Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM100000002BLYW
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [03/2023 -]
Title: M20A-FXS (ENGINE CONTROL): SFI SYSTEM: P062F44; Internal Control Module EEPROM Data Memory Failure; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

DTC	**P062F44**	**Internal Control Module EEPROM Data Memory Failure**

DESCRIPTION

The ECM monitors its internal operation and stores this DTC when it detects an internal malfunction.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	MIL	DTC OUTPUT FROM	PRIORITY	NOTE
P062F44	Internal Control Module EEPROM Data Memory Failure	An ECM internal error (EEPROM) (1 trip detection logic).	ECM	Comes on	Engine	A	SAE Code: P062F

MONITOR DESCRIPTION

The ECM monitors its internal operation. If the internal operation is malfunctioning, the ECM illuminates the MIL and stores this DTC.

MONITOR STRATEGY

Related DTCs	P062F: Internal control module EEPROM error functional
Required Sensors/Components (Main)	ECM
Required Sensors/Components (Related)	-
Frequency of Operation	Continuous: Case 1, Case 2 Once per driving cycle: Case 3
Duration	-
MIL Operation	Immediate
Sequence of Operation	None

TYPICAL ENABLING CONDITIONS

All

Monitor runs whenever the following DTCs are not stored	None

Case 1

All of the following conditions are met	-
Permanent fault code	Not stored

OBDII system commands	Store
Auxiliary battery voltage	8 V or higher

Case 2

All of the following conditions are met	-
Permanent fault code	Stored
OBDII system commands	Clear
Auxiliary battery voltage	8 V or higher

Case 3

Auxiliary battery voltage	8 V or higher

TYPICAL MALFUNCTION THRESHOLDS

Case 1

The following condition is met	2 data or more
One of the following conditions (a), (b) or (c) is met	More than 3 times
(a) EEPROM access error	Occurred
(b) Permanent fault code	Not stored
(c) Permanent fault code	Not equal to commanded fault code

Case 2

The following condition is met	2 data or more
Either of the following conditions (a) or (b) is met	More than 3 times
(a) EEPROM access error	Occurred
(b) Permanent fault code	Stored

Case 3

Either of the following conditions is met	1 or 2
1. The following condition is met	2 data or more
EEPROM access error (more than 3 times)	Occurred
2. Permanent fault code data (more than 10 times)	Mismatch

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

1. Clear the DTCs (even if no DTCs are stored, perform the clear DTC procedure).
2. Turn the GTS off.
3. Turn the ignition switch off.
4. Disconnect the GTS.
5. Disconnect the cable from the negative (-) auxiliary battery terminal and wait for 1 minute.
6. Connect the cable to the negative (-) auxiliary battery terminal.
7. Start the engine and wait 30 seconds or more [A].
8. Enter the following menus: Powertrain / Engine / Trouble Codes [B].
9. Read the pending DTCs.

HINT:

- If a pending DTC is output, the system is malfunctioning.
- If a pending DTC is not output, perform the following procedure.

10. Enter the following menus: Powertrain / Engine / Utility / All Readiness.
11. Input the DTC: P062F44.
12. Check the DTC judgment result.

HINT:

- If the judgment result is NORMAL, the system is normal.
- If the judgment result is ABNORMAL, the system is malfunctioning.
- [A] to [B]: Normal judgment procedure.

  The normal judgment procedure is used to complete DTC judgment and also used when clearing permanent DTCs.
- When clearing the permanent DTCs, do not disconnect the cable from the auxiliary battery terminal or attempt to clear the DTCs during this procedure, as doing so will clear the universal trip and normal judgment histories.

CAUTION / NOTICE / HINT

NOTICE:

- After the ignition switch is turned off, there may be a waiting time before disconnecting the negative (-) battery terminal.

  Click here INFO
- When disconnecting and reconnecting the battery.

HINT:

When disconnecting and reconnecting the battery, there is an automatic learning function that completes learning when the respective system is used.

Click here INFO

- Vehicle Control History may be stored in the hybrid vehicle control ECU if the engine is malfunctioning. Certain vehicle condition information is recorded when Vehicle Control History is stored. Reading the vehicle conditions recorded in both the Freeze Frame Data and Vehicle Control History can be useful for troubleshooting.

  for HEV Model: Click here INFO

  for PHEV Model: Click here INFO

  (Select Powertrain in Health Check and then check the time stamp data.)
- If any "Engine Malfunction" Vehicle Control History item has been stored in the hybrid vehicle control ECU, make sure to clear it. However, as all Vehicle Control History items are cleared simultaneously, if any Vehicle Control History items other than "Engine Malfunction" are stored, make sure to perform any troubleshooting for them before clearing Vehicle Control History.

  for HEV Model: Click here INFO

  for PHEV Model: Click here INFO

PROCEDURE

1.	**CLEAR DTC**

Pre-procedure1

(a) None.

Procedure1

(b) Clear the DTCs.

Powertrain > Engine > Clear DTCs

Post-procedure1

(c) Turn the ignition switch off.

NEXT

2.	**READ OUTPUT DTC (DTC P062F44)**

Pre-procedure1

(a) Disconnect the cable from the negative (-) auxiliary battery terminal and wait for 1 minute.

(b) Connect the cable to the negative (-) auxiliary battery terminal.

(c) Start the engine and wait 30 seconds or more.

Procedure1

(d) Read the DTCs.

Powertrain > Engine > Trouble Codes

RESULT	PROCEED TO
DTCs are not output	A
P062F44 is output	B

Post-procedure1

(e) None.

A ▶ **CHECK FOR INTERMITTENT PROBLEMS**

B ▶ **REPLACE ECM**