DIAT8–01

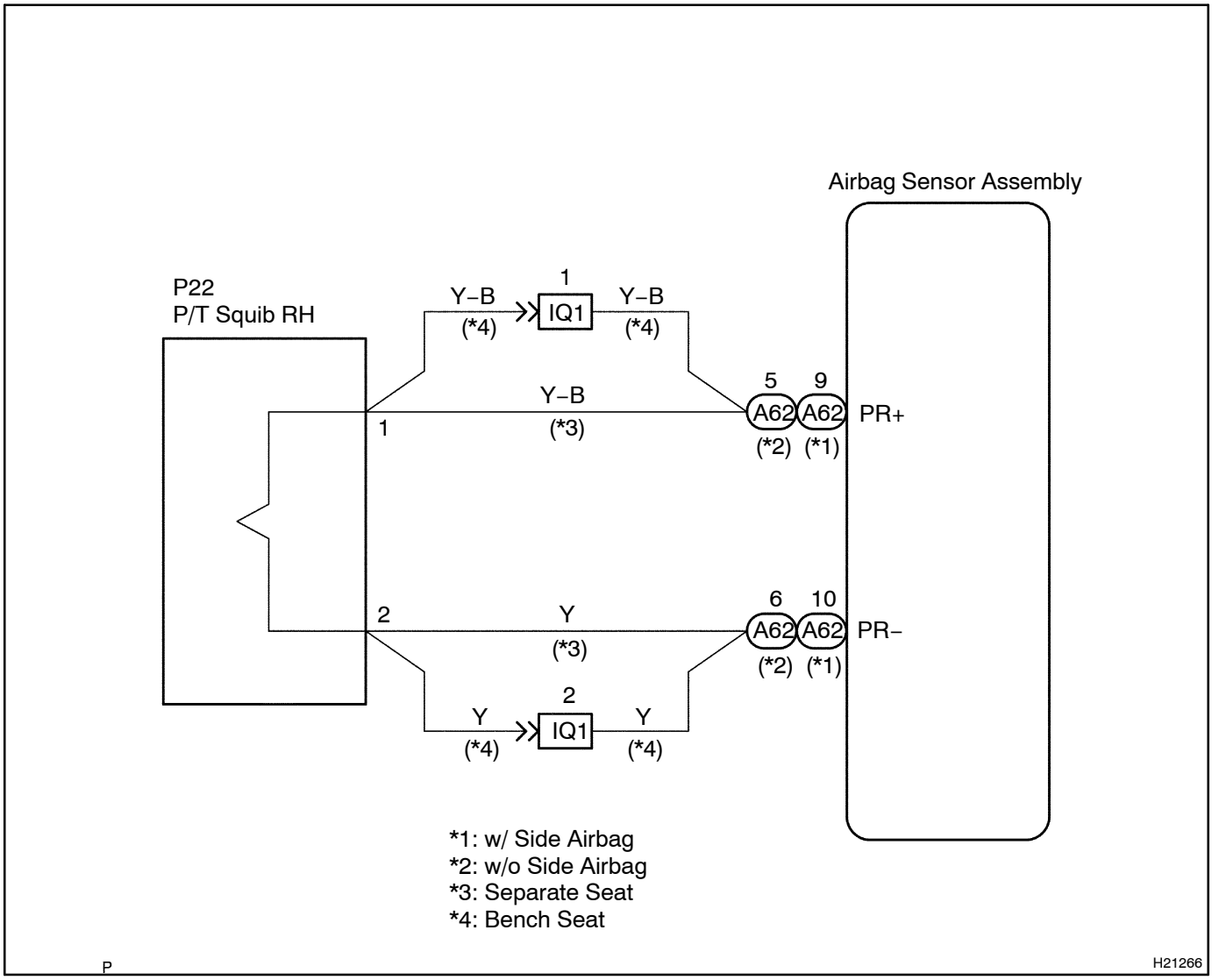
DTC	B0130/63	Short in P/T Squib RH Circuit

CIRCUIT DESCRIPTION

The P/T squib RH circuit consists of the airbag sensor assembly and the seat belt pretensioner RH.
It causes the SRS to deploy when the SRS deployment conditions are satisfied.
For details of the function of each component, see OPERATION on page RS–3.
DTC B0130/63 is recorded when a short is detected in the P/T squib RH circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B0130/63	• Short in P/T squib RH circuit • P/T squib RH malfunction • Airbag sensor assembly malfunction	• Seat belt pretensioner RH (P/T squib RH) • Airbag sensor assembly • Floor No. 2 wire • Dash wire (Bench seat)

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Prepare for inspection (See step 1 on page DI–764).**

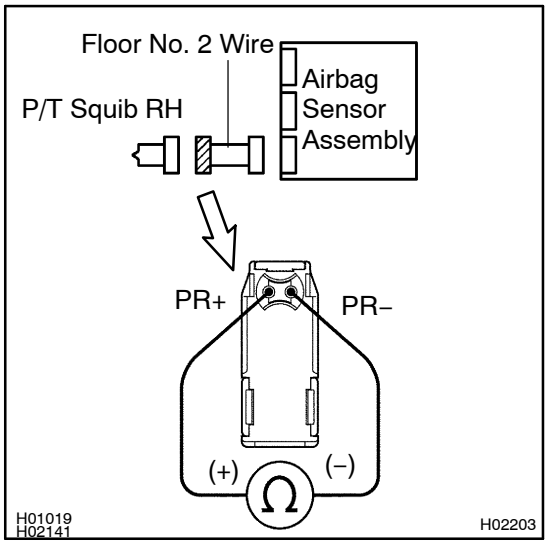
2	**Check seat type.**

CHECK:
Confirm that the type of the front seat.
OK:
A: Separate seat
B: Bench seat

B → **Go to step 6.**

A

3	**Check floor No. 2 wire (P/T squib RH circuit).**

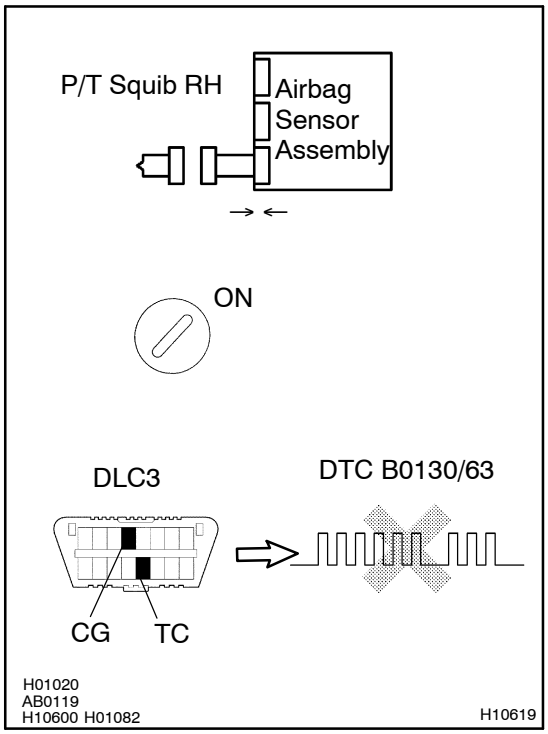


PREPARATION:
Release the airbag activation prevention mechanism built in the connector of the floor No. 2 wire on the airbag sensor assembly side (See page DI–432).
CHECK:
Measure the resistance between PR+ and PR – of the floor No. 2 wire connector on the seat belt pretensioner RH (P/T squib RH) side.
OK:
Resistance: 1 MΩ or Higher

NG → **Repair or replace floor No. 2 wire.**

OK

4	Check airbag sensor assembly.



PREPARATION:

(a) Connect the connector to the airbag sensor assembly.
(b) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

(a) Turn the ignition switch to ON, and wait at least for 10 seconds.
(b) Clear the DTC stored in memory (See page DI–432).
(c) Turn the ignition switch to LOCK, and wait at least for 10 seconds.
(d) Turn the ignition switch to ON, and wait at least for 10 seconds.
(e) Check the DTC (See page DI–432).

OK:

DTC B0 130/63 is not output.

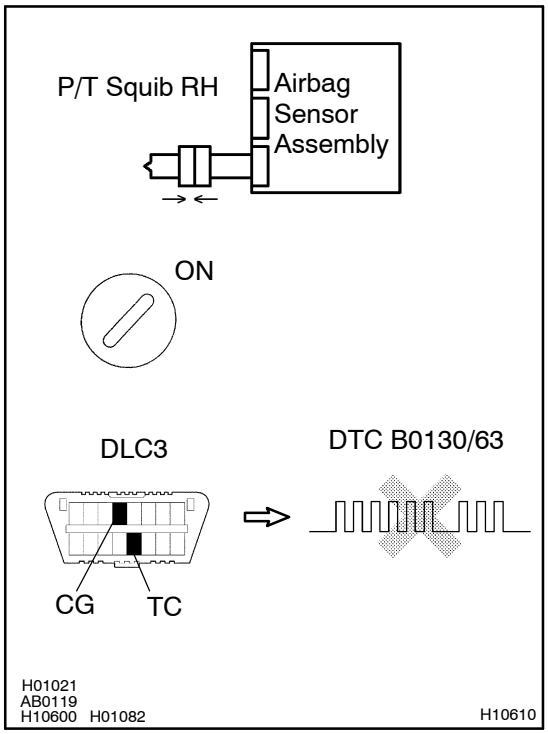
HINT:

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

NG	Replace airbag sensor assembly.

OK

5	Check P/T squib RH.



PREPARATION:

(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 (P/T squib RH) connector.
(d) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

(a) Turn the ignition switch to ON, and wait at least for 10 seconds.
(b) Clear the DTC stored in memory (See page DI–432).
(c) Turn the ignition switch to LOCK, and wait at least for 10 seconds.
(d) Turn the ignition switch to ON, and wait at least for 10 seconds.
(e) Check the DTC (See page DI–432).

OK:

DTC B0 130/63 is not output.

HINT:

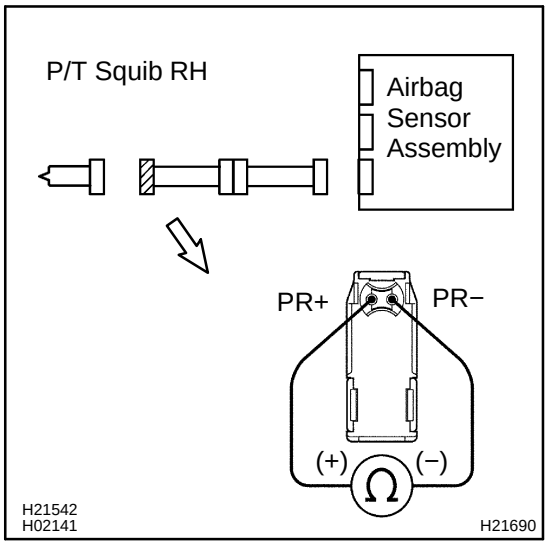
Codes other than code B0130/63 may be output at this time, but they are not relevant to this check.

NG → **Replace seat belt pretensioner RH (P/T squib RH).**

OK

From the results of the above inspection, the malfunctioning part can now be considered normal. To make sure of this, use the simulation method to check.

6	Check P/T squib RH circuit.



PREPARATION:

Release airbag activation prevention mechanism built in the connector on the airbag sensor assembly side between the seat belt pretensioner RH (P/T squib RH) and the airbag sensor assembly (See page DI−432).

CHECK:

Measure the resistance between PR+ and PR− of the connector on the seat belt pretensioner RH (P/T squib RH) side between the airbag sensor assembly and the seat belt pretensioner RH (P/T squib RH).

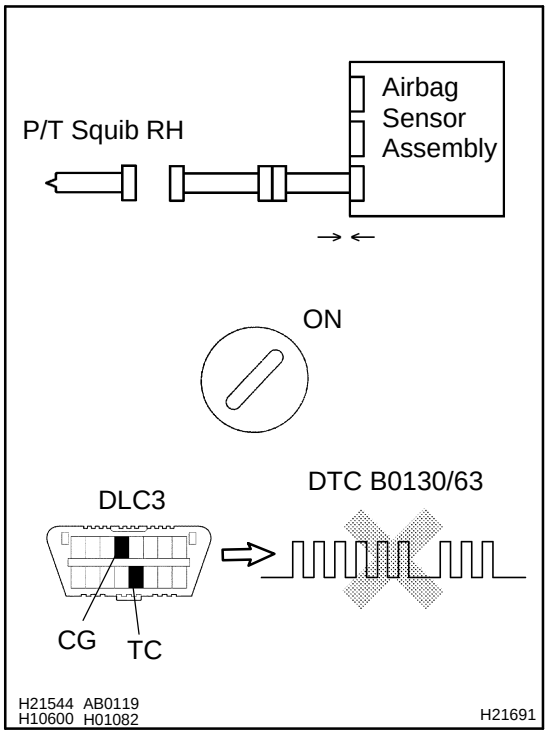
OK:

Resistance: 1 MΩ or Higher

NG → **Go to step 9.**

OK

7	Check airbag sensor assembly.



PREPARATION:

(a) Connect the connector to the airbag sensor assembly.
(b) Connect the negative (−) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

(a) Turn the ignition switch to ON, and wait at least for 10 seconds.
(b) Clear the DTC stored in memory (See page DI−432).
(c) Turn the ignition switch to LOCK, and wait at least for 10 seconds.
(d) Turn the ignition switch to ON, and wait at least for 10 seconds.
(e) Check the DTC (See page DI−432).

OK:

DTC B0130/63 is not output.

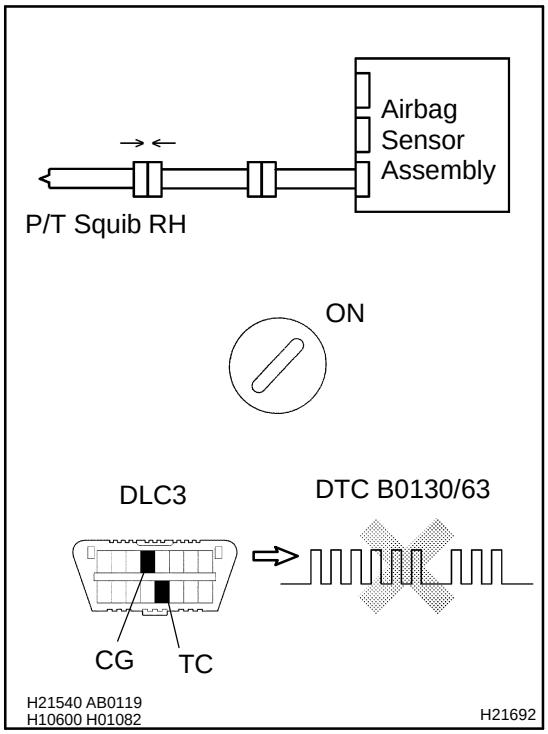
HINT:

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

NG	Replace airbag sensor assembly.

OK

8	Check P/T squib RH.



PREPARATION:

(a) Turn 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 (P/T squib RH) connector.
(d) Connect the negative (−) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

(a) Turn the ignition switch to ON, and wait at least for 10 seconds.
(b) Clear the DTC stored in memory (See page DI−432).
(c) Turn the ignition switch to LOCK, and wait at least for 10 seconds.
(d) Turn the ignition switch to ON, and wait at least for 10 seconds.
(e) Check the DTC (See page DI−432).

OK:

DTC B0130/63 is not output.

HINT:

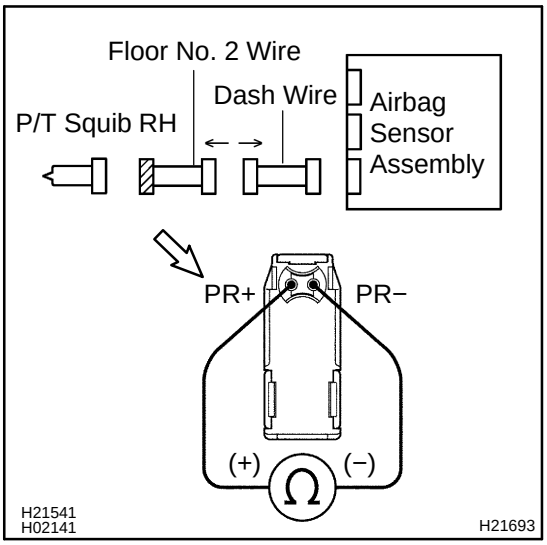
Codes other than code B0130/63 may be output at this time, but they are not relevant to this check.

NG → **Replace seat belt pretensioner RH (P/T squib RH).**

OK

From the results of the above inspection, the malfunctioning part can now be considered normal. To make sure of this, use the simulation method to check.

9	Check floor No. 2 wire.



PREPARATION:

(a) Disconnect floor No. 2 wire connector from the dash wire.

(b) Release airbag activation prevention mechanism built in the connector of the floor No. 2 wire on the airbag sensor assembly side (See page DI−432).

CHECK:

Measure the resistance between PR+ and PR− of the floor No. 2 wire connector on the seat belt pretensioner RH (P/T squib RH) side.

OK:

Resistance: 1 MΩ or Higher

NG → **Repair or replace floor No. 2 wire.**

OK

Repair or replace dash wire.