

<b>DTC</b>	<b>B1154/38</b>	<b>Rear Airbag Sensor RH Circuit Malfunction</b>
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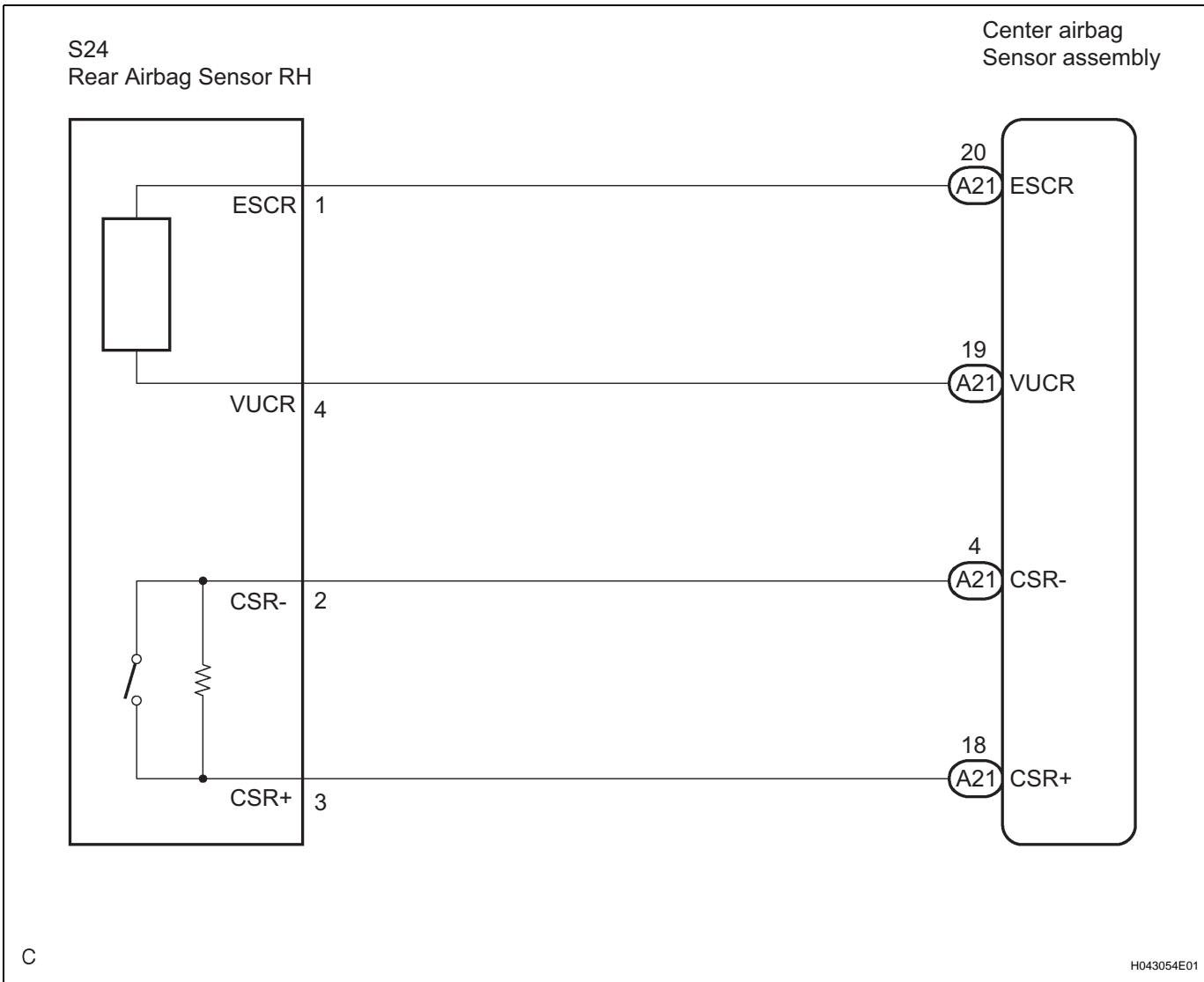
**DESCRIPTION**

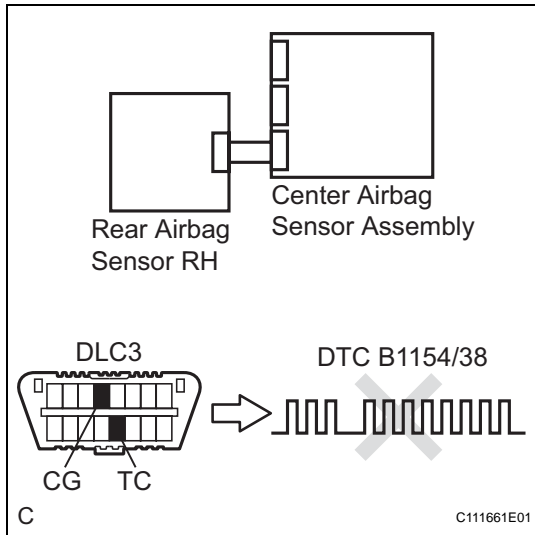
The rear airbag sensor RH circuit consists of the safing sensor, the diagnostic circuit and the lateral deceleration sensor, etc. If the center airbag sensor assembly receives signals from the lateral deceleration sensor, it judges whether or not the SRS should be activated. DTC B1154/38 is recorded when a malfunction in the rear airbag sensor RH circuit is detected.

DTC No.	DTC Detecting Condition	Trouble Area
B1154/38	<ul style="list-style-type: none"> <li>• Short in rear airbag sensor RH circuit (to ground)</li> <li>• Short in rear airbag sensor RH circuit (to B+)</li> <li>• Open in rear airbag sensor RH circuit</li> <li>• Rear airbag sensor RH malfunction</li> <li>• Center airbag sensor assembly malfunction</li> </ul>	<ul style="list-style-type: none"> <li>• Rear airbag sensor RH</li> <li>• Center airbag sensor assembly</li> <li>• Floor wire</li> </ul>

**RS**

**WIRING DIAGRAM**



**1 CHECK DTC**

- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Clear the DTCs stored in memory (See Page RS-32).
- Turn the ignition switch to the LOCK position.
- Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- Check the DTCs (See Page RS-32).

**OK:****DTC B1154/38 is not output.****HINT:**

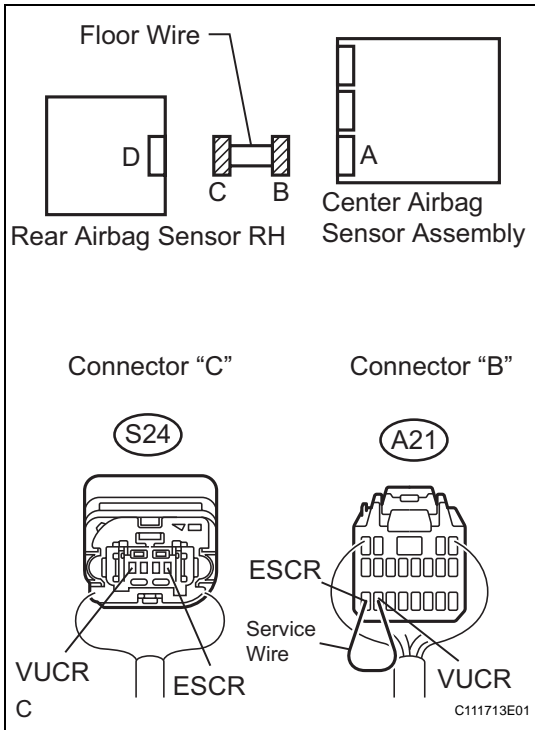
Codes other than code B1154/38 may be output at this time, but they are not related to this check.

**NG****Go to step 2****OK****USE SIMULATION METHOD TO CHECK****2 CHECK CONNECTION OF CONNECTORS**

- Turn the ignition switch to the LOCK position.
- Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- Check that the connectors are properly connected to the center airbag sensor assembly and the rear airbag sensor RH.

**OK:****The connectors are connected.****NG****CONNECT CONNECTORS, THEN GO TO STEP 1****OK****RS**

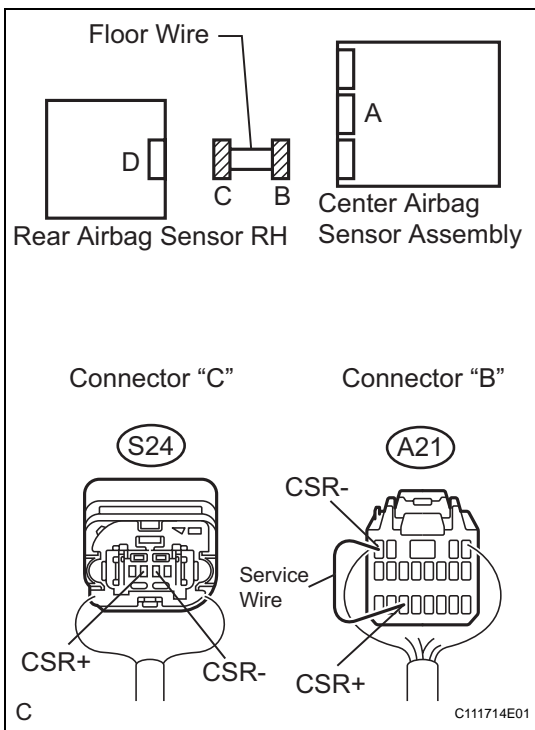
**3 CHECK FLOOR WIRE (OPEN)**



- (a) Disconnect the connectors from the center airbag sensor assembly and the rear airbag sensor RH.
- (b) Using a service wire, connect A21-19 (VUCR) and A21-20 (ESCR) of connector "B".  
HINT:  
Do not forcibly insert a service wire into the terminals of the connector when connecting.
- (c) Measure the resistance according to the value(s) in the table below.

**Resistance**

Tester connection	Condition	Specified condition
S24-4 (VUCR) - S24-1 (ESCR)	Always	Below 1 Ω



- (d) Using a service wire, connect A21-18 (CSR+) and A21-4 (CSR-) of connector "B".

**CAUTION:**

**Do not forcibly insert a service wire into the terminals of the connector when connecting.**

- (e) Measure the resistance according to the value(s) in the table below.

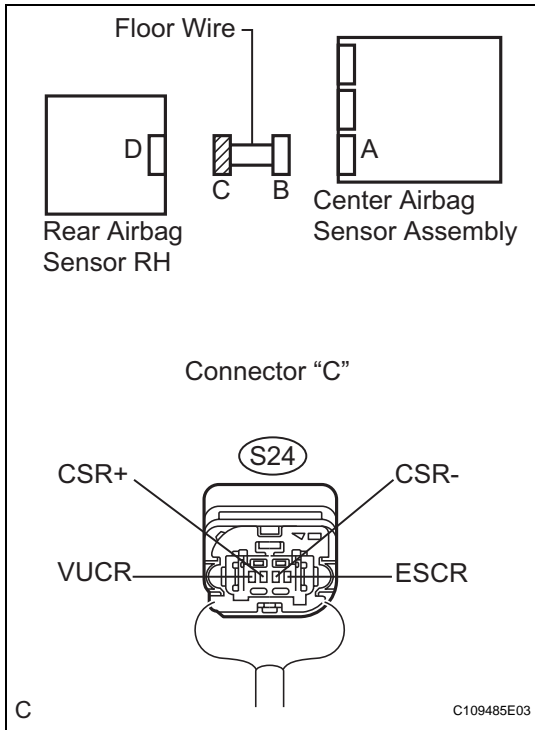
**Resistance**

Tester connection	Condition	Specified condition
S24-3 (CSR+) - S24-2 (CSR-)	Always	Below 1 Ω

**NG REPAIR OR REPLACE FLOOR WIRE**

**OK**

**4 CHECK FLOOR WIRE (SHORT TO B+)**



- (a) Disconnect the service wire from connector "B".
- (b) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (c) Turn the ignition switch to the ON position.
- (d) Measure the voltage according to the value(s) in the table below.

**Voltage**

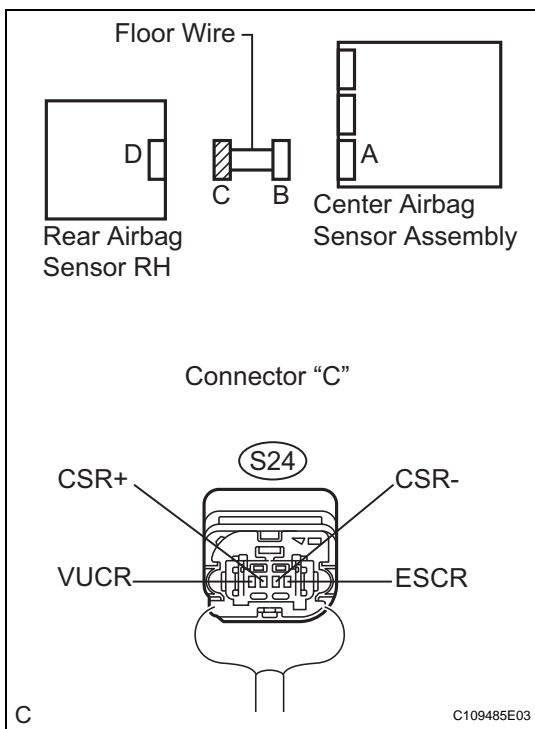
Tester connection	Condition	Specified condition
S24-4 (VUCR) - Body ground	Ignition switch ON	Below 1 V
S24-1 (ESCR) - Body ground	Ignition switch ON	Below 1 V
S24-3 (CSR+) - Body ground	Ignition switch ON	Below 1 V
S24-2 (CSR-) - Body ground	Ignition switch ON	Below 1 V

**NG**

**REPAIR OR REPLACE FLOOR WIRE**

**OK**

**5 CHECK FLOOR WIRE (SHORT TO GROUND)**



- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- (c) Measure the resistance according to the value(s) in the table below.

**Resistance**

Tester connection	Condition	Specified condition
S24-4 (VUCR) - Body ground	Always	1 MΩ or higher
S24-1 (ESCR) - Body ground	Always	1 MΩ or higher
S24-3 (CSR+) - Body ground	Always	1 MΩ or higher
S24-2 (CSR-) - Body ground	Always	1 MΩ or higher

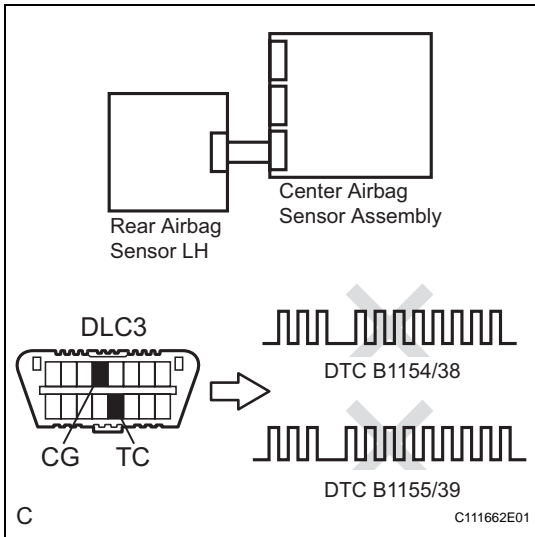
**NG**

**REPAIR OR REPLACE FLOOR WIRE**

**OK**

**RS**

**6 CHECK REAR AIRBAG SENSOR RH**



- (a) Connect the connector to the center airbag sensor assembly.
- (b) Interchange the rear airbag sensor LH with RH and connect the connectors to them.
- (c) Connect the negative (-) terminal cable to the battery, and wait for at least 2 seconds.
- (d) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (e) Clear the DTCs stored in memory (See page RS-32).
- (f) Turn the ignition switch to the LOCK position.
- (g) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (h) Check the DTCs (See page RS-32).

**Result**

Proceed To	Display (DTC Output)
NG: A	DTC B1154/38 is output.
NG: B	DTC B1155/39 is output.
OK	DTC B1154/38 and B1155/39 are not output.

- NG:A** → **REPLACE CENTER AIRBAG SENSOR ASSEMBLY**
- NG:B** → **REPLACE REAR AIRBAG SENSOR RH**

**OK**

**USE SIMULATION METHOD TO CHECK**

**RS**