DTC	B 1155/39	Curtain Shield Airbag Sensor Assembly LH Malfunction

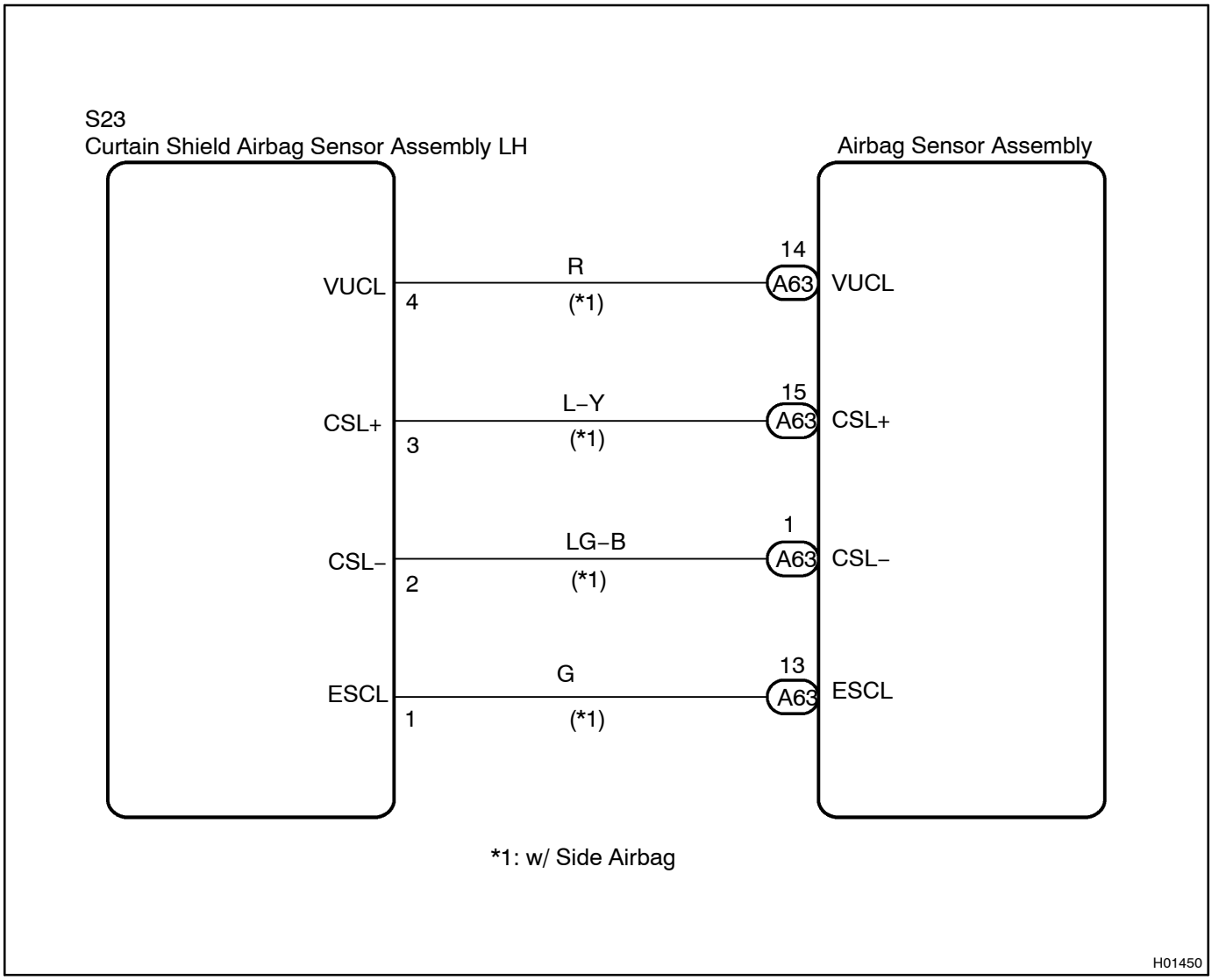
CIRCUIT DESCRIPTION

The curtain shield airbag sensor assembly LH consists of the safing sensor, diagnosis circuit and lateral deceleration sensor, etc.
It receives signals from the lateral deceleration sensor, judges whether or not the SRS must be activated, and detects diagnosis system malfunction.
DTC B1155/39 is recorded when occurrence of a malfunction in the curtain shield airbag sensor assembly LH is detected.

DTC No.	DTC Detecting Condition	Trouble Area
B1155/39	• Curtain shield airbag sensor assembly LH malfunction	• Curtain shield airbag sensor assembly LH • Floor No. 1 wire • Airbag sensor assembly

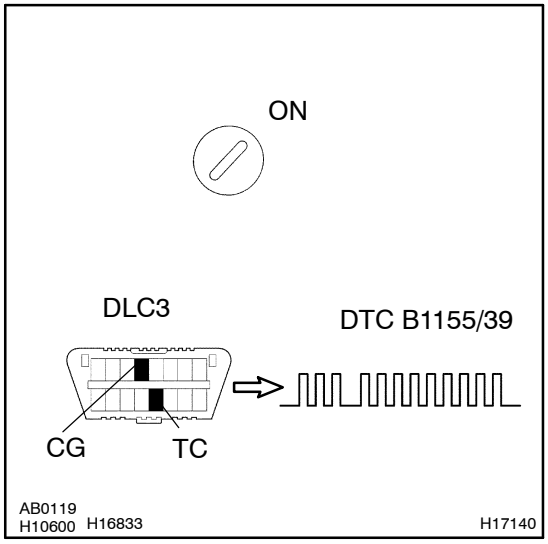
HINT:
DTC B1155/39 is indicated only for the vehicle equipped with the side airbag.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Is DTC B1155/39 output?



CHECK:

(a) Turn the ignition switch to ON, and wait at least for 10 seconds.
(b) Clear the DTC stored in memory (See page DI–432).
(c) Turn the ignition switch to LOCK, and wait at least for 10 seconds.
(d) Turn the ignition switch to ON, and wait at least for 10 seconds.
(e) Check the DTC (See page DI–432).

OK:

DTC B1155/39 is output.

HINT:

Codes other than code B1155/39 may be output at this time, but they are not relevant to this check.

YES → **The malfunctioning part can now be considered normal. To make sure of this, use the simulation method to check.**

NO

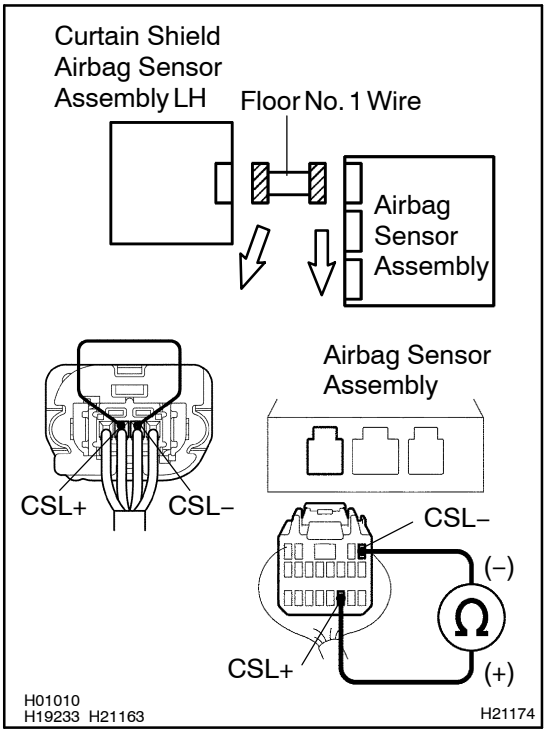
2	Is connector of curtain shield airbag sensor assembly LH properly connected?

NO → **Connect connector.**

YES

3	Prepare for inspection (See step 1 on page DI–764).

4 Check floor No. 1 wire.



PREPARATION:

Using a service wire, connect CSL+ and CSL – of the floor No. 1 wire connector on the curtain shield airbag sensor assembly LH side.

CHECK:

Measure the resistance between CSL+ and CSL – of the floor No. 1 wire connector on the airbag sensor assembly side.

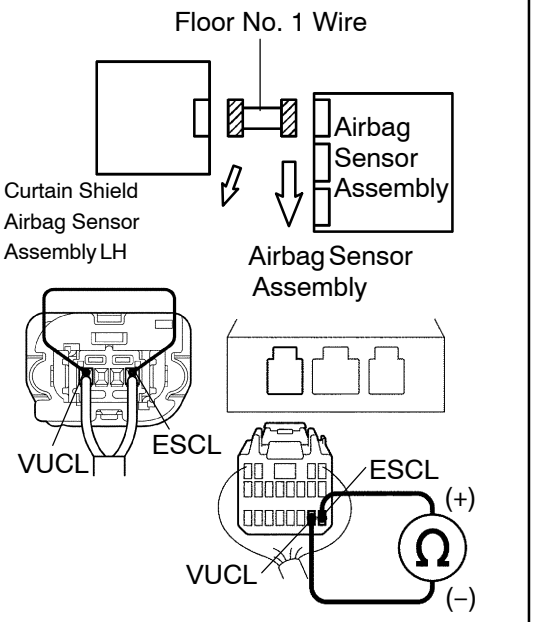
OK:

Resistance: Below 1 Ω

NG → **Repair or replace floor No. 1 wire.**

OK

5 Check floor No. 1 wire.



PREPARATION:

Using a service wire, connect VUCL and ESCL of the floor No. 1 wire connector on the curtain shield airbag sensor assembly LH side.

CHECK:

Measure the resistance between VUCL and ESCL of the floor No. 1 wire connector on the airbag sensor assembly side.

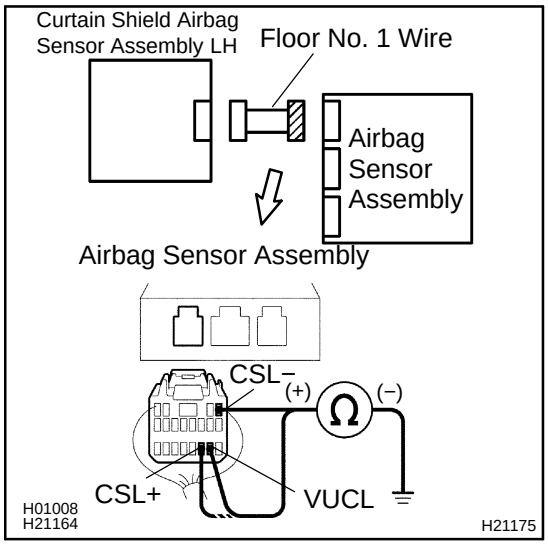
OK:

Resistance: Below 1 Ω

NG → **Repair or replace floor No. 1 wire.**

OK

6	**Check floor No. 1 wire (to ground).**



CHECK:

Measure the resistance between the body ground and each of VUCL, CSL+ and CSL− of the floor No. 1 wire connector on the airbag sensor assembly side.

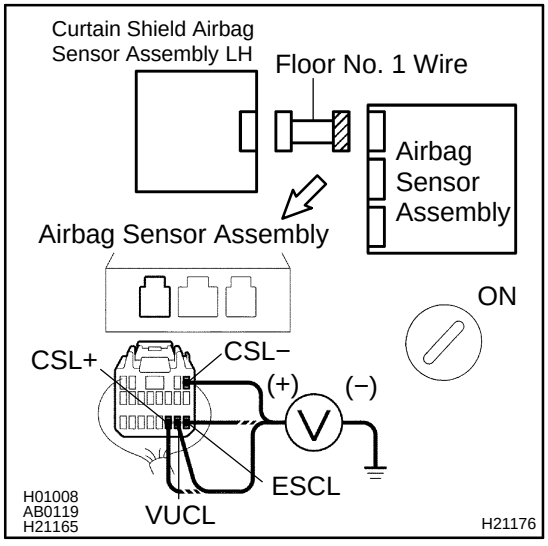
OK:

Resistance: 10 kΩ or Higher

NG → **Repair or replace floor No. 1 wire.**

OK

7	**Check floor No. 1 wire (to B+).**



PREPARATION:

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

CHECK:

(a) Turn the ignition switch to ON.

(b) Measure the voltage between the body ground and each of VUCL, CSL+, CSL− and ESCL of the floor No. 1 wire connector on the airbag sensor assembly side.

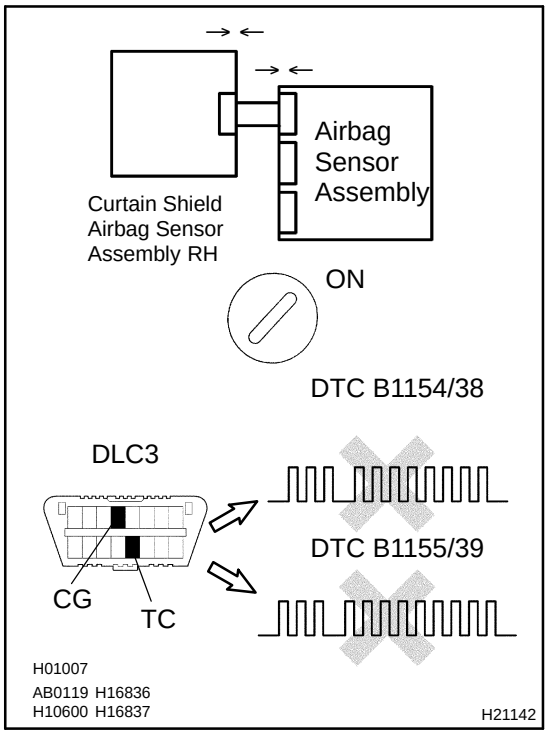
OK:

Voltage: Below 1 V

NG → **Repair or replace floor No. 1 wire.**

OK

8	Check airbag sensor assembly.



PREPARATION:

(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 assembly.
(d) Change the curtain shield airbag sensor assembly RH position with LH position.
(e) Connect the 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 10 seconds.
(b) Clear the DTC stored in memory (See page DI−432).
(c) Turn the ignition switch to LOCK, and wait at least for 10 seconds.
(d) Turn the ignition switch to ON, and wait at least for 10 seconds.
(e) Check the DTC (See page DI−432).

OK:

Neither DTC B1155/39 nor B1154/38 are not output.

HINT:

Codes other than code B1155/39 B1154/38 may be output at this time, but they are not relevant to this check.

NG → **Replace airbag sensor assembly (DTC B1155/39 is output).**

NG → **Replace curtain shield airbag sensor assembly LH (DTC B1154/38 is output).**

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.