

DTC	B1648/82	Front Passenger Side Satellite Sensor Bus Initialization Incomplete
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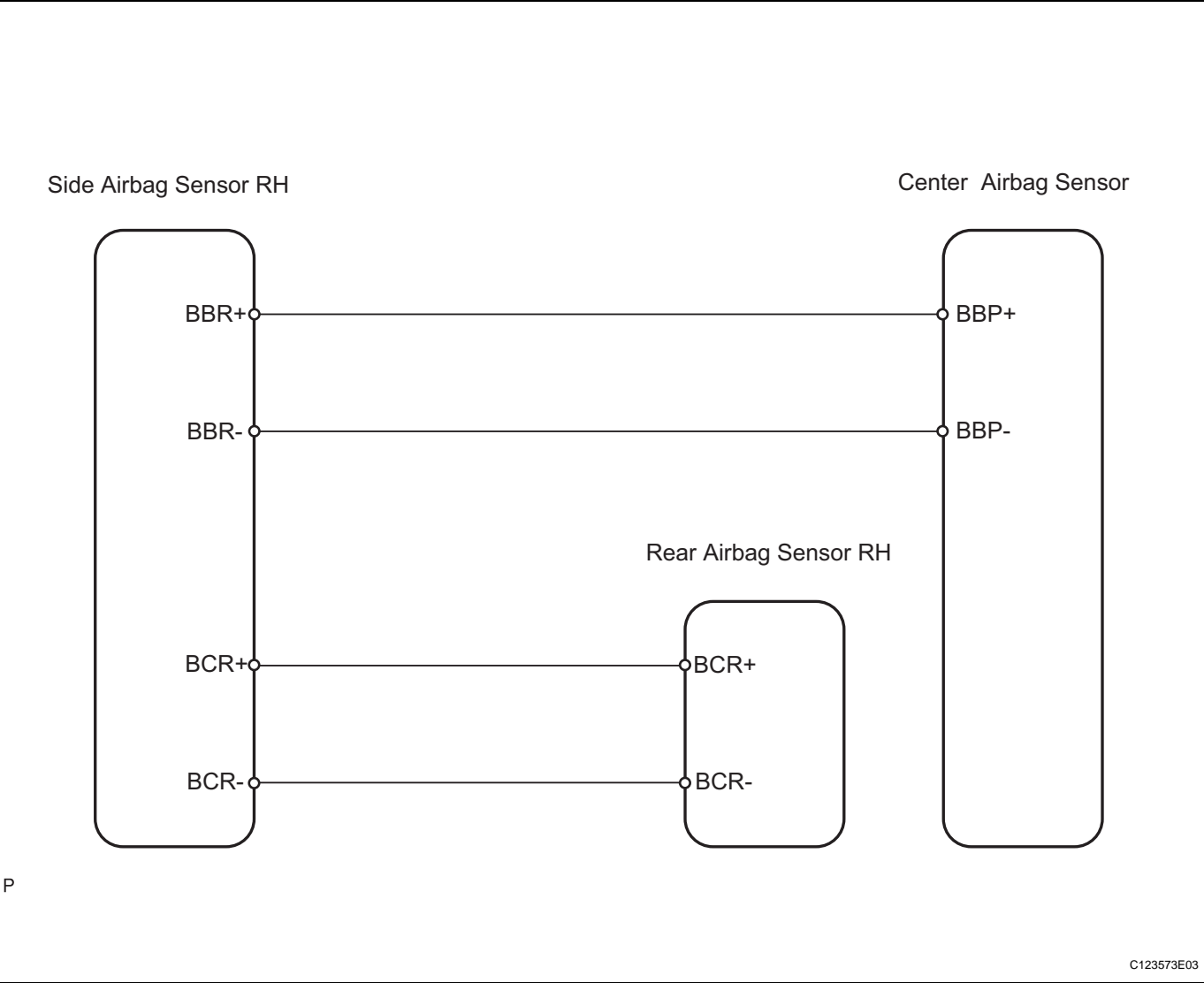
DESCRIPTION

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

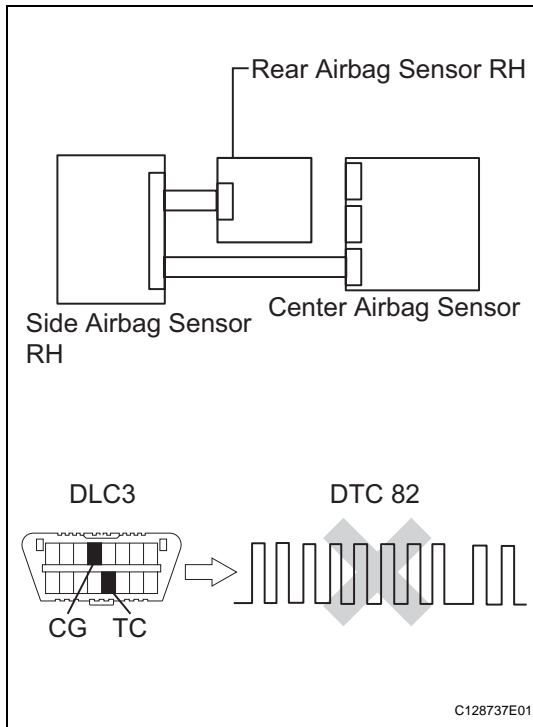
DTC B1648/82 is recorded when a malfunction is detected in the rear airbag sensor RH circuit.

DTC No.	DTC Detection Condition	Trouble Area
B1648/82	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 rear airbag sensor RH circuit for 2 seconds.Rear airbag sensor RH malfunctionCenter airbag sensor malfunction	<ul style="list-style-type: none">Floor wireRear airbag sensor RHCenter airbag sensor

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK FOR DTC

- 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 B1627/82 is not output.****DTC B1637/82 is not output.****HINT:**

DTCs other than DTC B1627/82 and B1637/82 may be output at this time, but they are not related to this check.

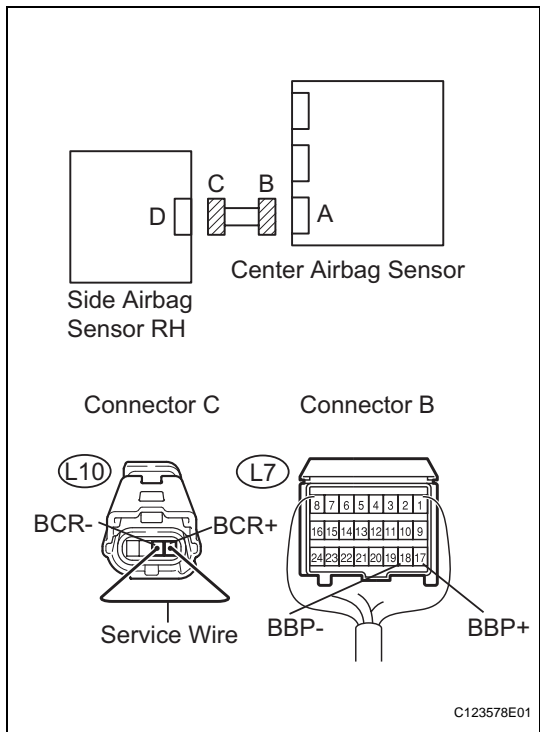
NG**GO TO DTC OUTPUT****OK****2 CHECK CONNECTION OF CONNECTOR**

- Turn the ignition switch OFF.
- Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.
- 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****RS**

3

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 connector.
- Standard resistance**

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

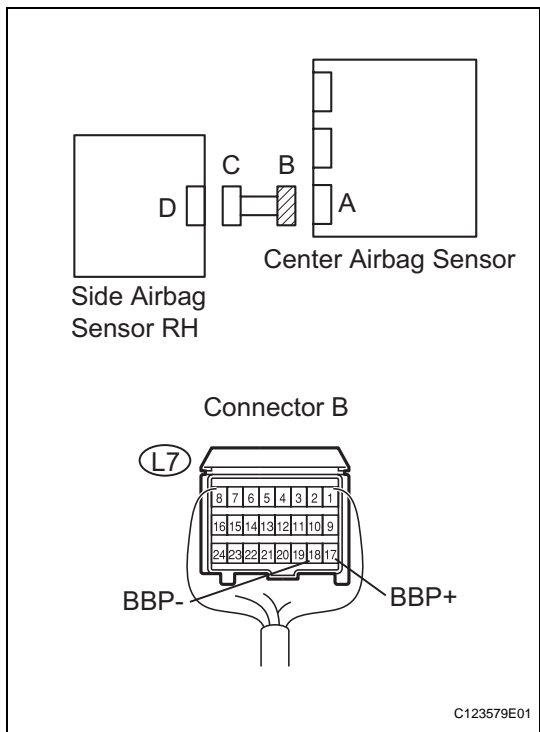
NG

REPAIR OR REPLACE FLOOR WIRE

OK

4

CHECK FLOOR WIRE (SHORT)



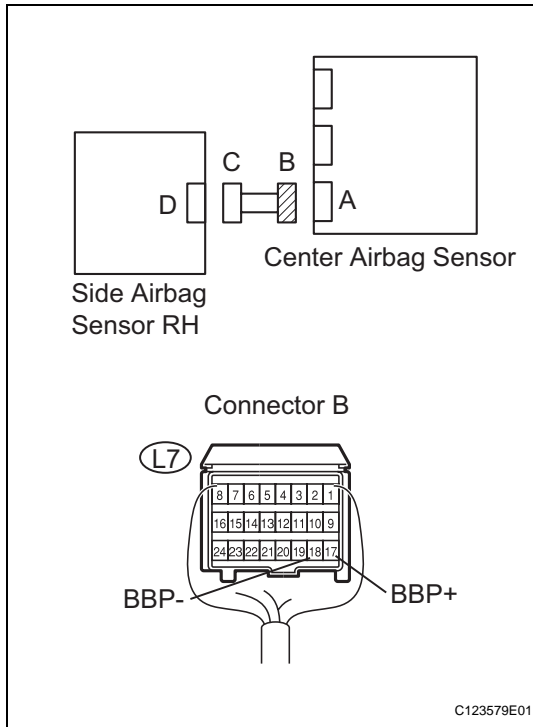
- (a) Disconnect the service wire from connector C.
- (b) Measure the resistance of the wire harness side connector.
- Standard resistance**

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

NG

REPAIR OR REPLACE FLOOR WIRE

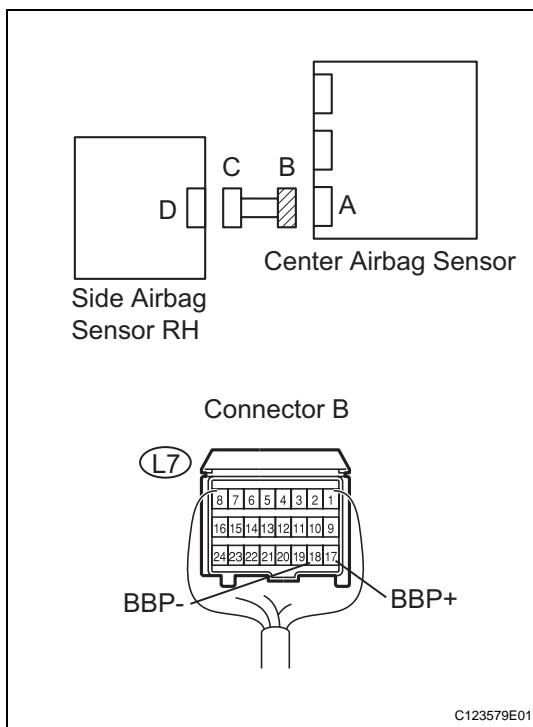
OK

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
L7-17 (BBP+) - Body ground	Below 1 V
L7-18 (BBP-) - 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 connector.

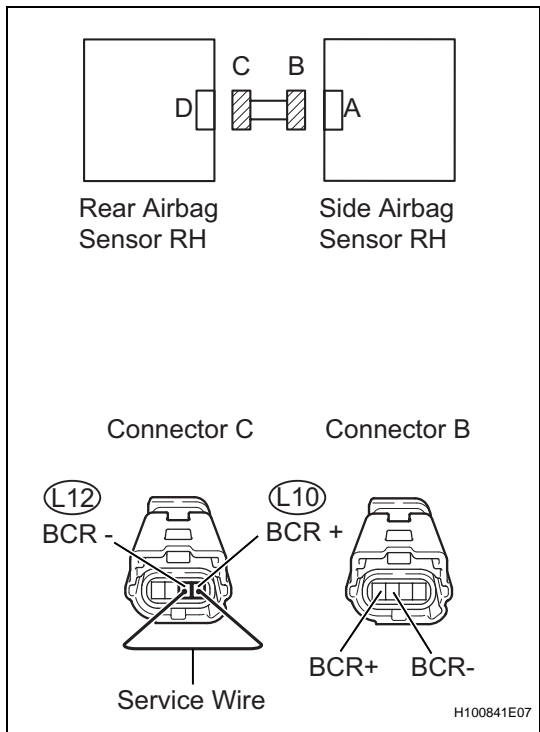
Standard resistance

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

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

7

CHECK FLOOR WIRE (OPEN)



- (a) Disconnect the connectors from the side airbag sensor RH and the rear airbag sensor RH.
- (b) Using a service wire, connect L12-1 (BCR-) and L12-2 (BCR+) 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 connector.

Standard resistance

Tester Connection	Specified Condition
L10-1 (BCR+) - L10-2 (BCR-)	Below 1 Ω

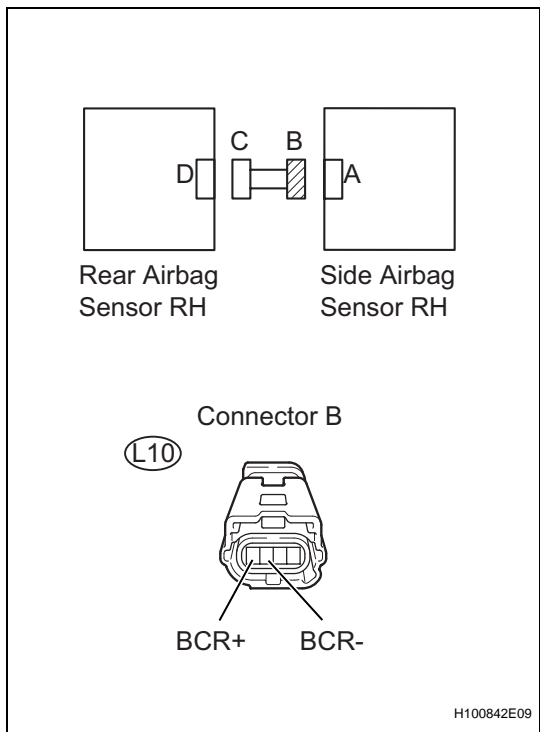
NG

REPAIR OR REPLACE FLOOR WIRE

OK

8

CHECK FLOOR WIRE (SHORT)



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

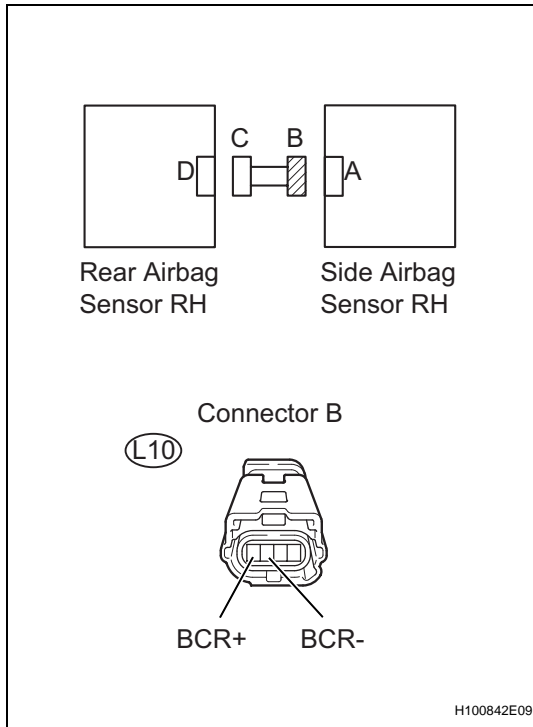
Standard resistance

Tester Connection	Specified Condition
L10-1 (BCR+) - L10-2 (BCR-)	1 MΩ or higher

NG

REPAIR OR REPLACE FLOOR WIRE

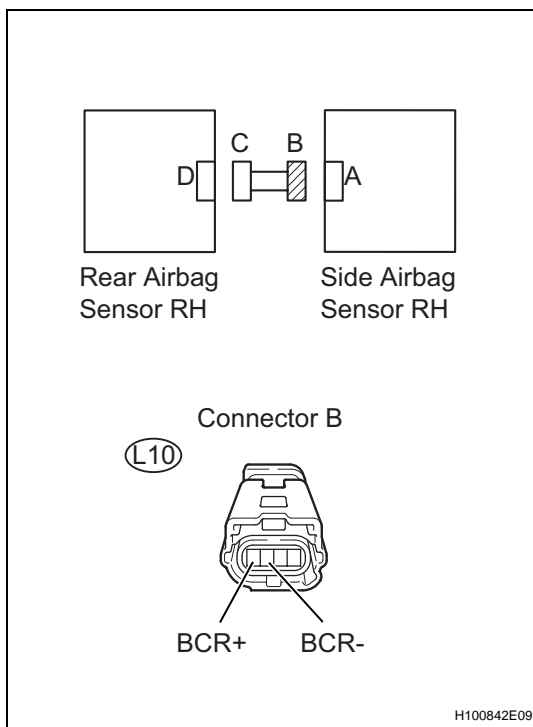
OK

9 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
L10-1 (BCR+) - Body ground	Below 1 V
L10-2 (BCR-) - Body ground	Below 1 V

NG**REPAIR OR REPLACE FLOOR WIRE****OK****10 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 connector.

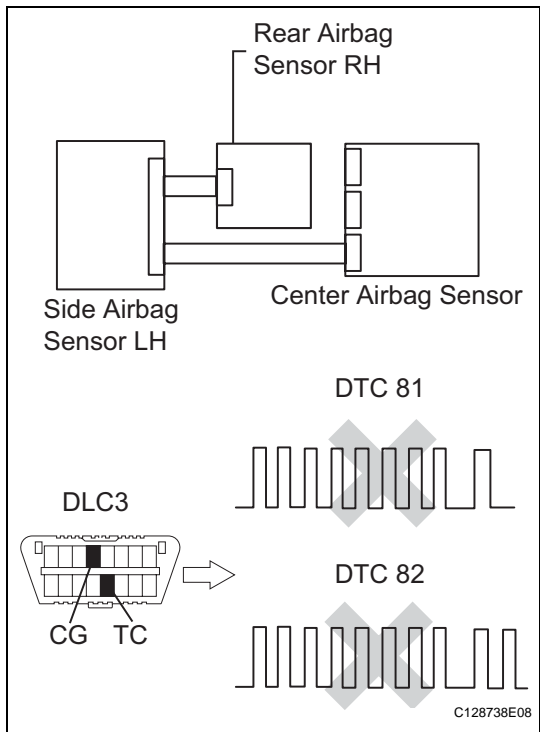
Standard resistance

Tester Connection	Specified Condition
L10-1 (BCR+) - Body ground	1 M Ω or higher
L10-2 (BCR-) - Body ground	1 M Ω or higher

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

11

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 B1643/81 and B1648/82 are not output	A
DTC B1648/82 is output	B
DTC B1643/81 is output	C

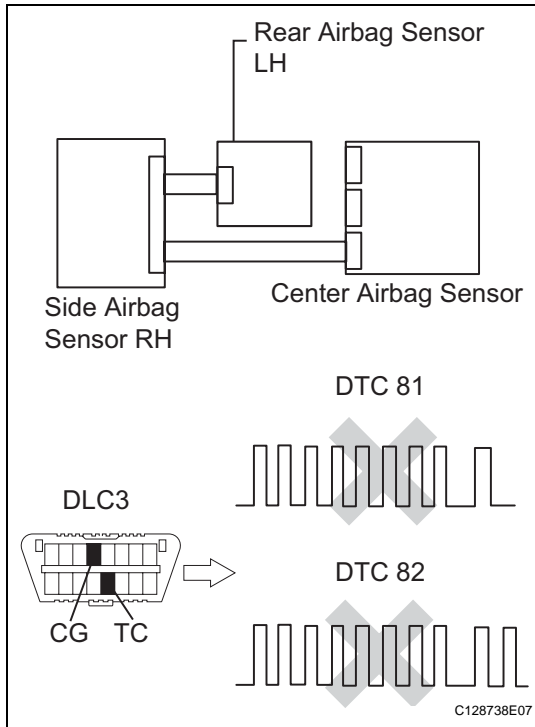
HINT:
DTCs other than DTC B1643/81 or B1648/82 may be output at this time, but they are not related to this check.

- B

REPLACE CENTER AIRBAG SENSOR ASSEMBLY
- C

REPLACE SIDE AIRBAG SENSOR RH

A

12 CHECK REAR AIRBAG SENSOR RH

- Turn the ignition switch OFF.
- Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.
- Interchange the rear airbag sensor LH with the rear airbag sensor RH and connect the connectors to them.
- 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](#)).

Result

Result	Proceed to
DTC B1643/81 and B1648/82 are not output	A
DTC B1648/82 is output	B
DTC B1643/81 is output	C

B**REPLACE CENTER AIRBAG SENSOR ASSEMBLY****C****REPLACE REAR AIRBAG SENSOR RH****A****USE SIMULATION METHOD TO CHECK****RS**