

DTC	B1141/33	SIDE AIRBAG SENSOR ASSY (LH) MALFUNCTION
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DTC	B1147/33	SIDE AIRBAG SENSOR ASSY (LH) MALFUNCTION
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CIRCUIT DESCRIPTION

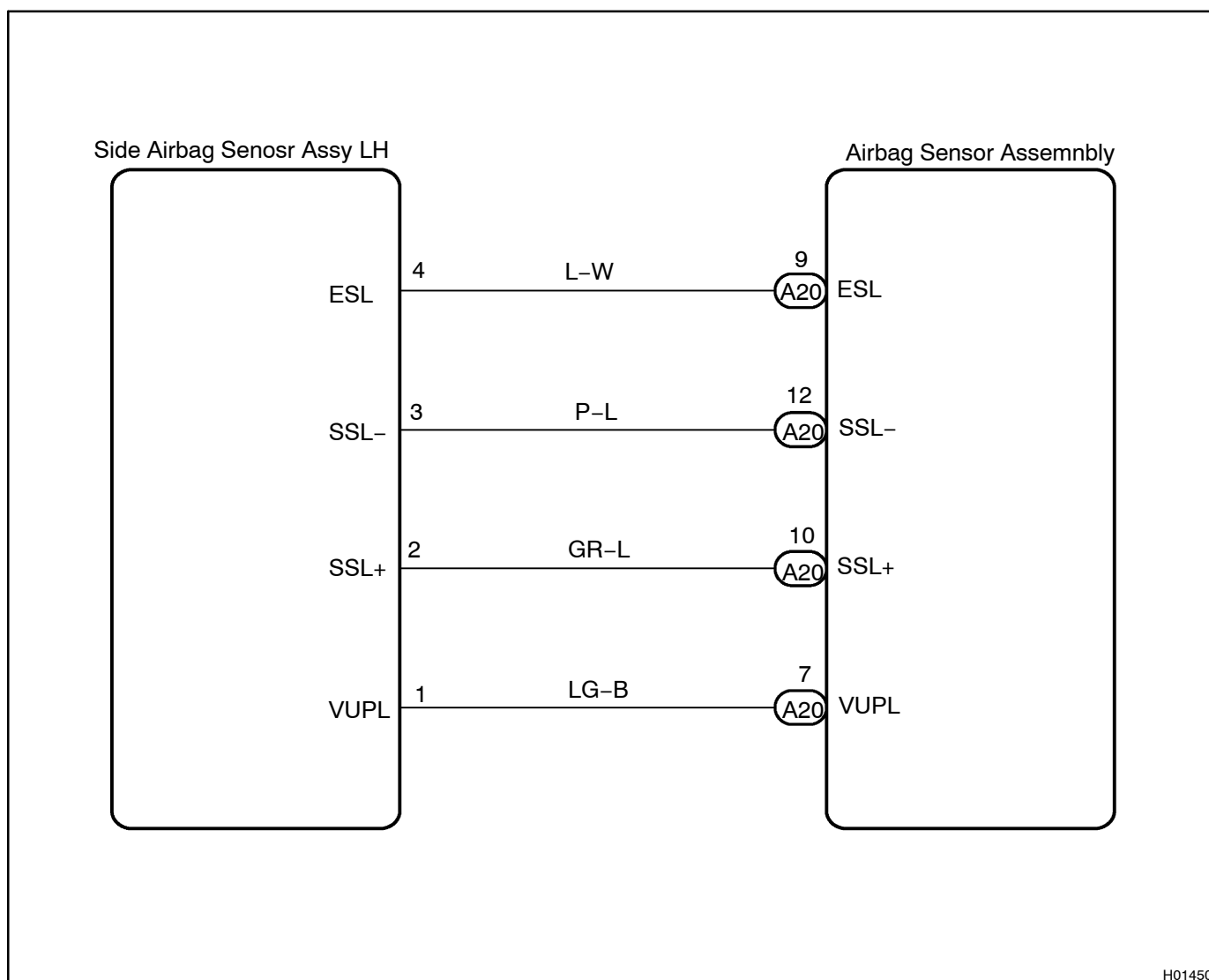
The side airbag sensor assy LH consists of the safing sensor, diagnosis circuit and lateral deceleration sensor, etc.

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 airbag sensor assy LH is detected.

DTC No.	DTC Detecting Condition	Trouble Area
B1141/33	• Side airbag sensor assy LH malfunction	• Side airbag sensor assy LH • Floor wire No. 2

WIRING DIAGRAM

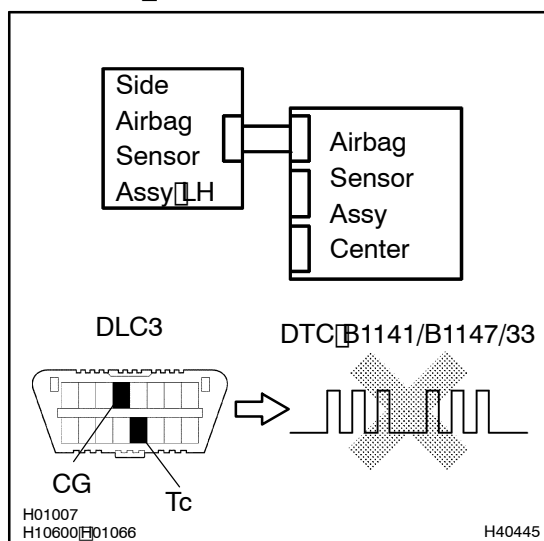


H01450

INSPECTION PROCEDURE

1 CHECK SIDE AIRBAG SENSOR ASSY LH

SST 09843-18040



- Connect the negative (-) terminal cable to the battery, and wait at least for 2 seconds.
- Turn the ignition switch to ON, and wait at least for 20 seconds.
- Clear the DTC stored in memory (See page 05-403).
- Turn the ignition switch to LOCK, and wait at least for 20 seconds.
- Turn the ignition switch to ON, and wait at least for 20 seconds.
- Check the DTC (See page 05-403).

OK:**DTC B1141/B1147/33 is not output.****OK****USE SIMULATION METHOD TO CHECK****NG**

2 CHECK AIRBAG SENSOR ASSY CENTER CONNECTOR

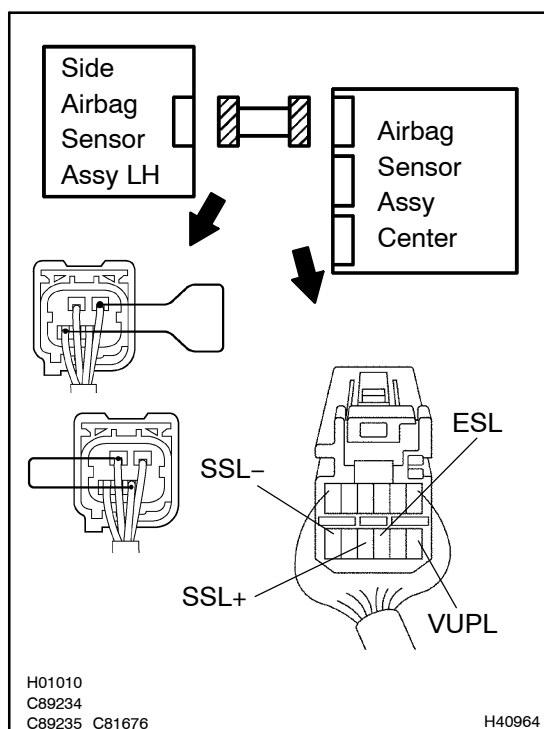
- Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- Check that the connector is properly connected to the airbag sensor assy center.

NG**CONNECT CONNECTORS****OK**

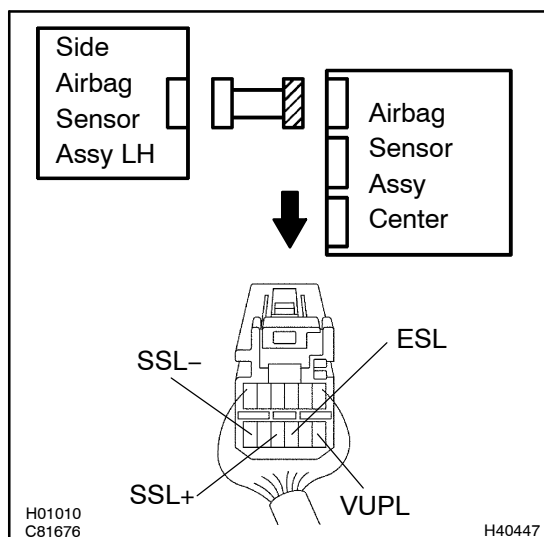
3 CHECK SIDE AIRBAG SENSOR ASSY CONNECTOR

- Check that the connector is properly connected to the side airbag sensor assy LH.

NG**CONNECT CONNECTORS****OK**

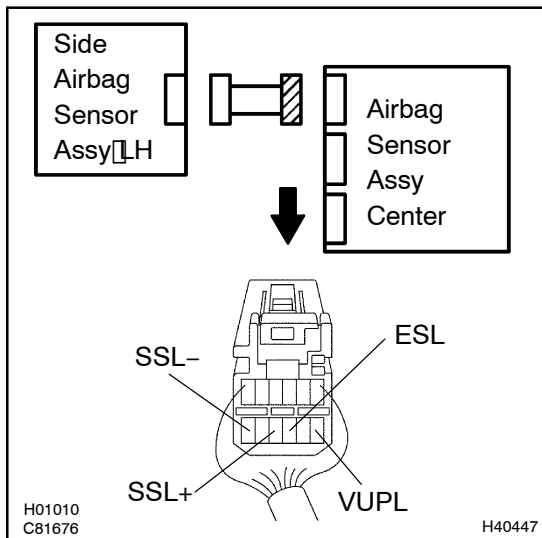
4 CHECK SIDE AIRBAG SENSOR ASSY(LH) CIRCUIT(OPEN)

- Disconnect the connectors between the airbag sensor assy center and the side airbag sensor assy LH.
- Using a service wire, connect the terminals of connector, between VUPL and ESL, and between SSL+ and SSL-.
- For the connector (on the airbag sensor assy center side) between the side airbag sensor assy RH and the airbag sensor assy center, measure the resistance between VUPL and ESL, and between SSL+ and SSL-.

OK:**Resistance: Below 1 Ω** **NG****REPAIR OR REPLACE FLOOR WIRE NO.2****OK****5 CHECK SIDE AIRBAG SENSOR ASSY(LH) CIRCUIT(TO GROUND)**

- Disconnect the connection between VUPL and SSL-, and between ESL and SSL+.
- For the connector (on the airbag sensor assy center side) between the side airbag sensor assy LH and the airbag sensor assy center, measure the resistance between each terminal of VUPL, SSL- and SSL+, and body ground.

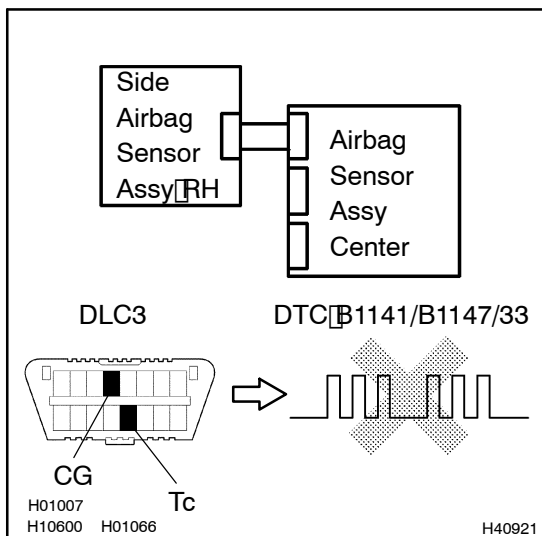
OK:**Resistance: 1M Ω or Higher****NG****REPAIR OR REPLACE FLOOR WIRE NO.2****OK**

6 CHECK SIDE AIRBAG SENSOR ASSY (LH) CIRCUIT (TO B+)

- (a) Connect negative (-) terminal cable to the battery, and turn the ignition switch to ON.
- (b) For the connector (on the airbag sensor Assy center side) between the side airbag sensor Assy LH and the airbag sensor Assy center, measure the voltage between each terminal of VUPL, SSL- and SSL+, and body ground.

OK:**Voltage: Below 1V****NG****REPAIR OR REPLACE FLOOR WIRE NO.2****OK****7 CHECK SIDE AIRBAG SENSOR ASSY LH**

SST 09843-18040



- (a) Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- (b) Connect the airbag sensor Assy center connector.
- (c) Interchange the side airbag sensor Assy RH and LH and connect the connector.
- (d) Connect the negative (-) terminal cable to the battery, and wait at least for 2 seconds.
- (e) Turn the ignition switch to ON, and wait at least for 20 seconds.
- (f) Clear the DTC stored in memory (See page 05-403).
- (g) Turn the ignition switch to LOCK, and wait at least for 20 seconds.
- (h) Turn the ignition switch to ON, and wait at least for 20 seconds.
- (i) Check if one of the DTC B1141/B1147/33 is changed to DTC B1140/B1146/32 (See page 05-403).

(A): DTC is not changed.**(B): DTC is changed.****B****REPLACE SIDE AIR BAG SENSOR ASSY LH****A**

8 USE SIMULATION METHOD TO CHECK**NG****Go to step 1****OK****REPLACE ALL SRS COMPONENTS INCLUDING THE WIRE HARNESS**