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|------------|-----------------|--|
| DTC | B1622/81 | Lost Communication with Driver Side - Side Airbag Sensor Assembly |
|------------|-----------------|--|

DESCRIPTION

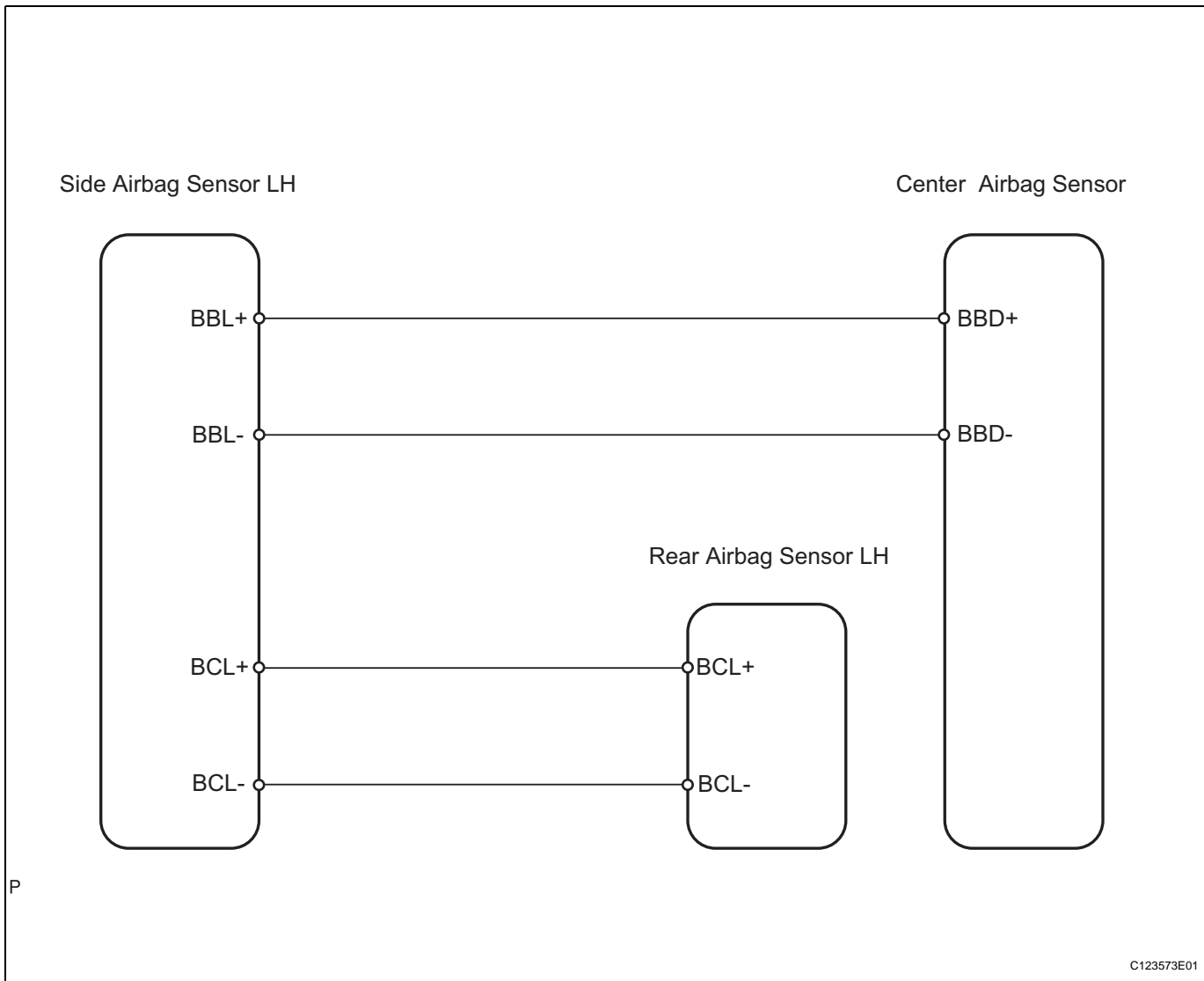
The side airbag sensor LH consists of part including the diagnostic circuit and the lateral deceleration sensor.

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

DTC B1622/81 is set when a malfunction is detected in the side airbag sensor LH circuit.

| DTC No. | DTC Detection Condition | Trouble Area |
|----------|---|---|
| B1622/81 | 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 side airbag sensor LH circuit for 2 seconds. • Side airbag sensor LH malfunction • Center airbag sensor malfunction | <ul style="list-style-type: none"> • Floor wire • Side airbag sensor LH • Center airbag sensor |

WIRING DIAGRAM



RS

P

INSPECTION PROCEDURE

1 CHECK CONNECTION OF CONNECTOR

- (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 LH and the side airbag sensor LH.

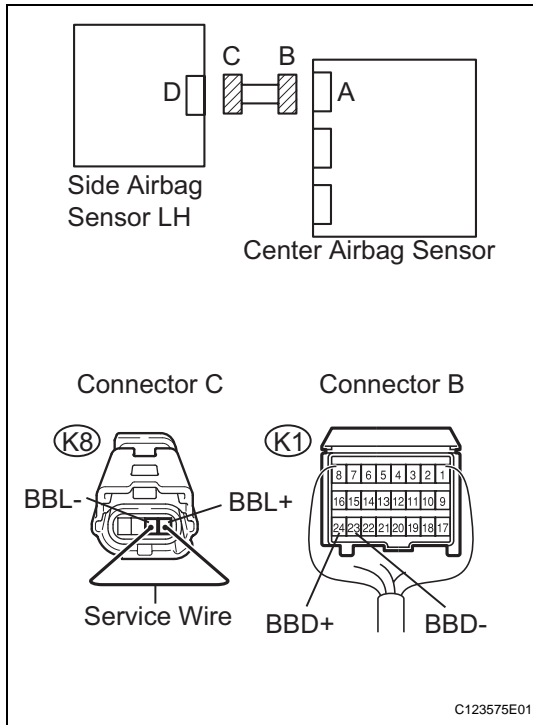
OK:

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.

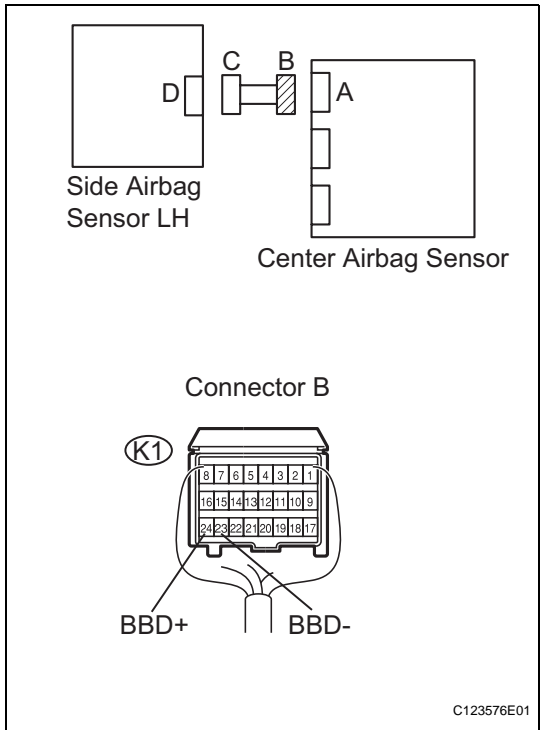
Standard resistance

| 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

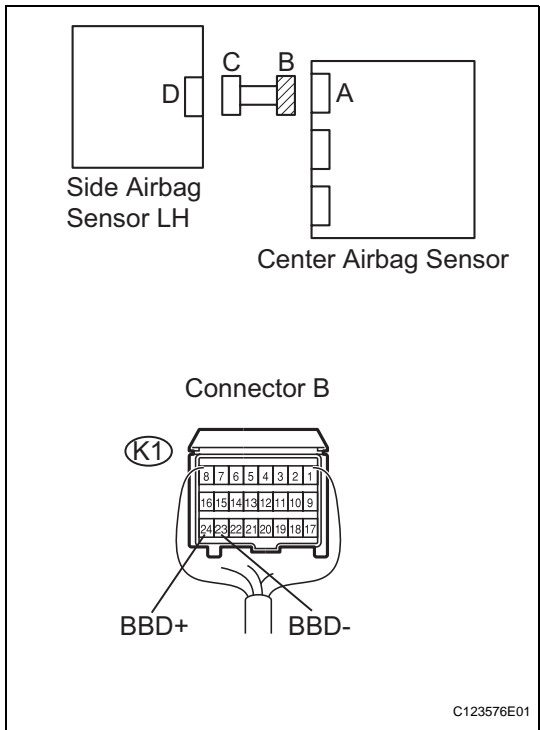
| Tester Connection | Specified Condition |
|-----------------------------|---------------------|
| K1-24 (BBD+) - K1-23 (BBD-) | 1 MΩ or higher |

NG REPAIR OR REPLACE FLOOR WIRE

OK

4 CHECK FLOOR WIRE (TO B+)

RS



- (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.

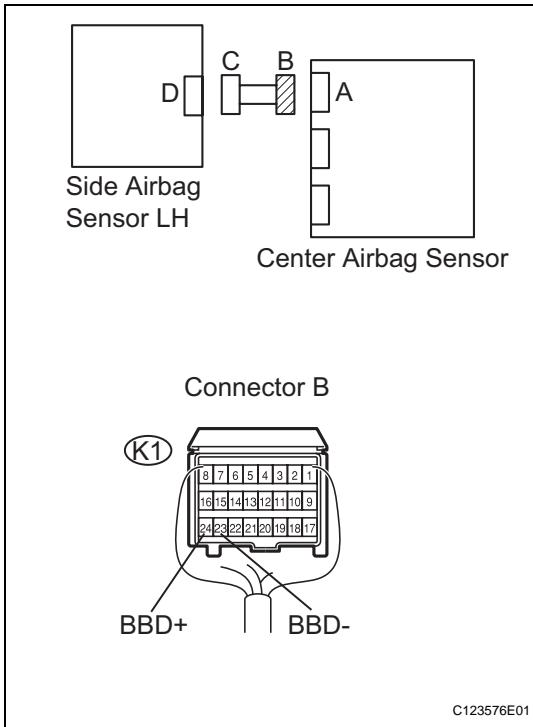
Standard voltage

| 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.

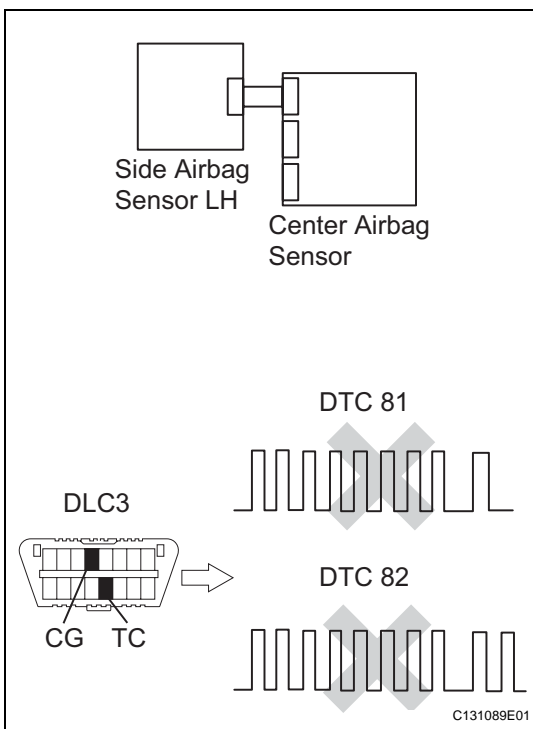
Standard resistance

| 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

6 CHECK SIDE AIRBAG SENSOR LH



- (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 B1627/82 is output. | B |
| DTC B1622/81 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 LH

C

REPLACE CENTER AIRBAG SENSOR ASSEMBLY

A

USE SIMULATION METHOD TO CHECK