

<b>DTC</b>	<b>B1623/81</b>	<b>Driver Side - Side Airbag Sensor Assembly Initialization Incomplete</b>
<b>DTC</b>	<b>B1632/81</b>	<b>Lost Communication with Driver Side Rear Airbag Sensor</b>
<b>DTC</b>	<b>B1633/81</b>	<b>Driver Side Rear Airbag Sensor Initialization Incomplete</b>
<b>DTC</b>	<b>B1642/81</b>	<b>Lost Communication with Driver Side Satellite Sensor Bus</b>

**DESCRIPTION**

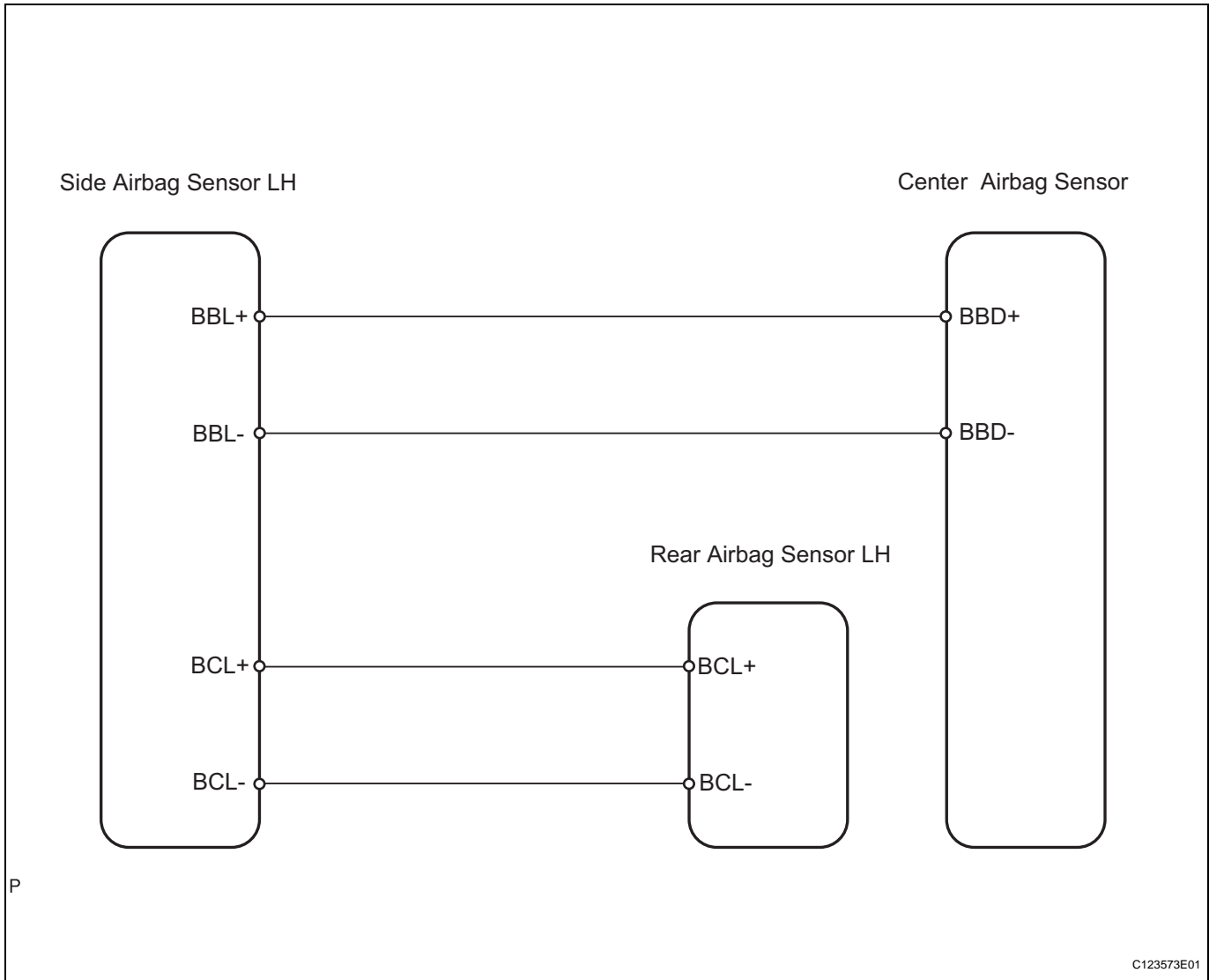
The side airbag sensor LH consists of part including the diagnostic circuit and the lateral deceleration sensor.

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

DTC B1623/81, B1632/81, B1633/81 or B1642/81 is set when a malfunction is detected in the side airbag sensor LH circuit.

<b>DTC No.</b>	<b>DTC Detection Condition</b>	<b>Trouble Area</b>
B1623/81 B1632/81 B1633/81 B1642/81	When one of following conditions is met: <ul style="list-style-type: none"> <li>• Center airbag sensor detects line short signal, open signal, short to ground signal or short to B+ signal in side airbag sensor LH circuit for 2 seconds.</li> <li>• Side airbag sensor LH malfunction</li> <li>• Center airbag sensor malfunction</li> </ul>	<ul style="list-style-type: none"> <li>• Floor wire</li> <li>• Side airbag sensor LH</li> <li>• Center airbag sensor</li> </ul>

## WIRING DIAGRAM



## INSPECTION PROCEDURE

## 1 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 LH and the side airbag sensor LH.

OK:

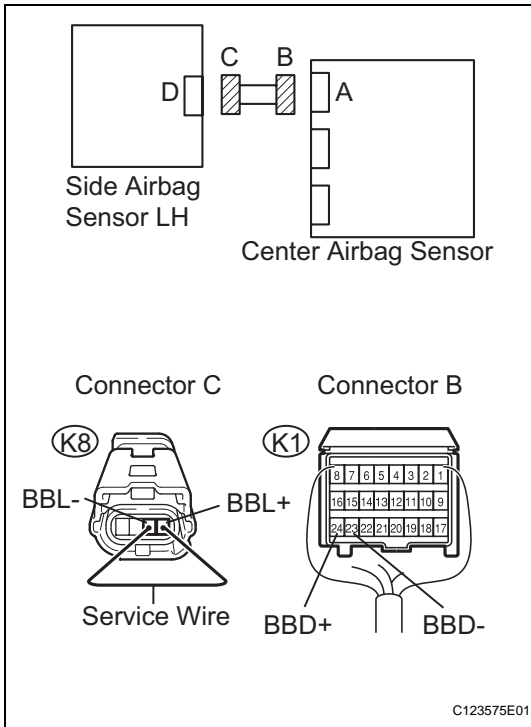
The connectors are properly connected.

NG

CONNECT CONNECTOR

OK

**2 CHECK FLOOR WIRE (OPEN)**



- (a) Disconnect the connectors from the center airbag sensor and the side airbag sensor LH.
- (b) Using a service wire, connect K8-4 (BBL+) and K8-3 (BBL-) 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.

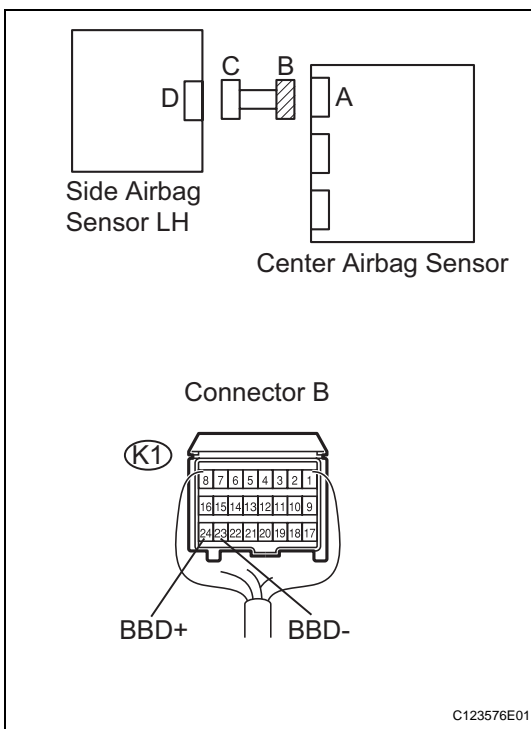
**Standard resistance**

Tester Connection	Specified Condition
K1-24 (BBD+) - K1-23 (BBD-)	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.

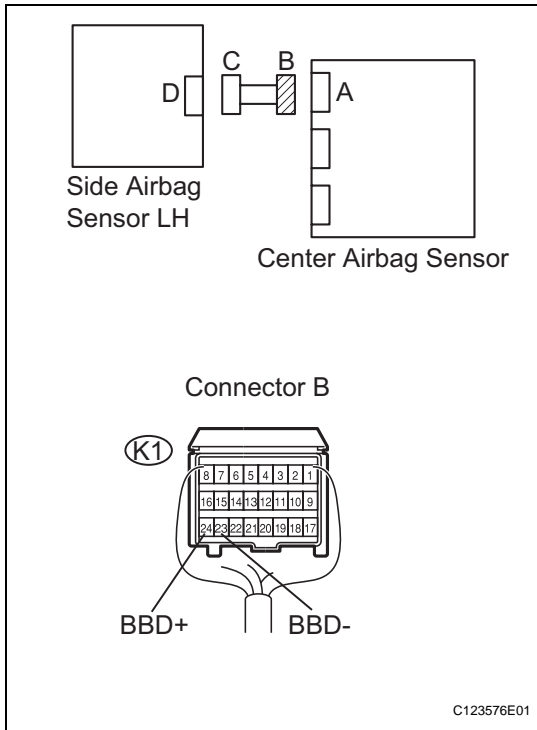
**Standard resistance**

Tester Connection	Specified Condition
K1-24 (BBD+) - K1-23 (BBD-)	1 MΩ or higher

**NG** → **REPAIR OR REPLACE FLOOR WIRE**

**OK**

**4 CHECK FLOOR WIRE (TO B+)**



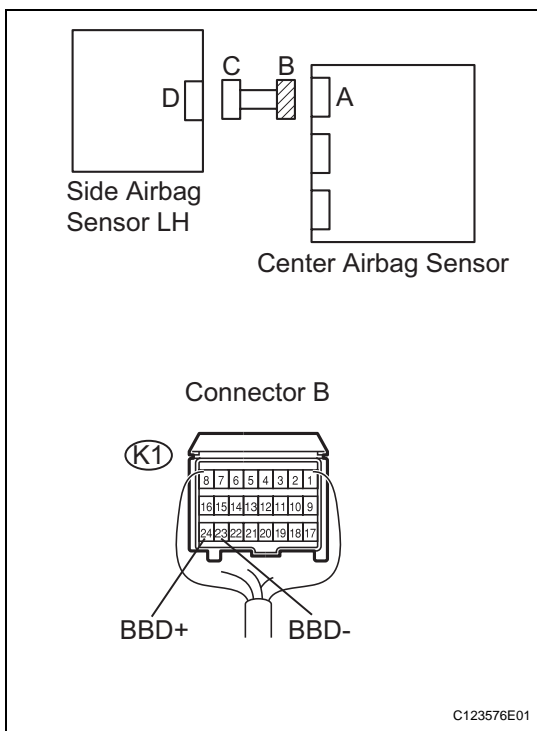
- (a) Connect the cable to the negative (-) battery terminal, and wait for at least 2 seconds.
  - (b) Turn the ignition switch ON.
  - (c) Measure the voltage of the wire harness side connector.
- Standard voltage**

Tester Connection	Specified Condition
K1-24 (BBD+) - Body ground	Below 1 V
K1-23 (BBD-) - Body ground	Below 1 V

**NG** REPAIR OR REPLACE FLOOR WIRE

**OK**

**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**

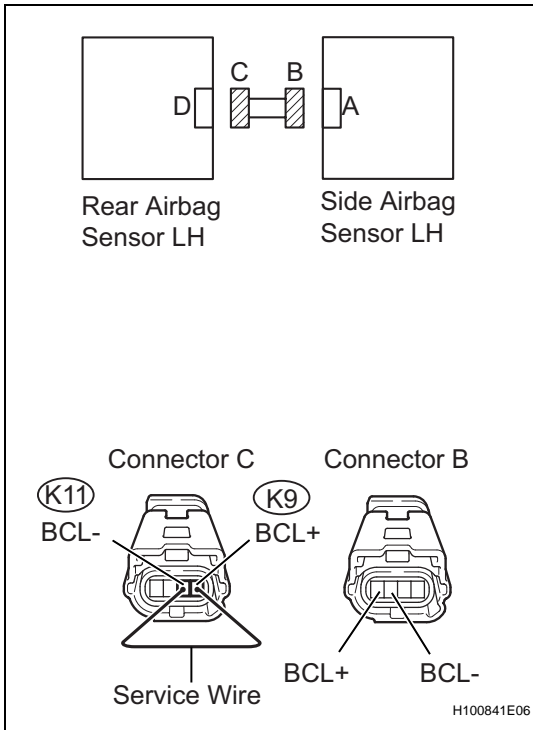
Tester Connection	Specified Condition
K1-24 (BBD+) - Body ground	1 MΩ or higher
K1-23 (BBD-) - Body ground	1 MΩ or higher

**NG** REPAIR OR REPLACE FLOOR WIRE

**OK**

RS

**6 CHECK FLOOR WIRE (OPEN)**



- (a) Disconnect the connectors from the side airbag sensor LH and the rear airbag sensor LH.
- (b) Using a service wire, connect K11-1 (BCL-) and K11-2 (BCL+) 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.

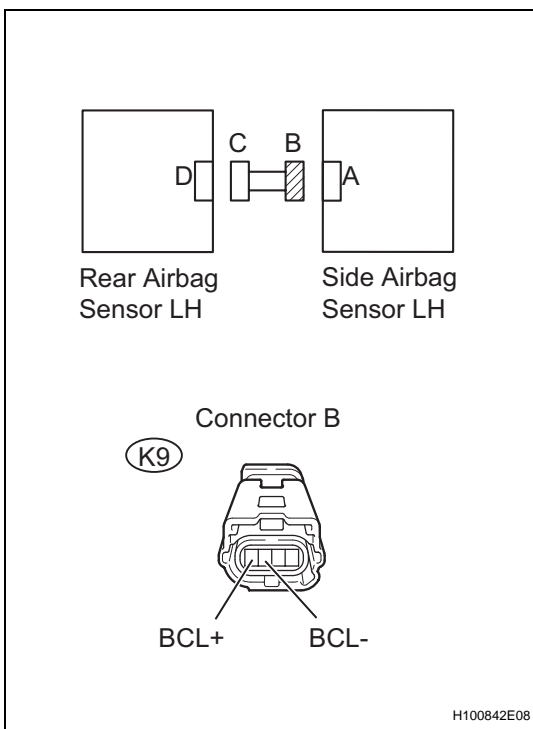
**Standard resistance**

Tester Connection	Specified Condition
K9-1 (BCL+) - K9-2 (BCL-)	Below 1 Ω

**NG** REPAIR OR REPLACE FLOOR WIRE

**OK**

**7 CHECK FLOOR WIRE (SHORT)**



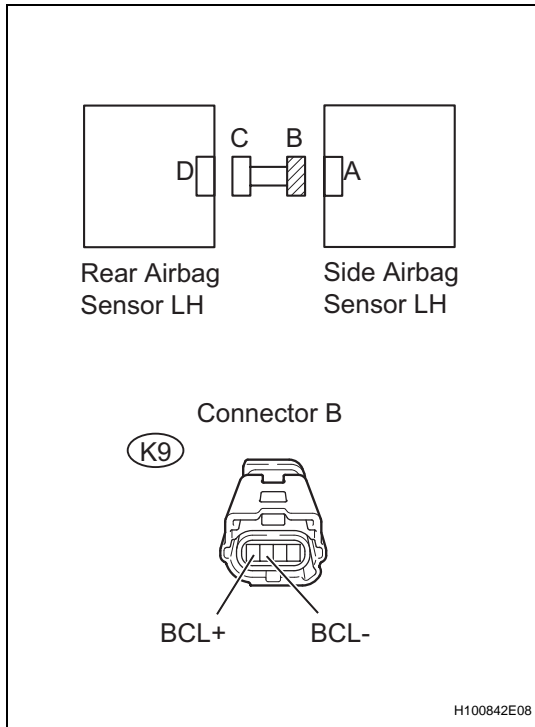
- (a) Disconnect the service wire from connector C.
- (b) Measure the resistance of the wire harness side connector.

**Standard resistance**

Tester Connection	Specified Condition
K9-1 (BCL+) - K9-2 (BCL-)	1 MΩ or higher

**NG** REPAIR OR REPLACE FLOOR WIRE

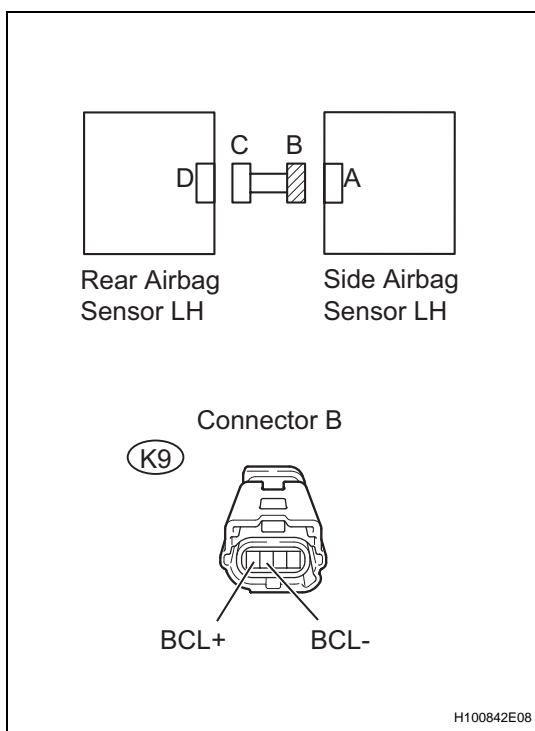
**OK**

**8 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
K9-1 (BCL+) - Body ground	Below 1 V
K9-2 (BCL-) - Body ground	Below 1 V

**NG****REPAIR OR REPLACE FLOOR WIRE****OK****9 CHECK FLOOR WIRE (TO GROUND)**

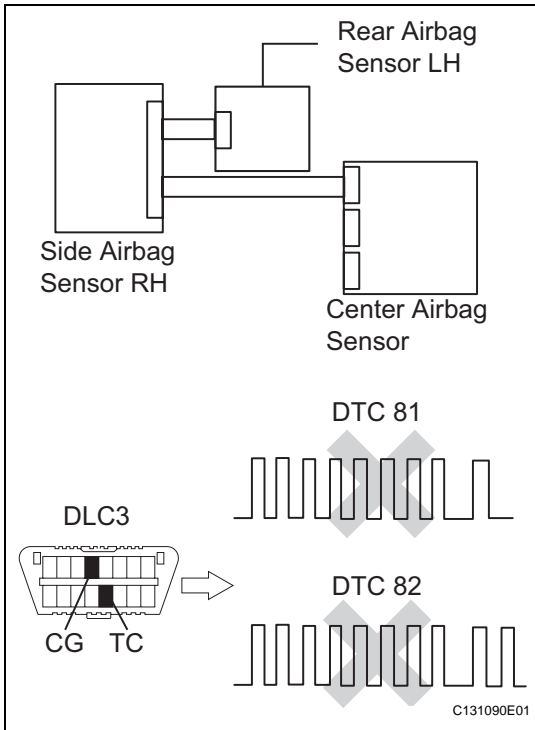
- Turn the ignition switch OFF.
- Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.
- Measure the resistance of the wire harness side connector.

**Standard resistance**

Tester Connection	Specified Condition
K9-1 (BCL+) - Body ground	1 MΩ or higher
K9-2 (BCL-) - Body ground	1 MΩ or higher

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

**10 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 B1623/81, B1632/81, B1633/81, B1642/81, B1628/82, B1637/82, B1638/82 and B1647/82 is not output	A
DTC B1623/81, B1632/81, B1633/81 and B1642/81 are output	B
DTC B1628/82, B1637/82, B1638/82 and B1647/82 are output	C

**HINT:**

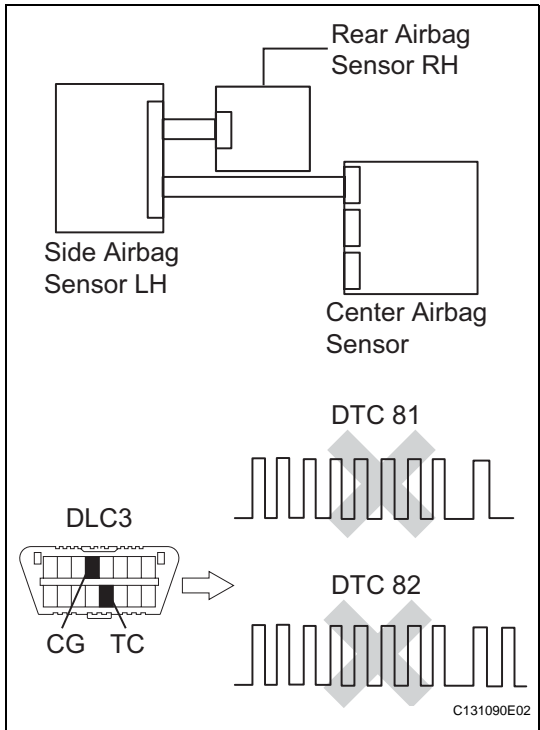
DTCs other than DTC B1623/81, B1632/81, B1633/81, B1642/81, B1628/82, B1637/82, B1638/82 and B1647/82 may be output at this time, but they are not relate to this check.

**B** → **REPLACE CENTER AIRBAG SENSOR ASSEMBLY**

**C** → **REPLACE SIDE AIRBAG SENSOR RH**

**A**

**11 CHECK REAR AIRBAG SENSOR RH**



- (a) Turn the ignition switch OFF.
- (b) Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.
- (c) Interchange the rear airbag sensor RH with the rear airbag sensor LH and connect the connectors to them.
- (d) Connect the cable to the negative (-) battery terminal, and wait for at least 2 seconds.
- (e) Turn the ignition switch ON, and wait for at least 60 seconds.
- (f) Clear the DTCs (see page RS-49).
- (g) Turn the ignition switch OFF.
- (h) Turn the ignition switch ON, and wait for at least 60 seconds.
- (i) Check the DTCs (see page RS-49).

**Result**

Result	Proceed to
DTC B1623/81, B1632/81, B1633/81, B1642/81, B1628/82, B1637/82, B1638/82 and B1647/82 is not output	A
DTC B1623/81, B1632/81, B1633/81 and B1642/81 are output	B
DTC B1628/82, B1637/82, B1638/82 and B1647/82 are output	C

**HINT:**

DTCs other than DTC B1623/81, B1632/81, B1633/81, B1642/81, B1628/82, B1637/82, B1638/82 and B1647/82 may be output at this time, but they are not relate to this check.

**RS**

**B** → **REPLACE CENTER AIRBAG SENSOR ASSEMBLY**

**C** → **REPLACE REAR AIRBAG SENSOR RH**

**A**

**USE SIMULATION METHOD TO CHECK**