

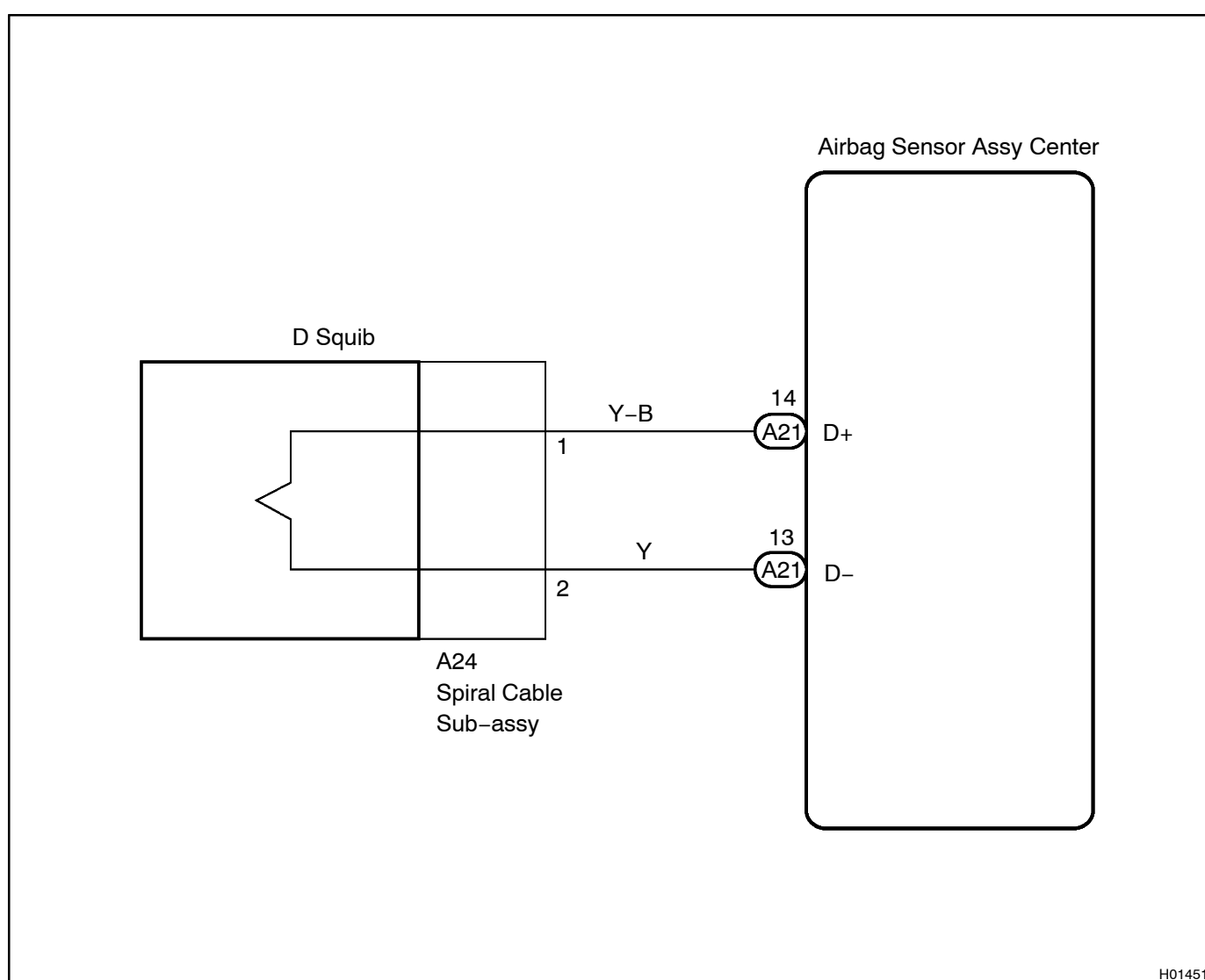
**DTC****B0100/13****SHORT IN D SQUIB CIRCUIT****CIRCUIT DESCRIPTION**

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

### CAUTION:

Be sure to perform the following procedures before troubleshooting to avoid unexpected airbag deployment.

- 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 airbag sensor Assy center.
- Disconnect the connector from the horn button Assy.
- Disconnect the connector from the instrument panel passenger airbag Assy.
- Disconnect the connector from the front seat outer belt Assy LH.
- Disconnect the connector from the front seat outer belt Assy RH.
- Disconnect the connector from the front seat airbag Assy LH.
- Disconnect the connector from the front seat airbag Assy RH.
- Disconnect the connector from the curtain shield airbag Assy LH.
- Disconnect the connector from the curtain shield airbag Assy RH.

### 1 CHECK CONNECTOR

- Check that the spiral cable sub-assy connectors (on the horn button Assy side) are not damaged.

**OK:**

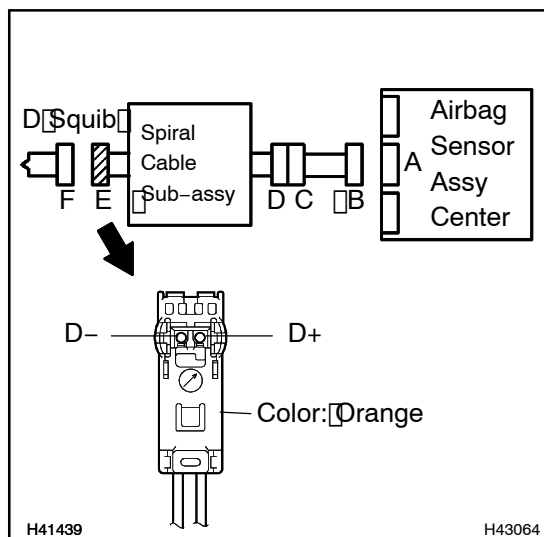
The lock button is not disengaged, or the claw of the lock is not deformed or damaged.

**NG**

**REPLACE SPIRAL CABLE SUB-ASSY  
(SEE PAGE 60-24)**

**OK**

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



- Release the activation prevention mechanism built into connector "B" (see page 05-972).
- Measure the resistance according to the value(s) in the table below.

**Standard:**

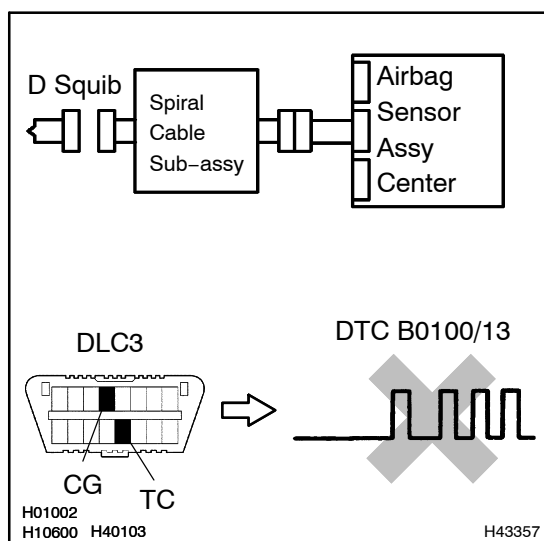
Tester connection (Connector "E")	Condition	Specified condition
D+ - D-	Always	1 MΩ or Higher

**NG**

**Go to step 5**

**OK**

### 3 CHECK AIR BAG SENSOR ASSY CENTER



- Connect the connectors 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 DTCs stored in memory (see Pub. No. RM864E, page 05-401).
- 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 Pub. No. RM864E, page 05-401).

**OK:**

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

**HINT:**

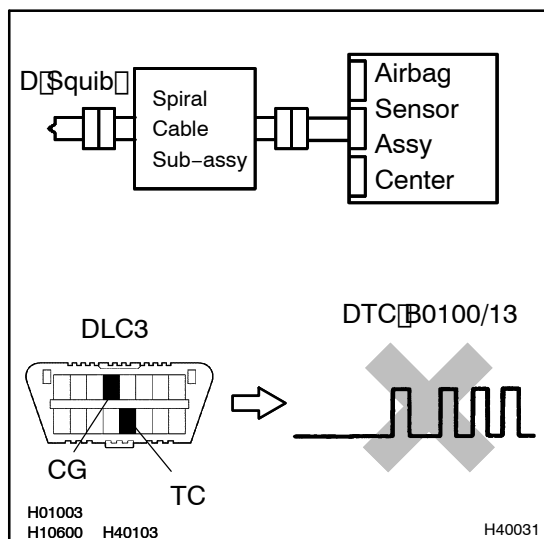
Codes other than code B0100/13 may be output at this time, but they are not related to this check.

**NG**

**REPLACE AIR BAG SENSOR ASSY CENTER  
(SEE PUB. NO. RM864E, PAGE 60-50)**

**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 DTCs stored in memory (see Pub. No. RM864E, page 05-401).
- 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 Pub. No. RM864E, page 05-401).

**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  
(SEE PAGE 60-15)**

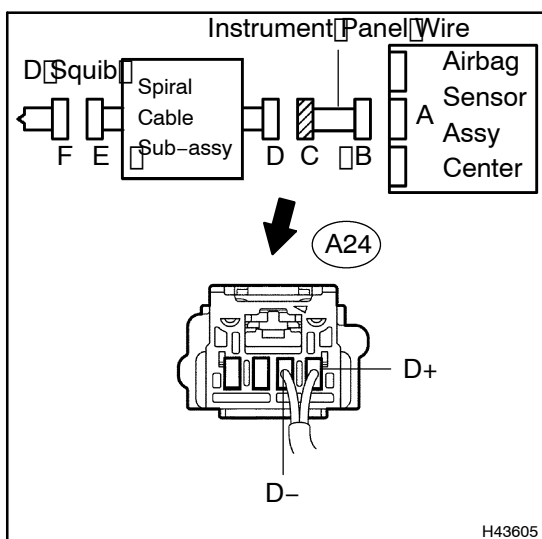
**OK**

## USE SIMULATION METHOD TO CHECK

**HINT:**

w/o Side Airbag:

- Perform the simulation method by selecting the check mode with the Intelligent Tester II (see page 05-980).
- After selecting the check mode, perform the simulation method by wiggling each connector of the air-bag system or driving the vehicle on a city or rough road (see page 05-980).

**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.

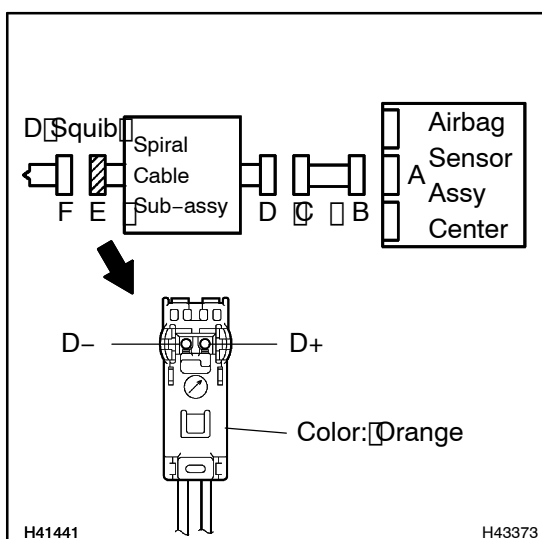
**Standard:**

Tester Connection (Connector "C")	Condition	Specified Condition
A24-1 (D+) - A24-2 (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 05-972).

(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 (SEE PAGE 60-24)**

OK

**USE SIMULATION METHOD TO CHECK**

HINT:

w/o Side Airbag:

- Perform the simulation method by selecting the check mode with the intelligent tester II (see page 05-980).
- After selecting the check mode, perform the simulation method by wiggling each connector of the airbag system or driving the vehicle on a city or rough road (see page 05-980).