

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

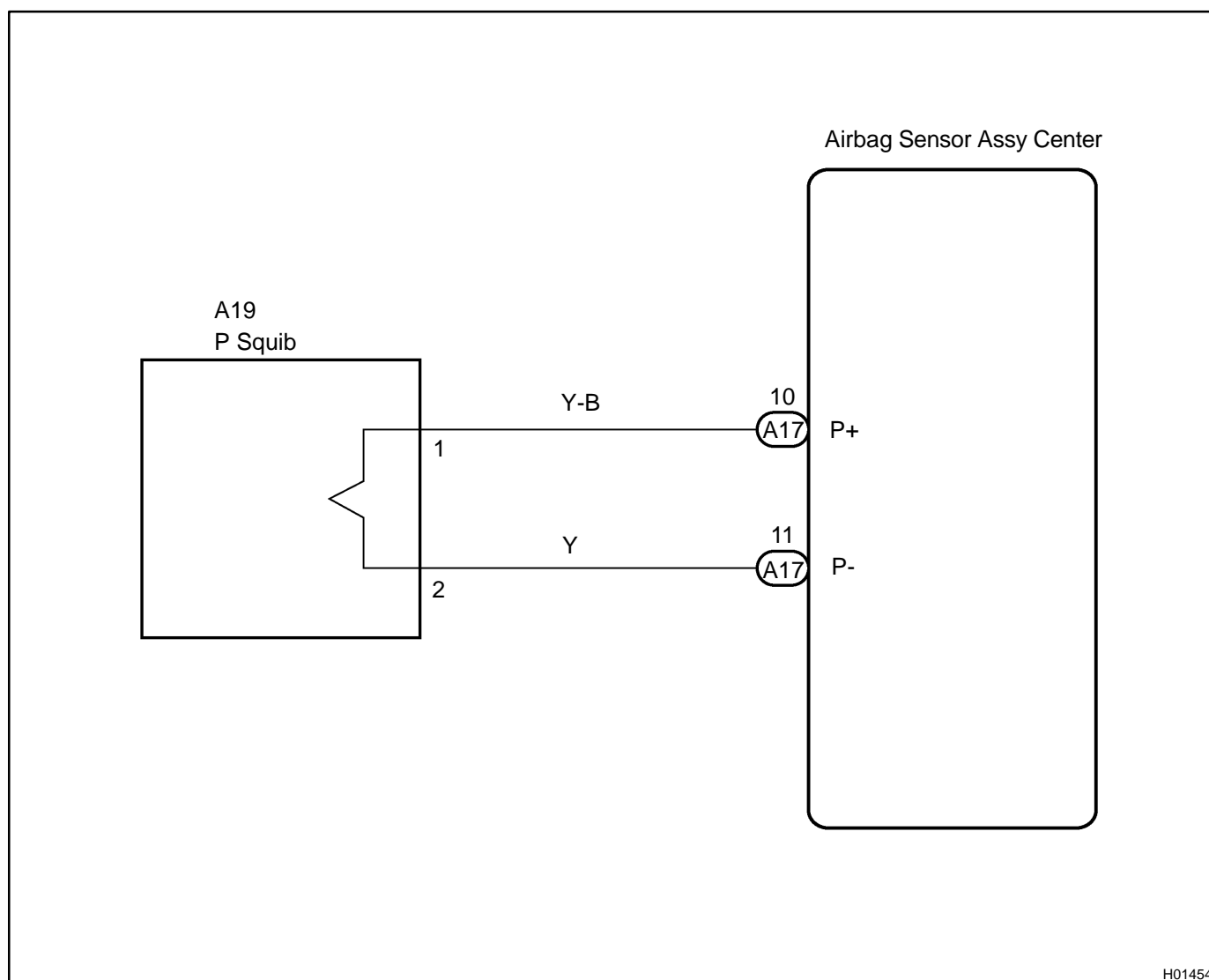
The P squib circuit consists of the airbag sensor assy center and the front passenger airbag assy.

The circuit instructs the SRS to deploy when deployment conditions are met.

DTC B0105/53 is recorded when a short circuit 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 P squib</li> <li>• P squib malfunction</li> <li>• Airbag sensor assy center malfunction</li> </ul>	<ul style="list-style-type: none"> <li>• Front passenger airbag assy (P squib)</li> <li>• Airbag sensor assy center</li> <li>• Cowl wire</li> </ul>

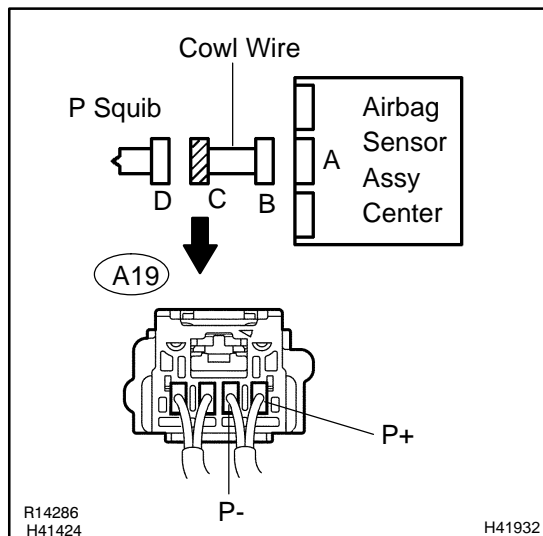
## WIRING DIAGRAM



H01454

## INSPECTION PROCEDURE

## 1 CHECK COWL WIRE(P SQUIB CIRCUIT)



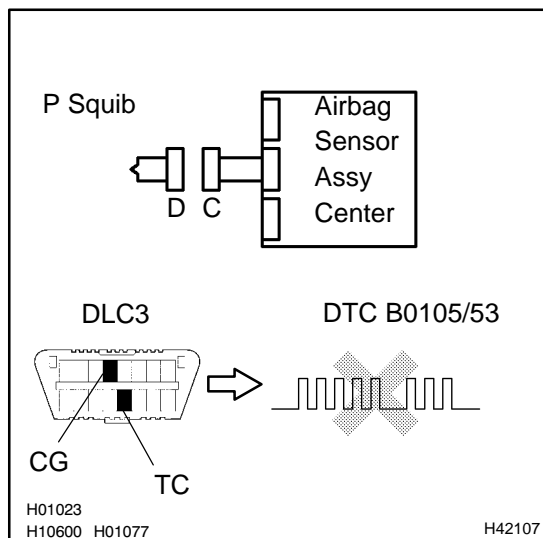
- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Disconnect the connectors from the airbag sensor assy center and the front passenger airbag assy.
- Release the activation prevention mechanism built into connector "B" (see page 05-1207).
- Measure the resistance according to the value(s) in the table below.

**Standard:**

Tester connection	Condition	Specified condition
A19-1 (P+) - A19-2 (P-)	Always	1 MΩ or Higher

**NG****REPAIR OR REPLACE COWL WIRE****OK**

## 2 CHECK AIR BAG SENSOR ASSY CENTER



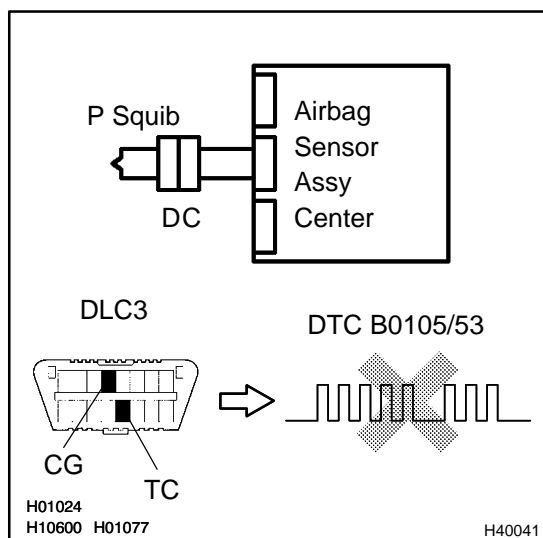
- Connect the connector to the airbag sensor assy center.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Clear the DTCs stored in memory (see page 05-1215).
- Turn the ignition switch to the LOCK position.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Check the DTCs (see page 05-1215).

**OK:****DTC B0105/53 is not output.****HINT:**

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

**NG****REPLACE AIR BAG SENSOR ASSY CENTER (SEE PAGE 60-53)****OK**

### 3 CHECK FRONT PASSENGER AIRBAG ASSY(P SQUIB)



- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Connect the connector to the front passenger airbag assy.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Clear the DTCs stored in memory (see page 05-1215 ).
- Turn the ignition switch to the LOCK position.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Check the DTCs (see page 05-1215 ).

**OK:**

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

**HINT:**

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

**NG**

**REPLACE FRONT PASSENGER AIRBAG ASSY  
(SEE PAGE 60-29 )**

**OK**

### USE SIMULATION METHOD TO CHECK

**HINT:**

- Before performing the simulation method, check that the airbag sensor assy center is in check mode (see page 05-1218 ).
- Perform the simulation method by selecting the check mode with the hand-held tester (see page 05-1218 ).
- After selecting the check mode, perform the simulation method by wiggling each connector of the airbag system or driving the vehicle on a city or rough road (see page 05-1218 ).