

DTC	B0126/27	Seat Belt Buckle Switch LH Circuit Malfunction
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DESCRIPTION

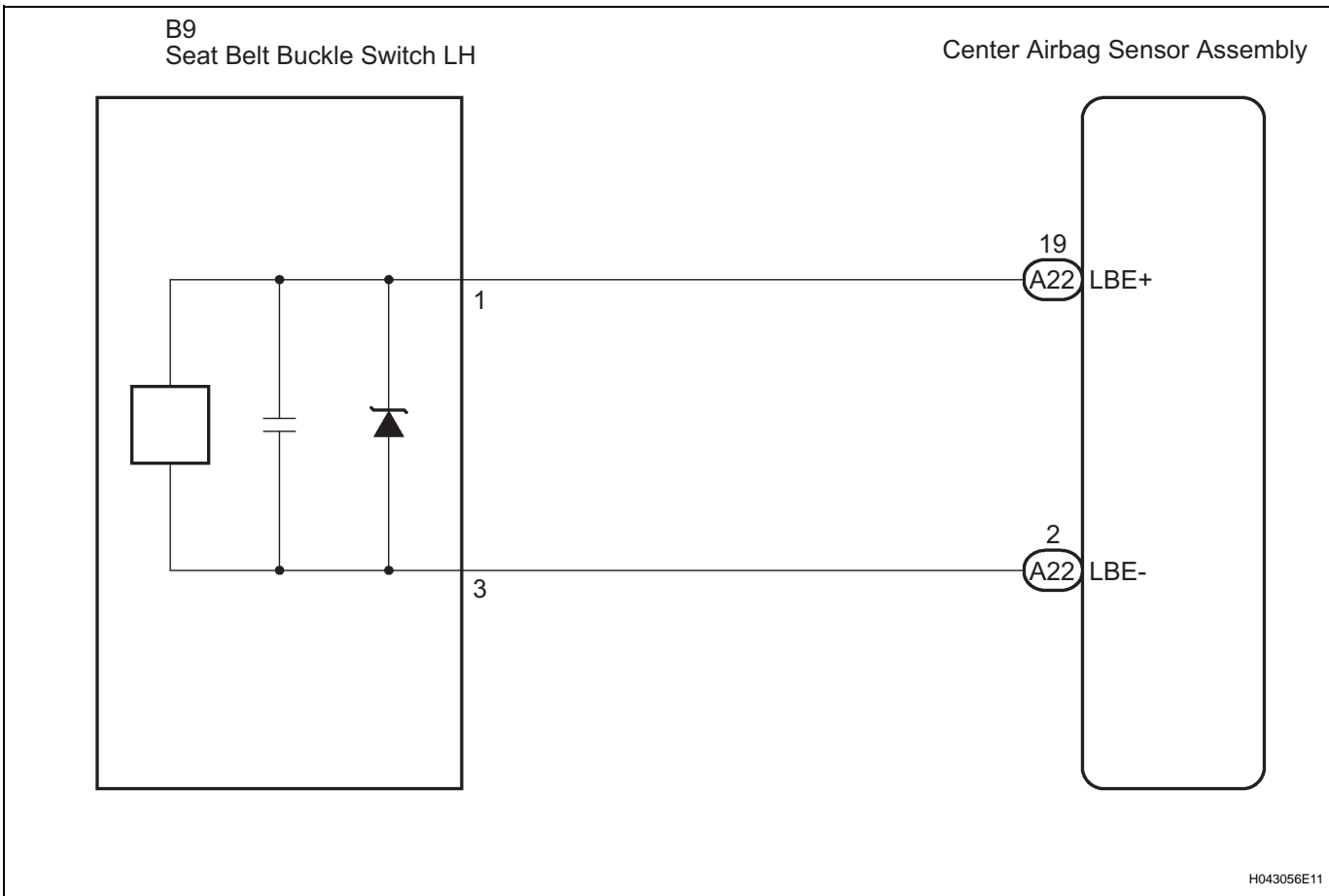
The seat belt buckle switch LH circuit consists of the center airbag sensor assembly and the front seat inner belt assembly LH (seat belt buckle switch LH).

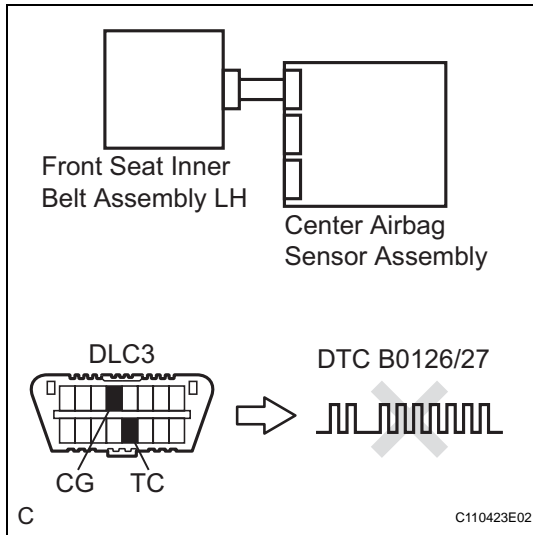
DTC B0126/27 is recorded when a malfunction is detected in the seat belt buckle switch LH circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B0126/27	<ul style="list-style-type: none"> Short circuit in front seat inner belt assembly LH wire harness (to B+) Short circuit in front seat inner belt assembly LH wire harness (to ground) Open circuit in LBE+ wire harness or LBE- wire harness of front seat inner belt assembly LH Front seat inner belt assembly LH malfunction Center airbag sensor assembly malfunction 	<ul style="list-style-type: none"> Front seat inner belt assembly LH (Seat belt buckle switch LH) Center airbag sensor assembly Floor wire No.2

RS

WIRING DIAGRAM



1 CHECK DTC

- (a) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (b) Clear the DTCs stored in memory (See page RS-32).
- (c) Turn the ignition switch to the LOCK position.
- (d) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (e) Check the DTCs (See page RS-32).

OK:

DTC B0126/27 is not output.

HINT:

Codes other than code B0126/27 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****2 CHECK CONNECTION OF CONNECTORS**

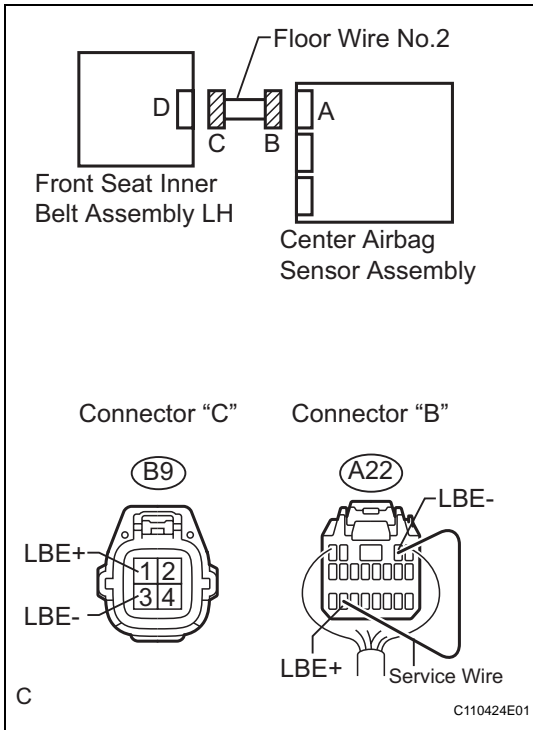
- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Check that the connectors are properly connected to the center airbag sensor assembly and the front seat inner belt assembly LH.

OK:

The connectors are connected.

NG**CONNECT CONNECTORS, THEN GO TO STEP 1****OK****RS**

3 CHECK FLOOR WIRE NO.2 (OPEN)



- (a) Disconnect the connectors from the center airbag sensor assembly and the front seat inner belt assembly LH.
- (b) Using a service wire, connect A22-19 (LBE+) and A22-2 (LBE-) of connector "B".
HINT:
Do not forcibly insert a service wire into the terminals of the connector when connecting.
- (c) Measure the voltage according to the value(s) in the table below.

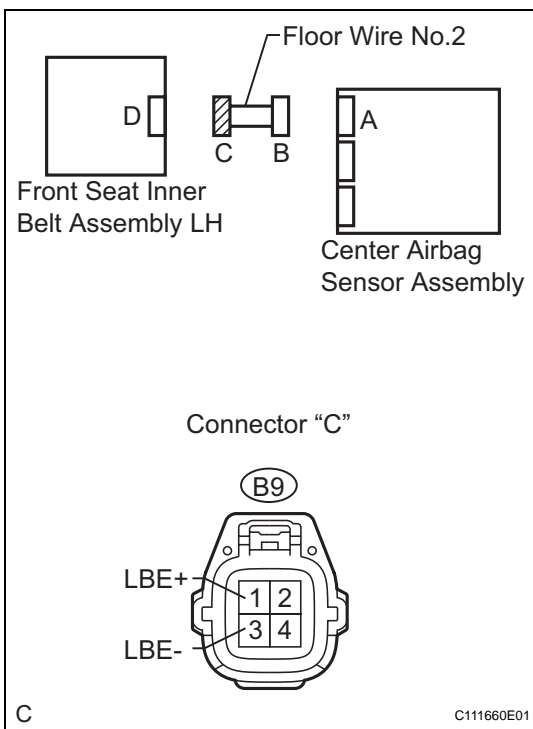
Voltage

Tester connection	Condition	Specified condition
B9-1 (LBE+) - B9-3 (LBE-)	Always	Below 1 V

NG REPAIR OR REPLACE FLOOR WIRE NO.2

OK

4 CHECK FLOOR WIRE NO.2 (SHORT TO B+)



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

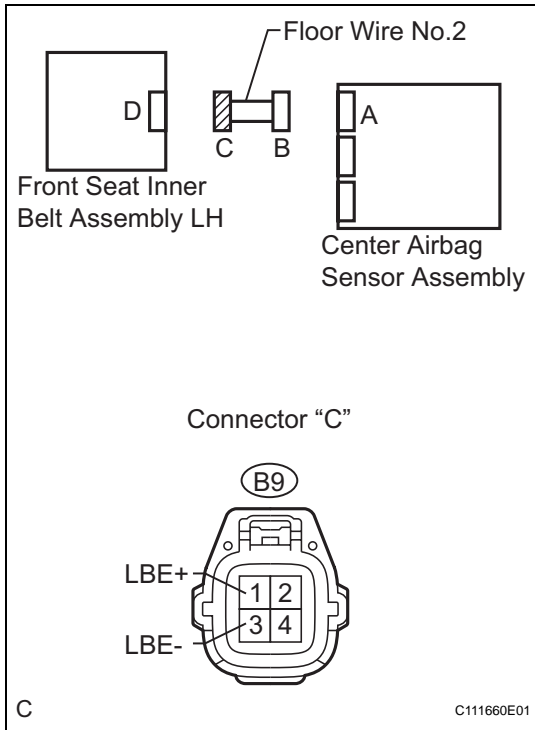
Voltage

Tester connection	Condition	Specified condition
B9-1 (LBE+) - Body ground	Ignition switch ON	Below 1 V
B9-3 (LBE-) - Body ground	Ignition switch ON	Below 1 V

NG REPAIR OR REPLACE FLOOR WIRE NO.2

OK

5 CHECK FLOOR WIRE NO.2 (SHORT TO GROUND)



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

Resistance

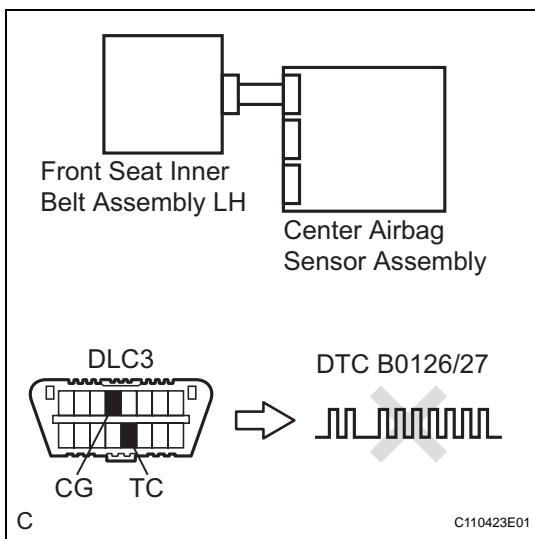
Tester connection	Condition	Specified condition
B9-1 (LBE+) - Body ground	Always	1 MΩ or higher
B9-3 (LBE-) - Body ground	Always	1 MΩ or higher

NG

REPAIR OR REPLACE FLOOR WIRE NO.2

OK

6 CHECK FRONT SEAT INNER BELT ASSEMBLY LH



- (a) Connect the connectors to the front seat inner belt assembly LH and the center airbag sensor assembly.
- (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 RS-32).
- (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 RS-32).

OK:

DTC B0126/27 is not output.

HINT:

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NG

Go to step 7

OK

USE SIMULATION METHOD TO CHECK

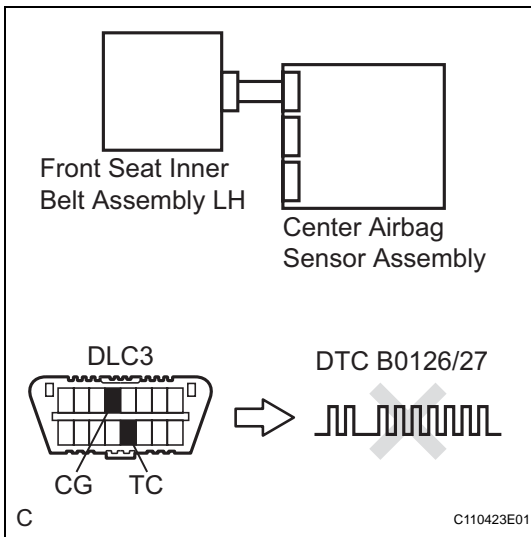
7 REPLACE FRONT SEAT INNER BELT ASSEMBLY LH

- 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 assembly LH (See page [SB-15](#)).

HINT:

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

NEXT

8 CHECK CENTER AIRBAG SENSOR ASSEMBLY

- 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 [RS-32](#)).
- 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 [RS-32](#)).

OK:

DTC B0126/27 is not output.

HINT:

Codes other than code B0126/27 may be output at this time, but they are not related to this check.

NG

REPLACE CENTER AIRBAG SENSOR ASSEMBLY

OK

END

RS