

DTC	B1180/17	SHORT IN D SQUIB (DUAL STAGE - 2ND STEP) CIRCUIT
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CIRCUIT DESCRIPTION

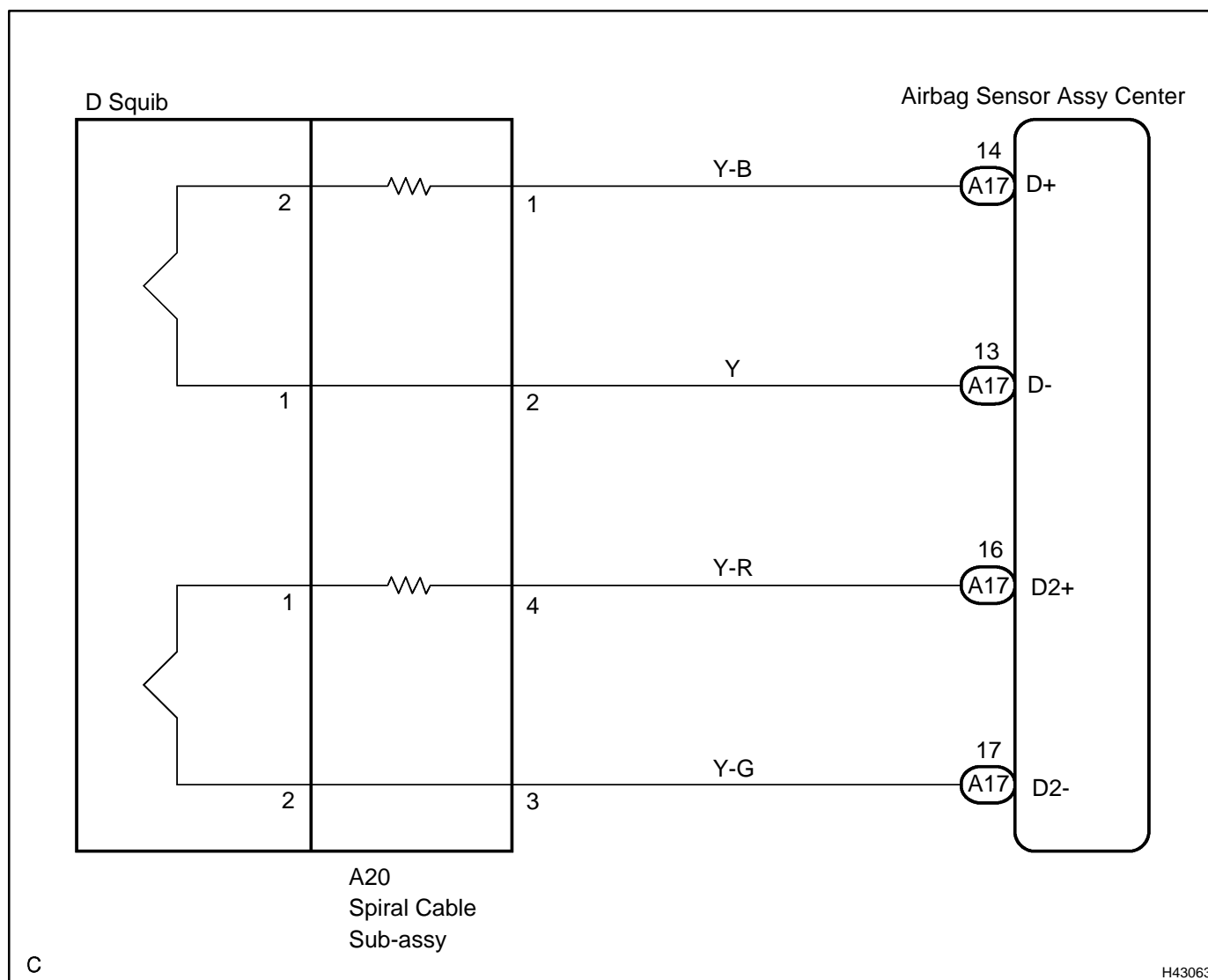
The D squib (Dual stage - 2nd step) circuit consists of the airbag sensor assy center, the spiral cable sub-assy and the horn button assy.

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

DTC B1180/17 is recorded when a short circuit is detected in the D squib (Dual stage - 2nd step) circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B1180/17	<ul style="list-style-type: none"> • Short circuit between D2+ wire harness and D2- wire harness of D squib (Dual stage - 2nd step) • D squib (Dual stage - 2nd step) malfunction • Spiral cable sub-assy malfunction • Airbag sensor assy center malfunction 	<ul style="list-style-type: none"> • Horn button assy (D squib, Dual stage - 2nd step) • Spiral cable sub-assy • Airbag sensor assy center • Cowl wire

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK CONNECTOR

- 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 horn button assy.
- Check that the spiral cable sub-assy connectors (on the horn button assy side) are not damaged.

OK:

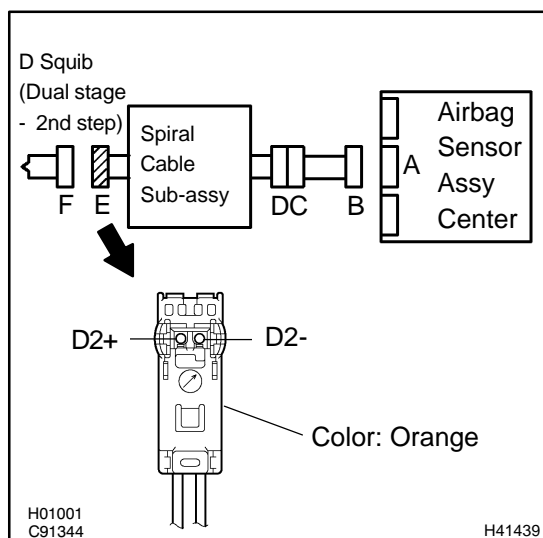
The lock button is not disengaged, or the claw of the lock is not deformed or damaged.

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

OK

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



- Disconnect the connector from the airbag sensor assy center.
- Release the activation prevention mechanism built into connector "B" (see page 05-1207).
- Measure the resistance according to the value(s) in the table below.

Standard:

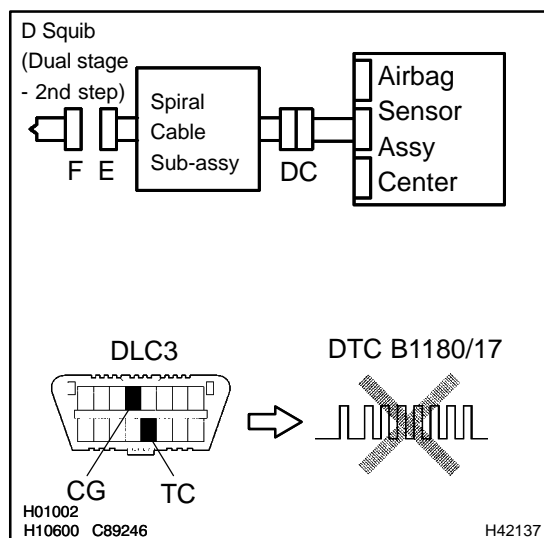
Tester connection	Condition	Specified condition
D2+ - D2-	Always	1 MΩ or Higher

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Go to step 5

OK

3 CHECK AIR BAG SENSOR ASSY CENTER



- Connect the connector to the airbag sensor assy center.
- 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 B1180/17 is not output.

HINT:

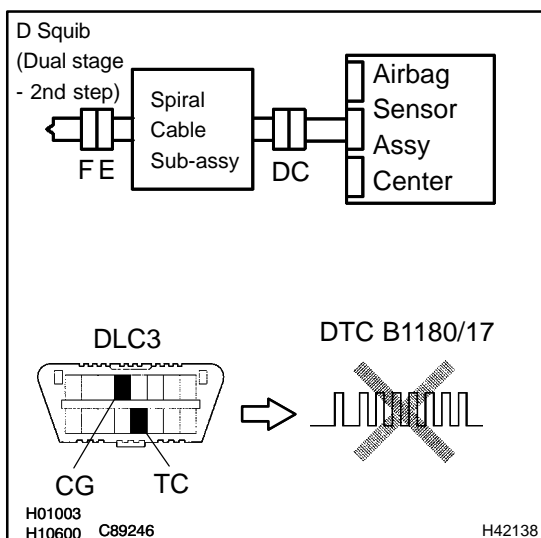
Codes other than code B1180/17 may be output at this time, but they are not related to this check.

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

OK

4 CHECK HORN BUTTON ASSY(D SQUIB, DUAL STAGE - 2ND STEP)



- 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 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 B1180/17 is not output.

HINT:

Codes other than code B1180/17 may be output at this time, but they are not related to this check.

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

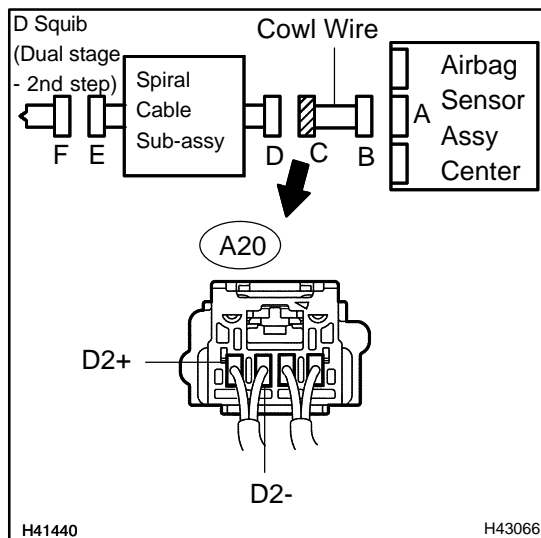
OK

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).

5 CHECK COWL WIRE



- (a) Disconnect the cowl wire connector from the spiral cable sub-assy .

HINT:

The activation prevention mechanism of connector "B" has already been released.

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

Standard:

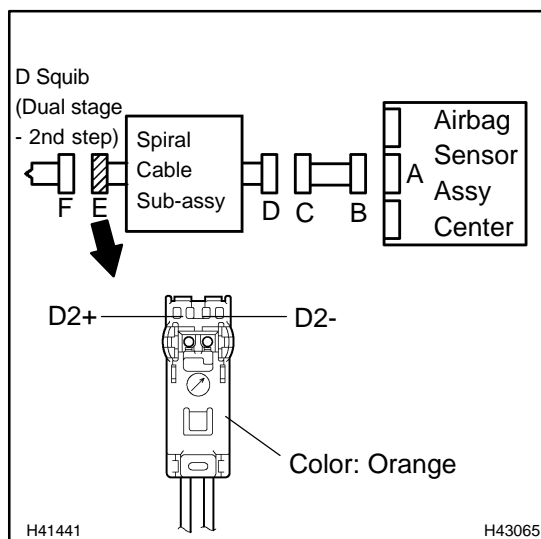
Tester connection	Condition	Specified condition
A20-4 (D2+) - A20-3 (D2-)	Always	1 MΩ or Higher

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REPAIR OR REPLACE COWL WIRE

OK

6 CHECK SPIRAL CABLE SUB-ASSY



- (a) Release the activation prevention mechanism built into connector "D" (see page 05-1207).

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

Standard:

Tester connection	Condition	Specified condition
D2+ - D2-	Always	1 MΩ or Higher

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 airbag system or driving the vehicle on a city or rough road (see page 05-1218).