

DTC	B0107/51	SHORT IN P SQUIB CIRCUIT (TO GROUND)
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CIRCUIT DESCRIPTION

The P squib circuit consists of the airbag sensor assy center and the instrument panel passenger airbag assy.

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 P squib circuit.

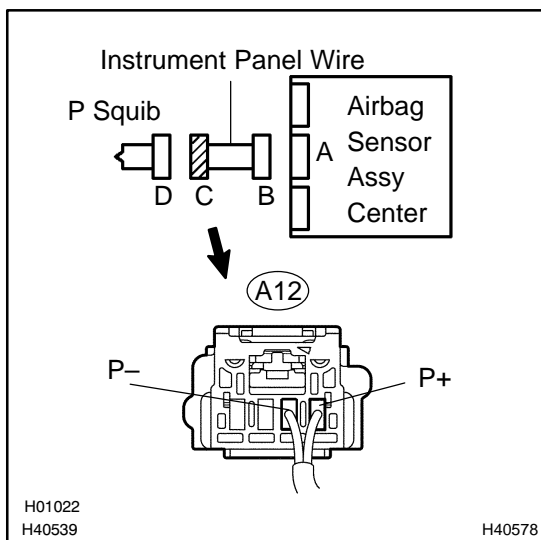
DTC No.	DTC Detecting Condition	Trouble Area
B0107/51	<ul style="list-style-type: none"> • Short circuit in P squib wire harness (to ground) • P squib malfunction • Airbag sensor assy center malfunction 	<ul style="list-style-type: none"> • Instrument panel passenger airbag assy (P squib) • Airbag sensor assy center • Instrument panel wire

WIRING DIAGRAM

See page 05-481.

INSPECTION PROCEDURE

1	CHECK INSTRUMENT PANEL WIRE(P SQUIB CIRCUIT)
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- (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 airbag sensor assy center and the instrument panel passenger airbag assy.
- (d) Measure the resistance according to the value(s) in the table below.

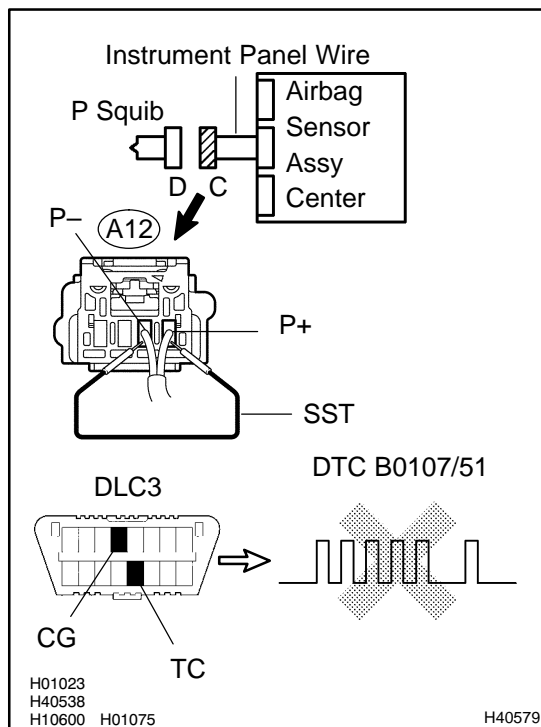
Standard:

Tester connection (Connector "C")	Condition	Specified condition
A12-1 (P+) - Body ground	Always	1 MΩ or Higher
A12-2 (P-) - Body ground	Always	1 MΩ or Higher

NG	REPAIR OR REPLACE INSTRUMENT PANEL WIRE
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OK

2 CHECK AIR BAG SENSOR ASSY CENTER



- Connect the connector to the airbag sensor assy center.
- Using SST, connect terminals P+ and P- of connector "C".

SST 09843-18040

NOTICE:

Do not forcibly insert SST 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 stored DTCs in the memory (See page 05-453).
- 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 05-453).

OK:

DTC B0107/51 is not output.

HINT:

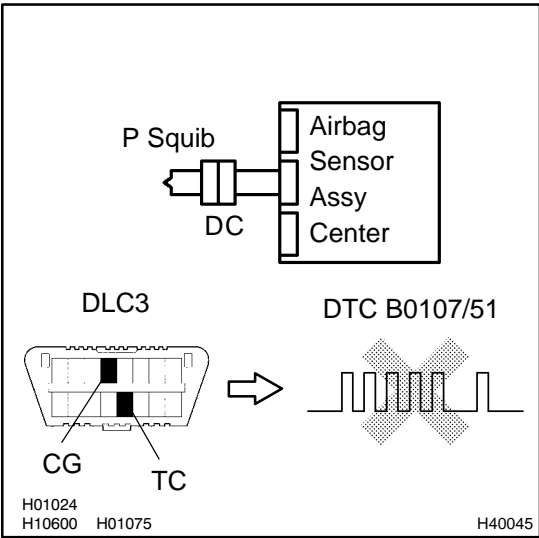
Codes other than code B0107/51 may be output at this time, but they are not related to this check.

NG

REPLACE AIR BAG SENSOR ASSY CENTER

OK

3 CHECK INSTRUMENT PANEL PASSENGER AIR BAG ASSY(P 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 SST from the connector "C".
- (d) Connect the connector to the instrument panel passenger airbag 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 stored DTCs in the memory (See page 05-453).
- (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 05-453).

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 INSTRUMENT PANEL PASSENGER AIR BAG ASSY**

OK

4 USE SIMULATION METHOD TO CHECK

NG → **Go to step 1**

OK

REPLACE ALL SRS COMPONENTS INCLUDING WIRE HARNESS