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<b>Model Year Start:</b> 2023	<b>Model:</b> Prius Prime	<b>Prod Date Range:</b> [12/2022 - ]
<b>Title:</b> DOOR / HATCH: POWER BACK DOOR SYSTEM: B225001; Back Door Closer General Electrical Failure; 2023 - 2024 MY Prius Prius Prime [12/2022 - ]		

<b>DTC</b>	<b>B225001</b>	<b>Back Door Closer General Electrical Failure</b>
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## DESCRIPTION

The back door closer is controlled by the multiplex network door ECU.

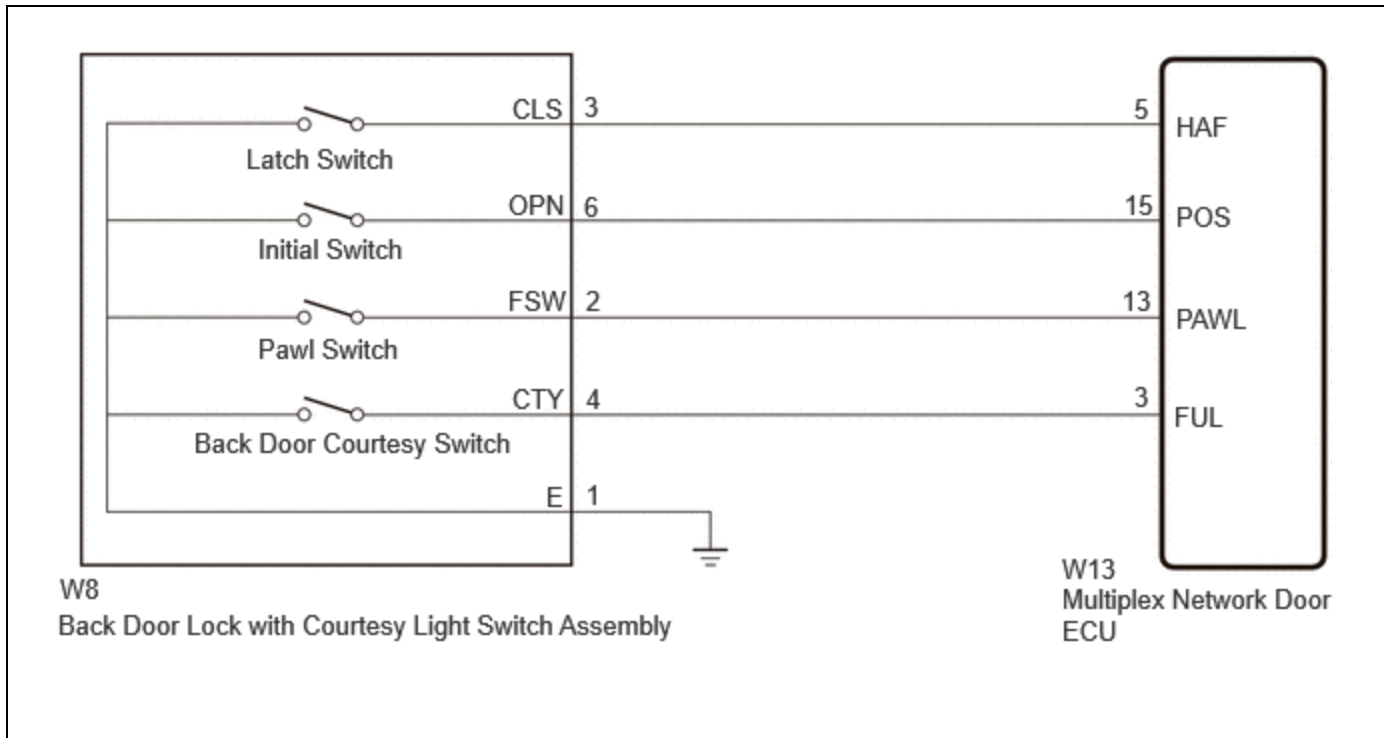
The multiplex network door ECU determines the latch position of the back door lock assembly with curtesy switch based on the combination of signals from the latch switch built into the back door lock assembly with curtesy switch, back door courtesy switch, initial switch and pawl switch.

This DTC is stored when the back door closer is operating and the initial switch signal indicates that the latch is not in the correct position within the specified amount of time.

When this DTC is output, the multiplex network door ECU suspends back door closer control and power back door control.

DTC NO.	DETECTION ITEM	DTC DETECTION CONDITION	TROUBLE AREA	DTC OUTPUT FROM	PRIORITY
B225001	Back Door Closer General Electrical Failure	While the back door closer is operating, a malfunction is detected in position information from the initial switch within a specified amount of time.	<ul style="list-style-type: none"> <li>Back door lock with courtesy light switch assembly</li> <li>Harness or connector</li> <li>Multiplex network door ECU</li> </ul>	Back Door	A

## 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](#)

## PROCEDURE

<b>1.</b>	<b>READ VALUE USING GTS</b>
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(a) Read the Data List according to the display on the GTS.

### Body Electrical > Back Door > Data List

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Closer Position Switch	Initial switch signal	ON or OFF	OFF: Back door lock sector gear out of center position (Initial switch off)	-

### Body Electrical > Back Door > Data List

TESTER DISPLAY
Closer Position Switch

RESULT	PROCEED TO
The value of Closer Position Switch is OFF	A
None of the above conditions are met	B

**B** ► GO TO STEP 3

**A**  
▼

<b>2.</b>	<b>READ VALUE USING GTS</b>
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(a) Read the Data List according to the display on the GTS.

**Body Electrical > Back Door > Data List**

TESTER DISPLAY	MEASUREMENT ITEM	RANGE	NORMAL CONDITION	DIAGNOSTIC NOTE
Closer Position Switch	Initial switch signal	ON or OFF	ON: Back door lock sector gear in center position (Initial switch on)	-

**Body Electrical > Back Door > Data List**


TESTER DISPLAY
Closer Position Switch

RESULT	PROCEED TO
The value of Closer Position Switch is ON	A
None of the above conditions are met	B

**A** ► REPLACE MULTIPLEX NETWORK DOOR ECU

**B**  
▼

**3. INSPECT BACK DOOR LOCK WITH COURTESY LIGHT SWITCH ASSEMBLY**

Click here 

**NG**  **REPLACE BACK DOOR LOCK WITH COURTESY LIGHT SWITCH ASSEMBLY**

**OK**  


**4. CHECK HARNESS AND CONNECTOR (BACK DOOR LOCK WITH COURTESY LIGHT SWITCH ASSEMBLY - MULTIPLEX NETWORK DOOR ECU AND BODY GROUND)**

Pre-procedure1

- (a) Disconnect the W8 back door lock with courtesy light switch assembly connector.
- (b) Disconnect the W13 multiplex network door ECU connector.

Procedure1

- (c) Measure the resistance according to the value(s) in the table below.

Standard Resistance:



[Click Location & Routing\(W8,W13\)](#)

[Click Connector\(W8\)](#)

[Click Connector\(W13\)](#)

TESTER CONNECTION	CONDITION	SPECIFIED CONDITION	RESULT
W8-6 (OPN) - W13-15 (POS)	Always	Below 1 Ω	Ω
W8-1 (E) - Body ground	Always	Below 1 Ω	Ω
W8-6 (OPN) or W13-15 (POS) - Body ground	Always	10 kΩ or higher	kΩ

Post-procedure1

- (d) None

**OK**  **REPLACE MULTIPLEX NETWORK DOOR ECU**

**NG**  **REPAIR OR REPLACE HARNESS OR CONNECTOR**

