

DTC

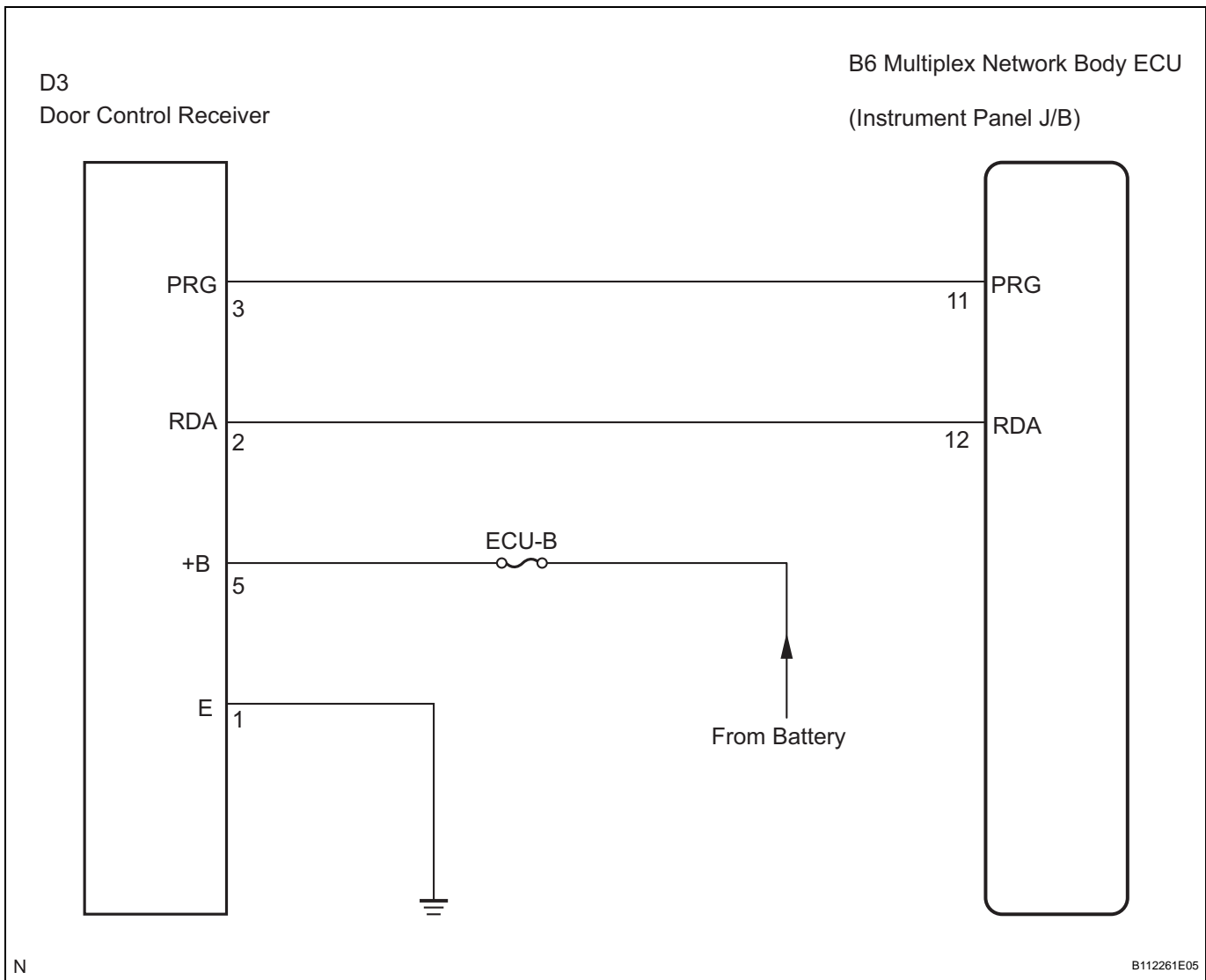
B1242

Wireless Door Lock Tuner Circuit Malfunction

**DESCRIPTION**

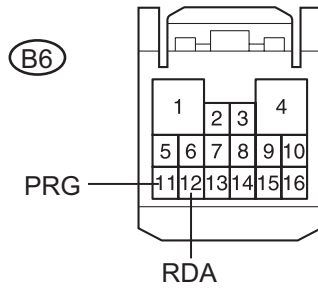
When a RDA signal is not input to the door control receiver within 1 second after the multiplex network body ECU outputs a PRG signal, this DTC is set.

DTC No.	DTC Detection Condition	Suspected Area
B1242	Within 1 second after PRG signal is output from multiplex network body ECU during self-diagnostic mode, corresponding RDA signal is not input	<ul style="list-style-type: none"> <li>• Wire harness</li> <li>• Door control receiver</li> <li>• Multiplex network body ECU</li> </ul>

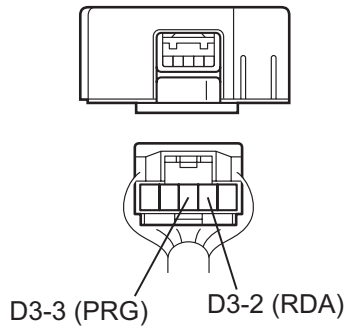
**WIRING DIAGRAM**

**1 CHECK HARNESS AND CONNECTOR (MULTIPLEX NETWORK BODY ECU - DOOR CONTROL RECEIVER)**

**Multiplex Network Body ECU (Wire Harness Side) Connector Front View:**



**Door Control Receiver Wire Harness View:**



N

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- (a) Disconnect the multiplex network body ECU (B6) connector and door control receiver connector.
- (b) Measure the resistance according to the value(s) in the table below.

**Resistance**

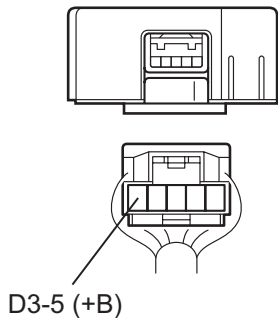
Tester Connection	Condition	Specified Condition
B6-11 (PRG) - D3-3 (PRG)	Always	Below 1 Ω
B6-11 (PRG) - Body ground	Always	10 kΩ or higher
B6-12 (RDA) - D3-2 (RDA)	Always	Below 1 Ω
B6-12 (RDA) - Body ground	Always	10 kΩ or higher

**NG**

**REPAIR OR REPLACE HARNESS OR CONNECTOR**

**OK**

**DL**

**2 INSPECT DOOR CONTROL RECEIVER (+B TERMINAL)****Door Control Receiver  
Wire Harness View:**

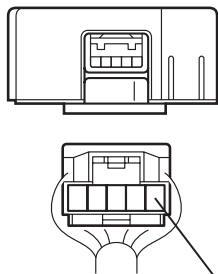
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- (a) Measure the voltage according to the value(s) in the table below.

**Voltage**

Tester Connection	Condition	Specified Condition
D3-5 (+B) - Body ground	Always	10 to 14 V

**NG****REPAIR OR REPLACE HARNESS OR  
CONNECTOR (+B CIRCUIT)****OK****3 INSPECT DOOR CONTROL RECEIVER (E TERMINAL)****Door Control Receiver  
Wire Harness View:**

N

B110074E05

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

**Resistance**

Tester Connection	Condition	Specified Condition
D3-1 (E) - Body ground	Always	Below 1 $\Omega$

**NG****REPAIR OR REPLACE HARNESS OR  
CONNECTOR (E CIRCUIT)****OK****4 REPLACE DOOR CONTROL RECEIVER**

- Reconnect the multiplex network body ECU connector.
- Replace the door control receiver.
- Perform the REGISTRATION procedures (See page [DL-66](#)).

## HINT:

If there is a new door control receiver or one functioning normally available, connect it and check if the wireless door lock function is normal or the DTC is output. If the alternative receiver functions normally, replace the original door control receiver.

NEXT

**5** RECHECK DTC

- (a) Clear the DTC (See page [DL-78](#)).
- (b) Check if the same DTC is detected.

## HINT:

Reinstall the sensors, connector, etc. and restore the vehicle to its previous condition before rechecking for DTCs.

## Result

Condition	Proceed To
DTC (B1242) is output	A
DTC (B1242) is not output	B

B

END

A

DL

REPLACE MULTIPLEX NETWORK BODY ECU