

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

CIRCUIT DESCRIPTION

The P-squib circuit consists of the airbag sensor Assy center and Instr PNL Pass L/door airbag Assy. It causes the SRS to deploy when the SRS deployment conditions are satisfied.

DTC B0107/51 is recorded when a ground short is detected in the P-squib circuit.

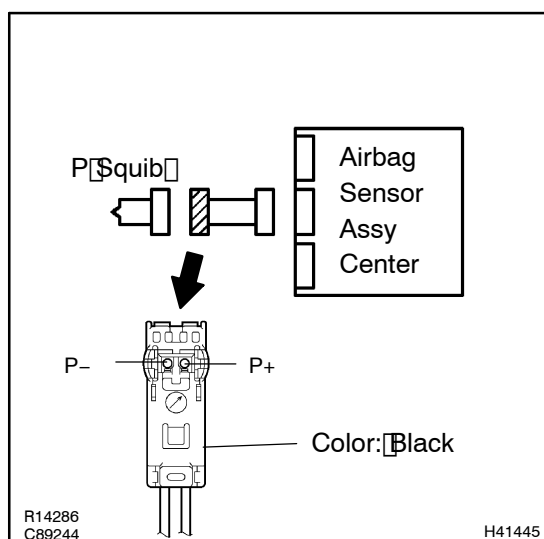
DTC No.	DTC Detecting Condition	Trouble Area
B0107/51	<ul style="list-style-type: none"> Short circuit in P-squib wire harness (to ground) P-squib malfunction Airbag sensor Assy center malfunction 	<ul style="list-style-type: none"> Instr PNL Pass L/door airbag Assy (P-squib) Airbag sensor Assy center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

WIRING DIAGRAM

See page 05-787.

INSPECTION PROCEDURE

1 CHECK P-SQUIB CIRCUIT (AIRBAG SENSOR ASSY CENTER - INSTR PNL PASS L/DOOR AIRBAG ASSY)



- Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- Disconnect the connectors between the airbag sensor Assy center and the Instr PNL Pass L/door airbag Assy.
- For the black connector (on the Instr PNL Pass L/door airbag Assy side) between the airbag sensor Assy center and the Instr PNL Pass L/door airbag Assy, measure the resistance between P+ and body ground.

OK:

Resistance: 1 MΩ or Higher

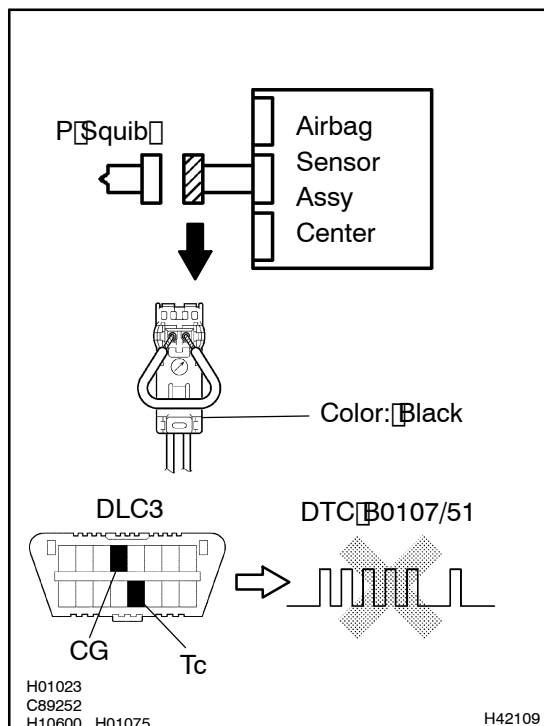
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REPAIR OR REPLACE WIRE HARNESS (AIRBAG SENSOR ASSY CENTER - INSTR PNL PASS L/DOOR AIRBAG ASSY)

OK

2 CHECK AIR BAG SENSOR ASSY CENTER

SST 09843-18040



- Connect the connector to the airbag sensor assy center.
- Using a service wire, connect P+ and P- of the black connector (on the instr pnl pass/door airbag assy side) between the airbag sensor assy center and the instr pnl pass/door airbag assy.
- Connect the negative (-) terminal cable to the battery, and wait at least for 2 seconds.
- Turn the ignition switch to ON, and wait at least for 20 seconds.
- Clear the DTC stored in memory (See page 05-758).
- Turn the ignition switch to LOCK, and wait at least for 20 seconds.
- Turn the ignition switch to ON, and wait at least for 20 seconds.
- Check the DTC (See page 05-758).

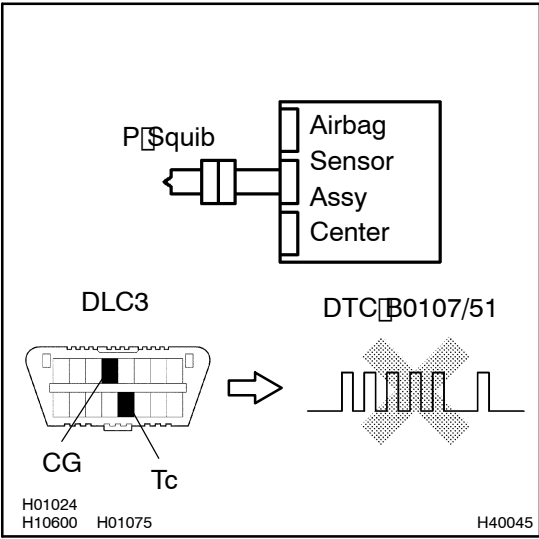
OK:**DTC B0107/51 is not output.****HINT:**

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

NG**REPLACE AIR BAG SENSOR ASSY CENTER****OK**

3 CHECK P-SQUIB

SST 09843-18040



- (a) Turn the Ignition switch to LOCK.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- (c) Connect the Instr PNL Pass L/door airbag Assy connectors.
- (d) Connect the negative (-) terminal cable to the battery, and wait at least for 2 seconds.
- (e) Turn the Ignition switch to ON, and wait at least for 20 seconds.
- (f) Clear the DTC stored in memory (See page 05-758).
- (g) Turn the Ignition switch to LOCK, and wait at least for 20 seconds.
- (h) Turn the Ignition switch to ON, and wait at least for 20 seconds.
- (i) Check the DTC (See page 05-758).

OK:

DTC B0107/51 is not output.

HINT:

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

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REPLACE INSTR PNL PASS L/DOOR AIR BAG ASSY

OK

4 USE SIMULATION METHOD TO CHECK

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Go to step 1

OK

REPLACE ALL SRS COMPONENTS INCLUDING THE WIRE HARNESS