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 side airbag assembly (RH).
It causes the pretensioner to activate when the pretensioner activation conditions are satisfied.
For details of the function of each component, see OPERATION on .
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 circuit between PR+ wire harness and PR− wire harness of squib • P/T squib (RH) malfunction • Airbag sensor assembly malfunction	• Seat belt pretensioner (RH) • Airbag sensor assembly • Wire harness

WIRING DIAGRAM

H01454
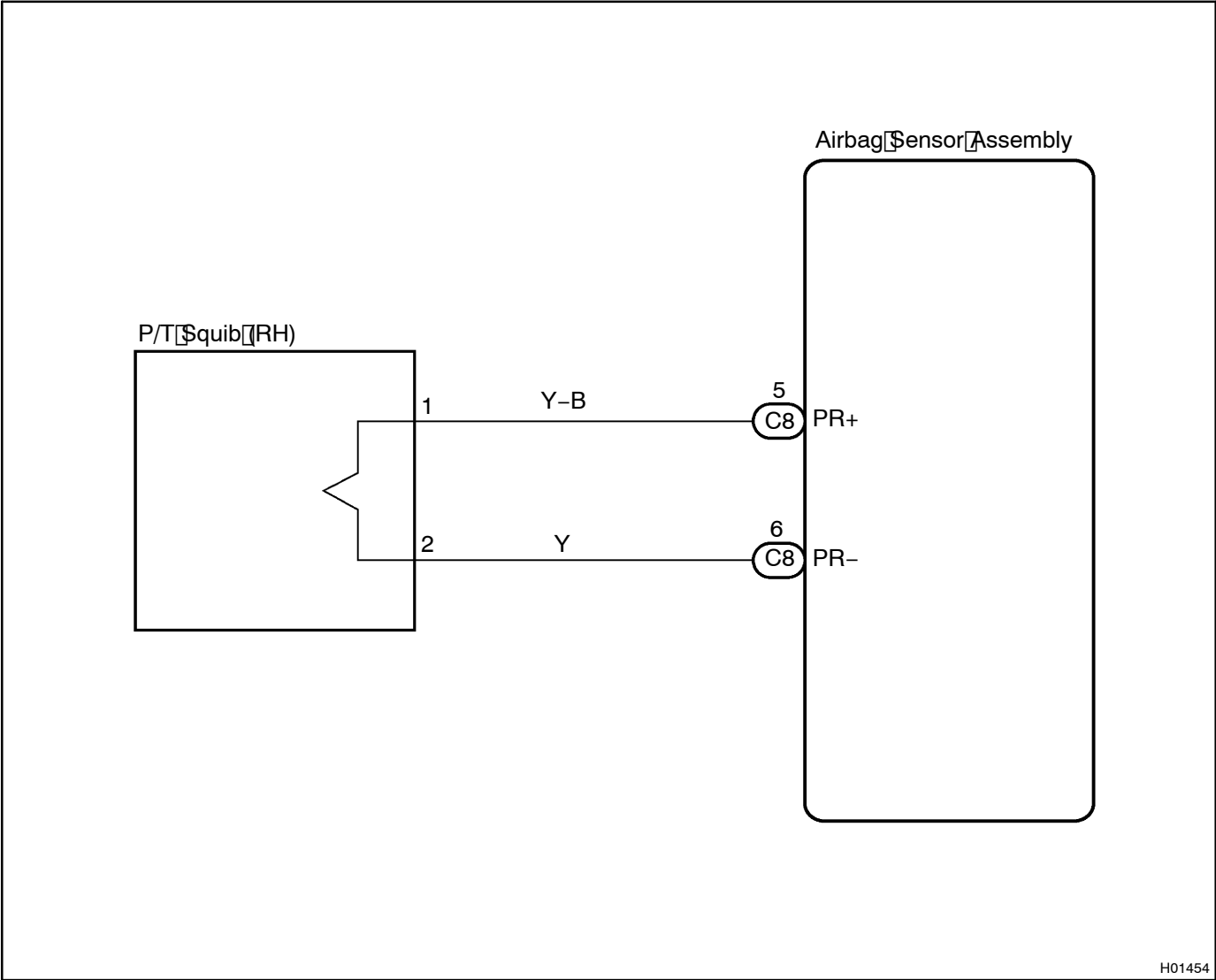
INSPECTION PROCEDURE

1	Prepare for inspection. (See step 1 on **page DI–503**)

2	Check P/T squib (RH) circuit.
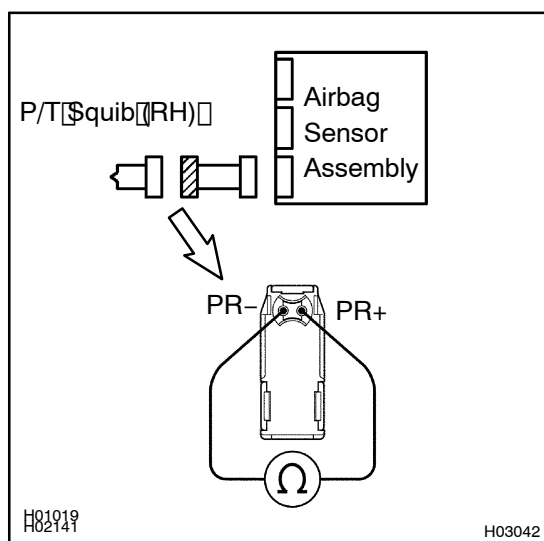
PREPARATION:
Release airbag activation prevention mechanism of the connector (on the airbag sensor assembly side) between the airbag sensor assembly and seat belt pretensioner (RH).
(See page DI–386).
CHECK:
For the connector (on the seat belt pretensioner side) between the seat belt pretensioner (RH) and airbag sensor assembly, measure the resistance between PR+ and PR−.
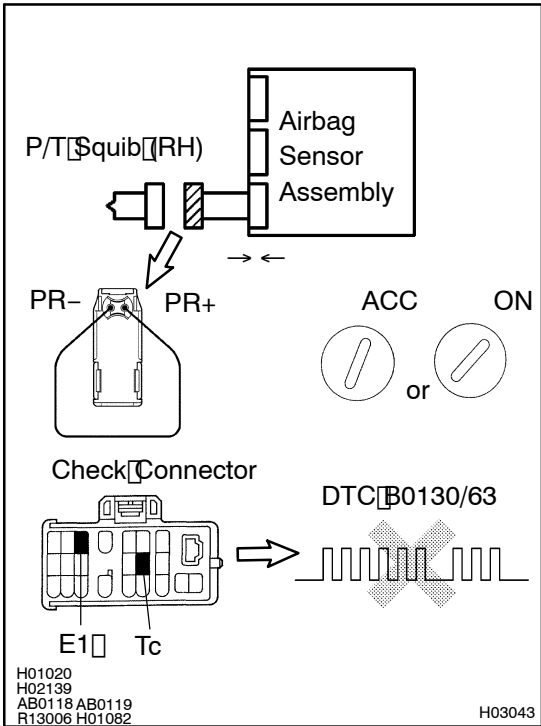**OK:**
   Resistance: 1 MΩ or Higher

NG	Repair or replace harness or connector between the seat belt pretensioner (RH) and airbag sensor assembly.

OK

3	Check airbag sensor assembly.

PREPARATION:

(a) Connect the connector to the airbag sensor assembly.

(b) Using a service wire, connect PR+ and PR– of the connector (on the seat belt pretensioner side) between the airbag sensor assembly and seat belt pretensioner (RH).

(c) Connect negative (–) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

(a) Turn ignition switch to ACC or ON and wait at least for 20 seconds.

(b) Clear DTC stored in memory.
(See page DI–386)

(c) Turn ignition switch to LOCK, and wait at least for 20 seconds.

(d) Turn ignition switch to ACC or ON, and wait at least for 20 seconds.

(e) Check DTC.
(See page DI–386)

OK:

DTC B0130/63 is not output.

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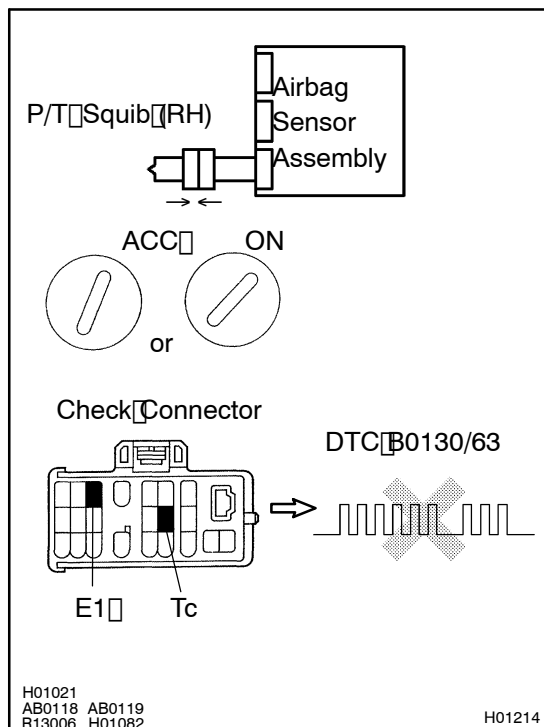
Codes other than DTC B0130/63 may be output at this time, but they are not relevant to this check.

NG	Replace airbag sensor assembly.

P/T Squib (RH)

Airbag Sensor Assembly

PR–   PR+

ACC   ON

or

Check Connector

DTC B0130/63

E1   Tc

H01020
H02139
AB0118 AB0119
R13006 H01082

H03043

OK

4	Check P/T squib (RH).

P/T Squib (RH)

Airbag
Sensor
Assembly

→ ←

ACC   ON

or

Check Connector

DTC B0130/63

E1   Tc

H01021
AB0118 AB0119
R13006 H01082

H01214

PREPARATION:

(a) Turn ignition switch to LOCK.

(b) Disconnect negative (–) terminal cable from the battery, and wait at least for 90 seconds.

(c) Connect the side airbag assembly (RH) connector.

(d) Connect negative (–) terminal cable to the battery, and wait at least the 2 seconds.

CHECK:

(a) Turn ignition switch to LOOK, and at least the 20 second.

(b) Turn ignition switch to ACC or ON, and wait at least the 20 seconds.

(c) Clear DTC stored in memory.
(See page DI–386)

(d) Turn ignition switch to LOCK, and wait at least the 20 seconds.

(e) Turn ignition switch to ACC or ON, and wait at least the 20 seconds.

(f) Check DTC.
(See page DI–386)

OK:

DTC B0130/63 is not output.

HINT:

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

NG	**Replace seat belt pretensioner (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. If the malfunctioning part can not be detected by the simulation method, replace all SRS components including the wire harness.