

<b>DTC</b>	<b>B0100/13</b>	<b>SHORT IN D SQUIB CIRCUIT</b>
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### CIRCUIT DESCRIPTION

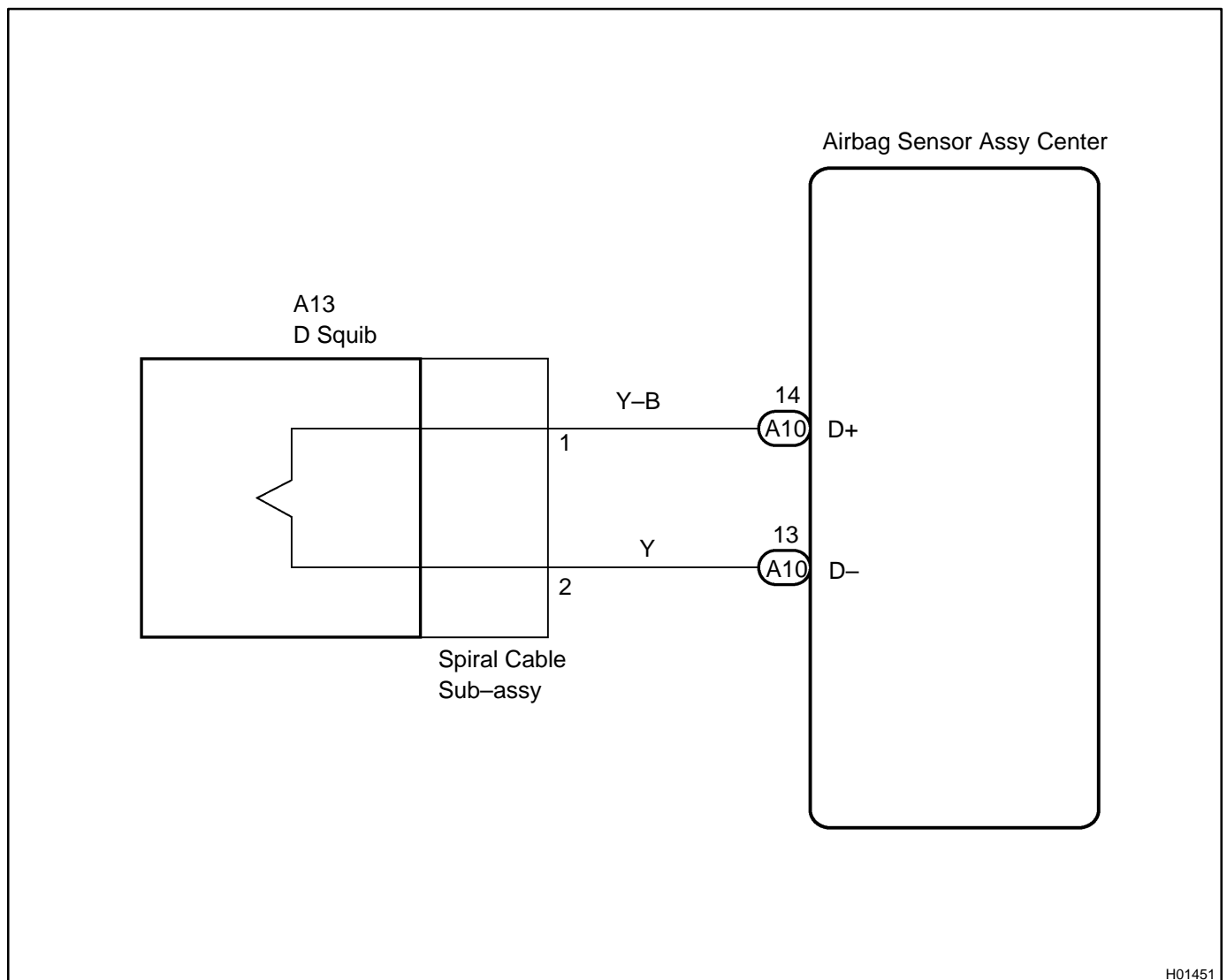
The D squib circuit consists of the airbag sensor assy center, the spiral cable sub-assy and the horn button assy.

This circuit actuates the SRS to deploy when deployment conditions are met.

DTC B0100/13 is recorded when a short circuit is detected in the D squib circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B0100/13	<ul style="list-style-type: none"> <li>• Short circuit between D+ wire harness and D- wire harness of D squib</li> <li>• D squib 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)</li> <li>• Spiral cable sub-assy</li> <li>• Airbag sensor assy center</li> <li>• Instrument panel wire</li> </ul>

### WIRING DIAGRAM



H01451

## INSPECTION PROCEDURE

### 1 CHECK CONNECTOR

- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Disconnect the connectors from the horn button assy.
- Check that the spiral cable sub-assy connectors (on the horn button assy side) are not damaged.

**OK:**

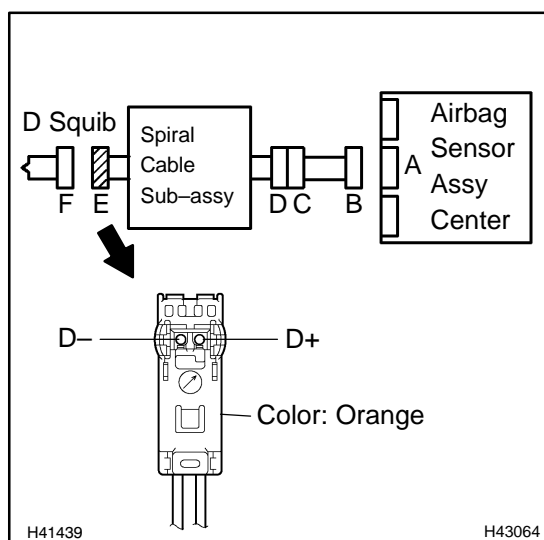
The lock button is not disengaged, or the claw of the lock is not deformed or damaged.

**NG**

**REPLACE SPIRAL CABLE SUB-ASSY**

**OK**

### 2 CHECK D SQUIB CIRCUIT(AIRBAG SENSOR ASSY CENTER - HORN BUTTON ASSY)



- Disconnect the connector from the airbag sensor assy center.
- Release the activation prevention mechanism built into connector "B" (See page 05-456).
- Measure the resistance according to the value(s) in the table below.

**Standard:**

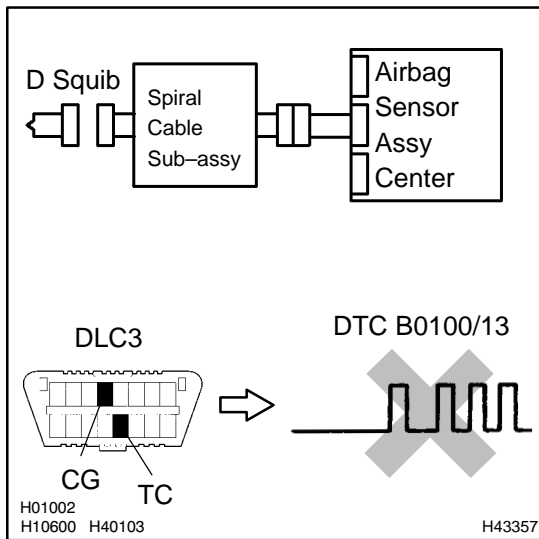
Tester connection (Connector "E")	Condition	Specified condition
D+ - D-	Always	1 MΩ or Higher

**NG**

**Go to step 5**

**OK**

### 3 CHECK AIR BAG SENSOR ASSY CENTER



- Connect the connector to the airbag sensor assy center.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Clear the stored DTCs in the memory (See page [05-453](#)).
- Turn the ignition switch to the LOCK position.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Check the DTCs (See page [05-453](#)).

**OK:**

**DTC B0100/13 is not output.**

**HINT:**

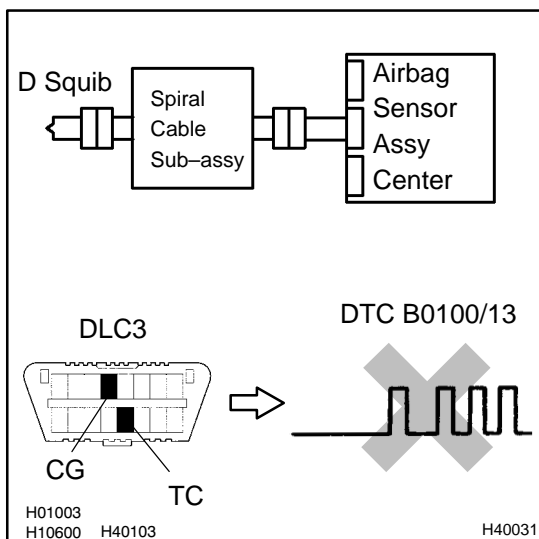
Codes other than code B0100/13 may be output at this time, but they are not related to this check.

**NG**

**REPLACE AIR BAG SENSOR ASSY CENTER**

**OK**

### 4 CHECK HORN BUTTON ASSY(D SQUIB)



- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Connect the connectors to the horn button assy.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Clear the stored DTCs in the memory (See page [05-453](#)).
- Turn the ignition switch to the LOCK position.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Check the DTCs (See page [05-453](#)).

**OK:**

**DTC B0100/13 is not output.**

**HINT:**

Codes other than code B0100/13 may be output at this time, but they are not related to this check.

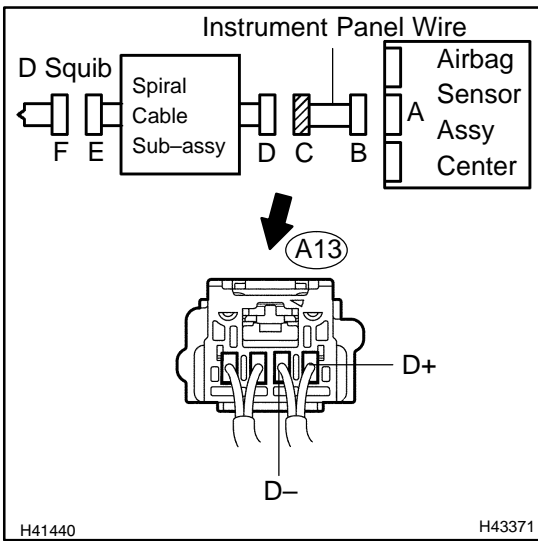
**NG**

**REPLACE HORN BUTTON ASSY**

**OK**

### USE SIMULATION METHOD TO CHECK

**5 CHECK INSTRUMENT PANEL WIRE**



(a) Disconnect the instrument panel wire connector from the spiral cable sub-assy.

HINT:

The activation prevention mechanism of connector "B" has already been released.

(b) Measure the resistance according to the value(s) in the table below.

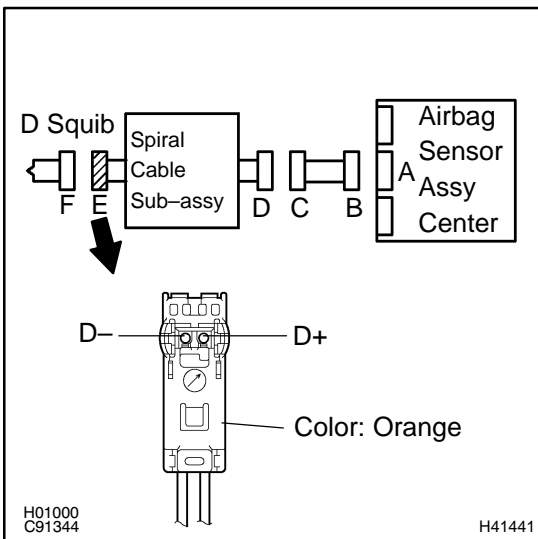
**Standard:**

Tester connection (Connector "C")	Condition	Specified condition
A13-1 (D+) - A13-2 (D-)	Always	1 MΩ or Higher

**NG** REPAIR OR REPLACE INSTRUMENT PANEL WIRE

**OK**

**6 CHECK SPIRAL CABLE SUB-ASSY**



(a) Release the activation prevention mechanism built into connector "D" (See page 05-456).

(b) Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester connection (Connector "E")	Condition	Specified condition
D+ - D-	Always	1 MΩ or Higher

**NG** REPLACE SPIRAL CABLE SUB-ASSY

**OK**

**USE SIMULATION METHOD TO CHECK**