DTC	B1181/18	Open in Driver Side Squib 2nd Step Circuit

DESCRIPTION

The driver side squib 2nd step circuit consists of the center airbag sensor assembly, the spiral cable and the steering pad.
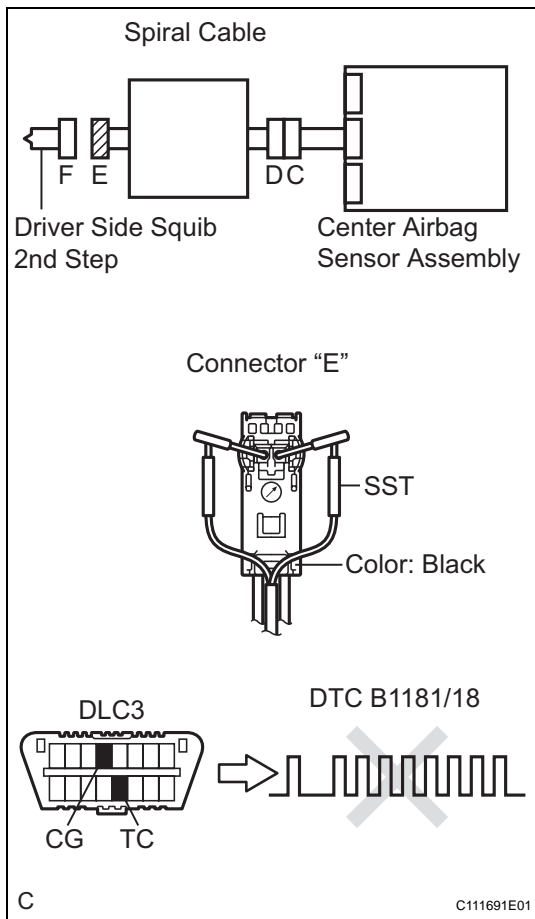
The circuit instructs the SRS to deploy when deployment conditions are met.

DTC B1181/18 is recorded when an open circuit is detected in the driver side squib 2nd step circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B1181/18	• Open circuit in D2+ wire harness or D2- wire harness of driver side squib 2nd step • Driver side squib 2nd step malfunction • Spiral cable malfunction • Center airbag sensor assembly malfunction	• Steering pad (Driver side squib 2nd step) • Spiral cable • Center airbag sensor assembly • Instrument panel wire

RS

WIRING DIAGRAM

See page .

1	CHECK STEERING PAD (DRIVER SIDE SQUIB 2ND STEP)

Spiral Cable

F E   D C

Driver Side Squib 2nd Step

Center Airbag Sensor Assembly

Connector "E"

SST

Color: Black

DLC3

DTC B1181/18

CG   TC

C   C111691E01

(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) Connect the white wire side of SST (resistance 2.1 Ω) to the spiral cable.
  CAUTION:
  Never connect a tester to the steering pad (Driver side squib 2nd step) for measurement, as this may lead to a serious injury due to airbag deployment.
  NOTICE:
  Do not forcibly insert the SST into the terminals of the connector when connecting.
  Insert the SST straight into the terminals of the connector.
  SST   09843-18060
(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 DTCs stored in memory (See page).
(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 the DTCs (See page).
  OK:
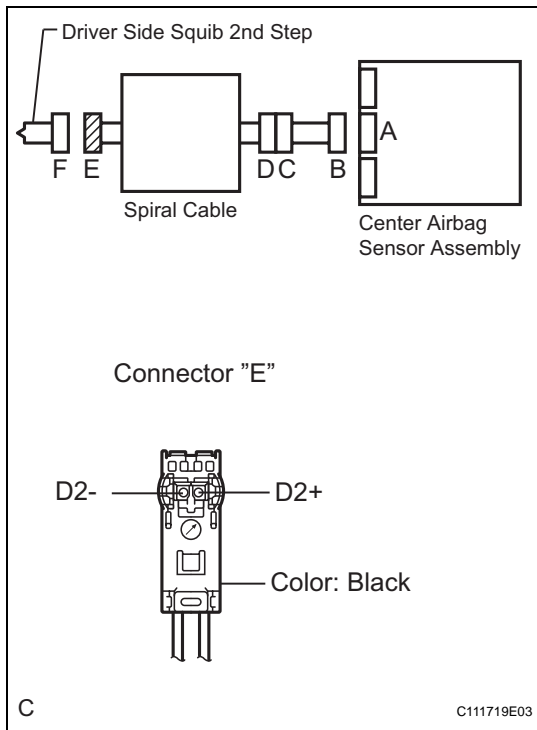 **DTC B1181/18 is not output.**
  HINT:
  Codes other than DTC B1181/18 may be output at this time, but they are not related to this check.

NG	>	Go to step 2

| OK |

REPLACE STEERING PAD

| **2** | **CHECK DRIVER SIDE SQUIB 2ND STEP CIRCUIT** |

Driver Side Squib 2nd Step

F E DC B

Spiral Cable

A

Center Airbag Sensor Assembly

Connector "E"

D2- — D2+

Color: Black

C C111719E03

(a) Disconnect the connector from the center airbag sensor assembly.
(b) Measure the resistance according to the value(s) in the table below.
Resistance

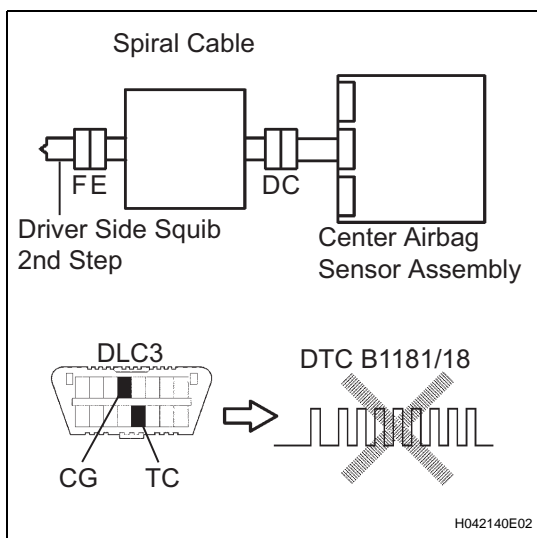| Tester connection	Condition	Specified condition
D2+ - D2-	**Always**	**Below 1 Ω**

| NG | **Go to step 4** |

| OK |

| **3** | **CENTER AIRBAG SENSOR ASSEMBLY** |

Spiral Cable

F E DC

Driver Side Squib 2nd Step

Center Airbag Sensor Assembly

DLC3 DTC B1181/18

CG TC

H042140E02

(a) Connect the connectors to the steering pad and the center airbag sensor assembly.
(b) Connect 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 DTCs stored in memory (See page RS-32).
(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 the DTCs (See page RS-32).
   OK:
   DTC B1181/18 is not output.
   HINT:
   Codes other than DTC B1181/18 may be output at this time, but they are not related to this check.
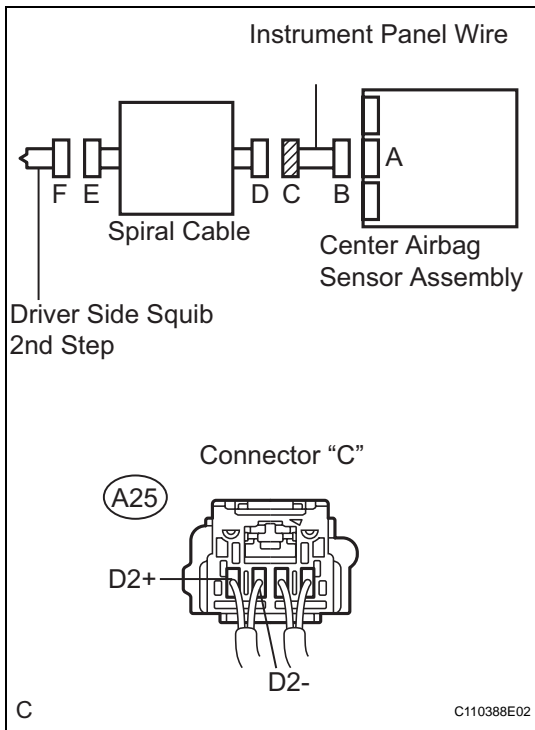
| NG | **REPLACE CENTER AIRBAG SENSOR ASSEMBLY** |

RS

RS

> **OK**

USE SIMULATION METHOD TO CHECK

4	**CHECK INSTRUMENT PANEL WIRE**

Instrument Panel Wire

F E   D C B   A

Spiral Cable

Center Airbag
Sensor Assembly

Driver Side Squib
2nd Step

Connector "C"

(A25)

D2+

D2-

C   C110388E02

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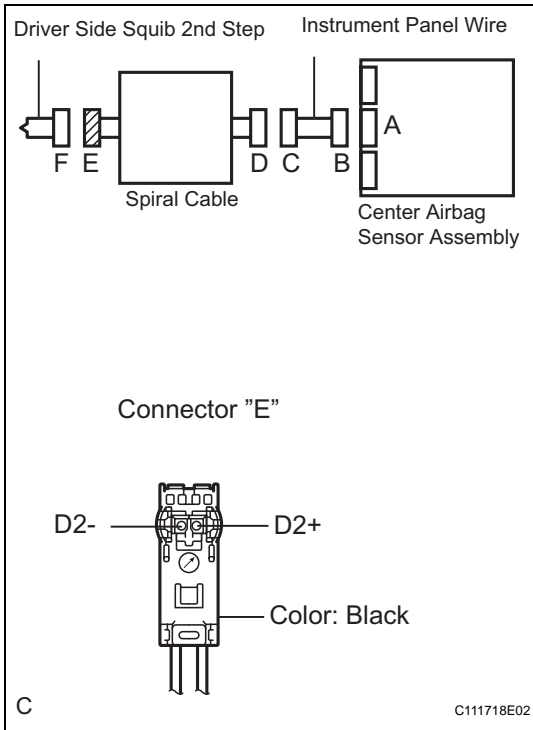   **Resistance**

Tester connection	Condition	Specified condition
A25-4 (D2+) - **A25-3 (D2-)**	**Always**	**Below 1 Ω**

> **NG** | **REPAIR OR REPLACE INSTRUMENT PANEL WIRE** |

> **OK**

5	CHECK SPIRAL CABLE

Driver Side Squib 2nd Step   Instrument Panel Wire

F E   Spiral Cable   D C B   A

Center Airbag
Sensor Assembly

Connector "E"

D2-   D2+

Color: Black

C   C111718E02

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

Resistance

Tester connection	Condition	Specified condition
D2+ - D2-	**Always**	**Below 1 Ω**

NG ▷ | **REPLACE SPIRAL CABLE** |

OK

USE SIMULATION METHOD TO CHECK

RS