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 separate type front seat back assy (side squib RH).
This circuit instructs the SRS to deploy when deployment conditions are met.
DTC B0113/42 is recorded when a short to B+ is detected in the side squib RH circuit.

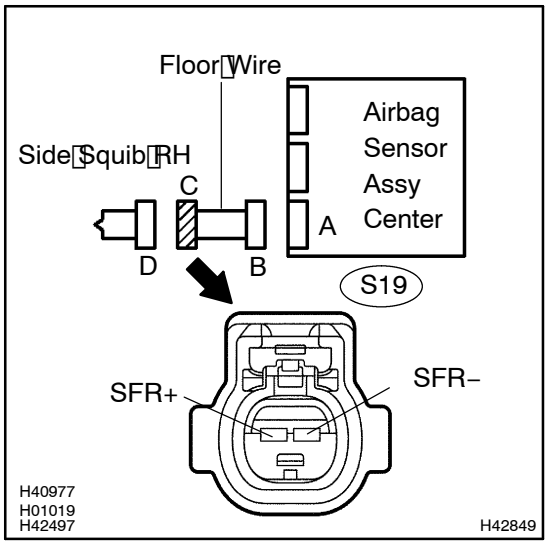
DTC No.	DTC Detecting Condition	Trouble Area
B0113/42	• Short circuit in side squib (RH) wire harness (to B+) • Side squib (RH) malfunction • Airbag sensor assy center malfunction	• Separate type front seat back assy (Side squib RH) • Airbag sensor assy center • Floor wire

WIRING DIAGRAM

See page 05–557.

INSPECTION PROCEDURE

1	CHECK FLOOR WIRE (SIDE SQUIB RH CIRCUIT)



(a) Turn the ignition switch to the LOCK position.
(b) Disconnect the negative (–) terminal cable from the battery, and wait for at least 90 seconds.
(c) Disconnect the connectors from the airbag sensor assy center and the separate type front seat back assy (side squib RH).
(d) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
(e) Turn the ignition switch to the ON position.
(f) Measure the voltage according to the value(s) in the table below.

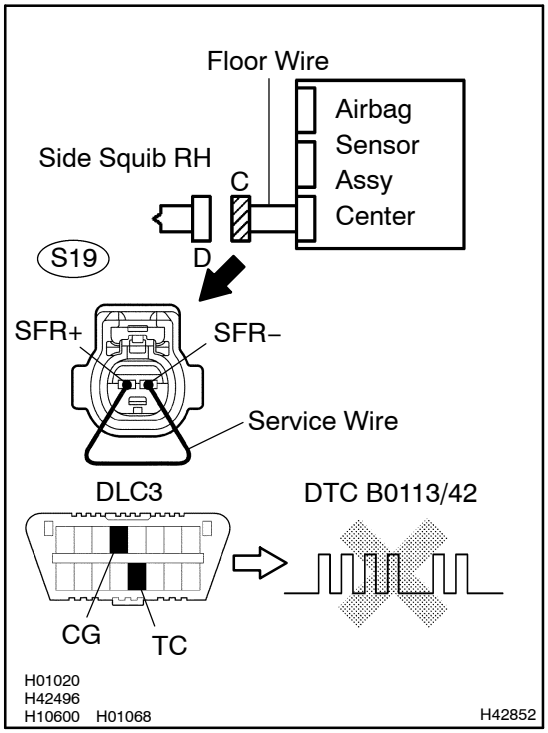
Standard:

Tester connection	Condition	Specified condition
S19–1 (SFR+) – Body ground	Ignition switch ON	Below 1 V
S19–2 (SFR–) – Body ground	Ignition switch ON	Below 1 V

NG → REPAIR OR REPLACE FLOOR WIRE

OK

2	CHECK AIR BAG SENSOR ASSY CENTER



(a) Turn the ignition switch to the LOCK position.
(b) Disconnect the negative (–) terminal cable from the battery, and wait for at least for 90 seconds.
(c) Connect the connector to the airbag sensor assy center.
(d) Using a service wire, connect S19–1 (SFR+) and S19–2 (SFR–) of connector "C".

NOTICE:
Do not forcibly insert a service wire into the terminals of the connector when connecting.

(e) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
(f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(g) Clear the DTCs stored in memory (see page 05–513).
(h) Turn the ignition switch to the LOCK position.
(i) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(j) Check the DTCs (see page 05–513).

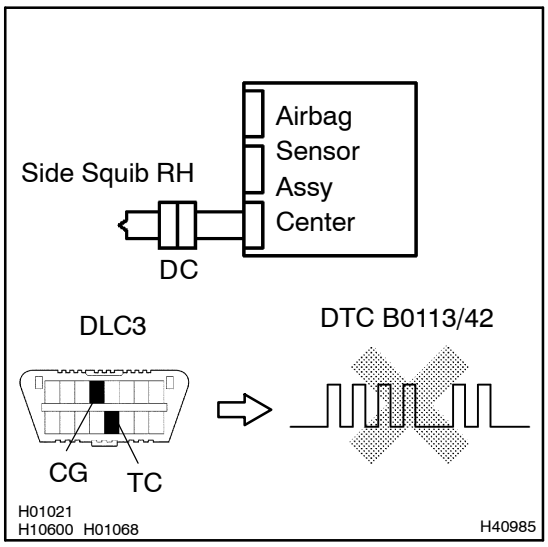
OK:
DTC B0113/42 is not output.

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

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

OK

3	CHECK SEPARATE TYPE FRONT SEAT BACK ASSY(SIDE SQUIB RH)



(a) Turn the ignition switch to the LOCK position.
(b) Disconnect the negative (–) terminal cable from the battery, and wait for at least 90 seconds.
(c) Disconnect the service wire from connector "C".
(d) Connect the connector to the separate type front seat back assy (side squib RH).
(e) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
(f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(g) Clear the DTCs stored in memory (see page 05–513).
(h) Turn the ignition switch to the LOCK position.
(i) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(j) Check the DTCs (see page 05–513).

OK:

DTC B0113/42 is not output.

HINT:

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

NG	REPLACE SEPARATE TYPE FRONT SEAT BACK ASSY

OK

USE SIMULATION METHOD TO CHECK

HINT:

- Before performing the simulation method, check that the airbag sensor assy center is in check mode (see page 05–516).
- Perform the simulation method by selecting the check mode with the hand–held tester (see page 05–516).
- After selecting the check mode, perform the simulation method by wiggling each connector of the airbag system or driving the vehicle on a city or rough road (see page 05–516).