| DTC | B1187/55 | SHORT IN P SQUIB (DUAL STAGE – 2ND STEP) CIRCUIT (TO GROUND) |
|---|---|---|

## CIRCUIT DESCRIPTION

The P squib (Dual stage – 2nd step) 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 B1187/55 is recorded when a short to ground is detected in the P squib (Dual stage – 2nd step) circuit.

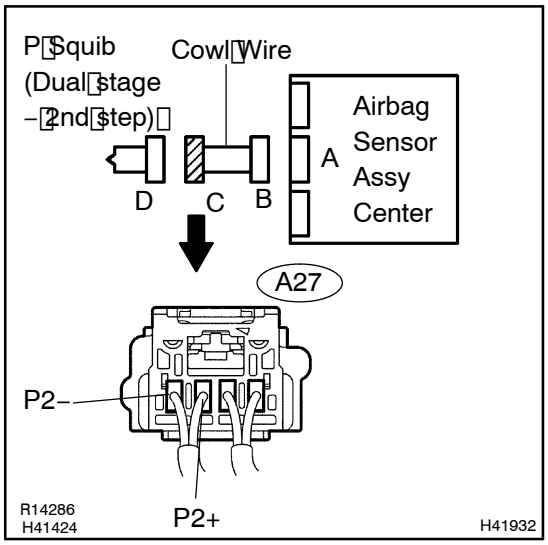
| DTC No. | DTC Detecting Condition | Trouble Area |
|---|---|---|
| B1187/55 | • Short circuit in P squib (Dual stage – 2nd step) wire harness (to ground)<br>• P squib (Dual stage – 2nd step) malfunction<br>• Airbag sensor assy center malfunction | • Front passenger airbag assy (P squib, Dual stage – 2nd step)<br>• Airbag sensor assy center<br>• Cowl wire |

## WIRING DIAGRAM

See page 05–700.

## INSPECTION PROCEDURE

| 1 | CHECK COWL WIRE (P SQUIB, DUAL STAGE – 2ND STEP 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 front passenger airbag assy.

(d) Measure the resistance according to the value(s) in the table below.

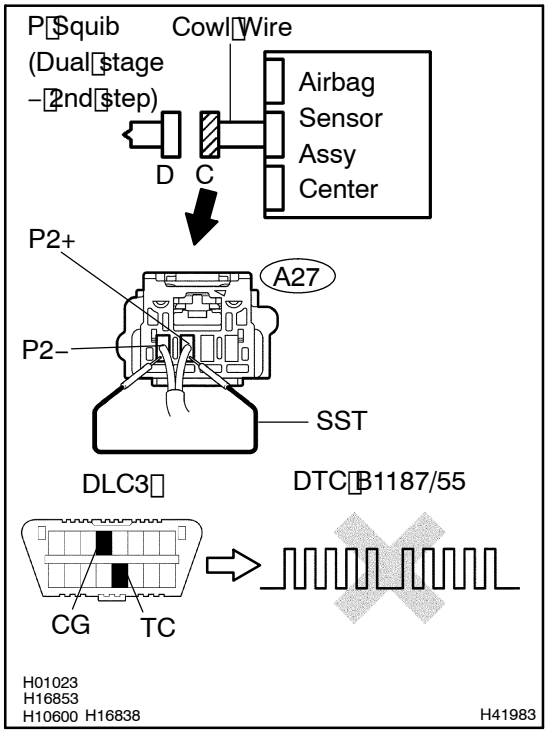
**Standard:**

| Tester connection | Condition | Specified condition |
|---|---|---|
| A27–3 (P2+) – Body ground | Always | 1 MΩ or Higher |
| A27–4 (P2–) – Body ground | Always | 1 MΩ or Higher |

| NG | REPAIR OR REPLACE COWL WIRE |
|---|---|

OK

| 2 | CHECK AIR BAG SENSOR ASSY CENTER |
|---|---|



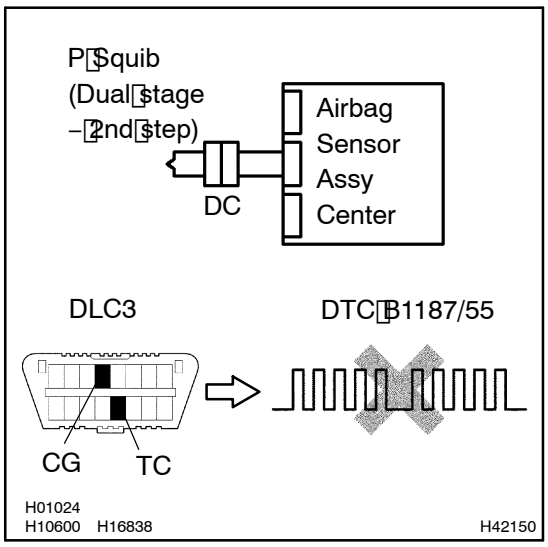

(a) Connect the connector to the airbag sensor assy center.
(b) Using SST, connect A27–3 (P2+) and A27–4 (P2–) of connector "C".
SST 09843–18040
(c) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
(d) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(e) Clear the DTCs stored in memory (see page 05–513).
(f) Turn the ignition switch to the LOCK position.
(g) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(h) Check the DTCs (see page 05–513).
**OK:**
**DTC B1187/55 is not output.**

HINT:
Codes other than code B1187/55 may be output at this time, but they are not related to this check.

| NG | REPLACE AIR BAG SENSOR ASSY CENTER |
|---|---|

OK

| 3 | CHECK FRONT PASSENGER AIRBAG ASSY (P SQUIB, DUAL STAGE – 2ND STEP) |
|---|---|




(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 05–513).
(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 05–513).

**OK:**

**DTC B1187/55 is not output.**

HINT:

Codes other than code B1187/55 may be output at this time, but they are not related to this check.

**NG** → **REPLACE FRONT PASSENGER AIRBAG ASSY**

**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 05–516).
- Perform the simulation method by selecting the check mode with the hand-held tester (see page 05–516).
- 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 05–516).