

DTC	B1141/33	Side Airbag Sensor Assembly (LH) Malfunction
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CIRCUIT DESCRIPTION

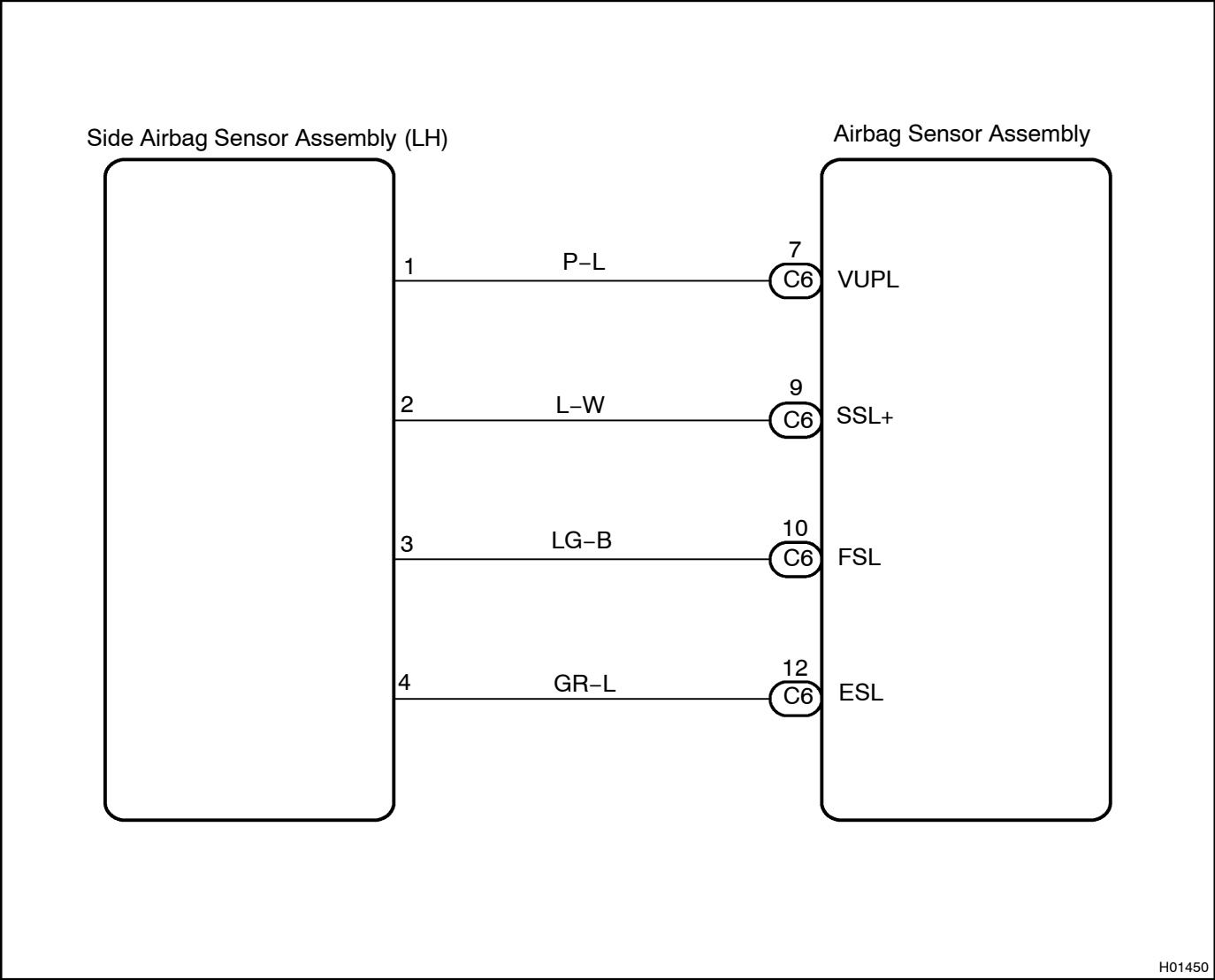
The side airbag sensor assembly (LH) consists of the airbag sensor, diagnosis circuit and lateral deceleration sensor, etc.

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 malfunction is the side airbag sensor assembly (LH) is detected.

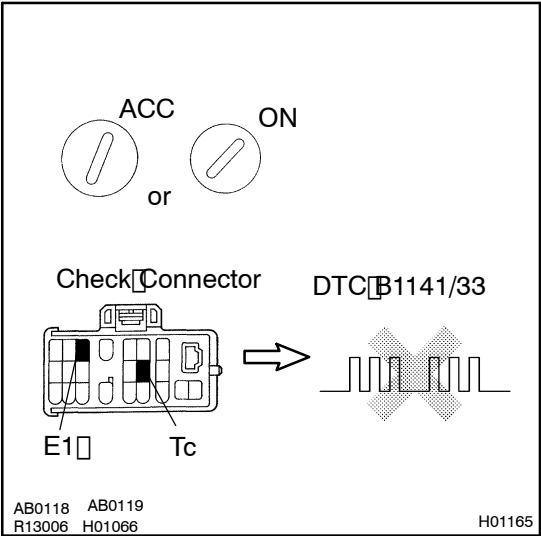
DTC No.	DTC Detecting Condition	Trouble Area
B1141/33	•Side airbag sensor assembly (LH) malfunction	•Side airbag sensor assembly (LH) •Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Is DTC B1141/33 output?
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- CHECK:**
- (a) Turn ignition switch to ACC or ON, and wait at least for 20 seconds.
 - (b) Clear DTC stored in memory.
(See step 5 on page DI-386)
 - (c) Turn ignition switch to LOCK, and wait at least for 20 seconds.
 - (d) Turn ignition switch to ACC or ON, and wait at least for 20 seconds.
 - (e) Check DTC.
(See page DI-386)

OK:
DTC B1141/33 is not output.

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

OK	Go to step 3.
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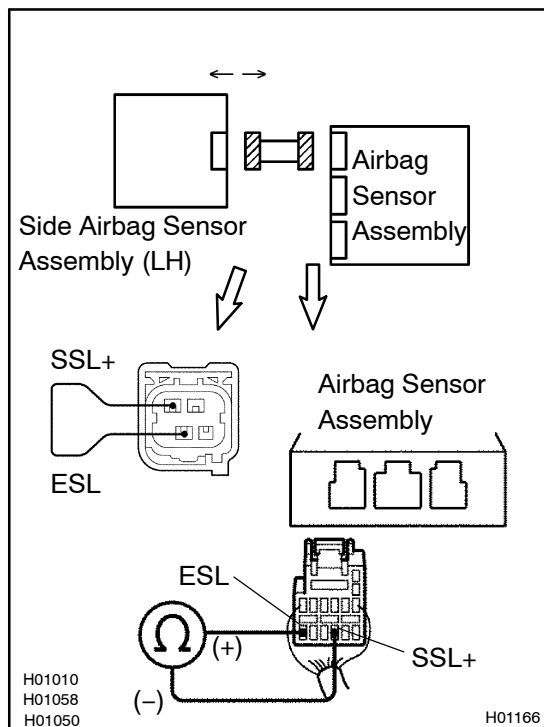
2	Are connector of side airbag sensor assembly (LH) properly connected?
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3	Prepare for inspection. (See step 1 on page DI-503)
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4 Check wire harness.



PREPARATION:

- Disconnect side airbag sensor assembly (LH).
- Using a service wire, connect SSL+ and ESL of the connector (on the side airbag sensor assembly (RH) side) between the side airbag sensor assembly (RH) and airbag sensor assembly.

CHECK:

For the connector (on the airbag sensor assembly side) between the side airbag sensor assembly (LH) and airbag sensor assembly, measure the resistance between SSL+ and ESL.

OK:

Resistance: Below 1 Ω

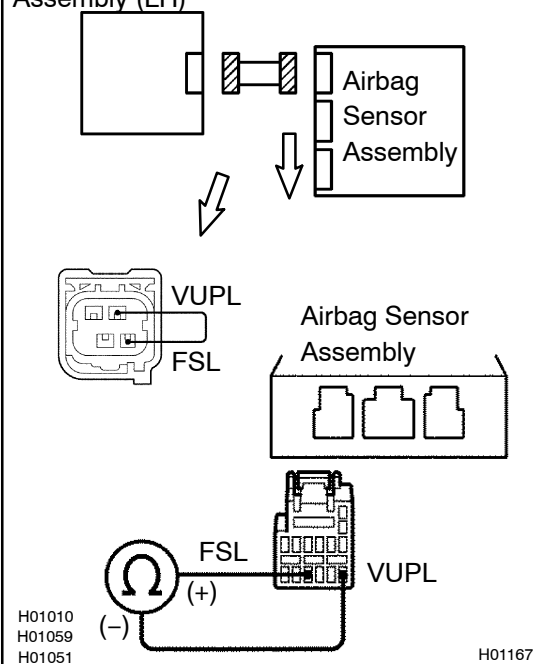
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Repair or replace harness or connector between the side airbag sensor assembly (LH) and airbag sensor assembly.

OK

5 Check wire harness.

Side Airbag Sensor Assembly (LH)

**OK****PREPARATION:**

Using a service wire, connect VUPL and FSL of the connector (on the side airbag sensor assembly side) between the side airbag sensor assembly (LH) and airbag sensor assembly.

CHECK:

For the connector (on the airbag sensor assembly side) between the side airbag sensor assembly (LH) and airbag sensor assembly, measure the resistance between VUPL and FSL.

OK:

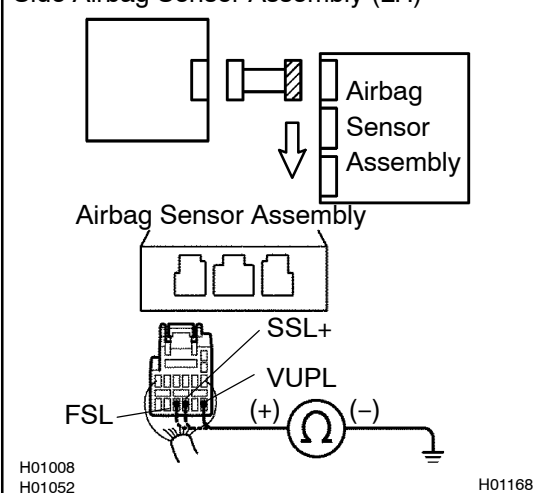
Resistance: Below 1 Ω

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Repair or replace harness or connector between the side airbag sensor assembly (LH) and airbag sensor assembly.

6 Check wire harness (to ground).

Side Airbag Sensor Assembly (LH)

**OK****CHECK:**

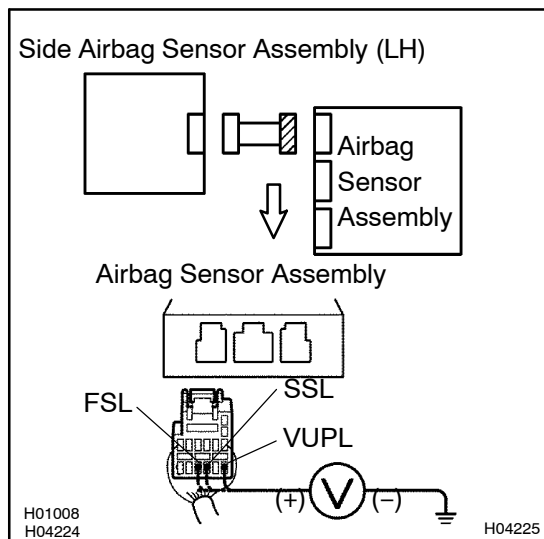
For the connector (on the airbag sensor assembly side) between the side airbag sensor assembly (LH) and airbag sensor assembly, measure the resistance between the body ground and each of SSL+, VUPL and FSL.

OK:

Resistance: 10 k Ω or Higher

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Repair or replace harness or connector between the side airbag sensor assembly (LH) and airbag sensor assembly.

7 Check wire harness (to B+).**CHECK:**

For the connector (on the airbag sensor assembly side) between the side airbag sensor assembly (LH) and airbag sensor assembly, measure the voltage between the body ground and each of SSL+, VUPL and FSL.

OK:

Voltage: Below 1 V

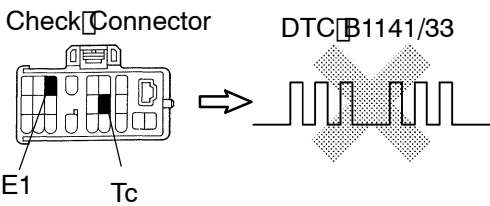
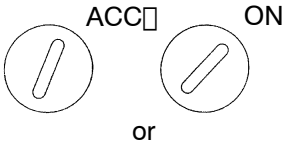
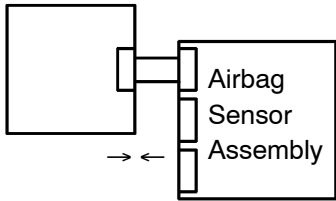
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Repair or replace harness or connector between the side airbag sensor assembly (LH) and airbag sensor assembly.

OK

8 Is DTC B1141/33 output again?

Side Airbag Sensor Assembly (LH)



H01007
AB0118 AB0119
R13006 H01066

H01170

PREPARATION:

- Connect the side airbag sensor assembly (LH).
- Connect the connector to the airbag sensor assembly.
- Connect negative (-) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

- Turn ignition switch to ACC or ON, and wait at least for 20 seconds.
- Clear DTC stored in memory.
(See step 5 on page DI-386)
- Turn ignition switch to LOCK, and wait at least for 20 seconds.
- Turn ignition switch to ACC or ON, and wait at least for 20 seconds.
- Check DTC.
(See page DI-386)

OK:

DTC B1141/33 is not output.

HINT:

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

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Replace side airbag sensor assembly (LH).

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. If the malfunctioning part can not be detected by the simulation method, replace all SRS components including the wire harness.