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| Last Modified: 12-04-2024 | 6.11:8.1.0 | Doc ID: RM10000002BO5X |
| Model Year Start: 2023 | Model: Prius Prime | Prod Date Range: [03/2023 -] |
| Title: POWER DISTRIBUTION: SUB BATTERY SYSTEM: HOW TO PROCEED WITH TROUBLESHOOTING; 2023 - 2024 MY Prius Prius Prime [03/2023 -] | | |

HOW TO PROCEED WITH TROUBLESHOOTING

CAUTION / NOTICE / HINT

HINT:

- Use these procedures to troubleshoot the sub battery system.
- *: Use the GTS.

PROCEDURE

1. VEHICLE BROUGHT TO WORKSHOP

NEXT



2. CUSTOMER PROBLEM ANALYSIS

NEXT



3. PRE-CHECK

(a) Measure the auxiliary battery voltage.

Standard voltage:

12 V or higher (ignition switch off)

HINT:

If the auxiliary battery voltage is below 12 V, recharge or replace the auxiliary battery.

(b) Check the fuses and relays.

(c) Check the connector connections and terminals to make sure that there are no abnormalities such as loose connections, deformation, etc.

NEXT



4. CHECK CAN COMMUNICATION SYSTEM*

(a) Using the GTS, check if the CAN communication system is functioning normally.

HINT:

Refer to Communication Bus Check in CAN Communication System.

- for HEV Model:

[Click here](#) INFO

- for PHEV Model:

[Click here](#) INFO

OK:

CAN communication system is functioning normally.

NG **GO TO CAN COMMUNICATION SYSTEM**

- for HEV Model:

[Click here](#) INFO

- for PHEV Model:

[Click here](#) INFO

OK



5. CHECK FOR DTC*

(a) Check and record DTCs and Freeze Frame Data.

Body Electrical > Sub Battery System > Trouble Codes

(b) If the DTCs is output, record it.

| RESULT | PROCEED TO |
|---------------------|------------|
| DTCs are not output | A |
| DTCs are output. | B |

B **GO TO DIAGNOSTIC TROUBLE CODE CHART**


6. CHECK VEHICLE CONTROL HISTORY (RoB)*

(a) Check and record Vehicle Control History (RoB).

Body Electrical > Sub Battery System > Utility

| |
|-------------------------------|
| TESTER DISPLAY |
| Vehicle Control History (RoB) |

(b) If the vehicle control history is output, record it.

| RESULT | PROCEED TO |
|---------------------|------------|
| RoBs are not output | A |
| RoBs are output. | B |

A ► **USE SIMULATION METHOD TO CHECK**

B ► **GO TO VEHICLE CONTROL HISTORY (ROB)**

