

<b>DTC</b>	<b>B1787</b>	<b>Rear Occupant Classification Sensor LH Collision Detection</b>
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**DESCRIPTION**

DTC B1787 is output when the occupant classification ECU receives a collision detection signal sent by the rear occupant classification sensor LH if an accident occurs.

DTC B1787 is also output when the front seat assembly RH is subjected to a strong impact, even if an actual accident does not occur.

However, when the occupant classification ECU outputs a collision detection signal, even if the vehicle is not in a collision, DTC B1787 can be cleared by "Zero point calibration" and "Sensitivity check".

Therefore, if DTC B1787 is output, first perform "Zero point calibration" and "Sensitivity check".

**RS**

DTC No.	DTC Detecting Condition	Trouble Area
B1787	<ul style="list-style-type: none"> <li>• Front seat assembly RH malfunction</li> <li>• Occupant classification ECU malfunction</li> <li>• Rear occupant classification sensor LH sensed large load</li> </ul>	<ul style="list-style-type: none"> <li>• Occupant classification ECU</li> <li>• Front seat assembly RH (Rear occupant classification sensor LH)</li> </ul>

**WIRING DIAGRAM**

See page [RS-335](#).

**1 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 "COMPLETED" is displayed.



**2 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)



**3 CHECK DTC**

- (a) Turn the ignition switch to the ON position.
- (b) Clear the DTCs stored in memory (See page [RS-310](#)).

**HINT:**

First clear DTCs stored in the occupant classification ECU and then in the center airbag sensor assembly.

- (c) Turn the ignition switch to the LOCK position.
- (d) Turn the ignition switch to the ON position.
- (e) Check the DTCs (See page [RS-310](#)).

**OK:**

**DTC B1787 is not output.**

**HINT:**

Codes other than DTC B1787 may be output at this time, but they are not related to this check.

**OK** → **END**

**NG**

**4 REPLACE FRONT SEAT ASSEMBLY RH**

**RS**

- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery.
- (c) Replace the front seat assembly RH (See page [SE-38](#)).

**HINT:**

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

**NEXT**

**5 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 "COMPLETED" is displayed.**

**NG** → **Go to step 8**

**OK**

**6 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**

**7 CHECK DTC**

- (a) Turn the ignition switch to the ON position.
- (b) Clear the DTCs stored in memory (See page [RS-310](#)).

## HINT:

First clear DTCs stored in the occupant classification ECU and then in the center airbag sensor assembly.

- (c) Turn the ignition switch to the LOCK position.
- (d) Turn the ignition switch to the ON position.
- (e) Check the DTCs (See page [RS-310](#)).

**OK:**

**DTC B1787 is not output.**

## HINT:

Codes other than DTC B1787 may be output at this time, but they are not related to this check.

OK

END

RS

NG

8

## REPLACE OCCUPANT CLASSIFICATION ECU

- (a) Turn the ignition switch to the LOCK position.
- (b) Disconnect the negative (-) terminal cable from the battery.
- (c) Replace the occupant classification ECU (See page [RS-457](#)).

NEXT

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

**OK:**

The "**COMPLETED**" is displayed.

NEXT

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## 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