Power Window Operation

Left Window Motor Operation:

**Power Circuit**

Negative battery voltage originates from the battery terminal of the starter relay, goes through the 20 amp circuit breaker, through the red wire with a blue tracer, to the B terminal of the relay. When the relay is closed, this voltage comes out of the A terminal of the relay, through the green wire to the motor armature, and out through the black wire through the 20 amp circuit breaker to positive ground.

**Control Circuit**

Negative battery voltage originates from the A terminal of the ignition switch, goes through the 30 amp circuit breaker, through the black wire with the white tracer, to the left front master switch.

**Upward**

- When the window switch is in the up position, the negative voltage goes out through the red wire to the top of the relay coil F, through the coil and out through the yellow wire, through the right side window motor field coil, out through the black wire, through the 20 amp circuit breaker to positive ground. This closes the B to A terminals inside the relay completing the power circuit.

- At the same time the negative voltage at the top of relay coil F, continues through the red wire, through the left side window motor field coil, out through the black wire, through the 20 amp circuit breaker to positive ground.

Since negative voltage is at the top of the left window motor field coil, and positive voltage is at the top of the right window motor field coil, the window motor runs upward.

**Downward**

- When the window switch is in the down position, the negative voltage goes out through the yellow wire to the bottom of the relay coil F, through the coil and out through the red wire, through the left side window motor field coil, out through the black wire, through the 20 amp circuit breaker to positive ground. This closes the B to A terminals inside the relay completing the power circuit.

- At the same time the negative voltage at the bottom of relay coil F, continues through the yellow wire, through the right side window motor field coil, out through the black wire, through the 20 amp circuit breaker to positive ground.

Since negative voltage is at the top of the right window motor field coil, and positive voltage is at the top of the left window motor field coil, the window motor runs downward.