

POWER WINDOWS

1990 Nissan 240SX

1990 ACCESSORIES/SAFETY EQUIPMENT
Nissan Power Windows

240SX

DESCRIPTION

Power windows use a motor mounted on window regulator to raise and lower the side glass. Each motor includes an internal circuit breaker. An in-line circuit breaker protects all power window circuits. Each door switch includes an amplifier.

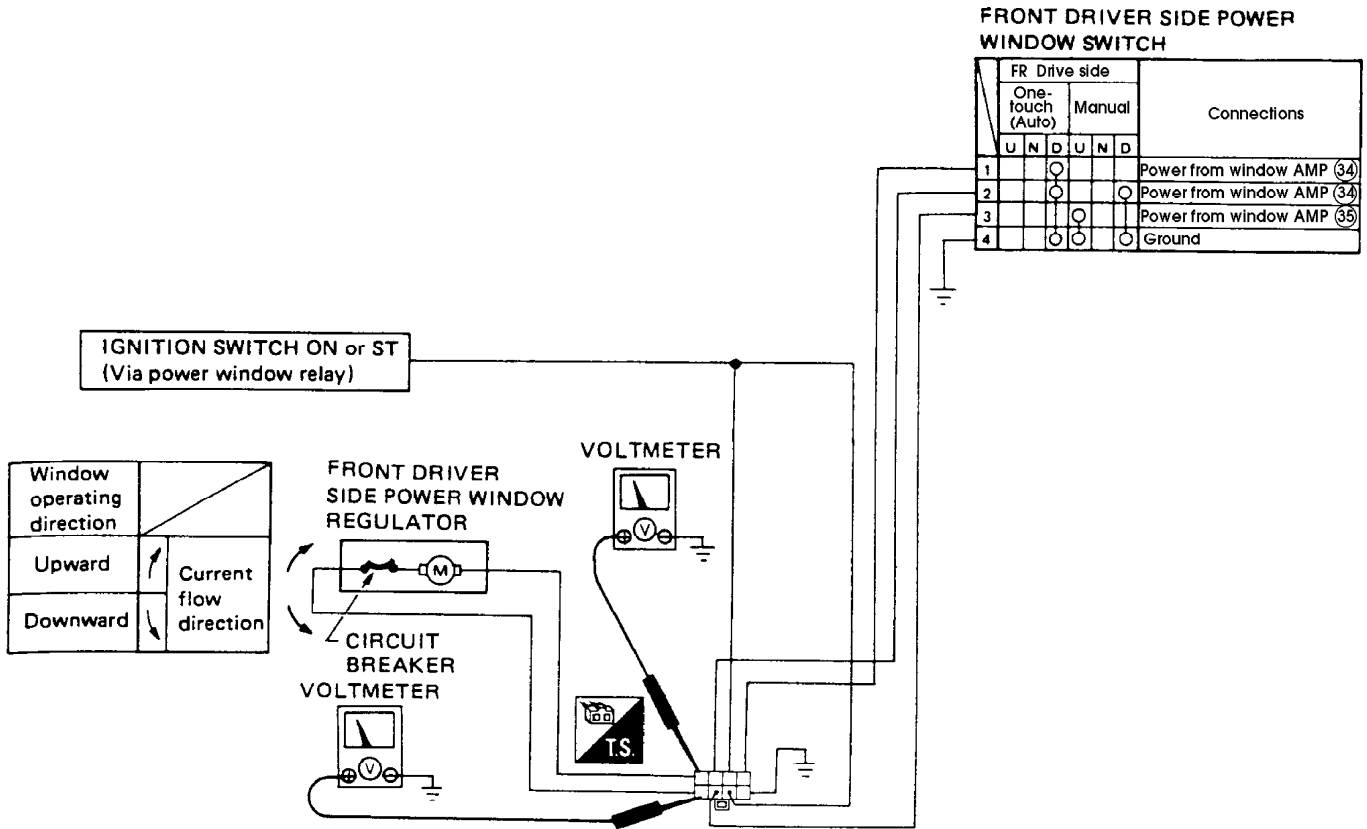
OPERATION

Pushing door switch will raise or lower side glass. When other side of switch is pushed, current to motor is reversed and motor changes direction. Driver's door switch can operate any window.

TESTING

AMPLIFIER (DRIVER'S WINDOW SWITCH)

Check power source and ground continuity as indicated in test charts. Check input and output signals. See Fig. 1. Replace driver's window switch/amplifier as necessary.



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AMP. OPERATION

Connections	Operations					
	Manual operation			One-touch (Auto) Operation		
	Ground	Ground	Ground	Ground	Ground	Ground
51 Power source (IGN)	12V	12V	12V	12V	12V	12V
52 Ground	ON or ST	ON or ST	ON or ST	ON or ST	ON or ST	ON or ST
53 From ignition SW (ON or ST)	OFF	OFF	OFF	OFF	ON	OFF
54 To FR driver side power window SW (AUTO) 1	OFF	ON	OFF	OFF	OFF	OFF
55 To FR driver side power window SW (UP) 3	OFF	OFF	ON	OFF	ON	OFF
56 To FR driver side power window SW (DOWN) 2	Approx. 0V	Approx. over 9V	Approx. 0V	Approx. 0V	Approx. over 9V	Approx. over 9V
57 FR driver side regulator (Upward power source)	Approx. 0V	Approx. 0V	Approx. over 9V	Approx. 0V	Approx. over 9V	Approx. over 9V
58 FR driver side regulator (Downward power source)	Stop	Upward operation	Downward operation	Stop	Starting	Keeping operation until fully open, then stops automatically.
Regulator Operating Condition					Downward operation	

Carry out this operation check in this chart from left to right continuously.

POWER WINDOW AMP. — Front driver side door (Behind door trim)

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Fig. 1: Testing Driver's Window Switch Amplifier
Courtesy of Nissan Motor Co., U.S.A.

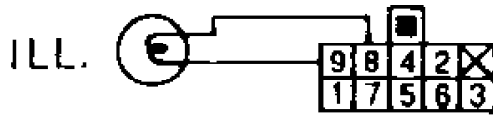
MOTOR TEST

Apply battery voltage between wire terminals of motor connector. Window should move up or down. Reverse battery leads and check for window moving in other direction. If window moves up and down, motor is okay. If window does not move as described, replace

window motor.

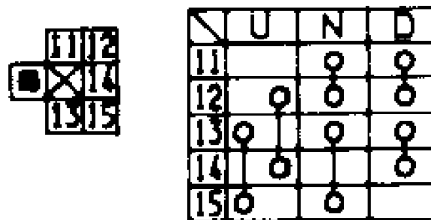
SWITCH TEST

Remove connector from switch. Test continuity of switch. See Fig. 2.



	DRIVER SIDE						LOCK SWITCH		PASSENGER SIDE		
	ONE-TOUCH			MANUAL			ON	OFF	U	N	D
	U	N	D	U	N	D					
1			○								
2			○			○					
3			○	○		○					
4			○	○		○		○			
5									○	○	○
6									○	○	○
7									○	○	○

POWER WINDOW SWITCH (DRIVER'S DOOR)



POWER WINDOW SWITCH (PASSENGER'S DOOR)

93B83205

Fig. 2: Testing Door Switches
Courtesy of Nissan Motor Co., U.S.A.

WIRING DIAGRAMS

Proceed to chassis WIRING DIAGRAMS article in WIRING DIAGRAMS section.