

DTCB0102/11SHORT IN D SQUIB CIRCUIT (TO GROUND)

CIRCUIT DESCRIPTION

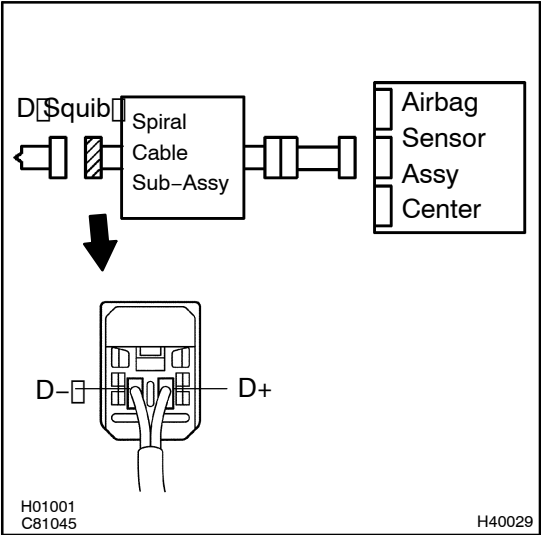
The D squib circuit consists of the airbag sensor assy center, spiral cable sub-assy and horn button assy. It causes the SRS to deploy when the SRS deployment conditions are satisfied. DTC B0102/11 is recorded when a ground short is detected in the D squib circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B0102/11	<ul style="list-style-type: none"><li>• Short circuit in D squib wire harness (to ground)</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

See page 05-416.

1CHECK D SQUIB CIRCUIT



- (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) For the connector (on the spiral cable sub-assy side) between the spiral cable sub-assy and the horn button assy, measure the resistance between D+ and body ground.

OK:  
Resistance: 1 MΩ or Higher

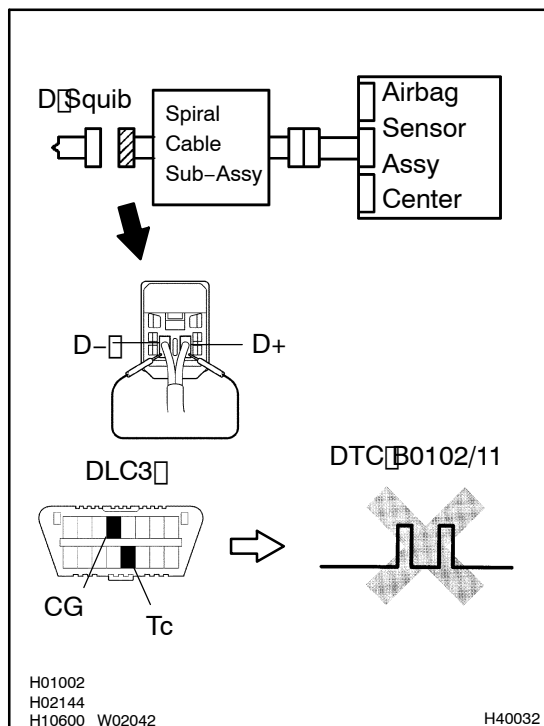
NG

Go to step 4

OK

## 2 CHECK AIR BAG SENSOR ASSY CENTER

SST 09843-18040



- Connect the connector to the airbag sensor assy center.
- Using a service wire, connect D+ and D- of the connector (on the spiral cable sub-assy side) between the spiral cable sub-assy and the horn button assy.
- 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 20 seconds.
- Clear the DTC stored in memory (See page 05-403).
- Turn the ignition switch to LOCK, and wait at least for 20 seconds.
- Turn the ignition switch to ON, and wait at least for 20 seconds.
- Check the DTC (See page 05-403).

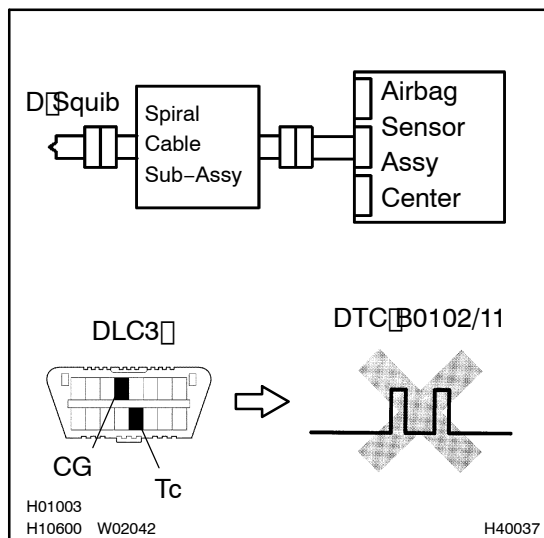
**OK:****DTC B0102/11 is not output.****HINT:**

Codes other than code B0102/11 may be output at this time, but they are not relevant to this check.

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

### 3 CHECK DISQUIB

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 connector.
- 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 20 seconds.
- Clear the DTC stored in memory (See page 05-403).
- Turn the ignition switch to LOCK, and wait at least for 20 seconds.
- Turn the ignition switch to ON, and wait at least for 20 seconds.
- Check the DTC (See page 05-403).

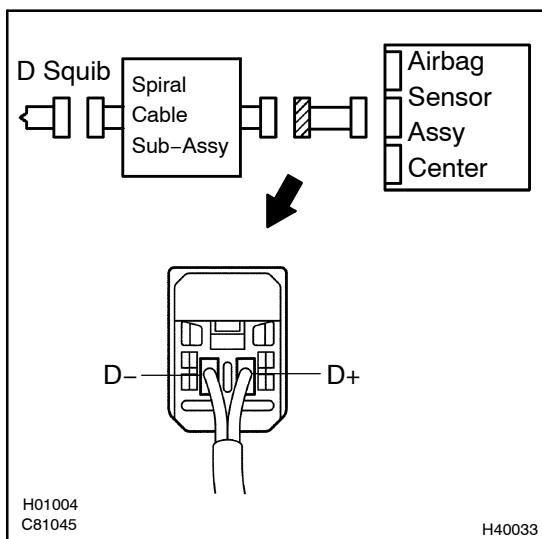
**OK:****DTC B0102/11 is not output.****HINT:**

Codes other than code B0102/11 may be output at this time, but they are not relevant to this check.

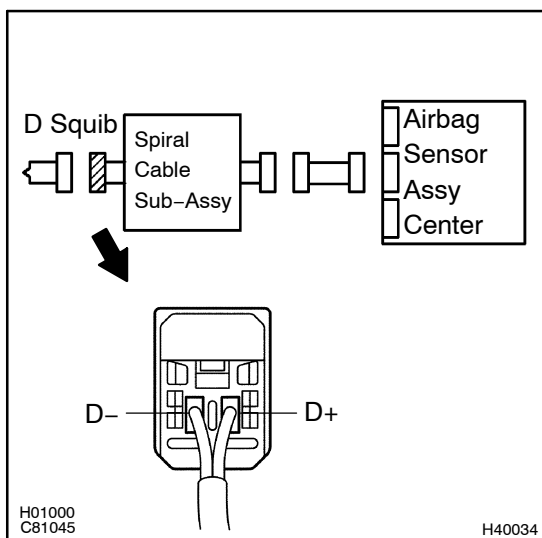
**NG****REPLACE HORN BUTTON ASSY****OK**

### 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**

- (a) Disconnect the connector of the instrument panel wire.
- (b) For the connector (on the spiral cable sub-assy side) between the airbag sensor assy center and the spiral cable sub-assy, measure the resistance between D+ and body ground.

**OK:****Resistance: 1 MΩ or Higher****NG****REPAIR OR REPLACE INSTRUMENT PANEL WIRE****OK****6 CHECK SPIRAL CABLE SUB-ASSY**

- (a) For the connector (on the spiral cable sub-assy side) between the horn button assy and the spiral cable sub-assy, measure the resistance between D+ and body ground.

**OK:****Resistance: 1 MΩ or Higher****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**