

DTC	B0105/53	SHORT IN P SQUIB CIRCUIT
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CIRCUIT DESCRIPTION

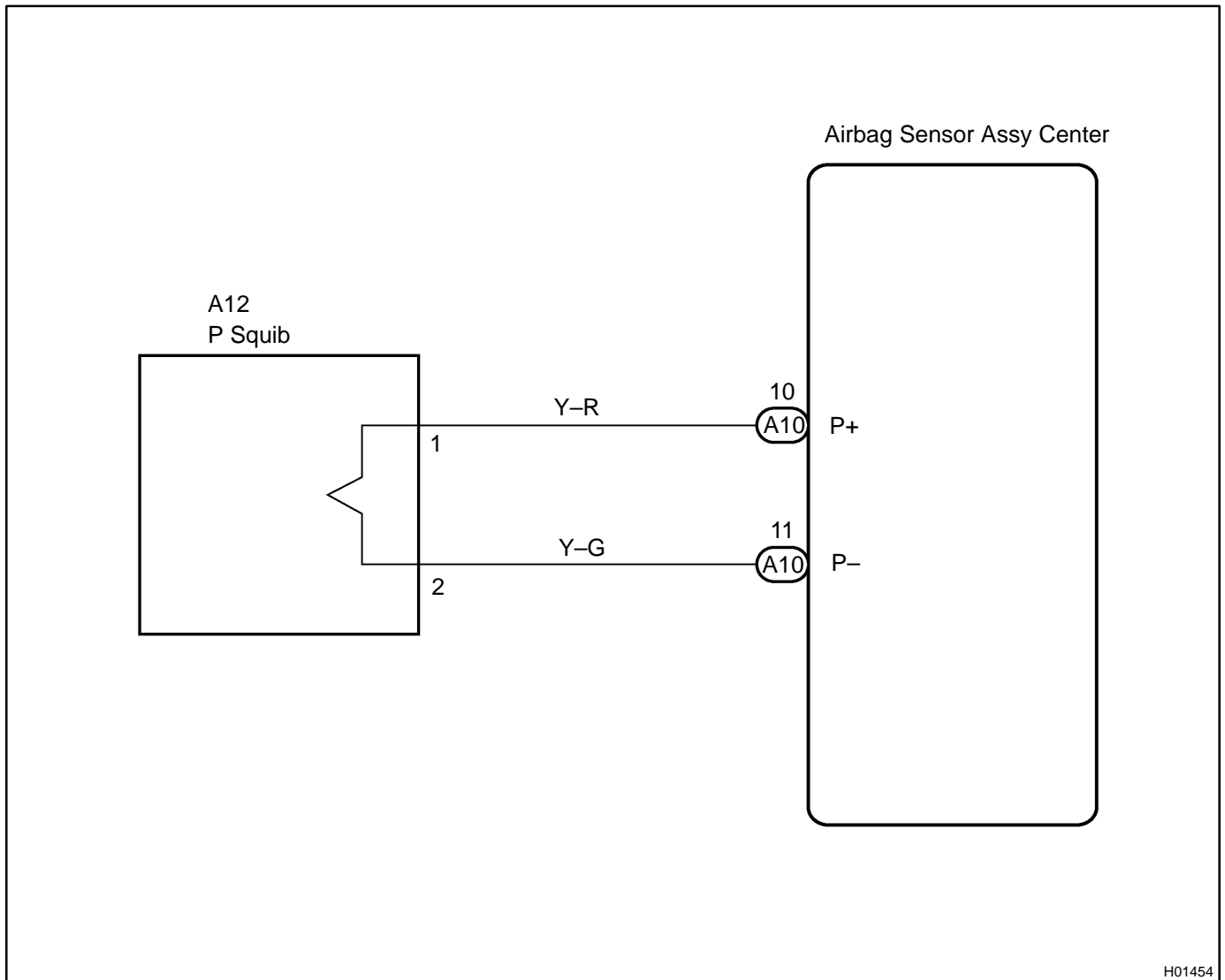
The P squib circuit consists of the airbag sensor assy center and the instrument panel passenger airbag assy.

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 P squib circuit.

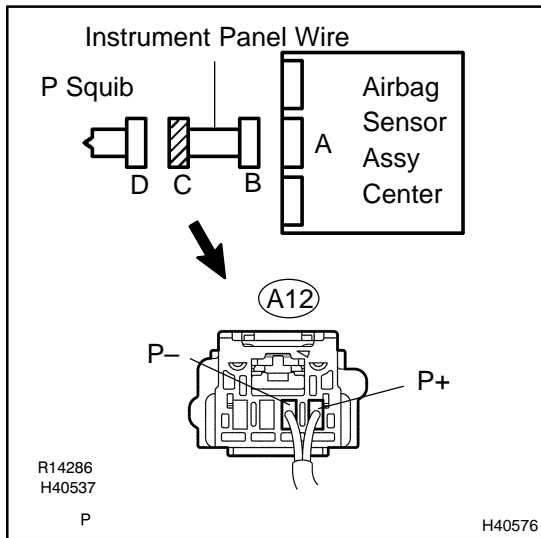
DTC No.	DTC Detecting Condition	Trouble Area
B0105/53	<ul style="list-style-type: none"> • Short circuit between P+ wire harness and P- wire harness of P squib • P squib malfunction • Airbag sensor assy center malfunction 	<ul style="list-style-type: none"> • Instrument panel passenger airbag assy (P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

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK INSTRUMENT PANEL WIRE(P 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 airbag sensor assy center and the instrument panel passenger airbag assy.
- (d) Release the activation prevention mechanism built into connector "B" (See page 05-456).
- (e) Measure the resistance according to the value(s) in the table below.

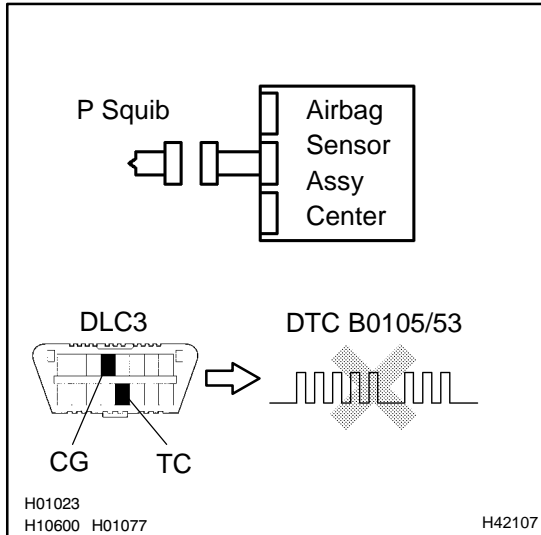
Standard:

Tester connection (Connector "C")	Condition	Specified condition
A12-1 (P+) - A12-2 (P-)	Always	1 MΩ or Higher

NG REPAIR OR REPLACE INSTRUMENT PANEL WIRE

OK

2 CHECK AIR BAG SENSOR ASSY CENTER



- (a) Connect the connector to the airbag sensor assy center.
- (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 05-453).
- (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.
- (g) Check the DTCs (See page 05-453).

OK:

DTC B0105/53 is not output.

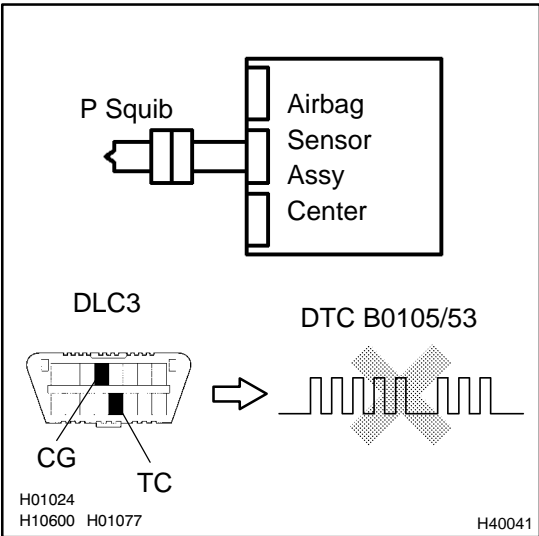
HINT:

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

OK

3 CHECK INSTRUMENT PANEL PASSENGER AIR BAG ASSY(P SQUIB)



- (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) Connect the connector to the instrument panel passenger airbag assy.
- (d) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (e) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (f) Clear the stored DTCs in the memory (See page 05-453).
- (g) Turn the ignition switch to the LOCK position.
- (h) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (i) Check the DTCs (See page 05-453).

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 INSTRUMENT PANEL PASSENGER AIR BAG ASSY**

OK

USE SIMULATION METHOD TO CHECK