

DTC	U0100	LOST COMMUNICATION WITH ECM/PCM "A"
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DTC	U0293	LOST COMMUNICATION WITH HYBRID VEHICLE CONTROL SYSTEM
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CIRCUIT DESCRIPTION

The battery ECU receives signals from the HV control ECU, ECM, and gateway ECU via CAN (Controller Area Network) communication.

DTC No.	DTC Detection Condition	Trouble Area
U0100	CAN communication malfunction (no signal reception) with ECM	• CAN communication system
U0293	CAN communication malfunction (no signal reception) with HV control ECU	• CAN communication system

MONITOR DESCRIPTION

If the battery ECU detects malfunction in the CAN communication with the ECM or HV control ECU, it illuminates the MIL and sets a DTC.

MONITOR STRATEGY

U0100:

Related DTCs	U0100: Communication between ECM and battery ECU/Non-received check
Required sensor/components	Main: ECM Sub: CAN bus line
Frequency of operation	Continuous
Duration	0.68 second or more
MIL operation	Immediately
Sequence of operation	None

U0293:

Related DTCs	U0293: Communication between hybrid vehicle control and battery ECU/Non-received check
Required sensor/components	Main: Hybrid vehicle control ECU Sub: CAN bus line
Frequency of operation	Continuous
Duration	0.68 second or more
MIL operation	Immediately
Sequence of operation	None

TYPICAL ENABLING CONDITIONS

The monitor will run whenever the following DTCs are not present	TOYOTA's intellectual property
Other conditions belong to TOYOTA's intellectual property	–

TYPICAL MALFUNCTION THRESHOLDS

Receiving data	No reception
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COMPONENT OPERATING RANGE

ECM	DTC U0100 is not detected
Hybrid vehicle control ECU	DTC U0293 is not detected

INSPECTION PROCEDURE**1 READ OUTPUT DTC(CODES ALL)**

- (a) Connect the hand-held tester or the OBD II scan tool to the DLC3.
- (b) Turn the power switch ON (IG).
- (c) Turn the hand-held tester or the OBD II scan tool ON.
- (d) On the hand-held tester or the OBD II scan tool, enter the following menus: DIAGNOSIS / ENHANCED OBD II / CODES ALL.
- (e) On the hand-held tester, enter the following menus: DIAGNOSIS / ENHANCED OBD II / CODES ALL. For the OBD II scan tool, see its instruction manual.
- (f) Read and record DTCs.

HINT:

When DTCs other than CAN communication malfunction DTCs are output simultaneously, first correct the CAN communication problem, and then perform troubleshooting for other DTCs.

GO**GO TO CAN COMMUNICATION SYSTEM (See page [05-2602](#))**