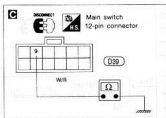
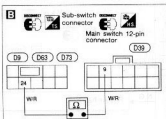
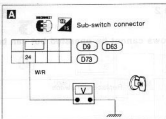


Diagnostic Procedure 3

SYMPTOM:

Passenger power windows cannot be operated by either the passenger's switches or main switch.



CHECK POWER WINDOW LOCK SIGNAL CIRCUIT.

- 1) Disconnect connectors from sub-switches.
- 2) Check battery voltage between terminal 24 for each connector and ground while ignition switch is "ON".

Terminals	Power window lock switch	Battery voltage exists
24 - Ground	ON	No
	OFF	Yes

O.K. → Replace sub-switch.

N.G. →

- 1) Disconnect 12-pin connector from main switch.
- 2) Check continuity between terminal 24 for each connector and 9 for main switch connector.

Terminals	Continuity
24 - 9	Yes

N.G. → Repair harness.

O.K. →

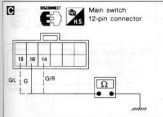
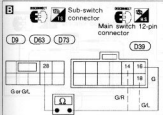
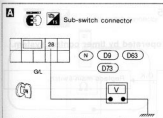
Does continuity exist?

Terminals
9 - Ground

Yes → Repair harness. There will be incorrect grounding.

No →

Replace main switch.



Diagnostic Procedure 4

SYMPTOM:

Passenger power windows cannot be operated by main switch but can be operated by passenger's switches.

A

CHECK DATA LINE SIGNAL CIRCUIT.

- 1) Disconnect connectors from all switches except main switch.
- 2) Check voltage while power window lock switch is "OFF".

Terminals	Main switch operation	Voltage
28 - Ground	Up	Above 12V
	Down	Approx. 4V
	No operation	Approx. 0V

O.K.

Replace Main switch.

B

N.G.

- 1) Disconnect 12-pin connector from main switch.
- 2) Check continuity.

N.G.

Repair harness.

	Terminals
Passenger	16 - 28
Rear left	18 - 28
Rear right	14 - 28

Continuity should exist.

O.K.

Does continuity exist?

Yes

Repair harness.
There will be incorrect grounding.

	Terminals
Passenger	16 - Ground
Rear left	18 - Ground
Rear right	14 - Ground

No

Replace main switch.

DISCONNECT



Main switch 6-pin connector



Main Power Supply and Ground Circuit Check

PROCEDURE 1

Main power supply

Terminals	Battery voltage exists
(3) – Ground	Yes

Ground circuit

Terminals	Continuity
(5) – Ground	Yes

DISCONNECT



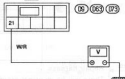
Main switch 6-pin connector



DISCONNECT



Sub-switch connectors



PROCEDURE 2

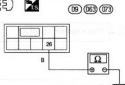
Power supply for sub-switch (passenger)

Terminals	Battery voltage exists
(21) – Ground	Yes

DISCONNECT



Sub-switch connectors



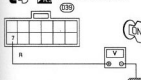
Ground circuit for sub-switch (passenger)

Terminals	Continuity
(20) – Ground	Yes

DISCONNECT



Main switch 12-pin connector



PROCEDURE 3

Power supply for ignition signal

Terminals	Ignition switch	Battery voltage exists
(7) – Ground	ON	Yes