

**DTC****B1797****Calibration Malfunction****DESCRIPTION**

DTC B1797 is output when the following condition is met:

- Zero point calibration is performed when the conditions for the calibration are not satisfied.
- Zero point calibration has failed.

**Condition for the zero point calibration:**

Item	Condition
DTC	Not recorded.
Front passenger seat occupant.	Vacant
Front passenger side buckle switch.	OFF (The seat belt is not fastened)
ECU temperature	0 to 46°C (32 to 114.8°F)
Filtered pressure	38 to 75 count

DTC No.	DTC Detecting Condition	Trouble Area
B1797	<ul style="list-style-type: none"> <li>Zero point calibration is performed when the conditions for the calibration are not satisfied.</li> <li>Zero point calibration has failed.</li> </ul>	<ul style="list-style-type: none"> <li>There is no malfunction if this DTC is not output again after performing occupant classification system zero point calibration.</li> <li>Occupant classification sensor (front seat cushion assembly)</li> </ul>

**HINT:**

- When DTC B1650/32 is detected as a result of troubleshooting for the supplemental restraint system, check the DTCs stored in the occupant classification ECU. When DTC B1797 is output, perform troubleshooting for the DTC.
- Use the intelligent tester to check for DTCs of the occupant classification ECU, otherwise the DTC cannot be read.

**1****CHECK DTC**

- Turn the ignition switch to the ON position.
- Clear the DTCs stored in the memory (See page [RS-487](#)).

**HINT:**

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

- Turn the ignition switch to the LOCK position.
- Turn the ignition switch to the ON position, and wait for at least 10 seconds.
- Check the DTCs (See page [RS-487](#)).

**OK:**

**DTC B1797 is output.**

**HINT:**

DTCs other than B1797 may be output at this time, but they are not related to this check.

**NO****END****YES****2****READ VALUE OF DATA LIST (SPECIFIED CONDITION FOR ZERO POINT CALIBRATION)**

- Connect the intelligent tester to the DLC3.

- (b) Turn the ignition switch ON position.  
(c) Using the intelligent tester, read the DATA LIST (See page RS-487).

Item	Measurement Item/ Range (Display)	Normal Condition	Specified Condition for Zero Point Calibration
RELATIVE PRESS	Pressure sensor output/ Min.: 0 Max.: 255	0 to 210 (reference value)	0 to 2
THERMISTOR TEMP	Thermistor temperature output/ Min.: -40°C (-40°F) Max.: 90°C (194°F)	-40 to 85°C (-40 to 185°F)	3 to 40°C (36 to 104°F)
#PRESENT CODES	Number of present trouble codes/ Min.: 0 Max.: 255	0	0
#PAST CODES	Number of past trouble codes/ Min.: 0 Max.: 255	0	0

**RESULT**

Result	Proceed to
All items correspond to the range of specified condition for zero point calibration.	A
THERMISTOR TEMP does not correspond to the range of specified condition for zero point calibration.	B

**B****Go to step 6****A****3****CHECK DTC****HINT:**

Check that the zero point calibration is completed normally. If either of the following condition is met, DTC B1797 will be output (Refer to INITIALIZATION: See page RS-480).

- Zero point calibration is performed when the the calibration conditions are not satisfied.
  - Zero point calibration has failed.
- (a) Turn the ignition switch to the ON position.  
(b) Clear the DTCs stored in the memory (See page RS-487).

**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-487).

**OK:**

**DTC B1797 is not output.**

**NEXT****4****PERFORM ZERO POINT CALIBRATION**

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

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- (c) Using the intelligent tester, perform the zero point calibration (See page [RS-480](#)).
  - (d) Turn the ignition switch to the OFF position.
  - (e) Turn the ignition switch to the ON position.
  - (f) Clear the DTCs stored in the memory (See page [RS-487](#)).
- HINT:  
If DTC is not cleared at this time, past DTC will remain.

**NEXT****5 CHECK DTC**

- (a) Turn the ignition switch to the ON position.
  - (b) Clear the DTCs stored in the memory (See page [RS-487](#)).
- 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-487](#)).
- OK:**  
**DTC B1797 is not output.**
- HINT:  
DTCs other than B1797 may be output at this time, but they are not related to this check.

**NEXT****END****6 REPLACE FRONT SEAT CUSHION ASSEMBLY (WITH OCCUPANT CLASSIFICATION SENSOR AND SENSOR)**

- (a) Turn the ignition switch to the LOCK position.
  - (b) Disconnect the negative (-) terminal cable from the battery, and wait for at least 90 seconds.
  - (c) Replace the front seat cushion assembly (with occupant classification sensor and ECU) (See page [RS-626](#)).
  - (d) Connect the negative (-) terminal cable to the battery.
  - (e) Turn the ignition switch to the ON position.
  - (f) Clear the DTCs stored in the memory (See page [RS-487](#)).
- HINT:  
First clear DTCs stored in the occupant classification ECU and then in the center airbag sensor assembly.
- (g) Turn the ignition switch to the LOCK position.
  - (h) Turn the ignition switch to the ON position.
  - (i) Using the intelligent tester, check the DTCs of the occupant classification ECU (See page [RS-487](#)).
- OK:**  
**DTC is not output.**

**NEXT**

**END**