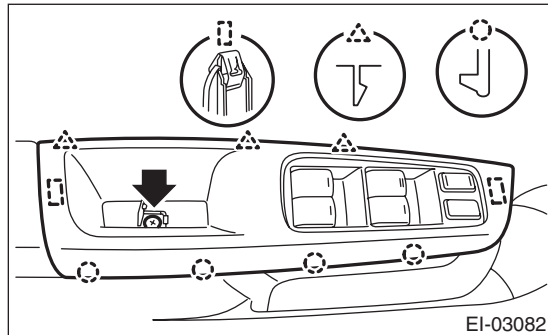


3. Power Window Control Switch

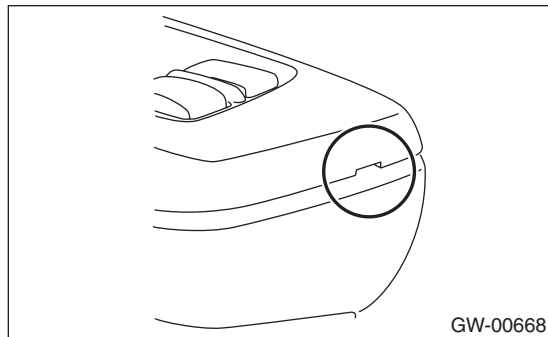
A: REMOVAL

1. MAIN SWITCH

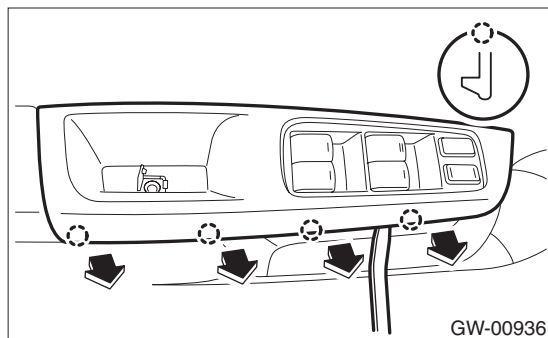
- 1) Disconnect the ground cable from battery.
- 2) Remove the power window switch panel.



- (1) Open the cover and remove the screws.
- (2) Lift up the tip of switch panel by using a plastic remover.



- (3) Disengage the end face tabs by using a plastic remover.

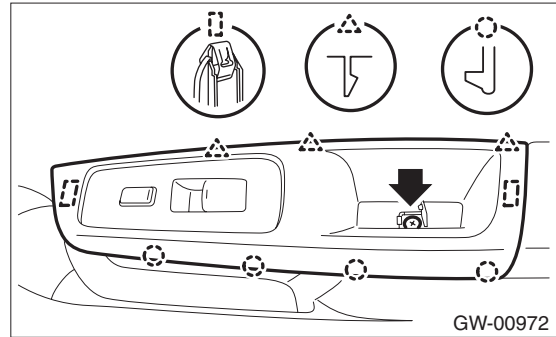


- (4) Remove the power window switch panel.
- 3) Disconnect the main switch connector.
- 4) Remove the screws to remove the power window main switch assembly.

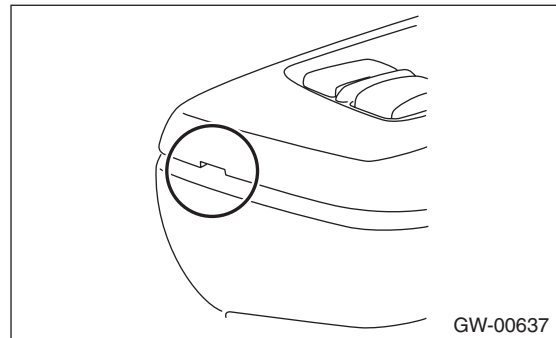
2. SUB-SWITCH

- 1) Disconnect the ground cable from battery.

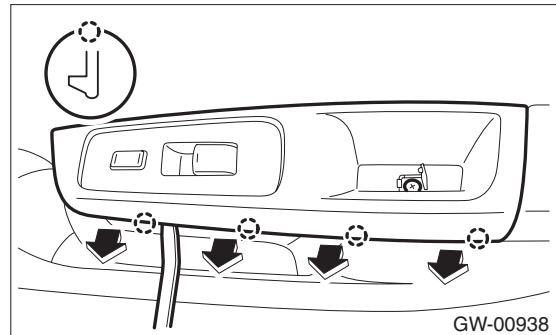
- 2) Remove the power window switch panel.



- (1) Open the cover and remove the screws.
- (2) Lift up the tip of switch panel by using a plastic remover.



- (3) Disengage the end face tabs by using a plastic remover.



- (4) Remove the power window switch panel.
- 3) Disconnect the power window sub-switch connector.
- 4) Remove the screws to remove the power window sub-switch assembly.

B: INSTALLATION

CAUTION:

After installation of main switch, always perform the reset operation A (initial setting). Failure to do so may cause the improper activation of auto-reverse operation for pinching hazard prevention. <Ref. to GW-8, RESET OPERATION A, INSPECTION, Power Window System.>

Install each part in the reverse order of removal.

C: INSPECTION

1. MAIN SWITCH

• Driver's seat

CAUTION:

Since the driver's side power window switch is controlled by CPU, do not check continuity for switch alone with the circuit tester. Performing continuity check with circuit tester may damage the driver's side power window switch circuit.

Check output from the power window main switch to driver's side motor using the oscilloscope function in the Subaru Select Monitor.

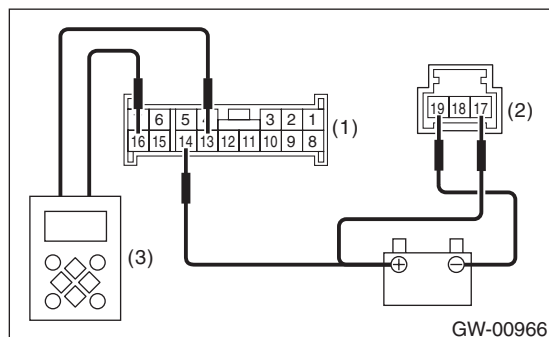
- 1) Disconnect the ground cable from battery.
- 2) Remove the power window main switch. <Ref. to GW-9, REMOVAL, Power Window Control Switch.>
- 3) Connect the battery and the Subaru Select Monitor to the power window main switch connector.

CAUTION:

Never mix up the terminals when connecting the power window main switch connector and battery. If connected to a wrong terminal, the power window main switch may be damaged.

NOTE:

- When the battery is connected to the power window main switch, the letters "AUTO" on the driver's side knob illuminates.
- For detailed procedures, refer to "Subaru Select Monitor Operation Manual".



- (1) Power window main switch connector (16 poles)
- (2) Power window main switch connector (3 poles)
- (3) Subaru Select Monitor

- 4) Operate the driver's side power window switch knob and check the output.

NOTE:

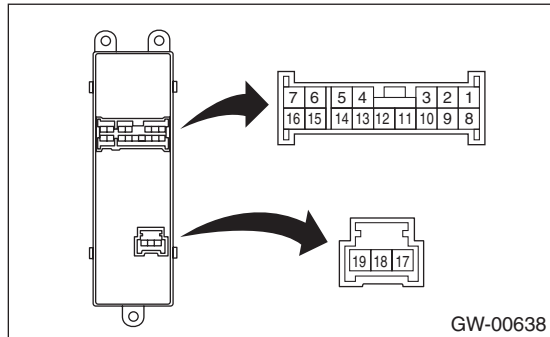
Since output time during window UP operation is extremely short, it cannot be checked without using a measuring instrument such as oscilloscope. Output is constantly produced while the knob is operated for window DOWN operation.

Switch knob position	Output time	Standard
AUTO UP	150 ms	Battery voltage
UP		
OFF	—	0 V
DOWN	During switch knob operation	Battery voltage
AUTO DOWN	Approx. 300 ms	

- 5) Replace the power window main switch if the inspection result is not within the standard value.

• Except for driver's seat

1) Check the resistance between switch terminals.



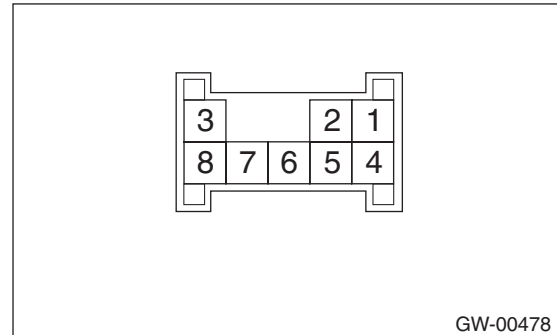
	Switch position	Terminal No.	Standard
Passenger's seat	UP	14 and 8 12 and 19	Less than 1 Ω
	OFF	14 and 12 14 and 8	1 M Ω or more
		8 and 12 8 and 19 12 and 19	Less than 1 Ω
	DOWN	14 and 12 8 and 19	Less than 1 Ω
Rear LH	UP	14 and 7 5 and 19	Less than 1 Ω
	OFF	14 and 7 14 and 5	1 M Ω or more
		19 and 7 19 and 5 7 and 5	Less than 1 Ω
	DOWN	14 and 5 7 and 19	Less than 1 Ω
Rear RH	UP	14 and 1 3 and 19	Less than 1 Ω
	OFF	14 and 1 14 and 3	1 M Ω or more
		19 and 3 19 and 1 3 and 1	Less than 1 Ω
	DOWN	14 and 3 1 and 19	Less than 1 Ω

2) Replace the power window main switch if the inspection result is not within the standard value.

2. SUB-SWITCH

1) Remove the sub-switch. <Ref. to GW-9, SUB-SWITCH, REMOVAL, Power Window Control Switch.>

2) Check the resistance between sub-switch terminals.



	Switch position	Terminal No.	Standard
Passenger seat, rear	UP	4 and 5 6 and 7	Less than 1 Ω
	OFF	7 and 4 8 and 4	1 M Ω or more
		5 and 8 6 and 7	Less than 1 Ω
	DOWN	4 and 6 5 and 8	Less than 1 Ω

3) Replace the power window sub-switch if the inspection result is not within the standard value.