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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: POWER DISTRIBUTION: SUB BATTERY SYSTEM: B22E000; Deterioration of Sub Battery; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	B22E000	Deterioration of Sub Battery
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DESCRIPTION

Charging of the 2nd stage power source from the auxiliary battery is performed in preparation for when an auxiliary battery power source malfunction occurs

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY
B22E000	Deterioration of Sub Battery	An internal malfunction of the integrated capacitor (integration control supply) is detected (1 trip detection logic)	Integrated capacitor (integration control supply)	User informed: Yes	Sub Battery System	A

CHECK FOR DTCs

- Clear the DTCs (even if no DTCs are stored, perform the clear DTC procedure).
- Turn the ignition switch off and wait 6 minutes or more. (A)
- Turn the ignition switch to ON. (B)
- Turn the GTS on. (C)
- Wait for 10 seconds or more. (D)
- Read the DTCs. (E)

HINT:

- If a DTC is output, the system is malfunctioning.
 - If a DTC is not output, perform the following procedure.
- Enter the following menus: Body Electrical / Sub Battery System / Utility / All Readiness. (F)
 - Enter the DTC to be checked. (G)
 - Check the DTC judgment result. (H)

HINT:

- If the judgment result is NORMAL, the system is normal.
- If the judgment result is ABNORMAL, the system is malfunctioning.
- If the judgment result is INCOMPLETE, perform steps (A) through (H) again.

CAUTION / NOTICE / HINT

NOTICE:

- When removing/installing the transmission floor shift assembly (shift control ECU)/shift control actuator assembly (shift actuator ECU) or disconnecting/connecting connectors, make sure there is no power* supplied.

*: Auxiliary battery, sub battery, integrated capacitor (integration control supply), etc.

- Before removing and installing the integrated capacitor (integration control supply), make sure the cable is disconnected from the negative (-) auxiliary battery terminal after 5 minutes or more has elapsed since the ignition switched was turned off.
- Before performing troubleshooting, check the state of fuses and connectors of this circuit, and contact voltage of respective terminals.
- If a warning message remains on the meter after clearing the DTCs, replace the integrated capacitor (integration control supply).

PROCEDURE

1.	CHECK FOR DTC
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(a) Check for DTCs.

Body Electrical > Sub Battery System > Trouble Codes

RESULT	PROCEED TO
B22E000 is output	A
B22E000 is not output	B

A ▶ **REPLACE INTEGRATED CAPACITOR (INTEGRATION CONTROL SUPPLY)** INFO

B ▶ **USE SIMULATION METHOD TO CHECK**

