

Power Window System

GLASS/WINDOWS/MIRRORS

3. Power Window System

A: WIRING DIAGRAM

Refer to “Power Window System” in the wiring diagram.

- Gasoline engine model: <Ref. to WI(w/o HEV)-16, Power Supply Circuit.>
- HEV model: <Ref. to WI(HEV)-21, Power Supply Circuit.>

B: INSPECTION

Symptoms	Inspection order
All power windows do not operate.	1. Check the fuse. 2. Check the power window relay. 3. Check the wiring harness.
Particular window does not operate.	1. Check the fuse. 2. Check the switch - power window main. 3. Check the switch - power window sub. 4. Check the power window motor. 5. Check the wiring harness.
“Window Lock” does not operate.	Check the switch - power window main.
Driver's side window moves slightly (approx. 20 mm (0.79 in)).	1. Check the motor - front. 2. Check the switch - power window main. 3. Check the wiring harness.
Driver's side window moves slightly (approx. 50 mm (1.97 in)). (This status is not a failure.)	Perform reset operation A. <Ref. to GW-10, RESET OPERATION A, OPERATION, Power Window System.>
Driver's side window does not close completely. (Using AUTO UP allows the window to fully close first and then move in reverse resulting in slightly opening.)	Perform reset operation B. <Ref. to GW-10, RESET OPERATION B, OPERATION, Power Window System.>

C: OPERATION

1. RESET OPERATION A

- 1) Sit in the driver's seat and close the door.
- 2) Turn the ignition switch to ON.
- 3) Operate the switch - power window main to open the glass assembly - front door halfway.
- 4) Operate the switch - power window main in “UP” direction to fully close the glass assembly - front door on the driver's side.
- 5) While the glass assembly - front door is fully closed, hold down the switch - power window main in “UP” direction for one second.
- 6) Operate the switch - power window main in “AUTO DOWN” direction to check whether the window fully opens properly.

NOTE:

If the window does not fully open properly, repeat steps 1) to 6).

2. RESET OPERATION B

- 1) Sit in the driver's seat and close the door.
- 2) Turn the ignition switch to ON.
- 3) On the glass assembly - front door of the driver's side, operate the “AUTO UP” function (fully pull up the switch) using the switch - power window main, and perform auto-reverse operations 10 times in a row (after the window fully closes, it slightly opens).
- 4) Check that the “AUTO UP” function no longer operates.
- 5) Perform reset operation A.
- 6) Check that the window operates properly by operating the “AUTO UP” and “AUTO DOWN” switch.

NOTE:

If the window does not fully open/close properly, repeat steps 1) to 6).

D: NOTE

For operation procedures of each component of the power window system, refer to the respective sections.

- Power window control switch: <Ref. to GW-12, Power Window Control Switch.>
- Front door glass: <Ref. to GW-18, Front Door Glass.>
- Front regulator and motor assembly: <Ref. to GW-21, Front Regulator and Motor Assembly.>
- Rear door glass: <Ref. to GW-31, Rear Door Glass.>
- Rear regulator and motor assembly: <Ref. to GW-33, Rear Regulator and Motor Assembly.>