

INITIALIZATION

NOTICE:

When disconnect the negative (–) battery terminal, initialize the following systems after the terminal is reconnected.

System Name	See Step No.
Back Guide Monitor System	Step 1
Power Window Control System	Step 4
Front Power Seat Control System	Step 5

1. CORRECTION ON THE STEERING ANGLE NEUTRAL POINT

(a) If the following operations are performed, "SYSTEM INITIALIZING" is displayed on the multi-display.

Parts Name	Operation	Initialize Item
Battery cable	• Disconnect	Steering angle neutral point in memory
Steering angle sensor connector	• Disconnect	Steering angle neutral point in memory
Steering angle sensor	• Replace • Remove and install	Steering angle neutral point in memory

(b) When "SYSTEM INITIALIZING" is displayed, correct the steering angle neutral point using either of the following methods.

2. METHOD 1

(a) Turn the steering wheel to the right and left fully.

3. METHOD 2

(a) Drive the vehicle at more than 20 km/h (12.43 mph) for more than 5 minutes on a straight road and with as little traffic congestion as possible.

HINT:

While driving at a constant vehicle speed, the ECU recognizes the point where the steering angle changes the least and memorizes it as the steering angle neutral point.

(b) Stop the vehicle and check whether the neutral point is stored or not. If it is not stored, drive the vehicle some more (the neutral point is stored by driving the vehicle straight).

4. HOW TO RESET POWER WINDOW MOTOR (RESET SWITCH AND PULSE SWITCH)

If the jam protection does not function properly, perform the following procedure.

HINT:

Resetting the power window regulator motor (initializing the limit switch) is necessary if: 1) the window regulator is replaced or removed/installed; or 2) the window regulator is operated without the door glass installed.

(a) Remove the power window motor.

HINT:

Place the matchmarks on the power window motor and window regulator gear.

(b) Connect the power window motor and power window switch to the wire harness of the vehicle.

(c) Halfway pull up the power window switch. Rotate the power window motor between 6 to 10 revolutions, or for 4 seconds or more.

(d) Assemble the power window motor and regulator.

HINT:

- Install the motor when the regulator arm is below the middle point.
- Align the matchmarks on the power window motor and window regulator gear.

(e) Assemble the power window regulator and door glass.

HINT:

Do not push down on the power window switch (rotate the motor downward) until the door glass installation has been completed.

(f) Connect the power window switch to the wire harness and turn the ignition switch ON.

(g) Repeat UP and DOWN operation several times manually.

(h) Check if AUTO UP/DOWN function operates normally.

HINT:

- Be careful with the power window during AUTO operation. The jam protection function does not operate just after the power window motor is initialized.
 - Use the power window's AUTO UP function to fully close the window. If the power window lowers after being fully closed, initialize the power window motor again.
- (i) Check the power window function.

5. INITIALIZE FRONT POWER SEAT CONTROL SYSTEM

(a) The power seat ECU must be initialized under any of the following conditions.

- The battery is disconnected.
- The D/C cut fuse is replaced.
- The power seat switch (power seat ECU) is replaced.
- The power seat assy is removed from the vehicle.

(b) Initialize the power seat ECU as follows.

- (1) Using the seat switches, fully slide the seat forward, fully recline the seatback forward, and fully raise the seat cushion and headrest.
- (2) Using the seat switches, fully slide the seat rearward, fully recline the seatback rearward and fully lower the seat cushion and headrest.