

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

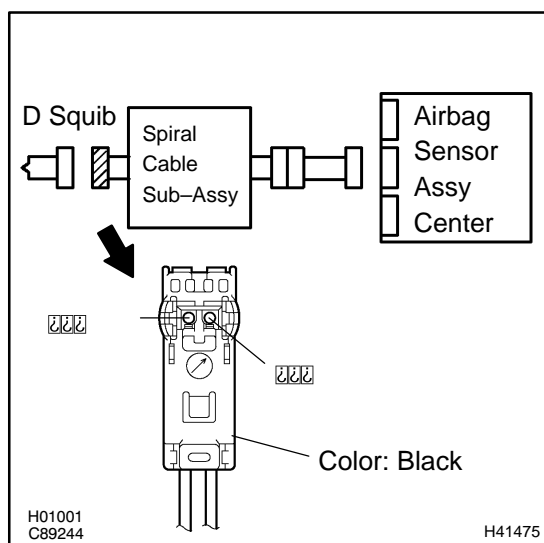
DTC No.	DTC Detecting Condition	Trouble Area
B1183/22	<ul style="list-style-type: none"> <li>• Short circuit in D squib (2nd step) wire harness (to B+)</li> <li>• D squib (2nd step) malfunction</li> <li>• Spiral cable sub-assy malfunction</li> <li>• Airbag sensor assy center malfunction</li> </ul>	<ul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

### WIRING DIAGRAM

See page 05-424.

### CIRCUIT INSPECTION

<b>1</b>	<b>CHECK D SQUIB CIRCUIT(AIRBAG SENSOR ASSY CENTER - HORN BUTTON ASSY)</b>
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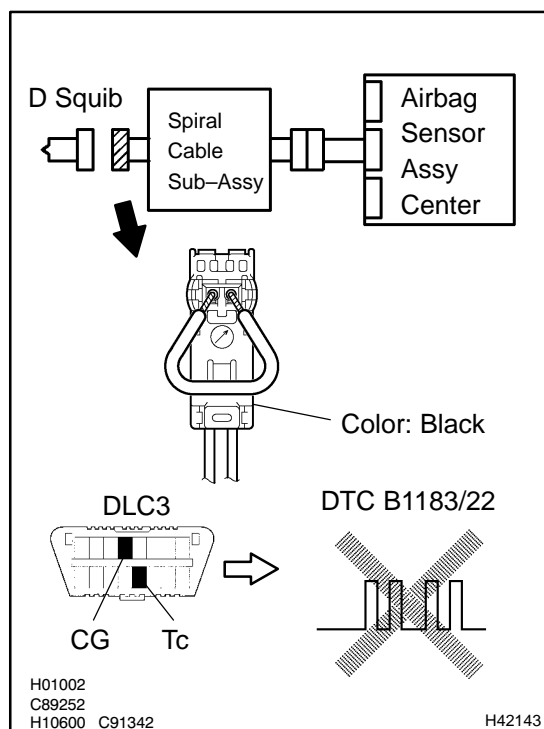
- (a) Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
  - (b) Disconnect the connectors between the airbag sensor assy center and the horn button assy.
  - (c) Connect the negative (-) terminal cable to the battery, and wait at least for 2 seconds.
  - (d) Turn the ignition switch to ON.
  - (e) 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** → **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 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 05-424).
- (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 05-424).

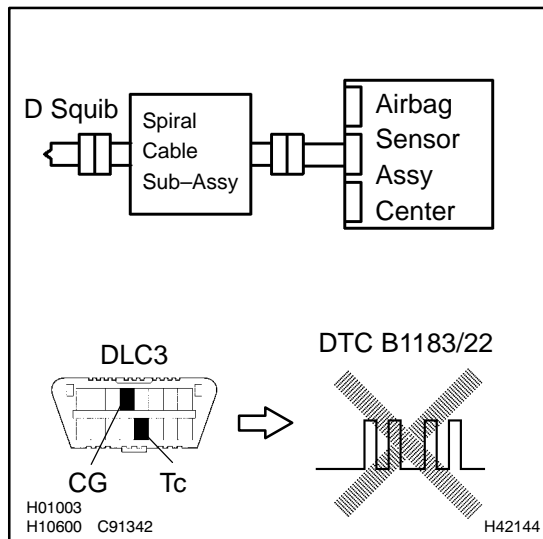
**OK:****DTC B1183/22 is not output.****HINT:**

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 05-424).
- (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 05-424).

**OK:****DTC B1183/22 is not output.**

HINT:

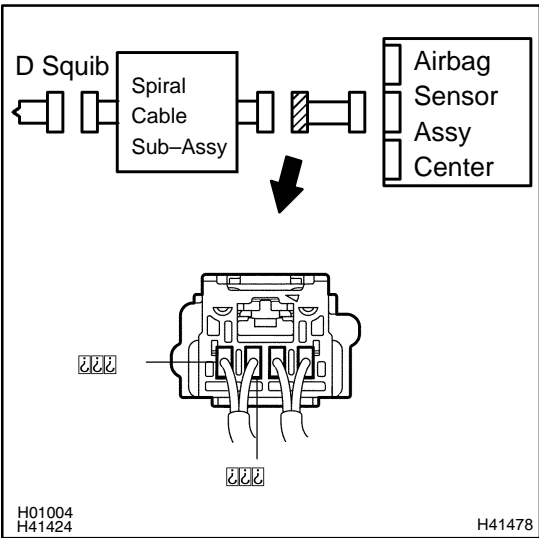
Codes other than code B1183/22 may be output at this time, but they are not relevant to this check.

**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 INSTRUMENT PANEL WIRE(AIRBAG SENSOR ASSY CENTER - SPIRAL CABLE SUB-ASSY)**



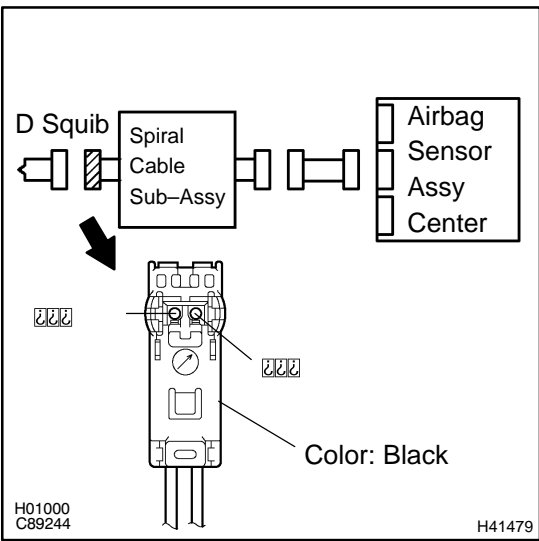
- (a) Turn the ignition switch to LOCK.
- (b) Disconnect the connector of the instrument panel wire.
- (c) Turn the ignition switch to ON.
- (d) For the connector (on the spiral cable sub-assy side) between the horn button assy and the spiral cable sub-assy, measure the voltage between D2+ and body ground.

**OK:**  
**Voltage: Below 1 V**

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