

DTC B0108/52 SHORT IN P SQUIB CIRCUIT (TO B+)

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 B0108/52 is recorded when a B+ short is detected in the P squib circuit.

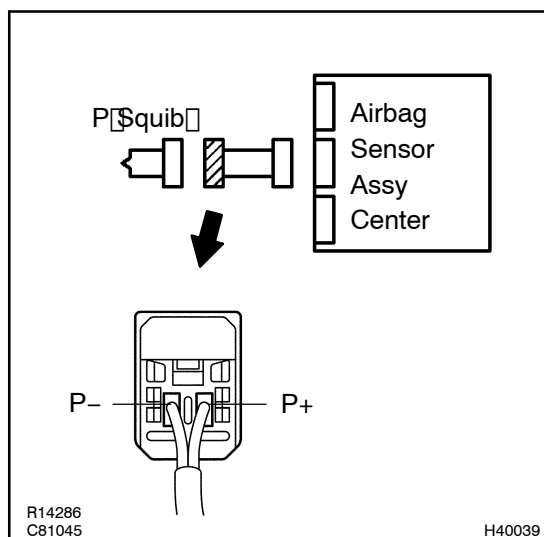
DTC No.	DTC Detecting Condition	Trouble Area
B0108/52	<ul style="list-style-type: none"> Short circuit in P squib wire harness (to B+) P squib malfunction Airbag sensor assy center malfunction 	<ul style="list-style-type: none"> Instrument panel passenger airbag assy (P squib) Airbag sensor assy center Instrument panel wire

WIRING DIAGRAM

See page 05-432.

INSPECTION PROCEDURE

1 CHECK P SQUIB CIRCUIT



- Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- Disconnect the connectors between the airbag sensor assy center and the instrument panel passenger airbag assy.
- Connect the negative (-) terminal cable to the battery, and turn the ignition switch to ON.
- For the connector (on the instrument panel passenger airbag assy side) between the instrument panel passenger airbag assy and the airbag sensor assy center, measure the voltage between the P+ and body ground.

OK:

Voltage: Below 1 V

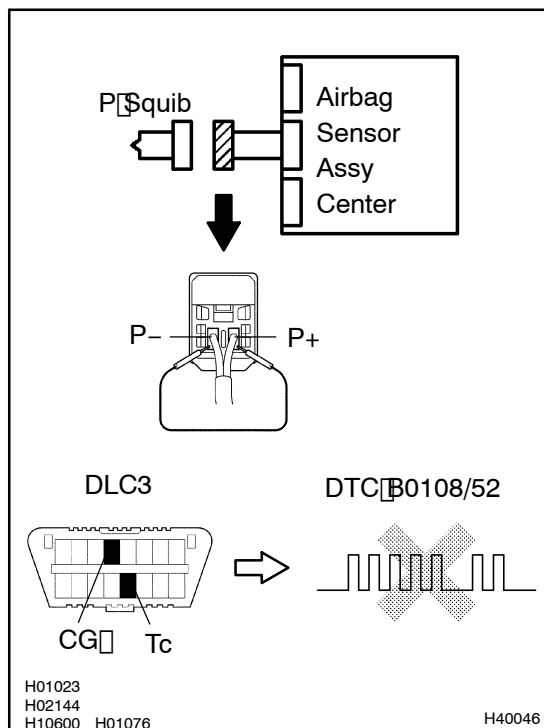
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REPAIR OR REPLACE INSTRUMENT PANEL WIRE

OK

2 CHECK AIR BAG SENSOR ASSY CENTER

SST 09843-18040



- Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- Connect the connector to the airbag sensor assy center.
- Using a service wire, connect P+ and P- of the connector (on the instrument panel passenger airbag assy side) between the instrument panel passenger airbag assy and 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 20 seconds.
- Clear the DTC stored in memory (See page 05-403).
- Turn the ignition switch to LOCK, and wait at least for 20 seconds.
- Turn the ignition switch to ON, and wait at least for 20 seconds.
- Check the DTC (See page 05-403).

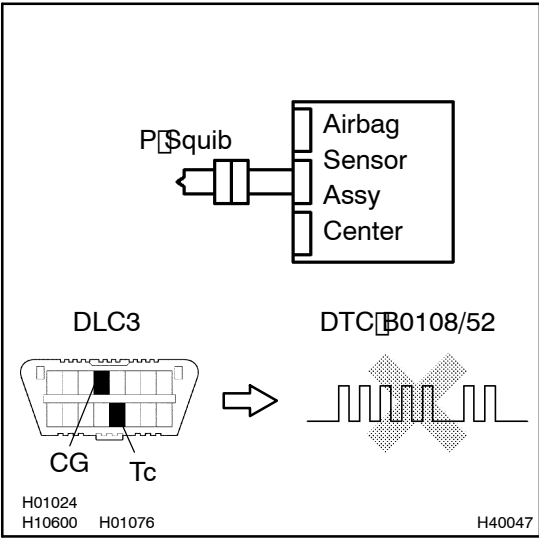
OK:**DTC B0108/52 is not output.****HINT:**

Codes other than code B0108/52 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 air bag 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 05-403).
- (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 05-403).

OK:

DTC B0108/52 is not output.

HINT:

Codes other than code B0108/52 may be output at this time, but they are not relevant to this check.

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REPLACE INSTRUMENT PANEL PASSENGER AIR BAG ASSY

OK

4 USE SIMULATION METHOD TO CHECK

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Go to step 1

OK

REPLACE ALL SRS COMPONENTS INCLUDING THE WIRE HARNESS