

DTC	B0107/51	Short to GND in Front Passenger Side Squib Circuit
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DESCRIPTION

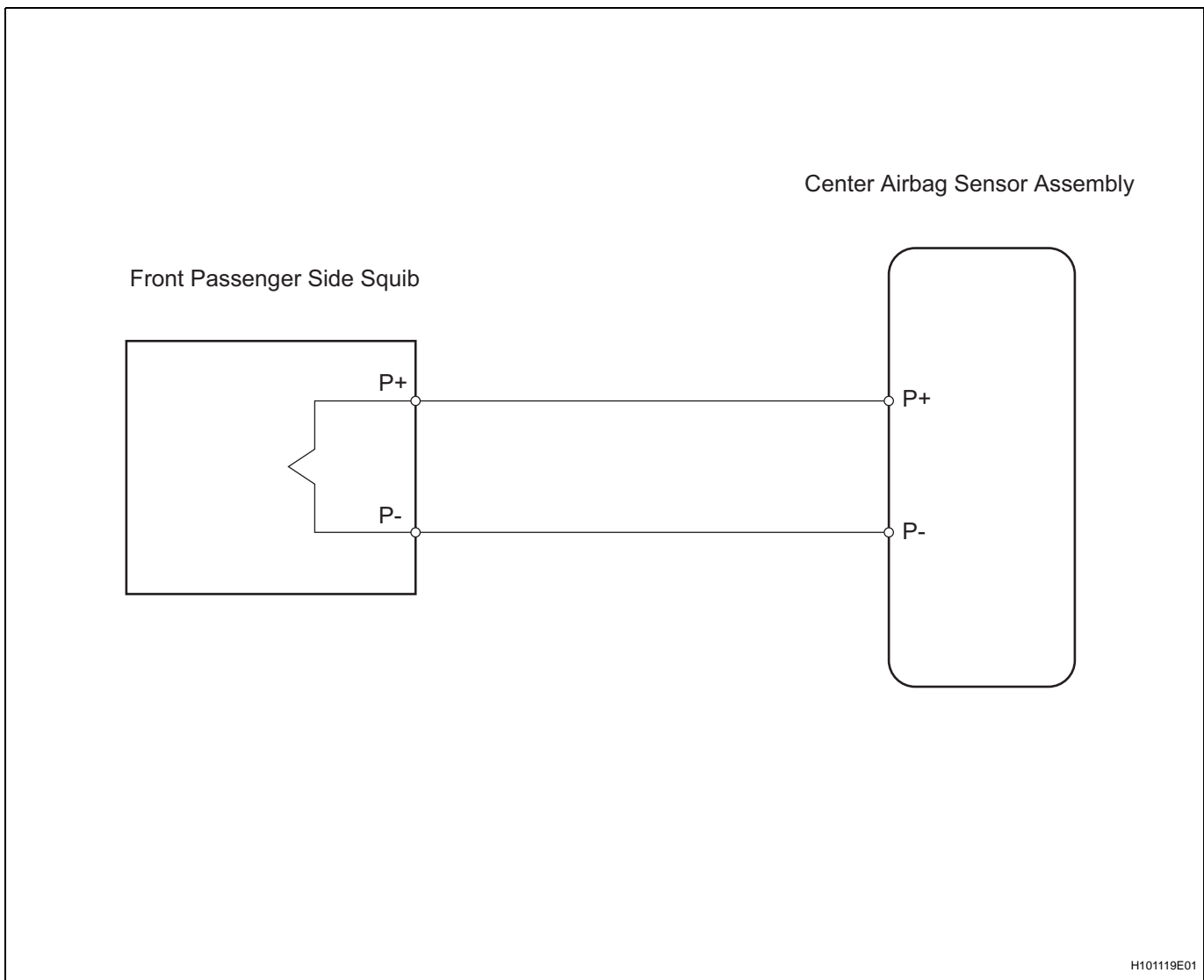
The front passenger side squib circuit consists of the center airbag sensor assembly and the front passenger airbag assembly.

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

DTC B0107/51 is recorded when a short to ground is detected in the front passenger side squib circuit.

DTC No.	DTC Detection Condition	Trouble Area
B0107/51	<ul style="list-style-type: none"> • Short circuit in front passenger squib wire harness (to +B) • Front passenger side squib malfunction • Center airbag sensor assembly malfunction 	<ul style="list-style-type: none"> • Front passenger airbag assembly (front passenger side squib) • Center airbag sensor assembly • Instrument panel wire

WIRING DIAGRAM



1 CHECK INSTRUMENT PANEL WIRE (FRONT PASSENGER SIDE SQUIB CIRCUIT)

RS

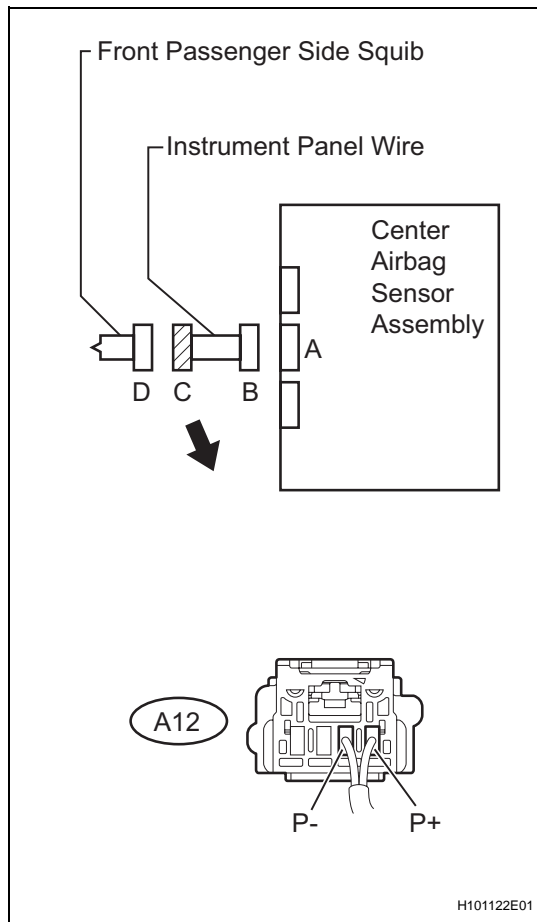
- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Disconnect the connectors from the center airbag sensor assembly and the front passenger airbag assembly.
- (d) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection (Connector "C")	Specified Condition
A12-1 (P+) - Body ground	1 MΩ or higher
A12-2 (P-) - Body ground	

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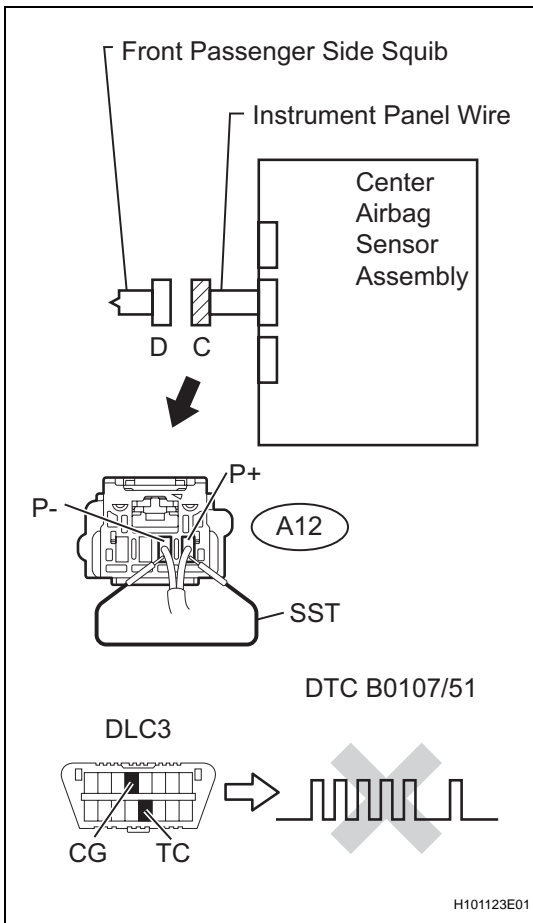
REPAIR OR REPLACE INSTRUMENT PANEL WIRE



OK

2 CHECK CENTER AIRBAG SENSOR ASSEMBLY

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



- (b) Using SST, connect terminals P+ and P- of connector "C".

SST 09843-18030

NOTICE:

Do not forcibly insert SST 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 B0107/51 is not output.

HINT:

Codes other than code B0107/51 may be output at this time, but they are not related to this check.

NG **REPLACE CENTER AIRBAG SENSOR ASSEMBLY**

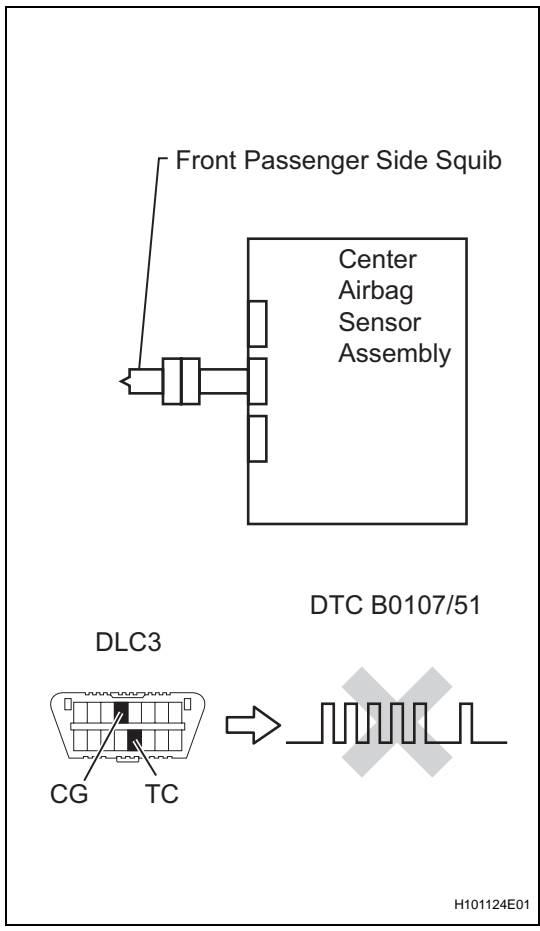
OK

3 CHECK FRONT PASSENGER AIRBAG 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) Disconnect the SST from the connector "C".
- (d) Connect the connector to the front passenger airbag assembly.
- (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

RS



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

OK:

DTC B0107/51 is not output.

HINT:

Codes other than code B0107/51 may be output at this time, but they are not related to this check.

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REPLACE FRONT PASSENGER AIRBAG ASSEMBLY

OK

PROBLEM SYMPTOMS SIMULATION