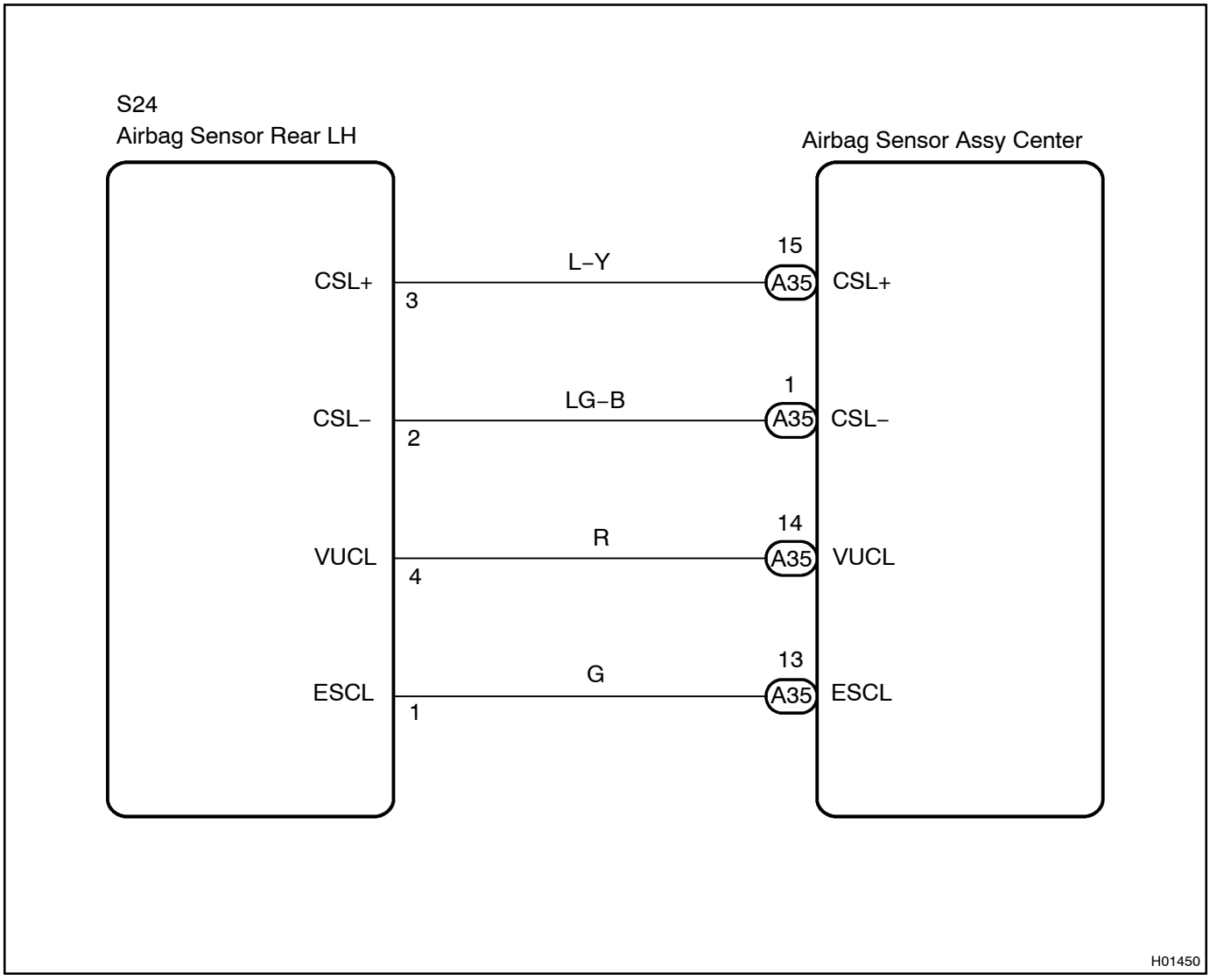
DTC	B1155/39	AIRBAG SENSOR REAR (LH) MALFUNCTION

CIRCUIT DESCRIPTION

The airbag sensor rear 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 B1154/38 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 in airbag sensor rear LH circuit (to ground) • Short in airbag sensor rear LH circuit (to B+) • Open in airbag sensor rear LH circuit • Airbag sensor rear LH malfunction • Airbag sensor assy center malfunction	• Airbag sensor rear LH • Airbag sensor assy center • Floor wire No.2

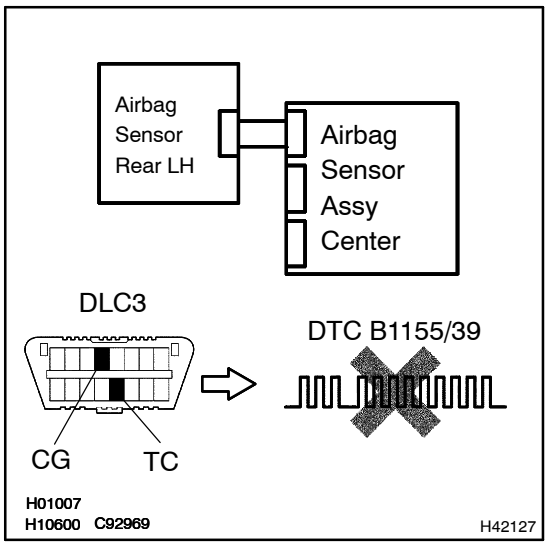
WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK AIR BAG SENSOR REAR LH

SST 09843–18040



(a) Turn the ignition switch to ON, and wait at least for 10 seconds.
(b) Clear the DTC stored in memory (See page 05–1122).
(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 05–1122).
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

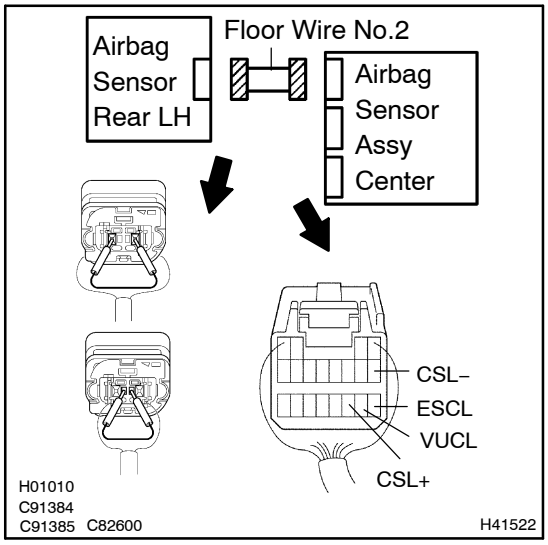
(a) Check that the connector is properly connected to the airbag sensor rear LH.
OK:
The connector is connected.

NG → **CONNECT CONNECTORS**

OK

4 CHECK FLOOR WIRE NO.2(OPEN)

SST 09843–18040

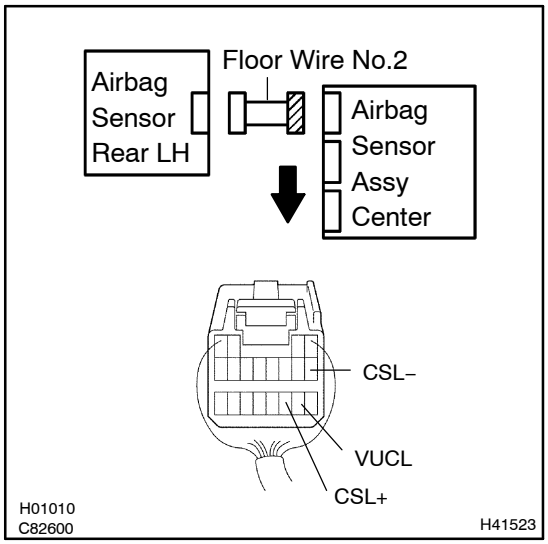


(a) Disconnect the connector between the airbag sensor assy center and airbag sensor rear LH.
(b) Using a service wire, connect VUCL and ESCL of the floor wire No.2 connector on the airbag sensor rear LH side.
(c) Using a service wire, connect CSL+ and CSL– of the floor wire No.2 connector on the airbag sensor rear LH side.
(d) Measure the resistance between VUCL and ESCL, and between CSL+ and CSL– of the floor wire No.2 connector on the airbag sensor assy center side.
OK:
Resistance: Below 1 Ω

NG → **REPAIR OR REPLACE FLOOR WIRE NO.2**

OK

5 CHECK FLOOR WIRE NO.2(TO GROUND)

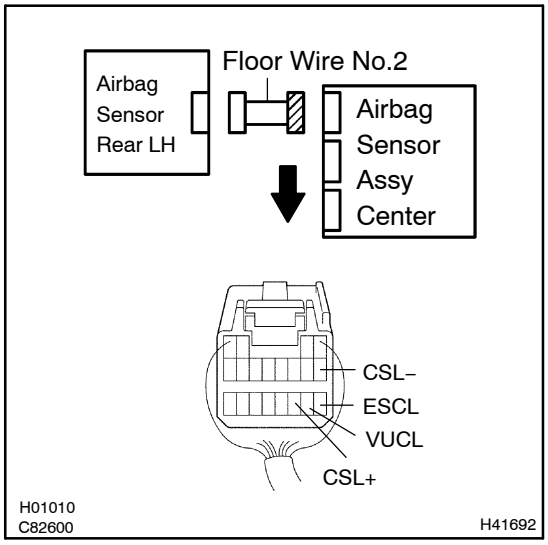


(a) Release the service wire from the floor wire No.2 connector on the airbag sensor rear LH side.
(b) Measure the resistance between the body ground and each of VUCL, CSL+ and CSL– of the floor wire No.2 connector on the airbag sensor assy center side.
OK:
Resistance: 1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE NO.2**

OK

6 CHECK FLOOR WIRE NO.2

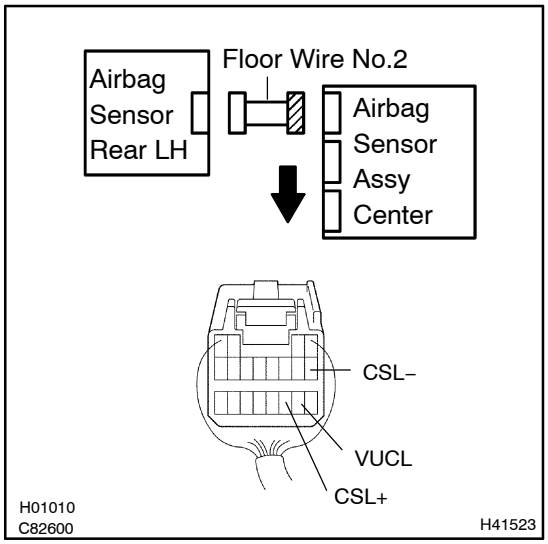


(a) Measure the resistance between VUCL and ESCL, and between CSL+ and CSL– of the floor wire No.2 connector on the airbag sensor assy center side.
OK:
Resistance: 1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE NO.2**

OK

7 CHECK FLOOR WIRE NO.2(TO B+)



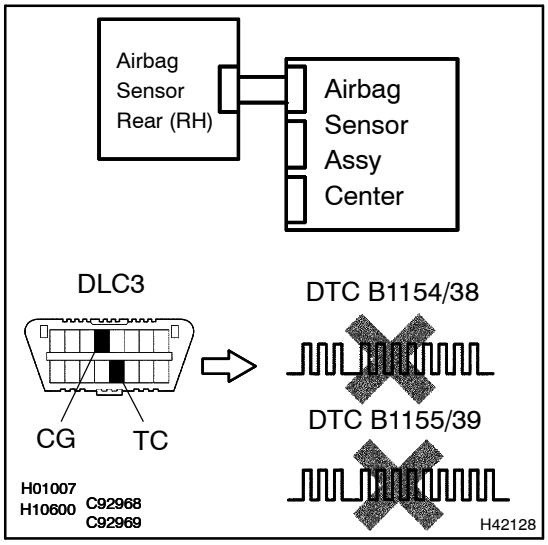
(a) Connect the negative (–) terminal cable to the battery.
(b) Turn the ignition switch to ON.
(c) Measure the voltage between the body ground and each of VUCL, CSL+ and CSL– of the floor wire No.2 connector on the airbag sensor assy center side.
OK:
Voltage: Below 1 V

NG → **REPAIR OR REPLACE FLOOR WIRE NO.2**

OK

8 CHECK AIR BAG SENSOR REAR LH

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 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 10 seconds.
(h) Clear the DTC stored in memory (See page 05–1122).
(i) Turn the ignition switch to LOCK, and wait at least for 10 seconds.
(j) Turn the ignition switch to ON, and wait at least for 10 seconds.
(k) Check the DTC (See page 05–1122).

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