DI6PD–02

DTC	B1162/81	Short in Curtain Shield Squib (RH) Circuit (to Ground)

CIRCUIT DESCRIPTION

The curtain shield squib (RH) circuit consists of the airbag sensor assembly and curtain shield airbag assembly (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 .

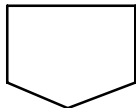DTC B1162/81 is recorded when ground short is detected in the curtain shield squib (RH) circuit.

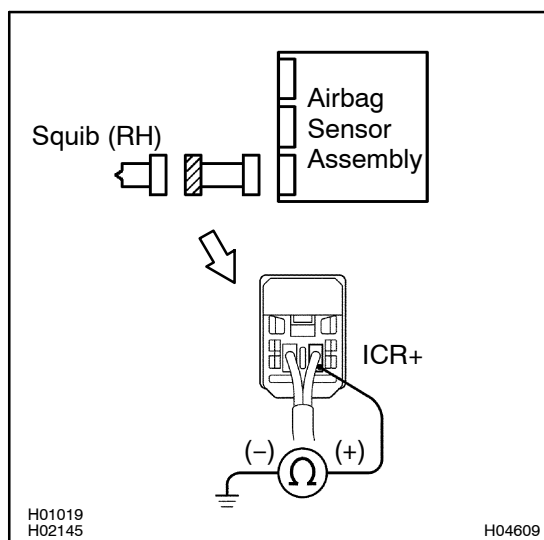| DTC No.	DTC Detecting Condition	Trouble Area
B1162/81	• Short circuit in curtain shield squib (RH) wire harness (to ground) • Curtain shield squib (RH) malfunction • Airbag sensor assembly malfunction	• Curtain shield airbag assembly (RH) • Airbag sensor assembly • Wire harness

WIRING DIAGRAM

INSPECTION PROCEDURE

1	Prepare for inspection (See step 1 on **page DI–540**).

2	Check curtain shield squib (RH) circuit.

Squib (RH)

Airbag Sensor Assembly

ICR+

(−) (Ω) (+)

H01019
H02145
H04609

CHECK:
For the connector (on the curtain shield airbag assembly side) between the curtain shield airbag assembly (RH) and the airbag sensor assembly, measure the resistance between ICR+ and body ground.
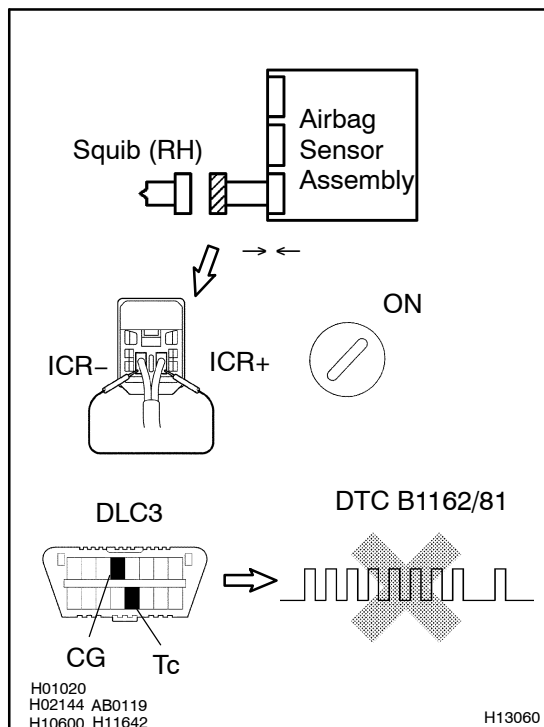
OK:

Resistance: 1 MΩ or Higher

NG	Repair or replace harness or connector between curtain shield airbag assembly (RH) and airbag sensor assembly.

OK

3	Check airbag sensor assembly.

Squib (RH)

Airbag
Sensor
Assembly

ICR−   ICR+

ON

DLC3   DTC B1162/81

CG   Tc

H01020
H02144 AB0119
H10600 H11642
H13060

PREPARATION:
(a) Connect the connector to the airbag sensor assembly.
(b) Using a service wire, connect ICR+ and ICR− of the connector (on the curtain shield airbag assembly side) between the curtain shield airbag assembly (RH) and the airbag sensor assembly.
(c) Connect 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 20 seconds.
(b) Clear the DTC stored in memory (See step 5 on page DI−369).
(c) Turn the ignition switch to LOCK, and wait at least for 20 seconds.
(d) Turn the ignition switch to ON, and wait at least for 20 seconds.
(e) Check the DTC (See page DI−369).
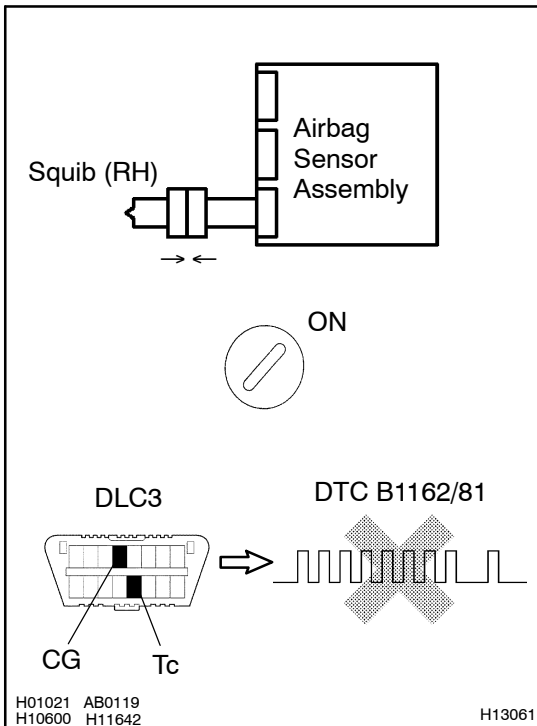
OK:

   DTC B1162/81 is not output.

HINT:
Codes other than code B1162/81 may be output at this time, but they are not relevant to this check.

NG	**Replace airbag sensor assembly.**

OK

4	Check curtain shield squib (RH).

PREPARATION:
(a) Turn the ignition switch to LOCK.
(b) Disconnect negative (−) terminal cable from the battery, and wait at least for 90 seconds.
(c) Connect the curtain shield airbag assembly (RH) connector.
(d) Connect 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 20 seconds.
(b) Clear the DTC stored in memory (See step 5 on page DI–369).
(c) Turn the ignition switch to LOCK, and wait at least for 20 seconds.
(d) Turn the ignition switch to ON, and wait at least for 20 seconds.
(e) Check the DTC (See page DI–369).

OK:

DTC B1162/81 is not output.

HINT:
Codes other than code B1162/81 may be output at this time, but they are not relevant to this check.

NG	Replace curtain shield airbag assembly (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.