

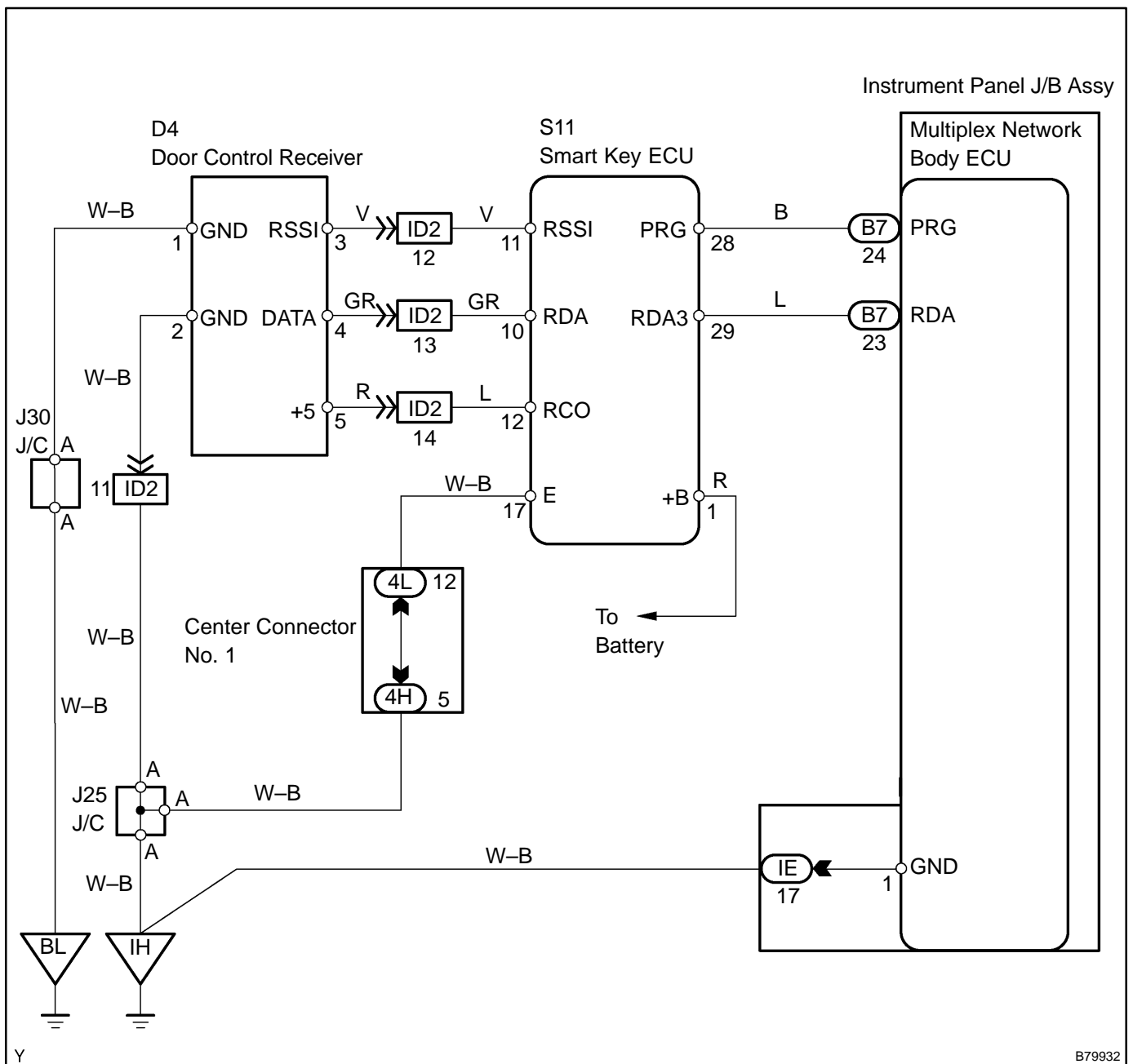
<b>DTC</b>	<b>B1242</b>	<b>WIRELESS DOOR LOCK TUNER CIRCUIT MALFUNCTION</b>
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**CIRCUIT DESCRIPTION**

This DTC is detected when a RDA signal is not input to the door control receiver through the smart key ECU within 1 second after the multiplex network body ECU outputs a PRG signal.

DTC No.	DTC Detection Condition	Trouble 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>• Door control receiver</li> <li>• Wire harness</li> <li>• Smart key ECU</li> <li>• Multiplex network body ECU</li> </ul>

**WIRING DIAGRAM**

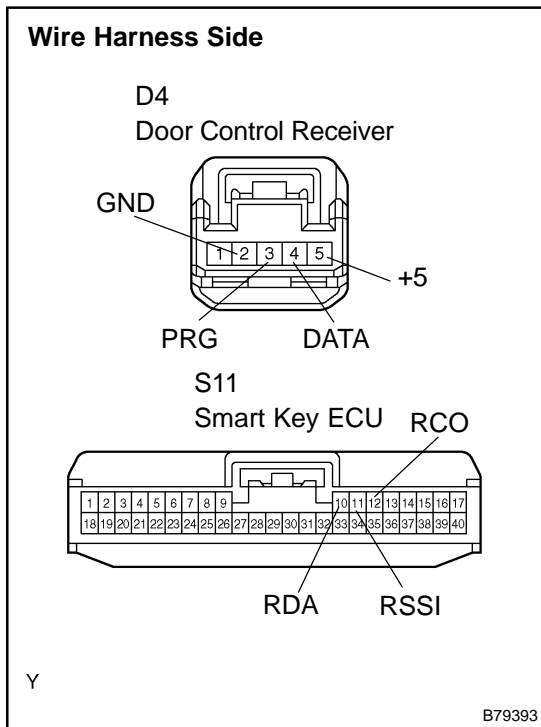


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B79932

## INSPECTION PROCEDURE

### 1 CHECK WIRE HARNESS (DOOR CONTROL RECEIVER – SMART KEY ECU) (DOOR CONTROL RECEIVER OR SMART KEY ECU – BODY GROUND)



- Disconnect the S11 ECU connector.
- Disconnect the D4 receiver connector.
- Measure the voltage and resistance of the wire harness side connectors.

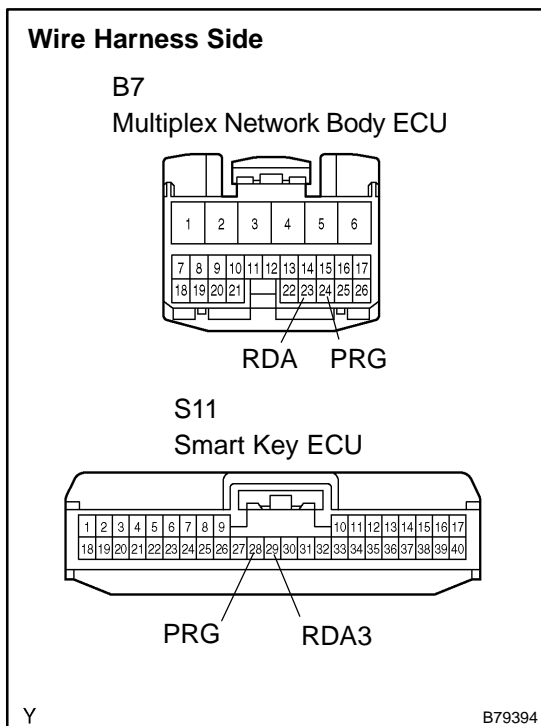
**Standard:**

Tester Connection	Specified Condition
D4-4 (DATA) – S11-10 (RDA)	Below 1 Ω
D4-3 (PRG) – S11-11 (RSSI)	Below 1 Ω
D4-5 (+5) – S11-12 (RCO)	Below 1 Ω
D4-2 (GND) – Body ground	Below 1 Ω
D4-4 (DATA) or S11-10 (RDA) – Body ground	10 kΩ or higher
D4-3 (RSSI) or S11-11 (RSSI) – Body ground	10 kΩ or higher

**NG** REPAIR OR REPLACE WIRE HARNESS AND CONNECTOR

**OK**

### 2 CHECK WIRE HARNESS (SMART KEY ECU – MULTIPLEX NETWORK BODY ECU) (SMART KEY ECU OR MULTIPLEX NETWORK BODY ECU – BODY GROUND)



- Disconnect the S11 ECU connector.
- Disconnect the B7 ECU connector.
- Measure the resistance of the wire harness side connectors.

**Standard:**

Tester Connection	Specified Condition
S11-29 (RDA3) – B7-23 (RDA)	Below 1 Ω
S11-28 (PRG) – B7-24 (PRG)	Below 1 Ω
S11-29 (RDA3) or B7-23 (RDA) – Body ground	10 kΩ or higher
S11-28 (PRG) or B7-24 (PRG) – Body ground	10 kΩ or higher

**NG** REPAIR OR REPLACE WIRE HARNESS AND CONNECTOR

**OK**

**3 REPLACE DOOR CONTROL RECEIVER**

(a) Check that no DTC is DTC is output.

**OK: DTC is not output.**

**NG**

**REPLACE INSTRUMENT PANEL JUNCTION  
BLOCK ASSY**

**OK**

**REPLACE SMART KEY ECU**