DTC B0131/64 OPEN IN P/T (RH) CIRCUIT

CIRCUIT DESCRIPTION

The P/T squib circuit (RH) consists of the airbag ECU assy and seat belt pretensioner (RH).
The SRS will deploy if the SRS deployment conditions are satisfied.
DTC B0131/64 is recorded when an open is detected in the P/T squib (RH) circuit.

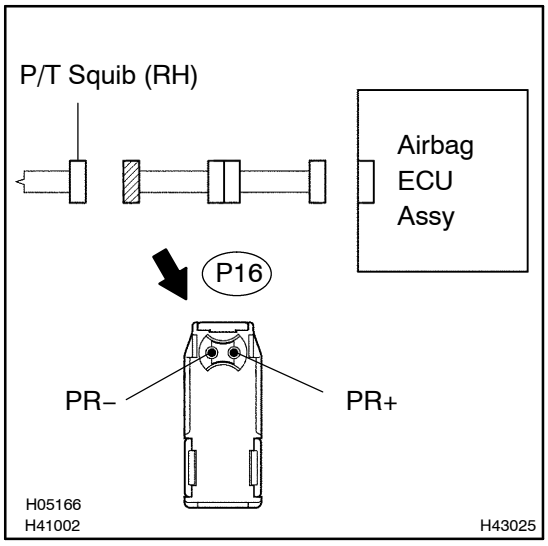
DTC No.	DTC Detection Condition	Trouble Area
B0131/64	• Open circuit in PR+ wire harness or PR– wire harness of squib • P/T squib (RH) malfunction • Airbag ECU assy malfunction	• Seat belt pretensioner RH (P/T squib) • Airbag ECU assy • Wire harness

WIRING DIAGRAM

See page 05–338.

INSPECTION PROCEDURE

1 CHECK P/T SQUIB(RH) CIRCUIT (AIRBAG ECU ASSY ⇔ FRONT SEAT OUTER BELT ASSY RH)



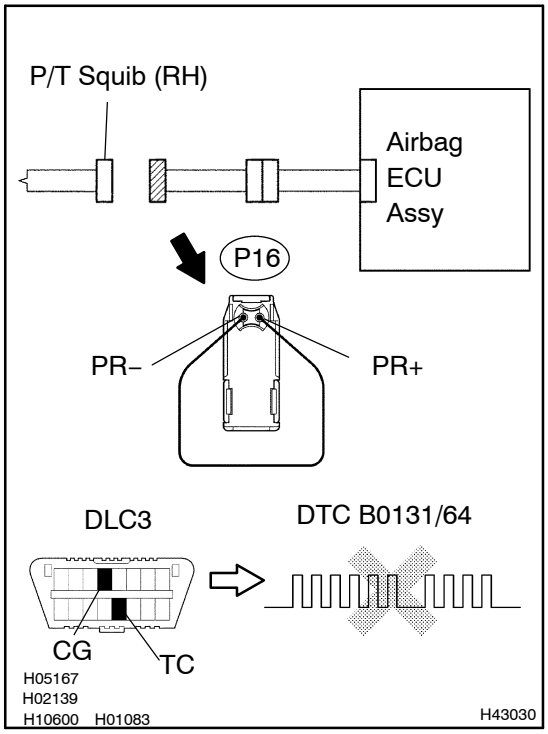
(a) Disconnect the negative (–) terminal cable from the battery and wait at least for 90 seconds.
(b) Disconnect the connector between the airbag ECU assy and the seat belt pretensioner (RH).
(c) For the connector (on the seat belt pretensioner side) between the seat belt pretensioner (RH) and the airbag ECU assy, measure the resistance between terminals PR+ and PR– of the P16 connector.
OK:
Resistance: Below 1 Ω

NG → **Go to step 4**

OK

2 CHECK AIR BAG ECU ASSY

SST 09843–18040



(a) Connect the connector to the airbag ECU assy.
(b) Using a service wire, connect terminals PR+ and PR– of the P16 connector (on the seat belt pretensioner side) between the seat belt pretensioner (RH) and the airbag ECU assy.
(c) Connect the negative (–) terminal cable to the battery and wait at least for 2 seconds.
(d) Turn the ignition switch to ON and wait at least for 20 seconds.
(e) Clear the DTC stored in the memory (See page 05–312).
(f) Turn the ignition switch to LOCK and wait at least for 20 seconds.
(g) Turn the ignition switch to ON and wait at least for 60 seconds.
(h) Check for DTC (See page 05–312).

OK:

DTC B0131/64 is not output.

HINT:

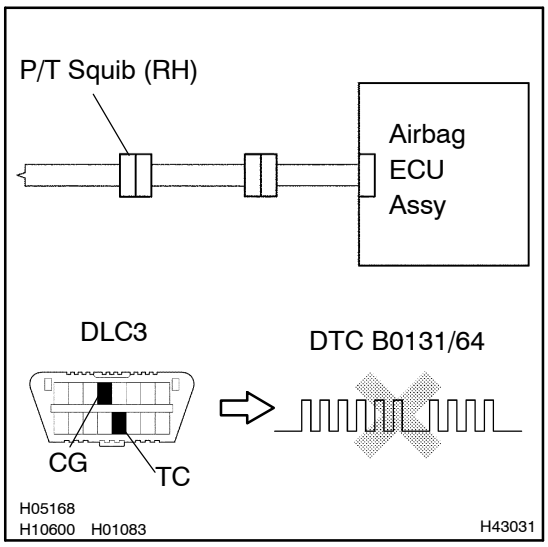
Codes other than code B0131/64 may be output at this time, but they are not relevant to this check.

NG → **REPLACE AIR BAG ECU ASSY**

OK

3	CHECK P/T SQUIB (RH)

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 seat belt pretensioner (RH) 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 the memory (See page 05–312).
(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 60 seconds.
(i) Check for DTC (See page 05–312).
OK:
DTC B0131/64 is not output.

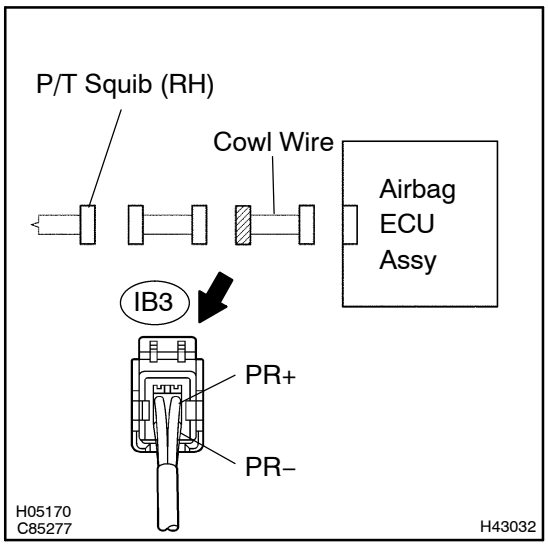
HINT:
Codes other than code B0131/64 may be output at this time, but they are not relevant to this check.

NG → **REPLACE FRONT SEAT OUTER BELT ASSY RH**

OK

USE SIMULATION METHOD TO CHECK

4	CHECK COWL WIRE (AIRBAG ECU ASSY ⇔ FRONT SEAT OUTER BELT ASSY RH)

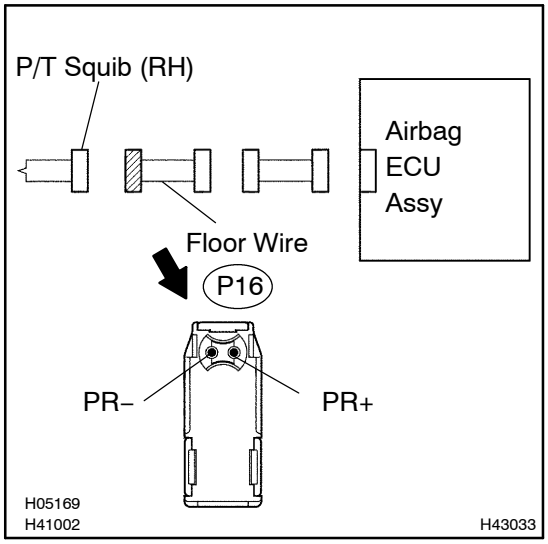


(a) Disconnect the connectors of the cowl wire.
(b) For the cowl wire connector (on the seat belt pretensioner side), measure the resistance between terminals PR+ and PR– of the IB3 connector.
OK:
Resistance: Below 1 Ω

NG → **REPAIR OR REPLACE COWL WIRE**

OK

5	**CHECK FLOOR WIRE (AIRBAG ECU ASSY ⇔ FRONT SEAT OUTER BELT ASSY RH)**



(a) Disconnect the connectors of the floor wire.
(b) For the floor wire connector (on the seat belt pretensioner side) between the airbag ECU assy and the seat belt pretensioner (RH), measure the resistance between terminals PR+ and PR– of the P16 connector.
OK:
Resistance: Below 1 Ω

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

USE SIMULATION METHOD TO CHECK