

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

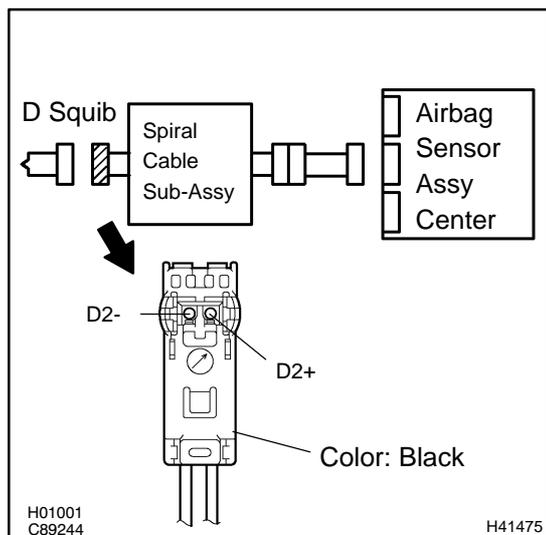
DTC No.	DTC Detecting Condition	Trouble Area
B1183/22	<ul style="list-style-type: none"> • Short in D squib (2nd step) circuit (to B+) • D squib (2nd step) malfunction • Spiral cable sub-assy malfunction • Airbag sensor assy center malfunction 	<ul style="list-style-type: none"> • Horn button assy (D squib, 2nd step) • Spiral cable sub-assy • Airbag sensor assy center • Instrument panel wire

WIRING DIAGRAM

See page 05-780 .

CIRCUIT INSPECTION

1	CHECK D SQUIB CIRCUIT
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- (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) 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.

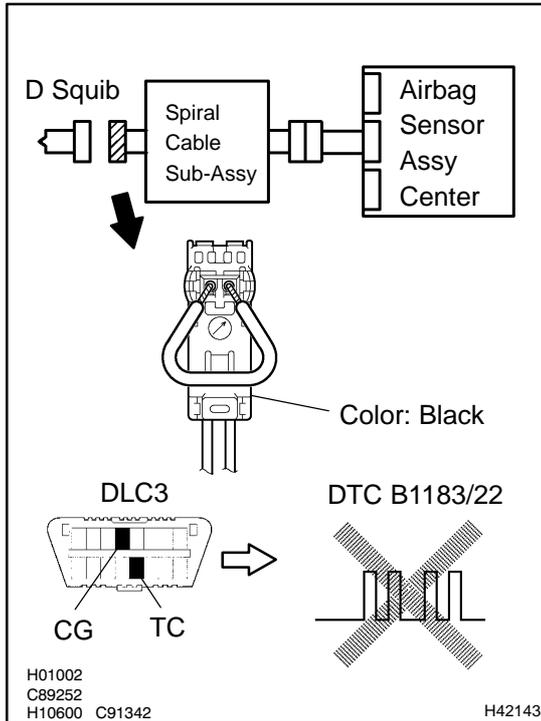
OK:
Voltage: Below 1 V

NG	Go to step 5
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OK

2 CHECK AIR BAG SENSOR ASSY CENTER

SST 09843-18040



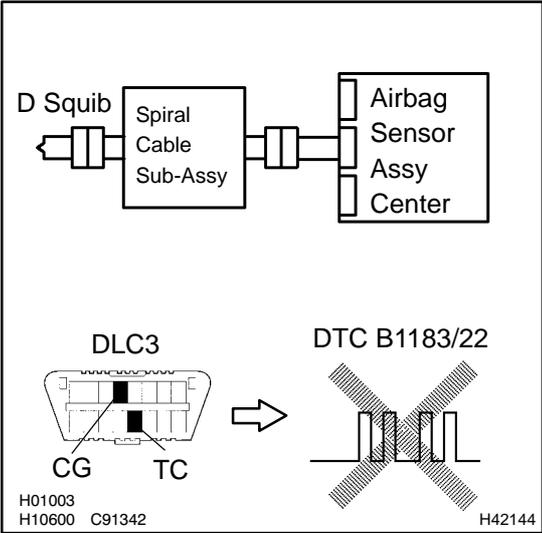
- (a) Turn the ignition switch to LOCK.
- (b) Disconnect negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- (c) Connect the connector to the airbag sensor assy center.
- (d) Using a service wire, connect D2+ and D2- of the black connector on the horn button assy side between 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 05-614).
- (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 05-614).

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



- (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 10 seconds.
- (f) Clear the DTC stored in memory (See page 05-614).
- (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 05-614).

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

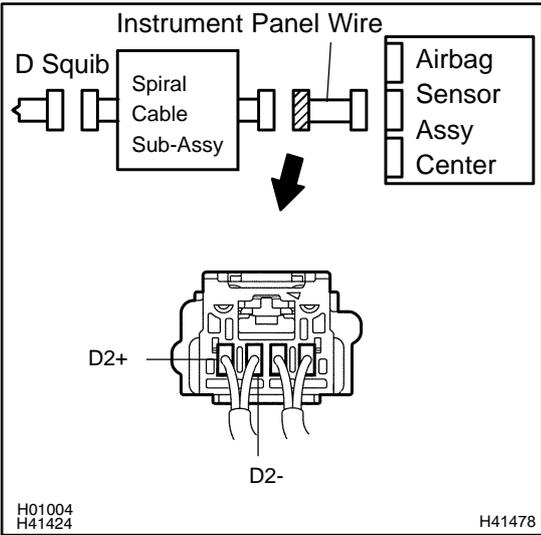
4 USE SIMULATION METHOD TO CHECK

NG → **Go to step 1**

OK

REPLACE ALL SRS COMPONENTS INCLUDING WIRE HARNESS

5 CHECK INSTRUMENT PANEL WIRE



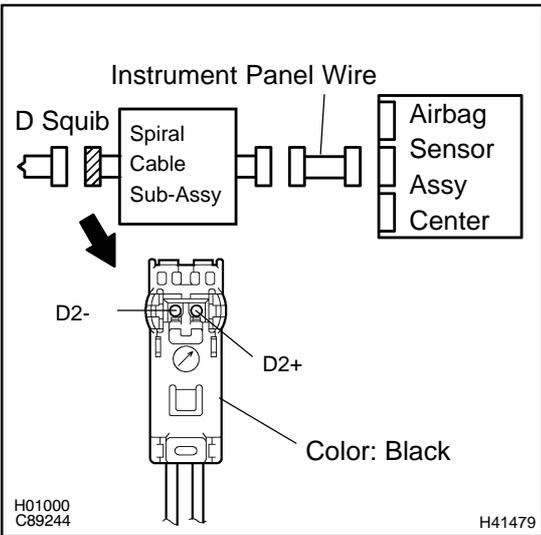
- (a) Turn the ignition switch to LOCK.
- (b) Disconnect the spiral cable sub-assy connector from the instrument panel wire.
- (c) Turn the ignition switch to ON.
- (d) Measure the voltage between the body ground and D2+ of the instrument panel wire connector on the spiral cable sub-assy side.

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

USE SIMULATION METHOD TO CHECK