

DTC	B1163/82	Short in curtain shield squib (RH) Circuit (to B+)
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CIRCUIT DESCRIPTION

The curtain shield squib (RH) circuit consists of the airbag sensor assy center and curtain shield airbag assy (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-2.

DTC B1163/82 is recorded when a B+ short is detected in the curtain shield squib (RH) circuit.

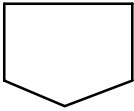
DTC No.	DTC Detecting Condition	Trouble Area
B1163/82	<ul style="list-style-type: none"> • Short circuit in curtain shield squib (RH) wire harness (to B+) • Curtain shield squib (RH) malfunction • Airbag sensor assy center malfunction 	<ul style="list-style-type: none"> • Curtain shield airbag assy (RH) • Airbag sensor assy center • Wire harness

WIRING DIAGRAM

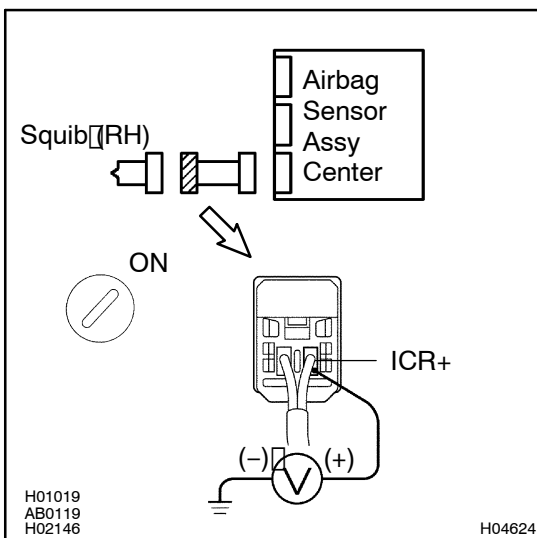
See page DI-448.

INSPECTION PROCEDURE

1	Prepare for inspection (See Pub. No. RM776E on page DI-40).
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2	Check curtain shield squib (RH) circuit.
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CHECK:

- Turn the ignition switch to ON.
- For the connector (on the curtain shield airbag assy side) between the curtain shield airbag assy (RH) and the airbag sensor assy center, measure the voltage between ICR+ and body ground.

OK:

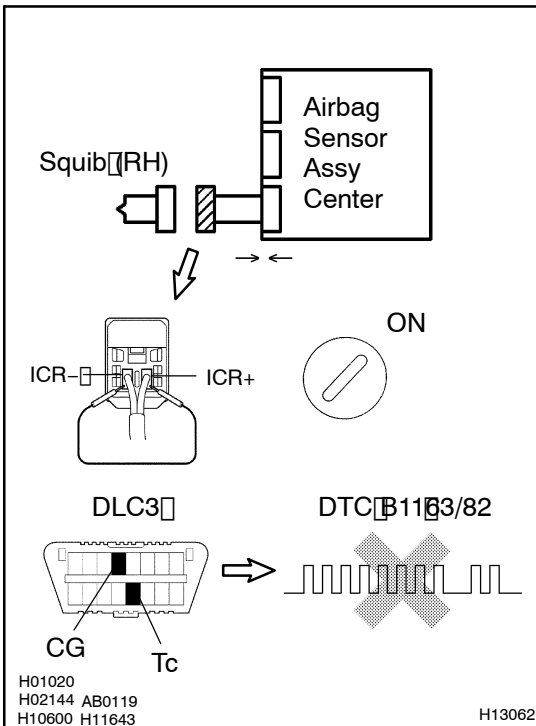
Voltage: 0 V



Repair or replace harness or connector between curtain shield airbag assy (RH) and airbag sensor assy center.



3 Check airbag sensor assy center.



PREPARATION:

- Connect the connector to the airbag sensor assy center.
- Using a service wire, connect ICR+ and ICR- of the connector (on the curtain shield airbag assy side) between the curtain shield airbag assy (RH) and the airbag sensor assy center.
- Connect negative (-) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

- Turn the ignition switch to ON and wait at least for 20 seconds.
- Clear the DTC stored in memory (See page DI-413).
- Turn the ignition switch to LOCK, and wait at least for 20 seconds.
- Turn the ignition switch to ON, and wait at least for 20 seconds.
- Check the DTC (See page DI-413).

OK:

DTC B1163/82 is not output.

HINT:

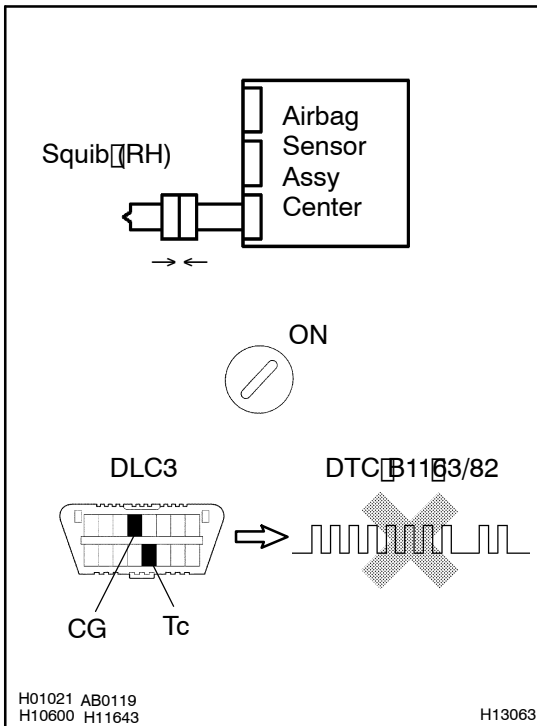
Codes other than code B1163/82 may be output at this time, but they are not relevant to this check.

NG

Replace airbag sensor assy center.

OK

4 Check curtain shield squib (RH).



PREPARATION:

- Turn the ignition switch to LOCK.
- Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- Connect the curtain shield airbag assy (RH) connector.
- Connect the negative (-) terminal cable to the battery, and wait at least for 2 seconds.

CHECK:

- Turn the ignition switch to ON, and wait at least for 20 seconds.
- Clear the DTC stored in memory (See page DI-413).
- Turn the ignition switch to LOCK, and wait at least for 20 seconds.
- Turn the ignition switch to ON, and wait at least for 20 seconds.
- Check the DTC (See page DI-413).

OK:

DTC B1163/82 is not output.

HINT:

Codes other than code B1163/82 may be output at this time, but they are not relevant to this check.

NG

Replace curtain shield airbag assy (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.