

DTC	B1141/33	Side and Curtain Shield Airbag Sensor Assembly LH Malfunction
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CIRCUIT DESCRIPTION

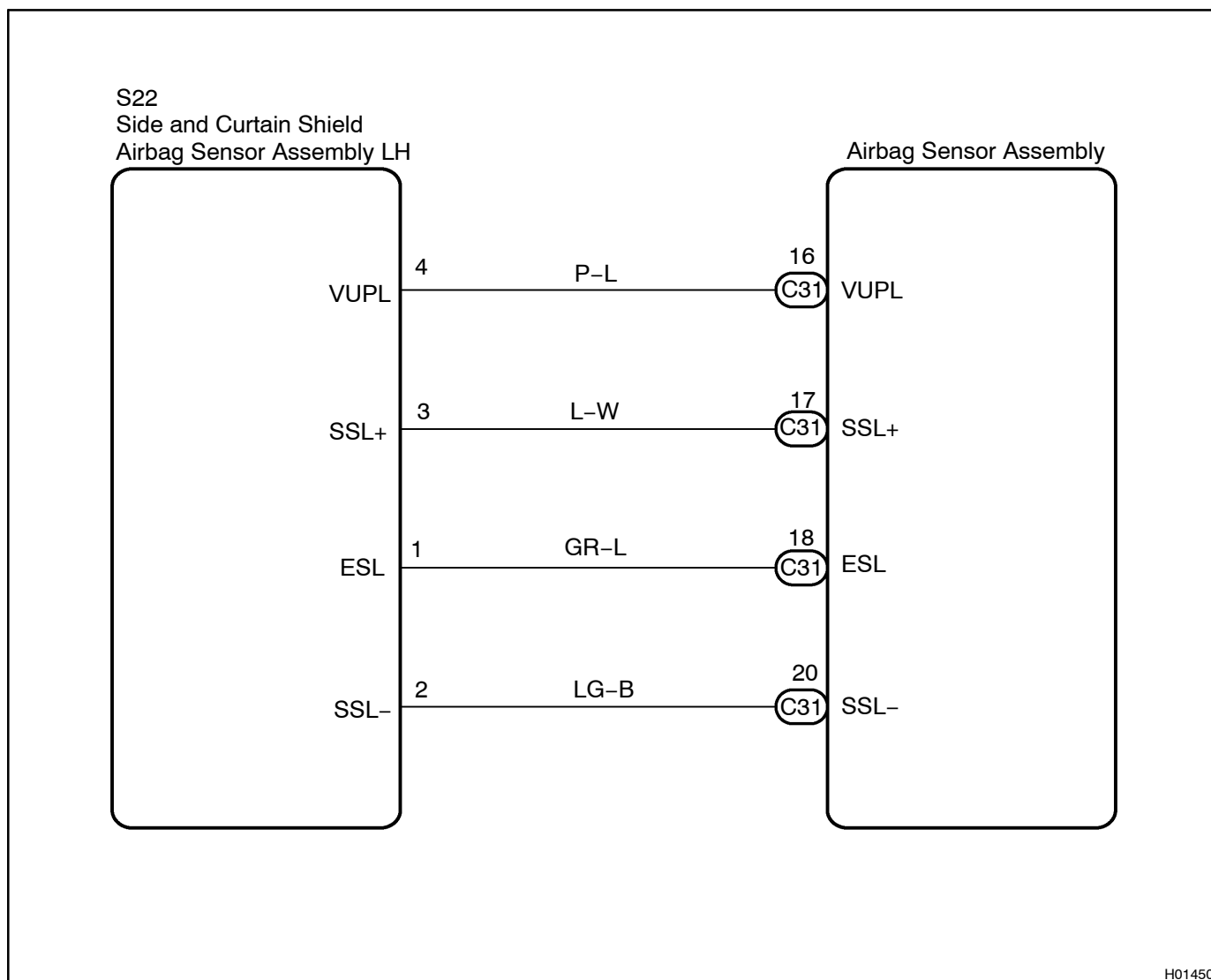
The side and curtain shield airbag sensor assembly LH consists of the safing sensor, diagnosis circuit and lateral deceleration sensor, etc.

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

DTC B1141/33 is recorded when occurrence of a malfunction in the side and curtain shield airbag sensor assembly LH is detected.

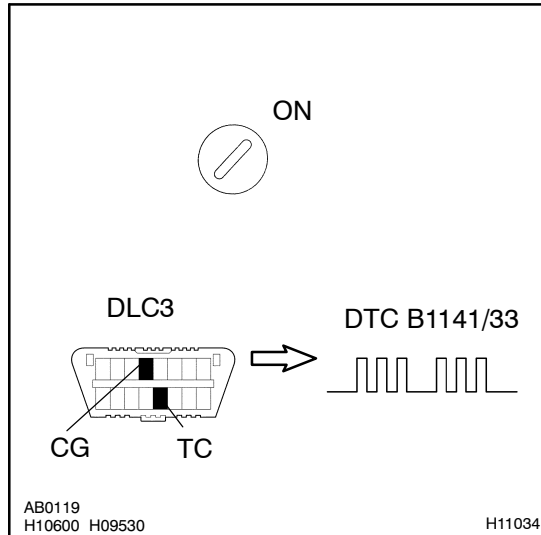
DTC No.	DTC Detecting Condition	Trouble Area
B1141/33	Side and curtain shield airbag sensor assembly LH malfunction	- Side and curtain shield airbag sensor assembly LH - Floor No. 1 wire - Airbag sensor assembly

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Is DTC B1141/33 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-876](#)).
- (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-876](#)).

OK:

DTC B1141/33 is output.

HINT:

Codes other than code B1141/33 may be output at this time, but they are not relevant to this check.

YES

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

NO

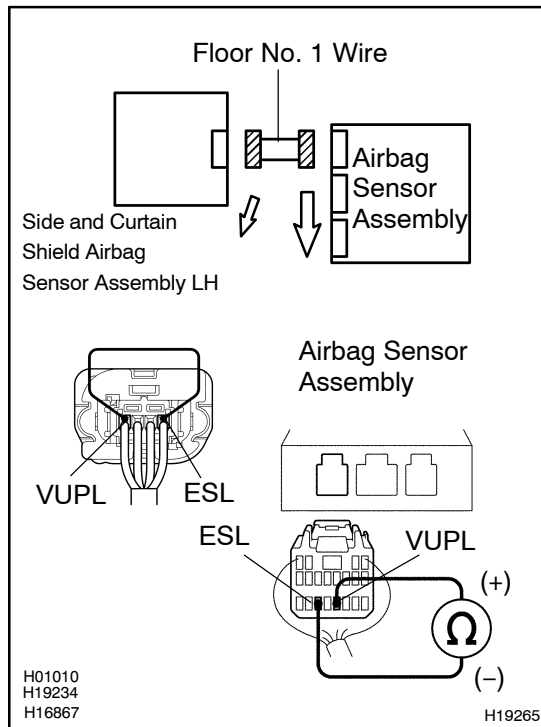
2 Is connector of side and curtain shield airbag sensor assembly LH properly connected?

NO

Connect connector.

YES

3 Prepare for inspection (See step 1 on page [DI-1103](#)).

4 Check floor No. 1 wire.**PREPARATION:**

Using a service wire, connect VUPL and ESL of the floor No. 1 wire connector on the side and curtain shield airbag sensor assembly LH side.

CHECK:

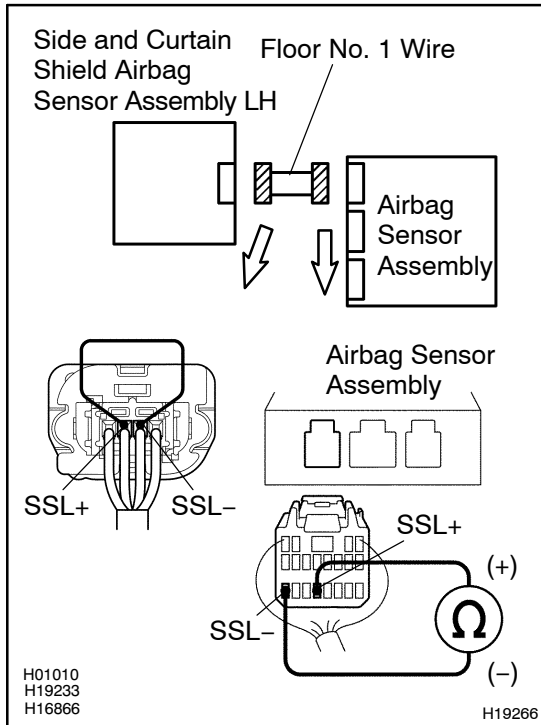
Measure the resistance between VUPL and ESL of the floor No. 1 wire connector on the airbag sensor assembly side.

OK:

Resistance: Below 1 Ω

NG**Replace floor No. 1 wire.****OK**

5 Check floor No. 1 wire.



PREPARATION:

Using a service wire, connect SSL+ and SSL- of the floor No. 1 wire connector on the side and curtain shield airbag sensor assembly LH side.

CHECK:

Measure the resistance between SSL+ and SSL- of the floor No. 1 wire connector on the airbag sensor assembly side.

OK:

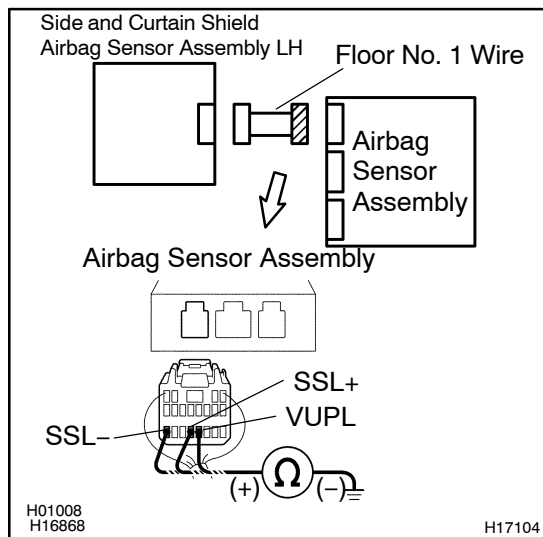
Resistance: Below 1 Ω

NG

Replace floor No. 1 wire.

OK

6 Check floor No. 1 wire (to ground).



CHECK:

Measure the resistance between the body ground and each of VUPL, SSL+ and SSL- of the floor No. 1 wire connector on the airbag sensor assembly side.

OK:

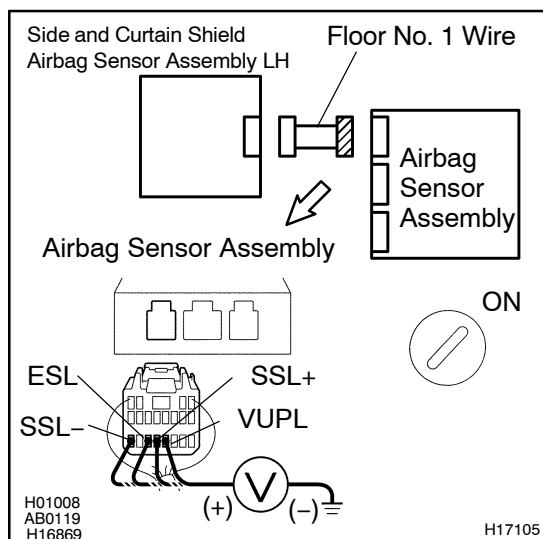
Resistance: 10 kΩ or Higher

NG

Replace floor No. 1 wire.

OK

7 Check floor No. 1 wire (to B+).



PREPARATION:

- Deactivate the LEXUS link system (See page [DI-876](#)).
- 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 VUPL, SSL+, SSL- and ESL of the floor No. 1 wire connector on the airbag sensor assembly side.

OK:

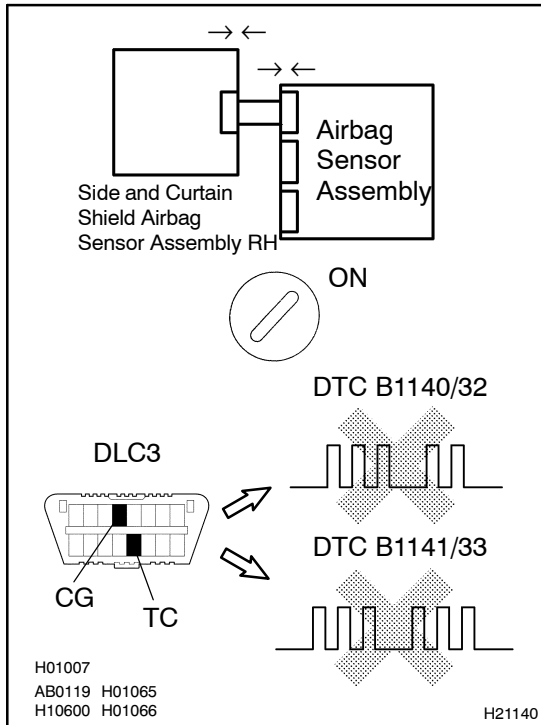
Voltage: Below 1 V

NG

Replace floor No. 1 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 side and curtain shield airbag sensor assembly RH position with LH 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-876](#)).
- 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-876](#)).

OK:

Neither DTC B1141/33 nor B1140/32 are not output.

HINT:

Codes other than code B1141/33 or B1140/32 may be output at this time, but they are not relevant to this check.

NG

Replace airbag sensor assembly (DTC B1141/33 is output).

NG

Replace side and curtain shield airbag sensor assembly LH (DTC B1140/32 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.