

DTC	B1655/37	SEAT BELT BUCKLE SWITCH (D SEAT SIDE) MALFUNCTION
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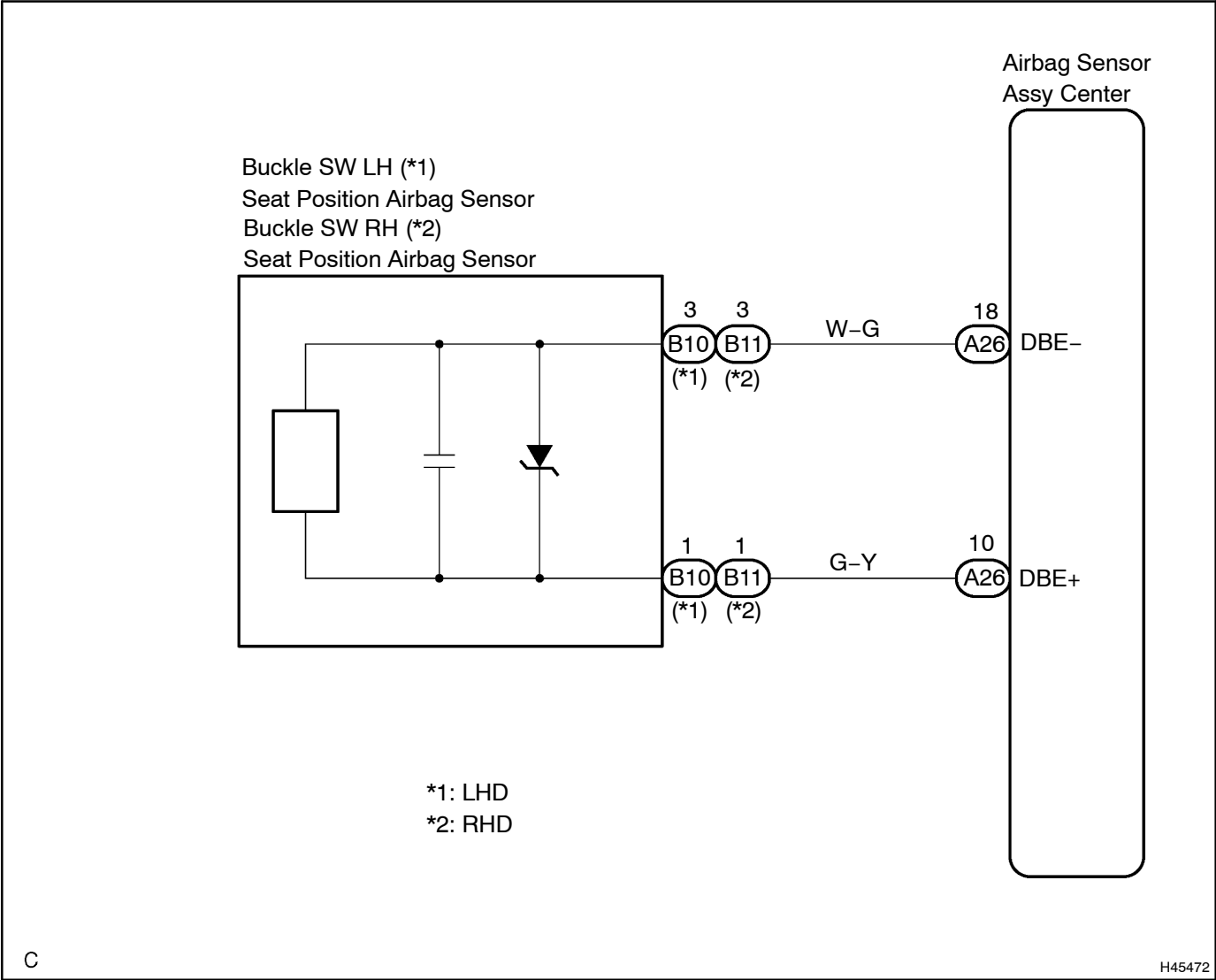
CIRCUIT DESCRIPTION

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

DTC B1655/37 is recorded when a malfunction is detected in the seat belt buckle switch LH circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B1655/37	<ul style="list-style-type: none">•The airbag sensor assy center receives a line short circuit signal, an open circuit signal, a short circuit to ground signal or a short circuit to B+ signal in the seat belt buckle switch (D seat side) circuit for 2 seconds.•Seat belt buckle switch (D seat side) malfunction•Airbag sensor assy center malfunction	<ul style="list-style-type: none">•Front seat inner belt assy LH (LHD)•Front seat inner belt assy RH (RHD)•Airbag sensor assy center•Floor wire

WIRING DIAGRAM



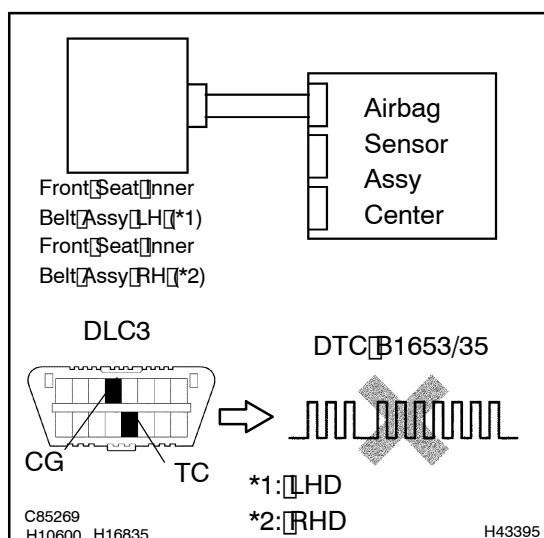
INSPECTION PROCEDURE

CAUTION:

Be sure to perform the following procedures before troubleshooting to avoid unexpected airbag deployment.

- Turn the ignition switch to the LOCK position.
- Disconnect the negative (–) terminal cable from the battery, and wait for at least 90 seconds.
- Disconnect the connectors from the airbag sensor Assy center.
- Disconnect the connectors from the horn button Assy.
- Disconnect the connectors from the front passenger airbag Assy.
- Disconnect the connector from the front seat airbag Assy LH.
- Disconnect the connector from the front seat airbag Assy RH.
- w/ Curtain shield airbag:
Disconnect the connector from the curtain shield airbag Assy LH.
- w/ Curtain shield airbag:
Disconnect the connector from the curtain shield airbag Assy RH.
- Disconnect the connector from the front seat outer belt Assy LH.
- Disconnect the connector from the front seat outer belt Assy RH.

1 CHECK DTC



- Connect the connectors to the airbag sensor Assy center.
- Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Clear the DTCs stored in memory (see page 05-16).
- Turn the ignition switch to the LOCK position.
- Turn the ignition switch to the ON position and wait for at least 60 seconds.
- Check the DTCs (see page 05-16).

OK:

DTC B1655/37 is not output.

HINT:

Codes other than code B1653/35 may be output at this time, but they are not related to this check.

NG

Go to step 2

OK

USE SIMULATION METHOD TO CHECK (SEE PAGE 05-10)

2 CHECK CONNECTION OF CONNECTORS

- (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) LHD:
Check that the connectors are properly connected to the airbag sensor assy center and the front seat inner belt assy LH.
- (d) RHD:
Check that the connectors are properly connected to the airbag sensor assy center and the front seat inner belt assy RH.

OK:

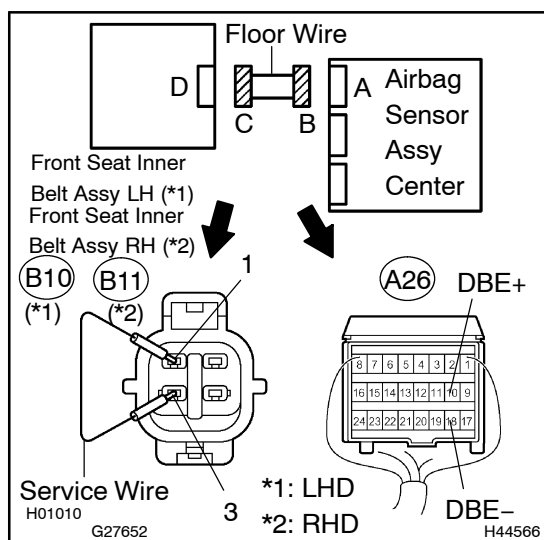
The connectors are connected.

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CONNECT CONNECTORS, THEN GO TO STEP 1

OK

3 CHECK FLOOR WIRE (OPEN)



- (a) LHD:
Disconnect the connectors from the airbag sensor assy center and the front seat inner belt assy LH.
- (b) RHD:
Disconnect the connectors from the airbag sensor assy center and the front seat inner belt assy RH.
- (c) LHD:
Using a service wire, connect B10-1 and B10-3 of connector "C".
- (d) RHD:
Using a service wire, connect B11-1 and B11-3 of connector "C".

NOTICE:

Do not forcibly insert a service wire into the terminals of the connector when connecting.

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

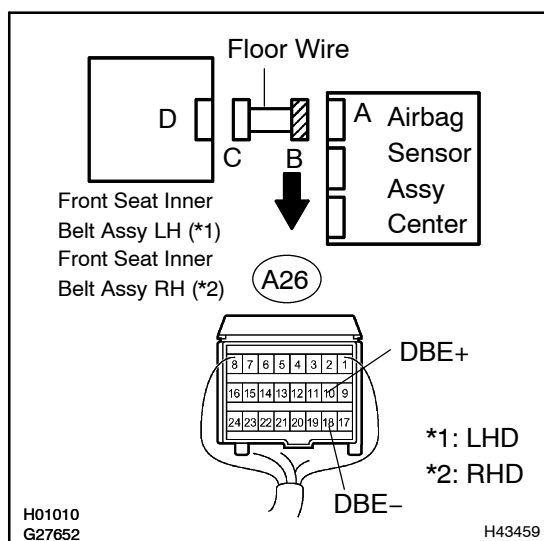
Standard:

Tester connection	Condition	Specified condition
A26-10 (DBE+) - A26-18 (DBE-)	Always	Below 1 Ω

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REPAIR OR REPLACE FLOOR WIRE

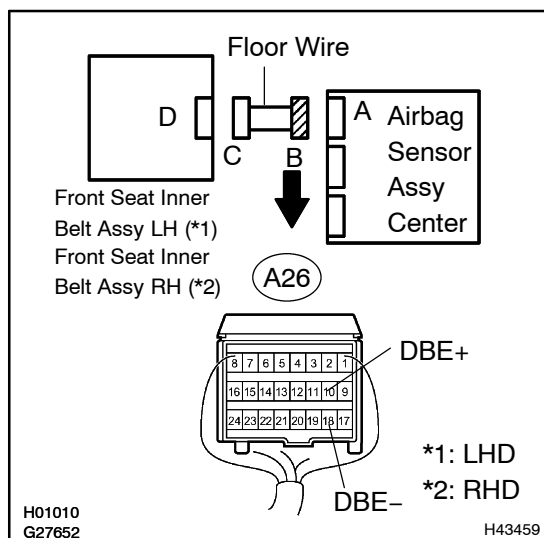
OK

4 CHECK FLOOR WIRE (SHORT)

- Disconnect the service wire from connector "C".
- Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A26-10 (DBE+) - A26-18 (DBE-)	Always	1 MΩ or Higher

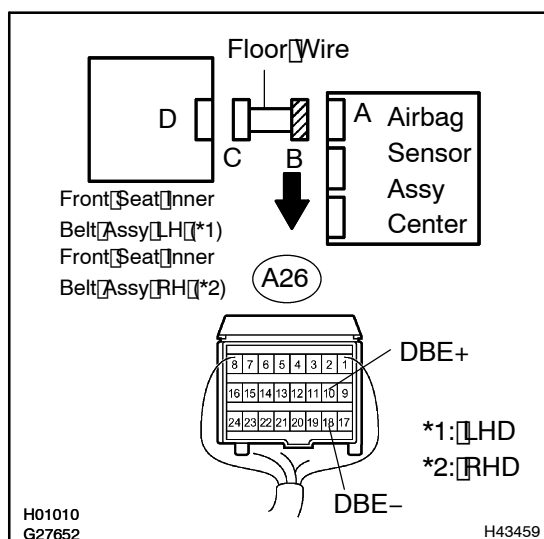
NG**REPAIR OR REPLACE FLOOR WIRE****OK****5 CHECK FLOOR WIRE (TO B+)**

- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the ignition switch to the ON position.
- Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A26-10 (DBE+) - Body ground	Ignition switch ON	Below 1 V
A26-18 (DBE-) - Body ground	Ignition switch ON	Below 1 V

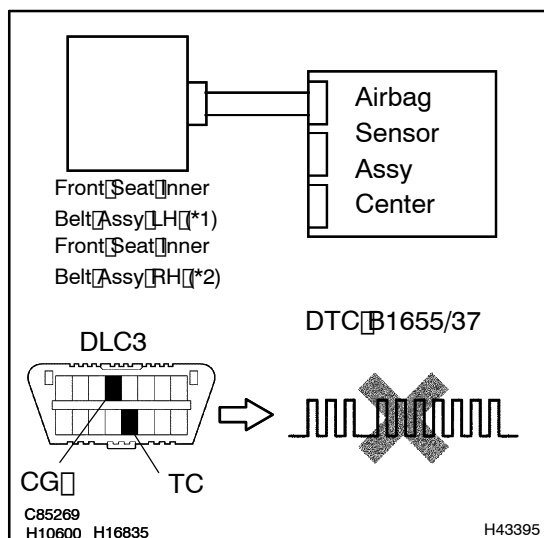
NG**REPAIR OR REPLACE FLOOR WIRE****OK**

6 CHECK FLOOR WIRE (TO GROUND)

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

Standard:

Tester connection	Condition	Specified condition
A26-10 (DBE+) - Body ground	Always	1 MΩ or Higher
A26-18 (DBE-) - Body ground	Always	1 MΩ or Higher

NG**REPAIR OR REPLACE FLOOR WIRE****OK****7 CHECK SEAT BELT BUCKLE SWITCH (D SEAT SIDE)**

- LHD:
Connect the connectors to the airbag sensor assy center and the front seat inner belt assy LH.
- RHD:
Connect the connectors to the airbag sensor assy center and the front seat inner belt assy RH.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Clear the DTCs stored in memory (see page 05-16).
- Turn the ignition switch to the LOCK position.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Check the DTCs (see page 05-16).

OK:**DTC B1655/37 is not output.****HINT:**

Codes other than code B1655/37 may be output at this time, but they are not related to this check.

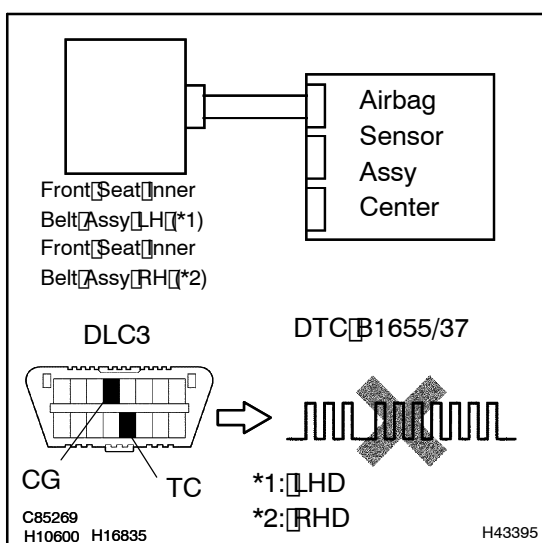
NG**Go to step 8****OK****USE SIMULATION METHOD TO CHECK (SEE PAGE 05-10)**

8 REPLACE SEAT BELT BUCKLE SWITCH (D SEAT SIDE)

- (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) LHD:
Replace the front seat inner belt Assy LH (see page 72-4 and 72-18)
- (d) RHD:
Replace the front seat inner belt Assy RH (see page 72-4 and 72-18)

HINT:

Perform the inspection using parts from a normal vehicle if possible.

NEXT**9 CHECK AIR BAG SENSOR ASSY CENTER**

- (a) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (b) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (c) Clear the DTCs stored in memory (see page 05-16)
- (d) Turn the ignition switch to the LOCK position.
- (e) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (f) Check the DTCs (see page 05-16)

OK:**DTC B1655/37 is not output.**

HINT:

Codes other than code B1655/37 may be output at this time, but they are not related to this check.

NG**REPLACE AIR BAG SENSOR ASSY CENTER (SEE PAGE 60-40)****OK****END**