

DTC	B0102/11	SHORT IN D SQUIB CIRCUIT (TO GROUND)
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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 B0102/11 is recorded when a ground short is detected in the D squib circuit.

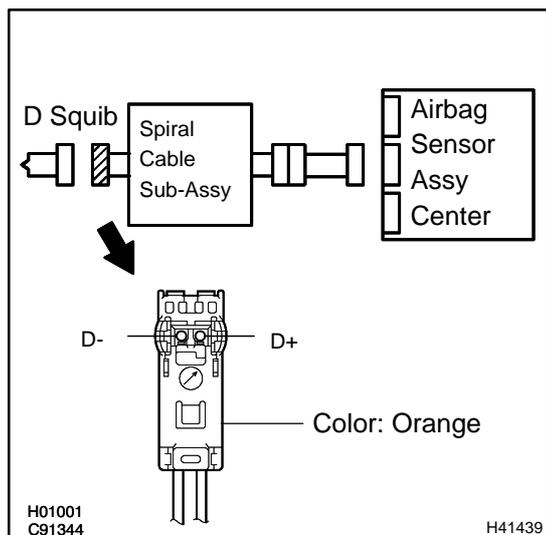
DTC No.	DTC Detecting Condition	Trouble Area
B0102/11	<ul style="list-style-type: none"> • Short in D squib circuit (to ground) • D squib malfunction • Spiral cable sub-assy malfunction • Airbag sensor assy center malfunction 	<ul style="list-style-type: none"> • Horn button assy (D squib) • Spiral cable sub-assy • Airbag sensor assy center • Instrument panel wire

WIRING DIAGRAM

See page 05-629 .

INSPECTION PROCEDURE

1	CHECK D SQUIB CIRCUIT(AIRBAG SENSOR ASSY CENTER - HORN BUTTON ASSY)
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- (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) Measure the resistance between the body ground and D+ of the connector on the horn button assy side between the airbag sensor assy center and the horn button assy.

OK:

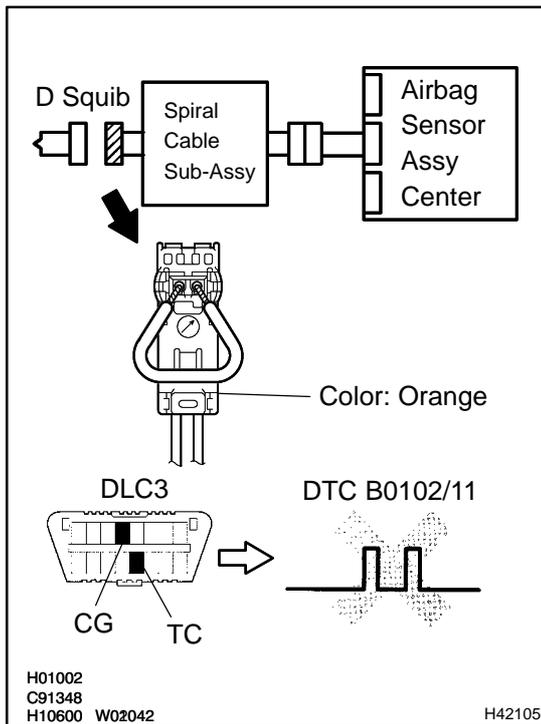
Resistance: 1 MΩ or Higher

NG	Go to step 5
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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 orange connector on the horn button assy side between the horn button assy and 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).

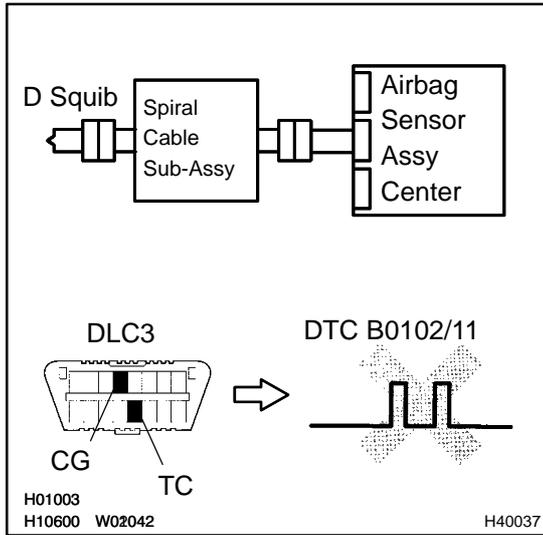
OK:**DTC B0102/11 is not output.****HINT:**

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 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 B0102/11 is not output.**

HINT:

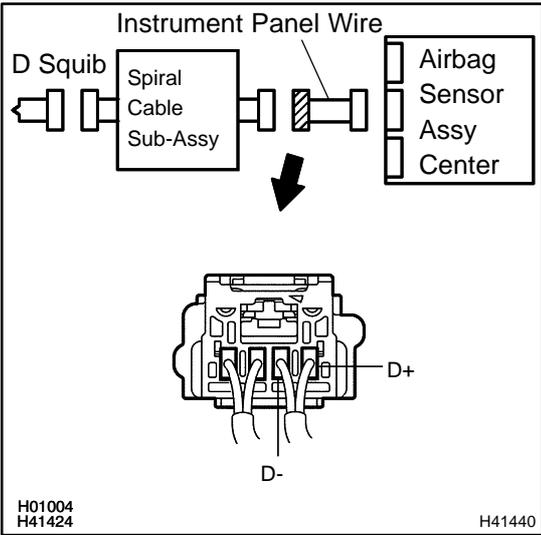
Codes other than code B0102/11 may be output at this time, but they are not relevant to this check.

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

4 USE SIMULATION METHOD TO CHECK

NG**Go to step 1****OK****REPLACE ALL SRS COMPONENTS INCLUDING WIRE HARNESS**

5 CHECK INSTRUMENT PANEL WIRE

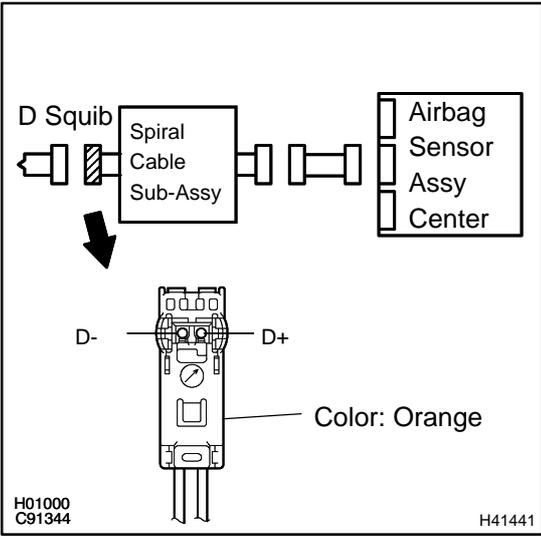


- (a) Disconnect the spiral cable sub-assy connector from the instrument panel wire.
 - (b) Measure the resistance between the body ground and D+ of the instrument panel wire connector on the spiral cable sub-assy side.
- OK:**
Resistance: 1 MΩ or Higher

NG → **REPAIR OR REPLACE INSTRUMENT PANEL WIRE**

OK

6 CHECK SPIRAL CABLE SUB-ASSY



- (a) Measure the resistance between the body ground 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

7 USE SIMULATION METHOD TO CHECK

NG → **Go to step 1**

OK

REPLACE ALL SRS COMPONENTS INCLUDING WIRE HARNESS