DTC	B1650/32	Occupant Classification System Malfunction
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### DESCRIPTION

The occupant classification system circuit consists of the center airbag sensor assembly and the occupant classification system.

When the center airbag sensor assembly receives signals from the occupant classification ECU, it determines whether or not the front passenger airbag, front seat side airbag assembly RH and seat belt pretensioner RH should be operated.

DTC B1650/32 is set when a malfunction is detected in the occupant classification system circuit.

DTC No.	DTC Detecting Conditions	Trouble Areas	
B1650/32	<ul> <li>Occupant classification system malfunction</li> <li>Center airbag sensor assembly detects line short circuit signal, open circuit signal, short circuit to ground signal or short circuit to B+ signal in occupant classification system circuit for 2 seconds</li> <li>Center airbag sensor assembly malfunction</li> </ul>	<ul> <li>No.1 seat wire</li> <li>Floor wire</li> <li>Occupant classification system</li> <li>Center airbag sensor assembly</li> </ul>	

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### WIRING DIAGRAM



## INSPECTION PROCEDURE

### NOTICE:

# In order to prevent unexpected airbag deployment, disconnect the following connectors before inspecting parts such as wire harnesses, if the application of tester probes to the center airbag sensor assembly connector is necessary.

- 1. Turn the ignition switch to the lock position.
- 2. Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
- 3. Disconnect the connector from the center airbag sensor assembly.
- 4. Disconnect the connectors from the steering pad.
- 5. Disconnect the connectors from the front passenger airbag assembly.
- 6. Disconnect the connector from the front seat outer belt assembly LH.
- 7. Disconnect the connector from the front seat outer belt assembly RH. HINT:

Skip the following steps if side and curtain shield airbags are not fitted.

- 8. Disconnect the connector from the front seat side airbag assembly LH.
- 9. Disconnect the connector from the front seat side airbag assembly RH.
- 10.Disconnect the connector from the curtain shield airbag assembly LH.
- 11.Disconnect the connector from the curtain shield airbag assembly RH.



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### CHECK DTC (OCCUPANT CLASSIFICATION ECU)

- (a) Turn the ignition switch to the on position, and wait for at least 10 seconds.
- (b) Using the intelligent tester, check for DTCs of the occupant classification ECU (See page RS-254).
   OK:

DTC is not output.





Terminal Connection K1-12 (FSP+) - Body

ground K1-13 (FSP-) - Body

ground

(f)

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OK

Go to step 9

(e) Turn the ignition switch to the lock position.

battery, and wait for at least 90 seconds.

Condition

Ignition switch on

Ignition switch on

Disconnect the negative (-) terminal cable from the

RS–139

**Specified Condition** 

Below 1 V

Below 1 V



8	PERFORM	I SENSITIVITY CHEC	K			
			(a)	<ul> <li>(See page RS-2</li> <li>(1) Confirm that seat.</li> <li>(2) Confirm that the standard restandard restandarestandard restandard restandard restandard restand</li></ul>	at nothing is placed of at the beginning sens of range. <b>2 kg (-7 to 7 lb)</b> kg (66.14 lb) weight ont passenger seat. at the sensitivity is wi	on the passenger sor reading is within (e.g. a lead mass) ithin the standard <b>b)</b> c check, use a solid
No. 1 S	Wire eat Wire	LOOR WIRE	<ul> <li>(a) Check for open in the circuit.</li> <li>(1) Disconnect the connectors from the floor wire and the No. 1 seat wire.</li> <li>(2) Using a service wire, connect K1-12 (FSP+) and K1-13 (FSP-) of connector B.</li> <li>NOTICE:</li> <li>Do not forcibly insert a service wire into the terminals of the connector when connecting.</li> <li>(3) Measure the resistance.</li> <li>Standard resistance</li> </ul>		1-12 (FSP+) and wire into the men connecting.	
0				Fester Connection Q1-1 (FSR+) - KQ1-4 (FSR-)	Condition Always	Specified Condition Below 1 Ω
KQ1) FSR+	nnector C	Connector B				



- (b) Check for short in the circuit.
  - (1) Disconnect the service wire from connector B.

# (2) Measure the resistance. **Standard resistance**

Tester Connection	Condition	Specified Condition
KQ1-1 (FSR+) - KQ1-4 (FSR-)	Always	1 M $\Omega$ or higher

- (c) Check for short to ground in the circuit.
  - (1) Measure the resistance. **Standard resistance**

Tester Connection	Condition	Specified Condition
KQ1-1 (FSR+) - Body ground	Always	1 M $\Omega$ or higher
KQ1-1 (FSR-) - Body ground	Always	1 M $\Omega$ or higher

- (d) Check for short to B+ in the circuit.
  - (1) Connect the negative (-) terminal cable to the battery.
  - (2) Turn the ignition switch to the on position.
  - (3) Measure the voltage. **Standard voltage**

Tester Connection	Condition	Specified Condition
KQ1-1 (FSR+) - Body ground	Ignition switch on	Below 1 V
KQ1-1 (FSR-) - Body ground	Ignition switch on	Below 1 V

- (4) Turn the ignition switch to the lock position.
- (5) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.

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#### **REPAIR OR REPLACE FLOOR WIRE**

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### **REPAIR OR REPLACE SEAT WIRE NO.1**