

DTC	B1140/32	SIDE AIRBAG SENSOR ASSY (RH) MALFUNCTION
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DTC	B1146/32	SIDE AIRBAG SENSOR ASSY (RH) MALFUNCTION
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CIRCUIT DESCRIPTION

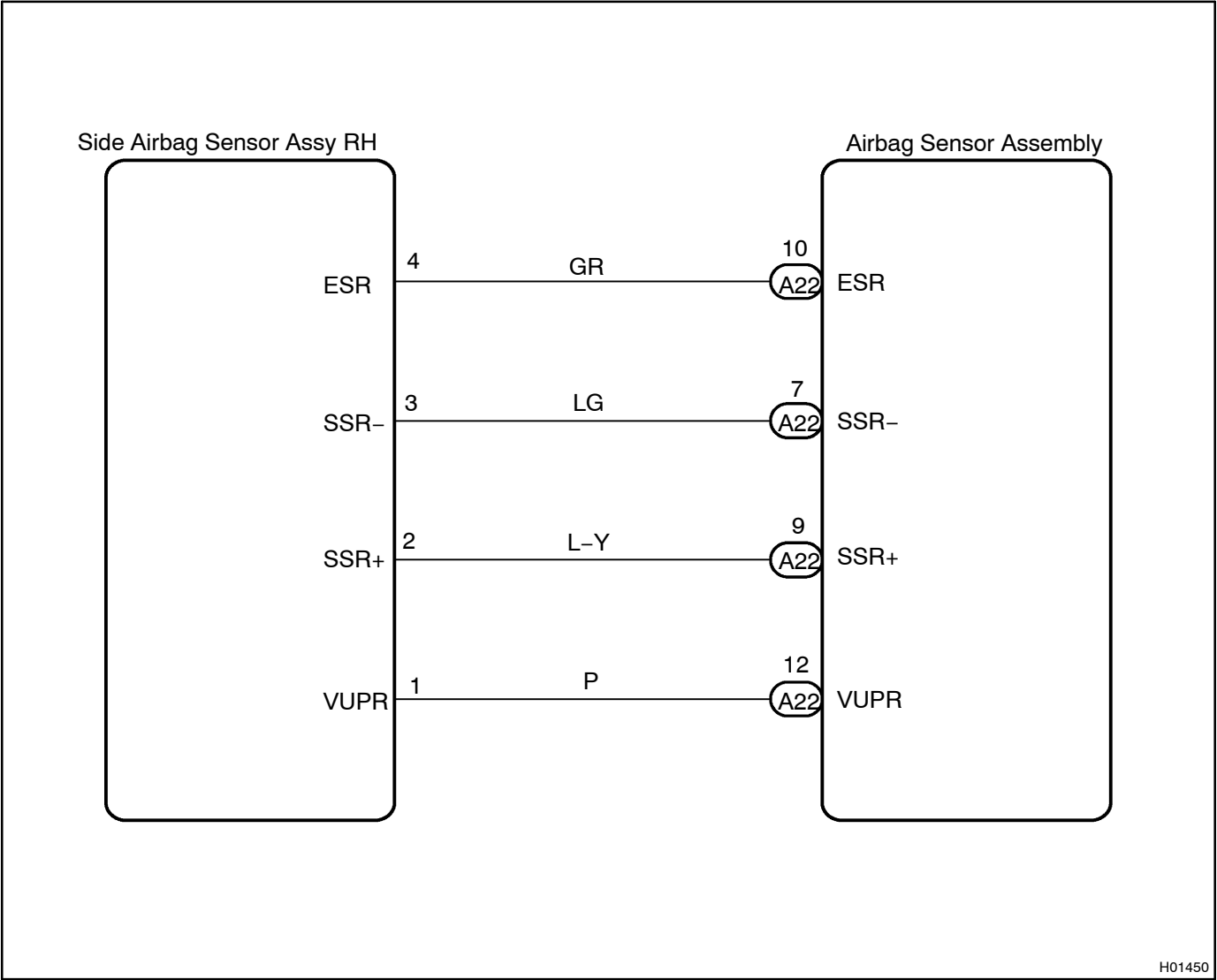
The side airbag sensor assy RH consists of the safing sensor, diagnosis circuit and lateral deceleration sensor, etc.

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

DTC B1140/32 is recorded when occurrence of a malfunction in the side airbag sensor assy RH is detected.

DTC No.	DTC Detecting Condition	Trouble Area
B1140/32	•Side airbag sensor assy RH malfunction	•Side airbag sensor assy RH •Floor wire

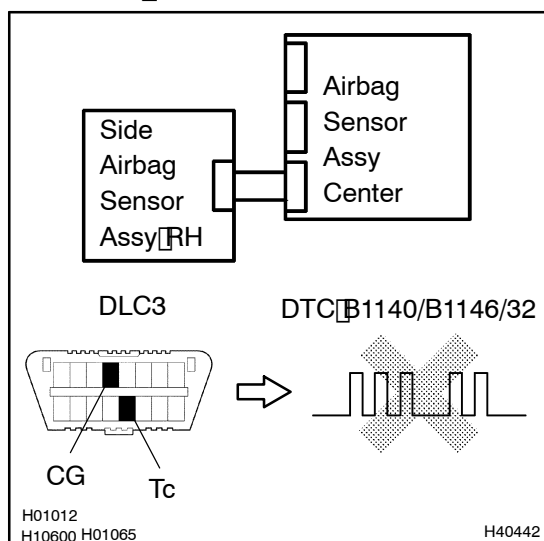
WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK SIDE AIRBAG SENSOR ASSY RH

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 B1140/B1146/32 is not output.****HINT:**

Codes other than code B1140/B1146/32 may be output at this time, but they are not relevant to this check.

OK**USE SIMULATION METHOD TO CHECK****NG**

2 CHECK AIRBAG SENSOR ASSY CENTER CONNECTOR

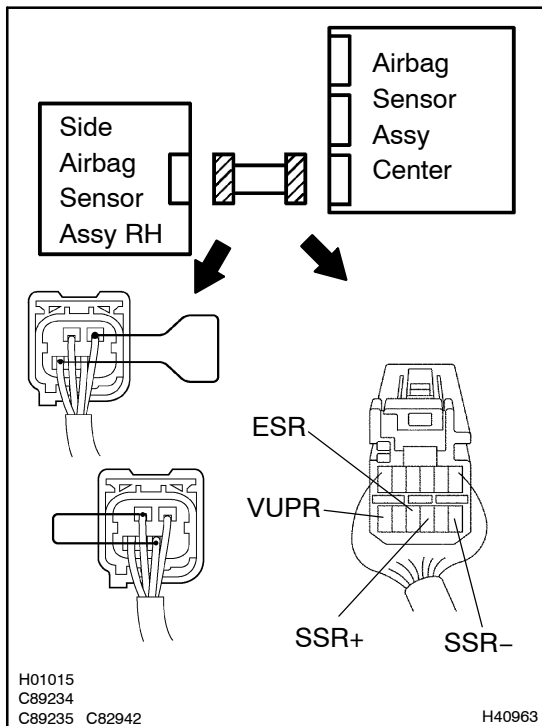
- Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- Check that the connector is properly connected to the airbag sensor assy center.

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

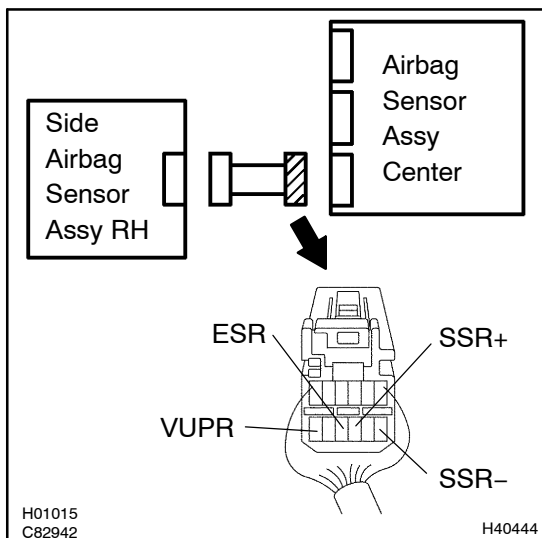
3 CHECK SIDE AIRBAG SENSOR ASSY CONNECTOR

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

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

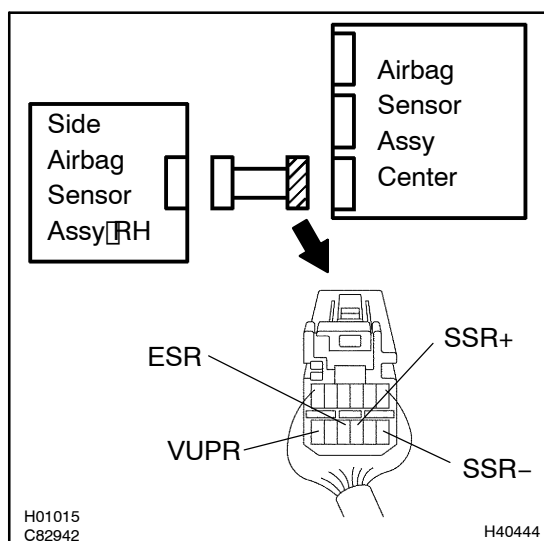
4 CHECK SIDE AIRBAG SENSOR ASSY(RH) CIRCUIT(OPEN)

- Disconnect the connectors between the airbag sensor assy center and the side airbag sensor assy RH.
- Using a service wire, connect the terminals of connector, between VUPR and ESR, and between SSR+ and SSR-.
- 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 VUPR and ESR, and between SSR+ and SSR-.

OK:**Resistance: Below 1 Ω** **NG****REPAIR OR REPLACE FLOOR WIRE****OK****5 CHECK SIDE AIRBAG SENSOR ASSY(RH) CIRCUIT(TO GROUND)**

- Disconnect the connection between VUPR and SSR-, and between ESR and SSR+.
- 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 each terminal of VUPR, SSR- and SSR+, and body ground.

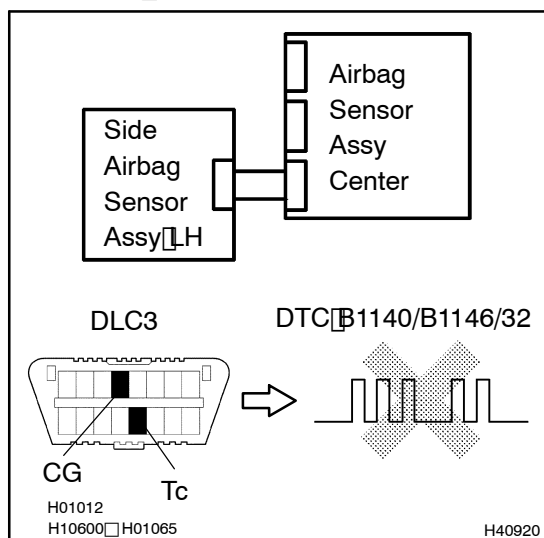
OK:**Resistance: 1M Ω or Higher****NG****REPAIR OR REPLACE FLOOR WIRE****OK**

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

- Connect negative (-) terminal cable to the battery, and turn the ignition switch to ON.
- 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 voltage between each terminal of VUPR, SSR- and SSR+, and body ground.

OK:**Voltage: Below 1V****NG****REPAIR OR REPLACE FLOOR WIRE****OK****7 CHECK SIDE AIRBAG SENSOR ASSY RH**

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- Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- Connect the airbag sensor Assy center connector.
- Interchange the side airbag sensor Assy RH and LH and connect the connector.
- 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 if one of the DTC B1140/B1146/32 is changed to DTC B1141/B1147/33 (See page 05-403).

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

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