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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: THEFT DETERRENT / KEYLESS ENTRY: SMART KEY SYSTEM (for Start Function): B279C95; Engine Immobiliser System Incorrect Assembly; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

DTC	B279C95	Engine Immobiliser System Incorrect Assembly
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DESCRIPTION

If a hybrid vehicle control ECU that is incompatible with the immobiliser function is installed, the hybrid vehicle control ECU will store this DTC.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY	NOTE
B279C95	Engine Immobiliser System Incorrect Assembly	A hybrid vehicle control ECU that is incompatible with the immobiliser function is installed. (1-trip detection logic*)	Hybrid vehicle control ECU	Hybrid Control	A	-

*: Only detected while a malfunction is present.

Vehicle Condition and Fail-safe Function when Malfunction Detected

VEHICLE CONDITION WHEN MALFUNCTION DETECTED	FAIL-SAFE FUNCTION WHEN MALFUNCTION DETECTED
Hybrid control system cannot be started	-

Related Data List and Active Test

DTC NO.	DATA LIST AND ACTIVE TEST
B279C95	-

CAUTION / NOTICE / HINT

NOTICE:

- When using the GTS with the ignition switch off, perform lock and unlock operations using the door control switch of the multiplex network master switch assembly at intervals of 1.5 seconds or less until communication between the GTS and the vehicle begins, and then select the vehicle model manually.

Then select Model Code "KEY REGIST" under manual mode and enter the following menus: Body Electrical / Smart Key(CAN). While using the GTS, periodically perform lock and unlock operations using the door control switch of the multiplex network master switch assembly at intervals of 1.5 seconds or less to maintain communication between the GTS and the vehicle.

- The smart key system (for Start Function) uses the LIN communication system and CAN communication system. Inspect the communication function by following How to Proceed with Troubleshooting. Troubleshoot the smart key system (for Start Function) after confirming that the communication systems are functioning properly.

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- Before replacing the hybrid vehicle control ECU, refer to Registration.

[Click here](#) **INFO**

- After performing repairs, confirm that no DTCs are output by performing "DTC Output Confirmation Operation".
- When the hybrid vehicle control ECU is replaced, update the ECU security key.

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PROCEDURE

1. REPLACE HYBRID VEHICLE CONTROL ECU

(a) Temporarily replace the hybrid vehicle control ECU with a new one.

HINT:

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NEXT ► **END (HYBRID VEHICLE CONTROL ECU WAS DEFECTIVE)**

