

Trouble in Passenger Airbag ON / OFF Indicator

DESCRIPTION

The occupant classification system detects the front passenger seat condition. It then informs a passenger of the front passenger airbag assembly and front seat side airbag assembly condition (activated/not activated) by the passenger airbag ON/OFF indicator.

HINT:

Approximately 6 seconds after the power switch is turned to the on (IG), the passenger airbag ON/OFF indicator will be ON/OFF depending on the conditions listed below.

Front passenger seat condition	ON Indicator	OFF Indicator
Adult is seated.	ON	OFF
Child is seated.	OFF	ON
Vacant	OFF	OFF
Occupant classification system failure	OFF	ON

INSPECTION PROCEDURE

1 CHECK SRS WARNING LIGHT

- (a) Turn the power switch on (IG), and check the SRS warning light condition.

HINT:

If this trouble occurs, the SRS warning light is off. If the light is on, a DTC is output. Troubleshoot for the output DTC.

OK:

After the primary check period, SRS warning light goes off.

HINT:

The primary check period is approximately 6 seconds after the power switch is turned on (IG).

NG

GO TO DTC CHART (See page [RS-45](#))

OK

2 PERFORM ZERO POINT CALIBRATION

- (a) Turn the power switch off.
(b) Connect the intelligent tester to the DLC3.
(c) Turn the power switch on (IG).
(d) Using the intelligent tester, perform "zero point calibration" (See page [RS-239](#)).

OK:

"COMPLETE" is displayed.

NG

Go to step 4

OK

3 PERFORM SENSITIVITY CHECK

- (a) Using the intelligent tester, perform "sensitivity check" (See page [RS-239](#)).

Standard value:

27 to 33 kg (59.52 to 72.75 lb)

OK

END

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4 RETIGHTEN FRONT SEAT ASSEMBLY RH BOLT

- (a) Turn the power switch off.
(b) Loosen the 4 installation bolts of the front seat assembly RH.
(c) Tighten the 4 installation bolts of the front seat assembly RH to the specified torque.

Torque: 37 N*m (377 kgf*cm, 27 ft.*lbf)

NEXT

5 PERFORM ZERO POINT CALIBRATION

- (a) Connect the intelligent tester to the DLC3.
(b) Turn the power switch on (IG).
(c) Using the intelligent tester, perform "zero point calibration" (See page [RS-239](#)).

OK:

"COMPLETE" is displayed.

NG

Go to step 7

OK

6 PERFORM SENSITIVITY CHECK

- (a) Using the intelligent tester, perform "sensitivity check" (See page [RS-239](#)).

Standard value:

27 to 33 kg (59.52 to 72.75 lb)

OK

END

NG

7 CHECK CONNECTORS

- (a) Turn the power switch off.
(b) Disconnect the negative (-) terminal cable from the battery.

- (c) Check that the connectors are properly connected to the occupant classification ECU and the 4 occupant classification sensors.

OK:

The connectors are properly connected.

- (d) Disconnect the connectors from the occupant classification ECU and the 4 occupant classification sensors.
- (e) Check that the connectors are not damaged or deformed.

OK:

The connectors are normal.

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REPAIR OR REPLACE CONNECTOR, THEN GO TO STEP 1

OK

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CHECK DTC

- (a) Connect the connectors to the occupant classification ECU and the 4 occupant classification sensors.
- (b) Connect the negative (-) terminal cable to the battery.
- (c) Turn the power switch on (IG), and wait for at least 60 seconds.
- (d) Clear the DTCs stored in the occupant classification ECU (See page [RS-248](#)).
- (e) Clear the DTCs stored in the center airbag sensor assembly (See page [RS-41](#)).
- (f) Turn the power switch off.
- (g) Turn the power switch on (IG), and wait for at least 60 seconds.
- (h) Check the DTCs (See page [RS-248](#)).

OK:

DTC is not output.

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REPLACE CENTER AIRBAG SENSOR ASSEMBLY (See page [RS-423](#))

OK

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REPLACE OCCUPANT CLASSIFICATION ECU

- (a) Turn the power switch off.
- (b) Disconnect the negative (-) terminal cable from the battery.
- (c) Replace the occupant classification ECU (See page [RS-445](#)).

NEXT

RS

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PERFORM ZERO POINT CALIBRATION

- (a) Connect the negative (-) terminal cable to the battery.

- (b) Connect the intelligent tester to the DLC3.
- (c) Turn the power switch on (IG).
- (d) Using the intelligent tester, perform "zero point calibration" (See page [RS-239](#)).

OK:

"COMPLETE" is displayed.

NEXT

11 PERFORM SENSITIVITY CHECK

- (a) Using the intelligent tester, perform "sensitivity check" (See page [RS-239](#)).

Standard value:

27 to 33 kg (59.52 to 72.75 lb)

NEXT

END