

<b>DTC</b>	<b>B0103/12</b>	<b>SHORT IN D SQUIB CIRCUIT (TO B+)</b>
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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.

The circuit instructs the SRS to deploy when deployment conditions are met.

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

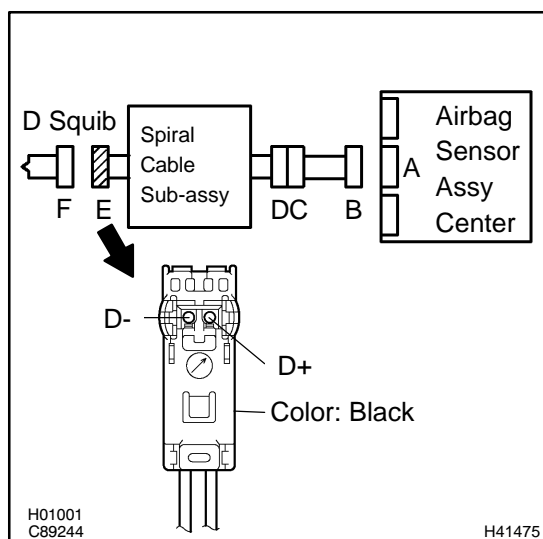
DTC No.	DTC Detecting Condition	Trouble Area
B0103/12	<ul style="list-style-type: none"> <li>• Short circuit in D squib wire harness (to B+)</li> <li>• D squib malfunction</li> <li>• Spiral cable sub-assy malfunction</li> <li>• Airbag sensor assy center malfunction</li> </ul>	<ul style="list-style-type: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

## WIRING DIAGRAM

see page 05-1233 .

## INSPECTION PROCEDURE

<b>1</b>	<b>CHECK D SQUIB CIRCUIT(AIRBAG SENSOR ASSY CENTER - HORN BUTTON ASSY)</b>
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- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Disconnect the connectors from the airbag sensor assy center and the horn button assy.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the ignition switch to the ON position.
- Measure the voltage according to the value(s) in the table below.

### Standard:

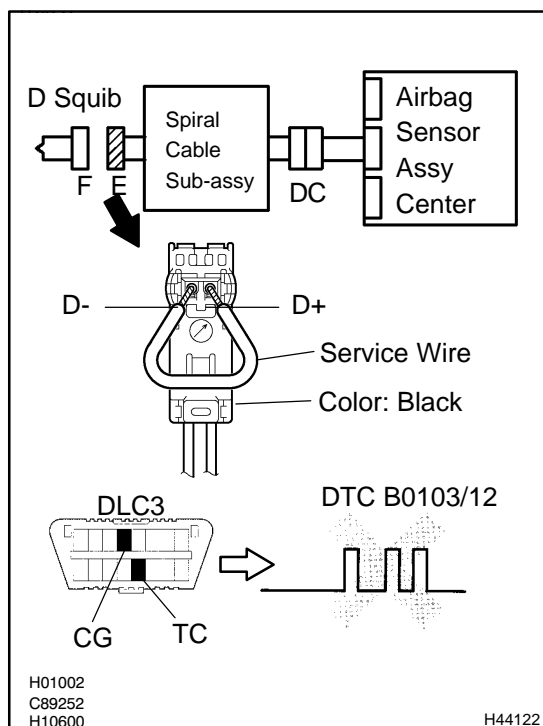
Tester connection	Condition	Specified condition
D+ - Body ground	Ignition switch ON	Below 1 V
D- - Body ground	Ignition switch ON	Below 1 V

**NG**

**Go to step 4**

**OK**

## 2 CHECK AIR BAG SENSOR ASSY CENTER



- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Connect the connector to the airbag sensor assy center.
- Using a service wire, connect D+ and D- of connector "E".

### NOTICE:

- Twist the end of the service wire in order to insert it into the connector.
  - Do not forcibly insert the twisted service wire into the terminals of the connector when connecting.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
  - Turn the ignition switch to the ON position, and wait for at least 60 seconds.
  - Clear the DTCs stored in memory (see page 05-1215).
  - Turn the ignition switch to the LOCK position.
  - Turn the ignition switch to the ON position, and wait for at least 60 seconds.
  - Check the DTCs (see page 05-1215).

### OK:

**DTC B0103/12 is not output.**

### HINT:

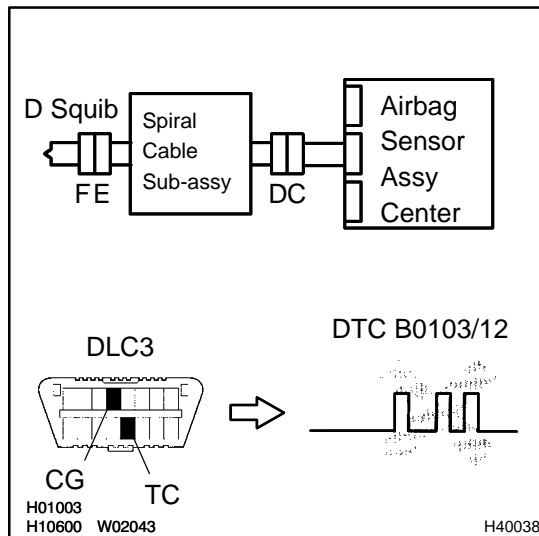
Codes other than code B0103/12 may be output at this time, but they are not related to this check.

**NG**

**REPLACE AIR BAG SENSOR ASSY CENTER  
(SEE PAGE 60-53)**

**OK**

### 3 CHECK HORN BUTTON ASSY(D SQUIB)



- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Disconnect the service wire from connector "E".
- Connect the connectors to the horn button assy.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Clear the DTCs stored in memory (see page 05-1215 ).
- Turn the ignition switch to the LOCK position.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Check the DTCs (see page 05-1215 ).

**OK:**

**DTC B0103/12 is not output.**

**HINT:**

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

**NG**

**REPLACE HORN BUTTON ASSY  
(SEE PAGE 60-17 )**

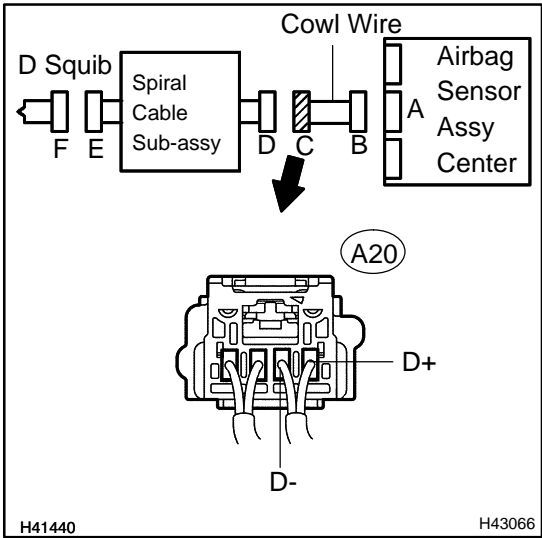
**OK**

### USE SIMULATION METHOD TO CHECK

**HINT:**

- Before performing the simulation method, check that the airbag sensor assy center is in check mode (see page 05-1218 ).
- Perform the simulation method by selecting the check mode with the hand-held tester (see page 05-1218 ).
- After selecting the check mode, perform the simulation method by wiggling each connector of the air-bag system or driving the vehicle on a city or rough road (see page 05-1218 ).

4 CHECK COWL WIRE



- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Disconnect the cowl wire connector from the spiral cable sub-assy .
- (d) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (e) Turn the ignition switch to the ON position.
- (f) Measure the voltage according to the value(s) in the table below.

**Standard:**

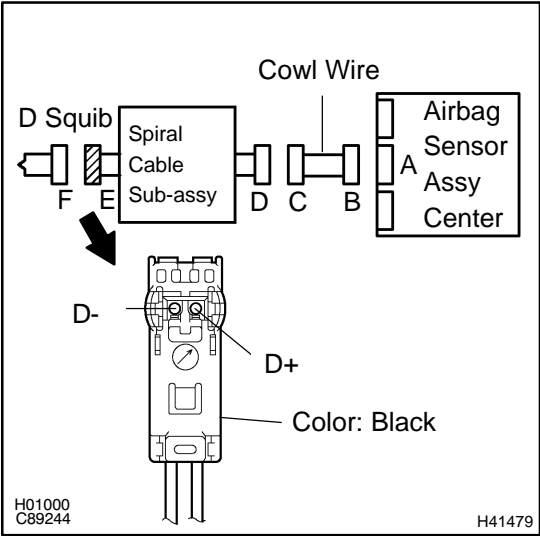
Tester connection	Condition	Specified condition
A20-1 (D+) - Body ground	Ignition switch ON	Below 1 V
A20-2 (D-) - Body ground	Ignition switch ON	Below 1 V

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REPAIR OR REPLACE COWL WIRE

OK

5 CHECK SPIRAL CABLE SUB-ASSY



(a) Measure the voltage according to the value(s) in the table below when the ignition switch is in the ON position.

Standard:

Tester connection	Condition	Specified condition
D+ - Body ground	Ignition switch ON	Below 1 V
D- - Body ground	Ignition switch ON	Below 1 V

NG REPLACE SPIRAL CABLE SUB-ASSY (SEE PAGE 60-26 )

OK

USE SIMULATION METHOD TO CHECK

HINT:

- Before performing the simulation method, check that the airbag sensor assy center is in check mode (see page 05-1218 ).
- Perform the simulation method by selecting the check mode with the hand-held tester (see page 05-1218 ).
- After selecting the check mode, perform the simulation method by wiggling each connector of the air-bag system or driving the vehicle on a city or rough road (see page 05-1218 ).