

DTC**B0103/12****Short to B+ in Driver Side Squib Circuit****DESCRIPTION**

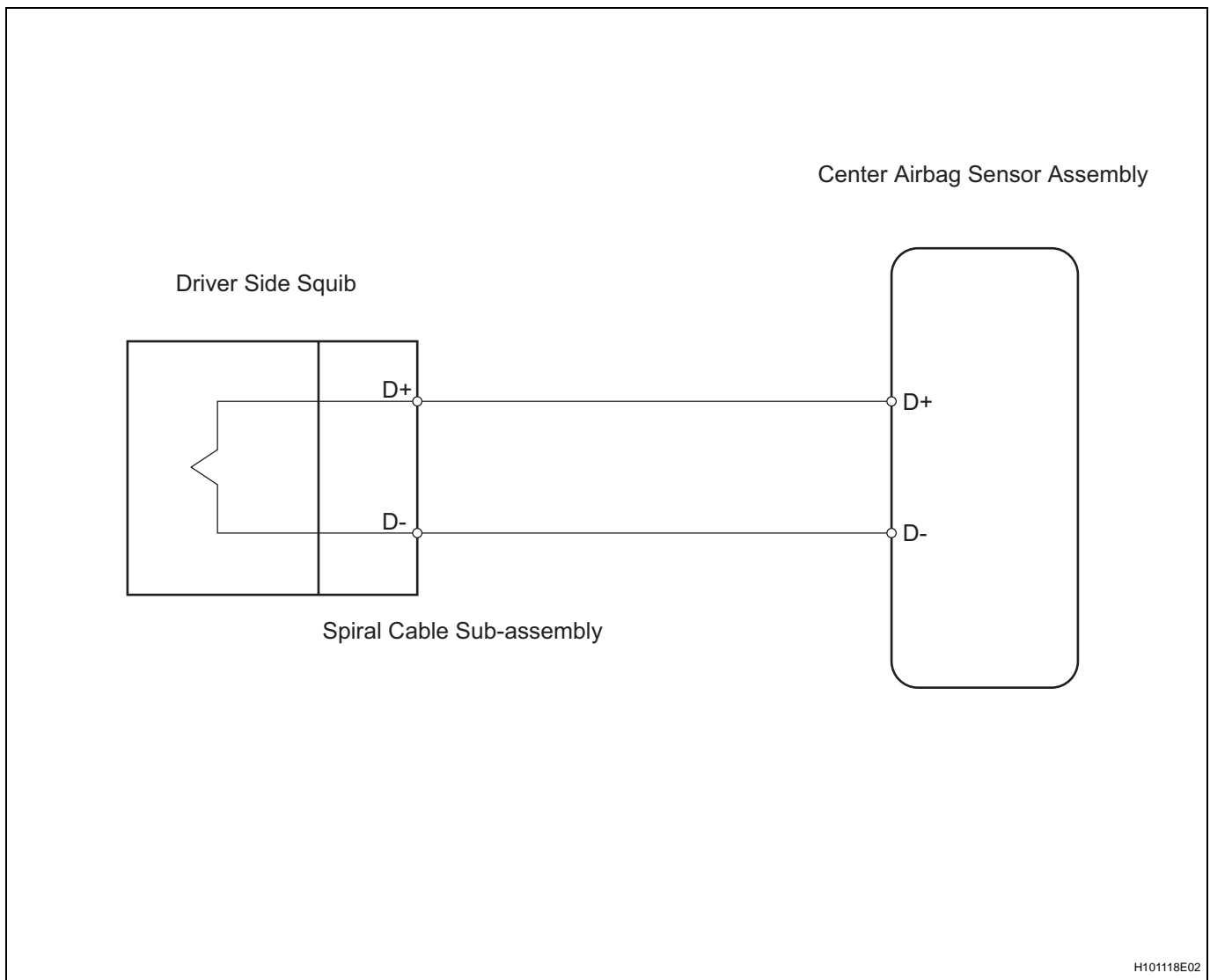
The driver side squib circuit consists of the center airbag sensor assembly, the spiral cable sub-assembly and the steering pad.

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

DTC B0103/12 is recorded when a short to B+ is detected in the driver side squib.

RS

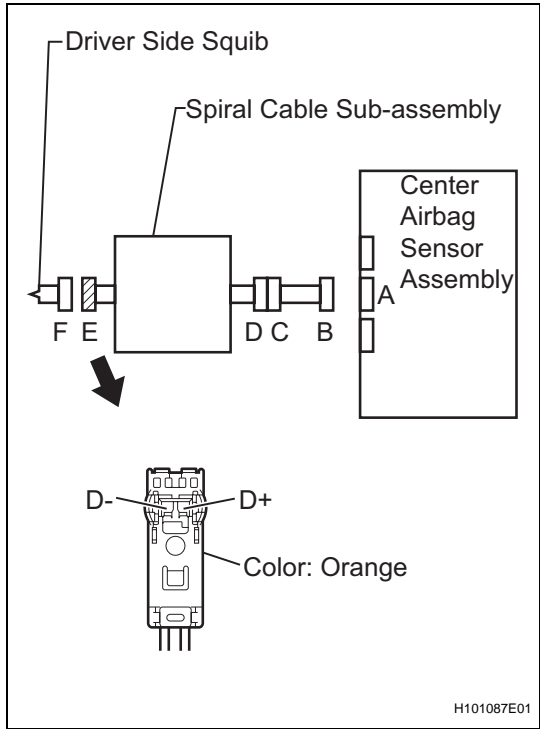
DTC No.	DTC Detection Condition	Trouble Area
B0103/12	<ul style="list-style-type: none"> Short circuit in driver squib wire harness (to B+) Driver side squib malfunction Spiral cable sub-assembly malfunction Center airbag sensor assembly malfunction 	<ul style="list-style-type: none"> Steering pad (driver squib) Spiral cable sub-assembly Center airbag sensor assembly Instrument panel wire

WIRING DIAGRAM

1

CHECK DRIVER SIDE SQUIB CIRCUIT (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) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (e) Measure the voltage according to the value(s) in the table below.

Standard voltage

Tester Connection (Connector "E")	Condition	Specified Condition
D+ - Body ground	Ignition switch ON	Below 1 V
D- - Body ground		

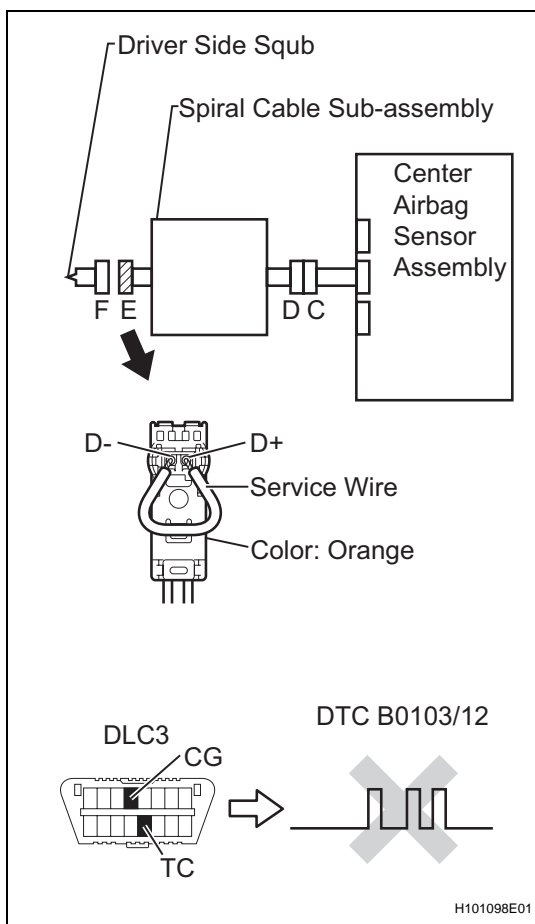
NG

Go to step 4

2

CHECK CENTER AIRBAG SENSOR 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) Connect the connector to the center airbag sensor assembly.



OK

- (d) Using a service wire, connect terminals D+ and D- 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.**

- (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.
- (j) Check for the DTCs (see page RS-21).

OK:

DTC B0103/12 is not output.

HINT:

Codes other than code B0103/12 may be output at this time, but they are not related to this check.

NG

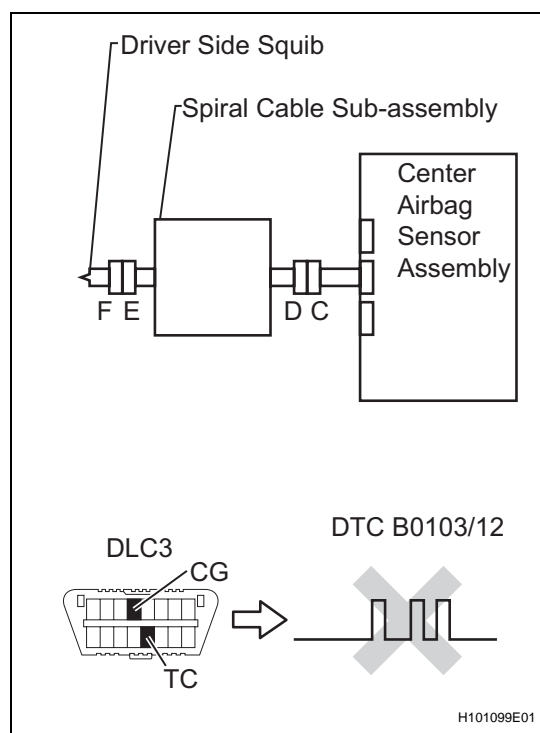
REPLACE CENTER AIRBAG SENSOR ASSEMBLY

3

CHECK STEERING PAD (DRIVER SIDE SQUIB)

- (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.
- (h) Turn the ignition switch to the LOCK position.

RS



OK

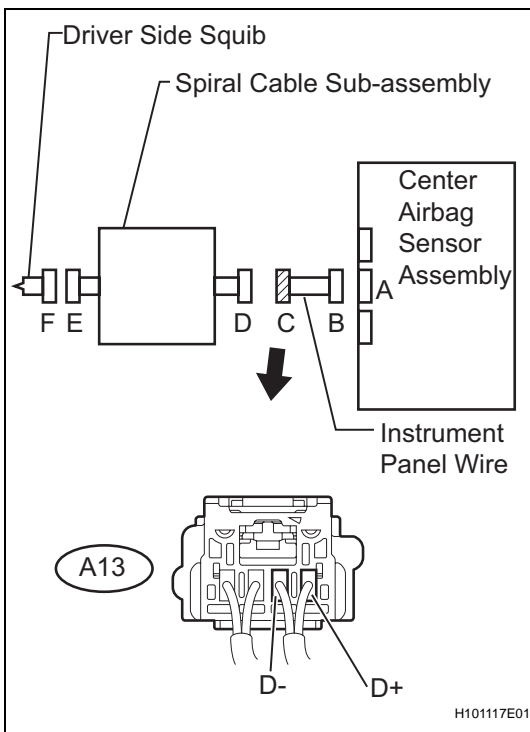
- (i) Check for the DTCs (see page [RS-21](#)).

OK:**B0103/12 is not output.****HINT:**

Codes other than code B0103/12 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**

- 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 instrument panel wire connector from the spiral cable sub-assembly.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.



OK

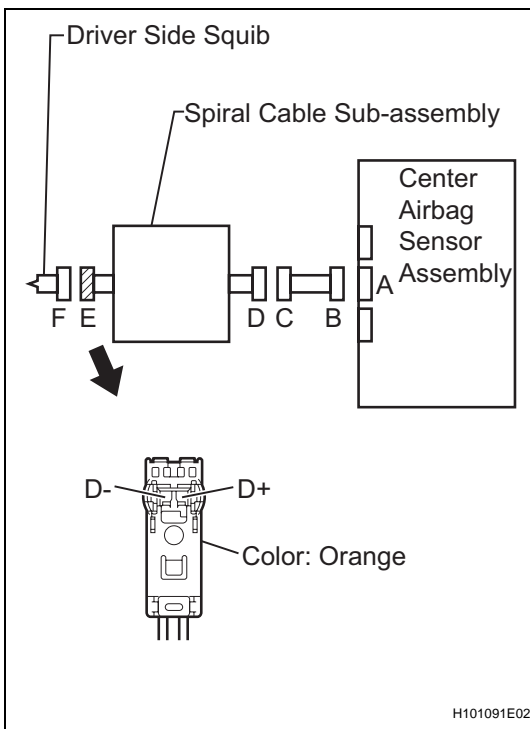
- (e) Measure the voltage according the value(s) in the table below.

Standard voltage

Tester Connection (Connector "C")	Condition	Specified Condition
A13-1 (D+) - Body ground	Ignition switch ON	Below 1 V
A13-2 (D-) - Body ground		

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REPAIR OR REPLACE INSTRUMENT PANEL WIRE

5 CHECK SPIRAL CABLE SUB-ASSEMBLY

OK

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

Standard voltage

Tester Connection (Connector "E")	Condition	Specified Condition
D+ - Body ground	Ignition switch ON	Below 1 V
D- - Body ground		

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REPLACE SPIRAL CABLE SUB-ASSEMBLY