

DTC	B1811	OPEN IN D SQUIB (DUAL STAGE – 2ND STEP) CIRCUIT
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CIRCUIT DESCRIPTION

The D squib (Dual stage – 2nd step) 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 B1811 is recorded when an open circuit is detected in the D squib (Dual stage – 2nd step) circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B1811	<ul style="list-style-type: none"><li>• When the airbag sensor assy center receives an open signal circuit in the D squib (Dual stage – 2nd step) circuit for 2 seconds.</li><li>• D squib (Dual stage – 2nd step) malfunction</li><li>• Spiral cable sub-assy malfunction</li><li>• Airbag sensor assy center malfunction</li></ul>	<ul style="list-style-type: none"><li>• Instrument panel wire</li><li>• Spiral cable sub-assy</li><li>• Horn button assy (D squib, Dual stage – 2nd step)</li><li>• Airbag sensor assy center</li></ul>

WIRING DIAGRAM

See page 05-1038.

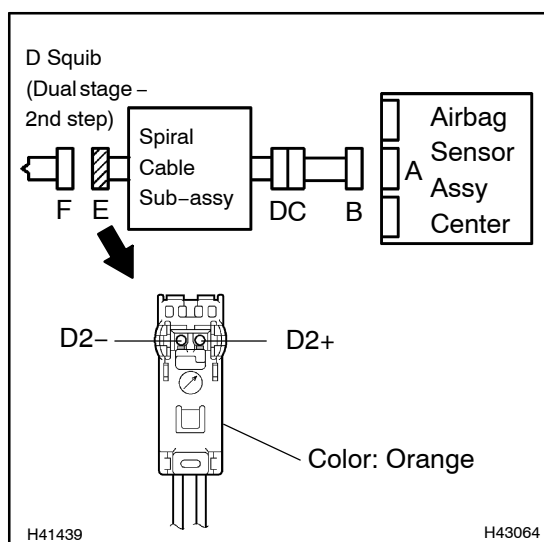
## INSPECTION PROCEDURE

### 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 connectors from the horn button assy.
- (e) Disconnect the connector from the front passenger airbag assy.
- (f) Disconnect the connector from the instrument panel airbag assy lower No.1.
- (g) Disconnect the connector from the instrument panel airbag assy lower No.2.
- (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.
- (l) Disconnect the connector from the front seat outer belt assy LH.
- (m) Disconnect the connector from the front seat outer belt assy RH.
- (n) Disconnect the connectors from the rear seat 3 point type outer belt assy.

### 1 CHECK D SQUIB CIRCUIT(DUAL STAGE – 2ND STEP, AIRBAG SENSOR ASSY CENTER – HORN BUTTON ASSY)



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

#### Standard:

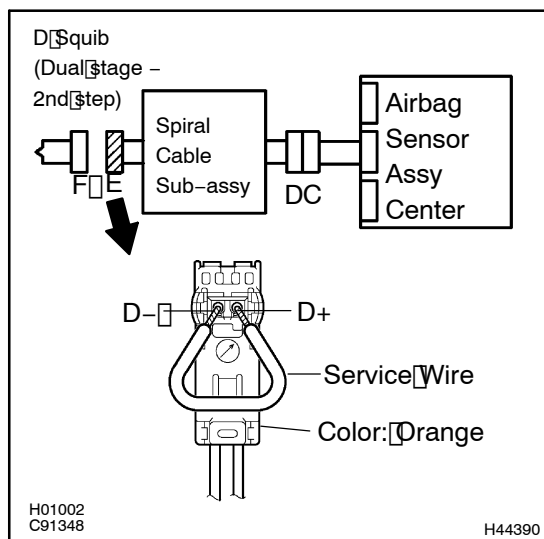
Tester connection	Condition	Specified condition
D2+ – D2–	Always	Below 1 $\Omega$

**NG**

**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 D2+ and D2- 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 05-959).
  - 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 05-959).

### OK:

**DTC B1811 is not output.**

### HINT:

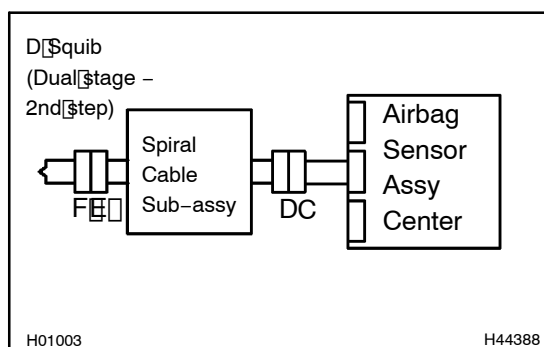
Codes other than code B1811 may be output at this time, but they are not related to this check.

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**REPLACE AIR BAG SENSOR ASSY CENTER  
(SEE PAGE 60-74)**

OK

### 3 CHECK HORN BUTTON ASSY (D Squib, Dual Stage – 2nd Step)



- (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 service wire from connector "E".
- (d) Connect the connectors to the horn button assy.
- (e) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
- (f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (g) Clear the DTCs stored in memory (see page 05-959).
- (h) Turn the ignition switch to the LOCK position.
- (i) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (j) Check the DTCs (see page 05-959).

**OK:**

**DTC B1811 is not output.**

**HINT:**

Codes other than code B1811 may be output at this time, but they are not related to this check.

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**REPLACE HORN BUTTON ASSY  
(SEE PAGE 60-22)**

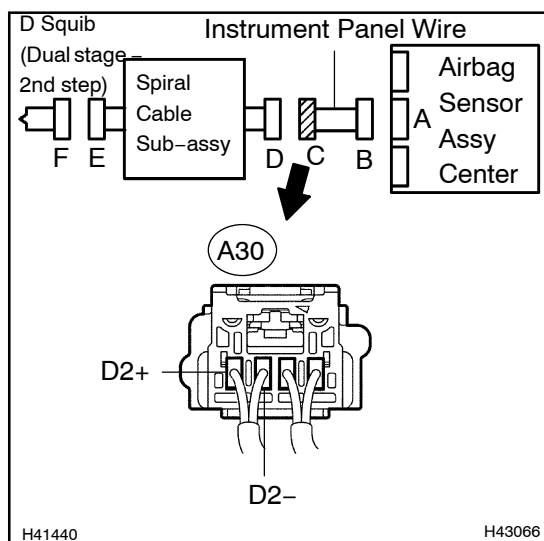
**OK**

### USE SIMULATION METHOD TO CHECK (SEE PAGE 05-954)

**HINT:**

- Perform the simulation method by selecting the check mode with the Intelligent Tester II (see page 05-960).
- 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 05-960).

## 4 CHECK INSTRUMENT PANEL WIRE



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

### Standard:

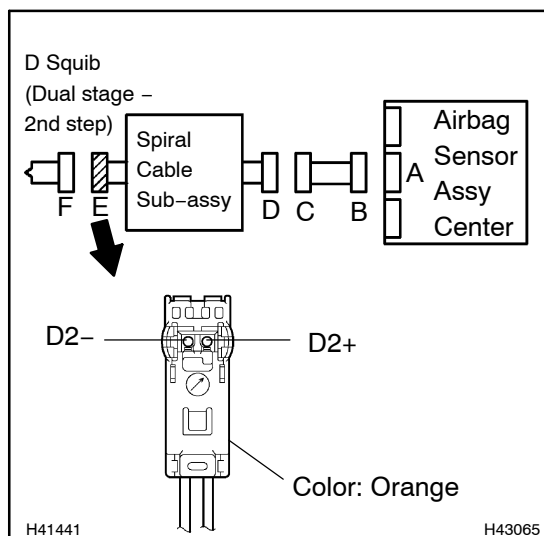
Tester connection	Condition	Specified condition
A30-4 (D2+) - A30-3 (D2-)	Always	Below 1 $\Omega$

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**REPAIR OR REPLACE INSTRUMENT PANEL WIRE**

OK

## 5 CHECK SPIRAL CABLE SUB-ASSY



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

### Standard:

Tester connection	Condition	Specified condition
D2+ - D2-	Always	Below 1 $\Omega$

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**REPLACE SPIRAL CABLE SUB-ASSY**  
(SEE PAGE 60-31)

OK

## USE SIMULATION METHOD TO CHECK (SEE PAGE 05-954)

### HINT:

- Perform the simulation method by selecting the check mode with the intelligent tester (see page 05-960).
- 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 05-960).