DTC	B0112/41	Short in Side Squib RH Circuit (to Ground)

CIRCUIT DESCRIPTION

The side squib RH circuit consists of the airbag sensor assembly and the side airbag assembly RH.

It causes the SRS to deploy when the SRS deployment conditions are satisfied.

For details of the function of each component, see OPERATION on page RS–3.

DTC B0112/41 is recorded when ground short is detected in the side squib RH circuit.

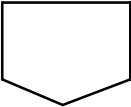| DTC No.	DTC Detecting Condition	Trouble Area
B0112/41	• Short in side squib RH circuit (to ground) • Side squib RH malfunction • Airbag sensor assembly malfunction	• Side airbag assembly RH (Side squib RH) • Airbag sensor assembly • Floor No. 2 wire

HINT:

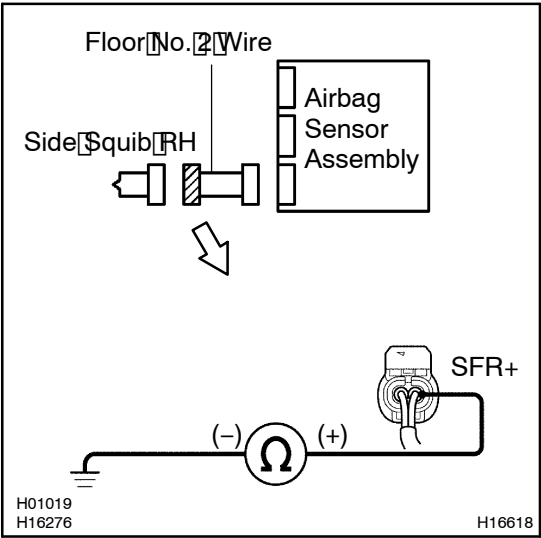DTC B0112/41 is indicated only for the vehicle equipped with the side airbag.

WIRING DIAGRAM

See page DI–486.

INSPECTION PROCEDURE

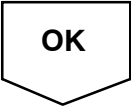| 1	Prepare for inspection (See step 1 on page DI–764).

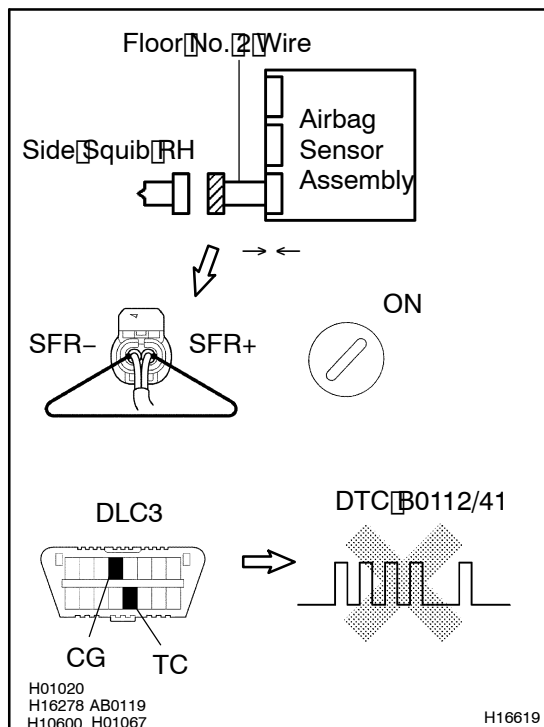| 2	Check floor No. 2 wire (side squib RH circuit).

CHECK:
Measure the resistance between the body ground and SFR+ of the floor No. 2 wire connector on the side airbag assembly RH (side squib RH) side.
OK:

    Resistance: 1 MΩ or Higher

NG >	Repair or replace floor No. 2 wire.

OK

3	Check airbag sensor assembly.

Floor No. 2 Wire

Airbag Sensor Assembly

Side Squib RH

SFR–   SFR+

ON

DLC3

DTC B0112/41

CG   TC

H01020
H16278 AB0119
H10600 H01067

H16619

PREPARATION:
(a) Connect the connector to the airbag sensor assembly.
(b) Using a service wire, connect SFR+ and SFR– of the floor No. 2 wire connector on the side airbag assembly RH (side squib RH) side.
(c) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.

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).
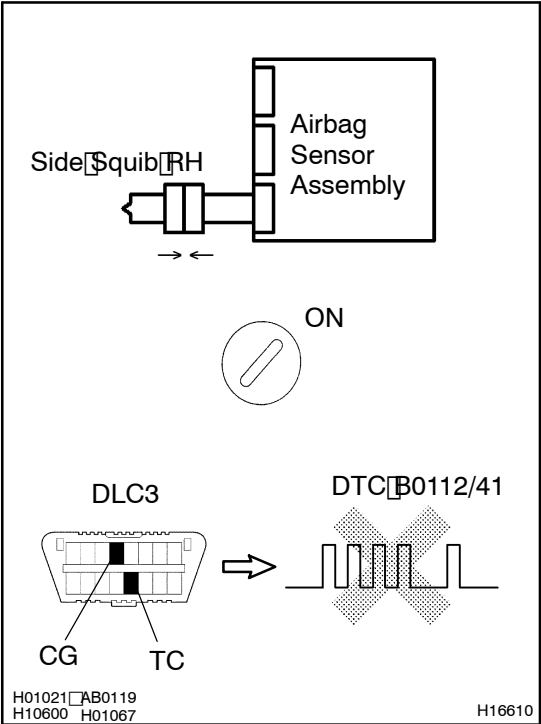
OK:
　　DTC B0112/41 is not output.

HINT:
Codes other than code B0112/41 may be output at this time, but they are not relevant to this check.

NG	Replace airbag sensor assembly.

OK

4	Check side squib RH.

PREPARATION:

(a) Turn the ignition switch to LOCK.

(b) Disconnect the negative (−) terminal cable from the battery, and wait at least for 90 seconds.

(c) Connect the side airbag assembly RH (side squib RH) connector.

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

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 B0112/41 is not output.

HINT:

Codes other than code B0112/41 may be output at this time, but they are not relevant to this check.

NG ⟩	Replace side airbag assembly RH (side squib RH).

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.