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, the spiral cable sub–assy and the 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.

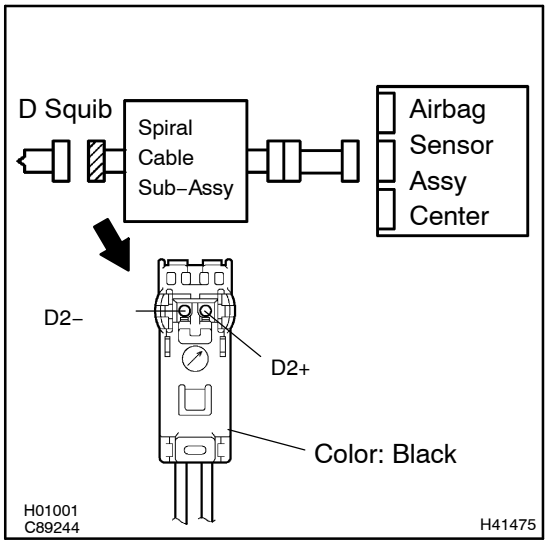
DTC No.	DTC Detecting Condition	Trouble Area
B1183/22	• Short in D squib (2nd step) circuit (to B+) • D squib (2nd step) malfunction • Spiral cable sub–assy malfunction • Airbag sensor assy center malfunction	• Horn button assy (D squib, 2nd step) • Spiral cable sub–assy • Airbag sensor assy center •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

WIRING DIAGRAM

See page 05–1297.

CIRCUIT INSPECTION

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



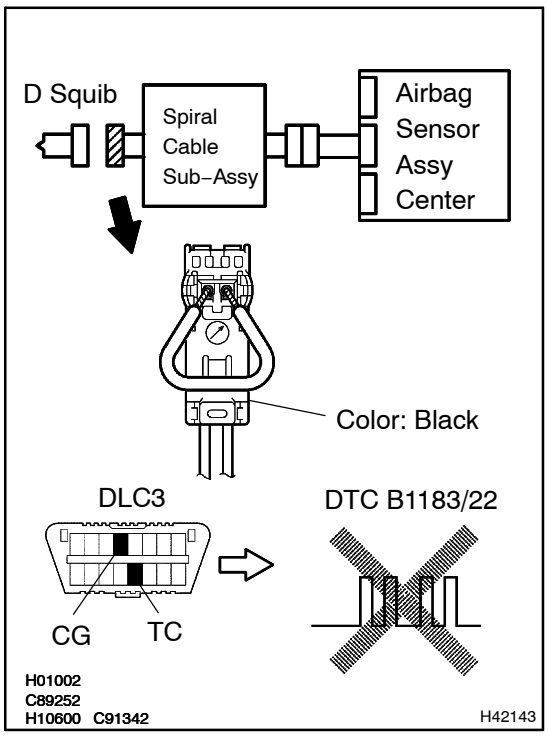
(a) Disconnect negative (–) terminal cable from the battery, and wait at least for 90 seconds.
(b) Disconnect the connector between the airbag sensor assy center and the horn button assy.
(c) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
(d) Turn the ignition switch to ON.
(e) Measure the voltage between the body ground and D2+ of the black connector on the horn button assy side between the airbag sensor assy center and the horn button assy.
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 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 D2+ and D2– of the black connector on the horn button assy side between the horn button assy and the airbag sensor assy center.
(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 B1183/22 is not output.

HINT:

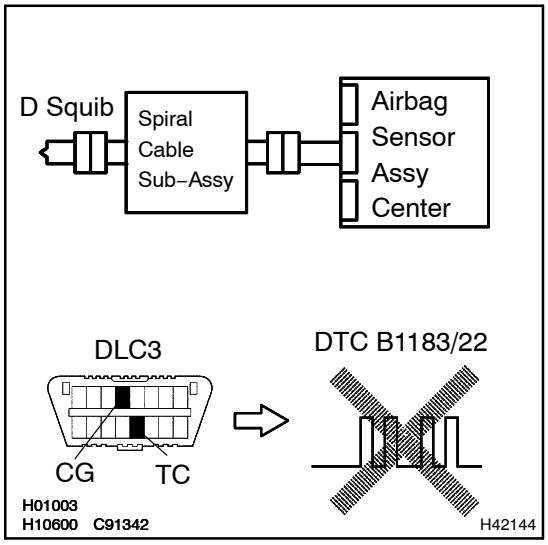
Codes other than code B1183/22 may be output at this time, but they are not relevant to this check.

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 wit 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 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

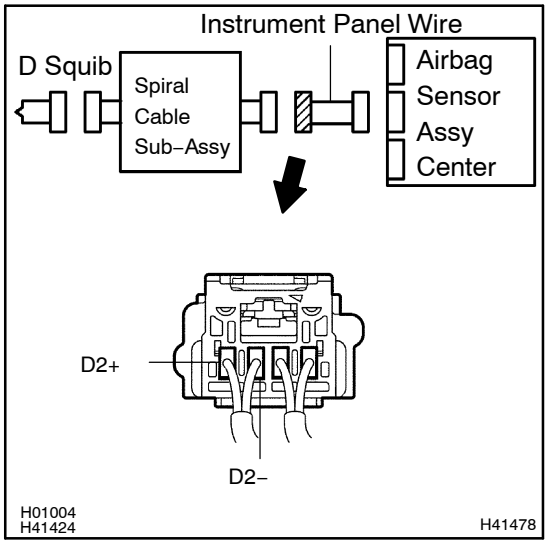
4	USE SIMULATION METHOD TO CHECK

NG → **Go to step 1**

OK

REPLACE ALL SRS COMPONENTS INCLUDING WIRE HARNESS

5 CHECK INSTRUMENT PANEL WIRE

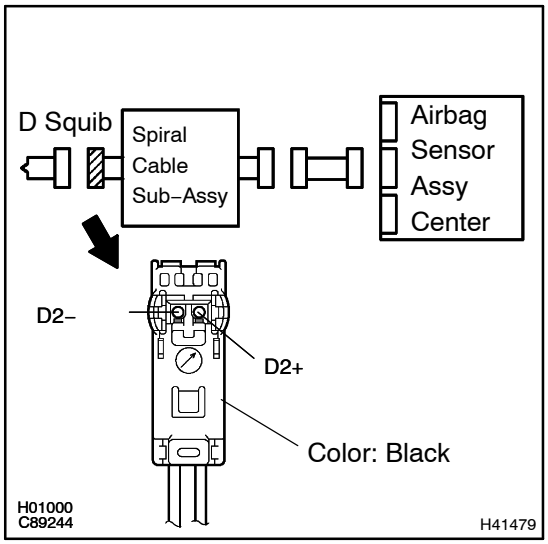


(a) Turn the ignition switch to LOCK.
(b) Disconnect the spiral cable sub–assy connectors from the instrument panel wire.
(c) Turn the ignition switch to ON.
(d) Measure the voltage between the bod ground and D2+ of the instrument panel wire connector on the spiral cable sub–assy side.
OK:
Voltage: Below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

NG → **REPAIR OR REPLACE INSTRUMENT PANEL WIRE**

OK

6 CHECK SPIRAL CABLE SUB–ASSY



(a) Measure the voltage between the body ground and D2+ of the black spiral cable sub–assy connector on the horn button assy side.
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 WIRE HARNESS