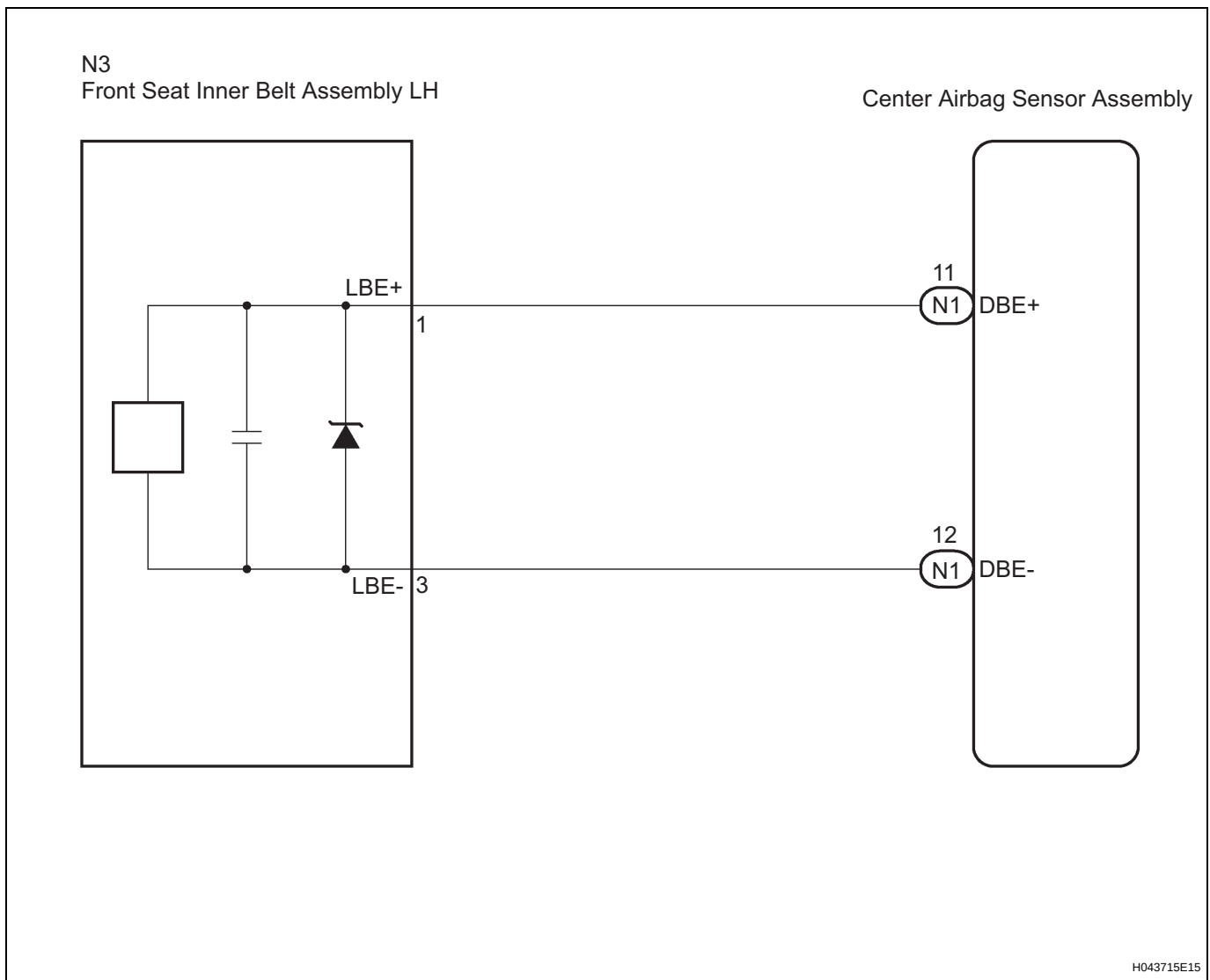


DTC**B1655/37****Driver Side Seat Belt Buckle Switch Circuit Malfunction****DESCRIPTION**

The driver side seat belt buckle switch circuit consists of the center airbag sensor assembly and the front seat inner belt assembly LH.

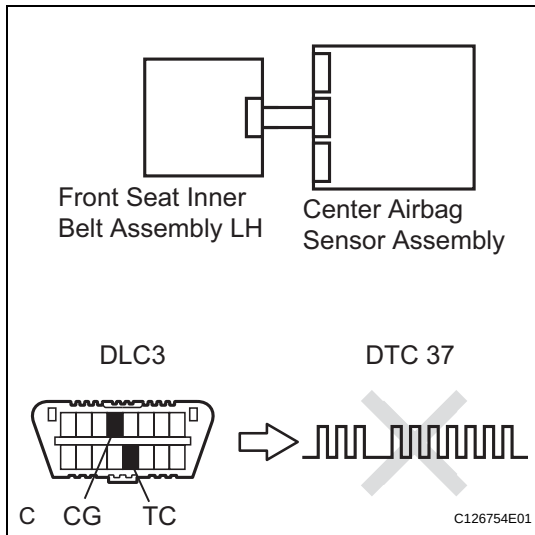
DTC B1655/37 is recorded when a malfunction is detected in the driver side seat belt buckle switch circuit.

DTC No.	DTC Detection Condition	Trouble Area
B1655/37	- The center airbag sensor assembly 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 driver side seat belt buckle switch circuit for 2 seconds. - Front seat inner belt assembly LH malfunction - Center airbag sensor assembly malfunction	- Floor wire - Front seat inner belt assembly LH (Driver side seat belt buckle switch) - Center airbag sensor assembly

WIRING DIAGRAM

INSPECTION PROCEDURE

1 CHECK DTC



- (a) Turn the power switch on (IG), and wait for at least 60 seconds.
- (b) Clear the DTCs stored in the memory (See page RS-41).
- (c) Turn the power switch off.
- (d) Turn the power switch on (IG), and wait for at least 60 seconds.
- (e) Check the DTCs (See page RS-44).

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

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

OK

USE SIMULATION METHOD TO CHECK (See page RS-33)

NG

2 CHECK CONNECTION OF CONNECTORS

- (a) Turn the power switch off.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Check that the connectors are properly connected to the center airbag sensor assembly and front seat inner belt assembly LH.

OK:**The connectors are properly connected.****NG**

CONNECT CONNECTORS PROPERLY, THEN GO TO STEP 1

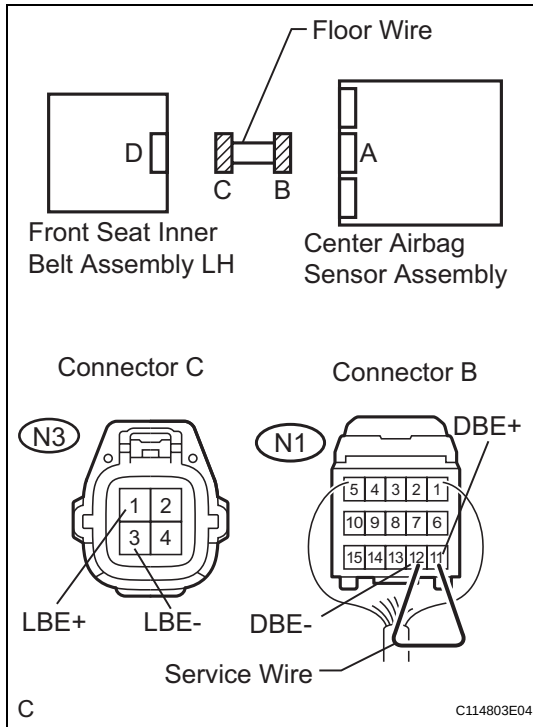
OK

3 CHECK CONNECTORS

- (a) Disconnect the connectors from the center airbag sensor assembly and the front seat inner belt assembly LH.
- (b) Check that the connectors (on the center airbag sensor assembly side and front seat inner belt assembly LH side) are not damaged.

OK:**The connectors are not deformed or damaged.****NG**

REPAIR OR REPLACE FLOOR WIRE

4 CHECK FLOOR WIRE (OPEN)

- (a) Using a service wire, connect terminals 11 (DBE+) and 12 (DBE-) of connector B.

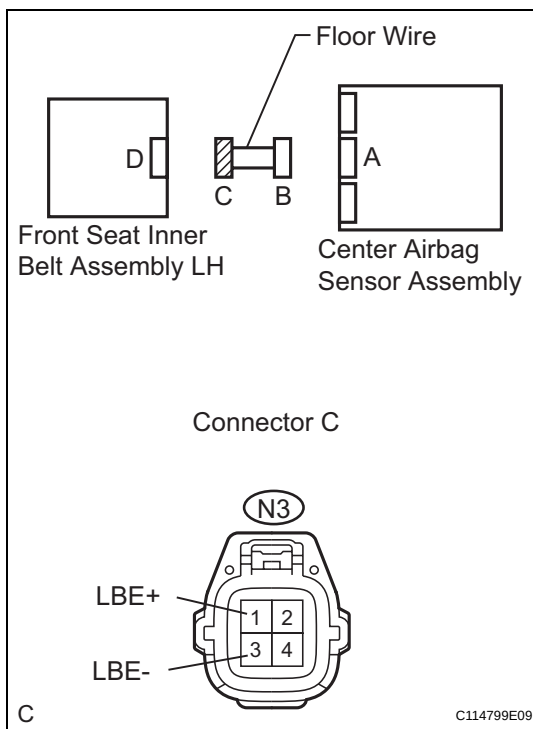
NOTICE:

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

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

Standard resistance

Tester Connection	Condition	Specified Condition
N3-1 (LBE+) - N3-3 (LBE-)	Always	Below 1 Ω

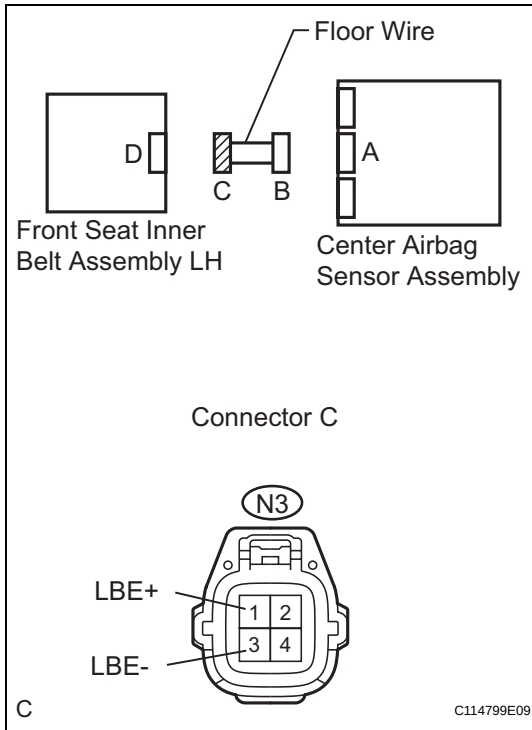
NG**REPAIR OR REPLACE FLOOR WIRE****OK****5 CHECK FLOOR WIRE (SHORT)**

- (a) Disconnect the service wire from connector B.
- (b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
N3-1 (LBE+) - N3-3 (LBE-)	Always	1 M Ω or higher

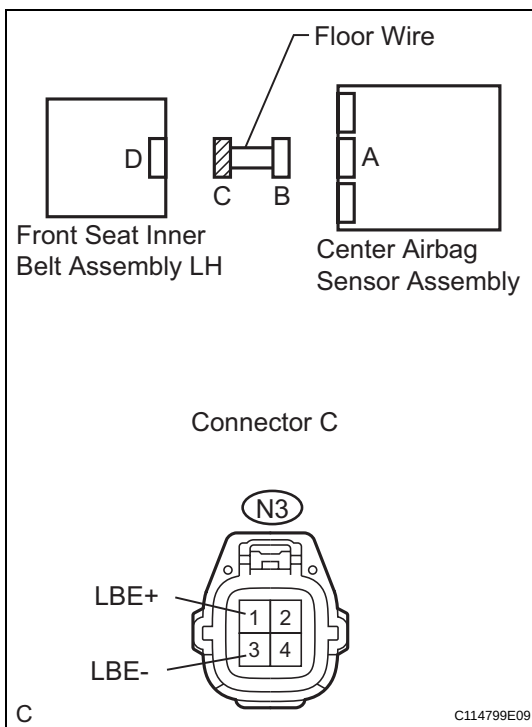
NG**REPAIR OR REPLACE FLOOR WIRE****OK**

6 CHECK FLOOR WIRE (SHORT TO B+)

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

Standard voltage

Tester Connection	Condition	Specified Condition
N3-1 (LBE+) - Body ground	Power switch on (IG)	Below 1 V
N3-3 (LBE-) - Body ground	Power switch on (IG)	Below 1 V

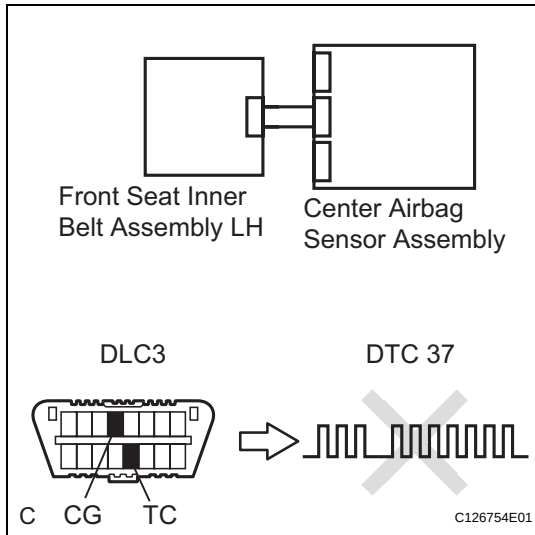
NG**REPAIR OR REPLACE FLOOR WIRE****OK****7 CHECK FLOOR WIRE (SHORT TO GROUND)**

- Turn the power switch off.
- 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 resistance

Tester Connection	Condition	Specified Condition
N3-1 (LBE+) - Body ground	Always	1 MΩ or higher
N3-3 (LBE-) - Body ground	Always	1 MΩ or higher

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

8 CHECK FRONT SEAT INNER BELT ASSEMBLY LH

- Connect the connector to the center airbag sensor assembly and the front seat inner belt assembly LH.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the power switch on (IG), and wait for at least 60 seconds.
- Clear the DTCs stored in the memory (See page [RS-41](#)).
- Turn the power switch off.
- Turn the power switch on (IG), and wait for at least 60 seconds.
- Check the DTCs (See page [RS-41](#)).

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

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

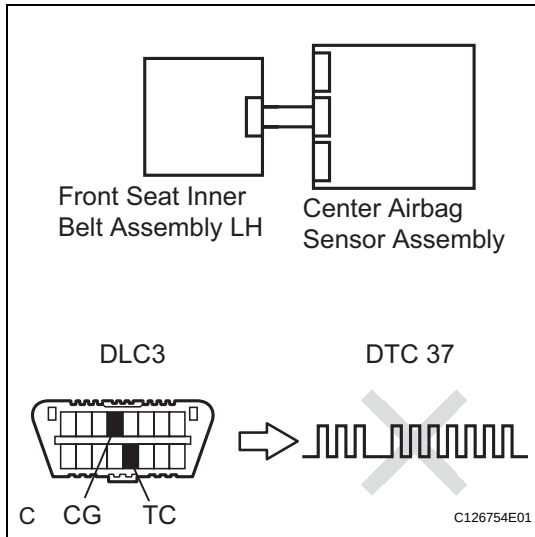
OK**USE SIMULATION METHOD TO CHECK (See page [RS-33](#))****NG****9 REPLACE FRONT SEAT INNER BELT ASSEMBLY LH**

- Turn the power switch off.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Replace the front seat inner belt assembly LH (See page [SB-16](#)).

HINT:

Perform inspection using parts from a normal vehicle if possible.

NEXT

10 CHECK CENTER AIRBAG SENSOR ASSEMBLY

- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the power switch on (IG), and wait for at least 60 seconds.
- Clear the DTCs stored in the memory (See page [RS-41](#)).
- Turn the power switch off.
- Turn the power switch on (IG), and wait for at least 60 seconds.
- Check the DTCs (See page [RS-41](#)).

OK:

DTC B1655/37 is not output.

HINT:

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

NG

REPLACE CENTER AIRBAG SENSOR ASSEMBLY (See page [RS-423](#))

OK**END**