DTC	B1630/23	Driver Side Rear Airbag Sensor Circuit Malfunction

DESCRIPTION

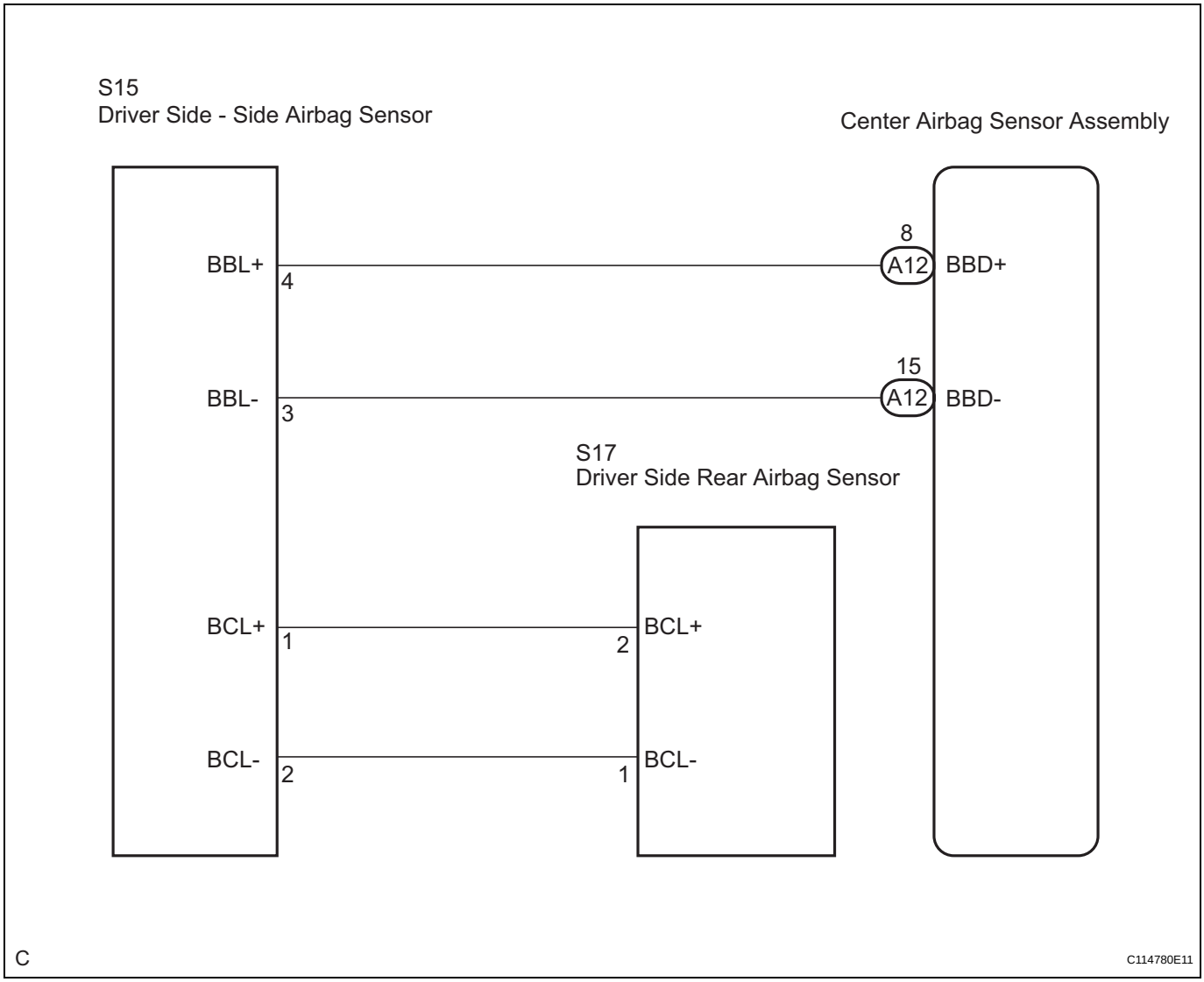
RS

The driver side rear airbag sensor circuit consists of the safing sensor, the diagnostic circuit, the lateral deceleration sensor, etc.
If the center airbag sensor assembly receives signals from the lateral deceleration sensor, it determines whether or not the SRS should be activated.
DTC B1630/23 is recorded when a malfunction is detected in the driver side rear airbag sensor circuit.

DTC No.	DTC Detection Condition	Trouble Area
B1630/23	• The center airbag sensor assembly receives an open circuit signal in the driver side rear airbag sensor circuit for 2 seconds. • Driver side - side airbag sensor malfunction • Driver side rear airbag sensor malfunction • Center airbag sensor assembly malfunction	• Floor wire • Driver side - side airbag sensor • Driver side rear airbag sensor • Center airbag sensor assembly

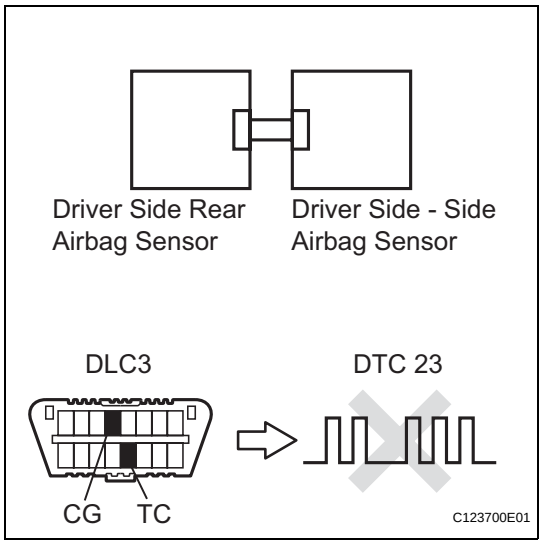
HINT:
Troubleshoot DTC B1620/21 first when DTC B1620/21 and B1630/23 are output simultaneously.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK DTC



(a) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(b) Clear the DTCs stored in the memory (See page RS-34).
(c) Turn the ignition switch to the LOCK position.
(d) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(e) Check the DTCs (See page RS-34).
OK:
DTC B1630/23 is not output.
HINT:
Codes other than DTC B1630/23 may be output at this time, but they are not related to this check.

NG → **Go to step 2**

OK

USE SIMULATION METHOD TO CHECK

2	CHECK CONNECTION OF CONNECTORS

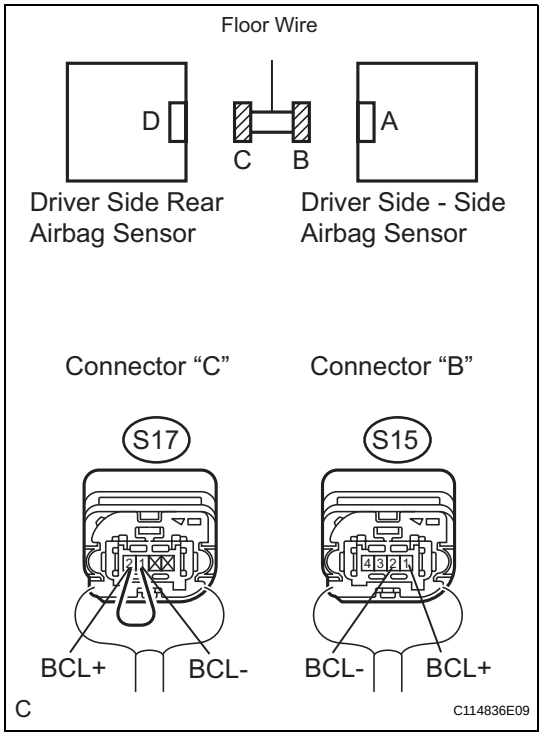
(a) Turn the ignition switch to the LOCK position.
(b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
(c) Check that the connectors are properly connected to the driver side - side airbag sensor and the driver side rear airbag sensor.
OK:
The connectors are properly connected.

NG → **CONNECT CONNECTORS, THEN GO TO STEP 1**

OK

RS

3 CHECK FLOOR WIRE NO. 2 (OPEN)



(a) Disconnect the connectors from the driver side - side airbag sensor and the driver side rear airbag sensor.

(b) Using a service wire, connect S17-2 (BCL+) and S17-1 (BCL-) of connector "C".

NOTICE:

Do not forcibly insert a service wire into the terminals of the connector when connecting.

(c) Measure the resistance according to the value(s) in the table below.

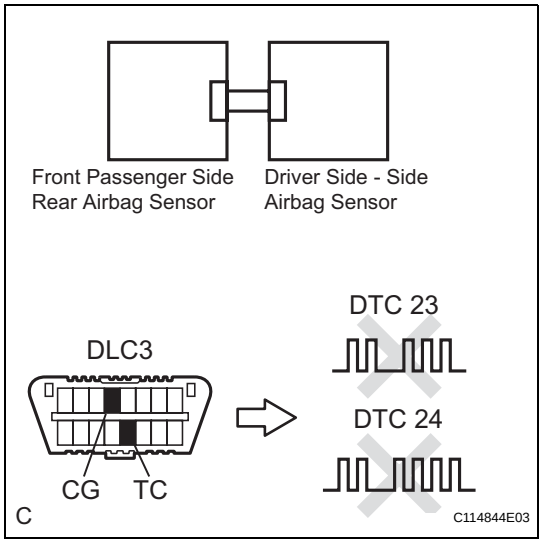
Standard resistance

Tester Connection	Condition	Specified Condition
S15-1 (BCL+) - S15-2 (BCL-)	Always	Below 1 Ω

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

OK

4 CHECK DRIVER SIDE REAR AIRBAG SENSOR



(a) Disconnect the service wire from connector "C".

(b) Connect the connector to the driver side rear airbag sensor.

(c) Interchange the front passenger side rear airbag sensor with the driver side rear airbag sensor and connect the connectors to them.

(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 the 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 the DTCs (See page RS-34)

Result

Result	Proceed to
DTC B1630/23 is output.	A
DTC B1635/24 is output.	B
DTC B1630/23 and B1635/24 are not output.	C

HINT:

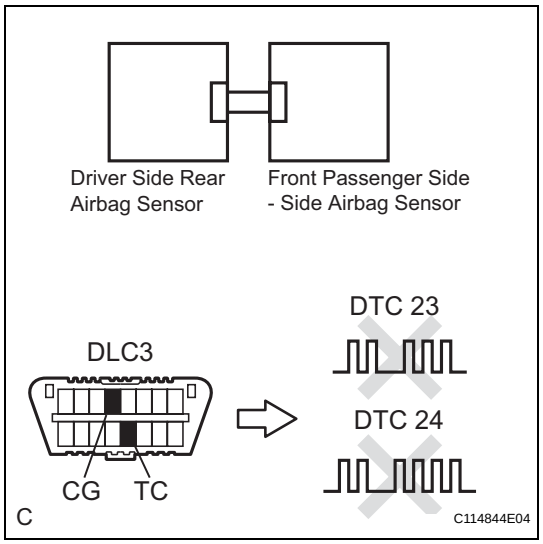
Codes other than DTC B1630/23 and B1635/24 may be output at this time, but they are not related to this check.

A	Go to step 5
B	REPLACE DRIVER SIDE REAR AIRBAG SENSOR

C

USE SIMULATION METHOD TO CHECK

5 CHECK DRIVER SIDE - SIDE AIRBAG SENSOR



(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) Return the front passenger side rear airbag sensor and driver side rear airbag sensor to their original positions and connect the connectors to them.
(d) Interchange the front passenger side - side airbag sensor with the driver side - side airbag sensor and connect the connectors to them.
(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 the 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 the DTCs (See page RS-34).

Result

Result	Proceed to
DTC B1630/23 is output.	A
DTC B1635/24 is output.	B
DTC B1630/23 and B1635/24 are not output.	C

HINT:
Codes other than DTC B1630/23 and B1635/24 may be output at this time, but they are not related to this check.

A	REPLACE CENTER AIRBAG SENSOR ASSEMBLY
B	REPLACE DRIVER SIDE - SIDE AIRBAG SENSOR

C

USE SIMULATION METHOD TO CHECK