DTC	B1808	SHORT IN P SQUIB CIRCUIT (TO B+)

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 B1808 is recorded when a short to B+ is detected in the P squib circuit.

| DTC No.	DTC Detecting Condition	Trouble Area
B1808	• When the airbag sensor assy center receives a B+ short signal in the P squib circuit for 0.5 seconds. • P squib malfunction • Airbag sensor assy center malfunction	• Instrument panel wire • Front passenger airbag assy (P squib) • Airbag sensor assy center

WIRING DIAGRAM

INSPECTION PROCEDURE

CAUTION:

Be sure to perform the following procedures before troubleshooting to avoid unexpected airbag deployment.

(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.

(d) Disconnect the connectors from the horn button assy.

(e) Disconnect the connector from the front passenger airbag assy.

(f) Disconnect the connector from the instrument panel airbag assy lower No.1.

(g) Disconnect the connector from the instrument panel airbag assy lower No.2.

(h) Disconnect the connector from the front seat airbag assy LH.

(i) Disconnect the connector from the front seat airbag assy RH.

(j) Disconnect the connector from the curtain shield airbag assy LH.

(k) Disconnect the connector from the curtain shield airbag assy RH.

(l) Disconnect the connector from the front seat outer belt assy LH.

(m) Disconnect the connector from the front seat outer belt assy RH.

(n) Disconnect the connectors from the rear seat 3 point type outer belt assy.

1	CHECK INSTRUMENT PANEL WIRE(P SQUIB CIRCUIT)

R14286
H40537
P
H40576
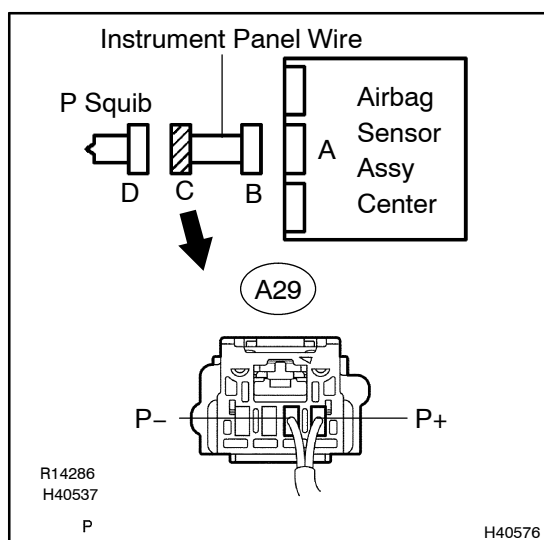
(a) Connect the negative (−) terminal cable to the battery, and wait for at least 2 seconds.

(b) Turn the ignition switch to the ON position.

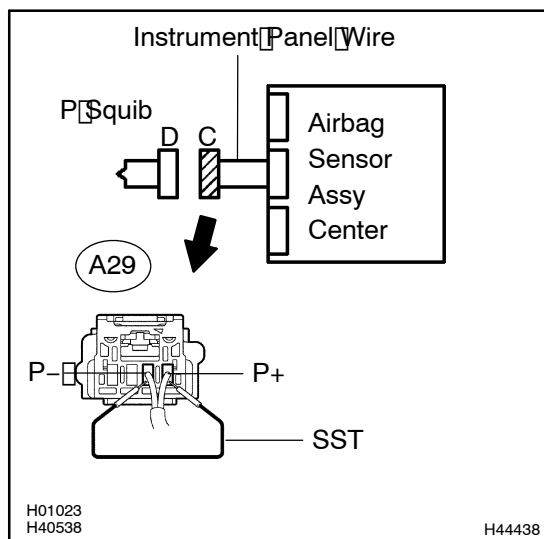(c) Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A29−1 (P+) − Body ground	Ignition switch ON	Below 1 V
A29−2 (P−) − Body ground	Ignition switch ON	Below 1 V

NG	REPAIR OR REPLACE INSTRUMENT PANEL WIRE

OK

2 | CHECK AIR BAG SENSOR ASSY CENTER

Instrument Panel Wire

P Squib

D C

Airbag
Sensor
Assy
Center

A29

P−   P+

SST

H01023
H40538

H44438

(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 connectors to the airbag sensor assy center.

(d) Using SST, connect A29−1 (P+) and A29−2 (P−) of connector "C".
SST   09843−18040

(e) Connect the negative (−) terminal cable to the battery, and wait for at least 2 seconds.

(f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.

(g) Clear the DTCs stored in memory (see page 05−959).

(h) Turn the ignition switch to the LOCK position.

(i) Turn the ignition switch to the ON position, and wait for at least 60 seconds.

(j) Check the DTCs (see page 05−959).
OK:
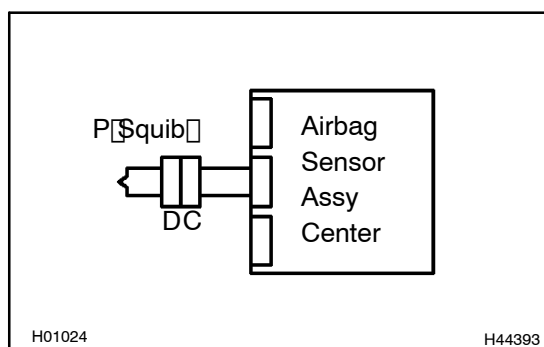**DTC B1808 is not output.**

HINT:

Codes other than code B1808 may be output at this time, but they are not related to this check.

| NG | **REPLACE AIR BAG SENSOR ASSY CENTER (SEE PAGE 60−74)** |

OK

3	CHECK FRONT PASSENGER AIRBAG ASSY(P SQUIB)

P Squib   Airbag
Sensor
Assy
DC   Center

H01024   H44393

(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 SST from connector "C".
(d) Connect the connector to the front passenger airbag assy.
(e) Connect the negative (−) terminal cable to the battery, and wait for at least 2 seconds.
(f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(g) Clear the DTCs stored in memory (see page 05−959).
(h) Turn the ignition switch to the LOCK position.
(i) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(j) Check the DTCs (see page 05−959).
OK:
DTC B1808 is not output.
HINT:
Codes other than code B1808 may be output at this time, but they are not related to this check.

NG	REPLACE FRONT PASSENGER AIRBAG ASSY (SEE PAGE 60−35)

OK

USE SIMULATION METHOD TO CHECK (SEE PAGE 05−954)

HINT:
- Perform the simulation method by selecting the check mode with the intelligent tester II (see page 05−960).
- 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 05−960).