

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

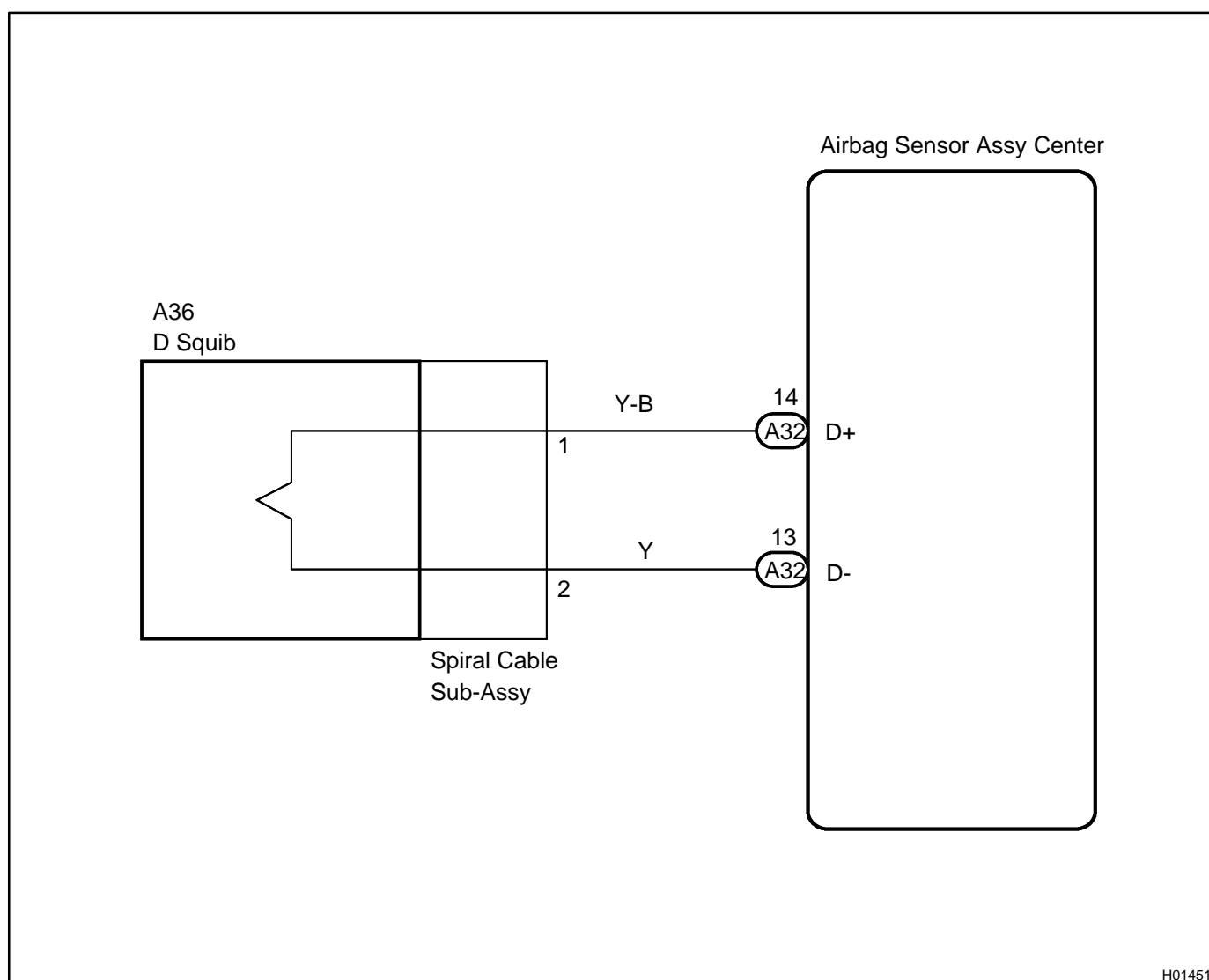
The D squib circuit consists of the airbag sensor assy center, the spiral cable sub-assy and the horn button assy.

It causes the SRS to deploy when the SRS deployment conditions are satisfied.

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

DTC No.	DTC Detecting Condition	Trouble Area
B0100/13	<ul style="list-style-type: none"> <li>• Short in D squib circuit</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

- (a) Make sure that the connector is not damaged.

**OK:**

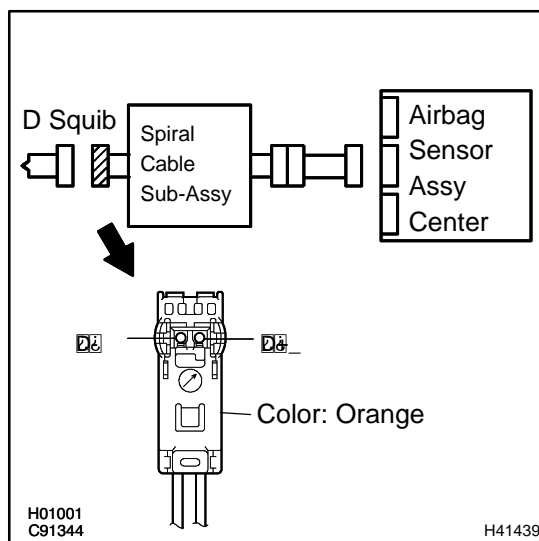
The lock button is not disengaged, or the claw of the lock is not deformed or damaged.

**NG**

**REPLACE SPIRAL CABLE SUB-ASSY**

**OK**

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



- (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) Release the airbag activation prevention mechanism built in the connector on the airbag sensor assy center side between the airbag sensor assy center and the spiral cable sub-assy (See page 05-614 ).
- (d) Measure the resistance between the D+ and D- of the connector on the horn button assy side between the airbag sensor assy center and the horn button assy.

**OK:**

**Resistance: 1 MΩ or Higher**

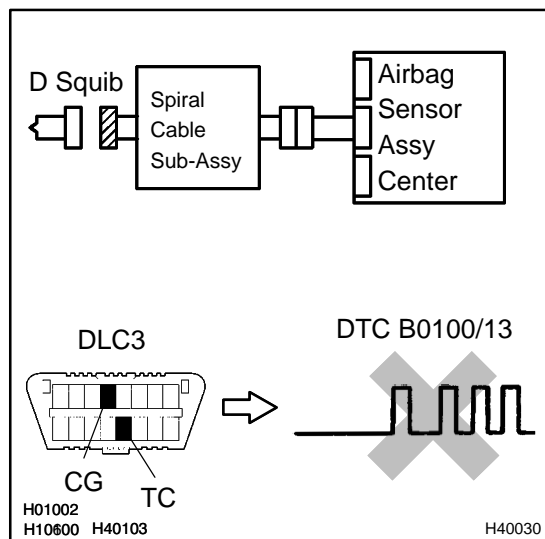
**NG**

**Go to step 5**

**OK**

### 3 CHECK AIR BAG SENSOR ASSY CENTER

SST 09843-18040



- Connect the connector to the airbag sensor assy center.
- Connect the negative (-) terminal cable to the battery, and wait at least for 2 seconds.
- Turn the ignition switch to ON, and wait at least for 10 seconds.
- Clear the DTC stored in memory (See page 05-614 ).
- Turn the ignition switch to LOCK, and wait at least for 10 seconds.
- Turn the ignition switch to ON, and wait at least for 10 seconds.
- Check the DTC (See page 05-614 ).

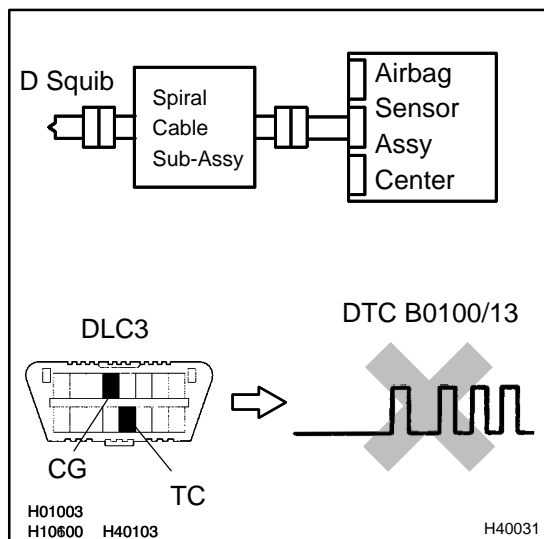
**OK:****DTC B0100/13 is not output.****HINT:**

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

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

## 4 CHECK D SQUIB

SST 09843-18040



- Turn the ignition switch to LOCK.
- Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- Connect the horn button assy connectors.
- Connect the negative (-) terminal cable to the battery, and wait at least for 2 seconds.
- Turn the ignition switch to ON, and wait at least for 10 seconds.
- Clear the DTC stored in memory (See page 05-614).
- Turn the ignition switch to LOCK, and wait at least for 10 seconds.
- Turn the ignition switch to ON, and wait at least for 10 seconds.
- Check the DTC (See page 05-614).

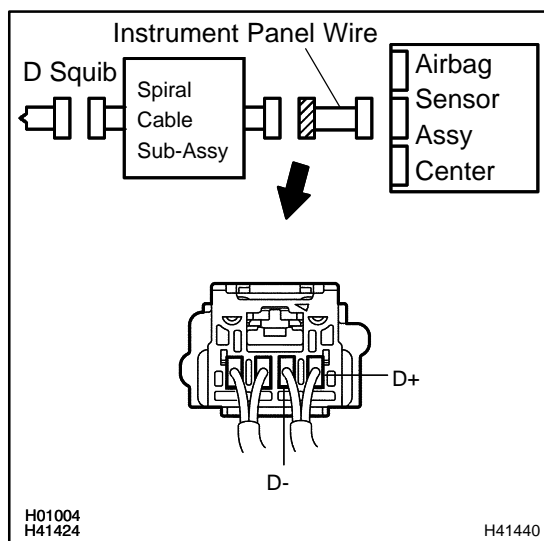
**OK:****DTC B0100/13 is not output.****HINT:**

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

**NG****REPLACE HORN BUTTON ASSY****OK**

## USE SIMULATION METHOD TO CHECK

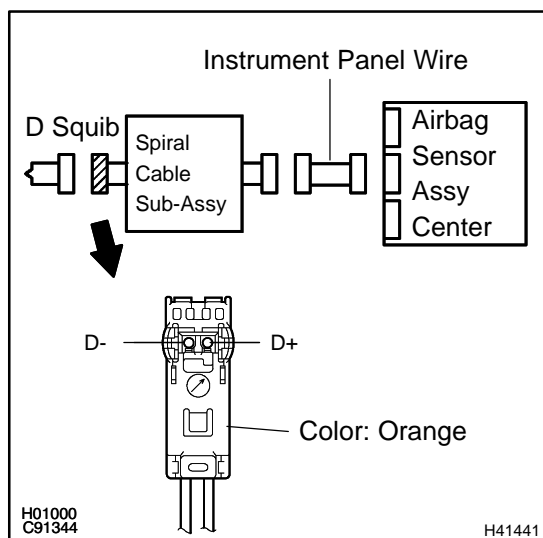
## 5 CHECK INSTRUMENT PANEL WIRE



- Disconnect the connector of the instrument panel wire.
- Release the airbag activation prevention mechanism built in the connector of the instrument panel wire on the airbag sensor assy center side (See page 05-614).
- Measure the resistance between D+ and D- of the instrument panel wire connector on the spiral cable sub-assy side.

**OK:****Resistance: 1 MΩ or Higher****NG****REPAIR OR REPLACE INSTRUMENT PANEL WIRE****OK**

## 6 CHECK SPIRAL CABLE SUB-ASSY



- (a) Release the airbag activation prevention mechanism built in the spiral cable sub-assy connector on the airbag sensor assy center side (See page [05-614](#)).
- (b) Measure the resistance between D+ and D- of the orange spiral cable sub-assy connector on the horn button assy side.

**OK:**

**Resistance: 1 MΩ or Higher**

**NG**

**REPLACE SPIRAL CABLE SUB-ASSY**

**OK**

**USE SIMULATION METHOD TO CHECK**