

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 front passenger airbag assy. The 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.

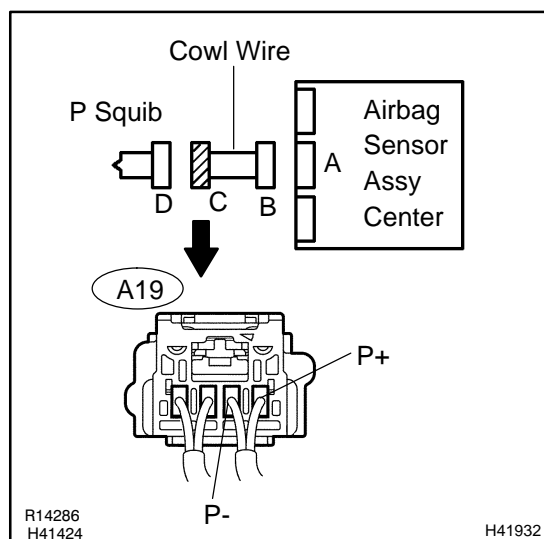
DTC No.	DTC Detecting Condition	Trouble Area
B0107/51	<ul style="list-style-type: none"> • Short circuit in P squib wire harness (to ground) • P squib malfunction • Airbag sensor assy center malfunction 	<ul style="list-style-type: none"> • Front passenger airbag assy (P squib) • Airbag sensor assy center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

WIRING DIAGRAM

see page 05-1251 .

INSPECTION PROCEDURE

1 CHECK COWL WIRE(P SQUIB CIRCUIT)



- 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 front passenger airbag assy.
- Measure the resistance according to the value(s) in the table below.

Standard:

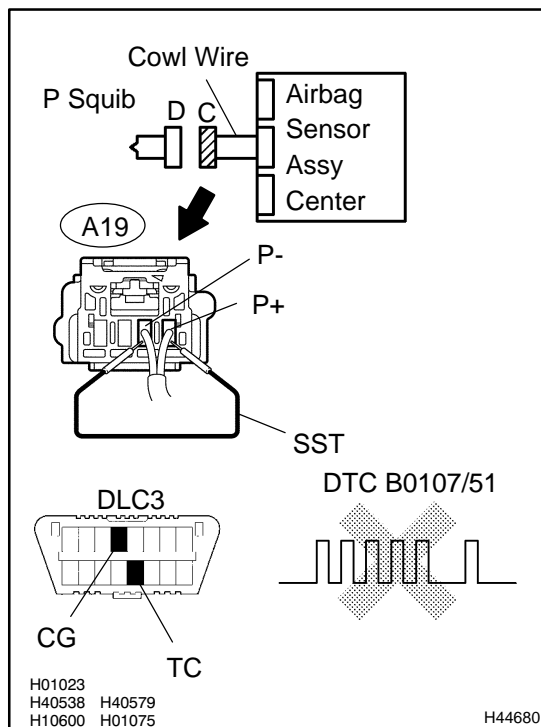
Tester connection	Condition	Specified condition
A19-1 (P+) - Body ground	Always	1 MΩ or Higher
A19-2 (P-) - Body ground	Always	1 MΩ or Higher

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REPAIR OR REPLACE COWL WIRE

OK

2 CHECK AIR BAG SENSOR ASSY CENTER



- Connect the connector to the airbag sensor assy center.
- Using SST, connect A19-1 (P+) and A19-2(P-) of connector "C".
SST 09843-18040
- 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 B0107/51 is not output.

HINT:

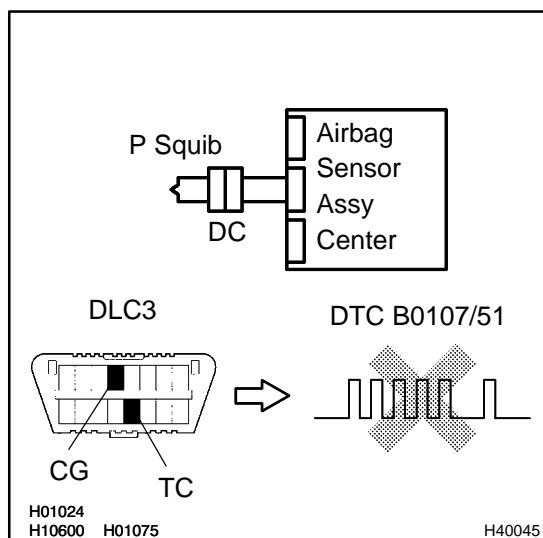
Codes other than code B0107/51 may be output at this time, but they are not related to this check.

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

OK

3 CHECK FRONT PASSENGER AIRBAG ASSY(P SQUIB)



- 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 SST from connector "C".
- Connect the connector to the front passenger airbag assy.
- 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 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 ASSY
(SEE PAGE 60-29)**

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).