

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.

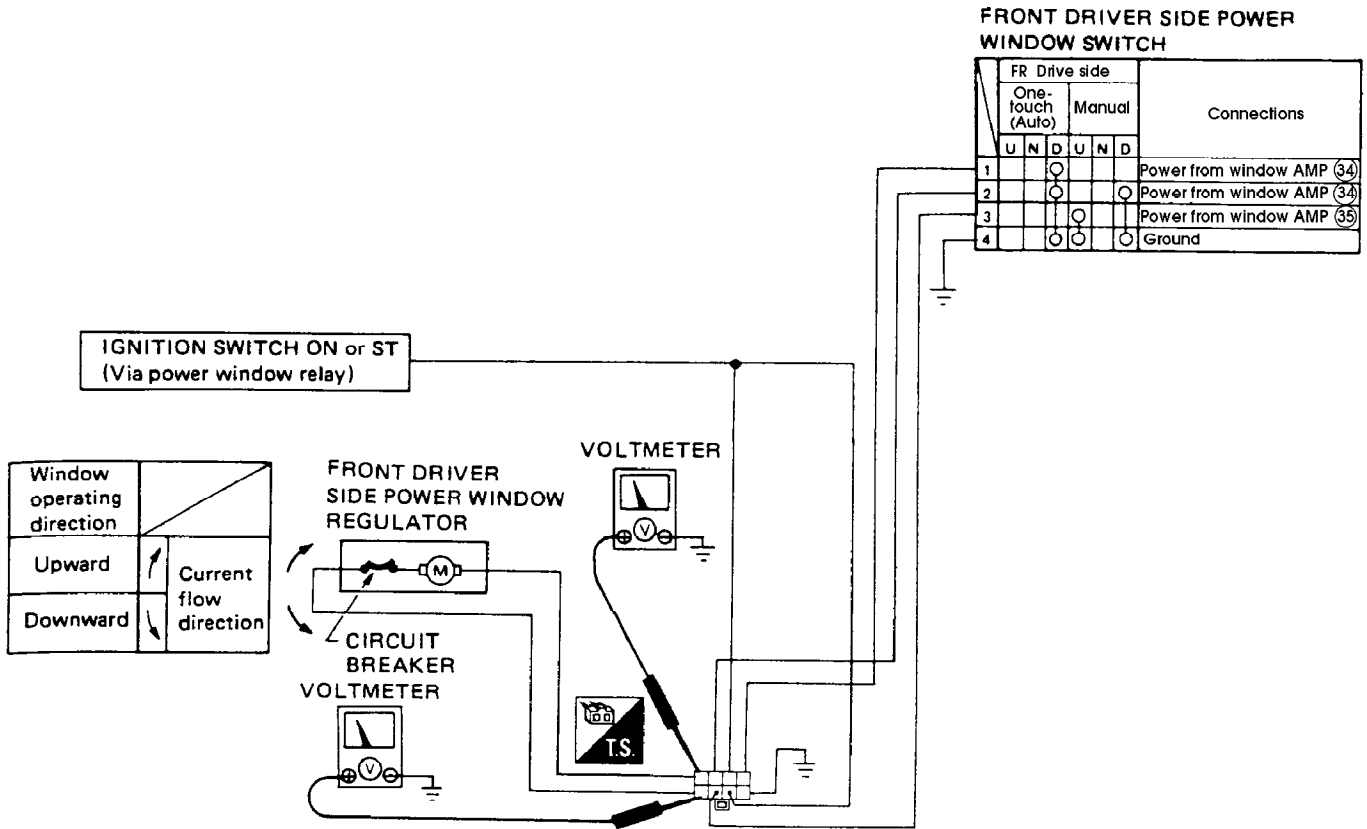
OPERATION

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.



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

50E12306

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

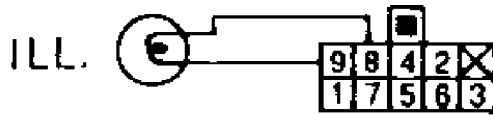
MOTOR TEST

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.

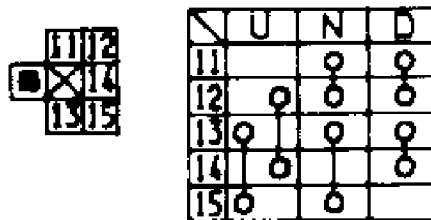
SWITCH TEST

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.