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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): System Malfunction Message is Displayed on the Multi-information Display; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

System Malfunction Message is Displayed on the Multi-information Display

SYSTEM DESCRIPTION

If an abnormal vehicle speed information is detected by the certification ECU (smart key ECU assembly), a system malfunction message is displayed on the multi-information display.

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 certification ECU (smart key ECU assembly), refer to Registration.

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PROCEDURE

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

Body Electrical > Smart Key > Trouble Codes

Body Electrical > Power Source Control > Trouble Codes

RESULT	PROCEED TO
DTCs are not output	A
DTC is output.	B

B **GO TO SMART KEY SYSTEM (for Entry Function)
(DIAGNOSTIC TROUBLE CODE CHART)**

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2. READ VALUE USING GTS (VEHICLE RUNNING CONDITION (LINE))

(a) Read the Data List according to the display on the GTS.

Body Electrical > Power Source Control > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Vehicle Running Condition (Line)	Vehicle being driven or stopped	Stop or Running	Stop: Vehicle stopped Running: Vehicle being driven at 5 km/h (3 mph) or more	-

Body Electrical > Power Source Control > Data List

TESTER DISPLAY
Vehicle Running Condition (Line)

OK:

The GTS display changes correctly in response to the vehicle condition.

OK ► REPLACE CERTIFICATION ECU (SMART KEY ECU ASSEMBLY)

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NG ► GO TO ELECTRONICALLY CONTROLLED BRAKE SYSTEM (HOW TO PROCEED WITH TROUBLESHOOTING)

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