

## INITIALIZATION

### 1. ZERO POINT CALIBRATION

#### NOTICE:

**Make sure that the front passenger seat is not occupied before performing the operation.**

#### HINT:

Perform the zero point calibration and sensitivity check if any of the following conditions apply.

- The occupant classification ECU is replaced.
- Accessories (seatback tray and seat cover, etc.) are installed.
- The front passenger seat is removed from the vehicle.
- The passenger airbag ON/OFF indicator (OFF) comes on when the front passenger seat is not occupied.
- The vehicle is brought to the workshop for repair due to an accident or a collision.

- (a) Zero point calibration and sensitivity check procedures

#### HINT:

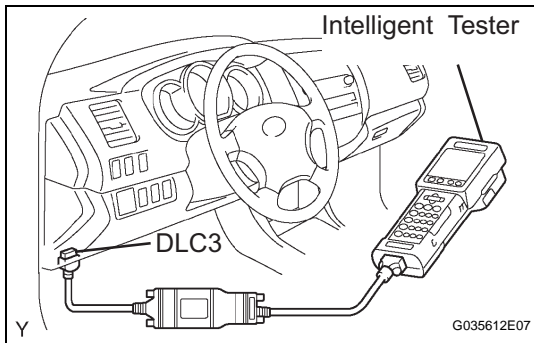
Make sure that the zero point calibration has finished normally, and then perform the sensitivity check.

- (1) Adjust the seat position in accordance with the table below.

Adjustment Item	Position
Slide Direction	Rearmost position
Reclining Angle	Upright position
Headrest Height	Lowest position
Lifter Height	Lowest position

- (2) Connect the intelligent tester to the DLC3.

- (3) Turn the ignition switch to the ON position.



(4) Perform the zero point calibration by following the prompts on the tester screen.

**ZERO POINT CALIBRATION PROCEDURE**

1: DIAGNOSIS - 1: OBD/MOBD - MODEL YEAR - MODEL SELECTION - 9: OCCUPANT DETECT  
Refer to the following screen flow.

DIAGNOSTIC MENU  
OCCUPANT DETECT

1: DATA LIST  
2: DTC INFO  
4: SNAPSHOT  
**5: ZERO CALIBRATION**  
6: SENSITIVITY CHK



NOTICE

Please confirm seat position.

Slide: Max rear  
Recline: Max upright  
Headrest: Max down  
Lifter: Max down

PRESS [ENTER] or [EXIT]



NOTICE

Confirm that nothing is placed on the passenger seat.

PRESS [ENTER] or [EXIT]



NOTICE

Do you wish to start "ZERO CALIBRATION"?

PRESS [YES] or [NO]



ZERO CALIBRATION

COMPLETED

Next, perform the SENSITIVITY CHECK.

PRESS [ENTER]

**Perform sensitivity check.**

ZERO CALIBRATION

FAILED

Failed to SECURITY ACCESS.

Try again  
PRESS [ENTER]

ZERO CALIBRATION

FAILED

EEPROM writing error  
Please check DTCs

PRESS [ENTER]

**Perform DTC check and repair.**

ZERO CALIBRATION

FAILED

Sensor range over malfunction

Front Left —[ ]  
Front Right —[ ]  
Rear Left —[ ]  
Rear Right —[ ]

PRESS [ENTER]

**Sensor information is shown as OK, MAX. or MIN. in [ ].**

**If MAX. or MIN. is displayd, replce front seat outer belt assembly.**

**RS**

**HINT:**  
Refer to the intelligent tester operator's manual for further details.

**OK:****COMPLETE is displayed.**

- (5) Perform the sensitivity check by following the prompts on the tester screen.
- (6) Confirm that the beginning sensor reading is within the standard range.

**Standard range:****-3.2 to 3.2 kg (-7 to 7 lb)**

- (7) Place a 30 kg (66.14 lb) weight (e.g. a lead mass) onto the front passenger seat.
- (8) Confirm that the sensitivity is within the standard range.

**SENSITIVITY CHECK PROCEDURE**

1: DIAGNOSIS → 1: OBD/MOBD → MODEL YEAR → MODEL SELECTION → 9: OCCUPANT DETECT

DIAGNOSTIC MENU  
OCCUPANT DETECT

- 1: DATA LIST
- 2: DTC INFO
- 4: SNAPSHOT
- 5: ZERO CALIBRATION
- 6: SENSITIVITY CHK**

**NOTICE**

Please confirm  
that nothing is  
placed on the  
passenger seat.

PRESS [ENTER] or [EXIT]

**SENSITIVITY CHECK**

Beginning sensor  
reading should be  
-3.2 to 3.2 kg.  
(-7 to 7 lbs)

Sensor reading  
0.00 kg

PRESS [ENTER]

**SENSITIVITY CHECK**

Place 30 kg (66 lbs)  
weight on passenger  
seat. Sensor reading  
should be 27 to 33 kg.  
(59 to 73 lbs)

Sensor reading  
0.00 kg (\*1)  
PRESS [ENTER]

\*1: Unit can be changed by entering the following menu items on  
an intelligent tester.

**[Unit Selection Screen]**

**1: DIAGNOSIS → 9: SETUP → 4: UNIT CONVERSION**  
→ **WEIGHT (kg = lbs)**

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**Standard range:****27 to 33 kg (59.52 to 72.75 lb)****HINT:**

- When performing the sensitivity check, use a solid metal weight (the check result may not be accurate if a liquid weight is used).

- If the sensitivity deviates from the standard range, retighten the bolts of the front passenger seat taking care not to deform the seat rail. After performing this procedure, if the sensitivity is not within the standard range, replace the front seat assembly RH.
- If the zero point calibration has not finished normally, replace the front seat assembly RH.