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

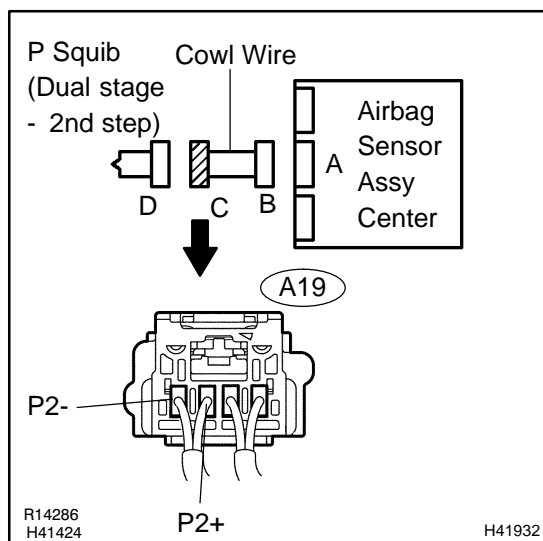
| DTC No. | DTC Detecting Condition | Trouble Area |
|----------|---|--|
| B1187/55 | <ul style="list-style-type: none"> • Short circuit in P squib (Dual stage - 2nd step) wire harness (to ground) • P squib (Dual stage - 2nd step) malfunction • Airbag sensor assy center malfunction | <ul style="list-style-type: none"> • Front passenger airbag assy (P squib, Dual stage - 2nd step) • Airbag sensor assy center • Cowl wire |

WIRING DIAGRAM

see page 05-1434 .

INSPECTION PROCEDURE

| | |
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| 1 | CHECK COWL WIRE(P SQUIB, DUAL STAGE - 2ND STEP CIRCUIT) |
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- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Disconnect the connectors from the airbag sensor assy center and the front passenger airbag assy.
- Measure the resistance according to the value(s) in the table below.

Standard:

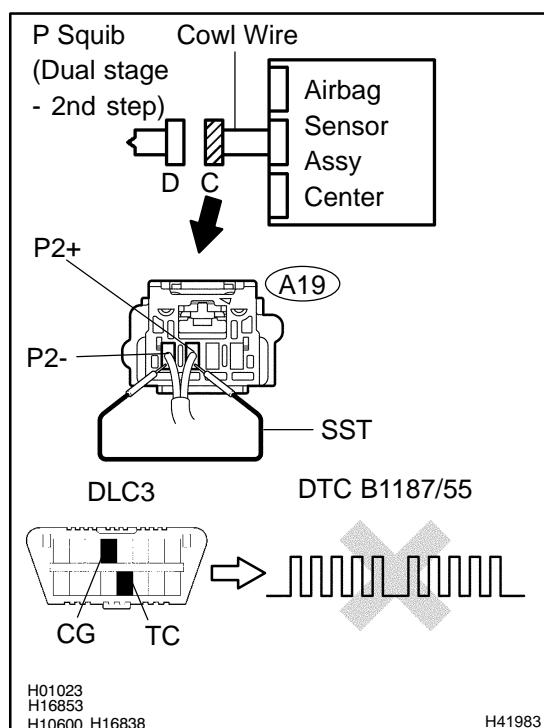
| Tester connection | Condition | Specified condition |
|---------------------------|-----------|---------------------|
| A19-3 (P2+) - Body ground | Always | 1 MΩ or Higher |
| A19-4 (P2-) - Body ground | Always | 1 MΩ or Higher |

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REPAIR OR REPLACE COWL WIRE

OK

2 CHECK AIR BAG SENSOR ASSY CENTER



- Connect the connector to the airbag sensor assy center.
- Using SST, connect A19-3 (P2+) and A19-4 (P2-) of connector "C".
SST 09843-18040
- Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Clear the DTCs stored in memory (see page 05-1215).
- Turn the ignition switch to the LOCK position.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Check the DTCs (see page 05-1215).

OK:

DTC B1187/55 is not output.

HINT:

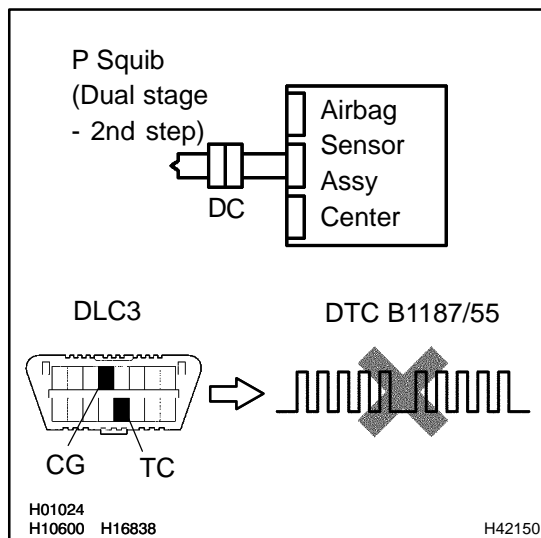
Codes other than code B1187/55 may be output at this time, but they are not related to this check.

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**REPLACE AIR BAG SENSOR ASSY CENTER
(SEE PAGE 60-53)**

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 05-1215).
- (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 05-1215).

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.

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**REPLACE FRONT PASSENGER AIRBAG ASSY
(SEE PAGE 05-1215)**

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 05-1218).
- Perform the simulation method by selecting the check mode with the hand-held tester (see page 05-1218).
- After selecting the check mode, perform the simulation method by wiggling each connector of the air-bag system or driving the vehicle on a city or rough road (see page 05-1218).