

DTC	B0105/53	Short in Front Passenger Side Squib Circuit
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DESCRIPTION

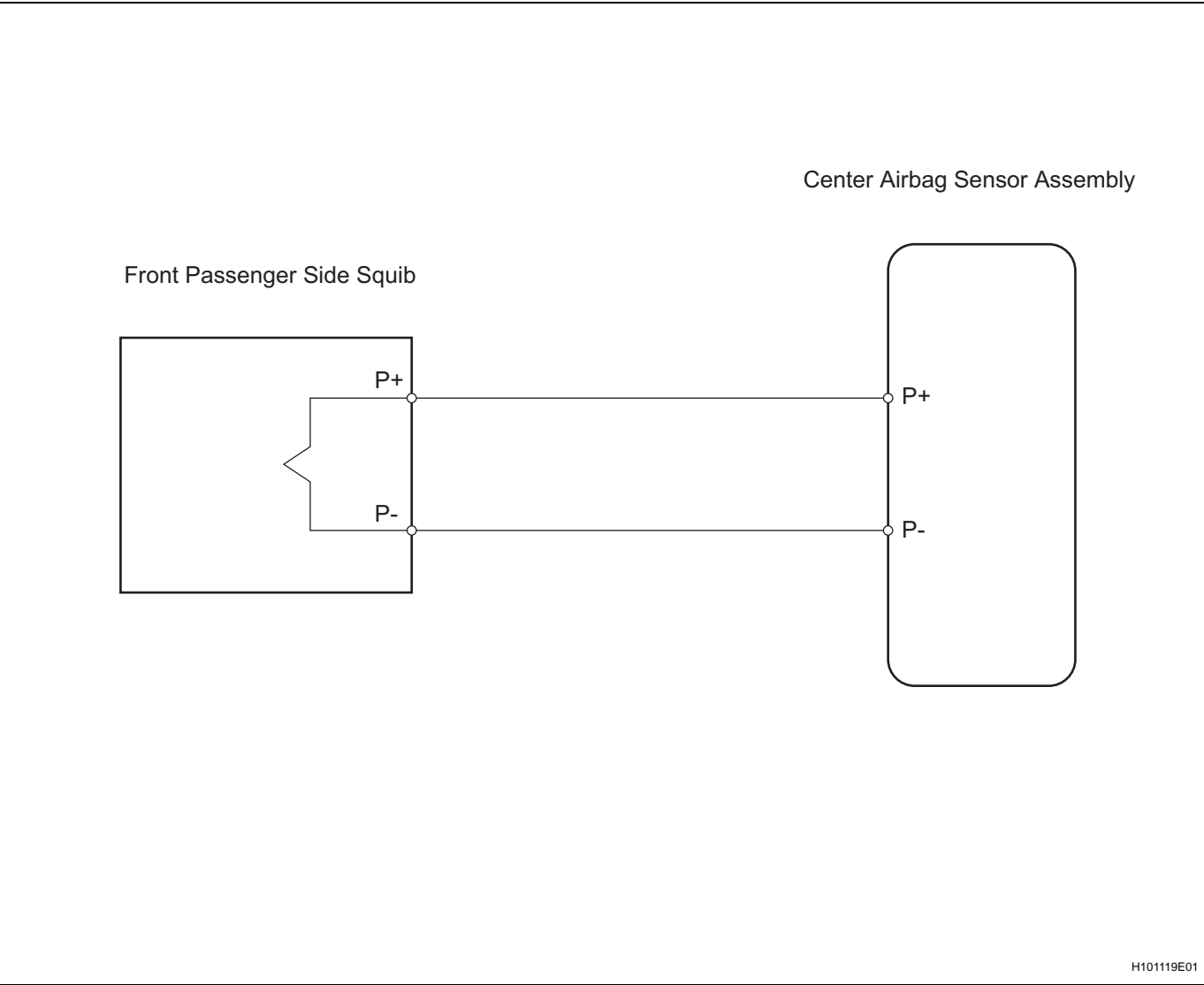
The front passenger side squib circuit consists of the center airbag sensor assembly and the front passenger airbag assembly.

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

DTC B0105/53 is recorded when a short circuit is detected in the front passenger side squib circuit.

DTC No.	DTC Detection Condition	Trouble Area
B0105/53	<ul style="list-style-type: none"><li>Short circuit between P+ wire harness and P- wire harness of front passenger side squib</li><li>Front passenger side squib malfunction</li><li>Center airbag sensor assembly malfunction</li></ul>	<ul style="list-style-type: none"><li>Front passenger airbag assembly (front passenger side squib)</li><li>Center airbag sensor assembly</li><li>Instrument panel wire</li></ul>

WIRING DIAGRAM

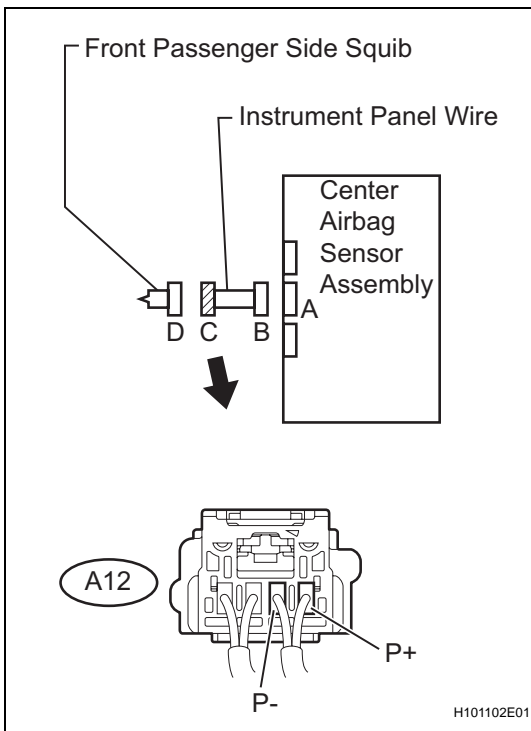


**1****CHECK INSTRUMENT PANEL WIRE (FRONT PASSENGER SIDE SQUIB CIRCUIT)**

- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Disconnect the connectors from the center airbag sensor assembly and the front passenger airbag assembly.
- (d) Release the activation prevention mechanism built into connector "B" (see page RS-12).
- (e) Measure the resistance according to the value(s) in the table below.

**Standard resistance**

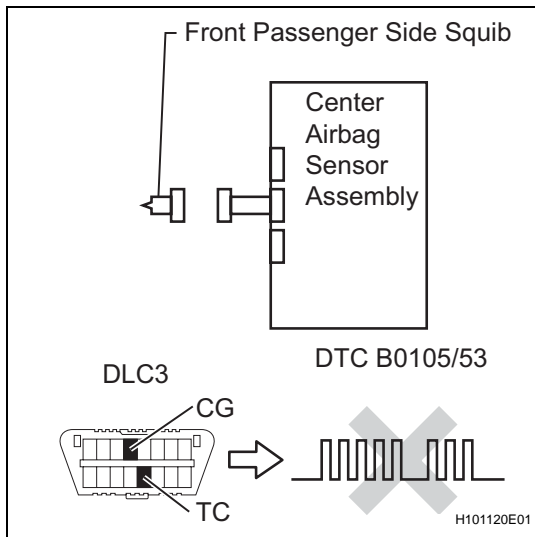
Tester Connection (Connector "C")	Specified Condition
A12-1 (P+) - A12-2 (P-)	1 MΩ or higher

**NG****REPAIR OR REPLACE INSTRUMENT PANEL WIRE****OK****2****CHECK CENTER AIRBAG SENSOR ASSEMBLY**

- (a) Connect the connector to the center airbag sensor assembly.
- (b) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (c) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (d) Clear the stored DTCs in the memory (see page RS-21).
- (e) Turn the ignition switch to the LOCK position.
- (f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.

**RS**

RS



OK

- (g) Check for the DTCs (see page [RS-21](#)).

**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.

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**REPLACE CENTER AIRBAG SENSOR ASSEMBLY**

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### CHECK FRONT PASSENGER AIRBAG ASSEMBLY (FRONT PASSENGER SIDE SQUIB)

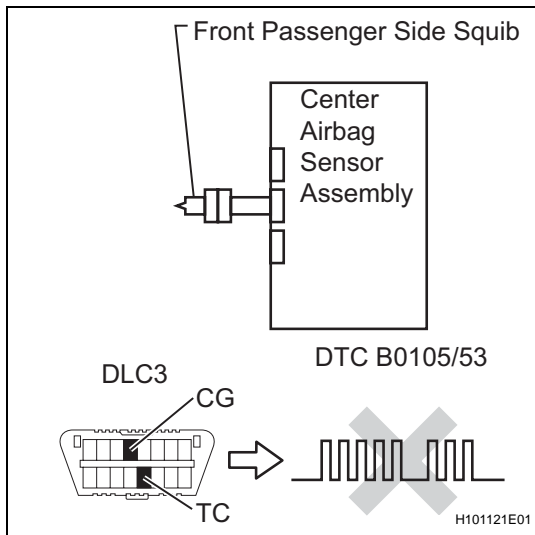
- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Connect the connector to the front passenger airbag assembly.
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Clear the stored DTCs in the memory (see page [RS-21](#)).
- Turn the ignition switch to the LOCK position.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Check for the DTCs (see page [RS-21](#)).

**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.

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**REPLACE FRONT PASSENGER AIRBAG ASSEMBLY**



OK

**PROBLEM SYMPTOMS SIMULATION**