

DTC	B1183/22	SHORT IN D SQUIB (DUAL STAGE - 2ND STEP) CIRCUIT (TO B+)
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CIRCUIT DESCRIPTION

The D squib (Dual stage - 2nd step) circuit consists of the airbag sensor assy center, the spiral cable sub-assy and the horn button assy.

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

DTC B1183/22 is recorded when a short to B+ is detected in the D squib (Dual stage - 2nd step) circuit.

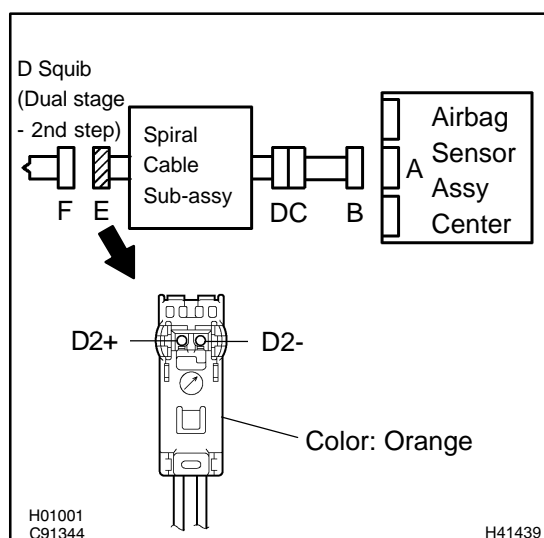
DTC No.	DTC Detecting Condition	Trouble Area
B1183/22	<ul style="list-style-type: none"> • Short circuit in D squib (Dual stage - 2nd step) wire harness (to B+) • D squib (Dual stage - 2nd step) malfunction • Spiral cable sub-assy malfunction • Airbag sensor assy center malfunction 	<ul style="list-style-type: none"> • Horn button assy (D squib, Dual stage - 2nd step) • Spiral cable sub-assy • Airbag sensor assy center • Cowl wire

WIRING DIAGRAM

see page 05-1416 .

CIRCUIT INSPECTION

1	CHECK D SQUIB CIRCUIT(DUAL STAGE - 2ND STEP, AIRBAG SENSOR ASSY CENTER - HORN BUTTON ASSY)
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- 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 connectors from the airbag sensor assy center and the horn button assy.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the ignition switch to the ON position.
- Measure the voltage according to the value(s) in the table below.

Standard:

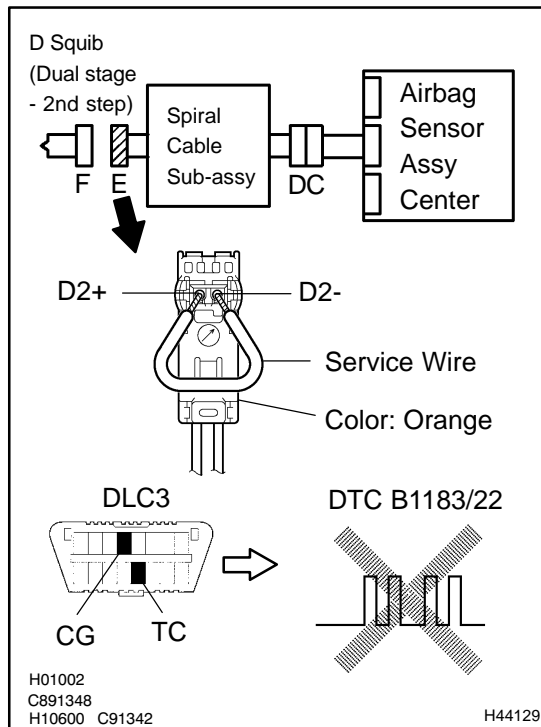
Tester connection	Condition	Specified condition
D2+ - Body ground	Ignition switch ON	Below 1 V
D2- - Body ground	Ignition switch ON	Below 1 V

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Go to step 4

OK

2 CHECK AIR BAG SENSOR ASSY CENTER



- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Connect the connector to the airbag sensor assy center.
- Using a service wire, connect D2+ and D2- of connector "E".

NOTICE:

- Twist the end of the service wire in order to insert it into the connector.
 - Do not forcibly insert the twisted service wire into the terminals of the connector when connecting.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
 - Turn the ignition switch to the ON position, and wait for at least 60 seconds.
 - Clear the DTCs stored in memory (see page 05-1215).
 - Turn the ignition switch to the LOCK position.
 - Turn the ignition switch to the ON position, and wait for at least 60 seconds.
 - Check the DTCs (see page 05-1215).

OK:

DTC B1183/22 is not output.

HINT:

Codes other than code B1183/22 may be output at this time, but they are not related to this check.

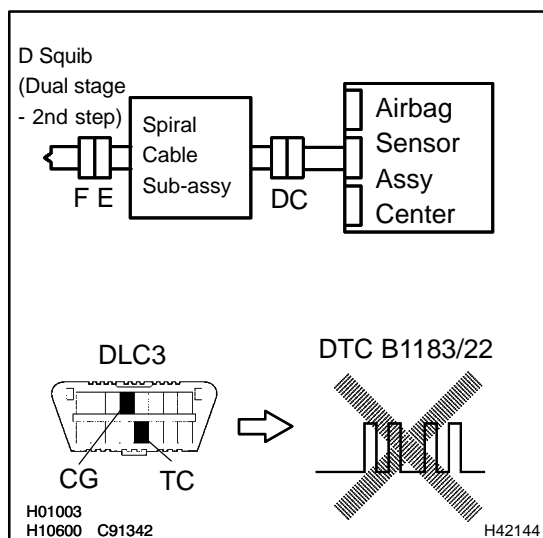
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**REPLACE AIR BAG SENSOR ASSY CENTER
(SEE PAGE 60-53)**

OK

3

CHECK HORN BUTTON ASSY(D SQUIB, DUAL STAGE - 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 connector "E".
- (d) Connect the connectors to the horn button assy.
- (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 05-1215).
- (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 05-1215).

OK:**DTC B1183/22 is not output.****HINT:**

Codes other than code B1183/22 may be output at this time, but they are not related to this check.

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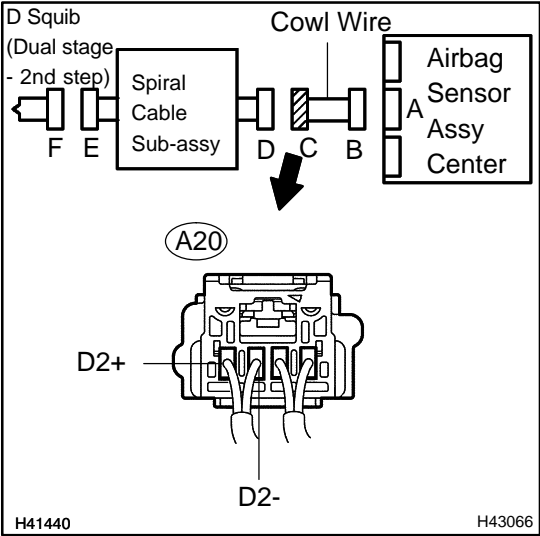
**REPLACE HORN BUTTON ASSY
(SEE PAGE 60-17)**

OK**USE SIMULATION METHOD TO CHECK****HINT:**

- Before performing the simulation method, check that the airbag sensor assy center is in check mode (see page 05-1218).
- Perform the simulation method by selecting the check mode with the hand-held tester (see page 05-1218).
- After selecting the check mode, perform the simulation method by wiggling each connector of the air-bag system or driving the vehicle on a city or rough road (see page 05-1218).

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CHECK COWL WIRE



- (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 cowl wire connector from the spiral cable sub-assy .
- (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.
- (f) Measure the voltage according to the value(s) in the table below.

Standard:

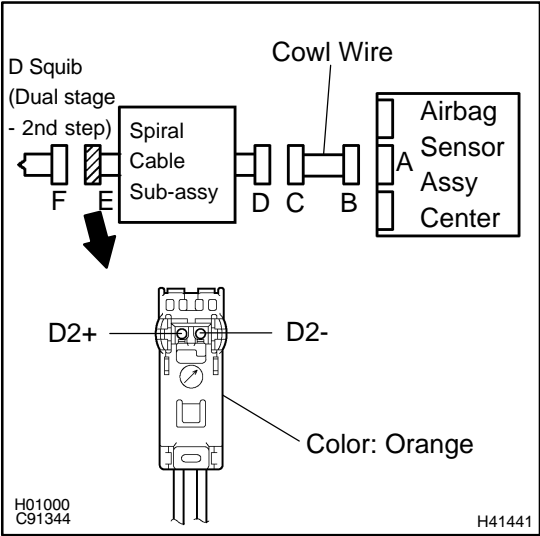
Tester connection	Condition	Specified condition
A20-4 (D2+) - Body ground	Ignition switch ON	Below 1 V
A20-3 (D2-) - Body ground	Ignition switch ON	Below 1 V

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REPAIR OR REPLACE COWL WIRE

OK

5 CHECK SPIRAL CABLE SUB-ASSY



(a) Measure the voltage according to the value(s) in the table below when the ignition switch remains in the ON position.

Standard:

Tester connection	Condition	Specified condition
D2+ - Body ground	Ignition switch ON	Below 1 V
D2- - Body ground	Ignition switch ON	Below 1 V

NG **REPLACE SPIRAL CABLE SUB-ASSY (SEE PAGE 60-26)**

OK

USE SIMULATION METHOD TO CHECK

HINT:

- Before performing the simulation method, check that the airbag sensor assy center is in check mode (see page 05-1218).
- Perform the simulation method by selecting the check mode with the hand-held tester (see page 05-1218).
- After selecting the check mode, perform the simulation method by wiggling each connector of the air-bag system or driving the vehicle on a city or rough road (see page 05-1218).