DTC	B1183/22	SHORT IN D SQUIB (2ND STEP) CIRCUIT (TO B+)

CIRCUIT DESCRIPTION

The D squib (2nd step) circuit consists of the airbag sensor assy center, spiral cable sub–assy and horn button assy.
It causes the SRS to deploy when the SRS deployment conditions are satisfied.
DTC B1183/22 is recorded when a B+ short is detected in the D squib (2nd step) circuit.

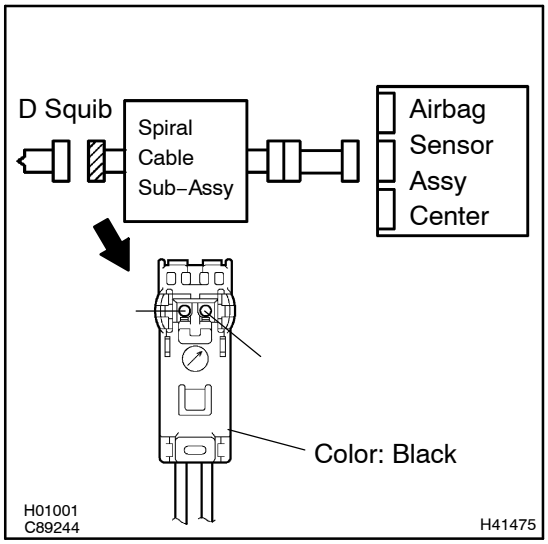
DTC No.	DTC Detecting Condition	Trouble Area
B1183/22	• Short circuit in D squib (2nd step) wire harness (to B+) • D squib (2nd step) malfunction • Spiral cable sub–assy malfunction • Airbag sensor assy center malfunction	• Horn button assy (D squib, 2nd step) • Spiral cable sub–assy • Airbag sensor assy center • Instrument panel wire

WIRING DIAGRAM

See page 05–932.

CIRCUIT INSPECTION

1	CHECK D SQUIB CIRCUIT(AIRBAG SENSOR ASSY CENTER – HORN BUTTON ASSY)



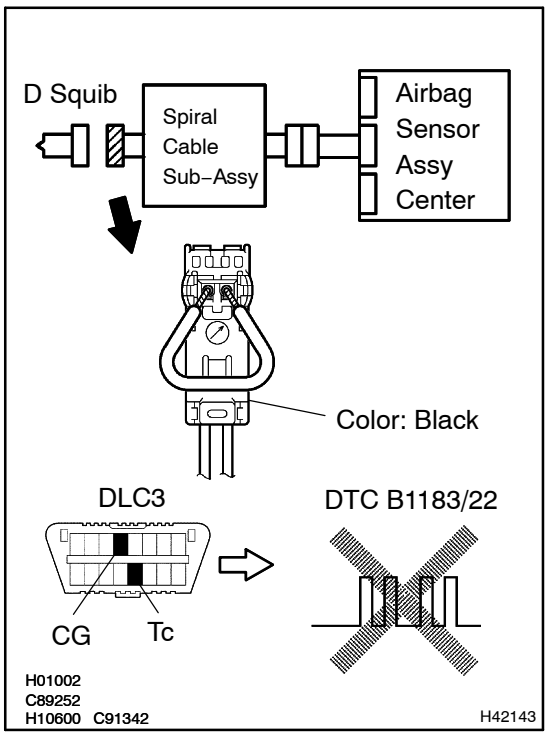
(a) Disconnect the negative (–) terminal cable from the battery, and wait at least for 90 seconds.
(b) Disconnect the connectors between the airbag sensor assy center and the horn button assy.
(c) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
(d) Turn the ignition switch to ON.
(e) For the black connector (on the spiral cable sub–assy side) between the spiral cable sub–assy and the horn button assy, measure the voltage between D2+ and body ground.
OK:
Voltage: Below 1 V

NG → **Go to step 5**

OK

2 CHECK AIR BAG SENSOR ASSY CENTER

SST 09843–18040



(a) Turn the ignition switch to LOCK.
(b) Disconnect 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 D2+ and D2– of the black connector (on the spiral cable sub–assy side) between the horn button assy and the spiral cable sub–assy.
(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 20 seconds.
(g) Clear the DTC stored in memory (See page 05–758).
(h) Turn the ignition switch to LOCK, and wait at least for 20 seconds.
(i) Turn the ignition switch to ON, and wait at least for 20 seconds.
(j) Check the DTC (See page 05–758).

OK:

DTC B1183/22 is not output.

HINT:

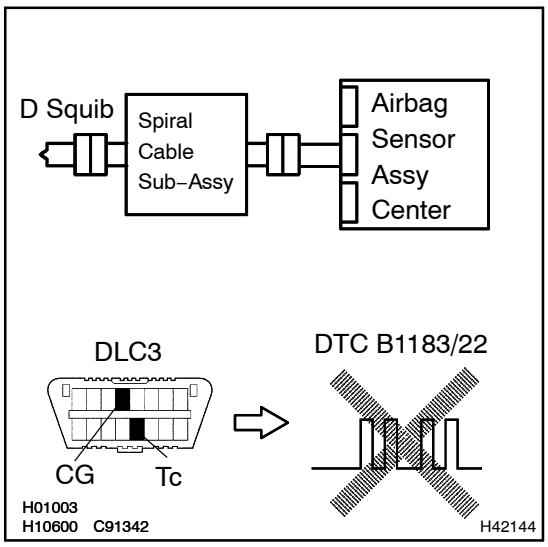
Codes other than code B1183/22 may be output at this time, but they are not relevant to this check.

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

OK

3	CHECK D SQUIB

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 horn button assy connectors.
(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 20 seconds.
(f) Clear the DTC stored in memory (See page 05–758).
(g) Turn the ignition switch to LOCK, and wait at least for 20 seconds.
(h) Turn the ignition switch to ON, and wait at least for 20 seconds.
(i) Check the DTC (See page 05–758).

OK:
DTC B1183/22 is not output.

HINT:
Codes other than code B1183/22 may be output at this time, but they are not relevant to this check.

NG → **REPLACE HORN BUTTON ASSY**

OK

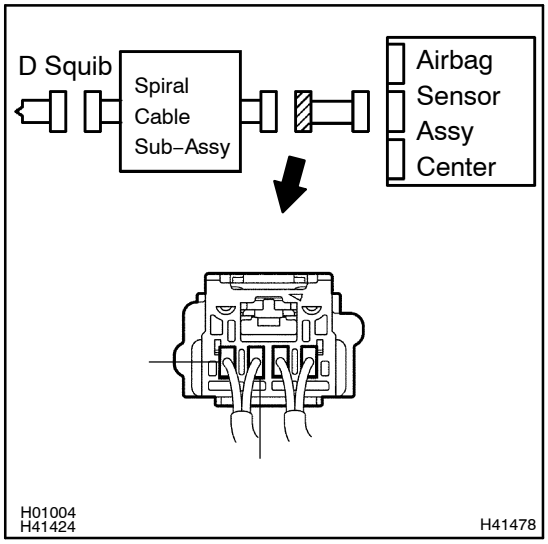
4	USE SIMULATION METHOD TO CHECK

NG → **Go to step 1**

OK

REPLACE ALL SRS COMPONENTS INCLUDING THE WIRE HARNESS

5	CHECK WIRE HARNESS(AIRBAG SENSOR ASSY CENTER – SPIRAL CABLE SUB–ASSY)

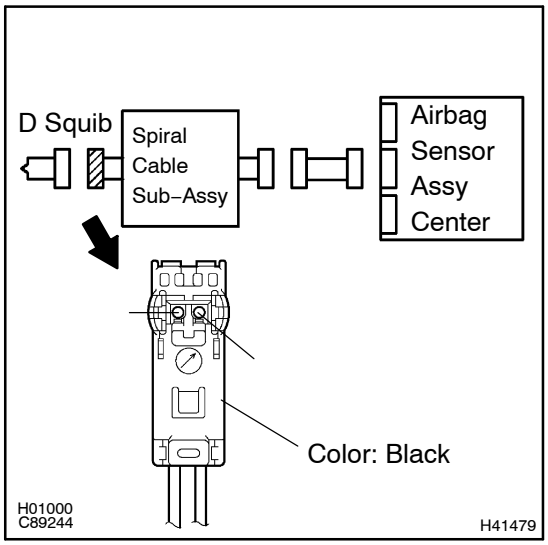


(a) Turn the ignition switch to LOCK.
(b) Disconnect the connectors of the instrument panel wire.
(c) Turn the ignition switch to ON.
(d) For the connector (on the spiral cable sub–assy side) between the airbag sensor assy center and the spiral cable sub–assy, measure the voltage between D2+ and body ground.
OK:
Voltage: Below 1 V

NG → **REPAIR OR REPLACE WIRE HARNESS(AIRBAG SENSOR ASSY CENTER – SPIRAL CABLE SUB–ASSY)**

OK

6	CHECK SPIRAL CABLE SUB–ASSY



(a) For the black connector (on the spiral cable sub–assy side) between the horn button assy and the spiral cable sub–assy, measure the voltage between D2+ and body ground.
OK:
Voltage: Below 1 V

NG → **REPLACE SPIRAL CABLE SUB–ASSY**

OK

7	USE SIMULATION METHOD TO CHECK

NG → **Go to step 1**

OK

REPLACE ALL SRS COMPONENTS INCLUDING THE WIRE HARNESS