

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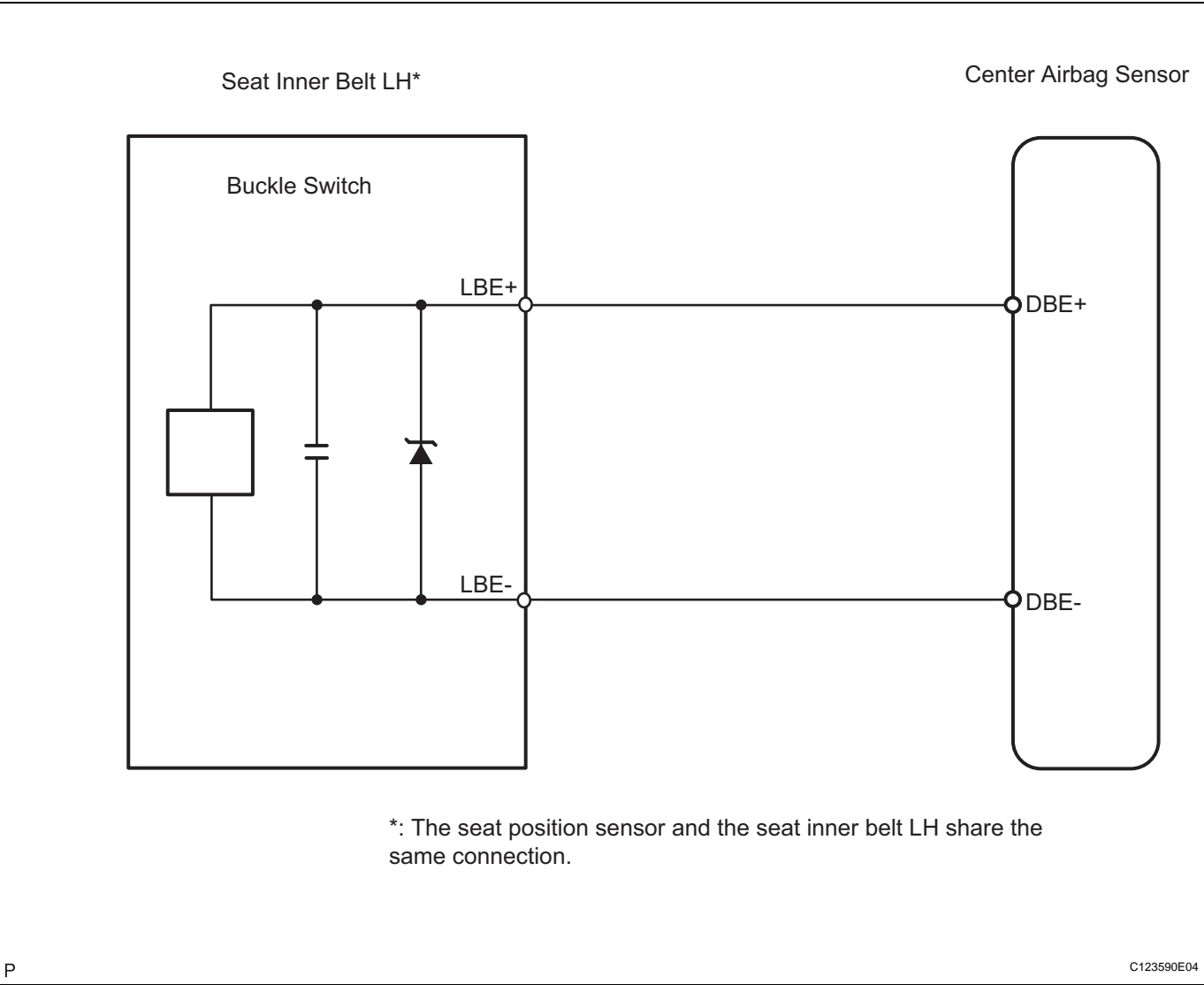
DESCRIPTION

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

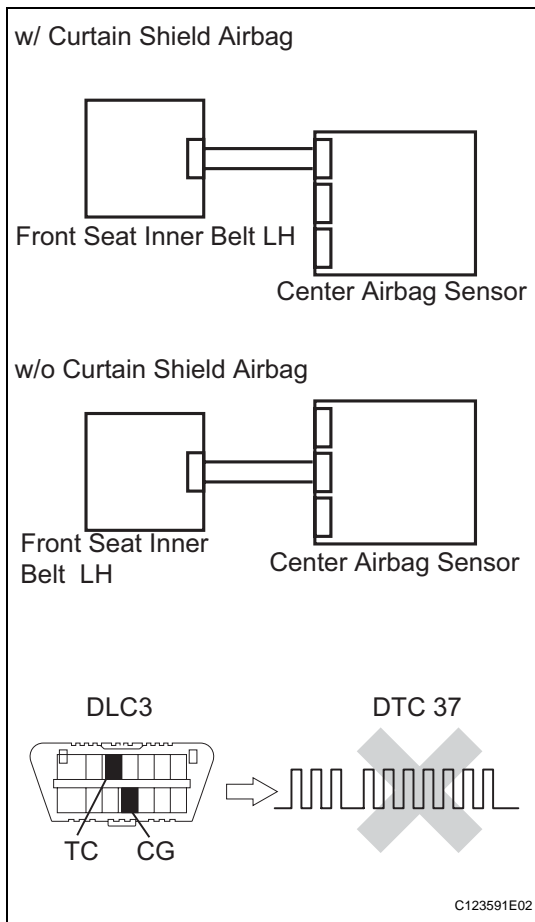
DTC B1655/37 is recorded when a malfunction is detected in the driver side seat belt buckle switch circuit.

DTC No.	DTC Detection Condition	Trouble Area
B1655/37	When one of following conditions is met: <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 malfunctionCenter airbag sensor malfunction	<ul style="list-style-type: none">Floor wireFront seat inner belt LHCenter airbag sensor

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK FOR DTC

- (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.

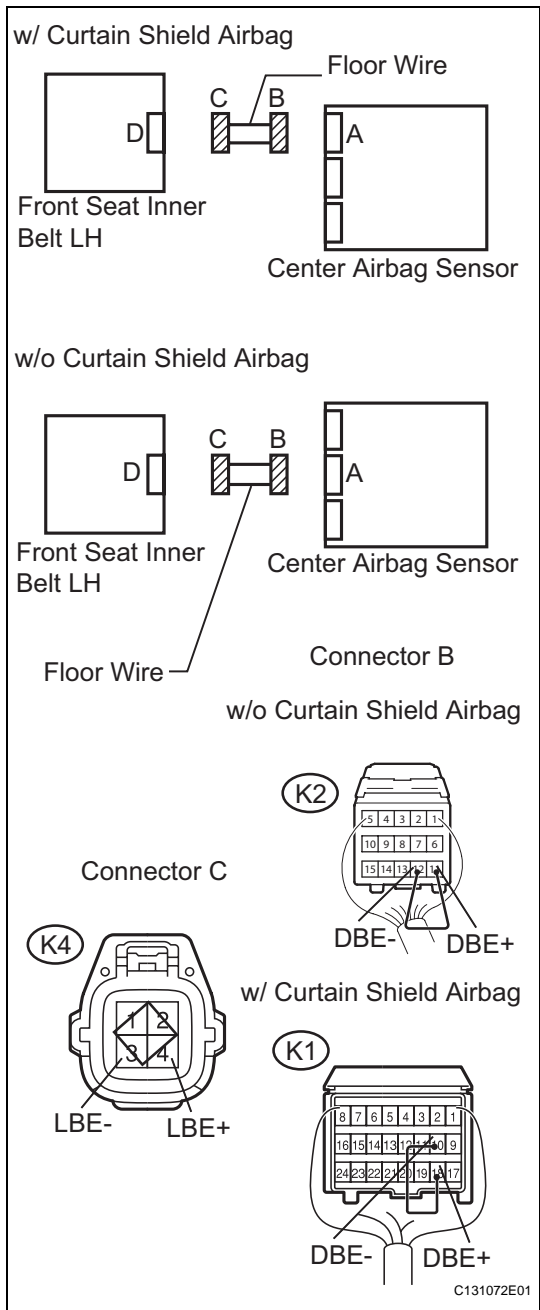
OK**USE SIMULATION METHOD TO CHECK****NG****RS****2 CHECK CONNECTION OF CONNECTOR**

- (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.****NG****CONNECT CONNECTOR****OK**

3

CHECK FLOOR WIRE (OPEN)



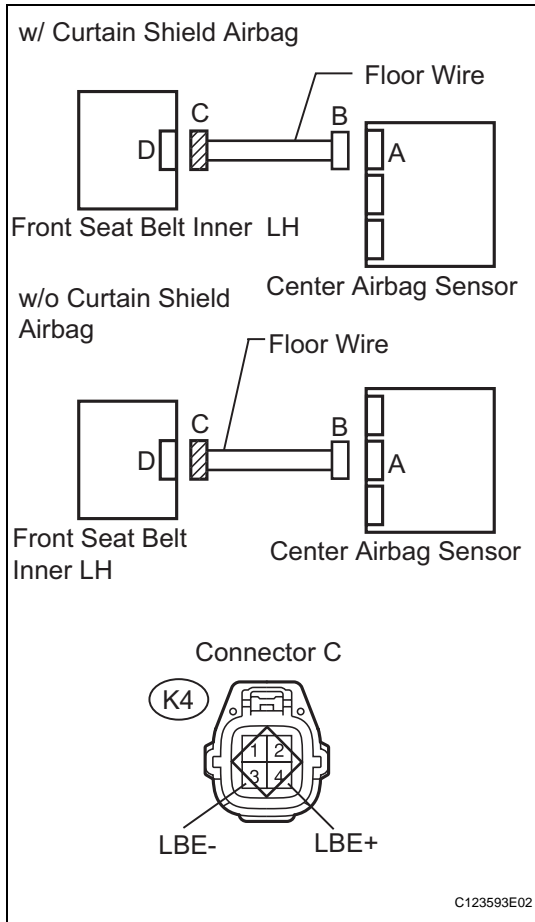
- (a) Disconnect the connectors from the center airbag sensor and the front seat inner belt LH.
- (b) Using a service wire, connect K2-11 (LBE+) and K2-12 (LBE-) (w/o Curtain shield airbag), or K1-10 (DBE+) and K1-18 (DBE-) (w/Curtain shield airbag) of connector B.
- NOTICE:**
Do not forcibly insert the service wire into the terminals of the connector when connecting.
- (c) 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

4 CHECK FLOOR WIRE (SHORT)

- (a) Disconnect the service wire from connector B.
(b) Measure the resistance of the wire harness side connectors.

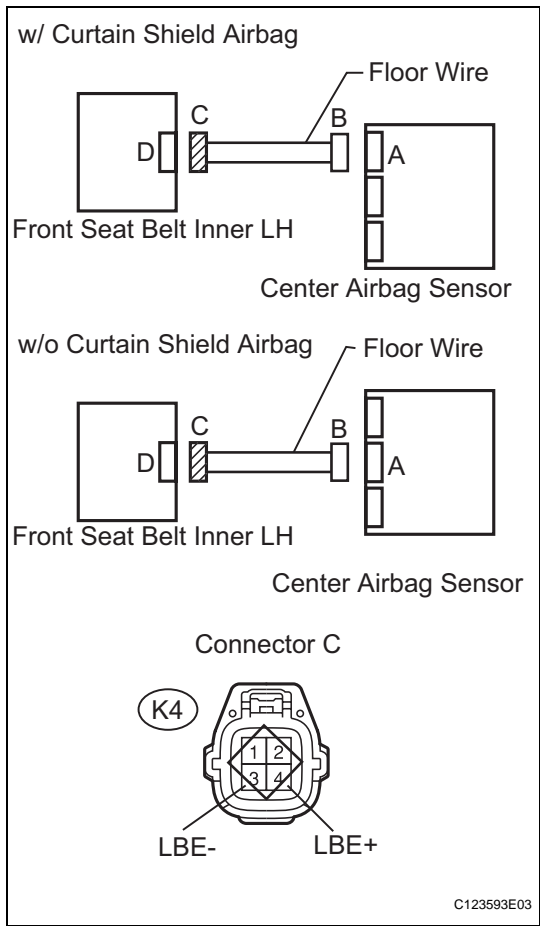
Standard resistance

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

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

5

CHECK FLOOR WIRE (TO B+)



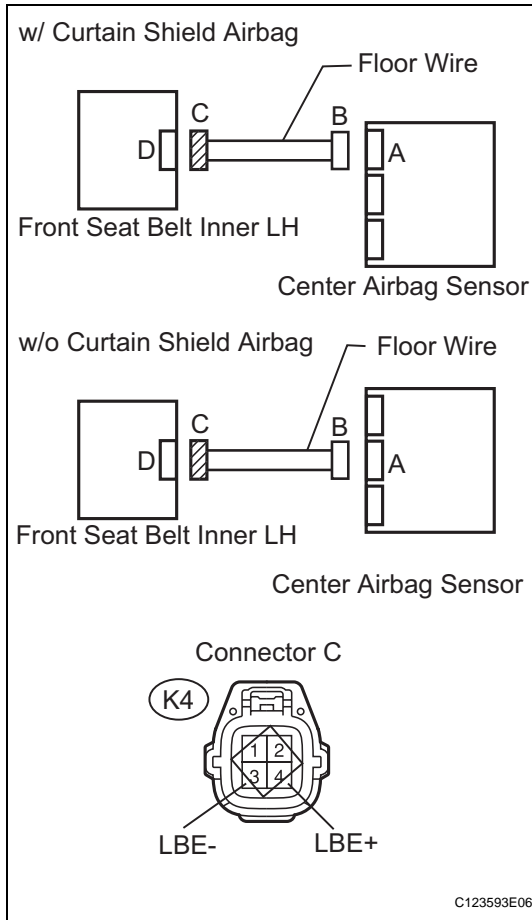
- (a) Connect the cable to the negative (-) battery terminal, and wait for at least 2 seconds.
- (b) Turn the ignition switch ON.
- (c) Measure the voltage of the wire harness side connector.
- Standard voltage**

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

NG

REPAIR OR REPLACE FLOOR WIRE

OK

6 CHECK FLOOR WIRE (TO GROUND)

- 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.

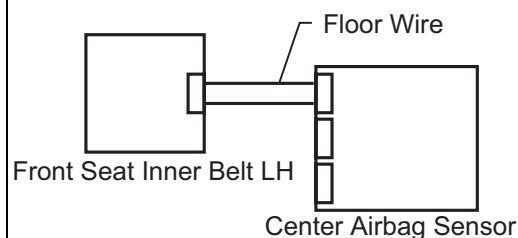
Standard resistance

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

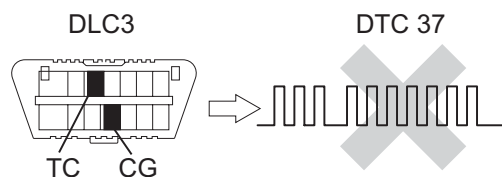
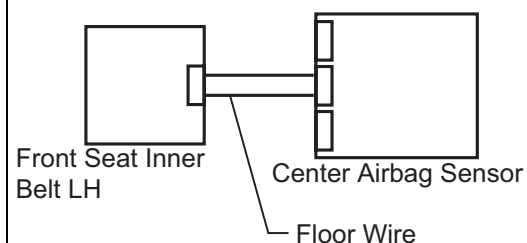
NG**REPAIR OR REPLACE FLOOR WIRE****OK****RS**

7 CHECK FRONT SEAT INNER BELT ASSEMBLY LH

w/ Curtain Shield Airbag



w/o Curtain Shield Airbag



C123591E03

- 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:

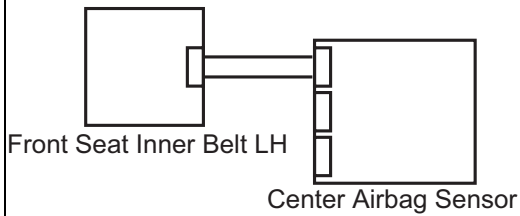
Perform the inspection using parts from a normal vehicle if possible.

NEXT

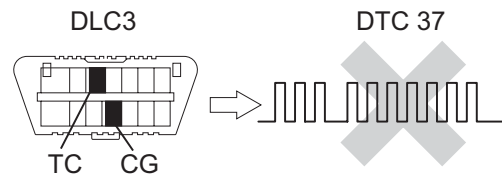
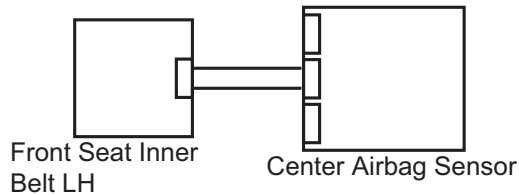
9

CHECK CENTER AIRBAG SENSOR ASSEMBLY

w/ Curtain Shield Airbag



w/o Curtain Shield Airbag



C123591E04

- Connect the cable to the negative (-) battery terminal, 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.

NG**REPLACE CENTER AIRBAG SENSOR ASSEMBLY****OK****RS****END**