DTC	B1180/17	Short in Driver Side Squib 2nd Step Circuit

DESCRIPTION

The driver side squib (2nd step) circuit consists of the center airbag assembly, the spiral cable sub-assembly and the steering pad.

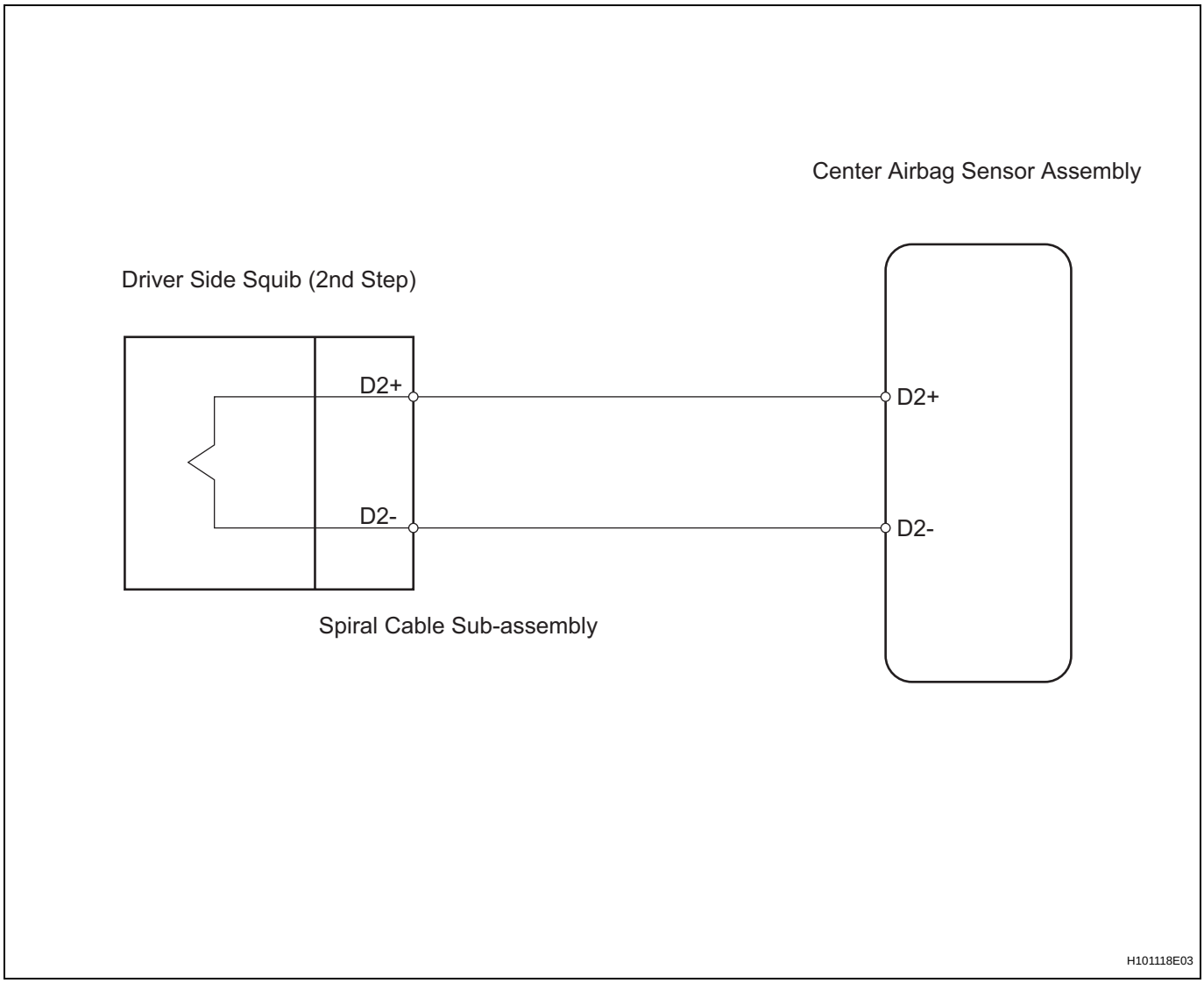
RS

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

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

DTC No.	DTC Detection Condition	Trouble Area
B1180/17	• Short circuit between D2+ wire harness and D2- wire harness of driver side squib (2nd step) • Driver side squib (2nd step) malfunction • Spiral cable sub-assembly malfunction • Center airbag sensor assembly malfunction	• Steering pad (driver side squib, 2nd step) • Spiral cable sub-assembly • Center airbag sensor assembly • Instrument panel wire

WIRING DIAGRAM



1	CHECK SPIRAL CABLE SUB-ASSEMBLY

(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 steering pad.
(d) Check that the spiral cable sub-assembly connector (on the steering pad side) is not damaged.
OK:
Lock button is not disengaged, or claw of lock is not deformed or damaged.

NG → **REPLACE SPIRAL CABLE SUB-ASSEMBLY**

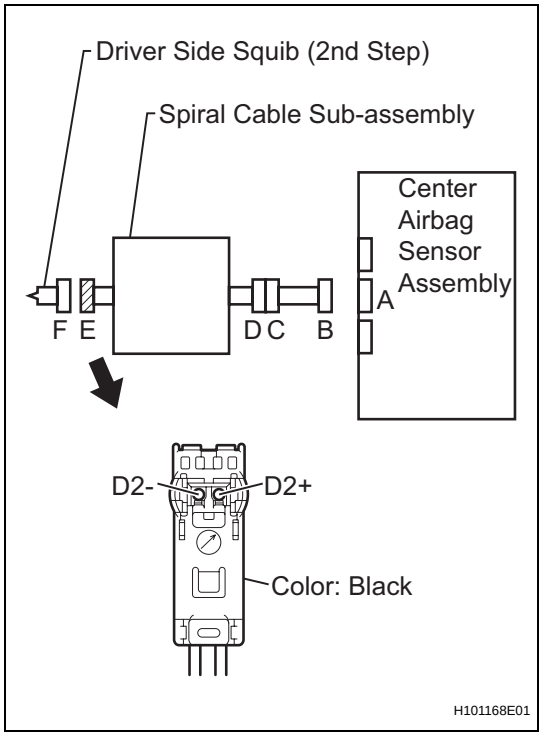
OK

2	CHECK DRIVER SIDE SQUIB (2ND STEP) CIRCUIT (CENTER AIRBAG SENSOR ASSEMBLY - STEERING PAD)

(a) Disconnect the connector from the center airbag sensor assembly.
(b) Release the activation prevention mechanism built into connector "B" (see page RS-12).
(c) Measure the resistance according to the value(s) in the table below.
Standard resistance

Tester Connection (Connector "E")	Specified Condition
D2+ - D2-	1 MΩ or higher

NG → **Go to step 5**



OK

3	CHECK CENTER AIRBAG SENSOR ASSEMBLY

(a) Connector the connector to the center airbag sensor assembly.

RS

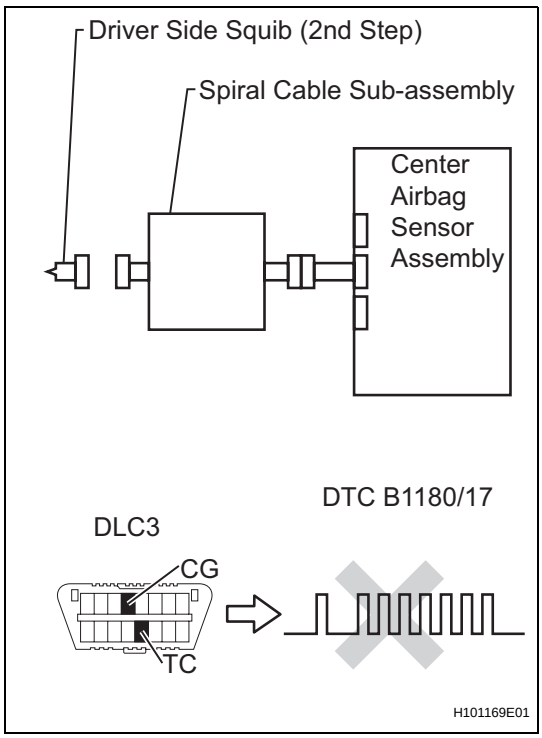
(b) Connector the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
(c) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(d) Clear the stored DTCs in the memory (see page RS-21).
(e) Turn the ignition switch to the LOCK position.
(f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(g) Check for the DTCs (see page RS-21).

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.

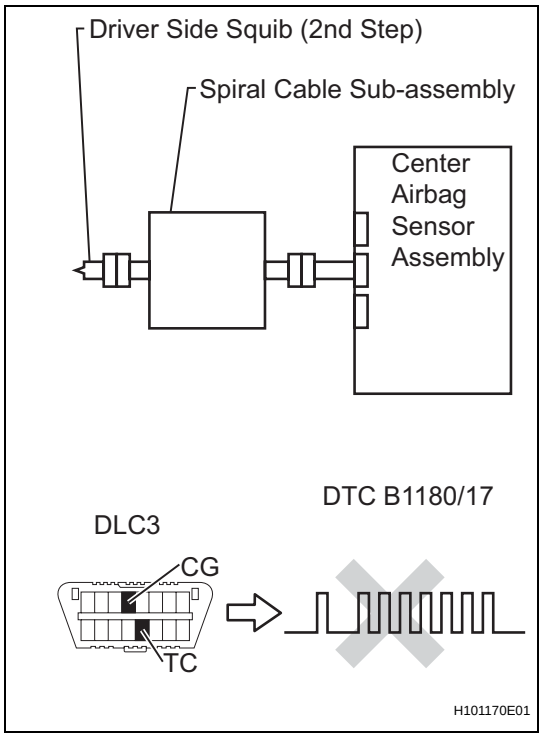


NG → **REPLACE CENTER AIRBAG SENSOR ASSEMBLY**

OK

4	CHECK STEERING PAD (DRIVER SIDE SQUIB, 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) Connect the connectors to the steering pad.
(d) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
(e) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(f) Clear the stored DTCs in the memory (see page RS-21).
(g) Turn the ignition switch to the LOCK position.
(h) Turn the ignition switch to the ON position, and wait for at least 60 seconds.



(i) Check for the DTCs (see page RS-21).
OK:
B1180/17 is not output.
HINT:
Codes other than code B1180/17 may be output this time, but they are not related to this check.

NG → **REPLACE STEERING PAD**

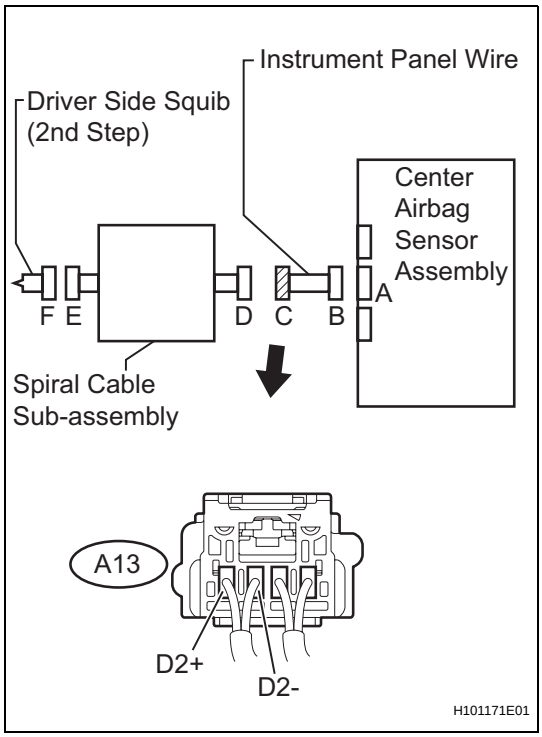
OK

PROBLEM SYMPTOMS SIMULATION

5	CHECK INSTRUMENT PANEL WIRE

(a) Disconnect the instrument panel wire connector from the spiral cable sub-assembly.
HINT:
The activation prevention mechanism of connector "B" has already been released.

RS



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

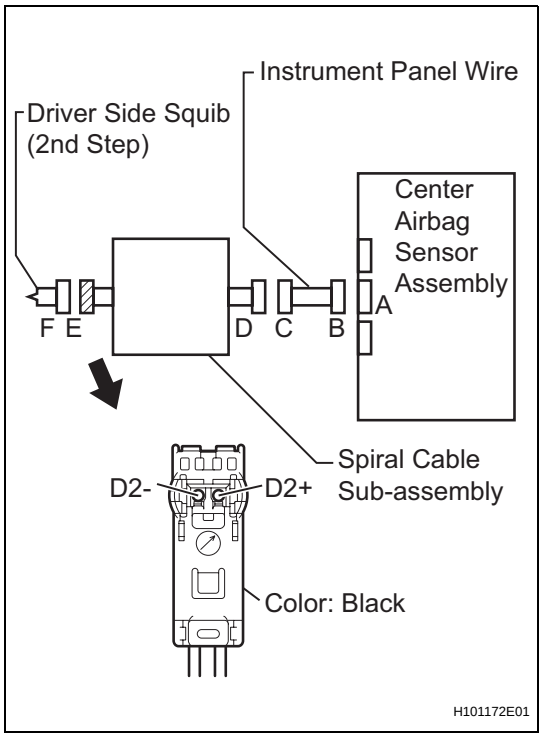
Standard resistance

Tester Connection (Connector "C")	Specified Condition
A13-4 (D2+) - A13-3 (D2-)	1 MΩ or higher

NG → **REPAIR OR REPLACE INSTRUMENT PANEL WIRE**

OK

6 CHECK SPIRAL CABLE SUB-ASSEMBLY



(a) Release the activation prevention mechanism built into connector "D" (see page RS-12).

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

Standard resistance

Tester Connection (Connector "E")	Specified Condition
D2+ - D2-	1 MΩ or higher

NG → **REPLACE SPIRAL CABLE SUB-ASSEMBLY**

OK

PROBLEM SYMPTOMS SIMULATION