

## Power Window Repair Procedures Translation Notes

This is a translation of the Power Window diagnostic section found in the Body Chapter of the Nissan Figaro factory repair manual.

Please carry out all appropriate precautions to prevent injury or damage the car.

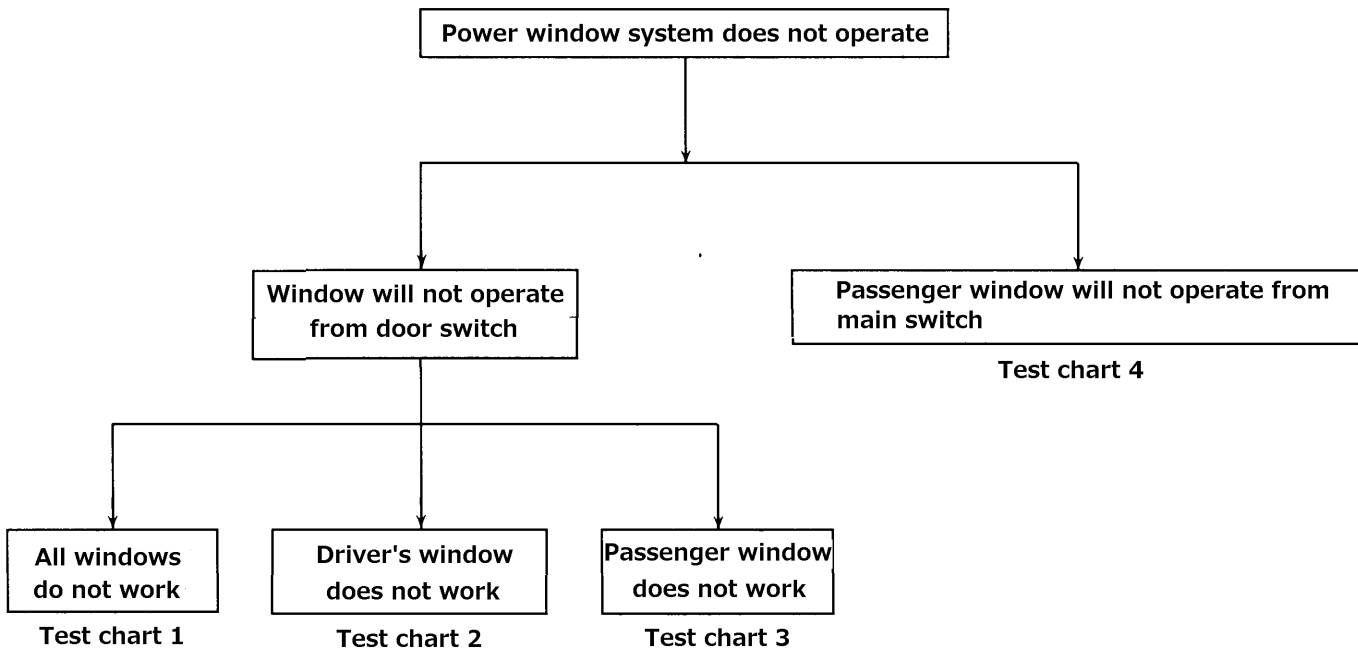
While every effort was done to ensure accuracy, the following is provided "as is". The user will assume all responsibility.

If there is a question about the accuracy or you discover an error please contact me via PM.

Papa-san  
March 2014

### Breakdown Diagnostic Overview

- Using a rough description of the fault, go to one of the 4 diagnostic flowcharts.
- During the tests the ignition switch is in the "on" position and the power window lock switch is in the unlock position.
- Precautions  
Because the tests are done with the ignition switch on, don't forget to turn the switch off and disconnect the battery before servicing components.

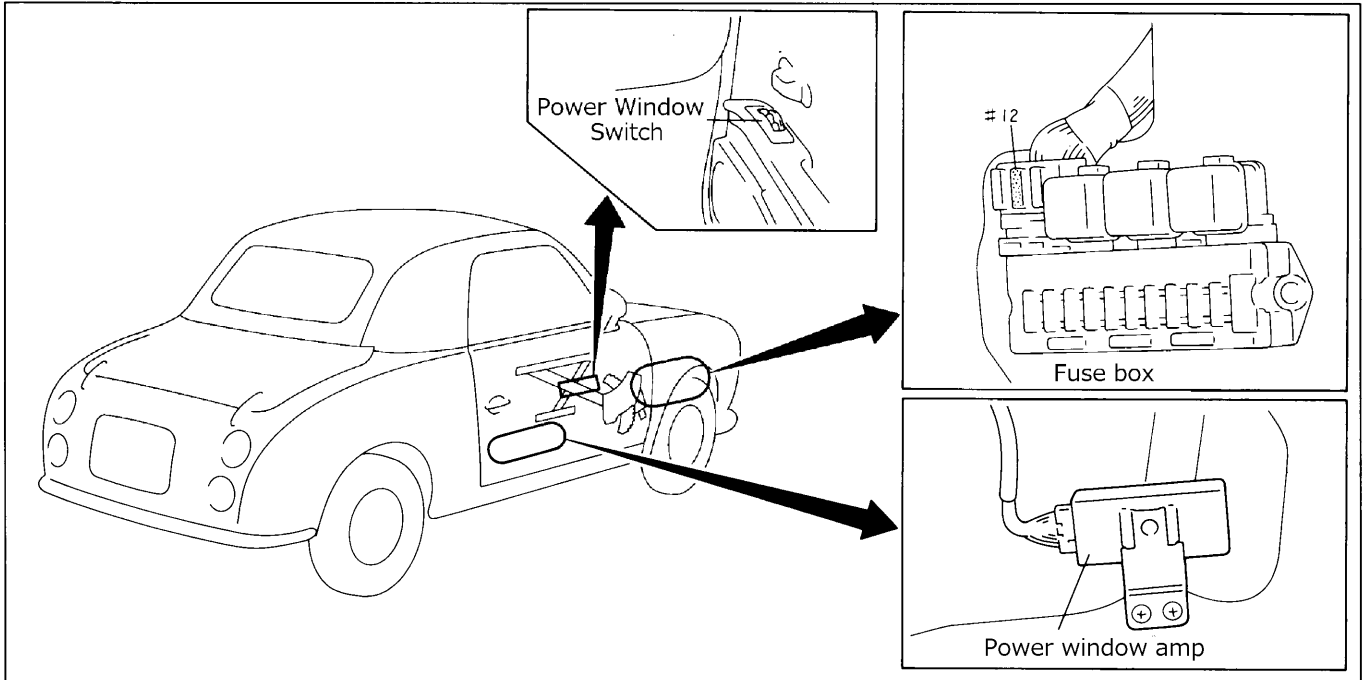


#### Remarks

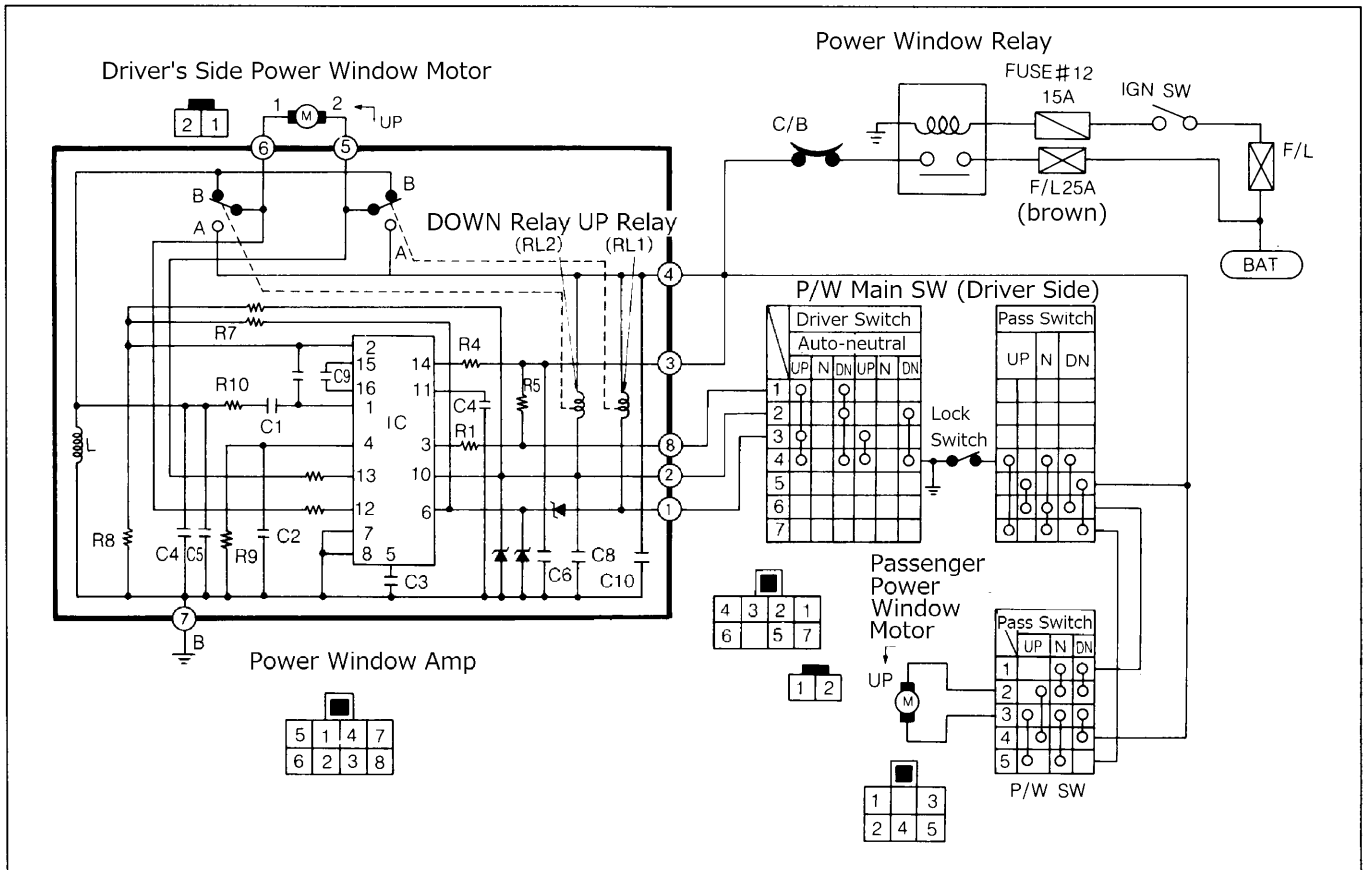
- Personal operation  
Each seat position has a power window switch and can raise/lower the glass.
- Remote operation  
The driver side has the power window main switch and can raise/lower the passenger side glass.

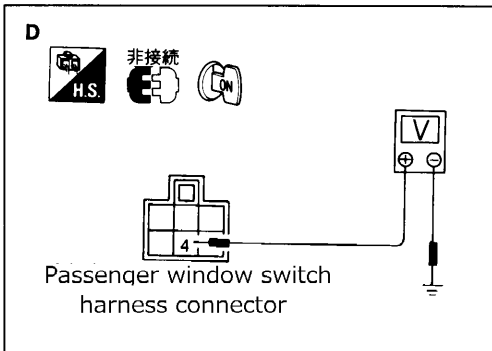
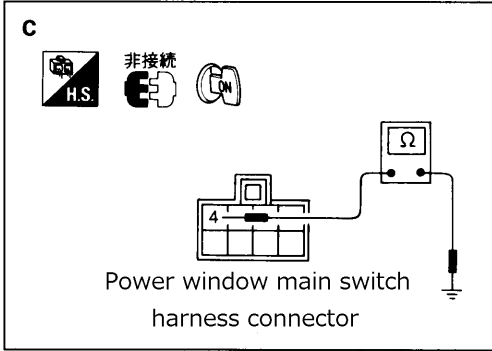
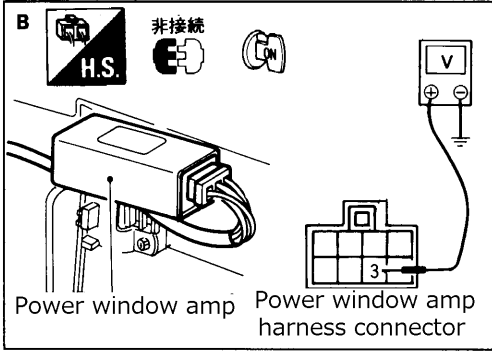
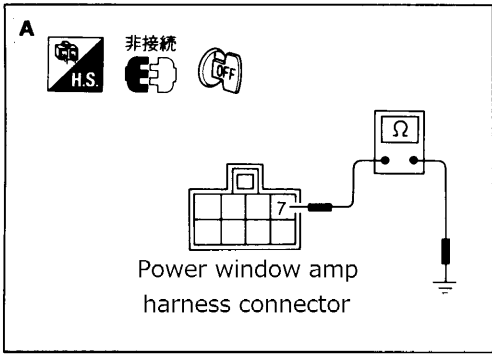
# Power Windows

## Components



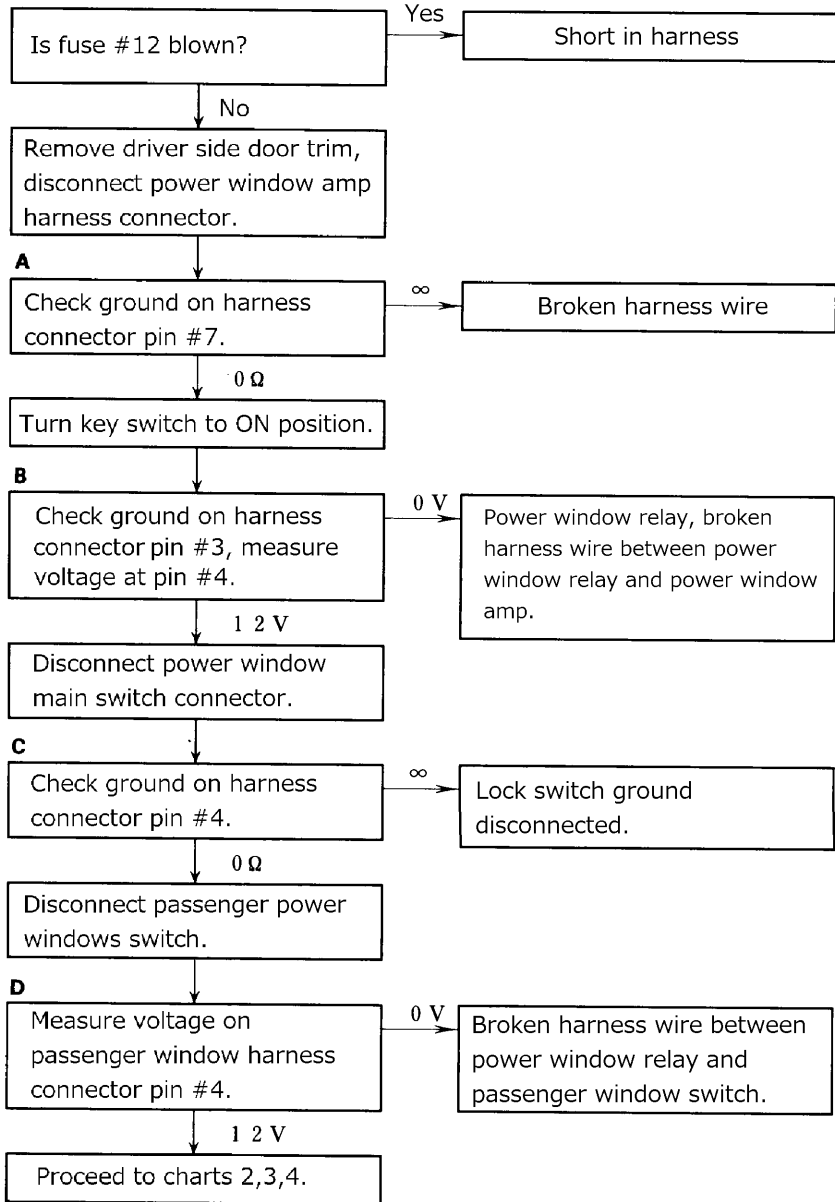
## System





### Diagnostic Chart 1

#### All windows do not work



## Diagnostic Chart 2

### Driver window does not work

Disconnect the driver window switch from the harness.

**A** Check continuity at the switch connector.

$\infty$  Defective power window switch.

$0 \Omega$   
Turn key switch to ON position.

**B** Remove driver side door trim, remove amp harness connector and measure continuity at pin #3, measure voltage at pin #4.

$0 V$  Broken harness wire between power window relay and power window amp.

$12 V$

**C** Measure continuity at power amp connector pin #7.

$\infty$  Defective power window ground.

**D** Operate the driver window switch and measure continuity at the amp harness connector.

$\infty$  Broken harness between power window amp and driver power window switch.

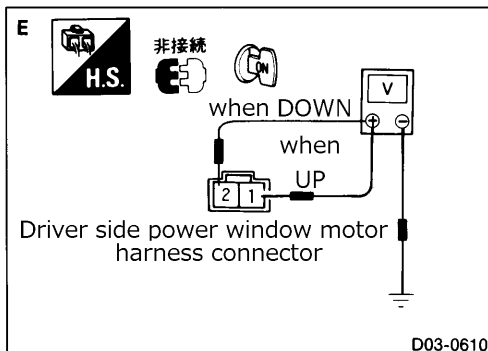
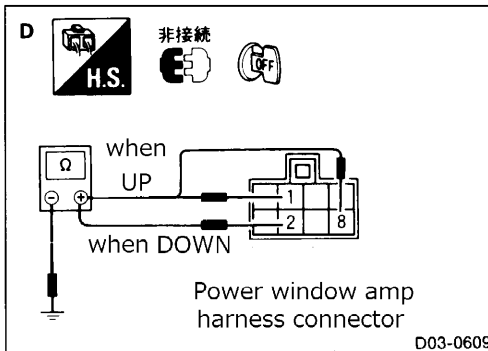
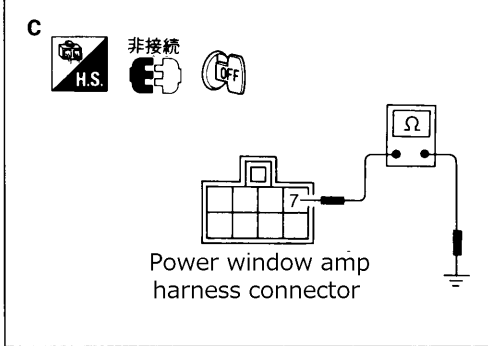
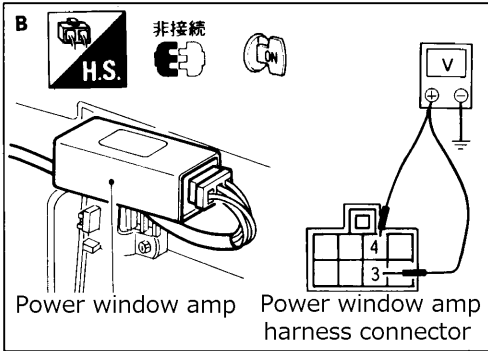
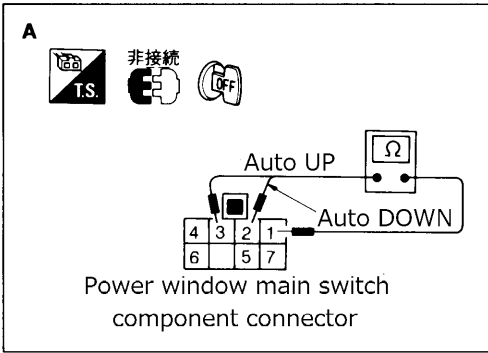
• Auto-switch  
Up position : Pin #1 ground  
Pin #8 ground  
Down position : Pin #2 ground

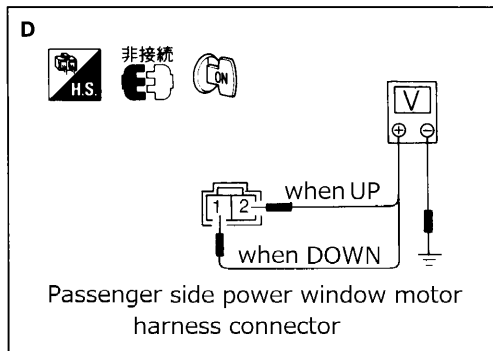
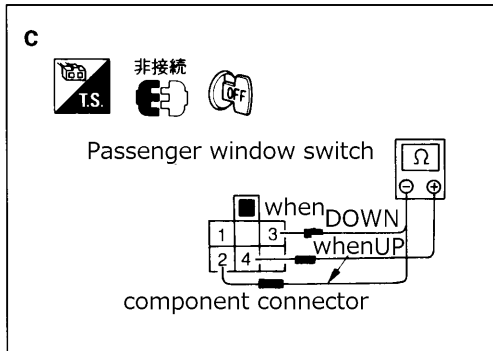
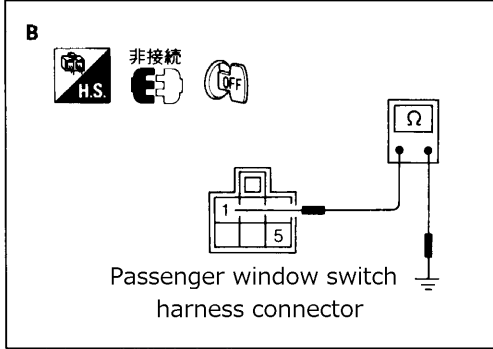
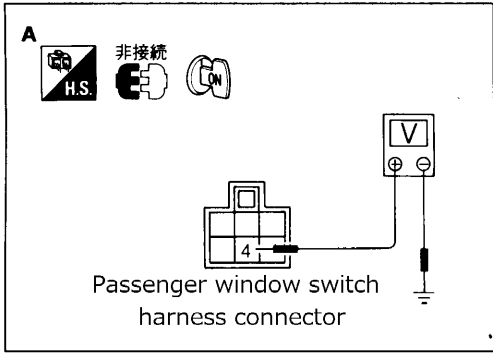
$0 \Omega$   
Reconnect the power window amp connector and disconnect the power window motor connector.

**E** Operate the driver window switch and measure voltage at connector pin.

$12 V$  Defective driver power window motor.

$0 V$  Defective power window amp, broken harness between amp and power window motor.





### Diagnostic Chart 3

#### Passenger window does not work

Disconnect the passenger power window switch harness connector.

Turn key switch to ON position.

**A** Measure voltage between harness connector pin #4 and ground.  $0\text{ V}$  → Broken harness wire

**B** Measure conductivity between connector pin #5 and ground.  $1\ 2\ \Omega$  → Broken harness wire  
 $\infty$  → Broken harness wire

**C** While operating the passenger window switch, measure conductivity at the connector.  $0\ \Omega$  → Defective passenger window switch.  
 $\infty$  → Defective passenger window switch.

Reconnect passenger window switch to the harness.

Disconnect the passenger power window motor harness connector.

**D** While operating the passenger window switch, measure the voltage at the harness connector.  
 • Up position : at connector Pin #2 and ground  $12\text{ V}$  → Defective passenger window motor.  
 • Down position : at connector Pin #1 and ground  $0\text{ V}$  → Break in harness between passenger window switch and motor.

### Diagnostic Chart 4 Passenger window does not work from driver's main switch

Turn key switch to ON position.

Disconnect the driver main switch from the harness.

**A** Measure voltage at harness connector pin #5 and ground.

0 V → Broken harness wire

**B** Operate the passenger window switch and measure conductivity at main switch pin #5 and #6.

∞ → Defective power window main switch.

0 Ω  
Reconnect the driver main switch connector and disconnect the passenger switch.

**C** Do not operate passenger window switch (position neutral), measure conductivity between pin #1 and #2, Pin #3 and #5.

∞ → Defective passenger window switch.

0 Ω  
Test complete

