

DTC	B0103/12	SHORT IN D SQUIB CIRCUIT (TO 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.

This circuit actuates 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>• Instrument panel wire</li></ul>

WIRING DIAGRAM

See page 95-981.

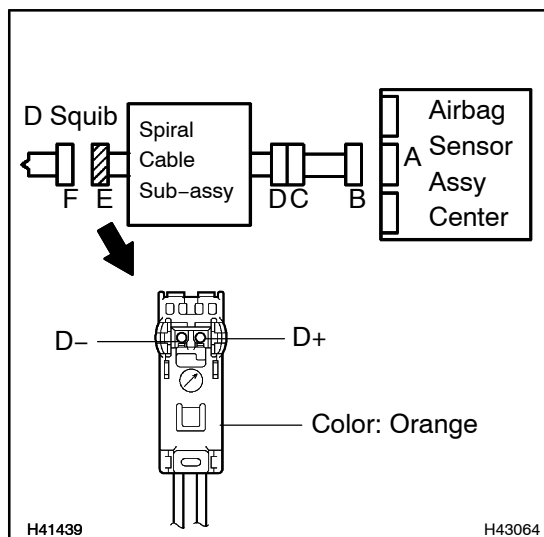
## INSPECTION PROCEDURE

### CAUTION:

**Be sure to perform the following procedures before troubleshooting to avoid unexpected airbag deployment.**

- (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 connectors from the airbag sensor assy center.
- (d) Disconnect the connector from the horn button assy.
- (e) Disconnect the connector from the instrument panel passenger airbag assy.
- (f) Disconnect the connector from the front seat outer belt assy LH.
- (g) Disconnect the connector from the front seat outer belt assy RH.
- (h) Disconnect the connector from the front seat airbag assy LH.
- (i) Disconnect the connector from the front seat airbag assy RH.
- (j) Disconnect the connector from the curtain shield airbag assy LH.
- (k) Disconnect the connector from the curtain shield airbag assy RH.

### 1 CHECK D SQUIB CIRCUIT(AIRBAG SENSOR ASSY CENTER – HORN BUTTON ASSY)



- (a) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
- (b) Turn the ignition switch to the ON position.
- (c) Measure the voltage according to the value(s) in the table below.

#### Standard:

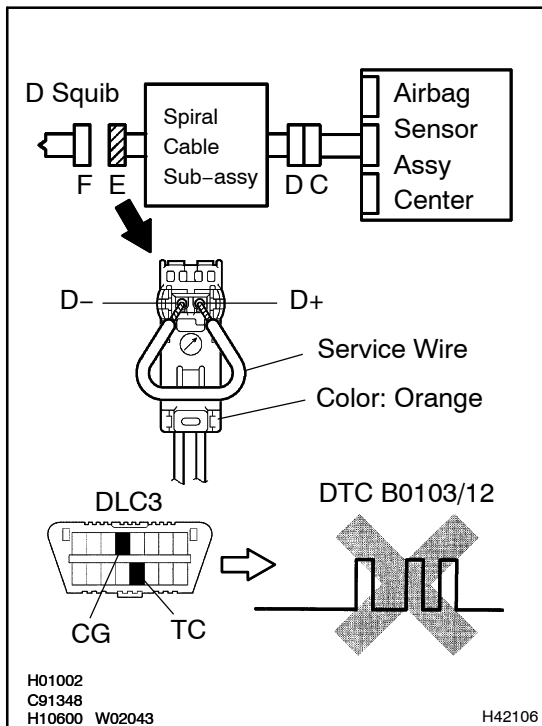
Tester connection (Connector "E")	Condition	Specified condition
D+ – Body ground	Ignition switch ON	Below 1 V
D– – Body ground	Ignition switch ON	Below 1 V

**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 connectors to the airbag sensor assy center.
- Using a service wire, connect terminals 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 Pub. No. RM864E, page 05-401).
  - 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 Pub. No. RM864E, page 05-401).

### OK:

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

### HINT:

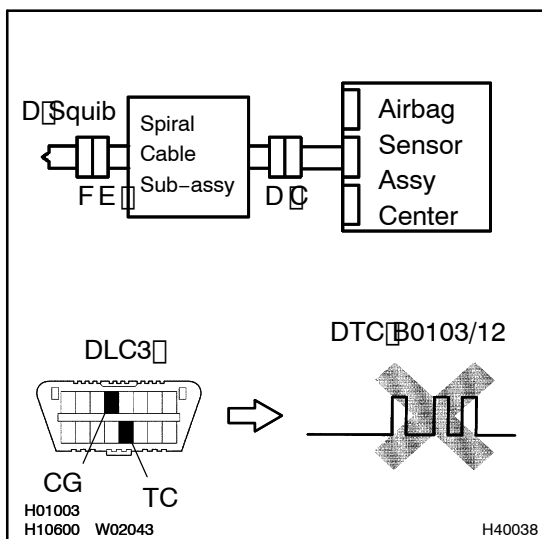
Codes other than code B0103/12 may be output at this time, but they are not related to this check.

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**REPLACE AIR BAG SENSOR ASSY CENTER  
(SEE PUB. NO. RM864E, PAGE 60-50)**

**OK**

### 3 CHECK HORN BUTTON ASSY (DISQUIB)



- 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 the 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 Pub. No. RM864E, page 05-401).
- 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 Pub. No. RM864E, page 05-401).

**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.

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**REPLACE HORN BUTTON ASSY**  
(SEE PAGE 60-15)

**OK**

### USE SIMULATION METHOD TO CHECK

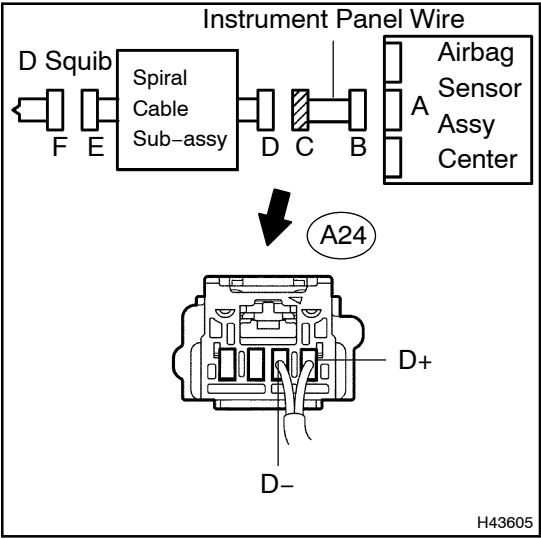
**HINT:**

w/o Side Airbag:

- Perform the simulation method by selecting the check mode with the intelligent tester II (see page 05-980).
- After selecting the check mode, perform the simulation method by wiggling each connector of the airbag system or driving the vehicle on a city or rough road (see page 05-980).

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CHECK INSTRUMENT PANEL 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 instrument panel 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:

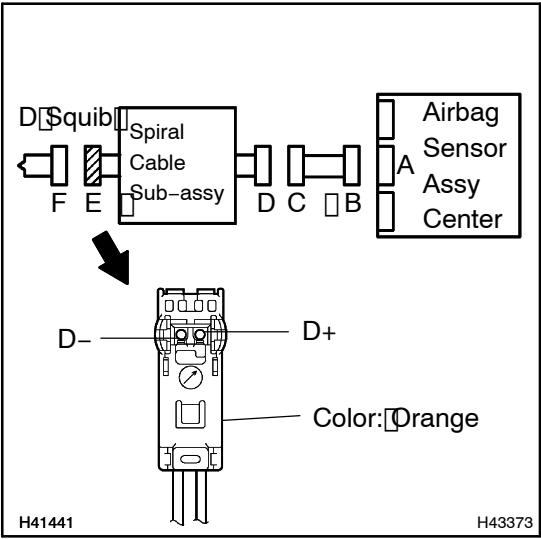
Tester connection (Connector "C")	Condition	Specified condition
A24-1 (D+) - Body ground	Ignition switch ON	Below 1 V
A24-2 (D-) - Body ground	Ignition switch ON	Below 1 V

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REPAIR OR REPLACE INSTRUMENT PANEL WIRE

OK

5 CHECK SPIRAL CABLE SUB-ASSY



(a) Measure the voltage according to the value(s) in the table below.

Standard:

Tester Connection (Connector "E")	Condition	Specified Condition
D+ - Body Ground	Ignition switch ON	Below 1V
D- - Body Ground	Ignition switch ON	Below 1V

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REPLACE SPIRAL CABLE SUB-ASSY  
(SEE PAGE 60-24)

OK

USE SIMULATION METHOD TO CHECK

HINT:

w/o Side Airbag:

- Perform the simulation method by selecting the check mode with the Intelligent Tester II (see page 05-980).
- 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 05-980).