

DTC	B1635/24	Front Passenger Side Rear Airbag Sensor Circuit Malfunction
------------	-----------------	--

DESCRIPTION**RS**

The front passenger 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.

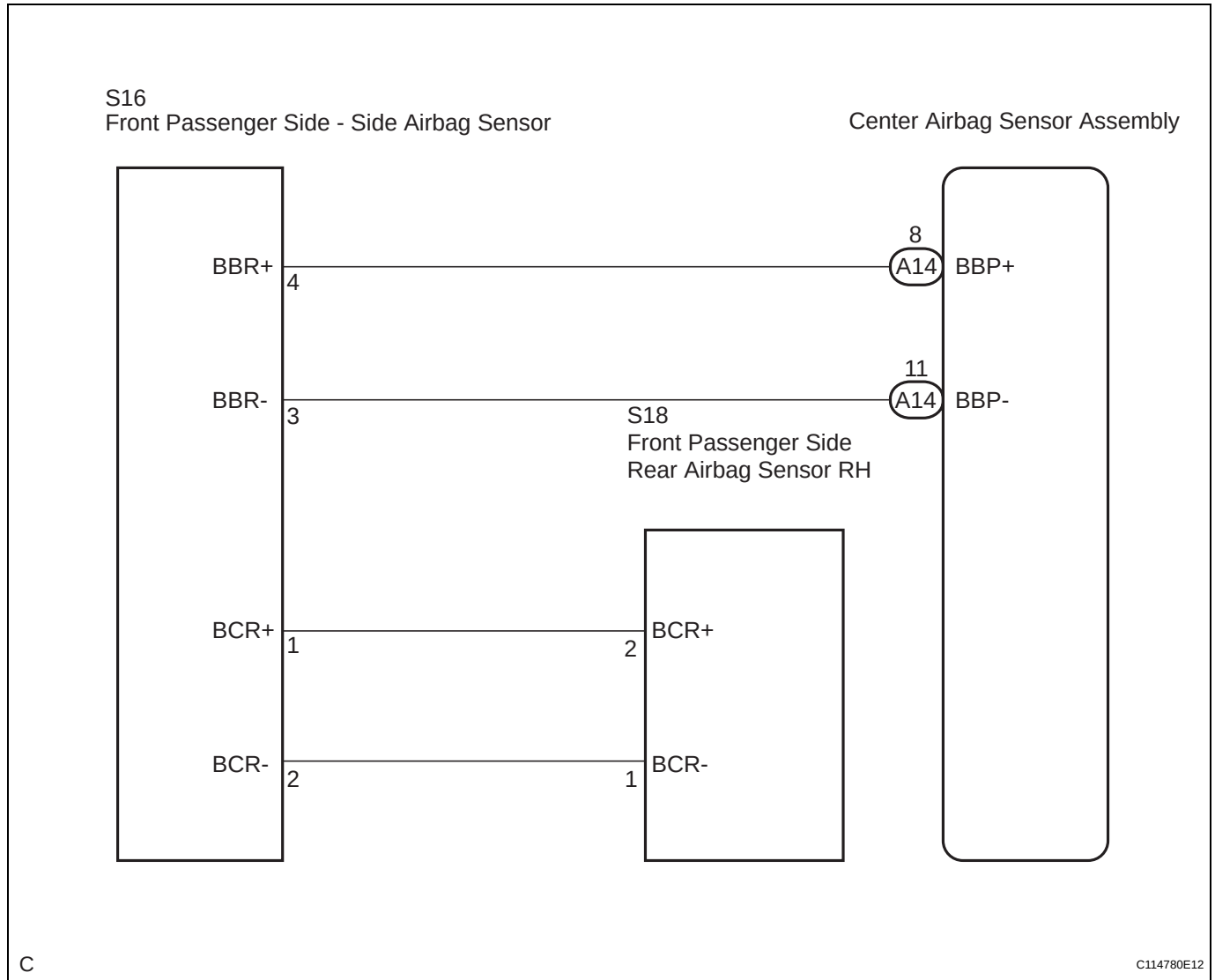
DTC B1635/24 is recorded when a malfunction is detected in the front passenger side rear airbag sensor circuit.

DTC No.	DTC Detection Condition	Trouble Area
B1635/24	- The center airbag sensor assembly receives an open circuit signal in the front passenger side rear airbag sensor circuit for 2 seconds. - Front passenger side - side airbag sensor malfunction - Front passenger side rear airbag sensor malfunction - Center airbag sensor assembly malfunction	- Floor wire - Front passenger side - side airbag sensor - Front passenger side rear airbag sensor - Center airbag sensor assembly

HINT:

Troubleshoot DTC B1625/22 first when DTC B1625/22 and B1635/24 are output simultaneously.

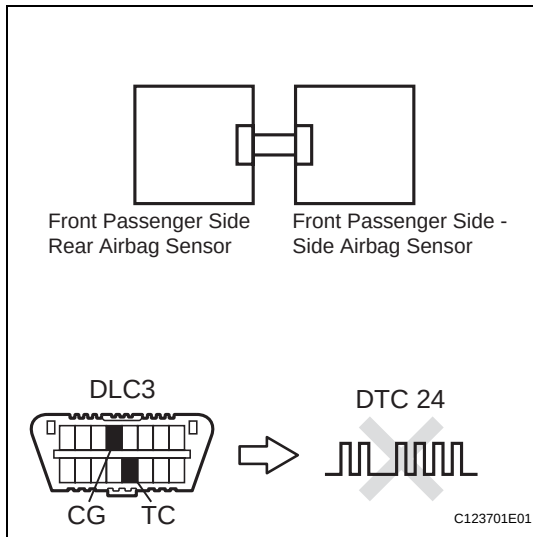
WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK DTC

RS



- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Clear the DTCs stored in the the memory (See page RS-34).
- Turn the ignition switch to the LOCK position.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Check the DTCs (See page RS-34).

OK:**DTC B1635/24 is not output.****HINT:**

Codes other than DTC B1635/24 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

- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Check that the connectors are properly connected to the front passenger side - side airbag sensor and the front passenger side rear airbag sensor.

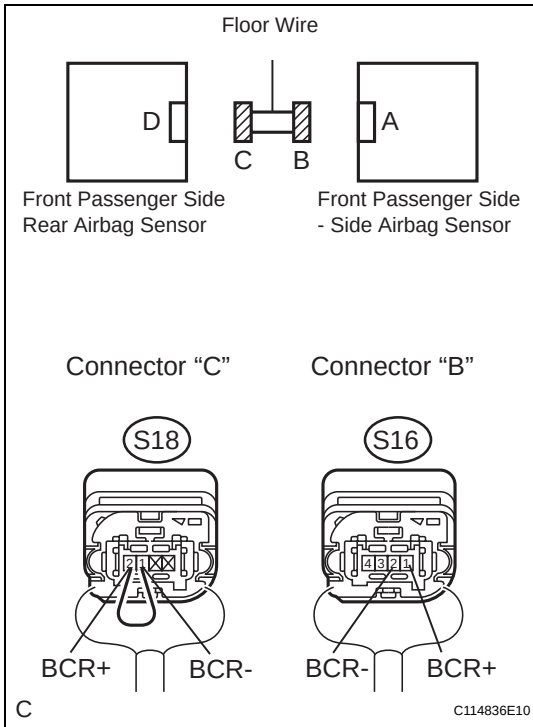
OK:**The connectors are properly connected.**

NG

CONNECT CONNECTORS, THEN GO TO STEP 1

OK

3 CHECK FLOOR WIRE (OPEN)



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

- (b) Using a service wire, connect S18-2 (BCR+) and S18-1 (BCR-) 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

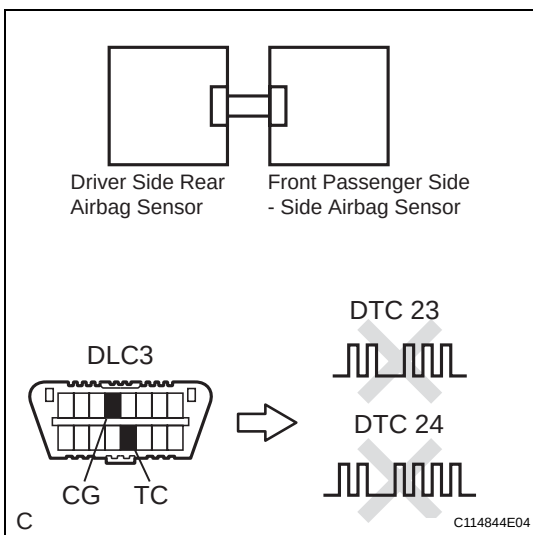
Tester Connection	Condition	Specified Condition
S16-1 (BCR+) - S16-2 (BCR-)	Always	Below 1 Ω

NG

REPAIR OR REPLACE FLOOR WIRE

OK

4 CHECK FRONT PASSENGER SIDE REAR AIRBAG SENSOR



- (a) Disconnect the service wire from connector "C".
- (b) Connect the connector to the front passenger side - side 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 B1635/24 is output.	A
DTC B1630/23 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.

RS

cardiagn.com

A

Go to step 5

B

REPLACE FRONT PASSENGER SIDE REAR AIRBAG SENSOR

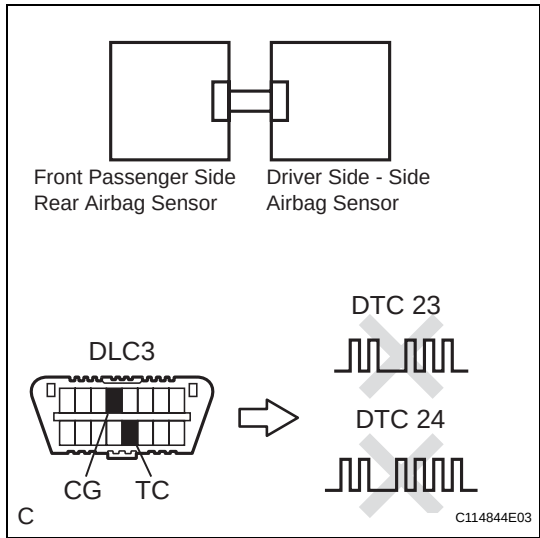
RS

C

USE SIMULATION METHOD TO CHECK

5

CHECK FRONT PASSENGER 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 the 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 B1635/24 is output.	A
DTC B1630/23 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 FRONT PASSENGER SIDE - SIDE AIRBAG SENSOR

C

USE SIMULATION METHOD TO CHECK