

Last Modified: 12-04-2024	6.11:8.1.0	Doc ID: RM10000002BO5Y
Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [03/2023 -]
Title: POWER DISTRIBUTION: SUB BATTERY SYSTEM: U012987; Lost Communication with Brake System Control Module "A" Missing Message; 2023 - 2024 MY Prius Prius Prime [03/2023 -]		

DTC	U012987	Lost Communication with Brake System Control Module "A" Missing Message
------------	----------------	--

DESCRIPTION

As backup control for when an auxiliary battery power source malfunction occurs, CAN communication is performed.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY
U012987	Lost Communication with Brake System Control Module "A" Missing Message	A CAN signal is not received for 2.4 seconds or more	<ul style="list-style-type: none"> CAN communication line Harness or connector 	User informed: Yes	Sub Battery System	B

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.

PROCEDURE

1.	CHECK FOR DTC
-----------	----------------------

(a) Check the CAN communication system DTCs being output.

Body Electrical > Sub Battery System > Trouble Codes

NEXT ► GO TO CAN COMMUNICATION SYSTEM

- for HEV Model:

Click here [INFO](#)

- for PHEV Model:

Click here [INFO](#)

