



ARC PERFORMANCE ELECTRIC WINDOW CRANK SWITCH.

The ARCEWS electronic window crank switch from ARC Performance is quite versatile and designed for broad compatibility with many vehicles. The thin design is beneficial for installation flexibility, especially in confined spaces.

Instructions.

1. Remove your door panel to gain access to your metal door skin.
2. Your switch may be mounted at any angle or position. Make sure when you mount the unit you have adequate clearance from all moving parts.
3. Once a suitable location is found drill 3 holes to match the mounting holes in the ARCEWS switch.
4. Place the switch behind the door metal and secure with three screws through the holes drilled in step 3.
5. Wire the switch as per attached diagram that is applicable to your window kit.
6. Reinstall door panel and all associated hardware.

Notes. For some early vehicle models, you might need to modify the switch to ensure it fits correctly. Specifically, shortening the shaft and drilling a small retaining pin hole may be required to match the existing window crank setup.

If you have a square shaft unit, it may be necessary to shorten the length of the shaft. To do this simply:

1. Measure the shaft where the crank fits properly, and mark.
2. Remove the switch from the door and cut to the marked length
3. Insert the crank onto the shaft and mark the position of the retaining hole
4. Remove the crank and drill the retaining hole where marked

In some cases, you will need to file down the edges of the shaft for proper fitment.

Wiring Polarity.

ARC Power Window kits should be wired following diagram 1 below.

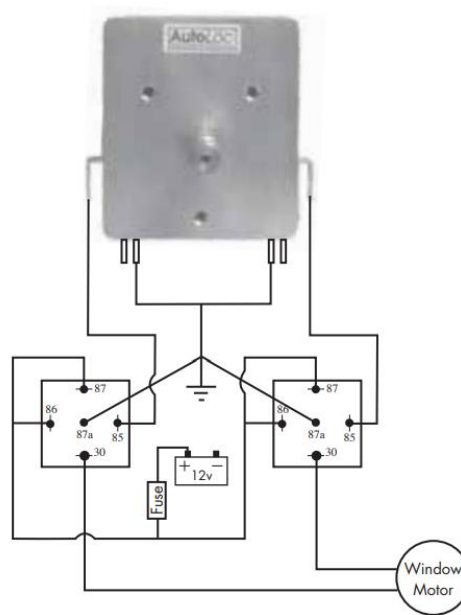
Other power window systems are wired up in one of two ways: Reverse Polarity or Direct Polarity.

Reverse Polarity: In most cases reverse polarity systems will have two wires on the motor that activate the window up when one wire gets 12 volts and the other gets grounded, and window down when this polarity is reversed. Typically, the window switch will have 5 to 6 wires. If you have reverse polarity window motors, follow wiring diagram 2. If draw is greater than 10 amp, follow diagram 1.

Direct Polarity: In a direct polarity window system, the motor is grounded to the car, and will also have 2 wires going to the motor. The window will raise when 12 volts is applied to one of these 2 wires, and down when 12 volts are applied to the other. Typically, the window switch will have 3 wires. If you have direct polarity window motors, follow wiring diagram 3. If draw is greater than 10 amp, relays may be required.

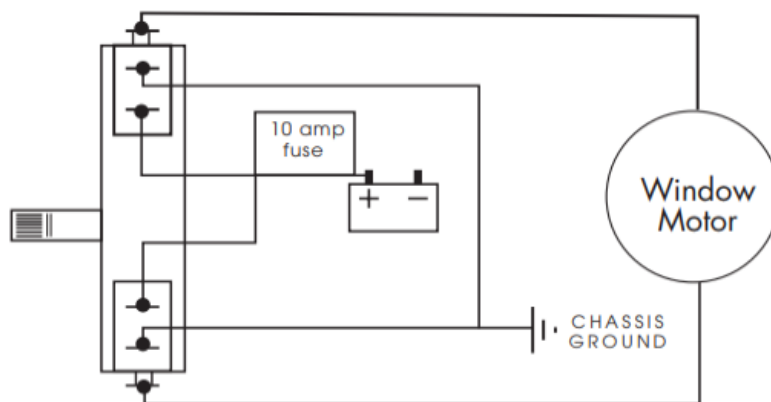
Wiring Diagram 1

FOR WINDOWS WITH A DRAW OVER 10 AMPS



Wiring Diagram 2:

SINGLE WINDOW OPERATION REVERSE POLARITY



Wiring Diagram3:

SINGLE WINDOW OPERATION DIRECT POLARITY

