DTC	B1801	OPEN IN D SQUIB CIRCUIT

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 B1801 is recorded when an open circuit is detected in the D squib circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B1801	• When the airbag sensor assy center receives an open signal in the D squib circuit for 2 seconds. • D squib malfunction • Spiral cable sub–assy malfunction • Airbag sensor assy center malfunction	• Instrument panel wire • Spiral cable sub–assy • Horn button assy (D squib) • Airbag sensor assy center

WIRING DIAGRAM

See page 05–1038.

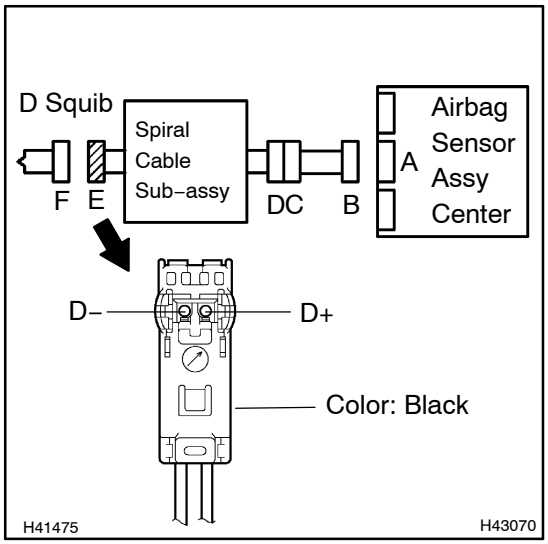
INSPECTION PROCEDURE

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(AIRBAG SENSOR ASSY CENTER – HORN BUTTON ASSY)



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

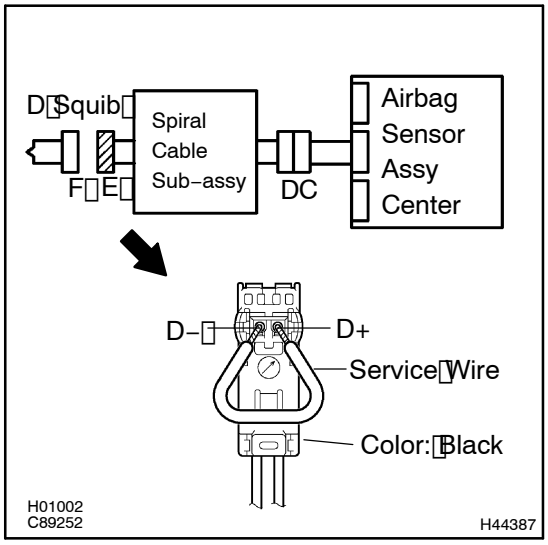
Standard:

Tester connection	Condition	Specified condition
D+ – D–	Always	Below 1 Ω

NG → **Go to step 4**

OK

2	CHECK AIRBAG SENSOR ASSY CENTER



(a) Connect the connectors to the airbag sensor assy center.
(b) 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.**

(c) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
(d) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(e) Clear the DTCs stored in memory (see page 05–959).
(f) Turn the ignition switch to the LOCK position.
(g) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(h) Check the DTCs (see page 05–959).

OK:

DTC B1801 is not output.

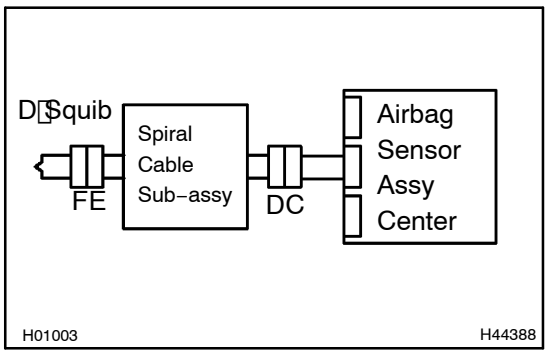
HINT:

Codes other than code B1801 may be output at this time, but they are not related to this check.

NG	REPLACE AIRBAG SENSOR ASSY CENTER (SEE PAGE 60–74)

OK

3	CHECK HORN BUTTON ASSY (D SQUIB)



(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 B1801 is not output.

HINT:

Codes other than code B1801 may be output at this time, but they are not related to this check.

NG	REPLACE HORN BUTTON ASSY (SEE PAGE 60–22)

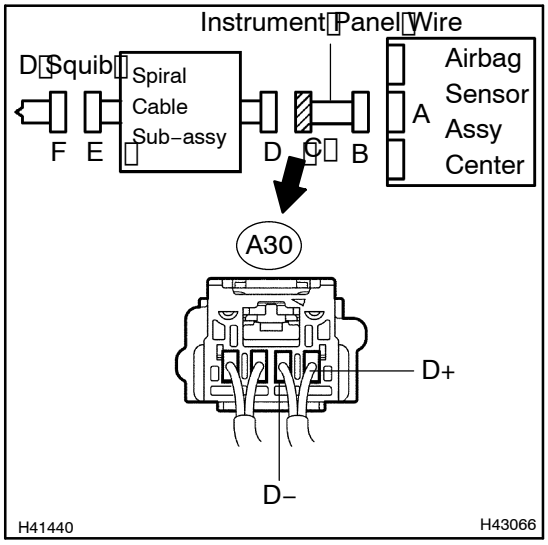
OK

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



(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.

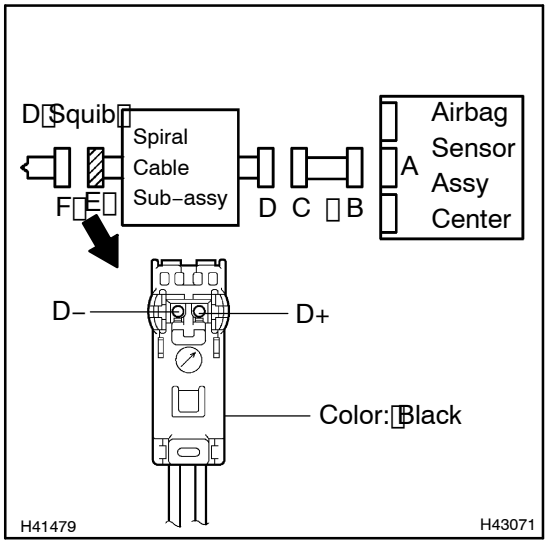
Standard:

Tester connection	Condition	Specified condition
A30–1 (D+) – A30–2 (D–)	Always	Below 1 Ω

NG → **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	Condition	Specified condition
D+ – D–	Always	Below 1 Ω

NG → **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 II (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).