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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: HYBRID / BATTERY CONTROL: PLUG-IN CHARGE CONTROL SYSTEM (for PHEV Model): P060B1C,P060B49,P060B71; Plug-in Control Module A/D Processing Circuit Voltage Out of Range; 2023 - 2024 MY Prius Prime [03/2023 -]		

DTC	P060B1C	Plug-in Control Module A/D Processing Circuit Voltage Out of Range
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DTC	P060B49	Plug-in Control Module A/D Processing Internal Electronic Failure
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DTC	P060B71	Plug-in Control Module A/D Processing Actuator Stuck
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DESCRIPTION

The plugin charge control ECU assembly monitors the internal operation of the ECU and outputs a diagnostic code when an abnormality is detected.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE
P060B1C	Plug-in Control Module A/D Processing Circuit Voltage Out of Range	Plug-in charge control ECU internal malfunction (Main CPU voltage abnormal) (1 trip detection logic)	Plug-in charge control ECU assembly	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P060B
P060B49	Plug-in Control Module A/D Processing Internal Electronic Failure	Plug-in charge control ECU internal malfunction (Main CPU AD timeout error) (1 trip detection logic)	Plug-in charge control ECU assembly	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P060B
P060B71	Plug-in Control Module A/D Processing Actuator Stuck	Plug-in charge control ECU internal malfunction (Main CPU AD multiplexer malfunction) (1 trip detection logic)	Plug-in charge control ECU assembly	Comes on	Master Warning: Comes on	Plug-in Control	A	SAE Code: P060B

MONITOR DESCRIPTION

The plugin charge control ECU assembly monitors its internal operation. If the internal operation is malfunctioning, the plugin charge control ECU assembly stores a DTC.

MONITOR STRATEGY

Related DTCs	P060B: Internal Control Module A/D Processing
Required sensors/components	Plug-in charge control ECU
Frequency of operation	Continuous
Duration	TMC's intellectual property
MIL operation	Immediately
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

Plug-in charge control ECU	DTC P060B1C is not detected DTC P060B49 is not detected DTC P060B71 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.

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

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1. Connect the GTS to the DLC3.
2. Turn the ignition switch to ON and turn the GTS on.
3. Clear the DTCs (even if no DTCs are stored, perform the clear DTC procedure).
4. Turn the ignition switch off and wait for 2 minutes or more.
5. Turn the ignition switch to ON and turn the GTS on.
6. With the ignition switch ON, wait for 5 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.

7. Enter the following menus: Powertrain / Plug-in Control / Utility / All Readiness.
8. 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 or N/A, perform the normal judgment procedure again.

CAUTION / NOTICE / HINT

NOTICE:

Be sure to check that the applicable DTC is output from the Plug-in Charge Control System.

PROCEDURE

1.	REPLACE PLUGIN CHARGE CONTROL ECU ASSEMBLY
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HINT:

Click here [INFO](#)

NEXT  **COMPLETED**

