

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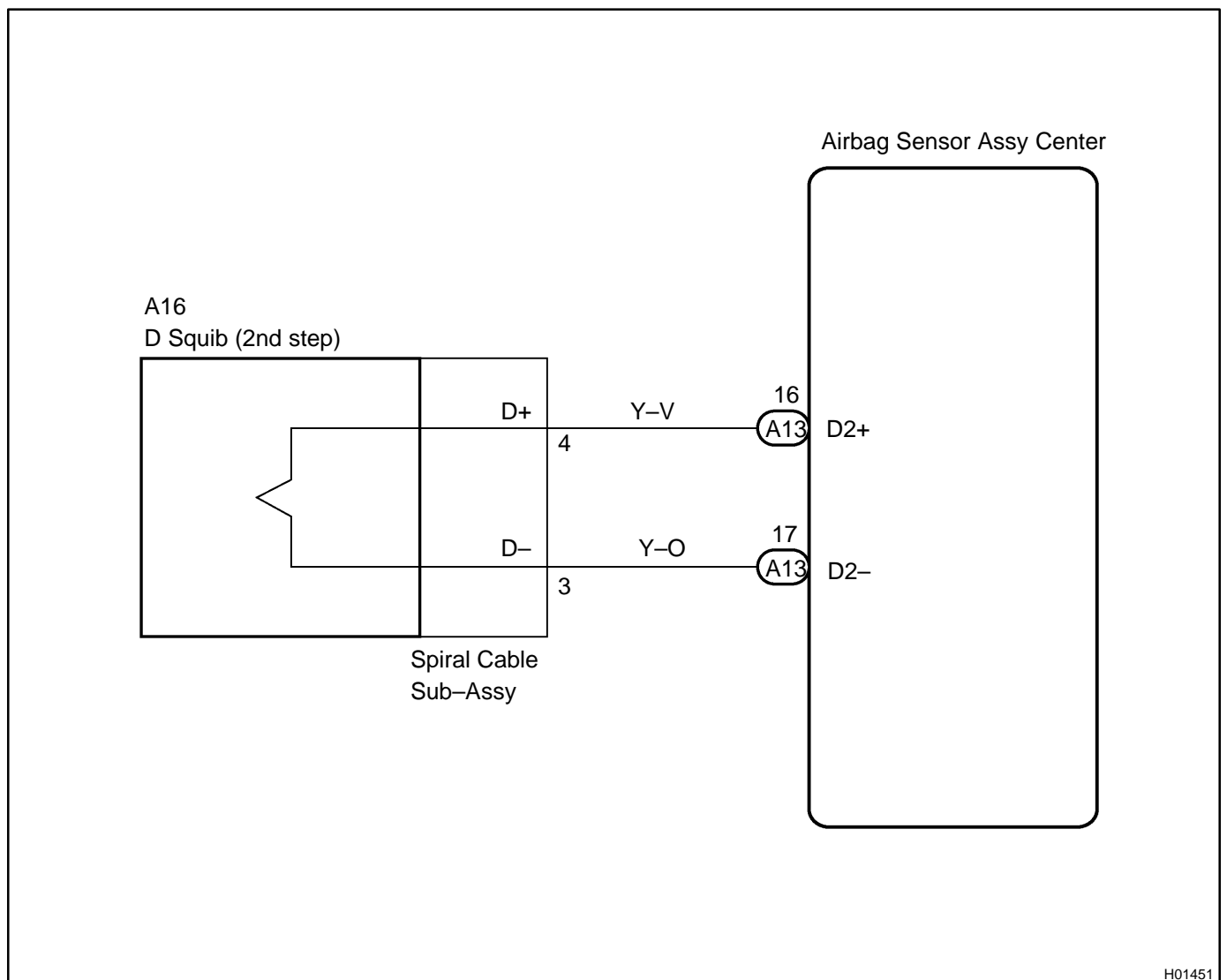
CIRCUIT DESCRIPTION

The D squib circuit consists of the airbag sensor assy center, spiral cable sub-assy and horn button assy. It causes the SRS to deploy when the SRS deployment conditions are satisfied.

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

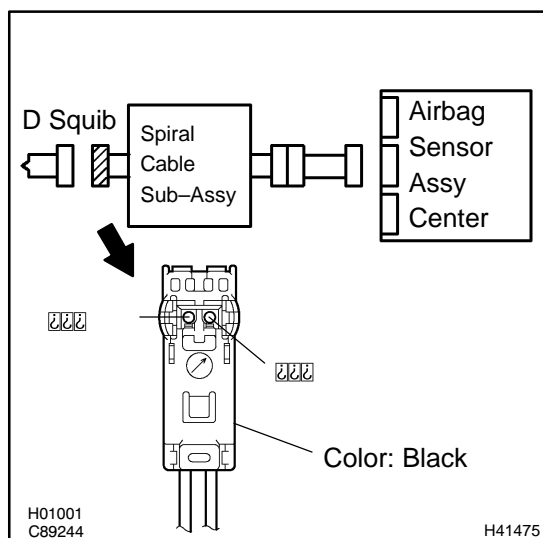
DTC No.	DTC Detecting Condition	Trouble Area
B1180/17	<ul style="list-style-type: none"> • Short circuit between D2+ wire harness and D2- wire harness of squib (2nd step) • D squib (2nd step) malfunction • Spiral cable sub-assy malfunction • Airbag sensor assy center malfunction 	<ul style="list-style-type: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

WIRING DIAGRAM



INSPECTION PROCEDURE

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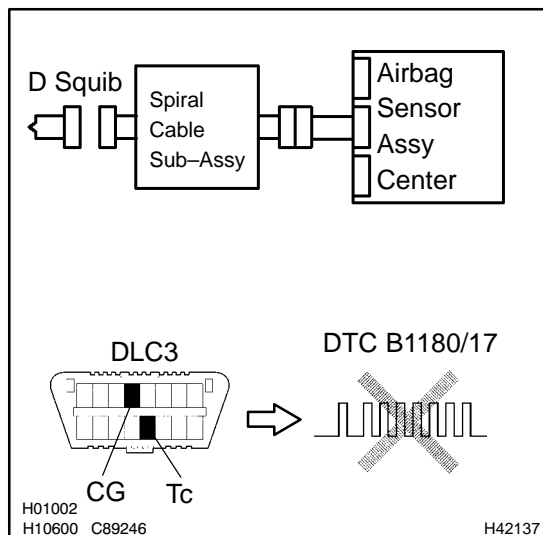


- (a) Disconnect the negative (–) terminal cable from the battery, and wait at least for 90 seconds.
- (b) Disconnect the connectors between the airbag sensor assy center and the horn button assy.
- (c) Release the airbag activation prevention mechanism of the connector (on the airbag sensor assy center side) between the airbag sensor assy center and the spiral cable sub-assy (See page 05-424).
- (d) For the black connector (on the spiral cable sub-assy side) between the horn button assy and the spiral cable sub-assy, measure the resistance between D2+ and D2–.

OK:**Resistance: 1 MΩ or Higher****NG****Go to step 4****OK**

2	CHECK AIR BAG SENSOR ASSY CENTER
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SST 09843-18040



- (a) Connect the connector to the airbag sensor assy center.
- (b) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
- (c) Turn the ignition switch to ON, and wait at least for 20 seconds.
- (d) Clear the DTC stored in memory (See page 05-424).
- (e) Turn the ignition switch to LOCK, and wait at least for 20 seconds.
- (f) Turn the ignition switch to ON, and wait at least for 20 seconds.
- (g) Check the DTC (See page 05-424).

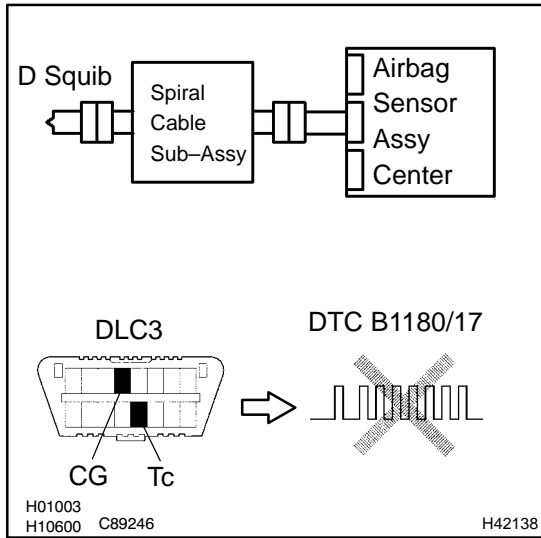
OK:**DTC B1180/17 is not output.****HINT:**

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

NG**REPLACE AIR BAG SENSOR ASSY CENTER****OK**

3 CHECK D SQUIB

SST 09843-18040



- (a) Turn the ignition switch to LOCK.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- (c) Connect the horn button assy connectors.
- (d) Connect the negative (-) terminal cable to the battery, and wait at least for 2 seconds.
- (e) Turn the ignition switch to ON, and wait at least for 20 seconds.
- (f) Clear the DTC stored in memory (See page 05-424).
- (g) Turn the ignition switch to LOCK, and wait at least for 20 seconds.
- (h) Turn the ignition switch to ON, and wait at least for 20 seconds.
- (i) Check the DTC (See page 05-424).

OK:

DTC B1180/17 is not output.

HINT:

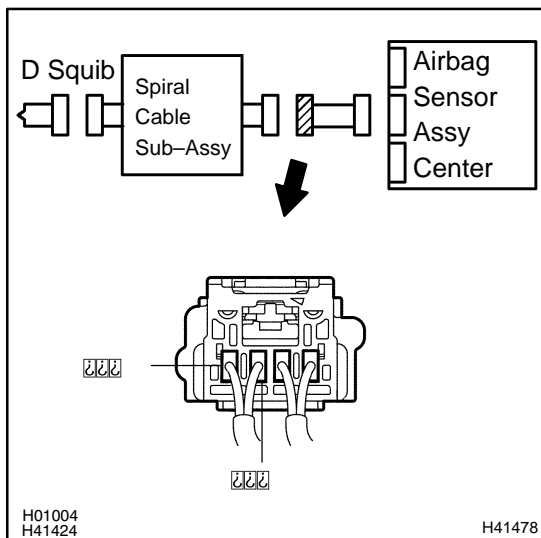
Codes other than code B1180/17 may be output at this time, but they are not relevant to this check.

NG → **REPLACE HORN BUTTON ASSY**

OK

USE SIMULATION METHOD TO CHECK

4 CHECK INSTRUMENT PANEL WIRE(AIRBAG SENSOR ASSY CENTER - SPIRAL CABLE SUB-ASSY)



- (a) Disconnect the connector of the instrument panel wire.
- (b) Release the airbag activation prevention mechanism of the connector (on the airbag sensor assy center side) between the airbag sensor assy center and the spiral cable sub-assy (See page 05-424).
- (c) For the connector (on the spiral cable sub-assy side) between the airbag sensor assy center and the spiral cable sub-assy, measure the resistance between D2+ and D2-.

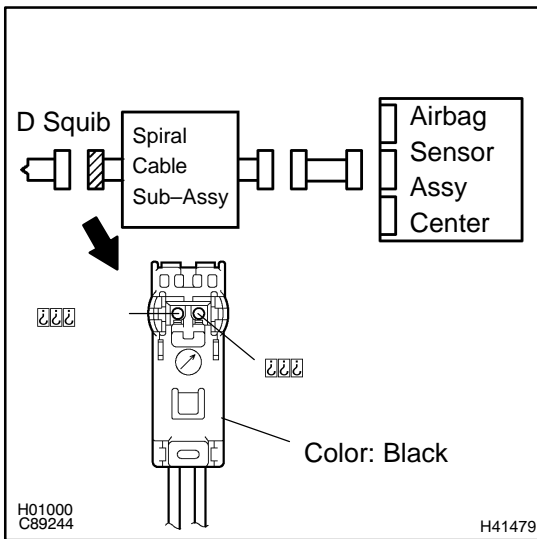
OK:

Resistance: 1 MΩ or Higher

NG → **REPAIR OR REPLACE INSTRUMENT PANEL WIRE(AIRBAG SENSOR ASSY CENTER - SPIRAL CABLE SUB-ASSY)**

OK

5 CHECK SPIRAL CABLE SUB-ASSY



- (a) Release the airbag activation prevention mechanism of the spiral cable sub-assy connector on the airbag sensor assy center side (See page 05-424).
- (b) For the black connector (on the spiral cable sub-assy side) between the horn button assy and the spiral cable sub-assy, measure the resistance between D2+ and D2-.

OK:

Resistance: 1 MΩ or Higher

NG

REPLACE SPIRAL CABLE SUB-ASSY

OK

USE SIMULATION METHOD TO CHECK