

DTCB0103/12SHORT IN D SQUIB CIRCUIT (TO B+)

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 B0103/12 is recorded when a B+ short is detected in the D squib circuit.

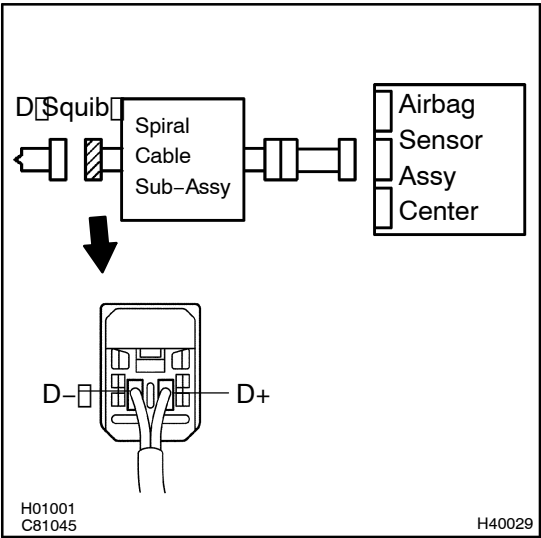
DTC No.	DTC Detecting Condition	Trouble Area
B0103/12	<ul style="list-style-type: none">• Short circuit in D squib wire harness (to B+)• D squib malfunction• Spiral cable sub-assy malfunction• Airbag sensor assy center malfunction	<ul style="list-style-type: none">• Horn button assy (D squib)• Spiral cable sub-assy• Airbag sensor assy center• Instrument panel wire

WIRING DIAGRAM

See page 05-416.

CIRCUIT INSPECTION

1CHECK D SQUIB CIRCUIT



- (a) Disconnect 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) Connect the negative (-) terminal cable to the battery, and turn the ignition switch to ON.
- (d) For the connector (on the spiral cable sub-assy side) between the spiral cable sub-assy and the horn button assy, measure the voltage between D+ and body ground.

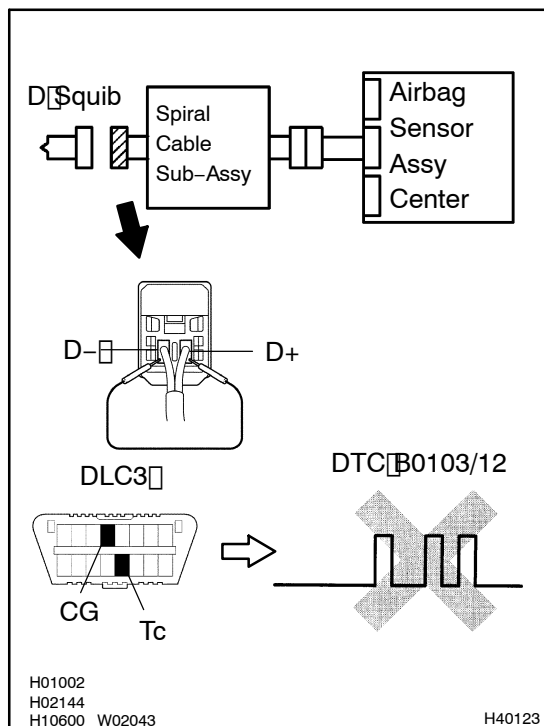
OK:
Voltage: Below 1 V

NGGo to step 5

OK

2 CHECK AIR BAG SENSOR ASSY CENTER

SST 09843-18040



- Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- 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).

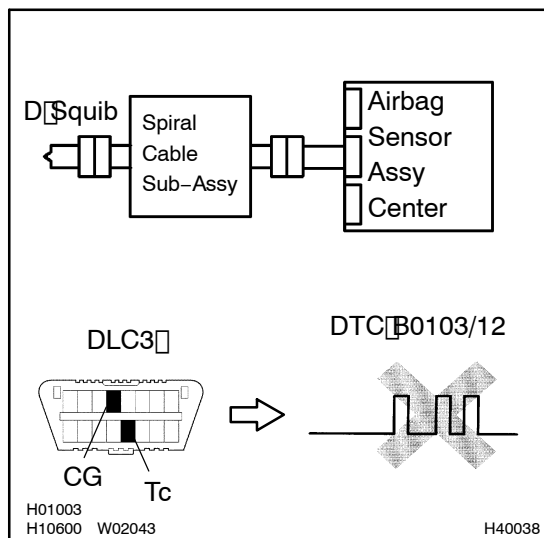
OK:**DTC B0103/12 is not output.****HINT:**

Codes other than code B0103/12 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

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- 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).

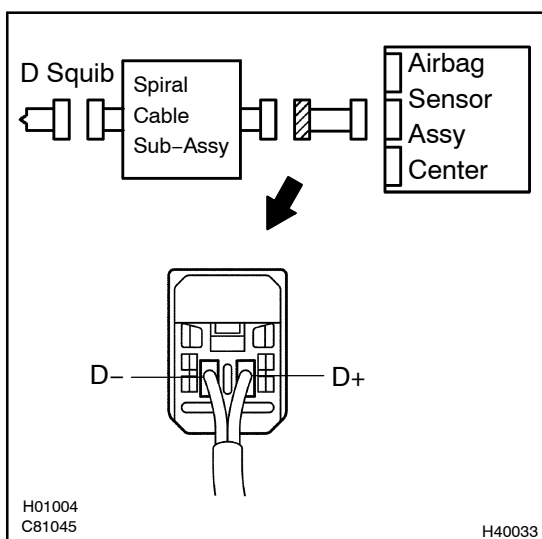
OK:**DTC B0103/12 is not output.****HINT:**

Codes other than code B0103/12 may be output at this time, but they are not relevant to this check.

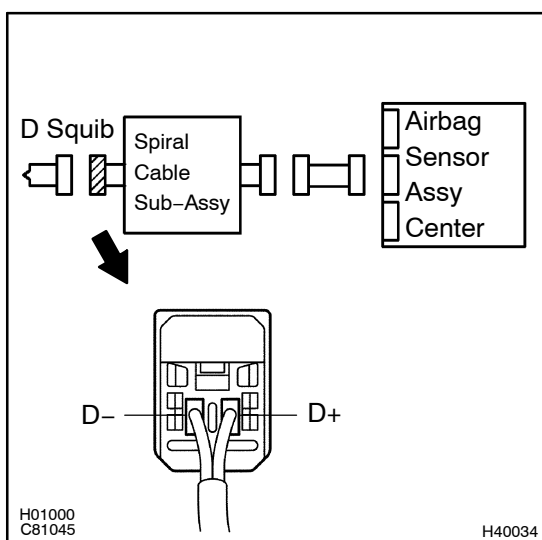
NG**REPLACE HORN BUTTON ASSY****OK**

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) Turn the ignition switch to LOCK.
- (b) Disconnect the connector of the instrument panel wire.
- (c) For the connector (on the spiral cable sub-assy side) between the airbag sensor assy center and the spiral cable sub-assy, measure the voltage between D+ and body ground.

OK:**Voltage: Below 1 V****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 voltage between D+ and body ground.

OK:**Voltage: Below 1 V****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**