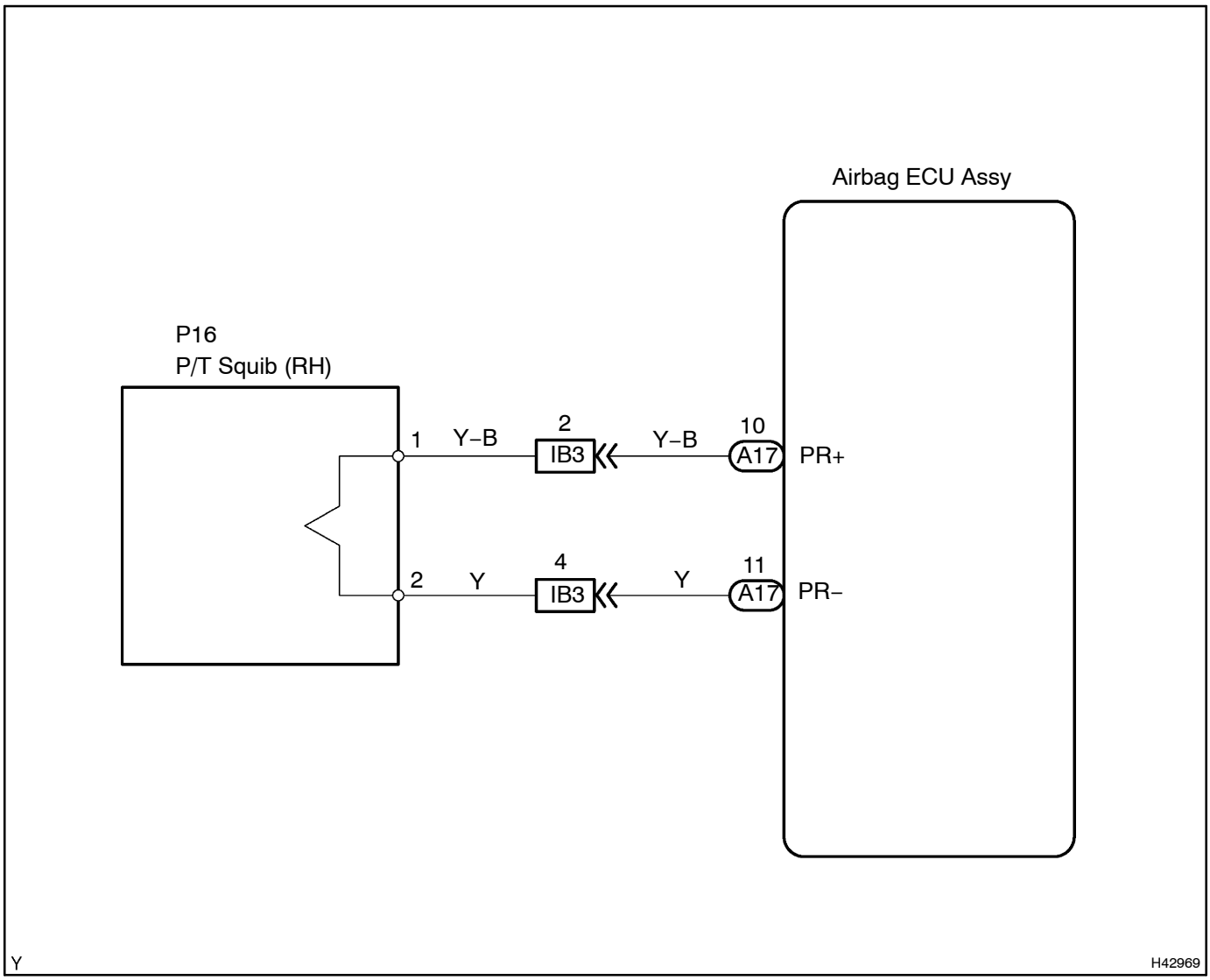
DTC B0130/63 SHORT IN P/T SQUIB (RH) CIRCUIT

CIRCUIT DESCRIPTION

The P/T squib (RH) circuit consists of the airbag ECU assy and seat belt pretensioner (RH).
The SRS will deploy if the SRS deployment conditions are satisfied.
DTC B0130/63 is recorded when a short is detected in the P/T squib (RH) circuit.

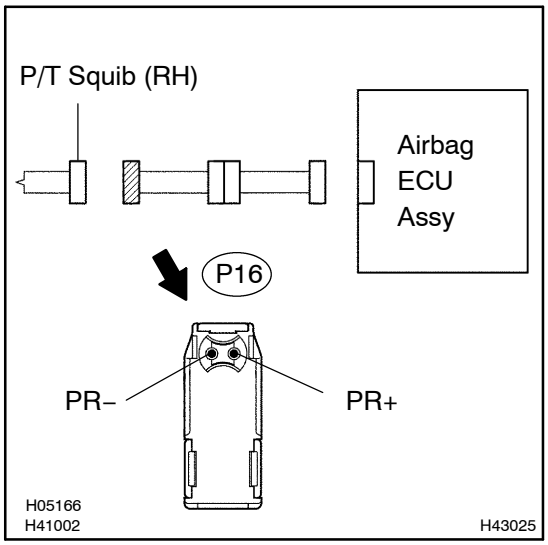
DTC No.	DTC Detection Condition	Trouble Area
B0130/63	• Short circuit between PR+ wire harness and PR– wire harness of squib • P/T squib (RH) malfunction • Airbag ECU assy malfunction	• Seat belt pretensioner RH (P/T squib) • Airbag ECU assy • Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

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



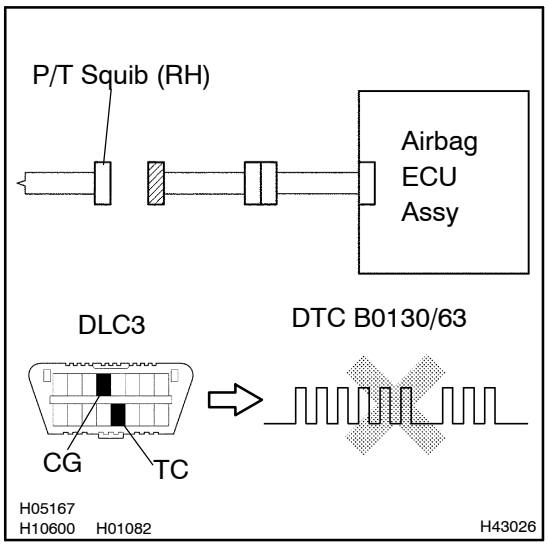
(a) Disconnect the negative (–) terminal cable from the battery and wait at least for 90 seconds.
(b) Disconnect the connector between the airbag ECU assy and the seat belt pretensioner (RH).
(c) Release the airbag activation prevention mechanism of the connector (on the airbag ECU assy side) between the airbag ECU assy and the seat belt pretensioner (RH) (See page 05–312).
(d) 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: 1 MΩ or higher

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) Connect the negative (–) terminal cable to the battery and wait at least for 2 seconds.
(c) Turn the ignition switch to ON and wait at least for 20 seconds.
(d) Clear the DTC stored in the memory (See page 05–312).
(e) Turn the ignition switch to LOCK and wait at least for 20 seconds.
(f) Turn the ignition switch to ON and wait at least for 60 seconds.
(g) Check for DTC (See page 05–312).
OK:
DTC B0130/63 is not output.

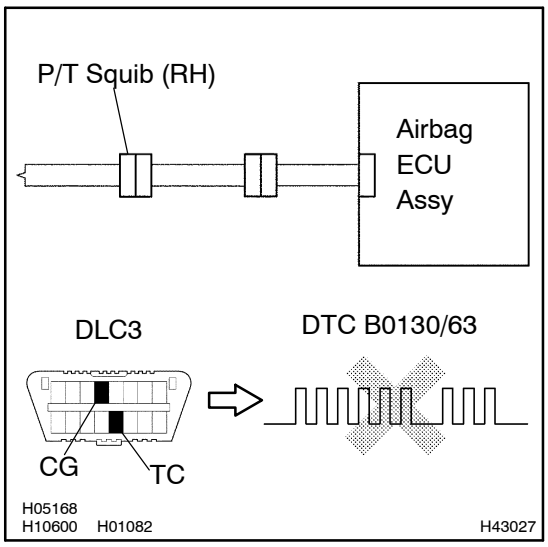
HINT:
Codes other than code B0130/63 may be output at this time, but they are not relevant to this check.

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 LOOK and wait at least for 20 second.
(f) Turn the ignition switch to ON and wait at least for 20 seconds.
(g) Clear the DTC stored in the memory (See page 05–312).
(h) Turn the ignition switch to LOCK and wait at least for 20 seconds.
(i) Turn the ignition switch to ON and wait at least for 60 seconds.
(j) Check for DTC (See page 05–312).

OK:

DTC B0130/63 is not output.

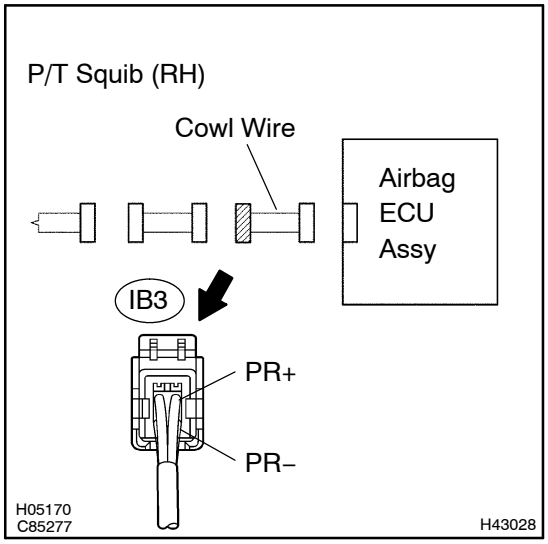
HINT:
Codes other than code B0130/63 may be output at this time, but they are not relevant to this check.

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)

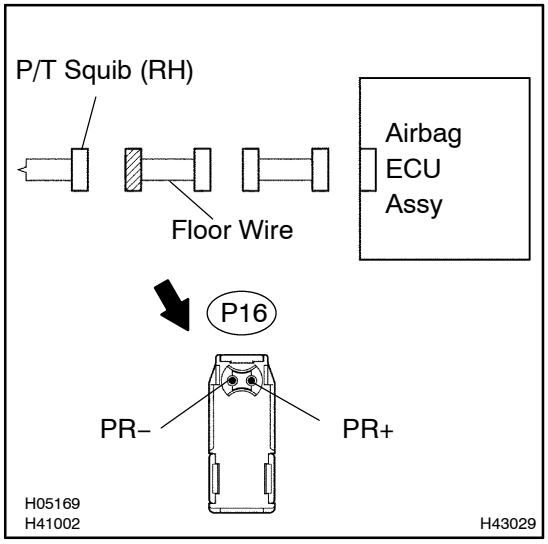


(a) Disconnect the connector between the airbag ECU assy and the seat belt pretensioner (RH).
(b) Disconnect the connectors of the cowl wire.
(c) Release the airbag activation prevention mechanism of the cowl wire connector (on the airbag ECU assy side) (See page 05–312).
(d) For the cowl wire connector (on the seat belt pretensioner side), measure the resistance between terminals PR+ and PR– of the IB3 connector.
OK:
Resistance: 1 MΩ or higher

NG → **REPAIR OR REPLACE COWL WIRE**

OK

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



(a) Release the airbag activation prevention mechanism of the floor wire connector (on the airbag ECU assy side) (See page 05–312).
(b) For the floor wire connector (on the seat belt pretensioner side), measure the resistance between terminals PR+ and PR– of the P16 connector.
OK:
Resistance: 1 MΩ or higher

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

USE SIMULATION METHOD TO CHECK