

|            |                 |                                                         |
|------------|-----------------|---------------------------------------------------------|
| <b>DTC</b> | <b>B1163/82</b> | <b>Short in Curtain Shield Squib RH Circuit (to B+)</b> |
|------------|-----------------|---------------------------------------------------------|

## CIRCUIT DESCRIPTION

The curtain shield squib RH circuit consists of the airbag sensor assembly and the 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 page RS-3.

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"> <li>• Short in curtain shield squib RH circuit (to B+)</li> <li>• Curtain shield squib RH malfunction</li> <li>• Airbag sensor assembly malfunction</li> </ul> | <ul style="list-style-type: none"> <li>• Curtain shield airbag assembly RH (Curtain shield squib RH)</li> <li>• Airbag sensor assembly</li> <li>• Floor No. 2 wire</li> </ul> |

**HINT:**

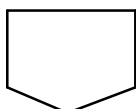
DTC B1163/82 is indicated only for the vehicle equipped with the side airbag.

## WIRING DIAGRAM

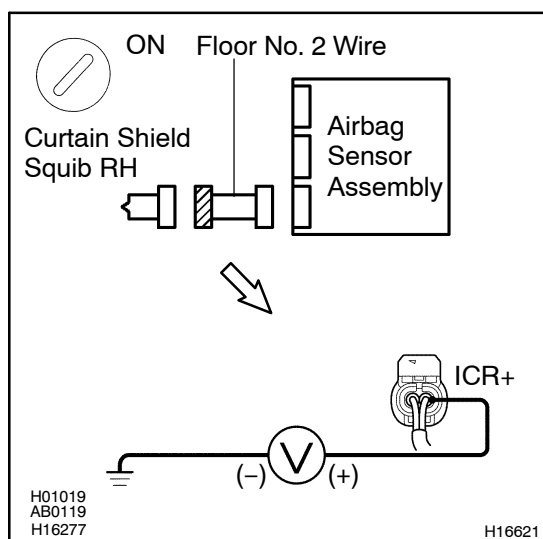
See page DI-687.

## INSPECTION PROCEDURE

|          |                                                            |
|----------|------------------------------------------------------------|
| <b>1</b> | <b>Prepare for inspection (See step 1 on page DI-754).</b> |
|----------|------------------------------------------------------------|



|          |                                                                  |
|----------|------------------------------------------------------------------|
| <b>2</b> | <b>Check floor No. 2 wire (curtain shield squib RH circuit).</b> |
|----------|------------------------------------------------------------------|



### PREPARATION:

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

### CHECK:

- Turn the ignition switch to ON.
- Measure the voltage between the body ground and ICR+ of the floor No. 2 wire connector on the curtain shield airbag assembly RH (curtain shield squib RH) side.

### OK:

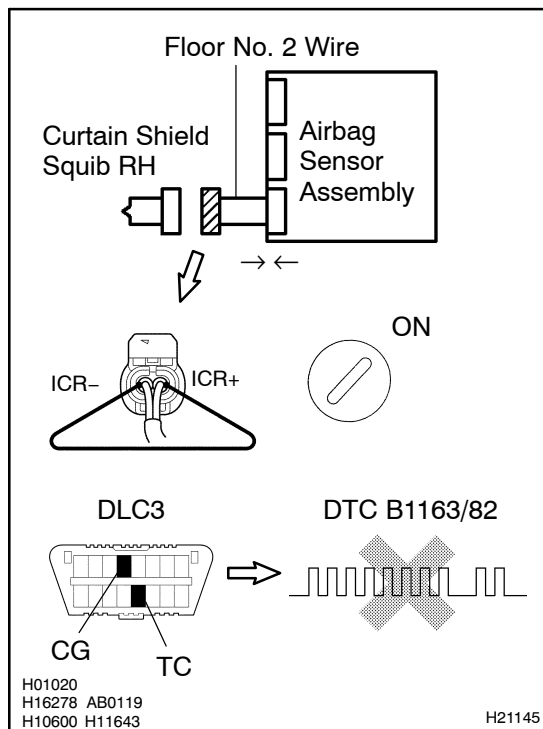
**Voltage: Below 1 V**

**NG**

**Replace floor No. 2 wire.**

**OK**

### 3 Check airbag sensor assembly.



#### PREPARATION:

- Turn the ignition switch to LOCK.
- Disconnect the negative (-) terminal cable from the battery, and wait at least for 90 seconds.
- Connect the connector to the airbag sensor assembly.
- Using a service wire, connect ICR+ and ICR- of the floor No. 2 wire connector on the curtain shield airbag assembly RH (curtain shield squib RH) side.
- 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 10 seconds.
- Clear the DTC stored in memory (See page [DI-523](#)).
- Turn the ignition switch to LOCK, and wait at least for 10 seconds.
- Turn the ignition switch to ON, and wait at least for 10 seconds.
- Check the DTC (See page [DI-523](#)).

#### OK:

**DTC B1163/82 is not output.**

#### HINT:

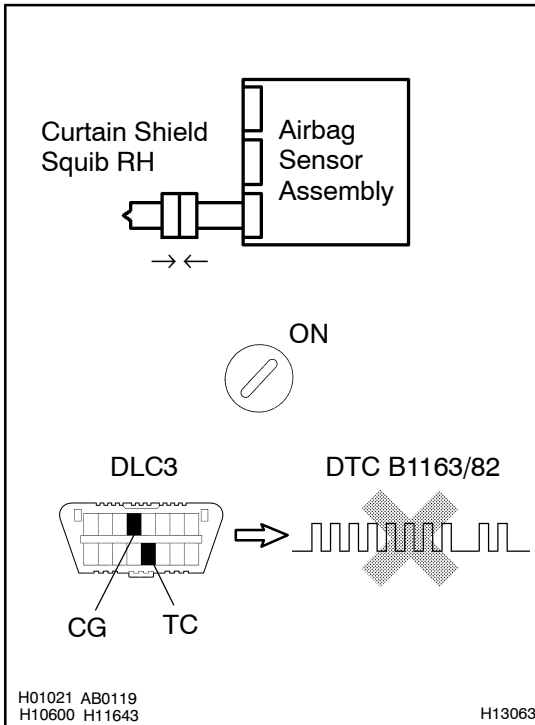
Codes other than code B1163/82 may be output at this time, but they are not relevant to this check.

**NG**

**Replace airbag sensor assembly.**

**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 assembly RH (curtain shield squib 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 10 seconds.
- Clear the DTC stored in memory (See page [DI-523](#)).
- Turn the ignition switch to LOCK, and wait at least for 10 seconds.
- Turn the ignition switch to ON, and wait at least for 10 seconds.
- Check the DTC (See page [DI-523](#)).

## 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 assembly RH (curtain shield squib 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.**