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<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [03/2023 - ]
<b>Title:</b> HYBRID / BATTERY CONTROL: PLUG-IN CHARGE CONTROL SYSTEM (for PHEV Model): P1C1C00; DC/DC Converter Malfunction (for Charging); 2023 - 2024 MY Prius Prime [03/2023 - ]		

<b>DTC</b>	<b>P1C1C00</b>	<b>DC/DC Converter Malfunction (for Charging)</b>
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## DESCRIPTION

The charge control ECU built into the electric vehicle charger assembly monitors its internal operation. If it detects a power output malfunction in the electric vehicle charger assembly, it stores a DTC. When this DTC is output, replace the electric vehicle charger assembly.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE
P1C1C00	DC/DC Converter Malfunction (for Charging)	When charging, ICHG current is not flowing despite VH-DCDC being driven  (1 trip detection logic)	Electric vehicle charger assembly	Comes on	Master Warning:  Comes on	Plug-in Control	A	SAE Code:  P0D5C

## MONITOR DESCRIPTION

The charge control ECU built into the electric vehicle charger assembly monitors its internal operation. If it detects a power output malfunction in the electric vehicle charger assembly, it illuminates the MIL and stores a DTC.

## MONITOR STRATEGY

Related DTCs	P0D5C: Battery Charger Hybrid/EV Battery Output Power Performance
Required sensors/components	Electric vehicle charger assembly
Frequency of operation	Continuous
Duration	TMC's intellectual property
MIL operation	1 charging 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

Electric vehicle charger assembly

DTC P1C1C00 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.

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- Clear the DTCs (even if no DTCs are stored, perform the clear DTC procedure).
- Enter the following menus: Powertrain / Hybrid Control / Data List.
- Check that "Hybrid/EV Battery SOC" shows 70% or less.
- Turn the ignition switch off and wait for 2 minutes or more.
- Connect the electric vehicle charger cable assembly, and plug-in charge the vehicle for 30 seconds or more. [\*1]
- Disconnect the electric vehicle charger cable assembly and wait for 10 seconds or more. [\*2]

### HINT:

[\*1] to [\*2]: 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 / Plug-in Control / 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 or N/A, perform the normal judgment procedure again.

## PROCEDURE

### 1. REPLACE ELECTRIC VEHICLE CHARGER ASSEMBLY

### HINT:

[Click here](#) INFO

**NEXT**  **COMPLETED**

