RS

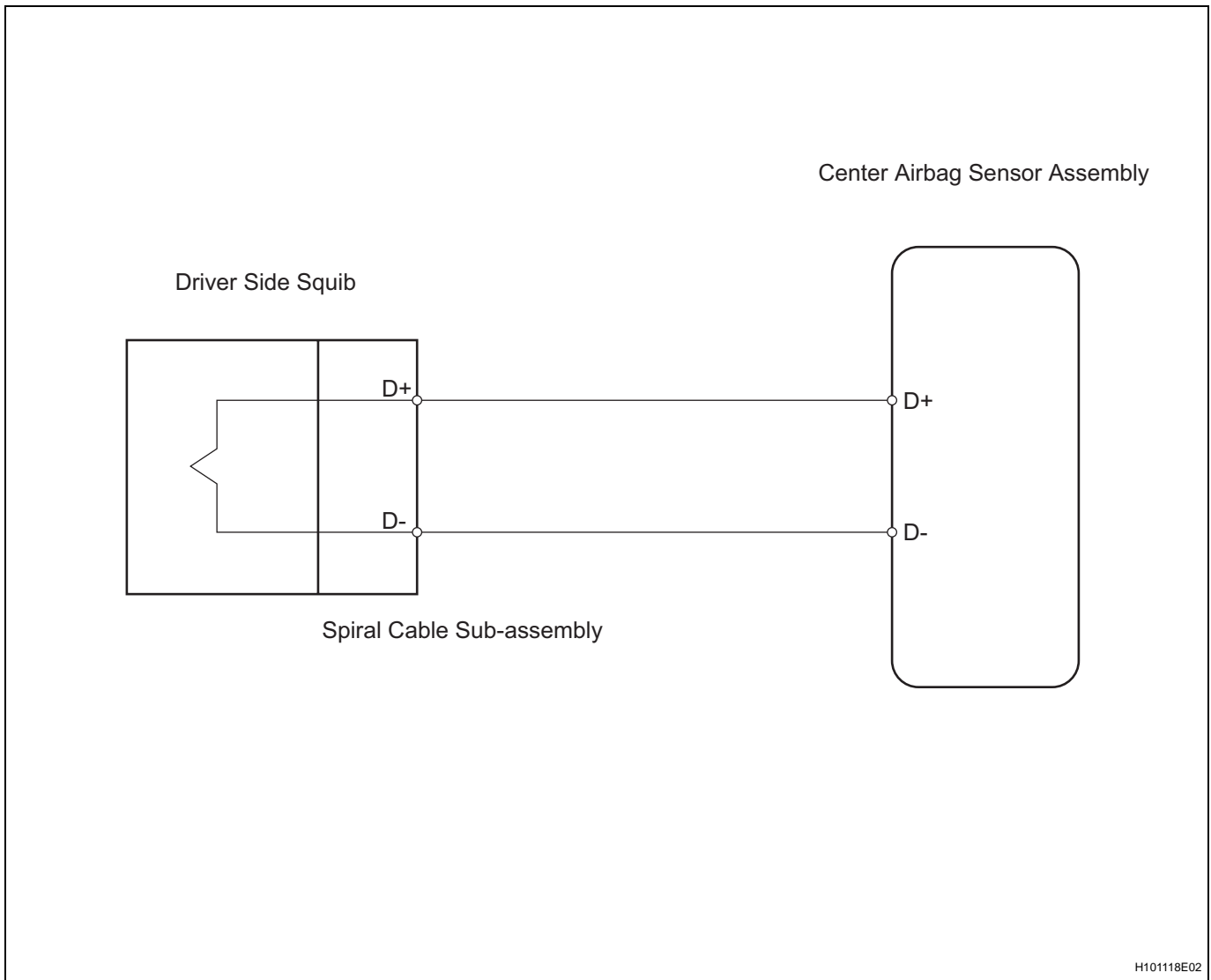| DTC	B0100/13	Short in Driver Side Squib Circuit

DESCRIPTION

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

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

DTC B0100/13 is recorded when a short circuit is detected in the driver side squib circuit.

DTC No.	DTC Detection Condition	Trouble Area
B100/13	• Short circuit between D+ wire harness and D- wire harness of driver side squib • Driver side squib malfunction • Spiral cable sub-assembly malfunction • Center airbag sensor assembly malfunction	• Steering pad (driver side squib) • Spiral cable sub-assembly • Center airbag sensor assembly • Instrument panel wire

WIRING DIAGRAM

H101118E02

RS

| 1 | CHECK SPIRAL CABLE SUB-ASSEMBLY |

(a) Turn the ignition switch to LOCK.
(b) Disconnect the negative (-) battery 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 connectors (on the steering pad) are 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 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
D+ - D-	1 MΩ or higher

NG ▷ | Go to step 5 |

Driver Side Squib
Spiral Cable Sub-assembly
Center Airbag Sensor Assembly
A
F E   D C   B
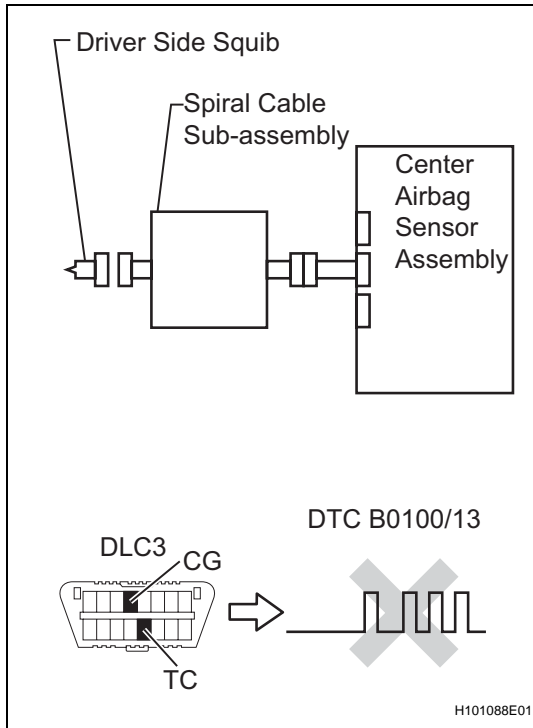D-   D+
Color: Orange
H101087E01
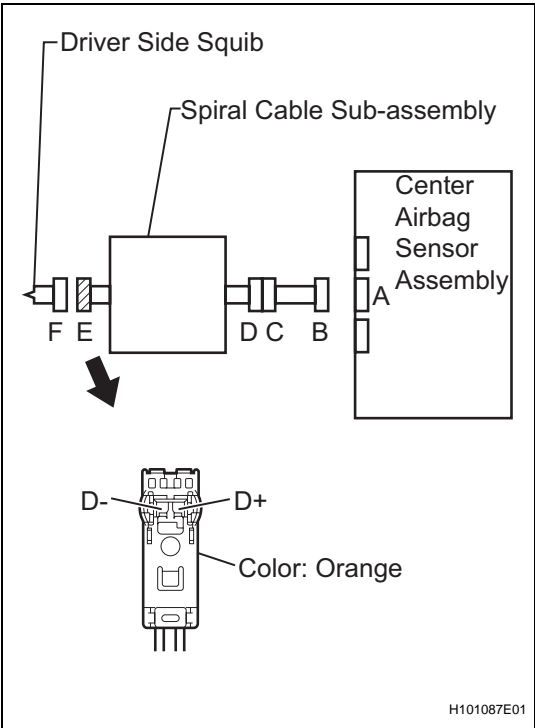
OK

| 3 | CHECK CENTER AIRBAG SENSOR ASSEMBLY |

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

RS

(b) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.

(c) Turn the ignition switch 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:

B0100/13 is not output.

HINT:

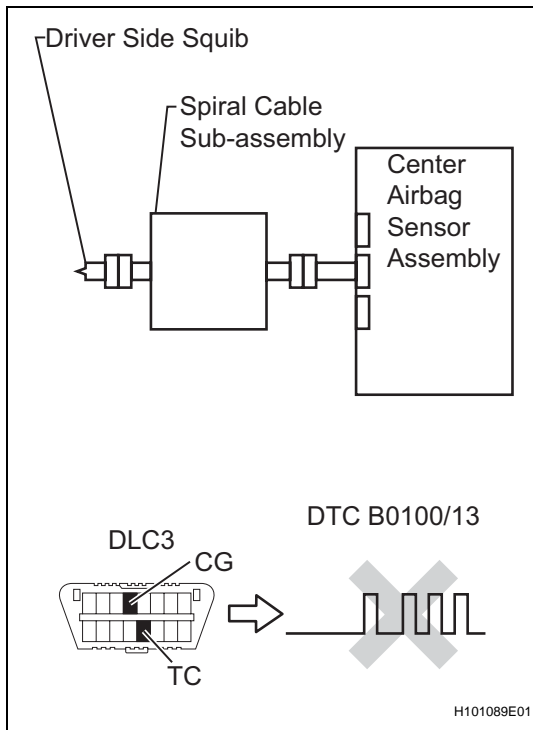Codes other than code B0100/13 may be output at this time, but they are not related to this check.

| NG > | **REPLACE CENTER AIRBAG SENSOR ASSEMBLY** |

Driver Side Squib

Spiral Cable Sub-assembly

Center Airbag Sensor Assembly

DTC B0100/13

DLC3 CG

TC

H101088E01

| OK |

| **4** | **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) 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.

RS

Driver Side Squib

Spiral Cable
Sub-assembly

Center
Airbag
Sensor
Assembly

DTC B0100/13

DLC3
CG

TC

H101089E01

(i) Check for the DTCs (see page RS-21).
OK:
  B0100/13 is not output.
HINT:
Codes other than code B0100/13 may be output at this time, but they are not related to this check.

| NG | REPLACE STEERING PAD |

OK

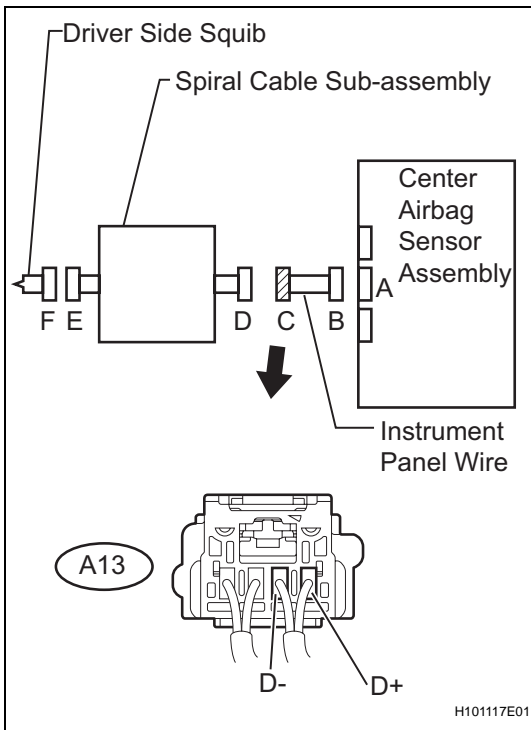| PROBLEM SYMPTOMS SIMULATION |

| **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.

Driver Side Squib

Spiral Cable Sub-assembly

Center Airbag Sensor Assembly

F E   D C B   A

Instrument Panel Wire

A13

D-   D+

H101117E01

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

Tester Connection (Connector "C")	Specified Condition
A13-1 (D+) - A13-2 (D-)	1 MΩ or higher

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

OK

6	**CHECK SPIRAL CABLE SUB-ASSEMBLY**

Driver Side Squib

Spiral Cable Sub-assembly

Center Airbag Sensor Assembly

F E   D C B   A

D-   D+

Color: Orange

H101091E02

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

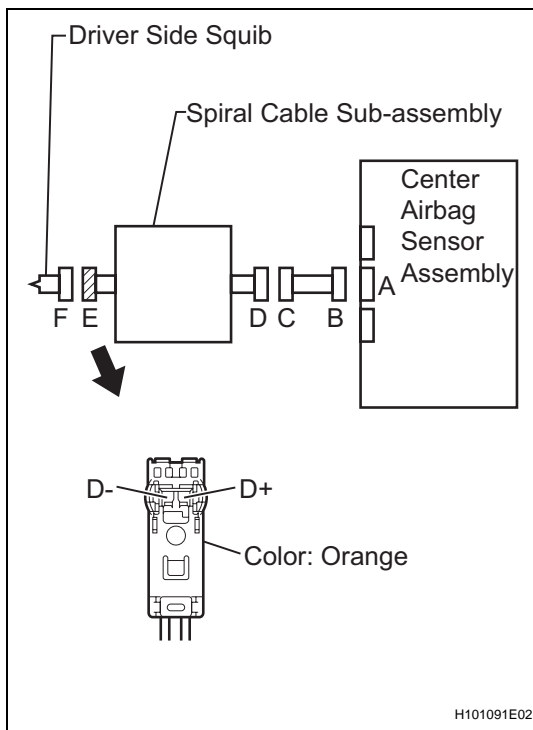(b) Measure the resistance according to the value(s) in the table below.
Standard resistance

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

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

OK

PROBLEM SYMPTOMS SIMULATION