

12. System Calibration (Rezeroing)

A: OPERATION

NOTE:

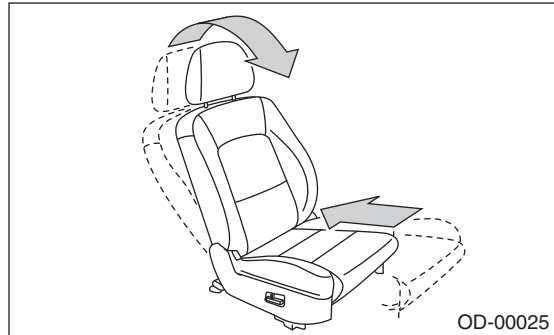
When replacing the occupant detection system, or removing and disassembling the passenger's seat, always perform the system calibration after installing a seat in the vehicle.

CAUTION:

When the trouble occurs in the system during calibration process, "Occupant detection calibration failure" is detected in the DTC 2A of the airbag system and the airbag warning light lights. In this case, after turning the ignition switch to OFF once, redo the system calibration (Rezeroing), or after clearing the cause of the failure, perform the system calibration again.

- 1) Park empty vehicle on a level surface.
- 2) Select {Each System Check} in «Main Menu».
- 3) On the «System Selection Menu» display screen, select the {Occupant Detection System}.
- 4) On the «Occupant Detection System» display screen, select the {Rezeroing}.
- 5) «See service manual. And check vehicle condition for successfully completing the rezeroing». is displayed. Check the following to adjust the condition of the vehicle.
 - Adjust the seat backrest to be fully upright. (For models with power seats, press the power seat button until the backrest comes to a stop.)
 - Adjust the seat slide position all the way back. (For models with power seats, press the power seat button until the seat slide does not move any further.)
 - Do not place anything on the top of the seat cushion.
 - Sit on the seat cushion to smooth the seat surface.
 - Check that the passenger's seat belt is not inserted into the buckle, not tense or not stuck.
 - Check that ambient temperature is in a range from 0 to 40°C.

- 6) When the «Re-zeroing Adjust the passenger seat to the condition shown in service manual» is displayed, slide the passenger seat all the way to the back, check that the backrest is adjusted to all the way up, and select the [OK].



- 7) When the «Re-zeroing Unbelt the Passenger seatbelt Continue: OK, Quit: NO» is displayed, make sure the passenger's seatbelt is disconnected from the buckle and select the [OK].
- 8) When the «Re-zeroing Empty the passenger seat Continue: OK, Quit: NO» is displayed, make sure that the passenger's seat is empty, airbag OFF indicator illuminates and airbag ON indicator does not illuminate, and select the [OK].

NOTE:

- After selecting the [OK], «In process.... Please wait for a while without touching vehicle» is displayed. Do not touch or rock the vehicle while the message is displayed.
 - During the system calibration process, if the «Re-zeroing is unsuccessful See service manual Press "OK" to END» is displayed, go to step 10).
- 9) When the «re-zeroing is ended normally, the Re-zeroing is successfully completed Press "OK" to END» is displayed. And then turn the ignition switch to OFF to finish the diagnosis.
 - 10) During the system calibration process, if «Re-zeroing is unsuccessful See service manual Press "OK" to END» is displayed, turn the ignition switch to OFF once and turn it ON again, then read the DTC of the airbag system. <Ref. to OD(diag)-15, Read Diagnostic Trouble Code (DTC).> When DTC is input, fix the fault and then perform the system calibration. When DTC is not input, check the seat and vehicle status and then perform the system calibration again. <Ref. to OD(diag)-19, System Calibration (Rezeroing).>

NOTE:

When the re-zeroing is unsuccessful, there could be occupant detection system failure or improper seat and vehicle status. When the airbag warning light illuminates, read the DTC of the airbag system, and perform the diagnosis while referring to List of Diagnostic Trouble Code. <Ref. to OD(diag)-15, Read Diagnostic Trouble Code (DTC).> <Ref. to AB(diag)-40, LIST, List of Diagnostic Trouble Code (DTC).>