

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.

This circuit actuates the SRS to deploy when deployment conditions are met.

DTC B0102/11 is recorded when a short to ground is detected in the D squib circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B0102/11	<ul style="list-style-type: none"> • Short circuit in D squib wire harness (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 05-981.

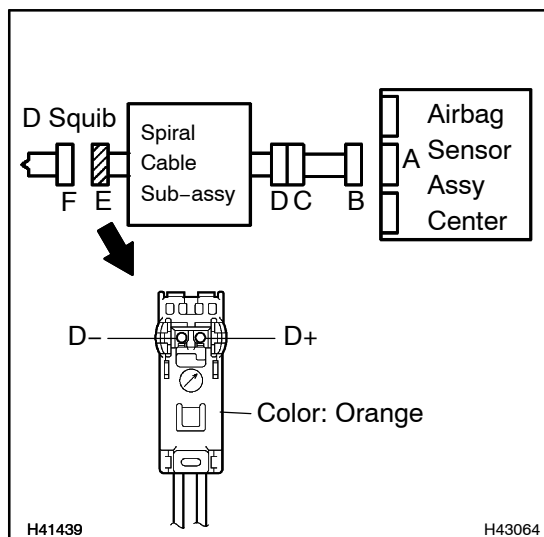
INSPECTION PROCEDURE

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

Standard:

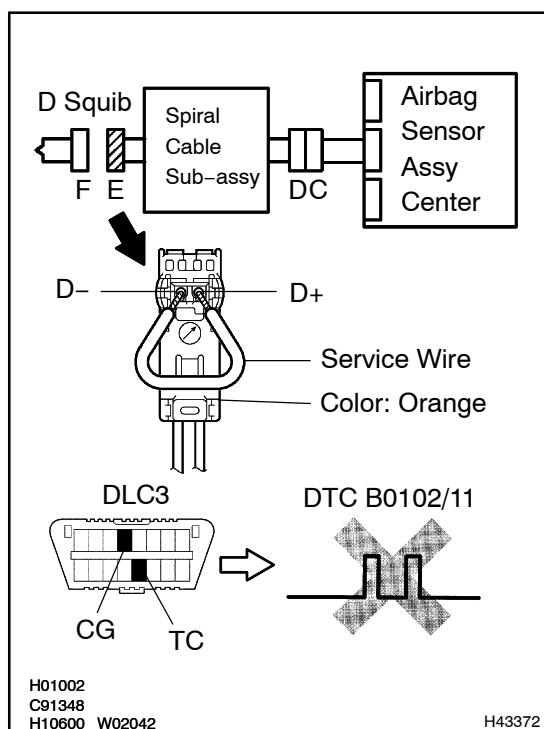
Tester connection (Connector "E")	Condition	Specified condition
D+ - Body ground	Always	1 MΩ or Higher
D- - Body ground	Always	1 MΩ or Higher

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Go to step 4

OK

2 CHECK AIR BAG SENSOR ASSY CENTER



- 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 B0102/11 is not output.

HINT:

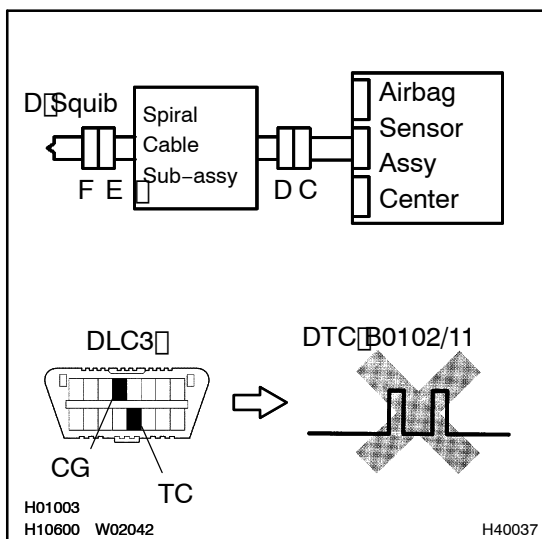
Codes other than code B0102/11 may be output at this time, but they are not related to this check.

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

OK

3 CHECK HORN BUTTON ASSY (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 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 10 seconds.
- Check the DTCs (see Pub. No. RM864E, page 05-401).

OK:

DTC B0102/11 is not output.

HINT:

Codes other than code B0102/11 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

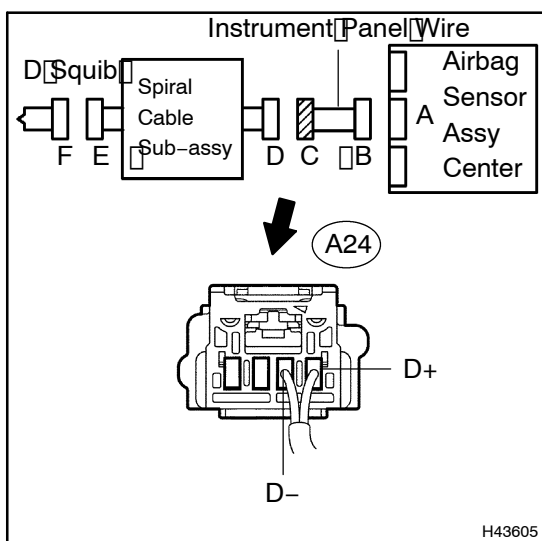
USE SIMULATION METHOD TO CHECK

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).

4 CHECK INSTRUMENT PANEL WIRE



- (a) Disconnect the instrument panel wire connector from the spiral cable sub-assy.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

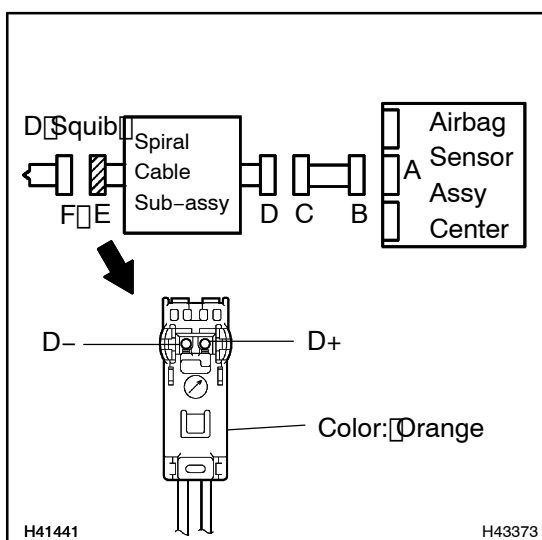
Tester Connection (Connector "C")	Condition	Specified Condition
A24-1 (D+) - Body Ground	Always	1 MΩ or Higher
A24-2 (D-) - Body Ground	Always	1 MΩ or Higher

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REPAIR OR REPLACE INSTRUMENT PANEL WIRE

OK

5 CHECK SPIRAL CABLE SUB-ASSY



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

Standard:

Tester Connection (Connector "E")	Condition	Specified Condition
D+ - Body Ground	Always	1 MΩ or Higher
D- - Body Ground	Always	1 MΩ or Higher

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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 airbag system or driving the vehicle on a city or rough road (see page 05-980).