

DTC

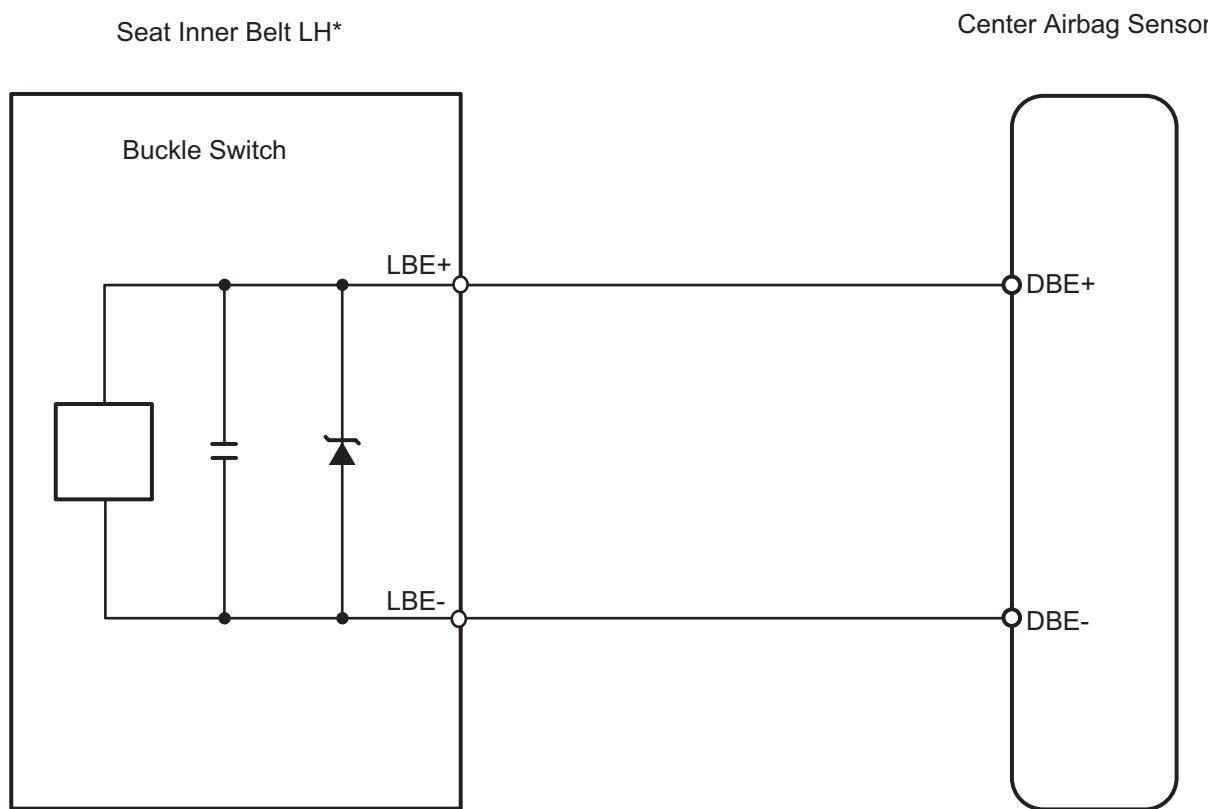
B1655/37

Driver Side Seat Belt Buckle Switch Circuit Malfunction**DESCRIPTION**

The driver side seat belt buckle switch circuit consists of the center airbag sensor and the front seat inner belt 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	<p>When one of following conditions is met:</p> <ul style="list-style-type: none"> Center airbag sensor detects line short signal, open signal, short to ground signal or short to B+ signal in driver side seat belt buckle switch LH circuit for 2 seconds. Front seat inner belt LH malfunction Center airbag sensor malfunction 	<ul style="list-style-type: none"> Floor wire Front seat inner belt LH Center airbag sensor

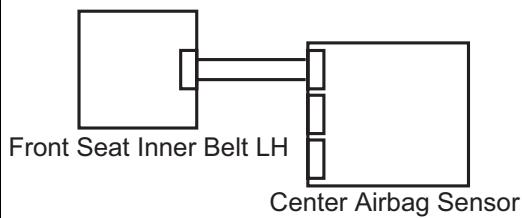
WIRING DIAGRAM

*: The seat position sensor and the seat inner belt LH share the same connection.

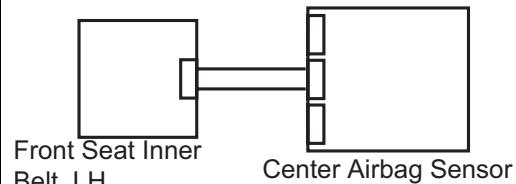
INSPECTION PROCEDURE

1 CHECK FOR DTC

w/ Curtain Shield Airbag



w/o Curtain Shield Airbag



(a) Turn the ignition switch ON, and wait for at least 60 seconds.

(b) Clear the DTCs (see page RS-49).

(c) Turn the ignition switch OFF.

(d) Turn the ignition switch ON, and wait for at least 60 seconds.

(e) Check the DTCs (see page RS-49).

OK:

DTC B1655/37 is not output.

HINT:

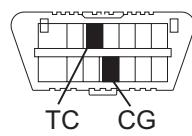
DTCs other than DTC B1655/37 may be output at this time, but they are not related to this check.

OK

USE SIMULATION METHOD TO CHECK

DLC3

DTC 37



C123591E02

NG

RS

2 CHECK CONNECTION OF CONNECTOR

(a) Turn the ignition switch OFF.

(b) Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.

(c) Check that the connectors are properly connected to the center airbag sensor and the front seat inner belt LH.

OK:

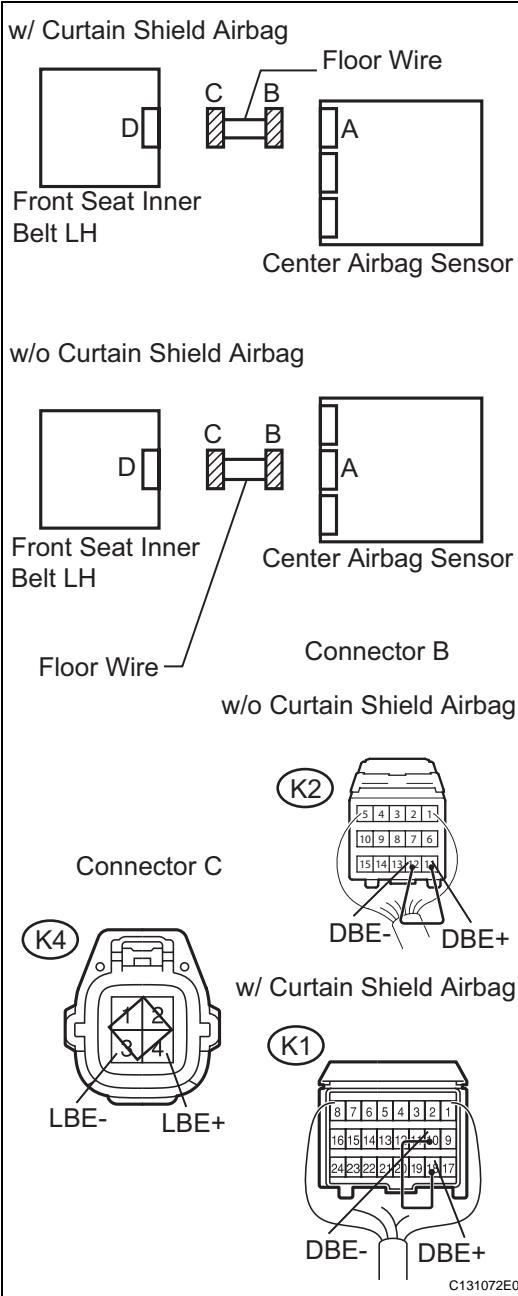
The connectors are properly connected.

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CONNECT CONNECTOR

OK

3 CHECK FLOOR WIRE (OPEN)



- Disconnect the connectors from the center airbag sensor and the front seat inner belt LH.
- Using a service wire, connect K2-11 (LBE+) and K2-12 (LBE-) (w/o Curtain shield airbag), or K1-10 (DBE+) and K1-18 (DBE-) (w/Curtain shield airbag) of connector B.

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

- Measure the resistance of the wire harness side connector.

Standard resistance

Tester Connection	Specified Condition
K4-4 (LBE+) - K4-3 (LBE-)	Below 1 Ω

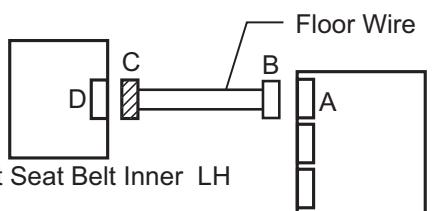
NG **REPAIR OR REPLACE FLOOR WIRE**

OK

RS

4 CHECK FLOOR WIRE (SHORT)

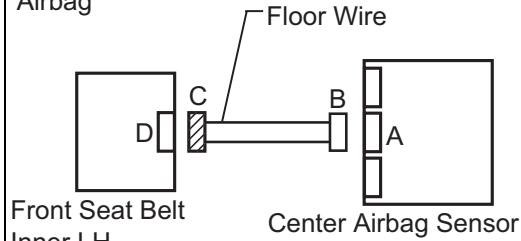
w/ Curtain Shield Airbag



Front Seat Belt Inner LH

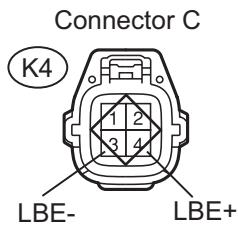
Center Airbag Sensor

w/o Curtain Shield Airbag



Front Seat Belt Inner LH

Center Airbag Sensor



C123593E02

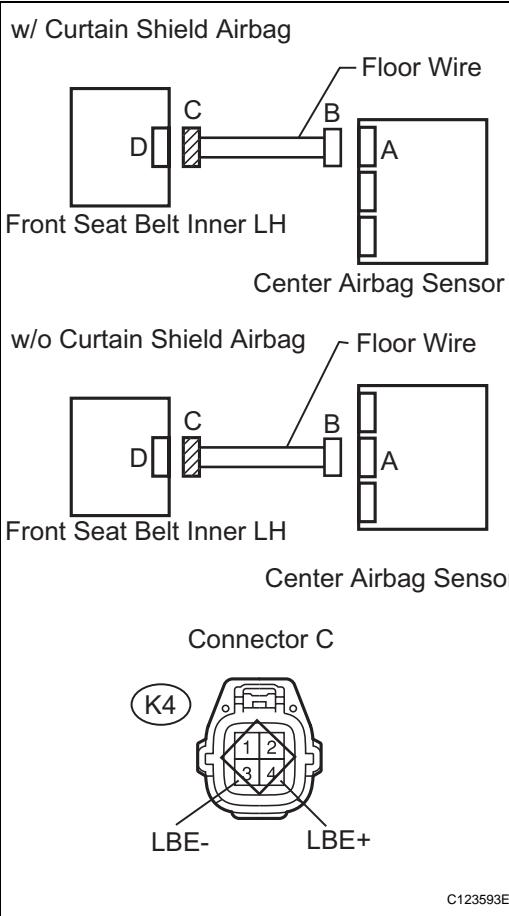
- Disconnect the service wire from connector B.
- Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
K4-4 (LBE+) - K4-3 (LBE-)	1 MΩ or higher

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

5 | CHECK FLOOR WIRE (TO B+)



- Connect the cable to the negative (-) battery terminal, and wait for at least 2 seconds.
- Turn the ignition switch ON.
- Measure the voltage of the wire harness side connector.

Standard voltage

Tester Connection	Specified Condition
K4-4 (LBE+) - Body ground	Below 1 V
K4-3 (LBE-) - Body ground	Below 1 V

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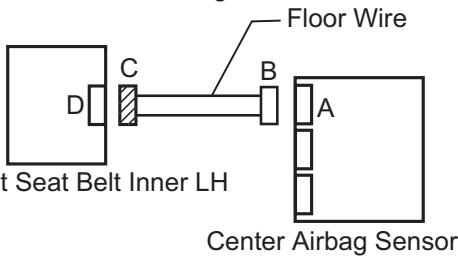
REPAIR OR REPLACE FLOOR WIRE

RS

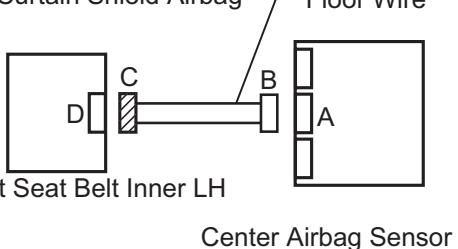
OK

6 | CHECK FLOOR WIRE (TO GROUND)

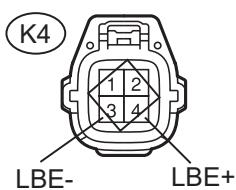
w/ Curtain Shield Airbag



w/o Curtain Shield Airbag



Connector C



C123593E06

- Turn the ignition switch OFF.
- Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.
- Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
K4-4 (LBE+) - Body ground	1 MΩ or higher
K4-3 (LBE-) - Body ground	1 MΩ or higher

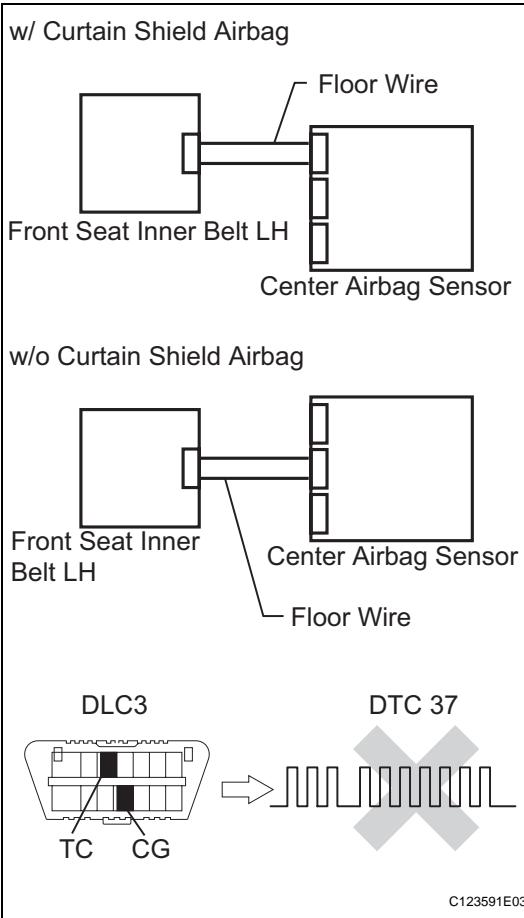
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REPAIR OR REPLACE FLOOR WIRE

OK

RS

7 | CHECK FRONT SEAT INNER BELT ASSEMBLY LH



- Connect the connector to the center airbag sensor and the front seat inner belt LH.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the ignition switch ON, and wait for at least 60 seconds.
- Clear the DTCs (see page [RS-49](#)).
- Turn the ignition switch OFF.
- Turn the ignition switch ON, and wait for at least 60 seconds.
- Check the DTCs (see page [RS-49](#)).

OK:

DTC B1655/37 is not output.

HINT:

DTCs 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

NG

8 | REPLACE FRONT SEAT INNER BELT ASSEMBLY LH

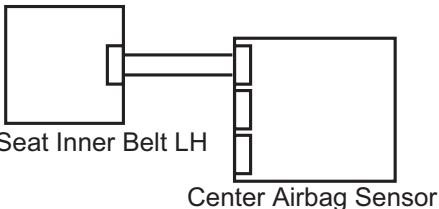
- Turn the ignition switch OFF.
- Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.
- Replace the front seat inner belt LH (see page [SB-21](#)).

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

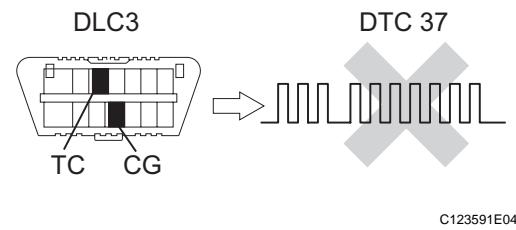
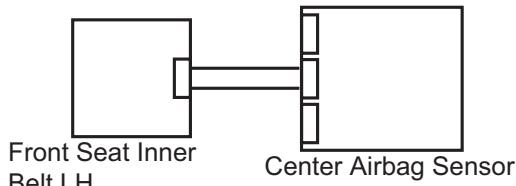
NEXT

9 CHECK CENTER AIRBAG SENSOR ASSEMBLY

w/ Curtain Shield Airbag



w/o Curtain Shield Airbag



- (a) Connect the cable to the negative (-) battery terminal, and wait for at least 2 seconds.
- (b) Turn the ignition switch ON, and wait for at least 60 seconds.
- (c) Clear the DTCs (see page RS-49).
- (d) Turn the ignition switch OFF.
- (e) Turn the ignition switch ON, and wait for at least 60 seconds.
- (f) Check the DTCs (see page RS-49).

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

DTCs 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****OK****RS****END**