DTC	B0117/45	SHORT IN SIDE SQUIB (LH) CIRCUIT (TO GROUND)

CIRCUIT DESCRIPTION

The side squib LH circuit consists of the airbag sensor assy center and the front seat airbag assy LH.
It causes the SRS to deploy when the SRS deployment conditions are satisfied.
DTC B0117/45 is recorded when a ground short is detected in the side squib LH circuit.

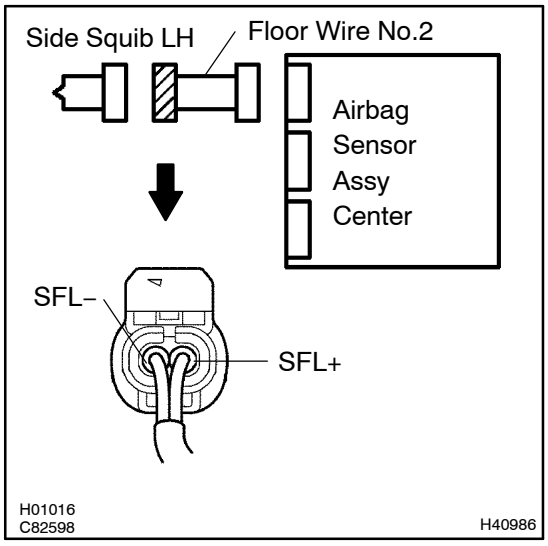
DTC No.	DTC Detecting Condition	Trouble Area
B0117/45	• Short in side squib LH circuit (to ground) • Side squib LH malfunction • Airbag sensor assy center malfunction	• Front seat airbag assy LH (Side squib LH) • Airbag sensor assy center • Floor wire No.2

WIRING DIAGRAM

See page 05–1178.

INSPECTION PROCEDURE

1	CHECK FLOOR WIRE NO.2 (SIDE SQUIB LH CIRCUIT)



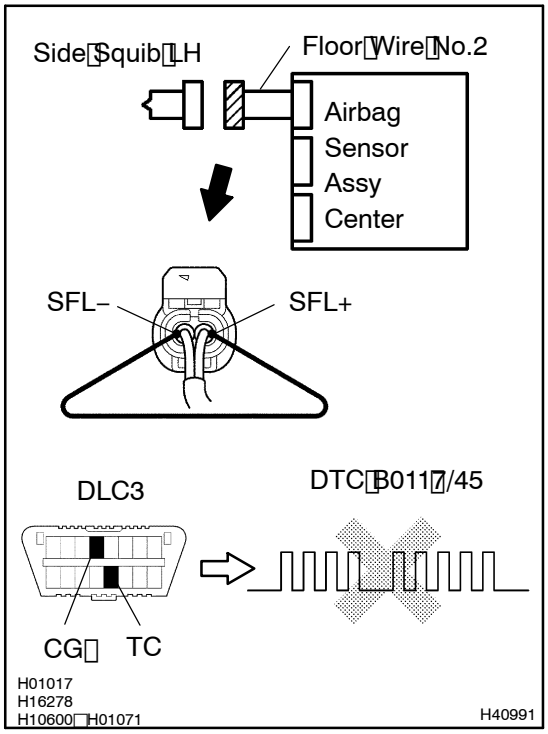
(a) Disconnect the negative (–) terminal cable from the battery, and wait at least for 90 seconds.
(b) Disconnect the connectors between the airbag sensor assy center and the front seat airbag assy LH.
(c) Measure the resistance between the body ground and SFL+ of the floor wire No.2 connector on the front seat airbag assy LH side.
OK:
Resistance: 1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE NO.2**

OK

2 CHECK AIR BAG SENSOR ASSY CENTER

SST 09843–18040



(a) Connect the connector to the airbag sensor assy center.
(b) Using a service wire, connect SFL+ and SFL– of the floor wire No.2 connector on the front seat airbag assy side.
(c) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
(d) Turn the ignition switch to ON, and wait at least for 10 seconds.
(e) Clear the DTC stored in memory (See page 05–1122).
(f) Turn the ignition switch to LOCK, and wait at least for 10 seconds.
(g) Turn the ignition switch to ON, and wait at least for 10 seconds.
(h) Check the DTC (See page 05–1122).

OK:

DTC B0117/45 is not output.

HINT:

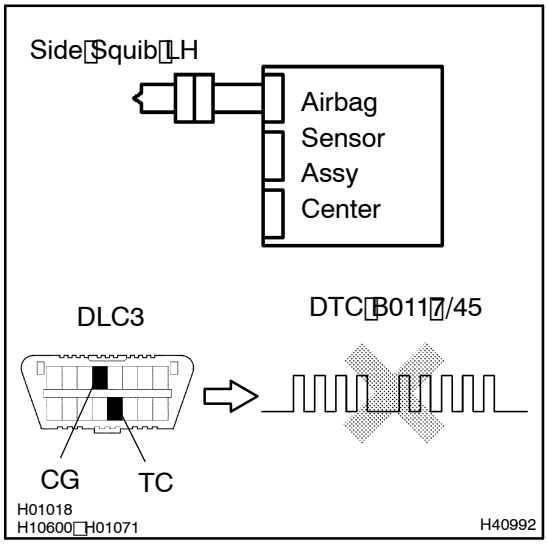
Codes other than code B0117/45 may be output at this time, but they are not relevant to this check.

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

OK

3	CHECK SIDE SQUIB (LH)

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 LH 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 B0117/45 is not output.

HINT:

Codes other than code B0117/45 may be output at this time, but they are not relevant to this check.

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

OK

4	USE SIMULATION METHOD TO CHECK

NG → **Go to step 1**

OK

REPLACE ALL SRS COMPONENTS INCLUDING WIRE HARNESS