

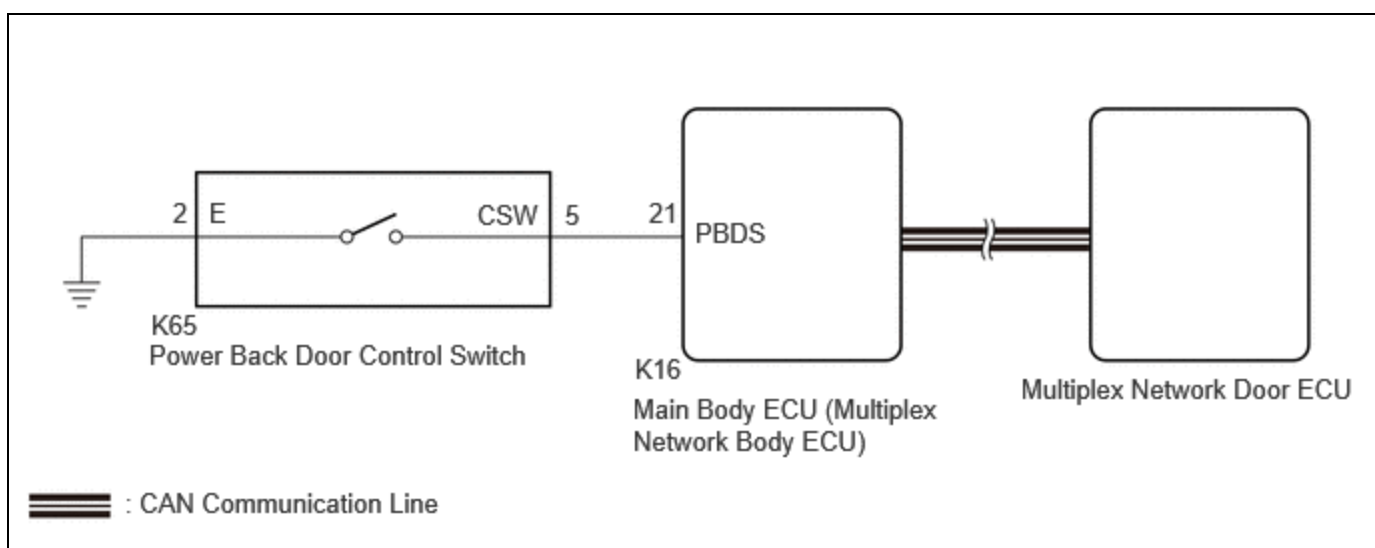
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Model Year Start: 2023	Model: Prius Prime	Prod Date Range: [12/2022 -]
Title: DOOR / HATCH: POWER BACK DOOR SYSTEM: Power Back Door does not Operate Using Cabin Switch; 2023 - 2024 MY Prius Prius Prime [12/2022 -]		

Power Back Door does not Operate Using Cabin Switch

DESCRIPTION

The power back door control switch sends a signal to the multiplex network door ECU using CAN communication via the main body ECU (multiplex network body ECU).

WIRING DIAGRAM



CAUTION / NOTICE / HINT

NOTICE:

- If the multiplex network door ECU has been replaced, or if any of the connectors has been disconnected, initialize the power back door system.

Click here [INFO](#)

- First perform the communication function inspections in How to Proceed with Troubleshooting to confirm that there are no CAN communication malfunctions before troubleshooting this problem.

Click here [INFO](#)

- The auxiliary battery supplies power to the main body ECU (multiplex network body ECU) via the integration control supply. If a main body ECU (multiplex network body ECU) power source malfunction occurs, the integration control supply may be malfunctioning.
- If the main body ECU (multiplex network body ECU) is replaced, refer to registration.

Click here [INFO](#)

PROCEDURE

1.	CHECK VEHICLE CONDITION
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(a) Operate the multi-information display in the combination meter assembly and check the customization status.

DISPLAY	DESCRIPTION	DEFAULT	SETTING	RELEVANT ECU
Power back door	Function that enables or disables the power back door operation.	ON	ON or OFF	Multiplex network door ECU

RESULT	PROCEED TO
Customization item is "ON" (power back door system operation is possible)	A
Customization item is "OFF" (power back door system operation is prohibited)	B

B ▶ PERFORM CUSTOMIZE SETTING

A
▼

2.	CHECK POWER BACK DOOR SYSTEM
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(a) Check the power back door system.

RESULT	PROCEED TO
Power back door system operates normally	A
Power back door system does not operate normally	B

B ▶ GO TO POWER BACK DOOR CANNOT BE OPERATED FREQUENTLY

A
▼

3.	READ VALUE USING GTS
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(a) Read the Data List according to the display on the GTS.

Body Electrical > Main Body > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Back Door Operation Switch (Instrument)	Power Back Door Control Switch Signal	ON or OFF	ON: Power Back Door Control Switch ON OFF: Power Back Door Control Switch OFF	-

Body Electrical > Main Body > Data List

TESTER DISPLAY
Back Door Operation Switch (Instrument)

OK:

The GTS display changes correctly in response to the switch operation.

OK ▶ REPLACE MULTIPLEX NETWORK DOOR ECU

NG



4.	INSPECT POWER BACK DOOR CONTROL SWITCH
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Click here

NG ▶ REPLACE POWER BACK DOOR CONTROL SWITCH

OK



5.	CHECK HARNESS AND CONNECTOR (POWER BACK DOOR CONTROL SWITCH - MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU) AND BODY GROUND)
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- (a) Disconnect the K65 power back door control switch connector.
- (b) Disconnect the K16 main body ECU (multiplex network body ECU) connector.
- (c) Measure the resistance according to the value(s) in the table below.

Standard Resistance:



[Click Location & Routing\(K65,K16\).](#)

[Click Connector\(K65\).](#)

[Click Connector\(K16\).](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION
K65-5 (CSW) - K16-21 (PBDS)	Always	Below 1 Ω
K65-2 (E) - Body ground	Always	Below 1 Ω
K65-5 (CSW) or K16-21 (PBDS) - Body ground	Always	10 k Ω or higher

OK **REPLACE MAIN BODY ECU (MULTIPLEX NETWORK BODY ECU)**

NG **REPAIR OR REPLACE HARNESS OR CONNECTOR**

