DTC	B1620/21	Driver Side - Side Airbag Sensor Circuit Malfunction

DTC	B1625/22	Front Passenger Side - Side Airbag Sensor Circuit Malfunction

DESCRIPTION

The side airbag sensor assembly LH consists of parts such as the safing sensor, the diagnostic circuit and the lateral deceleration sensor. The configuration of the side airbag sensor assembly RH is the same as that of the LH.

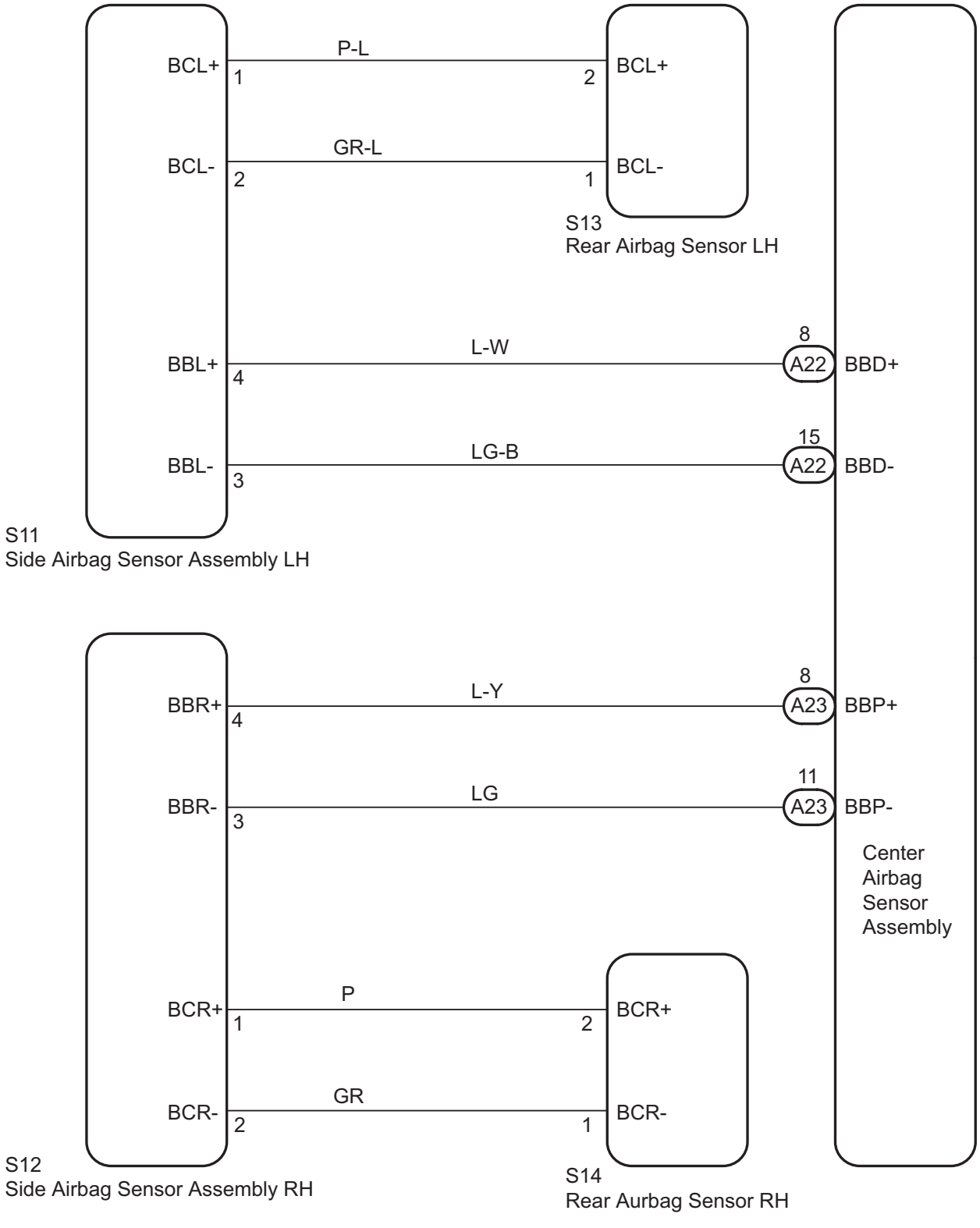
When the airbag sensor assembly center receives signals from the lateral deceleration sensor, it determines whether or not the SRS should be activated.

DTC B1620/21 is set when a malfunction is detected in the side airbag sensor assembly (driver seat side) circuit.

DTC B1625/22 is set when a malfunction is detected in the side airbag sensor assembly (front passenger seat side) circuit.

DTC No.	DTC Detecting Conditions	Trouble Areas
B1620/21	• The center airbag sensor assembly receives a line short circuit signal, an open circuit signal, a short circuit to ground signal or a short circuit to B+ signal in the side airbag sensor assembly (Driver seat side) circuit for 2 seconds • Side airbag sensor assembly LH malfunction • Rear airbag sensor LH malfunction • Center airbag sensor assembly malfunction	• Side airbag sensor assembly LH • Rear airbag sensor LH • Center airbag sensor assembly • No. 2 floor wire
B1625/22	• The center airbag sensor assembly receives a line short circuit signal, an open circuit signal, a short circuit to ground signal or a short circuit to B+ signal in the side airbag sensor assembly (Front passenger seat side) circuit for 2 seconds • Side airbag sensor assembly RH malfunction • Rear airbag sensor RH malfunction • Center airbag sensor assembly malfunction	• Side airbag sensor assembly RH • Rear airbag sensor RH • Center airbag sensor assembly • Floor wire

WIRING DIAGRAM



RS

NOTICE:
In order to prevent unexpected airbag deployment, disconnect the following connectors before inspecting parts such as wire harnesses, if the application of tester probes to the center airbag sensor assembly connector is necessary.
(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.
(d) Disconnect the connectors from the steering pad.
(e) Disconnect the connector from the front passenger airbag assembly.
(f) Disconnect the connector from the front seat airbag assembly LH.
(g) Disconnect the connector from the front seat airbag assembly RH.
HINT:
Skip the following steps if side and curtain shield airbags are not fitted.
(h) Disconnect the connector from the curtain shield airbag assembly LH.
(i) Disconnect the connector from the curtain shield airbag assembly RH.
(j) Disconnect the connector from the front seat outer belt assembly LH.
(k) Disconnect the connector from the front seat outer belt assembly RH.

1 CHECK DTC

(a) Proceed to the appropriate step according to DTC readings.
(1) Check the DTC (See page RS-34.
Result

Result	Proceed to
DTC B1620/21 is output.	A
DTC B1625/22 is output.	B
DTC B1620/21 and B1625/22 are output.	C
Neither DTC B1620/21 nor B1625/22 is output.	D

B → **Go to step 17**
C → **Go to step 32**
D → **USE SIMULATION METHOD TO CHECK**

A

RS

2 CHECK CONNECTION OF CONNECTORS

(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) Check that the connectors are properly connected to the center airbag sensor assembly and the side airbag sensor assembly LH.
OK:
The connectors are properly connected.

NG → **CONNECT CONNECTORS**

OK

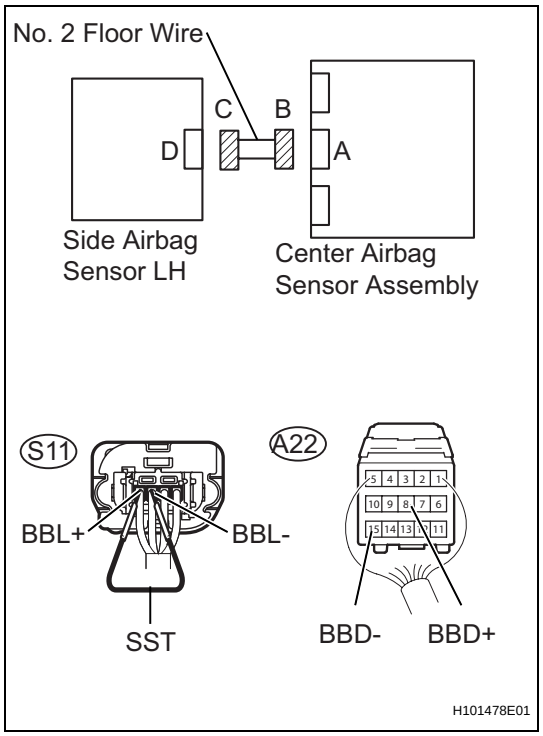
3	CHECK CONNECTORS

(a) Check that the connectors (on the center airbag sensor assembly side and side airbag sensor assembly LH side) are not damaged (See page IN-34).
OK:
The connectors are not deformed or damaged.

NG → **REPAIR OR REPLACE WIRE HARNESS**

OK

4	CHECK NO. 2 FLOOR WIRE (FOR OPEN)



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(a) Disconnect the connectors from the center airbag sensor assembly and the side airbag sensor assembly LH.
(b) Using SST, connect S11-4 (BBL+) and S11-3 (BBL-) of connector C.
(c) Measure the resistance.
Standard resistance

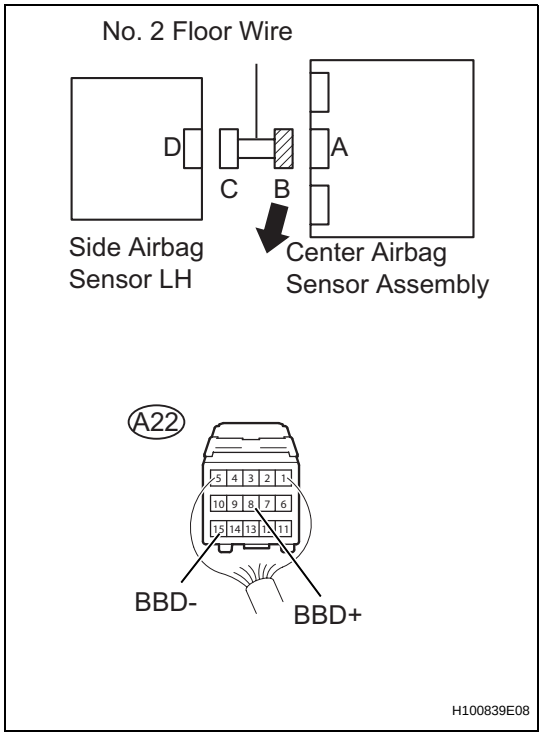
Tester Connection	Condition	Specified Condition
A22-8 (BBD+) - A22-15 (BBD-)	Always	Below 1 Ω

NG → **REPAIR OR REPLACE NO. 2 FLOOR WIRE**

OK

RS

5 CHECK NO. 2 FLOOR WIRE (FOR SHORT)



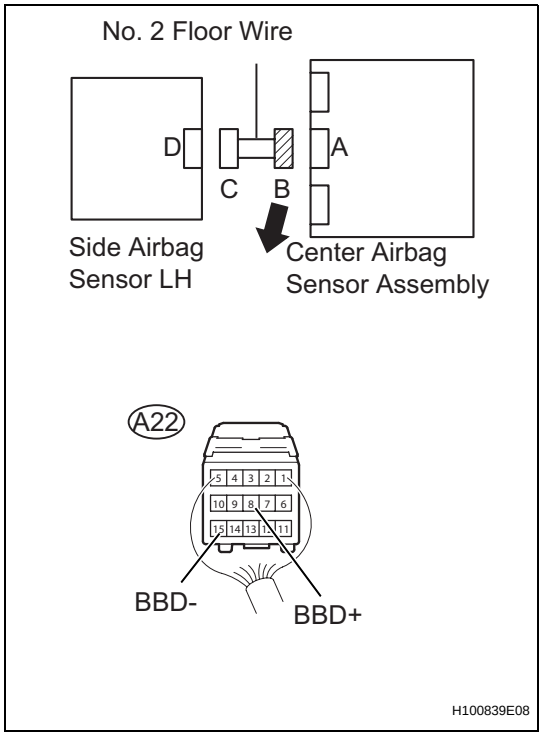
(a) Disconnect the SST from connector C.
(b) Measure the resistance.
Standard resistance

Tester Connection	Condition	Specified Condition
A22-8 (BBD+) - A22-15 (BBD-)	Always	1 MΩ or Higher

NG → REPAIR OR REPLACE NO. 2 FLOOR WIRE

OK

6 CHECK NO. 2 FLOOR WIRE (TO B+)



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

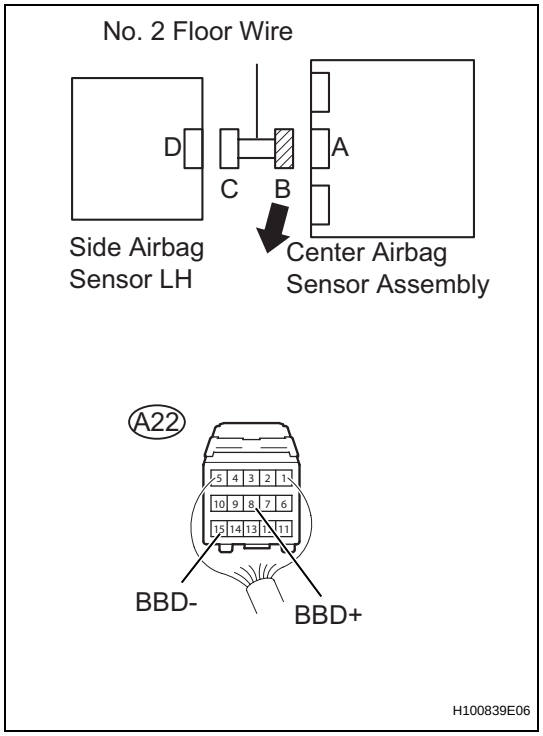
Tester Connection	Condition	Specified Condition
A22-8 (BBD+) - Body ground	Ignition switch ON	Below 1 V
A22-15 (BBD-) - Body ground	Ignition switch ON	Below 1 V

NG → REPAIR OR REPLACE NO. 2 FLOOR WIRE

OK

RS

7 CHECK NO. 2 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.

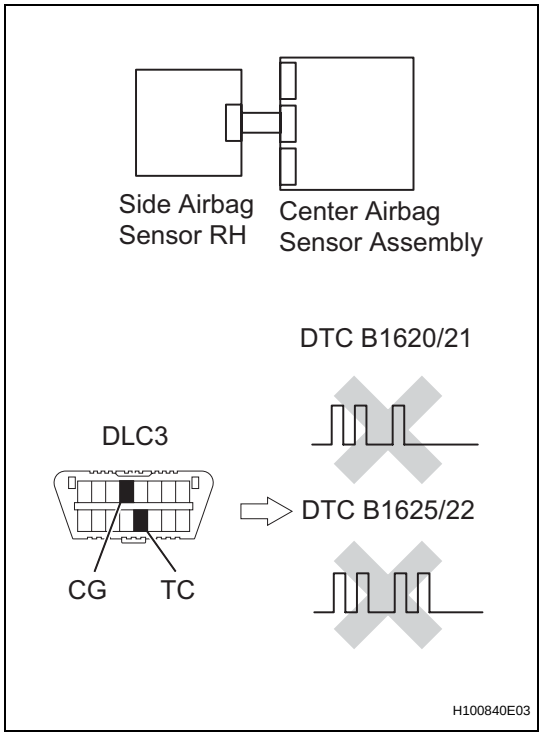
Standard resistance

Tester Connection	Condition	Specified Condition
A22-8 (BBD+) - Body ground	Always	1 MΩ or Higher
A22-15 (BBD-) - Body ground	Always	1 MΩ or Higher

NG → REPAIR OR REPLACE NO. 2 FLOOR WIRE

OK

8 CHECK SIDE AIRBAG SENSOR ASSEMBLY LH



(a) Connect the connectors to the center airbag sensor assembly.
(b) Interchange the side airbag sensor assembly RH with the side airbag sensor assembly LH and connect the connectors to them.
(c) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
(d) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(e) Clear the DTCs stored in the memory (See page RS-34).
(f) Turn any ignition switch to the LOCK position.
(g) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(h) Check for DTCs (See page RS-34).

Result

Result	Proceed to
DTC B1620/21 is output.	A
DTC B1625/22 is output.	B
Neither DTC B1620/21 nor B1625/22 is output.	C

B → REPLACE REAR AIRBAG SENSOR LH

C → USE SIMULATION METHOD TO CHECK

RS

A

9	CHECK CONNECTION OF CONNECTORS

(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) Check that the connectors are properly connected to the rear airbag sensor LH.
OK:
The connectors are properly connected.

NG → **CONNECT CONNECTORS**

OK

10	CHECK CONNECTORS

(a) Check that the connectors (on the side airbag sensor assembly LH side and rear airbag sensor LH side) are not damaged (See page IN-34).
OK:
The connectors are not deformed or damaged.

NG → **REPAIR OR REPLACE WIRE HARNESS**

OK

11	CHECK NO. 2 FLOOR WIRE (FOR OPEN)

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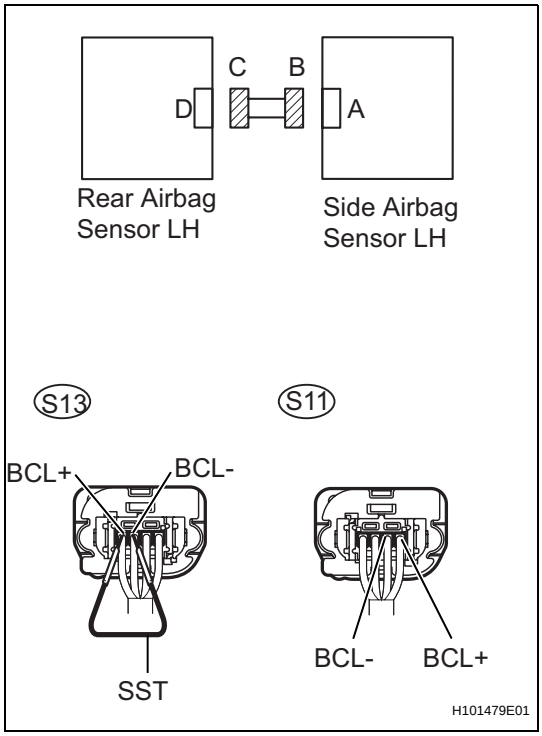


(a) Disconnect the connectors from the side airbag sensor assembly LH and the rear airbag sensor LH.
(b) Using SST, connect S13-1 (BCL-) and S13-2 (BCL+) of connector C.
(c) Measure the resistance.
Standard resistance

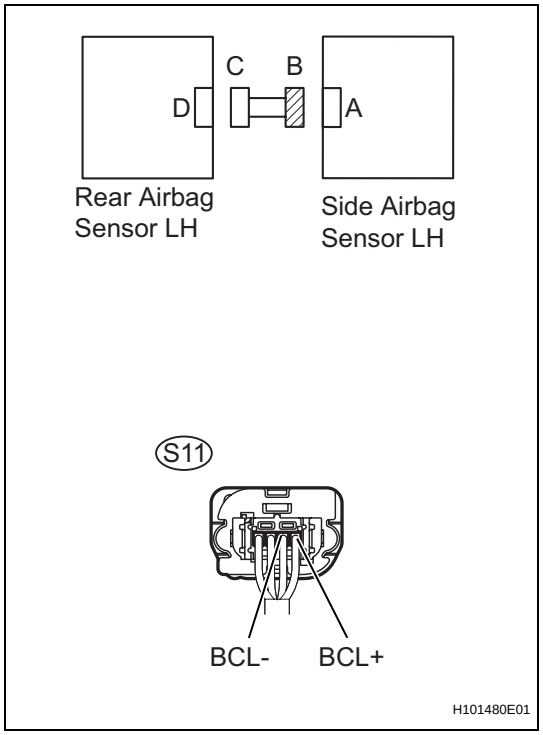
Tester Connection	Condition	Specified Condition
S11-1 (BCL+) - S11-2 (BCL-)	Always	Below 1 Ω

NG → **REPAIR OR REPLACE NO. 2 FLOOR WIRE**

RS

OK

12 CHECK NO. 2 FLOOR WIRE (FOR SHORT)



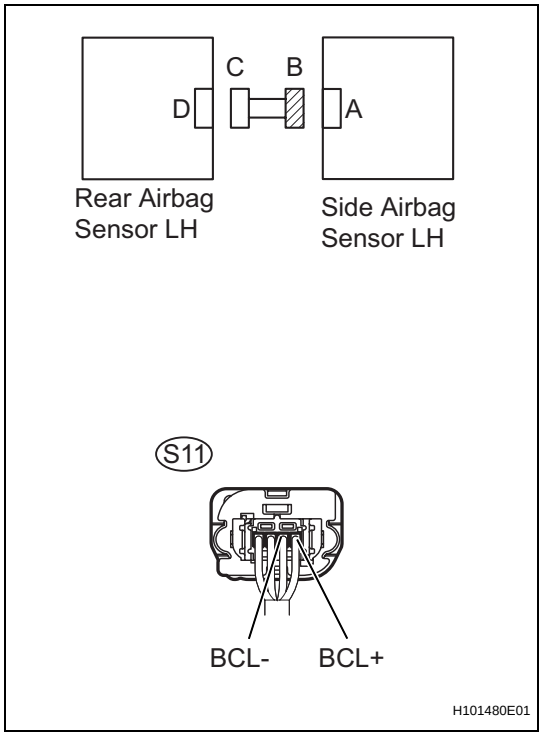
(a) Disconnect the SST from connector C.
(b) Measure the resistance.
Standard resistance

Tester Connection	Condition	Specified Condition
S11-1 (BCL+) - S11-2 (BCL-)	Always	1 MΩ or Higher

NG → REPAIR OR REPLACE NO. 2 FLOOR WIRE

OK

13 CHECK NO. 2 FLOOR WIRE (TO B+)



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

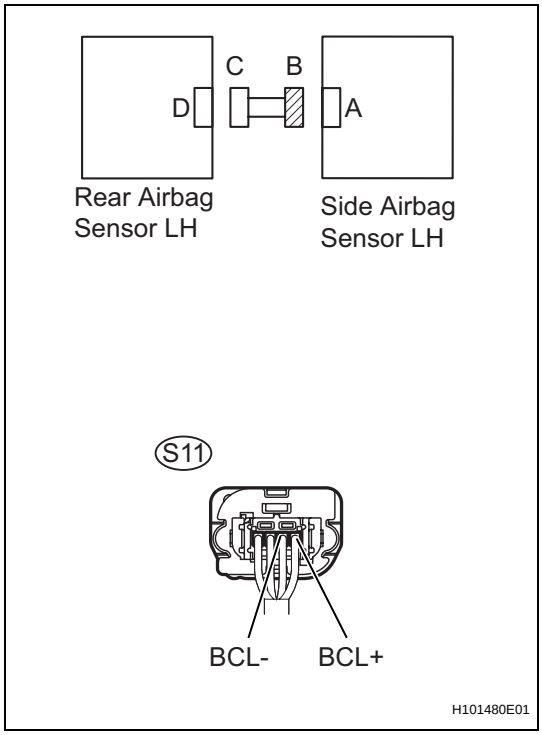
Tester Connection	Condition	Specified Condition
S11-1 (BCL+) - Body ground	Ignition switch ON	Below 1 V
S11-2 (BCL-) - Body ground	Ignition switch ON	Below 1 V

NG → REPAIR OR REPLACE NO. 2 FLOOR WIRE

RS

OK

14 CHECK NO. 2 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.

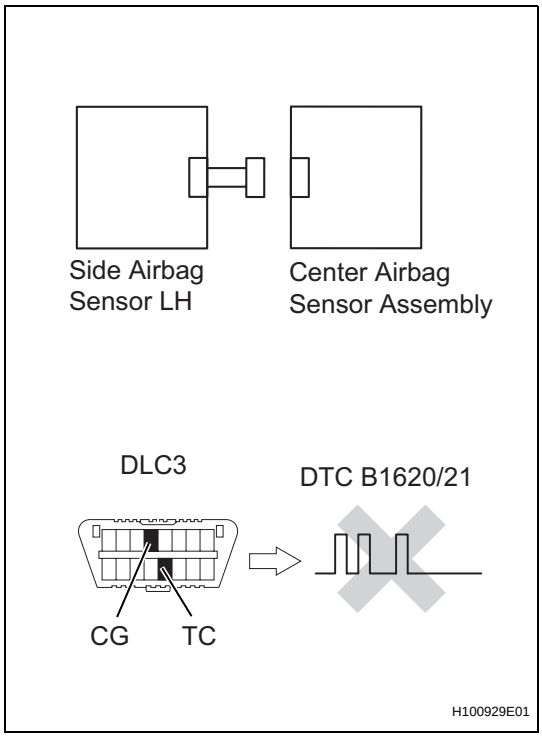
Standard resistance

Tester Connection	Condition	Specified Condition
S11-1 (BCL+) - Body ground	Always	1 MΩ or Higher
S11-2 (BCL-) - Body ground	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE NO. 2 FLOOR WIRE**

OK

15 CHECK DTC



(a) Connect the connectors 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 any DTCs stored in the memory (See page RS-34).
(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 DTCs (See page RS-34).

OK:

DTC B1620/21 is not output.

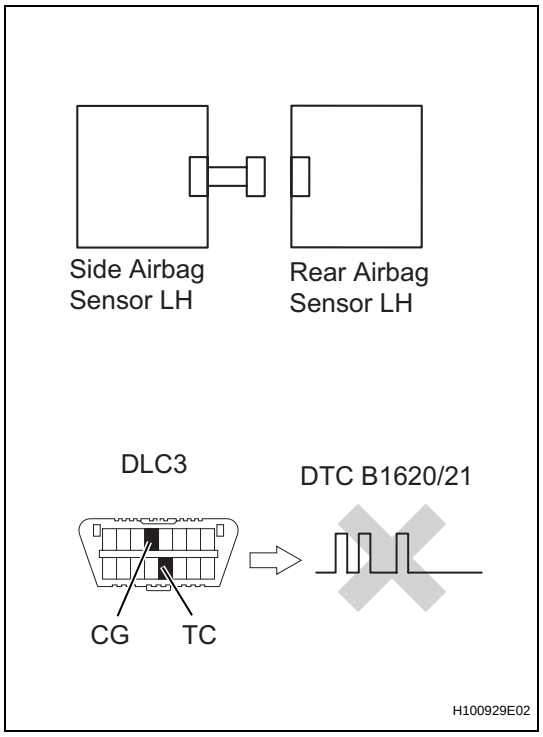
HINT:
DTCs other than B1620/21 may be output at this time, but they are not related to this check.

OK → **REPLACE REAR AIRBAG SENSOR LH**

RS

NG

16	REPLACE CENTER AIRBAG SENSOR ASSEMBLY



(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) Replace the center airbag sensor assembly (See page RS-602).

HINT:
Perform the inspection using parts from a normal vehicle when possible.

(d) Connect the connectors to the center airbag sensor assembly.
(e) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
(f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(g) Clear any DTCs stored in the memory (See page RS-34).
(h) Turn the ignition switch to the LOCK position.
(i) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(j) Check for DTCs (See page RS-34).

OK:
B1620/21 is not output.

HINT:
DTCs other than B1620/21 may be output at this time, but they are not related to this check.

NG → **REPLACE SIDE AIRBAG SENSOR ASSEMBLY LH**

OK

END

RS

17	CHECK CONNECTION OF CONNECTORS

(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) Check that the connectors are properly connected to the center airbag sensor assembly and the side airbag sensor assembly RH.

OK:
The connectors are properly connected.

NG → **CONNECT CONNECTORS**

OK

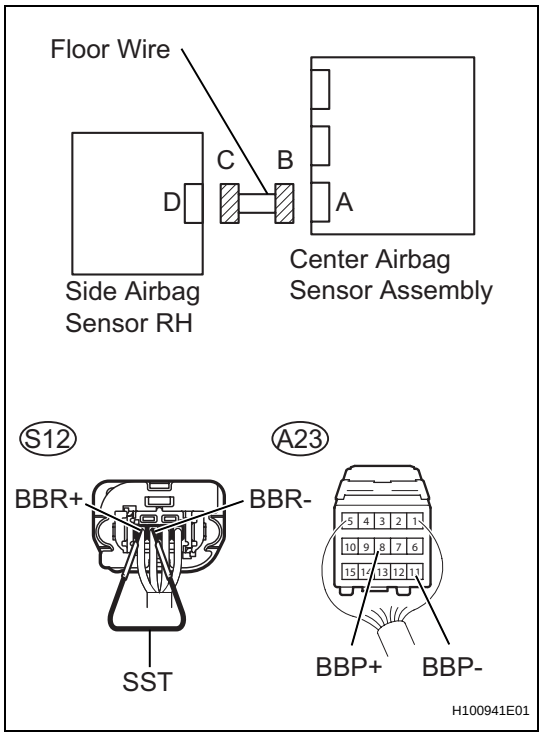
18	CHECK CONNECTORS

(a) Check that the connectors (on the center airbag sensor assembly side and side airbag sensor assembly RH side) are not damaged (See page IN-34).
OK:
The connectors are not deformed or damaged.

NG → **REPAIR OR REPLACE WIRE HARNESS**

OK

19	CHECK FLOOR WIRE (FOR OPEN)



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(a) Disconnect the connectors from the center airbag sensor assembly and the side airbag sensor assembly RH.
(b) Using SST, connect S12-4 (BBR+) and S12-3 (BBR-) of connector C.
(c) Measure the resistance.
Standard resistance

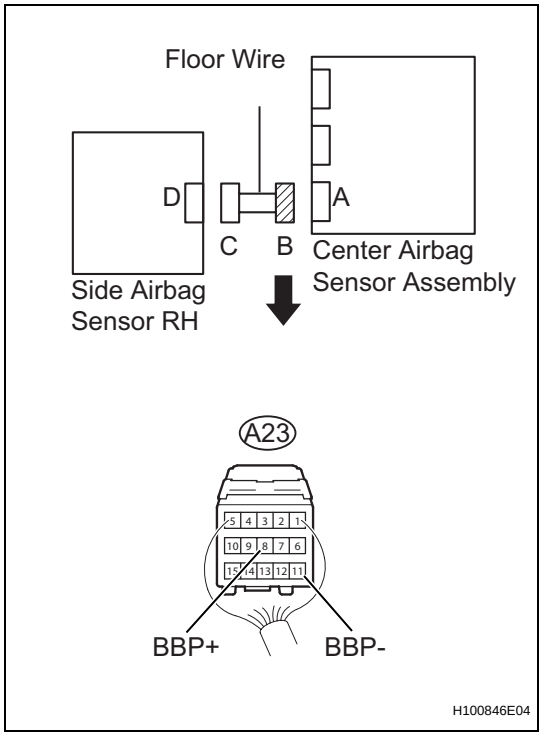
Tester Connection	Condition	Specified Condition
A23-8 (BBP+) - A23-11 (BBP-)	Always	Below 1 Ω

NG → **REPAIR OR REPLACE FLOOR WIRE**

RS

OK

20 CHECK FLOOR WIRE (FOR SHORT)



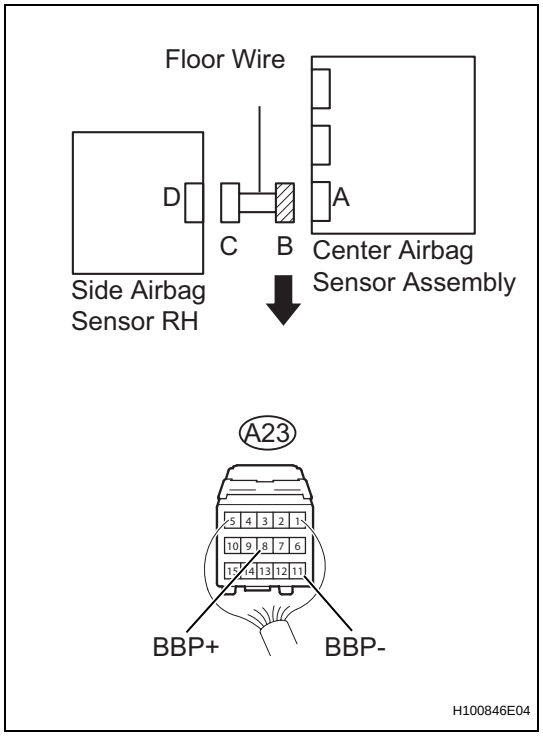
(a) Disconnect the SST from connector C.
(b) Measure the resistance.
Standard resistance

Tester Connection	Condition	Specified Condition
A23-8 (BBP+) - A23-11 (BBP-)	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

21 CHECK FLOOR WIRE (TO B+)



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

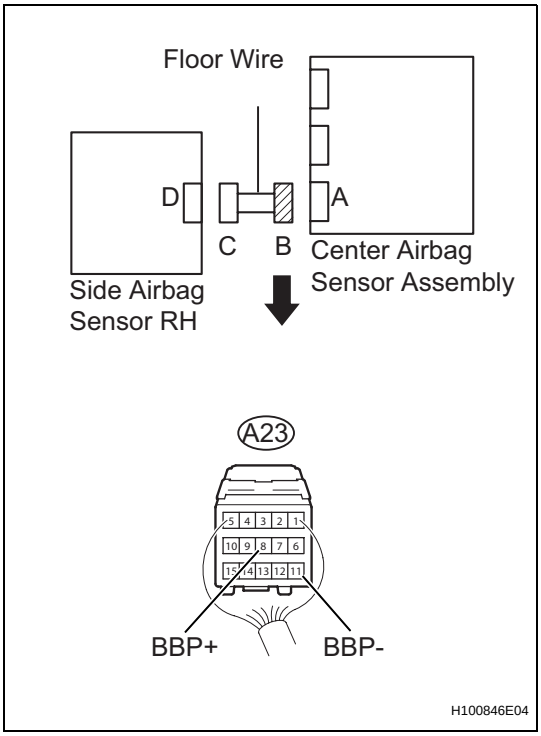
Tester Connection	Condition	Specified Condition
A23-8 (BBP+) - Body ground	Ignition switch	Below 1 V
A23-11 (BBP-) - Body ground	Ignition switch	Below 1 V

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

RS

22 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.

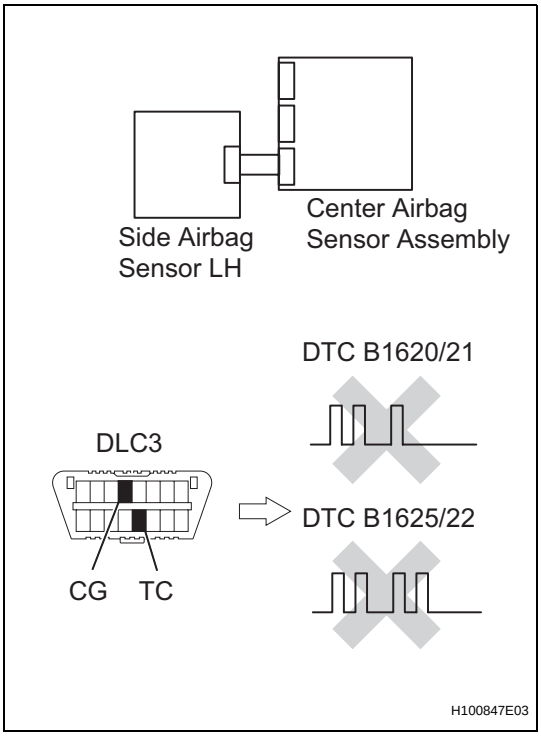
Standard resistance

Tester Connection	Condition	Specified Condition
A23-8 (BBP+) - Body ground	Always	1 MΩ or Higher
A23-11 (BBP-) - Body ground	Always	1 MΩ or Higher

NG → REPAIR OR REPLACE FLOOR WIRE

OK

23 CHECK SIDE AIRBAG SENSOR ASSEMBLY RH



(a) Connect the connectors to the center airbag sensor assembly.
(b) Interchange the side airbag sensor assembly RH with the side airbag sensor assembly LH and connect the connectors to them.
(c) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
(d) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(e) Clear any DTCs stored in the memory (See page RS-34).
(f) Turn the ignition switch to the LOCK position.
(g) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(h) Check for DTCs (See page RS-34).

Result

Result	Proceed to
DTC B1625/22 is output.	A
DTC B1620/21 is output.	B
Neither DTC B1620/21 nor B1625/22 is output.	C

B → REPLACE REAR AIRBAG SENSOR RH

RS

C → USE SIMULATION METHOD TO CHECK

A

24	CHECK CONNECTION OF CONNECTORS

(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) Check that the connectors are properly connected to the center airbag sensor assembly and the side airbag sensor assembly RH.

OK:

The connectors are properly connected.

NG → CONNECT CONNECTORS

OK

25	CHECK CONNECTORS

(a) Check that the connectors (on the side airbag sensor assembly RH side and rear airbag sensor RH side) are not damaged (See page IN-34).

OK:

The connectors are not deformed or damaged.

NG → REPAIR OR REPLACE WIRE HARNESS

OK

26	CHECK FLOOR WIRE (FOR OPEN)

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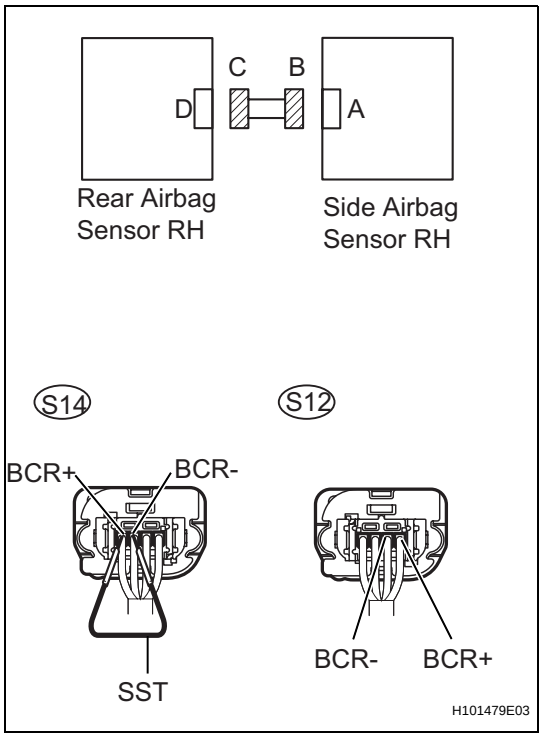


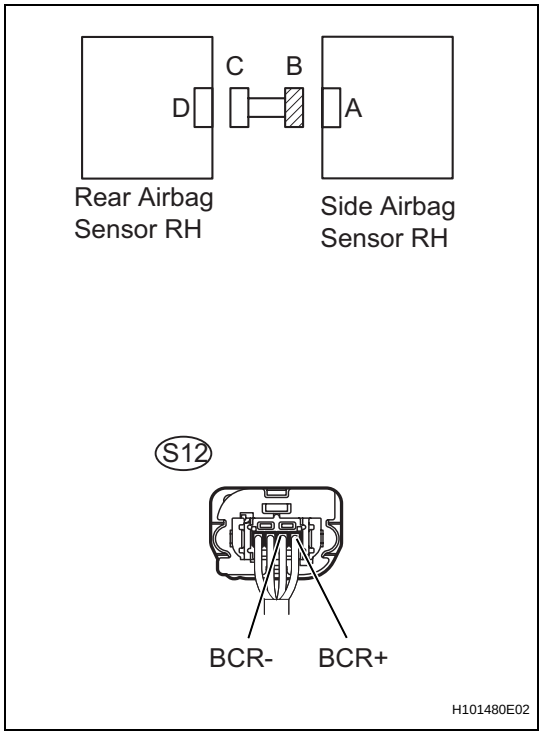
(a) Disconnect the connectors from the side airbag sensor assembly RH and the rear airbag sensor RH.
(b) Using SST, connect S14-1 (BCR-) and S14-2 (BCR+) of connector C.
(c) Measure the resistance.
Standard resistance

Tester Connection	Condition	Specified Condition
S12-1 (BCR+) - S12-2 (BCR-)	Always	Below 1 Ω

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

27 CHECK FLOOR WIRE (FOR SHORT)



(a) Disconnect the SST from connector C.
(b) Measure the resistance.
Standard resistance

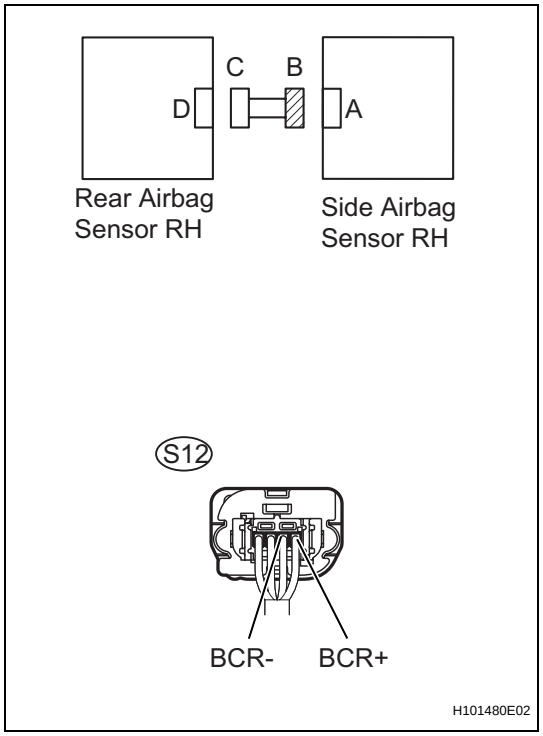
Tester Connection	Condition	Specified Condition
S12-1 (BCR+) - S12-2 (BCR-)	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

RS

28 CHECK FLOOR WIRE (TO B+)



(a) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
(b) Turn the ignition switch to the ON position.
(c) Measure the voltage.

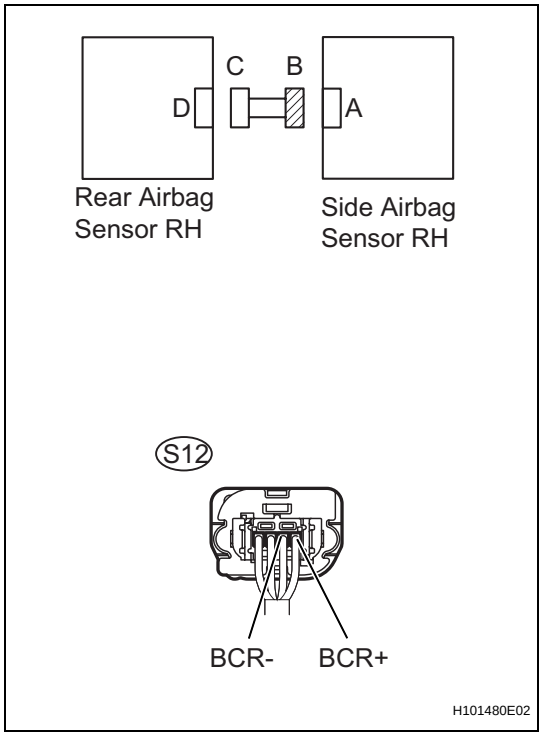
Standard resistance

Tester Connection	Condition	Specified Condition
S12-1 (BCR+) - Body ground	Ignition switch ON	Below 1 V
S12-2 (BCR-) - Body ground	Ignition switch ON	Below 1 V

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

29 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.

Standard resistance

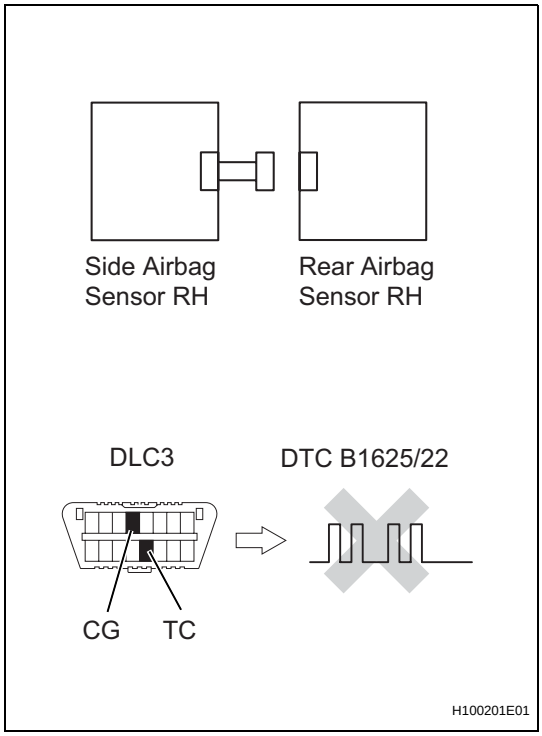
Tester Connection	Condition	Specified Condition
S12-1 (BCR+) - Body ground	Always	1 MΩ or Higher
S12-2 (BCR-) - Body ground	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

RS

30	CHECK DTC



(a) Connect the connectors 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 any DTCs stored in the memory (See page RS-34).
(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 DTCs (See page RS-34).

OK:

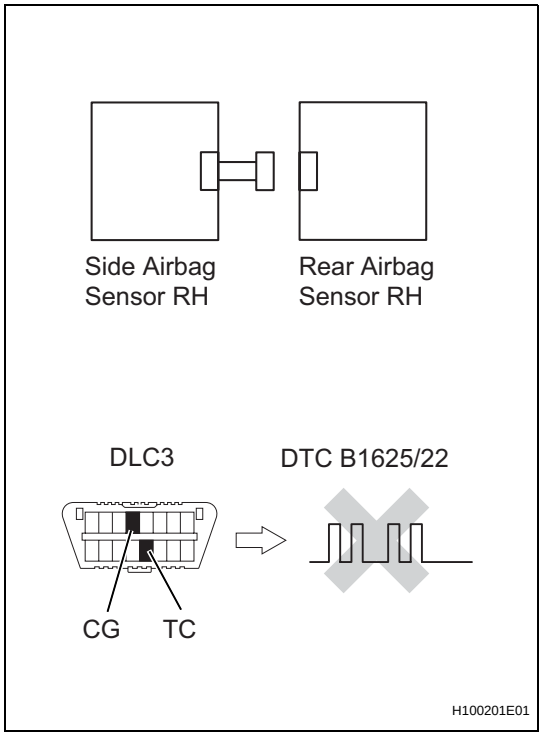
DTC B1625/22 is not output.

HINT:
DTCs other than B1625/22 may be output at this time, but they are not related to this check.

OK → **REPLACE REAR AIRBAG SENSOR RH**

NG

31	CHECK SIDE AIRBAG SENSOR ASSEMBLY RH



(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) Replace the center airbag sensor assembly (See page RS-602).

HINT:
Perform the inspection using parts from a normal vehicle when possible.

(d) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
(e) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(f) Clear any DTCs stored in the memory (See page RS-34).
(g) Turn the ignition switch to the LOCK position.
(h) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(i) Check for DTCs (See page RS-34).

OK:

DTC B1625/22 is not output.

HINT:
DTCs other than B1625/22 may be output at this time, but they are not related to this check.

RS

NG → REPLACE SIDE AIRBAG SENSOR ASSEMBLY RH

OK

END

32 CHECK CONNECTION OF CONNECTORS

(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) Check that the connectors are properly connected to the center airbag sensor assembly and the side airbag sensor assembly LH.
OK:
The connectors are properly connected.

NG → CONNECT CONNECTORS

OK

33 CHECK CONNECTORS

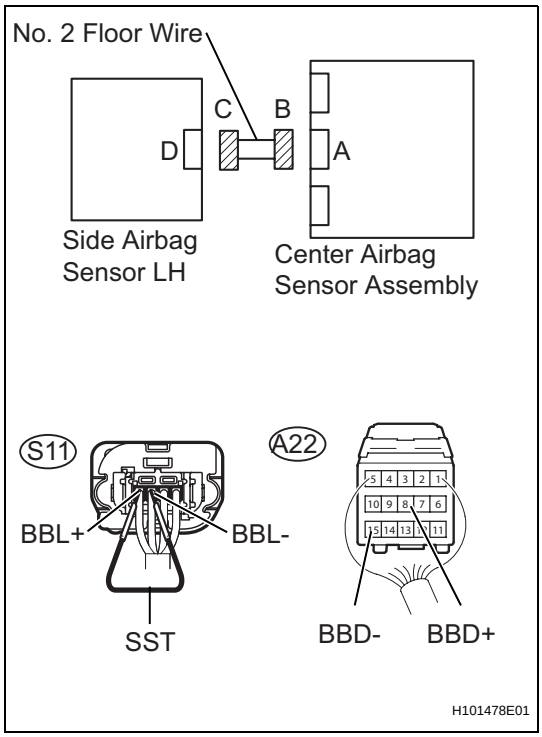
(a) Check that the connectors (on the center airbag sensor assembly side and side airbag sensor assembly LH side) are not damaged (See page IN-34).
OK:
The connectors are not deformed or damaged.

NG → REPAIR OR REPLACE WIRE HARNESS

OK

34 CHECK NO. 2 FLOOR WIRE (FOR OPEN)

SST 09843-18040



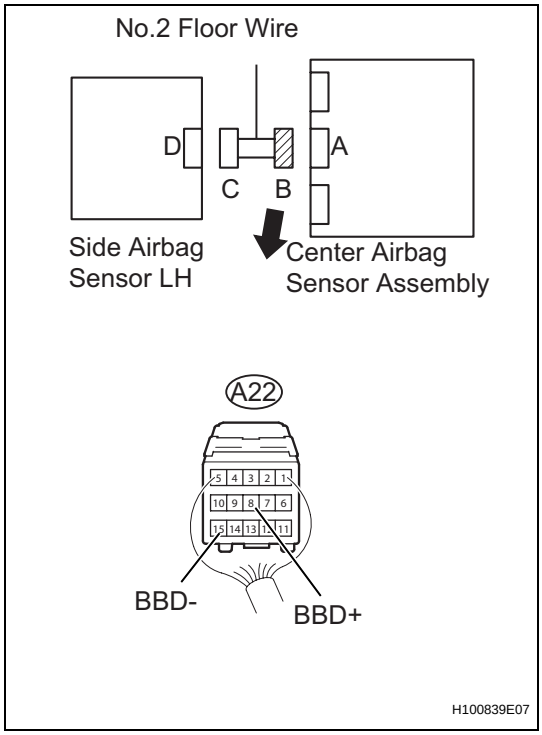
(a) Disconnect the connectors from the center airbag sensor assembly and the side airbag sensor assembly LH.
(b) Using SST, connect S11-4 (BBL+) and S11-3 (BBL-) of connector C.
(c) Measure the resistance.
Standard resistance

Tester Connection	Condition	Specified Condition
A22-8 (BBD+) - A22-15 (BBD-)	Always	Below 1 Ω

NG → **REPAIR OR REPLACE NO. 2 FLOOR WIRE**

OK

35 CHECK NO. 2 FLOOR WIRE (FOR SHORT)



(a) Disconnect the SST from connector C.
(b) Measure the resistance.
Standard resistance

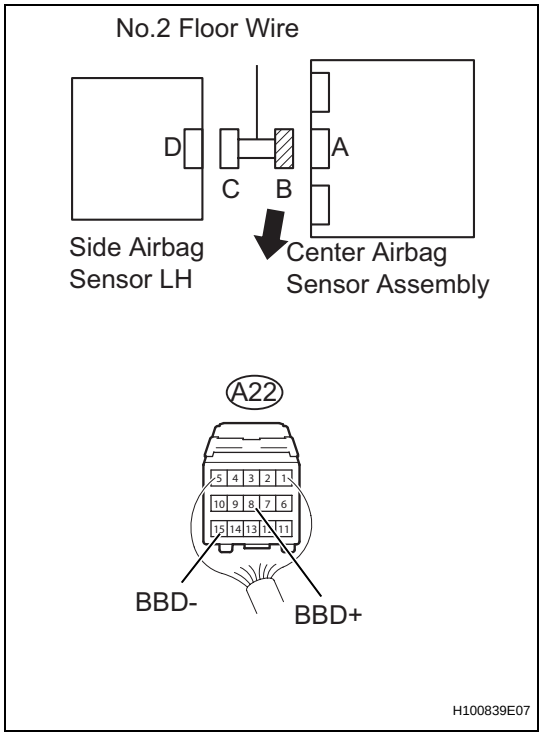
Tester Connection	Condition	Specified Condition
A22-8 (BBD+) - A22-15 (BBD-)	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE NO. 2 FLOOR WIRE**

OK

RS

36 CHECK NO. 2 FLOOR WIRE (TO B+)



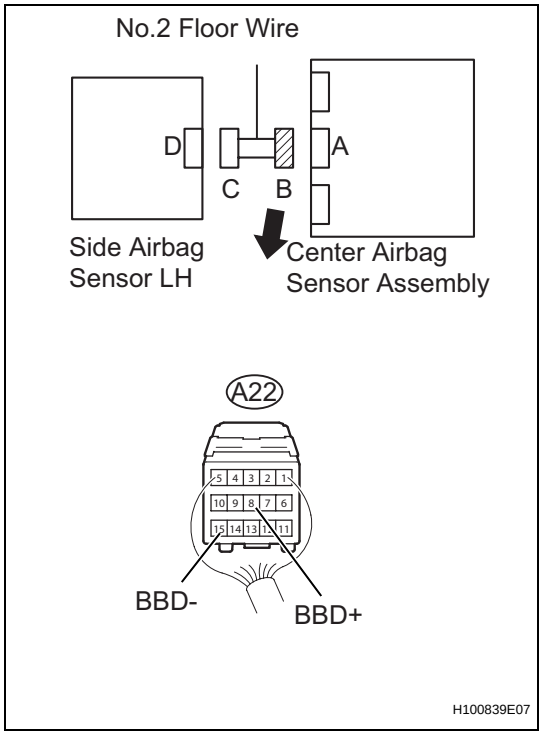
(a) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
(b) Turn the ignition switch to the ON position.
(c) Measure the voltage.
Standard voltage

Tester Connection	Condition	Specified Condition
A22-8 (BBD+) - Body ground	Ignition switch ON	Below 1 Ω
A22-15 (BBD-) - Body ground	Ignition switch ON	Below 1 Ω

NG → **REPAIR OR REPLACE NO. 2 FLOOR WIRE**

OK

37 CHECK NO. 2 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.
Standard resistance

Tester Connection	Condition	Specified Condition
A22-8 (BBD+) - Body ground	Always	1 MΩ or Higher
A22-15 (BBD-) - Body ground	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE NO. 2 FLOOR WIRE**

RS

OK

38 CHECK CONNECTION OF CONNECTORS

(a) Check that the connectors are properly connected to the rear airbag sensor LH.
OK:
The connectors are properly connected.

NG → **CONNECT CONNECTORS**

OK

39 CHECK CONNECTORS

(a) Check that the connectors (on the side airbag sensor assembly LH side and rear airbag sensor LH side) are not damaged (See page IN-34).
OK:
The connectors are not deformed or damaged.

NG → **REPAIR OR REPLACE WIRE HARNESS**

OK

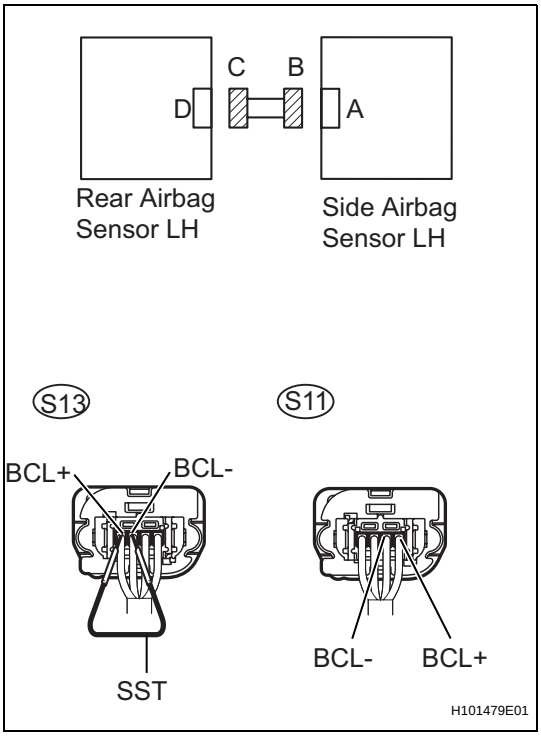
40 CHECK NO. 2 FLOOR WIRE (FOR OPEN)

SST 09843-18040

(a) Disconnect the connectors from the side airbag sensor assembly LH and the rear airbag sensor LH.
(b) Using SST, connect S13-1 (BCL-) and S13-2 (BCL+) of connector C.
(c) Measure the resistance.
Standard resistance

Tester Connection	Condition	Specified Condition
S11-1 (BCL+) - S11-2 (BCL-)	Always	Below 1 Ω

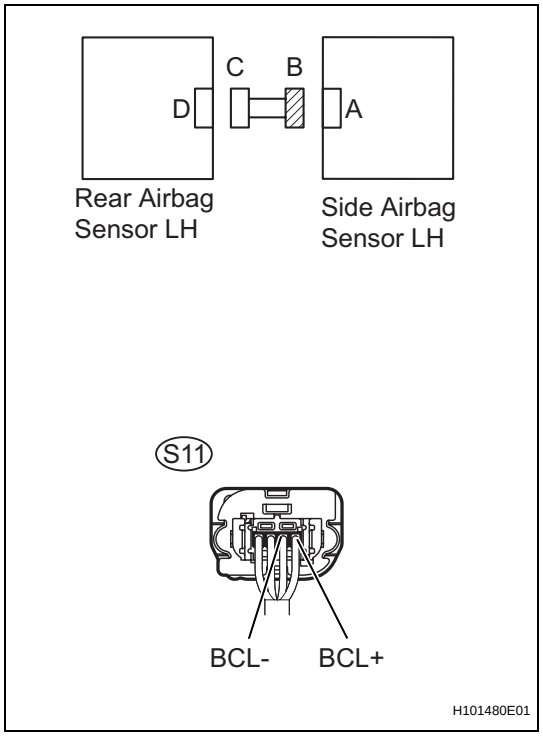
NG → **REPAIR OR REPLACE NO. 2 FLOOR WIRE**



OK

RS

41 CHECK NO. 2 FLOOR WIRE (FOR SHORT)



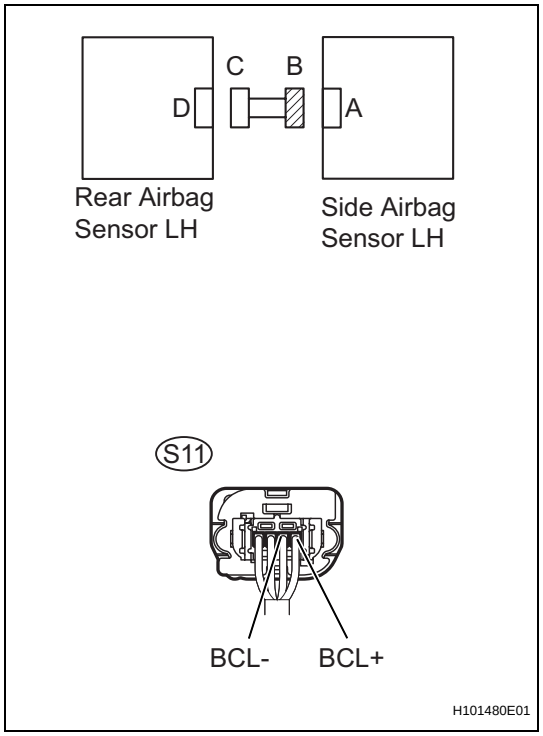
(a) Disconnect the SST from connector C.
(b) Measure the resistance.
Standard resistance

Tester Connection	Condition	Specified Condition
S11-1 (BCL+) - S11-2 (BCL-)	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE NO. 2 FLOOR WIRE**

OK

42 CHECK NO. 2 FLOOR WIRE (TO B+)



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

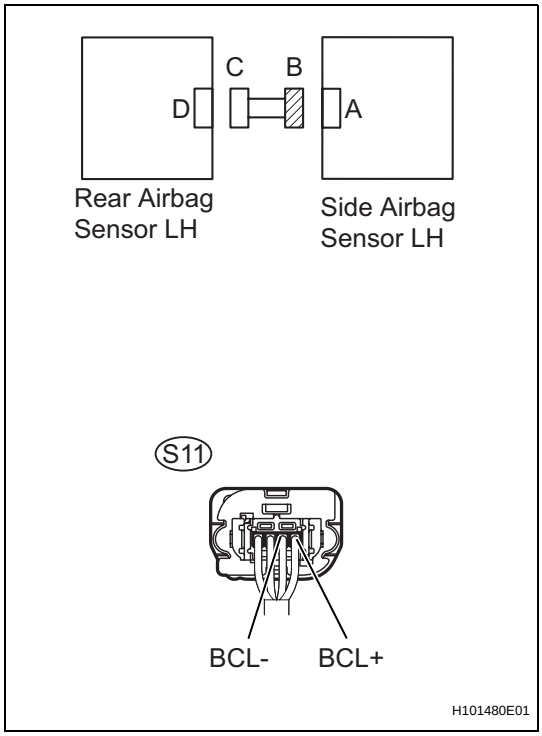
Tester Connection	Condition	Specified Condition
S11-1 (BCL+) - Body ground	Ignition switch ON	Below 1 Ω
S11-2 (BCL-) - Body ground	Ignition switch ON	Below 1 Ω

NG → **REPAIR OR REPLACE NO. 2 FLOOR WIRE**

OK

RS

43 CHECK NO. 2 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.

Standard resistance

Tester Connection	Condition	Specified Condition
S11-1 (BCL+) - Body ground	Always	1 MΩ or Higher
S11-2 (BCL-) - Body ground	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE NO. 2 FLOOR WIRE**

OK

44 CHECK CONNECTION OF CONNECTORS

(a) Check that the connectors are properly connected to the center airbag sensor assembly and the side airbag sensor assembly RH.

OK:

The connectors are properly connected.

NG → **CONNECT CONNECTORS**

OK

45 CHECK CONNECTORS

(a) Check that the connectors (on the center airbag sensor assembly side and side airbag sensor assembly RH side) are not damaged (See page IN-34).

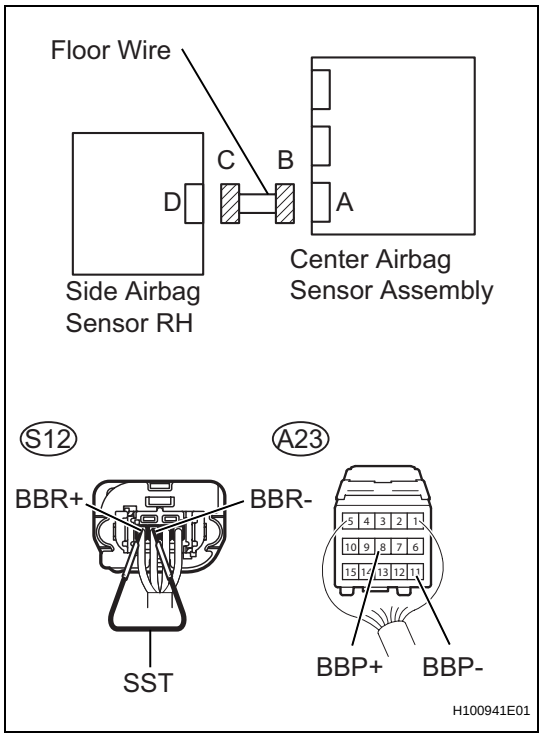
OK:

The connectors are not deformed or damaged.

NG → **REPAIR OR REPLACE WIRE HARNESS**

OK

46 CHECK FLOOR WIRE (FOR OPEN)



SST 09843-18040

(a) Disconnect the connectors from the center airbag sensor assembly and the side airbag sensor assembly RH.
(b) Using SST, connect S12-4 (BBR+) and S12-3 (BBR-) of connector C.
(c) Measure the resistance.

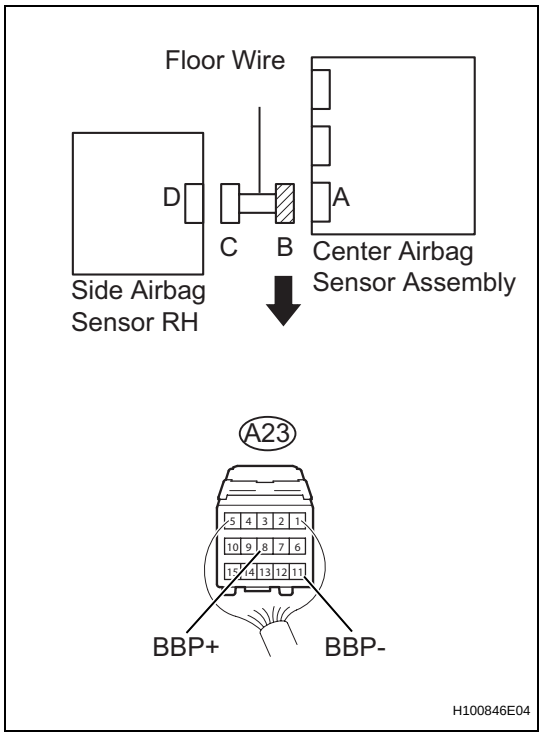
Standard resistance

Tester Connection	Condition	Specified Condition
A23-8 (BBP+) - A23-11 (BBP-)	Always	Below 1 Ω

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

47 CHECK FLOOR WIRE (FOR SHORT)



(a) Disconnect the SST from connector C.
(b) Measure the resistance.

Standard resistance

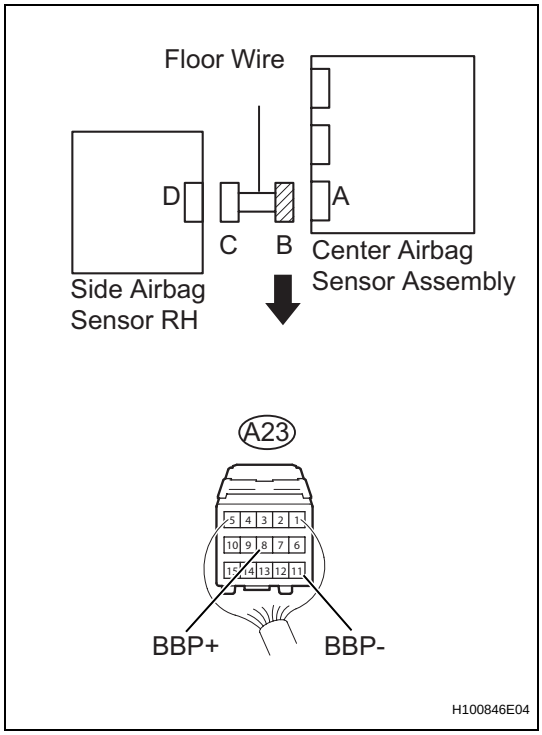
Tester Connection	Condition	Specified Condition
A23-8 (BBP+) - A23-11 (BBP-)	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE**

RS

OK

48 CHECK FLOOR WIRE (TO B+)



(a) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
(b) Turn the ignition switch to the ON position.
(c) Measure the voltage.

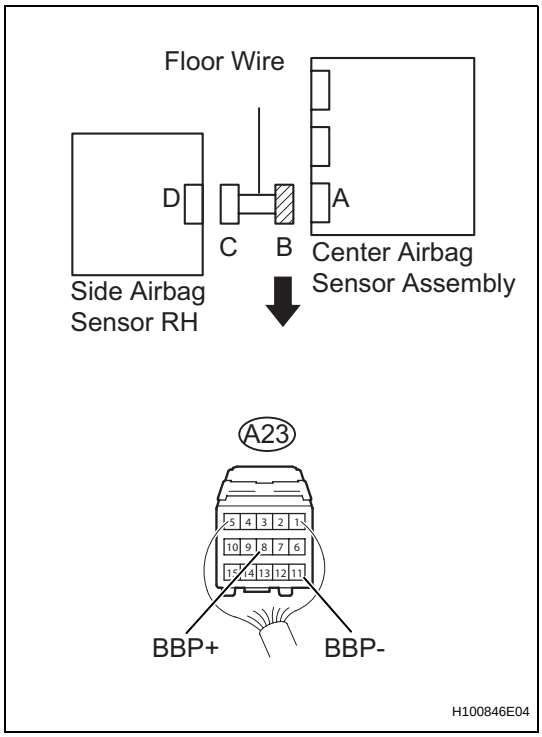
Standard voltage

Tester Connection	Condition	Specified Condition
A23-8 (BBP+) - Body ground	Ignition switch ON	Below 1 V
A23-11 (BBP-) - Body ground	Ignition switch ON	Below 1 V

NG → REPAIR OR REPLACE FLOOR WIRE

OK

49 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.

Standard resistance

Tester Connection	Condition	Specified Condition
A23-8 (BBP+) - Body ground	Always	1 MΩ or Higher
A23-11 (BBP-) - Body ground	Always	1 MΩ or Higher

NG → REPAIR OR REPLACE FLOOR WIRE

RS

OK

50	CHECK CONNECTION OF CONNECTORS

(a) Check that the connectors are properly connected to the center airbag sensor assembly and the side airbag sensor assembly RH.

OK:

The connectors are properly connected.

NG → **CONNECT CONNECTORS**

OK

51	CHECK CONNECTORS

(a) Check that the connectors (on the side airbag sensor assembly RH side and rear airbag sensor RH side) are not damaged (See page IN-34).

OK:

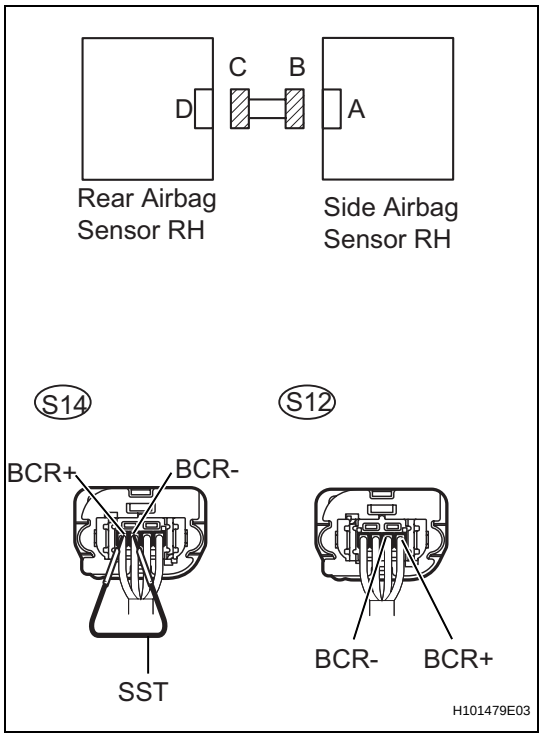
The connectors are not deformed or damaged.

NG → **REPAIR OR REPLACE WIRE HARNESS**

OK

52	CHECK FLOOR WIRE (FOR OPEN)

SST 09843-18040



(a) Disconnect the connectors from the side airbag sensor assembly RH and the rear airbag sensor RH.

(b) Using SST, connect S14-1 (BCR-) and S14-2 (BCR+) of connector C.

(c) Measure the resistance.

Standard resistance

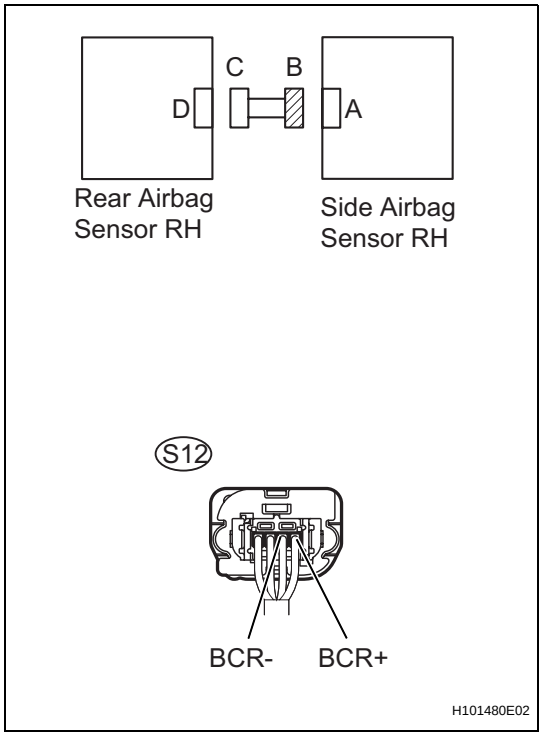
Tester Connection	Condition	Specified Condition
S12-1 (BCR+) - S12-2 (BCR-)	Always	Below 1 Ω

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

RS

53 CHECK FLOOR WIRE (FOR SHORT)



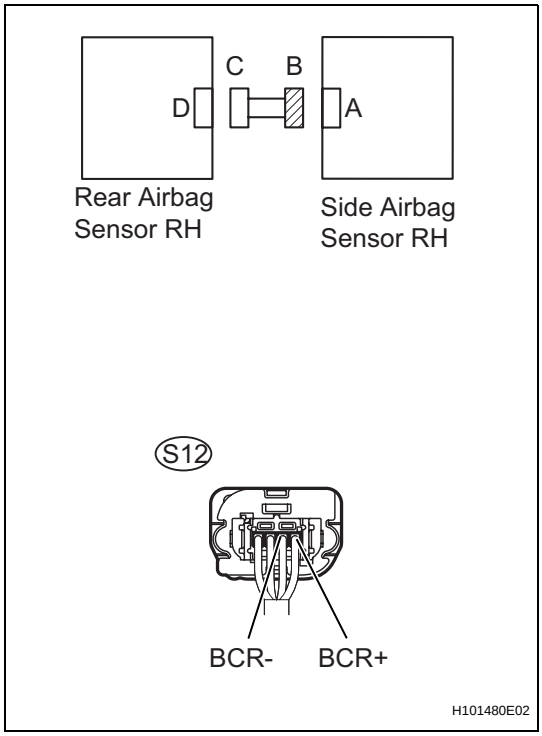
(a) Disconnect the SST from connector C.
(b) Measure the resistance.
Standard resistance

Tester Connection	Condition	Specified Condition
S12-1 (BCR+) - S12-2 (BCR-)	Always	Below 1 Ω

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

54 CHECK FLOOR WIRE (TO B+)



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

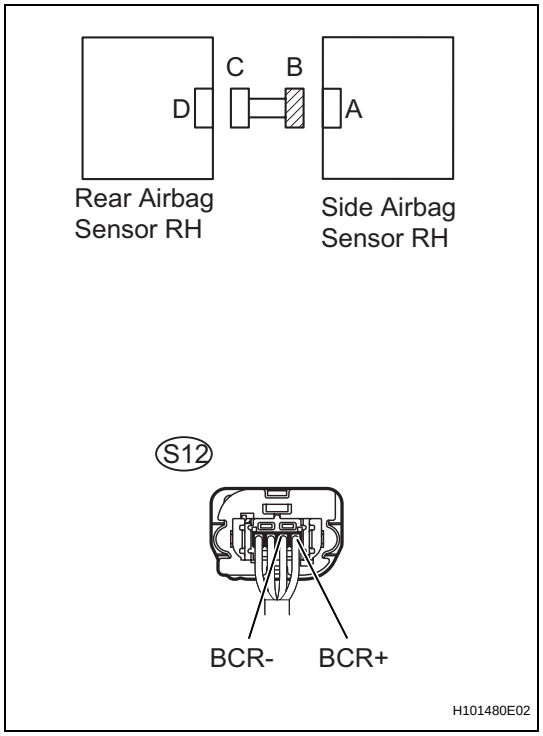
Tester Connection	Condition	Specified Condition
S12-1 (BCR+) - Body ground	Ignition switch ON	Below 1 V
S12-2 (BCR-) - Body ground	Ignition switch ON	Below 1 V

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

RS

55 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.

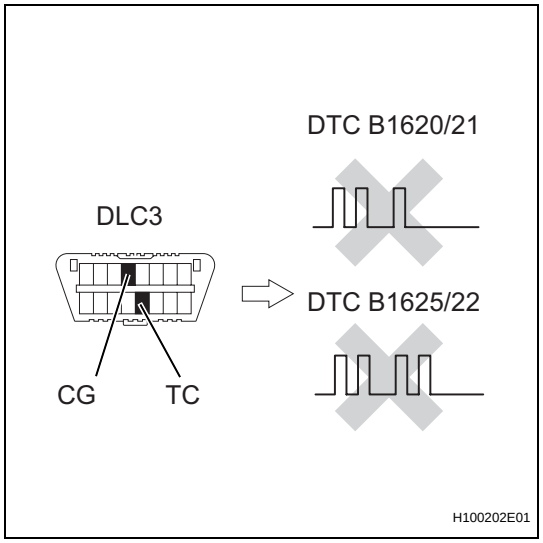
Standard resistance

Tester Connection	Condition	Specified Condition
S12-1 (BCR+) - Body ground	Always	1 MΩ or Higher
S12-2 (BCR-) - Body ground	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

56 CHECK DTC



(a) Connect the connectors to the center airbag sensor assembly and side airbag sensor assembly.

NOTICE:
Do not connect the rear airbag sensor LH and the rear airbag sensor RH connector.

(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 any DTCs stored in the memory (See page RS-34).
(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 DTCs (See page RS-34).

OK:
DTC B1620/21 and B1625/22 are not output.

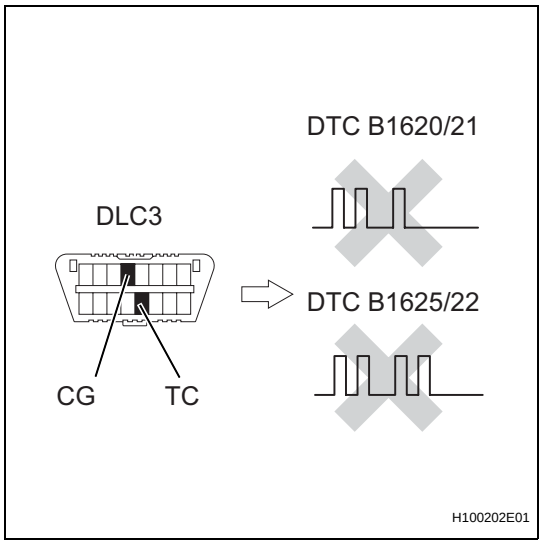
HINT:
DTCs other than B1620/21 and B1625/22 may be output at this time, but they are not related to this check.

NG → **REPLACE REAR AIRBAG SENSOR LH AND REAR AIRBAG SENSOR RH**

RS

OK

57	CHECK SIDE AIRBAG SENSOR ASSEMBLY RH



(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) Connect the connectors to the rear airbag sensor LH and the rear airbag sensor RH.
(d) Replace the center airbag sensor assembly (See page RS-602).

HINT:
Perform the inspection using parts from a normal vehicle when possible.

(e) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
(f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(g) Clear any DTCs stored in the memory (See page RS-34).
(h) Turn the ignition switch to the LOCK position.
(i) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(j) Check for DTCs (See page RS-34).

OK:
DTC B1620/21 and B1625/22 are not output.

HINT:
DTCs other than B1620/21 and B1625/22 may be output at this time, but they are not related to this check.

NG → **REPLACE REAR AIRBAG SENSOR LH AND REAR AIRBAG SENSOR RH**

OK

END