

<b>DTC</b>	<b>B1655/37</b>	<b>SEAT BELT BUCKLE SWITCH (D SEAT SIDE) MALFUNCTION</b>
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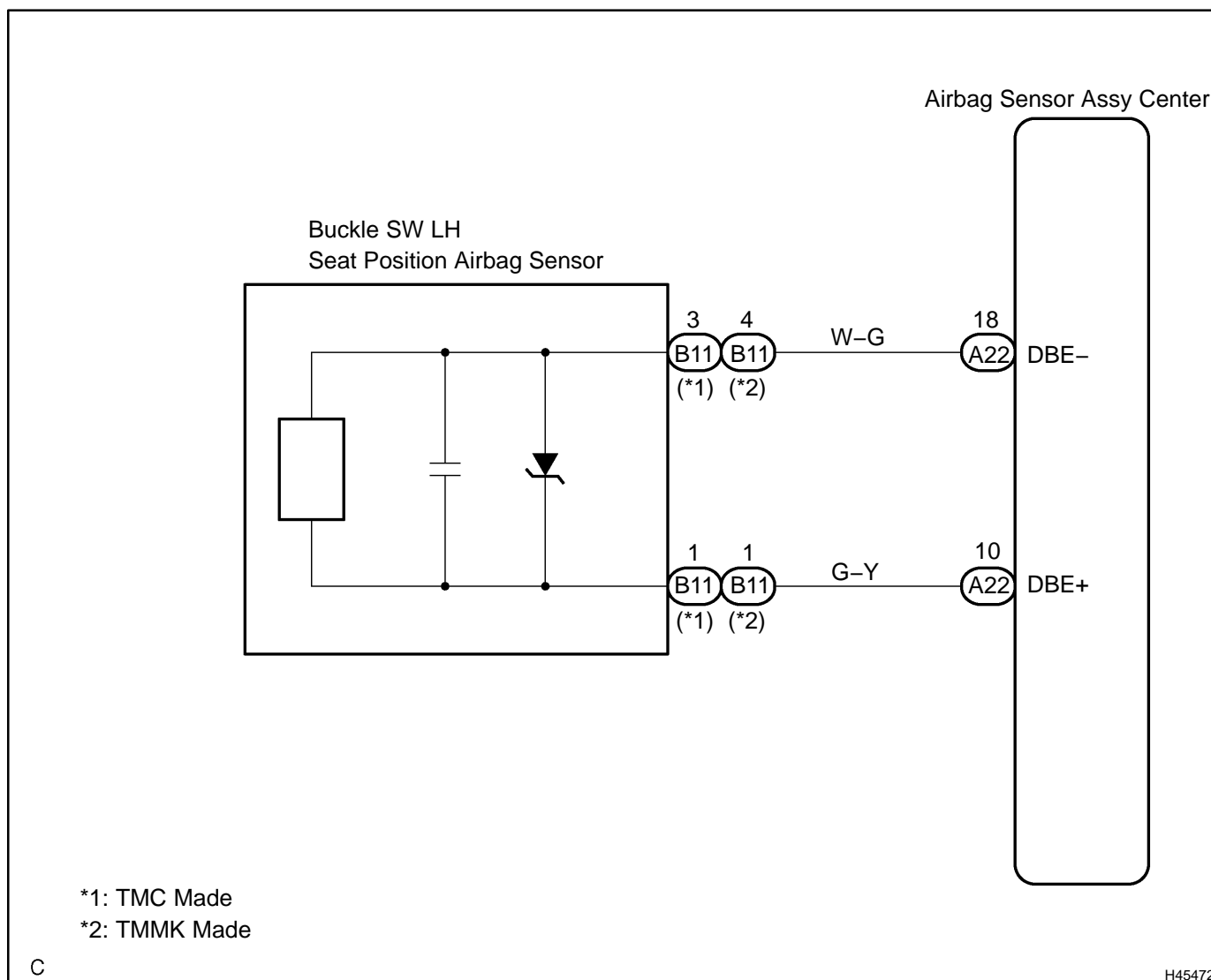
## CIRCUIT DESCRIPTION

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

DTC B1655/37 is recorded when a malfunction is detected in the seat belt buckle switch (D seat side) circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B1655/37	<ul style="list-style-type: none"> <li>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.</li> <li>Seat belt buckle switch (D seat side) malfunction</li> <li>Airbag sensor assy center malfunction</li> </ul>	<ul style="list-style-type: none"> <li>Front seat inner belt assy LH</li> <li>Airbag sensor assy center</li> <li>Floor wire</li> </ul>

## WIRING DIAGRAM



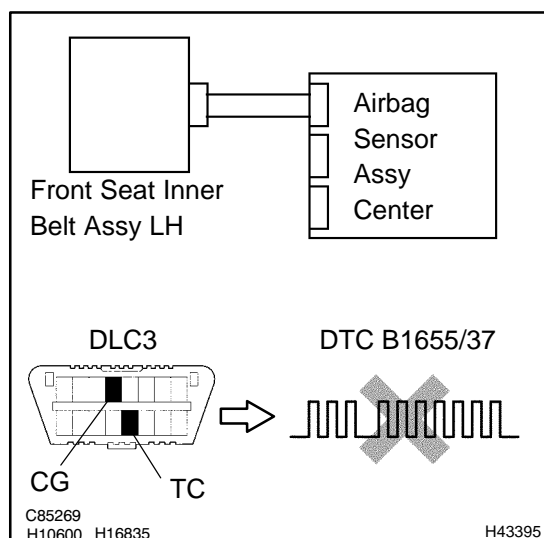
## INSPECTION PROCEDURE

### CAUTION:

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

- (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.
- (d) Disconnect the connectors from the horn button assy.
- (e) Disconnect the connectors from the front passenger airbag assy.
- (f) w/ Side airbag:  
Disconnect the connector from the front seat airbag assy LH.
- (g) w/ Side airbag:  
Disconnect the connector from the front seat airbag assy RH.
- (h) w/ Curtain shield airbag:  
Disconnect the connector from the curtain shield airbag assy LH.
- (i) w/ Curtain shield airbag:  
Disconnect the connector from the curtain shield airbag assy RH.
- (j) Disconnect the connector from the front seat outer belt assy LH.
- (k) Disconnect the connector from the front seat outer belt assy RH.

### 1 CHECK DTC



- (a) Connect the connectors 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 DTCs stored in memory (see page 05-1464).
- (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 05-1464).

**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 05-1456)**

## 2 CHECK CONNECTION OF CONNECTORS

- Turn the ignition switch to the LOCK position.
- Disconnect the negative (–) terminal cable from the battery, and wait for at least 90 seconds.
- Check that the connectors are properly connected to the airbag sensor assy center and the front seat inner belt assy LH.

**OK:**

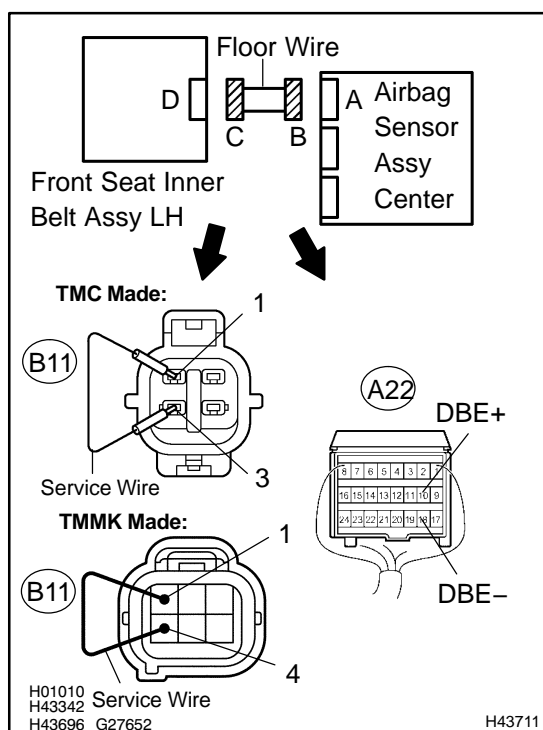
The connectors are connected.

**NG**

**CONNECT CONNECTORS, THEN GO TO STEP 1**

**OK**

## 3 CHECK FLOOR WIRE (OPEN)



- Disconnect the connectors from the airbag sensor assy center and the front seat inner belt assy LH.
- TMC Made:  
Using a service wire, connect B11-1 and B11-3 of connector "C".
- TMMK Made:  
Using a service wire, connect B11-1 and B11-4 of connector "C".

**NOTICE:**

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

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

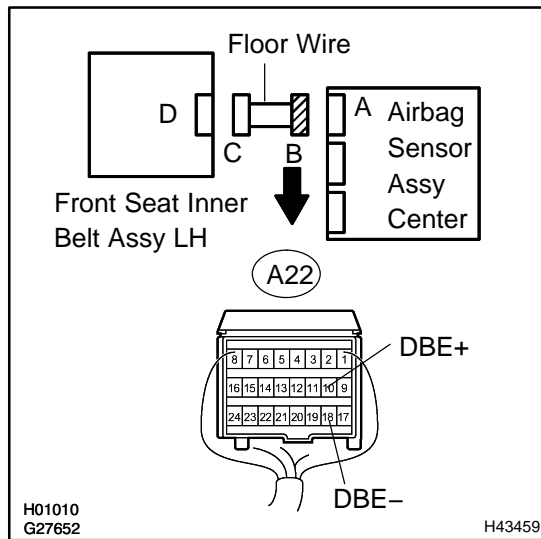
**Standard:**

Tester connection	Condition	Specified condition
A22-10 (DBE+) – A22-18 (DBE-)	Always	Below 1 $\Omega$

**NG**

**REPAIR OR REPLACE FLOOR WIRE**

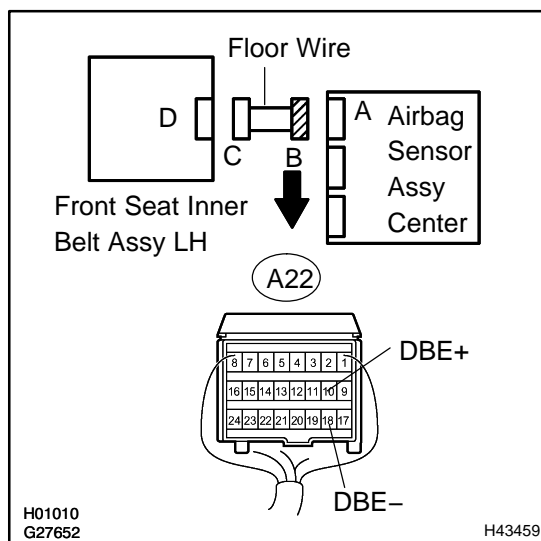
**OK**

**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
A22-10 (DBE+) – A22-18 (DBE-)	Always	1 MΩ or Higher

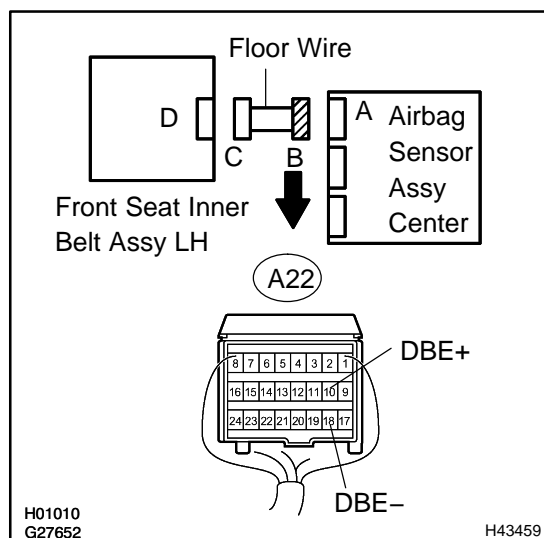
**NG****REPAIR OR REPLACE FLOOR WIRE****OK****5 CHECK FLOOR WIRE (TO B+)**

- 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
A22-10 (DBE+) – Body ground	Ignition switch ON	Below 1 V
A22-18 (DBE-) – Body ground	Ignition switch ON	Below 1 V

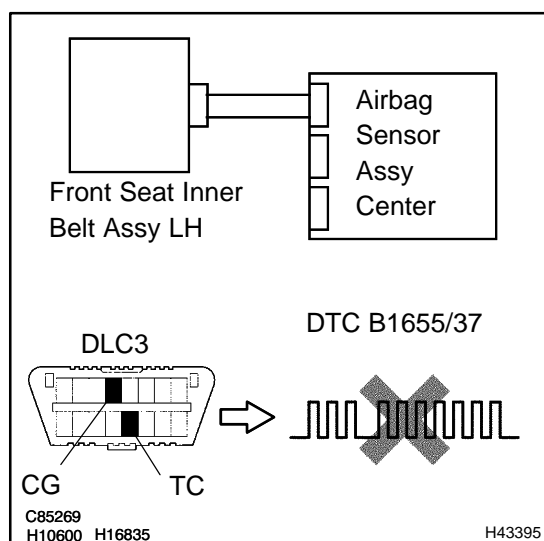
**NG****REPAIR OR REPLACE FLOOR WIRE****OK**

**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
A22–10 (DBE+) – Body ground	Always	1 MΩ or Higher
A22–18 (DBE–) – Body ground	Always	1 MΩ or Higher

**NG****REPAIR OR REPLACE FLOOR WIRE****OK****7 CHECK FRONT SEAT INNER BELT ASSY LH**

- Connect the connectors to the airbag sensor assy center.
- Connect the connector to the front seat inner belt assy LH.
- 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 05-1464).
- 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 05-1464).

**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 05-1456)**

## 8 REPLACE FRONT SEAT INNER BELT ASSY LH

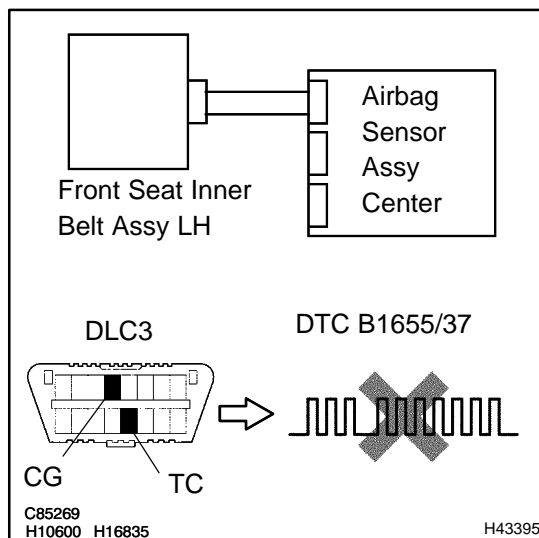
- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Replace the front seat inner belt assy LH (see page 61-5).

HINT:

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

**NEXT**

## 9 CHECK AIR BAG 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 05-1464).
- 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 05-1464).

**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 60-59)**

**OK**

**END**