

## Power Back Door Closer Switch Circuit

### DESCRIPTION

The power back door closer switch only turns on while the switch is being pressed, and turns off when the switch is released.

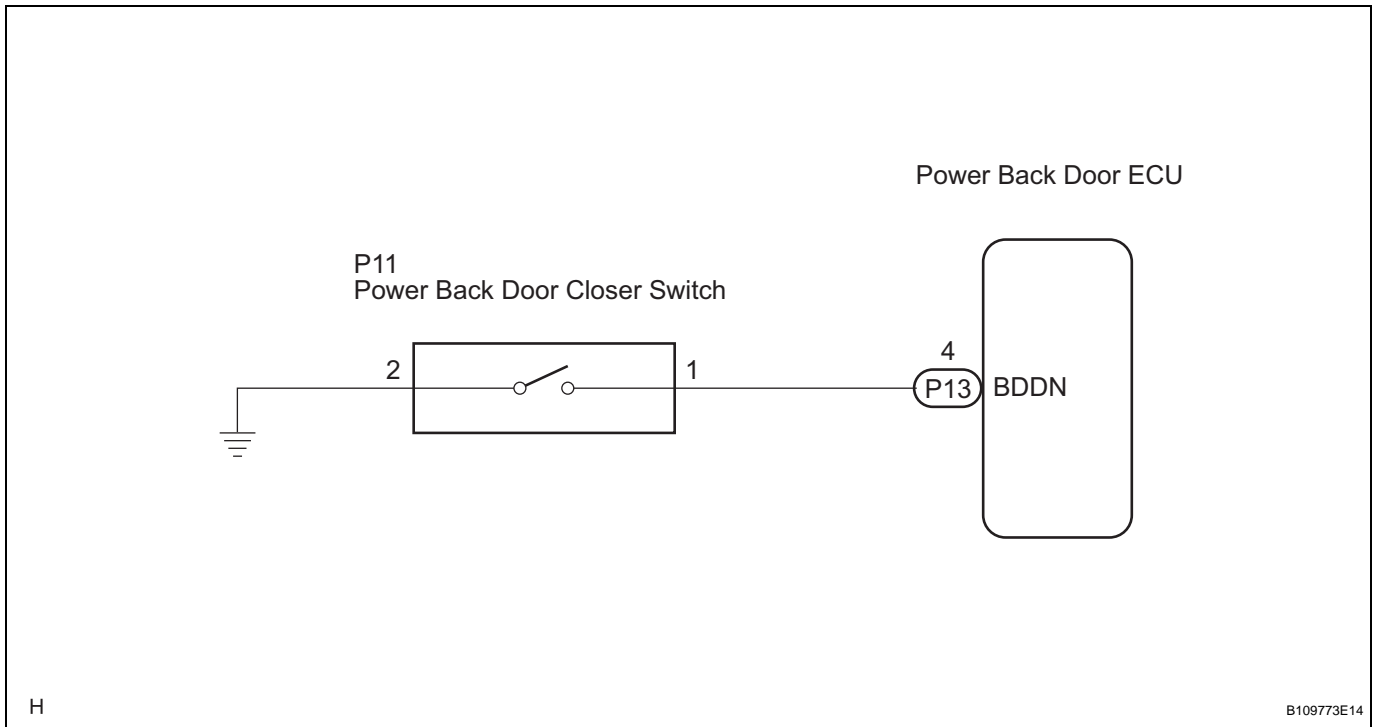
The power back door ECU is connected to the power back door closer switch via terminal BDDN and power back door operation request signals are input to the ECU.

The power back door ECU applies voltage to the power back door closer switch via terminal BDDN. When the switch is on (there is continuity between the switch terminals), a power back door close request signal is input to the power back door ECU to close the back door.

### NOTICE:

**The power back door ECU records the back door positions in the memory. In the case where any of the batteries, fuses, power back door ECU and power back door drive unit are removed and then reinstalled, the power back door ECU loses the memory of the door positions. In such a case, resetting the power back door system is necessary. Refer to the resetting operation (See page ED-6).**

### WIRING DIAGRAM



1

READ VALUE OF DATA LIST (POWER BACK DOOR CLOSER SWITCH)

- (a) Check the DATA LIST to ensure proper function of the power back door closer switch.

### BACK-DOOR (Power Back Door ECU):

Item	Measurement Item / Display (Range)	Normal Condition	Diagnostic Note
PBD CLOSER SW	Power back door closer switch signal /OFF or ON	OFF: Power back door closer switch OFF ON: Power back door closer switch ON	-

OK:

The display is as specified in the normal condition.

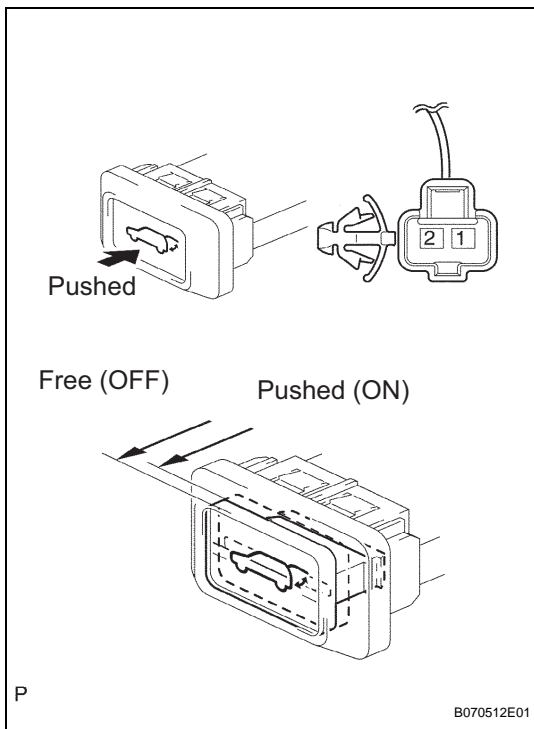
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Go to step 2

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE

**2 INSPECT POWER BACK DOOR CLOSER SWITCH ASSEMBLY**



- (a) Remove the power back door closer switch assembly.
- (b) Measure the resistance according to the value(s) in the table below.

**Standard resistance**

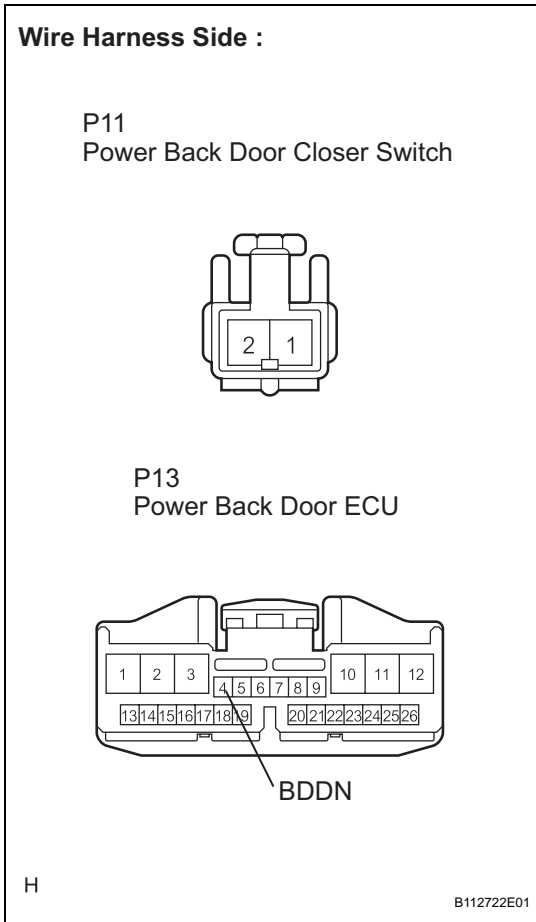
Tester Connection	Switch Position	Specified Condition
1 - 2	Pushed (ON)	Below 1 $\Omega$
1 - 2	Free (OFF)	10 k $\Omega$ or higher

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**REPLACE POWER BACK DOOR CLOSER SWITCH ASSEMBLY**

OK

**3 CHECK WIRE HARNESS (POWER BACK DOOR CLOSER SWITCH - POWER BACK DOOR ECU)**



- (a) Disconnect the power back door closer switch assembly connector.
- (b) Disconnect the power back door ECU connector.
- (c) Measure the resistance according to the value(s) in the table below.

**Standard resistance**

Tester Connection	Condition	Specified Condition
P11-1 - P13-4 (BDDN)	Always	Below 1 Ω
P11-2 - Body ground	Always	Below 1 Ω

**NG** REPAIR OR REPLACE HARNESS OR CONNECTOR

**OK**

**PROCEED TO NEXT CIRCUIT INSPECTION SHOWN IN PROBLEM SYMPTOMS TABLE**