

## 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 condition (activated/not activated) by the passenger airbag ON/OFF indicator.

The table below shows the normal indication condition of the passenger airbag ON/OFF indicator and the front passenger seat condition.

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

**RS**

### 1 CHECK SRS WARNING LIGHT

- (a) Turn the ignition switch to the ON position, and check the SRS warning light condition.

HINT:

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

**OK:**

The SRS warning light does not come on.

NG
Go to step 9

OK

### 2 CHECK PASSENGER AIRBAG ON/OFF INDICATOR CONDITION

- (a) Turn the ignition switch to the ON position.
- (b) Check if the passenger airbag ON/OFF indicator correctly indicates the front passenger seat condition.

**OK**

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

OK
END

NG

### 3 PERFORM ZERO POINT CALIBRATION

- (a) Turn the ignition switch to the LOCK position.
- (b) Connect the intelligent tester to the DLC3.
- (c) Turn the ignition switch to the ON position.

- (d) Using the intelligent tester, perform "Zero point calibration" (See page [RS-303](#)).

**OK:**

The "COMPLETE" is displayed.

NG

Go to step 5

OK

#### 4 PERFORM SENSITIVITY CHECK

- (a) Using the intelligent tester, perform "Sensitivity check" (See page [RS-303](#)).

**Standard values:**

27 to 33 kg (59.52 to 72.75 lb)

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Go to step 5

OK

END

#### 5 RETIGHTEN FRONT SEAT ASSEMBLY RH BOLT

- (a) Turn the ignition switch to the LOCK position.  
 (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 (380 kgf\*cm, 27 ft.\*lbf)**

NG

Go to step 8

OK

#### 6 PERFORM ZERO POINT CALIBRATION

- (a) Connect the intelligent tester to the DLC3.  
 (b) Turn the ignition switch to the ON position.  
 (c) Using the intelligent tester, perform "Zero point calibration" (See page [RS-303](#)).

**OK:**

The "COMPLETE" is displayed.

NG

Go to step 8

OK

#### 7 PERFORM SENSITIVITY CHECK

- (a) Using the intelligent tester, perform "Sensitivity check" (See page [RS-303](#)).

Standard values:  
27 to 33 kg (59.52 to 72.75 lb)

NG

Go to step 8

OK

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CHECK CONNECTORS

- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery.
- (c) Check the connectors are properly connected to the occupant classification ECU and the 4 occupant classification sensors.

OK:

The connectors are connected.

- (d) Disconnect the connectors from the occupant classification ECU and the 4 occupant classification sensors.
- (e) Check 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 ignition switch to the ON position, and wait for at least 60 seconds.
- (d) Turn the ignition switch to the LOCK position.
- (e) Clear the DTCs stored in memory (See page [RS-310](#)).
- (f) Turn the ignition switch to the ON position, and wait for at least 60 seconds.
- (g) Check the DTCs (See page [RS-310](#)).

OK:

DTC is not output.

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REPLACE CENTER AIRBAG SENSOR ASSEMBLY

OK

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REPLACE OCCUPANT CLASSIFICATION ECU

- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery.

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- (c) Replace the occupant classification ECU (See page [RS-457](#)).

HINT:

Perform the inspection using parts from a normal vehicle if possible.

NEXT

## 11 PERFORM ZERO POINT CALIBRATION

- (a) Connect the negative (-) terminal cable to the battery.  
(b) Connect the intelligent tester to the DLC3.  
(c) Turn the ignition switch to the ON position.  
(d) Using the intelligent tester, perform "Zero point calibration" (See page [RS-303](#)).

**OK:**

The "COMPLETE" is displayed.

NEXT

## 12 PERFORM SENSITIVITY CHECK

- (a) Using the intelligent tester, perform "Sensitivity check" (See page [RS-303](#)).

**Standard values:**

**27 to 33 kg (59.52 to 72.75 lb)**

NEXT

END

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