DTC	B1163/82	SHORT IN CURTAIN SHIELD SQUIB (RH) CIRCUIT (TO B+)

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

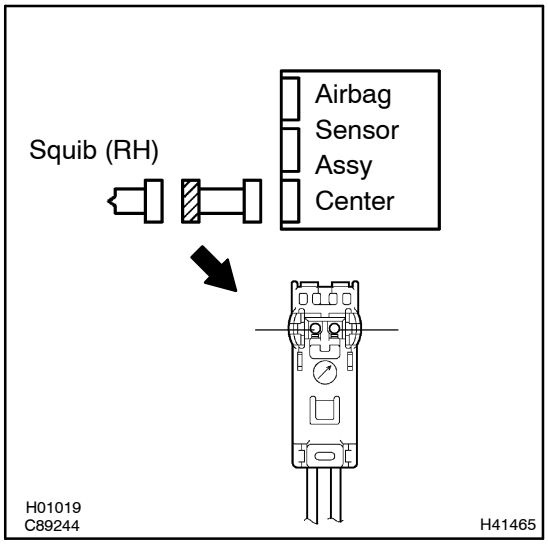
DTC No.	DTC Detecting Condition	Trouble Area
B1163/82	• Short circuit in curtain shield squib (RH) wire harness (to B+) • Curtain shield squib (RH) malfunction • Airbag sensor assy center malfunction	• Curtain shield airbag assy (RH) • Airbag sensor assy center • Wire harness

WIRING DIAGRAM

See page 05–908.

INSPECTION PROCEDURE

1	CHECK CURTAIN SHIELD SQUIB(RH) CIRCUIT(AIRBAG SENSOR ASSY CENTER – CURTAIN SHIELD AIRBAG ASSY RH)



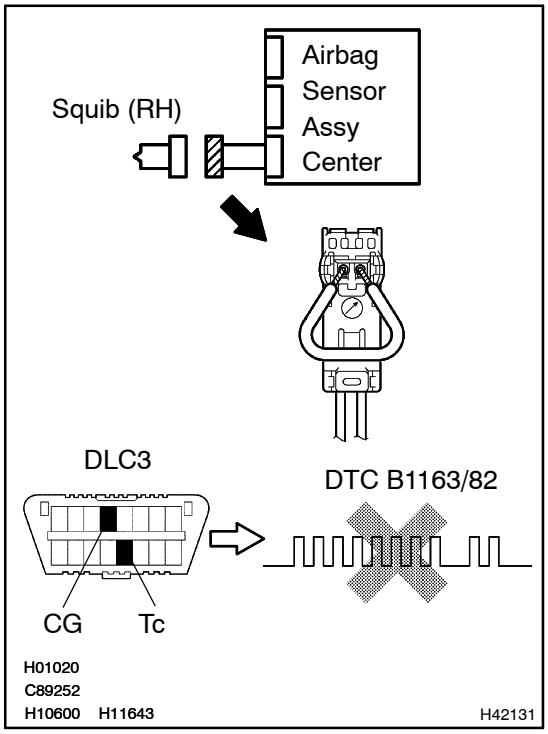
(a) Disconnect the negative (–) terminal cable from the battery, and wait at least for 90 seconds.
(b) Disconnect the connectors between the airbag sensor assy center and the curtain shield airbag assy (RH).
(c) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
(d) Turn the ignition switch to ON.
(e) For the connector (on the curtain shield airbag assy side) between the airbag sensor assy center and the curtain shield airbag assy (RH), measure the voltage between ICR+ and body ground.
OK:
Voltage: Below 1 V

NG → **REPAIR OR REPLACE WIRE HARNESS(AIRBAG SENSOR ASSY CENTER – CURTAIN SHIELD AIRBAG ASSY RH)**

OK

2 CHECK AIR BAG SENSOR ASSY CENTER

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 connector to the airbag sensor assy center.
(d) Using a service wire, connect ICR+ and ICR– of the connector (on the curtain shield airbag assy side) between the airbag sensor assy center and the curtain shield airbag assy (RH).
(e) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
(f) Turn the ignition switch to ON, and wait at least for 20 seconds.
(g) Clear the DTC stored in memory (See page 05–758).
(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 20 seconds.
(j) Check the DTC (See page 05–758).

OK:

DTC B1163/82 is not output.

HINT:

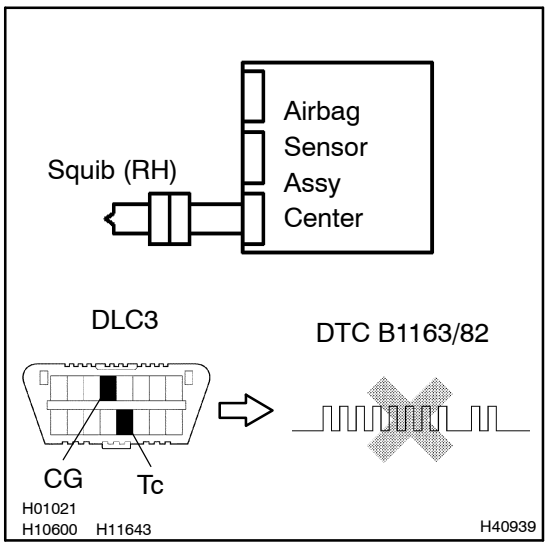
Codes other than code B1163/82 may be output at this time, but they are not relevant to this check.

NG → **REPLACE AIR BAG SENSOR ASSY CENTER**

OK

3	CHECK CURTAIN SHIELD 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 curtain shield airbag assy (RH) connector.
(d) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
(e) Turn the ignition switch to ON, and wait at least for 20 seconds.
(f) Clear the DTC stored in memory (See page 05–758).
(g) Turn the ignition switch to LOCK, and wait at least for 20 seconds.
(h) Turn the ignition switch to ON, and wait at least for 20 seconds.
(i) Check the DTC (See page 05–758).

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 AIR BAG ASSY RH**

OK

4	USE SIMULATION METHOD TO CHECK

NG → **Go to step 1**

OK

REPLACE ALL SRS COMPONENTS INCLUDING THE WIRE HARNESS