

DTC	B1627/82	Lost Communication with Front Passenger Side - Side Airbag Sensor Assembly
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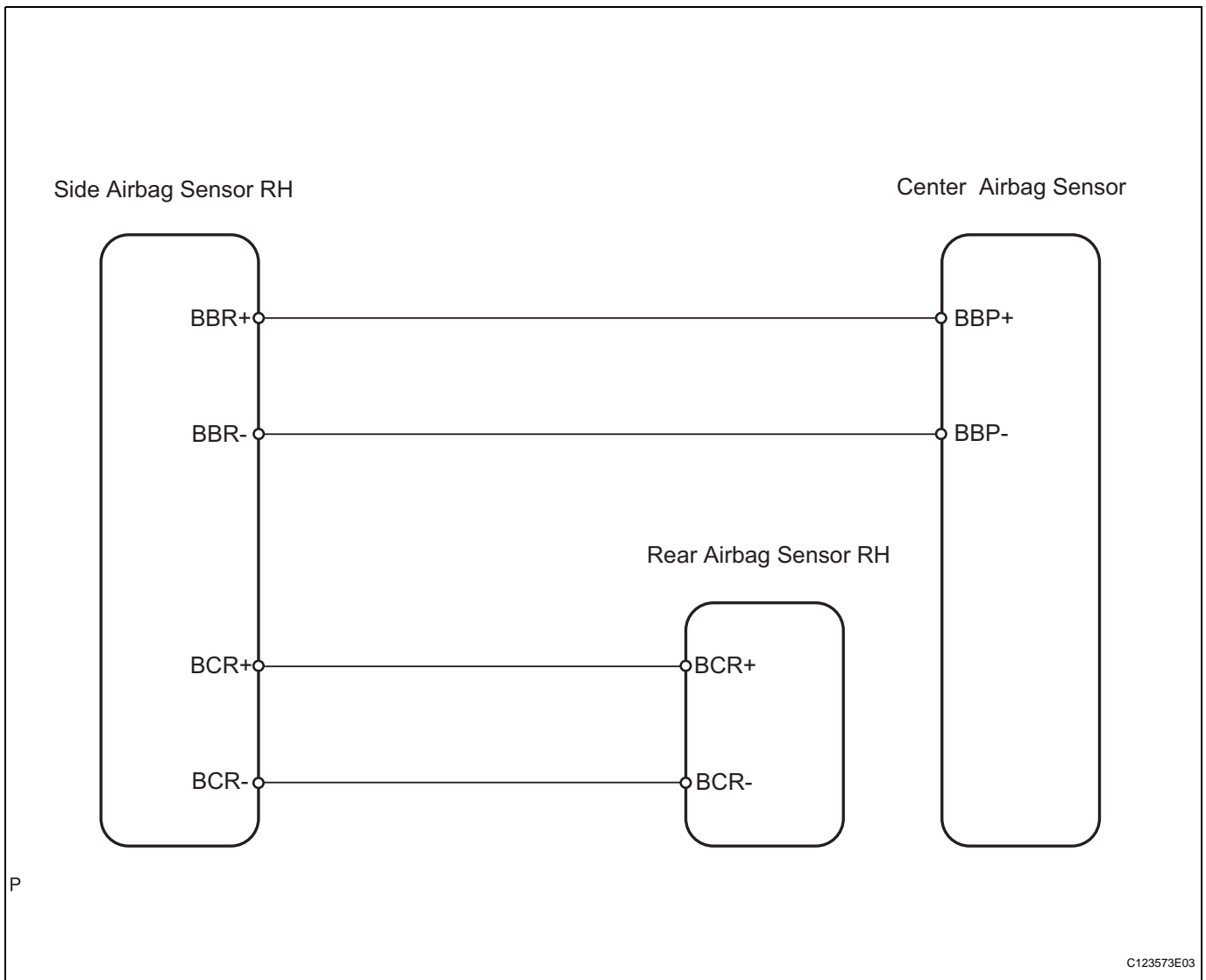
DESCRIPTION

The side airbag sensor RH consists of parts including the diagnostic circuit and the lateral deceleration sensor.

When the center airbag sensor receives signals from the lateral deceleration sensor, it determines whether or not the SRS should be activated.

DTC B1627/82 is set when a malfunction is detected in the side airbag sensor RH circuit.

WIRING DIAGRAM



RS

INSPECTION PROCEDURE

1	CHECK CONNECTION OF CONNECTOR
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- (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, rear airbag sensor RH and the side airbag sensor RH.

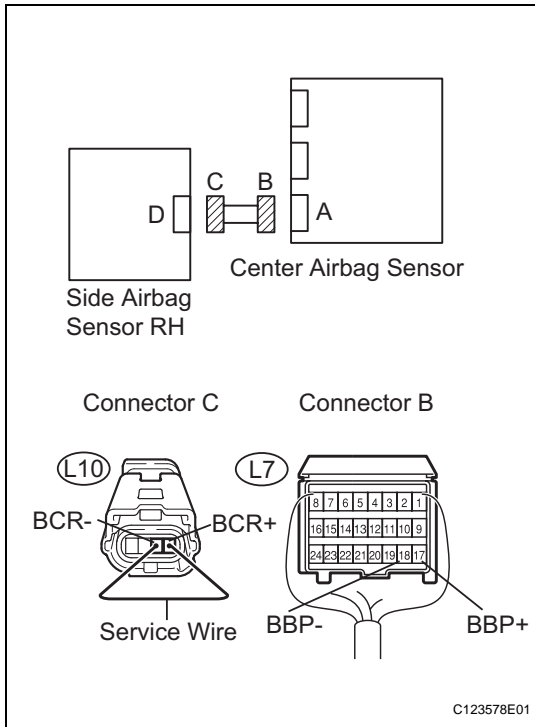
OK:

The connectors are properly connected.

NG → **CONNECT CONNECTOR**

OK

2 CHECK FLOOR WIRE (OPEN)



- (a) Disconnect the connectors from the center airbag sensor and the side airbag sensor RH.
- (b) Using a service wire, connect L10-4 (BBR+) and L10-3 (BBR-) of connector C.

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 connectors.

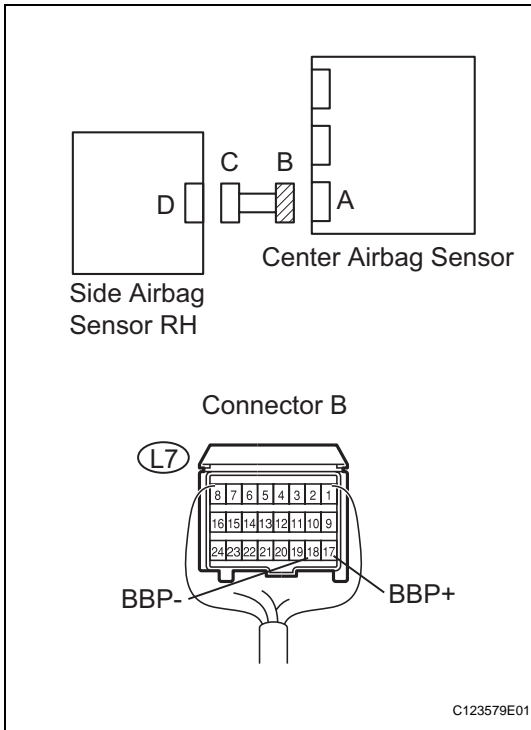
Standard resistance

Tester Connection	Specified Condition
L7-17 (BBP+) - L7-18 (BBP-)	Below 1 Ω

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

3 CHECK FLOOR WIRE (SHORT)



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

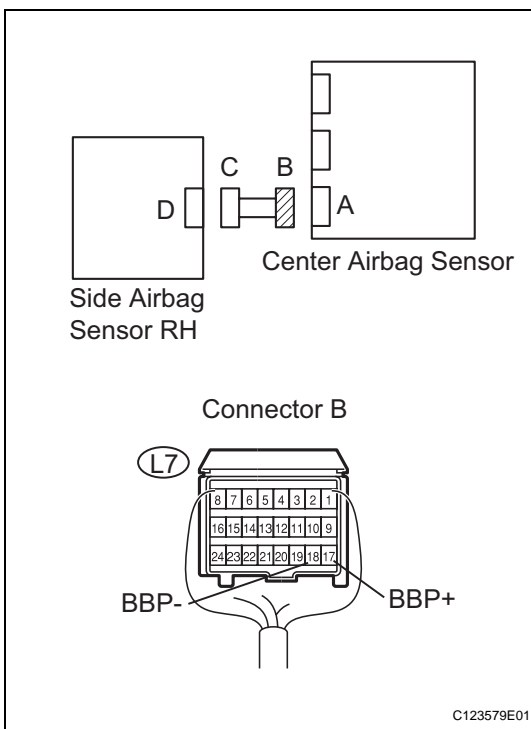
Standard resistance

Tester Connection	Specified Condition
L7-17 (BBP+) - L7-18(BBP-)	1 MΩ or higher

NG REPAIR OR REPLACE FLOOR WIRE

OK

4 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

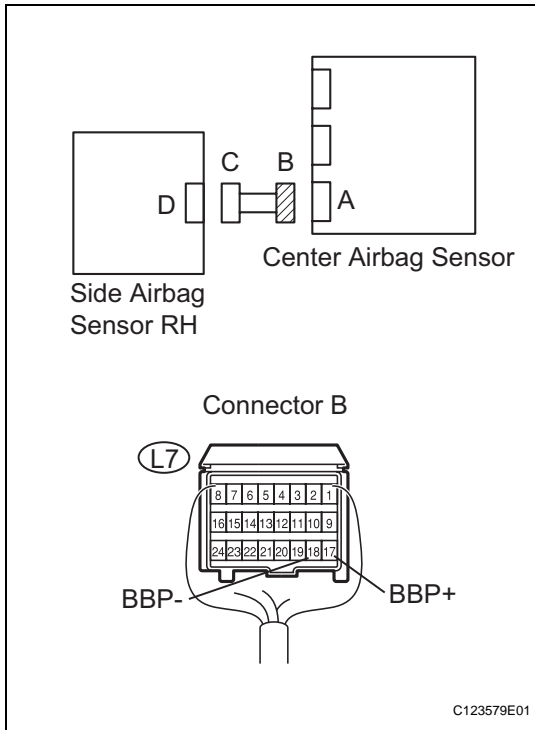
Tester Connection	Specified Condition
L7-17 (BBP+) - Body ground	Below 1 V
L7-18 (BBP-) - Body ground	Below 1 V

NG REPAIR OR REPLACE FLOOR WIRE

OK

RS

5 CHECK FLOOR WIRE (TO GROUND)



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

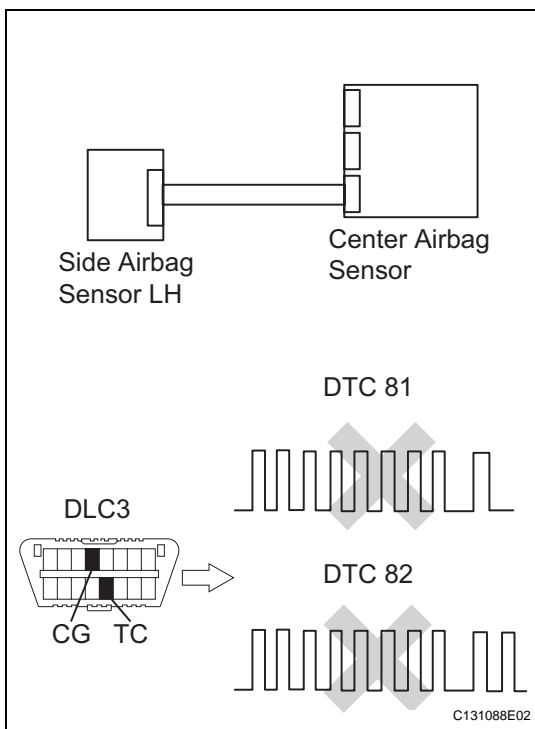
Standard resistance

Tester Connection	Specified Condition
L7-17 (BBP+) - Body ground	1 MΩ or higher
L7-18 (BBP-) - Body ground	1 MΩ or higher

NG REPAIR OR REPLACE FLOOR WIRE

OK

6 CHECK SIDE AIRBAG SENSOR RH



- (a) Connect the connectors to the center airbag sensor.
- (b) Interchange the side airbag sensor RH with the side airbag sensor LH and connect the connectors to them.
- (c) Connect the cable to the negative (-) battery terminal, and wait for at least 2 seconds.
- (d) Turn the ignition switch ON, and wait for at least 60 seconds.
- (e) Clear the DTCs (see page RS-49).
- (f) Turn the ignition switch OFF.
- (g) Turn the ignition switch ON, and wait for at least 60 seconds.
- (h) Check for DTCs (see page RS-49).

Result

Result	Proceed to
DTC B1622/81 and B1627/82 are not output	A
DTC B1622/81 is output	B
DTC B1627/82 is output	C

HINT:

DTCs other than DTC B1622/81 and B1627/82 may be output at this time, but they are not related to this check.

B REPLACE SIDE AIRBAG SENSOR RH

RS

C

REPLACE CENTER AIRBAG SENSOR
ASSEMBLY

A

USE SIMULATION METHOD TO CHECK