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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: HYBRID / BATTERY CONTROL: MOTOR GENERATOR CONTROL SYSTEM (for M20A-FXS): P062F44; Internal Control Module EEPROM Data Memory Failure; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	P062F44	Internal Control Module EEPROM Data 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
P062F44	Internal Control Module EEPROM Data Memory Failure	ECU internal malfunction (EEPROM error) (1 trip detection logic)	Inverter with converter assembly	Comes on	Master Warning: Does not come 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 P062F44): Internal Control Module EEPROM (Drive Motor "A" Control Module)
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 P062F44) 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
P062F44 is output from the motor generator control system.	A
P062F44 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**

