

<b>DTC</b>	<b>B0107/51</b>	<b>SHORT IN P SQUIB CIRCUIT (TO GROUND)</b>
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### 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.

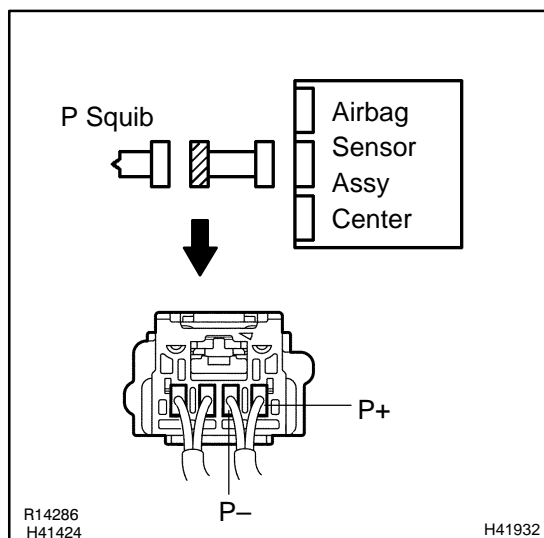
DTC No.	DTC Detecting Condition	Trouble Area
B0107/51	<ul style="list-style-type: none"> <li>• Short circuit in P squib wire harness (to ground)</li> <li>• P squib malfunction</li> <li>• Airbag sensor assy center malfunction</li> </ul>	<ul style="list-style-type: none"> <li>• Instrument panel passenger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

### WIRING DIAGRAM

See page 05-453.

### INSPECTION PROCEDURE

<b>1</b>	<b>CHECK P SQUIB CIRCUIT(AIRBAG SENSOR ASSY CENTER – INSTRUMENT PANEL PASSENGER AIRBAG ASSY)</b>
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- (a) Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- (b) Disconnect the connectors between the airbag sensor assy center and the instrument panel passenger airbag assy.
- (c) For the connector (on the instrument panel passenger airbag assy side) between the airbag sensor assy center and the instrument panel passenger airbag assy, measure the resistance between P+ and body ground.

**OK:**

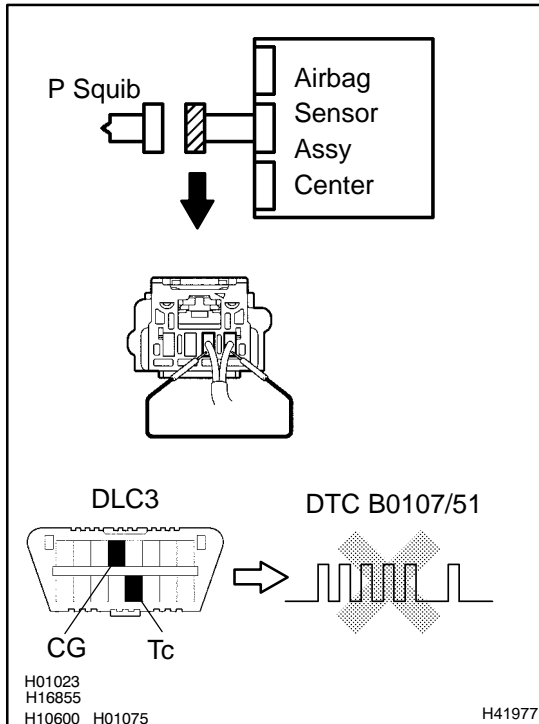
**Resistance: 1 MΩ or Higher**

<b>NG</b>	<b>REPAIR OR REPLACE INSTRUMENT PANEL WIRE</b>
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<b>OK</b>
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## 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 airbag sensor assy center and the instrument panel passenger 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 05-424).
- 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 05-424).

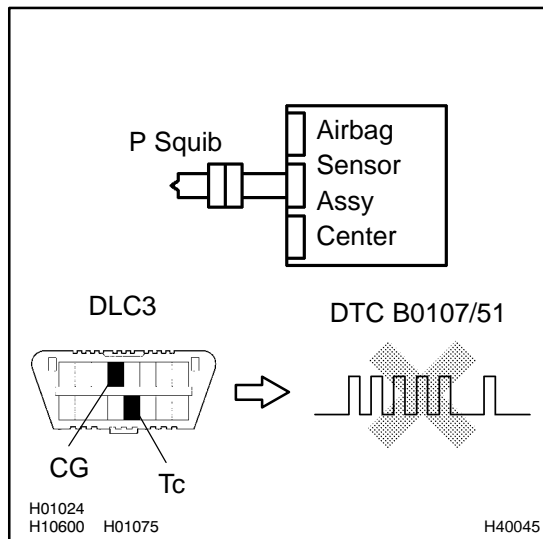
**OK:****DTC B0107/51 is not output.****HINT:**

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 airbag 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 05-424).
- 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 05-424).

**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**