

<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 when an accident occurs.

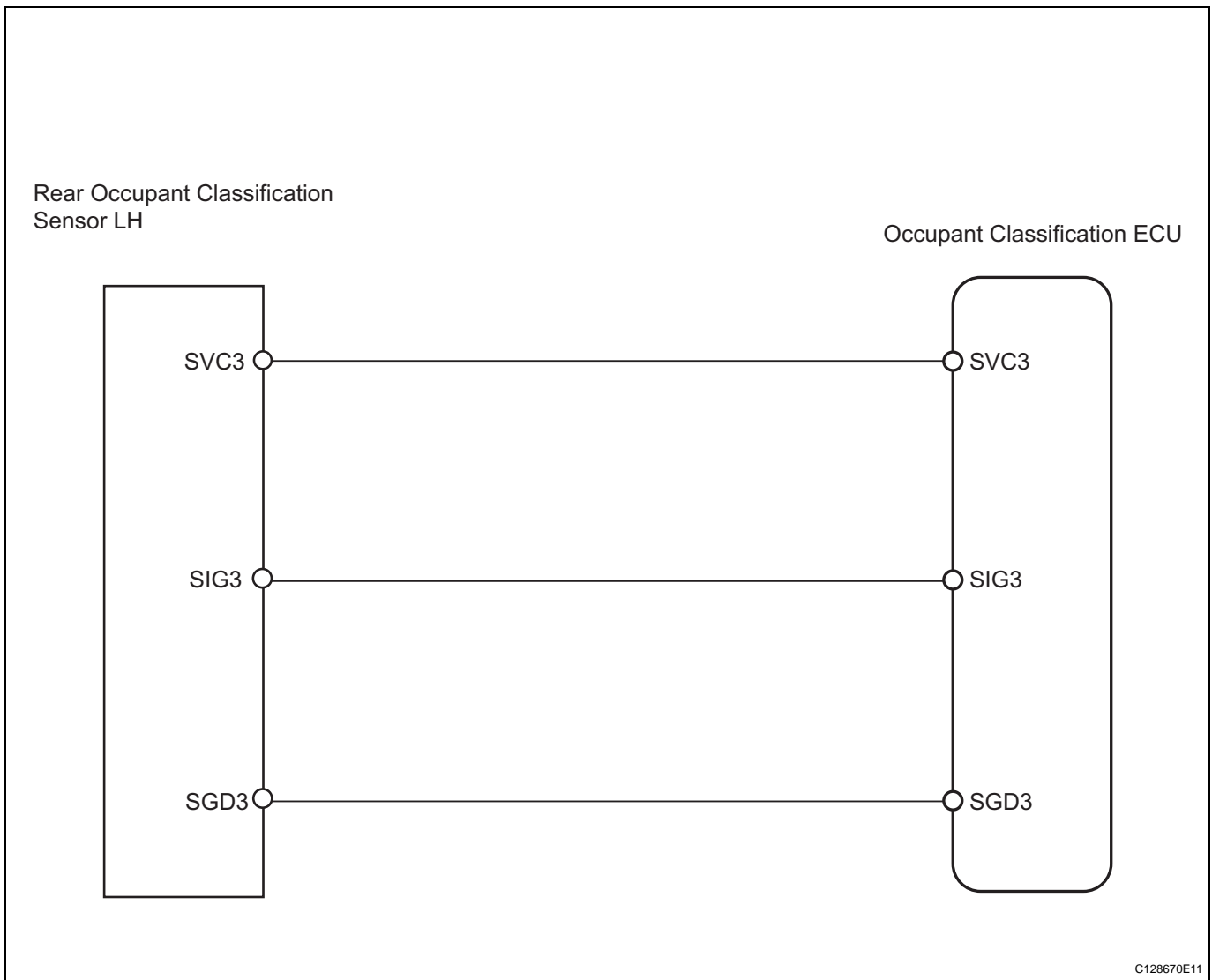
DTC B1787 is also output when the front seat assembly RH is subjected to a strong impact, even if an actual accident does not occur.

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 performing the zero point calibration and sensitivity check.

Therefore, when DTC B1787 is output, first perform the zero point calibration and sensitivity check.

DTC No.	DTC Detection Condition	Trouble Area
B1787	When one of following conditions is met: <ul style="list-style-type: none"> <li>• Front seat RH malfunction</li> <li>• Occupant classification ECU malfunction</li> <li>• Rear occupant classification sensor LH detects large load</li> </ul>	<ul style="list-style-type: none"> <li>• Occupant classification ECU</li> <li>• Front seat RH (Rear occupant classification sensor LH)</li> </ul>

**WIRING DIAGRAM**



**RS**

## INSPECTION PROCEDURE

## 1 PERFORM ZERO POINT CALIBRATION

- (a) Connect the intelligent tester to the DLC3.
- (b) Turn the ignition switch ON.
- (c) Using the intelligent tester, perform the zero point calibration (see page [RS-241](#)).

**OK:****COMPLETED is displayed.****NG****Go to step 4****OK**

## 2 PERFORM SENSITIVITY CHECK

- (a) Using the intelligent tester, perform the sensitivity check (see page [RS-241](#)).

**Standard value:****27 to 33 kg (59.52 to 72.75 lb)****NG****Go to step 4****OK**

## 3 CHECK FOR DTC

- (a) Turn the ignition switch ON.
  - (b) Clear the DTCs (see page [RS-249](#)).
- HINT:**  
First clear DTCs stored in the occupant classification ECU and then in the center airbag sensor.
- (c) Turn the ignition switch OFF.
  - (d) Turn the ignition switch ON.
  - (e) Check the DTCs (see page [RS-249](#)).

**OK:****DTC B1787 is not output.****HINT:**

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

**OK****USE SIMULATION METHOD TO CHECK****NG**

## 4 REPLACE FRONT SEAT ASSEMBLY RH

- (a) Turn the ignition switch OFF.
- (b) Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.
- (c) Replace the front seat RH (see page [SE-27](#)).

HINT:

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

NEXT

**5 PERFORM ZERO POINT CALIBRATION**

- (a) Connect the cable to the negative (-) battery terminal, and wait for at least 2 seconds.
- (b) Connect the intelligent tester to the DLC3.
- (c) Turn the ignition switch ON.
- (d) Using the intelligent tester, perform the zero point calibration (see page [RS-241](#)).

**OK:**

**COMPLETED is displayed.**

NG

Go to step 8

OK

**6 PERFORM SENSITIVITY CHECK**

- (a) Using the intelligent tester, perform the sensitivity check (see page [RS-241](#)).

**Standard value:**

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

NG

Go to step 8

OK

**7 CHECK FOR DTC**

- (a) Turn the ignition switch ON.
- (b) Clear the DTCs (see page [RS-249](#)).  
HINT:  
First clear DTCs stored in the occupant classification ECU and then in the center airbag sensor.
- (c) Turn the ignition switch OFF.
- (d) Turn the ignition switch ON.
- (e) Check the DTCs (see page [RS-249](#)).

**OK:**

**DTC B1787 is not output.**

HINT:

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

OK

USE SIMULATION METHOD TO CHECK

NG

**8 REPLACE OCCUPANT CLASSIFICATION ECU**

- (a) Turn the ignition switch OFF.
- (b) Disconnect the cable from the negative (-) battery terminal, and wait for at least 90 seconds.
- (c) Replace the occupant classification ECU (see page [RS-250](#)).

**NEXT****9 PERFORM ZERO POINT CALIBRATION**

- (a) Connect the cable to the negative (-) battery terminal, and wait for at least 2 seconds.
- (b) Connect the intelligent tester to the DLC3.
- (c) Turn the ignition switch ON.
- (d) Using the intelligent tester, perform the zero point calibration (see page [RS-241](#)).

**OK:****COMPLETED is displayed.****NEXT****10 PERFORM SENSITIVITY CHECK**

- (a) Using the intelligent tester, perform the sensitivity check (see page [RS-241](#)).

**Standard value:****27 to 33 kg (59.52 to 72.75 lb)****RS****NEXT****END**