

<b>DTC</b>	<b>B0105/53</b>	<b>SHORT IN P SQUIB CIRCUIT</b>
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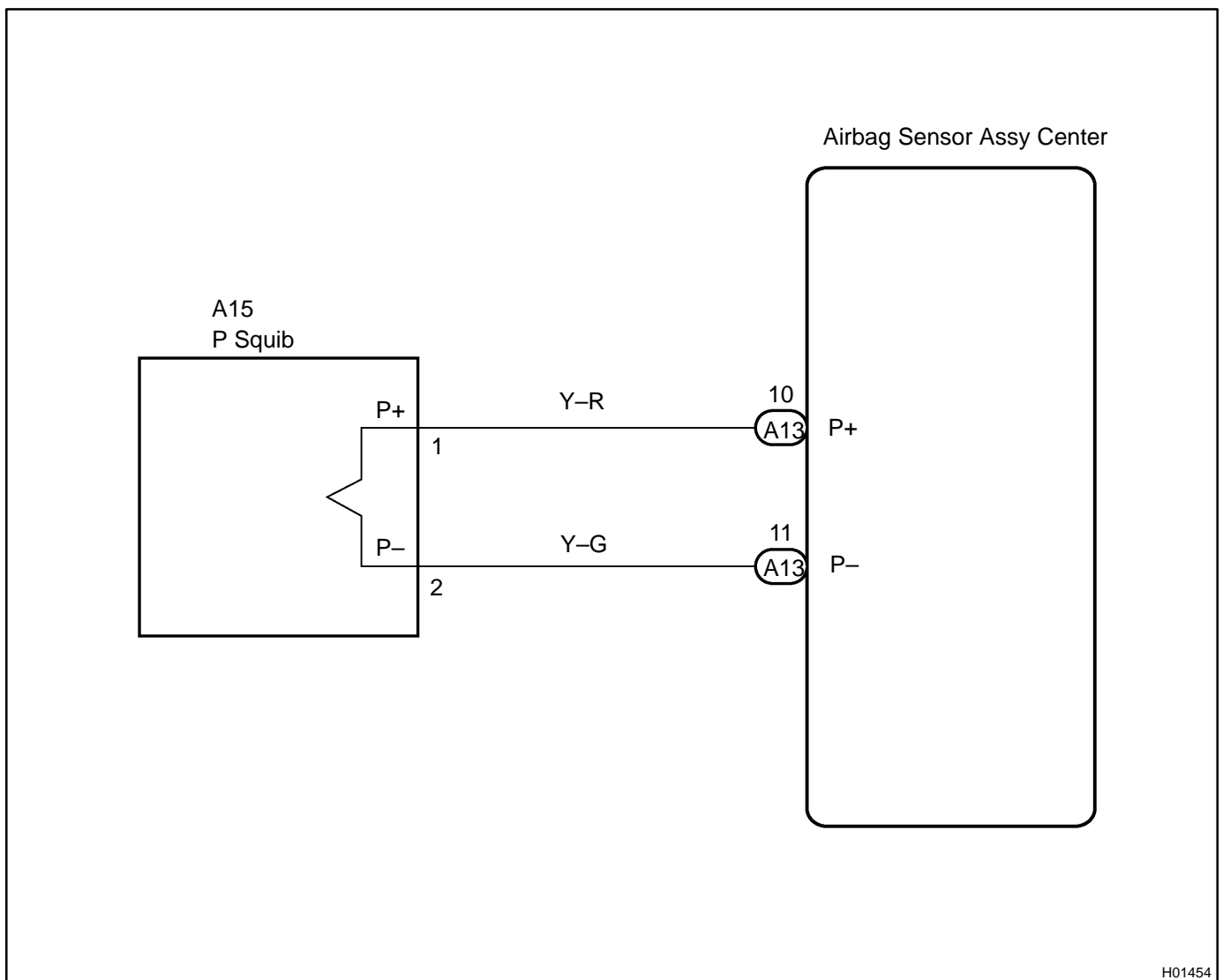
**CIRCUIT DESCRIPTION**

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

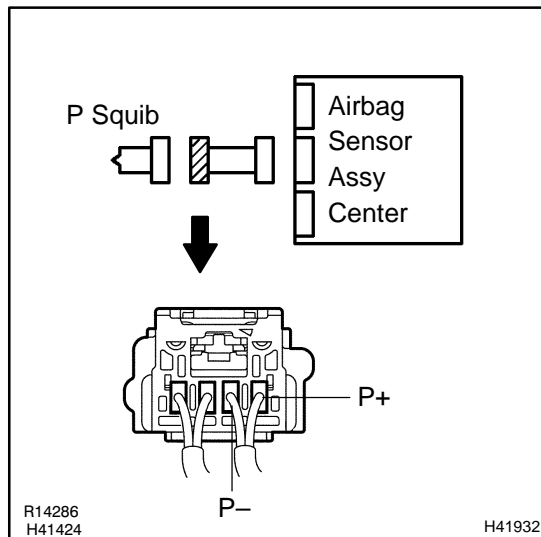
DTC No.	DTC Detecting Condition	Trouble Area
B0105/53	<ul style="list-style-type: none"> <li>• Short circuit between P+ wire harness and P- wire harness of squib.</li> <li>• P squib malfunction</li> <li>• Airbag sensor assy center malfunction</li> </ul>	<ul style="list-style-type: none"> <li>• Instrument panel passenger airbag assy (P squib)</li> <li>• Airbag sensor assy center</li> <li>• Instrument panel wire</li> </ul>

**WIRING DIAGRAM**



## 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.

**HINT:**

Make sure that the connector is not damaged (The lock button is not disengaged, or the claw of the lock is not deformed or damaged). If the damage is found, replace the wire harness.

- (c) Release the airbag activation prevention mechanism of the connector (on the airbag sensor assy center side) between the airbag sensor assy center and the instrument panel passenger airbag assy (See page 05-424).
- (d) 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 P–.

**OK:**

**Resistance: 1 MΩ or Higher**

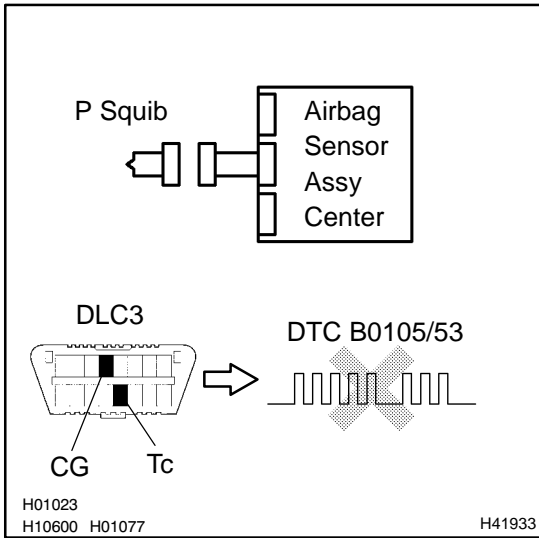
<b>NG</b>
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<b>REPAIR OR REPLACE INSTRUMENT PANEL WIRE</b>
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<b>OK</b>
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**2 CHECK AIR BAG SENSOR ASSY CENTER**

SST 09843-18040



- (a) Connect the connector to the airbag sensor assy center.
- (b) Connect the negative (-) terminal cable to the battery, and wait at least for 2 seconds.
- (c) Turn the ignition switch to ON, and wait at least for 20 seconds.
- (d) Clear the DTC stored in memory (See page 05-424).
- (e) Turn the ignition switch to LOCK, and wait at least for 20 seconds.
- (f) Turn the ignition switch to ON, and wait at least for 20 seconds.
- (g) Check the DTC (See page 05-424).

**OK:**

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

**HINT:**

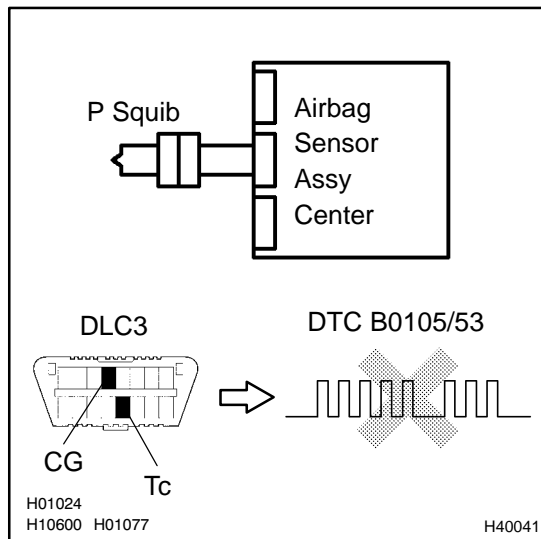
Codes other than code B0105/53 may be output at this time, but they are not relevant to this check.

**NG** **REPLACE 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 instrument panel passenger airbag assy connector.
- (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 05-424).
- (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 05-424).

**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 INSTRUMENT PANEL PASSENGER AIR BAG ASSY**

**OK**

**USE SIMULATION METHOD TO CHECK**