

<b>DTC</b>	<b>B0121/26</b>	<b>SEAT BELT BUCKLE SWITCH (RH) MALFUNCTION</b>
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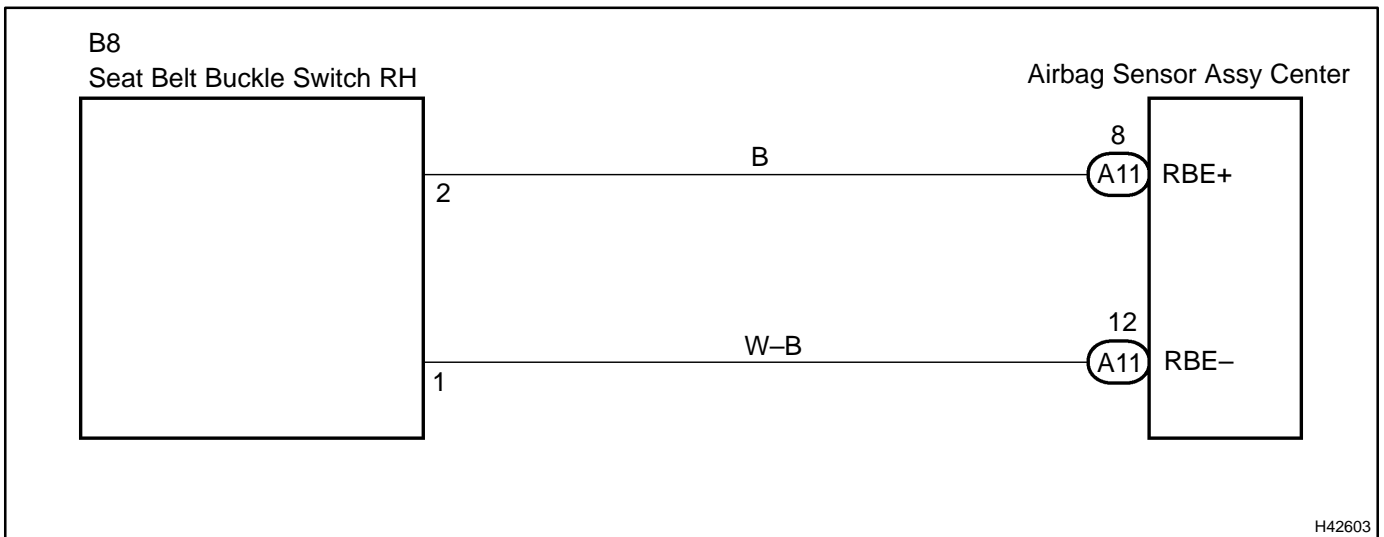
### CIRCUIT DESCRIPTION

The seat belt buckle switch RH circuit consists of the airbag sensor assy center and the front seat inner belt assy RH (seat belt buckle switch RH).

DTC B0121/26 is recorded when a malfunction is detected in the seat belt buckle switch RH circuit.

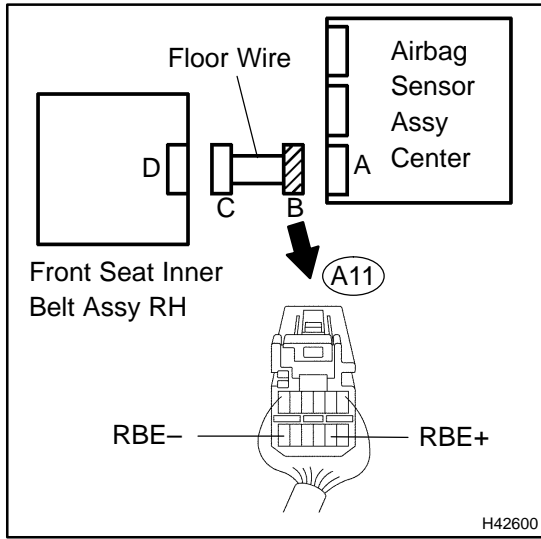
DTC No.	DTC Detecting Condition	Trouble Area
B0121/26	<ul style="list-style-type: none"> <li>• Short circuit in seat belt buckle switch RH wire harness (to ground)</li> <li>• Short circuit in seat belt buckle switch RH wire harness (to B+)</li> <li>• Seat belt buckle switch RH malfunction</li> <li>• Airbag sensor assy center</li> </ul>	<ul style="list-style-type: none"> <li>• Front seat inner belt assy RH (Seat belt buckle switch RH)</li> <li>• Airbag sensor assy center</li> <li>• Floor wire</li> </ul>

### WIRING DIAGRAM



# INSPECTION PROCEDURE

## 1 CHECK FLOOR WIRE(TO B+)



- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Disconnect the connectors from the airbag sensor assy center and the front seat inner belt assy RH.
- (d) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (e) Measure the voltage according to the value(s) in the table below.

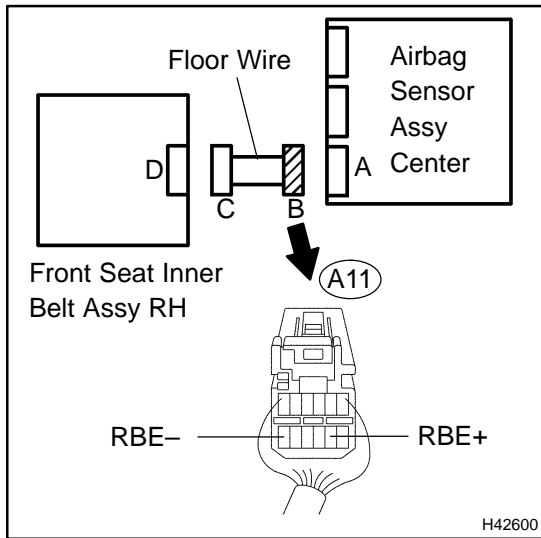
**Standard:**

Tester connection (Connector "B")	Condition	Specified condition
A11-8 (RBE+) - Body ground	Ignition switch ON	Below 1 V
A11-12 (RBE-) - Body ground	Ignition switch ON	Below 1 V

**NG** REPAIR OR REPLACE FLOOR WIRE

**OK**

## 2 CHECK FLOOR WIRE(TO GROUND)



- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Measure the resistance according to the value(s) in the table below.

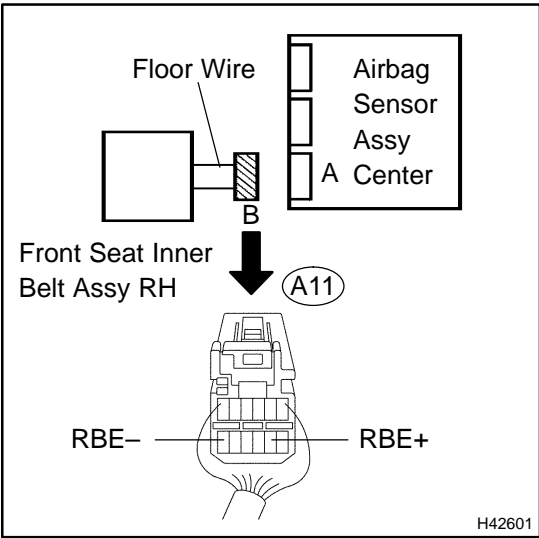
**Standard:**

Tester connection (Connector "B")	Condition	Specified condition
A11-8 (RBE+) - Body ground	Always	1 MΩ or Higher
A11-12 (RBE-) - Body ground	Always	1 MΩ or Higher

**NG** REPAIR OR REPLACE FLOOR WIRE

**OK**

**3 CHECK FRONT SEAT INNER BELT ASSY RH**



- (a) Connect the connector to the front seat inner belt assy RH.
- (b) Unlock the seat belt at the front seat RH.
- (c) Measure the resistance according to the value(s) in the table below.

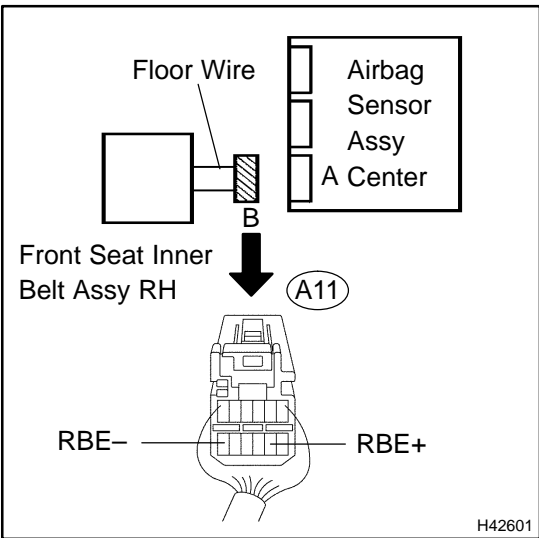
**Standard:**

Tester connection (Connector "B")	Condition	Specified condition
A11-8 (RBE+) - A11-12 (RBE-)	Unlock seat belt	100 Ω to 500 Ω

**NG** → REPLACE FRONT SEAT INNER BELT ASSY RH

**OK**

**4 CHECK FRONT SEAT INNER BELT ASSY RH**



- (a) Lock the seat belt at the front seat RH.
- (b) Measure the resistance according to the value(s) in the table below.

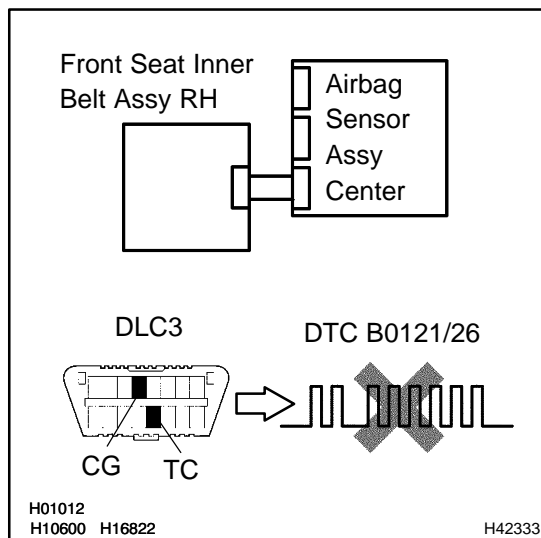
**Standard:**

Tester connection (Connector "B")	Condition	Specified condition
A11-8 (RBE+) - A11-12 (RBE-)	Lock seat belt	1.0 kΩ to 1.6 kΩ

**NG** → REPLACE FRONT SEAT INNER BELT ASSY RH

**OK**

## 5 CHECK AIR BAG SENSOR ASSY CENTER



- (a) Connect the connector to the airbag sensor assy center.
- (b) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (c) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (d) Clear the stored DTCs in the memory (See page [05-453](#)).
- (e) Turn the ignition switch to the LOCK position.
- (f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (g) Check the DTCs (See page [05-453](#)).

**OK:**

**DTC B0121/26 is not output.**

**HINT:**

Codes other than code B0121/26 may be output at this time, but they are not related to this check.

**NG**

**REPLACE AIR BAG SENSOR ASSY CENTER**

**OK**

**USE SIMULATION METHOD TO CHECK**