

DTC	B1154/38	Curtain Shield Airbag Sensor Assembly RH Malfunction
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CIRCUIT DESCRIPTION

The curtain shield airbag sensor assembly RH consists of the safing sensor, diagnosis circuit and lateral deceleration sensor, etc.

It receives signals from the lateral deceleration sensor, judges whether or not the SRS must be activated, and detects diagnosis system malfunction.

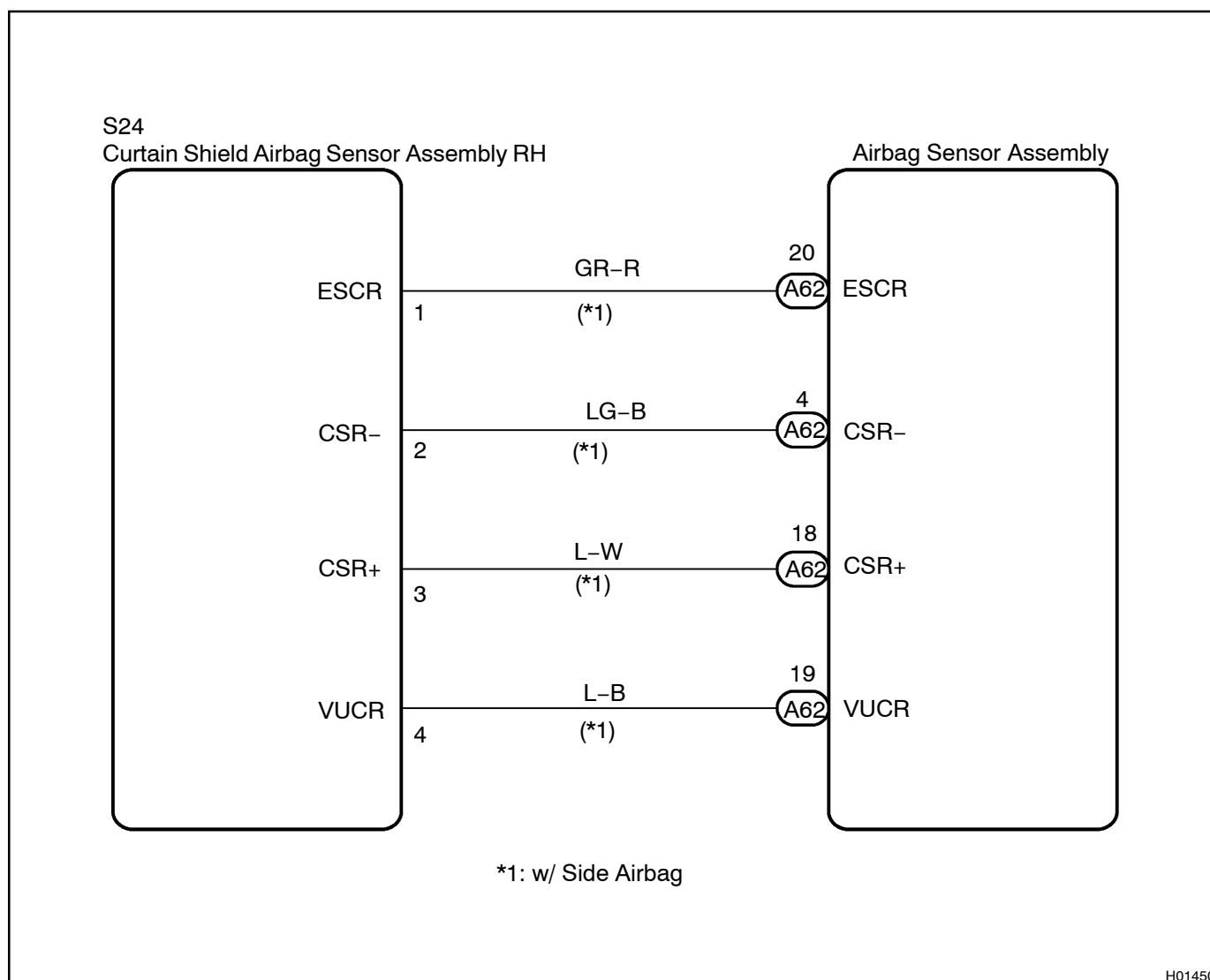
DTC B1154/38 is recorded when occurrence of a malfunction in the curtain shield airbag sensor assembly RH is detected.

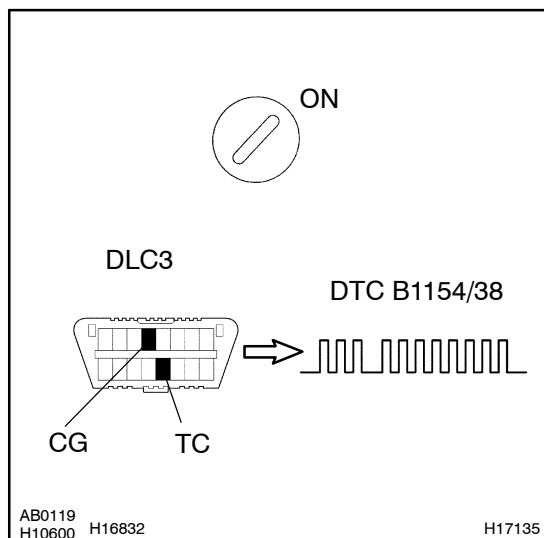
DTC No.	DTC Detecting Condition	Trouble Area
B1154/38	• Curtain shield airbag sensor assembly RH malfunction	• Curtain shield airbag sensor assembly RH • Floor No. 2 wire • Airbag sensor assembly

HINT:

DTC B1154/38 is indicated only for the vehicle equipped with the side airbag.

WIRING DIAGRAM



INSPECTION PROCEDURE**1 Is DTC B1154/38 output?****CHECK:**

- (a) Turn the ignition switch to ON, and wait at least for 10 seconds.
- (b) Clear the DTC stored in memory ([See page DI-432](#)).
- (c) Turn the ignition switch to LOCK, and wait at least for 10 seconds.
- (d) Turn the ignition switch to ON, and wait at least for 10 seconds.
- (e) Check the DTC ([See page DI-432](#)).

OK:

DTC B1154/38 is output.

HINT:

Codes other than code B1154/38 may be output at this time, but they are not relevant to this check.

NO

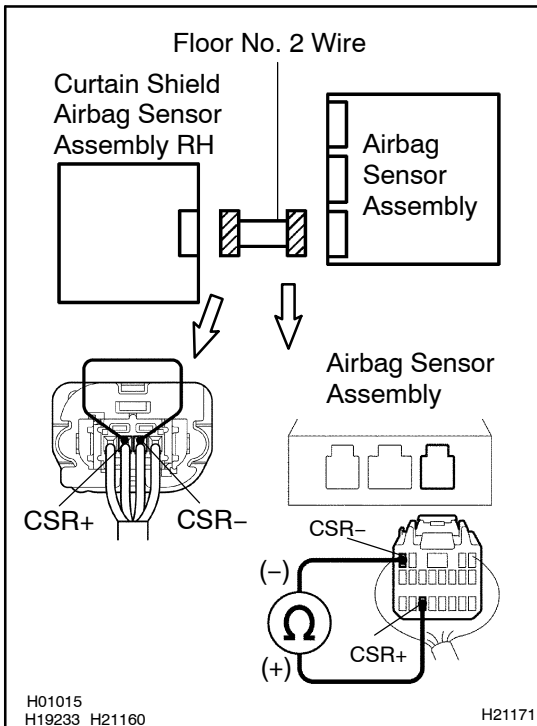
The malfunctioning part can now be considered normal. To make sure of this, use the simulation method to check.

YES**2 Is connector of curtain shield airbag sensor assembly RH properly connected?****NO**

Connect connector.

YES**3 Prepare for inspection (See step 1 on [DI-764](#)).**

4 Check floor No. 2 wire.



PREPARATION:

Using a service wire, connect CSR+ and CSR- of the floor No. 2 wire connector on the curtain shield airbag sensor assembly RH side.

CHECK:

Measure the resistance between CSR+ and CSR- of the floor No. 2 wire connector on the airbag sensor assembly side.

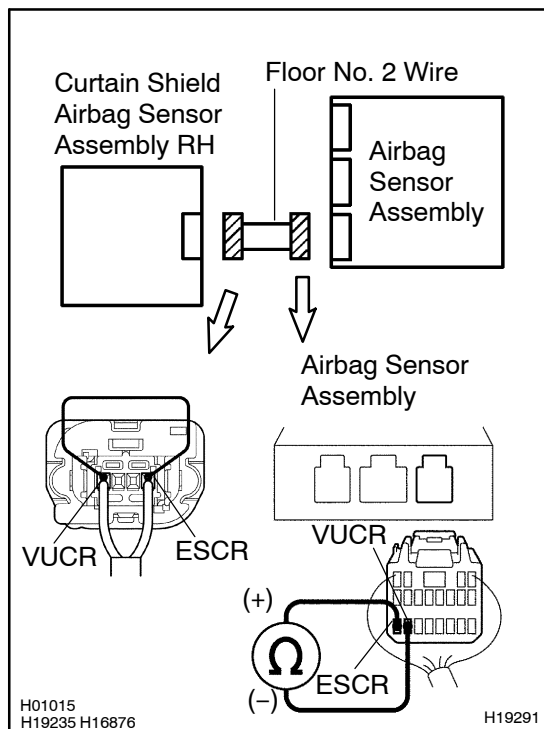
OK:

Resistance: Below 1 Ω

NG

Repair or replace floor No. 2 wire.

OK

5 Check floor No. 2 wire.**PREPARATION:**

Using a service wire, connect VUCR and ESCR of the floor No. 2 wire connector on the curtain shield airbag sensor assembly RH side.

CHECK:

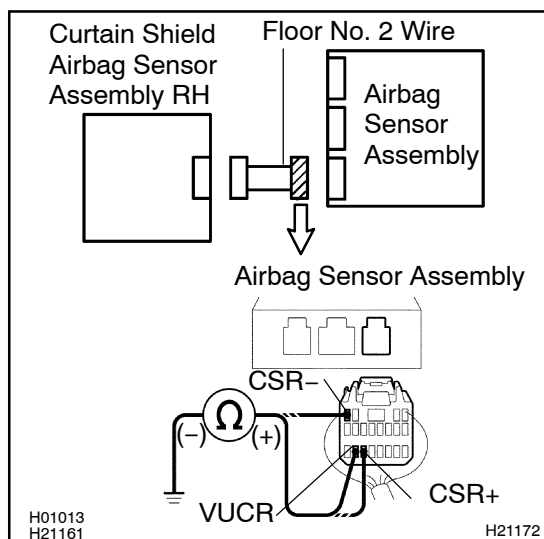
Measure the resistance between VUCR and ESCR of the floor No. 2 wire connector on the airbag sensor assembly side.

OK:

Resistance: Below 1 Ω

NG**Repair or replace floor No. 2 wire.****OK**

6 Check floor No. 2 wire (to ground).



CHECK:

Measure the resistance between the body ground and each of VUCR, CSR+ and CSR- of the floor No. 2 wire connector on the airbag sensor assembly side.

OK:

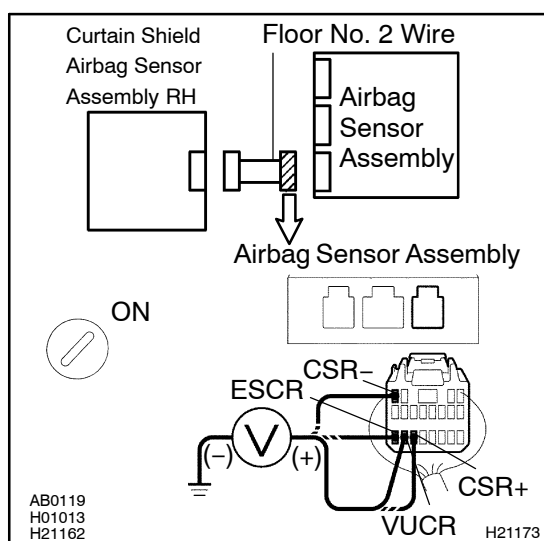
Resistance: 10 kΩ or Higher

NG

Repair or replace floor No. 2 wire.

OK

7 Check floor No. 2 wire (to B+).



PREPARATION:

Connect the negative (-) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

- Turn the ignition switch to ON.
- Measure the voltage between the body ground and each of VUCR, CSR+, CSR- and ESCR of the floor No. 2 wire connector on the airbag sensor assembly side.

OK:

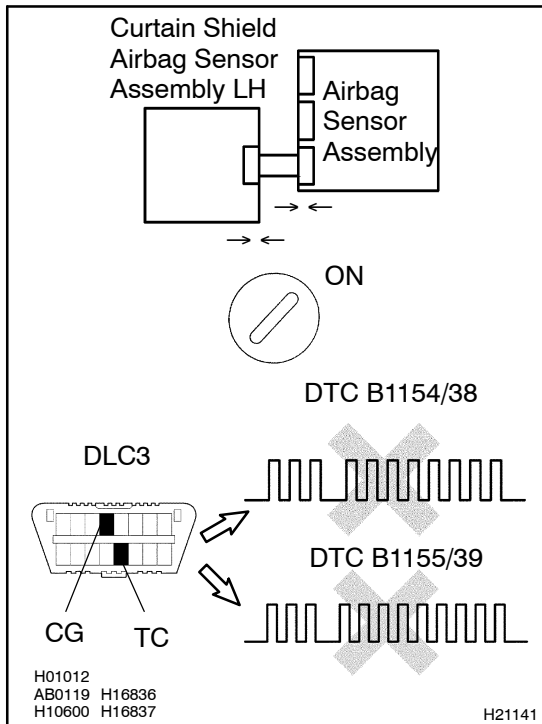
Voltage: Below 1 V

NG

Repair or replace floor No. 2 wire.

OK

8 Check airbag sensor assembly.



PREPARATION:

- Turn the ignition switch to LOCK.
- Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- Connect the connector to the airbag sensor assembly.
- Change the curtain shield airbag sensor assembly LH position with RH position.
- Connect the negative (-) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

- Turn the ignition switch to ON, and wait at least for 10 seconds.
- Clear the DTC stored in memory ([See page DI-432](#)).
- Turn the ignition switch to LOCK, and wait at least for 10 seconds.
- Turn the ignition switch to ON, and wait at least for 10 seconds.
- Check the DTC ([See page DI-432](#)).

OK:

Neither DTC B1154/38 nor B1155/39 are not output.

HINT:

Codes other than code B1154/38 or B1155/39 may be output at this time, but they are not relevant to this check.

NG

Replace airbag sensor assembly (DTC B1154/38 is output).

NG

Replace curtain shield airbag sensor assembly RH (DTC B1155/39 is output).

OK

From the results of the above inspection, the malfunctioning part can now be considered normal. To make sure of this, use the simulation method to check.