

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

CIRCUIT DESCRIPTION

The P squib circuit consists of the airbag sensor assy center and instrument panel passenger airbag assy. It causes the SRS to deploy when the SRS deployment conditions are satisfied.

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

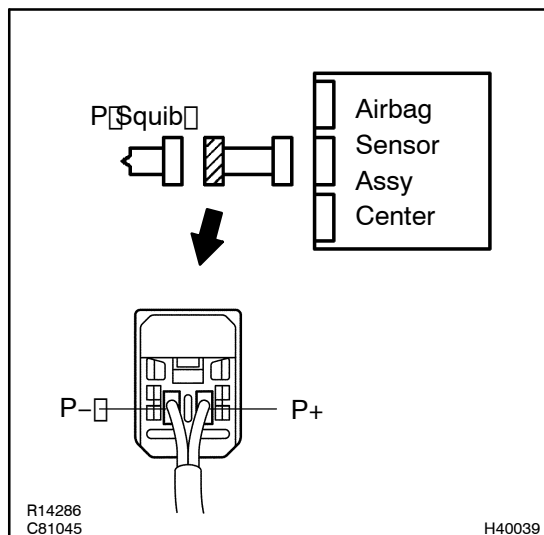
DTC No.	DTC Detecting Condition	Trouble Area
B0107/51	<ul style="list-style-type: none"> Short circuit in P squib wire harness (to ground) P squib malfunction Airbag sensor assy center malfunction 	<ul style="list-style-type: none"> Instrument panel passenger airbag assy (P squib) Airbag sensor assy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

WIRING DIAGRAM

See page 05-432.

INSPECTION PROCEDURE

1 CHECK P SQUIB CIRCUIT



- 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 instrument panel passenger airbag assy.
- For the connector (on the instrument panel passenger airbag assy side) between the instrument panel passenger airbag assy and the airbag sensor assy center, measure the resistance between P+ and body ground.

OK:

Resistance: 1 MΩ or Higher

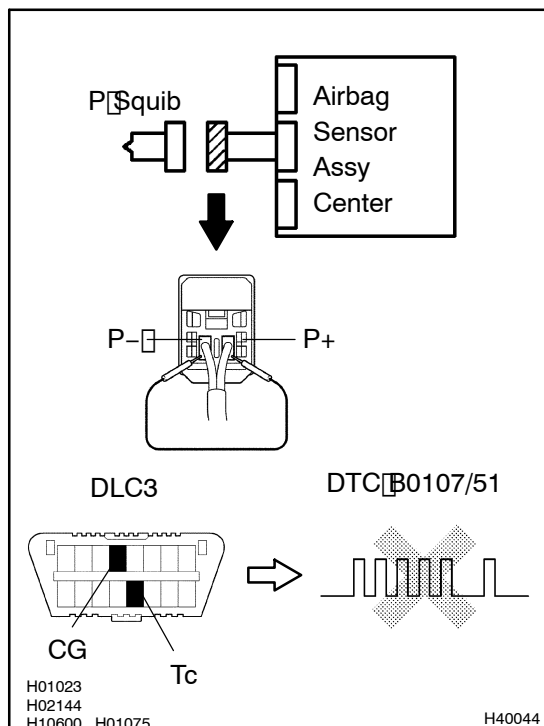
NG

REPAIR OR REPLACE INSTRUMENT PANEL WIRE

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 connector (on the instrument panel passenger airbag assy side) between the instrument panel passenger airbag assy and the airbag sensor assy center.
- 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 05-403).
- 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 05-403).

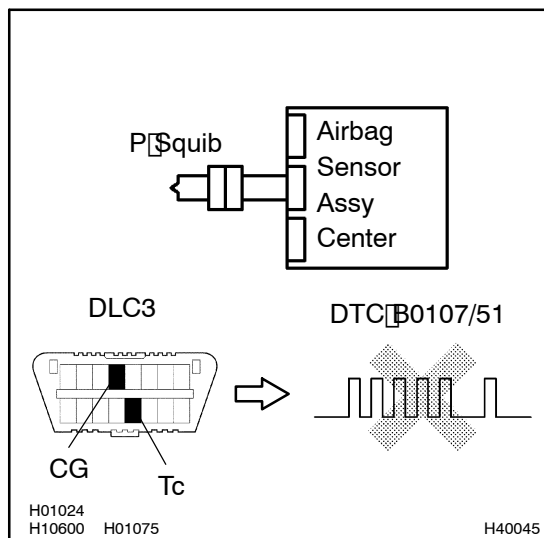
OK:**DTC B0107/51 is not output.****HINT:**

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



- Turn the ignition switch to LOCK.
- Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- Connect the instrument panel passenger air bag assy connector.
- 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 05-403).
- 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 05-403).

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 INSTRUMENT PANEL PASSENGER AIR BAG ASSY****OK**

4 USE SIMULATION METHOD TO CHECK

NG**Go to step 1****OK****REPLACE ALL SRS COMPONENTS INCLUDING THE WIRE HARNESS**