

DTC	B0100/13	SHORT IN D SQUIB CIRCUIT
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CIRCUIT DESCRIPTION

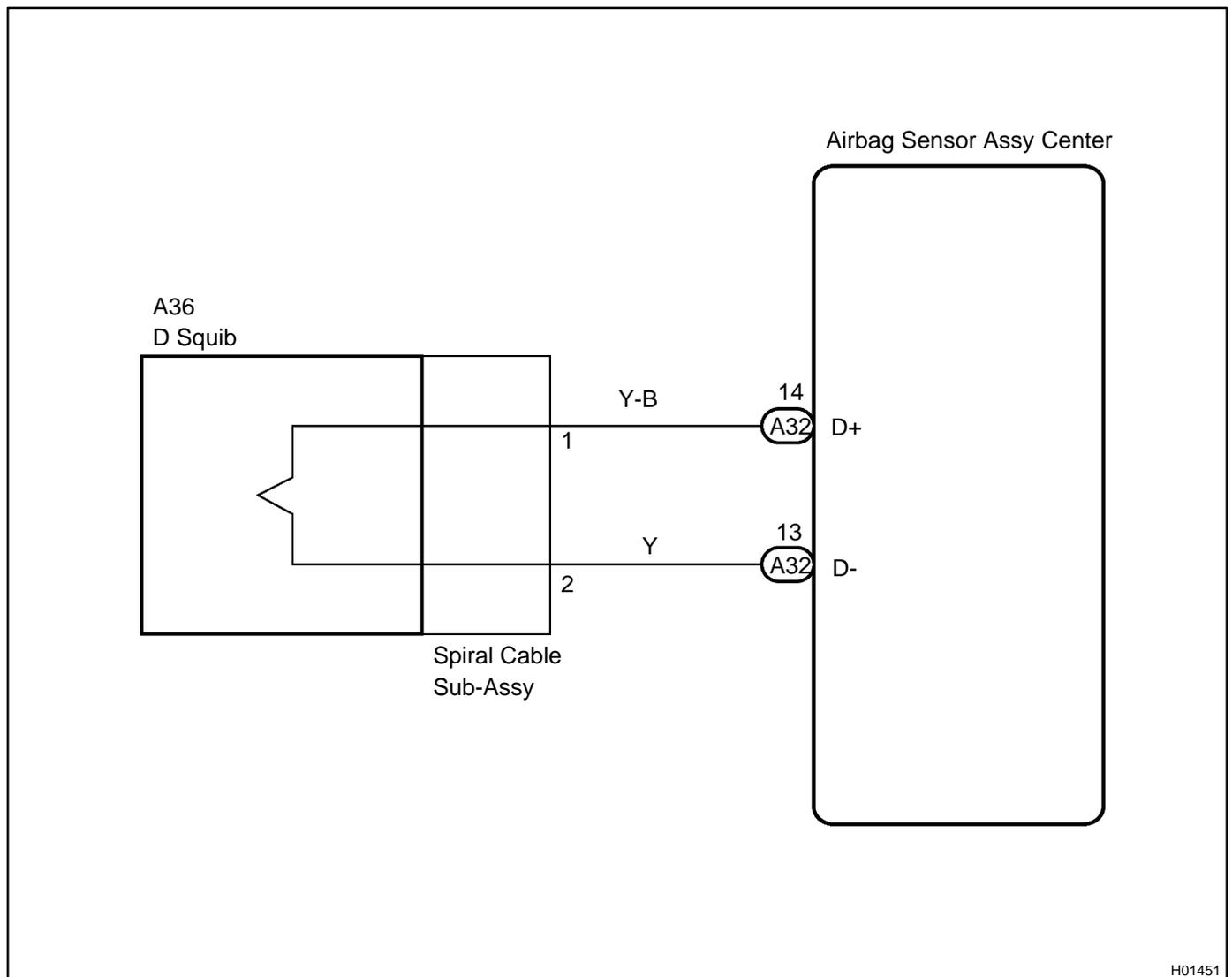
The D squib circuit consists of the airbag sensor assy center, the spiral cable sub-assy and the horn button assy.

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"> • Short in D squib circuit • D squib malfunction • Spiral cable sub-assy malfunction • Airbag sensor assy center malfunction 	<ul style="list-style-type: none"> • Horn button assy (D squib) • Spiral cable sub-assy • Airbag sensor assy center • Instrument panel wire

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK CONNECTOR

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

OK:

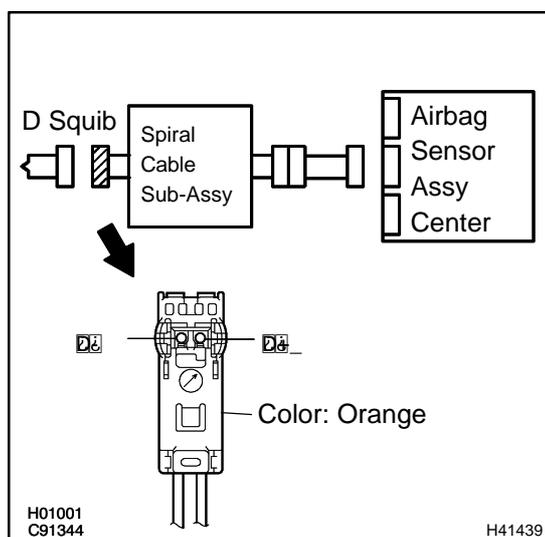
The lock button is not disengaged, or the claw of the lock is not deformed or damaged.

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

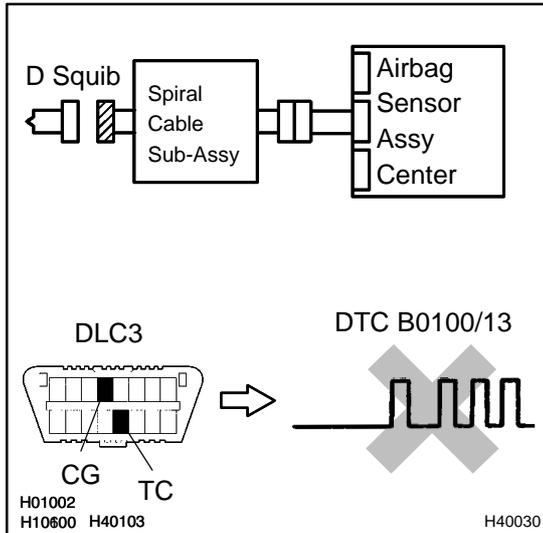
NG

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).

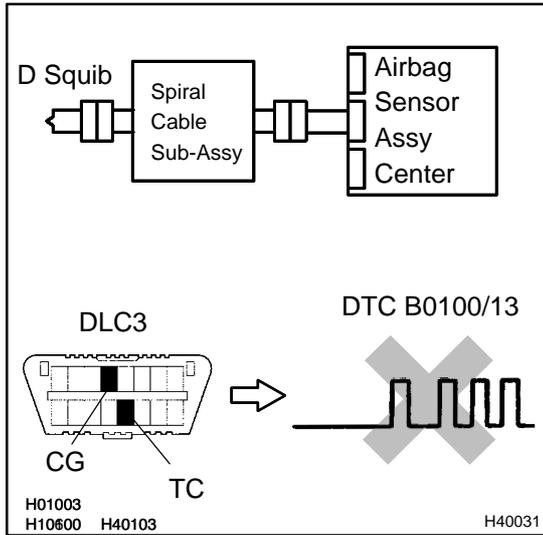
OK:**DTC B0100/13 is not output.****HINT:**

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



- (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 B0100/13 is not output.

HINT:

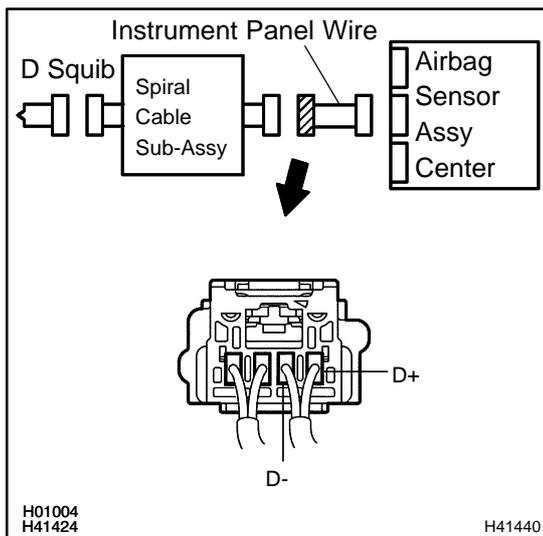
Codes other than code B0100/13 may be output at this time, but they are not relevant to this check.

NG → **REPLACE HORN BUTTON ASSY**

OK

USE SIMULATION METHOD TO CHECK

5 CHECK INSTRUMENT PANEL WIRE



- (a) Disconnect the connector of the instrument panel wire.
- (b) 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).
- (c) Measure the resistance between D+ and D- of the instrument panel wire connector on the spiral cable sub-assy side.

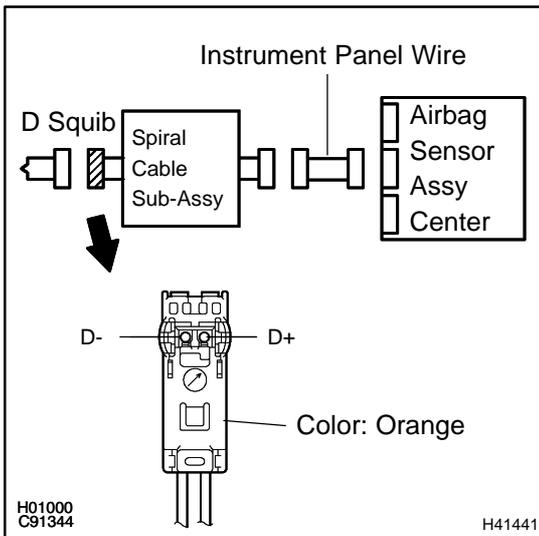
OK:

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