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Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [03/2023 -]
Title: HYBRID / BATTERY CONTROL: HYBRID CONTROL SYSTEM (for PHEV Model): P060694; Hybrid/EV Powertrain Control Module Processor Unexpected Operation; 2023 - 2024 MY Prius Prime [03/2023 -]		

DTC	P060694	**Hybrid/EV Powertrain Control Module Processor Unexpected Operation**

DTC SUMMARY

MALFUNCTION DESCRIPTION

The main CPU and sub CPU of the Hybrid vehicle control ECU monitor each other.

The cause of this malfunction may be the following:

Hybrid vehicle control ECU internal malfunction

- Hybrid vehicle control ECU malfunction

DESCRIPTION

The hybrid vehicle control ECU monitors its internal operation and will store these DTCs when it detects an internal malfunction.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE
P060694	Hybrid/EV Powertrain Control Module Processor Unexpected Operation	The main CPU value received by the sub CPU of the hybrid vehicle control ECU exceeds the threshold for a certain period of time. (1 trip detection logic)	Hybrid vehicle control ECU	Comes on	Master Warning: Comes on	Hybrid Control	A	SAE Code: P0606

MONITOR DESCRIPTION

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

MONITOR STRATEGY

Related DTCs	P0606 (INF P060694): Control module processor
Required sensors/components	Hybrid vehicle 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	-

COMPONENT OPERATING RANGE

Hybrid vehicle control ECU	DTC P0606 (INF P060694) is not detected

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 ignition switch off and wait for 2 minutes or more.
3. Turn the ignition switch to ON (READY) and wait for 10 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.
4. Enter the following menus: Powertrain / Hybrid Control / Utility / All Readiness.
5. 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.

PROCEDURE

1.	CHECK DTC OUTPUT (HYBRID CONTROL)

Pre-procedure1

(a) None.

Procedure1

(b) Check for DTCs.

Powertrain > Hybrid Control > Trouble Codes

RESULT	PROCEED TO
Only P060694 is output	A
P060694 and other DTCs are output	B

Post-procedure1

(c) Turn the ignition switch off.

A ▶ **REPLACE HYBRID VEHICLE CONTROL ECU**

B ▶ **GO TO DTC CHART (HYBRID CONTROL SYSTEM)**