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 the curtain shield airbag assy RH.

The circuit instructs the SRS to deploy when deployment conditions are met.

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

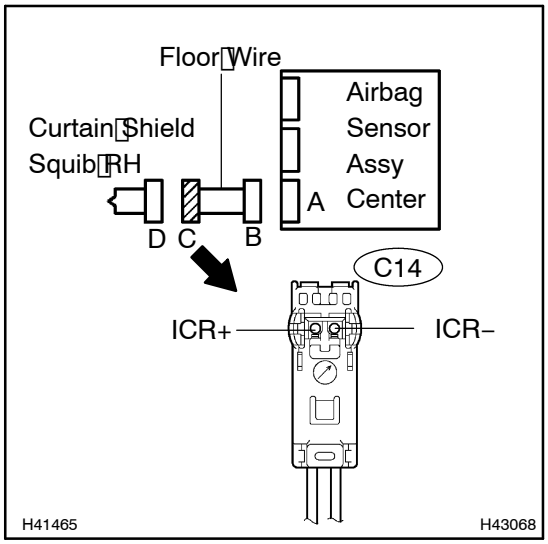
DTC No.	DTC Detecting Condition	Trouble Area
B1163/82	• Short circuit in curtain shield squib RH wire harness (to B+) • Curtain shield squib RH malfunction • Airbag sensor assy center malfunction	• Curtain shield airbag assy RH (Curtain shield squib RH) • Airbag sensor assy center • Floor wire

WIRING DIAGRAM

See page 05-656.

INSPECTION PROCEDURE

1	CHECK FLOOR WIRE (CURTAIN SHIELD SQUIB RH CIRCUIT)



(a) Turn the ignition switch to the LOCK position.

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

(c) Disconnect the connectors from the airbag sensor assy center and the curtain shield airbag assy RH.

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

(e) Turn the ignition switch to the ON position.

(f) Measure the voltage according to the value(s) in the table below.

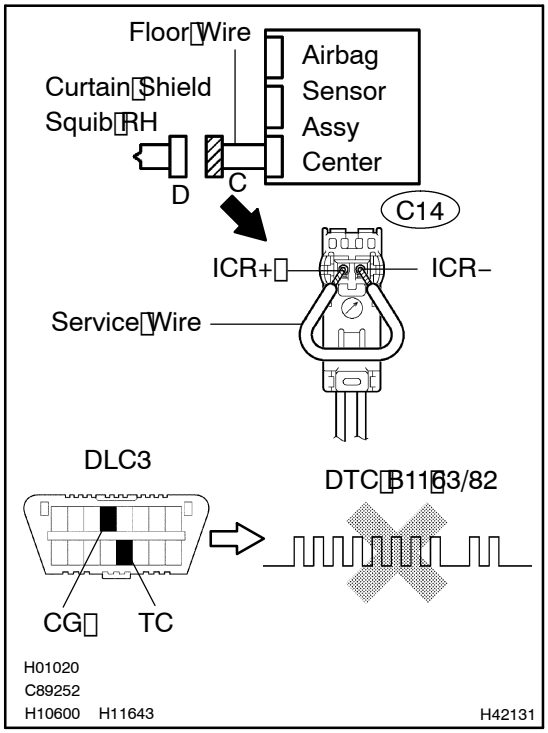
Standard:

Tester connection	Condition	Specified condition
C14-1 (ICR+) – Body ground	Ignition switch ON	Below 1 V
C14-2 (ICR–) – Body ground	Ignition switch ON	Below 1 V

NG	REPAIR OR REPLACE FLOOR WIRE

OK

2 CHECK AIR BAG SENSOR ASSY CENTER



(a) Turn the ignition switch to the LOCK position.
(b) Disconnect the negative (–) terminal cable from the battery, and wait for at least 90 seconds.
(c) Connect the connector to the airbag sensor assy center.
(d) Using a service wire, connect C14–1 (ICR+) and C14–2 (ICR–) of connector "C".

NOTICE:

- **Twist the end of the service wire in order to insert it into the connector.**
- **Do not forcibly insert the twisted service wire into the terminals of the connector when connecting.**

(e) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
(f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(g) Clear the DTCs stored in memory (see page 05–513).
(h) Turn the ignition switch to the LOCK position.
(i) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(j) Check the DTCs (see page 05–513).

OK:

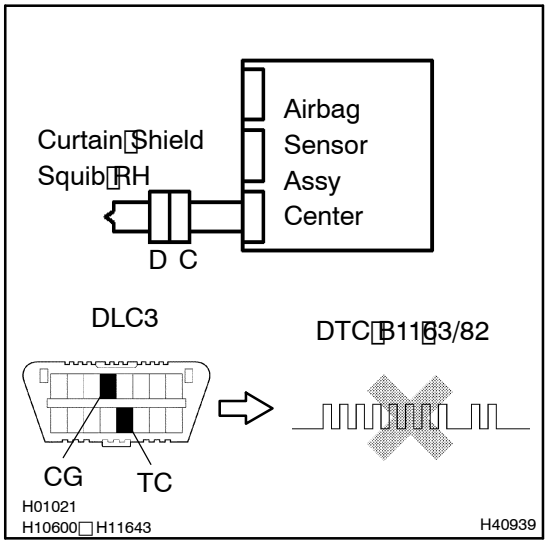
DTC B1163/82 is not output.

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

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

OK

3	CHECK CURTAIN SHIELD AIRBAG ASSY RH(CURTAIN SHIELD SQUIB RH)



(a) Turn the ignition switch to the LOCK position.
(b) Disconnect the negative (–) terminal cable from the battery, and wait for at least 90 seconds.
(c) Disconnect the service wire from connector "C".
(d) Connect the connector to the curtain shield airbag assy RH.
(e) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
(f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(g) Clear the DTCs stored in memory (see page 05–513).
(h) Turn the ignition switch to the LOCK position.
(i) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(j) Check the DTCs (see page 05–513).
OK:
DTC B1163/82 is not output.

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

NG → **REPLACE CURTAIN SHIELD AIRBAG ASSY RH**

OK

USE SIMULATION METHOD TO CHECK

HINT:

- Before performing the simulation method, check that the airbag sensor assy center is in check mode (see page 05–516).
- Perform the simulation method by selecting the check mode with the hand–held tester (see page 05–516).
- After selecting the check mode, perform the simulation method by wiggling each connector of the airbag system or driving the vehicle on a city or rough road (see page 05–516).