DTC	B0113/42	SHORT IN SIDE SQUIB (RH) CIRCUIT (TO B+)

CIRCUIT DESCRIPTION

The side squib RH circuit consists of the airbag sensor assy center and the front seat airbag assy RH.
It causes the SRS to deploy when the SRS deployment conditions are satisfied.
DTC B0113/42 is recorded when a B+ short is detected in the side squib RH circuit.

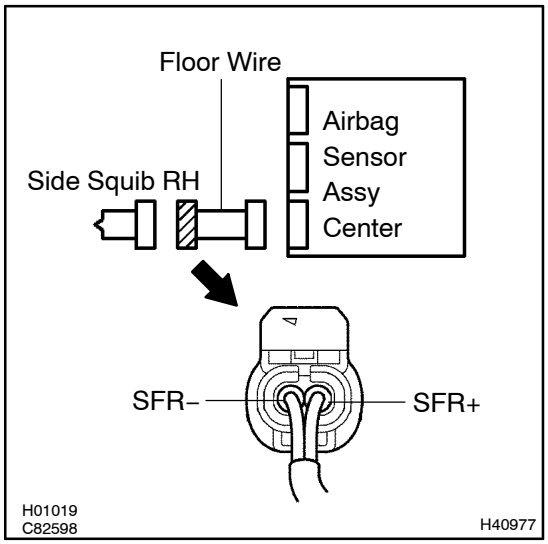
DTC No.	DTC Detecting Condition	Trouble Area
B0113/42	• Short in side squib RH circuit (to B+) • Side squib RH malfunction • Airbag sensor assy center malfunction	• Front seat airbag assy RH (Side squib RH) • Airbag sensor assy center • Floor wire

WIRING DIAGRAM

See page 05–1166.

INSPECTION PROCEDURE

1	CHECK FLOOR WIRE (SIDE SQUIB RH CIRCUIT)



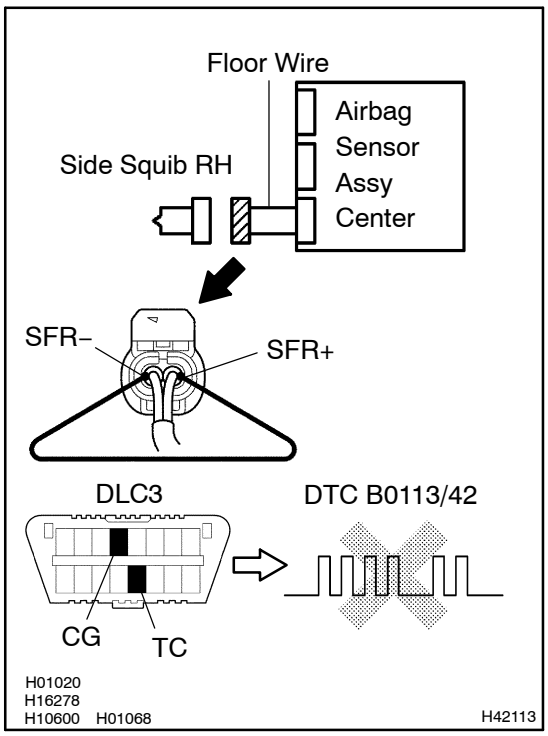
(a) Disconnect the negative (–) terminal cable from the battery, and wait at least for 90 seconds.
(b) Disconnect the connectors between the airbag sensor assy center and the front seat airbag assy RH.
(c) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
(d) Turn the ignition switch to ON.
(e) Measure the voltage between the body ground and SFR+ of the floor wire connector on the front seat airbag assy RH side.
OK:
Voltage: Below 1 V

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

2 CHECK AIR BAG SENSOR ASSY CENTER

SST 09843–18040



(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 connector to the airbag sensor assy center.
(d) Using a service wire, connect SFR+ and SFR– of the floor wire connector on the front seat airbag assy RH side.
(e) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
(f) Turn the ignition switch to ON, and wait at least for 10 seconds.
(g) Clear the DTC stored in memory (See page 05–1122).
(h) Turn the ignition switch to LOCK, and wait at least for 10 seconds.
(i) Turn the ignition switch to ON, and wait at least for 10 seconds.
(j) Check the DTC (See page 05–1122).
OK:
DTC B0113/42 is not output.

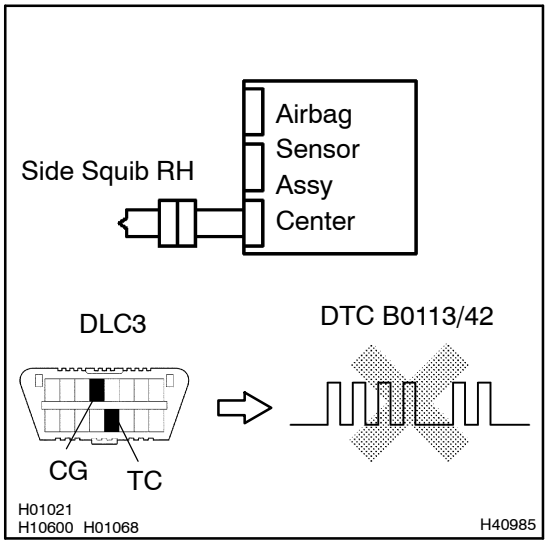
HINT:
Codes other than code B0113/42 may be output at this time, but they are not relevant to this check.

NG → **REPLACE AIR BAG SENSOR ASSY CENTER**

OK

3	CHECK SIDE SQUIB (RH)

SST 09843–18040



(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 front seat airbag assy RH 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 10 seconds.
(f) Clear the DTC stored in memory (See page 05–1122).
(g) Turn the ignition switch to LOCK, and wait at least for 10 seconds.
(h) Turn the ignition switch to ON, and wait at least for 10 seconds.
(i) Check the DTC (See page 05–1122).
OK:
DTC B0113/42 is not output.

HINT:
Codes other than code B0113/42 may be output at this time, but they are not relevant to this check.

NG → **REPLACE FRONT SEAT BACK ASSEMBLY RH**

OK

4	USE SIMULATION METHOD TO CHECK

NG → **Go to step 1**

OK

REPLACE ALL SRS COMPONENTS INCLUDING WIRE HARNESS