DTC	B1154/38	AIRBAG SENSOR REAR (RH) MALFUNCTION

CIRCUIT DESCRIPTION

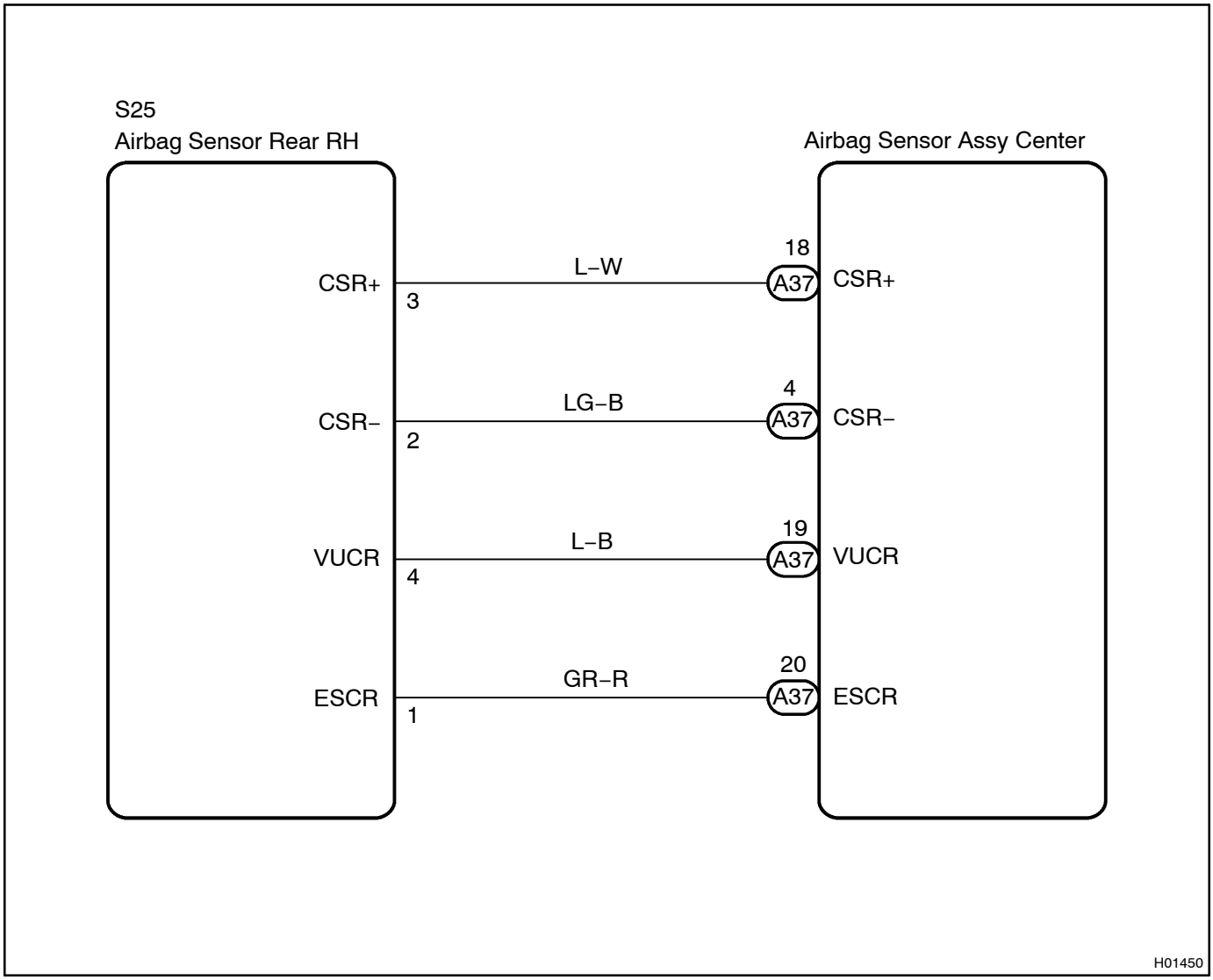
The airbag sensor rear RH consists of the safing sensor, diagnosis circuit and lateral deceleration sensor, etc..

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 RH is detected.

DTC No.	DTC Detecting Condition	Trouble Area
B1154/38	• Short in airbag sensor rear RH circuit (to ground) • Short in airbag sensor rear RH circuit (to B+) • Open in airbag sensor rear RH circuit • Airbag sensor rear RH malfunction • Airbag sensor assy center malfunction	• Airbag sensor rear RH • Airbag sensor assy center • Floor wire

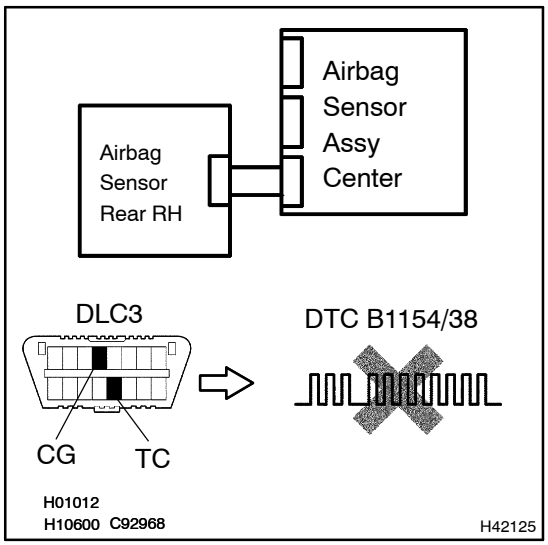
WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK AIR BAG SENSOR REAR RH

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(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 B1155/39 may also be output at the same time.

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

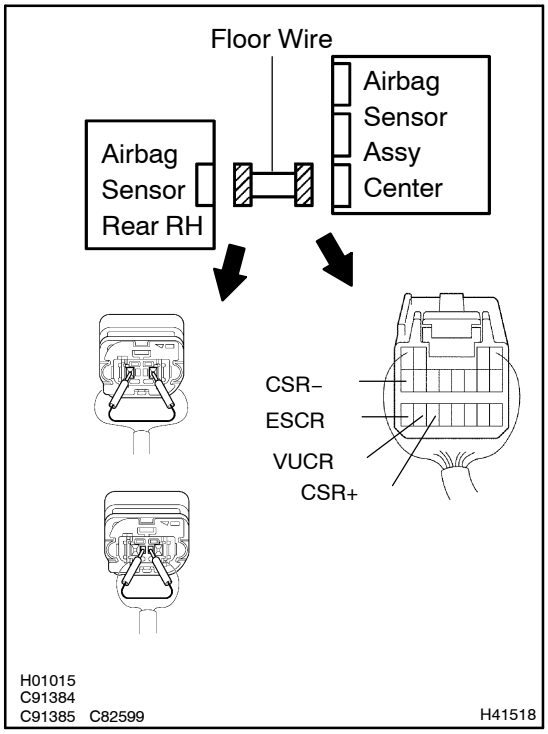
(a) Check that the connector is properly connected to the airbag sensor rear RH.
OK:
The connector is connected.

NG → **CONNECT CONNECTORS**

OK

4 CHECK FLOOR WIRE(OPEN)

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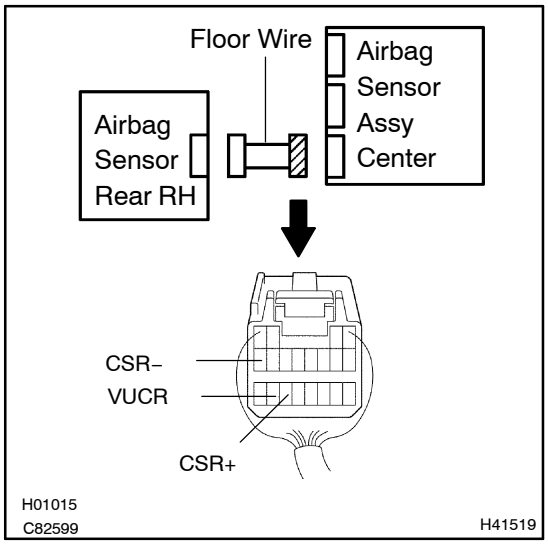


(a) Disconnect the connector between the airbag sensor assy center and airbag sensor rear RH.
(b) Using a service wire, connect VUCR and ESCR of the floor wire connector on the airbag sensor rear RH side.
(c) Using a service wire, connect CSR+ and CSR– of the floor wire connector on the airbag sensor rear RH side.
(d) Measure the resistance between VUCR and ESCR, and between CSR+ and CSR– of the floor wire on the airbag sensor assy center side.
OK:
Resistance: Below 1 Ω

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

5 CHECK FLOOR WIRE(TO GROUND)

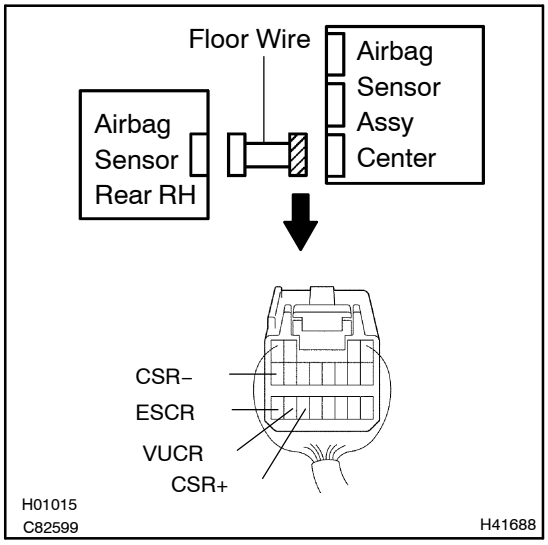


(a) Release the service wire from the floor wire on the airbag sensor rear RH side.
(b) Measure the resistance between the body ground and each of VUCR, CSR+ and CSR– of the floor wire connector on the airbag sensor assy center side.
OK:
Resistance: 1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

6 CHECK FLOOR WIRE

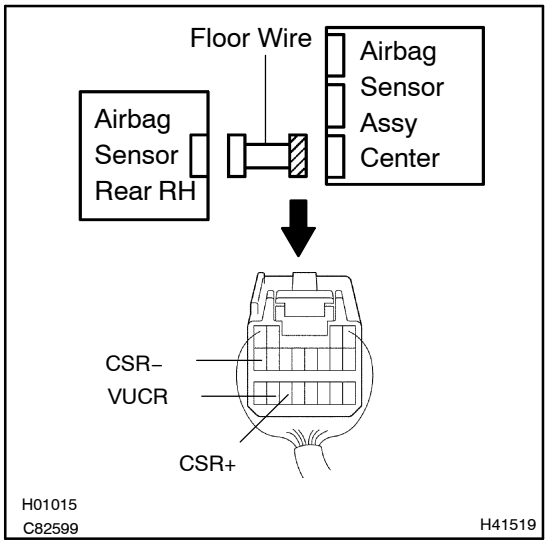


(a) Measure the resistance between VUCR and ESCR, and between CSR+ and CSR– of the floor wire connector on the airbag sensor assy center side.
OK:
Resistance: 1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

7 CHECK FLOOR WIRE(TO B+)



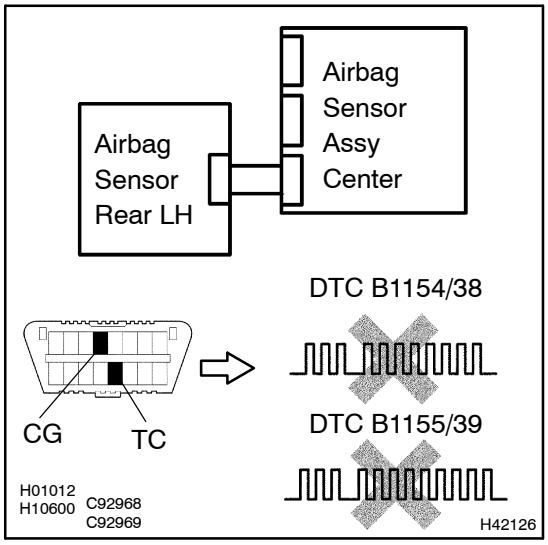
(a) Connect the negative (–) terminal cable to the battery.
(b) Measure the voltage between the body ground and each of VUCR, CSR+ and CSR– of the floor wire connector on the airbag sensor assy center side.
OK:
Voltage: Below 1 V

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

8 CHECK AIR BAG SENSOR REAR RH

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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 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 ASSY CENTER**
NG(B)	**REPLACE AIR BAG SENSOR REAR RH**

OK

USE SIMULATION METHOD TO CHECK