

<b>DTC</b>	<b>B1187/55</b>	<b>SHORT IN P SQUIB (2ND STEP) CIRCUIT (TO GROUND)</b>
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## CIRCUIT DESCRIPTION

The P squib (2nd step) circuit consists of the airbag sensor assy center and the instr pnl pass l/door airbag assy.

It causes the SRS to deploy when the SRS deployment conditions are satisfied.

DTC B1187/55 is recorded when ground short is detected in the P squib (2nd step) circuit.

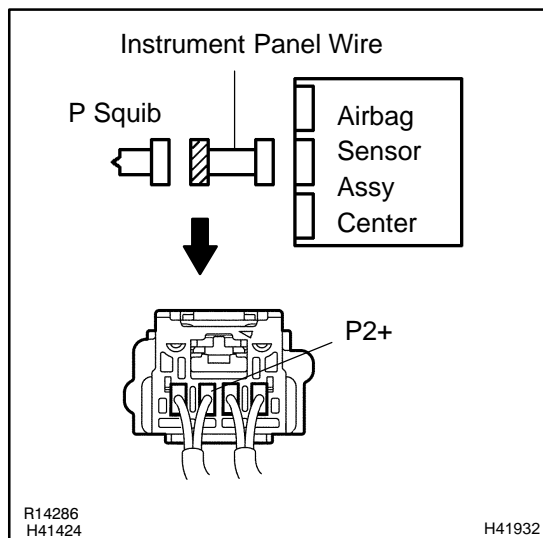
DTC No.	DTC Detecting Condition	Trouble Area
B1187/55	<ul style="list-style-type: none"> <li>• Short in P squib (2nd step) circuit (to ground)</li> <li>• P squib (2nd step) malfunction</li> <li>• Airbag sensor assy center malfunction</li> </ul>	<ul style="list-style-type: none"> <li>• Instr pnl pass l/door airbag assy (P squib, 2nd step)</li> <li>• Airbag sensor assy center</li> <li>• Instrument panel wire</li> </ul>

## WIRING DIAGRAM

See page 05-796 .

## INSPECTION PROCEDURE

<b>1</b>	<b>CHECK INSTRUMENT PANEL WIRE(P SQUIB (2ND STEP) CIRCUIT)</b>
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- Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- Disconnect the instrument panel wire connectors from the airbag sensor assy center and the instr pnl pass l/door airbag assy.
- Measure the resistance between the body ground and P2+ of the orange instrument panel wire connector on the instr pnl pass l/door airbag assy side.

**OK:**

**Resistance: 1 MΩ or Higher**

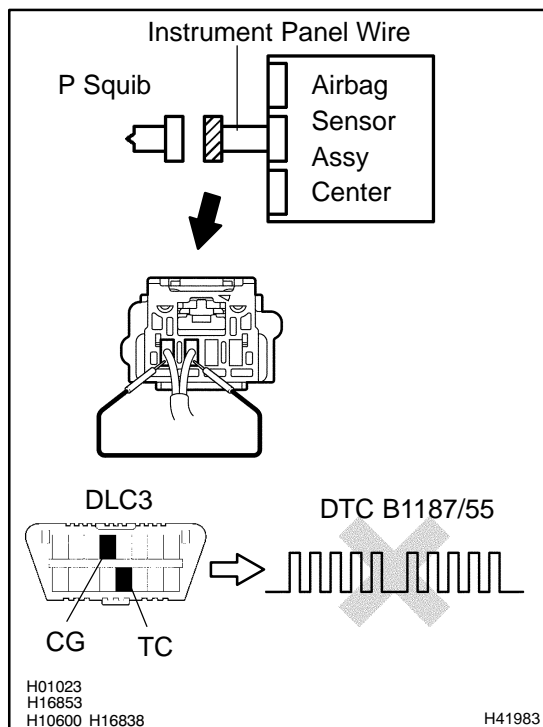
**NG**

**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 P2+ and P2- of the orange instrument panel wire connector on the instr pnl pass l/ door airbag assy side.
- 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 10 seconds.
- Clear the DTC stored in memory (See page 05-614 ).
- Turn the ignition switch to LOCK, and wait at least for 10 seconds.
- Turn the ignition switch to ON, and wait at least for 10 seconds.
- Check the DTC (See page 05-614 ).

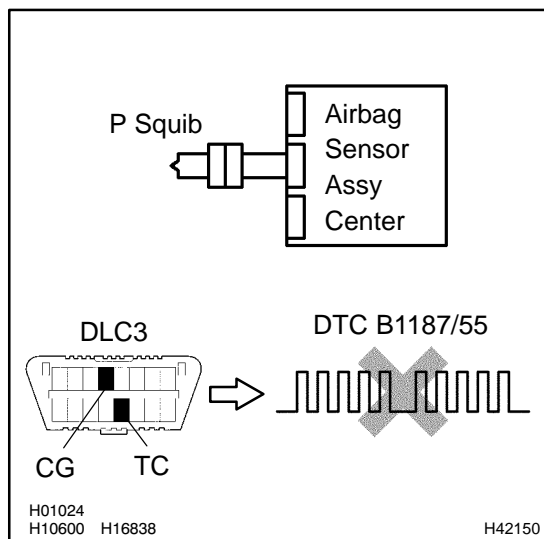
**OK:****DTC B1187/55 is not output.****HINT:**

Codes other than code B1187/55 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**

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- (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 10 seconds.
- (f) Clear the DTC stored in memory (See page 05-614 ).
- (g) Turn the ignition switch to LOCK, and wait at least for 10 seconds.
- (h) Turn the ignition switch to ON, and wait at least for 10 seconds.
- (i) Check the DTC (See page 05-614 ).

**OK:****DTC B1187/55 is not output.****HINT:**

Codes other than code B1187/55 may be output at this time, but they are not relevant to this check.

**NG****REPLACE INSTR PNL PASS L/DOOR AIR BAG ASSY****OK****4 USE SIMULATION METHOD TO CHECK****NG****Go to step 1****OK****REPLACE ALL SRS COMPONENTS INCLUDING WIRE HARNESS**