

DTC	B1182/19	Short to GND in Driver Side Squib 2nd Step Circuit
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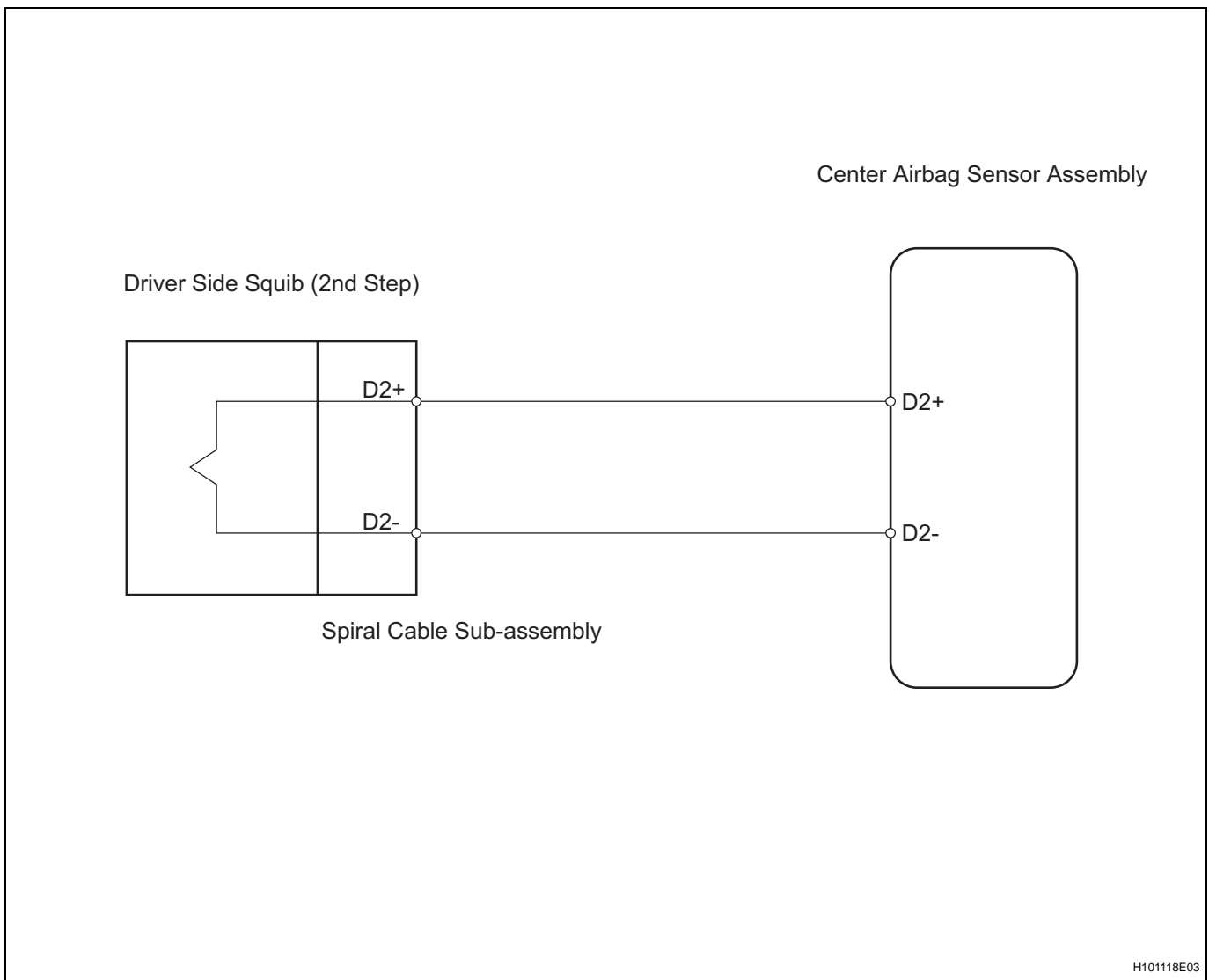
DESCRIPTION

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

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

DTC B1182/19 is recorded when a short to ground is detected in the driver side squib (2nd step) circuit.

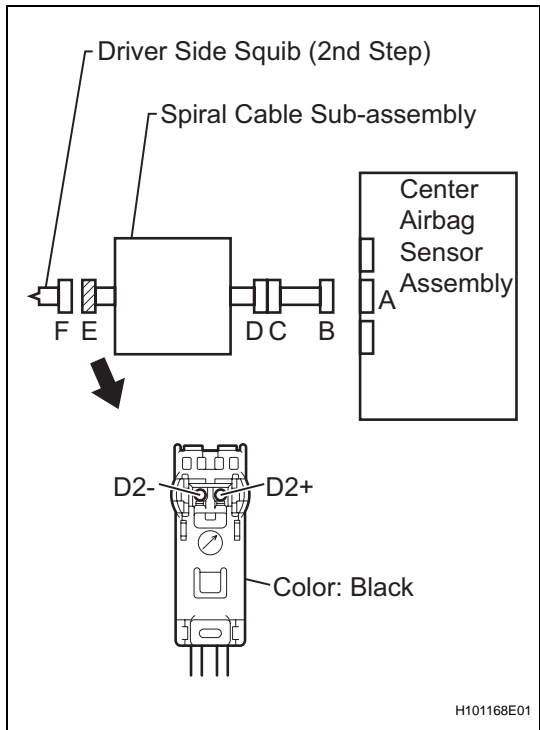
DTC No.	DTC Detection Condition	Trouble Area
B1182/19	<ul style="list-style-type: none"> Short circuit in driver side squib (2nd step) wire harness (to ground) Driver side squib (2nd step) malfunction Spiral cable sub-assembly malfunction Center airbag sensor assembly malfunction 	<ul style="list-style-type: none"> Steering pad (driver side squib, 2nd step) Spiral cable sub-assembly Center airbag sensor assembly Instrument panel wire

WIRING DIAGRAM

1

CHECK DRIVER SIDE SQUIB (CENTER AIRBAG SENSOR ASSEMBLY - STEERING PAD)

RS



OK

- (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 center airbag sensor assembly and the steering pad.
- (d) Measure the resistance according to the value(s) in the table below.

Standard resistance

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

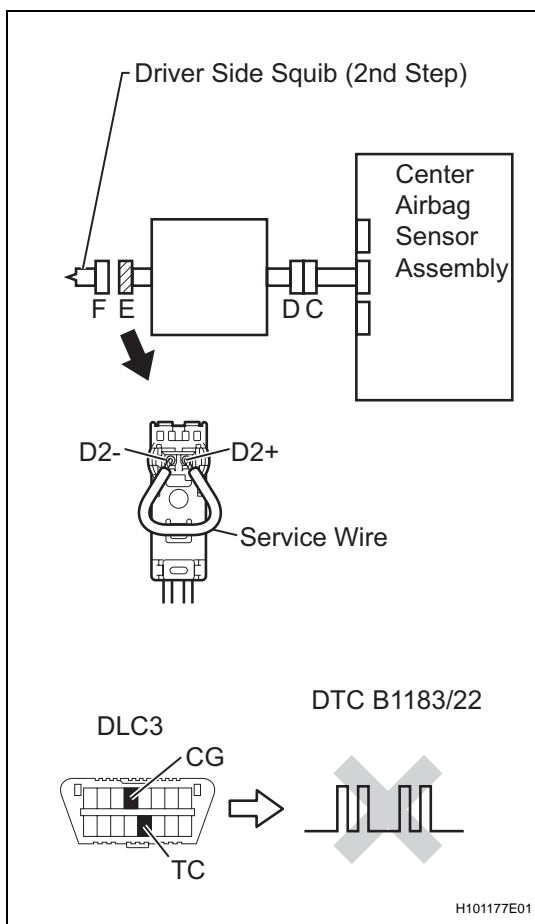
NG

Go to step 5

2

CHECK CENTER AIRBAG SENSOR ASSEMBLY

- (a) Connect the connector to the center airbag sensor assembly.



OK

- (b) Using a service wire, connect terminals D2+ and D2- of connector "E".

NOTICE:

- **Twist the end of the service wire in order to insert to 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 stored DTCs in the memory (see page RS-21).
- (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 for the DTCs (see page RS-21).

OK:

DTC B1182/19 is not output.

HINT:

Codes other than code B1182/19 may be output at this time, but they are not related to this check.

NG

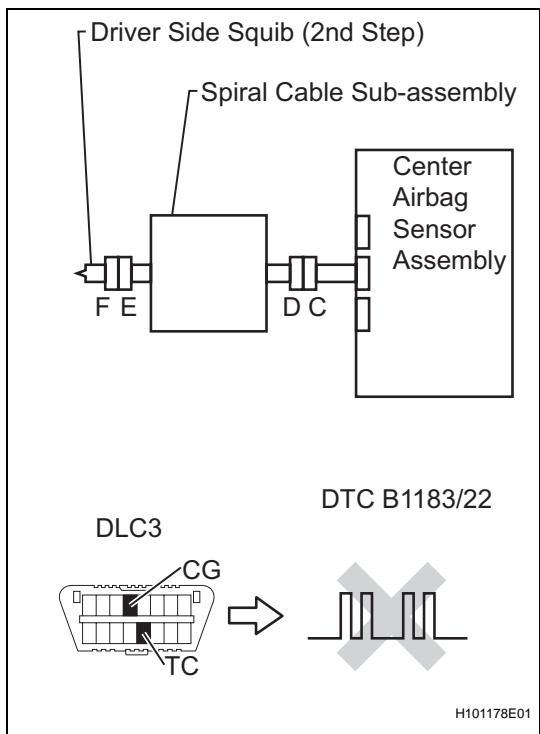
REPLACE CENTER AIRBAG SENSOR ASSEMBLY

3

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) Disconnect the service wire from the connector "E".
- (d) Connect the connectors to the steering pad.
- (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 stored DTCs in the memory (see page RS-21).
- (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.

RS



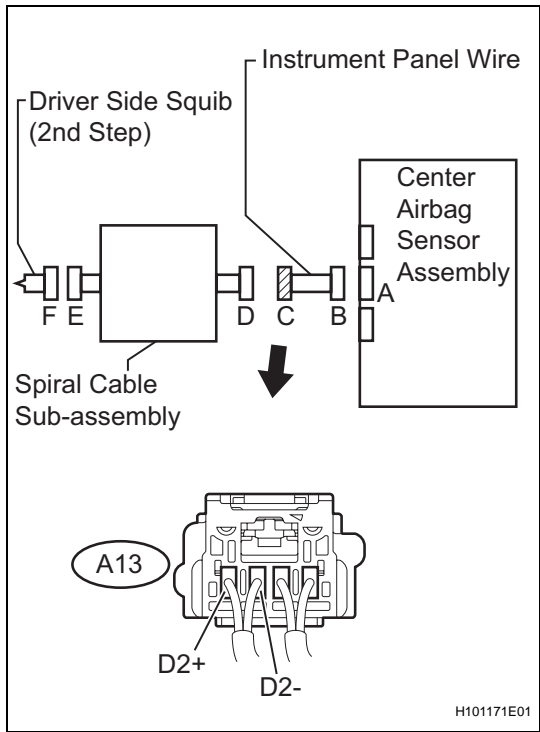
OK

- (j) Check for the DTCs (see page RS-21).
OK:
DTC B1182/19 is not output.
HINT:
Codes other than code B1182/19 may be output at this time, but they are not related to this check.

NG **REPLACE STEERING PAD**

PROBLEM SYMPTOMS SIMULATION

4 CHECK INSTRUMENT PANEL WIRE



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

Standard resistance

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

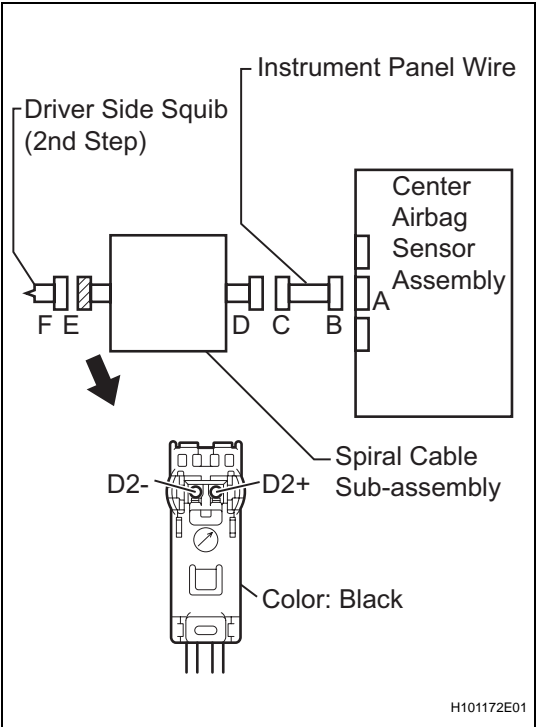
NG **REPAIR OR REPLACE INSTRUMENT PANEL WIRE**

OK

5

CHECK SPIRAL CABLE SUB-ASSEMBLY

RS



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

Standard resistance

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

NG

REPLACE SPIRAL CABLE SUB-ASSEMBLY

OK

PROBLEM SYMPTOMS SIMULATION