

<b>Last Modified:</b> 12-04-2024	6.11:8.1.0	<b>Doc ID:</b> RM10000002BMDZ
<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [03/2023 - ]
<b>Title:</b> M20A-FXS (BATTERY / CHARGING): SOLAR CHARGING SYSTEM: DTC CHECK / CLEAR; 2023 - 2024 MY Prius Prius Prime [03/2023 - ]		

## DTC CHECK / CLEAR

### CHECK FOR DTCS

(a) Enter the following menus.

#### **Powertrain > Solar Charging Control > Trouble Codes**

(b) Check the DTCs and freeze frame data, and then write them down.

(c) Check the details of the DTCs.

DISPLAY ITEM	DESCRIPTION
Confirmed (Current DTC)	DTCs that indicate malfunctions
Pending (Pending DTC)	<ul style="list-style-type: none"> <li>DTCs that indicate temporary malfunctions</li> <li>Existence of malfunction has not been confirmed but there is a possibility</li> </ul>

- A pending DTC is a DTC that is stored in solar energy control ECU assembly during the 1st trip when 2 trip or 3 trip detection logic is used.
- Both Confirmed (Current DTC) and Pending (Pending DTC) record freeze frame data.

(1) Enter the following menus.

#### **Powertrain > Solar Charging Control > Utility**

TESTER DISPLAY
Check Mode

(2) Check the display and press "Next".

### **NOTICE:**

- All the stored DTCs and freeze frame data are cleared if the solar energy control ECU assembly is changed from normal mode to check mode. Before changing modes, always check and note any DTCs and freeze frame data.
- Changing from normal mode to check mode is not possible when the ignition switch is turned to ON (READY).

### CHECK FREEZE FRAME DATA

(a) If a DTC is present, select it in order to display its freeze frame data.

(b) Read the freeze frame data recorded when the DTC was stored.

### CHECK FOR DTCS (CAN BUS CHECK)

(a) Check the CAN Bus Check.

#### **CAN Bus Check**

### **HINT:**

If DTCs for the CAN communication system are present in addition to other DTCs, first troubleshoot and repair any malfunctions in the CAN communication system.

**CHECK FOR DTCS (SYSTEMS EXCEPT SOLAR CHARGING SYSTEM)****HINT:**

The solar energy control ECU assembly maintains communication with other computers, including the hybrid vehicle control ECU, the battery ECU assembly and combination meter assembly. Therefore, if the solar energy control ECU assembly outputs a DTC, it is necessary to check for and record the DTCs of all other systems.

- (a) Enter the following menus: Health Check.
- (b) If DTCs are present, check the relevant systems.

**CLEAR DTCS (SOLAR CHARGING CONTROL)****NOTICE:**

Clearing the DTCs will also clear the freeze frame data.

- (a) Clear the DTCs and freeze frame data.

**Powertrain > Solar Charging Control > Clear DTCs**