

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM1000000028ZWZ
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: HYBRID / BATTERY CONTROL: MOTOR GENERATOR CONTROL SYSTEM (for M20A-FXS): P062F46; Generator Control Module(EEPROM Learning Value) Calibration / Parameter Memory Failure; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	P062F46	Generator Control Module(EEPROM Learning Value) Calibration / Parameter Memory Failure
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DESCRIPTION

The inverter with converter assembly monitors its internal operation and will store this DTC if it detects a malfunction of its EEPROM.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE
P062F46	Generator Control Module(EEPROM Learning Value) Calibration / Parameter Memory Failure	ECU internal malfunction (EEPROM error) (1 trip detection logic)	Inverter with converter assembly	Comes on	Master Warning: Comes on	Motor Generator	A	SAE Code: P062F

MONITOR DESCRIPTION

The motor generator control ECU monitors its internal operation. If the internal operation is malfunctioning, the motor generator control ECU illuminates the MIL and stores a DTC.

MONITOR STRATEGY

Related DTCs	P062F (INF P062F46): Parameter memory failure
Required sensors/components	Motor generator control ECU
Frequency of operation	Continuous
Duration	TMC's intellectual property
MIL operation	1 driving cycle
Sequence of operation	None

TYPICAL ENABLING CONDITIONS

The monitor will run whenever the following DTCs are not stored	TMC's intellectual property
Other conditions belong to TMC's intellectual property	-

TYPICAL MALFUNCTION THRESHOLDS

TMC's intellectual property	-
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COMPONENT OPERATING RANGE

Motor generator control ECU	DTC P062F (INF P062F46) is not detected
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CONFIRMATION DRIVING PATTERN

HINT:

- After repair has been completed, clear the DTC and then check that the vehicle has returned to normal by performing the following All Readiness check procedure.

Click here [INFO](#)

- When clearing the permanent DTCs, refer to the "CLEAR PERMANENT DTC" procedure.

Click here [INFO](#)

- Clear the DTCs (even if no DTCs are stored, perform the clear DTC procedure).
- Turn the ignition switch off and wait for 2 minutes or more.
- Turn the ignition switch to ON and wait for 15 seconds or more. [*1]

HINT:

[*1]: Normal judgment procedure.

The normal judgment procedure is used to complete DTC judgment and also used when clearing permanent DTCs.

- Enter the following menus: Powertrain / Motor Generator / Utility / All Readiness.
- Check the DTC judgment result.

HINT:

- If the judgment result shows NORMAL, the system is normal.
- If the judgment result shows ABNORMAL, the system has a malfunction.
- If the judgment result shows INCOMPLETE, perform the normal judgment procedure again.

CAUTION / NOTICE / HINT

NOTICE:

Be sure to check that the applicable DTC is output from the motor generator control system.

PROCEDURE

1.	CHECK DTC OUTPUT (HEALTH CHECK)
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Pre-procedure1

(a) According to the display on the GTS, select "Health Check".

Procedure1

(b) Check for DTCs.

RESULT	PROCEED TO
P062F46 is output from the motor generator control system.	A
P062F46 is output from any system other than the motor generator control system.	B

Post-procedure1

(c) Turn the ignition switch off.

A ► **REPLACE INVERTER WITH CONVERTER ASSEMBLY**

B ► **GO TO PERFORM DIAGNOSIS FOR RESPECTIVE SYSTEM**

