

DTC	B1785	Front Occupant Classification Sensor LH Collision Detection
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DESCRIPTION

DTC B1785 is output when the occupant classification ECU receives a collision detection signal sent by the front occupant classification sensor LH if an accident occurs.

DTC B1785 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 B1785 can be cleared by "Zero point calibration" and "Sensitivity check".

Therefore, if DTC B1785 is output, first perform "Zero point calibration" and "Sensitivity check".

RS

DTC No.	DTC Detecting Condition	Trouble Area
B1785	<ul style="list-style-type: none"> • Front seat assembly RH malfunction • Occupant classification ECU malfunction • Front occupant classification sensor LH sensed large load 	<ul style="list-style-type: none"> • Occupant classification ECU • Front seat assembly RH (Front occupant classification sensor LH)

WIRING DIAGRAM

See page [RS-321](#).

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.

NG

Go to step 4

OK

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)

NG

Go to step 4

OK

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 B1785 is not output.

HINT:

Codes other than DTC B1785 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 B1785 is not output.

HINT:

Codes other than DTC B1785 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

9

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

10

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