DTC	B1630	AIRBAG SENSOR REAR (RH) MALFUNCTION

CIRCUIT DESCRIPTION

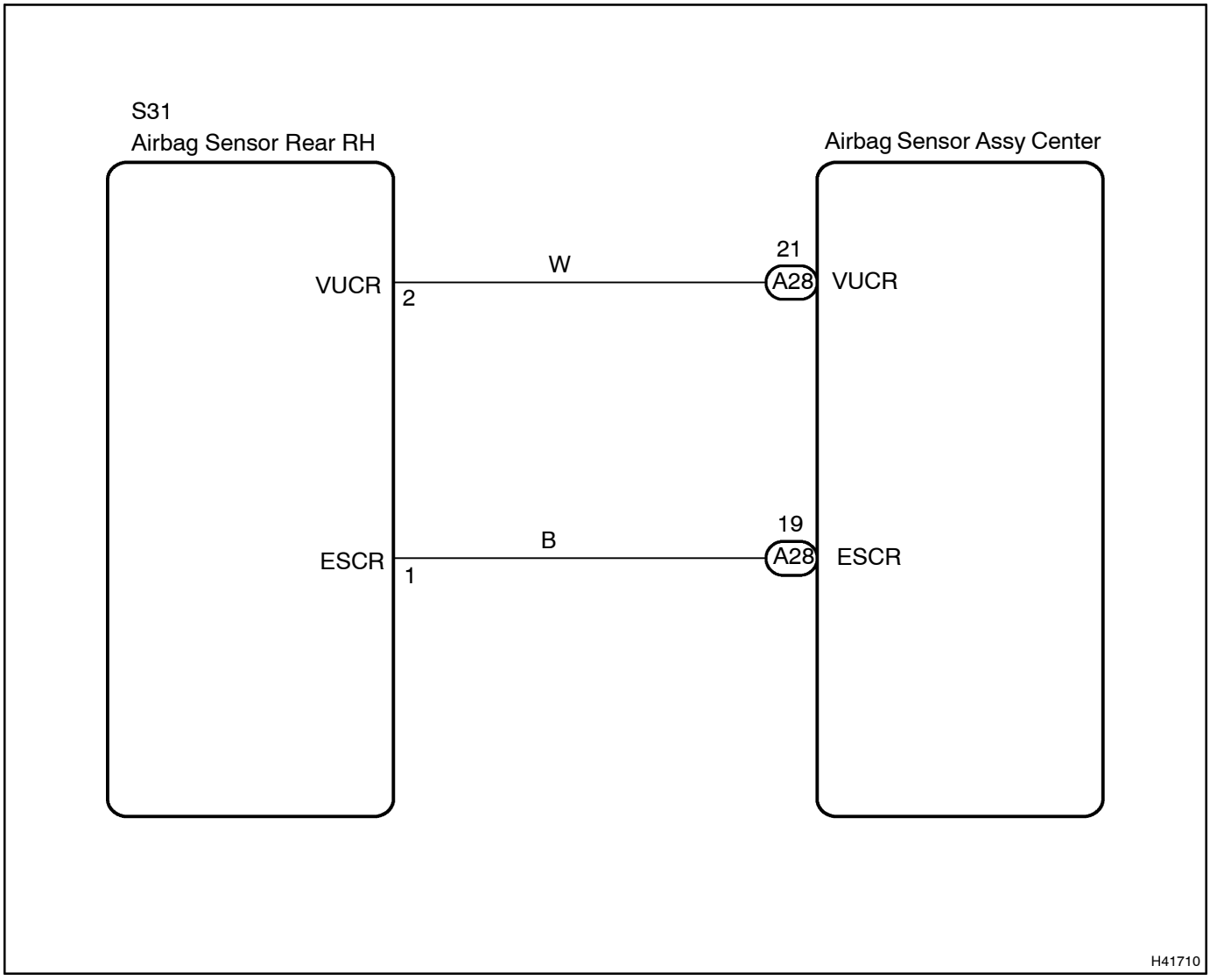
The airbag sensor rear RH consists of the safing sensor, the diagnostic circuit, the lateral deceleration sensor, etc.

If the airbag sensor assy center receives signals from the lateral deceleration sensor, it determines whether or not the SRS should be activated.

DTC B1630 is recorded when a malfunction is detected in the airbag sensor rear RH circuit.

DTC No.	DTC Detecting Condition	Trouble Area
B1630	• When the airbag sensor assy center receives a line short signal, open signal, short to ground signal or B+ short signal in the airbag sensor rear RH circuit for 2 seconds. • Airbag sensor rear RH malfunction • Airbag sensor assy center malfunction	• Floor wire • Airbag sensor rear RH • Airbag sensor assy center

WIRING DIAGRAM



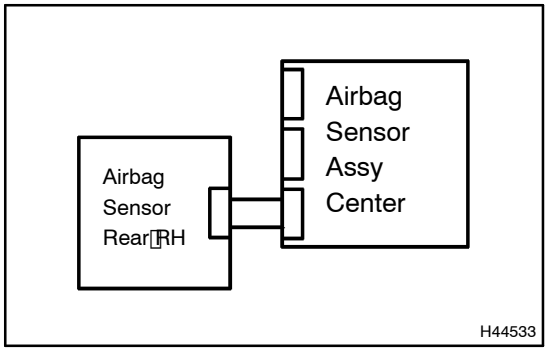
INSPECTION PROCEDURE

CAUTION:

Be sure to perform the following procedures before troubleshooting to avoid unexpected airbag deployment.

(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) Disconnect the connectors from the airbag sensor assy center.
(d) Disconnect the connectors from the horn button assy.
(e) Disconnect the connector from the front passenger airbag assy.
(f) Disconnect the connector from the instrument panel airbag assy lower No.1.
(g) Disconnect the connector from the instrument panel airbag assy lower No.2.
(h) Disconnect the connector from the front seat airbag assy LH.
(i) Disconnect the connector from the front seat airbag assy RH.
(j) Disconnect the connector from the curtain shield airbag assy LH.
(k) Disconnect the connector from the curtain shield airbag assy RH.
(l) Disconnect the connector from the front seat outer belt assy LH.
(m) Disconnect the connector from the front seat outer belt assy RH.
(n) Disconnect the connectors from the rear seat 3 point type outer belt assy.

1	CHECK DTC



(a) Connect the connectors to the airbag sensor assy center.
(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, and wait for at least 60 seconds.
(d) Clear the DTCs stored in memory (see page 05–959).
(e) Turn the ignition switch to the LOCK position.
(f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
(g) Check the DTCs (see page 05–959).
OK:
DTC B1630 is not output.

HINT:
Codes other than code B1630 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 (SEE PAGE 05–954)

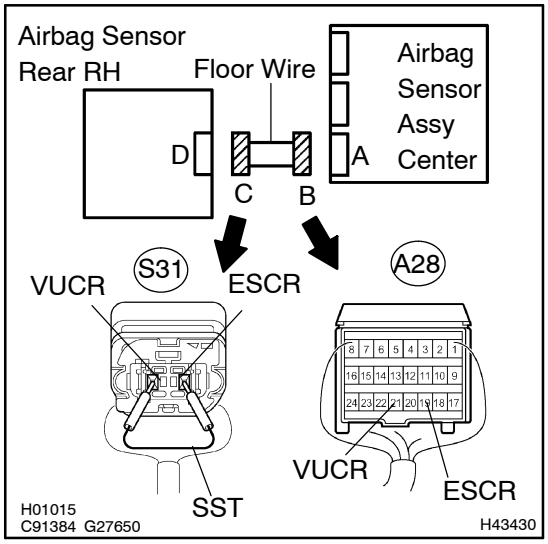
2 CHECK CONNECTION OF CONNECTORS

(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) Check that the connectors are properly connected to the airbag sensor assy center and the airbag sensor rear RH.
OK:
The connectors are connected.

NG → **CONNECT CONNECTORS, THEN GO TO STEP 1**

OK

3 CHECK FLOOR WIRE(OPEN)



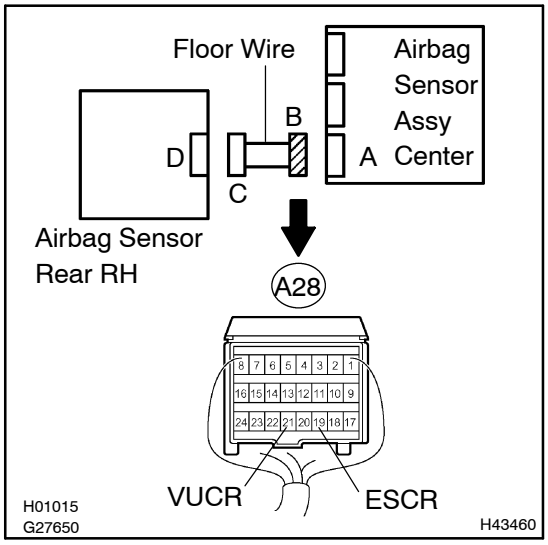
(a) Disconnect the connectors from the airbag sensor assy center and the airbag sensor rear RH.
(b) Using SST, connect S31–2 (VUCR) and S31–1 (ESCR) of connector "C".
SST 09843–18040
(c) Measure the resistance according to the value(s) in the table below.
Standard:

Tester connection	Condition	Specified condition
A28–21 (VUCR) – A28–19 (ESCR)	Always	Below 1 Ω

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

4 CHECK FLOOR WIRE(SHORT)



(a) Disconnect the SST from connector "C".
(b) Measure the resistance according to the value(s) in the table below.

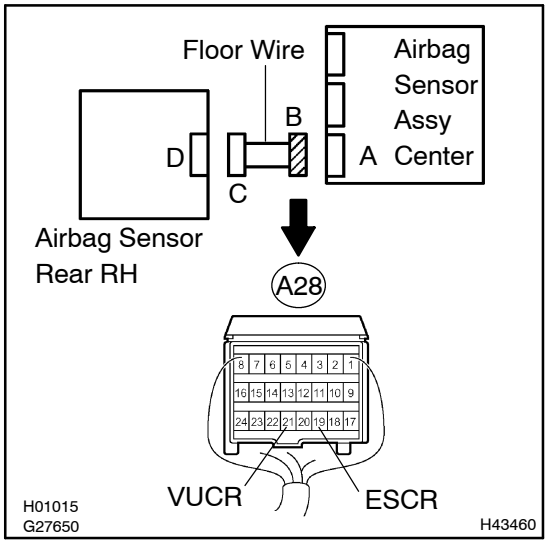
Standard:

Tester connection	Condition	Specified condition
A28–21 (VUCR) – A28–19 (ESCR)	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

5 CHECK FLOOR WIRE(TO B+)



(a) Connect the negative (–) terminal cable to the battery, and wait for at least 2 seconds.
(b) Turn the ignition switch to the ON position.
(c) Measure the voltage according to the value(s) in the table below.

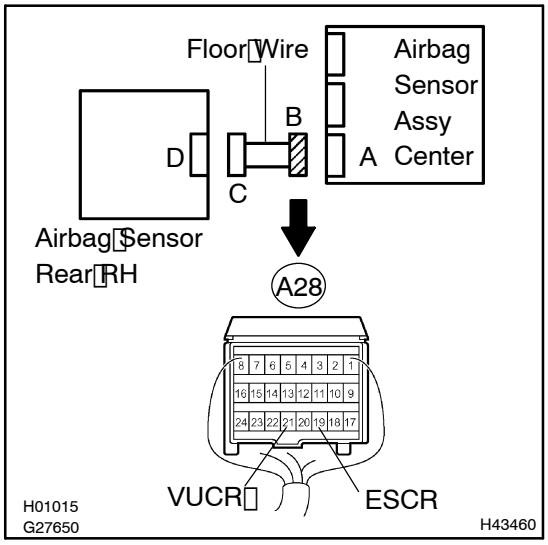
Standard:

Tester connection	Condition	Specified condition
A28–21 (VUCR) – Body ground	Ignition switch ON	Below 1 V
A28–19 (ESCR) – Body ground	Ignition switch ON	Below 1 V

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

6 CHECK FLOOR WIRE(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.

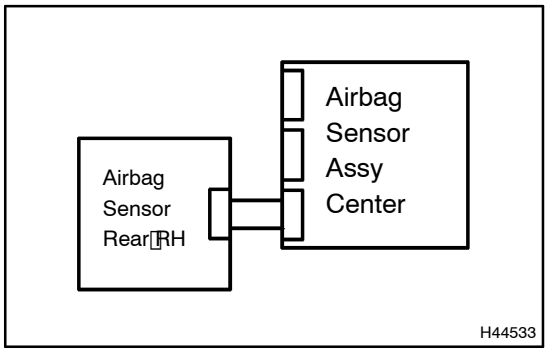
Standard:

Tester connection	Condition	Specified condition
A28–21 (VUCR) – Body ground	Always	1 MΩ or Higher
A28–19 (ESCR) – Body ground	Always	1 MΩ or Higher

NG → **REPAIR OR REPLACE FLOOR WIRE**

OK

7 CHECK AIRBAG SENSOR REAR RH



(a) Connect the connectors to the airbag sensor assy center.
(b) Interchange the airbag sensor rear 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 05–959).
(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 05–959).

Result:

DTC B1630 is output.	A
DTC B1635 is output.	B
DTC B1630 or B1635 are not output.	C

A → **REPLACE AIRBAG SENSOR ASSY CENTER (SEE PAGE 60–74)**

B → **REPLACE AIRBAG SENSOR REAR RH (SEE PAGE 60–82)**

C

USE SIMULATION METHOD TO CHECK (SEE PAGE 05–954)