

DTC	B0105/53	SHORT IN P SQUIB CIRCUIT
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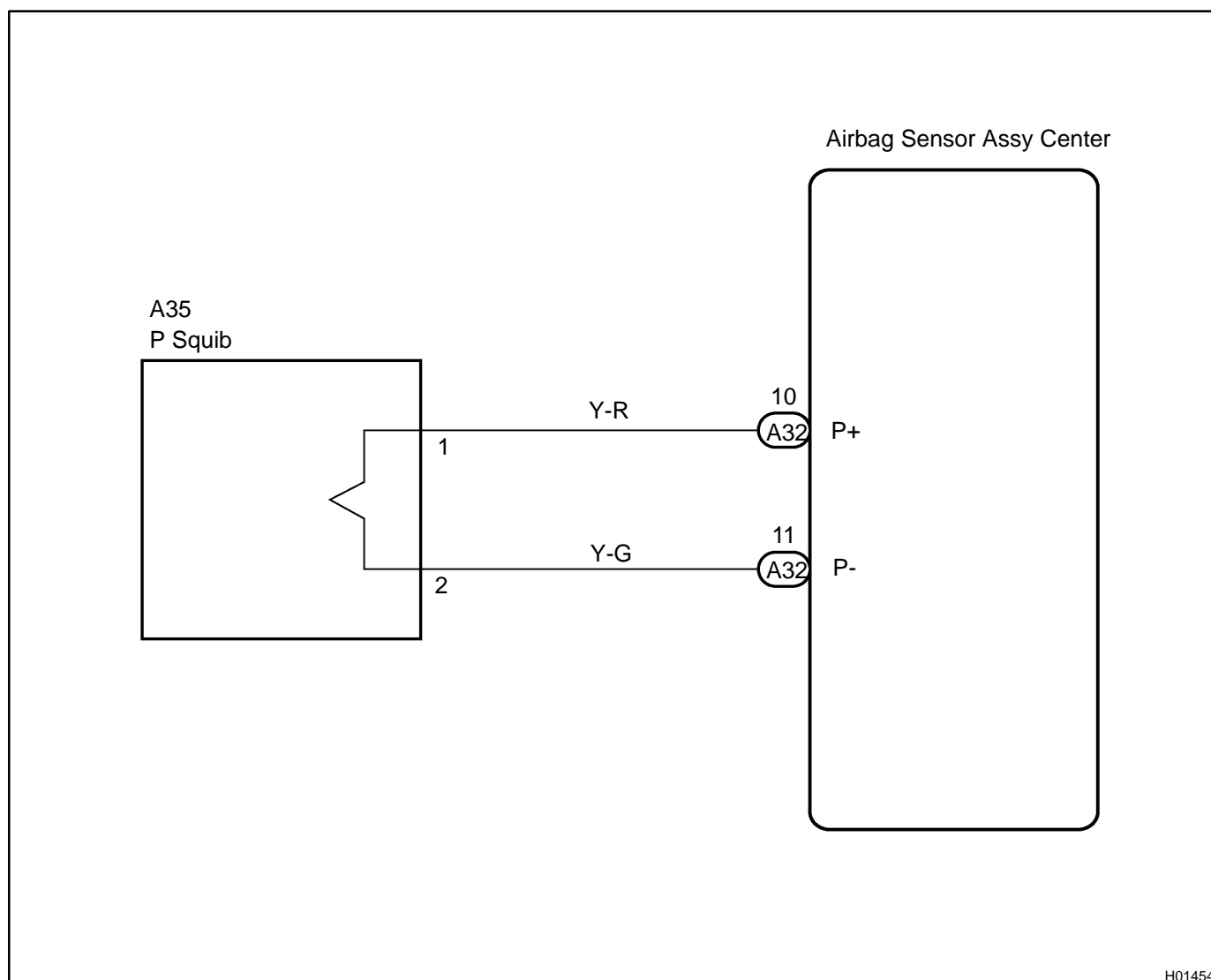
## CIRCUIT DESCRIPTION

The P squib 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 B0105/53 is recorded when a short is detected in the P squib circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B0105/53	<ul style="list-style-type: none"> <li>• Short in P squib circuit</li> <li>• P squib 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)</li> <li>• Airbag sensor assy center</li> <li>• Instrument panel wire</li> </ul>

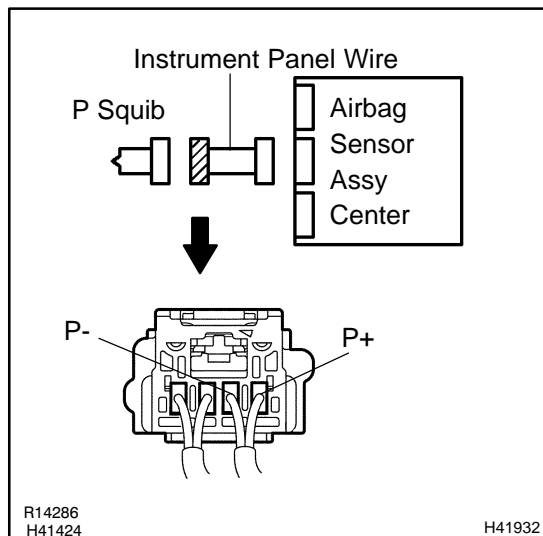
## WIRING DIAGRAM



H01454

## INSPECTION PROCEDURE

### 1 CHECK INSTRUMENT PANEL WIRE(P SQUIB CIRCUIT)



- 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.
- Release the airbag activation prevention mechanism built in the connector of the instrument panel wire on the airbag sensor assy center side (See page 05-614 ).
- Measure the resistance between P+ and P- of the black instrument panel wire connector on the instr pnl pass l/door airbag assy side.

**OK:**

**Resistance: 1 MΩ or Higher**

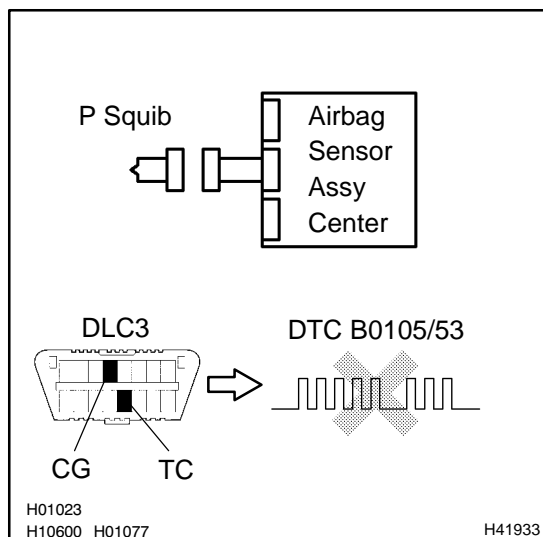
**NG**

**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.
- 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 B0105/53 is not output.**

**HINT:**

Codes other than code B0105/53 may be output at this time, but they are not relevant to this check.

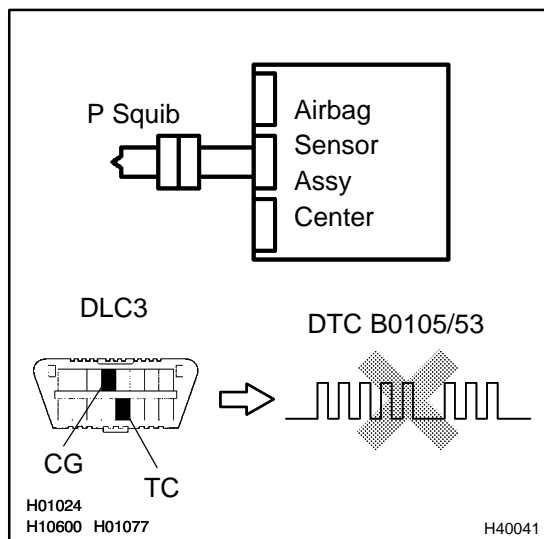
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**REPLACE AIR BAG SENSOR ASSY CENTER**

**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 instr pnl pass l/door airbag assy connectors.
- 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 B0105/53 is not output.****HINT:**

Codes other than code B0105/53 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**

**USE SIMULATION METHOD TO CHECK**