DTC	B0126/27	Seat Belt Buckle Switch LH Circuit Malfunction

DESCRIPTION

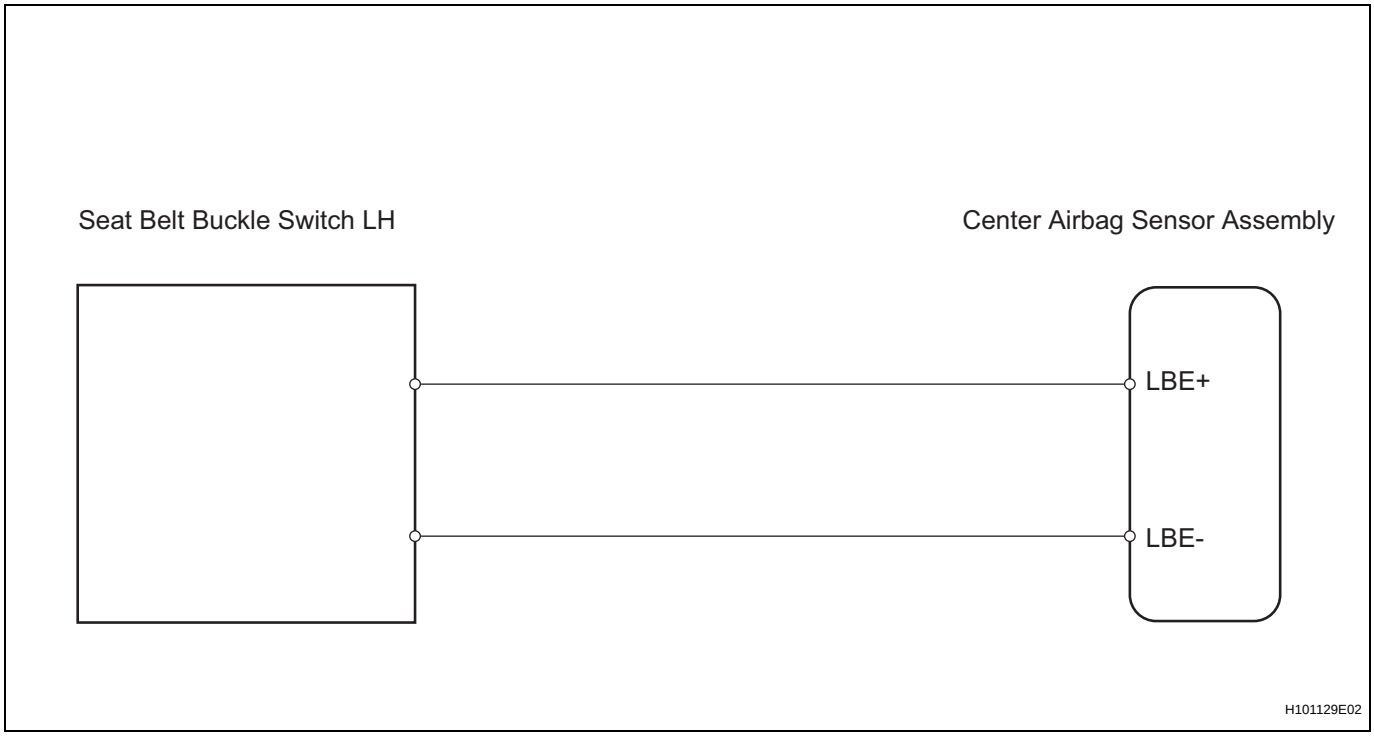
The seat belt buckle switch LH circuit consists of the center airbag sensor assembly and the front seat inner belt assembly LH (seat belt buckle switch LH).

RS

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

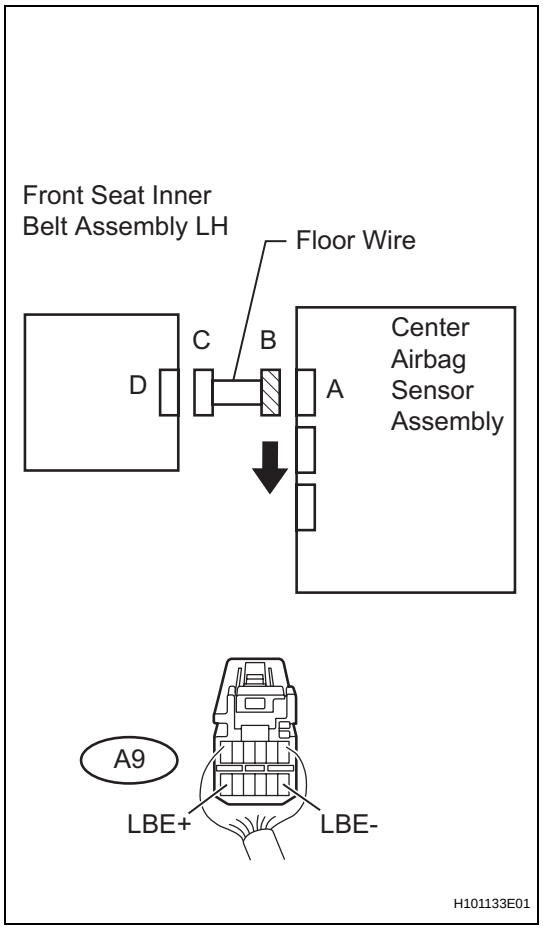
DTC No.	DTC detection Condition	Trouble Area
B0126/27	• Short circuit in front seat inner belt assembly LH wire harness (to ground) • Short circuit in front seat inner belt assembly LH wire harness (to B+) • Open circuit in LBE+ wire harness or LBE- wire harness of front seat inner belt assembly LH • Front seat inner belt assembly LH assembly • Center airbag sensor assembly	• front seat inner belt assembly LH (seat belt buckle switch LH) • Center airbag sensor assembly • Floor wire

WIRING DIAGRAM



1	CHECK FLOOR WIRE (TO B+)

(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 center airbag sensor assembly and the front seat inner belt assembly LH.
(d) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.



(e) Measure the voltage according to the value(s) in the table below.

Standard voltage

Tester Connection (Connector "B")	Condition	Specified Condition
A9-11 (LBE+) - Body ground	Ignition switch ON	Below 1 V
A9-7 (LBE-) - Body ground		

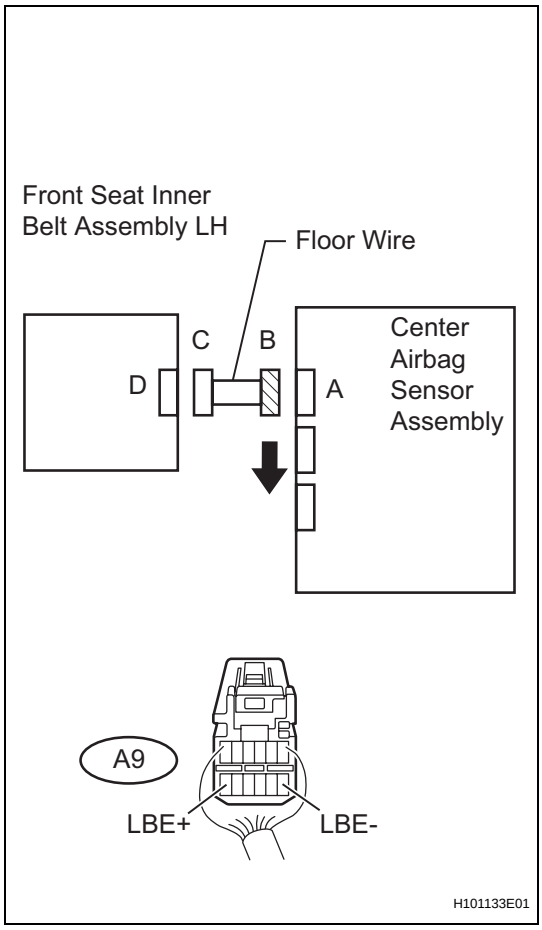
RS

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

2	CHECK FLOOR WIRE (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.

Standard resistance

Tester Connection (Connector "B")	Specified Condition
A9-11 (LBE+) - Body ground	1 MΩ or higher
A9-7 (LBE-) - Body ground	

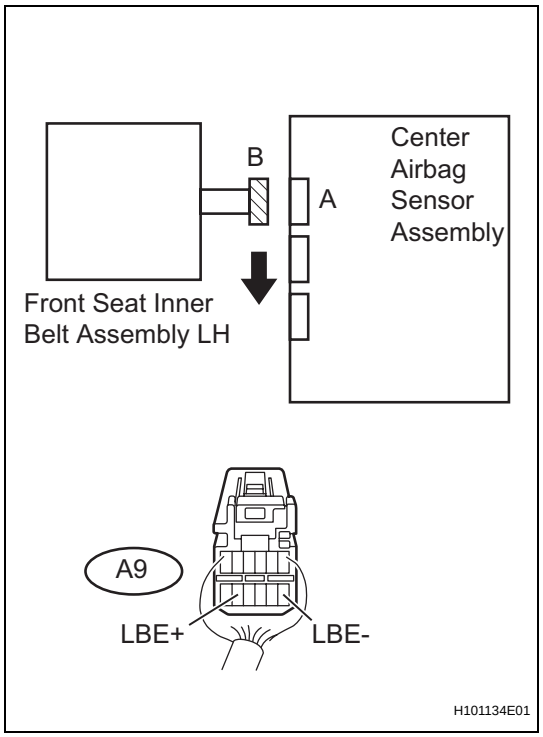
NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

3	CHECK FRONT SEAT INNER BELT ASSEMBLY

(a) Connect the connector to the front seat inner belt assembly LH.

(b) Unfasten the seat belt from the front seat inner belt LH.



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

Standard resistance

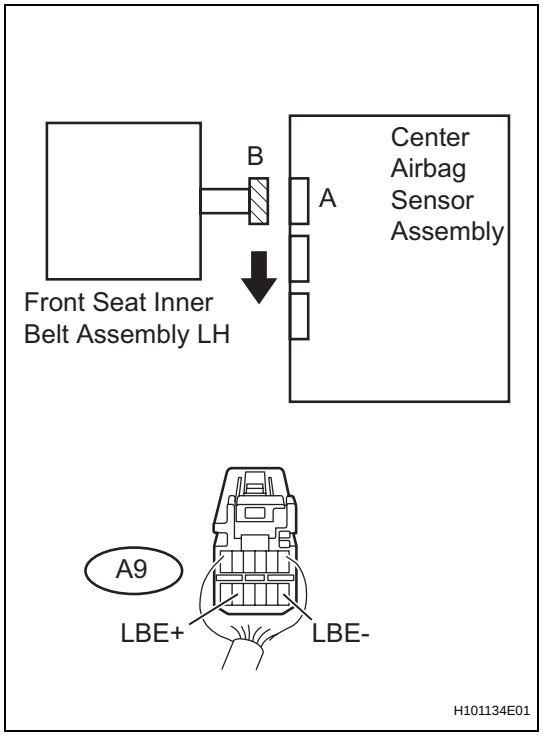
Tester Connection (Connector "B")	Specified Condition
A9-11 (LBE+) - A)-7 (LBE-)	100 to 500 Ω

RS

NG → **REPLACE FRONT SEAT INNER BELT ASSEMBLY LH**

OK

4 CHECK FRONT SEAT INNER BELT ASSEMBLY LH



(a) Fasten the seat belt to the front seat inner belt LH.

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

Standard resistance

Tester Connection (Connector "B")	Specified Condition
A9-11 (LBE+) - A)-7 (LBE-)	1.0 to 1.6 kΩ

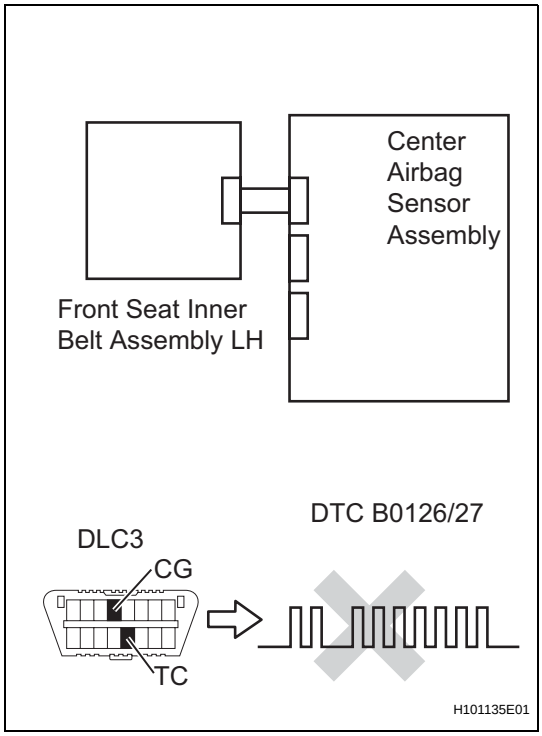
NG → **REPLACE FRONT SEAT INNER BELT ASSEMBLY LH**

OK

5	CHECK CENTER AIRBAG SENSOR ASSEMBLY

RS

(a) Connect the connector to 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 stored DTCs in the memory (see page RS-21).
(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 for the DTCs (see page RS-21).
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

PROBLEM SYMPTOMS SIMULATION