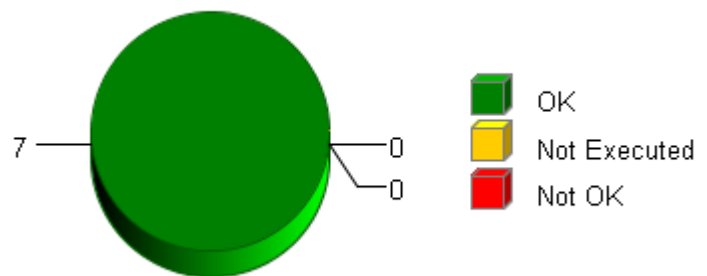


Summary

Total Test Objects: 7
Successful: 7
Failed: 0
Not Executed: 0
Date: 2016-09-15
Time: 18:45:13+0530

Overall Test Object Results (including Coverage)



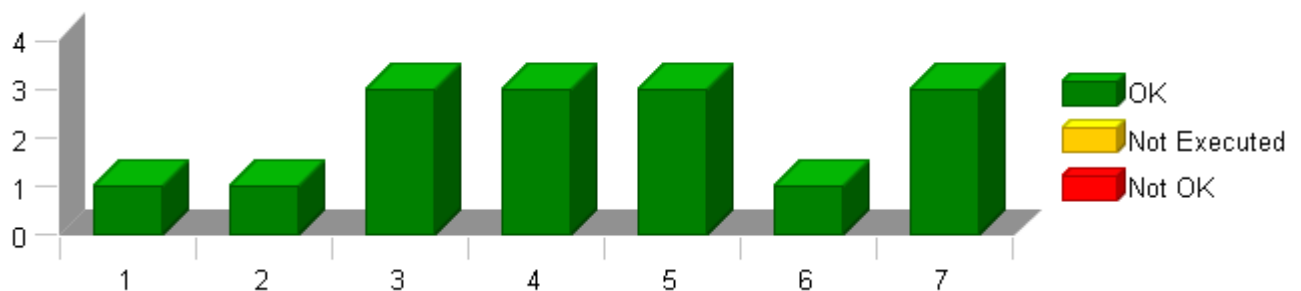
Selected Project Items

Test Object "CBD_UnitTest/PICurrCntrl/CalLowPassFiltBilinearOut"
Test Object "CBD_UnitTest/PICurrCntrl/CalLowPassFiltBilinearTerm"
Test Object "CBD_UnitTest/PICurrCntrl/CalLowPassFiltVecuOut"
Test Object "CBD_UnitTest/PICurrCntrl/IntegralStateVarNonOperState"
Test Object "CBD_UnitTest/PICurrCntrl/LoaMtgtnScfFac"
Test Object "CBD_UnitTest/PICurrCntrl/PICurrCntrl_Init"
Test Object "CBD_UnitTest/PICurrCntrl/PICurrCntrl_Per1"

Used Test Environments

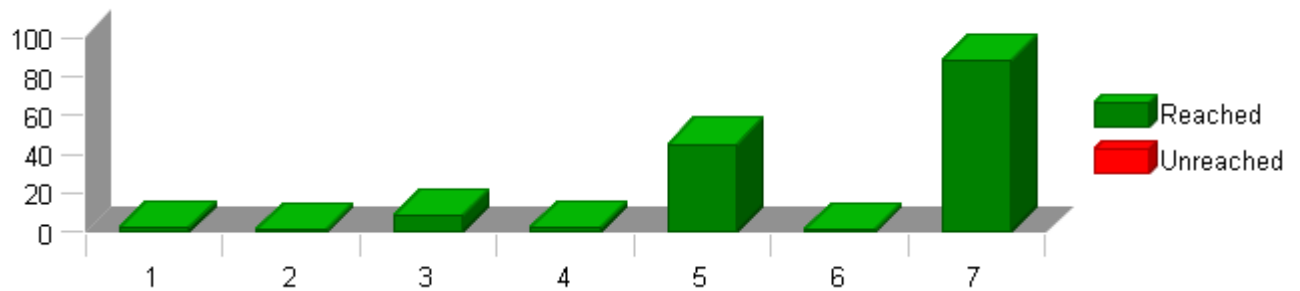
TI TMS 570 PLS UDE (Default)

Test Case Results for Each Test Object (without Coverage)



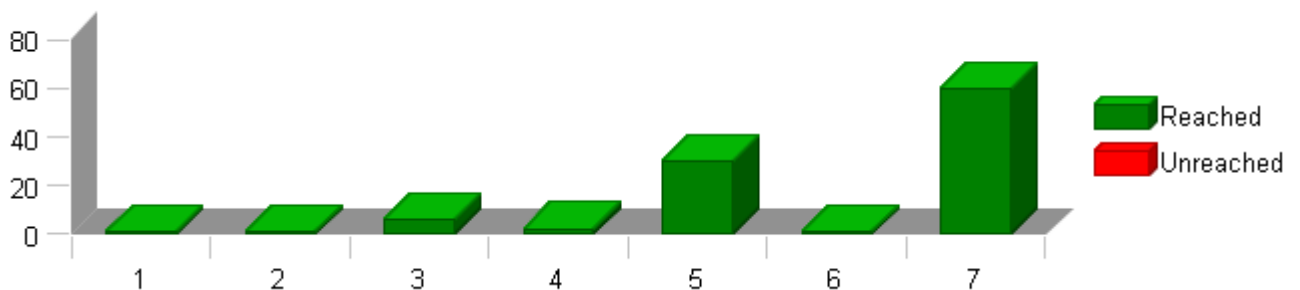
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object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



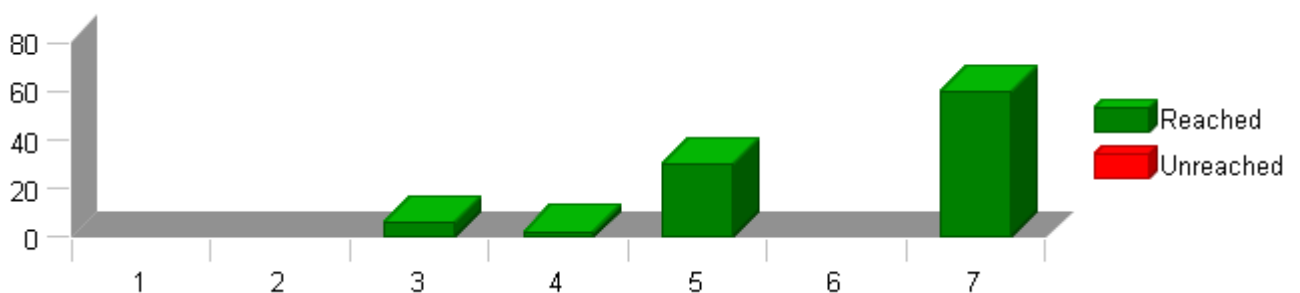
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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.

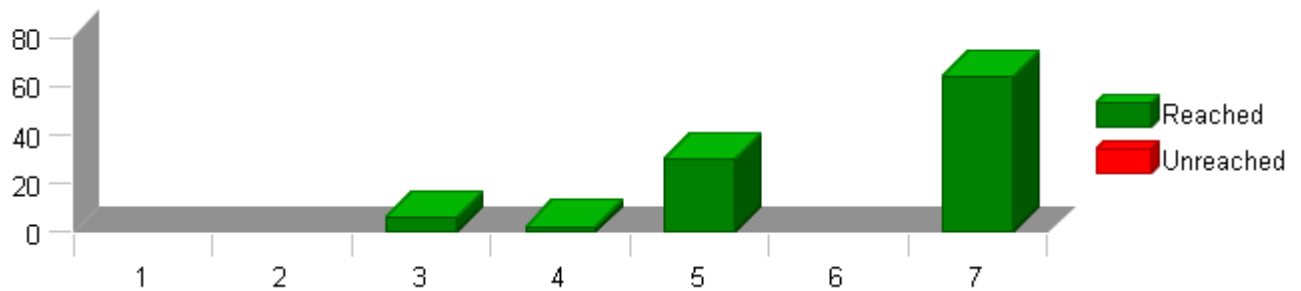
Decision Coverage: Total Decision Outcomes for Each Test Object



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.

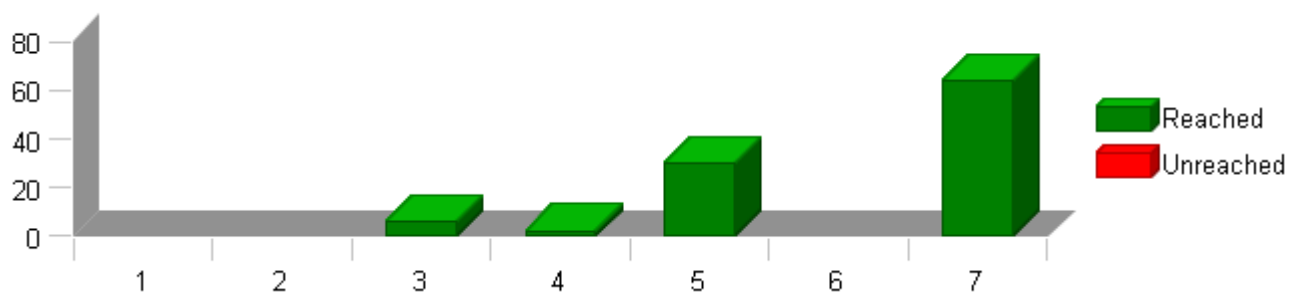
MC/DC Coverage: Total Condition Combinations for Each Test Object



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	MCC	Test Cases	Result
	MtrCtrl_CM_SF99B	100 %	100 %	100 %	100 %	100 %	15 of 15 passed	✓
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	15 of 15 passed	✓
	PICurrCntrl	100 %	100 %	100 %	100 %	100 %	15 of 15 passed	✓
1	CalLowPassFiltBilinearOut	100 %	100 %	-	-	-	1 of 1 passed	✓
2	CalLowPassFiltBilinearTerm	100 %	100 %	-	-	-	1 of 1 passed	✓
3	CalLowPassFiltVecuOut	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
4	IntegralStateVarNonOperState	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
5	LoaMtgnSciFac	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
6	PICurrCntrl_Init	100 %	100 %	-	-	-	1 of 1 passed	✓
7	PICurrCntrl_Per1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓

TEST DETAILS REPORT

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LoaMtgtnScfFac



Project	MtrCtrl_CM_SF99B
Module	PICurrCntrl
Test Object	LoaMtgtnScfFac

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\MtrCtrl_CM_SF99B
Configuration File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\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)\MtrCtrl_CM\src\Ap_PICurrCntrl.c
Compiler Options	-D_DATA_ACCESS= -D__sqrtf=sqrtf -Dconst= -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract\Ap_PICurrCntrl -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D__sqrtf=sqrtf -Dconst= -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract\Ap_PICurrCntrl -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
------	------

TEST DETAILS REPORT

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LoaMtgtnScfFac



Module 'PICurrCntrl'

*****Unit Test Information*****

Name of Tester:Komal Sharma
Code File(s) Under Test:Ap_PICurrCntrl.c
Code File(s) Version:16
Module Design Document:PICurrentCntrl.doc
Module Design Document Version:12
Data Dictionary Version:15
Unit Test Plan Version:4
Optimization Level:Level 2
Compiler (CodeGen) Version:TMS570_4.9.5
Model Type:Excel Macro
Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32
Total FLASH Used (Bytes):2834
Total RAM Used (Bytes):164
Total CALS Used (Bytes):2865
Special Test Requirements:NA
Test Date:9/15/2016
Comments:"Note 1: INLINE functions defined in globalmacro.h are not unit tested.

Note 2: ""CBD_Sandbox_dbg.map""map file is embedded for reference.

Note 3 : Out of range value is given in function ""LoaMtgtnScfFac"" for variables
""k_CLOAFdbckSignalScfFacSlew_UlspS_f32,k_ILOAFdbckSignalScfFacSlew_UlspS_f32,k_DualEcuSignalScfFacSlew_UlspS_f32,
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32, PICurrCntrl_CurrSensFailScfFac_Uls_M_f32 and PICurrCntrl_InverterFailScfFac_Uls_M_f32"" to
achieve 100% path coverage in Path sheet.

Note 4: In function PICurrCntrl_Per1 PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32 and PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32
variables are going out of range.

Note 5: In function PICurrCntrl_Per1, the range of MtrPosComputationDelay_Rad_M_f32[2] is considered as -3.14 to 3.14"

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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LoaMtgnScIFac



Test Case 1: Metric Test

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

TS 1.1 170.00 Cycles
TS 1.2 225.00 Cycles

Description Vector Description:

TS 1.1Shortest Path==>(MotCurrLoaMtgnEn_Cnt_T_lgc == TRUE)=False&&(1>=((D_MTRCTRLISRRATE_MS_F32 * -k_CLOAFdbackSignalScIFacSlew_UlspS_f32)+ PICurrCntrl_CurrSensFailScIFac_Uls_M_f32))=True&&(1>=((D_MTRCTRLISRRATE_MS_F32 * -k_ILOAFdbackSignalScIFacSlew_UlspS_f32)+PICurrCntrl_InverterFailScIFac_Uls_M_f32))=True
TS 1.2Longest Path==>(MotCurrLoaMtgnEn_Cnt_T_lgc == TRUE)=True&&(0>=((D_MTRCTRLISRRATE_MS_F32 * -k_CLOAFdbackSignalScIFacSlew_UlspS_f32)+ PICurrCntrl_CurrSensFailScIFac_Uls_M_f32))=False&&(0<=((D_MTRCTRLISRRATE_MS_F32 * -k_CLOAFdbackSignalScIFacSlew_UlspS_f32)+ PICurrCntrl_CurrSensFailScIFac_Uls_M_f32))=False&&(0>=((D_MTRCTRLISRRATE_MS_F32 * -k_ILOAFdbackSignalScIFacSlew_UlspS_f32)+PICurrCntrl_InverterFailScIFac_Uls_M_f32))=false&&(0<=((D_MTRCTRLISRRATE_MS_F32 * -k_ILOAFdbackSignalScIFacSlew_UlspS_f32)+PICurrCntrl_InverterFailScIFac_Uls_M_f32))=false

Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
DualEcuMotCtrlMtgnEna_Cnt_T_lgc	0		
IvtrLoaMtgnEn_Cnt_T_lgc	0		
MotCurrLoaMtgnEn_Cnt_T_lgc	0		
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0		
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0		
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0		
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	10		
k_DualEcuSignalSciFacSlew_UlspS_f32	10		
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	10		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.00125000009	0.00125000009	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.00125000009	0.00125000009	✔
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.00125000009	0.00125000009	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
DualEcuMotCtrlMtgnEna_Cnt_T_lgc	1		
IvtrLoaMtgnEn_Cnt_T_lgc	1		
MotCurrLoaMtgnEn_Cnt_T_lgc	1		
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	1		
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	1		
PICurrCntrl_InverterFailScIFac_Uls_M_f32	1		
k_CLOAFdbackSignalScIFacSlew_UlspS_f32	8000		
k_DualEcuSignalScIFacSlew_UlspS_f32	1000		
k_ILOAFdbackSignalScIFacSlew_UlspS_f32	8000		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.875	0.875	✔
PICurrCntrl_InverterFailScIFac_Uls_M_f32	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

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LoaMtgtnScIFac



Test Case 2: Boundary Test

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

TS 2.1 170.00 Cycles
TS 2.2 225.00 Cycles
TS 2.3 187.00 Cycles
TS 2.4 181.00 Cycles
TS 2.5 170.00 Cycles
TS 2.6 196.00 Cycles
TS 2.7 170.00 Cycles
TS 2.8 201.00 Cycles
TS 2.9 201.00 Cycles
TS 2.10 201.00 Cycles
TS 2.11 214.00 Cycles
TS 2.12 201.00 Cycles
TS 2.13 188.00 Cycles
TS 2.14 164.00 Cycles
TS 2.15 200.00 Cycles
TS 2.16 236.00 Cycles
TS 2.17 190.00 Cycles
TS 2.18 201.00 Cycles
TS 2.19 200.00 Cycles
TS 2.20 169.00 Cycles

Description Vector Description:

TS 2.1All_Min
TS 2.2All_Max
TS 2.3MotCurrLoaMtgtnEn_Cnt_T_lgc==>Min
TS 2.4MotCurrLoaMtgtnEn_Cnt_T_lgc==>Max
TS 2.5IvtrLoaMtgtnEn_Cnt_T_lgc==>Min
TS 2.6IvtrLoaMtgtnEn_Cnt_T_lgc==>Max
TS 2.7PICurrCntrl_CurrSensFailScIFac_Uls_M_f32==>Min
TS 2.8PICurrCntrl_CurrSensFailScIFac_Uls_M_f32==>Max
TS 2.9PICurrCntrl_CurrSensFailScIFac_Uls_M_f32==>Mid
TS 2.10k_CLOAFdbackSignalScIFacSlew_UlspS_f32==>Min
TS 2.11k_CLOAFdbackSignalScIFacSlew_UlspS_f32==>Max
TS 2.12k_CLOAFdbackSignalScIFacSlew_UlspS_f32==>default
TS 2.13k_CLOAFdbackSignalScIFacSlew_UlspS_f32==>Mid
TS 2.14k_ILOAFdbackSignalScIFacSlew_UlspS_f32==>Min
TS 2.15k_ILOAFdbackSignalScIFacSlew_UlspS_f32==>Max
TS 2.16k_ILOAFdbackSignalScIFacSlew_UlspS_f32 ==>default
TS 2.17k_ILOAFdbackSignalScIFacSlew_UlspS_f32==>Mid
TS 2.18PICurrCntrl_InverterFailScIFac_Uls_M_f32==>Min
TS 2.19PICurrCntrl_InverterFailScIFac_Uls_M_f32==>Max
TS 2.20PICurrCntrl_InverterFailScIFac_Uls_M_f32==>Mid

Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
DualEcuMotCtrlMtgEna_Cnt_T_lgc	0		
IvtrLoaMtgEn_Cnt_T_lgc	0		
MotCurrLoaMtgEn_Cnt_T_lgc	0		
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	0		
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0		
PICurrCntrl_InverterFailScIFac_Uls_M_f32	0		
k_CLOAFdbackSignalScIFacSlew_UlspS_f32	10		
k_DualEcuSignalScIFacSlew_UlspS_f32	10		
k_ILOAFdbackSignalScIFacSlew_UlspS_f32	10		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	0.00125000009	0.00125000009	✔
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.00125000009	0.00125000009	✔
PICurrCntrl_InverterFailScIFac_Uls_M_f32	0.00125000009	0.00125000009	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.2 (Repeat Count = 1)

Name	Input Value		
DualEcuMotCtrlMtgEna_Cnt_T_lgc	1		
IvtrLoaMtgEn_Cnt_T_lgc	1		
MotCurrLoaMtgEn_Cnt_T_lgc	1		
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	1		
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	1		
PICurrCntrl_InverterFailScIFac_Uls_M_f32	1		
k_CLOAFdbackSignalScIFacSlew_UlspS_f32	8000		
k_DualEcuSignalScIFacSlew_UlspS_f32	8000		
k_ILOAFdbackSignalScIFacSlew_UlspS_f32	8000		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	0	0	✔

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Name	Actual Value	Expected Value	Result
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0	0	✓
PICurrCntrl_InverterFailScIFac_Uls_M_f32	0	0	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.3 (Repeat Count = 1)

Name	Input Value		
DualEcuMotCtrlMtgtnEna_Cnt_T_lgc	0		
IvtrLoaMtgtnEn_Cnt_T_lgc	0		
MotCurrLoaMtgtnEn_Cnt_T_lgc	0		
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	0.235599995		
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.100000001		
PICurrCntrl_InverterFailScIFac_Uls_M_f32	0.235599995		
k_CLOAFdbackSignalScIFacSlew_UlspS_f32	7702.76172		
k_DualEcuSignalScIFacSlew_UlspS_f32	11		
k_ILOAFdbackSignalScIFacSlew_UlspS_f32	6599.25586		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	1	1	✔
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.101374999	0.101374999	✔
PICurrCntrl_InverterFailScIFac_Uls_M_f32	1	1	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.4 (Repeat Count = 1)

Name	Input Value		
DualEcuMotCtrlMtgEna_Cnt_T_Igc	1		
IvtrLoaMtgEn_Cnt_T_Igc	0		
MotCurrLoaMtgEn_Cnt_T_Igc	1		
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	0.325599998		
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.200000003		
PICurrCntrl_InverterFailScIFac_Uls_M_f32	0.324999988		
k_CLOAFdbackSignalScIFacSlew_UlspS_f32	7466.021		
k_DualEcuSignalScIFacSlew_UlspS_f32	21.2000008		
k_ILOAFdbackSignalScIFacSlew_UlspS_f32	5753.875		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.197349995	0.197349995	✔
PICurrCntrl_InverterFailScIFac_Uls_M_f32	1	1	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.5 (Repeat Count = 1)

Name	Input Value		
DualEcuMotCtrlMtgEna_Cnt_T_lgc	0		
IvtrLoaMtgtnEn_Cnt_T_lgc	0		
MotCurrLoaMtgtnEn_Cnt_T_lgc	0		
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	0.142499998		
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.300000012		
PICurrCntrl_InverterFailScIFac_Uls_M_f32	0.124499999		
k_CLOAFdbackSignalScIFacSlew_UlspS_f32	6719.13281		
k_DualEcuSignalScIFacSlew_UlspS_f32	310		
k_ILOAFdbackSignalScIFacSlew_UlspS_f32	1788.25342		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	0.982391596	0.982391596	✔
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.338750005	0.338750005	✔
PICurrCntrl_InverterFailScIFac_Uls_M_f32	0.3480317	0.3480317	✔

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LoaMtgtnScfFac



T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.6 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	0			
IvtrLoaMtgtnEn_Cnt_T_Igc	1			
MotCurrLoaMtgtnEn_Cnt_T_Igc	0			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.325599998			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.400000006			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.325599998			
k_CLOAFdbckSignalScfFacSlew_ULspS_f32	3280.9021			
k_DualEcuSignalScfFacSlew_ULspS_f32	41			
k_ILOAFdbckSignalScfFacSlew_ULspS_f32	2855.32861			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.735712767	0.735712767	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.405124992	0.405124992	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0	0	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.7 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	0			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	0			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.5			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.225600004			
k_CLOAFdbckSignalScfFacSlew_ULspS_f32	7916.521			
k_DualEcuSignalScfFacSlew_ULspS_f32	15.5			
k_ILOAFdbckSignalScfFacSlew_ULspS_f32	2851.41992			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.989565194	0.989565194	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.501937509	0.501937509	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.582027555	0.582027555	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.8 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	1			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	1			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	1			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.600000024			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.325599998			
k_CLOAFdbckSignalScfFacSlew_ULspS_f32	2075.21021			
k_DualEcuSignalScfFacSlew_ULspS_f32	61			
k_ILOAFdbckSignalScfFacSlew_ULspS_f32	1642.60645			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.740598679	0.740598679	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.59237504	0.59237504	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.53092581	0.53092581	✓	

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T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.9 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	1			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	1			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.5			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.699999988			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.324400008			
k_CLOAFdbckSignalScfFacSlew_ULspS_f32	1404.30225			
k_DualEcuSignalScfFacSlew_ULspS_f32	71			
k_ILOAFdbckSignalScfFacSlew_ULspS_f32	4636.45898			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.324462205	0.324462205	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.691124976	0.691124976	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.903957427	0.903957427	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.10 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	0			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	1			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.532599986			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.800000012			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.125599995			
k_CLOAFdbckSignalScfFacSlew_ULspS_f32	10			
k_DualEcuSignalScfFacSlew_ULspS_f32	810			
k_ILOAFdbckSignalScfFacSlew_ULspS_f32	5044.229			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.531349957	0.531349957	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.901250005	0.901250005	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.756128609	0.756128609	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.11 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	1			
IvtrLoaMtgtnEn_Cnt_T_Igc	1			
MotCurrLoaMtgtnEn_Cnt_T_Igc	0			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.321399987			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.899999976			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.123559996			
k_CLOAFdbckSignalScfFacSlew_ULspS_f32	8000			
k_DualEcuSignalScfFacSlew_ULspS_f32	91.1999969			
k_ILOAFdbckSignalScfFacSlew_ULspS_f32	1124.24878			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	1	1	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.888599992	0.888599992	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0	0	✓	

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T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.12 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	1			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	1			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.235599995			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00999999978			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.325599998			
k_CLOAFdbckSignalScfFacSlew_ULspS_f32	100			
k_DualEcuSignalScfFacSlew_ULspS_f32	101			
k_ILOAFdbckSignalScfFacSlew_ULspS_f32	4636.45898			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.223099992	0.223099992	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0	0	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.905157447	0.905157447	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.13 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	1			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	0			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.833199978			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0199999996			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.142499998			
k_CLOAFdbckSignalScfFacSlew_ULspS_f32	4217.00098			
k_DualEcuSignalScfFacSlew_ULspS_f32	111.300003			
k_ILOAFdbckSignalScfFacSlew_ULspS_f32	497.261292			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	1	1	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00608749874	0.00608749874	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.204657659	0.204657659	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.14 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	0			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	1			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.246099994			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0299999993			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.788800001			
k_CLOAFdbckSignalScfFacSlew_ULspS_f32	5544.1499			
k_DualEcuSignalScfFacSlew_ULspS_f32	121			
k_ILOAFdbckSignalScfFacSlew_ULspS_f32	10			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0	0	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0451250002	0.0451250002	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.79005003	0.79005003	✓	

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T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.15 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	1			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	1			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	1			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0399999991			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.874260008			
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	892.101318			
k_DualEcuSignalScfFacSlew_UlspS_f32	133			
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	8000			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.888487339	0.888487339	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0233749989	0.0233749989	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	1	1	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.16 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	0			
IvtrLoaMtgtnEn_Cnt_T_Igc	1			
MotCurrLoaMtgtnEn_Cnt_T_Igc	0			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.214499995			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0500000007			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.612500012			
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	892.101318			
k_DualEcuSignalScfFacSlew_UlspS_f32	141			
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	100			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.326012671	0.326012671	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0676250011	0.0676250011	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.600000024	0.600000024	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.17 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	1			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	0			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.321399987			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.05999999987			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.536199987			
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	886.920471			
k_DualEcuSignalScfFacSlew_UlspS_f32	151			
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	1071.5			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.432265043	0.432265043	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0411249995	0.0411249995	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.670137525	0.670137525	✓	

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T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.18 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	0			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	1			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.369800001			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0700000003			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0			
k_CLOAFdbckSignalScfFacSlew_ULspS_f32	2332.00488			
k_DualEcuSignalScfFacSlew_ULspS_f32	464			
k_ILOAFdbckSignalScfFacSlew_ULspS_f32	3405.60864			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.0782993734	0.0782993734	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.128000006	0.128000006	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.425701112	0.425701112	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.19 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	1			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	1			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.803200006			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0799999982			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	1			
k_CLOAFdbckSignalScfFacSlew_ULspS_f32	3197.43726			
k_DualEcuSignalScfFacSlew_ULspS_f32	571.22998			
k_ILOAFdbckSignalScfFacSlew_ULspS_f32	1505.17786			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.403520316	0.403520316	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00859624892	0.00859624892	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	1	1	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.20 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	0			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	0			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.0324999988			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0900000036			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.653999984			
k_CLOAFdbckSignalScfFacSlew_ULspS_f32	4477.14648			
k_DualEcuSignalScfFacSlew_ULspS_f32	678			
k_ILOAFdbckSignalScfFacSlew_ULspS_f32	3969.39355			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.592143297	0.592143297	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.17475	0.17475	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	1	1	✓	

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T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.21 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	0			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	1			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.803200006			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.100000001			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	1			
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	3197.43726			
k_DualEcuSignalScfFacSlew_UlspS_f32	785.200012			
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	1505.17786			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.403520316	0.403520316	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.198150009	0.198150009	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	1	1	✓	

Test Step 2.22 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	1			
IvtrLoaMtgtnEn_Cnt_T_Igc	1			
MotCurrLoaMtgtnEn_Cnt_T_Igc	0			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.0324999988			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.109999999			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.653999984			
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	4477.14648			
k_DualEcuSignalScfFacSlew_UlspS_f32	892			
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	3969.39355			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.592143297	0.592143297	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0	0	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.157825768	0.157825768	✓	

Test Step 2.23 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	0			
IvtrLoaMtgtnEn_Cnt_T_Igc	1			
MotCurrLoaMtgtnEn_Cnt_T_Igc	0			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.214499995			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.119999997			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.612500012			
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	892.101318			
k_DualEcuSignalScfFacSlew_UlspS_f32	10			
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	100			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.326012671	0.326012671	✓	
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.121249996	0.121249996	✓	
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.600000024	0.600000024	✓	

Test Step 2.24 (Repeat Count = 1)

Name	Input Value			
DualEcuMotCtrlMtgEna_Cnt_T_Igc	1			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	0			
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.321399987			
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.129999995			
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.536199987			
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	886.920471			
k_DualEcuSignalScfFacSlew_UlspS_f32	8000			

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Name	Input Value	Actual Value	Expected Value	Result
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	1071.5			
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.432265043	0.432265043	0.432265043	✓
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0	0	0	✓
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.670137525	0.670137525	0.670137525	✓

Test Step 2.25 (Repeat Count = 1) ✓

Name	Input Value	Actual Value	Expected Value	Result
DualEcuMotCtrlMtgtnEna_Cnt_T_Igc	0			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	1			
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.369800001	0.369800001	0.369800001	✓
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.140000001	0.140000001	0.140000001	✓
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0			
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	2332.00488			
k_DualEcuSignalSciFacSlew_UlspS_f32	100			
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	3405.60864			
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.0782993734	0.0782993734	0.0782993734	✓
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.152500004	0.152500004	0.152500004	✓
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.425701112	0.425701112	0.425701112	✓

Test Step 2.26 (Repeat Count = 1) ✓

Name	Input Value	Actual Value	Expected Value	Result
DualEcuMotCtrlMtgtnEna_Cnt_T_Igc	1			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	1			
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.5			
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0			
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.324400008			
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	1404.30225			
k_DualEcuSignalSciFacSlew_UlspS_f32	1320			
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	4636.45898			
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.324462205	0.324462205	0.324462205	✓
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0	0	0	✓
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.903957427	0.903957427	0.903957427	✓

Test Step 2.27 (Repeat Count = 1) ✓

Name	Input Value	Actual Value	Expected Value	Result
DualEcuMotCtrlMtgtnEna_Cnt_T_Igc	0			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	1			
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.532599986	0.532599986	0.532599986	✓
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	1	1	1	✓
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.125599995	0.125599995	0.125599995	✓
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	10			
k_DualEcuSignalSciFacSlew_UlspS_f32	251.100006			
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	5044.229			
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.531349957	0.531349957	0.531349957	✓
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	1	1	1	✓
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.756128609	0.756128609	0.756128609	✓

Test Step 2.28 (Repeat Count = 1) ✓

Name	Input Value	Actual Value	Expected Value	Result
DualEcuMotCtrlMtgtnEna_Cnt_T_Igc	1			
IvtrLoaMtgtnEn_Cnt_T_Igc	0			
MotCurrLoaMtgtnEn_Cnt_T_Igc	1			
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.325599998	0.325599998	0.325599998	✓
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.170000002	0.170000002	0.170000002	✓
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.324999988	0.324999988	0.324999988	✓
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	7466.021			

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LoaMtgtnScfFac

Name	Input Value		
k_DualEcuSignalScfFacSlew_UlspS_f32	261		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5753.875		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0	0	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.137374997	0.137374997	✓
PICurrCntrl_InverterFailScfFac_Uls_M_f32	1	1	✓

Test Case 3: Path test

Specification

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

TS 3.1 170.00 Cycles
TS 3.2 225.00 Cycles
TS 3.3 187.00 Cycles
TS 3.4 223.00 Cycles
TS 3.5 190.00 Cycles
TS 3.6 243.00 Cycles
TS 3.7 206.00 Cycles
TS 3.8 206.00 Cycles
TS 3.9 208.00 Cycles
TS 3.10 206.00 Cycles
TS 3.11 206.00 Cycles

Description

Vector Description:

TS 3.1(MotCurrLoaMtgtnEn_Cnt_T_Igc == TRUE)=False&&(1>=((D_MTRCTRLISRRATE_MS_F32 * -k_CLOAFdbackSignalScfFacSlew_UlspS_f32)+ PII CurrCntrl_CurrSensFailScfFac_Uls_M_f32))=True&&(1>=((D_MTRCTRLISRRATE_MS_F32 * k_ILOAFdbackSignalScfFacSlew_UlspS_f32)+PI CurrCntrl_InverterFailScfFac_Uls_M_f32))=True
TS 3.2(MotCurrLoaMtgtnEn_Cnt_T_Igc == TRUE)=True&&(0>=((D_MTRCTRLISRRATE_MS_F32 * -k_CLOAFdbackSignalScfFacSlew_UlspS_f32)+ PII CurrCntrl_CurrSensFailScfFac_Uls_M_f32))=False&&(0<=((D_MTRCTRLISRRATE_MS_F32 * -k_CLOAFdbackSignalScfFacSlew_UlspS_f32)+ PII CurrCntrl_CurrSensFailScfFac_Uls_M_f32))=False&&(0>=((D_MTRCTRLISRRATE_MS_F32 * k_ILOAFdbackSignalScfFacSlew_UlspS_f32)+PI CurrCntrl_InverterFailScfFac_Uls_M_f32))=false
TS 3.3(1>=((D_MTRCTRLISRRATE_MS_F32 * -k_CLOAFdbackSignalScfFacSlew_UlspS_f32)+ PII CurrCntrl_CurrSensFailScfFac_Uls_M_f32))=False&&(1<=((D_MTRCTRLISRRATE_MS_F32 * -k_CLOAFdbackSignalScfFacSlew_UlspS_f32)+ PII CurrCntrl_CurrSensFailScfFac_Uls_M_f32))=False&&(1>=((D_MTRCTRLISRRATE_MS_F32 * k_ILOAFdbackSignalScfFacSlew_UlspS_f32)+PI CurrCntrl_InverterFailScfFac_Uls_M_f32))=False
TS 3.4(1<=((D_MTRCTRLISRRATE_MS_F32 * -k_CLOAFdbackSignalScfFacSlew_UlspS_f32)+ PII CurrCntrl_CurrSensFailScfFac_Uls_M_f32))=true
TS 3.5(0>=((D_MTRCTRLISRRATE_MS_F32 * -k_CLOAFdbackSignalScfFacSlew_UlspS_f32)+ PII CurrCntrl_CurrSensFailScfFac_Uls_M_f32))=False
TS 3.6&&(0<=((D_MTRCTRLISRRATE_MS_F32 * -k_CLOAFdbackSignalScfFacSlew_UlspS_f32)+ PII CurrCntrl_CurrSensFailScfFac_Uls_M_f32))=True
TS 3.7(1<=((D_MTRCTRLISRRATE_MS_F32 * k_ILOAFdbackSignalScfFacSlew_UlspS_f32)+PI CurrCntrl_InverterFailScfFac_Uls_M_f32))=True
TS 3.8(0>=((D_MTRCTRLISRRATE_MS_F32 * k_ILOAFdbackSignalScfFacSlew_UlspS_f32)+PI CurrCntrl_InverterFailScfFac_Uls_M_f32))=True
TS 3.9(0<=((D_MTRCTRLISRRATE_MS_F32 * k_ILOAFdbackSignalScfFacSlew_UlspS_f32)+PI CurrCntrl_InverterFailScfFac_Uls_M_f32))=True
TS 3.10(1<=((D_MTRCTRLISRRATE_MS_F32 * -k_DualEcuSignalScfFacSlew_UlspS_f32)+ PII CurrCntrl_DualEcuFailScfFac_Uls_M_f32))=True
TS 3.11(0>=((D_MTRCTRLISRRATE_MS_F32 * -k_DualEcuSignalScfFacSlew_UlspS_f32)+ PII CurrCntrl_DualEcuFailScfFac_Uls_M_f32))=True

Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
DualEcuMotCtrlMtgtnEna_Cnt_T_Igc	0		
IvtrLoaMtgtnEn_Cnt_T_Igc	0		
MotCurrLoaMtgtnEn_Cnt_T_Igc	0		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	10		
k_DualEcuSignalScfFacSlew_UlspS_f32	10		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	10		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.00125000009	0.00125000009	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00125000009	0.00125000009	✔
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.00125000009	0.00125000009	✔

T

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

Test Step 3.2 (Repeat Count = 1)

Name	Input Value
DualEcuMotCtrlMtgtnEna_Cnt_T_Igc	1
IvtrLoaMtgtnEn_Cnt_T_Igc	1
MotCurrLoaMtgtnEn_Cnt_T_Igc	1

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LoaMtgtnScIFac

Name	Input Value	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	1	0	0	✓
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.100000001	0.0975000039	0.0975000039	✓
PICurrCntrl_InverterFailScIFac_Uls_M_f32	1	0	0	✓
k_CLOAFdbckSignalScIFacSlew_UlspS_f32	8000			
k_DualEcuSignalScIFacSlew_UlspS_f32	20			
k_ILOAFdbckSignalScIFacSlew_UlspS_f32	8000			

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 3.3 (Repeat Count = 1)

Name	Input Value	Actual Value	Expected Value	Result
DualEcuMotCtrlMtgEna_Cnt_T_Igc	0	1	1	✓
IvtrLoaMtgEn_Cnt_T_Igc	0	0.203749999	0.203749999	✓
MotCurrLoaMtgEn_Cnt_T_Igc	0	1	1	✓
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	0.235599995			
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.200000003			
PICurrCntrl_InverterFailScIFac_Uls_M_f32	0.235599995			
k_CLOAFdbckSignalScIFacSlew_UlspS_f32	7702.75977			
k_DualEcuSignalScIFacSlew_UlspS_f32	30			
k_ILOAFdbckSignalScIFacSlew_UlspS_f32	6599.25977			

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 3.4 (Repeat Count = 1)

Name	Input Value	Actual Value	Expected Value	Result
DualEcuMotCtrlMtgEna_Cnt_T_Igc	1	2	2	✓
IvtrLoaMtgEn_Cnt_T_Igc	0	0.295000017	0.295000017	✓
MotCurrLoaMtgEn_Cnt_T_Igc	0	1	1	✓
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	2			
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.300000012			
PICurrCntrl_InverterFailScIFac_Uls_M_f32	1			
k_CLOAFdbckSignalScIFacSlew_UlspS_f32	0			
k_DualEcuSignalScIFacSlew_UlspS_f32	40			
k_ILOAFdbckSignalScIFacSlew_UlspS_f32	6599.25977			

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 3.5 (Repeat Count = 1)

Name	Input Value	Actual Value	Expected Value	Result
DualEcuMotCtrlMtgEna_Cnt_T_Igc	0	1	1	✓
IvtrLoaMtgEn_Cnt_T_Igc	1	0.400000006	0.400000006	✓
MotCurrLoaMtgEn_Cnt_T_Igc	1	1	1	✓
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	-1			
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.400000006			
PICurrCntrl_InverterFailScIFac_Uls_M_f32	1			

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LoaMtgtnScfFac



Name	Input Value		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	0		
k_DualEcuSignalScfFacSlew_UlspS_f32	50		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	8000		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	-1	-1	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.40625	0.40625	✓
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0	0	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 3.6 (Repeat Count = 1) ✓

Name	Input Value		
DualEcuMotCtrlMtgtnEna_Cnt_T_lgc	1		
IvtrLoaMtgtnEn_Cnt_T_lgc	1		
MotCurrLoaMtgtnEn_Cnt_T_lgc	1		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	1		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.5		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	1		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	0		
k_DualEcuSignalScfFacSlew_UlspS_f32	60		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	8000		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	1	1	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.492500007	0.492500007	✓
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0	0	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 3.7 (Repeat Count = 1) ✓

Name	Input Value		
DualEcuMotCtrlMtgtnEna_Cnt_T_lgc	0		
IvtrLoaMtgtnEn_Cnt_T_lgc	0		
MotCurrLoaMtgtnEn_Cnt_T_lgc	0		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.235599995		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.600000024		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	2		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	7702.75977		
k_DualEcuSignalScfFacSlew_UlspS_f32	70		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	0		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	1	1	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.608750045	0.608750045	✓
PICurrCntrl_InverterFailScfFac_Uls_M_f32	2	2	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

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LoaMtgtnScIFac



Test Step 3.8 (Repeat Count = 1)

Name	Input Value		
DualEcuMotCtrlMtgtnEna_Cnt_T_Igc	1		
IvtrlLoaMtgtnEn_Cnt_T_Igc	1		
MotCurrLoaMtgtnEn_Cnt_T_Igc	1		
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	1		
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.699999998		
PICurrCntrl_InverterFailScIFac_Uls_M_f32	-1		
k_CLOAFdbckSignalScIFacSlew_UlspS_f32	8000		
k_DualEcuSignalScIFacSlew_UlspS_f32	80		
k_ILOAFdbckSignalScIFacSlew_UlspS_f32	0		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	0	0	✓
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.689999998	0.689999998	✓
PICurrCntrl_InverterFailScIFac_Uls_M_f32	-1	-1	✓

T	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 3.9 (Repeat Count = 1)

Name	Input Value		
DualEcuMotCtrlMtgtnEna_Cnt_T_Igc	1		
IvtrlLoaMtgtnEn_Cnt_T_Igc	1		
MotCurrLoaMtgtnEn_Cnt_T_Igc	1		
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	1		
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.0199999996		
PICurrCntrl_InverterFailScIFac_Uls_M_f32	2		
k_CLOAFdbckSignalScIFacSlew_UlspS_f32	8000		
k_DualEcuSignalScIFacSlew_UlspS_f32	100		
k_ILOAFdbckSignalScIFacSlew_UlspS_f32	8000		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	0	0	✓
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.00749999937	0.00749999937	✓
PICurrCntrl_InverterFailScIFac_Uls_M_f32	1	1	✓

T	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 3.10 (Repeat Count = 1)

Name	Input Value		
DualEcuMotCtrlMtgtnEna_Cnt_T_Igc	0		
IvtrlLoaMtgtnEn_Cnt_T_Igc	0		
MotCurrLoaMtgtnEn_Cnt_T_Igc	0		
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	0.235599995		
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	2		
PICurrCntrl_InverterFailScIFac_Uls_M_f32	-1		
k_CLOAFdbckSignalScIFacSlew_UlspS_f32	7702.75977		
k_DualEcuSignalScIFacSlew_UlspS_f32	0		
k_ILOAFdbckSignalScIFacSlew_UlspS_f32	0		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScIFac_Uls_M_f32	1	1	✓
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	2	2	✓
PICurrCntrl_InverterFailScIFac_Uls_M_f32	-1	-1	✓

T	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 3.11 (Repeat Count = 1)

Name	Input Value		
DualEcuMotCtrlMtgtnEna_Cnt_T_Igc	1		

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LoaMtgtnScfFac

Name	Input Value		
IvtrLoaMtgtnEn_Cnt_T_lgc	1		
MotCurrLoaMtgtnEn_Cnt_T_lgc	1		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	1		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	-1		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	2		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	8000		
k_DualEcuSignalScfFacSlew_UlspS_f32	0		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	0		
Name	Actual Value	Expected Value	Result
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0	0	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	-1	-1	✓
PICurrCntrl_InverterFailScfFac_Uls_M_f32	2	2	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0		✓

TEST DETAILS REPORT



Project	MtrCtrl_CM_SF99B
Module	PICurrCntrl
Test Object	IntegralStateVarNonOperState

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\MtrCtrl_CM_SF99B
Configuration File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\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)\MtrCtrl_CM\src\Ap_PICurrCntrl.c
Compiler Options	-D_DATA_ACCESS= -D__sqrtf=sqrtf -Dconst= -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract\Ap_PICurrCntrl -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D__sqrtf=sqrtf -Dconst= -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract\Ap_PICurrCntrl -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
------	------

TEST DETAILS REPORT



Module 'PICurrCntrl'

*****Unit Test Information*****

Name of Tester:Komal Sharma
Code File(s) Under Test:Ap_PICurrCntrl.c
Code File(s) Version:16
Module Design Document:PICurrentCntrl.doc
Module Design Document Version:12
Data Dictionary Version:15
Unit Test Plan Version:4
Optimization Level:Level 2
Compiler (CodeGen) Version:TMS570_4.9.5
Model Type:Excel Macro
Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32
Total FLASH Used (Bytes):2834
Total RAM Used (Bytes):164
Total CALS Used (Bytes):2865
Special Test Requirements:NA
Test Date:9/15/2016
Comments:"Note 1: INLINE functions defined in globalmacro.h are not unit tested.

Note 2: ""CBD_Sandbox_dbg.map""map file is embedded for reference.

Note 3 : Out of range value is given in function ""LoaMtgtnScfFac"" for variables
""k_CLOAFdbackSignalScfFacSlew_UlspS_f32,k_ILOAFdbackSignalScfFacSlew_UlspS_f32,k_DualEcuSignalScfFacSlew_UlspS_f32,
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32, PICurrCntrl_CurrSensFailScfFac_Uls_M_f32 and PICurrCntrl_InverterFailScfFac_Uls_M_f32"" to
achieve 100% path coverage in Path sheet.

Note 4: In function PICurrCntrl_Per1 PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32 and PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32
variables are going out of range.

Note 5: In function PICurrCntrl_Per1, the range of MtrPosComputationDelay_Rad_M_f32[2] is considered as -3.14 to 3.14"

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

TEST DETAILS REPORT



Test Case 1: Metric Test

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:
	TS 1.1 46.00 Cycles TS 1.2 63.00 Cycles
Description	Vector Description:
	TS 1.1Longest Path==>(SysState_Cnt_T_Enum != RTE_MODE_StaMd_Mode_OPERATE)=True TS 1.2Shortest Path==>(SysState_Cnt_T_Enum != RTE_MODE_StaMd_Mode_OPERATE)=False

Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
MtrCurrDaxPrevIntg_Volt_M_f32	-31		
MtrCurrQaxPrevIntg_Volt_M_f32	-31		
SysState_Cnt_T_Enum	0		
Name	Actual Value	Expected Value	Result
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
MtrCurrQaxPrevIntg_Volt_M_f32	0	0	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
MtrCurrDaxPrevIntg_Volt_M_f32	24.8391		
MtrCurrQaxPrevIntg_Volt_M_f32	-6.723		
SysState_Cnt_T_Enum	2		
Name	Actual Value	Expected Value	Result
MtrCurrDaxPrevIntg_Volt_M_f32	24.8390999	24.8390999	✓
MtrCurrQaxPrevIntg_Volt_M_f32	-6.72300005	-6.72300005	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Case 2: Boundary test

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:
	TS 2.1 46.00 Cycles TS 2.2 46.00 Cycles TS 2.3 46.00 Cycles TS 2.4 46.00 Cycles TS 2.5 63.00 Cycles TS 2.6 46.00 Cycles TS 2.7 46.00 Cycles
Description	Vector Description:
	TS 2.1All Min TS 2.2All Max TS 2.3SysState_Cnt_T_Enum =>RTE_MODE_StaMd_Mode_DISABLE TS 2.4SysState_Cnt_T_Enum =>RTE_MODE_StaMd_Mode_OFF TS 2.5SysState_Cnt_T_Enum =>RTE_MODE_StaMd_Mode_OPERATE TS 2.6SysState_Cnt_T_Enum=>RTE_MODE_StaMd_Mode_WARMINIT TS 2.7SysState_Cnt_T_Enum=>RTE_TRANSITION_StaMd_Mode

Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
MtrCurrDaxPrevIntg_Volt_M_f32	-31		
MtrCurrQaxPrevIntg_Volt_M_f32	-31		
SysState_Cnt_T_Enum	0		
Name	Actual Value	Expected Value	Result
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
MtrCurrQaxPrevIntg_Volt_M_f32	0	0	✓

TEST DETAILS REPORT



T					✓
Actual Function	Count	Expected Function	Count	Result	
None	0	No Call Expected	0	✓	

Test Step 2.2 (Repeat Count = 1)		✓
Name	Input Value	

TEST DETAILS REPORT



Test Step 2.6 (Repeat Count = 1) ✓

Name	Input Value		
MtrCurrDaxPrevIntg_Volt_M_f32	22.3449993		
MtrCurrQaxPrevIntg_Volt_M_f32	25.7600002		
SysState_Cnt_T_Enum	3		
Name	Actual Value	Expected Value	Result
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
MtrCurrQaxPrevIntg_Volt_M_f32	0	0	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 2.7 (Repeat Count = 1) ✓

Name	Input Value		
MtrCurrDaxPrevIntg_Volt_M_f32	12.4499998		
MtrCurrQaxPrevIntg_Volt_M_f32	11.3400002		
SysState_Cnt_T_Enum	4		
Name	Actual Value	Expected Value	Result
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
MtrCurrQaxPrevIntg_Volt_M_f32	0	0	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Case 3: Path Test ✓

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS 3.1 46.00 Cycles TS 3.2 63.00 Cycles
Description	Vector Description: TS 3.1(SysState_Cnt_T_Enum != RTE_MODE_StaMd_Mode_OPERATE)=True TS 3.2(SysState_Cnt_T_Enum != RTE_MODE_StaMd_Mode_OPERATE)=False

Test Step 3.1 (Repeat Count = 1) ✓

Name	Input Value		
MtrCurrDaxPrevIntg_Volt_M_f32	-31		
MtrCurrQaxPrevIntg_Volt_M_f32	-31		
SysState_Cnt_T_Enum	0		
Name	Actual Value	Expected Value	Result
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
MtrCurrQaxPrevIntg_Volt_M_f32	0	0	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 3.2 (Repeat Count = 1) ✓

Name	Input Value
MtrCurrDaxPrevIntg_Volt_M_f32	24.8391
MtrCurrQaxPrevIntg_Volt_M_f32	-6.723
SysState_Cnt_T_Enum	2

Name	Actual Value	Expected Value	Result
MtrCurrDaxPrevIntg_Volt_M_f32	24.8390999	24.8390999	✓
MtrCurrQaxPrevIntg_Volt_M_f32	-6.72300005	-6.72300005	✓



T					✓
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0		✓

TEST DETAILS REPORT

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PICurrCntrl_Per1



Project	MtrCtrl_CM_SF99B
Module	PICurrCntrl
Test Object	PICurrCntrl_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\MtrCtrl_CM_SF99B
Configuration File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\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)\MtrCtrl_CM\src\Ap_PICurrCntrl.c
Compiler Options	-D_DATA_ACCESS= -D__sqrtf=sqrtf -Dconst= -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract\Ap_PICurrCntrl -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -D__sqrtf=sqrtf -Dconst= -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract\Ap_PICurrCntrl -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
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TEST DETAILS REPORT

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PICurrCntrl_Per1

Module 'PICurrCntrl'

*****Unit Test Information*****

Name of Tester:Komal Sharma
Code File(s) Under Test:Ap_PICurrCntrl.c
Code File(s) Version:16
Module Design Document:PICurrentCntrl.doc
Module Design Document Version:12
Data Dictionary Version:15
Unit Test Plan Version:4
Optimization Level:Level 2
Compiler (CodeGen) Version:TMS570_4.9.5
Model Type:Excel Macro
Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32
Total FLASH Used (Bytes):2834
Total RAM Used (Bytes):164
Total CALS Used (Bytes):2865
Special Test Requirements:NA
Test Date:9/15/2016
Comments:"Note 1: INLINE functions defined in globalmacro.h are not unit tested.

Note 2: ""CBD_Sandbox_dbg.map""map file is embedded for reference.

Note 3 : Out of range value is given in function ""LoaMtgtnScfFac"" for variables
""k_CLOAFdbckSignalScfFacSlew_UlspS_f32,k_ILOAFdbckSignalScfFacSlew_UlspS_f32,k_DualEcuSignalScfFacSlew_UlspS_f32,
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32, PICurrCntrl_CurrSensFailScfFac_Uls_M_f32 and PICurrCntrl_InverterFailScfFac_Uls_M_f32"" to
achieve 100% path coverage in Path sheet.

Note 4: In function PICurrCntrl_Per1 PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32 and PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32
variables are going out of range.

Note 5: In function PICurrCntrl_Per1, the range of MtrPosComputationDelay_Rad_M_f32[2] is considered as -3.14 to 3.14"

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

TEST DETAILS REPORT

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PICurrCntrl_Per1

Test Case 1: Metric Test

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles: TS 1.1 7295 Cycles TS 1.2 7094 Cycles
Description	Vector Description: TS 1.1Longest Path==>(k_MtrCurrQaxRefModifRplEn_Cnt_Igc == TRUE)=False&&(MtrCurrQaxRefModif_Amp_T_f32>220)=False&&(MtrCurrQaxRefModif_Amp_T_f32<-220)=False&&(MtrCurrQaxFinalRef_Amp_== TRUE)=False&&(k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc == FALSE)=False&&(k_MtrVoltQaxFiltFFEnable_Cnt_Igc==TRUE)=True&&(lvtrLoaMtgnEn_Cnt_T_Igc==FALSE)=True&&(MotCurrLoaMtgnEn_Cnt_T_Igc==FALSE)=True&&(k_MtrCtrlFeedbackControlDisable_Cnt_Igc == FALSE)=True&&(VoltSatnRatio_Uls_T_f32 > D_ONE_Uls_F32)=True&&(PhaseAdvanceFinal_Rad_T_f32 < D_ZERO_Uls_F32)=True&&(ModIdxSrlComSvcDft_Cnt_T_Igc==TRUE)=True&&(k_MtrCurrQaxRefModifDsb_Cnt_Igc == FALSE)=False TS 1.2Shortest Path==>(MtrCurrQaxRefModif_Amp_T_f32>=220)=True&&(MtrCurrQaxFinalRef_Amp_T_f32>=220)=True&&(MtrCurrQaxIntg_Volt_T_f32>=k_Mtr== TRUE)=True&&(k_MtrVoltQaxFiltFFEnable_Cnt_Igc==TRUE)=False&&(ModIdxSrlComSvcDft_Cnt_T_Igc==TRUE)=False&&(k_MtrCurrQaxRefMc== FALSE)=True

Test Step 1.1 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	171.485992
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	163.787003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0370000005
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0379999988
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.80200005
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.740999997
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-489.436005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	938.341003
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0199999996
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0879999995
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0120000001
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0560000017
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.10899997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.479999989
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	916.997009
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	1002.97998
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-26.5079994
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	4.36100006
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	15.1960001
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-2.83699989
MtrCtrl_Vecu_Volt_M_f32[0]	5.33099985
MtrCtrl_Vecu_Volt_M_f32[1]	7.69099998
MtrCurrDaxPrevIntg_Volt_M_f32	6.17600012
MtrCurrDaxRef_Amp_M_f32[0]	-146.173996
MtrCurrDaxRef_Amp_M_f32[1]	-213.335007
MtrCurrQaxCog_Amp_M_f32	152.016006
MtrCurrQaxPrevIntg_Volt_M_f32	1.08770001
MtrCurrQaxRef_Amp_M_f32[0]	-216.921997
MtrCurrQaxRef_Amp_M_f32[1]	-184.923996
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-3.13800001
MtrPosComputationDelay_Rad_M_f32[1]	2.11599994
PICurrCntrl_CurrSensFailSclFac_Uls_M_f32	0.432999998
PICurrCntrl_DualEcuFailSclFac_Uls_M_f32	0.100000001
PICurrCntrl_InverterFailSclFac_Uls_M_f32	0.0109999999
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.335599989
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.851999998
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-10.21
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	12079.9004
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.620700002

TEST DETAILS REPORT

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PICurrCntrl_Per1

Name	Input Value		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	-10.21		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	12079.9004		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.620700002		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	2475.81006		
k_DualEcuSignalScfFacSlew_UlspS_f32	10		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	2645.06006		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.179000005		
k_MtrCtrlVirualResQax_Ohm_f32	0.0120000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	7.70650005		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.0999999		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	0.614899993		
k_MtrVoltQaxIntegLoLim_Volt_f32	-6.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-1.26999998		
k_VoltSatQaxPolyCoeff_Uls_f32	16.9449997		
k_deadtimeVScale_Uls_f32	0.962000012		
t_CommOffsetTblX_Uls_u3p13[0]	4809		
t_CommOffsetTblX_Uls_u3p13[1]	5553		
t_CommOffsetTblY_Cnt_u16[0]	663		
t_CommOffsetTblY_Cnt_u16[1]	905		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	114.946999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1956		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-198.285995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1956	1956	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	0.0375825167	0.0375825092 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.80985308	-4.80985308 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	65492	65492 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.10125	0.10125 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_ModIdx_Uls_u16p16	1	MtrCntrl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 1.2 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1

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PICurrCntrl_Per1

Name	Input Value
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	220
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	220
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	2
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	2
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	1024
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	1024
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	2
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	2
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	1024
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	1024
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	31
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	31
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	31
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	31
MtrCtrl_Vecu_Volt_M_f32[0]	31
MtrCtrl_Vecu_Volt_M_f32[1]	31
MtrCurrDaxPrevIntg_Volt_M_f32	31
MtrCurrDaxRef_Amp_M_f32[0]	220
MtrCurrDaxRef_Amp_M_f32[1]	220
MtrCurrQaxCog_Amp_M_f32	220
MtrCurrQaxPrevIntg_Volt_M_f32	31
MtrCurrQaxRef_Amp_M_f32[0]	220
MtrCurrQaxRef_Amp_M_f32[1]	220
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	3.1400001
MtrPosComputationDelay_Rad_M_f32[1]	3.1400001
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	1
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0199999996
PICurrCntrl_InverterFailScfFac_Uls_M_f32	1
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1350
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	1350
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	50928.6016
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.996827006
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1350
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	1350
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	50928.6016
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.996827006
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	8000
k_DualEcuSignalScfFacSlew_UlspS_f32	8000
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	8000
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	1
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	1
k_MtrCtrlVirualResDax_Ohm_f32	0.200000003
k_MtrCtrlVirualResQax_Ohm_f32	0.200000003
k_MtrCurrQaxRefModifDsb_Cnt_Igc	1
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	1
k_MtrVoltDaxIntegHiLim_Volt_f32	31
k_MtrVoltDaxIntegLoLim_Volt_f32	0
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	31
k_MtrVoltQaxIntegLoLim_Volt_f32	0
k_MtrVoltVecuFiltEnable_Cnt_Igc	1
k_VoltSatDaxPolyCoeff_Uls_f32	25
k_VoltSatQaxPolyCoeff_Uls_f32	25
k_deadtimeVScale_Uls_f32	1

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PICurrCtrl_Per1

Name	Input Value		
t_CommOffsetTblX_Uls_u3p13[0]	8192		
t_CommOffsetTblX_Uls_u3p13[1]	8192		
t_CommOffsetTblY_Cnt_u16[0]	2000		
t_CommOffsetTblY_Cnt_u16[1]	2000		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	220		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	5000		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	220		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	5000	5000	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	0	0 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	21.9203072	21.9203072 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	21.9203072	21.9203072 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	40943	40943 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0	0 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCtrl_Read_MtrCurrQax_Amp_f32	1	MtrCtrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCtrl_Read_MtrCurrDax_Amp_f32	1	MtrCtrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCtrl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	MtrCtrl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	✓
MtrCtrl_Read_SysState_Cnt_Enum	1	MtrCtrl_Read_SysState_Cnt_Enum	1	✓
MtrCtrl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCtrl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCtrl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCtrl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCtrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCtrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCtrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCtrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCtrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCtrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCtrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCtrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCtrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCtrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCtrl_Write_ModIdx_Uls_u16p16	1	MtrCtrl_Write_ModIdx_Uls_u16p16	1	✓
MtrCtrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCtrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCtrl_Write_CommOffset_Cnt_u16	1	MtrCtrl_Write_CommOffset_Cnt_u16	1	✓

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PICurrCntrl_Per1



Test Case 2: Boundary Test



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PICurrCntrl_Per1

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:
	TS 2.1 7138 Cycles
	TS 2.2 7055 Cycles
	TS 2.3 7197 Cycles
	TS 2.4 7162 Cycles
	TS 2.5 7093 Cycles
	TS 2.6 7193 Cycles
	TS 2.7 7156 Cycles
	TS 2.8 7269 Cycles
	TS 2.9 7112 Cycles
	TS 2.10 7123 Cycles
	TS 2.11 7110 Cycles
	TS 2.12 7081 Cycles
	TS 2.13 7152 Cycles
	TS 2.14 7054 Cycles
	TS 2.15 7064 Cycles
	TS 2.16 7106 Cycles
	TS 2.17 7107 Cycles
	TS 2.18 7103 Cycles
	TS 2.19 7114 Cycles
	TS 2.20 7050 Cycles
	TS 2.21 7229 Cycles
	TS 2.22 7035 Cycles
	TS 2.23 7071 Cycles
	TS 2.24 7100 Cycles
	TS 2.25 7213 Cycles
	TS 2.26 7093 Cycles
	TS 2.27 7063 Cycles
	TS 2.28 7111 Cycles
	TS 2.29 7063 Cycles
	TS 2.30 7111 Cycles
	TS 2.31 7096 Cycles
	TS 2.32 7208 Cycles
	TS 2.33 7121 Cycles
	TS 2.34 7092 Cycles
	TS 2.35 7041 Cycles
	TS 2.36 7082 Cycles
	TS 2.37 7199 Cycles
	TS 2.38 7073 Cycles
	TS 2.39 7105 Cycles
	TS 2.40 7064 Cycles
	TS 2.41 7094 Cycles
	TS 2.42 7125 Cycles
	TS 2.43 7005 Cycles
	TS 2.44 7056 Cycles
	TS 2.45 7118 Cycles
	TS 2.46 7172 Cycles
	TS 2.47 7121 Cycles
	TS 2.48 7050 Cycles
	TS 2.49 7190 Cycles
	TS 2.50 7096 Cycles
	TS 2.51 7074 Cycles
	TS 2.52 7116 Cycles
	TS 2.53 7106 Cycles
	TS 2.54 7147 Cycles
	TS 2.55 7093 Cycles
	TS 2.56 7105 Cycles
	TS 2.57 7110 Cycles
	TS 2.58 7085 Cycles
	TS 2.59 7249 Cycles
	TS 2.60 7131 Cycles
	TS 2.61 7106 Cycles
	TS 2.62 7099 Cycles
	TS 2.63 7032 Cycles
	TS 2.64 7059 Cycles
	TS 2.65 7159 Cycles
	TS 2.66 7091 Cycles
	TS 2.67 7062 Cycles
	TS 2.68 7167 Cycles
	TS 2.69 7107 Cycles
	TS 2.70 7130 Cycles
	TS 2.71 7054 Cycles
	TS 2.72 7073 Cycles
	TS 2.73 7148 Cycles
	TS 2.74 7077 Cycles
	TS 2.75 7008 Cycles
	TS 2.76 7134 Cycles
	TS 2.77 7130 Cycles
	TS 2.78 7068 Cycles
	TS 2.79 7083 Cycles
	TS 2.80 7005 Cycles
	TS 2.81 7094 Cycles
	TS 2.82 7099 Cycles
	TS 2.83 7080 Cycles
	TS 2.84 7073 Cycles
	TS 2.85 7043 Cycles
	TS 2.86 7156 Cycles
	TS 2.87 7140 Cycles
	TS 2.88 7115 Cycles
	TS 2.89 7019 Cycles
	TS 2.90 7099 Cycles
	TS 2.91 7019 Cycles
	TS 2.92 7116 Cycles
	TS 2.93 7049 Cycles
	TS 2.94 7093 Cycles
	TS 2.95 7071 Cycles
	TS 2.96 7091 Cycles
	TS 2.97 7083 Cycles
	TS 2.98 7053 Cycles
	TS 2.99 7081 Cycles
	TS 2.100 7058 Cycles
	TS 2.101 7014 Cycles
	TS 2.102 7092 Cycles
	TS 2.103 7083 Cycles
	TS 2.104 7067 Cycles
	TS 2.105 7185 Cycles
	TS 2.106 7149 Cycles
	TS 2.107 7083 Cycles
	TS 2.108 7131 Cycles
	TS 2.109 7088 Cycles
	TS 2.110 7029 Cycles

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PICurrCntrl_Per1

TS 2.111 7194 Cycles
TS 2.112 7080 Cycles
TS 2.113 7093 Cycles
TS 2.114 7140 Cycles
TS 2.115 7097 Cycles
TS 2.116 7165 Cycles
TS 2.117 7033 Cycles
TS 2.118 7152 Cycles
TS 2.119 7111 Cycles
TS 2.120 7134 Cycles
TS 2.121 7099 Cycles
TS 2.122 7300 Cycles
TS 2.123 7135 Cycles
TS 2.124 7201 Cycles
TS 2.125 7136 Cycles
TS 2.126 7122 Cycles
TS 2.127 7105 Cycles
TS 2.128 7129 Cycles
TS 2.129 7130 Cycles
TS 2.130 7098 Cycles
TS 2.131 7040 Cycles
TS 2.132 7219 Cycles
TS 2.133 7087 Cycles
TS 2.134 7053 Cycles
TS 2.135 7196 Cycles
TS 2.136 7118 Cycles
TS 2.137 7098 Cycles
TS 2.138 7146 Cycles
TS 2.139 7138 Cycles
TS 2.140 7111 Cycles
TS 2.141 7084 Cycles
TS 2.142 7234 Cycles
TS 2.143 7108 Cycles
TS 2.144 7180 Cycles
TS 2.145 7232 Cycles
TS 2.146 7119 Cycles
TS 2.147 7153 Cycles
TS 2.148 7080 Cycles
TS 2.149 7140 Cycles
TS 2.150 7091 Cycles
TS 2.151 7153 Cycles
TS 2.152 7125 Cycles
TS 2.153 7169 Cycles
TS 2.154 7122 Cycles
TS 2.155 7044 Cycles
TS 2.156 7126 Cycles
TS 2.157 7152 Cycles
TS 2.158 7052 Cycles
TS 2.159 7134 Cycles
TS 2.160 7119 Cycles
TS 2.161 7175 Cycles
TS 2.162 7274 Cycles
TS 2.163 7066 Cycles
TS 2.164 7132 Cycles
TS 2.165 7054 Cycles
TS 2.166 7153 Cycles
TS 2.167 7078 Cycles
TS 2.168 7293 Cycles
TS 2.169 7115 Cycles
TS 2.170 7134 Cycles
TS 2.171 7079 Cycles
TS 2.172 7255 Cycles
TS 2.173 7093 Cycles
TS 2.174 7105 Cycles
TS 2.175 7099 Cycles
TS 2.176 7163 Cycles
TS 2.177 7132 Cycles
TS 2.178 7178 Cycles
TS 2.179 7134 Cycles
TS 2.180 7067 Cycles
TS 2.181 7078 Cycles
TS 2.182 7142 Cycles
TS 2.183 7078 Cycles
TS 2.184 7142 Cycles

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PICurrCntrl_Per1

Description	Vector Description:
	TS 2.1All_Min
	TS 2.2All_Max
	TS 2.3MtrCurrQaxRef_Amp_M_f32[2] = Min
	TS 2.4MtrCurrQaxRef_Amp_M_f32[2] = Max
	TS 2.5MtrCurrQaxRef_Amp_M_f32[2] = zero
	TS 2.6MtrCurrQaxRef_Amp_M_f32[2] = Neg
	TS 2.7MtrCurrQaxRef_Amp_M_f32[2] = Pos
	TS 2.8MtrCurrDaxRef_Amp_M_f32[2]= Min
	TS 2.9MtrCurrDaxRef_Amp_M_f32[2] = Max
	TS 2.10MtrCurrDaxRef_Amp_M_f32[2] =zero
	TS 2.11MtrCurrDaxRef_Amp_M_f32[2] = Neg
	TS 2.12MtrCurrDaxRef_Amp_M_f32[2] = Pos
	TS 2.13MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[2]= Min
	TS 2.14MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[2] = Max
	TS 2.15MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[2] = Pos
	TS 2.16MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[2]= Min
	TS 2.17MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[2] = Max
	TS 2.18MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[2] = Zero
	TS 2.19

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PICurrCntrl_Per1

TS 2.95PICurrCntrl_CurrSensFailScfFac_Uls_M_f32 = Min
TS 2.96PICurrCntrl_CurrSensFailScfFac_Uls_M_f32 = Max
TS 2.97PICurrCntrl_CurrSensFailScfFac_Uls_M_f32 = mid
TS 2.98k_ILOAFdbackSignalScfFacSlew_UlspS_f32 = Min
TS 2.99k_ILOAFdbackSignalScfFacSlew_UlspS_f32 = Max
TS 2.100k_ILOAFdbackSignalScfFacSlew_UlspS_f32 = Pos
TS 2.101k_ILOAFdbackSignalScfFacSlew_UlspS_f32 = Def
TS 2.102PICurrCntrl_InverterFailScfFac_Uls_M_f32 = Min
TS 2.103PICurrCntrl_InverterFailScfFac_Uls_M_f32 = Max
TS 2.104PICurrCntrl_InverterFailScfFac_Uls_M_f32 = mid
TS 2.105k_deadtimeVScale_Uls_f32 = Min
TS 2.106k_deadtimeVScale_Uls_f32 = Max/Def
TS 2.107k_deadtimeVScale_Uls_f32 = Pos
TS 2.108k_MtrCurrQaxRefModifDsb_Cnt_Igc = Min/Def
TS 2.109k_MtrCurrQaxRefModifDsb_Cnt_Igc = Max
TS 2.110MtrCurrQax_Amp_f32 = Min
TS 2.111MtrCurrQax_Amp_f32 = Max
TS 2.112MtrCurrQax_Amp_f32 = Zero
TS 2.113MtrCurrQax_Amp_f32 = Pos
TS 2.114MtrCurrQax_Amp_f32 = Neg
TS 2.115MtrCurrDax_Amp_f32 = Min
TS 2.116MtrCurrDax_Amp_f32 = Max
TS 2.117MtrCurrDax_Amp_f32 = Zero
TS 2.118MtrCurrDax_Amp_f32 = Pos
TS 2.119MtrCurrDax_Amp_f32 = Neg
TS 2.120MtrCtrl_Vecu_Volt_M_f32= Min
TS 2.121MtrCtrl_Vecu_Volt_M_f32=Max
TS 2.122MtrCtrl_Vecu_Volt_M_f32= Pos
TS 2.123ModIdxSrlComSvcDft_Cnt_Igc = Min
TS 2.124ModIdxSrlComSvcDft_Cnt_Igc = Max
TS 2.125SysState_Cnt_T_Enum=>RTE_MODE_StaMd_Mode_DISABLE
TS 2.126SysState_Cnt_T_Enum=>RTE_MODE_StaMd_Mode_OFF
TS 2.127SysState_Cnt_T_Enum=>RTE_MODE_StaMd_Mode_OPERATE
TS 2.128SysState_Cnt_T_Enum=>RTE_MODE_StaMd_Mode_WARMINIT
TS 2.129SysState_Cnt_T_Enum=>RTE_TRANSITION_StaMd_Mode
TS 2.130FastDataAccessBufIndex_Cnt_M_u16 = Min
TS 2.131FastDataAccessBufIndex_Cnt_M_u16 = Max
TS 2.132MotCurrLoaMtgtnEn_Cnt_Igc = Min
TS 2.133MotCurrLoaMtgtnEn_Cnt_Igc = Max
TS 2.134IvtrLoaMtgtnEn_Cnt_Igc = Min
TS 2.135IvtrLoaMtgtnEn_Cnt_Igc = Max
TS 2.136SlowDataAccessBufIndex_Cnt_M_u16 = Min
TS 2.137SlowDataAccessBufIndex_Cnt_M_u16 = Max
TS 2.138t_CommOffsetTblX_Uls_u3p13[2] = Min
TS 2.139t_CommOffsetTblX_Uls_u3p13[2] = Max
TS 2.140t_CommOffsetTblX_Uls_u3p13[2] = Pos
TS 2.141t_CommOffsetTblY_Cnt_u16[2] = Min
TS 2.142t_CommOffsetTblY_Cnt_u16[2] = Max
TS 2.143t_CommOffsetTblY_Cnt_u16[2] = Pos
TS 2.144k_MtrCtrlVirualResDax_Ohm_f32 = Min/Def
TS 2.145k_MtrCtrlVirualResDax_Ohm_f32 = Max
TS 2.146k_MtrCtrlVirualResDax_Ohm_f32 = Pos
TS 2.147k_MtrCtrlVirualResQax_Ohm_f32 = Min/Def
TS 2.148k_MtrCtrlVirualResQax_Ohm_f32 = Max
TS 2.149k_MtrCtrlVirualResQax_Ohm_f32 = Pos
TS 2.150k_VoltSatDaxPolyCoeff_Uls_f32 = Min
TS 2.151k_VoltSatDaxPolyCoeff_Uls_f32 = Max
TS 2.152k_VoltSatDaxPolyCoeff_Uls_f32 = Zero/Def
TS 2.153k_VoltSatDaxPolyCoeff_Uls_f32 = Neg
TS 2.154k_VoltSatDaxPolyCoeff_Uls_f32 = Pos
TS 2.155k_VoltSatQaxPolyCoeff_Uls_f32 = Min
TS 2.156k_VoltSatQaxPolyCoeff_Uls_f32 = Max
TS 2.157k_VoltSatQaxPolyCoeff_Uls_f32 = Zero/Def
TS 2.158k_VoltSatQaxPolyCoeff_Uls_f32 = Neg
TS 2.159k_VoltSatQaxPolyCoeff_Uls_f32 = Pos
TS 2.160MtrCurrOffComOffset_Cnt_u16 = Min
TS 2.161MtrCurrOffComOffset_Cnt_u16 = Max
TS 2.162MtrCurrOffComOffset_Cnt_u16 = Pos
TS 2.163k_MtrVoltQaxFiltFFEnable_Cnt_Igc= Min
TS 2.164k_MtrVoltQaxFiltFFEnable_Cnt_Igc= Max
TS 2.165k_MtrVoltVecuFiltFFEnable_Cnt_Igc= Min
TS 2.166k_MtrVoltVecuFiltFFEnable_Cnt_Igc= Max
TS 2.167k_MtrVoltQaxIntegLoLim_Volt_f32 = >min
TS 2.168k_MtrVoltQaxIntegLoLim_Volt_f32 = >max
TS 2.169k_MtrVoltQaxIntegLoLim_Volt_f32 = >neg
TS 2.170k_MtrVoltQaxIntegLoLim_Volt_f32 = >default
TS 2.171k_MtrVoltQaxIntegHiLim_Volt_f32=>min
TS 2.172k_MtrVoltQaxIntegHiLim_Volt_f32=>max
TS 2.173k_MtrVoltQaxIntegHiLim_Volt_f32=>default
TS 2.174k_MtrVoltQaxIntegHiLim_Volt_f32=>mid
TS 2.175k_MtrVoltDaxIntegLoLim_Volt_f32 =>min
TS 2.176k_MtrVoltDaxIntegLoLim_Volt_f32 =>max
TS 2.177k_MtrVoltDaxIntegLoLim_Volt_f32 =>neg
TS 2.178k_MtrVoltDaxIntegLoLim_Volt_f32 =>default
TS 2.179k_MtrVoltDaxIntegHiLim_Volt_f32 =>min
TS 2.180k_MtrVoltDaxIntegHiLim_Volt_f32 =>max
TS 2.181k_MtrVoltDaxIntegHiLim_Volt_f32 =>mid
TS 2.182k_MtrVoltDaxIntegHiLim_Volt_f32 =>default
TS 2.183k_MtrCurrQaxRefModifRplEn_Cnt_Igc =>min
TS 2.184k_MtrCurrQaxRefModifRplEn_Cnt_Igc =>max/Default

Test Step 2.1 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0

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Name	Input Value
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-220
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-220
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.00499999989
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00499999989
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00499999989
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.00499999989
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-1024
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-1024
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.00499999989
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.00499999989
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.00499999989
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.00499999989
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-1024
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-1024
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-31
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-31
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-31
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-31
MtrCtrl_Vecu_Volt_M_f32[0]	5
MtrCtrl_Vecu_Volt_M_f32[1]	5
MtrCurrDaxPrevIntg_Volt_M_f32	-31
MtrCurrDaxRef_Amp_M_f32[0]	-220
MtrCurrDaxRef_Amp_M_f32[1]	-220
MtrCurrQaxCog_Amp_M_f32	-220
MtrCurrQaxPrevIntg_Volt_M_f32	-31
MtrCurrQaxRef_Amp_M_f32[0]	-220
MtrCurrQaxRef_Amp_M_f32[1]	-220
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-3.1400001
MtrPosComputationDelay_Rad_M_f32[1]	-3.1400001
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-1350
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-1350
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	-0.996816993
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	1.96346009e-005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-1350
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-1350
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	-0.996816993
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	1.96346009e-005
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	10
k_DualEcuSignalScfFacSlew_UlspS_f32	10
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	10
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0
k_MtrCtrlVirualResDax_Ohm_f32	0
k_MtrCtrlVirualResQax_Ohm_f32	0
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	0
k_MtrVoltDaxIntegLoLim_Volt_f32	-31
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	0
k_MtrVoltQaxIntegLoLim_Volt_f32	-31
k_MtrVoltVecuFiltEnable_Cnt_Igc	0
k_VoltSatDaxPolyCoeff_Uls_f32	-25
k_VoltSatQaxPolyCoeff_Uls_f32	-25
k_deadtimeVScale_Uls_f32	0.949999988

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Name	Input Value		
t_CommOffsetTblX_Uls_u3p13[0]	0		
t_CommOffsetTblX_Uls_u3p13[1]	0		
t_CommOffsetTblY_Cnt_u16[0]	0		
t_CommOffsetTblY_Cnt_u16[1]	0		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-220		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	0		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-220		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	0	0	✓
MtrCntrl_Write_Modldx_Uls_u16p16(val)	62259	62259 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	0	0 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-3.35873365	-3.35873365 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-3.3587811	-3.3587811 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	8209	8209 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.00125000009	0.00125000009 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgEnSciFac	1	LoaMtgEnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.2 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	220
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	220
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	2
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	2
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	1024
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	1024
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	2
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	2
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	1024

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Name	Input Value		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	1024		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	31		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	31		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	31		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	31		
MtrCtrl_Vecu_Volt_M_f32[0]	31		
MtrCtrl_Vecu_Volt_M_f32[1]	31		
MtrCurrDaxPrevIntg_Volt_M_f32	31		
MtrCurrDaxRef_Amp_M_f32[0]	220		
MtrCurrDaxRef_Amp_M_f32[1]	220		
MtrCurrQaxCog_Amp_M_f32	220		
MtrCurrQaxPrevIntg_Volt_M_f32	31		
MtrCurrQaxRef_Amp_M_f32[0]	220		
MtrCurrQaxRef_Amp_M_f32[1]	220		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	3.1400001		
MtrPosComputationDelay_Rad_M_f32[1]	3.1400001		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	1		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	1		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	1		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1350		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	1350		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	50928.6016		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.996827006		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1350		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	1350		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	50928.6016		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.996827006		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	8000		
k_DualEcuSignalScfFacSlew_UlspS_f32	8000		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	8000		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.200000003		
k_MtrCtrlVirualResQax_Ohm_f32	0.200000003		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	31		
k_MtrVoltDaxIntegLoLim_Volt_f32	0		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	31		
k_MtrVoltQaxIntegLoLim_Volt_f32	0		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	25		
k_VoltSatQaxPolyCoeff_Uls_f32	25		
k_deadtimeVScale_Uls_f32	1		
t_CommOffsetTblX_Uls_u3p13[0]	8192		
t_CommOffsetTblX_Uls_u3p13[1]	8192		
t_CommOffsetTblY_Cnt_u16[0]	2000		
t_CommOffsetTblY_Cnt_u16[1]	2000		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	220		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	5000		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	220		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	5000	5000	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	0	0 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	21.9203072	21.9203072 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	21.9203072	21.9203072 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	40943	40943 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0	0 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.3 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0430000015
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.114
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0610000007
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0579999983
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.43400002
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.70599997
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	362.112
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	65.1259995
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.064000003
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0209999997
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.104000002
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.063000001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.356999993
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.65200001
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-894.130005
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-888.995972
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-29.9890003
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	29.243
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-29.7110004
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	3.61899996
MtrCtrl_Vecu_Volt_M_f32[0]	14.2779999
MtrCtrl_Vecu_Volt_M_f32[1]	16.6380005
MtrCurrDaxPrevIntg_Volt_M_f32	19.7509995
MtrCurrDaxRef_Amp_M_f32[0]	67.4899979
MtrCurrDaxRef_Amp_M_f32[1]	119.721001
MtrCurrQaxCog_Amp_M_f32	-181.929001
MtrCurrQaxPrevIntg_Volt_M_f32	7.82140017
MtrCurrQaxRef_Amp_M_f32[0]	-220
MtrCurrQaxRef_Amp_M_f32[1]	-220
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.124899998
MtrPosComputationDelay_Rad_M_f32[1]	-1.05569994
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.416999996
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.100000001
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.787

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.190799996		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.708000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-657.130005		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	48410.1016		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0835999995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-657.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	48410.1016		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0835999995		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	10.1009998		
k_DualEcuSignalScfFacSlew_UlspS_f32	11.1999998		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4233.2002		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.0879999995		
k_MtrCtrlVirualResQax_Ohm_f32	0.00999999978		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	12.9371996		
k_MtrVoltDaxIntegLoLim_Volt_f32	-0.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	25.1975002		
k_MtrVoltQaxIntegLoLim_Volt_f32	-0.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-1.59399998		
k_VoltSatQaxPolyCoeff_Uls_f32	8.35700035		
k_deadtimeVScale_Uls_f32	0.950999975		
t_CommOffsetTblX_Uls_u3p13[0]	4914		
t_CommOffsetTblX_Uls_u3p13[1]	7782		
t_CommOffsetTblY_Cnt_u16[0]	1099		
t_CommOffsetTblY_Cnt_u16[1]	1672		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-72.4260025		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4932		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	77.189003		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1672	1672	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	62324	62324 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-38.0709991	-38.0709991 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	6.70963526	6.70963383 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	11.8047943	11.8047924 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	4088	4088 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	12.9371996	12.9371996	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.101400003	0.101400003 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.4 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModlIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModlIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	205.820999
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-206.792007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.115000002
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0579999983
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0320000015
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0869999975
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.0649999976
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.227
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	537.232971
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	67.9840012
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0549999997
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.109999999
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0270000007
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0920000002
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.703000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.75199997
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	462.437012
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-685.195984
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	30.6930008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	0.219999999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	3.45499992
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-19.1830006
MtrCtrl_Vecu_Volt_M_f32[0]	22.3540001
MtrCtrl_Vecu_Volt_M_f32[1]	24.7140007
MtrCurrDaxPrevIntg_Volt_M_f32	-23.0620003
MtrCurrDaxRef_Amp_M_f32[0]	37.4550018
MtrCurrDaxRef_Amp_M_f32[1]	-2.84500003
MtrCurrQaxCog_Amp_M_f32	-55.5390015
MtrCurrQaxPrevIntg_Volt_M_f32	8.08899975
MtrCurrQaxRef_Amp_M_f32[0]	220
MtrCurrQaxRef_Amp_M_f32[1]	220
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-1.08599997
MtrPosComputationDelay_Rad_M_f32[1]	2.90249991
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	1
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.200000003
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.638000011
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.880900025
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.978999972
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-657.099976
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	47050.1992
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0229000002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-657.099976
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	47050.1992
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0229000002
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	10
k_DualEcuSignalScfFacSlew_UlspS_f32	12.3999996
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	7088.3501
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.194999993
k_MtrCtrlVirtualResQax_Ohm_f32	0.142000005
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	17.9123993
k_MtrVoltDaxIntegLoLim_Volt_f32	-0.699999988
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	19.4449997
k_MtrVoltQaxIntegLoLim_Volt_f32	-0.699999988
k_MtrVoltVecuFiltEnable_Cnt_lgc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-19.4559994		
k_VoltSatQaxPolyCoeff_Uls_f32	-18.6200008		
k_deadtimeVScale_Uls_f32	0.95599997		
t_CommOffsetTblX_Uls_u3p13[0]	4170		
t_CommOffsetTblX_Uls_u3p13[1]	6749		
t_CommOffsetTblY_Cnt_u16[0]	177		
t_CommOffsetTblY_Cnt_u16[1]	340		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	83.9489975		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	335		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	-145.169006		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	315	315	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	50872	50872 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	0.219999999	0.219999999 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	-19.1830006	-19.1830006 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	62923	62923 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-0.699999988	-0.699999988	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.198449999	0.198449999 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓	
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓	

Test Step 2.5 (Repeat Count = 1)		
Name	Input Value	
FastDataAccessBufIndex_Cnt_M_u16	0	
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val	
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val	
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-69.0940018	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	161.973007	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0489999987	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.114	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.108000003	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0820000023	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.824000001	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.423999995	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-284.230011	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	346.425995	
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0710000023	
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.00700000022	
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.123999998	
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0790000036	

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.00899999961		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.625		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	351.605011		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	882.085999		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-24.6650009		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	18.8299999		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	26.4720001		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	6.0999999		
MtrCtrl_Vecu_Volt_M_f32[0]	14.2779999		
MtrCtrl_Vecu_Volt_M_f32[1]	16.6380005		
MtrCurrDaxPrevIntg_Volt_M_f32	-6.72300005		
MtrCurrDaxRef_Amp_M_f32[0]	94.3150024		
MtrCurrDaxRef_Amp_M_f32[1]	37.4959984		
MtrCurrQaxCog_Amp_M_f32	146.660995		
MtrCurrQaxPrevIntg_Volt_M_f32	24.8390999		
MtrCurrQaxRef_Amp_M_f32[0]	0		
MtrCurrQaxRef_Amp_M_f32[1]	0		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	2.78379989		
MtrPosComputationDelay_Rad_M_f32[1]	2.09030008		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.0170000009		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00100000005		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.653999984		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.588400006		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.407000005		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	386.220001		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	47672		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.660899997		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	386.220001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	47672		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.660899997		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	2305.86011		
k_DualEcuSignalScfFacSlew_UlspS_f32	13.6000004		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	5143.29004		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.0260000005		
k_MtrCtrlVirualResQax_Ohm_f32	0.199000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	4.14720011		
k_MtrVoltDaxIntegLoLim_Volt_f32	-0.800000012		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	2.33150005		
k_MtrVoltQaxIntegLoLim_Volt_f32	-0.800000012		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	18.1009998		
k_VoltSatQaxPolyCoeff_Uls_f32	12.7729998		
k_deadtimeVScale_Uls_f32	0.984000027		
t_CommOffsetTblX_Uls_u3p13[0]	4013		
t_CommOffsetTblX_Uls_u3p13[1]	4882		
t_CommOffsetTblY_Cnt_u16[0]	790		
t_CommOffsetTblY_Cnt_u16[1]	931		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-144.667007		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4626		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-100.035004		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	931	931	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	64487	64487 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-146.660995	-146.660995 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-13.7772903	-13.7772913 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	2.75248003	2.75247979 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	14709	14709 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00270000007	0.00270000007 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.6 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-132.813004
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-9.14299965
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.119000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0820000023
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0480000004
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0930000022
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.912
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.71200001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	355.987
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-300.080994
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0939999968
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0329999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0140000004
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.0860000029
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.0359999985
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	363.006989
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	428.059998
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	25.0079994
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	19.2439995
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	14.4589996
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-5.13000011
MtrCtrl_Vecu_Volt_M_f32[0]	20.2549992
MtrCtrl_Vecu_Volt_M_f32[1]	22.6149998
MtrCurrDaxPrevIntg_Volt_M_f32	-17.5849991
MtrCurrDaxRef_Amp_M_f32[0]	212.455994
MtrCurrDaxRef_Amp_M_f32[1]	89.8619995
MtrCurrQaxCog_Amp_M_f32	-172.485001
MtrCurrQaxPrevIntg_Volt_M_f32	16.4962006
MtrCurrQaxRef_Amp_M_f32[0]	-115.696999
MtrCurrQaxRef_Amp_M_f32[1]	-141.417007
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-1.39999998
MtrPosComputationDelay_Rad_M_f32[1]	0.984399974
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.0419999994
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00200000009
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.861999989
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.897000015
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.652999997

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Name	Input Value		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	29506.5		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.499300003		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-784.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	29506.5		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.499300003		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7811.3999		
k_DualEcuSignalScfFacSlew_UlspS_f32	14.8000002		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	5154.22021		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.00999999978		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0780000016		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	7.24790001		
k_MtrVoltDaxIntegLoLim_Volt_f32	-1.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	11.4308004		
k_MtrVoltQaxIntegLoLim_Volt_f32	-1.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-20.1009998		
k_VoltSatQaxPolyCoeff_Uls_f32	15.8879995		
k_deadtimeVScale_Uls_f32	0.978999972		
t_CommOffsetTblX_Uls_u3p13[0]	6717		
t_CommOffsetTblX_Uls_u3p13[1]	7750		
t_CommOffsetTblY_Cnt_u16[0]	59		
t_CommOffsetTblY_Cnt_u16[1]	1827		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	80.8180008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	970		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-184.522003		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	970	970	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	31.0679932	31.0679932 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	10.6815271	10.6815271 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-2.84744525	-2.84744525 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	29369	29369 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-1.5	-1.5	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.000149999978	0.000149999978 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.7 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-146.173996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-213.335007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0270000007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0149999997
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0680000037
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.063000001
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.40199995
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.232999995
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	115.644997
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	546.737976
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0160000008
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0869999975
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0329999998
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.89699996
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.37399995
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-766.185974
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-58.2080002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-20.0429993
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	7.43900013
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.3130002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	3.05299997
MtrCtrl_Vecu_Volt_M_f32[0]	13.085
MtrCtrl_Vecu_Volt_M_f32[1]	15.4449997
MtrCurrDaxPrevIntg_Volt_M_f32	-17.3029995
MtrCurrDaxRef_Amp_M_f32[0]	-108.124001
MtrCurrDaxRef_Amp_M_f32[1]	178.639008
MtrCurrQaxCog_Amp_M_f32	39.7939987
MtrCurrQaxPrevIntg_Volt_M_f32	19.8957996
MtrCurrQaxRef_Amp_M_f32[0]	140.470001
MtrCurrQaxRef_Amp_M_f32[1]	93.5790024
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.79139996
MtrPosComputationDelay_Rad_M_f32[1]	0.0716999993
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.961000025
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00300000003
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.958999991
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.954400003
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.123000003
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-627.179993
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	947.73999
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	39240.1992
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.217500001
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-627.179993
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	947.73999
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	39240.1992
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.217500001
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	2988.07007
k_DualEcuSignalScfFacSlew_UlspS_f32	16
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	1052.21997
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.165000007
k_MtrCtrlVirtualResQax_Ohm_f32	0.192000002
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	10.6739998
k_MtrVoltDaxIntegLoLim_Volt_f32	-2.5
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	22.7896004
k_MtrVoltQaxIntegLoLim_Volt_f32	-2.5
k_MtrVoltVecuFiltEnable_Cnt_lgc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-0.714999974		
k_VoltSatQaxPolyCoeff_Uls_f32	10.5810003		
k_deadtimeVScale_Uls_f32	0.996999979		
t_CommOffsetTblX_Uls_u3p13[0]	3841		
t_CommOffsetTblX_Uls_u3p13[1]	4727		
t_CommOffsetTblY_Cnt_u16[0]	222		
t_CommOffsetTblY_Cnt_u16[1]	974		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr	0		
target_MtrCntri_Read_IvtrLoaMtgEn_Cnt_Igc_ptr	1		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_Igc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr	0		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	-44.2579994		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1850		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	-197.354996		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	1850	1850	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	53.7850037	53.7850037 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	30.809248	30.809248 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	-2.45619059	-2.45619082 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	17962	17962 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.00499999989	0.00499999989 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.8 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-91.4420013
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	133.692993
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0759999976
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0240000002
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0120000001
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0710000023
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.349000007
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.930000007
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	923.77301
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	220.951996
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0430000015
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0329999998

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Name	Input Value
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.00800000038
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.01899999994
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.12600005
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.60000002
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-994.463989
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-659.200989
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	22.5750008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	22.8969994
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-8.79500008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	27.5049992
MtrCtrl_Vecu_Volt_M_f32[0]	25.4869995
MtrCtrl_Vecu_Volt_M_f32[1]	27.8470001
MtrCurrDaxPrevIntg_Volt_M_f32	-6.4460001
MtrCurrDaxRef_Amp_M_f32[0]	-220
MtrCurrDaxRef_Amp_M_f32[1]	-220
MtrCurrQaxCog_Amp_M_f32	161.921005
MtrCurrQaxPrevIntg_Volt_M_f32	18.0524998
MtrCurrQaxRef_Amp_M_f32[0]	-82.2979965
MtrCurrQaxRef_Amp_M_f32[1]	46.8180008
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	3.01180005
MtrPosComputationDelay_Rad_M_f32[1]	-2.14400005
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.681999981
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00400000019
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.151999995
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.910700023
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.742999971
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-1118
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	269.399994
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	17955.1992
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.958999991
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-1118
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	269.399994
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	17955.1992
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.958999991
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	5278.47998
k_DualEcuSignalScfFacSlew_UlspS_f32	17.2000008
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	6189.22021
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0
k_MtrCtrlVirualResDax_Ohm_f32	0.00700000022
k_MtrCtrlVirualResQax_Ohm_f32	0.140000001
k_MtrCurrQaxRefModifDsb_Cnt_Igc	1
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	30.5515995
k_MtrVoltDaxIntegLoLim_Volt_f32	-3.5
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	27.4305
k_MtrVoltQaxIntegLoLim_Volt_f32	-3.5
k_MtrVoltVecuFiltEnable_Cnt_Igc	1

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Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.00184999988	0.00184999988 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModlDx_Uls_u16p16	1	MtrCntl_Write_ModlDx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.9 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	171.485992
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	163.787003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.114
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0179999992
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0460000001
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.167999998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.62100005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	720.525024
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-487.845001
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.0960000008
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.103
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.075000003
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.0649999976
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.60500002
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.33500004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-418.748993
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	590.754028
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-11.3319998
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-5.40700006
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-22.3460007
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-17.8169994
MtrCtrl_Vecu_Volt_M_f32[0]	16.8080006
MtrCtrl_Vecu_Volt_M_f32[1]	19.1679993
MtrCurrDaxPrevIntg_Volt_M_f32	14.7060003
MtrCurrDaxRef_Amp_M_f32[0]	220
MtrCurrDaxRef_Amp_M_f32[1]	220
MtrCurrQaxCog_Amp_M_f32	177.763
MtrCurrQaxPrevIntg_Volt_M_f32	12.4979
MtrCurrQaxRef_Amp_M_f32[0]	160.044006
MtrCurrQaxRef_Amp_M_f32[1]	165.242004
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	0.170000002
MtrPosComputationDelay_Rad_M_f32[1]	-2.78010011
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.426999986

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PICurrCntl_Per1

Name	Input Value		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00499999989		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.469999999		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.194700003		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.860000014		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-340.130005		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	31081.1992		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.797699988		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	-340.130005		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	31081.1992		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.797699988		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	5764.10986		
k_DualEcuSignalScfFacSlew_UlspS_f32	18.3999996		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	3350.96997		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.175999999		
k_MtrCtrlVirtualResQax_Ohm_f32	0.061999999		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	12.2978001		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	12.2735996		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	21.7950001		
k_VoltSatQaxPolyCoeff_Uls_f32	21.1380005		
k_deadtimeVScale_Uls_f32	0.958999991		
t_CommOffsetTblX_Uls_u3p13[0]	4432		
t_CommOffsetTblX_Uls_u3p13[1]	5751		
t_CommOffsetTblY_Cnt_u16[0]	132		
t_CommOffsetTblY_Cnt_u16[1]	216		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	75.0830002		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3800		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	54.1119995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	3800	3800	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-17.7189941	-17.7189941 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	4.31741476	4.31741476 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	2.0861342	2.0861342 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	13462	13462 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00729999971	0.00729999971 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.10 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	106.072998
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-112.455002
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.119000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0659999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.20299995
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.354000002
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	868.213013
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	949.690002
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112000003
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0930000022
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0579999983
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.104000002
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.319999993
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.254999995
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-236.619003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-663.224976
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-15.8149996
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-9.85200024
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-23.448
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-24.9260006
MtrCtrl_Vecu_Volt_M_f32[0]	5.56799984
MtrCtrl_Vecu_Volt_M_f32[1]	7.92799997
MtrCurrDaxPrevIntg_Volt_M_f32	5.13399982
MtrCurrDaxRef_Amp_M_f32[0]	0
MtrCurrDaxRef_Amp_M_f32[1]	0
MtrCurrQaxCog_Amp_M_f32	160.160004
MtrCurrQaxPrevIntg_Volt_M_f32	12.7323999
MtrCurrQaxRef_Amp_M_f32[0]	-65.1900024
MtrCurrQaxRef_Amp_M_f32[1]	-216.972
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.44899988
MtrPosComputationDelay_Rad_M_f32[1]	1.2507
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.109999999
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00600000005
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.214000002

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.85650003		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.504000008		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-784.130005		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	38607.8008		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.253199995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-784.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	38607.8008		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.253199995		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	5287.27002		
k_DualEcuSignalScfFacSlew_UlspS_f32	19.6000004		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	3540.21997		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.0329999998		
k_MtrCtrlVirualResQax_Ohm_f32	0.0209999997		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	21.5352001		
k_MtrVoltDaxIntegLoLim_Volt_f32	-6.5999999		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	28.4337997		
k_MtrVoltQaxIntegLoLim_Volt_f32	-6.5999999		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	0.853999972		
k_VoltSatQaxPolyCoeff_Uls_f32	-2.3499999		
k_deadtimeVScale_Uls_f32	0.975000024		
t_CommOffsetTblX_Uls_u3p13[0]	4529		
t_CommOffsetTblX_Uls_u3p13[1]	6659		
t_CommOffsetTblY_Cnt_u16[0]	120		
t_CommOffsetTblY_Cnt_u16[1]	597		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	74.0660019		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2932		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-17.6900005		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	597	597	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63897	63897 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-4.90475225	-4.90475225 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	2.32707381	2.32707429 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	13781	13781 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00354999979	0.00354999979 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.11 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	24.6130009
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-20.9400005
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0769999996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.103
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.023
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.88600004
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.31599998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	417.908997
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-364.772003
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.125
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.00999999978
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0729999989
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0450000018
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.368000001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.432000011
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-959.400024
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-873.330017
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-28.7189999
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-12.0450001
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-29.9890003
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	29.243
MtrCtrl_Vecu_Volt_M_f32[0]	17.9899998
MtrCtrl_Vecu_Volt_M_f32[1]	20.3500004
MtrCurrDaxPrevIntg_Volt_M_f32	9.50599957
MtrCurrDaxRef_Amp_M_f32[0]	-115.696999
MtrCurrDaxRef_Amp_M_f32[1]	-141.417007
MtrCurrQaxCog_Amp_M_f32	175.421997
MtrCurrQaxPrevIntg_Volt_M_f32	27.8554001
MtrCurrQaxRef_Amp_M_f32[0]	-146.723007
MtrCurrQaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.56599998
MtrPosComputationDelay_Rad_M_f32[1]	0.2095
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.591000021
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00700000022
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.361999989
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.692700028
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.643000007
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	0
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	386.220001
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	21678.8008
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0943000019
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	0
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	386.220001
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	21678.8008
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0943000019
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	5215.41016
k_DualEcuSignalScfFacSlew_UlspS_f32	20.7999992
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	1901.98999
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.138999999
k_MtrCtrlVirtualResQax_Ohm_f32	0.192000002
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	10.9145002
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.5999999
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	28.5716991
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.5999999
k_MtrVoltVecuFiltEnable_Cnt_lgc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-10.7819996		
k_VoltSatQaxPolyCoeff_Uls_f32	0.375		
k_deadtimeVScale_Uls_f32	0.986000001		
t_CommOffsetTblX_Uls_u3p13[0]	1565		
t_CommOffsetTblX_Uls_u3p13[1]	4914		
t_CommOffsetTblY_Cnt_u16[0]	118		
t_CommOffsetTblY_Cnt_u16[1]	769		
target_MtrCntri_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntri_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntri_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	-149.003006		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4611		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	-214.828995		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	769	769	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	64618	64618 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	-7.64182472	-7.64182472 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	18.5529175	18.5529175 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	63646	63646 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.00960000046	0.00960000046 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.12 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-166.035004
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	183.065002
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0480000004
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.122000001
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.123999998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.509000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.29100001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-447.415009
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-391.990997
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.114
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0860000029
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.104000002
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.00600000005

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.213		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.442000002		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	451.035004		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	847.624023		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-19.4680004		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-24.3309994		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	30.6930008		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	0.219999999		
MtrCtrl_Vecu_Volt_M_f32[0]	20.6809998		
MtrCtrl_Vecu_Volt_M_f32[1]	23.0410004		
MtrCurrDaxPrevIntg_Volt_M_f32	24.7740002		
MtrCurrDaxRef_Amp_M_f32[0]	140.470001		
MtrCurrDaxRef_Amp_M_f32[1]	93.5790024		
MtrCurrQaxCog_Amp_M_f32	-8.45100021		
MtrCurrQaxPrevIntg_Volt_M_f32	6.23339987		
MtrCurrQaxRef_Amp_M_f32[0]	-208.287994		
MtrCurrQaxRef_Amp_M_f32[1]	-27.9839993		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	0.271100014		
MtrPosComputationDelay_Rad_M_f32[1]	0.3134		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.127000004		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00800000038		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.860000014		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.588100016		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.179000005		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	18254.6992		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.766499996		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	18254.6992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.766499996		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7975.79004		
k_DualEcuSignalScfFacSlew_UlspS_f32	22		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	3201.42993		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.0209999997		
k_MtrCtrlVirualResQax_Ohm_f32	0.101999998		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	7.97240019		
k_MtrVoltDaxIntegLoLim_Volt_f32	-5.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	1.26639998		
k_MtrVoltQaxIntegLoLim_Volt_f32	-5.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	3.04200006		
k_VoltSatQaxPolyCoeff_Uls_f32	14.8559999		
k_deadtimeVScale_Uls_f32	0.984000027		
t_CommOffsetTblX_Uls_u3p13[0]	1262		
t_CommOffsetTblX_Uls_u3p13[1]	5333		
t_CommOffsetTblY_Cnt_u16[0]	311		
t_CommOffsetTblY_Cnt_u16[1]	1141		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-124.758003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3668		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-96.3310013		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	3668	3668	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-199.83699	-199.83699 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-4.30940723	-4.30940723 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	2.37390137	2.37390161 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	57231	57231 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	7.97240019	7.97240019	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00525000039	0.00525000039 ± 0.0625	✓

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Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.13 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	140.289001
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	178.235992
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0560000017
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.1209999999
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.07699999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.02999999993
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	248.748993
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	78.5080032
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0960000008
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.01099999999
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.01999999996
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.08799999995
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.155000001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.0590000004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	853.911011
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-267.251007
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-29.7110004
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	3.61899996
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-24.6650009
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	18.82999999
MtrCtrl_Vecu_Volt_M_f32[0]	14.2779999
MtrCtrl_Vecu_Volt_M_f32[1]	16.6380005
MtrCurrDaxPrevIntg_Volt_M_f32	-14.5480003
MtrCurrDaxRef_Amp_M_f32[0]	-213.026993
MtrCurrDaxRef_Amp_M_f32[1]	-66.7229996
MtrCurrQaxCog_Amp_M_f32	-35.144001
MtrCurrQaxPrevIntg_Volt_M_f32	1.25670004
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.886900008
MtrPosComputationDelay_Rad_M_f32[1]	2.77320004
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.2399999995
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.008999999961
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.759999999

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.671500027		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.572000027		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-10.21		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	23863		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.1391		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-10.21		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	23863		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.1391		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6335.39014		
k_DualEcuSignalScfFacSlew_UlspS_f32	23.2000008		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	7999.74023		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.172000006		
k_MtrCtrlVirtualResQax_Ohm_f32	0.128999993		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	18.8404007		
k_MtrVoltDaxIntegLoLim_Volt_f32	-6.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	8.35560036		
k_MtrVoltQaxIntegLoLim_Volt_f32	-6.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-1.08800006		
k_VoltSatQaxPolyCoeff_Uls_f32	-2.53399992		
k_deadtimeVScale_Uls_f32	0.995000005		
t_CommOffsetTblX_Uls_u3p13[0]	1229		
t_CommOffsetTblX_Uls_u3p13[1]	1416		
t_CommOffsetTblY_Cnt_u16[0]	1102		
t_CommOffsetTblY_Cnt_u16[1]	1272		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4293		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-168.113007		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1272	1272	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	65208	65208 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	66.7310028	66.7310028 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-1.13344944	-1.13344932 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	14.1613216	14.1613216 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	55452	55452 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0119000003	0.0119000003 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓	

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Test Step 2.14 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	91.8850021
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	182.261002
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.064000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0869999975
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.101999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0430000015
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	2
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	2
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-813.039001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	76.7679977
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.00700000022
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0839999989
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0189999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.91199994
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.33000004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	572.697998
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-525.994019
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	3.45499992
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-19.1830006
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	25.0079994
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	19.2439995
MtrCtrl_Vecu_Volt_M_f32[0]	21.2989998
MtrCtrl_Vecu_Volt_M_f32[1]	23.6590004
MtrCurrDaxPrevIntg_Volt_M_f32	6.20800018
MtrCurrDaxRef_Amp_M_f32[0]	-212.632996
MtrCurrDaxRef_Amp_M_f32[1]	-205.085007
MtrCurrQaxCog_Amp_M_f32	79.6880035
MtrCurrQaxPrevIntg_Volt_M_f32	28.2577
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	0.291799992
MtrPosComputationDelay_Rad_M_f32[1]	-2.62470007
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.0549999997
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00999999978
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0209999997
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.627399981
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.523000002
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	570.700012
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	1838.12
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.523899972
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	570.700012
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	1838.12
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.523899972
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	5138.27002
k_DualEcuSignalScfFacSlew_UlspS_f32	24.3999996
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	1882.53003
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.0289999992
k_MtrCtrlVirtualResQax_Ohm_f32	0.181999996
k_MtrCurrQaxRefModifDsb_Cnt_Igc	1
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	11.2284002
k_MtrVoltDaxIntegLoLim_Volt_f32	-7.5
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	7.49779987
k_MtrVoltQaxIntegLoLim_Volt_f32	-7.5
k_MtrVoltVecuFiltEnable_Cnt_Igc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-15.625		
k_VoltSatQaxPolyCoeff_Uls_f32	3.14400005		
k_deadtimeVScale_Uls_f32	0.977999985		
t_CommOffsetTblX_Uls_u3p13[0]	4858		
t_CommOffsetTblX_Uls_u3p13[1]	7209		
t_CommOffsetTblY_Cnt_u16[0]	1186		
t_CommOffsetTblY_Cnt_u16[1]	1407		
target_MtrCntri_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntri_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntri_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3506		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	-5.66300011		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	1407	1407	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	64094	64094 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-3.98600006	-3.98600006 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	-16.3353996	-16.3353996 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	16.3873444	16.3873444 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	29984	29984 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.00694999937	0.00694999937 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.15 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntl_Read_lvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-166.035004
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	183.065002
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0480000004
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.122000001
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.1239999998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.509000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.29100001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-447.415009
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-391.990997
MtrCtrl_MtrlmpedDax_Ohm_M_f32[0]	0.114
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.0860000029
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.104000002
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.00600000005

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.213		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.442000002		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	451.035004		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	847.624023		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-19.4680004		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-24.3309994		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	30.6930008		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	0.219999999		
MtrCtrl_Vecu_Volt_M_f32[0]	24.8479996		
MtrCtrl_Vecu_Volt_M_f32[1]	27.2080002		
MtrCurrDaxPrevIntg_Volt_M_f32	24.7740002		
MtrCurrDaxRef_Amp_M_f32[0]	140.470001		
MtrCurrDaxRef_Amp_M_f32[1]	93.5790024		
MtrCurrQaxCog_Amp_M_f32	-8.45100021		
MtrCurrQaxPrevIntg_Volt_M_f32	5.45940018		
MtrCurrQaxRef_Amp_M_f32[0]	-208.287994		
MtrCurrQaxRef_Amp_M_f32[1]	-27.9839993		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	1.84300005		
MtrPosComputationDelay_Rad_M_f32[1]	-1.47350001		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.127000004		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0109999999		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.860000014		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.594299972		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.179000005		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-717.299988		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	30983.1992		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.636799991		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-717.299988		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	30983.1992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.636799991		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	7975.79004		
k_DualEcuSignalScfFacSlew_UlspS_f32	25.6000004		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	3201.42993		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0209999997		
k_MtrCtrlVirtualResQax_Ohm_f32	0.101999998		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	7.56930017		
k_MtrVoltDaxIntegLoLim_Volt_f32	-2.5999999		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	18.6809006		
k_MtrVoltQaxIntegLoLim_Volt_f32	-2.5999999		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	3.04200006		
k_VoltSatQaxPolyCoeff_Uls_f32	14.8559999		
k_deadtimeVScale_Uls_f32	0.984000027		
t_CommOffsetTblX_Uls_u3p13[0]	1262		
t_CommOffsetTblX_Uls_u3p13[1]	5333		
t_CommOffsetTblY_Cnt_u16[0]	311		
t_CommOffsetTblY_Cnt_u16[1]	1141		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-124.758003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3668		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-96.3310013		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	3668	3668	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-199.83699	-199.83699 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-4.38888121	-4.38888121 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	2.22353935	2.22353911 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	7730	7730 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	7.56930017	7.56930017	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0142000001	0.0142000001 ± 0.0625	✓

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PICurrCntrl_Per1



T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1		✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1		✓
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1		✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1		✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1		✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc	1		✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1		✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1		✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1		✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1		✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1		✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1		✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16					

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PICurrCntrl_Per1

Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.902100027		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.675000012		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	8419.69043		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.634800017		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	8419.69043		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.634800017		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6857.12012		
k_DualEcuSignalScfFacSlew_UlspS_f32	26.7999992		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	2799.87988		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.0289999992		
k_MtrCtrlVirualResQax_Ohm_f32	0.188999996		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	18.2152004		
k_MtrVoltDaxIntegLoLim_Volt_f32	-3.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	18.2434006		
k_MtrVoltQaxIntegLoLim_Volt_f32	3.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	12.026		
k_VoltSatQaxPolyCoeff_Uls_f32	-23.2660007		
k_deadtimeVScale_Uls_f32	0.999000013		
t_CommOffsetTblX_Uls_u3p13[0]	4342		
t_CommOffsetTblX_Uls_u3p13[1]	7724		
t_CommOffsetTblY_Cnt_u16[0]	1124		
t_CommOffsetTblY_Cnt_u16[1]	1178		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3317		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	3.89299989		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	3317	3317	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-48.5050049	-48.5050049 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	4.99151659	4.99151707 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-0.186503217	-0.186503321 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	20001	20001 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.00865000021	0.00865000021 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.17 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_lvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_lvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-82.2979965
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	46.8180008
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.114
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00600000005
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0710000023
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.057
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.15900004
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.762000024
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	1024
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	1024
MtrCtrl_MtrlmpedDax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.0270000007
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.120999999
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.0909999982
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.87699997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.648999989
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-603.161987
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-712.994019
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-7.3130002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	3.05299997
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-11.3319998
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-5.40700006
MtrCtrl_Vecu_Volt_M_f32[0]	16.4099998
MtrCtrl_Vecu_Volt_M_f32[1]	18.7700005
MtrCurrDaxPrevIntg_Volt_M_f32	-24.1620007
MtrCurrDaxRef_Amp_M_f32[0]	-132.813004
MtrCurrDaxRef_Amp_M_f32[1]	-9.14299965
MtrCurrQaxCog_Amp_M_f32	-51.1100006
MtrCurrQaxPrevIntg_Volt_M_f32	13.3757
MtrCurrQaxRef_Amp_M_f32[0]	67.4899979
MtrCurrQaxRef_Amp_M_f32[1]	119.721001
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.29579997
MtrPosComputationDelay_Rad_M_f32[1]	0.0511999987
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.423999995
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0130000003
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.395000011
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.712199986
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.651000023
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-38.7999992
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	12079.9004
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.298200011
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-38.7999992
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	12079.9004
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.298200011
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	3678.44995
k_DualEcuSignalScfFacSlew_UlspS_f32	28
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	7603.6001
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.0439999998
k_MtrCtrlVirtualResQax_Ohm_f32	0.166999996
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	30.1203003
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.5
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	8.95559978
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.5

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Name	Input Value		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	24.5209999		
k_VoltSatQaxPolyCoeff_Uls_f32	-20.1860008		
k_deadtimeVScale_Uls_f32	0.99000001		
t_CommOffsetTblX_Uls_u3p13[0]	1516		
t_CommOffsetTblX_Uls_u3p13[1]	5882		
t_CommOffsetTblY_Cnt_u16[0]	1813		
t_CommOffsetTblY_Cnt_u16[1]	183		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntri_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3803		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	45.3779984		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	3803	3803	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	118.599998	118.599998 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	-2.68405437	-2.68405461 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	-4.15912819	-4.15912867 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	14800	14800 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.0164999999	0.0164999999 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.18 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	160.044006
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	165.242004
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0759999976
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0719999969
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.116999999
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0860000029
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.25100005
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.801999986
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	0
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	0
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0529999994

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Name	Input Value		
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.0939999968		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0549999997		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.0489999987		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.414000005		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.66700006		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	158.016998		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-944.586975		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-8.79500008		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	27.5049992		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-15.8149996		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-9.85200024		
MtrCtrl_Vecu_Volt_M_f32[0]	14.2779999		
MtrCtrl_Vecu_Volt_M_f32[1]	16.6380005		
MtrCurrDaxPrevIntg_Volt_M_f32	30.7700005		
MtrCurrDaxRef_Amp_M_f32[0]	-146.173996		
MtrCurrDaxRef_Amp_M_f32[1]	-213.335007		
MtrCurrQaxCog_Amp_M_f32	76.5339966		
MtrCurrQaxPrevIntg_Volt_M_f32	10.9584999		
MtrCurrQaxRef_Amp_M_f32[0]	37.4550018		
MtrCurrQaxRef_Amp_M_f32[1]	-2.84500003		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-2.84590006		
MtrPosComputationDelay_Rad_M_f32[1]	1.55879998		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.347000003		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0140000004		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.470999986		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.676199973		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.307999998		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-657.099976		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	20.7000008		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	47476.6016		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.333499998		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-657.099976		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	20.7000008		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	47476.6016		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.333499998		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	2757.25		
k_DualEcuSignalScfFacSlew_UlspS_f32	29.2000008		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	7944.70996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.104999997		
k_MtrCtrlVirualResQax_Ohm_f32	0.0839999989		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	6.46549988		
k_MtrVoltDaxIntegLoLim_Volt_f32	-6.5999999		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	1.87349999		
k_MtrVoltQaxIntegLoLim_Volt_f32	-6.5999999		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	20.5340004		
k_VoltSatQaxPolyCoeff_Uls_f32	-22.2229996		
k_deadtimeVScale_Uls_f32	0.952000022		
t_CommOffsetTblX_Uls_u3p13[0]	1188		
t_CommOffsetTblX_Uls_u3p13[1]	7029		
t_CommOffsetTblY_Cnt_u16[0]	422		
t_CommOffsetTblY_Cnt_u16[1]	1383		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	1.62199998		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4003		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	103.652		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	4003	4003	✓
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-79.3789978	-79.3789978 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	27.5049992	27.5049992 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-9.85200024	-9.85200024 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	36230	36230 ± 1.52588E-05	✓

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Name	Actual Value	Expected Value	Result
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntl_DualEcuFailSciFac_Uls_M_f32	0.0103500001	0.0103500001 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSciFac	1	LoaMtgnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.19 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBuflIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-65.1900024
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-216.972
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0130000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0759999976
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0610000007
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0989999995
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.4600000008
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.10699999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-980.567993
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-630.098022
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0170000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0410000011
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0350000001
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.119999997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.87699997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.648999989
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	764.937988
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-605.708008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-22.3460007
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-17.8169994
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.7189999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-12.0450001
MtrCtrl_Vecu_Volt_M_f32[0]	22.3540001
MtrCtrl_Vecu_Volt_M_f32[1]	24.7140007
MtrCurrDaxPrevIntg_Volt_M_f32	11.6429996
MtrCurrDaxRef_Amp_M_f32[0]	-91.4420013
MtrCurrDaxRef_Amp_M_f32[1]	133.692993
MtrCurrQaxCog_Amp_M_f32	-161.751999
MtrCurrQaxPrevIntg_Volt_M_f32	4.84670019
MtrCurrQaxRef_Amp_M_f32[0]	94.3150024
MtrCurrQaxRef_Amp_M_f32[1]	37.4959984
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-1.80789995
MtrPosComputationDelay_Rad_M_f32[1]	1.37609994

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Name	Input Value		
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.768000007		
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.0149999997		
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.610000014		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.385100007		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.82099998		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-340.130005		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	3431.37012		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.870999992		
PICurrCntrl_MtrVoltQaxFFfilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFfilt_M_str.PrevOutput_Uls_f32	-340.130005		
PICurrCntrl_MtrVoltQaxFFfilt_M_str.TermN_Uls_f32	3431.37012		
PICurrCntrl_MtrVoltQaxFFfilt_M_str.TermD_Uls_f32	0.870999992		
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	3636.04004		
k_DualEcuSignalSciFacSlew_UlspS_f32	30.3999996		
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	902.40802		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.023		
k_MtrCtrlVirtualResQax_Ohm_f32	0.158000007		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	13.1237001		
k_MtrVoltDaxIntegLoLim_Volt_f32	-7.19999981		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	22.1184998		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.5999999		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	24.6590004		
k_VoltSatQaxPolyCoeff_Uls_f32	0.441000015		
k_deadtimeVScale_Uls_f32	0.996999979		
t_CommOffsetTblX_Uls_u3p13[0]	786		
t_CommOffsetTblX_Uls_u3p13[1]	5267		
t_CommOffsetTblY_Cnt_u16[0]	267		
t_CommOffsetTblY_Cnt_u16[1]	723		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1231		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	99.348999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1231	1231	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-4.15818071	-4.15818119 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	2.74950099	2.74950123 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	36389	36389 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	13.1237001	13.1237001	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.0187999997	0.0187999997 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.20 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-208.287994
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-27.9839993
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0869999975
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00700000022
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.123000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.62199998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	376.326996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	721.965027
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.107000001
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0109999999
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0520000011
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.00800000038
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.558000028
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.483999997
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	614.892029
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	1012.16998
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	15.5469999
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-22.8390007
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-29.7110004
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	3.61899996
MtrCtrl_Vecu_Volt_M_f32[0]	14.2779999
MtrCtrl_Vecu_Volt_M_f32[1]	16.6380005
MtrCurrDaxPrevIntg_Volt_M_f32	27.9990005
MtrCurrDaxRef_Amp_M_f32[0]	106.072998
MtrCurrDaxRef_Amp_M_f32[1]	-112.455002
MtrCurrQaxCog_Amp_M_f32	131.306
MtrCurrQaxPrevIntg_Volt_M_f32	22.6445999
MtrCurrQaxRef_Amp_M_f32[0]	-108.124001
MtrCurrQaxRef_Amp_M_f32[1]	178.639008
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.47379994
MtrPosComputationDelay_Rad_M_f32[1]	2.7420001
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.247999996
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0160000008
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.602999985

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.106299996		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.317000002		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	22.2399998		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	13842.5		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.916499972		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	0		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	22.2399998		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	13842.5		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.916499972		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	4450.8501		
k_DualEcuSignalScfFacSlew_UlspS_f32	31.6000004		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	2508.87012		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.189999998		
k_MtrCtrlVirualResQax_Ohm_f32	0.118000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	26.2252998		
k_MtrVoltDaxIntegLoLim_Volt_f32	-8.19999981		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	18.4771004		
k_MtrVoltQaxIntegLoLim_Volt_f32	-5.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	10.3699999		
k_VoltSatQaxPolyCoeff_Uls_f32	11.9610004		
k_deadtimeVScale_Uls_f32	0.985000014		
t_CommOffsetTblX_Uls_u3p13[0]	1729		
t_CommOffsetTblX_Uls_u3p13[1]	3269		
t_CommOffsetTblY_Cnt_u16[0]	502		
t_CommOffsetTblY_Cnt_u16[1]	707		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-41.5750008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	727		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	41.1769981		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	707	707	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	64552	64552 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	6.52048111	6.52048111 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-12.4609261	-12.4609261 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	53542	53542 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.012050001	0.012050001 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgEna_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgEna_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgEnaScfFac	1	LoaMtgEnaScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.21 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-65.1900024
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-216.972
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0130000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0759999976
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0610000007
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0989999995
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.460000008
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.10699999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-229.300995
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-277.625
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0170000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0410000011
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0350000001
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.119999997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	764.937988
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-605.708008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-22.3460007
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-17.8169994
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.7189999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-12.0450001
MtrCtrl_Vecu_Volt_M_f32[0]	20.2549992
MtrCtrl_Vecu_Volt_M_f32[1]	22.6149998
MtrCurrDaxPrevIntg_Volt_M_f32	11.6429996
MtrCurrDaxRef_Amp_M_f32[0]	-91.4420013
MtrCurrDaxRef_Amp_M_f32[1]	133.692993
MtrCurrQaxCog_Amp_M_f32	-161.751999
MtrCurrQaxPrevIntg_Volt_M_f32	6.56619978
MtrCurrQaxRef_Amp_M_f32[0]	94.3150024
MtrCurrQaxRef_Amp_M_f32[1]	37.4959984
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-1.15460002
MtrPosComputationDelay_Rad_M_f32[1]	-2.14849997
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.768000007
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0170000009
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.610000014
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.495900005
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.82099998
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	0
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	46503.6992
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.730000019
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	0
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	46503.6992
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.730000019
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	3636.04004
k_DualEcuSignalScfFacSlew_UlspS_f32	32.7999992
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	902.40802
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.023
k_MtrCtrlVirtualResQax_Ohm_f32	0.158000007
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	29.5695
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.19999981
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	14.8902998
k_MtrVoltQaxIntegLoLim_Volt_f32	-6.5
k_MtrVoltVecuFiltEnable_Cnt_Igc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	24.6590004		
k_VoltSatQaxPolyCoeff_Uls_f32	0.441000015		
k_deadtimeVScale_Uls_f32	0.996999979		
t_CommOffsetTblX_Uls_u3p13[0]	786		
t_CommOffsetTblX_Uls_u3p13[1]	5267		
t_CommOffsetTblY_Cnt_u16[0]	267		
t_CommOffsetTblY_Cnt_u16[1]	723		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	-126.640999		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1231		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	99.348999		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	1231	1231	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	-1.81267118	-1.81267118 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	4.64375353	4.64375353 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	49611	49611 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	29.5695	29.5695	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.0211000014	0.0211000014 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.22 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-65.1900024
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-216.972
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0130000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0759999976
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0610000007
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0989999995
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.460000008
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.10699999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-980.567993
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-630.098022
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0170000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0410000011

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PICurrCntrl_Per1

Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0350000001		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.119999997		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	2		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	2		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	764.937988		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-605.708008		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-22.3460007		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-17.8169994		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.7189999		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-12.0450001		
MtrCtrl_Vecu_Volt_M_f32[0]	13.085		
MtrCtrl_Vecu_Volt_M_f32[1]	15.4449997		
MtrCurrDaxPrevIntg_Volt_M_f32	11.6429996		
MtrCurrDaxRef_Amp_M_f32[0]	-91.4420013		
MtrCurrDaxRef_Amp_M_f32[1]	133.692993		
MtrCurrQaxCog_Amp_M_f32	-161.751999		
MtrCurrQaxPrevIntg_Volt_M_f32	8.98110008		
MtrCurrQaxRef_Amp_M_f32[0]	94.3150024		
MtrCurrQaxRef_Amp_M_f32[1]	37.4959984		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-1.81869996		
MtrPosComputationDelay_Rad_M_f32[1]	1.82729995		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.768000007		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0179999992		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.610000014		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.72359997		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.82099998		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	42029.6016		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.316399992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	42029.6016		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.316399992		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	3636.04004		
k_DualEcuSignalScfFacSlew_UlspS_f32	34		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	902.40802		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.023		
k_MtrCtrlVirualResQax_Ohm_f32	0.158000007		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	2.74320006		
k_MtrVoltDaxIntegLoLim_Volt_f32	-10.1999998		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	12.4398003		
k_MtrVoltQaxIntegLoLim_Volt_f32	-7.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	24.6590004		
k_VoltSatQaxPolyCoeff_Uls_f32	0.441000015		
k_deadtimeVScale_Uls_f32	0.996999979		
t_CommOffsetTblX_Uls_u3p13[0]	786		
t_CommOffsetTblX_Uls_u3p13[1]	5267		
t_CommOffsetTblY_Cnt_u16[0]	267		
t_CommOffsetTblY_Cnt_u16[1]	723		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1231		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	99.348999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1231	1231	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-4.21291018	-4.21291018 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	2.66488457	2.66488481 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	36065	36065 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	2.74320006	2.74320006	✔

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PICurrCntl_Per1

Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.013749999	0.013749999 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModlDx_Uls_u16p16	1	MtrCntl_Write_ModlDx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.23 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-208.287994
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-27.9839993
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0869999975
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0070000022
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.123000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.62199998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	376.326996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	721.965027
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.107000001
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.0109999999
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0520000011
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.00800000038
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.558000028
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.483999997
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	614.892029
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	1012.16998
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	15.5469999
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-22.8390007
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-29.7110004
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	3.61899996
MtrCtrl_Vecu_Volt_M_f32[0]	25.4869995
MtrCtrl_Vecu_Volt_M_f32[1]	27.8470001
MtrCurrDaxPrevIntg_Volt_M_f32	27.9990005
MtrCurrDaxRef_Amp_M_f32[0]	106.072998
MtrCurrDaxRef_Amp_M_f32[1]	-112.455002
MtrCurrQaxCog_Amp_M_f32	131.306
MtrCurrQaxPrevIntg_Volt_M_f32	30.6711006
MtrCurrQaxRef_Amp_M_f32[0]	-108.124001
MtrCurrQaxRef_Amp_M_f32[1]	178.639008
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.97160006
MtrPosComputationDelay_Rad_M_f32[1]	1.66129994
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.247999996

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Name	Input Value		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0189999994		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.602999985		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0351000018		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.317000002		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	267.119995		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	17234.5		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.71329999		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	267.119995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	17234.5		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.71329999		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	4450.8501		
k_DualEcuSignalScfFacSlew_UlspS_f32	35.2000008		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	2508.87012		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.189999998		
k_MtrCtrlVirtualResQax_Ohm_f32	0.118000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	29.1569004		
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.1999998		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	28.1117992		
k_MtrVoltQaxIntegLoLim_Volt_f32	-2.5999999		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	10.3699999		
k_VoltSatQaxPolyCoeff_Uls_f32	11.9610004		
k_deadtimeVScale_Uls_f32	0.985000014		
t_CommOffsetTblX_Uls_u3p13[0]	1729		
t_CommOffsetTblX_Uls_u3p13[1]	3269		
t_CommOffsetTblY_Cnt_u16[0]	502		
t_CommOffsetTblY_Cnt_u16[1]	707		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-41.5750008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	727		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	41.1769981		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	707	707	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	64552	64552 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	11.63941	11.63941 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-22.2434235	-22.2434235 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	58734	58734 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0233999994	0.0233999994 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓	

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PICurrCntrl_Per1

Test Step 2.24 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	31.5869999
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-186.395996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0610000007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0579999983
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0309999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0329999998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.722
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.82299995
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	888.947998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-292.006989
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0120000001
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0560000017
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.050999999
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.061999999
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.93700004
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.0850000009
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-1024
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-1024
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	9.61999989
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	26.7999992
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	3.45499992
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-19.1830006
MtrCtrl_Vecu_Volt_M_f32[0]	16.8080006
MtrCtrl_Vecu_Volt_M_f32[1]	19.1679993
MtrCurrDaxPrevIntg_Volt_M_f32	4.04500008
MtrCurrDaxRef_Amp_M_f32[0]	24.6130009
MtrCurrDaxRef_Amp_M_f32[1]	-20.9400005
MtrCurrQaxCog_Amp_M_f32	19.6149998
MtrCurrQaxPrevIntg_Volt_M_f32	16.8353996
MtrCurrQaxRef_Amp_M_f32[0]	-76.8769989
MtrCurrQaxRef_Amp_M_f32[1]	-153.238998
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.20709991
MtrPosComputationDelay_Rad_M_f32[1]	-1.83399999
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.463999987
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0199999996
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.409000009
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.794099987
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.640999973
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-717.299988
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	267.119995
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	20241.6992
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.221200004
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-717.299988
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	267.119995
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	20241.6992
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.221200004
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	897.588013
k_DualEcuSignalScfFacSlew_UlspS_f32	36.4000015
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	1232.52002
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.182999998
k_MtrCtrlVirtualResQax_Ohm_f32	0.193000004
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	17.7555008
k_MtrVoltDaxIntegLoLim_Volt_f32	-12.1999998
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	22.5324993
k_MtrVoltQaxIntegLoLim_Volt_f32	-3.5

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Name	Input Value		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-20.6259995		
k_VoltSatQaxPolyCoeff_Uls_f32	1.32299995		
k_deadtimeVScale_Uls_f32	0.981000006		
t_CommOffsetTblX_Uls_u3p13[0]	2556		
t_CommOffsetTblX_Uls_u3p13[1]	4316		
t_CommOffsetTblY_Cnt_u16[0]	15		
t_CommOffsetTblY_Cnt_u16[1]	40		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntri_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntri_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntri_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	48.8400002		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3024		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	-30.7789993		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	40	40	✓
MtrCntri_Write_ModIdx_Uls_u16p16(val)	64290	64290 ± 1	✓
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-96.4919968	-96.4919968 ± 7.81E-03	✓
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	-6.91692209	-6.91692162 ± 4.88E-04	✓
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	14.9676905	14.9676895 ± 4.88E-04	✓
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	18506	18506 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.0154499989	0.0154499989 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.25 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-133.947006
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	75.7020035
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0320000015
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0869999975
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0579999983
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0500000007
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.34800005
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.11099994
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-942.771973
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-380.85199
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0939999968
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0879999995
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0960000008

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.103		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.35000002		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.749000013		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	1024		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	1024		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-29.3530006		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	27.3040009		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	26.4720001		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	6.0999999		
MtrCtrl_Vecu_Volt_M_f32[0]	5.56799984		
MtrCtrl_Vecu_Volt_M_f32[1]	7.92799997		
MtrCurrDaxPrevIntg_Volt_M_f32	15.0869999		
MtrCurrDaxRef_Amp_M_f32[0]	-166.035004		
MtrCurrDaxRef_Amp_M_f32[1]	183.065002		
MtrCurrQaxCog_Amp_M_f32	114.531998		
MtrCurrQaxPrevIntg_Volt_M_f32	5.42920017		
MtrCurrQaxRef_Amp_M_f32[0]	191.369003		
MtrCurrQaxRef_Amp_M_f32[1]	107.137001		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-2.30049992		
MtrPosComputationDelay_Rad_M_f32[1]	-3.12019992		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.600000024		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0209999997		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.899999976		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.179199994		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.257999986		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	404.899994		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	46120.5		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.578299999		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	404.899994		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	46120.5		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.578299999		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	2048.80005		
k_DualEcuSignalScfFacSlew_UlspS_f32	37.5999985		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	3548.88989		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.0790000036		
k_MtrCtrlVirualResQax_Ohm_f32	0.177000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	2.39529991		
k_MtrVoltDaxIntegLoLim_Volt_f32	-13.1999998		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	13.2297001		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	21.0030003		
k_VoltSatQaxPolyCoeff_Uls_f32	-9.26399994		
k_deadtimeVScale_Uls_f32	0.950999975		
t_CommOffsetTblX_Uls_u3p13[0]	1810		
t_CommOffsetTblX_Uls_u3p13[1]	2335		
t_CommOffsetTblY_Cnt_u16[0]	157		
t_CommOffsetTblY_Cnt_u16[1]	712		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	107.702003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4540		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	4540	4540	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-7.39499664	-7.39499664 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	4.1729908	4.1729908 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-29.184164	-29.184164 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	64278	64278 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0.910027504	0.910027981	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0256999992	0.0256999992 ± 0.0625	✔

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Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.26 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-105.246002
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	41.6290016
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.108000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0820000023
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0979999974
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0850000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.266000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.08399999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-150.298996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-165.235001
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0649999976
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.100000001
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.112000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0930000022
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.91199994
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.56400001
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	0
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	0
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-6.06799984
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-7.83199978
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	14.4589996
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-5.13000011
MtrCtrl_Vecu_Volt_M_f32[0]	17.9899998
MtrCtrl_Vecu_Volt_M_f32[1]	20.3500004
MtrCurrDaxPrevIntg_Volt_M_f32	-9.29100037
MtrCurrDaxRef_Amp_M_f32[0]	140.289001
MtrCurrDaxRef_Amp_M_f32[1]	178.235992
MtrCurrQaxCog_Amp_M_f32	34.7879982
MtrCurrQaxPrevIntg_Volt_M_f32	26.5946007
MtrCurrQaxRef_Amp_M_f32[0]	-147.343002
MtrCurrQaxRef_Amp_M_f32[1]	127.972
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-3.06900001
MtrPosComputationDelay_Rad_M_f32[1]	0.784300029
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.509000003
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0219999999
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.446999997

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.8125		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.331999987		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-657.130005		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	865.320007		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	40399.6016		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0255999994		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-657.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	865.320007		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	40399.6016		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0255999994		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	3449.11011		
k_DualEcuSignalScfFacSlew_UlspS_f32	38.7999992		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	7870.1001		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.164000005		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0610000007		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	17.9570999		
k_MtrVoltDaxIntegLoLim_Volt_f32	-14.1999998		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	16.1431007		
k_MtrVoltQaxIntegLoLim_Volt_f32	-6.5999999		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-13.4589996		
k_VoltSatQaxPolyCoeff_Uls_f32	12.7139997		
k_deadtimeVScale_Uls_f32	0.981999993		
t_CommOffsetTblX_Uls_u3p13[0]	1360		
t_CommOffsetTblX_Uls_u3p13[1]	5743		
t_CommOffsetTblY_Cnt_u16[0]	1436		
t_CommOffsetTblY_Cnt_u16[1]	1891		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	5.72399998		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	808		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	177.046997		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1891	1891	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	64356	64356 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-182.130997	-182.130997 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-15.1034212	-15.1034212 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	9.1640892	9.1640892 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	22830	22830 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0171499997	0.0171499997 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.27 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0480000004
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0930000022
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0209999997
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0659999996
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.153
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.69299996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-43.257
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-508.920013
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0549999997
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0979999974
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.125
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.00999999978
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.363999993
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.65900004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-185.072998
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-920.171997
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-22.0189991
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	13.2709999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.3130002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	3.05299997
MtrCtrl_Vecu_Volt_M_f32[0]	20.6809998
MtrCtrl_Vecu_Volt_M_f32[1]	23.0410004
MtrCurrDaxPrevIntg_Volt_M_f32	21.4680004
MtrCurrDaxRef_Amp_M_f32[0]	91.8850021
MtrCurrDaxRef_Amp_M_f32[1]	182.261002
MtrCurrQaxCog_Amp_M_f32	91.9309998
MtrCurrQaxPrevIntg_Volt_M_f32	18.1345997
MtrCurrQaxRef_Amp_M_f32[0]	6.18900013
MtrCurrQaxRef_Amp_M_f32[1]	83.0540009
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-1.16139996
MtrPosComputationDelay_Rad_M_f32[1]	-0.311699986
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.256999999
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.023
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.933000028
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0346999988
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.460000008
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-194.190002
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-657.099976
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	25640.4004
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.400000006
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-194.190002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-657.099976
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	25640.4004
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.400000006
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	876.684998
k_DualEcuSignalScfFacSlew_UlspS_f32	40
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	2879.57007
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.00200000009
k_MtrCtrlVirtualResQax_Ohm_f32	0.0710000023
k_MtrCurrQaxRefModifDsb_Cnt_Igc	1
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	3.07459998
k_MtrVoltDaxIntegLoLim_Volt_f32	-15.1999998
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	5.46850014
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.5999999
k_MtrVoltVecuFiltEnable_Cnt_Igc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	10.7320004		
k_VoltSatQaxPolyCoeff_Uls_f32	3.59299994		
k_deadtimeVScale_Uls_f32	0.959999979		
t_CommOffsetTblX_Uls_u3p13[0]	4701		
t_CommOffsetTblX_Uls_u3p13[1]	5063		
t_CommOffsetTblY_Cnt_u16[0]	155		
t_CommOffsetTblY_Cnt_u16[1]	873		
target_MtrCntri_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr	0		
target_MtrCntri_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr	0		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_Igc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr	0		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	59.3040009		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	650		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	-9.31999969		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	650	650	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-85.7419968	-85.7419968 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	0.138330251	0.138330266 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	4.79800606	4.79800606 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	53723	53723 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.0280000009	0.0280000009 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.28 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0680000037
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.063000001
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0719999969
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0289999992
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.75100005
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.246999994
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	292.062988
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	884.252991
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.104000002
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.063000001

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.114		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0860000029		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.74000001		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.890999973		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	260.899994		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	994.27301		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-8.32400036		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-26.5540009		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-8.79500008		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	27.5049992		
MtrCtrl_Vecu_Volt_M_f32[0]	14.2779999		
MtrCtrl_Vecu_Volt_M_f32[1]	16.6380005		
MtrCurrDaxPrevIntg_Volt_M_f32	24.8929996		
MtrCurrDaxRef_Amp_M_f32[0]	-218.035004		
MtrCurrDaxRef_Amp_M_f32[1]	11.6370001		
MtrCurrQaxCog_Amp_M_f32	21.4759998		
MtrCurrQaxPrevIntg_Volt_M_f32	28.968399		
MtrCurrQaxRef_Amp_M_f32[0]	-105.246002		
MtrCurrQaxRef_Amp_M_f32[1]	41.6290016		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-1.21449995		
MtrPosComputationDelay_Rad_M_f32[1]	2.99020004		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.950999975		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0240000002		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.626999974		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.899699986		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.944000006		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	386.220001		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	570.700012		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	35039		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.588		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	386.220001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	35039		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.588		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	5931.81982		
k_DualEcuSignalScfFacSlew_UlspS_f32	41.2000008		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	3685.94995		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.112000003		
k_MtrCtrlVirualResQax_Ohm_f32	0.0540000014		
k_MtrCurrQaxRefModifDsb_Cnt_Igc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	1.05350006		
k_MtrVoltDaxIntegLoLim_Volt_f32	-16.5		
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	14.8121996		
k_MtrVoltQaxIntegLoLim_Volt_f32	-5.5		
k_MtrVoltVecuFiltEnable_Cnt_Igc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	2.45499992		
k_VoltSatQaxPolyCoeff_Uls_f32	16.9769993		
k_deadtimeVScale_Uls_f32	0.961000025		
t_CommOffsetTblX_Uls_u3p13[0]	2294		
t_CommOffsetTblX_Uls_u3p13[1]	6390		
t_CommOffsetTblY_Cnt_u16[0]	11		
t_CommOffsetTblY_Cnt_u16[1]	125		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	20.6149998		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	631		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-161.352005		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	125	125	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	62980	62980 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-126.722	-126.722 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-9.57793808	-9.57793903 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	9.82513428	9.82513523 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	44809	44809 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔

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PICurrCntl_Per1

Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.0188499987	0.0188499987 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.29 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0480000004
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0930000022
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0209999997
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0659999996
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.153
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.69299996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-43.257
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-508.920013
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0549999997
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0979999974
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.125
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.00999999978
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.363999993
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.65900004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	185.072998
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-920.171997
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-22.0189991
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	13.2709999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.3130002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	3.05299997
MtrCtrl_Vecu_Volt_M_f32[0]	22.3540001
MtrCtrl_Vecu_Volt_M_f32[1]	24.7140007
MtrCurrDaxPrevIntg_Volt_M_f32	21.4680004
MtrCurrDaxRef_Amp_M_f32[0]	91.8850021
MtrCurrDaxRef_Amp_M_f32[1]	182.261002
MtrCurrQaxCog_Amp_M_f32	91.9309998
MtrCurrQaxPrevIntg_Volt_M_f32	9.05210018
MtrCurrQaxRef_Amp_M_f32[0]	6.18900013
MtrCurrQaxRef_Amp_M_f32[1]	83.0540009
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-3.1400001
MtrPosComputationDelay_Rad_M_f32[1]	-3.1400001
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.256999999
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.0250000004
PICurrCntl_InverterFailScfFac_Uls_M_f32	0.933000028

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PICurrCntrl_Per1

Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.786800027		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.460000008		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-784.130005		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	36325.3984		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.365999997		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-784.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	0		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	36325.3984		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.365999997		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	876.684998		
k_DualEcuSignalScfFacSlew_UlspS_f32	42.4000015		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	2879.57007		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.00200000009		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0710000023		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	29.9500999		
k_MtrVoltDaxIntegLoLim_Volt_f32	-17.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	27.7511997		
k_MtrVoltQaxIntegLoLim_Volt_f32	-6.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	10.7320004		
k_VoltSatQaxPolyCoeff_Uls_f32	3.59299994		
k_deadtimeVScale_Uls_f32	0.959999979		
t_CommOffsetTblX_Uls_u3p13[0]	4701		
t_CommOffsetTblX_Uls_u3p13[1]	5063		
t_CommOffsetTblY_Cnt_u16[0]	155		
t_CommOffsetTblY_Cnt_u16[1]	873		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.3040009		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	650		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-9.31999969		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	650	650	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-85.7419968	-85.7419968 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-0.185179308	-0.185179353 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.7964263	-4.7964263 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	419	419 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0303000007	0.0303000007 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓	
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓	
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓	

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PICurrCntrl_Per1

Test Step 2.30 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc_Val	target_MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0680000037
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.063000001
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0719999969
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0289999992
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.75100005
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.246999994
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	292.062988
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	884.252991
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.104000002
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.063000001
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.114
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0860000029
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.74000001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.890999973
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-260.899994
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-994.27301
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-8.32400036
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-26.5540009
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-8.79500008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	27.5049992
MtrCtrl_Vecu_Volt_M_f32[0]	14.2779999
MtrCtrl_Vecu_Volt_M_f32[1]	16.6380005
MtrCurrDaxPrevIntg_Volt_M_f32	24.8929996
MtrCurrDaxRef_Amp_M_f32[0]	-218.035004
MtrCurrDaxRef_Amp_M_f32[1]	11.6370001
MtrCurrQaxCog_Amp_M_f32	21.4759998
MtrCurrQaxPrevIntg_Volt_M_f32	16.3929005
MtrCurrQaxRef_Amp_M_f32[0]	-105.246002
MtrCurrQaxRef_Amp_M_f32[1]	41.6290016
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	3.1400001
MtrPosComputationDelay_Rad_M_f32[1]	3.1400001
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.950999975
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.0260000005
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.626999974
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0658000037
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.944000006
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	947.73999
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	0
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	10763.7002
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.228200004
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	947.73999
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	0
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	10763.7002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.228200004
k_CLOAFdbckSignalSciFacSlew_UlspS_f32	5931.81982
k_DualEcuSignalSciFacSlew_UlspS_f32	43.5999985
k_ILOAFdbckSignalSciFacSlew_UlspS_f32	3685.94995
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.112000003
k_MtrCtrlVirtualResQax_Ohm_f32	0.0540000014
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	14.7652998
k_MtrVoltDaxIntegLoLim_Volt_f32	-18.5
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	14.1267004
k_MtrVoltQaxIntegLoLim_Volt_f32	-7.5

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Name	Input Value		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	2.45499992		
k_VoltSatQaxPolyCoeff_Uls_f32	16.9769993		
k_deadtimeVScale_Uls_f32	0.961000025		
t_CommOffsetTblX_Uls_u3p13[0]	2294		
t_CommOffsetTblX_Uls_u3p13[1]	6390		
t_CommOffsetTblY_Cnt_u16[0]	11		
t_CommOffsetTblY_Cnt_u16[1]	125		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntri_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntri_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	20.6149998		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	631		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	-161.352005		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	125	125	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	62980	62980 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-126.722	-126.722 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	-7.34835768	-7.34835768 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	-11.5875702	-11.5875702 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	5878	5878 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.0205500014	0.0205500014 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.31 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	205.820999
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-206.792007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0120000001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0710000023
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0270000007
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0149999997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.898999989
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.23500001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-113.670998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-827.208008
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0270000007
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0920000002
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0960000008

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.010999999		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.53100002		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.80499995		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-277.385986		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-517.232971		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	3.87299991		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	19.2730007		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-22.3460007		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-17.8169994		
MtrCtrl_Vecu_Volt_M_f32[0]	20.2549992		
MtrCtrl_Vecu_Volt_M_f32[1]	22.6149998		
MtrCurrDaxPrevIntg_Volt_M_f32	-29.7089996		
MtrCurrDaxRef_Amp_M_f32[0]	-216.921997		
MtrCurrDaxRef_Amp_M_f32[1]	-184.923996		
MtrCurrQaxCog_Amp_M_f32	-124.709999		
MtrCurrQaxPrevIntg_Volt_M_f32	3.45029998		
MtrCurrQaxRef_Amp_M_f32[0]	-213.026993		
MtrCurrQaxRef_Amp_M_f32[1]	-66.7229996		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	0		
MtrPosComputationDelay_Rad_M_f32[1]	0		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.735000014		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0270000007		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.151999995		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.199900001		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.30399999		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	269.399994		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	13385.9004		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.58950001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	269.399994		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	13385.9004		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.58950001		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	1279.38		
k_DualEcuSignalScfFacSlew_UlspS_f32	44.7999992		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	4881.5498		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.075000003		
k_MtrCtrlVirualResQax_Ohm_f32	0.0209999997		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	24.2935009		
k_MtrVoltDaxIntegLoLim_Volt_f32	-6.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	15.1322002		
k_MtrVoltQaxIntegLoLim_Volt_f32	-2.5999999		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-10.7220001		
k_VoltSatQaxPolyCoeff_Uls_f32	-13.0010004		
k_deadtimeVScale_Uls_f32	0.992999971		
t_CommOffsetTblX_Uls_u3p13[0]	1827		
t_CommOffsetTblX_Uls_u3p13[1]	5226		
t_CommOffsetTblY_Cnt_u16[0]	1326		
t_CommOffsetTblY_Cnt_u16[1]	1829		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	79.6729965		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	416		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-205.514999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1829	1829	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	65077	65077 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-88.3169937	-88.3169937 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-1.22445941	-1.22445989 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-20.0759087	-20.0759068 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	33403	33403 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0326000005	0.0326000005 ± 0.0625	✔

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Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.32 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-69.0940018
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	161.973007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0179999992
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0460000001
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0759999976
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0240000002
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.43599999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.893999994
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	497.348999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-685.572998
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.123999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0790000036
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.00700000022
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0839999989
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.68299997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-594.544983
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	215.455994
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-30.1380005
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	0.920000017
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-23.448
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-24.9260006
MtrCtrl_Vecu_Volt_M_f32[0]	13.085
MtrCtrl_Vecu_Volt_M_f32[1]	15.4449997
MtrCurrDaxPrevIntg_Volt_M_f32	-9.7670002
MtrCurrDaxRef_Amp_M_f32[0]	-82.2979965
MtrCurrDaxRef_Amp_M_f32[1]	46.8180008
MtrCurrQaxCog_Amp_M_f32	-185.608994
MtrCurrQaxPrevIntg_Volt_M_f32	20.1585007
MtrCurrQaxRef_Amp_M_f32[0]	-212.632996
MtrCurrQaxRef_Amp_M_f32[1]	-205.085007
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.02589989
MtrPosComputationDelay_Rad_M_f32[1]	-0.209999993
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.989000022
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0280000009
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.867999971
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.249599993
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.578000009

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Name	Input Value		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-340.130005		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	39404.3984		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.423099995		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	-340.130005		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	39404.3984		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.423099995		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7139.7998		
k_DualEcuSignalScfFacSlew_UlspS_f32	46		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	5357.10986		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0689999983		
k_MtrCtrlVirtualResQax_Ohm_f32	0.063000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	11.7138004		
k_MtrVoltDaxIntegLoLim_Volt_f32	-2.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	7.54269981		
k_MtrVoltQaxIntegLoLim_Volt_f32	3.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-7.60300016		
k_VoltSatQaxPolyCoeff_Uls_f32	-11.1459999		
k_deadtimeVScale_Uls_f32	0.949999988		
t_CommOffsetTblX_Uls_u3p13[0]	2440		
t_CommOffsetTblX_Uls_u3p13[1]	3744		
t_CommOffsetTblY_Cnt_u16[0]	695		
t_CommOffsetTblY_Cnt_u16[1]	1480		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	0.486999989		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1059		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-118.848		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1059	1059	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-19.4760132	-19.4760132 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-27.5376549	-27.5376549 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	10.439353	10.439353 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	50741	50741 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	11.7138004	11.7138004	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0222500004	0.0222500004 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtnEna_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtnEna_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtnEna_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtnEna_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtnScfFac	1	LoaMtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.33 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-132.813004
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-9.14299965
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.114
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.66400003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.54200006
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	133.104004
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	671.512024
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0329999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0140000004
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.123000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.118000001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.107000001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.104000002
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	831.671021
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	382.882996
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-26.5079994
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	4.36100006
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	15.5469999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-22.8390007
MtrCtrl_Vecu_Volt_M_f32[0]	25.4869995
MtrCtrl_Vecu_Volt_M_f32[1]	27.8470001
MtrCurrDaxPrevIntg_Volt_M_f32	10.5640001
MtrCurrDaxRef_Amp_M_f32[0]	160.044006
MtrCurrDaxRef_Amp_M_f32[1]	165.242004
MtrCurrQaxCog_Amp_M_f32	163.561005
MtrCurrQaxPrevIntg_Volt_M_f32	15.6246996
MtrCurrQaxRef_Amp_M_f32[0]	205.820999
MtrCurrQaxRef_Amp_M_f32[1]	-206.792007
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	1.40170002
MtrPosComputationDelay_Rad_M_f32[1]	3.11820006
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.418000013
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0289999992
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.851999998
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0669999966
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0399999991
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-784.130005
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-717.299988
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	41423.8984
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.516300023
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-784.130005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-717.299988
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	41423.8984
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.516300023
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	1592.43005
k_DualEcuSignalScfFacSlew_UlspS_f32	47.2000008
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5074.45996
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	1
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.137999997
k_MtrCtrlVirtualResQax_Ohm_f32	0.172000006
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	8.20600033
k_MtrVoltDaxIntegLoLim_Volt_f32	-2.79999995
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	21.5585003
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.5
k_MtrVoltVecuFiltEnable_Cnt_Igc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-13.408		
k_VoltSatQaxPolyCoeff_Uls_f32	22.0909996		
k_deadtimeVScale_Uls_f32	0.973999977		
t_CommOffsetTblX_Uls_u3p13[0]	1614		
t_CommOffsetTblX_Uls_u3p13[1]	6513		
t_CommOffsetTblY_Cnt_u16[0]	170		
t_CommOffsetTblY_Cnt_u16[1]	1069		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-190.440994		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	361		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-72.4260025		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1069	1069	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63832	63832 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	25.2546139	25.2546101 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-9.89244843	-9.89244652 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	52802	52802 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0348999985	0.0348999985 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.34 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0480000004
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0930000022
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0209999997
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0659999996
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.0480000004
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.148
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-987.179016
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-952.34198
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.0549999997
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.0979999974
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.125
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.00999999978

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.40900004		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.56299996		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-247.072998		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-40.618		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-31		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-31		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.3130002		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	3.05299997		
MtrCtrl_Vecu_Volt_M_f32[0]	16.8080006		
MtrCtrl_Vecu_Volt_M_f32[1]	19.1679993		
MtrCurrDaxPrevIntg_Volt_M_f32	-21.3630009		
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024		
MtrCurrDaxRef_Amp_M_f32[1]	-216.972		
MtrCurrQaxCog_Amp_M_f32	91.9309998		
MtrCurrQaxPrevIntg_Volt_M_f32	20.7061996		
MtrCurrQaxRef_Amp_M_f32[0]	-69.0940018		
MtrCurrQaxRef_Amp_M_f32[1]	161.973007		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	1.49730003		
MtrPosComputationDelay_Rad_M_f32[1]	-2.9454		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.0839999989		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0299999993		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.887000024		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.235300004		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.460000008		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	386.220001		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	4218.1001		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.665600002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	386.220001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	4218.1001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.665600002		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	5847.47021		
k_DualEcuSignalScfFacSlew_UlspS_f32	48.4000015		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	1025.58997		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0179999992		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0780000016		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	12.6604004		
k_MtrVoltDaxIntegLoLim_Volt_f32	-3.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	22.7973995		
k_MtrVoltQaxIntegLoLim_Volt_f32	-6.5999999		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-4.08099985		
k_VoltSatQaxPolyCoeff_Uls_f32	7.89599991		
k_deadtimeVScale_Uls_f32	0.961000025		
t_CommOffsetTblX_Uls_u3p13[0]	1147		
t_CommOffsetTblX_Uls_u3p13[1]	4096		
t_CommOffsetTblY_Cnt_u16[0]	189		
t_CommOffsetTblY_Cnt_u16[1]	988		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	83.9489975		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3069		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	83.9489975		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	988	988	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	62980	62980 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	70.0420074	70.0420074 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	18.3921909	18.3921909 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	1.01989996	1.01990008 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	50621	50621 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	-3.5	-3.5	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0239499994	0.0239499994 ± 0.0625	✓

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.35 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0680000037
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.063000001
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0719999969
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0289999992
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.588999987
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.73000002
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-655.848999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-834.401001
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.104000002
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.063000001
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.114
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0860000029
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.720000029
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.65400004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	868.789001
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-349.798004
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	31
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	31
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-8.79500008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	27.5049992
MtrCtrl_Vecu_Volt_M_f32[0]	5.56799984
MtrCtrl_Vecu_Volt_M_f32[1]	7.92799997
MtrCurrDaxPrevIntg_Volt_M_f32	3.15400004
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	21.4759998
MtrCurrQaxPrevIntg_Volt_M_f32	28.3425999
MtrCurrQaxRef_Amp_M_f32[0]	-132.813004
MtrCurrQaxRef_Amp_M_f32[1]	-9.14299965
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.65140003
MtrPosComputationDelay_Rad_M_f32[1]	-1.56369996
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.499000013
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0309999995
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.825999975
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.904100001
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.944000006

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Name	Input Value		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-657.130005		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	21877.4004		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.363599986		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	-657.130005		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	21877.4004		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.363599986		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	1867.13		
k_DualEcuSignalScfFacSlew_UlspS_f32	49.5999985		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	506.598999		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.180999994		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0680000037		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	1.13619995		
k_MtrVoltDaxIntegLoLim_Volt_f32	-1.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	15.474		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.5999999		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	7.38500023		
k_VoltSatQaxPolyCoeff_Uls_f32	-23.0559998		
k_deadtimeVScale_Uls_f32	0.972000003		
t_CommOffsetTblX_Uls_u3p13[0]	3464		
t_CommOffsetTblX_Uls_u3p13[1]	6250		
t_CommOffsetTblY_Cnt_u16[0]	1218		
t_CommOffsetTblY_Cnt_u16[1]	1360		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-144.667007		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3103		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-144.667007		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1360	1360	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63700	63700 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-30.6189995	-30.6189995 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-7.32916069	-7.32916069 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-2.38035393	-2.38035417 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	29567	29567 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0372000001	0.0372000001 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.36 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	205.820999
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-206.792007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0120000001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0710000023
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0270000007
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0149999997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.5
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.47299999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-143.399002
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-302.690002
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0270000007
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0920000002
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0960000008
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0109999999
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.386999995
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.847
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-611.046997
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	804.908997
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	0
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	0
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-22.3460007
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-17.8169994
MtrCtrl_Vecu_Volt_M_f32[0]	17.9899998
MtrCtrl_Vecu_Volt_M_f32[1]	20.3500004
MtrCurrDaxPrevIntg_Volt_M_f32	17.5130005
MtrCurrDaxRef_Amp_M_f32[0]	-208.287994
MtrCurrDaxRef_Amp_M_f32[1]	-27.9839993
MtrCurrQaxCog_Amp_M_f32	-124.709999
MtrCurrQaxPrevIntg_Volt_M_f32	22.6252003
MtrCurrQaxRef_Amp_M_f32[0]	-146.173996
MtrCurrQaxRef_Amp_M_f32[1]	-213.335007
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.61339998
MtrPosComputationDelay_Rad_M_f32[1]	-1.96640003
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.959999979
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0320000015
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0370000005
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.339300007
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.30399999
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-10.21
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	33920.5
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.583899975
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-10.21
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	33920.5
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.583899975
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	211.854996
k_DualEcuSignalScfFacSlew_UlspS_f32	50.7999992
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	1900.18005
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	1
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.156000003
k_MtrCtrlVirtualResQax_Ohm_f32	0.142000005
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	13.5790997
k_MtrVoltDaxIntegLoLim_Volt_f32	-3.5999999
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	21.0468998
k_MtrVoltQaxIntegLoLim_Volt_f32	-5.5
k_MtrVoltVecuFiltEnable_Cnt_Igc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-10.6560001		
k_VoltSatQaxPolyCoeff_Uls_f32	6.90999985		
k_deadtimeVScale_Uls_f32	0.958999991		
t_CommOffsetTblX_Uls_u3p13[0]	6160		
t_CommOffsetTblX_Uls_u3p13[1]	6291		
t_CommOffsetTblY_Cnt_u16[0]	1130		
t_CommOffsetTblY_Cnt_u16[1]	1422		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-184.522003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	758		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	80.8180008		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1422	1422	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	62849	62849 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-21.4639969	-21.4639969 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-17.1976204	-17.1976204 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-1.37385917	-1.37386143 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	21062	21062 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0256500021	0.0256500021 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.37 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-69.0940018
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	161.973007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0179999992
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0460000001
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0759999976
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0240000002
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.53400004
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.579999983
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-341.976013
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-806.22998
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.123999998
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.0790000036
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.00700000022
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.0839999989

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.657000005		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.386000007		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	268.286011		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-542.14502		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-15.1960001		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-2.83699989		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-23.448		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-24.9260006		
MtrCtrl_Vecu_Volt_M_f32[0]	26.6809998		
MtrCtrl_Vecu_Volt_M_f32[1]	29.0410004		
MtrCurrDaxPrevIntg_Volt_M_f32	-17.0869999		
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999		
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996		
MtrCurrQaxCog_Amp_M_f32	-185.608994		
MtrCurrQaxPrevIntg_Volt_M_f32	15.4982004		
MtrCurrQaxRef_Amp_M_f32[0]	-91.4420013		
MtrCurrQaxRef_Amp_M_f32[1]	133.692993		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	1.40170002		
MtrPosComputationDelay_Rad_M_f32[1]	-3.11820006		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.63499999		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0329999998		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.819999993		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.874000013		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.578000009		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	386.220001		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	20769.3008		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.513000011		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	386.220001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	20769.3008		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.513000011		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	670.247986		
k_DualEcuSignalScfFacSlew_UlspS_f32	52		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	2501.06006		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.188999996		
k_MtrCtrlVirtualResQax_Ohm_f32	0.138999999		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	8.58329964		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.80000019		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	19.8449993		
k_MtrVoltQaxIntegLoLim_Volt_f32	-6.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	10.2069998		
k_VoltSatQaxPolyCoeff_Uls_f32	0.906000018		
k_deadtimeVScale_Uls_f32	0.975000024		
t_CommOffsetTblX_Uls_u3p13[0]	1016		
t_CommOffsetTblX_Uls_u3p13[1]	2286		
t_CommOffsetTblY_Cnt_u16[0]	110		
t_CommOffsetTblY_Cnt_u16[1]	537		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-197.354996		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1734		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-44.2579994		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1734	1734	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	94.1669922	94.1669922 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-0.0155182956	-0.0155182956 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	30.2249985	30.2249966 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	14615	14615 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0394999981	0.0394999981 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.38 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-132.813004
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-9.14299965
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.114
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.92999995
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.70000005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	524.476013
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-993.447021
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0329999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0140000004
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.123000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.118000001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.713999987
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.0410000011
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-823.801025
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-751.585022
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	4.92999983
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	14.6809998
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	15.5469999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-22.8390007
MtrCtrl_Vecu_Volt_M_f32[0]	16.882
MtrCtrl_Vecu_Volt_M_f32[1]	19.2420006
MtrCurrDaxPrevIntg_Volt_M_f32	-23.8190002
MtrCurrDaxRef_Amp_M_f32[0]	-133.947006
MtrCurrDaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxCog_Amp_M_f32	163.561005
MtrCurrQaxPrevIntg_Volt_M_f32	8.19719982
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.787003
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-3.01670003
MtrPosComputationDelay_Rad_M_f32[1]	2.24819994
PlCurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.141000003
PlCurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0340000018

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Name	Input Value		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0670000017		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.445899993		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0399999991		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-784.130005		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	38607.8008		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.00150000001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-784.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	38607.8008		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.00150000001		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	3129.08008		
k_DualEcuSignalScfFacSlew_UlspS_f32	53.2000008		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	51.4420013		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.104999997		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0329999998		
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	1.54809999		
k_MtrVoltDaxIntegLoLim_Volt_f32	-7.5		
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	14.2641001		
k_MtrVoltQaxIntegLoLim_Volt_f32	-7.5		
k_MtrVoltVecuFiltEnable_Cnt_Igc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	10.2329998		
k_VoltSatQaxPolyCoeff_Uls_f32	-11.7980003		
k_deadtimeVScale_Uls_f32	0.962000012		
t_CommOffsetTblX_Uls_u3p13[0]	1408		
t_CommOffsetTblX_Uls_u3p13[1]	3505		
t_CommOffsetTblY_Cnt_u16[0]	100		
t_CommOffsetTblY_Cnt_u16[1]	429		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	152.016006		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4045		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-40.9220009		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	429	429	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63045	63045 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	0.225997925	0.225997925 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	10.0092726	10.0092726 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-15.5712671	-15.5712671 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	50259	50259 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-7.5	-7.5	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.027350001	0.027350001 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	✓	
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc	1	MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	✓	
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓	

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Test Step 2.39 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-146.173996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-213.335007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.023
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.119000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0659999996
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.80900002
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.64300001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-495.540985
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-831.38501
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0869999975
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0329999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0700000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.71700001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.625
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	799.594971
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	445.729004
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	30.9510002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-20.6159992
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-31
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-31
MtrCtrl_Vecu_Volt_M_f32[0]	5.70200014
MtrCtrl_Vecu_Volt_M_f32[1]	8.06200027
MtrCurrDaxPrevIntg_Volt_M_f32	5.15299988
MtrCurrDaxRef_Amp_M_f32[0]	-105.246002
MtrCurrDaxRef_Amp_M_f32[1]	41.6290016
MtrCurrQaxCog_Amp_M_f32	-209.716003
MtrCurrQaxPrevIntg_Volt_M_f32	15.6709003
MtrCurrQaxRef_Amp_M_f32[0]	106.072998
MtrCurrQaxRef_Amp_M_f32[1]	-112.455002
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-1.76530004
MtrPosComputationDelay_Rad_M_f32[1]	1.05859995
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.699000001
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0350000001
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.828000009
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.369500011
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.476000011
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-194.190002
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	947.73999
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	21678.8008
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.862100005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-194.190002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	947.73999
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	21678.8008
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.862100005
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	3473.06006
k_DualEcuSignalScfFacSlew_UlspS_f32	54.4000015
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	466.734985
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.0130000003
k_MtrCtrlVirtualResQax_Ohm_f32	0.189999998
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	13.2995005
k_MtrVoltDaxIntegLoLim_Volt_f32	-2.5999999
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	17.0296993
k_MtrVoltQaxIntegLoLim_Volt_f32	-2.5999999
k_MtrVoltVecuFiltEnable_Cnt_Igc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	22.2140007		
k_VoltSatQaxPolyCoeff_Uls_f32	-4.26499987		
k_deadtimeVScale_Uls_f32	0.958000004		
t_CommOffsetTblX_Uls_u3p13[0]	1556		
t_CommOffsetTblX_Uls_u3p13[1]	5071		
t_CommOffsetTblY_Cnt_u16[0]	718		
t_CommOffsetTblY_Cnt_u16[1]	721		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	54.1119995		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1747		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	75.0830002		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	721	721	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	62783	62783 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	1.40329123	1.40329123 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	5.27919054	5.27919054 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	49833	49833 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-2.5999999	-2.5999999	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.0417999998	0.0417999998 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.40 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-91.4420013
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	133.692993
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.122000001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.123999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.103
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.10899997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.992999971
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-192.371002
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	695.664001
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.00800000038
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0189999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0270000007

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Name	Input Value
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.611000001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.84599996
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	875.080017
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-275.667999
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	29.0550003
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-17.6779995
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	31
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	31
MtrCtrl_Vecu_Volt_M_f32[0]	18.3600006
MtrCtrl_Vecu_Volt_M_f32[1]	20.7199993
MtrCurrDaxPrevIntg_Volt_M_f32	-18.4589996
MtrCurrDaxRef_Amp_M_f32[0]	-213.026993
MtrCurrDaxRef_Amp_M_f32[1]	-66.7229996
MtrCurrQaxCog_Amp_M_f32	77.189003
MtrCurrQaxPrevIntg_Volt_M_f32	15.4617996
MtrCurrQaxRef_Amp_M_f32[0]	24.6130009
MtrCurrQaxRef_Amp_M_f32[1]	-20.9400005
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	0.96390003
MtrPosComputationDelay_Rad_M_f32[1]	-1.9605
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.495000005
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0359999985
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.50999999
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.244599998
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.736000001
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-194.190002
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	269.399994
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	18254.6992
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.245199993
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-194.190002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	269.399994
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	18254.6992
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.245199993
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	1865.18005
k_DualEcuSignalScfFacSlew_UlspS_f32	55.5999985
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	7841.00977
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirualResDax_Ohm_f32	0.171000004
k_MtrCtrlVirualResQax_Ohm_f32	0.0909999982
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	4.52769995
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.5
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	14.1113997
k_MtrVoltQaxIntegLoLim_Volt_f32	-3.5
k_MtrVoltVecuFiltEnable_Cnt_lgc	1
k_VoltSatDaxPolyCoeff_Uls_f32	-15.96
k_VoltSatQaxPolyCoeff_Uls_f32	16.2980003
k_deadtimeVScale_Uls_f32	0.972000003
t_CommOffsetTblX_Uls_u3p13[0]	401
t_CommOffsetTblX_Uls_u3p13[1]	1457
t_CommOffsetTblY_Cnt_u16[0]	1020
t_CommOffsetTblY_Cnt_u16[1]	156_Uls_f32

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.41 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	171.485992
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	163.787003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0769999996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0299999993
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0480000004
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.11199999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.02100003
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	210.968002
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-929.856018
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.075000003
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0649999976
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.40199995
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.0790000036
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	203.302002
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	608.874023
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-22.0189991
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	13.2709999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	0
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	0
MtrCtrl_Vecu_Volt_M_f32[0]	22.7800007
MtrCtrl_Vecu_Volt_M_f32[1]	25.1399994
MtrCurrDaxPrevIntg_Volt_M_f32	-4.07800007
MtrCurrDaxRef_Amp_M_f32[0]	-212.632996
MtrCurrDaxRef_Amp_M_f32[1]	-205.085007
MtrCurrQaxCog_Amp_M_f32	-145.169006
MtrCurrQaxPrevIntg_Volt_M_f32	30.3006992
MtrCurrQaxRef_Amp_M_f32[0]	-166.035004
MtrCurrQaxRef_Amp_M_f32[1]	183.065002
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.75900006
MtrPosComputationDelay_Rad_M_f32[1]	-1.09109998
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.264999986
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0370000005
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.444000006

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.477999985		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.499000013		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	20.7000008		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-340.130005		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	23863		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.404900014		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	20.7000008		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-340.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	23863		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.404900014		
k_CLOAFdbckSignalScIFacSlew_UlspS_f32	4784.52979		
k_DualEcuSignalScIFacSlew_UlspS_f32	56.7999992		
k_ILOAFdbckSignalScIFacSlew_UlspS_f32	1499.40002		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0649999976		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0179999992		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	3.72659993		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.5999999		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	12.3562002		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-21.0760002		
k_VoltSatQaxPolyCoeff_Uls_f32	22.4570007		
k_deadtimeVScale_Uls_f32	0.961000025		
t_CommOffsetTblX_Uls_u3p13[0]	868		
t_CommOffsetTblX_Uls_u3p13[1]	1049		
t_CommOffsetTblY_Cnt_u16[0]	1020		
t_CommOffsetTblY_Cnt_u16[1]	1034		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-214.828995		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1164		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-149.003006		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1034	1034	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	62980	62980 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-20.8659973	-20.8659973 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	15.7318239	15.7318239 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	15.2233725	15.2233725 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	37141	37141 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScIFac_Uls_M_f32	0.0441000015	0.0441000015 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScIFac	1	LoaMtgnScIFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.42 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	106.072998
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-112.455002
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.10199998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0430000015
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0560000017
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.120999999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.802999973
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.56299996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-946.299988
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-752.830994
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0579999983
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.104000002
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0170000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0410000011
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.944999993
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.273
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-629.994019
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	916.687988
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-8.32400036
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-26.5540009
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-15.9300003
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-19.7889996
MtrCtrl_Vecu_Volt_M_f32[0]	21.2910004
MtrCtrl_Vecu_Volt_M_f32[1]	23.6509991
MtrCurrDaxPrevIntg_Volt_M_f32	0.981999993
MtrCurrDaxRef_Amp_M_f32[0]	205.820999
MtrCurrDaxRef_Amp_M_f32[1]	-206.792007
MtrCurrQaxCog_Amp_M_f32	-100.035004
MtrCurrQaxPrevIntg_Volt_M_f32	12.4246998
MtrCurrQaxRef_Amp_M_f32[0]	140.289001
MtrCurrQaxRef_Amp_M_f32[1]	178.235992
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.51740003
MtrPosComputationDelay_Rad_M_f32[1]	-0.283300012
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.592999995
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0379999988
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.638999999
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0196000002
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0350000001
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-340.130005
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-784.130005
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	1838.12
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.1611
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-340.130005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-784.130005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	1838.12
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.1611
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	6671
k_DualEcuSignalScfFacSlew_UlspS_f32	58
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	3327.94995
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.165999994
k_MtrCtrlVirtualResQax_Ohm_f32	0.196999997
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	13.8471003
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.69999981
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	4.8657999
k_MtrVoltQaxIntegLoLim_Volt_f32	-6.5999999
k_MtrVoltVecuFiltEnable_Cnt_Igc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	12.7969999		
k_VoltSatQaxPolyCoeff_Uls_f32	-5.26999998		
k_deadtimeVScale_Uls_f32	0.968999982		
t_CommOffsetTblX_Uls_u3p13[0]	3006		
t_CommOffsetTblX_Uls_u3p13[1]	6971		
t_CommOffsetTblY_Cnt_u16[0]	136		
t_CommOffsetTblY_Cnt_u16[1]	593		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	-96.3310013		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3660		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	-124.758003		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	593	593	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	63504	63504 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	-16.5058613	-16.5058613 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	-12.3771486	-12.3771486 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	16184	16184 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	13.8471003	13.8471003	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.030749999	0.030749999 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.43 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-91.4420013
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	133.692993
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.00800000038
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.064000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0869999975
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.925000012
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.28699994
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-467.540985
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	559.55603
MtrCtrl_MtrlmpedDax_Ohm_M_f32[0]	0.0729999989
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.0450000018
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.0130000003
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.0970000029

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.53100002		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.621999979		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	363.421997		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-896.711975		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	3.87299991		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	19.2730007		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.8899994		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	6.02799988		
MtrCtrl_Vecu_Volt_M_f32[0]	12.1129999		
MtrCtrl_Vecu_Volt_M_f32[1]	14.4729996		
MtrCurrDaxPrevIntg_Volt_M_f32	22.4890003		
MtrCurrDaxRef_Amp_M_f32[0]	-69.0940018		
MtrCurrDaxRef_Amp_M_f32[1]	161.973007		
MtrCurrQaxCog_Amp_M_f32	-184.522003		
MtrCurrQaxPrevIntg_Volt_M_f32	24.3127995		
MtrCurrQaxRef_Amp_M_f32[0]	91.8850021		
MtrCurrQaxRef_Amp_M_f32[1]	182.261002		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-2.45490003		
MtrPosComputationDelay_Rad_M_f32[1]	-1.48280001		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.287		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0390000008		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.202999994		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0443000011		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.128999993		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	22.2399998		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	386.220001		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	30983.1992		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.328200012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	22.2399998		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	386.220001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	30983.1992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.328200012		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	1324.80005		
k_DualEcuSignalScfFacSlew_UlspS_f32	59.2000008		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	754.981018		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0610000007		
k_MtrCtrlVirtualResQax_Ohm_f32	0.112000003		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	14.0340996		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.80000019		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	26.7854996		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.5999999		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	0.541999996		
k_VoltSatQaxPolyCoeff_Uls_f32	5.81099987		
k_deadtimeVScale_Uls_f32	0.957000017		
t_CommOffsetTblX_Uls_u3p13[0]	205		
t_CommOffsetTblX_Uls_u3p13[1]	4096		
t_CommOffsetTblY_Cnt_u16[0]	34		
t_CommOffsetTblY_Cnt_u16[1]	96		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-168.113007		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2573		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	96	96	✓
MtrCntrl_Write_Modldx_Uls_u16p16(val)	62717	62717 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-8.85189724	-8.85189533 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	7.48476315	7.48476171 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	30868	30868 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0464000031	0.0464000031 ± 0.0625	✓

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.44 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-91.4420013
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	133.692993
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.00499999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00499999999
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0939999968
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0710000023
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.869000018
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.84599996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	181.75
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	166.714005
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.104000002
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.00600000005
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.107000001
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0109999999
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.98500001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.287999988
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-837.336975
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-656.465027
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-30.1380005
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	0.920000017
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-8.16100025
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	24.6310005
MtrCtrl_Vecu_Volt_M_f32[0]	26.3600006
MtrCtrl_Vecu_Volt_M_f32[1]	28.7199993
MtrCurrDaxPrevIntg_Volt_M_f32	-4.96700001
MtrCurrDaxRef_Amp_M_f32[0]	-132.813004
MtrCurrDaxRef_Amp_M_f32[1]	-9.14299965
MtrCurrQaxCog_Amp_M_f32	-197.354996
MtrCurrQaxPrevIntg_Volt_M_f32	18.0771999
MtrCurrQaxRef_Amp_M_f32[0]	-218.035004
MtrCurrQaxRef_Amp_M_f32[1]	11.6370001
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.164199993
MtrPosComputationDelay_Rad_M_f32[1]	3.03530002
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.602999985
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0399999991
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.887000024
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.169799998
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.649999976

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Name	Input Value		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	8419.69043		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0151000004		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	8419.69043		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0151000004		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	771.372986		
k_DualEcuSignalScfFacSlew_UlspS_f32	60.4000015		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	798.940002		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0700000003		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0270000007		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	18.6986008		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.9000001		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	10.9334002		
k_MtrVoltQaxIntegLoLim_Volt_f32	-5.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-20.1189995		
k_VoltSatQaxPolyCoeff_Uls_f32	-7.09100008		
k_deadtimeVScale_Uls_f32	0.995999992		
t_CommOffsetTblX_Uls_u3p13[0]	2212		
t_CommOffsetTblX_Uls_u3p13[1]	4742		
t_CommOffsetTblY_Cnt_u16[0]	109		
t_CommOffsetTblY_Cnt_u16[1]	367		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-5.66300011		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1243		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	367	367	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	65273	65273 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-20.6800079	-20.6800079 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-0.0375764705	-0.0375764593 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-26.2545357	-26.2545357 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	31070	31070 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.032449998	0.032449998 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.45 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	171.485992
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	163.787003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0370000005
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0379999988
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.80200005
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.740999997
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-489.436005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	938.341003
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0199999996
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0879999995
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0120000001
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0560000017
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.10899997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.479999989
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	916.997009
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	1002.97998
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-26.5079994
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	4.36100006
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	15.1960001
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-2.83699989
MtrCtrl_Vecu_Volt_M_f32[0]	5.33099985
MtrCtrl_Vecu_Volt_M_f32[1]	7.69099998
MtrCurrDaxPrevIntg_Volt_M_f32	6.17600012
MtrCurrDaxRef_Amp_M_f32[0]	-146.173996
MtrCurrDaxRef_Amp_M_f32[1]	-213.335007
MtrCurrQaxCog_Amp_M_f32	152.016006
MtrCurrQaxPrevIntg_Volt_M_f32	1.08770001
MtrCurrQaxRef_Amp_M_f32[0]	-216.921997
MtrCurrQaxRef_Amp_M_f32[1]	-184.923996
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.249500006
MtrPosComputationDelay_Rad_M_f32[1]	2.82990003
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.432999998
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0410000011
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0109999999
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.335599989
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.851999998
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-10.21
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	12079.9004
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.620700002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-10.21
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	12079.9004
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.620700002
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	2475.81006
k_DualEcuSignalScfFacSlew_UlspS_f32	61.5999985
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	2645.06006
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	1
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.179000005
k_MtrCtrlVirtualResQax_Ohm_f32	0.0120000001
k_MtrCurrQaxRefModifDsb_Cnt_Igc	1
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	7.70650005
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.0999999
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	0.614899993
k_MtrVoltQaxIntegLoLim_Volt_f32	-6.5
k_MtrVoltVecuFiltEnable_Cnt_Igc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-1.26999998		
k_VoltSatQaxPolyCoeff_Uls_f32	16.9449997		
k_deadtimeVScale_Uls_f32	0.962000012		
t_CommOffsetTblX_Uls_u3p13[0]	4809		
t_CommOffsetTblX_Uls_u3p13[1]	5553		
t_CommOffsetTblY_Cnt_u16[0]	663		
t_CommOffsetTblY_Cnt_u16[1]	905		
target_MtrCntnl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntnl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	114.946999		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1956		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	-198.285995		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	1956	1956	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	0.0172781665	0.0172781646 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	-4.80996847	-4.80996895 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	30128	30128 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.0487000011	0.0487000011 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.46 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	106.072998
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-112.455002
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.116999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0860000029
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.114
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.00600000005
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.579
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.407999992
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-297.562012
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	435.532013
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0189999994

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Name	Input Value		
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.075000003		
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.0939999968		
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.0879999995		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.878000021		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.247999996		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	791.299988		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-595.505981		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	10.0620003		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	10.7410002		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-4.92999983		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	14.6809998		
MtrCtrl_Vecu_Volt_M_f32[0]	18.2229996		
MtrCtrl_Vecu_Volt_M_f32[1]	20.5830002		
MtrCurrDaxPrevIntg_Volt_M_f32	2.41400003		
MtrCurrDaxRef_Amp_M_f32[0]	-91.4420013		
MtrCurrDaxRef_Amp_M_f32[1]	133.692993		
MtrCurrQaxCog_Amp_M_f32	54.1119995		
MtrCurrQaxPrevIntg_Volt_M_f32	11.5314999		
MtrCurrQaxRef_Amp_M_f32[0]	138.595001		
MtrCurrQaxRef_Amp_M_f32[1]	-157.388		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	1.6595		
MtrPosComputationDelay_Rad_M_f32[1]	2.08319998		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.890999973		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0419999994		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.76700002		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.976100028		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.837000012		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	570.700012		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	47476.6016		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.878300011		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	47476.6016		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.878300011		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	4075.97998		
k_DualEcuSignalScfFacSlew_UlspS_f32	62.7999992		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	1135.18994		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.0430000015		
k_MtrCtrlVirualResQax_Ohm_f32	0.0289999992		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	6.86969995		
k_MtrVoltDaxIntegLoLim_Volt_f32	-7.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	0.205699995		
k_MtrVoltQaxIntegLoLim_Volt_f32	-7.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-11.4569998		
k_VoltSatQaxPolyCoeff_Uls_f32	0.670000017		
k_deadtimeVScale_Uls_f32	0.958000004		
t_CommOffsetTblX_Uls_u3p13[0]	4424		
t_CommOffsetTblX_Uls_u3p13[1]	7552		
t_CommOffsetTblY_Cnt_u16[0]	1052		
t_CommOffsetTblY_Cnt_u16[1]	1891		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	3.89299989		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1889		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1889	1889	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-211.5	-211.5 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	8.15544415	8.15544415 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	28.5562553	28.5562592 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	24630	24630 ± 1.52588E-05	✔

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Name	Actual Value	Expected Value	Result
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntl_DualEcuFailSciFac_Uls_M_f32	0.0341499969	0.0341499969 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSciFac	1	LoaMtgnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.47 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	24.6130009
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-20.9400005
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.061000007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00499999989
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.00499999989
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.270000011
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.89100003
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	898.598999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	416.613007
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.116999999
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0199999996
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0649999976
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.100000001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.699000001
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	378.188995
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	157.612
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	26.9950008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	7.13500023
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	30.9510002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-20.6159992
MtrCtrl_Vecu_Volt_M_f32[0]	28.0200005
MtrCtrl_Vecu_Volt_M_f32[1]	30.3799992
MtrCurrDaxPrevIntg_Volt_M_f32	17.8910007
MtrCurrDaxRef_Amp_M_f32[0]	171.485992
MtrCurrDaxRef_Amp_M_f32[1]	163.787003
MtrCurrQaxCog_Amp_M_f32	-17.6900005
MtrCurrQaxPrevIntg_Volt_M_f32	10.2707996
MtrCurrQaxRef_Amp_M_f32[0]	-100.282997
MtrCurrQaxRef_Amp_M_f32[1]	-120.248001
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	1.40610003
MtrPosComputationDelay_Rad_M_f32[1]	1.39110005

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Name	Input Value		
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.978999972		
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.0430000015		
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.845000029		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.128399998		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.428000003		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	3431.37012		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.436399996		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	3431.37012		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.436399996		
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	6201.14014		
k_DualEcuSignalSciFacSlew_UlspS_f32	64		
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	194.557007		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0469999984		
k_MtrCtrlVirtualResQax_Ohm_f32	0.164000005		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	26.1525002		
k_MtrVoltDaxIntegLoLim_Volt_f32	-2.5999999		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	4.69950008		
k_MtrVoltQaxIntegLoLim_Volt_f32	-2.5999999		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-12.8179998		
k_VoltSatQaxPolyCoeff_Uls_f32	12.3579998		
k_deadtimeVScale_Uls_f32	0.972000003		
t_CommOffsetTblX_Uls_u3p13[0]	705		
t_CommOffsetTblX_Uls_u3p13[1]	4996		
t_CommOffsetTblY_Cnt_u16[0]	1077		
t_CommOffsetTblY_Cnt_u16[1]	1690		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	45.3779984		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4409		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1690	1690	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63700	63700 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-102.557999	-102.557999 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-20.7308865	-20.7308884 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-21.0288715	-21.0288715 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	55395	55395 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.0510000028	0.0510000028 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnSciFac	1	LoaMtgtnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.48 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-166.035004
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	183.065002
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.056000017
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0469999984
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.70599997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.759000003
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-535.288025
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-568.218018
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.0160000008
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0549999997
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.0979999974
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.624000013
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.85000002
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-327.623993
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	577.963989
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	21.0270004
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-7.53299999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	29.0550003
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-17.6779995
MtrCtrl_Vecu_Volt_M_f32[0]	6.83099985
MtrCtrl_Vecu_Volt_M_f32[1]	9.19099998
MtrCurrDaxPrevIntg_Volt_M_f32	15.6529999
MtrCurrDaxRef_Amp_M_f32[0]	106.072998
MtrCurrDaxRef_Amp_M_f32[1]	-112.455002
MtrCurrQaxCog_Amp_M_f32	-214.828995
MtrCurrQaxPrevIntg_Volt_M_f32	5.7888999
MtrCurrQaxRef_Amp_M_f32[0]	-68.6760025
MtrCurrQaxRef_Amp_M_f32[1]	-96.776001
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	3.07680011
MtrPosComputationDelay_Rad_M_f32[1]	1.0194
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.610000014
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0439999998
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.959999979
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.593599975
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.291000009
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	404.899994
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	13842.5
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.35710001
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	404.899994
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	13842.5
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.35710001
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	4211.16016
k_DualEcuSignalScfFacSlew_UlspS_f32	65.1999969
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	3085.33008
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.0430000015
k_MtrCtrlVirtualResQax_Ohm_f32	0.119000003
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	8.83409977
k_MtrVoltDaxIntegLoLim_Volt_f32	-12.5
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	13.2000999

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Name	Input Value		
k_MtrVoltQaxIntegLoLim_Volt_f32	-12.5		
k_MtrVoltVecuFiltEnable_Cnt_Igc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-20.3659992		
k_VoltSatQaxPolyCoeff_Uls_f32	8.98099995		
k_deadtimeVScale_Uls_f32	0.990999997		
t_CommOffsetTblX_Uls_u3p13[0]	1580		
t_CommOffsetTblX_Uls_u3p13[1]	2671		
t_CommOffsetTblY_Cnt_u16[0]	161		
t_CommOffsetTblY_Cnt_u16[1]	1743		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	103.652		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4487		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	1.62199998		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1743	1743	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	64946	64946 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	118.052994	118.052994 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	4.14188147	4.14188147 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	8.11206532	8.11206436 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	15557	15557 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.0358499996	0.0358499996 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSciFac	1	LoaMtgnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.49 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	140.289001
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	178.235992
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.123000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0430000015
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.114
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.829
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.39300001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-515.534973
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-508.975006
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.120999999
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.090999982

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0199999996		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0879999995		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.954		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.512000024		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	305.28299		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-513.950012		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.9390001		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-24.3929996		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-22.0189991		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	13.2709999		
MtrCtrl_Vecu_Volt_M_f32[0]	8.61200047		
MtrCtrl_Vecu_Volt_M_f32[1]	10.9720001		
MtrCurrDaxPrevIntg_Volt_M_f32	-19.3589993		
MtrCurrDaxRef_Amp_M_f32[0]	-91.4420013		
MtrCurrDaxRef_Amp_M_f32[1]	133.692993		
MtrCurrQaxCog_Amp_M_f32	-96.3310013		
MtrCurrQaxPrevIntg_Volt_M_f32	14.2783003		
MtrCurrQaxRef_Amp_M_f32[0]	-139.906998		
MtrCurrQaxRef_Amp_M_f32[1]	115.814003		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	2.72160006		
MtrPosComputationDelay_Rad_M_f32[1]	2.10240006		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.791999996		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0450000018		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0799999982		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.619400024		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.783999979		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	865.320007		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	46503.6992		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.198599994		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	865.320007		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	46503.6992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.198599994		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	7813.02979		
k_DualEcuSignalScfFacSlew_UlspS_f32	66.4000015		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	6623.8501		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.120999999		
k_MtrCtrlVirualResQax_Ohm_f32	0.100000001		
k_MtrCurrQaxRefModifDsb_Cnt_Igc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	30.1000996		
k_MtrVoltDaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	5.77519989		
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltVecuFiltEnable_Cnt_Igc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-24.5739994		
k_VoltSatQaxPolyCoeff_Uls_f32	-11.3669996		
k_deadtimeVScale_Uls_f32	0.952000022		
t_CommOffsetTblX_Uls_u3p13[0]	908		
t_CommOffsetTblX_Uls_u3p13[1]	5956		
t_CommOffsetTblY_Cnt_u16[0]	578		
t_CommOffsetTblY_Cnt_u16[1]	1247		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	99.348999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2730		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	2730	2730	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	212.145004	212.145004 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-4.1812501	-4.1812501 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	2.27480721	2.27480721 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	10742	10742 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓

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PICurrCntl_Per1

Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.0533000007	0.0533000007 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModlDx_Uls_u16p16	1	MtrCntl_Write_ModlDx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.50 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	91.8850021
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	182.261002
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0309999995
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0329999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.115000002
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0579999983
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.545000017
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.884000003
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-366.040009
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-870.554993
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.00499999989
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.00499999989
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0189999994
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.690999985
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.344000012
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	592.877014
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	559.130005
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	5.68100023
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	2.06599998
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-8.32400036
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-26.5540009
MtrCtrl_Vecu_Volt_M_f32[0]	24.4610004
MtrCtrl_Vecu_Volt_M_f32[1]	26.8209991
MtrCurrDaxPrevIntg_Volt_M_f32	29.6800003
MtrCurrDaxRef_Amp_M_f32[0]	160.044006
MtrCurrDaxRef_Amp_M_f32[1]	165.242004
MtrCurrQaxCog_Amp_M_f32	-168.113007
MtrCurrQaxPrevIntg_Volt_M_f32	18.2201996
MtrCurrQaxRef_Amp_M_f32[0]	-82.2979965
MtrCurrQaxRef_Amp_M_f32[1]	46.8180008
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.8894999
MtrPosComputationDelay_Rad_M_f32[1]	0.699500024
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.785000026

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Name	Input Value		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0460000001		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.554000002		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.919600001		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.871999979		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	20.7000008		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	42029.6016		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0784000009		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	20.7000008		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	42029.6016		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0784000009		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	712.458008		
k_DualEcuSignalScfFacSlew_UlspS_f32	67.5999985		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	303.729004		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.100000001		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0799999982		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	8.17039967		
k_MtrVoltDaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	12.5521002		
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-24.3269997		
k_VoltSatQaxPolyCoeff_Uls_f32	-18.0820007		
k_deadtimeVScale_Uls_f32	0.976999998		
t_CommOffsetTblX_Uls_u3p13[0]	7		
t_CommOffsetTblX_Uls_u3p13[1]	179		
t_CommOffsetTblY_Cnt_u16[0]	128		
t_CommOffsetTblY_Cnt_u16[1]	452		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	80.5459976		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4498		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	121.994003		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	452	452	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	64028	64028 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	85.8150101	85.8150101 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-20.5855045	-20.5855026 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-12.1396255	-12.1396265 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	13456	13456 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0375499986	0.0375499986 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
InplVarXY_u16_u16Xu16Y_Cnt	1	InplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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PICurrCntrl_Per1

Test Step 2.51 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_lvrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntrl_Read_lvrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc_Val	target_MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-218.035004
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	11.6370001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0579999983
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0500000007
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0489999987
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.114
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.17900002
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.46399999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-613.749023
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-825.028992
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.116999999
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0199999996
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.202000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.88499999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	635.659973
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-88.5709991
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	19.6130009
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-29.3180008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	3.87299991
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	19.2730007
MtrCtrl_Vecu_Volt_M_f32[0]	21.3409996
MtrCtrl_Vecu_Volt_M_f32[1]	23.7010002
MtrCurrDaxPrevIntg_Volt_M_f32	-25.5009995
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024
MtrCurrDaxRef_Amp_M_f32[1]	-216.972
MtrCurrQaxCog_Amp_M_f32	-5.66300011
MtrCurrQaxPrevIntg_Volt_M_f32	16.0422993
MtrCurrQaxRef_Amp_M_f32[0]	160.044006
MtrCurrQaxRef_Amp_M_f32[1]	165.242004
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-1.22689998
MtrPosComputationDelay_Rad_M_f32[1]	-0.663100004
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.472000003
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.0469999984
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.796000004
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.4287
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.926999986
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-657.099976
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-340.130005
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	17234.5
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0538000017
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-657.099976
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-340.130005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	17234.5
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0538000017
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	642.700012
k_DualEcuSignalSciFacSlew_UlspS_f32	68.8000031
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	7742.27002
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirualResDax_Ohm_f32	0.0280000009
k_MtrCtrlVirualResQax_Ohm_f32	0.174999997
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	20.6893997
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.6000004
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	19.8882008
k_MtrVoltQaxIntegLoLim_Volt_f32	-11.6000004

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Name	Input Value		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	6.35500002		
k_VoltSatQaxPolyCoeff_Uls_f32	21.1189995		
k_deadtimeVScale_Uls_f32	0.967999995		
t_CommOffsetTblX_Uls_u3p13[0]	4506		
t_CommOffsetTblX_Uls_u3p13[1]	5381		
t_CommOffsetTblY_Cnt_u16[0]	1282		
t_CommOffsetTblY_Cnt_u16[1]	1346		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntri_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntri_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	41.1769981		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3770		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	-41.5750008		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	3770	3770	✔
MtrCntri_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	165.707001	165.707001 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	0.985897839	0.985897899 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	4.73852348	4.73852348 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	54879	54879 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.0555999987	0.0555999987 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.52 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-216.921997
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-184.923996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0979999974
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0850000009
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.119000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0820000023
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.671
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.986000001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	129.369003
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-141.128998
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0659999996

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Name	Input Value		
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.0120000001		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0970000029		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.0160000008		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.111000001		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.83399999		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	972.747009		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	150.199997		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	28.1019993		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	0.381000012		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-30.1380005		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	0.920000017		
MtrCtrl_Vecu_Volt_M_f32[0]	28.2360001		
MtrCtrl_Vecu_Volt_M_f32[1]	30.5960007		
MtrCurrDaxPrevIntg_Volt_M_f32	28.816		
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007		
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001		
MtrCurrQaxCog_Amp_M_f32	114.946999		
MtrCurrQaxPrevIntg_Volt_M_f32	22.5016003		
MtrCurrQaxRef_Amp_M_f32[0]	-65.1900024		
MtrCurrQaxRef_Amp_M_f32[1]	-216.972		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-1.91820002		
MtrPosComputationDelay_Rad_M_f32[1]	0.830900013		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.560000002		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0480000004		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.125		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.716899991		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.54400003		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-657.099976		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	20241.6992		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.124300003		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-657.099976		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	20241.6992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.124300003		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	4748.89014		
k_DualEcuSignalScfFacSlew_UlspS_f32	70		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5014.08008		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.109999999		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0350000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	8.6864996		
k_MtrVoltDaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	30.9398003		
k_MtrVoltQaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-5.84200001		
k_VoltSatQaxPolyCoeff_Uls_f32	-16.993		
k_deadtimeVScale_Uls_f32	0.963		
t_CommOffsetTbIX_Uls_u3p13[0]	3030		
t_CommOffsetTbIX_Uls_u3p13[1]	5366		
t_CommOffsetTbIY_Cnt_u16[0]	554		
t_CommOffsetTbIY_Cnt_u16[1]	778		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-30.7789993		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4190		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	48.8400002		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	778	778	✓
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63111	63111 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-180.136993	-180.136993 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	18.5436459	18.543644 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-19.8871403	-19.8871384 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	4933	4933 ± 1.52588E-05	✓

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Name	Actual Value	Expected Value	Result
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntl_DualEcuFailSciFac_Uls_M_f32	0.0392500013	0.0392500013 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnSciFac	1	LoaMtgtnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.53 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-82.2979965
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	46.8180008
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0209999997
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0659999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0270000007
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0149999997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.50699997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.64999998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	491.182007
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	987.453979
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0520000011
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.00800000038
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.00499999989
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.00499999989
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.82099998
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.995999992
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-73.2539978
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-688.901978
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	4.64300013
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-11.7069998
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-26.5079994
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	4.36100006
MtrCtrl_Vecu_Volt_M_f32[0]	28.3600006
MtrCtrl_Vecu_Volt_M_f32[1]	30.2600002
MtrCurrDaxPrevIntg_Volt_M_f32	-11.5699997
MtrCurrDaxRef_Amp_M_f32[0]	-208.287994
MtrCurrDaxRef_Amp_M_f32[1]	-27.9839993
MtrCurrQaxCog_Amp_M_f32	3.89299989
MtrCurrQaxPrevIntg_Volt_M_f32	25.7052002
MtrCurrQaxRef_Amp_M_f32[0]	-146.723007
MtrCurrQaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.02469993
MtrPosComputationDelay_Rad_M_f32[1]	-2.5934
PICurrCntl_CurrSensFailSciFac_Uls_M_f32	0.745000005
PICurrCntl_DualEcuFailSciFac_Uls_M_f32	0.0489999987

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Name	Input Value		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.305999994		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.720300019		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0160000008		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	570.700012		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	46120.5		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.107100002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	46120.5		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.107100002		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	5850.64014		
k_DualEcuSignalScfFacSlew_UlspS_f32	71.1999969		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	2794.15991		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0399999991		
k_MtrCtrlVirtualResQax_Ohm_f32	0.150999993		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	5.24860001		
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	8.75800037		
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-12.8660002		
k_VoltSatQaxPolyCoeff_Uls_f32	6.20200014		
k_deadtimeVScale_Uls_f32	0.986999989		
t_CommOffsetTblX_Uls_u3p13[0]	4850		
t_CommOffsetTblX_Uls_u3p13[1]	6241		
t_CommOffsetTblY_Cnt_u16[0]	1044		
t_CommOffsetTblY_Cnt_u16[1]	1978		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	23		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	107.702003		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1044	1044	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	27056	27056 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-125.835999	-125.835999 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-11.7069998	-11.7069998 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	4.36100006	4.36100006 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	25821	25821 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0578999966	0.0578999966 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓	
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓	

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Test Step 2.54 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModlIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModlIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	160.044006
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	165.242004
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0719999969
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0289999992
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0299999993
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.81200004
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.92799997
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-519.974976
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-32.9770012
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0509999999
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0619999999
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.952000022
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.88499999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-957.802979
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	641.666016
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	25.9820004
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-23.0480003
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	10.0620003
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	10.7410002
MtrCtrl_Vecu_Volt_M_f32[0]	22.3600006
MtrCtrl_Vecu_Volt_M_f32[1]	24.7199993
MtrCurrDaxPrevIntg_Volt_M_f32	20.1009998
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxCog_Amp_M_f32	45.3779984
MtrCurrQaxPrevIntg_Volt_M_f32	28.1571999
MtrCurrQaxRef_Amp_M_f32[0]	-208.287994
MtrCurrQaxRef_Amp_M_f32[1]	-27.9839993
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.95309997
MtrPosComputationDelay_Rad_M_f32[1]	0.0648000017
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.476999998
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0500000007
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.254999995
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0443000011
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.142000005
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-627.179993
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	0
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	40399.6016
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.742399991
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-627.179993
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	0
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	40399.6016
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.742399991
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	3971.34009
k_DualEcuSignalScfFacSlew_UlspS_f32	72.4000015
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5639.2998
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.00300000003
k_MtrCtrlVirtualResQax_Ohm_f32	0.00899999961
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	17.7175007
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	4.11920023
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998
k_MtrVoltVecuFiltEnable_Cnt_lgc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	24.934		
k_VoltSatQaxPolyCoeff_Uls_f32	-16.5429993		
k_deadtimeVScale_Uls_f32	0.959999979		
t_CommOffsetTblX_Uls_u3p13[0]	2114		
t_CommOffsetTblX_Uls_u3p13[1]	4735		
t_CommOffsetTblY_Cnt_u16[0]	153		
t_CommOffsetTblY_Cnt_u16[1]	914		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr	1		
target_MtrCntri_Read_IvtrLoaMtgEn_Cnt_Igc_ptr	1		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_Igc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr	0		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	177.046997		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4147		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	5.72399998		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	4147	4147	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-73.3619995	-73.3619995 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	-4.35074377	-4.35074472 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	2.02756596	2.02756619 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	54377	54377 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.0409500003	0.0409500003 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.55 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-65.1900024
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-216.972
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0270000007
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00700000022
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0839999989
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.683000028
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.86699998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-334.098999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	800.172974
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.115000002
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0579999983

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0350000001		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.119999997		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.77999997		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.85699999		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	130.878998		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-255.671997		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	14.9390001		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-29.4060001		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	26.9950008		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	7.13500023		
MtrCtrl_Vecu_Volt_M_f32[0]	18.7189999		
MtrCtrl_Vecu_Volt_M_f32[1]	21.0790005		
MtrCurrDaxPrevIntg_Volt_M_f32	-24.684		
MtrCurrDaxRef_Amp_M_f32[0]	-133.947006		
MtrCurrDaxRef_Amp_M_f32[1]	75.7020035		
MtrCurrQaxCog_Amp_M_f32	103.652		
MtrCurrQaxPrevIntg_Volt_M_f32	18.5097008		
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999		
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	0.649900019		
MtrPosComputationDelay_Rad_M_f32[1]	-1.9016		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.0390000008		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.050999999		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.84799999		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.611599982		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.144999996		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	25640.4004		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.971499979		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	0		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	25640.4004		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.971499979		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	4766.68994		
k_DualEcuSignalScfFacSlew_UlspS_f32	73.5999985		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	7056.62988		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.114		
k_MtrCtrlVirualResQax_Ohm_f32	0.155000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	2.74440002		
k_MtrVoltDaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	9.79839993		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-14.3280001		
k_VoltSatQaxPolyCoeff_Uls_f32	-7.07999992		
k_deadtimeVScale_Uls_f32	0.99000001		
t_CommOffsetTblX_Uls_u3p13[0]	1498		
t_CommOffsetTblX_Uls_u3p13[1]	4940		
t_CommOffsetTblY_Cnt_u16[0]	125		
t_CommOffsetTblY_Cnt_u16[1]	898		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-9.31999969		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	155		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.3040009		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	898	898	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	64880	64880 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-20.2797832	-20.2797813 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	4.92063713	4.92063665 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	31800	31800 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔

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Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.0601999983	0.0601999983 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.56 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-220
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-220
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.123000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.118000001
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.26400006
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.94200003
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-771.768005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	61.4269981
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0489999987
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.114
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.115000002
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0579999983
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.657999992
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.64900005
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-279.015015
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-333.037994
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-17.6959991
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-27.8540001
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	21.0270004
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-7.53299999
MtrCtrl_Vecu_Volt_M_f32[0]	22.3540001
MtrCtrl_Vecu_Volt_M_f32[1]	24.7140007
MtrCurrDaxPrevIntg_Volt_M_f32	-18.9759998
MtrCurrDaxRef_Amp_M_f32[0]	209.052002
MtrCurrDaxRef_Amp_M_f32[1]	-124.994003
MtrCurrQaxCog_Amp_M_f32	99.348999
MtrCurrQaxPrevIntg_Volt_M_f32	0.0860000029
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.152700007
MtrPosComputationDelay_Rad_M_f32[1]	1.51170003
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.941999972
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.0520000011
PICurrCntl_InverterFailScfFac_Uls_M_f32	0.619000018

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PICurrCntrl_Per1

Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0478000008		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.801999986		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	35039		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.570299983		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	35039		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.570299983		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7521.91016		
k_DualEcuSignalScfFacSlew_UlspS_f32	74.8000031		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	5032.43018		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.0799999982		
k_MtrCtrlVirualResQax_Ohm_f32	0.00600000005		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	17.1720009		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	21.2935009		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	10.3940001		
k_VoltSatQaxPolyCoeff_Uls_f32	10.5640001		
k_deadtimeVScale_Uls_f32	0.967999995		
t_CommOffsetTblX_Uls_u3p13[0]	6110		
t_CommOffsetTblX_Uls_u3p13[1]	7324		
t_CommOffsetTblY_Cnt_u16[0]	940		
t_CommOffsetTblY_Cnt_u16[1]	1216		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-161.352005		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1115		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	20.6149998		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1216	1216	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63438	63438 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-23.6469955	-23.6469955 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-23.0935135	-23.0935135 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-6.24554586	-6.24554586 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	62165	62165 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0426499993	0.0426499993 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓	

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Test Step 2.57 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	220
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	220
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0170000009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0410000011
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0700000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.199
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.528
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-96.7659988
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-485.93399
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.119000003
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0820000023
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0489999987
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.114
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.79999995
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.797999978
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	839.791992
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-829.577026
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-11.9399996
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	29.1739998
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-14.9390001
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-24.3929996
MtrCtrl_Vecu_Volt_M_f32[0]	14.2779999
MtrCtrl_Vecu_Volt_M_f32[1]	16.6380005
MtrCurrDaxPrevIntg_Volt_M_f32	1.27900004
MtrCurrDaxRef_Amp_M_f32[0]	-200.556
MtrCurrDaxRef_Amp_M_f32[1]	-98.4449997
MtrCurrQaxCog_Amp_M_f32	80.5459976
MtrCurrQaxPrevIntg_Volt_M_f32	10.5852003
MtrCurrQaxRef_Amp_M_f32[0]	209.052002
MtrCurrQaxRef_Amp_M_f32[1]	-124.994003
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	0.544200003
MtrPosComputationDelay_Rad_M_f32[1]	-1.23020005
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.374000013
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0529999994
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.744000018
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.797999978
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.699000001
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	570.700012
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	1118
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	36325.3984
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.287999988
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	570.700012
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	1118
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	36325.3984
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.287999988
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	6822.06006
k_DualEcuSignalScfFacSlew_UlspS_f32	76
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5157.0498
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.163000003
k_MtrCtrlVirtualResQax_Ohm_f32	0.0439999998
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	6.49800014
k_MtrVoltDaxIntegLoLim_Volt_f32	-25.6000004
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	17.0617008
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004
k_MtrVoltVecuFiltEnable_Cnt_Igc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	11.9960003		
k_VoltSatQaxPolyCoeff_Uls_f32	-19.5869999		
k_deadtimeVScale_Uls_f32	0.998000026		
t_CommOffsetTblX_Uls_u3p13[0]	220		
t_CommOffsetTblX_Uls_u3p13[1]	5037		
t_CommOffsetTblY_Cnt_u16[0]	980		
t_CommOffsetTblY_Cnt_u16[1]	1528		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-205.514999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1366		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	79.6729965		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1528	1528	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	65404	65404 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	128.506012	128.506012 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-12.2062798	-12.2062798 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-7.35210037	-7.35210037 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	49174	49174 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.0625	0.0625 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnSciFac	1	LoaMtgnSciFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓	

Test Step 2.58 (Repeat Count = 1)		✓
Name	Input Value	
FastDataAccessBufIndex_Cnt_M_u16	0	
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	0	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	0	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0130000003	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0970000029	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0970000029	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0270000007	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.10599995	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.44500005	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	308.303009	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-313.46701	
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0270000007	
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0149999997	
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.119000003	
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0820000023	

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.80400002		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.768000007		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-984.03302		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-670.601013		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-12.816		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-15.0170002		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	5.68100023		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.06599998		
MtrCtrl_Vecu_Volt_M_f32[0]	20.2549992		
MtrCtrl_Vecu_Volt_M_f32[1]	22.6149998		
MtrCurrDaxPrevIntg_Volt_M_f32	-9.55599976		
MtrCurrDaxRef_Amp_M_f32[0]	67.4899979		
MtrCurrDaxRef_Amp_M_f32[1]	119.721001		
MtrCurrQaxCog_Amp_M_f32	41.1769981		
MtrCurrQaxPrevIntg_Volt_M_f32	13.0853004		
MtrCurrQaxRef_Amp_M_f32[0]	-200.556		
MtrCurrQaxRef_Amp_M_f32[1]	-98.4449997		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	1.14110005		
MtrPosComputationDelay_Rad_M_f32[1]	-2.6644001		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.444000006		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0540000014		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.815999985		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.891499996		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0939999968		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-717.299988		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	10763.7002		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.852599978		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	0		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-717.299988		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	10763.7002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.852599978		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	1549.32996		
k_DualEcuSignalScfFacSlew_UlspS_f32	77.1999969		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	6542.3501		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.119000003		
k_MtrCtrlVirualResQax_Ohm_f32	0.0289999992		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	17.6065006		
k_MtrVoltDaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	14.5948		
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	7.44799995		
k_VoltSatQaxPolyCoeff_Uls_f32	0.351999998		
k_deadtimeVScale_Uls_f32	0.971000016		
t_CommOffsetTblX_Uls_u3p13[0]	573		
t_CommOffsetTblX_Uls_u3p13[1]	7569		
t_CommOffsetTblY_Cnt_u16[0]	556		
t_CommOffsetTblY_Cnt_u16[1]	934		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-118.848		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3490		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	0.486999989		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	934	934	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63635	63635 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	13.2904978	13.2904987 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	14.4974937	14.4974947 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	19641	19641 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.044350002	0.044350002 ± 0.0625	✔

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Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.59 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-115.696999
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-141.417007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.107000001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0109999999
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.980000019
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.497000009
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	550.754028
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-584.435974
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0270000007
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0149999997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.45700002
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.78799999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	966.106995
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	858.828003
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	27.9379997
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.50300026
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	19.6130009
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-29.3180008
MtrCtrl_Vecu_Volt_M_f32[0]	13.085
MtrCtrl_Vecu_Volt_M_f32[1]	15.4449997
MtrCurrDaxPrevIntg_Volt_M_f32	23.0559998
MtrCurrDaxRef_Amp_M_f32[0]	37.4550018
MtrCurrDaxRef_Amp_M_f32[1]	-2.84500003
MtrCurrQaxCog_Amp_M_f32	-30.7789993
MtrCurrQaxPrevIntg_Volt_M_f32	13.2370005
MtrCurrQaxRef_Amp_M_f32[0]	67.4899979
MtrCurrQaxRef_Amp_M_f32[1]	119.721001
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.70779991
MtrPosComputationDelay_Rad_M_f32[1]	-1.68729997
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.208000004
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0549999997
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.451000005
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.251300007
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.681999981

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Name	Input Value		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	68.5733032		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.957700014		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	68.5733032		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.957700014		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	2384.97998		
k_DualEcuSignalScfFacSlew_UlspS_f32	78.4000015		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	3626.42993		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.108999997		
k_MtrCtrlVirtualResQax_Ohm_f32	0.108999997		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	25.8696003		
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	26.0412998		
k_MtrVoltQaxIntegLoLim_Volt_f32	-11.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-12.5480003		
k_VoltSatQaxPolyCoeff_Uls_f32	-9.86100006		
k_deadtimeVScale_Uls_f32	0.970000029		
t_CommOffsetTblX_Uls_u3p13[0]	1154		
t_CommOffsetTblX_Uls_u3p13[1]	5284		
t_CommOffsetTblY_Cnt_u16[0]	39		
t_CommOffsetTblY_Cnt_u16[1]	93		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-72.4260025		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2326		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-190.440994		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	2326	2326	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	150.5	150.5 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	8.37593937	8.37593937 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-28.8799	-28.8799 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	12225	12225 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0648000017	0.0648000017 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16X_u16Y_Cnt	1	IntplVarXY_u16_u16X_u16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.60 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	140.470001
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	93.5790024
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0120000001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0560000017
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0170000009
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0410000011
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.93900001
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.79499996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-876.190002
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	798.229004
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0170000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0410000011
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0769999996
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0299999993
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.930000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.875
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	737.640991
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-190.210999
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-9.61999989
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-0.206
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	28.1019993
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	0.381000012
MtrCtrl_Vecu_Volt_M_f32[0]	25.4869995
MtrCtrl_Vecu_Volt_M_f32[1]	27.8470001
MtrCurrDaxPrevIntg_Volt_M_f32	15.3000002
MtrCurrDaxRef_Amp_M_f32[0]	94.3150024
MtrCurrDaxRef_Amp_M_f32[1]	37.4959984
MtrCurrQaxCog_Amp_M_f32	-34.6189995
MtrCurrQaxPrevIntg_Volt_M_f32	1.81389999
MtrCurrQaxRef_Amp_M_f32[0]	37.4550018
MtrCurrQaxRef_Amp_M_f32[1]	-2.84500003
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	0.674700022
MtrPosComputationDelay_Rad_M_f32[1]	-2.42210007
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.442000002
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0560000017
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.184
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.864700019
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.991999984
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-657.130005
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	50.7543983
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.536199987
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-657.130005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	50.7543983
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.536199987
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	2035.48999
k_DualEcuSignalScfFacSlew_UlspS_f32	79.5999985
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5391.29004
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.133000001
k_MtrCtrlVirtualResQax_Ohm_f32	0.159999996
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	19.5212002
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.1000004
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	26.7397003
k_MtrVoltQaxIntegLoLim_Volt_f32	-30.2000008
k_MtrVoltVecuFiltEnable_Cnt_lgc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-13.3400002		
k_VoltSatQaxPolyCoeff_Uls_f32	12.0819998		
k_deadtimeVScale_Uls_f32	0.990999997		
t_CommOffsetTblX_Uls_u3p13[0]	5022		
t_CommOffsetTblX_Uls_u3p13[1]	7003		
t_CommOffsetTblY_Cnt_u16[0]	1896		
t_CommOffsetTblY_Cnt_u16[1]	1952		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	83.9489975		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2340		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	83.9489975		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	2340	2340	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	72.0740051	72.0740051 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	-4.70664167	-4.70664263 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	-1.54904592	-1.54904521 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	52873	52873 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.0460500009	0.0460500009 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓	
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓	
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓	
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓	
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓	
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓	
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓	
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓	

Test Step 2.61 (Repeat Count = 1)		
Name	Input Value	
FastDataAccessBufIndex_Cnt_M_u16	1	
MtrCntri_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntri_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr	
MtrCntri_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntri_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr	
MtrCntri_Read_ModldxSriComSvcDft_Cnt_Igc(Val)	target_MtrCntri_Read_ModldxSriComSvcDft_Cnt_Igc_Val	
MtrCntri_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntri_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr	
MtrCntri_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	
MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	
MtrCntri_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	
MtrCntri_Read_SysState_Cnt_Enum(Val)	target_MtrCntri_Read_SysState_Cnt_Enum_Val	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	106.072998	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-112.455002	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0939999968	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0879999995	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0130000003	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0970000029	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.07099998	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.27900004	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	650.622009	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	557.583984	
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0130000003	
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0970000029	

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.112999998		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.125		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.79900002		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.624000013		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-125.525002		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	839.142029		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-12.2150002		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	0.874000013		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	4.64300013		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-11.7069998		
MtrCtrl_Vecu_Volt_M_f32[0]	16.8080006		
MtrCtrl_Vecu_Volt_M_f32[1]	19.1679993		
MtrCurrDaxPrevIntg_Volt_M_f32	-18.566		
MtrCurrDaxRef_Amp_M_f32[0]	212.455994		
MtrCurrDaxRef_Amp_M_f32[1]	89.8619995		
MtrCurrQaxCog_Amp_M_f32	177.046997		
MtrCurrQaxPrevIntg_Volt_M_f32	27.2450008		
MtrCurrQaxRef_Amp_M_f32[0]	94.3150024		
MtrCurrQaxRef_Amp_M_f32[1]	37.4959984		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	0.0817999989		
MtrPosComputationDelay_Rad_M_f32[1]	-2.86159992		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.375999987		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.057		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0529999994		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.636099994		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.49000001		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	33.7361984		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.666299999		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	33.7361984		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.666299999		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	1046.93005		
k_DualEcuSignalScfFacSlew_UlspS_f32	80.8000031		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	1066.56006		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.063000001		
k_MtrCtrlVirtualResQax_Ohm_f32	0.119000003		
k_MtrCurrQaxRefModifDsb_Cnt_Igc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	13.9659004		
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.1999998		
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	29.7127991		
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltVecuFiltEnable_Cnt_Igc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-0.66900003		
k_VoltSatQaxPolyCoeff_Uls_f32	13.8260002		
k_deadtimeVScale_Uls_f32	0.959999979		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	730		
t_CommOffsetTblY_Cnt_u16[1]	1388		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-144.667007		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3783		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-144.667007		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	3783	3783	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-139.550995	-139.550995 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	0.357355237	0.357355237 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.78667927	-4.78667927 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	2143	2143 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	13.9659004	13.9659004	✔

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Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.0671000034	0.0671000034 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModlDx_Uls_u16p16	1	MtrCntl_Write_ModlDx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.62 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-91.4420013
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	133.692993
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0700000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.107000001
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0109999999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.75300002
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	524.809998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-986.283997
MtrCtrl_MtrlmpedDax_Ohm_M_f32[0]	0.107000001
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.0109999999
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.02900004
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.546000004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	613.835999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	556.35498
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	22.1809998
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-11.0150003
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	25.9820004
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.0480003
MtrCtrl_Vecu_Volt_M_f32[0]	5.56799984
MtrCtrl_Vecu_Volt_M_f32[1]	7.92799997
MtrCurrDaxPrevIntg_Volt_M_f32	-15.7600002
MtrCurrDaxRef_Amp_M_f32[0]	-108.124001
MtrCurrDaxRef_Amp_M_f32[1]	178.639008
MtrCurrQaxCog_Amp_M_f32	-9.31999969
MtrCurrQaxPrevIntg_Volt_M_f32	11.2662001
MtrCurrQaxRef_Amp_M_f32[0]	212.455994
MtrCurrQaxRef_Amp_M_f32[1]	89.8619995
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.130500004
MtrPosComputationDelay_Rad_M_f32[1]	-2.73749995
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.379999995

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Name	Input Value		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0579999983		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.151999995		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.621800005		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.887000024		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-717.299988		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	386.220001		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	65.2260971		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.8046		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-717.299988		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	386.220001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	65.2260971		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.8046		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6758.08008		
k_DualEcuSignalScfFacSlew_UlspS_f32	82		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	7037.7002		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0520000011		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0529999994		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	18.4785004		
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.3000002		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	18.1450005		
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-22.6620007		
k_VoltSatQaxPolyCoeff_Uls_f32	-24.7110004		
k_deadtimeVScale_Uls_f32	0.986000001		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	24		
t_CommOffsetTblY_Cnt_u16[1]	47		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	80.8180008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4523		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	4523	4523	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	19.8459988	19.8459988 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	23.2468662	23.2468662 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	6009	6009 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-11.3000002	-11.3000002	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0477499962	0.0477499962 ± 0.0625	✔

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PICurrCntrl_Per1

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.63 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-91.4420013
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	133.692993
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0270000007
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0120000001
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0560000017
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.412
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.523
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-834.685974
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-788.218994
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0120000001
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0560000017
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.50899994
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	881.109009
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	1005.21997
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-23.6089993
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-14.04
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	14.9390001
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-29.4060001
MtrCtrl_Vecu_Volt_M_f32[0]	17.9899998
MtrCtrl_Vecu_Volt_M_f32[1]	20.3500004
MtrCurrDaxPrevIntg_Volt_M_f32	-14.0459995
MtrCurrDaxRef_Amp_M_f32[0]	-76.8769989
MtrCurrDaxRef_Amp_M_f32[1]	-153.238998
MtrCurrQaxCog_Amp_M_f32	-161.352005
MtrCurrQaxPrevIntg_Volt_M_f32	29.0646
MtrCurrQaxRef_Amp_M_f32[0]	-108.124001
MtrCurrQaxRef_Amp_M_f32[1]	178.639008
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	0.452699989
MtrPosComputationDelay_Rad_M_f32[1]	1.22019994
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.635999978
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0590000004
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.791999996

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PICurrCntrl_Per1

Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.847599983		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.493999988		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-784.130005		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	25.7999992		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.400299996		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-784.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	25.7999992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.400299996		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	3945.78003		
k_DualEcuSignalScfFacSlew_UlspS_f32	83.1999969		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	7691.68994		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.172999993		
k_MtrCtrlVirualResQax_Ohm_f32	0.0810000002		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	15.3655996		
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.3999996		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	0.514699996		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-10.2639999		
k_VoltSatQaxPolyCoeff_Uls_f32	11.283		
k_deadtimeVScale_Uls_f32	0.968999982		
t_CommOffsetTblX_Uls_u3p13[0]	2638		
t_CommOffsetTblX_Uls_u3p13[1]	3628		
t_CommOffsetTblY_Cnt_u16[0]	310		
t_CommOffsetTblY_Cnt_u16[1]	1418		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-44.2579994		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	129		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	121.994003		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1418	1418	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63504	63504 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	53.2280045	53.2280045 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-16.8014221	-16.8014221 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.64732885	-4.64732885 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	51059	51059 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0693999976	0.0693999976 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓	

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Test Step 2.64 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	171.485992
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	163.787003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0939999968
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0879999995
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.30700004
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.85500002
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	620.015015
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	715.487
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0939999968
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0879999995
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.987999976
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.42899999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	811.825012
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-796.757996
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-21.1959991
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-4.78100014
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-17.6959991
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-27.8540001
MtrCtrl_Vecu_Volt_M_f32[0]	26.6809998
MtrCtrl_Vecu_Volt_M_f32[1]	29.0410004
MtrCurrDaxPrevIntg_Volt_M_f32	9.64799976
MtrCurrDaxRef_Amp_M_f32[0]	191.369003
MtrCurrDaxRef_Amp_M_f32[1]	107.137001
MtrCurrQaxCog_Amp_M_f32	-205.514999
MtrCurrQaxPrevIntg_Volt_M_f32	2.89910007
MtrCurrQaxRef_Amp_M_f32[0]	-76.8769989
MtrCurrQaxRef_Amp_M_f32[1]	-153.238998
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	0.906000018
MtrPosComputationDelay_Rad_M_f32[1]	1.87189996
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.713
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.05999999987
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.726000011
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.289799988
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.129999995
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-38.7999992
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	947.73999
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	70.1131973
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.631200016
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-38.7999992
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	947.73999
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	70.1131973
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.631200016
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	1611.48999
k_DualEcuSignalScfFacSlew_UlspS_f32	84.4000015
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5394.18018
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	1
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.0710000023
k_MtrCtrlVirtualResQax_Ohm_f32	0.101000004
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	2.98559999
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.6000004
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	16.9648991
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.57000017
k_MtrVoltVecuFiltEnable_Cnt_Igc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-22.1690006		
k_VoltSatQaxPolyCoeff_Uls_f32	-5.51499987		
k_deadtimeVScale_Uls_f32	0.995000005		
t_CommOffsetTblX_Uls_u3p13[0]	1212		
t_CommOffsetTblX_Uls_u3p13[1]	1704		
t_CommOffsetTblY_Cnt_u16[0]	1257		
t_CommOffsetTblY_Cnt_u16[1]	1842		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-40.9220009		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	662		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-41.5750008		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1842	1842	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	65208	65208 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	52.276001	52.276001 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	16.3759613	16.3759613 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-23.8074532	-23.8074532 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	46008	46008 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0494499989	0.0494499989 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.65 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	106.072998
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-112.455002
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0170000009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0410000011
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0649999976
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.100000001
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.526000023
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.53100002
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	555.133972
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	919.028015
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0560000017
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0130000003

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.662		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.31599998		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-876.906982		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-215.744003		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-22.7129993		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-20.4500008		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-11.9399996		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	29.1739998		
MtrCtrl_Vecu_Volt_M_f32[0]	16.882		
MtrCtrl_Vecu_Volt_M_f32[1]	19.2420006		
MtrCurrDaxPrevIntg_Volt_M_f32	6.12300014		
MtrCurrDaxRef_Amp_M_f32[0]	-147.343002		
MtrCurrDaxRef_Amp_M_f32[1]	127.972		
MtrCurrQaxCog_Amp_M_f32	-118.848		
MtrCurrQaxPrevIntg_Volt_M_f32	24.7549992		
MtrCurrQaxRef_Amp_M_f32[0]	191.369003		
MtrCurrQaxRef_Amp_M_f32[1]	107.137001		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	2.77749991		
MtrPosComputationDelay_Rad_M_f32[1]	2.20070004		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.47299999		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0610000007		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.00899999961		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0659999996		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.665000021		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-657.099976		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	269.399994		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	8.62930012		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.434899986		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-657.099976		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	269.399994		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	8.62930012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.434899986		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	2358.21997		
k_DualEcuSignalScfFacSlew_UlspS_f32	85.5999985		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	5388.91992		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.0729999989		
k_MtrCtrlVirualResQax_Ohm_f32	0.023		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	8.81120014		
k_MtrVoltDaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	25.0259991		
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	22.6620007		
k_VoltSatQaxPolyCoeff_Uls_f32	12.3109999		
k_deadtimeVScale_Uls_f32	0.985000014		
t_CommOffsetTblX_Uls_u3p13[0]	3808		
t_CommOffsetTblX_Uls_u3p13[1]	7298		
t_CommOffsetTblY_Cnt_u16[0]	181		
t_CommOffsetTblY_Cnt_u16[1]	812		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	75.0830002		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	917		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	48.8400002		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	917	917	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	1.70572281	1.70572269 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-30.487318	-30.4873199 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	61155	61155 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0716999993	0.0716999993 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.66 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	24.6130009
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-20.9400005
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0130000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0970000029
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0549999997
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0979999974
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.44099998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.26900005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-818.776001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-274.428986
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.261000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.976000011
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-737.580994
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	408.726013
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	18.2380009
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	27.3910007
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-12.816
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-15.0170002
MtrCtrl_Vecu_Volt_M_f32[0]	5.70200014
MtrCtrl_Vecu_Volt_M_f32[1]	8.06200027
MtrCurrDaxPrevIntg_Volt_M_f32	15.0279999
MtrCurrDaxRef_Amp_M_f32[0]	6.18900013
MtrCurrDaxRef_Amp_M_f32[1]	83.0540009
MtrCurrQaxCog_Amp_M_f32	-220
MtrCurrQaxPrevIntg_Volt_M_f32	1.02610004
MtrCurrQaxRef_Amp_M_f32[0]	-147.343002
MtrCurrQaxRef_Amp_M_f32[1]	127.972
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.83299994
MtrPosComputationDelay_Rad_M_f32[1]	0.72420001
PlCurrCntl_CurrSensFailScfFac_Uls_M_f32	0.657000005
PlCurrCntl_DualEcuFailScfFac_Uls_M_f32	0.061999999

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Name	Input Value		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.432999998		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.185100004		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.515999973		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-340.130005		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	12.6120005		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.790099978		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-340.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	12.6120005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.790099978		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	3275.26001		
k_DualEcuSignalScfFacSlew_UlspS_f32	86.8000031		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	2711.1499		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.165000007		
k_MtrCtrlVirtualResQax_Ohm_f32	0.200000003		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	25.7908001		
k_MtrVoltDaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	19.1938992		
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	19.0259991		
k_VoltSatQaxPolyCoeff_Uls_f32	1.51499999		
k_deadtimeVScale_Uls_f32	1		
t_CommOffsetTblX_Uls_u3p13[0]	918		
t_CommOffsetTblX_Uls_u3p13[1]	1679		
t_CommOffsetTblY_Cnt_u16[0]	174		
t_CommOffsetTblY_Cnt_u16[1]	589		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	74.0660019		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3897		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	107.702003		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	589	589	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	65536	65536 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	72.6569977	72.6569977 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	4.84246731	4.84246635 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-3.010535	-3.01053452 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	51735	51735 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-10.5	-10.5	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0511499979	0.0511499979 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓	
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓	

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Test Step 2.67 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-166.035004
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	183.065002
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.104000002
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.063000001
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.165999994
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.68499994
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	41.1699982
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	456.949005
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.57700002
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.83099997
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-771.507996
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	920.502991
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-17.2689991
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	15.2200003
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	27.9379997
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	8.50300026
MtrCtrl_Vecu_Volt_M_f32[0]	28.3600006
MtrCtrl_Vecu_Volt_M_f32[1]	30.7199993
MtrCurrDaxPrevIntg_Volt_M_f32	-1.19400001
MtrCurrDaxRef_Amp_M_f32[0]	-105.246002
MtrCurrDaxRef_Amp_M_f32[1]	41.6290016
MtrCurrQaxCog_Amp_M_f32	220
MtrCurrQaxPrevIntg_Volt_M_f32	11.6451998
MtrCurrQaxRef_Amp_M_f32[0]	6.18900013
MtrCurrQaxRef_Amp_M_f32[1]	83.0540009
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	0.90079999
MtrPosComputationDelay_Rad_M_f32[1]	2.43770003
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.930999994
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.063000001
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.893000007
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.76819998
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.670000017
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	0
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-784.130005
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	42.0777016
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.450700015
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	0
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-784.130005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	42.0777016
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.450700015
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	220.787994
k_DualEcuSignalScfFacSlew_UlspS_f32	88
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5103.45996
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.0370000005
k_MtrCtrlVirtualResQax_Ohm_f32	0.114
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	2.48790002
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.6000004
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	18.9482002
k_MtrVoltQaxIntegLoLim_Volt_f32	-11.6000004
k_MtrVoltVecuFiltEnable_Cnt_lgc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	7.15899992		
k_VoltSatQaxPolyCoeff_Uls_f32	6.94099998		
k_deadtimeVScale_Uls_f32	0.968999982		
t_CommOffsetTblX_Uls_u3p13[0]	1532		
t_CommOffsetTblX_Uls_u3p13[1]	2851		
t_CommOffsetTblY_Cnt_u16[0]	158		
t_CommOffsetTblY_Cnt_u16[1]	544		
target_MtrCntri_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr	0		
target_MtrCntri_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr	0		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_Igc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr	0		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	-149.003006		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4983		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	5.72399998		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	4983	4983	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-213.811005	-213.811005 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	0.16656135	0.166561365 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	4.84213591	4.84213591 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	9754	9754 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.074000001	0.074000001 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.68 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-216.921997
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-184.923996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0160000008
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.123000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.598999977
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.00399995
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	324.985992
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-932.651978
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0170000009

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.075000003		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0710000023		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.528999984		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.03900003		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	139.416		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-482.338013		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-4.91699982		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.9359999		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-9.61999989		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-0.206		
MtrCtrl_Vecu_Volt_M_f32[0]	22.7800007		
MtrCtrl_Vecu_Volt_M_f32[1]	25.1399994		
MtrCurrDaxPrevIntg_Volt_M_f32	-18.1529999		
MtrCurrDaxRef_Amp_M_f32[0]	-213.026993		
MtrCurrDaxRef_Amp_M_f32[1]	-66.7229996		
MtrCurrQaxCog_Amp_M_f32	0		
MtrCurrQaxPrevIntg_Volt_M_f32	29.9225006		
MtrCurrQaxRef_Amp_M_f32[0]	-105.246002		
MtrCurrQaxRef_Amp_M_f32[1]	41.6290016		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	2.19400001		
MtrPosComputationDelay_Rad_M_f32[1]	2.15840006		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.907999992		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.064000003		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.222000003		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.957899988		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.731999993		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	386.220001		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	42.2845001		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.870100021		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	0		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	386.220001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	42.2845001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.870100021		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	1457.72998		
k_DualEcuSignalScfFacSlew_UlspS_f32	89.1999969		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4901.47021		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.0680000037		
k_MtrCtrlVirualResQax_Ohm_f32	0.0299999993		
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	12.7781		
k_MtrVoltDaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	30.2348995		
k_MtrVoltQaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltVecuFiltEnable_Cnt_Igc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	13.868		
k_VoltSatQaxPolyCoeff_Uls_f32	24.8209991		
k_deadtimeVScale_Uls_f32	0.996999979		
t_CommOffsetTblX_Uls_u3p13[0]	4162		
t_CommOffsetTblX_Uls_u3p13[1]	8053		
t_CommOffsetTblY_Cnt_u16[0]	565		
t_CommOffsetTblY_Cnt_u16[1]	1207		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-124.758003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3029		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.3040009		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1207	1207	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	65339	65339 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-105.246002	-105.246002 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	20.4891834	20.4891834 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-9.79861736	-9.79861736 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	43921	43921 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓

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Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.0528500043	0.0528500043 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.69 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	138.595001
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-157.388
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0759999976
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0500000007
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.169
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.234999999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	643.937012
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-774.807983
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0560000017
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.34399998
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.00300002
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	144.895996
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	675.440002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-10.6440001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-11.8400002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-12.2150002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	0.874000013
MtrCtrl_Vecu_Volt_M_f32[0]	21.2910004
MtrCtrl_Vecu_Volt_M_f32[1]	23.6509991
MtrCurrDaxPrevIntg_Volt_M_f32	-6.90899992
MtrCurrDaxRef_Amp_M_f32[0]	-212.632996
MtrCurrDaxRef_Amp_M_f32[1]	-205.085007
MtrCurrQaxCog_Amp_M_f32	70.6559982
MtrCurrQaxPrevIntg_Volt_M_f32	24.0646
MtrCurrQaxRef_Amp_M_f32[0]	-213.026993
MtrCurrQaxRef_Amp_M_f32[1]	-66.7229996
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-1.39279997
MtrPosComputationDelay_Rad_M_f32[1]	-1.38090003
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.0250000004
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.0649999976
PICurrCntl_InverterFailScfFac_Uls_M_f32	0.723999977

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.785399973		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0450000018		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	43.7542992		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.50029999		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	43.7542992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.50029999		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	5655.9502		
k_DualEcuSignalScfFacSlew_UlspS_f32	90.4000015		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4407.62012		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.0579999983		
k_MtrCtrlVirualResQax_Ohm_f32	0.191		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	10.6548996		
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	13.8830004		
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-5.80900002		
k_VoltSatQaxPolyCoeff_Uls_f32	1.51699996		
k_deadtimeVScale_Uls_f32	0.986000001		
t_CommOffsetTblX_Uls_u3p13[0]	5153		
t_CommOffsetTblX_Uls_u3p13[1]	8027		
t_CommOffsetTblY_Cnt_u16[0]	164		
t_CommOffsetTblY_Cnt_u16[1]	921		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2959		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	20.6149998		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	921	921	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	64618	64618 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-137.378998	-137.378998 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	11.8574018	11.8574009 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-20.0803146	-20.0803146 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	12801	12801 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0762999952	0.0762999952 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.70 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-100.282997
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-120.248001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0649999976
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0920000002
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.41799998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.275000006
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	747.85199
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-144.074005
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.05900002
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.105999999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	675.771973
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	1006.70001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-12.7250004
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-6.00099993
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	22.180998
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-11.0150003
MtrCtrl_Vecu_Volt_M_f32[0]	12.1129999
MtrCtrl_Vecu_Volt_M_f32[1]	14.4729996
MtrCurrDaxPrevIntg_Volt_M_f32	-14.8070002
MtrCurrDaxRef_Amp_M_f32[0]	205.820999
MtrCurrDaxRef_Amp_M_f32[1]	-206.792007
MtrCurrQaxCog_Amp_M_f32	-111.970001
MtrCurrQaxPrevIntg_Volt_M_f32	11.6198997
MtrCurrQaxRef_Amp_M_f32[0]	-212.632996
MtrCurrQaxRef_Amp_M_f32[1]	-205.085007
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.94420004
MtrPosComputationDelay_Rad_M_f32[1]	-2.26290011
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.0820000023
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0659999996
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.128999993
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.530900002
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.677999973
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-10.21
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	16.2423992
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.400099993
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-10.21
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	16.2423992
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.400099993
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	7814.10986
k_DualEcuSignalScfFacSlew_UlspS_f32	91.5999985
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	3404.45996
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.0659999996
k_MtrCtrlVirtualResQax_Ohm_f32	0.0670000017
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	23.7416
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	30.2787991
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998
k_MtrVoltVecuFiltEnable_Cnt_lgc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-21.8419991		
k_VoltSatQaxPolyCoeff_Uls_f32	-0.100000001		
k_deadtimeVScale_Uls_f32	0.978999972		
t_CommOffsetTblX_Uls_u3p13[0]	2802		
t_CommOffsetTblX_Uls_u3p13[1]	3899		
t_CommOffsetTblY_Cnt_u16[0]	12		
t_CommOffsetTblY_Cnt_u16[1]	15		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1011		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	79.6729965		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	15	15	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	56799	56799 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-93.1150055	-93.1150055 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-6.00099993	-6.00099993 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-11.0150003	-11.0150003 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	14368	14368 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0545499995	0.0545499995 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.71 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-68.6760025
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-96.776001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.023
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.14400005
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.58899999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	734.922974
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	615.338989
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.123000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0460000001

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.216999993		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.522000015		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-153.945007		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-664.44397		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	0.779999971		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-18.3120003		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-23.6089993		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-14.04		
MtrCtrl_Vecu_Volt_M_f32[0]	20.3600006		
MtrCtrl_Vecu_Volt_M_f32[1]	22.7199993		
MtrCurrDaxPrevIntg_Volt_M_f32	-19.6690006		
MtrCurrDaxRef_Amp_M_f32[0]	-69.0940018		
MtrCurrDaxRef_Amp_M_f32[1]	161.973007		
MtrCurrQaxCog_Amp_M_f32	-72.4260025		
MtrCurrQaxPrevIntg_Volt_M_f32	28.9094009		
MtrCurrQaxRef_Amp_M_f32[0]	-132.813004		
MtrCurrQaxRef_Amp_M_f32[1]	-9.14299965		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	1.75950003		
MtrPosComputationDelay_Rad_M_f32[1]	-2.1559		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.261000007		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0670000017		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.728999972		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.386200011		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-717.299988		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	570.700012		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	83.4807968		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.745700002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-717.299988		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	83.4807968		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.745700002		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	2013.56995		
k_DualEcuSignalScfFacSlew_UlspS_f32	92.8000031		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	944.638977		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.126000002		
k_MtrCtrlVirualResQax_Ohm_f32	0.0670000017		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	0.694800019		
k_MtrVoltDaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	27.6896992		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-8.64500046		
k_VoltSatQaxPolyCoeff_Uls_f32	-10.3520002		
k_deadtimeVScale_Uls_f32	0.987999976		
t_CommOffsetTblX_Uls_u3p13[0]	4686		
t_CommOffsetTblX_Uls_u3p13[1]	6119		
t_CommOffsetTblY_Cnt_u16[0]	557		
t_CommOffsetTblY_Cnt_u16[1]	678		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-198.285995		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3142		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	0.486999989		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	678	678	✓
MtrCntrl_Write_Modldx_Uls_u16p16(val)	64749	64749 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-60.387001	-60.387001 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	20.0507793	20.0507793 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-1.61457312	-1.614573 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	35574	35574 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0.694800019	0.694800019	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0786000043	0.0786000043 ± 0.0625	✓

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.72 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-139.906998
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	115.814003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0540000014
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0560000017
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.88999999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.33099997
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-329.475006
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-304.359985
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.075000003
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0710000023
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0340000018
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.104999997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.384000003
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.620999992
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	794.978027
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-414.11499
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-7.04099989
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-21.3549995
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-21.1959991
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-4.78100014
MtrCtrl_Vecu_Volt_M_f32[0]	5.33099985
MtrCtrl_Vecu_Volt_M_f32[1]	7.69099998
MtrCurrDaxPrevIntg_Volt_M_f32	24.066
MtrCurrDaxRef_Amp_M_f32[0]	-132.813004
MtrCurrDaxRef_Amp_M_f32[1]	-9.14299965
MtrCurrQaxCog_Amp_M_f32	83.9489975
MtrCurrQaxPrevIntg_Volt_M_f32	19.3868999
MtrCurrQaxRef_Amp_M_f32[0]	-146.173996
MtrCurrQaxRef_Amp_M_f32[1]	-213.335007
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.70140004
MtrPosComputationDelay_Rad_M_f32[1]	1.77929997
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.479000002
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0680000037
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.882000029
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.258100003
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1

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Name	Input Value		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	65.649498		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.843400002		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	65.649498		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.843400002		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7558.6001		
k_DualEcuSignalScfFacSlew_UlspS_f32	94		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	3548.41992		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.126000002		
k_MtrCtrlVirtualResQax_Ohm_f32	0.179000005		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	24.4853992		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	9.72780037		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-4.80100012		
k_VoltSatQaxPolyCoeff_Uls_f32	19.4750004		
k_deadtimeVScale_Uls_f32	0.985000014		
t_CommOffsetTblX_Uls_u3p13[0]	1139		
t_CommOffsetTblX_Uls_u3p13[1]	7438		
t_CommOffsetTblY_Cnt_u16[0]	268		
t_CommOffsetTblY_Cnt_u16[1]	1844		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4704		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-190.440994		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1844	1844	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	64552	64552 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	5.92555666	5.92555618 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	4.71996021	4.71996021 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	27927	27927 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0562500022	0.0562500022 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.73 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-82.2979965
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	46.8180008
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.041000011
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.104999997
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.03900003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.26999998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	964.854004
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-233.382004
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0949999988
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0179999992
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.765999973
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.43099999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	887.062988
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	250.690994
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	6.24700022
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	3.82500005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-22.7129993
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-20.4500008
MtrCtrl_Vecu_Volt_M_f32[0]	18.2229996
MtrCtrl_Vecu_Volt_M_f32[1]	20.5830002
MtrCurrDaxPrevIntg_Volt_M_f32	-21.9330006
MtrCurrDaxRef_Amp_M_f32[0]	-146.173996
MtrCurrDaxRef_Amp_M_f32[1]	-213.335007
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	19.6061993
MtrCurrQaxRef_Amp_M_f32[0]	-91.4420013
MtrCurrQaxRef_Amp_M_f32[1]	133.692993
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.779100001
MtrPosComputationDelay_Rad_M_f32[1]	-2.89840007
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.324000001
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0689999983
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.540000021
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.153999999
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.930000007
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-657.130005
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	95.354599
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.241500005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-657.130005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	95.354599
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.241500005
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	2668.02002
k_DualEcuSignalScfFacSlew_UlspS_f32	95.1999969
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	791.747986
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.0839999989
k_MtrCtrlVirtualResQax_Ohm_f32	0.128999993
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	19.6718006
k_MtrVoltDaxIntegLoLim_Volt_f32	-25.6000004
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	13.4462996
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004
k_MtrVoltVecuFiltEnable_Cnt_lgc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	1.19500005		
k_VoltSatQaxPolyCoeff_Uls_f32	-18.6650009		
k_deadtimeVScale_Uls_f32	0.963999987		
t_CommOffsetTblX_Uls_u3p13[0]	2449		
t_CommOffsetTblX_Uls_u3p13[1]	2875		
t_CommOffsetTblY_Cnt_u16[0]	135		
t_CommOffsetTblY_Cnt_u16[1]	1455		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr	0		
target_MtrCntri_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr	1		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_Igc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr	0		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	654		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	83.9489975		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	654	654	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	1.69637311	1.69637322 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	4.51162004	4.51162052 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	39056	39056 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.0808999985	0.0808999985 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.74 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	160.044006
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	165.242004
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.123000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.967999995
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.12600005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-115.790001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	183.574997
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.00899999961

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Name	Input Value		
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.0939999968		
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.0280000009		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.62800002		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.66900003		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-689.698975		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	753.629028		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	18.1280003		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-29.3299999		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.2380009		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	27.3910007		
MtrCtrl_Vecu_Volt_M_f32[0]	25.7329998		
MtrCtrl_Vecu_Volt_M_f32[1]	28.0930004		
MtrCurrDaxPrevIntg_Volt_M_f32	-14.8500004		
MtrCurrDaxRef_Amp_M_f32[0]	-91.4420013		
MtrCurrDaxRef_Amp_M_f32[1]	133.692993		
MtrCurrQaxCog_Amp_M_f32	80.8180008		
MtrCurrQaxPrevIntg_Volt_M_f32	3.95619988		
MtrCurrQaxRef_Amp_M_f32[0]	171.485992		
MtrCurrQaxRef_Amp_M_f32[1]	163.787003		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	2.79419994		
MtrPosComputationDelay_Rad_M_f32[1]	-2.36879992		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.538999975		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0700000003		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.671000004		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.321999997		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-194.190002		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	68.892601		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.91109997		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-194.190002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	68.892601		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.91109997		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6474.75		
k_DualEcuSignalScfFacSlew_UlspS_f32	96.4000015		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	5821.56006		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.187999994		
k_MtrCtrlVirualResQax_Ohm_f32	0.0480000004		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	28.8398991		
k_MtrVoltDaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	16.0121994		
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	21.8379993		
k_VoltSatQaxPolyCoeff_Uls_f32	-10.9659996		
k_deadtimeVScale_Uls_f32	0.972000003		
t_CommOffsetTblX_Uls_u3p13[0]	4153		
t_CommOffsetTblX_Uls_u3p13[1]	8176		
t_CommOffsetTblY_Cnt_u16[0]	434		
t_CommOffsetTblY_Cnt_u16[1]	1438		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	1.62199998		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1246		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-144.667007		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1246	1246	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	82.9690018	82.9690018 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-3.55194187	-3.55194139 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	3.31712389	3.31712341 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	32280	32280 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	28.8398991	28.8398991	✔

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Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.0579499975	0.0579499975 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModlIdxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModlIdxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModlIdx_Uls_u16p16	1	MtrCntl_Write_ModlIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.75 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_ModlIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModlIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-65.1900024
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-216.972
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.115999997
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.115999997
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.075000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0710000023
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.938000023
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.98699999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-751.672974
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	758.984985
MtrCtrl_MtrlmpedDax_Ohm_M_f32[0]	0.123000003
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.046000001
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.87199998
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.86800003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	881.539001
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	971.434998
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-1.92999995
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	0.432000011
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-17.2689991
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	15.2200003
MtrCtrl_Vecu_Volt_M_f32[0]	17.7010002
MtrCtrl_Vecu_Volt_M_f32[1]	20.0610008
MtrCurrDaxPrevIntg_Volt_M_f32	-21.5599995
MtrCurrDaxRef_Amp_M_f32[0]	171.485992
MtrCurrDaxRef_Amp_M_f32[1]	163.787003
MtrCurrQaxCog_Amp_M_f32	-44.2579994
MtrCurrQaxPrevIntg_Volt_M_f32	15.5335999
MtrCurrQaxRef_Amp_M_f32[0]	106.072998
MtrCurrQaxRef_Amp_M_f32[1]	-112.455002
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	0.463400006
MtrPosComputationDelay_Rad_M_f32[1]	1.54390001
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.47299999

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Name	Input Value		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0710000023		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0410000011		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.142000005		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	386.220001		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	20.7000008		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	82.1283035		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.396600008		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	386.220001		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	20.7000008		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	82.1283035		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.396600008		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6937.75977		
k_DualEcuSignalScfFacSlew_UlspS_f32	97.5999985		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	3932.20996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0869999975		
k_MtrCtrlVirtualResQax_Ohm_f32	0.175999999		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	2.12940001		
k_MtrVoltDaxIntegLoLim_Volt_f32	-12.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	28.5435009		
k_MtrVoltQaxIntegLoLim_Volt_f32	-11.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	14.7320004		
k_VoltSatQaxPolyCoeff_Uls_f32	9.23999977		
k_deadtimeVScale_Uls_f32	0.967999995		
t_CommOffsetTblX_Uls_u3p13[0]	4776		
t_CommOffsetTblX_Uls_u3p13[1]	7741		
t_CommOffsetTblY_Cnt_u16[0]	1756		
t_CommOffsetTblY_Cnt_u16[1]	1670		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1865		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-44.2579994		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1715	1715	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	49741	49741 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-68.1970062	-68.1970062 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	0.432000011	0.432000011 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	15.2200003	15.2200003 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	16399	16399 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0832000002	0.0832000002 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_ModlDx_Uls_u16p16	1	MtrCntrl_Write_ModlDx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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PICurrCntrl_Per1

Test Step 2.76 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_lvrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_lvrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-146.723007
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-121.943001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.68200004
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.48800004
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-133.520004
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-739.294006
MtrCtrl_MtrlmpedDax_Ohm_M_f32[0]	0.0340000018
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.104999997
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.337000012
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.964999974
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	481.321014
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	577.322998
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-8.4989996
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	13.1389999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-4.91699982
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-13.9359999
MtrCtrl_Vecu_Volt_M_f32[0]	18.5559998
MtrCtrl_Vecu_Volt_M_f32[1]	20.9160004
MtrCurrDaxPrevIntg_Volt_M_f32	1.12
MtrCurrDaxRef_Amp_M_f32[0]	106.072998
MtrCurrDaxRef_Amp_M_f32[1]	-112.455002
MtrCurrQaxCog_Amp_M_f32	-40.9220009
MtrCurrQaxPrevIntg_Volt_M_f32	28.4825993
MtrCurrQaxRef_Amp_M_f32[0]	24.6130009
MtrCurrQaxRef_Amp_M_f32[1]	-20.9400005
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.37339997
MtrPosComputationDelay_Rad_M_f32[1]	-2.12700009
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.134000003
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0719999969
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0390000008
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.5352
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	

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Name	Input Value		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	20.9039993		
k_VoltSatQaxPolyCoeff_Uls_f32	-4.77099991		
k_deadtimeVScale_Uls_f32	0.985000014		
t_CommOffsetTblX_Uls_u3p13[0]	492		
t_CommOffsetTblX_Uls_u3p13[1]	7840		
t_CommOffsetTblY_Cnt_u16[0]	589		
t_CommOffsetTblY_Cnt_u16[1]	1202		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntri_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	121.994003		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	812		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	-40.9220009		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	812	812	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	65.5350037	65.5350037 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	-4.26297998	-4.26297998 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	-2.46629858	-2.46629858 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	18926	18926 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.0596499965	0.0596499965 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.77 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.04700005
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.331999987
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	965.18103
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	180.692001
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0270000007

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Name	Input Value		
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.0149999997		
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.0209999997		
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.0659999996		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.88900006		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.802999973		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-940.226013		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-976.195007		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-17.1070004		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	15.9390001		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.1280003		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-29.3299999		
MtrCtrl_Vecu_Volt_M_f32[0]	21.3729992		
MtrCtrl_Vecu_Volt_M_f32[1]	23.7329998		
MtrCurrDaxPrevIntg_Volt_M_f32	-22.2029991		
MtrCurrDaxRef_Amp_M_f32[0]	24.6130009		
MtrCurrDaxRef_Amp_M_f32[1]	-20.9400005		
MtrCurrQaxCog_Amp_M_f32	-207.917999		
MtrCurrQaxPrevIntg_Volt_M_f32	-31		
MtrCurrQaxRef_Amp_M_f32[0]	-166.035004		
MtrCurrQaxRef_Amp_M_f32[1]	183.065002		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-1.03180003		
MtrPosComputationDelay_Rad_M_f32[1]	2.37590003		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.216000006		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0729999989		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.023		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.945299983		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.112999998		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	947.73999		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-717.299988		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	94.2040024		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.323000014		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	947.73999		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-717.299988		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	94.2040024		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.323000014		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7138.00977		
k_DualEcuSignalScfFacSlew_UlspS_f32	100		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	7847.91016		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.0930000022		
k_MtrCtrlVirualResQax_Ohm_f32	0.050999999		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	3.55049992		
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	5.07770014		
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-5.18900013		
k_VoltSatQaxPolyCoeff_Uls_f32	-7.39099979		
k_deadtimeVScale_Uls_f32	0.986000001		
t_CommOffsetTblX_Uls_u3p13[0]	2834		
t_CommOffsetTblX_Uls_u3p13[1]	3595		
t_CommOffsetTblY_Cnt_u16[0]	1165		
t_CommOffsetTblY_Cnt_u16[1]	1651		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-41.5750008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	744		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	75.0830002		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	744	744	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	41.8829956	41.8829956 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-3.38360167	-3.38360167 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	3.58554578	3.58554578 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	46884	46884 ± 1.52588E-05	✔

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Name	Actual Value	Expected Value	Result
MtrCurrDaxPrevIntg_Volt_M_f32	3.55049992	3.55049992	✓
PICurrCntl_DualEcuFailSciFac_Uls_M_f32	0.0855000019	0.0855000019 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSciFac	1	LoaMtgnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModlDx_Uls_u16p16	1	MtrCntl_Write_ModlDx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.78 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	37.4550018
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-2.84500003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0160000008
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.123000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.41499996
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.848999977
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-824.46698
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	454.670013
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0769999996
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0299999993
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0719999969
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0289999992
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.196999997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.954
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-729.622009
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	640.599976
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	0.908999979
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.0249996
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-1.92999995
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	0.432000011
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995
MtrCurrDaxPrevIntg_Volt_M_f32	26.6639996
MtrCurrDaxRef_Amp_M_f32[0]	-166.035004
MtrCurrDaxRef_Amp_M_f32[1]	183.065002
MtrCurrQaxCog_Amp_M_f32	-198.285995
MtrCurrQaxPrevIntg_Volt_M_f32	31
MtrCurrQaxRef_Amp_M_f32[0]	140.289001
MtrCurrQaxRef_Amp_M_f32[1]	178.235992
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	0.108199999
MtrPosComputationDelay_Rad_M_f32[1]	2.61420012

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Name	Input Value		
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.810000002		
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.074000001		
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.0489999987		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.932299972		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0469999984		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	269.399994		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-453.029999		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	6.96400023		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.331699997		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	269.399994		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	-453.029999		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	6.96400023		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.331699997		
k_CLOAFdbckSignalSciFacSlew_UlspS_f32	1416.70996		
k_DualEcuSignalSciFacSlew_UlspS_f32	101.199997		
k_ILOAFdbckSignalSciFacSlew_UlspS_f32	5107.18018		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.057		
k_MtrCtrlVirtualResQax_Ohm_f32	0.179000005		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	8.02270031		
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	24.8586998		
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-11.7589998		
k_VoltSatQaxPolyCoeff_Uls_f32	-7.63000011		
k_deadtimeVScale_Uls_f32	0.984000027		
t_CommOffsetTblX_Uls_u3p13[0]	2154		
t_CommOffsetTblX_Uls_u3p13[1]	6783		
t_CommOffsetTblY_Cnt_u16[0]	297		
t_CommOffsetTblY_Cnt_u16[1]	1110		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-190.440994		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	253		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-190.440994		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1110	1110	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	64487	64487 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	7.3597517	7.35975122 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	0.15122059	0.151220575 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	43437	43437 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.0613500029	0.0613500029 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnSciFac	1	LoaMtgtnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓



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Name	Input Value		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	19.0599995		
k_VoltSatQaxPolyCoeff_Uls_f32	14.7340002		
k_deadtimeVScale_Uls_f32	0.970000029		
t_CommOffsetTblX_Uls_u3p13[0]	418		
t_CommOffsetTblX_Uls_u3p13[1]	4570		
t_CommOffsetTblY_Cnt_u16[0]	23		
t_CommOffsetTblY_Cnt_u16[1]	212		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	83.9489975		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4760		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	83.9489975		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	4760	4760	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-44.4560013	-44.4560013 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-2.51786757	-2.51786757 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	4.14521933	4.14521933 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	39666	39666 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.0878000036	0.0878000036 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSciFac	1	LoaMtgnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.80 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr	target_MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum_Val	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	212.455994
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	89.8619995
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.085000009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0270000007
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0149999997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.20599997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.90699995
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-304.572998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	299.334991

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Name	Input Value		
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.0850000009		
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.112999998		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0529999994		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.0939999968		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.85399997		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.39999998		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	778.853027		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-658.843994		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	18.6380005		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-23.1870003		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-9.60900021		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	26.3260002		
MtrCtrl_Vecu_Volt_M_f32[0]	14.243		
MtrCtrl_Vecu_Volt_M_f32[1]	16.6030006		
MtrCurrDaxPrevIntg_Volt_M_f32	-9.86299992		
MtrCurrDaxRef_Amp_M_f32[0]	91.8850021		
MtrCurrDaxRef_Amp_M_f32[1]	182.261002		
MtrCurrQaxCog_Amp_M_f32	59.7319984		
MtrCurrQaxPrevIntg_Volt_M_f32	13.4132004		
MtrCurrQaxRef_Amp_M_f32[0]	-218.035004		
MtrCurrQaxRef_Amp_M_f32[1]	11.6370001		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	2.10890007		
MtrPosComputationDelay_Rad_M_f32[1]	0.785000026		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.144999996		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0759999976		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.995999992		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.702400029		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.208000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-784.130005		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	5.05210018		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.2227		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-784.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	5.05210018		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.2227		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	3857.37988		
k_DualEcuSignalScfFacSlew_UlspS_f32	103.599998		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	2438.91992		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0970000029		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0659999996		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	1.79429996		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	8.95400047		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-12.4820004		
k_VoltSatQaxPolyCoeff_Uls_f32	10.7770004		
k_deadtimeVScale_Uls_f32	0.971000016		
t_CommOffsetTblX_Uls_u3p13[0]	2163		
t_CommOffsetTblX_Uls_u3p13[1]	5439		
t_CommOffsetTblY_Cnt_u16[0]	237		
t_CommOffsetTblY_Cnt_u16[1]	383		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-144.667007		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1062		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-144.667007		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	383	383	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	63635	63635 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-48.0949974	-48.0949974 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-10.6555309	-10.6555309 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	12.0980501	12.0980501 ± 4.88E-04	✓

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Name	Actual Value	Expected Value	Result
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	656	656 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.0630499944	0.0630499944 ± 0.0625	✓

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Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModlDx_Uls_u16p16	1	MtrCntl_Write_ModlDx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.81 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-108.124001
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	178.639008
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0299999993
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.880999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.54700005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-747.278992
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-161.845993
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0170000009
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.0410000011
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.050999999
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.836000025
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	1011.37
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	886.40802
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-8.61900043
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.1560001
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	23.4519997
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-14.2340002
MtrCtrl_Vecu_Volt_M_f32[0]	13.3629999
MtrCtrl_Vecu_Volt_M_f32[1]	15.7229996
MtrCurrDaxPrevIntg_Volt_M_f32	-27.6060009
MtrCurrDaxRef_Amp_M_f32[0]	-218.035004
MtrCurrDaxRef_Amp_M_f32[1]	11.6370001
MtrCurrQaxCog_Amp_M_f32	1.62199998
MtrCurrQaxPrevIntg_Volt_M_f32	-5.69140005
MtrCurrQaxRef_Amp_M_f32[0]	-216.921997
MtrCurrQaxRef_Amp_M_f32[1]	-184.923996
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.556900024
MtrPosComputationDelay_Rad_M_f32[1]	-2.69639993
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.354999989

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Name	Input Value		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0769999996		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.851999998		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.345699996		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0850000009		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	386.220001		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	69.3029022		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.383899987		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	386.220001		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	69.3029022		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.383899987		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	3045.54004		
k_DualEcuSignalScfFacSlew_UlspS_f32	104.800003		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4138.33984		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.063000001		
k_MtrCtrlVirtualResQax_Ohm_f32	0.101999998		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	18.9549007		
k_MtrVoltDaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	16.6681995		
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-2.83899999		
k_VoltSatQaxPolyCoeff_Uls_f32	-14.1759996		
k_deadtimeVScale_Uls_f32	0.990999997		
t_CommOffsetTblX_Uls_u3p13[0]	1162		
t_CommOffsetTblX_Uls_u3p13[1]	1932		
t_CommOffsetTblY_Cnt_u16[0]	71		
t_CommOffsetTblY_Cnt_u16[1]	676		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.3040009		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	4	4	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-218.543991	-218.543991 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	2.26559305	2.26559305 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.40671206	-4.40671206 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	22006	22006 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0900999978	0.0900999978 ± 0.0625	✔

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Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.82 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-76.8769989
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-153.238998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.70299995
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.44000006
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	317.347992
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-582.065002
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0130000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0970000029
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.21300006
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.16400003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	72.6969986
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-560.289978
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-27.0669994
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	28.1070004
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	26.3199997
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	18.0170002
MtrCtrl_Vecu_Volt_M_f32[0]	24.8479996
MtrCtrl_Vecu_Volt_M_f32[1]	27.2080002
MtrCurrDaxPrevIntg_Volt_M_f32	-31
MtrCurrDaxRef_Amp_M_f32[0]	-216.921997
MtrCurrDaxRef_Amp_M_f32[1]	-184.923996
MtrCurrQaxCog_Amp_M_f32	-126.640999
MtrCurrQaxPrevIntg_Volt_M_f32	0.200000003
MtrCurrQaxRef_Amp_M_f32[0]	-82.2979965
MtrCurrQaxRef_Amp_M_f32[1]	46.8180008
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	1.93110001
MtrPosComputationDelay_Rad_M_f32[1]	2.75889993
PlCurrCntl_CurrSensFailScfFac_Uls_M_f32	0.661000013
PlCurrCntl_DualEcuFailScfFac_Uls_M_f32	0.0780000016

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Name	Input Value		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.606999993		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.201399997		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.564999998		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	56.7700005		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.200399995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	56.7700005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.200399995		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	874.497986		
k_DualEcuSignalScfFacSlew_UlspS_f32	106		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	1758.53003		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.156000003		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0890000015		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	6.24860001		
k_MtrVoltDaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	18.9195995		
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	13.8400002		
k_VoltSatQaxPolyCoeff_Uls_f32	7.34399986		
k_deadtimeVScale_Uls_f32	0.964999974		
t_CommOffsetTblX_Uls_u3p13[0]	1892		
t_CommOffsetTblX_Uls_u3p13[1]	4832		
t_CommOffsetTblY_Cnt_u16[0]	912		
t_CommOffsetTblY_Cnt_u16[1]	1211		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	20.6149998		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2780		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1211	1211	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63242	63242 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	44.3430023	44.3430023 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-7.7531743	-7.75317383 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	22.6902637	22.6902637 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	16708	16708 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-10.5	-10.5	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0647500008	0.0647500008 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓	
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓	
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓	
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓	
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓	

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Test Step 2.83 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	191.369003
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	107.137001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0560000017
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.174999997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.270999998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	317.493011
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	653.375977
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0560000017
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.107000001
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0109999999
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.89100003
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.17499995
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	345.561005
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	325.127991
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-24.052
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.3250008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-8.35299969
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-29.7590008
MtrCtrl_Vecu_Volt_M_f32[0]	29.0240002
MtrCtrl_Vecu_Volt_M_f32[1]	30.2299995
MtrCurrDaxPrevIntg_Volt_M_f32	31
MtrCurrDaxRef_Amp_M_f32[0]	138.595001
MtrCurrDaxRef_Amp_M_f32[1]	-157.388
MtrCurrQaxCog_Amp_M_f32	121.994003
MtrCurrQaxPrevIntg_Volt_M_f32	27.8124008
MtrCurrQaxRef_Amp_M_f32[0]	160.044006
MtrCurrQaxRef_Amp_M_f32[1]	165.242004
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.59809995
MtrPosComputationDelay_Rad_M_f32[1]	-0.516900003
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.261999995
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0790000036
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.382999986
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.419499993
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.226999998
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-10.21
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-304.940002
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	95.180397
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.65170002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-10.21
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-304.940002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	95.180397
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.65170002
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	6833.22998
k_DualEcuSignalScfFacSlew_UlspS_f32	107.199997
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	3531.6499
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.0309999995

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-19.1399994		
k_VoltSatQaxPolyCoeff_Uls_f32	-21.7269993		
k_deadtimeVScale_Uls_f32	0.981999993		
t_CommOffsetTblX_Uls_u3p13[0]	6349		
t_CommOffsetTblX_Uls_u3p13[1]	7225		
t_CommOffsetTblY_Cnt_u16[0]	49		
t_CommOffsetTblY_Cnt_u16[1]	735		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	-190.440994		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3088		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	-198.285995		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	735	735	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	64356	64356 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	38.0500031	38.0500031 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	26.9765892	26.9765873 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	9.19799137	9.19799137 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	40056	40056 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	23.7777004	23.7777004	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.0924000069	0.0924000069 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓	
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntl_Read_lvrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_lvrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓	

Test Step 2.84 (Repeat Count = 1)		✓
Name	Input Value	
FastDataAccessBufIndex_Cnt_M_u16	0	
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	
MtrCntl_Read_lvrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_lvrLoaMtgnEn_Cnt_lgc_ptr	
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val	
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val	
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-147.343002	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	127.972	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0359999985	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.075000003	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0280000009	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.26699996	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.0820000023	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-645.427979	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	733.924988	
MtrCtrl_MtrlmpedDax_Ohm_M_f32[0]	0.0359999985	
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.075000003	
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.0120000001	
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.0560000017	

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.03900003		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.528		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	643.85498		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	55.9690018		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-7.66699982		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	2.61400008		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-29.3959999		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-1.94000006		
MtrCtrl_Vecu_Volt_M_f32[0]	21.2989998		
MtrCtrl_Vecu_Volt_M_f32[1]	23.6590004		
MtrCurrDaxPrevIntg_Volt_M_f32	0		
MtrCurrDaxRef_Amp_M_f32[0]	-100.282997		
MtrCurrDaxRef_Amp_M_f32[1]	-120.248001		
MtrCurrQaxCog_Amp_M_f32	-41.5750008		
MtrCurrQaxPrevIntg_Volt_M_f32	22.0902996		
MtrCurrQaxRef_Amp_M_f32[0]	-65.1900024		
MtrCurrQaxRef_Amp_M_f32[1]	-216.972		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	2.90019989		
MtrPosComputationDelay_Rad_M_f32[1]	0.400099993		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.181999996		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0799999982		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.349999994		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.615199983		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.521000028		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	78.1542969		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.47240001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	78.1542969		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.47240001		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7388.58984		
k_DualEcuSignalScfFacSlew_UlspS_f32	108.400002		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4638.1499		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.123000003		
k_MtrCtrlVirualResQax_Ohm_f32	0.0130000003		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	9.58860016		
k_MtrVoltDaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	10.2995996		
k_MtrVoltQaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-11.0579996		
k_VoltSatQaxPolyCoeff_Uls_f32	14.974		
k_deadtimeVScale_Uls_f32	0.981999993		
t_CommOffsetTblX_Uls_u3p13[0]	3351		
t_CommOffsetTblX_Uls_u3p13[1]	5291		
t_CommOffsetTblY_Cnt_u16[0]	63		
t_CommOffsetTblY_Cnt_u16[1]	327		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	83.9489975		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4554		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	4554	4554	✓
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-23.6150017	-23.6150017 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	2.6695857	2.66958594 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.12085009	-4.12085056 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	57022	57022 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0664499998	0.0664499998 ± 0.0625	✓

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Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.85 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	6.18900013
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	83.0540009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.07999999982
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.09899999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.582000017
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.196999997
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	847.179993
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-586.309021
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.07999999982
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.09399999968
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.08799999995
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.351999998
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.83099997
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	808.513977
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	75.0500031
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-3.59500003
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-28.4209995
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-17.1070004
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	15.9390001
MtrCtrl_Vecu_Volt_M_f32[0]	21.3600006
MtrCtrl_Vecu_Volt_M_f32[1]	23.7199993
MtrCurrDaxPrevIntg_Volt_M_f32	17.9769993
MtrCurrDaxRef_Amp_M_f32[0]	-68.6760025
MtrCurrDaxRef_Amp_M_f32[1]	-96.776001
MtrCurrQaxCog_Amp_M_f32	48.8400002
MtrCurrQaxPrevIntg_Volt_M_f32	24.0972004
MtrCurrQaxRef_Amp_M_f32[0]	-146.723007
MtrCurrQaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.764100015
MtrPosComputationDelay_Rad_M_f32[1]	0.142299995
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.512000024
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.081000002
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.275000006

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.342900008		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.686999977		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	68.4229965		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.445100009		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	68.4229965		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.445100009		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	329.425995		
k_DualEcuSignalScfFacSlew_UlspS_f32	109.599998		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4506.12012		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.0189999994		
k_MtrCtrlVirualResQax_Ohm_f32	0.189999998		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	29.8101997		
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	30.8836002		
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	17.5830002		
k_VoltSatQaxPolyCoeff_Uls_f32	3.3670001		
k_deadtimeVScale_Uls_f32	0.986999989		
t_CommOffsetTblX_Uls_u3p13[0]	1450		
t_CommOffsetTblX_Uls_u3p13[1]	4529		
t_CommOffsetTblY_Cnt_u16[0]	889		
t_CommOffsetTblY_Cnt_u16[1]	1543		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-144.667007		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3203		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1543	1543	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	64684	64684 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-195.563004	-195.563004 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	12.3367414	12.3367414 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-17.0958786	-17.0958767 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	18278	18278 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0947000012	0.0947000012 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.86 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-105.246002
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	41.6290016
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.075000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0710000023
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0560000017
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.239999995
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.128999993
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-873.200012
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-251.832993
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.123000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0700000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.69299996
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.763999999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-639.518982
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	659.557007
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.3880005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	0.908999979
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	21.0249996
MtrCtrl_Vecu_Volt_M_f32[0]	22.3600006
MtrCtrl_Vecu_Volt_M_f32[1]	24.7199993
MtrCurrDaxPrevIntg_Volt_M_f32	-22.4580002
MtrCurrDaxRef_Amp_M_f32[0]	-139.906998
MtrCurrDaxRef_Amp_M_f32[1]	115.814003
MtrCurrQaxCog_Amp_M_f32	107.702003
MtrCurrQaxPrevIntg_Volt_M_f32	25.1226997
MtrCurrQaxRef_Amp_M_f32[0]	-208.287994
MtrCurrQaxRef_Amp_M_f32[1]	-27.9839993
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-1.32959998
MtrPosComputationDelay_Rad_M_f32[1]	1.80569994
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.84799999
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0820000023
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.224000007
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.133100003
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.143000007
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-194.190002
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-1048.76001
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	0.987200022
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.676100016
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-194.190002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-1048.76001
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	0.987200022
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.676100016
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	6782.70996
k_DualEcuSignalScfFacSlew_UlspS_f32	110.800003
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	1518.89001
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.180999994
k_MtrCtrlVirtualResQax_Ohm_f32	0.171000004
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	24.4330006
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	24.4650993
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998
k_MtrVoltVecuFiltEnable_Cnt_lgc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	10.5150003		
k_VoltSatQaxPolyCoeff_Uls_f32	-6.57200003		
k_deadtimeVScale_Uls_f32	0.972000003		
t_CommOffsetTblX_Uls_u3p13[0]	1663		
t_CommOffsetTblX_Uls_u3p13[1]	5979		
t_CommOffsetTblY_Cnt_u16[0]	771		
t_CommOffsetTblY_Cnt_u16[1]	1636		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	-144.667007		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1472		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	1.62199998		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	1636	1636	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	63700	63700 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-135.686005	-135.686005 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	-12.5343781	-12.5343781 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	-20.4994259	-20.4994259 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	57326	57326 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.0681499988	0.0681499988 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓	
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntl_Read_lvrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_lvrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓	

Test Step 2.87 (Repeat Count = 1)		✓
Name	Input Value	
FastDataAccessBufIndex_Cnt_M_u16	1	
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	
MtrCntl_Read_lvrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_lvrLoaMtgnEn_Cnt_lgc_ptr	
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val	
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val	
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0769999996	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.25300002	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.0610000007	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-237.227005	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	186.412003	
MtrCtrl_MtrlmpedDax_Ohm_M_f32[0]	0.115999997	
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.115999997	
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.0970000029	
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.0270000007	

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.61699998		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.86600006		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	896.210999		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-75.5360031		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.2420006		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	12.6160002		
MtrCtrl_Vecu_Volt_M_f32[0]	20.3600006		
MtrCtrl_Vecu_Volt_M_f32[1]	22.7199993		
MtrCurrDaxPrevIntg_Volt_M_f32	-22.4869995		
MtrCurrDaxRef_Amp_M_f32[0]	-82.2979965		
MtrCurrDaxRef_Amp_M_f32[1]	46.8180008		
MtrCurrQaxCog_Amp_M_f32	5.72399998		
MtrCurrQaxPrevIntg_Volt_M_f32	25.5816994		
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999		
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	1.33749998		
MtrPosComputationDelay_Rad_M_f32[1]	-1.13859999		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.768999994		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0829999968		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.68599999		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.566999972		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0989999995		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-194.190002		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	412.23999		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	64.4531021		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.970099986		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-194.190002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	412.23999		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	64.4531021		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.970099986		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	2259.41992		
k_DualEcuSignalScfFacSlew_UlspS_f32	112		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	6958.5498		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0219999999		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0149999997		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	14.9607		
k_MtrVoltDaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	0.550499976		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-24.7080002		
k_VoltSatQaxPolyCoeff_Uls_f32	7.73099995		
k_deadtimeVScale_Uls_f32	0.963		
t_CommOffsetTblX_Uls_u3p13[0]	2195		
t_CommOffsetTblX_Uls_u3p13[1]	6013		
t_CommOffsetTblY_Cnt_u16[0]	365		
t_CommOffsetTblY_Cnt_u16[1]	1530		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-144.667007		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1694		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1371	1371	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	43962	43962 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-192.119995	-192.119995 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	8.55099964	8.55099964 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	12.6160002	12.6160002 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	59873	59873 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0969999954	0.0969999954 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.88 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.10000002
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.16100001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	600.401001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-510.458008
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.709999979
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.37
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-807.60199
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-536.44397
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003
MtrCtrl_Vecu_Volt_M_f32[0]	14.243
MtrCtrl_Vecu_Volt_M_f32[1]	16.6030006
MtrCurrDaxPrevIntg_Volt_M_f32	29.1970005
MtrCurrDaxRef_Amp_M_f32[0]	160.044006
MtrCurrDaxRef_Amp_M_f32[1]	165.242004
MtrCurrQaxCog_Amp_M_f32	59.3040009
MtrCurrQaxPrevIntg_Volt_M_f32	3.13030005
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.95729995
MtrPosComputationDelay_Rad_M_f32[1]	1.63189995
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.602999985
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0839999989
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0450000018
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0560999997
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0469999984

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Name	Input Value		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	20.7000008		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	4.45230007		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.590499997		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	20.7000008		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	4.45230007		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.590499997		
k_CLOAFdbckSignalSclFacSlew_UlspS_f32	3135.04004		
k_DualEcuSignalSclFacSlew_UlspS_f32	113.199997		
k_ILOAFdbckSignalSclFacSlew_UlspS_f32	6729.4502		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0460000001		
k_MtrCtrlVirtualResQax_Ohm_f32	0.196999997		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	18.1431999		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	30.7143993		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-15.9820004		
k_VoltSatQaxPolyCoeff_Uls_f32	-19.8069992		
k_deadtimeVScale_Uls_f32	0.981000006		
t_CommOffsetTblX_Uls_u3p13[0]	3023		
t_CommOffsetTblX_Uls_u3p13[1]	3703		
t_CommOffsetTblY_Cnt_u16[0]	163		
t_CommOffsetTblY_Cnt_u16[1]	1236		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4486		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1236	1236	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	64290	64290 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-193.251007	-193.251007 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	8.86743355	8.86743259 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	10.7979689	10.7979679 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	41862	41862 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailSclFac_Uls_M_f32	0.0698499978	0.0698499978 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSclFac	1	LoaMtgnSclFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.89 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-132.813004
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-9.14299965
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.123000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0460000001
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.123000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.09300005
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.82000005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	2.95000005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-590.848999
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0170000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0410000011
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.216999993
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.446999997
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	20.6189995
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-802.844971
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-4.55999994
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-20.8330002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-8.61900043
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-13.1560001
MtrCtrl_Vecu_Volt_M_f32[0]	13.3629999
MtrCtrl_Vecu_Volt_M_f32[1]	15.7229996
MtrCurrDaxPrevIntg_Volt_M_f32	-23.1609993
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024
MtrCurrDaxRef_Amp_M_f32[1]	-216.972
MtrCurrQaxCog_Amp_M_f32	20.6149998
MtrCurrQaxPrevIntg_Volt_M_f32	1.44630003
MtrCurrQaxRef_Amp_M_f32[0]	-105.246002
MtrCurrQaxRef_Amp_M_f32[1]	41.6290016
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	0.698000014
MtrPosComputationDelay_Rad_M_f32[1]	1.64339995
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.0179999992
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0850000009
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0599999987
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0817999989
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-340.130005
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-1048.76001
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	64.245903
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0513000004
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-340.130005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-1048.76001
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	64.245903
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0513000004
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	3946.5
k_DualEcuSignalScfFacSlew_UlspS_f32	114.400002
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	3683.88989
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.00400000019
k_MtrCtrlVirtualResQax_Ohm_f32	0.145999998
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	5.50430012
k_MtrVoltDaxIntegLoLim_Volt_f32	-25.6000004
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	23.5613003
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004
k_MtrVoltVecuFiltEnable_Cnt_lgc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-1.58000004		
k_VoltSatQaxPolyCoeff_Uls_f32	24.8470001		
k_deadtimeVScale_Uls_f32	0.962000012		
t_CommOffsetTblX_Uls_u3p13[0]	6128		
t_CommOffsetTblX_Uls_u3p13[1]	7397		
t_CommOffsetTblY_Cnt_u16[0]	1081		
t_CommOffsetTblY_Cnt_u16[1]	1779		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	177.046997		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4823		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	177.046997		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1779	1779	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63045	63045 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	21.0140018	21.0140018 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-12.7889309	-12.7889309 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-8.07618523	-8.07618523 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	60418	60418 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0993000045	0.0993000045 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓	

Test Step 2.90 (Repeat Count = 1)		
Name	Input Value	
FastDataAccessBufIndex_Cnt_M_u16	1	
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	31.5869999	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-186.395996	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0340000018	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.104999997	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.115999997	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.115999997	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.47399998	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.90199995	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-146.214005	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-942.195007	
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994	
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009	
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994	
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.123000003	

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.49000001		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.959999979		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-53.862999		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	75.7020035		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-30.2169991		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	19.2049999		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-27.0669994		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	28.1070004		
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002		
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008		
MtrCurrDaxPrevIntg_Volt_M_f32	-18.5370007		
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007		
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001		
MtrCurrQaxCog_Amp_M_f32	79.6729965		
MtrCurrQaxPrevIntg_Volt_M_f32	21.3169994		
MtrCurrQaxRef_Amp_M_f32[0]	-146.173996		
MtrCurrQaxRef_Amp_M_f32[1]	-213.335007		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	0.28639999		
MtrPosComputationDelay_Rad_M_f32[1]	-0.813000023		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.400000006		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0860000029		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0590000004		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.231900007		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.337000012		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	22.2399998		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	16.5851002		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.887899995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	22.2399998		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	16.5851002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.887899995		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	2663.65991		
k_DualEcuSignalScfFacSlew_UlspS_f32	115.599998		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5194.8999		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.112000003		
k_MtrCtrlVirualResQax_Ohm_f32	0.0219999999		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	23.7327003		
k_MtrVoltDaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	19.5590992		
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-2.4230001		
k_VoltSatQaxPolyCoeff_Uls_f32	-21.368		
k_deadtimeVScale_Uls_f32	0.958999991		
t_CommOffsetTblX_Uls_u3p13[0]	6528		
t_CommOffsetTblX_Uls_u3p13[1]	8192		
t_CommOffsetTblY_Cnt_u16[0]	76		
t_CommOffsetTblY_Cnt_u16[1]	211		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-9.31999969		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	65		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-9.31999969		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	65	65	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	2.70515442	2.70515442 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	3.95906138	3.95906138 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	63308	63308 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0715500042	0.0715500042 ± 0.0625	✔

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Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.91 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-133.947006
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	75.7020035
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.094999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0179999992
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.558000028
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.505
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-763.603027
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	830.864014
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.115999997
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.115999997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.0810000002
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.354999989
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	657.155029
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-284.454987
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	22.7639999
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	9.54300022
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-24.052
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-25.3250008
MtrCtrl_Vecu_Volt_M_f32[0]	14.243
MtrCtrl_Vecu_Volt_M_f32[1]	16.6030006
MtrCurrDaxPrevIntg_Volt_M_f32	-10.9969997
MtrCurrDaxRef_Amp_M_f32[0]	-208.287994
MtrCurrDaxRef_Amp_M_f32[1]	-27.9839993
MtrCurrQaxCog_Amp_M_f32	0.486999989
MtrCurrQaxPrevIntg_Volt_M_f32	26.5330009
MtrCurrQaxRef_Amp_M_f32[0]	-91.4420013
MtrCurrQaxRef_Amp_M_f32[1]	133.692993
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	0.907299995
MtrPosComputationDelay_Rad_M_f32[1]	-1.30149996
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.533999979
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0869999975
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0460000001

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.339700013		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.492000014		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-453.029999		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	51.8735008		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.139899999		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-453.029999		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	51.8735008		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.139899999		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	10		
k_DualEcuSignalScfFacSlew_UlspS_f32	116.800003		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4664.1001		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.0250000004		
k_MtrCtrlVirualResQax_Ohm_f32	0.151999995		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	26.3267994		
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	16.5105991		
k_MtrVoltQaxIntegLoLim_Volt_f32	-11.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	11.9359999		
k_VoltSatQaxPolyCoeff_Uls_f32	-16.2380009		
k_deadtimeVScale_Uls_f32	0.950999975		
t_CommOffsetTblX_Uls_u3p13[0]	1106		
t_CommOffsetTblX_Uls_u3p13[1]	4701		
t_CommOffsetTblY_Cnt_u16[0]	363		
t_CommOffsetTblY_Cnt_u16[1]	989		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-161.352005		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3229		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-161.352005		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	989	989	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	62324	62324 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	133.205994	133.205994 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	14.7205381	14.7205372 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-5.71074629	-5.71074581 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	6669	6669 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.101599999	0.101599999 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.92 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	209.052002
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-124.994003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0939999968
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.1129999998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.039999996
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.82000005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-632.612
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-39.875
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0560000017
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.1129999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.465999991
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.62100005
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-201.291
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-817.749023
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_Vecu_Volt_M_f32[0]	13.3629999
MtrCtrl_Vecu_Volt_M_f32[1]	15.7229996
MtrCurrDaxPrevIntg_Volt_M_f32	-17.9279995
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxCog_Amp_M_f32	-190.440994
MtrCurrQaxPrevIntg_Volt_M_f32	26.2782993
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.787003
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	1.91369998
MtrPosComputationDelay_Rad_M_f32[1]	1.35399997
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.0900000036
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0879999995
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.88499999
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.660399973
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.535000026
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-826.23999
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	15.0881996
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.349099994
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-826.23999
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	15.0881996
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.349099994
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	8000
k_DualEcuSignalScfFacSlew_UlspS_f32	118
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5272.3999
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.179000005
k_MtrCtrlVirtualResQax_Ohm_f32	0.0209999997
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	24.5879993
k_MtrVoltDaxIntegLoLim_Volt_f32	-30.2000008
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	20.5517998
k_MtrVoltQaxIntegLoLim_Volt_f32	-30.2000008
k_MtrVoltVecuFiltEnable_Cnt_Igc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	24.6410007		
k_VoltSatQaxPolyCoeff_Uls_f32	20.0030003		
k_deadtimeVScale_Uls_f32	0.967999995		
t_CommOffsetTblX_Uls_u3p13[0]	687		
t_CommOffsetTblX_Uls_u3p13[1]	7234		
t_CommOffsetTblY_Cnt_u16[0]	341		
t_CommOffsetTblY_Cnt_u16[1]	370		
target_MtrCntri_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr	1		
target_MtrCntri_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr	0		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_Igc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr	0		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	-205.514999		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	389		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	-205.514999		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	389	389	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	-0.118355408	-0.118355393 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	-4.83855247	-4.83855247 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	47146	47146 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.0732499957	0.0732499957 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.93 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-200.556
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-98.4449997
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.495
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.398999989
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	184.223999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-915.817017
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.112999998

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.085000009		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.112999998		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.58099997		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.776000023		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-189.419998		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	896.187988		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-25.3770008		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.3880005		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-3.59500003		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-28.4209995		
MtrCtrl_Vecu_Volt_M_f32[0]	24.8479996		
MtrCtrl_Vecu_Volt_M_f32[1]	27.2080002		
MtrCurrDaxPrevIntg_Volt_M_f32	-9.66300011		
MtrCurrDaxRef_Amp_M_f32[0]	-133.947006		
MtrCurrDaxRef_Amp_M_f32[1]	75.7020035		
MtrCurrQaxCog_Amp_M_f32	83.9489975		
MtrCurrQaxPrevIntg_Volt_M_f32	9.36159992		
MtrCurrQaxRef_Amp_M_f32[0]	106.072998		
MtrCurrQaxRef_Amp_M_f32[1]	-112.455002		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-2.32159996		
MtrPosComputationDelay_Rad_M_f32[1]	0.166500002		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.155000001		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0890000015		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.158000007		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.768999994		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.565999985		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	58.6325989		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.559199989		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	58.6325989		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.559199989		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	1848.06995		
k_DualEcuSignalScfFacSlew_UlspS_f32	119.199997		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	6831.5		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0219999999		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0419999994		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	2.43009996		
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	24.5324001		
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	2.3499999		
k_VoltSatQaxPolyCoeff_Uls_f32	21.7280006		
k_deadtimeVScale_Uls_f32	0.957000017		
t_CommOffsetTblX_Uls_u3p13[0]	474		
t_CommOffsetTblX_Uls_u3p13[1]	6954		
t_CommOffsetTblY_Cnt_u16[0]	434		
t_CommOffsetTblY_Cnt_u16[1]	1438		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-118.848		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2090		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-118.848		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	2090	2090	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	22.1240005	22.1240005 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-4.73769617	-4.73769665 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-0.671159625	-0.671159685 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	23469	23469 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔

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Name	Actual Value	Expected Value	Result
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.1039	0.1039 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt				

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PICurrCntrl_Per1

Name	Input Value		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0900000036		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.158000007		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.147200003		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.565999985		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	947.73999		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	0.442999989		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.579999983		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	947.73999		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	0.442999989		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.579999983		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	100		
k_DualEcuSignalScfFacSlew_UlspS_f32	120.400002		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	6831.5		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0219999999		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0419999994		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	0.578599989		
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	9.73509979		
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	2.3499999		
k_VoltSatQaxPolyCoeff_Uls_f32	21.7280006		
k_deadtimeVScale_Uls_f32	0.957000017		
t_CommOffsetTblX_Uls_u3p13[0]	474		
t_CommOffsetTblX_Uls_u3p13[1]	6954		
t_CommOffsetTblY_Cnt_u16[0]	434		
t_CommOffsetTblY_Cnt_u16[1]	1438		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-118.848		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2090		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-118.848		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	2090	2090	✓
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	22.1240005	22.1240005 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-25.3770008	-25.3770008 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-3.59500003	-3.59500003 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	61897	61897 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0749500021	0.0749500021 ± 0.0625	✓

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.95 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.56099999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.21300006
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	907.228027
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-851.888
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.0930000022
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.467999995
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-286.428009
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	784.336975
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	21.3880005
MtrCtrl_Vecu_Volt_M_f32[0]	25.3600006
MtrCtrl_Vecu_Volt_M_f32[1]	27.7199993
MtrCurrDaxPrevIntg_Volt_M_f32	-27.3339996
MtrCurrDaxRef_Amp_M_f32[0]	209.052002
MtrCurrDaxRef_Amp_M_f32[1]	-124.994003
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	21.0373001
MtrCurrQaxRef_Amp_M_f32[0]	24.6130009
MtrCurrQaxRef_Amp_M_f32[1]	-20.9400005
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.93910003
MtrPosComputationDelay_Rad_M_f32[1]	2.14949989
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0909999982
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.178000003

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PICurrCntrl_Per1

Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0496999994		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	404.899994		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	267.119995		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	17.1812992		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.386400014		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	404.899994		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	267.119995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	17.1812992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.386400014		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	4653.20996		
k_DualEcuSignalScfFacSlew_UlspS_f32	121.599998		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	1635.59998		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.171000004		
k_MtrCtrlVirualResQax_Ohm_f32	0.180000007		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	18.0632		
k_MtrVoltDaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	1.61609995		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-22.6819992		
k_VoltSatQaxPolyCoeff_Uls_f32	2.70700002		
k_deadtimeVScale_Uls_f32	0.970000029		
t_CommOffsetTblX_Uls_u3p13[0]	4506		
t_CommOffsetTblX_Uls_u3p13[1]	5381		
t_CommOffsetTblY_Cnt_u16[0]	156		
t_CommOffsetTblY_Cnt_u16[1]	1570		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.3040009		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4809		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	4809	4809	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	169.280014	169.280014 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	10.8069401	10.8069391 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-28.0609188	-28.060915 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	63814	63814 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.106199995	0.106199995 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_ModIdx_Uls_u16p16	1	MtrCntrl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.96 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_lvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_lvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-147.343002
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	127.972
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.841000021
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.24800003
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-552.150024
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-568.89502
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.921000004
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.173999995
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	1018.71997
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-471.221985
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-29.3959999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-1.94000006
MtrCtrl_Vecu_Volt_M_f32[0]	17.7010002
MtrCtrl_Vecu_Volt_M_f32[1]	20.0610008
MtrCurrDaxPrevIntg_Volt_M_f32	20.9669991
MtrCurrDaxRef_Amp_M_f32[0]	-139.906998
MtrCurrDaxRef_Amp_M_f32[1]	115.814003
MtrCurrQaxCog_Amp_M_f32	-41.5750008
MtrCurrQaxPrevIntg_Volt_M_f32	23.1735001
MtrCurrQaxRef_Amp_M_f32[0]	-65.1900024
MtrCurrQaxRef_Amp_M_f32[1]	-216.972
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.864000022
MtrPosComputationDelay_Rad_M_f32[1]	-2.79839993
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	1
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0920000002
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.662999988
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.952600002
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.686999977
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	865.320007
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	67.9733963
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.439500004
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	865.320007
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	67.9733963
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.439500004
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	1265.93005
k_DualEcuSignalScfFacSlew_UlspS_f32	122.800003
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5888.85986
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirualResDax_Ohm_f32	0.151999995
k_MtrCtrlVirualResQax_Ohm_f32	0.0329999998
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	11.7454004
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.57000017
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	7.04580021
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.57000017

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Name	Input Value		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-24.3470001		
k_VoltSatQaxPolyCoeff_Uls_f32	8.97500038		
k_deadtimeVScale_Uls_f32	0.970000029		
t_CommOffsetTblX_Uls_u3p13[0]	3030		
t_CommOffsetTblX_Uls_u3p13[1]	5366		
t_CommOffsetTblY_Cnt_u16[0]	589		
t_CommOffsetTblY_Cnt_u16[1]	1202		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntri_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntri_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	50.0610008		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4196		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	136.341003		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	589	589	✔
MtrCntri_Write_ModIdx_Uls_u16p16(val)	10634	10634 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-175.397003	-175.397003 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	2.61400008	2.61400008 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	-1.94000006	-1.94000006 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	59391	59391 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	11.7454004	11.7454004	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.0766500011	0.0766500011 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.97 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	6.18900013
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	83.0540009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.70099998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.287999988
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-1014.57001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	639.960022
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0939999968

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0879999995		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.42200005		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.612999976		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-811.013		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-317.71701		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-3.59500003		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-28.4209995		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-17.1070004		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	15.9390001		
MtrCtrl_Vecu_Volt_M_f32[0]	18.5559998		
MtrCtrl_Vecu_Volt_M_f32[1]	20.9160004		
MtrCurrDaxPrevIntg_Volt_M_f32	10.2959995		
MtrCurrDaxRef_Amp_M_f32[0]	-82.2979965		
MtrCurrDaxRef_Amp_M_f32[1]	46.8180008		
MtrCurrQaxCog_Amp_M_f32	48.8400002		
MtrCurrQaxPrevIntg_Volt_M_f32	12.8893003		
MtrCurrQaxRef_Amp_M_f32[0]	-146.723007		
MtrCurrQaxRef_Amp_M_f32[1]	-121.943001		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	3.05150008		
MtrPosComputationDelay_Rad_M_f32[1]	2.39380002		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.640999973		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0930000022		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.88499999		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.120399997		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.143000007		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	74.1108017		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.654399991		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	74.1108017		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.654399991		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	7251.52002		
k_DualEcuSignalScfFacSlew_UlspS_f32	124		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5272.3999		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.126000002		
k_MtrCtrlVirualResQax_Ohm_f32	0.128999993		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	20.9356995		
k_MtrVoltDaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	9.26469994		
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	12.3450003		
k_VoltSatQaxPolyCoeff_Uls_f32	-21.0529995		
k_deadtimeVScale_Uls_f32	0.967999995		
t_CommOffsetTblX_Uls_u3p13[0]	4850		
t_CommOffsetTblX_Uls_u3p13[1]	6241		
t_CommOffsetTblY_Cnt_u16[0]	165		
t_CommOffsetTblY_Cnt_u16[1]	651		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3061		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	3061	3061	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-195.563004	-195.563004 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-0.995374382	-0.995374382 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.73654222	-4.73654222 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	1221	1221 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.108500004	0.108500004 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.98 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-105.246002
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	41.6290016
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.075000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0710000023
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0560000017
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.74000001
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.391000003
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	382.878998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-891.598022
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.123000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0700000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.207000002
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.145999998
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-192.985992
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	708.689026
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.3880005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	0.908999979
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	21.0249996
MtrCtrl_Vecu_Volt_M_f32[0]	21.3729992
MtrCtrl_Vecu_Volt_M_f32[1]	23.7329998
MtrCurrDaxPrevIntg_Volt_M_f32	28.4400005
MtrCurrDaxRef_Amp_M_f32[0]	160.044006
MtrCurrDaxRef_Amp_M_f32[1]	165.242004
MtrCurrQaxCog_Amp_M_f32	107.702003
MtrCurrQaxPrevIntg_Volt_M_f32	9.35029984
MtrCurrQaxRef_Amp_M_f32[0]	-208.287994
MtrCurrQaxRef_Amp_M_f32[1]	-27.9839993
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	1.90050006
MtrPosComputationDelay_Rad_M_f32[1]	2.34050012
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.986999989
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0939999968
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.370000005

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.382499993		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0989999995		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-657.099976		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-657.130005		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	79.4266968		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.757300019		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-657.099976		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-657.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	79.4266968		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.757300019		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	5252.41016		
k_DualEcuSignalScfFacSlew_UlspS_f32	125.199997		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	10		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.192000002		
k_MtrCtrlVirtualResQax_Ohm_f32	0.145999998		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	9.65880013		
k_MtrVoltDaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	23.7485008		
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	8.97799969		
k_VoltSatQaxPolyCoeff_Uls_f32	18.2439995		
k_deadtimeVScale_Uls_f32	0.975000024		
t_CommOffsetTblX_Uls_u3p13[0]	2114		
t_CommOffsetTblX_Uls_u3p13[1]	4735		
t_CommOffsetTblY_Cnt_u16[0]	297		
t_CommOffsetTblY_Cnt_u16[1]	1110		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-198.285995		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2412		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	1.62199998		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1110	1110	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63897	63897 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	19.7092075	19.7092075 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	6.76738214	6.76738167 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	32757	32757 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0783499926	0.0783499926 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.99 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.15499997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.71800005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	953.320984
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-556.945007
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.115999997
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.115999997
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0270000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.34200001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.0759999976
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	41.5550003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	935.856018
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.2420006
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	12.6160002
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995
MtrCurrDaxPrevIntg_Volt_M_f32	1.82700002
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024
MtrCurrDaxRef_Amp_M_f32[1]	-216.972
MtrCurrQaxCog_Amp_M_f32	5.72399998
MtrCurrQaxPrevIntg_Volt_M_f32	7.8980999
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.64689994
MtrPosComputationDelay_Rad_M_f32[1]	-1.53659999
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.818000019
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0949999988
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.61500001
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0132999998
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0469999984
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	97.2235031
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.703100026
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	97.2235031
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.703100026
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	18.2099991
k_DualEcuSignalScfFacSlew_UlspS_f32	126.400002
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	8000
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	1
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.0500000007
k_MtrCtrlVirtualResQax_Ohm_f32	0.0469999984
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	16.8875999
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.6000004
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	29.7059002
k_MtrVoltQaxIntegLoLim_Volt_f32	-11.6000004
k_MtrVoltVecuFiltEnable_Cnt_Igc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-14.7080002		
k_VoltSatQaxPolyCoeff_Uls_f32	3.90300012		
k_deadtimeVScale_Uls_f32	0.957000017		
t_CommOffsetTblX_Uls_u3p13[0]	1498		
t_CommOffsetTblX_Uls_u3p13[1]	4940		
t_CommOffsetTblY_Cnt_u16[0]	623		
t_CommOffsetTblY_Cnt_u16[1]	1212		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1116		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1116	1116	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	25.862999	25.862999 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-2.39211178	-2.39211178 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.1441555	-4.1441555 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	10620	10620 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.110799998	0.110799998 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16				

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PICurrCntrl_Per1

Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0939999968		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.521000028		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.65699995		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	40.1660004		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	649.921021		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003		
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002		
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008		
MtrCurrDaxPrevIntg_Volt_M_f32	-11.698		
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007		
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001		
MtrCurrQaxCog_Amp_M_f32	59.3040009		
MtrCurrQaxPrevIntg_Volt_M_f32	3.4605999		
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006		
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-1.73670006		
MtrPosComputationDelay_Rad_M_f32[1]	0.894200027		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.810000002		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0960000008		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.551999986		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.397899985		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	18.5506001		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.689499974		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	18.5506001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.689499974		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	5675.16992		
k_DualEcuSignalScfFacSlew_UlspS_f32	127.599998		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	7779.18994		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.174999997		
k_MtrCtrlVirualResQax_Ohm_f32	0.0280000009		
k_MtrCurrQaxRefModifDsb_Cnt_Igc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	4.64909983		
k_MtrVoltDaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	9.52950001		
k_MtrVoltQaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltVecuFiltEnable_Cnt_Igc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-2.73900008		
k_VoltSatQaxPolyCoeff_Uls_f32	-7.03700018		
k_deadtimeVScale_Uls_f32	0.958000004		
t_CommOffsetTblX_Uls_u3p13[0]	6110		
t_CommOffsetTblX_Uls_u3p13[1]	7324		
t_CommOffsetTblY_Cnt_u16[0]	237		
t_CommOffsetTblY_Cnt_u16[1]	383		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2039		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	383	383	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	62783	62783 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	16.3980026	16.3980026 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-10.3380842	-10.3380833 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-17.6049614	-17.6049595 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	47633	47633 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-30.2000008	-30.2000008	✔

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PICurrCntl_Per1

Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.0800499991	0.0800499991 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.101 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.335000008
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.61000001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	676.015015
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	949.322021
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.521000028
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.65699995
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	40.1660004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	649.921021
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	-11.698
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	59.3040009
MtrCurrQaxPrevIntg_Volt_M_f32	10.2080002
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.8204
MtrPosComputationDelay_Rad_M_f32[1]	2.93499994
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.810000002
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.0970000029
PICurrCntl_InverterFailScfFac_Uls_M_f32	0.551999986

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PICurrCntrl_Per1

Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.338800013		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-304.940002		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	21.2028008		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0865999982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-304.940002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	21.2028008		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0865999982		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	5675.16992		
k_DualEcuSignalScfFacSlew_UlspS_f32	128.800003		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	100		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.174999997		
k_MtrCtrlVirualResQax_Ohm_f32	0.0280000009		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	0.178399995		
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	14.8720999		
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-2.73900008		
k_VoltSatQaxPolyCoeff_Uls_f32	-7.03700018		
k_deadtimeVScale_Uls_f32	0.958000004		
t_CommOffsetTblX_Uls_u3p13[0]	6110		
t_CommOffsetTblX_Uls_u3p13[1]	7324		
t_CommOffsetTblY_Cnt_u16[0]	237		
t_CommOffsetTblY_Cnt_u16[1]	383		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2039		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	383	383	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	62783	62783 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	16.3980026	16.3980026 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-19.7145958	-19.7145939 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	5.30521631	5.30521584 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	16971	16971 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-9.64999962	-9.64999962	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.113100007	0.113100007 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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PICurrCntrl_Per1

Test Step 2.102 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	31.5869999
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-186.395996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0340000018
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.104999997
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.115999997
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.115999997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.47399998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.90199995
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-146.214005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-942.195007
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.123000003
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.49000001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.959999979
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-53.862999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	75.7020035
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-30.2169991
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	19.2049999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-27.0669994
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	28.1070004
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	-18.5370007
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	79.6729965
MtrCurrQaxPrevIntg_Volt_M_f32	0.771099985
MtrCurrQaxRef_Amp_M_f32[0]	-146.173996
MtrCurrQaxRef_Amp_M_f32[1]	-213.335007
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	1.01540005
MtrPosComputationDelay_Rad_M_f32[1]	-2.31789994
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.400000006
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0979999974
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.375200003
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.337000012
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	22.2399998
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	16.5851002
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.887899995
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	22.2399998
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	16.5851002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.887899995
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	2663.65991
k_DualEcuSignalScfFacSlew_UlspS_f32	130
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5194.8999
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.112000003
k_MtrCtrlVirtualResQax_Ohm_f32	0.0219999999
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	19.6758003
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	8.2833004
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998
k_MtrVoltVecuFiltEnable_Cnt_lgc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-2.4230001		
k_VoltSatQaxPolyCoeff_Uls_f32	-21.368		
k_deadtimeVScale_Uls_f32	0.958999991		
t_CommOffsetTblX_Uls_u3p13[0]	6528		
t_CommOffsetTblX_Uls_u3p13[1]	8192		
t_CommOffsetTblY_Cnt_u16[0]	76		
t_CommOffsetTblY_Cnt_u16[1]	211		
target_MtrCntri_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr	1		
target_MtrCntri_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr	1		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_Igc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr	1		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	-9.31999969		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	65		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	-9.31999969		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	65	65	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	2.70515442	2.70515442 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	3.95906138	3.95906138 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	47612	47612 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.081749998	0.081749998 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.103 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.73699999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.397000015
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	692.312988
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	147.145996
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.115999997
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.115999997

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0970000029		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0270000007		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.29700005		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.0260000005		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	381.019012		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-514.21698		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.2420006		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	12.6160002		
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981		
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995		
MtrCurrDaxPrevIntg_Volt_M_f32	-1.17400002		
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024		
MtrCurrDaxRef_Amp_M_f32[1]	-216.972		
MtrCurrQaxCog_Amp_M_f32	5.72399998		
MtrCurrQaxPrevIntg_Volt_M_f32	23.9027004		
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999		
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	1.8154		
MtrPosComputationDelay_Rad_M_f32[1]	-1.37559998		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.109999999		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0989999995		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	1		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.289799988		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0469999984		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	39.4047012		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.869400024		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	39.4047012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.869400024		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	3550.11011		
k_DualEcuSignalScfFacSlew_UlspS_f32	131.199997		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	5873.56006		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.162		
k_MtrCtrlVirualResQax_Ohm_f32	0.0790000036		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	26.7257996		
k_MtrVoltDaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	15.8303003		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	24.2010002		
k_VoltSatQaxPolyCoeff_Uls_f32	-9.57699966		
k_deadtimeVScale_Uls_f32	0.963999987		
t_CommOffsetTblX_Uls_u3p13[0]	573		
t_CommOffsetTblX_Uls_u3p13[1]	7569		
t_CommOffsetTblY_Cnt_u16[0]	912		
t_CommOffsetTblY_Cnt_u16[1]	1211		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	410		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	410	410	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	25.862999	25.862999 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-2.40960884	-2.40960884 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.17446756	-4.17446756 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	57164	57164 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔

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Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.115400001	0.115400001 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModlDx_Uls_u16p16	1	MtrCntl_Write_ModlDx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.104 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.878000021
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.29400003
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-295.479004
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-442.687988
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.896000028
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.91700006
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	1015.31
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-261.230011
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	-16.7709999
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	59.3040009
MtrCurrQaxPrevIntg_Volt_M_f32	17.1947002
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.675599992
MtrPosComputationDelay_Rad_M_f32[1]	-0.35800001
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.658999979

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Name	Input Value		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.100000001		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.203999996		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.49939999		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	96.5500031		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	56.0906982		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.676299989		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	96.5500031		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	56.0906982		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.676299989		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6301.31982		
k_DualEcuSignalScfFacSlew_UlspS_f32	132.399994		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	3999.36011		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.129999995		
k_MtrCtrlVirtualResQax_Ohm_f32	0.182999998		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	24.9897995		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	17.6005001		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-3.84200001		
k_VoltSatQaxPolyCoeff_Uls_f32	18.5489998		
k_deadtimeVScale_Uls_f32	0.963999987		
t_CommOffsetTblX_Uls_u3p13[0]	1154		
t_CommOffsetTblX_Uls_u3p13[1]	5284		
t_CommOffsetTblY_Cnt_u16[0]	49		
t_CommOffsetTblY_Cnt_u16[1]	735		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1520		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	735	735	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63176	63176 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	16.3980026	16.3980026 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-10.4028311	-10.4028301 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-17.7152214	-17.7152195 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	34572	34572 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-4.57000017	-4.57000017	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0834500045	0.0834500045 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.105 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_lvrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntrl_Read_lvrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_ptr	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_ptr
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32_ptr	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_ptr
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32_ptr	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_ptr
MtrCntrl_Read_SysState_Cnt_Enum_ptr	target_MtrCntrl_Read_SysState_Cnt_Enum_ptr
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.010999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.76499999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.986999989
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-48.4529991
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-844.020996
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.22599995
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.58099997
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	17.7269993
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-203.524002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_Vecu_Volt_M_f32[0]	18.5559998
MtrCtrl_Vecu_Volt_M_f32[1]	20.9160004
MtrCurrDaxPrevIntg_Volt_M_f32	-1.39499998
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	7.91989994
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.787003
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.22340012
MtrPosComputationDelay_Rad_M_f32[1]	2.74799991
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.944000006
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.101000004
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.294999987
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.936500013
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	0
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	5.45760012
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.833899975
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	0
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	5.45760012
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.833899975
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	5388.75
k_DualEcuSignalSciFacSlew_UlspS_f32	133.600006
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	3076.13989
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.123999998
k_MtrCtrlVirtualResQax_Ohm_f32	0.163000003
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	3.2125001
k_MtrVoltDaxIntegLoLim_Volt_f32	-25.6000004
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	9.89789963
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004

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Name	Input Value		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-23.9650002		
k_VoltSatQaxPolyCoeff_Uls_f32	-16.2169991		
k_deadtimeVScale_Uls_f32	0.949999988		
t_CommOffsetTblX_Uls_u3p13[0]	5022		
t_CommOffsetTblX_Uls_u3p13[1]	7003		
t_CommOffsetTblY_Cnt_u16[0]	63		
t_CommOffsetTblY_Cnt_u16[1]	327		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntri_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3921		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	3921	3921	✔
MtrCntri_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	-4.21121168	-4.21121168 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	-2.19731569	-2.19731569 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	1791	1791 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.117700003	0.117700003 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgEnScfFac	1	LoaMtgEnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.106 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.08099997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.26699999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	484.062988
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	62.8199997
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.115999997

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PICurrCntrl_Per1

Name	Input Value		
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.115999997		
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.0970000029		
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.0270000007		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.40799999		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.17900002		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	623.000977		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-937.359009		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.2420006		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	12.6160002		
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981		
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995		
MtrCurrDaxPrevIntg_Volt_M_f32	-27.6930008		
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024		
MtrCurrDaxRef_Amp_M_f32[1]	-216.972		
MtrCurrQaxCog_Amp_M_f32	5.72399998		
MtrCurrQaxPrevIntg_Volt_M_f32	2.18199992		
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999		
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-2.1566		
MtrPosComputationDelay_Rad_M_f32[1]	-2.9461		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.25999999		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.101999998		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.222000003		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.918299973		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0469999984		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	301.089996		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	50.1682014		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.833800018		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	301.089996		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	50.1682014		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.833800018		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	7174.7002		
k_DualEcuSignalScfFacSlew_UlspS_f32	134.800003		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	1940.90002		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.0850000009		
k_MtrCtrlVirualResQax_Ohm_f32	0.118000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	30.3138008		
k_MtrVoltDaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	15.4816999		
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-14.8479996		
k_VoltSatQaxPolyCoeff_Uls_f32	5.72399998		
k_deadtimeVScale_Uls_f32	1		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	889		
t_CommOffsetTblY_Cnt_u16[1]	1543		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3001		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	3001	3001	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-192.119995	-192.119995 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	8.55099964	8.55099964 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	12.6160002	12.6160002 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	41020	41020 ± 1.52588E-05	✔

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Name	Actual Value	Expected Value	Result
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntl_DualEcuFailSciFac_Uls_M_f32	0.085149996	0.085149996 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSciFac	1	LoaMtgnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.107 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBuflIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.42499995
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.64400005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	980.661987
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	771.224976
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.26199996
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.75600004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	424.487
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	866.411987
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	20.066
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	59.3040009
MtrCurrQaxPrevIntg_Volt_M_f32	13.4927998
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	0.737800002
MtrPosComputationDelay_Rad_M_f32[1]	1.74370003

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Name	Input Value		
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.185000002		
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.103		
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.737999976		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.543500006		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-200.740005		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	85.9597015		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.842700005		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	-200.740005		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	85.9597015		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.842700005		
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	3789.18994		
k_DualEcuSignalSciFacSlew_UlspS_f32	136		
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	3865.98999		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.00700000022		
k_MtrCtrlVirtualResQax_Ohm_f32	0.149000004		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	19.9689007		
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.60000038		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	16.1835003		
k_MtrVoltQaxIntegLoLim_Volt_f32	-11.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-10.0129995		
k_VoltSatQaxPolyCoeff_Uls_f32	-13.5450001		
k_deadtimeVScale_Uls_f32	0.995000005		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	771		
t_CommOffsetTblY_Cnt_u16[1]	1636		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4728		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1636	1636	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	65208	65208 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	16.3980026	16.3980026 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-10.7373629	-10.7373619 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-18.2849026	-18.2849007 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	56494	56494 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-9.60000038	-9.60000038	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.120000005	0.120000005 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgEnSciFac	1	LoaMtgEnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_ModIdx_Uls_u16p16	1	MtrCntrl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.108 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.010999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.247999996
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.372999996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	875.137024
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-484.88501
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.29700005
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.26699999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-49.7849998
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	739.11499
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_Vecu_Volt_M_f32[0]	18.5559998
MtrCtrl_Vecu_Volt_M_f32[1]	20.9160004
MtrCurrDaxPrevIntg_Volt_M_f32	-7.71299982
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	2.60570002
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.787003
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	3.01139998
MtrPosComputationDelay_Rad_M_f32[1]	-2.0072999
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.723999977
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.104000002
PICurrCntl_InverterFailScfFac_Uls_M_f32	0.800999999
PICurrCntl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.335799992
PICurrCntl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004
PICurrCntl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntl_MtrVecuFilt_M_str.TermN_Uls_f32	19.6403008
PICurrCntl_MtrVecuFilt_M_str.TermD_Uls_f32	0.133300006
PICurrCntl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	19.6403008
PICurrCntl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.133300006
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	3827.27002
k_DualEcuSignalScfFacSlew_UlspS_f32	137.199997
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	2156.63989
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.112000003
k_MtrCtrlVirtualResQax_Ohm_f32	0.147
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHilim_Volt_f32	3.43280005
k_MtrVoltDaxIntegLolim_Volt_f32	-30.2000008
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHilim_Volt_f32	15.2376003

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Name	Input Value		
k_MtrVoltQaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-20.5009995		
k_VoltSatQaxPolyCoeff_Uls_f32	6.51900005		
k_deadtimeVScale_Uls_f32	0.975000024		
t_CommOffsetTblX_Uls_u3p13[0]	2638		
t_CommOffsetTblX_Uls_u3p13[1]	3628		
t_CommOffsetTblY_Cnt_u16[0]	297		
t_CommOffsetTblY_Cnt_u16[1]	1110		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	121.994003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	34		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-40.9220009		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	34	34	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-4.75500202	-4.75500202 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-1.07498026	-1.07498026 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	12707	12707 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.0868500024	0.0868500024 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSciFac	1	LoaMtgnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.109 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.474999994
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.837000012
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	673.796997
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-165.348999

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Name	Input Value		
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.115999997		
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.115999997		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0970000029		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.0270000007		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.0149999997		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.88800001		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-32.8989983		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	814.530029		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.2420006		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	12.6160002		
MtrCtrl_Vecu_Volt_M_f32[0]	21.3729992		
MtrCtrl_Vecu_Volt_M_f32[1]	23.7329998		
MtrCurrDaxPrevIntg_Volt_M_f32	-7.6500001		
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024		
MtrCurrDaxRef_Amp_M_f32[1]	-216.972		
MtrCurrQaxCog_Amp_M_f32	5.72399998		
MtrCurrQaxPrevIntg_Volt_M_f32	6.07289982		
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999		
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-1.93190002		
MtrPosComputationDelay_Rad_M_f32[1]	-1.18069994		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.848999977		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.104999997		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.296000004		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.281399995		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0469999984		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-717.299988		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-861.580017		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	88.4244995		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.322100013		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-717.299988		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-861.580017		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	88.4244995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.322100013		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	208.033005		
k_DualEcuSignalScfFacSlew_UlspS_f32	138.399994		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5517.5		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.061999999		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0989999995		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	0.790099978		
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	25.3572006		
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-6.70300007		
k_VoltSatQaxPolyCoeff_Uls_f32	-3.44300008		
k_deadtimeVScale_Uls_f32	0.977999985		
t_CommOffsetTblX_Uls_u3p13[0]	1212		
t_CommOffsetTblX_Uls_u3p13[1]	1704		
t_CommOffsetTblY_Cnt_u16[0]	23		
t_CommOffsetTblY_Cnt_u16[1]	212		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-41.5750008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1147		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	75.0830002		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1147	1147	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	25.862999	25.862999 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	4.87297773	4.87297726 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	0.407664686	0.407664686 ± 4.88E-04	✓

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Name	Actual Value	Expected Value	Result
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	60899	60899 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0.790099978	0.790099978	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.122299999	0.122299999 ± 0.0625	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓	
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16					

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Name	Input Value		
MtrPosComputationDelay_Rad_M_f32[1]	-2.23920012		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.231999993		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.105999999		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.448000014		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.565900028		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	947.700012		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	75.3476028		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.841799974		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	947.700012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	75.3476028		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.841799974		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6145.56982		
k_DualEcuSignalScfFacSlew_UlspS_f32	139.600006		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4019.20996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.0460000001		
k_MtrCtrlVirualResQax_Ohm_f32	0.101000004		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	0.3583		
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	0.993200004		
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	23.7310009		
k_VoltSatQaxPolyCoeff_Uls_f32	10.2309999		
k_deadtimeVScale_Uls_f32	0.986999989		
t_CommOffsetTblX_Uls_u3p13[0]	3808		
t_CommOffsetTblX_Uls_u3p13[1]	7298		
t_CommOffsetTblY_Cnt_u16[0]	1237		
t_CommOffsetTblY_Cnt_u16[1]	383		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	48.8400002		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2022		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-220		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	383	383	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	64684	64684 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	16.3980026	16.3980026 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-3.73893094	-3.73893094 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-6.36711168	-6.36711168 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	14951	14951 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0885500014	0.0885500014 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.111 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.62300003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.23300004
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	810.853027
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-988.492981
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.263000011
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.324999988
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-344.360992
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	396.108002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	18.9990005
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	3.09949994
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.787003
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	1.56770003
MtrPosComputationDelay_Rad_M_f32[1]	0.73360002
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.777999997
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.107000001
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0450000018
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.95569998
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004

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Name	Input Value		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	269.399994		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	77.2248001		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.411900014		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	269.399994		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	77.2248001		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.411900014		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6667.54004		
k_DualEcuSignalScfFacSlew_UlspS_f32	140.800003		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	7823.27002		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.00499999989		
k_MtrCtrlVirualResQax_Ohm_f32	0.0989999995		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	30.7106991		
k_MtrVoltDaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	1.35650003		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	12.0270004		
k_VoltSatQaxPolyCoeff_Uls_f32	19.8290005		
k_deadtimeVScale_Uls_f32	0.970000029		
t_CommOffsetTblX_Uls_u3p13[0]	918		
t_CommOffsetTblX_Uls_u3p13[1]	1679		
t_CommOffsetTblY_Cnt_u16[0]	71		
t_CommOffsetTblY_Cnt_u16[1]	676		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	107.702003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	233		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	220		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	233	233	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-19.898735	-19.8987331 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	22.5442982	22.5442944 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	8809	8809 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.124600001	0.124600001 ± 0.0625	✔

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Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.112 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.859000027
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.911000013
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-309.057007
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-788.815002
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.00399995
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.43400002
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-19.7409992
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-1021.15997
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_Vecu_Volt_M_f32[0]	14.243
MtrCtrl_Vecu_Volt_M_f32[1]	16.6030006
MtrCurrDaxPrevIntg_Volt_M_f32	-3.78200006
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	23.843399
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.87389994
MtrPosComputationDelay_Rad_M_f32[1]	-2.28410006
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.851999998
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.108000003
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.398999989
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.705799997
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-657.099976
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-340.130005
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	49.1376991
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0364000015
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-657.099976
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-340.130005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	49.1376991
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0364000015
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	7980.1499
k_DualEcuSignalScfFacSlew_UlspS_f32	142
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	6489.7002
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.0280000009
k_MtrCtrlVirtualResQax_Ohm_f32	0.129999995
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	14.1104002
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.57000017
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	13.7721004
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.57000017
k_MtrVoltVecuFiltEnable_Cnt_Igc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-0.893999994		
k_VoltSatQaxPolyCoeff_Uls_f32	-24.9239998		
k_deadtimeVScale_Uls_f32	0.966000021		
t_CommOffsetTblX_Uls_u3p13[0]	1532		
t_CommOffsetTblX_Uls_u3p13[1]	2851		
t_CommOffsetTblY_Cnt_u16[0]	912		
t_CommOffsetTblY_Cnt_u16[1]	1211		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	5.72399998		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2264		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	0		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	1211	1211	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	63307	63307 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	-15.956131	-15.956131 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	1.62337315	1.62337315 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	26386	26386 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.0902500004	0.0902500004 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.113 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-147.343002
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	127.972
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.624000013
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.05799997
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	609.603027
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-912.517029
MtrCtrl_MtrlmpedDax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.0120000001
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.0560000017

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.47599995		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.801999986		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-292.941986		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	762.052002		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-7.66699982		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	2.61400008		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-29.3959999		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-1.94000006		
MtrCtrl_Vecu_Volt_M_f32[0]	13.3629999		
MtrCtrl_Vecu_Volt_M_f32[1]	15.7229996		
MtrCurrDaxPrevIntg_Volt_M_f32	7.36499977		
MtrCurrDaxRef_Amp_M_f32[0]	-100.282997		
MtrCurrDaxRef_Amp_M_f32[1]	-120.248001		
MtrCurrQaxCog_Amp_M_f32	-41.5750008		
MtrCurrQaxPrevIntg_Volt_M_f32	8.32960033		
MtrCurrQaxRef_Amp_M_f32[0]	-65.1900024		
MtrCurrQaxRef_Amp_M_f32[1]	-216.972		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-0.0883999988		
MtrPosComputationDelay_Rad_M_f32[1]	-0.0131999999		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.349000007		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.108999997		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.111000001		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.824800014		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.521000028		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-657.099976		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	82.828598		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.797699988		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-657.099976		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	82.828598		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.797699988		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	1293.53003		
k_DualEcuSignalScfFacSlew_UlspS_f32	143.199997		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	7361.14014		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.193000004		
k_MtrCtrlVirualResQax_Ohm_f32	0.103		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	24.9596996		
k_MtrVoltDaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	17.6800003		
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	8.96500015		
k_VoltSatQaxPolyCoeff_Uls_f32	-13.8369999		
k_deadtimeVScale_Uls_f32	0.968999982		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	771		
t_CommOffsetTblY_Cnt_u16[1]	1636		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.3040009		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3317		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	3317	3317	✓
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-23.6150017	-23.6150017 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-0.269776285	-0.269776255 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.83748341	-4.83748341 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	32427	32427 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.126900002	0.126900002 ± 0.0625	✓

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Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.114 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	6.18900013
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	83.0540009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.07999999982
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.09899999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.591000021
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	248.214996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-29.2189999
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.07999999982
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.09399999968
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.08799999995
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.46300006
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.03900003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	126.671997
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-963.362976
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-3.59500003
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-28.4209995
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-17.1070004
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	15.9390001
MtrCtrl_Vecu_Volt_M_f32[0]	24.8479996
MtrCtrl_Vecu_Volt_M_f32[1]	27.2080002
MtrCurrDaxPrevIntg_Volt_M_f32	0.851999998
MtrCurrDaxRef_Amp_M_f32[0]	-68.6760025
MtrCurrDaxRef_Amp_M_f32[1]	-96.776001
MtrCurrQaxCog_Amp_M_f32	48.8400002
MtrCurrQaxPrevIntg_Volt_M_f32	28.9717007
MtrCurrQaxRef_Amp_M_f32[0]	-146.723007
MtrCurrQaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.787299991
MtrPosComputationDelay_Rad_M_f32[1]	-1.41530001
PlCurrCntl_CurrSensFailScfFac_Uls_M_f32	0.911000013
PlCurrCntl_DualEcuFailScfFac_Uls_M_f32	0.109999999

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Name	Input Value		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.816999972		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.916199982		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.686999977		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-44.2799988		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	95.5231018		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.219099998		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	0		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-44.2799988		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	95.5231018		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.219099998		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6616.02002		
k_DualEcuSignalScfFacSlew_UlspS_f32	144.399994		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	5777.70996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.081000002		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0829999968		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	18.9941998		
k_MtrVoltDaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	1.51160002		
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	19.1259995		
k_VoltSatQaxPolyCoeff_Uls_f32	1.05900002		
k_deadtimeVScale_Uls_f32	0.977999985		
t_CommOffsetTblX_Uls_u3p13[0]	2638		
t_CommOffsetTblX_Uls_u3p13[1]	3628		
t_CommOffsetTblY_Cnt_u16[0]	297		
t_CommOffsetTblY_Cnt_u16[1]	1110		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	20.6149998		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	70		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1110	1110	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	64094	64094 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-195.563004	-195.563004 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-17.846735	-17.8467331 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	16.4939213	16.4939194 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	48721	48721 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-10.5	-10.5	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0919499993	0.0919499993 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓	
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓	

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Test Step 2.115 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-105.246002
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	41.6290016
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.075000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0710000023
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0560000017
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.0710000023
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.72399998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	376.216003
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-802.426025
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.123000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0700000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.60300004
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.42400002
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	18.6140003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-320.81601
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.3880005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	0.908999979
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	21.0249996
MtrCtrl_Vecu_Volt_M_f32[0]	28.3600006
MtrCtrl_Vecu_Volt_M_f32[1]	30.7199993
MtrCurrDaxPrevIntg_Volt_M_f32	1.579
MtrCurrDaxRef_Amp_M_f32[0]	-139.906998
MtrCurrDaxRef_Amp_M_f32[1]	115.814003
MtrCurrQaxCog_Amp_M_f32	107.702003
MtrCurrQaxPrevIntg_Volt_M_f32	0.0671999976
MtrCurrQaxRef_Amp_M_f32[0]	-208.287994
MtrCurrQaxRef_Amp_M_f32[1]	-27.9839993
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-1.79719996
MtrPosComputationDelay_Rad_M_f32[1]	3.08010006
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.702000022
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.111000001
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.657000005
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.99180001
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.143000007
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	0
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-627.179993
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	44.7025986
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.123199999
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	0
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-627.179993
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	44.7025986
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.123199999
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	5911.31982
k_DualEcuSignalScfFacSlew_UlspS_f32	145.600006
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	2332.93994
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.0179999992
k_MtrCtrlVirtualResQax_Ohm_f32	0.0500000007
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	5.83920002
k_MtrVoltDaxIntegLoLim_Volt_f32	-8.60000038
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	19.530899
k_MtrVoltQaxIntegLoLim_Volt_f32	-11.6000004
k_MtrVoltVecuFiltEnable_Cnt_Igc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-9.26000023		
k_VoltSatQaxPolyCoeff_Uls_f32	12.5810003		
k_deadtimeVScale_Uls_f32	0.996999979		
t_CommOffsetTblX_Uls_u3p13[0]	1212		
t_CommOffsetTblX_Uls_u3p13[1]	1704		
t_CommOffsetTblY_Cnt_u16[0]	23		
t_CommOffsetTblY_Cnt_u16[1]	212		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	-220		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3905		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	-198.285995		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	212	212	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	65339	65339 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	28.2720394	28.2720451 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	0.403350025	0.403350085 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	63026	63026 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	5.83920002	5.83920002	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.129199997	0.129199997 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.116 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntl_Read_lvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.898000002
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.30599999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	806.749023
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-34.0489998
MtrCtrl_MtrlmpedDax_Ohm_M_f32[0]	0.115999997
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.115999997
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.0270000007

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.221000001		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.49000001		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	737.367004		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	253.417999		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.2420006		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	12.6160002		
MtrCtrl_Vecu_Volt_M_f32[0]	21.2989998		
MtrCtrl_Vecu_Volt_M_f32[1]	23.6590004		
MtrCurrDaxPrevIntg_Volt_M_f32	-8.56599998		
MtrCurrDaxRef_Amp_M_f32[0]	-82.2979965		
MtrCurrDaxRef_Amp_M_f32[1]	46.8180008		
MtrCurrQaxCog_Amp_M_f32	5.72399998		
MtrCurrQaxPrevIntg_Volt_M_f32	2.58669996		
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999		
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-2.94300008		
MtrPosComputationDelay_Rad_M_f32[1]	0.898000002		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.662		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.112000003		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.499000013		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.1514		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0989999995		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-717.299988		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	1.35469997		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.649999976		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-717.299988		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	1.35469997		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.649999976		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7083.27002		
k_DualEcuSignalScfFacSlew_UlspS_f32	146.800003		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	947.890015		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.0540000014		
k_MtrCtrlVirualResQax_Ohm_f32	0.172000006		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	27.2376995		
k_MtrVoltDaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	20.0447998		
k_MtrVoltQaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-13.0120001		
k_VoltSatQaxPolyCoeff_Uls_f32	6.00699997		
k_deadtimeVScale_Uls_f32	0.967999995		
t_CommOffsetTblX_Uls_u3p13[0]	3808		
t_CommOffsetTblX_Uls_u3p13[1]	7298		
t_CommOffsetTblY_Cnt_u16[0]	1237		
t_CommOffsetTblY_Cnt_u16[1]	383		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	220		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	794		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	794	794	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	25.862999	25.862999 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-4.18785191	-4.18785143 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-2.42641664	-2.42641664 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	12978	12978 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0936499983	0.0936499983 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.117 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.65499997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.88900006
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	392.079987
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	734.911987
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.22399998
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-333.980988
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-661.781006
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003
MtrCtrl_Vecu_Volt_M_f32[0]	21.3600006
MtrCtrl_Vecu_Volt_M_f32[1]	23.7199993
MtrCurrDaxPrevIntg_Volt_M_f32	7.60099983
MtrCurrDaxRef_Amp_M_f32[0]	160.044006
MtrCurrDaxRef_Amp_M_f32[1]	165.242004
MtrCurrQaxCog_Amp_M_f32	59.3040009
MtrCurrQaxPrevIntg_Volt_M_f32	22.5144005
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-3.61800003
MtrPosComputationDelay_Rad_M_f32[1]	-4.93400002
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.851000011
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.112999998
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.757000029

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PICurrCntrl_Per1

Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.070600003		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0469999984		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-826.23999		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	53.2509003		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.3134		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	-826.23999		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	53.2509003		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.3134		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	2409.94995		
k_DualEcuSignalScfFacSlew_UlspS_f32	148		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4854.70996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.0359999985		
k_MtrCtrlVirualResQax_Ohm_f32	0.163000003		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	20.7133999		
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	12.3408003		
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-10.0080004		
k_VoltSatQaxPolyCoeff_Uls_f32	-22.6299992		
k_deadtimeVScale_Uls_f32	0.97299999		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	2000		
t_CommOffsetTblY_Cnt_u16[1]	2000		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	0		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2515		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	2000	2000	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63766	63766 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-193.251007	-193.251007 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-0.00127269397	-0.00127269374 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	20.7832813	20.7832794 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	27798	27798 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.131500006	0.131500006 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓	

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Test Step 2.118 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-132.813004
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-9.14299965
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.123000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0460000001
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.123000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.703999996
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.129999995
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-685.018005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-140.973999
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0170000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0410000011
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.24399996
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.83899999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	584.664978
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	935.218018
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-4.55999994
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-20.8330002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-8.61900043
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-13.1560001
MtrCtrl_Vecu_Volt_M_f32[0]	17.2600002
MtrCtrl_Vecu_Volt_M_f32[1]	19.6200008
MtrCurrDaxPrevIntg_Volt_M_f32	14.2440004
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024
MtrCurrDaxRef_Amp_M_f32[1]	-216.972
MtrCurrQaxCog_Amp_M_f32	20.6149998
MtrCurrQaxPrevIntg_Volt_M_f32	30.4113998
MtrCurrQaxRef_Amp_M_f32[0]	-105.246002
MtrCurrQaxRef_Amp_M_f32[1]	41.6290016
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	6.09100008
MtrPosComputationDelay_Rad_M_f32[1]	3.83599997
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.237000003
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.114
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.150000006
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.483900011
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-717.299988
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-657.099976
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	50.986599
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.889199972
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-717.299988
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-657.099976
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	50.986599
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.889199972
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	6110.83008
k_DualEcuSignalScfFacSlew_UlspS_f32	149.199997
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	7208.8501
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.172999993
k_MtrCtrlVirtualResQax_Ohm_f32	0.189999998
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	23.9330006
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	23.8327999
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998
k_MtrVoltVecuFiltEnable_Cnt_lgc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	17.1749992		
k_VoltSatQaxPolyCoeff_Uls_f32	8.79699993		
k_deadtimeVScale_Uls_f32	0.990999997		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	49		
t_CommOffsetTblY_Cnt_u16[1]	735		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	83.9489975		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3557		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	1.62199998		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	735	735	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	64946	64946 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	21.0140018	21.0140018 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	-16.4397964	-16.4397964 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	-10.3817005	-10.3817005 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	17752	17752 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.0953499973	0.0953499973 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.119 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.131999999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.051
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	781.679016
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	1013.59998
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.495000005		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.11000001		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-786.575989		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	755.47699		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008		
MtrCtrl_Vecu_Volt_M_f32[0]	16.4099998		
MtrCtrl_Vecu_Volt_M_f32[1]	18.7700005		
MtrCurrDaxPrevIntg_Volt_M_f32	26.7269993		
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999		
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996		
MtrCurrQaxCog_Amp_M_f32	-144.667007		
MtrCurrQaxPrevIntg_Volt_M_f32	30.6539001		
MtrCurrQaxRef_Amp_M_f32[0]	171.485992		
MtrCurrQaxRef_Amp_M_f32[1]	163.787003		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	4.46799994		
MtrPosComputationDelay_Rad_M_f32[1]	2.6400001		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.980000019		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.115000002		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.513000011		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.840300024		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	51.9599991		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.70389998		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	51.9599991		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.70389998		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	754.531982		
k_DualEcuSignalScfFacSlew_UlspS_f32	150.399994		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	248.589005		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.179000005		
k_MtrCtrlVirtualResQax_Ohm_f32	0.158999994		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	30.8127003		
k_MtrVoltDaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	17.2922001		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-23.691		
k_VoltSatQaxPolyCoeff_Uls_f32	-14.6350002		
k_deadtimeVScale_Uls_f32	0.971000016		
t_CommOffsetTblX_Uls_u3p13[0]	220		
t_CommOffsetTblX_Uls_u3p13[1]	5037		
t_CommOffsetTblY_Cnt_u16[0]	671		
t_CommOffsetTblY_Cnt_u16[1]	876		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-144.667007		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	256		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	876	876	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63635	63635 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	8.88619614	8.88619804 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	15.9125919	15.9125929 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	32848	32848 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.1338	0.1338 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.120 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.77100003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.31400001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	4.21999979
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	387.277008
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.115999997
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.115999997
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0270000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.25800002
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.36399996
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	860.961975
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-245.580002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.2420006
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	12.6160002
MtrCtrl_Vecu_Volt_M_f32[0]	5
MtrCtrl_Vecu_Volt_M_f32[1]	5
MtrCurrDaxPrevIntg_Volt_M_f32	-1.17400002
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024
MtrCurrDaxRef_Amp_M_f32[1]	-216.972
MtrCurrQaxCog_Amp_M_f32	5.72399998
MtrCurrQaxPrevIntg_Volt_M_f32	23.6063004
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	4.70499992
MtrPosComputationDelay_Rad_M_f32[1]	-2.8670001
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.109999999
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.115999997
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.00400000019
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.703999996
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0469999984

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Name	Input Value		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-657.130005		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	107.129997		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	71.2244034		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.953999996		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	-657.130005		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	107.129997		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	71.2244034		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.953999996		
k_CLOAFdbckSignalSclFacSlew_UlspS_f32	3550.11011		
k_DualEcuSignalSclFacSlew_UlspS_f32	151.600006		
k_ILOAFdbckSignalSclFacSlew_UlspS_f32	5873.56006		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0240000002		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0109999999		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	16.5436993		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	14.1534996		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	17.4050007		
k_VoltSatQaxPolyCoeff_Uls_f32	-2.23099995		
k_deadtimeVScale_Uls_f32	0.963		
t_CommOffsetTblX_Uls_u3p13[0]	573		
t_CommOffsetTblX_Uls_u3p13[1]	7569		
t_CommOffsetTblY_Cnt_u16[0]	912		
t_CommOffsetTblY_Cnt_u16[1]	1211		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4516		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1211	1211	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63111	63111 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	25.862999	25.862999 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-0.046955727	-0.046955727 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	4.8147707	4.8147707 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	48973	48973 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailSclFac_Uls_M_f32	0.0970499963	0.0970499963 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSclFac	1	LoaMtgnSclFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.121 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.975000024
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.69599998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	585.619019
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-791.551025
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.456999987
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.693000019
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	1016.78003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	915.791992
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003
MtrCtrl_Vecu_Volt_M_f32[0]	31
MtrCtrl_Vecu_Volt_M_f32[1]	31
MtrCurrDaxPrevIntg_Volt_M_f32	-16.7709999
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	59.3040009
MtrCurrQaxPrevIntg_Volt_M_f32	4.80830002
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.35100007
MtrPosComputationDelay_Rad_M_f32[1]	-1.33299994
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.658999979
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.116999999
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.481000006
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.824599981
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-194.190002
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	96.5500031
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	27.4986992
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.75029999
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-194.190002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	96.5500031
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	27.4986992
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.75029999
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	6301.31982
k_DualEcuSignalScfFacSlew_UlspS_f32	152.800003
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	3999.36011
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.00899999961
k_MtrCtrlVirtualResQax_Ohm_f32	0.0469999984
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	23.9073009
k_MtrVoltDaxIntegLoLim_Volt_f32	-25.6000004
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	21.2607994
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004
k_MtrVoltVecuFiltEnable_Cnt_lgc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	19.5340004		
k_VoltSatQaxPolyCoeff_Uls_f32	10.6110001		
k_deadtimeVScale_Uls_f32	0.987999976		
t_CommOffsetTblX_Uls_u3p13[0]	1154		
t_CommOffsetTblX_Uls_u3p13[1]	5284		
t_CommOffsetTblY_Cnt_u16[0]	49		
t_CommOffsetTblY_Cnt_u16[1]	735		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	177.046997		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	153		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	177.046997		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	735	735	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	56845	56845 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	16.3980026	16.3980026 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	-13.6160002	-13.6160002 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	-23.1870003	-23.1870003 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	24403	24403 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.136099994	0.136099994 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.122 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.533999979
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.231999993
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	322.946991
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	998.633972
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.869000018		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.70599997		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	53.6450005		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-178.399002		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008		
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002		
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008		
MtrCurrDaxPrevIntg_Volt_M_f32	-1.39499998		
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999		
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996		
MtrCurrQaxCog_Amp_M_f32	-144.667007		
MtrCurrQaxPrevIntg_Volt_M_f32	18.9440002		
MtrCurrQaxRef_Amp_M_f32[0]	171.485992		
MtrCurrQaxRef_Amp_M_f32[1]	163.787003		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	3.41799998		
MtrPosComputationDelay_Rad_M_f32[1]	3.54200006		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.944000006		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.118000001		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.465999991		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.403899997		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	386.220001		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	13.2960997		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.640799999		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	386.220001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	0		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	13.2960997		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.640799999		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	5388.75		
k_DualEcuSignalScfFacSlew_UlspS_f32	154		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	3076.13989		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.178000003		
k_MtrCtrlVirualResQax_Ohm_f32	0.181999996		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	19.5997009		
k_MtrVoltDaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	6.4369998		
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	16.1879997		
k_VoltSatQaxPolyCoeff_Uls_f32	0.165000007		
k_deadtimeVScale_Uls_f32	0.954999983		
t_CommOffsetTblX_Uls_u3p13[0]	5022		
t_CommOffsetTblX_Uls_u3p13[1]	7003		
t_CommOffsetTblY_Cnt_u16[0]	63		
t_CommOffsetTblY_Cnt_u16[1]	327		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-9.31999969		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	998		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-9.31999969		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	998	998	✓
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-1.85992479	-1.85992479 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-29.5465164	-29.5465164 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	4832	4832 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0987499952	0.0987499952 ± 0.0625	✓

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.123 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.317999989
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.53199995
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-952.169983
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-35.3190002
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.115999997
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.115999997
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0270000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.0149999997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.439999998
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-452.992004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	297.122009
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.2420006
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	12.6160002
MtrCtrl_Vecu_Volt_M_f32[0]	14.243
MtrCtrl_Vecu_Volt_M_f32[1]	16.6030006
MtrCurrDaxPrevIntg_Volt_M_f32	-27.6930008
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024
MtrCurrDaxRef_Amp_M_f32[1]	-216.972
MtrCurrQaxCog_Amp_M_f32	5.72399998
MtrCurrQaxPrevIntg_Volt_M_f32	2.83229995
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-5.51200008
MtrPosComputationDelay_Rad_M_f32[1]	3.42700005
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.259999999
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.119000003
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0450000018

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.464599997		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0469999984		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-784.130005		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	99.8274994		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.052099999		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-784.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	99.8274994		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.052099999		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7174.7002		
k_DualEcuSignalScfFacSlew_UlspS_f32	155.199997		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	1940.90002		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0810000002		
k_MtrCtrlVirtualResQax_Ohm_f32	0.159999996		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	2.89389992		
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	6.79160023		
k_MtrVoltQaxIntegLoLim_Volt_f32	-11.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-22.066		
k_VoltSatQaxPolyCoeff_Uls_f32	-1.36500001		
k_deadtimeVScale_Uls_f32	0.970000029		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	889		
t_CommOffsetTblY_Cnt_u16[1]	1543		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-161.352005		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	926		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-161.352005		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1543	1543	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	60159	60159 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-192.119995	-192.119995 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	8.55099964	8.55099964 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	12.6160002	12.6160002 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	41958	41958 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.138400003	0.138400003 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.124 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.507000029
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.53999996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	330.04599
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-179.259003
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.230000004
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.53799999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-818.869995
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	353.450989
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003
MtrCtrl_Vecu_Volt_M_f32[0]	13.3629999
MtrCtrl_Vecu_Volt_M_f32[1]	15.7229996
MtrCurrDaxPrevIntg_Volt_M_f32	20.066
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	59.3040009
MtrCurrQaxPrevIntg_Volt_M_f32	25.5028
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.39700007
MtrPosComputationDelay_Rad_M_f32[1]	2.73799992
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.185000002
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.119999997
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.398999989
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0604999997
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	947.73999
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	1118
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	1.48909998
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.176699996
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	947.73999
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	1118
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	1.48909998
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.176699996
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	3789.18994
k_DualEcuSignalScfFacSlew_UlspS_f32	156.399994
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	3865.98999
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	1
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.0710000023
k_MtrCtrlVirtualResQax_Ohm_f32	0.0489999987
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	1
k_MtrVoltDaxIntegHiLim_Volt_f32	0.557200015
k_MtrVoltDaxIntegLoLim_Volt_f32	-30.2000008
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	30.7143993
k_MtrVoltQaxIntegLoLim_Volt_f32	-30.2000008
k_MtrVoltVecuFiltEnable_Cnt_Igc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-9.73099995		
k_VoltSatQaxPolyCoeff_Uls_f32	-24.3579998		
k_deadtimeVScale_Uls_f32	0.966000021		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	771		
t_CommOffsetTblY_Cnt_u16[1]	1636		
target_MtrCntri_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr	1		
target_MtrCntri_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr	0		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_Igc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr	0		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	-205.514999		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	474		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	-205.514999		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	474	474	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	16.3980026	16.3980026 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	-13.062192	-13.062191 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	26.9470234	26.9470234 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	23850	23850 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.100449994	0.100449994 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.125 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.822000027
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.41999996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-292.269989
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-754.054993
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.871999979		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.22000003		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	688.346985		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-854.249023		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008		
MtrCtrl_Vecu_Volt_M_f32[0]	24.8479996		
MtrCtrl_Vecu_Volt_M_f32[1]	27.2080002		
MtrCurrDaxPrevIntg_Volt_M_f32	-7.71299982		
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999		
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996		
MtrCurrQaxCog_Amp_M_f32	-144.667007		
MtrCurrQaxPrevIntg_Volt_M_f32	17.9473		
MtrCurrQaxRef_Amp_M_f32[0]	171.485992		
MtrCurrQaxRef_Amp_M_f32[1]	163.787003		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-1.56599998		
MtrPosComputationDelay_Rad_M_f32[1]	1.21399999		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.723999977		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.120999999		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.111000001		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0421999991		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	269.399994		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-717.299988		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	75.4738007		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.306199998		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	269.399994		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-717.299988		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	75.4738007		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.306199998		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	3827.27002		
k_DualEcuSignalScfFacSlew_UlspS_f32	157.600006		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	2156.63989		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.185000002		
k_MtrCtrlVirualResQax_Ohm_f32	0.0799999982		
k_MtrCurrQaxRefModifDsb_Cnt_Igc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	2.9461		
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	19.4281006		
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltVecuFiltEnable_Cnt_Igc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	17.6229992		
k_VoltSatQaxPolyCoeff_Uls_f32	-20.6590004		
k_deadtimeVScale_Uls_f32	0.968999982		
t_CommOffsetTblX_Uls_u3p13[0]	2638		
t_CommOffsetTblX_Uls_u3p13[1]	3628		
t_CommOffsetTblY_Cnt_u16[0]	297		
t_CommOffsetTblY_Cnt_u16[1]	1110		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-118.848		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2994		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-118.848		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	2994	2994	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-4.29543591	-4.29543591 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-2.24126196	-2.24126196 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	27802	27802 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔

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Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.140699998	0.140699998 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModlDx_Uls_u16p16	1	MtrCntl_Write_ModlDx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.126 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.90799999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.08500004
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-899.770996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	697.859009
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.115999997
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.115999997
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.0270000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.48399997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.526000023
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-99.262001
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	138.542007
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.2420006
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	12.6160002
MtrCtrl_Vecu_Volt_M_f32[0]	28.3600006
MtrCtrl_Vecu_Volt_M_f32[1]	30.7199993
MtrCurrDaxPrevIntg_Volt_M_f32	-7.6500001
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024
MtrCurrDaxRef_Amp_M_f32[1]	-216.972
MtrCurrQaxCog_Amp_M_f32	5.72399998
MtrCurrQaxPrevIntg_Volt_M_f32	7.55770016
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	1.403
MtrPosComputationDelay_Rad_M_f32[1]	-4.98400021
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.848999977

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Name	Input Value		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.122000001		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.816999972		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.848399997		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0469999984		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-340.130005		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	52.3392982		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.404900014		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	-340.130005		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	52.3392982		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.404900014		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	208.033005		
k_DualEcuSignalScfFacSlew_UlspS_f32	158.800003		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	5517.5		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0909999982		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0199999996		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	9.36629963		
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	10.1091003		
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	2.421		
k_VoltSatQaxPolyCoeff_Uls_f32	-11.9060001		
k_deadtimeVScale_Uls_f32	0.977999985		
t_CommOffsetTblX_Uls_u3p13[0]	1212		
t_CommOffsetTblX_Uls_u3p13[1]	1704		
t_CommOffsetTblY_Cnt_u16[0]	23		
t_CommOffsetTblY_Cnt_u16[1]	212		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.3040009		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3747		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	3747	3747	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	25.862999	25.862999 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	30.2094536	30.2094536 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	2.56321192	2.56321192 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	30135	30135 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.102150001	0.102150001 ± 0.0625	✓

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Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.127 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.98000002
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.097
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-313.263
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	882.630981
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.958000004
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.437000006
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	89.8040009
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	673.749023
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003
MtrCtrl_Vecu_Volt_M_f32[0]	17.7010002
MtrCtrl_Vecu_Volt_M_f32[1]	20.0610008
MtrCurrDaxPrevIntg_Volt_M_f32	-9.05200005
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	59.3040009
MtrCurrQaxPrevIntg_Volt_M_f32	-22.7238007
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.704
MtrPosComputationDelay_Rad_M_f32[1]	-2.66799998
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.231999993
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.123000003
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.657000005

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PICurrCntrl_Per1

Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.657599986		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-784.130005		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-657.130005		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	84.4263992		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.404500008		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-784.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-657.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	84.4263992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.404500008		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6145.56982		
k_DualEcuSignalScfFacSlew_UlspS_f32	160		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4019.20996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.050999999		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0270000007		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	15.1113005		
k_MtrVoltDaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	15.5658998		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	24.6089993		
k_VoltSatQaxPolyCoeff_Uls_f32	1.55499995		
k_deadtimeVScale_Uls_f32	0.996999979		
t_CommOffsetTblX_Uls_u3p13[0]	3808		
t_CommOffsetTblX_Uls_u3p13[1]	7298		
t_CommOffsetTblY_Cnt_u16[0]	1237		
t_CommOffsetTblY_Cnt_u16[1]	383		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4791		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	383	383	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	65339	65339 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	16.3980026	16.3980026 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-9.33170986	-9.33170986 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-17.6904488	-17.6904488 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	10003	10003 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-8.68999958	-8.68999958	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.143000007	0.143000007 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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PICurrCntrl_Per1

Test Step 2.128 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModlIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModlIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.24300003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.98800004
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-222.714996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	849.533997
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.584999979
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.638000011
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-338.394012
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	815.107971
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_Vecu_Volt_M_f32[0]	18.5559998
MtrCtrl_Vecu_Volt_M_f32[1]	20.9160004
MtrCurrDaxPrevIntg_Volt_M_f32	18.9990005
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	27.7875996
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.787003
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	4.24399996
MtrPosComputationDelay_Rad_M_f32[1]	1.44299996
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.777999997
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.123999998
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.499000013
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.389899999
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	386.220001
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	76.5533981
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0997999981
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	386.220001
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	76.5533981
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0997999981
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	6667.54004
k_DualEcuSignalScfFacSlew_UlspS_f32	161.199997
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	7823.27002
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.194999993
k_MtrCtrlVirtualResQax_Ohm_f32	0.142000005
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	6.06680012
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.57000017
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	24.2038002
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.57000017
k_MtrVoltVecuFiltEnable_Cnt_lgc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-23.5930004		
k_VoltSatQaxPolyCoeff_Uls_f32	22.8640003		
k_deadtimeVScale_Uls_f32	0.967999995		
t_CommOffsetTblX_Uls_u3p13[0]	918		
t_CommOffsetTblX_Uls_u3p13[1]	1679		
t_CommOffsetTblY_Cnt_u16[0]	71		
t_CommOffsetTblY_Cnt_u16[1]	676		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	190		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	190	190	✓
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-4.29100323	-4.29100323 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-2.2389493	-2.2389493 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	22866	22866 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.10385	0.10385 ± 0.0625	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓	
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16					

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PICurrCntrl_Per1

Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.71200001		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.60000002		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	392.343994		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	136.852005		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008		
MtrCtrl_Vecu_Volt_M_f32[0]	21.3729992		
MtrCtrl_Vecu_Volt_M_f32[1]	23.7329998		
MtrCurrDaxPrevIntg_Volt_M_f32	-3.78200006		
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007		
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001		
MtrCurrQaxCog_Amp_M_f32	-144.667007		
MtrCurrQaxPrevIntg_Volt_M_f32	4.63049984		
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006		
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	5.38999987		
MtrPosComputationDelay_Rad_M_f32[1]	2.17600012		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.851999998		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.125		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.757000029		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.754400015		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	386.220001		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	50.1534996		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.319000006		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	386.220001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	50.1534996		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.319000006		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7980.1499		
k_DualEcuSignalScfFacSlew_UlspS_f32	162.399994		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	6489.7002		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.00400000019		
k_MtrCtrlVirualResQax_Ohm_f32	0.108999997		
k_MtrCurrQaxRefModifDsb_Cnt_Igc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	7.02110004		
k_MtrVoltDaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	18.0783997		
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltVecuFiltEnable_Cnt_Igc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	21.5779991		
k_VoltSatQaxPolyCoeff_Uls_f32	19.1660004		
k_deadtimeVScale_Uls_f32	0.97299999		
t_CommOffsetTblX_Uls_u3p13[0]	5022		
t_CommOffsetTblX_Uls_u3p13[1]	7003		
t_CommOffsetTblY_Cnt_u16[0]	63		
t_CommOffsetTblY_Cnt_u16[1]	327		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-198.285995		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3399		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	1.62199998		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	240	240	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	50820	50820 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	10.7200012	10.7200012 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-14.6940002	-14.6940002 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-7.66699982	-7.66699982 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	34820	34820 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓

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PICurrCntl_Per1

Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.145300001	0.145300001 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.130 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-147.343002
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	127.972
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.28900003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.70599997
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	383.354004
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-411.454987
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0120000001
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0560000017
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.432999998
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	39.0110016
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-717.330017
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-29.3959999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-1.94000006
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995
MtrCurrDaxPrevIntg_Volt_M_f32	7.36499977
MtrCurrDaxRef_Amp_M_f32[0]	-100.282997
MtrCurrDaxRef_Amp_M_f32[1]	-120.248001
MtrCurrQaxCog_Amp_M_f32	-41.5750008
MtrCurrQaxPrevIntg_Volt_M_f32	9.1906004
MtrCurrQaxRef_Amp_M_f32[0]	-65.1900024
MtrCurrQaxRef_Amp_M_f32[1]	-216.972
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.195999995
MtrPosComputationDelay_Rad_M_f32[1]	-0.303000003
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.349000007
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.126000002
PICurrCntl_InverterFailScfFac_Uls_M_f32	0.150000006

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PICurrCntrl_Per1

Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.203999996		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.521000028		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-10.21		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-784.130005		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	51.3003006		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.881699979		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-10.21		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-784.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	51.3003006		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.881699979		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	1293.53003		
k_DualEcuSignalScfFacSlew_UlspS_f32	163.600006		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	7361.14014		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.101000004		
k_MtrCtrlVirualResQax_Ohm_f32	0.107000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	15.2988997		
k_MtrVoltDaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	14.7958002		
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	6.31400013		
k_VoltSatQaxPolyCoeff_Uls_f32	16.4209995		
k_deadtimeVScale_Uls_f32	0.990999997		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	889		
t_CommOffsetTblY_Cnt_u16[1]	1543		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4458		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	4458	4458	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-23.6150017	-23.6150017 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-1.25051808	-1.25051808 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.7946043	-4.7946043 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	33385	33385 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.105549999	0.105549999 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.131 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc_Val	target_MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	6.18900013
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	83.0540009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.111000001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	757.447021
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-505.596985
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0939999968
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0879999995
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.73800004
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.727
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	841.114014
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	815.677979
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-3.59500003
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-28.4209995
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-17.1070004
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	15.9390001
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	0.851999998
MtrCurrDaxRef_Amp_M_f32[0]	-68.6760025
MtrCurrDaxRef_Amp_M_f32[1]	-96.776001
MtrCurrQaxCog_Amp_M_f32	48.8400002
MtrCurrQaxPrevIntg_Volt_M_f32	17.5212994
MtrCurrQaxRef_Amp_M_f32[0]	-146.723007
MtrCurrQaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-4.36899996
MtrPosComputationDelay_Rad_M_f32[1]	-4.83900023
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.911000013
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.127000004
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.513000011
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.68629998
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.686999977
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	570.700012
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	947.73999
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	32.4859009
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.175400004
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	570.700012
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	947.73999
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	32.4859009
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.175400004
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	6616.02002
k_DualEcuSignalSciFacSlew_UlspS_f32	164.800003
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	5777.70996
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.00200000009
k_MtrCtrlVirtualResQax_Ohm_f32	0.0410000011
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	28.8642998
k_MtrVoltDaxIntegLoLim_Volt_f32	-2.4000001
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	6.41629982
k_MtrVoltQaxIntegLoLim_Volt_f32	-11.6000004

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Name	Input Value		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	16.5690002		
k_VoltSatQaxPolyCoeff_Uls_f32	18.1630001		
k_deadtimeVScale_Uls_f32	0.971000016		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	771		
t_CommOffsetTblY_Cnt_u16[1]	1636		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntri_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntri_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1441		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	1636	1636	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	63635	63635 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-170.783005	-170.783005 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	-18.0484562	-18.0484562 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	10.1218939	10.1218939 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	4010	4010 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-2.4000001	-2.4000001	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.14760001	0.14760001 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.132 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-105.246002
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	41.6290016
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.075000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0710000023
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0560000017
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.0299999993
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.186000004
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	161.147995
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	308.806
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.1230000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0700000003

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0130000003		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.43900001		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.87399995		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	259.894012		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	103.217003		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-25.3770008		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.3880005		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	0.908999979		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	21.0249996		
MtrCtrl_Vecu_Volt_M_f32[0]	18.5559998		
MtrCtrl_Vecu_Volt_M_f32[1]	20.9160004		
MtrCurrDaxPrevIntg_Volt_M_f32	1.579		
MtrCurrDaxRef_Amp_M_f32[0]	-139.906998		
MtrCurrDaxRef_Amp_M_f32[1]	115.814003		
MtrCurrQaxCog_Amp_M_f32	107.702003		
MtrCurrQaxPrevIntg_Volt_M_f32	13.7006998		
MtrCurrQaxRef_Amp_M_f32[0]	-208.287994		
MtrCurrQaxRef_Amp_M_f32[1]	-27.9839993		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-5.46899986		
MtrPosComputationDelay_Rad_M_f32[1]	-3.09299994		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.702000022		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.128000006		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.00400000019		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.35589999		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.143000007		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	269.399994		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	79.1921005		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.763000011		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	269.399994		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	79.1921005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.763000011		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	5911.31982		
k_DualEcuSignalScfFacSlew_UlspS_f32	166		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	2332.93994		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.169		
k_MtrCtrlVirualResQax_Ohm_f32	0.194000006		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	15.7931995		
k_MtrVoltDaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	26.1371994		
k_MtrVoltQaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	4.79199982		
k_VoltSatQaxPolyCoeff_Uls_f32	19.2709999		
k_deadtimeVScale_Uls_f32	0.963		
t_CommOffsetTblX_Uls_u3p13[0]	2638		
t_CommOffsetTblX_Uls_u3p13[1]	3628		
t_CommOffsetTblY_Cnt_u16[0]	297		
t_CommOffsetTblY_Cnt_u16[1]	1110		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3172		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	3172	3172	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	16.0734272	16.0734253 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-25.1564445	-25.1564407 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	35330	35330 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.107250005	0.107250005 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.133 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.94200003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.00600004
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-80.9769974
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-53.5390015
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.115999997
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.115999997
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0270000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.352999985
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.35800004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-261.626007
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-882.955017
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.2420006
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	12.6160002
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995
MtrCurrDaxPrevIntg_Volt_M_f32	-8.56599998
MtrCurrDaxRef_Amp_M_f32[0]	-82.2979965
MtrCurrDaxRef_Amp_M_f32[1]	46.8180008
MtrCurrQaxCog_Amp_M_f32	5.72399998
MtrCurrQaxPrevIntg_Volt_M_f32	26.4118996
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.9749999
MtrPosComputationDelay_Rad_M_f32[1]	0.486999989
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.662
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.128999993
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.481000006

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.116499998		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0989999995		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-194.190002		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-340.130005		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	3.26889992		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.282200009		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-194.190002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-340.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	3.26889992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.282200009		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	7083.27002		
k_DualEcuSignalScfFacSlew_UlspS_f32	167.199997		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	947.890015		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.133000001		
k_MtrCtrlVirtualResQax_Ohm_f32	0.131999999		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	12.9096003		
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	29.3528004		
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-6.11899996		
k_VoltSatQaxPolyCoeff_Uls_f32	19.4669991		
k_deadtimeVScale_Uls_f32	0.987999976		
t_CommOffsetTblX_Uls_u3p13[0]	1212		
t_CommOffsetTblX_Uls_u3p13[1]	1704		
t_CommOffsetTblY_Cnt_u16[0]	23		
t_CommOffsetTblY_Cnt_u16[1]	212		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	479		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	479	479	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	25.862999	25.862999 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-2.46959925	-2.46959901 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.27839661	-4.27839613 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	3723	3723 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.149899989	0.149899989 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.134 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_lvrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntrl_Read_lvrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc_Val	target_MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum_Val	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.20099998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.342000008
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	808.778992
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-903.747009
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.101999998
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.838
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	827.307007
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	398.522003
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	7.60099983
MtrCurrDaxRef_Amp_M_f32[0]	160.044006
MtrCurrDaxRef_Amp_M_f32[1]	165.242004
MtrCurrQaxCog_Amp_M_f32	59.3040009
MtrCurrQaxPrevIntg_Volt_M_f32	8.14280033
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	4.70800018
MtrPosComputationDelay_Rad_M_f32[1]	-2.68499994
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.851000011
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.129999995
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.465999991
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.591700017
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0469999984
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-194.190002
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-784.130005
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	12.2650003
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.361299992
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-194.190002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-784.130005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	12.2650003
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.361299992
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	2409.94995
k_DualEcuSignalSciFacSlew_UlspS_f32	168.399994
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	4854.70996
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.0390000008
k_MtrCtrlVirtualResQax_Ohm_f32	0.158000007
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	18.4475994
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	24.7383003
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998

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Name	Input Value		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	20.7450008		
k_VoltSatQaxPolyCoeff_Uls_f32	23.7810001		
k_deadtimeVScale_Uls_f32	0.954999983		
t_CommOffsetTblX_Uls_u3p13[0]	3808		
t_CommOffsetTblX_Uls_u3p13[1]	7298		
t_CommOffsetTblY_Cnt_u16[0]	1237		
t_CommOffsetTblY_Cnt_u16[1]	383		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntri_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntri_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2036		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	383	383	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	62586	62586 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	16.3980026	16.3980026 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	19.8985023	19.8985004 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	-4.27244139	-4.27244043 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	56120	56120 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-8.02652168	-8.02652168	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.108949997	0.108949997 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.135 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-132.813004
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-9.14299965
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.123000003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0460000001
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.123000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.296
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.25800002
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-261.467987
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-308.463013
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0170000009

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0410000011		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.09599996		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.614000022		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-333.243011		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	115.543999		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-4.55999994		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-20.8330002		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-8.61900043		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-13.1560001		
MtrCtrl_Vecu_Volt_M_f32[0]	18.5559998		
MtrCtrl_Vecu_Volt_M_f32[1]	20.9160004		
MtrCurrDaxPrevIntg_Volt_M_f32	14.2440004		
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024		
MtrCurrDaxRef_Amp_M_f32[1]	-216.972		
MtrCurrQaxCog_Amp_M_f32	20.6149998		
MtrCurrQaxPrevIntg_Volt_M_f32	9.33899975		
MtrCurrQaxRef_Amp_M_f32[0]	-105.246002		
MtrCurrQaxRef_Amp_M_f32[1]	41.6290016		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	0.157000005		
MtrPosComputationDelay_Rad_M_f32[1]	-5.01100016		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.237000003		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.130999997		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.481000006		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.00650000013		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	20.7000008		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	386.220001		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	66.3365021		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.644699991		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	20.7000008		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	386.220001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	66.3365021		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.644699991		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6110.83008		
k_DualEcuSignalScfFacSlew_UlspS_f32	169.600006		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	7208.8501		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.187000006		
k_MtrCtrlVirualResQax_Ohm_f32	0.112999998		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	19.2907009		
k_MtrVoltDaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	11.4712		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	19.9039993		
k_VoltSatQaxPolyCoeff_Uls_f32	-19.9039993		
k_deadtimeVScale_Uls_f32	0.987999976		
t_CommOffsetTblX_Uls_u3p13[0]	918		
t_CommOffsetTblX_Uls_u3p13[1]	1679		
t_CommOffsetTblY_Cnt_u16[0]	71		
t_CommOffsetTblY_Cnt_u16[1]	676		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1357		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1357	1357	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-125.861	-125.861 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-4.55999994	-4.55999994 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-8.61900043	-8.61900043 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	39481	39481 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.152199998	0.152199998 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.136 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.51800001
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.48300004
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-99.1699982
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-632.38501
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.074000001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.166999996
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-1003.84003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	15.3310003
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_Vecu_Volt_M_f32[0]	17.7010002
MtrCtrl_Vecu_Volt_M_f32[1]	20.0610008
MtrCurrDaxPrevIntg_Volt_M_f32	-1.39499998
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	6.73180008
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.787003
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.15700006
MtrPosComputationDelay_Rad_M_f32[1]	4.67700005
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.944000006
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.131999999
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.294999987

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.167500004		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-340.130005		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	71.040802		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.209299996		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-340.130005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	71.040802		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.209299996		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	5388.75		
k_DualEcuSignalScfFacSlew_UlspS_f32	170.800003		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	3076.13989		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.145999998		
k_MtrCtrlVirualResQax_Ohm_f32	0.0710000023		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	20.0139999		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	13.2535		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-4.86499977		
k_VoltSatQaxPolyCoeff_Uls_f32	-7.41699982		
k_deadtimeVScale_Uls_f32	0.970000029		
t_CommOffsetTblX_Uls_u3p13[0]	918		
t_CommOffsetTblX_Uls_u3p13[1]	1679		
t_CommOffsetTblY_Cnt_u16[0]	71		
t_CommOffsetTblY_Cnt_u16[1]	676		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	826		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	676	676	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63569	63569 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-19.3592358	-19.3592358 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	1.96960425	1.96960425 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	33456	33456 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	20.0139999	20.0139999	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.110649996	0.110649996 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_ModIdx_Uls_u16p16	1	MtrCntrl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.137 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.675999999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.14600003
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	63.882
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-0.995000005
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.115999997
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.115999997
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0270000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.638999999
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.104000002
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-406.304993
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-469.421997
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.2420006
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	12.6160002
MtrCtrl_Vecu_Volt_M_f32[0]	18.5559998
MtrCtrl_Vecu_Volt_M_f32[1]	20.9160004
MtrCurrDaxPrevIntg_Volt_M_f32	-27.6930008
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024
MtrCurrDaxRef_Amp_M_f32[1]	-216.972
MtrCurrQaxCog_Amp_M_f32	5.72399998
MtrCurrQaxPrevIntg_Volt_M_f32	14.2131004
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.36999989
MtrPosComputationDelay_Rad_M_f32[1]	2.67000008
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.25999999
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.133000001
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.222000003
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.763899982
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0469999984
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	22.2399998
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-10.21
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	44.2909012
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.210999995
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	22.2399998
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-10.21
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	44.2909012
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.210999995
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	7174.7002
k_DualEcuSignalScfFacSlew_UlspS_f32	172
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	1940.90002
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.159999996
k_MtrCtrlVirtualResQax_Ohm_f32	0.0109999999
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	14.0096998
k_MtrVoltDaxIntegLoLim_Volt_f32	-25.6000004
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	19.7115993
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004
k_MtrVoltVecuFiltEnable_Cnt_lgc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	14.1599998		
k_VoltSatQaxPolyCoeff_Uls_f32	-17.3999996		
k_deadtimeVScale_Uls_f32	0.967999995		
t_CommOffsetTblX_Uls_u3p13[0]	1532		
t_CommOffsetTblX_Uls_u3p13[1]	2851		
t_CommOffsetTblY_Cnt_u16[0]	912		
t_CommOffsetTblY_Cnt_u16[1]	1211		
target_MtrCntri_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntri_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	827		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	827	827	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	25.862999	25.862999 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	-2.4196074	-2.4196074 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	-4.19178963	-4.19178963 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	62948	62948 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.154500008	0.154500008 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.138 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.33800006
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.481999993
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	406.850006
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	57.3230019
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125

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Name	Input Value
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.810000002
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.185000002
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	222.291
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	1002.88
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003
MtrCtrl_Vecu_Volt_M_f32[0]	21.3729992
MtrCtrl_Vecu_Volt_M_f32[1]	23.7329998
MtrCurrDaxPrevIntg_Volt_M_f32	20.066
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	59.3040009
MtrCurrQaxPrevIntg_Volt_M_f32	17.0116005
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.68400002
MtrPosComputationDelay_Rad_M_f32[1]	5.81400013
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.185000002
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.134000003
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.737999976
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.89200002
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	570.700012
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	79.9187012
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.882499993
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	570.700012
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	79.9187012
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.882499993
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	3789.18994
k_DualEcuSignalScfFacSlew_UlspS_f32	173.199997
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	3865.98999
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	1
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0
k_MtrCtrlVirualRes	

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PICurrCntl_Per1

Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.112350002	0.112350002 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModlDx_Uls_u16p16	1	MtrCntl_Write_ModlDx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.139 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.10300004
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.991999984
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	841.302979
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-775.062012
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.25199997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.245
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	582.953003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	578.156982
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995
MtrCurrDaxPrevIntg_Volt_M_f32	-7.71299982
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	15.2893
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.787003
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.86899996
MtrPosComputationDelay_Rad_M_f32[1]	0.839999974
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.723999977
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.135000005
PICurrCntl_InverterFailScfFac_Uls_M_f32	0.800999999

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.752200007		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	13.1514997		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.821500003		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	13.1514997		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.821500003		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	3827.27002		
k_DualEcuSignalScfFacSlew_UlspS_f32	174.399994		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	2156.63989		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.0219999999		
k_MtrCtrlVirualResQax_Ohm_f32	0.0960000008		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	19.5093002		
k_MtrVoltDaxIntegLoLim_Volt_f32	-1.39999998		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	29.0611992		
k_MtrVoltQaxIntegLoLim_Volt_f32	-11.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	20.5559998		
k_VoltSatQaxPolyCoeff_Uls_f32	-5.53700018		
k_deadtimeVScale_Uls_f32	0.957000017		
t_CommOffsetTblX_Uls_u3p13[0]	8192		
t_CommOffsetTblX_Uls_u3p13[1]	8192		
t_CommOffsetTblY_Cnt_u16[0]	63		
t_CommOffsetTblY_Cnt_u16[1]	327		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1730		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1730	1730	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-1.77754962	-1.77754986 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	4.44258213	4.44258308 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	25955	25955 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.156800002	0.156800002 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓	
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓	
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓	

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PICurrCntrl_Per1

Test Step 2.140 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_lvrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_lvrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.62699997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.414000005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-64.4329987
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	243.455002
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.115999997
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.115999997
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0270000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.94700003
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.409000009
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	648.445007
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-828.104004
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.2420006
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	12.6160002
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	-7.6500001
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024
MtrCurrDaxRef_Amp_M_f32[1]	-216.972
MtrCurrQaxCog_Amp_M_f32	5.72399998
MtrCurrQaxPrevIntg_Volt_M_f32	14.2027998
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	5.21500015
MtrPosComputationDelay_Rad_M_f32[1]	0.550000012
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.848999977
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.136000007
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.296000004
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.194800004
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0469999984
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	267.119995
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	60.8638
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.472600013
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	267.119995
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-194.190002
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	60.8638
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.472600013
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	208.033005
k_DualEcuSignalSciFacSlew_UlspS_f32	175.600006
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	5517.5
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.180000007
k_MtrCtrlVirtualResQax_Ohm_f32	0.0839999989
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	12.5352001
k_MtrVoltDaxIntegLoLim_Volt_f32	-30.2000008
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	5.54530001
k_MtrVoltQaxIntegLoLim_Volt_f32	-30.2000008

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Name	Input Value		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	24.8269997		
k_VoltSatQaxPolyCoeff_Uls_f32	-17.3369999		
k_deadtimeVScale_Uls_f32	0.958000004		
t_CommOffsetTblX_Uls_u3p13[0]	3808		
t_CommOffsetTblX_Uls_u3p13[1]	7298		
t_CommOffsetTblY_Cnt_u16[0]	889		
t_CommOffsetTblY_Cnt_u16[1]	1543		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntri_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntri_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3235		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	1273	1273	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	46868	46868 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-192.119995	-192.119995 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	8.55099964	8.55099964 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	12.6160002	12.6160002 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	11950	11950 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-30.2000008	-30.2000008	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.114050008	0.114050008 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.141 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.028
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.828000009
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	670.815002
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-276.028992
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0939999968		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.136000007		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.861999989		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	360.989014		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	26.3950005		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003		
MtrCtrl_Vecu_Volt_M_f32[0]	18.5559998		
MtrCtrl_Vecu_Volt_M_f32[1]	20.9160004		
MtrCurrDaxPrevIntg_Volt_M_f32	-9.05200005		
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007		
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001		
MtrCurrQaxCog_Amp_M_f32	59.3040009		
MtrCurrQaxPrevIntg_Volt_M_f32	-20.8540993		
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006		
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-1.46899998		
MtrPosComputationDelay_Rad_M_f32[1]	-5.42999983		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.231999993		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.136999995		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.448000014		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.032099995		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	9.46790028		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.962000012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	9.46790028		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.962000012		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	6145.56982		
k_DualEcuSignalScfFacSlew_UlspS_f32	176.800003		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	4019.20996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.131999999		
k_MtrCtrlVirualResQax_Ohm_f32	0.112999998		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	25.1942005		
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	29.8994007		
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	6.06099987		
k_VoltSatQaxPolyCoeff_Uls_f32	-12.2449999		
k_deadtimeVScale_Uls_f32	0.963999987		
t_CommOffsetTblX_Uls_u3p13[0]	5022		
t_CommOffsetTblX_Uls_u3p13[1]	7003		
t_CommOffsetTblY_Cnt_u16[0]	0		
t_CommOffsetTblY_Cnt_u16[1]	0		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4296		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	4296	4296	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-193.251007	-193.251007 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	4.07818031	4.07818031 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-2.56921101	-2.56921077 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_uOp16(val)	6926	6926 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.159099996	0.159099996 ± 0.0625	✔

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Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.142 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.75899994
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.45799994
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-948.984009
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-975.934021
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.261000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.754000008
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-227.466003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-453.338013
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995
MtrCurrDaxPrevIntg_Volt_M_f32	18.9990005
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	29.6310005
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.787003
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.344999999
MtrPosComputationDelay_Rad_M_f32[1]	0.467999995
PlCurrCntl_CurrSensFailScfFac_Uls_M_f32	0.777999997
PlCurrCntl_DualEcuFailScfFac_Uls_M_f32	0.137999997

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Name	Input Value		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0450000018		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0951000005		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.8330000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	404.899994		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	20.7000008		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	10.3985996		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.630500019		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	404.899994		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	20.7000008		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	10.3985996		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.630500019		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6667.54004		
k_DualEcuSignalScfFacSlew_UlspS_f32	178		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	7823.27002		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0820000023		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0120000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	21.4818001		
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	25.8833008		
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-7.19700003		
k_VoltSatQaxPolyCoeff_Uls_f32	-19.9090004		
k_deadtimeVScale_Uls_f32	0.963999987		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	2000		
t_CommOffsetTblY_Cnt_u16[1]	2000		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	674		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	674	674	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-14.6940002	-14.6940002 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-7.66699982	-7.66699982 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	40537	40537 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.11575	0.11575 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.143 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.010999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.36399996
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.949
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-232.371994
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-761.935974
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.65799999
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.30399999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-174.839996
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	903.403015
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	-3.78200006
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	0.371499985
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.48799992
MtrPosComputationDelay_Rad_M_f32[1]	0.00100000005
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.851999998
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.138999999
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.398999989
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.208499998
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	865.320007
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-340.130005
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	69.4054031
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0452999994
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	865.320007
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-340.130005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	69.4054031
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0452999994
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7980.1499
k_DualEcuSignalScfFacSlew_UlspS_f32	179.199997
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	6489.7002
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.00999999978
k_MtrCtrlVirtualResQax_Ohm_f32	0.163000003
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	16.9069004
k_MtrVoltDaxIntegLoLim_Volt_f32	-8.68999958
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	11.2285004

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Name	Input Value		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltVecuFiltEnable_Cnt_Igc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-18.3610001		
k_VoltSatQaxPolyCoeff_Uls_f32	22.7819996		
k_deadtimeVScale_Uls_f32	0.963999987		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	49		
t_CommOffsetTblY_Cnt_u16[1]	735		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4608		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	735	735	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	63176	63176 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-20.4382973	-20.4382992 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	2.07938766	2.0793879 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	50220	50220 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	14.9324055	14.9324188	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.161400005	0.161400005 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSciFac	1	LoaMtgnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.144 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.344999999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.98000002
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-475.019012
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-121.873001
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0939999968		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.633000016		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.5		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-892.642029		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-451.738007		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003		
MtrCtrl_Vecu_Volt_M_f32[0]	18.5559998		
MtrCtrl_Vecu_Volt_M_f32[1]	20.9160004		
MtrCurrDaxPrevIntg_Volt_M_f32	-9.05200005		
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007		
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001		
MtrCurrQaxCog_Amp_M_f32	59.3040009		
MtrCurrQaxPrevIntg_Volt_M_f32	14.3669996		
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006		
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-5.50199986		
MtrPosComputationDelay_Rad_M_f32[1]	4.21099997		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.231999993		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.140000001		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.448000014		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.254799992		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	22.2399998		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	87.5784988		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.966000021		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	22.2399998		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	87.5784988		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.966000021		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6145.56982		
k_DualEcuSignalScfFacSlew_UlspS_f32	180.399994		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4019.20996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0		
k_MtrCtrlVirualResQax_Ohm_f32	0.0949999988		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	30.8994007		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	12.4134998		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	2.44199991		
k_VoltSatQaxPolyCoeff_Uls_f32	19.2689991		
k_deadtimeVScale_Uls_f32	0.963999987		
t_CommOffsetTblX_Uls_u3p13[0]	5022		
t_CommOffsetTblX_Uls_u3p13[1]	7003		
t_CommOffsetTblY_Cnt_u16[0]	671		
t_CommOffsetTblY_Cnt_u16[1]	876		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2125		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	2125	2125	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-193.251007	-193.251007 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-13.601759	-13.601759 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	26.6091251	26.6091251 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	3219	3219 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔

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Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.117449999	0.117449999 ± 0.0625	✓

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Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModlDx_Uls_u16p16	1	MtrCntl_Write_ModlDx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.145 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.409000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.16600001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	967.463013
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-285.221985
MtrCtrl_MtrlmpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.305999994
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.232999995
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-121.924004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	483.27301
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995
MtrCurrDaxPrevIntg_Volt_M_f32	18.9990005
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	1.06570005
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.787003
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-3.16700006
MtrPosComputationDelay_Rad_M_f32[1]	3.09599996
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.777999997

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Name	Input Value		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.141000003		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0450000018		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.837800026		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-657.099976		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	267.119995		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	75.4597015		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.830900013		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	-657.099976		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	267.119995		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	75.4597015		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.830900013		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6667.54004		
k_DualEcuSignalScfFacSlew_UlspS_f32	181.600006		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	7823.27002		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.200000003		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0109999999		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	26.6909008		
k_MtrVoltDaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	20.4568005		
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	20.2509995		
k_VoltSatQaxPolyCoeff_Uls_f32	18.1280003		
k_deadtimeVScale_Uls_f32	0.963999987		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	912		
t_CommOffsetTblY_Cnt_u16[1]	1211		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1468		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1468	1468	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-14.6940002	-14.6940002 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-7.66699982	-7.66699982 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	11103	11103 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.163699999	0.163699999 ± 0.0625	✔

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Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.146 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.93900001
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.36699998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	826.950989
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-163.621994
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.26100004
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.60300004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-401.145996
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-278.5
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	-3.78200006
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	13.5303001
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	3.42499995
MtrPosComputationDelay_Rad_M_f32[1]	-0.836000025
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.851999998
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.142000005
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.398999989

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.633599997		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-657.099976		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	17.0797005		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.727199972		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-657.099976		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	17.0797005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.727199972		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7980.1499		
k_DualEcuSignalScfFacSlew_UlspS_f32	182.800003		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	6489.7002		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.182999998		
k_MtrCtrlVirtualResQax_Ohm_f32	0.169		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	16.2366009		
k_MtrVoltDaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	22.8831997		
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	3.96000004		
k_VoltSatQaxPolyCoeff_Uls_f32	7.87699986		
k_deadtimeVScale_Uls_f32	0.963999987		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	49		
t_CommOffsetTblY_Cnt_u16[1]	735		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2363		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	735	735	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63176	63176 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-20.4382973	-20.4382992 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	2.07938766	2.0793879 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	41490	41490 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-10.5	-10.5	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.119150005	0.119150005 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓	
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓	

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Test Step 2.147 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.527999997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.268999994
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-311.075012
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-305.570007
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.12899995
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.556999981
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	354.154999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	556.525024
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_Vecu_Volt_M_f32[0]	24.8479996
MtrCtrl_Vecu_Volt_M_f32[1]	27.2080002
MtrCurrDaxPrevIntg_Volt_M_f32	-7.71299982
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	30.4999008
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.787003
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	5.14300013
MtrPosComputationDelay_Rad_M_f32[1]	0.453999996
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.723999977
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.143000007
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.111000001
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.233400002
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	52.7086983
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.584299982
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	52.7086983
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.584299982
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	3827.27002
k_DualEcuSignalScfFacSlew_UlspS_f32	184
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	2156.63989
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.131999999
k_MtrCtrlVirtualResQax_Ohm_f32	0
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	15.3010998
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.6000004
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	13.0423002
k_MtrVoltQaxIntegLoLim_Volt_f32	-11.6000004
k_MtrVoltVecuFiltEnable_Cnt_lgc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	7.04799986		
k_VoltSatQaxPolyCoeff_Uls_f32	6.82399988		
k_deadtimeVScale_Uls_f32	0.968999982		
t_CommOffsetTblX_Uls_u3p13[0]	5022		
t_CommOffsetTblX_Uls_u3p13[1]	7003		
t_CommOffsetTblY_Cnt_u16[0]	63		
t_CommOffsetTblY_Cnt_u16[1]	327		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	-118.848		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	672		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	-118.848		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	672	672	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	-2.19647002	-2.19647002 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	4.31851149	4.31851149 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	48736	48736 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.166000009	0.166000009 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.148 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.75999999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.0970000029
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	979.52301
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	987.510986
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.115999997

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Name	Input Value		
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.115999997		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0970000029		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.0270000007		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.10699999		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.653999984		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-420.446991		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	525.913025		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.2420006		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	12.6160002		
MtrCtrl_Vecu_Volt_M_f32[0]	29.0240002		
MtrCtrl_Vecu_Volt_M_f32[1]	30.3600006		
MtrCurrDaxPrevIntg_Volt_M_f32	-7.6500001		
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024		
MtrCurrDaxRef_Amp_M_f32[1]	-216.972		
MtrCurrQaxCog_Amp_M_f32	5.72399998		
MtrCurrQaxPrevIntg_Volt_M_f32	-16.7549		
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999		
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-2.02900004		
MtrPosComputationDelay_Rad_M_f32[1]	-1.17700005		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.848999977		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.143999994		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.816999972		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.9375		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0469999984		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	87.7649002		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.605599999		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	87.7649002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.605599999		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	208.033005		
k_DualEcuSignalScfFacSlew_UlspS_f32	185.199997		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	5517.5		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.0179999992		
k_MtrCtrlVirualResQax_Ohm_f32	0.200000003		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	17.5195007		
k_MtrVoltDaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	4.98169994		
k_MtrVoltQaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-20.4769993		
k_VoltSatQaxPolyCoeff_Uls_f32	4.35599995		
k_deadtimeVScale_Uls_f32	0.977999985		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	889		
t_CommOffsetTblY_Cnt_u16[1]	1543		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.3040009		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1798		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1798	1798	✓
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	25.862999	25.862999 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-28.2809677	-28.2809677 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	10.925561	10.925561 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	31834	31834 ± 1.52588E-05	✓

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PICurrCntl_Per1

Name	Actual Value	Expected Value	Result
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntl_DualEcuFailSciFac_Uls_M_f32	0.120849997	0.120849997 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSciFac	1	LoaMtgnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.149 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.99100006
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.046
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-57.7280006
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	352.100006
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.634000003
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.12699997
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-489.911011
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-1007.60999
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003
MtrCtrl_Vecu_Volt_M_f32[0]	17.7010002
MtrCtrl_Vecu_Volt_M_f32[1]	20.0610008
MtrCurrDaxPrevIntg_Volt_M_f32	-9.05200005
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	59.3040009
MtrCurrQaxPrevIntg_Volt_M_f32	30.4363995
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-5.35500002
MtrPosComputationDelay_Rad_M_f32[1]	1.125

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PICurrCntrl_Per1

Name	Input Value		
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.231999993		
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.144999996		
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.657000005		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.83099997		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	58.6543999		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.82130003		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	-1118		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	58.6543999		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.82130003		
k_CLOAFdbckSignalSciFacSlew_UlspS_f32	6145.56982		
k_DualEcuSignalSciFacSlew_UlspS_f32	186.399994		
k_ILOAFdbckSignalSciFacSlew_UlspS_f32	4019.20996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0329999998		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0590000004		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRpEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	27.2359009		
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	27.6382999		
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	2.04900002		
k_VoltSatQaxPolyCoeff_Uls_f32	-6.98999977		
k_deadtimeVScale_Uls_f32	0.996999979		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	771		
t_CommOffsetTblY_Cnt_u16[1]	1636		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2210		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1636	1636	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	65339	65339 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	16.3980026	16.3980026 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-10.1278782	-10.1278772 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-17.2469959	-17.246994 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	50040	50040 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-9.64999962	-9.64999962	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.168300003	0.168300003 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnSciFac	1	LoaMtgtnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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PICurrCntrl_Per1

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Test Step 2.150 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-200.556
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-98.4449997
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.085000009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.79400003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.268000007
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	1.13
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	893.153992
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.085000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.085000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.472000003
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.03400004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-816.005981
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-233.619995
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.3880005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-3.59500003
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-28.4209995
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	-9.66300011
MtrCurrDaxRef_Amp_M_f32[0]	-133.947006
MtrCurrDaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxCog_Amp_M_f32	83.9489975
MtrCurrQaxPrevIntg_Volt_M_f32	20.3910999
MtrCurrQaxRef_Amp_M_f32[0]	106.072998
MtrCurrQaxRef_Amp_M_f32[1]	-112.455002
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-6.19099998
MtrPosComputationDelay_Rad_M_f32[1]	0.512000024
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.911000013
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.145999998
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.513000011
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.0749000013
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.565999985
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-1118
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	40.2612
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.925599992
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-1118
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	40.2612
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.925599992
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6616.02002
k_DualEcuSignalScfFacSlew_UlspS_f32	187.600006
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	5777.70996
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.140000001
k_MtrCtrlVirtualResQax_Ohm_f32	0.0560000017
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	15.4277
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	8.11270046

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Name	Input Value		
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-25		
k_VoltSatQaxPolyCoeff_Uls_f32	0.398000002		
k_deadtimeVScale_Uls_f32	0.971000016		
t_CommOffsetTblX_Uls_u3p13[0]	5022		
t_CommOffsetTblX_Uls_u3p13[1]	7003		
t_CommOffsetTblY_Cnt_u16[0]	297		
t_CommOffsetTblY_Cnt_u16[1]	1110		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1099		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1099	1099	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	22.1240005	22.1240005 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-0.164528802	-0.164528832 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.852211	-4.85221148 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	0	0 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.122549996	0.122549996 ± 0.0625	✔

Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSciFac	1	LoaMtgnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.151 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr	target_MtrCntrl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.684000015
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.978999972
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-984.268005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	119.455002

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Name	Input Value		
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.0419999994		
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.0280000009		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0419999994		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.0280000009		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.566999972		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.83399999		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	762.239014		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-528.901978		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-25.3770008		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	21.3880005		
MtrCtrl_Vecu_Volt_M_f32[0]	18.5559998		
MtrCtrl_Vecu_Volt_M_f32[1]	20.9160004		
MtrCurrDaxPrevIntg_Volt_M_f32	-27.3339996		
MtrCurrDaxRef_Amp_M_f32[0]	209.052002		
MtrCurrDaxRef_Amp_M_f32[1]	-124.994003		
MtrCurrQaxCog_Amp_M_f32	-144.667007		
MtrCurrQaxPrevIntg_Volt_M_f32	2.85220003		
MtrCurrQaxRef_Amp_M_f32[0]	24.6130009		
MtrCurrQaxRef_Amp_M_f32[1]	-20.9400005		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	3.82500005		
MtrPosComputationDelay_Rad_M_f32[1]	2.33800006		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.702000022		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.147		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.00400000019		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.716700017		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	60.2319984		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.522199988		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	60.2319984		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.522199988		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	5911.31982		
k_DualEcuSignalScfFacSlew_UlspS_f32	188.800003		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	2332.93994		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0209999997		
k_MtrCtrlVirtualResQax_Ohm_f32	0.150999993		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	13.2849998		
k_MtrVoltDaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	11.2693005		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	25		
k_VoltSatQaxPolyCoeff_Uls_f32	20.7369995		
k_deadtimeVScale_Uls_f32	0.963		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	23		
t_CommOffsetTblY_Cnt_u16[1]	212		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	665		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	665	665	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	169.280014	169.280014 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-16.1349812	-16.1349812 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-25.1170063	-25.1170063 ± 4.88E-04	✓

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Name	Actual Value	Expected Value	Result
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	13084	13084 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.170599997	0.170599997 ± 0.0625	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓	
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16					

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Name	Input Value		
MtrPosComputationDelay_Rad_M_f32[1]	2.56500006		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.662		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.148000002		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.481000006		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.65079999		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.686999977		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	570.700012		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	76.1873016		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0882999972		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	0		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	76.1873016		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0882999972		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7083.27002		
k_DualEcuSignalScfFacSlew_UlspS_f32	190		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	947.890015		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.126000002		
k_MtrCtrlVirualResQax_Ohm_f32	0.115999997		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	5.48570013		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	13.9652004		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	0		
k_VoltSatQaxPolyCoeff_Uls_f32	-1.46500003		
k_deadtimeVScale_Uls_f32	0.987999976		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	1237		
t_CommOffsetTblY_Cnt_u16[1]	383		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1724		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	739	739	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	28516	28516 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-175.397003	-175.397003 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	2.61400008	2.61400008 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-1.94000006	-1.94000006 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	49797	49797 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	5.48570013	5.48570013	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.124250002	0.124250002 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.153 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	6.18900013
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	83.0540009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.273999989
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.469999999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-538.278992
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-363.735992
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0939999968
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0879999995
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.36099994
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.0199999996
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-870.234009
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	991.184998
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-3.59500003
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-28.4209995
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-17.1070004
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	15.9390001
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	10.2959995
MtrCurrDaxRef_Amp_M_f32[0]	-82.2979965
MtrCurrDaxRef_Amp_M_f32[1]	46.8180008
MtrCurrQaxCog_Amp_M_f32	48.8400002
MtrCurrQaxPrevIntg_Volt_M_f32	7.01200008
MtrCurrQaxRef_Amp_M_f32[0]	-146.723007
MtrCurrQaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	4.78000021
MtrPosComputationDelay_Rad_M_f32[1]	-2.88599992
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.851000011
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.149000004
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.465999991
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.371499985
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.143000007

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Name	Input Value		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	99.3730011		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.1426		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	0		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	99.3730011		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.1426		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	2409.94995		
k_DualEcuSignalScfFacSlew_UlspS_f32	191.199997		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4854.70996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0939999968		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0769999996		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	18.2031002		
k_MtrVoltDaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	3.43330002		
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-24.0909996		
k_VoltSatQaxPolyCoeff_Uls_f32	20.9540005		
k_deadtimeVScale_Uls_f32	0.954999983		
t_CommOffsetTblX_Uls_u3p13[0]	5022		
t_CommOffsetTblX_Uls_u3p13[1]	7003		
t_CommOffsetTblY_Cnt_u16[0]	63		
t_CommOffsetTblY_Cnt_u16[1]	327		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	568		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	568	568	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-195.563004	-195.563004 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	4.68526125	4.68526077 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-0.921387315	-0.921387196 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	2731	2731 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.172900006	0.172900006 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtnEna_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtnEna_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtnEna_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtnEna_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtnScfFac	1	LoaMtnScfFac	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.154 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-147.343002
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	127.972
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.648
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.782000005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-530.372009
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-420.145996
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0120000001
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0560000017
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.47300005
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.944000006
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	736.344971
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	379.115997
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-29.3959999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-1.94000006
MtrCtrl_Vecu_Volt_M_f32[0]	18.5559998
MtrCtrl_Vecu_Volt_M_f32[1]	20.9160004
MtrCurrDaxPrevIntg_Volt_M_f32	7.36499977
MtrCurrDaxRef_Amp_M_f32[0]	-65.1900024
MtrCurrDaxRef_Amp_M_f32[1]	-216.972
MtrCurrQaxCog_Amp_M_f32	-41.5750008
MtrCurrQaxPrevIntg_Volt_M_f32	11.7653999
MtrCurrQaxRef_Amp_M_f32[0]	31.5869999
MtrCurrQaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.195999995
MtrPosComputationDelay_Rad_M_f32[1]	-0.303000003
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.237000003
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.150000006
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.481000006
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.982200027
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.0469999984
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-627.179993
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	64.5255966
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.514999986
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-627.179993
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	64.5255966
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.514999986
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	6110.83008
k_DualEcuSignalScfFacSlew_UlspS_f32	192.399994
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	7208.8501
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	1
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.0909999982
k_MtrCtrlVirtualResQax_Ohm_f32	0.172999993
k_MtrCurrQaxRefModifDsb_Cnt_Igc	1
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	1
k_MtrVoltDaxIntegHiLim_Volt_f32	27.6355991
k_MtrVoltDaxIntegLoLim_Volt_f32	-10.5
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	26.4790993
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.5
k_MtrVoltVecuFiltEnable_Cnt_Igc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	8.55000019		
k_VoltSatQaxPolyCoeff_Uls_f32	-12.8280001		
k_deadtimeVScale_Uls_f32	0.987999976		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	889		
t_CommOffsetTblY_Cnt_u16[1]	1543		
target_MtrCntri_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr	1		
target_MtrCntri_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr	0		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_Igc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr	1		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2927		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	2927	2927	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	73.1620026	73.1620026 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	-1.24673235	-1.24673235 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	-4.78008938	-4.78008938 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	33385	33385 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.125950009	0.125950009 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.155 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	6.18900013
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	83.0540009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.10399997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.256000012
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	458.355011
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-1015.39001
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0799999982

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0939999968		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0879999995		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.77700001		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.27199996		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	309.817993		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-766.486023		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-3.59500003		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-28.4209995		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-17.1070004		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	15.9390001		
MtrCtrl_Vecu_Volt_M_f32[0]	17.7010002		
MtrCtrl_Vecu_Volt_M_f32[1]	20.0610008		
MtrCurrDaxPrevIntg_Volt_M_f32	0.851999998		
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007		
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001		
MtrCurrQaxCog_Amp_M_f32	48.8400002		
MtrCurrQaxPrevIntg_Volt_M_f32	24.9650002		
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006		
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-4.36899996		
MtrPosComputationDelay_Rad_M_f32[1]	-4.83900023		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.231999993		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.150999993		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.657000005		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.287900001		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	70.1921005		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.3741		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	70.1921005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.3741		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6145.56982		
k_DualEcuSignalScfFacSlew_UlspS_f32	193.600006		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4019.20996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.193000004		
k_MtrCtrlVirtualResQax_Ohm_f32	0.114		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	14.8564997		
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	28.1163998		
k_MtrVoltQaxIntegLoLim_Volt_f32	-11.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	18.2779999		
k_VoltSatQaxPolyCoeff_Uls_f32	-25		
k_deadtimeVScale_Uls_f32	0.996999979		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	771		
t_CommOffsetTblY_Cnt_u16[1]	1636		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1789		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1636	1636	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	65339	65339 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	26.8620033	26.8620033 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-17.4447498	-17.4447479 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	9.7833252	9.78332424 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	4010	4010 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-5.81056309	-5.81056309	✔

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Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.1752	0.1752 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.156 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	31.5869999
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-186.395996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0340000018
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.104999997
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.115999997
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.115999997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.47399998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.90199995
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-146.214005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-942.195007
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.123000003
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.49000001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.959999979
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-53.862999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	75.7020035
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-30.2169991
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	19.2049999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-27.0669994
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	28.1070004
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	-18.5370007
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	79.6729965
MtrCurrQaxPrevIntg_Volt_M_f32	-26.8785992
MtrCurrQaxRef_Amp_M_f32[0]	-146.173996
MtrCurrQaxRef_Amp_M_f32[1]	-213.335007
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	1.52600002
MtrPosComputationDelay_Rad_M_f32[1]	-2.68400002
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.400000006
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.151999995
PICurrCntl_InverterFailScfFac_Uls_M_f32	0.0590000004

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.967899978		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.337000012		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	22.2399998		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	16.5851002		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.887899995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	22.2399998		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	16.5851002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.887899995		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	2663.65991		
k_DualEcuSignalScfFacSlew_UlspS_f32	194.800003		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	5194.8999		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.112000003		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0219999999		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	6.98460007		
k_MtrVoltDaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	29.5142002		
k_MtrVoltQaxIntegLoLim_Volt_f32	-30.2000008		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-2.4230001		
k_VoltSatQaxPolyCoeff_Uls_f32	25		
k_deadtimeVScale_Uls_f32	0.958999991		
t_CommOffsetTblX_Uls_u3p13[0]	6528		
t_CommOffsetTblX_Uls_u3p13[1]	8192		
t_CommOffsetTblY_Cnt_u16[0]	76		
t_CommOffsetTblY_Cnt_u16[1]	211		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-9.31999969		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	65		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-9.31999969		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	65	65	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	2.70515442	2.70515442 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	3.95906138	3.95906138 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	43793	43793 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.127649993	0.127649993 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEna_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEna_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_ModIdx_Uls_u16p16	1	MtrCntrl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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PICurrCntrl_Per1

Test Step 2.157 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_lvrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_lvrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.397000015
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.980000019
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	161.654999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-253.688004
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.115999997
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.115999997
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0270000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.057
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.633000016
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-170.535004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-25.7549992
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.2420006
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	12.6160002
MtrCtrl_Vecu_Volt_M_f32[0]	18.5559998
MtrCtrl_Vecu_Volt_M_f32[1]	20.9160004
MtrCurrDaxPrevIntg_Volt_M_f32	-8.56599998
MtrCurrDaxRef_Amp_M_f32[0]	209.052002
MtrCurrDaxRef_Amp_M_f32[1]	-124.994003
MtrCurrQaxCog_Amp_M_f32	5.72399998
MtrCurrQaxPrevIntg_Volt_M_f32	12.8451004
MtrCurrQaxRef_Amp_M_f32[0]	24.6130009
MtrCurrQaxRef_Amp_M_f32[1]	-20.9400005
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.9749999
MtrPosComputationDelay_Rad_M_f32[1]	0.486999989
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.702000022
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.152999997
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.00400000019
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.853799999
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-717.299988
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	87.3075027
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.461600006
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-717.299988
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	87.3075027
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.461600006
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	5911.31982
k_DualEcuSignalScfFacSlew_UlspS_f32	196
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	2332.93994
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.144999996
k_MtrCtrlVirtualResQax_Ohm_f32	0.155000001
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1
k_MtrVoltDaxIntegHiLim_Volt_f32	5.5145998
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	6.05779982
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962

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Name	Input Value		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-3.26600003		
k_VoltSatQaxPolyCoeff_Uls_f32	0		
k_deadtimeVScale_Uls_f32	0.963		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	163		
t_CommOffsetTblY_Cnt_u16[1]	1236		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntri_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1357		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	1357	1357	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	18.8889999	18.8889999 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	-2.4071095	-2.4071095 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	-4.17013788	-4.17013788 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	3723	3723 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.177499995	0.177499995 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.158 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.49000001
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.741999984
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-517.109009
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-593.112976
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998

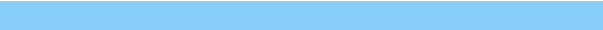
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Name	Input Value		
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.125		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0529999994		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.0939999968		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.15900004		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.60500002		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	323.631989		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-319.569		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003		
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981		
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995		
MtrCurrDaxPrevIntg_Volt_M_f32	7.60099983		
MtrCurrDaxRef_Amp_M_f32[0]	-139.906998		
MtrCurrDaxRef_Amp_M_f32[1]	115.814003		
MtrCurrQaxCog_Amp_M_f32	59.3040009		
MtrCurrQaxPrevIntg_Volt_M_f32	20.2117004		
MtrCurrQaxRef_Amp_M_f32[0]	-65.1900024		
MtrCurrQaxRef_Amp_M_f32[1]	-216.972		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	4.70800018		
MtrPosComputationDelay_Rad_M_f32[1]	-2.68499994		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.662		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.153999999		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.481000006		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.189799994		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.686999977		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	97.3968964		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.662699997		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	97.3968964		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.662699997		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	7083.27002		
k_DualEcuSignalScfFacSlew_UlspS_f32	197.199997		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	947.890015		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.023		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0179999992		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	19.8029995		
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	29.0914993		
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	10.1960001		
k_VoltSatQaxPolyCoeff_Uls_f32	-19.0979996		
k_deadtimeVScale_Uls_f32	0.987999976		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	1081		
t_CommOffsetTblY_Cnt_u16[1]	1779		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	903		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1779	1779	✓
MtrCntrl_Write_Modldx_Uls_u16p16(val)	64749	64749 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-3.74271941	-3.74271894 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-6.37356281	-6.37356234 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	10301	10301 ± 1.52588E-05	✓



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Name	Input Value		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0590000004		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.827000022		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.337000012		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	22.2399998		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	16.5851002		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.887899995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	22.2399998		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	16.5851002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.887899995		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	2663.65991		
k_DualEcuSignalScfFacSlew_UlspS_f32	198.399994		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	5194.8999		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.112000003		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0219999999		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	30.4445		
k_MtrVoltDaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	23.5652008		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-2.4230001		
k_VoltSatQaxPolyCoeff_Uls_f32	14.658		
k_deadtimeVScale_Uls_f32	0.958999991		
t_CommOffsetTblX_Uls_u3p13[0]	6528		
t_CommOffsetTblX_Uls_u3p13[1]	8192		
t_CommOffsetTblY_Cnt_u16[0]	76		
t_CommOffsetTblY_Cnt_u16[1]	211		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-9.31999969		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	65		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-9.31999969		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	65	65	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	2.70515442	2.70515442 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	3.95906138	3.95906138 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	43793	43793 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.179800004	0.179800004 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.160 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.010999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.142000005
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.272000015
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	243.257004
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-253.089996
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.713999987
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.870999992
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	49.862999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-366.458008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-14.6940002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-25.6930008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-7.66699982
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	2.61400008
MtrCtrl_Vecu_Volt_M_f32[0]	17.7010002
MtrCtrl_Vecu_Volt_M_f32[1]	20.0610008
MtrCurrDaxPrevIntg_Volt_M_f32	-1.39499998
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	30.3402004
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.15700006
MtrPosComputationDelay_Rad_M_f32[1]	4.67700005
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.231999993
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.156000003
PICurrCntl_InverterFailScfFac_Uls_M_f32	0.657000005
PICurrCntl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.499500006
PICurrCntl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024
PICurrCntl_MtrVecuFilt_M_str.PrevInput_Uls_f32	570.700012
PICurrCntl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-657.099976
PICurrCntl_MtrVecuFilt_M_str.TermN_Uls_f32	78.8641968
PICurrCntl_MtrVecuFilt_M_str.TermD_Uls_f32	0.388500005
PICurrCntl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	570.700012
PICurrCntl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-657.099976
PICurrCntl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	78.8641968
PICurrCntl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.388500005
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6145.56982
k_DualEcuSignalScfFacSlew_UlspS_f32	200
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4019.20996
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.193000004
k_MtrCtrlVirtualResQax_Ohm_f32	0.114
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1
k_MtrVoltDaxIntegHiLim_Volt_f32	3.67009997
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.57000017
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	15.1749001

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Name	Input Value		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	18.2779999		
k_VoltSatQaxPolyCoeff_Uls_f32	20.7369995		
k_deadtimeVScale_Uls_f32	0.996999979		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	771		
t_CommOffsetTblY_Cnt_u16[1]	1636		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	0		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1636	1636	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	65339	65339 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-19.8980999	-19.8980999 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	2.02442837	2.02442813 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	33456	33456 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-4.57000017	-4.57000017	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.130999997	0.130999997 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSciFac	1	LoaMtgnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.161 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-213.026993
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-66.7229996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0769999996
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0359999985
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.075000003
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.51999998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.203999996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-569.184021
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-867
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.115999997
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.115999997

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0970000029		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0270000007		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.1169999999		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.852999985		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	442.492004		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-332.345001		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-28.2420006		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	12.6160002		
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981		
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995		
MtrCurrDaxPrevIntg_Volt_M_f32	-27.6930008		
MtrCurrDaxRef_Amp_M_f32[0]	-133.947006		
MtrCurrDaxRef_Amp_M_f32[1]	75.7020035		
MtrCurrQaxCog_Amp_M_f32	5.72399998		
MtrCurrQaxPrevIntg_Volt_M_f32	26.4762993		
MtrCurrQaxRef_Amp_M_f32[0]	106.072998		
MtrCurrQaxRef_Amp_M_f32[1]	-112.455002		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	2.36999989		
MtrPosComputationDelay_Rad_M_f32[1]	2.67000008		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.911000013		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.157000005		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.513000011		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.1329		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.565999985		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	570.700012		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	43.3250008		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.744499981		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	0		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	43.3250008		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.744499981		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	6616.02002		
k_DualEcuSignalScfFacSlew_UlspS_f32	300		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5777.70996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.191		
k_MtrCtrlVirualResQax_Ohm_f32	0.0529999994		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	21.1630993		
k_MtrVoltDaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	26.3924999		
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-20.3560009		
k_VoltSatQaxPolyCoeff_Uls_f32	-1.46500003		
k_deadtimeVScale_Uls_f32	0.971000016		
t_CommOffsetTblX_Uls_u3p13[0]	5022		
t_CommOffsetTblX_Uls_u3p13[1]	7003		
t_CommOffsetTblY_Cnt_u16[0]	365		
t_CommOffsetTblY_Cnt_u16[1]	1530		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	5000		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	5000	5000	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	100.348999	100.348999 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	19.3640652	19.3640671 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	23.0456734	23.0456753 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	32009	32009 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓

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PICurrCntl_Per1

Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.194499999	0.194499999 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModlDx_Uls_u16p16	1	MtrCntl_Write_ModlDx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.162 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.74399996
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.96099997
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	756.674988
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	76.4720001
MtrCtrl_MtrlmpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.591000021
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.175999999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	730.219971
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-1004.94
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	20.066
MtrCurrDaxRef_Amp_M_f32[0]	209.052002
MtrCurrDaxRef_Amp_M_f32[1]	-124.994003
MtrCurrQaxCog_Amp_M_f32	59.3040009
MtrCurrQaxPrevIntg_Volt_M_f32	17.6383991
MtrCurrQaxRef_Amp_M_f32[0]	24.6130009
MtrCurrQaxRef_Amp_M_f32[1]	-20.9400005
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.68400002
MtrPosComputationDelay_Rad_M_f32[1]	5.81400013
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.702000022

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Name	Input Value		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.158000007		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.00400000019		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.756799996		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	44.6861992		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.246199995		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	0		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	0		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	44.6861992		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.246199995		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	5911.31982		
k_DualEcuSignalScfFacSlew_UlspS_f32	400		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	2332.93994		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.144999996		
k_MtrCtrlVirtualResQax_Ohm_f32	0.155000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	1.42719996		
k_MtrVoltDaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	4.96659994		
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-3.26600003		
k_VoltSatQaxPolyCoeff_Uls_f32	20.9540005		
k_deadtimeVScale_Uls_f32	0.963		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	163		
t_CommOffsetTblY_Cnt_u16[1]	1236		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	841		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	841	841	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-34.6910019	-34.6910019 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-0.189992487	-0.189992487 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	4.81125021	4.81125021 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_uOp16(val)	27583	27583 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.10800001	0.10800001 ± 0.0625	✓

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PICurrCntrl_Per1

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.163 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.721001
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0170000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.75899994
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.45799994
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-948.984009
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-975.934021
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.261000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.754000008
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-227.466003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-453.338013
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55099964
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	21.3880005
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	-27.3339996
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxCog_Amp_M_f32	-144.667007
MtrCurrQaxPrevIntg_Volt_M_f32	23.1366997
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.787003
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.94899988
MtrPosComputationDelay_Rad_M_f32[1]	0.0060000005
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.702000022
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.158999994
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.00400000019

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PICurrCntrl_Per1

Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.155699998		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	29.8064003		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.197799996		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	0		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	29.8064003		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.197799996		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	5911.31982		
k_DualEcuSignalScfFacSlew_UlspS_f32	500		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	2332.93994		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.144999996		
k_MtrCtrlVirualResQax_Ohm_f32	0.155000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	27.6096992		
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	20.0156002		
k_MtrVoltQaxIntegLoLim_Volt_f32	-11.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-3.26600003		
k_VoltSatQaxPolyCoeff_Uls_f32	-12.2449999		
k_deadtimeVScale_Uls_f32	0.963		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	163		
t_CommOffsetTblY_Cnt_u16[1]	1236		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4296		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	4296	4296	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-2.60241628	-2.60241628 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.05112982	-4.05112982 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	7965	7965 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.221499994	0.221499994 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.164 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-200.556
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-98.4449997
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.085000009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.028000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.36399996
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.949
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-232.371994
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-761.935974
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.085000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.085000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.65799999
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.30399999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-174.839996
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	903.403015
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.3880005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-3.59500003
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-28.4209995
MtrCtrl_Vecu_Volt_M_f32[0]	24.8479996
MtrCtrl_Vecu_Volt_M_f32[1]	27.2080002
MtrCurrDaxPrevIntg_Volt_M_f32	-9.66300011
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	-42.6814995
MtrCurrQaxPrevIntg_Volt_M_f32	2.99090004
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.33500004
MtrPosComputationDelay_Rad_M_f32[1]	-0.331
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.911000013
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.159999996
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.513000011
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.195500001
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-43.1699982
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	90.7209015
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.617500007
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	90.7209015
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.617500007
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	6616.02002
k_DualEcuSignalSciFacSlew_UlspS_f32	600
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	5777.70996
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.191
k_MtrCtrlVirtualResQax_Ohm_f32	0.0529999994
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1
k_MtrVoltDaxIntegHiLim_Volt_f32	14.4471998
k_MtrVoltDaxIntegLoLim_Volt_f32	-30.2000008
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	13.4596996
k_MtrVoltQaxIntegLoLim_Volt_f32	-30.2000008

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Name	Input Value		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-20.3560009		
k_VoltSatQaxPolyCoeff_Uls_f32	-19.9090004		
k_deadtimeVScale_Uls_f32	0.971000016		
t_CommOffsetTblX_Uls_u3p13[0]	5022		
t_CommOffsetTblX_Uls_u3p13[1]	7003		
t_CommOffsetTblY_Cnt_u16[0]	365		
t_CommOffsetTblY_Cnt_u16[1]	1530		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntri_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	674		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	674	674	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-91.2655029	-91.2655029 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	4.29176283	4.29176283 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	2.26975727	2.26975703 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	35665	35665 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0.0849999934	0.0849999934 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.165 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-200.556
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-98.4449997
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.344999999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.980000002
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-475.019012
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-121.873001
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0850000009

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Name	Input Value		
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.112999998		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0850000009		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.112999998		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.633000016		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.5		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-892.642029		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-451.738007		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-25.3770008		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.3880005		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-3.59500003		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-28.4209995		
MtrCtrl_Vecu_Volt_M_f32[0]	25.3600006		
MtrCtrl_Vecu_Volt_M_f32[1]	27.7199993		
MtrCurrDaxPrevIntg_Volt_M_f32	-9.66300011		
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007		
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001		
MtrCurrQaxCog_Amp_M_f32	-37.3235016		
MtrCurrQaxPrevIntg_Volt_M_f32	2.34949994		
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006		
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-0.532000005		
MtrPosComputationDelay_Rad_M_f32[1]	3.19000006		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.911000013		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.160999998		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.513000011		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.211199999		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-717.299988		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	6.4671998		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0860000029		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-717.299988		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	6.4671998		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0860000029		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	6616.02002		
k_DualEcuSignalScfFacSlew_UlspS_f32	700		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5777.70996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.191		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0529999994		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	21.2147999		
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	7.0927		
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-20.3560009		
k_VoltSatQaxPolyCoeff_Uls_f32	22.7819996		
k_deadtimeVScale_Uls_f32	0.971000016		
t_CommOffsetTblX_Uls_u3p13[0]	5022		
t_CommOffsetTblX_Uls_u3p13[1]	7003		
t_CommOffsetTblY_Cnt_u16[0]	365		
t_CommOffsetTblY_Cnt_u16[1]	1530		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4608		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	4608	4608	✓
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-96.6235046	-96.6235046 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	16.4143658	16.4143677 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	18.3558598	18.3558598 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	2061	2061 ± 1.52588E-05	✓

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PICurrCntl_Per1

Name	Actual Value	Expected Value	Result
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.248500004	0.248500004 ± 0.0625	✓

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Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModlDx_Uls_u16p16	1	MtrCntl_Write_ModlDx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.166 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00899999961
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0799999982
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.409000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.16600001
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	967.463013
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-285.221985
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.125
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.0939999968
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.305999994
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.232999995
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-121.924004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	483.27301
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6160002
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1870003
MtrCtrl_Vecu_Volt_M_f32[0]	17.7010002
MtrCtrl_Vecu_Volt_M_f32[1]	20.0610008
MtrCurrDaxPrevIntg_Volt_M_f32	-9.05200005
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.395996
MtrCurrQaxCog_Amp_M_f32	-31.9654999
MtrCurrQaxPrevIntg_Volt_M_f32	0.29429999
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.787003
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.94899988
MtrPosComputationDelay_Rad_M_f32[1]	0.00600000005
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.231999993

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PICurrCntrl_Per1

Name	Input Value		
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.162		
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.657000005		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.1822		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.833000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-717.299988		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	57.8652992		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.414700001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-717.299988		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	57.8652992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.414700001		
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	6145.56982		
k_DualEcuSignalSciFacSlew_UlspS_f32	800		
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	4019.20996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.193000004		
k_MtrCtrlVirtualResQax_Ohm_f32	0.114		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	20.6170006		
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	29.5634995		
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	18.2779999		
k_VoltSatQaxPolyCoeff_Uls_f32	19.2689991		
k_deadtimeVScale_Uls_f32	0.996999979		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	771		
t_CommOffsetTblY_Cnt_u16[1]	1636		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2125		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1636	1636	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	65339	65339 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	195.752502	195.752502 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-2.52427006	-2.52427006 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.29863739	-4.29863739 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	38369	38369 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-22.4099998	-22.4099998	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.061999999	0.061999999 ± 0.0625	✔

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Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSclFac	1	LoaMtgnSclFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.167 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.722
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.010999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.039999999
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.098999999
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.017999999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.7589999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.4589999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-948.984009
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-975.934998
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.041999999
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.028999999
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.041999999
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.028999999
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.261000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.754999995
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-227.466003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-453.338989
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55200005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	21.3889999
MtrCtrl_Vecu_Volt_M_f32[0]	21.3729992
MtrCtrl_Vecu_Volt_M_f32[1]	23.7329998
MtrCurrDaxPrevIntg_Volt_M_f32	-0.216499999
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.397003
MtrCurrQaxCog_Amp_M_f32	-26.6075001
MtrCurrQaxPrevIntg_Volt_M_f32	24.4969997
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.787994
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.94899988
MtrPosComputationDelay_Rad_M_f32[1]	0.0070000022
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.851999998
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.163000003
PICurrCntl_InverterFailScfFac_Uls_M_f32	0.513000011
PICurrCntl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.953199983
PICurrCntl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.778999984
PICurrCntl_MtrVecuFilt_M_str.PrevInput_Uls_f32	386.220001
PICurrCntl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	96.5500031
PICurrCntl_MtrVecuFilt_M_str.TermN_Uls_f32	69.4054031
PICurrCntl_MtrVecuFilt_M_str.TermD_Uls_f32	0.3134
PICurrCntl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	865.320007
PICurrCntl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	22.2399998
PICurrCntl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	76.1873016
PICurrCntl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.821500003
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6616.02002
k_DualEcuSignalScfFacSlew_UlspS_f32	900
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	3865.98999
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.140000001
k_MtrCtrlVirtualResQax_Ohm_f32	0.0769999996
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1
k_MtrVoltDaxIntegHilim_Volt_f32	20.3593998
k_MtrVoltDaxIntegLolim_Volt_f32	-8.68999958
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHilim_Volt_f32	11.2693005

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Name	Input Value		
k_MtrVoltQaxIntegLoLim_Volt_f32	-31		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	18.2779999		
k_VoltSatQaxPolyCoeff_Uls_f32	-12.2449999		
k_deadtimeVScale_Uls_f32	0.996999979		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	23		
t_CommOffsetTblY_Cnt_u16[1]	212		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.3040009		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	665		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	665	665	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	198.093491	198.093491 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	13.3372936	13.3372936 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-27.8811626	-27.8811665 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	62891	62891 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.2755	0.2755 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSciFac	1	LoaMtgnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16				

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Name	Input Value		
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.0850000009		
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.112999998		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0850000009		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.112999998		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.65799999		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.305000007		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-174.839996		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	903.403992		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-25.3770008		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.3880005		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-3.59500003		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-28.4209995		
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981		
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995		
MtrCurrDaxPrevIntg_Volt_M_f32	5.26809978		
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007		
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001		
MtrCurrQaxCog_Amp_M_f32	-21.2495003		
MtrCurrQaxPrevIntg_Volt_M_f32	15.5079002		
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006		
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	2.33500004		
MtrPosComputationDelay_Rad_M_f32[1]	-0.331999987		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.231999993		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.164000005		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.00400000019		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.486799985		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.76819998		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-784.130005		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	0		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	87.5784988		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.889199972		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	267.119995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	267.119995		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	99.3730011		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.472600013		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	5911.31982		
k_DualEcuSignalScfFacSlew_UlspS_f32	1000		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	2156.63989		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0209999997		
k_MtrCtrlVirtualResQax_Ohm_f32	0.172999993		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	0.465799987		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.57000017		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	13.9652004		
k_MtrVoltQaxIntegLoLim_Volt_f32	0		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-2.4230001		
k_VoltSatQaxPolyCoeff_Uls_f32	-19.9090004		
k_deadtimeVScale_Uls_f32	0.958999991		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	1237		
t_CommOffsetTblY_Cnt_u16[1]	383		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1724		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-118.848		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	383	383	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	62849	62849 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	96.9515076	96.9515076 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	2.88322973	2.88322926 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-3.83131981	-3.83131933 ± 4.88E-04	✓

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Name	Actual Value	Expected Value	Result
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	22576	22576 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	-4.57000017	-4.57000017	✓
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.0390000045	0.0390000045 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.169 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.723
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0410000011
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0189999994
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.75899994
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.46000004
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-948.984009
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-975.935974
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0299999993
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0299999993
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.261000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.755999982
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-227.466003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-453.339996
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55300045
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	21.3899994
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995
MtrCurrDaxPrevIntg_Volt_M_f32	21.7219009
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.397995
MtrCurrQaxCog_Amp_M_f32	-5.17549992
MtrCurrQaxPrevIntg_Volt_M_f32	7.74660015
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.789001
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.94899988
MtrPosComputationDelay_Rad_M_f32[1]	0.0080000038

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Name	Input Value		
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.723999977		
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.165000007		
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.0450000018		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.807699978		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.735800028		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-340.130005		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-717.299988		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	52.7086983		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.75029999		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	16.5851002		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.0452999994		
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	6110.83008		
k_DualEcuSignalSciFacSlew_UlspS_f32	1100		
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	7823.27002		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0909999982		
k_MtrCtrlVirtualResQax_Ohm_f32	0.155000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	11.4057999		
k_MtrVoltDaxIntegLoLim_Volt_f32	-11.6000004		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	28.1163998		
k_MtrVoltQaxIntegLoLim_Volt_f32	11.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-2.4230001		
k_VoltSatQaxPolyCoeff_Uls_f32	18.1280003		
k_deadtimeVScale_Uls_f32	0.958999991		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	771		
t_CommOffsetTblY_Cnt_u16[1]	1636		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1789		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1636	1636	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	62849	62849 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	168.964508	168.964508 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	2.6636548	2.6636548 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	6.66147232	6.66147232 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	4051	4051 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-11.6000004	-11.6000004	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.30250001	0.30250001 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnSciFac	1	LoaMtgtnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.170 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-200.556
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-98.4449997
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.085000009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.028000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.36399996
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.95099998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-232.371994
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-761.937988
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.085000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.085000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.65799999
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.305999994
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-174.839996
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	903.405029
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.3880005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-3.59500003
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-28.4209995
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	27.2064991
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	0.182500005
MtrCurrQaxPrevIntg_Volt_M_f32	14.6610003
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.33500004
MtrPosComputationDelay_Rad_M_f32[1]	-0.333000004
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.848999977
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.165999994
PICurrCntl_InverterFailScfFac_Uls_M_f32	0.398999989
PICurrCntl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.203600004
PICurrCntl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.725000024
PICurrCntl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-784.130005
PICurrCntl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	1118
PICurrCntl_MtrVecuFilt_M_str.TermN_Uls_f32	87.7649002
PICurrCntl_MtrVecuFilt_M_str.TermD_Uls_f32	0.640799999
PICurrCntl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-627.179993
PICurrCntl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-627.179993
PICurrCntl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	87.3075027
PICurrCntl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.966000021
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6145.56982
k_DualEcuSignalScfFacSlew_UlspS_f32	1200
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	6489.7002
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.193000004
k_MtrCtrlVirtualResQax_Ohm_f32	0.0179999992
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1
k_MtrVoltDaxIntegHiLim_Volt_f32	30.3612995
k_MtrVoltDaxIntegLoLim_Volt_f32	-30.2000008
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	29.5142002

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Name	Input Value		
k_MtrVoltQaxIntegLoLim_Volt_f32	-14.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	18.2779999		
k_VoltSatQaxPolyCoeff_Uls_f32	7.87699986		
k_deadtimeVScale_Uls_f32	0.996999979		
t_CommOffsetTblX_Uls_u3p13[0]	6528		
t_CommOffsetTblX_Uls_u3p13[1]	8192		
t_CommOffsetTblY_Cnt_u16[0]	76		
t_CommOffsetTblY_Cnt_u16[1]	211		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	65		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	65	65	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	75.5195007	75.5195007 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	18.5843525	18.5843525 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-24.6954308	-24.6954308 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	22566	22566 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.0159999877	0.0159999877 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnSciFac	1	LoaMtgnSciFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Name	Input Value		
MtrCtrl_MtrlImpedDax_Ohm_M_f32[0]	0.0850000009		
MtrCtrl_MtrlImpedDax_Ohm_M_f32[1]	0.112999998		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[0]	0.0850000009		
MtrCtrl_MtrlImpedQax_Ohm_M_f32[1]	0.112999998		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.633000016		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.70000005		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-892.642029		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-451.73999		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-25.3770008		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.3880005		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-3.59500003		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-28.4209995		
MtrCtrl_Vecu_Volt_M_f32[0]	18.5559998		
MtrCtrl_Vecu_Volt_M_f32[1]	20.9160004		
MtrCurrDaxPrevIntg_Volt_M_f32	-18.5370007		
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007		
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001		
MtrCurrQaxCog_Amp_M_f32	5.54050016		
MtrCurrQaxPrevIntg_Volt_M_f32	12.7981997		
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006		
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-0.532000005		
MtrPosComputationDelay_Rad_M_f32[1]	3.21000004		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.231999993		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.166999996		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.111000001		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.398900002		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.71420002		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	386.220001		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-657.130005		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	58.6543999		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.052099999		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	97.3968964		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.830900013		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	2663.65991		
k_DualEcuSignalScfFacSlew_UlspS_f32	1300		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	4019.20996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirtualResDax_Ohm_f32	0.112000003		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0219999999		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	22.8146992		
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	0		
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-20.3560009		
k_VoltSatQaxPolyCoeff_Uls_f32	6.82399988		
k_deadtimeVScale_Uls_f32	0.971000016		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	163		
t_CommOffsetTblY_Cnt_u16[1]	1236		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1357		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-126.640999		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1357	1357	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-139.487503	-139.487503 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-17.8397541	-17.8397541 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-2.52724576	-2.52724576 ± 4.88E-04	✓

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Name	Actual Value	Expected Value	Result
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	42135	42135 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.32950002	0.32950002 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.172 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.087006
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0109999999
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.100000001
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.409000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.16799998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	967.463013
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-285.223999
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.127000004
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0960000008
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.305999994
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.234999999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-121.924004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	483.274994
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.618
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1889992
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995
MtrCurrDaxPrevIntg_Volt_M_f32	-1.39499998
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.397995
MtrCurrQaxCog_Amp_M_f32	10.8985004
MtrCurrQaxPrevIntg_Volt_M_f32	15.8292999
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.789001
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.94899988
MtrPosComputationDelay_Rad_M_f32[1]	0.00800000038

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Name	Input Value		
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.911000013		
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.167999998		
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.816999972		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.489399999		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.703400016		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	40.2612		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.176699996		
PICurrCntrl_MtrVoltQaxFFfilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFfilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFfilt_M_str.TermN_Uls_f32	16.5851002		
PICurrCntrl_MtrVoltQaxFFfilt_M_str.TermD_Uls_f32	0.727199972		
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	5911.31982		
k_DualEcuSignalSciFacSlew_UlspS_f32	1400		
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	7823.27002		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.144999996		
k_MtrCtrlVirualResQax_Ohm_f32	0.114		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	28.3733006		
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	31		
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-3.26600003		
k_VoltSatQaxPolyCoeff_Uls_f32	4.35599995		
k_deadtimeVScale_Uls_f32	0.963		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	1081		
t_CommOffsetTblY_Cnt_u16[1]	1779		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	903		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1779	1779	✓
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63111	63111 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	152.890503	152.890503 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-2.43829679	-2.43829656 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.15197992	-4.15197945 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	38390	38390 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	-22.4099998	-22.4099998	✓
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0	0 ± 0.0625	✓

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.173 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.723999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0199999996
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.75899994
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.46099997
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-948.984009
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-975.937012
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0309999995
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0309999995
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.261000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.757000029
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-227.466003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-453.341003
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.5539999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	21.3910007
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008
MtrCurrDaxPrevIntg_Volt_M_f32	-27.6930008
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.399002
MtrCurrQaxCog_Amp_M_f32	16.2565002
MtrCurrQaxPrevIntg_Volt_M_f32	15.6167002
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.789993
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.94899988
MtrPosComputationDelay_Rad_M_f32[1]	0.00899999961
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.702000022
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.169
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.657000005
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.446700007

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Name	Input Value		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.692600012		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-10.21		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	386.220001		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	60.2319984		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.306199998		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	570.700012		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	78.8641968		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.584299982		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7083.27002		
k_DualEcuSignalScfFacSlew_UlspS_f32	1500		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	6489.7002		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.023		
k_MtrCtrlVirualResQax_Ohm_f32	0.0529999994		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	5.67889977		
k_MtrVoltDaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	14.5		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.68999958		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-3.26600003		
k_VoltSatQaxPolyCoeff_Uls_f32	-6.98999977		
k_deadtimeVScale_Uls_f32	0.963		
t_CommOffsetTblX_Uls_u3p13[0]	6528		
t_CommOffsetTblX_Uls_u3p13[1]	8192		
t_CommOffsetTblY_Cnt_u16[0]	76		
t_CommOffsetTblY_Cnt_u16[1]	211		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	65		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	65	65	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	147.533493	147.533493 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	7.62001944	7.62001944 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	19.0553932	19.0553932 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	4062	4062 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.35650003	0.35650003 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_ModIdx_Uls_u16p16	1	MtrCntrl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.174 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-200.556
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-98.4449997
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.36399996
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.95200002
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-232.371994
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-761.939026
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.65799999
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.307000011
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-174.839996
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	903.406006
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.3880005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-3.59500003
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-28.4209995
MtrCtrl_Vecu_Volt_M_f32[0]	24.8479996
MtrCtrl_Vecu_Volt_M_f32[1]	27.2080002
MtrCurrDaxPrevIntg_Volt_M_f32	20.066
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	21.6145
MtrCurrQaxPrevIntg_Volt_M_f32	18.8419991
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	2.33500004
MtrPosComputationDelay_Rad_M_f32[1]	-0.333999991
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.662
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.170000002
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.499000013
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.716799974
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.681800008
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	570.700012
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-784.130005
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	76.1873016
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.404900014
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	0
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	0
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	43.3250008
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.605599999
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	2663.65991
k_DualEcuSignalScfFacSlew_UlspS_f32	1600
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	2156.63989
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	1
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.112000003
k_MtrCtrlVirtualResQax_Ohm_f32	0.155000001
k_MtrCurrQaxRefModifDsb_Cnt_Igc	1
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	1
k_MtrVoltDaxIntegHiLim_Volt_f32	21.7716999
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.57000017
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	15.1749001
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.57000017
k_MtrVoltVecuFiltEnable_Cnt_Igc	1

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PICurrCntl_Per1

Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-20.3560009		
k_VoltSatQaxPolyCoeff_Uls_f32	0.398000002		
k_deadtimeVScale_Uls_f32	0.971000016		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	771		
t_CommOffsetTblY_Cnt_u16[1]	1636		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	0		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	136.341003		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	1636	1636	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	63635	63635 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	54.0875015	54.0875015 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	2.91930747	2.91930747 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	-3.87926102	-3.87926102 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	22555	22555 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	21.7716999	21.7716999	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0	0 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.175 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-200.556
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-98.4449997
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.344999999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.10099995
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-475.019012
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-121.875999
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0850000009

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.112999998		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.633000016		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.79999995		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-892.642029		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-451.740997		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-25.3770008		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.3880005		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-3.59500003		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-28.4209995		
MtrCtrl_Vecu_Volt_M_f32[0]	29.0240002		
MtrCtrl_Vecu_Volt_M_f32[1]	30.3600006		
MtrCurrDaxPrevIntg_Volt_M_f32	-27.3339996		
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007		
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001		
MtrCurrQaxCog_Amp_M_f32	26.9724998		
MtrCurrQaxPrevIntg_Volt_M_f32	21.7777996		
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006		
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-0.532000005		
MtrPosComputationDelay_Rad_M_f32[1]	3.22000003		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.851000011		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.171000004		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.757000029		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.476399988		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.671000004		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	947.73999		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	99.3730011		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.404500008		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-627.179993		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	44.6861992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.821300003		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	6145.56982		
k_DualEcuSignalScfFacSlew_UlspS_f32	1700		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	5517.5		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.193000004		
k_MtrCtrlVirualResQax_Ohm_f32	0.155000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	18.9853992		
k_MtrVoltDaxIntegLoLim_Volt_f32	-31		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	26.3924999		
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.6000004		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-20.3560009		
k_VoltSatQaxPolyCoeff_Uls_f32	20.7369995		
k_deadtimeVScale_Uls_f32	0.971000016		
t_CommOffsetTblX_Uls_u3p13[0]	5022		
t_CommOffsetTblX_Uls_u3p13[1]	7003		
t_CommOffsetTblY_Cnt_u16[0]	365		
t_CommOffsetTblY_Cnt_u16[1]	1530		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	50.0610008		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4000		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-9.31999969		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	4000	4000	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-160.91951	-160.91951 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	7.82000065	7.82000065 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	29.0674706	29.0674706 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	62728	62728 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.38350001	0.38350001 ± 0.0625	✔

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Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.176 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.087997
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0120000001
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.109999999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.409000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.16900003
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	967.463013
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-285.225006
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.128000006
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0970000029
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.305999994
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.236000001
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-121.924004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	483.276001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6190004
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1900005
MtrCtrl_Vecu_Volt_M_f32[0]	17.7010002
MtrCtrl_Vecu_Volt_M_f32[1]	20.0610008
MtrCurrDaxPrevIntg_Volt_M_f32	-9.66300011
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.399002
MtrCurrQaxCog_Amp_M_f32	32.3305016
MtrCurrQaxPrevIntg_Volt_M_f32	2.29920006
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.789993
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.94899988
MtrPosComputationDelay_Rad_M_f32[1]	0.00899999961
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.237000003
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.172000006
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.150000006

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.844699979		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.6602		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-194.190002		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	269.399994		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	64.5255966		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0997999981		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	29.8064003		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.925599992		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6616.02002		
k_DualEcuSignalScfFacSlew_UlspS_f32	1800		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4019.20996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.191		
k_MtrCtrlVirtualResQax_Ohm_f32	0.0529999994		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	15.4042997		
k_MtrVoltDaxIntegLoLim_Volt_f32	0		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	4.96659994		
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	18.2779999		
k_VoltSatQaxPolyCoeff_Uls_f32	-1.46500003		
k_deadtimeVScale_Uls_f32	0.996999979		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5579		
t_CommOffsetTblY_Cnt_u16[0]	163		
t_CommOffsetTblY_Cnt_u16[1]	1236		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	656		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	656	656	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	139.155487	139.155487 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-0.696358919	-0.6963588 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	17.6341534	17.6341515 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	34365	34365 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0	0 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_ModIdx_Uls_u16p16	1	MtrCntrl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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PICurrCntrl_Per1

Test Step 2.177 (Repeat Count = 1)



Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-200.556
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-98.4449997
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0280000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.344999999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.102
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-475.019012
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-121.876999
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0850000009
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.112999998
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.633000016
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.89999998
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-892.642029
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-451.742004
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.3880005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-3.59500003
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-28.4209995
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995
MtrCurrDaxPrevIntg_Volt_M_f32	-0.216499999
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.943001
MtrCurrQaxCog_Amp_M_f32	48.4044991
MtrCurrQaxPrevIntg_Volt_M_f32	14.2393999
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7020035
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.532000005
MtrPosComputationDelay_Rad_M_f32[1]	3.23000002
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.702000022
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.172999993
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.481000006
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.749800026
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.627799988
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-340.130005
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	386.220001
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	87.3075027
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.175400004
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	1118
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	57.8652992
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.1426
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	6616.02002
k_DualEcuSignalScfFacSlew_UlspS_f32	1900
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	947.890015
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	1
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.191
k_MtrCtrlVirtualResQax_Ohm_f32	0.114
k_MtrCurrQaxRefModifDsb_Cnt_Igc	1
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	1
k_MtrVoltDaxIntegHiLim_Volt_f32	27.0930996
k_MtrVoltDaxIntegLoLim_Volt_f32	-9.64999962
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	7.0927
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.64999962
k_MtrVoltVecuFiltEnable_Cnt_Igc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-3.26600003		
k_VoltSatQaxPolyCoeff_Uls_f32	-1.46500003		
k_deadtimeVScale_Uls_f32	0.987999976		
t_CommOffsetTblX_Uls_u3p13[0]	5022		
t_CommOffsetTblX_Uls_u3p13[1]	7003		
t_CommOffsetTblY_Cnt_u16[0]	365		
t_CommOffsetTblY_Cnt_u16[1]	1530		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr	0		
target_MtrCntnl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr	0		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val	1		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr	0		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4608		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	136.341003		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	4608	4608	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-182.351501	-182.351501 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	3.83600593	3.83600545 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	30.3868313	30.3868275 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	61297	61297 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.41049999	0.41049999 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.178 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.089005
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0130000003
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.1199999997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.409000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.16999996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	967.463013
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-285.226013
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.128999993

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0979999974		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.305999994		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.237000003		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-121.924004		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	483.277008		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6199999		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.191		
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002		
MtrCtrl_Vecu_Volt_M_f32[1]	21.3110008		
MtrCurrDaxPrevIntg_Volt_M_f32	-9.05200005		
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999		
MtrCurrDaxRef_Amp_M_f32[1]	-186.399994		
MtrCurrQaxCog_Amp_M_f32	53.7625008		
MtrCurrQaxPrevIntg_Volt_M_f32	11.8942003		
MtrCurrQaxRef_Amp_M_f32[0]	171.485992		
MtrCurrQaxRef_Amp_M_f32[1]	163.791		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-2.94899988		
MtrPosComputationDelay_Rad_M_f32[1]	0.00999999978		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.662		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.173999995		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.465999991		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.498699993		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.616999984		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	22.2399998		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	97.3968964		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.763000011		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	44.6861992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.514999986		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6616.02002		
k_DualEcuSignalScfFacSlew_UlspS_f32	2000		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	4854.70996		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.144999996		
k_MtrCtrlVirualResQax_Ohm_f32	0.114		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	21.7719002		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	29.5634995		
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	10.1960001		
k_VoltSatQaxPolyCoeff_Uls_f32	20.9540005		
k_deadtimeVScale_Uls_f32	0.958999991		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	771		
t_CommOffsetTblY_Cnt_u16[1]	1636		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-207.917999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	2125		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1636	1636	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	62849	62849 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	110.028503	110.028503 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-10.3498077	-10.3498068 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-17.6227894	-17.6227875 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	38411	38411 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	21.7719002	21.7719002	✔

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Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0	0 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModlDx_Uls_u16p16	1	MtrCntl_Write_ModlDx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.179 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.725998
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0439999998
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0219999999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.75899994
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.46300006
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-948.984009
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-975.939026
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0329999998
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0329999998
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.261000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.759000003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-227.466003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-453.342987
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55599976
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	21.3929996
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3120003
MtrCurrDaxPrevIntg_Volt_M_f32	-5.69950008
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.401001
MtrCurrQaxCog_Amp_M_f32	62.6925011
MtrCurrQaxPrevIntg_Volt_M_f32	17.4958
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.792007
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.94899988
MtrPosComputationDelay_Rad_M_f32[1]	0.0109999999
PICurrCntl_CurrSensFailScfFac_Uls_M_f32	0.962000012
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.174999997
PICurrCntl_InverterFailScfFac_Uls_M_f32	0.439666986

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.74940002		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.598999977		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	23.1455994		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	954.236023		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	98.3255997		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.532559991		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-424.399994		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	45.25		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	18.3894005		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.623560011		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7085.81982		
k_DualEcuSignalScfFacSlew_UlspS_f32	2100		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	2937.1001		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.160332993		
k_MtrCtrlVirualResQax_Ohm_f32	0.154667005		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	0		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.5999999		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	28.4384995		
k_MtrVoltQaxIntegLoLim_Volt_f32	-25.3633003		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	0.320666999		
k_VoltSatQaxPolyCoeff_Uls_f32	10.2349997		
k_deadtimeVScale_Uls_f32	0.968666971		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5587		
t_CommOffsetTblY_Cnt_u16[0]	163		
t_CommOffsetTblY_Cnt_u16[1]	1237		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-125.123001		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1505		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	83.7156982		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1505	1505	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	108.793488	108.793488 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-30.0215759	-30.0215721 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	0.653085113	0.653084993 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	18620	18620 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.4375	0.4375 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 2.180 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_lvtrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntrl_Read_lvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc_Val	target_MtrCntrl_Read_ModlDxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-200.556
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-98.4459991
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.085000009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.114
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0289999992
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.344999999
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.10300004
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-475.019012
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-121.877998
MtrCtrl_MtrlmpedDax_Ohm_M_f32[0]	0.085000009
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.114
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.085000009
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.114
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.633000016
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.10000002
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-892.642029
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-451.743011
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	21.3889999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-3.59500003
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-28.4220009
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981
MtrCtrl_Vecu_Volt_M_f32[1]	7.48199987
MtrCurrDaxPrevIntg_Volt_M_f32	-5.39400005
MtrCurrDaxRef_Amp_M_f32[0]	-146.723007
MtrCurrDaxRef_Amp_M_f32[1]	-121.944
MtrCurrQaxCog_Amp_M_f32	70.7294998
MtrCurrQaxPrevIntg_Volt_M_f32	3.1875
MtrCurrQaxRef_Amp_M_f32[0]	-133.947006
MtrCurrQaxRef_Amp_M_f32[1]	75.7030029
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.532000005
MtrPosComputationDelay_Rad_M_f32[1]	3.24000001
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.0769999996
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.175999999
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.416166991
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.968200028
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.582799971
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	22.5478001
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	256.125
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	45.6320992
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.235679999
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-1002.79999
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	110.253998
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	11.2356005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.51244998
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	7438.18018
k_DualEcuSignalScfFacSlew_UlspS_f32	2200
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	2475.6001
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0.160332993
k_MtrCtrlVirtualResQax_Ohm_f32	0.185167
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1
k_MtrVoltDaxIntegHilim_Volt_f32	31
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.69999981
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1
k_MtrVoltQaxIntegHilim_Volt_f32	30.2145004
k_MtrVoltQaxIntegLoLim_Volt_f32	-30.7682991

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Name	Input Value		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-3.72033		
k_VoltSatQaxPolyCoeff_Uls_f32	11.6547003		
k_deadtimeVScale_Uls_f32	0.968666971		
t_CommOffsetTblX_Uls_u3p13[0]	5022		
t_CommOffsetTblX_Uls_u3p13[1]	7003		
t_CommOffsetTblY_Cnt_u16[0]	365		
t_CommOffsetTblY_Cnt_u16[1]	1531		
target_MtrCntri_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	1		
target_MtrCntri_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntri_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntri_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	1		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	-129.938995		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	419		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	129.727005		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	1531	1531	✔
MtrCntri_Write_ModIdx_Uls_u16p16(val)	63482	63482 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	4.97350311	4.97350311 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	4.35798788	4.35798788 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	-5.79095459	-5.79095459 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	59833	59833 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	31	31	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0	0 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.181 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.089996
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0140000004
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.129999995
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.409000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.171
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	967.463013
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-285.22699
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.129999995
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0989999995		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.305999994		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.238000005		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-121.924004		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	483.278015		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.6210003		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1919994		
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002		
MtrCtrl_Vecu_Volt_M_f32[1]	21.3120003		
MtrCurrDaxPrevIntg_Volt_M_f32	-5.08850002		
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999		
MtrCurrDaxRef_Amp_M_f32[1]	-186.401001		
MtrCurrQaxCog_Amp_M_f32	78.7665024		
MtrCurrQaxPrevIntg_Volt_M_f32	12.9105997		
MtrCurrQaxRef_Amp_M_f32[0]	171.485992		
MtrCurrQaxRef_Amp_M_f32[1]	163.792007		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-2.94899988		
MtrPosComputationDelay_Rad_M_f32[1]	0.0109999999		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.0120000001		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.177000001		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.392666996		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.642499983		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.566600025		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	65.3214035		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	144.326004		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	44.2155991		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.13256		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1250.13		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	125.012001		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	10.2364998		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.142560005		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	7790.52979		
k_DualEcuSignalScfFacSlew_UlspS_f32	2300		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	2014.09998		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.160332993		
k_MtrCtrlVirualResQax_Ohm_f32	0.156669945		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	11.7658005		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.80000019		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	30.2355995		
k_MtrVoltQaxIntegLoLim_Volt_f32	-20.5599995		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-7.76133013		
k_VoltSatQaxPolyCoeff_Uls_f32	21.3213997		
k_deadtimeVScale_Uls_f32	0.968666971		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	771		
t_CommOffsetTblY_Cnt_u16[1]	1637		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-134.755005		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	0		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	175.738007		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	3		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	0	0	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	92.7194901	92.7194901 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	29.8242722	29.8242722 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	3.49775219	3.49775219 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	49943	49943 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.46450001	0.46450001 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.182 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	67.4899979
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	119.726997
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0109999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0450000018
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0989999995
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.023
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.75899994
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.46399999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-948.984009
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-975.940002
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0340000018
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0419999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0340000018
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.261000007
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.75999999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-227.466003
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-453.343994
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-16.302
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	8.55700016
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-25.3770008
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	21.3939991
MtrCtrl_Vecu_Volt_M_f32[0]	18.9510002
MtrCtrl_Vecu_Volt_M_f32[1]	21.3129997
MtrCurrDaxPrevIntg_Volt_M_f32	-4.78299999
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.401993
MtrCurrQaxCog_Amp_M_f32	86.8034973
MtrCurrQaxPrevIntg_Volt_M_f32	3.9934001
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.792999
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.94899988
MtrPosComputationDelay_Rad_M_f32[1]	0.0120000001
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.0599999987
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.178000003
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.369167

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.936200023		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.550400019		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	14.2356005		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	112.364998		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	25.2145004		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.432559997		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1125.02002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	113.021004		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	0.532540023		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.235599995		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	122.320999		
k_DualEcuSignalScfFacSlew_UlspS_f32	2400		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	1552.59998		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.160332993		
k_MtrCtrlVirtualResQax_Ohm_f32	0.123400003		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	9		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.9000001		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	10.2356005		
k_MtrVoltQaxIntegLoLim_Volt_f32	-10.2360001		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-11.8023005		
k_VoltSatQaxPolyCoeff_Uls_f32	24.5214005		
k_deadtimeVScale_Uls_f32	0.968666971		
t_CommOffsetTblX_Uls_u3p13[0]	4611		
t_CommOffsetTblX_Uls_u3p13[1]	5594		
t_CommOffsetTblY_Cnt_u16[0]	163		
t_CommOffsetTblY_Cnt_u16[1]	1238		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-139.570999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	201.748993		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1238	1238	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63482	63482 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	76.989502	76.989502 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	7.66697168	7.66697121 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	19.1687717	19.1687717 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	4094	4094 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0	0 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓	
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓	

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Test Step 2.183 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-110.000999
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	100.021004
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0225000009
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0425000004
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0421000011
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0282000005
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.214499995
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.321449995
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	102.325996
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	102.214996
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0320999995
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0313999988
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0124000004
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0214000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.321399987
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.321399987
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	102.021004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	102.320999
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-1.02139997
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	2.32139993
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-22.0214005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	11.0214005
MtrCtrl_Vecu_Volt_M_f32[0]	11.0214005
MtrCtrl_Vecu_Volt_M_f32[1]	20.1452007
MtrCurrDaxPrevIntg_Volt_M_f32	-3.21420002
MtrCurrDaxRef_Amp_M_f32[0]	10.2356005
MtrCurrDaxRef_Amp_M_f32[1]	25.3255997
MtrCurrQaxCog_Amp_M_f32	22.3255997
MtrCurrQaxPrevIntg_Volt_M_f32	2.36540008
MtrCurrQaxRef_Amp_M_f32[0]	12.3255997
MtrCurrQaxRef_Amp_M_f32[1]	25.2145004
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.0144999
MtrPosComputationDelay_Rad_M_f32[1]	5.02139997
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	9.99999975e-005
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.179000005
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0122999996
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.214499995
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.654100001
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	10.2356005
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	110.236
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	20.2145004
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.214499995
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	110.325996
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	112.320999
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	10.3213997
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0122999996
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	10.0214005
k_DualEcuSignalScfFacSlew_UlspS_f32	2500
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	100.213997
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.00120000006
k_MtrCtrlVirtualResQax_Ohm_f32	0.132499993
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	10.2356005
k_MtrVoltDaxIntegLoLim_Volt_f32	-2.36540008
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	11.3255997
k_MtrVoltQaxIntegLoLim_Volt_f32	-9.32559967
k_MtrVoltVecuFiltEnable_Cnt_lgc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-10.2356005		
k_VoltSatQaxPolyCoeff_Uls_f32	20.3213997		
k_deadtimeVScale_Uls_f32	0.987999976		
t_CommOffsetTblX_Uls_u3p13[0]	10		
t_CommOffsetTblX_Uls_u3p13[1]	1757		
t_CommOffsetTblY_Cnt_u16[0]	160		
t_CommOffsetTblY_Cnt_u16[1]	260		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	23.0214005		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	10		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	100.214996		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	10	10	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-10	-10 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	-1.06032157	-1.06032157 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	-22.2143288	-22.2143288 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	12253	12253 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-2.36540008	-2.36540008	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.49150002	0.49150002 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 2.184 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	110.200996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	99.0123978
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0120999999
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.112300001
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0214000009
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0125000002
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.02139997
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.23559999
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	10.2356005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	21.2145004
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0214000009
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0122999996

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.00124999997		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	9.99999975e-005		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.214499995		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.421499997		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	90.2141037		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	254.320999		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-2.02139997		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	3.21449995		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-10.0214005		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	5.02139997		
MtrCtrl_Vecu_Volt_M_f32[0]	6.32140017		
MtrCtrl_Vecu_Volt_M_f32[1]	21.2014008		
MtrCurrDaxPrevIntg_Volt_M_f32	-2.36540008		
MtrCurrDaxRef_Amp_M_f32[0]	32.1245003		
MtrCurrDaxRef_Amp_M_f32[1]	21.0214005		
MtrCurrQaxCog_Amp_M_f32	11.2545996		
MtrCurrQaxPrevIntg_Volt_M_f32	10.3249998		
MtrCurrQaxRef_Amp_M_f32[0]	10.2356005		
MtrCurrQaxRef_Amp_M_f32[1]	32.2145004		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-1.0244		
MtrPosComputationDelay_Rad_M_f32[1]	3.02139997		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	9.99999975e-005		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.200000003		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.231399998		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.145300001		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.74119997		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	11.3255997		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	111.325996		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	11.3255997		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.145600006		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	145.320999		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	123.250999		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	12.3255997		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.123600014		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	122.320999		
k_DualEcuSignalScfFacSlew_UlspS_f32	5000		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	200.214005		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.123599999		
k_MtrCtrlVirualResQax_Ohm_f32	0.112300001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	11.3255997		
k_MtrVoltDaxIntegLoLim_Volt_f32	-1.02559996		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	12.3255997		
k_MtrVoltQaxIntegLoLim_Volt_f32	-8.25689983		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-5.02139997		
k_VoltSatQaxPolyCoeff_Uls_f32	10.2356005		
k_deadtimeVScale_Uls_f32	0.971000016		
t_CommOffsetTblX_Uls_u3p13[0]	8192		
t_CommOffsetTblX_Uls_u3p13[1]	2633		
t_CommOffsetTblY_Cnt_u16[0]	110		
t_CommOffsetTblY_Cnt_u16[1]	365		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	22.3213997		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	12		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	90.2145004		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	110	110	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	18429	18429 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	20.9598999	20.9598999 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	3.21449995	3.21449995 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	5.02139997	5.02139997 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	37454	37454 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔

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PICurrCntl_Per1

Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0	0 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModlDx_Uls_u16p16	1	MtrCntl_Write_ModlDx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Case 3: Path Test

Specification	Description
Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:	<p>TS 3.1 7117 Cycles</p> <p>TS 3.2 7040 Cycles</p> <p>TS 3.3 7134 Cycles</p> <p>TS 3.4 7160 Cycles</p> <p>TS 3.5 7100 Cycles</p> <p>TS 3.6 7134 Cycles</p> <p>TS 3.7 7293 Cycles</p> <p>TS 3.8 7145 Cycles</p> <p>TS 3.9 7236 Cycles</p>
Description	<p>Vector Description:</p> <p>TS 3.1(k_MtrCurrQaxRefModifRplEn_Cnt_Igc == TRUE)=False&&(MtrCurrQaxRefModif_Amp_T_f32>=220)=True&&(MtrCurrQaxFinalRef_Amp_T_f32>=220)=True&&(MtrCurrDaxRefModif_Amp_k_MtrVoltQaxIntegLoLim_Volt_f32)=False&&(MtrCurrQaxIntg_Volt_T_f32<=k_MtrVoltQaxIntegHiLim_Volt_f32)=True&&(MtrCurrQaxIntg_Volt_T_f32>=k_MtrVoltQaxIntegLoLim_Volt_f32)=True&&(MtrCurrDaxIntg_Volt_T_f32>=k_MtrVoltDaxIntegHiLim_Volt_f32)=False&&(MtrCurrDaxIntg_Volt_T_f32>=k_MtrCtrlFeedbackControlDisable_Cnt_Igc == TRUE)=False&&(k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc == FALSE)=False&&(k_MtrVoltQaxFiltFFEnable_Cnt_Igc==TRUE)=False&&(VoltSatnRatio_Uls_T_f32 > D_ONE_ULS_F32)=True&&(ModlDxSrlComSvcDft_Cnt_T_Igc==TRUE)=False&&(k_MtrCurrQaxRefModifDsb_Cnt_Igc == FALSE)=True</p> <p>TS 3.2(k_MtrCurrQaxRefModifRplEn_Cnt_Igc == TRUE)=True&&(MtrCurrQaxRefModif_Amp_T_f32>=220)=False&&(MtrCurrQaxRefModif_Amp_T_f32<=-220)=True&&(MtrCurrQaxFinalRef_Amp == TRUE)=True&&(k_MtrVoltQaxFiltFFEnable_Cnt_Igc==TRUE)=True &&(IvtrLoaMtgnEn_Cnt_T_Igc==FALSE)=False&&(ModlDxSrlComSvcDft_Cnt_T_Igc==TRUE)=True&&(k_MtrCurrQaxRefModifDsb_Cnt_Igc == FALSE)=False</p> <p>TS 3.3&&(MtrCurrQaxRefModif_Amp_T_f32<=-220)=False&&(MtrCurrQaxFinalRef_Amp_T_f32<=-220)=False&&(MtrCurrQaxIntg_Volt_T_f32>=k_MtrVoltQaxIntegLoLim_Volt_f32)=True&&(MtrCurrQaxIntg_Volt_T_f32>=k_MtrVoltQaxIntegHiLim_Volt_f32)=True&&(MtrCurrDaxIntg_Volt_T_f32>=k_MtrCtrlFeedbackControlDisable_Cnt_Igc == FALSE)=True&&(VoltSatnRatio_Uls_T_f32 > D_ONE_ULS_F32)=False</p> <p>TS 3.4 (MtrCurrDaxRefModif_Amp_T_f32<=0)=False&&(MtrCurrDaxIntg_Volt_T_f32>=k_MtrVoltDaxIntegHiLim_Volt_f32)=True&&(MtrCurrDaxIntg_Volt_T_f32>=k_MtrCtrlFeedbackControlDisable_Cnt_Igc == FALSE)=False</p> <p>TS 3.5(k_MtrVoltQaxFiltFFEnable_Cnt_Igc==TRUE) =True&& (IvtrLoaMtgnEn_Cnt_T_Igc==FALSE) =True&&(MotCurrLoaMtgnEn_Cnt_T_Igc==FALSE) =True&&(k_MtrCtrlFeedbackControlDisable_Cnt_Igc == FALSE)=True</p> <p>TS 3.6(k_MtrVoltQaxFiltFFEnable_Cnt_Igc==TRUE) =True&& (IvtrLoaMtgnEn_Cnt_T_Igc==FALSE) =True&&(MotCurrLoaMtgnEn_Cnt_T_Igc==FALSE)=False</p> <p>TS 3.7(MtrCurrQaxIntg_Volt_T_f32<=k_MtrVoltQaxIntegHiLim_Volt_f32)=False&&(MtrCurrQaxIntg_Volt_T_f32<=k_MtrVoltQaxIntegLoLim_Volt_f32)=False</p> <p>TS 3.8(MtrCurrQaxIntg_Volt_T_f32<=k_MtrVoltQaxIntegHiLim_Volt_f32)=False&&(MtrCurrQaxIntg_Volt_T_f32<=k_MtrVoltQaxIntegLoLim_Volt_f32)=False</p> <p>TS 3.9 (MtrCurrDaxIntg_Volt_T_f32<=k_MtrVoltDaxIntegLoLim_Volt_f32)=False&&(MtrCurrDaxIntg_Volt_T_f32<=k_MtrVoltDaxIntegLoLim_Volt_f32)=False</p>

Test Step 3.1 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModlDxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val

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Name	Input Value
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-220
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-220
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.00499999989
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00499999989
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00499999989
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.00499999989
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-1024
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-1024
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.00499999989
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.00499999989
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.00499999989
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.00499999989
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-1024
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-1024
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-31
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-31
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-31
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-31
MtrCtrl_Vecu_Volt_M_f32[0]	5
MtrCtrl_Vecu_Volt_M_f32[1]	5
MtrCurrDaxPrevIntg_Volt_M_f32	-31
MtrCurrDaxRef_Amp_M_f32[0]	-220
MtrCurrDaxRef_Amp_M_f32[1]	-220
MtrCurrQaxCog_Amp_M_f32	-220
MtrCurrQaxPrevIntg_Volt_M_f32	-31
MtrCurrQaxRef_Amp_M_f32[0]	-220
MtrCurrQaxRef_Amp_M_f32[1]	-220
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.89063835
MtrPosComputationDelay_Rad_M_f32[1]	-2.98318529
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.100000001
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-1350
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-1350
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	-0.996816993
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	1.96346009e-005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-1350
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-1350
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	-0.996816993
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	1.96346009e-005
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	10
k_DualEcuSignalScfFacSlew_UlspS_f32	10
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	10
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0
k_MtrCtrlVirtualResDax_Ohm_f32	0
k_MtrCtrlVirtualResQax_Ohm_f32	0
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	0
k_MtrVoltDaxIntegLoLim_Volt_f32	-31
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	0
k_MtrVoltQaxIntegLoLim_Volt_f32	-31
k_MtrVoltVecuFiltEnable_Cnt_lgc	0
k_VoltSatDaxPolyCoeff_Uls_f32	-25
k_VoltSatQaxPolyCoeff_Uls_f32	-25
k_deadtimeVScale_Uls_f32	0.949999988
t_CommOffsetTblX_Uls_u3p13[0]	0
t_CommOffsetTblX_Uls_u3p13[1]	0
t_CommOffsetTblY_Cnt_u16[0]	0
t_CommOffsetTblY_Cnt_u16[1]	0
target_MtrCntrl_Read_DualEcuMotCtrlMtnEna_Cnt_lgc_ptr	0

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Name	Input Value		
target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	-220		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	0		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-220		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	0		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	0	0	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	62259	62259 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	0	0 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-3.3568294	-3.3568294 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-3.36068416	-3.36068416 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	10804	10804 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.10125	0.10125 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_Igc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgtnScfFac	1	LoaMtgtnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 3.2 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgtnEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgtnEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	220
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	220
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	2
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	2
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	1024
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	1024
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	2
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	2
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	1024
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	1024
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	31
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	31
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	31
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	31

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Name	Input Value		
MtrCtrl_Vecu_Volt_M_f32[0]	31		
MtrCtrl_Vecu_Volt_M_f32[1]	31		
MtrCurrDaxPrevIntg_Volt_M_f32	31		
MtrCurrDaxRef_Amp_M_f32[0]	220		
MtrCurrDaxRef_Amp_M_f32[1]	220		
MtrCurrQaxCog_Amp_M_f32	220		
MtrCurrQaxPrevIntg_Volt_M_f32	31		
MtrCurrQaxRef_Amp_M_f32[0]	220		
MtrCurrQaxRef_Amp_M_f32[1]	220		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	3.1400001		
MtrPosComputationDelay_Rad_M_f32[1]	3.1400001		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	1		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0199999996		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	1		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1350		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	1350		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	50928.6016		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.996827006		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1350		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	1350		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	50928.6016		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.996827006		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	8000		
k_DualEcuSignalScfFacSlew_UlspS_f32	8000		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	8000		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1		
k_MtrCtrlVirualResDax_Ohm_f32	0.200000003		
k_MtrCtrlVirualResQax_Ohm_f32	0.200000003		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	31		
k_MtrVoltDaxIntegLoLim_Volt_f32	0		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	31		
k_MtrVoltQaxIntegLoLim_Volt_f32	0		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	25		
k_VoltSatQaxPolyCoeff_Uls_f32	25		
k_deadtimeVScale_Uls_f32	1		
t_CommOffsetTblX_Uls_u3p13[0]	8192		
t_CommOffsetTblX_Uls_u3p13[1]	8192		
t_CommOffsetTblY_Cnt_u16[0]	2000		
t_CommOffsetTblY_Cnt_u16[1]	2000		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	220		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	5000		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	220		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	5000	5000	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	0	0 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	21.9203072	21.9203072 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	21.9203072	21.9203072 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	40943	40943 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0	0 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 3.3 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	205.820999
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-206.792007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.115000002
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0579999983
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0320000015
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0869999975
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.0649999976
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.227
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	537.232971
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	67.9840012
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0549999997
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.109999999
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0270000007
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0920000002
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.703000009
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.75199997
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	462.437012
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-685.195984
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	30.6930008
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	0.219999999
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	3.45499992
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-19.1830006
MtrCtrl_Vecu_Volt_M_f32[0]	22.3540001
MtrCtrl_Vecu_Volt_M_f32[1]	24.7140007
MtrCurrDaxPrevIntg_Volt_M_f32	-23.0620003
MtrCurrDaxRef_Amp_M_f32[0]	37.4550018
MtrCurrDaxRef_Amp_M_f32[1]	-2.84500003
MtrCurrQaxCog_Amp_M_f32	-55.5390015
MtrCurrQaxPrevIntg_Volt_M_f32	8.08899975
MtrCurrQaxRef_Amp_M_f32[0]	220
MtrCurrQaxRef_Amp_M_f32[1]	220
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-3.08800006
MtrPosComputationDelay_Rad_M_f32[1]	-3.26300001
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	1
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0299999993
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.638000011

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.880900025		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.978999972		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-657.099976		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	47050.1992		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0229000002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-657.099976		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	47050.1992		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0229000002		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	10		
k_DualEcuSignalScfFacSlew_UlspS_f32	11.1999998		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	7088.3501		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.194999993		
k_MtrCtrlVirualResQax_Ohm_f32	0.142000005		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	17.9123993		
k_MtrVoltDaxIntegLoLim_Volt_f32	-0.699999988		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0		
k_MtrVoltQaxIntegHiLim_Volt_f32	19.4449997		
k_MtrVoltQaxIntegLoLim_Volt_f32	-0.699999988		
k_MtrVoltVecuFiltEnable_Cnt_lgc	0		
k_VoltSatDaxPolyCoeff_Uls_f32	-19.4559994		
k_VoltSatQaxPolyCoeff_Uls_f32	-18.6200008		
k_deadtimeVScale_Uls_f32	0.95599997		
t_CommOffsetTblX_Uls_u3p13[0]	4170		
t_CommOffsetTblX_Uls_u3p13[1]	6749		
t_CommOffsetTblY_Cnt_u16[0]	177		
t_CommOffsetTblY_Cnt_u16[1]	340		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	83.9489975		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	335		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-145.169006		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	315	315	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	50872	50872 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	220	220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	0.219999999	0.219999999 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-19.1830006	-19.1830006 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	64150	64150 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-0.699999988	-0.699999988	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0313999988	0.0313999988 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 3.4 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_Igc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_Igc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	171.485992
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	163.787003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.114
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0390000008
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0179999992
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0460000001
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.167999998
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.62100005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	720.525024
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-487.845001
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0960000008
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.103
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.075000003
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0649999976
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.60500002
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.33500004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-418.748993
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	590.754028
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-11.3319998
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-5.40700006
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-22.3460007
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-17.8169994
MtrCtrl_Vecu_Volt_M_f32[0]	16.8080006
MtrCtrl_Vecu_Volt_M_f32[1]	19.1679993
MtrCurrDaxPrevIntg_Volt_M_f32	14.7060003
MtrCurrDaxRef_Amp_M_f32[0]	220
MtrCurrDaxRef_Amp_M_f32[1]	220
MtrCurrQaxCog_Amp_M_f32	177.763
MtrCurrQaxPrevIntg_Volt_M_f32	12.4979
MtrCurrQaxRef_Amp_M_f32[0]	160.044006
MtrCurrQaxRef_Amp_M_f32[1]	165.242004
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	0.277999997
MtrPosComputationDelay_Rad_M_f32[1]	-3.2579999
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.426999986
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0399999991
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.469999999
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.194700003
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.860000014
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-340.130005
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	31081.1992
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.797699988
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-340.130005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	31081.1992
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.797699988
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	5764.10986
k_DualEcuSignalScfFacSlew_UlspS_f32	1200
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	3350.96997
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_Igc	1
k_MtrCtrlFeedbackControlDisable_Cnt_Igc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.175999999
k_MtrCtrlVirtualResQax_Ohm_f32	0.061999999
k_MtrCurrQaxRefModifDsb_Cnt_Igc	1
k_MtrCurrQaxRefModifRplEn_Cnt_Igc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	12.2978001
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.5
k_MtrVoltQaxFiltFFEnable_Cnt_Igc	1
k_MtrVoltQaxIntegHiLim_Volt_f32	12.2735996
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.5
k_MtrVoltVecuFiltEnable_Cnt_Igc	1

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	21.7950001		
k_VoltSatQaxPolyCoeff_Uls_f32	21.1380005		
k_deadtimeVScale_Uls_f32	0.958999991		
t_CommOffsetTblX_Uls_u3p13[0]	4432		
t_CommOffsetTblX_Uls_u3p13[1]	5751		
t_CommOffsetTblY_Cnt_u16[0]	132		
t_CommOffsetTblY_Cnt_u16[1]	216		
target_MtrCntri_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr	1		
target_MtrCntri_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr	0		
target_MtrCntri_Read_ModldxSrlComSvcDft_Cnt_Igc_Val	1		
target_MtrCntri_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr	0		
target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	75.0830002		
target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3800		
target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	54.1119995		
target_MtrCntri_Read_SysState_Cnt_Enum_Val	4		
Name	Actual Value	Expected Value	Result
MtrCntri_Write_CommOffset_Cnt_u16(val)	3800	3800	✔
MtrCntri_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntri_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-17.7189941	-17.7189941 ± 7.81E-03	✔
MtrCntri_Write_MtrDaxVoltage_Volt_f32(val)	-2.16869807	-2.16869807 ± 4.88E-04	✔
MtrCntri_Write_MtrQaxVoltage_Volt_f32(val)	-4.2765379	-4.2765379 ± 4.88E-04	✔
MtrCntri_Write_PhaseAdvanceFinal_Rev_u0p16(val)	40563	40563 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntri_DualEcuFailScfFac_Uls_M_f32	0	0 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_Igc	1	✓	
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓	
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓	
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓	
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓	
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓	
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓	
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓	

Test Step 3.5 (Repeat Count = 1)		✓
Name	Input Value	
FastDataAccessBufIndex_Cnt_M_u16	0	
MtrCntri_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntri_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr	
MtrCntri_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntri_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr	
MtrCntri_Read_ModldxSriComSvcDft_Cnt_Igc(Val)	target_MtrCntri_Read_ModldxSriComSvcDft_Cnt_Igc_Val	
MtrCntri_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntri_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr	
MtrCntri_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntri_Read_MtrCurrDax_Amp_f32_Val	
MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntri_Read_MtrCurrOffComOffset_Cnt_u16_ptr	
MtrCntri_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntri_Read_MtrCurrQax_Amp_f32_Val	
MtrCntri_Read_SysState_Cnt_Enum(Val)	target_MtrCntri_Read_SysState_Cnt_Enum_Val	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-216.921997	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-184.923996	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0370000005	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0379999988	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0549999997	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0850000009	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.5	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.824000001	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-1024	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-1024	
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0700000003	
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0130000003	

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Name	Input Value		
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0970000029		
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0160000008		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.286000013		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	1.41499996		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-730.362		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-412.898987		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	14.4589996		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-5.13000011		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	22.5750008		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	22.8969994		
MtrCtrl_Vecu_Volt_M_f32[0]	18.7189999		
MtrCtrl_Vecu_Volt_M_f32[1]	21.0790005		
MtrCurrDaxPrevIntg_Volt_M_f32	15.9169998		
MtrCurrDaxRef_Amp_M_f32[0]	-69.0940018		
MtrCurrDaxRef_Amp_M_f32[1]	161.973007		
MtrCurrQaxCog_Amp_M_f32	-152.050995		
MtrCurrQaxPrevIntg_Volt_M_f32	20.0867996		
MtrCurrQaxRef_Amp_M_f32[0]	-200.556		
MtrCurrQaxRef_Amp_M_f32[1]	-98.4449997		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	-0.430000007		
MtrPosComputationDelay_Rad_M_f32[1]	-2.92700005		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.418000013		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0500000007		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.300000012		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.902100027		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.675000012		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	8419.69043		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.634800017		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	8419.69043		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.634800017		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	6857.12012		
k_DualEcuSignalScfFacSlew_UlspS_f32	13.6000004		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	2799.87988		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.0289999992		
k_MtrCtrlVirualResQax_Ohm_f32	0.188999996		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	18.2152004		
k_MtrVoltDaxIntegLoLim_Volt_f32	3.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	18.2434006		
k_MtrVoltQaxIntegLoLim_Volt_f32	3.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	12.026		
k_VoltSatQaxPolyCoeff_Uls_f32	-23.2660007		
k_deadtimeVScale_Uls_f32	0.999000013		
t_CommOffsetTblX_Uls_u3p13[0]	4342		
t_CommOffsetTblX_Uls_u3p13[1]	7724		
t_CommOffsetTblY_Cnt_u16[0]	1124		
t_CommOffsetTblY_Cnt_u16[1]	1178		
target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3317		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	3.89299989		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	3317	3317	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-48.5050049	-48.5050049 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	0.0226566643	0.0226566698 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.99494839	-4.99494886 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	28236	28236 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✓

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Name	Actual Value	Expected Value	Result
PICurrCntl_DualEcuFailScfFac_Uls_M_f32	0.0516999997	0.0516999997 ± 0.0625	✓

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc	1	✓
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc	1	✓
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc	1	✓
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
CalLowPassFiltBilinearOut	1	CalLowPassFiltBilinearOut	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntl_Write_ModIdx_Uls_u16p16	1	MtrCntl_Write_ModIdx_Uls_u16p16	1	✓
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓

Test Step 3.6 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_Igc_ptr
MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_IvtrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc(Val)	target_MtrCntl_Read_ModIdxSrlComSvcDft_Cnt_Igc_Val
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_Igc_ptr
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-82.2979965
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	46.8180008
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.114
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.00600000005
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0710000023
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.057
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.15900004
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.762000024
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	1024
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	1024
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0970000029
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0270000007
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.120999999
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0909999982
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.87699997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.648999989
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-603.161987
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-712.994019
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-7.3130002
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	3.05299997
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-11.3319998
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-5.40700006
MtrCtrl_Vecu_Volt_M_f32[0]	16.4099998
MtrCtrl_Vecu_Volt_M_f32[1]	18.7700005
MtrCurrDaxPrevIntg_Volt_M_f32	-24.1620007
MtrCurrDaxRef_Amp_M_f32[0]	-132.813004
MtrCurrDaxRef_Amp_M_f32[1]	-9.14299965
MtrCurrQaxCog_Amp_M_f32	-51.1100006
MtrCurrQaxPrevIntg_Volt_M_f32	13.3757
MtrCurrQaxRef_Amp_M_f32[0]	67.4899979
MtrCurrQaxRef_Amp_M_f32[1]	119.721001
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-3.12700009
MtrPosComputationDelay_Rad_M_f32[1]	-3.13499999

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Name	Input Value		
PICurrCntrl_CurrSensFailSciFac_Uls_M_f32	0.423999995		
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.0599999987		
PICurrCntrl_InverterFailSciFac_Uls_M_f32	0.395000011		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.712199986		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.651000023		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	12079.9004		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.298200011		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevInput_Uls_f32	-38.7999992		
PICurrCntrl_MtrVoltQaxFFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	12079.9004		
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.298200011		
k_CLOAFdbackSignalSciFacSlew_UlspS_f32	3678.44995		
k_DualEcuSignalSciFacSlew_UlspS_f32	14.8000002		
k_ILOAFdbackSignalSciFacSlew_UlspS_f32	7603.6001		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.0439999998		
k_MtrCtrlVirtualResQax_Ohm_f32	0.166999996		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	30.1203003		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.5		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	8.95559978		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	24.5209999		
k_VoltSatQaxPolyCoeff_Uls_f32	-20.1860008		
k_deadtimeVScale_Uls_f32	0.99000001		
t_CommOffsetTblX_Uls_u3p13[0]	1516		
t_CommOffsetTblX_Uls_u3p13[1]	5882		
t_CommOffsetTblY_Cnt_u16[0]	1813		
t_CommOffsetTblY_Cnt_u16[1]	183		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	59.7319984		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	3803		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	45.3779984		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	3803	3803	✔
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	118.599998	118.599998 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	-2.68405437	-2.68405461 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-4.15912819	-4.15912867 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	6130	6130 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailSciFac_Uls_M_f32	0.0581499971	0.0581499971 ± 0.0625	✔

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T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 3.7 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	1
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.087006
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0799999982
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0109999999
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.00999999978
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.100000001
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	0.409000009
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.16799998
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	967.463013
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-285.223999
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.112999998
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.127000004
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0529999994
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0960000008
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.305999994
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.234999999
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-121.924004
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	483.274994
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-0.736000001
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	-13.618
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	18.6380005
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-23.1889992
MtrCtrl_Vecu_Volt_M_f32[0]	5.12099981
MtrCtrl_Vecu_Volt_M_f32[1]	7.48099995
MtrCurrDaxPrevIntg_Volt_M_f32	-1.39499998
MtrCurrDaxRef_Amp_M_f32[0]	31.5869999
MtrCurrDaxRef_Amp_M_f32[1]	-186.397995
MtrCurrQaxCog_Amp_M_f32	10.8985004
MtrCurrQaxPrevIntg_Volt_M_f32	15.8292999
MtrCurrQaxRef_Amp_M_f32[0]	171.485992
MtrCurrQaxRef_Amp_M_f32[1]	163.789001
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-2.94899988
MtrPosComputationDelay_Rad_M_f32[1]	0.00800000038
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.911000013
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0700000003
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.816999972

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.489399999		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.703400016		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-627.179993		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-194.190002		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	40.2612		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.176699996		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	16.5851002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.727199972		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	5911.31982		
k_DualEcuSignalScfFacSlew_UlspS_f32	6000		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	7823.27002		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirtualResDax_Ohm_f32	0.144999996		
k_MtrCtrlVirtualResQax_Ohm_f32	0.114		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	1		
k_MtrVoltDaxIntegHiLim_Volt_f32	28.3733006		
k_MtrVoltDaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	31		
k_MtrVoltQaxIntegLoLim_Volt_f32	-22.4099998		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-3.26600003		
k_VoltSatQaxPolyCoeff_Uls_f32	4.35599995		
k_deadtimeVScale_Uls_f32	0.963		
t_CommOffsetTblX_Uls_u3p13[0]	459		
t_CommOffsetTblX_Uls_u3p13[1]	5775		
t_CommOffsetTblY_Cnt_u16[0]	1081		
t_CommOffsetTblY_Cnt_u16[1]	1779		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	136.341003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	903		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1779	1779	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	63111	63111 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	152.890503	152.890503 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	2.36908245	2.36908221 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	4.19185829	4.19185781 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	5449	5449 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	-22.4099998	-22.4099998	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.820000052	0.820000052 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

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Test Step 3.8 (Repeat Count = 1)

Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-212.632996
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	-205.085007
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0430000015
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.114
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0610000007
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0579999983
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.43400002
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.70599997
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	362.112
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	65.1259995
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.064000003
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0209999997
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.104000002
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.063000001
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	0.356999993
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.65200001
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	-894.130005
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	-888.995972
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-29.9890003
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	29.243
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	-29.7110004
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	3.61899996
MtrCtrl_Vecu_Volt_M_f32[0]	14.2779999
MtrCtrl_Vecu_Volt_M_f32[1]	16.6380005
MtrCurrDaxPrevIntg_Volt_M_f32	19.7509995
MtrCurrDaxRef_Amp_M_f32[0]	67.4899979
MtrCurrDaxRef_Amp_M_f32[1]	119.721001
MtrCurrQaxCog_Amp_M_f32	-181.929001
MtrCurrQaxPrevIntg_Volt_M_f32	7.82140017
MtrCurrQaxRef_Amp_M_f32[0]	-220
MtrCurrQaxRef_Amp_M_f32[1]	-220
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-0.541999996
MtrPosComputationDelay_Rad_M_f32[1]	3.08400011
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.416999996
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0799999982
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.787
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.190799996
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.708000004
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	267.119995
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-657.130005
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	48410.1016
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0835999995
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	267.119995
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-657.130005
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	48410.1016
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0835999995
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	10.1009998
k_DualEcuSignalScfFacSlew_UlspS_f32	17.2000008
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	4233.2002
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	1
k_MtrCtrlVirtualResDax_Ohm_f32	0.0879999995
k_MtrCtrlVirtualResQax_Ohm_f32	0.00999999978
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0
k_MtrVoltDaxIntegHiLim_Volt_f32	12.9371996
k_MtrVoltDaxIntegLoLim_Volt_f32	-0.5
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	0
k_MtrVoltQaxIntegHiLim_Volt_f32	25.1975002
k_MtrVoltQaxIntegLoLim_Volt_f32	-0.5
k_MtrVoltVecuFiltEnable_Cnt_lgc	0

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Name	Input Value		
k_VoltSatDaxPolyCoeff_Uls_f32	-1.59399998		
k_VoltSatQaxPolyCoeff_Uls_f32	8.35700035		
k_deadtimeVScale_Uls_f32	0.950999975		
t_CommOffsetTblX_Uls_u3p13[0]	4914		
t_CommOffsetTblX_Uls_u3p13[1]	7782		
t_CommOffsetTblY_Cnt_u16[0]	1099		
t_CommOffsetTblY_Cnt_u16[1]	1672		
target_MtrCntnl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntnl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	0		
target_MtrCntnl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntnl_Read_MtrCurrDax_Amp_f32_Val	-72.4260025		
target_MtrCntnl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4932		
target_MtrCntnl_Read_MtrCurrQax_Amp_f32_Val	77.189003		
target_MtrCntnl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntnl_Write_CommOffset_Cnt_u16(val)	1672	1672	✔
MtrCntnl_Write_Modldx_Uls_u16p16(val)	62324	62324 ± 1	✔
MtrCntnl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-38.0709991	-38.0709991 ± 7.81E-03	✔
MtrCntnl_Write_MtrDaxVoltage_Volt_f32(val)	6.6950984	6.69509745 ± 4.88E-04	✔
MtrCntnl_Write_MtrQaxVoltage_Volt_f32(val)	11.8130436	11.8130436 ± 4.88E-04	✔
MtrCntnl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	65261	65261 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	12.9371996	12.9371996	✔
PICurrCntnl_DualEcuFailScfFac_Uls_M_f32	0.0821499974	0.0821499974 ± 0.0625	✔

T					✓
Actual Function	Count	Expected Function	Count	Result	
MtrCntl_Read_MtrCurrQax_Amp_f32	1	MtrCntl_Read_MtrCurrQax_Amp_f32	1	✓	
MtrCntl_Read_MtrCurrDax_Amp_f32	1	MtrCntl_Read_MtrCurrDax_Amp_f32	1	✓	
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓	
MtrCntl_Read_SysState_Cnt_Enum	1	MtrCntl_Read_SysState_Cnt_Enum	1	✓	
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	MtrCntl_Read_lvtrLoaMtgnEn_Cnt_lgc	1	✓	
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓	
CalLowPassFiltVecuOut	1	CalLowPassFiltVecuOut	1	✓	
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓	
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓	
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓	
MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓	
MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntl_Write_MtrDaxVoltage_Volt_f32	1	✓	
MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntl_Write_MtrQaxVoltage_Volt_f32	1	✓	
MtrCntl_Write_Modldx_Uls_u16p16	1	MtrCntl_Write_Modldx_Uls_u16p16	1	✓	
MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓	
MtrCntl_Write_CommOffset_Cnt_u16	1	MtrCntl_Write_CommOffset_Cnt_u16	1	✓	

Test Step 3.9 (Repeat Count = 1)		✓
Name	Input Value	
FastDataAccessBufIndex_Cnt_M_u16	1	
MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	
MtrCntl_Read_lvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_lvtrLoaMtgnEn_Cnt_lgc_ptr	
MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	
MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	
MtrCntl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrDax_Amp_f32_Val	
MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	
MtrCntl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntl_Read_MtrCurrQax_Amp_f32_Val	
MtrCntl_Read_SysState_Cnt_Enum(Val)	target_MtrCntl_Read_SysState_Cnt_Enum_Val	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	-133.947006	
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	75.7020035	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.0320000015	
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.0869999975	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0579999983	
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0500000007	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.34800005	
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	1.11099994	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-942.771973	
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	-380.85199	
MtrCtrl_MtrlmpedDax_Ohm_M_f32[0]	0.0939999968	
MtrCtrl_MtrlmpedDax_Ohm_M_f32[1]	0.0879999995	
MtrCtrl_MtrlmpedQax_Ohm_M_f32[0]	0.0960000008	
MtrCtrl_MtrlmpedQax_Ohm_M_f32[1]	0.103	

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Name	Input Value		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.35000002		
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.749000013		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	1024		
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	1024		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-29.3530006		
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	27.3040009		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	26.4720001		
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	6.0999999		
MtrCtrl_Vecu_Volt_M_f32[0]	5.56799984		
MtrCtrl_Vecu_Volt_M_f32[1]	7.92799997		
MtrCurrDaxPrevIntg_Volt_M_f32	15.0869999		
MtrCurrDaxRef_Amp_M_f32[0]	-166.035004		
MtrCurrDaxRef_Amp_M_f32[1]	183.065002		
MtrCurrQaxCog_Amp_M_f32	114.531998		
MtrCurrQaxPrevIntg_Volt_M_f32	5.42920017		
MtrCurrQaxRef_Amp_M_f32[0]	191.369003		
MtrCurrQaxRef_Amp_M_f32[1]	107.137001		
MtrCurrQaxRpl_Amp_M_f32	0		
MtrPosComputationDelay_Rad_M_f32[0]	2.61800003		
MtrPosComputationDelay_Rad_M_f32[1]	-1.04299998		
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.600000024		
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0900000036		
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.899999976		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.179199994		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.257999986		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	404.899994		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	46120.5		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.578299999		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	1118		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	404.899994		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	46120.5		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.578299999		
k_CLOAFdbckSignalScfFacSlew_UlspS_f32	2048.80005		
k_DualEcuSignalScfFacSlew_UlspS_f32	18.3999996		
k_ILOAFdbckSignalScfFacSlew_UlspS_f32	3548.88989		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	0		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.0790000036		
k_MtrCtrlVirualResQax_Ohm_f32	0.177000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	0		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	2.39529991		
k_MtrVoltDaxIntegLoLim_Volt_f32	-13.1999998		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	13.2297001		
k_MtrVoltQaxIntegLoLim_Volt_f32	-4.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	21.0030003		
k_VoltSatQaxPolyCoeff_Uls_f32	-9.26399994		
k_deadtimeVScale_Uls_f32	0.950999975		
t_CommOffsetTblX_Uls_u3p13[0]	1810		
t_CommOffsetTblX_Uls_u3p13[1]	2335		
t_CommOffsetTblY_Cnt_u16[0]	157		
t_CommOffsetTblY_Cnt_u16[1]	712		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_ModIdxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	107.702003		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	4540		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-34.6189995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	2		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	4540	4540	✓
MtrCntrl_Write_ModIdx_Uls_u16p16(val)	0	0 ± 1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-7.39499664	-7.39499664 ± 7.81E-03	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	3.10204124	3.10204101 ± 4.88E-04	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-29.3173428	-29.3173428 ± 4.88E-04	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	20790	20790 ± 1.52588E-05	✓
MtrCurrDaxPrevIntg_Volt_M_f32	0.910027504	0.910027981	✓
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.0877000019	0.0877000019 ± 0.0625	✓

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Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓

Test Step 3.10 (Repeat Count = 1)	
Name	Input Value
FastDataAccessBufIndex_Cnt_M_u16	0
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc(ptr)	target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc(Val)	target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc(ptr)	target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr
MtrCntrl_Read_MtrCurrDax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16(ptr)	target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr
MtrCntrl_Read_MtrCurrQax_Amp_f32(Val)	target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val
MtrCntrl_Read_SysState_Cnt_Enum(Val)	target_MtrCntrl_Read_SysState_Cnt_Enum_Val
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[0]	171.485992
MtrCtrl_MtrCurrDaxMaxVal_Amp_M_f32[1]	163.787003
MtrCtrl_MtrDampTermDax_Ohm_M_f32[0]	0.125650004
MtrCtrl_MtrDampTermDax_Ohm_M_f32[1]	0.125650004
MtrCtrl_MtrDampTermQax_Ohm_M_f32[0]	0.0370000005
MtrCtrl_MtrDampTermQax_Ohm_M_f32[1]	0.0379999988
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[0]	1.80200005
MtrCtrl_MtrDaxIntegralGain_Ohm_M_f32[1]	0.740999997
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[0]	-489.436005
MtrCtrl_MtrDaxPropotionalGain_Ohm_M_f32[1]	938.341003
MtrCtrl_MtrImpedDax_Ohm_M_f32[0]	0.0199999996
MtrCtrl_MtrImpedDax_Ohm_M_f32[1]	0.0879999995
MtrCtrl_MtrImpedQax_Ohm_M_f32[0]	0.0120000001
MtrCtrl_MtrImpedQax_Ohm_M_f32[1]	0.0560000017
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[0]	1.10899997
MtrCtrl_MtrQaxIntegralGain_Ohm_M_f32[1]	0.479999989
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[0]	916.997009
MtrCtrl_MtrQaxPropotionalGain_Ohm_M_f32[1]	1002.97998
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[0]	-26.5079994
MtrCtrl_MtrVoltDaxFF_Volt_M_f32[1]	4.36100006
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[0]	15.1960001
MtrCtrl_MtrVoltQaxFF_Volt_M_f32[1]	-2.83699989
MtrCtrl_Vecu_Volt_M_f32[0]	5.33099985
MtrCtrl_Vecu_Volt_M_f32[1]	7.69099998
MtrCurrDaxPrevIntg_Volt_M_f32	6.17600012
MtrCurrDaxRef_Amp_M_f32[0]	-146.173996
MtrCurrDaxRef_Amp_M_f32[1]	-213.335007
MtrCurrQaxCog_Amp_M_f32	152.016006
MtrCurrQaxPrevIntg_Volt_M_f32	1.08770001
MtrCurrQaxRef_Amp_M_f32[0]	-216.921997
MtrCurrQaxRef_Amp_M_f32[1]	-184.923996
MtrCurrQaxRpl_Amp_M_f32	0
MtrPosComputationDelay_Rad_M_f32[0]	-3.13800001
MtrPosComputationDelay_Rad_M_f32[1]	2.11599994
PICurrCntrl_CurrSensFailScfFac_Uls_M_f32	0.432999998
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.5
PICurrCntrl_InverterFailScfFac_Uls_M_f32	0.0109999999

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Name	Input Value		
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	0.335599989		
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	0.851999998		
PICurrCntrl_MtrVecuFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVecuFilt_M_str.PrevOutput_Uls_f32	-10.21		
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	12079.9004		
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.620700002		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevInput_Uls_f32	-43.1699982		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.PrevOutput_Uls_f32	-10.21		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	12079.9004		
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.620700002		
k_CLOAFdbackSignalScfFacSlew_UlspS_f32	2475.81006		
k_DualEcuSignalScfFacSlew_UlspS_f32	19.6000004		
k_ILOAFdbackSignalScfFacSlew_UlspS_f32	2645.06006		
k_MtrCtrlCurrLoopSecOrTranFcEnable_Cnt_lgc	1		
k_MtrCtrlFeedbackControlDisable_Cnt_lgc	0		
k_MtrCtrlVirualResDax_Ohm_f32	0.179000005		
k_MtrCtrlVirualResQax_Ohm_f32	0.0120000001		
k_MtrCurrQaxRefModifDsb_Cnt_lgc	1		
k_MtrCurrQaxRefModifRplEn_Cnt_lgc	0		
k_MtrVoltDaxIntegHiLim_Volt_f32	7.70650005		
k_MtrVoltDaxIntegLoLim_Volt_f32	-4.0999999		
k_MtrVoltQaxFiltFFEnable_Cnt_lgc	1		
k_MtrVoltQaxIntegHiLim_Volt_f32	0.614899993		
k_MtrVoltQaxIntegLoLim_Volt_f32	-6.5		
k_MtrVoltVecuFiltEnable_Cnt_lgc	1		
k_VoltSatDaxPolyCoeff_Uls_f32	-1.26999998		
k_VoltSatQaxPolyCoeff_Uls_f32	16.9449997		
k_deadtimeVScale_Uls_f32	0.962000012		
t_CommOffsetTblX_Uls_u3p13[0]	4809		
t_CommOffsetTblX_Uls_u3p13[1]	5553		
t_CommOffsetTblY_Cnt_u16[0]	663		
t_CommOffsetTblY_Cnt_u16[1]	905		
target_MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc_ptr	1		
target_MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc_Val	1		
target_MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc_ptr	0		
target_MtrCntrl_Read_MtrCurrDax_Amp_f32_Val	114.946999		
target_MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16_ptr	1956		
target_MtrCntrl_Read_MtrCurrQax_Amp_f32_Val	-198.285995		
target_MtrCntrl_Read_SysState_Cnt_Enum_Val	1		
Name	Actual Value	Expected Value	Result
MtrCntrl_Write_CommOffset_Cnt_u16(val)	1956	1956	✔
MtrCntrl_Write_Modldx_Uls_u16p16(val)	0	0 ± 1	✔
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32(val)	-220	-220 ± 7.81E-03	✔
MtrCntrl_Write_MtrDaxVoltage_Volt_f32(val)	3.72783184	3.7278316 ± 4.88E-04	✔
MtrCntrl_Write_MtrQaxVoltage_Volt_f32(val)	-3.03963304	-3.03963351 ± 4.88E-04	✔
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16(val)	56324	56324 ± 1.52588E-05	✔
MtrCurrDaxPrevIntg_Volt_M_f32	0	0	✔
PICurrCntrl_DualEcuFailScfFac_Uls_M_f32	0.497550011	0.497550011 ± 0.0625	✔

T				
Actual Function	Count	Expected Function	Count	Result
MtrCntrl_Read_MtrCurrQax_Amp_f32	1	MtrCntrl_Read_MtrCurrQax_Amp_f32	1	✓
MtrCntrl_Read_MtrCurrDax_Amp_f32	1	MtrCntrl_Read_MtrCurrDax_Amp_f32	1	✓
MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	MtrCntrl_Read_ModldxSrlComSvcDft_Cnt_lgc	1	✓
MtrCntrl_Read_SysState_Cnt_Enum	1	MtrCntrl_Read_SysState_Cnt_Enum	1	✓
MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_MotCurrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	MtrCntrl_Read_IvtrLoaMtgnEn_Cnt_lgc	1	✓
MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	MtrCntrl_Read_DualEcuMotCtrlMtgnEna_Cnt_lgc	1	✓
CallLowPassFiltVecuOut	1	CallLowPassFiltVecuOut	1	✓
CallLowPassFiltBilinearOut	1	CallLowPassFiltBilinearOut	1	✓
IntegralStateVarNonOperState	1	IntegralStateVarNonOperState	1	✓
LoaMtgnScfFac	1	LoaMtgnScfFac	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	MtrCntrl_Read_MtrCurrOffComOffset_Cnt_u16	1	✓
MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	MtrCntrl_Write_MtrCurrQaxFinalRef_Amp_f32	1	✓
MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrDaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	MtrCntrl_Write_MtrQaxVoltage_Volt_f32	1	✓
MtrCntrl_Write_Modldx_Uls_u16p16	1	MtrCntrl_Write_Modldx_Uls_u16p16	1	✓
MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	MtrCntrl_Write_PhaseAdvanceFinal_Rev_u0p16	1	✓
MtrCntrl_Write_CommOffset_Cnt_u16	1	MtrCntrl_Write_CommOffset_Cnt_u16	1	✓



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CalLowPassFiltBilinearTerm



Project

Module

Test Object

Instrumentation: Test Object Only

Statement (C0) Coverage

Branch (C1) Coverage

Statistics

Total Testcases

Successful

Failed

Not Executed

Module Properties

Project Root Directory

Configuration File

Target Environment

Kind of Test

Linker Options

Source File(s)

File

Compiler Options

File

Compiler Options

Comments/Description/Specification

Name

Text

Attributes

Name

Value

Compiler Install Path

\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5

Float Precision

9

TEST DETAILS REPORT

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CalLowPassFiltBilinearTerm



Attributes	
Name	Value
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

TEST DETAILS REPORT

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CalLowPassFiltBilinearTerm



Test Case 1: BoundaryTest

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

TS 1.1 14.00 Cycles
TS 1.2 14.00 Cycles
TS 1.3 14.00 Cycles
TS 1.4 14.00 Cycles
TS 1.5 14.00 Cycles
TS 1.6 14.00 Cycles
TS 1.7 14.00 Cycles
TS 1.8 14.00 Cycles

Description

Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 1.3 (Repeat Count = 1)

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 1.4 (Repeat Count = 1)

Name	Input Value		

TEST DETAILS REPORT

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CalLowPassFiltBilinearTerm



Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓

Test Step 1.5 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓

Test Step 1.6 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓

Test Step 1.7 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓

Test Step 1.8 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓

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CalLowPassFiltBilinearTerm

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓

TEST DETAILS REPORT

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CalLowPassFiltBilinearOut



Project	MtrCtrl_CM_SF99B
Module	PICurrCntrl
Test Object	CalLowPassFiltBilinearOut

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1
Successful	1
Failed	0
Not Executed	0

Module Properties

Project Root Directory	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B
Configuration File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\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)\MtrCtrl_CM\src\Ap_PICurrCntrl.c
Compiler Options	-D_DATA_ACCESS=-D_sqrtf=sqrtf -Dconst=-I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract\Ap_PICurrCntrl -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(PROJECTROOT)\NxrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS=-D_sqrtf=sqrtf -Dconst=-I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract\Ap_PICurrCntrl -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(PROJECTROOT)\NxrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'PICurrCntrl'	*****Unit Test Information***** Name of Tester:Komal Sharma Code File(s) Under Test:Ap_PICurrCntrl.c Code File(s) Version:16 Module Design Document:PICurrentCntrl.doc Module Design Document Version:12 Data Dictionary Version:15 Unit Test Plan Version:4 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS570_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2834 Total RAM Used (Bytes):164 Total CALS Used (Bytes):2865 Special Test Requirements:NA Test Date:9/15/2016 Comments:"Note 1: INLINE functions defined in globalmacro.h are not unit tested. Note 2: ""CBD_Sandbox_dbg.map""map file is embedded for reference. Note 3 : Out of range value is given in function ""LoaMtgtnScfFac"" for variables ""k_CLOAFdbackSignalScfFacSlew_UlspS_f32,k_ILOAFdbackSignalScfFacSlew_UlspS_f32,k_DualEcuSignalScfFacSlew_UlspS_f32, PICurrCntrl_DualEcuFailScfFac_Uls_M_f32, PICurrCntrl_CurrSensFailScfFac_Uls_M_f32 and PICurrCntrl_InverterFailScfFac_Uls_M_f32"" to achieve 100% path coverage in Path sheet. Note 4: In function PICurrCntrl_Per1 PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32 and PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32 variables are going out of range. Note 5: In function PICurrCntrl_Per1, the range of MtrPosComputationDelay_Rad_M_f32[2] is considered as -3.14 to 3.14" *****

Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9

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CalLowPassFiltBilinearOut



Attributes	
Name	Value
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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CalLowPassFiltBilinearOut



Test Case 1: BoundaryTest

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

TS 1.1 9.00 Cycles
TS 1.2 9.00 Cycles
TS 1.3 9.00 Cycles
TS 1.4 9.00 Cycles
TS 1.5 9.00 Cycles
TS 1.6 9.00 Cycles
TS 1.7 9.00 Cycles
TS 1.8 9.00 Cycles
TS 1.9 9.00 Cycles
TS 1.10 9.00 Cycles
TS 1.11 9.00 Cycles
TS 1.12 9.00 Cycles
TS 1.13 9.00 Cycles
TS 1.14 9.00 Cycles
TS 1.15 9.00 Cycles
TS 1.16 9.00 Cycles
TS 1.17 9.00 Cycles
TS 1.18 9.00 Cycles
TS 1.19 9.00 Cycles
TS 1.20 9.00 Cycles
TS 1.21 9.00 Cycles
TS 1.22 9.00 Cycles
TS 1.23 9.00 Cycles
TS 1.24 9.00 Cycles
TS 1.25 9.00 Cycles
TS 1.26 9.00 Cycles
TS 1.27 9.00 Cycles

Description Vector Description:

TS1.1All Min
TS1.2All Max
TS1.3Input_Uls_T_f32=Min
TS1.4Input_Uls_T_f32=Max
TS1.5Input_Uls_T_f32=Zero
TS1.6Input_Uls_T_f32=Pos
TS1.7Input_Uls_T_f32=Neg
TS1.8LowPassFiltBilinear_T_Str.PrevInput_Uls_f32=Min
TS1.9LowPassFiltBilinear_T_Str.PrevInput_Uls_f32=Max
TS1.10LowPassFiltBilinear_T_Str.PrevInput_Uls_f32=Zero
TS1.11LowPassFiltBilinear_T_Str.PrevInput_Uls_f32=Pos
TS1.12LowPassFiltBilinear_T_Str.PrevInput_Uls_f32=Neg
TS1.13LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32=Min
TS1.14LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32=Max
TS1.15LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32=Zero
TS1.16LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32=Pos
TS1.17LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32=Neg
TS1.18LowPassFiltBilinear_T_Str.TermN_Uls_f32=Min
TS1.19LowPassFiltBilinear_T_Str.TermN_Uls_f32=Max
TS1.20LowPassFiltBilinear_T_Str.TermN_Uls_f32=Zero
TS1.21LowPassFiltBilinear_T_Str.TermN_Uls_f32=Pos
TS1.22LowPassFiltBilinear_T_Str.TermN_Uls_f32=Neg
TS1.23LowPassFiltBilinear_T_Str.TermD_Uls_f32=Min
TS1.24LowPassFiltBilinear_T_Str.TermD_Uls_f32=Max
TS1.25LowPassFiltBilinear_T_Str.TermD_Uls_f32=Zero
TS1.26LowPassFiltBilinear_T_Str.TermD_Uls_f32=Pos
TS1.27LowPassFiltBilinear_T_Str.TermD_Uls_f32=Neg

Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
Input_Uls_T_f32	-2.14748365e+009		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	-2.14748365e+009		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	-2.14748365e+009		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	-2.14748365e+009		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	-2.14748365e+009		
Name	Actual Value	Expected Value	Result
CalLowPassFiltBilinearOut()	-9.90352031e+027	-9.90352031e+027	✔
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	-2.14748365e+009	-2.14748365e+009	✔
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	-9.90352031e+027	-9.90352031e+027	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value
Input_Uls_T_f32	2.14748365e+009
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	2.14748365e+009

TEST DETAILS REPORT

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CalLowPassFiltBilinearOut

Name	Input Value		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	2.14748365e+009		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	2.14748365e+009		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	2.14748365e+009		
Name	Actual Value	Expected Value	Result
CalLowPassFiltBilinearOut()	9.90352031e+027	9.90352031e+027	✔
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	2.14748365e+009	2.14748365e+009	✔
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	9.90352031e+027	9.90352031e+027	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.3 (Repeat Count = 1)

Name	Input Value		
Input_Uls_T_f32	-2.14748365e+009		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	153.836899		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	8286.36523		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	1000.22357		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	5.5236001		
Name	Actual Value	Expected Value	Result
CalLowPassFiltBilinearOut()	-1.18160589e+010	-1.18160589e+010	✔
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	-2.14748365e+009	-2.14748365e+009	✔
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	-1.18160589e+010	-1.18160589e+010	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.4 (Repeat Count = 1)

Name	Input Value		
Input_Uls_T_f32	2.14748365e+009		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	42.2523003		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	123.3657		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	1050.87891		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	99.9235992		
Name	Actual Value	Expected Value	Result
CalLowPassFiltBilinearOut()	2.14597239e+011	2.14597255e+011	✓
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	2.14748365e+009	2.14748365e+009	✓
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	2.14597239e+011	2.14597255e+011	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.5 (Repeat Count = 1)

Name	Input Value		
Input_Uls_T_f32	0		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	-895.362122		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	-89.7412033		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	85.9630966		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	-5.36210012		
Name	Actual Value	Expected Value	Result
CalLowPassFiltBilinearOut()	46166.5781	46166.5742	✓
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	0	0	✓
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	46166.5781	46166.5742	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

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CallLowPassFiltBilinearOut



Test Step 1.6 (Repeat Count = 1) ✓

Name	Input Value		
Input_Uls_T_f32	2546.15991		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	258.325989		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	423.574005		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	1101.47412		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	1283.396		
Name	Actual Value	Expected Value	Result
CalLowPassFiltBilinearOut()	602375168	602375104	✔
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	2546.15991	2546.15991	✔
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	602375168	602375104	✔

T ✓				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.7 (Repeat Count = 1) ✓

Name	Input Value		
Input_Uls_T_f32	-2546.15991		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	58.3260002		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	423.574005		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	1101.47412		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	1283.396		
Name	Actual Value	Expected Value	Result
CalLowPassFiltBilinearOut()	595582976	595582976	✔
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	-2546.15991	-2546.15991	✔
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	595582976	595582976	✔

T ✓				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.8 (Repeat Count = 1) ✓

Name	Input Value		
Input_Uls_T_f32	252.320999		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	-2.14748365e+009		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	724.321228		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	1152.31238		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	6845.52148		
Name	Actual Value	Expected Value	Result
CalLowPassFiltBilinearOut()	-1.46949297e+013	-1.46949297e+013	✔
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	252.320999	252.320999	✔
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	-1.46949297e+013	-1.46949297e+013	✔

T ✓				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

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CalLowPassFiltBilinearOut



Test Step 1.9 (Repeat Count = 1)				
Name	Input Value			
Input_Uls_T_f32	356.623108			
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str			
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	2.14748365e+009			
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	1024.547			
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	5000.3208			
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	12407.3613			
Name	Actual Value	Expected Value	Result	
CalLowPassFiltBilinearOut()	2.67081723e+013	2.67081744e+013	✓	
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	356.623108	356.623108	✓	
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	2.67081723e+013	2.67081744e+013	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.10 (Repeat Count = 1)				
Name	Input Value			
Input_Uls_T_f32	52.3652			
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str			
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	0			
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	-86.3150024			
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	546.398682			
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	-785.632019			
Name	Actual Value	Expected Value	Result	
CalLowPassFiltBilinearOut()	37011156	37011152	✓	
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	52.3652	52.3652	✓	
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	37011156	37011152	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.11 (Repeat Count = 1)				
Name	Input Value			
Input_Uls_T_f32	11423.2314			
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str			
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	3582.41992			
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	1325.12305			
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	1253.22302			
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	17969.7402			
Name	Actual Value	Expected Value	Result	
CalLowPassFiltBilinearOut()	3.01115412e+010	3.01115412e+010	✓	
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	11423.2314	11423.2314	✓	
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	3.01115412e+010	3.01115412e+010	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.12 (Repeat Count = 1)				
Name	Input Value			
Input_Uls_T_f32	11423.2314			
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str			
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	-3582.41992			
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	1325.12305			
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	1253.22302			
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	17969.7402			
Name	Actual Value	Expected Value	Result	
CalLowPassFiltBilinearOut()	2.99827896e+010	2.99827896e+010	✓	
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	11423.2314	11423.2314	✓	

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CalLowPassFiltBilinearOut

Name	Actual Value	Expected Value	Result
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	2.99827896e+010	2.99827896e+010	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.13 (Repeat Count = 1)

Name	Input Value		
Input_Uls_T_f32	286.321014		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	12.5235996		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	-2.14748365e+009		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	1303.82361		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	23531.3203		
Name	Actual Value	Expected Value	Result
CalLowPassFiltBilinearOut()	-6.58862801e+016	-6.58862844e+016	✓
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	286.321014	286.321014	✓
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	-6.58862801e+016	-6.58862844e+016	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.14 (Repeat Count = 1)

Name	Input Value		
Input_Uls_T_f32	1123.36523		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	102.823601		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	2.14748365e+009		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	1354.42297		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	29093.4473		
Name	Actual Value	Expected Value	Result
CallLowPassFiltBilinearOut()	8.46212324e+016	8.4621241e+016	✓
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	1123.36523	1123.36523	✓
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	8.46212324e+016	8.4621241e+016	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.15 (Repeat Count = 1)

Name	Input Value		
Input_Uls_T_f32	563.231018		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	-5657.51416		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	0		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	-73.3619995		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	-89.6539993		
Name	Actual Value	Expected Value	Result
CallLowPassFiltBilinearOut()	456722.875	456722.875	✔
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	563.231018	563.231018	✔
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	456722.875	456722.875	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

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CalLowPassFiltBilinearOut



Test Step 1.16 (Repeat Count = 1)

Name	Input Value		
Input_Uls_T_f32	968.314514		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	-93.1122971		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	525.830017		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	1405.12415		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	34655.3242		
Name	Actual Value	Expected Value	Result
CalLowPassFiltBilinearOut()	2.56356393e+010	2.56356413e+010	✔
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	968.314514	968.314514	✔
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	2.56356393e+010	2.56356413e+010	✔

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

Test Step 1.17 (Repeat Count = 1)

Name	Input Value		
Input_Uls_T_f32	968.314514		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	193.112305		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	-1525.82996		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	1405.12415		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	34655.3242		
Name	Actual Value	Expected Value	Result
CalLowPassFiltBilinearOut()	-7.42600868e+010	-7.4260095e+010	✔
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	968.314514	968.314514	✔
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	-7.42600868e+010	-7.4260095e+010	✔

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

Test Step 1.18 (Repeat Count = 1)

Name	Input Value		
Input_Uls_T_f32	12.3512001		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	283.423615		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	2.4230001		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	-2.14748365e+009		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	40217.2891		
Name	Actual Value	Expected Value	Result
CalLowPassFiltBilinearOut()	-2.09264732e+014	-2.09264732e+014	✔
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	12.3512001	12.3512001	✔
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	-2.09264732e+014	-2.09264732e+014	✔

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

Test Step 1.19 (Repeat Count = 1)

Name	Input Value		
Input_Uls_T_f32	-88.9124527		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	373.723114		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	56.7743988		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	2.14748365e+009		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	45779.3203		
Name	Actual Value	Expected Value	Result
CalLowPassFiltBilinearOut()	5.58151079e+015	5.58151079e+015	✓
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	-88.9124527	-88.9124527	✓

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Name	Actual Value	Expected Value	Result
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	5.58151079e+015	5.58151079e+015	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.20 (Repeat Count = 1)

Name	Input Value		
Input_Uls_T_f32	-12.3620005		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	-78.9599991		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	56.1230011		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	0		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	-741.236511		
Name	Actual Value	Expected Value	Result
CalLowPassFiltBilinearOut()	67691.2031	67691.2031	✓
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	-12.3620005	-12.3620005	✓
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	67691.2031	67691.2031	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.21 (Repeat Count = 1)

Name	Input Value		
Input_Uls_T_f32	753.745605		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	464.321014		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	111.321404		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	990.090027		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	51341.1641		
Name	Actual Value	Expected Value	Result
CallLowPassFiltBilinearOut()	5.72126822e+009	5.72126771e+009	✓
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	753.745605	753.745605	✓
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	5.72126822e+009	5.72126771e+009	✓

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.22 (Repeat Count = 1)

Name	Input Value		
Input_Uls_T_f32	753.745605		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	464.321014		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	111.321404		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	-89.6500015		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	51341.1641		
Name	Actual Value	Expected Value	Result
CallLowPassFiltBilinearOut()	-449846016	-449845984	✔
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	753.745605	753.745605	✔
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	-449846016	-449845984	✔

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

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CalLowPassFiltBilinearOut



Test Step 1.23 (Repeat Count = 1)				
Name	Input Value			
Input_Uls_T_f32	186.523605			
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str			
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	554.330017			
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	165.357407			
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	86.6320038			
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	-2.14748365e+009			
Name	Actual Value	Expected Value	Result	
CalLowPassFiltBilinearOut()	-3.23541963e+013	-3.23541942e+013	✓	
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	186.523605	186.523605	✓	
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	-3.23541963e+013	-3.23541942e+013	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.24 (Repeat Count = 1)				
Name	Input Value			
Input_Uls_T_f32	32.5564003			
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str			
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	644.63208			
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	219.654694			
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	3.32200003			
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	2.14748365e+009			
Name	Actual Value	Expected Value	Result	
CalLowPassFiltBilinearOut()	3.02125469e+012	3.02125495e+012	✓	
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	32.5564003	32.5564003	✓	
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	3.02125469e+012	3.02125495e+012	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.25 (Repeat Count = 1)				
Name	Input Value			
Input_Uls_T_f32	-89.6320038			
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str			
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	-78.9599991			
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	-89.471199			
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	-78.9599991			
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	0			
Name	Actual Value	Expected Value	Result	
CalLowPassFiltBilinearOut()	0	0	✓	
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	-89.6320038	-89.6320038	✓	
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	0	0	✓	

T				
Actual Function	Count	Expected Function	Count	Result
none	0	*** No Call Expected ***	0	✓

Test Step 1.26 (Repeat Count = 1)				
Name	Input Value			
Input_Uls_T_f32	236.350006			
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str			
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	99999.3203			
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	1000.32098			
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	78.4514008			
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	10250.0703			
Name	Actual Value	Expected Value	Result	
CalLowPassFiltBilinearOut()	1.83181312e+009	1.83181312e+009	✓	
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	236.350006	236.350006	✓	

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Name	Actual Value	Expected Value	Result
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	1.83181312e+009	1.83181312e+009	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0		✓

Test Step 1.27 (Repeat Count = 1)

Name	Input Value		
Input_Uls_T_f32	-78.9599991		
LowPassFiltBilinear_T_Str	target_LowPassFiltBilinear_T_Str		
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	125.629997		
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	86.7409973		
target_LowPassFiltBilinear_T_Str.TermN_Uls_f32	78.4514008		
target_LowPassFiltBilinear_T_Str.TermD_Uls_f32	-20.0699997		
Name	Actual Value	Expected Value	Result
CalLowPassFiltBilinearOut()	-137512.063	-137512.078	✓
target_LowPassFiltBilinear_T_Str.PrevInput_Uls_f32	-78.9599991	-78.9599991	✓
target_LowPassFiltBilinear_T_Str.PrevOutput_Uls_f32	-137512.063	-137512.078	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
none	0	*** No Call Expected ***	0		✓

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PICurrCntrl_Init



Project	MtrCtrl_CM_SF99B
Module	PICurrCntrl
Test Object	PICurrCntrl_Init

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

Module Properties

Project Root Directory	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B
Configuration File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\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)\MtrCtrl_CM\src\Ap_PICurrCntrl.c
Compiler Options	-D_DATA_ACCESS=-D_sqrtf=sqrtf -Dconst=-I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract\Ap_PICurrCntrl -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(PROJECTROOT)\NxrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS=-D_sqrtf=sqrtf -Dconst=-I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract\Ap_PICurrCntrl -I\$(PROJECTROOT)\MtrCtrl_CM\utp\contract -I\$(PROJECTROOT)\MtrCtrl_CM\include -I\$(PROJECTROOT)\NxrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(Compiler Install Path)\include

Comments/Description/Specification

Name	Text
Module 'PICurrCntrl'	*****Unit Test Information***** Name of Tester:Komal Sharma Code File(s) Under Test:Ap_PICurrCntrl.c Code File(s) Version:16 Module Design Document:PICurrentCntrl.doc Module Design Document Version:12 Data Dictionary Version:15 Unit Test Plan Version:4 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS570_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2834 Total RAM Used (Bytes):164 Total CALS Used (Bytes):2865 Special Test Requirements:NA Test Date:9/15/2016 Comments:"Note 1: INLINE functions defined in globalmacro.h are not unit tested. Note 2: ""CBD_Sandbox_dbg.map""map file is embedded for reference. Note 3 : Out of range value is given in function ""LoaMtgnScfFac"" for variables ""k_CLOAFdbackSignalScfFacSlew_UlspS_f32,k_ILOAFdbackSignalScfFacSlew_UlspS_f32,k_DualEcuSignalScfFacSlew_UlspS_f32, PICurrCntrl_DualEcuFailScfFac_Uls_M_f32, PICurrCntrl_CurrSensFailScfFac_Uls_M_f32 and PICurrCntrl_InverterFailScfFac_Uls_M_f32"" to achieve 100% path coverage in Path sheet. Note 4: In function PICurrCntrl_Per1 PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32 and PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32 variables are going out of range. Note 5: In function PICurrCntrl_Per1, the range of MtrPosComputationDelay_Rad_M_f32[2] is considered as -3.14 to 3.14" *****

Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9

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PICurrCntrl_Init



Attributes	
Name	Value
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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PICurrCntrl_Init



Test Case 1: BoundaryTest

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

TS 1.1 51.00 Cycles
TS 1.2 51.00 Cycles
TS 1.3 51.00 Cycles
TS 1.4 51.00 Cycles
TS 1.5 51.00 Cycles
TS 1.6 51.00 Cycles
TS 1.7 51.00 Cycles
TS 1.8 51.00 Cycles
TS 1.9 51.00 Cycles
TS 1.10 51.00 Cycles
TS 1.11 51.00 Cycles
TS 1.12 51.00 Cycles
TS 1.13 51.00 Cycles

Description Vector Description:

TS1.1All Min
TS1.2All Max
TS1.3k_MtrVoltVecuFiltKn_Hz_f32==>Min
TS1.4k_MtrVoltVecuFiltKn_Hz_f32==>Max
TS1.5k_MtrVoltVecuFiltKn_Hz_f32==>Pos
TS1.6k_MtrVoltVecuFiltKn_Hz_f32==>Def
TS1.7k_PiSamplingTs_Sec_f32==>Min
TS1.8k_PiSamplingTs_Sec_f32==>Max
TS1.9k_PiSamplingTs_Sec_f32==>Pos/Def
TS1.10k_MtrVoltQaxFiltFFKn_Hz_f32==>Min
TS1.11k_MtrVoltQaxFiltFFKn_Hz_f32==>Max
TS1.12k_MtrVoltQaxFiltFFKn_Hz_f32==>Pos
TS1.13k_MtrVoltQaxFiltFFKn_Hz_f32==>Def

Test Step 1.1 (Repeat Count = 1)

Name	Input Value			
k_MtrVoltQaxFiltFFKn_Hz_f32	0.100000001			
k_MtrVoltVecuFiltKn_Hz_f32	0.100000001			
k_PiSamplingTs_Sec_f32	6.2500003e-005			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125		✓
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125		✓
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	50928.5781	50928.582		✓
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	1.963457e-005	1.96345682e-005		✓
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	50928.5781	50928.582		✓
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	1.963457e-005	1.96345682e-005		✓

Actual Function	Count	Expected Function	Count	Result
CalLowPassFiltBilinearTerm	2	CalLowPassFiltBilinearTerm	2	✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value			
k_MtrVoltQaxFiltFFKn_Hz_f32	1000			
k_MtrVoltVecuFiltKn_Hz_f32	1000			
k_PiSamplingTs_Sec_f32	0.100000001			
Name	Actual Value	Expected Value	Result	
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125		✓
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125		✓
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	-0.996816874	-0.996816874		✓
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.996826947	0.996827006		✓
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	-0.996816874	-0.996816874		✓
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.996826947	0.996827006		✓

Actual Function	Count	Expected Function	Count	Result
CalLowPassFiltBilinearTerm	2	CalLowPassFiltBilinearTerm	2	✓

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PICurrCntrl_Init

Test Step 1.3 (Repeat Count = 1)

Name	Input Value		
k_MtrVoltQaxFiltFFKn_Hz_f32	709.776001		
k_MtrVoltVecuFiltKn_Hz_f32	0.100000001		
k_PiSamplingTs_Sec_f32	0.100000001		
Name	Actual Value	Expected Value	Result
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✔
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✔
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	30.8309879	30.8309879	✔
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0304590296	0.0304590277	✔
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	-0.995515347	-0.995515347	✔
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.995535374	0.995535374	✔

Actual Function	Count	Expected Function	Count	Result
CalLowPassFiltBilinearTerm	2	CalLowPassFiltBilinearTerm	2	✓

Test Step 1.4 (Repeat Count = 1)

Name	Input Value		
k_MtrVoltQaxFiltFFKn_Hz_f32	45.4935989		
k_MtrVoltVecuFiltKn_Hz_f32	1000		
k_PiSamplingTs_Sec_f32	0.100000001		
Name	Actual Value	Expected Value	Result
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	-0.996816874	-0.996816874	✓
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.996826947	0.996827006	✓
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	-0.930031955	-0.930031955	✓
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.934607327	0.934607327	✓

Actual Function	Count	Expected Function	Count	Result
CalLowPassFiltBilinearTerm	2	CalLowPassFiltBilinearTerm	2	✓

Test Step 1.5 (Repeat Count = 1)

Name	Input Value		
k_MtrVoltQaxFiltFFKn_Hz_f32	414.50531		
k_MtrVoltVecuFiltKn_Hz_f32	59.2360001		
k_PiSamplingTs_Sec_f32	0.100000001		
Name	Actual Value	Expected Value	Result
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	-0.946264148	-0.946264088	✓
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.949004412	0.949004412	✓
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	-0.992320716	-0.992320716	✓
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.992379308	0.992379248	✓

Actual Function	Count	Expected Function	Count	Result
CalLowPassFiltBilinearTerm	2	CalLowPassFiltBilinearTerm	2	✓

Test Step 1.6 (Repeat Count = 1)

Name	Input Value		
k_MtrVoltQaxFiltFFKn_Hz_f32	863.495728		
k_MtrVoltVecuFiltKn_Hz_f32	200		
k_PiSamplingTs_Sec_f32	0.100000001		
Name	Actual Value	Expected Value	Result
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	-0.984084487	-0.984084487	✓
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.984333813	0.984333813	✓
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	-0.996313691	-0.996313691	✓

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PICurrCntrl_Init

Name	Actual Value	Expected Value	Result
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.996327221	0.996327221	✓

T				
Actual Function	Count	Expected Function	Count	Result
CalLowPassFiltBilinearTerm	2	CalLowPassFiltBilinearTerm	2	✓

Test Step 1.7 (Repeat Count = 1)

Name	Input Value		
k_MtrVoltQaxFiltFFKn_Hz_f32	791.291382		
k_MtrVoltVecuFiltKn_Hz_f32	289.923096		
k_PiSamplingTs_Sec_f32	6.2500003e-005		
Name	Actual Value	Expected Value	Result
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✔
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✔
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	16.5665817	16.5665836	✔
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.0538602099	0.0538602062	✔
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	5.4362607	5.43626118	✔
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.134476185	0.134476185	✔

T				
Actual Function	Count	Expected Function	Count	Result
CalLowPassFiltBilinearTerm	2	CalLowPassFiltBilinearTerm	2	✓

Test Step 1.8 (Repeat Count = 1)

Name	Input Value		
k_MtrVoltQaxFiltFFKn_Hz_f32	801.490417		
k_MtrVoltVecuFiltKn_Hz_f32	302.319794		
k_PiSamplingTs_Sec_f32	0.100000001		
Name	Actual Value	Expected Value	Result
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	-0.989471078	-0.989471078	✓
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.98958081	0.98958081	✓
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	-0.996028543	-0.996028543	✓
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.996044278	0.996044219	✓

T				
Actual Function	Count	Expected Function	Count	Result
CalLowPassFiltBilinearTerm	2	CalLowPassFiltBilinearTerm	2	✓

Test Step 1.9 (Repeat Count = 1)

Name	Input Value		
k_MtrVoltQaxFiltFFKn_Hz_f32	325.598114		
k_MtrVoltVecuFiltKn_Hz_f32	775.537415		
k_PiSamplingTs_Sec_f32	0.000125000006		
Name	Actual Value	Expected Value	Result
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	2.28350234	2.28350258	✓
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.23345381	0.23345381	✓
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermN_Uls_f32	6.82092714	6.82092714	✓
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.113366775	0.113366768	✓

T				
Actual Function	Count	Expected Function	Count	Result
CalLowPassFiltBilinearTerm	2	CalLowPassFiltBilinearTerm	2	✓

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PICurrCntrl_Init

Test Step 1.10 (Repeat Count = 1)

Name	Input Value		
k_MtrVoltQaxFiltFFKn_Hz_f32	0.100000001		
k_MtrVoltVecuFiltKn_Hz_f32	14.1302996		
k_PiSamplingTs_Sec_f32	0.0988999978		
Name	Actual Value	Expected Value	Result
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✔
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✔
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	-0.77222687	-0.77222687	✔
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.814482749	0.814482749	✔
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	31.1850204	31.1850243	✔
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.0301340781	0.0301340744	✔

T				
Actual Function	Count	Expected Function	Count	Result
CalLowPassFiltBilinearTerm	2	CalLowPassFiltBilinearTerm	2	✓

Test Step 1.11 (Repeat Count = 1)

Name	Input Value		
k_MtrVoltQaxFiltFFKn_Hz_f32	1000		
k_MtrVoltVecuFiltKn_Hz_f32	761.508179		
k_PiSamplingTs_Sec_f32	0.0340999998		
Name	Actual Value	Expected Value	Result
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	-0.987741947	-0.987741947	✓
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.987890363	0.987890422	✓
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	-0.990665376	-0.990665376	✓
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.990751743	0.990751743	✓

T				
Actual Function	Count	Expected Function	Count	Result
CalLowPassFiltBilinearTerm	2	CalLowPassFiltBilinearTerm	2	✓

Test Step 1.12 (Repeat Count = 1)

Name	Input Value		
k_MtrVoltQaxFiltFFKn_Hz_f32	213.235001		
k_MtrVoltVecuFiltKn_Hz_f32	815.32312		
k_PiSamplingTs_Sec_f32	0.0340999998		
Name	Actual Value	Expected Value	Result
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	-0.988551021	-0.988551021	✓
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.988680601	0.988680661	✓
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	-0.956223905	-0.956223905	✓
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermD_Uls_f32	0.958059847	0.958059847	✓

T				
Actual Function	Count	Expected Function	Count	Result
CalLowPassFiltBilinearTerm	2	CalLowPassFiltBilinearTerm	2	✓

Test Step 1.13 (Repeat Count = 1)

Name	Input Value		
k_MtrVoltQaxFiltFFKn_Hz_f32	500		
k_MtrVoltVecuFiltKn_Hz_f32	815.32312		
k_PiSamplingTs_Sec_f32	0.0302000009		
Name	Actual Value	Expected Value	Result
PICurrCntrl_MtrCurrDaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrCurrQaxSatFluxRatio_Uls_M_f32	1	1 ± 0.00048828125	✓
PICurrCntrl_MtrVecuFilt_M_str.TermN_Uls_f32	-0.987072527	-0.987072527	✓
PICurrCntrl_MtrVecuFilt_M_str.TermD_Uls_f32	0.987237573	0.987237513	✓
PICurrCntrl_MtrVoltQaxFFFilt_M_str.TermN_Uls_f32	-0.978919864	-0.978919864	✓

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PICurrCntrl_Init

Name	Actual Value	Expected Value	Result
PICurrCntrl_MtrVoltQaxFFilt_M_str.TermD_Uls_f32	0.979355037	0.979355097	✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
CalLowPassFiltBilinearTerm	2	CalLowPassFiltBilinearTerm	2		✓

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CalLowPassFiltVecuOut



Project

Module

Test Object

Instrumentation: Test Object Only

Statement (C0) Coverage

Decision Coverage

Branch (C1) Coverage

MCC Coverage

MC/DC Coverage

Statistics

Total Testcases	
Successful	✓
Failed	
Not Executed	

Module Properties

Project Root Directory	
Configuration File	
Target Environment	
Kind of Test	
Linker Options	
Source File(s)	
File	
Compiler Options	
File	
Compiler Options	

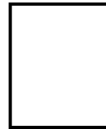
Comments/Description/Specification

Name	Text
------	------

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CalLowPassFiltVecuOut

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Attributes	
Name	Value
CTE File	\$(PROJECTROOT)\tessy\persist\tessy\project\00000412\0000099f\.database\.tdb \000009B3\CalLowPassFiltVecuOut.cte
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 4.4
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
Timer Unit	Cycles
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\MtrCtrl_CM_SF99B\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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CalLowPassFiltVecuOut



Test Case 1: Metric Test

Specification Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:
TS 1.1 112.00 Cycles
TS 1.2 141.00 Cycles

Description

Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

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CalLowPassFiltVecuOut



Test Case 2: Boundary Test

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

TS 2.1 80.00 Cycles
TS 2.2 112.00 Cycles
TS 2.3 80.00 Cycles
TS 2.4 112.00 Cycles
TS 2.5 80.00 Cycles
TS 2.6 112.00 Cycles
TS 2.7 80.00 Cycles
TS 2.8 141.00 Cycles
TS 2.9 80.00 Cycles
TS 2.10 80.00 Cycles
TS 2.11 128.00 Cycles
TS 2.12 80.00 Cycles
TS 2.13 112.00 Cycles
TS 2.14 112.00 Cycles
TS 2.15 80.00 Cycles
TS 2.16 80.00 Cycles
TS 2.17 141.00 Cycles
TS 2.18 128.00 Cycles
TS 2.19 80.00 Cycles
TS 2.20 141.00 Cycles
TS 2.21 80.00 Cycles
TS 2.22 80.00 Cycles
TS 2.23 80.00 Cycles
TS 2.24 121.00 Cycles
TS 2.25 80.00 Cycles
TS 2.26 121.00 Cycles
TS 2.27 80.00 Cycles

Description

Test Step 2.1 (Repeat Count = 1)

Name		Input Value		
Name		Actual Value	Expected Value	Result
				✓
				✓
				✓
				✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 2.2 (Repeat Count = 1)

Name		Input Value		

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CalLowPassFiltVecuOut



Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓

Test Step 2.3 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓

Test Step 2.4 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓

Test Step 2.5 (Repeat Count = 1) ✓

Name	Input Value

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CalLowPassFiltVecuOut



Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 2.6 (Repeat Count = 1) ✓

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 2.7 (Repeat Count = 1) ✓

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

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CalLowPassFiltVecuOut



Test Step 2.8 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓

T ✓

Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 2.9 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓

T ✓

Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 2.10 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓

T ✓

Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 2.11 (Repeat Count = 1) ✓

Name	Input Value

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CalLowPassFiltVecuOut



Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓

Test Step 2.12 (Repeat Count = 1) ✓

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓

Test Step 2.13 (Repeat Count = 1) ✓

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓

Test Step 2.14 (Repeat Count = 1) ✓

Name	Input Value

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Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 2.15 (Repeat Count = 1) ✓

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 2.16 (Repeat Count = 1) ✓

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

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Test Step 2.17 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T ✓

Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 2.18 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T ✓

Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 2.19 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T ✓

Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 2.20 (Repeat Count = 1) ✓

Name	Input Value

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Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓

Test Step 2.21 (Repeat Count = 1) ✓

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓

Test Step 2.22 (Repeat Count = 1) ✓

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	
					✓

Test Step 2.23 (Repeat Count = 1) ✓

Name	Input Value

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Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 2.24 (Repeat Count = 1) ✓

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 2.25 (Repeat Count = 1) ✓

Name	Input Value		
Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

TEST DETAILS REPORT

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Test Step 2.26 (Repeat Count = 1)

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

Test Step 2.27 (Repeat Count = 1)

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T				
Actual Function	Count	Expected Function	Count	Result
				✓

Test Case 3: Path Test

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

TS 3.1 80.00 Cycles
TS 3.2 112.00 Cycles
TS 3.3 80.00 Cycles

Description

Test Step 3.1 (Repeat Count = 1)

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓

TEST DETAILS REPORT

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Name	Actual Value	Expected Value	Result
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	✓

Test Step 3.2 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	✓

Test Step 3.3 (Repeat Count = 1) ✓

Name	Input Value

Name	Actual Value	Expected Value	Result
			✓
			✓
			✓
			✓

T					✓
Actual Function	Count	Expected Function	Count	Result	✓