DTC	B1155/39	AIRBAG SENSOR REAR (LH) MALFUNCTION

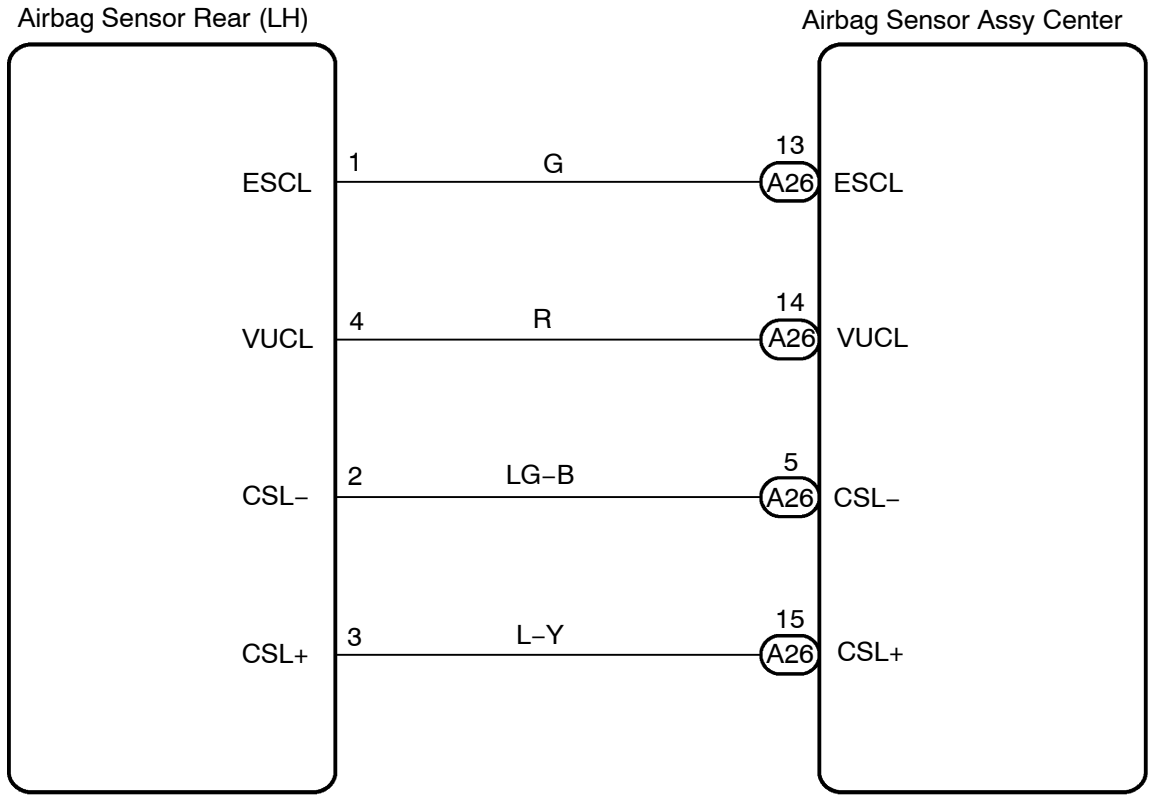
CIRCUIT DESCRIPTION

The airbag sensor rear (LH) circuit 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 airbag sensor rear (LH) is detected.

DTC No.	DTC Detecting Condition	Trouble Area
B1155/39	• Short circuit in wire harness of airbag sensor rear LH (to ground) • Short circuit in wire harness of airbag sensor rear LH (to B+) • Open circuit in wire harness of airbag sensor rear LH • Airbag sensor rear LH malfunction • Airbag sensor assy center malfunction	• Airbag sensor rear (LH) • Airbag sensor assy center • Wire harness

WIRING DIAGRAM

w/ Curtain Shield Airbag:

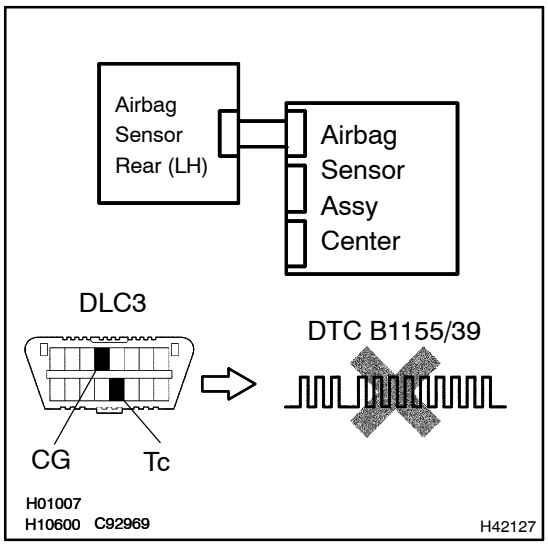


H01450

INSPECTION PROCEDURE

1 CHECK AIR BAG SENSOR REAR LH

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(a) Turn the ignition switch to ON, and wait at least for 20 seconds.
(b) Clear the DTC stored in memory (See page 05–758).
(c) Turn the ignition switch to LOCK, and wait at least for 20 seconds.
(d) Turn the ignition switch to ON, and wait at least for 20 seconds.
(e) Check the DTC (See page 05–758).
OK:
DTC B1154/38 is not output.

HINT:
During this check, DTC B1154/38 may also be output at this same time. In this case, check DTC B1154/38 before DTC B1155/39.

OK → **USE SIMULATION METHOD TO CHECK**

NG

2 CHECK AIRBAG SENSOR ASSY CENTER CONNECTOR

(a) Turn the ignition switch to LOCK.
(b) Disconnect the negative (–) terminal cable from the battery, and wait at least for 90 seconds.
(c) Check that the connector is properly connected to the airbag sensor assy center.
OK:
The connectors are connected.

NG → **CONNECT CONNECTORS**

OK

3 CHECK AIRBAG SENSOR REAR CONNECTOR

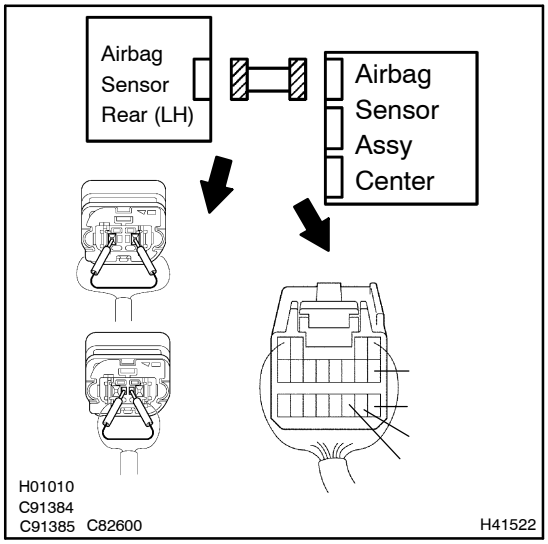
(a) Check that the connector is properly connected to the airbag sensor rear (LH).
OK:
The connector is connected.

NG → **CONNECT CONNECTORS**

OK

4	CHECK AIRBAG SENSOR REAR LH CIRCUIT(OPEN)(AIRBAG SENSOR ASSY CENTER – AIRBAG SENSOR REAR LH)

SST 09843–18040



(a) Disconnect the connector between the airbag sensor assy center and airbag sensor rear (LH).

(b) Using a service wire, connect VUCL and ESCL of the connector (on the airbag sensor rear side) between the airbag sensor assy center and the airbag sensor rear (LH).

(c) Using a service wire, connect CSL+ and CSL– of the connector (on the airbag sensor rear side) between the airbag sensor assy center and the airbag sensor rear (LH).

(d) For the connector (on the airbag sensor assy center side) between the airbag sensor assy center and the airbag sensor rear (LH), measure the resistance between VUCL and ESCL, and between CSL+ and CSL–.

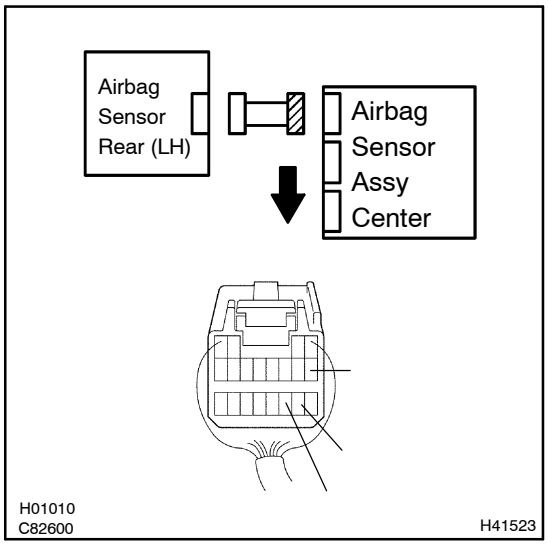
OK:

Resistance: Below 1 Ω

NG	REPAIR OR REPLACE WIRE HARNESS(AIRBAG SENSOR ASSY CENTER – AIRBAG SENSOR REAR LH)

OK

5	CHECK AIRBAG SENSOR REAR LH CIRCUIT(TO GROUND)(AIRBAG SENSOR ASSY CENTER – AIRBAG SENSOR REAR LH)



(a) Release the service wire of the connector (on the airbag sensor rear side) between the airbag sensor assy center and the airbag sensor rear (LH).

(b) For the connector (on the airbag sensor assy center side) between the airbag sensor assy center and the airbag sensor rear (LH), measure the resistance between body ground and each of VUCL, CSL– and CSL+.

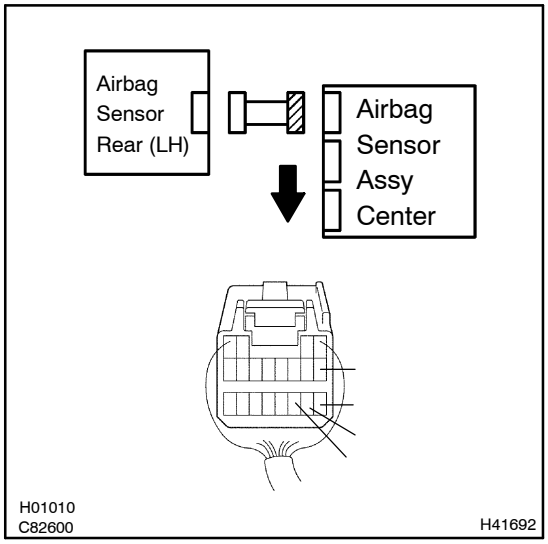
OK:

Resistance: 1 MΩ or Higher

NG	REPAIR OR REPLACE WIRE HARNESS(AIRBAG SENSOR ASSY CENTER – AIRBAG SENSOR REAR LH)

OK

6	CHECK AIRBAG SENSOR REAR LH CIRCUIT(AIRBAG SENSOR ASSY CENTER – AIRBAG SENSOR REAR LH)



(a) For the connector (on the airbag sensor assy center side) between the airbag sensor assy center and the airbag sensor rear (LH), measure the resistance between VUCL and ESCL, and between CSL+ and CSL–.

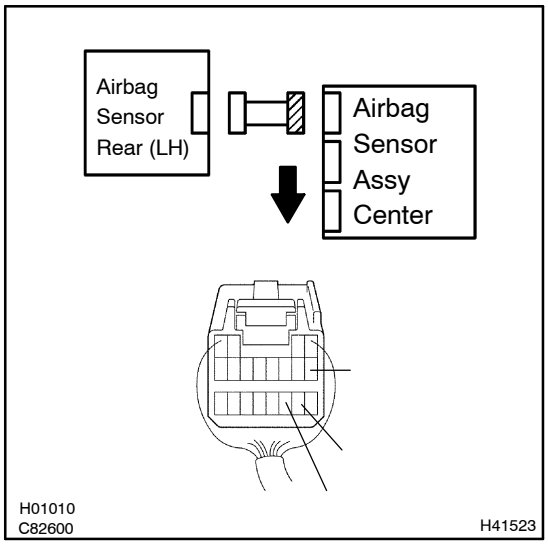
OK:

Resistance: 1 MΩ or Higher

NG → **REPAIR OR REPLACE WIRE HARNESS(AIRBAG SENSOR ASSY CENTER – AIRBAG SENSOR REAR LH)**

OK

7	CHECK AIRBAG SENSOR REAR LH CIRCUIT(TO B+)(AIRBAG SENSOR ASSY CENTER – AIRBAG SENSOR REAR LH)



(a) Connect the negative (–) terminal cable to the battery.

(b) Turn the ignition switch to ON.

(c) For the connector (on the airbag sensor assy center side) between the airbag sensor assy center and the airbag sensor rear (LH), measure the voltage between the body ground and each of VUCL, CSL+ and CSL–.

OK:

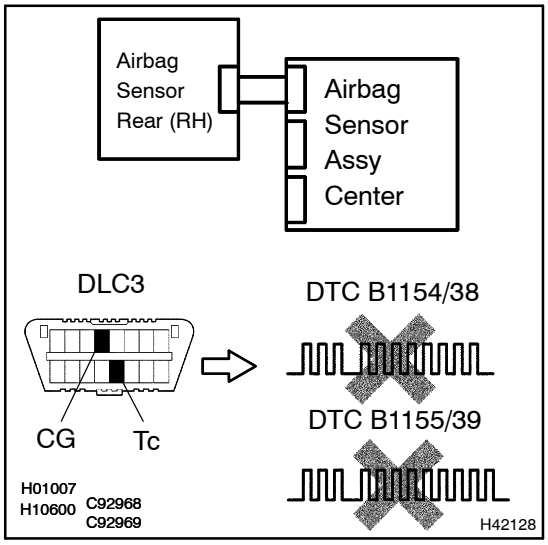
Voltage: Below 1 V

NG → **REPAIR OR REPLACE WIRE HARNESS(AIRBAG SENSOR ASSY CENTER – AIRBAG SENSOR REAR LH)**

OK

8 CHECK AIR BAG SENSOR REAR LH

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(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 airbag sensor assy center connector.
(d) Interchange the airbag sensor rear (LH) and (RH) and connect the connectors to them.
(e) Install the airbag sensor rear (RH) and (LH) to the vehicle securely.

NOTICE:

Do not impact on the airbag sensor rear when installation.

(f) Connect the negative (–) terminal cable to the battery, and wait at least for 2 seconds.
(g) Turn the ignition switch to ON, and wait at least for 20 seconds.
(h) Clear the DTC stored in memory (See page 05–758).
(i) Turn the ignition switch to LOCK, and wait at least for 20 seconds.
(j) Turn the ignition switch to ON, and wait at least for 20 seconds.
(k) Check the DTC (See page 05–758).

OK:

(A): DTC B1154/38 is not output.
(B): DTC B1155/39 is not output.

NG(A)	REPLACE AIR BAG SENSOR REAR LH
NG(B)	REPLACE AIR BAG SENSOR ASSY CENTER

OK

USE SIMULATION METHOD TO CHECK