Last Modified: 12-04-2024	6.11:8.1.0	**Doc ID:** RM100000002BHV5
Model Year Start: 2023	**Model:** Prius Prime	**Prod Date Range:** [03/2023 -]
Title: HYBRID / BATTERY CONTROL: HYBRID BATTERY SYSTEM (for PHEV Model): U010087; Lost Communication with ECM/PCM "A" Missing Message; 2023 - 2024 MY Prius Prime [03/2023 -]		

DTC	**U010087**	**Lost Communication with ECM/PCM "A" Missing Message**

DESCRIPTION

The battery ECU assembly transmits and receives signals via CAN communication to and from the ECM.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	MIL	WARNING INDICATE	DTC OUTPUT FROM	PRIORITY	NOTE
U010087	Lost Communication with ECM/PCM "A" Missing Message	A CAN communication error between the battery ECU assembly and ECM (CAN communication system malfunction) occurs (1 trip detection logic)	CAN communication system	Comes on	Master Warning: Comes on	HV Battery	B	SAE Code: U0100

MONITOR DESCRIPTION

If the battery ECU assembly detects a problem with CAN communication with the ECM, it will illuminate the MIL and store a DTC.

MONITOR STRATEGY

Related DTCs	U0100 (INF U010087): Lost communication with ECM/PCM
Required sensors/components	Battery ECU assembly
Frequency of operation	Continuous
Duration	TMC's intellectual property
MIL operation	Immediately
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	-

COMPONENT OPERATING RANGE

Battery ECU assembly	DTC U0100 (INF U010087) 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.

  Click here INFO

1. Clear the DTCs (even if no DTCs are stored, perform the clear DTC procedure).
2. Turn the ignition switch off and wait for 2 minutes or more.
3. Turn the ignition switch to ON and wait for 2 minutes or more.[*1]

HINT:

[*1]: Normal judgment procedure.

The normal judgment procedure is used to complete DTC judgment and also used when clearing permanent DTCs.

4. Enter the following menus: Powertrain / HV Battery / Utility / All Readiness.
5. 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.

CAUTION / NOTICE / HINT

NOTICE:

Be sure to check that the applicable DTC is output from the hybrid battery system.

PROCEDURE

1.	**CHECK DTC OUTPUT (HV BATTERY)**

Pre-procedure1

(a) None

Procedure1

(b) Check for DTCs.

Powertrain > HV Battery > Trouble Codes

Post-procedure1

(c) Turn the ignition switch off.

NEXT GO TO CAN COMMUNICATION SYSTEM