

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.

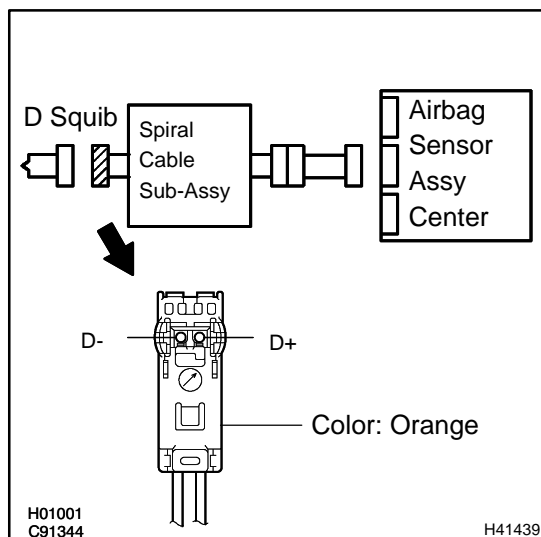
DTC No.	DTC Detecting Condition	Trouble Area
B0102/11	<ul style="list-style-type: none"> • Short in D squib circuit (to ground) • D squib malfunction • Spiral cable sub-assy malfunction • Airbag sensor assy center malfunction 	<ul style="list-style-type: none"> • Horn button assy (D squib) • Spiral cable 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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- Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- Disconnect the connectors between the airbag sensor assy center and the horn button assy.
- 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:

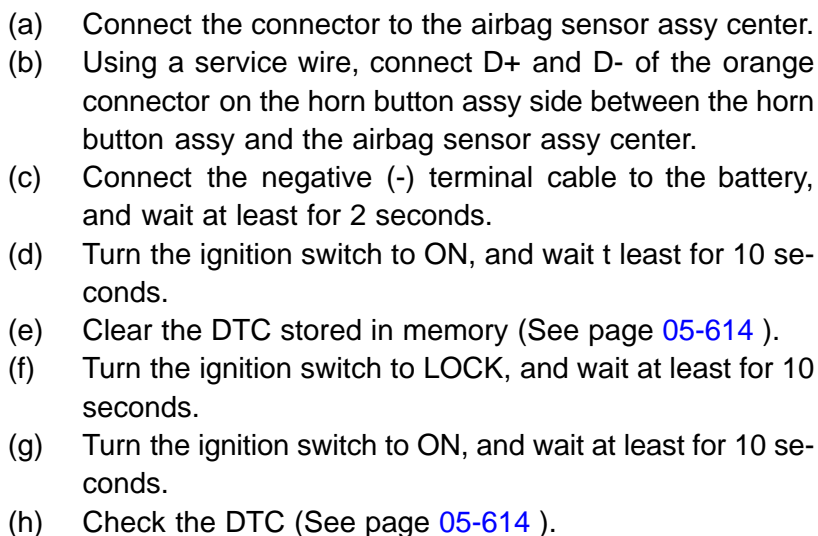
Resistance: 1 MΩ or Higher

NG

Go to step 5

OK

SST 09843-18040



DTC B0102/11 is not output.

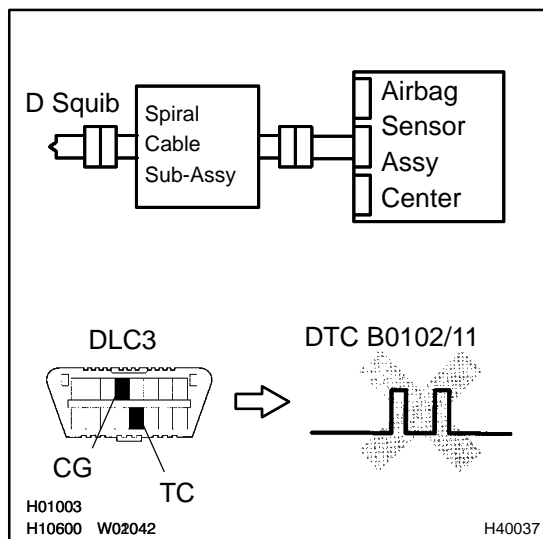
Codes other than code B0102/11 may be output at this time, but they are not relevant to this check.

REPLACE AIR BAG SENSOR ASSY CENTER

2003 4RUNNER REPAIR MANUAL (RM1001U)

3 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).

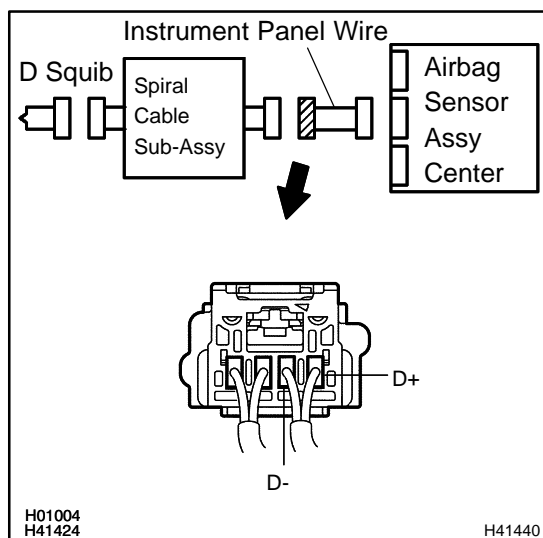
OK:**DTC B0102/11 is not output.****HINT:**

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

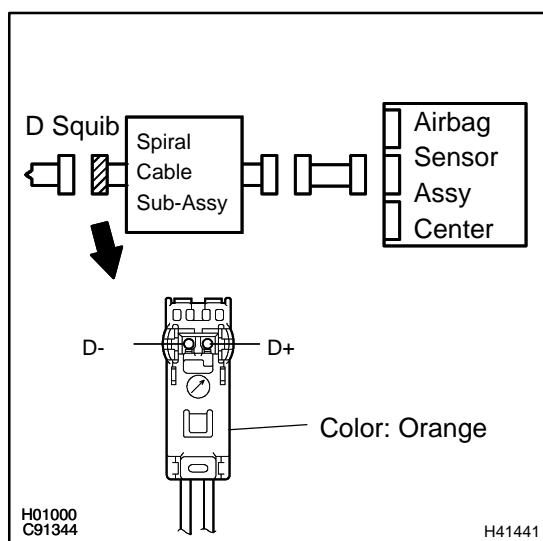
NG**REPLACE HORN BUTTON ASSY****OK**

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**