

Power Window Relay Kit

This kit uses eight 40-amp relays to allow you to connect up to 4 power window motors in your vehicle. American Autowire makes wiring easy, and this kit is no exception. We have made this kit easy to hook up and manufactured it to our high-quality standards with many features that make it stand out from our competitor's products.

Here are some key features about this product that separate it from other relay panel kits:

- The relay and wire colors are coordinated for easy identification, connection, and troubleshooting.
- Long 120" wire leads for each connection provide flexibility to mount the panel in various locations.
- The relay control inputs are reversible to allow either a power or ground trigger control of the relays.
- The relay panel contains a 6 gauge solid copper bus bar providing the power your window motors need.
- GXL polyethylene cross link wire with superior heat and abrasion resistance.
- Strong G10 composite base plate provides superior heat and electrical insulation.
- Five-star American Autowire Sales and Technical support available at 1-800-482-9473, Monday-Friday 8-5 Eastern.

Parts legend:

The terminals listed below can be found in the loose piece kit bag. These parts have been included to assist you during the installation of this kit and will be referenced by their corresponding letter on the pages that follow.

A		Butt splice, 18-22 ga, 20 pcs	E		Terminal, Ring, 10 ga, non-insulated, 5/16", 3 pcs
B		Butt splice, 14-16 ga, 20 pcs	F		Terminal, Ring, 10-12 ga, M5, 2 pcs
C		Terminal, Female, .25, 14-16 ga, 20 pcs	G		Terminal, Ring, 10-12 ga, M10, 2 pcs
D		Terminal, Ring, M10, 14-16 ga, 20 pcs	H		Sleeve, Rubber, 4 pcs



Installation Instructions:

1. Find a suitable location inside the vehicle to mount the relay panel. Secure the panel by passing screws/bolts (not included) through the 2 open holes in the panel base. Be sure to mount the panel in a location where it is out of the way and won't be kicked/disturbed, but can also be easily accessed if it needs service at a later time.
2. Locate the MEGA Fuse Block & Cover Assembly (See below) and mount it in a suitable location under the hood of the vehicle, as close to the battery source as possible. This source can be either the positive battery post, the BAT(+) stud on the starter, or any other battery junction installed under the hood. When mounting the MEGA Fuse Block, keep in mind that you will have 12 feet of the RED 10 gauge feed wire to connect between the battery source, the MEGA Fuse, and the Power Window Relay Panel.
3. Remove the nuts and lock washers from the MEGA Fuse Block studs and snap the included MEGA Fuse (See below) onto the studs. Set the removed nuts and lock washers aside. They will be re-installed later.
4. Locate the RED 10 gauge feed wire, slide a Rubber Sleeve (Item "H" - Page 1) on one end of the wire, and crimp a Ring Terminal, 10-12 ga, M5 (Item "F" - Page 1) on the same end. Slide the rubber sleeve over the crimped area of the terminal and attach to the "Battery In" stud on the relay panel using the included nut and washer on the stud.
5. Route the other end of the RED 10 gauge feed wire to one of the studs on the previously mounted MEGA Fuse block and cut to length.
6. Slide a Rubber Sleeve (Item "H" - Page 1) over the newly cut end, crimp a Ring Terminal, 10 ga, Non-insulated, 5/16" (Item "E" - Page 1), and slide the rubber sleeve over the crimped area of the terminal. Repeat this process with one of the ends on the now loose length of the RED 10 ga feed wire.
7. Secure both newly terminated ends to their respective studs on the MEGA Fuse Block, and secure with the nuts and lock washers removed in Step 3, and install the MEGA Fuse Cover.
8. Route the loose end of the RED 10 ga feed wire to the battery source, and cut to length. AAW has included an extra Rubber Sleeve (Item "H" - Page 1), and the Ring Terminal, 10-12 ga, M10 (Item "G" - Page 1) for attaching to the BAT (+) stud on a GM or Ford style starter solenoid.
9. Locate the BLACK 10 gauge ground wire and secure the pre-terminated ring terminal end to the "Ground In" stud on the panel. Route the other end to a good ground point, cut to length, crimp a Ring Terminal, 10-12 ga, M5 (Item "F" - Page 1) on the newly cut end, and secure to the ground point.

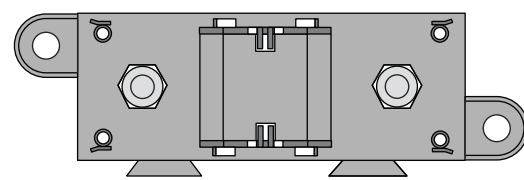
Determine the polarity of the input switches:

This kit is designed to work with switches that control either a 12V (+), or Ground/12V (-) signal.

Positive/12V(+) signal: The factory default for this kit is to accept a 12V(+) signal from the switches. If the switches in the vehicle are equipped this way, no changes are needed.

Follow the instructions on Page 3 for further connections, and check Page's 5 & 6 for alternate uses, as well.

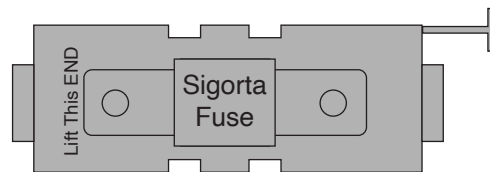
Ground/12V(-) signal: Remove the factory installed ground jumper and replace it with Jumper "A" (See below) as shown on Page 4. Route the BLACK w/ PINK trace wire to a switched accessory source protected by a fuse. Follow the instructions on Page 4 for further connections, and check Pages 5 & 6 for alternate uses as well.



Mega Fuse Block & Cover Assembly, 1 pc



Jumper "A", 1 pc



Mega Fuse, 175 amp, 1 pc



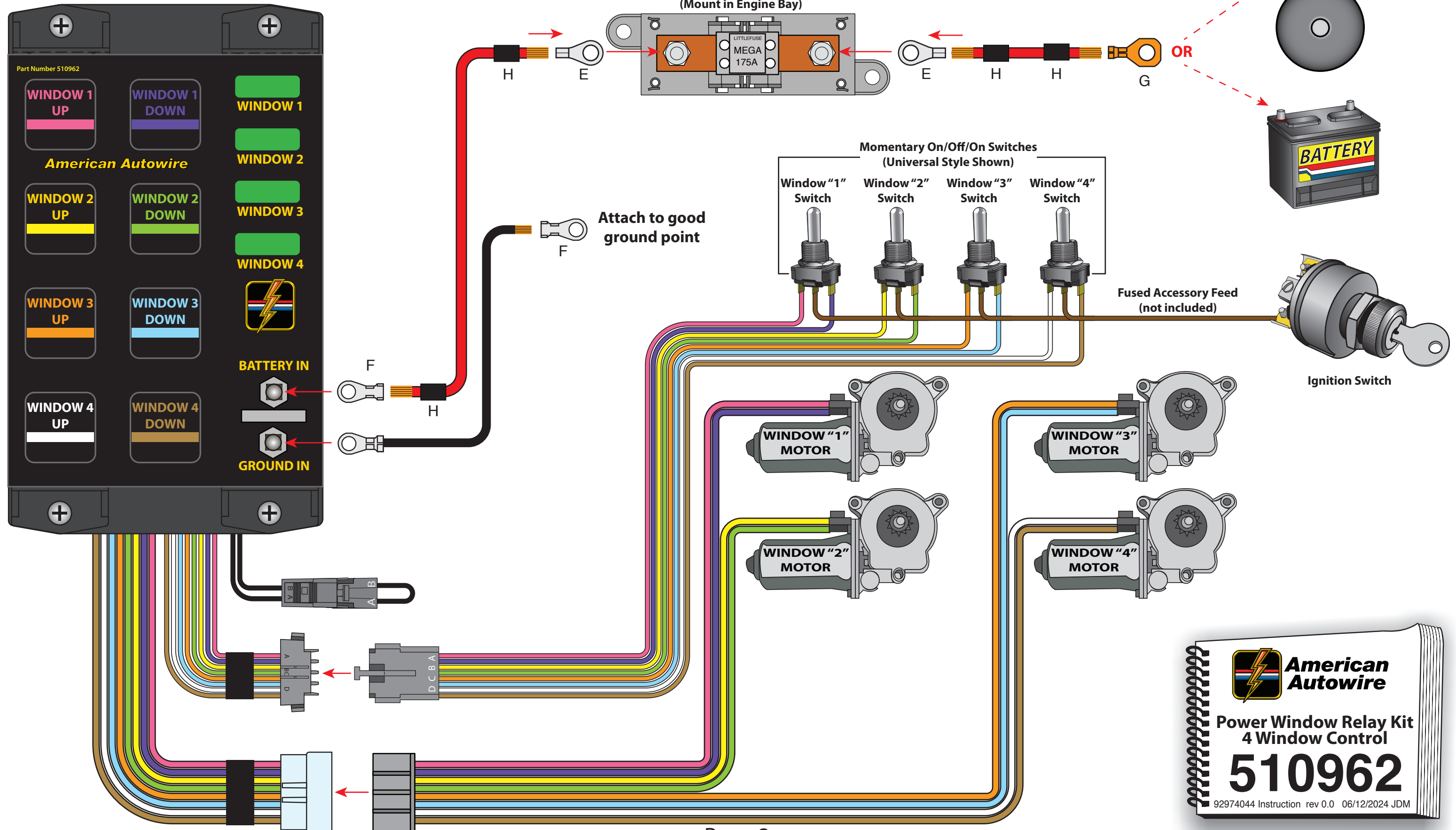
10 Gauge Feed Wire, RED



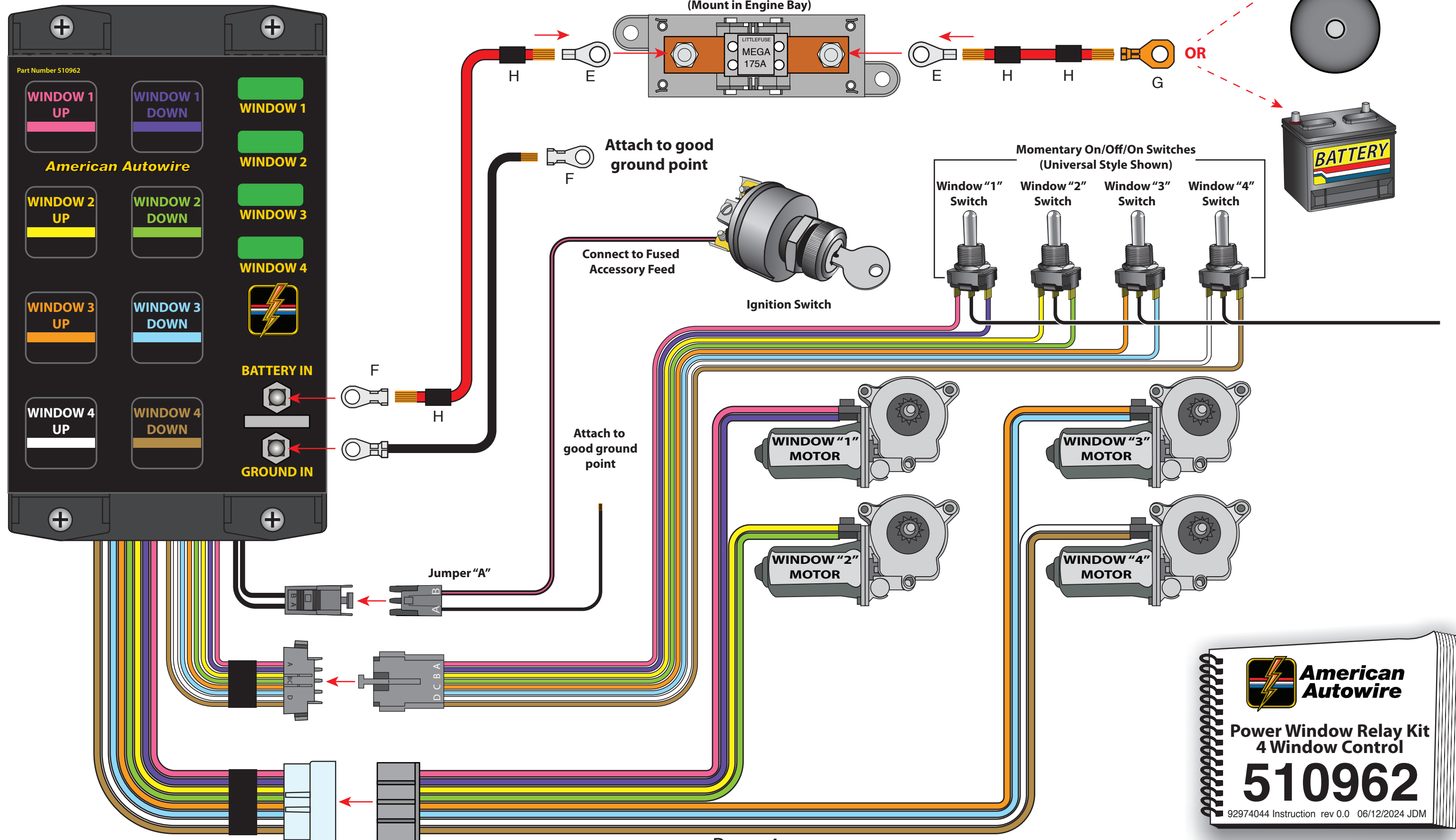
10 Gauge Ground Wire, BLACK



Typical Switched Power Instructions



Typical Switched Ground Instructions

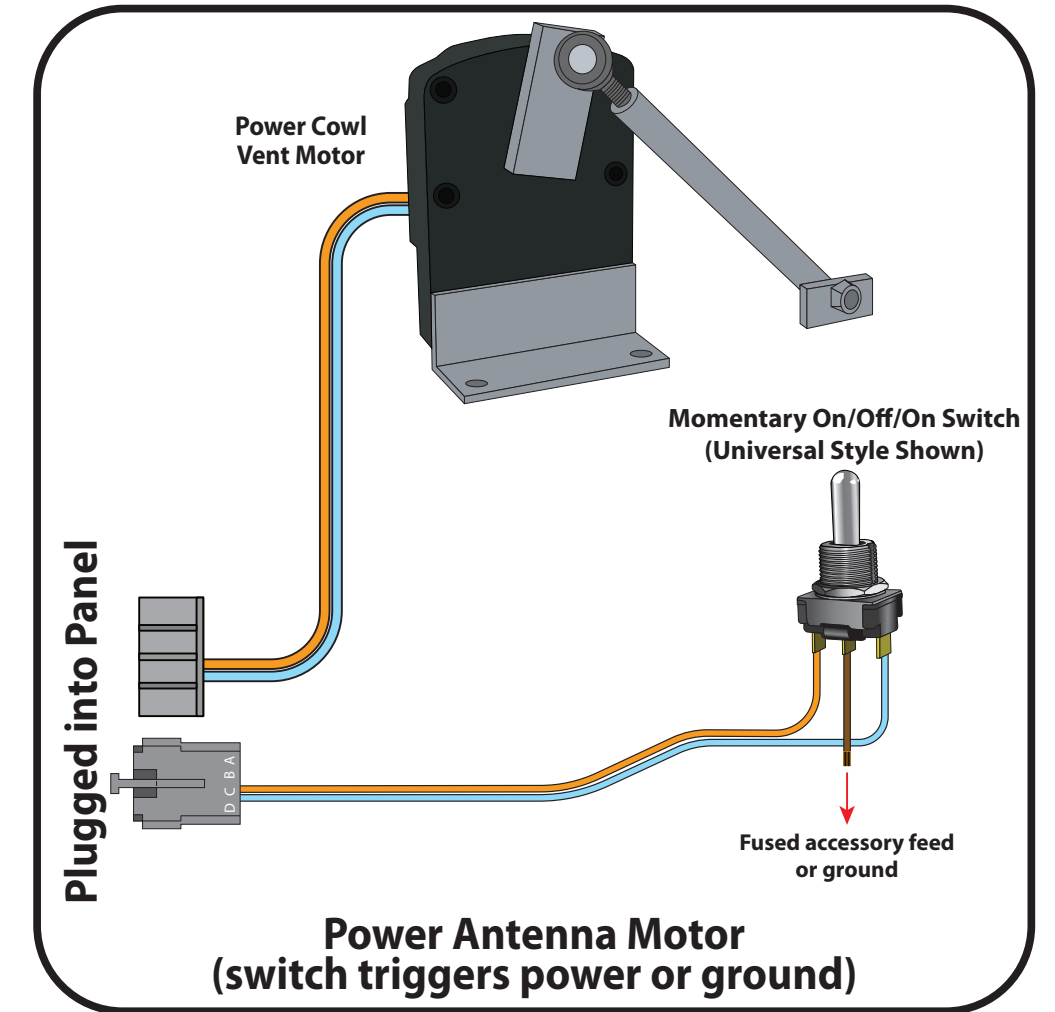
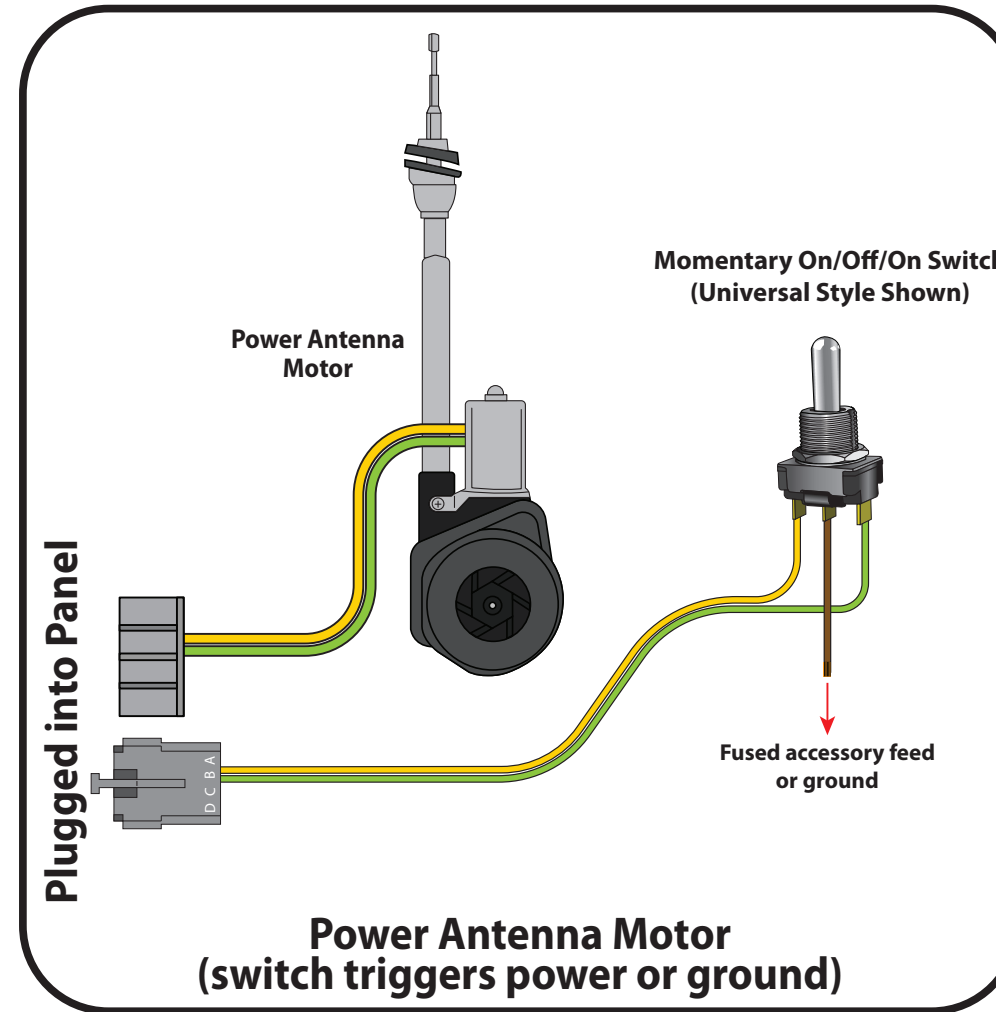
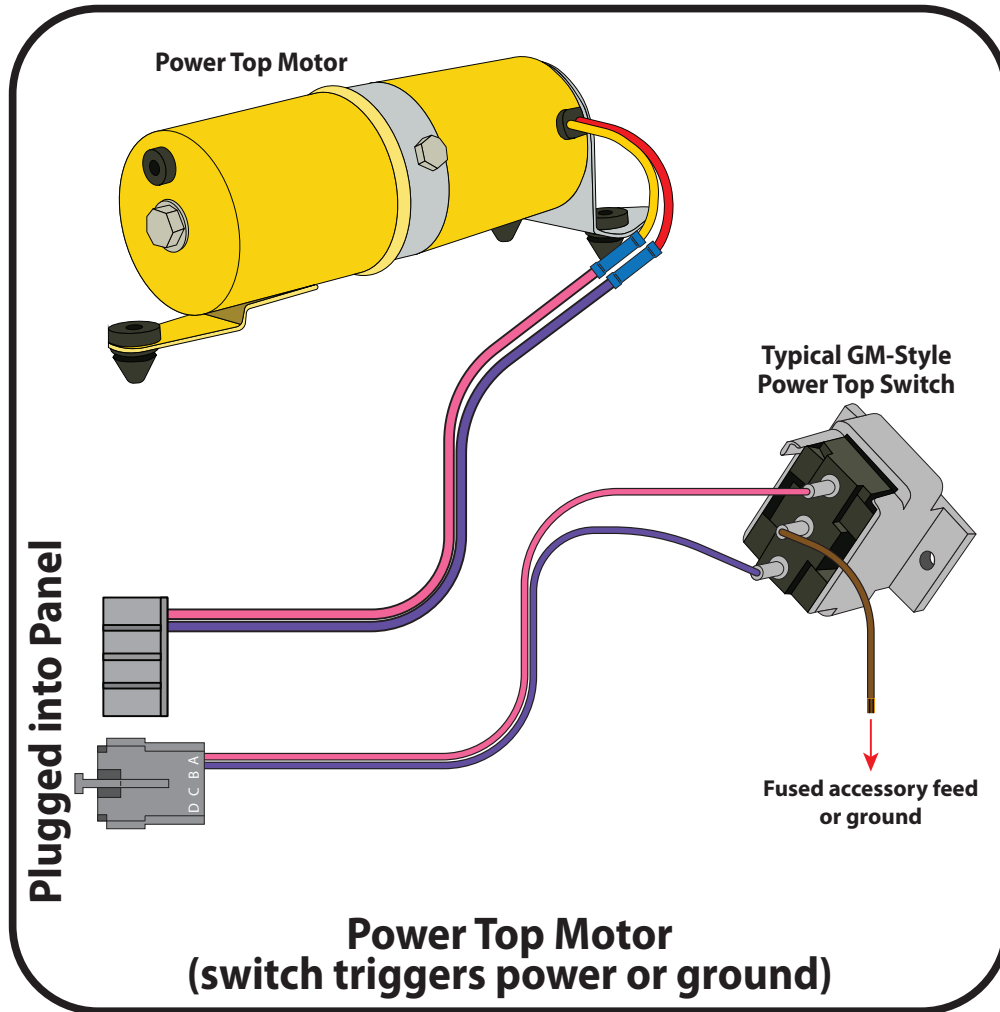


**Power Window Relay Kit
 4 Window Control**

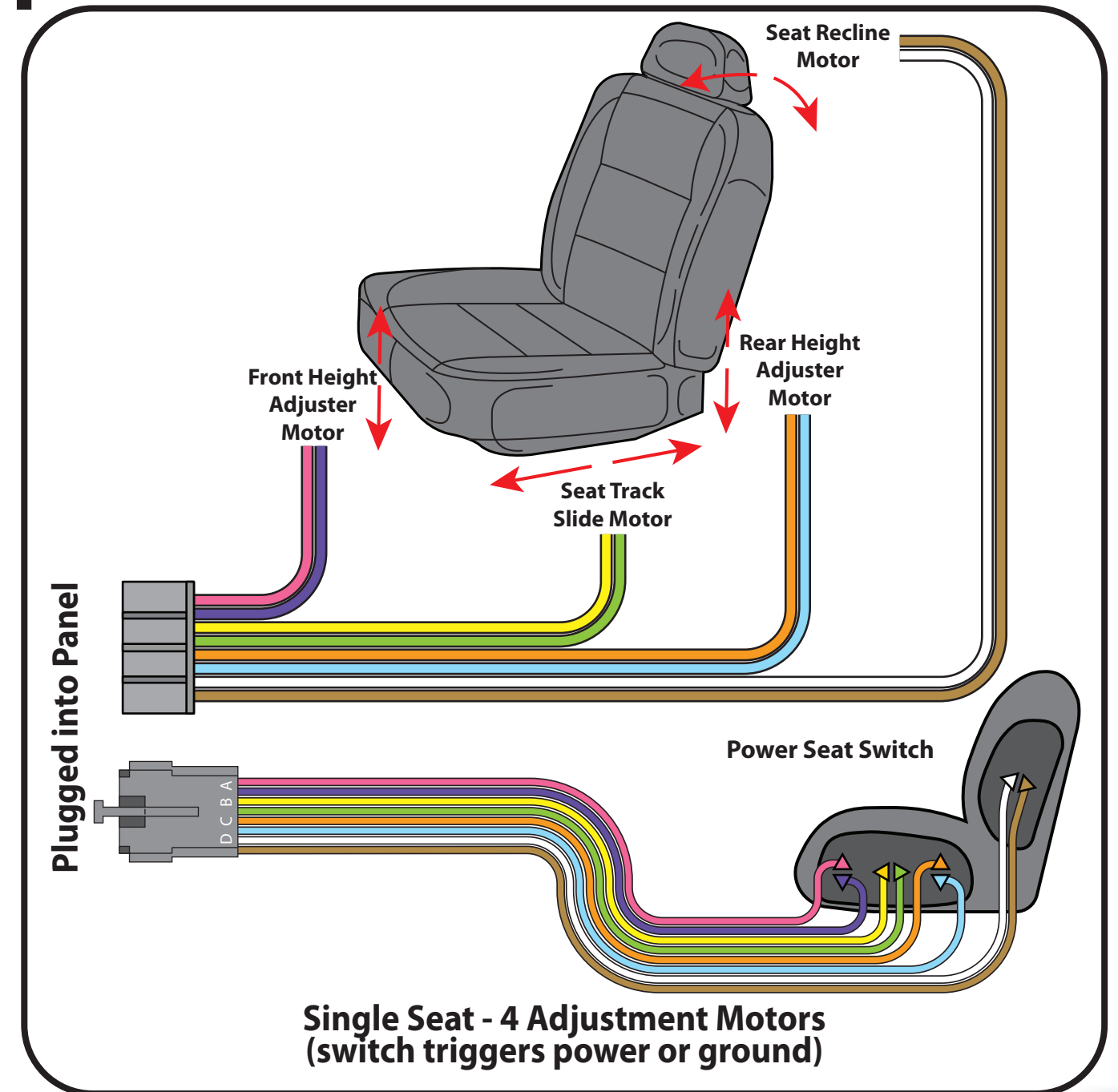
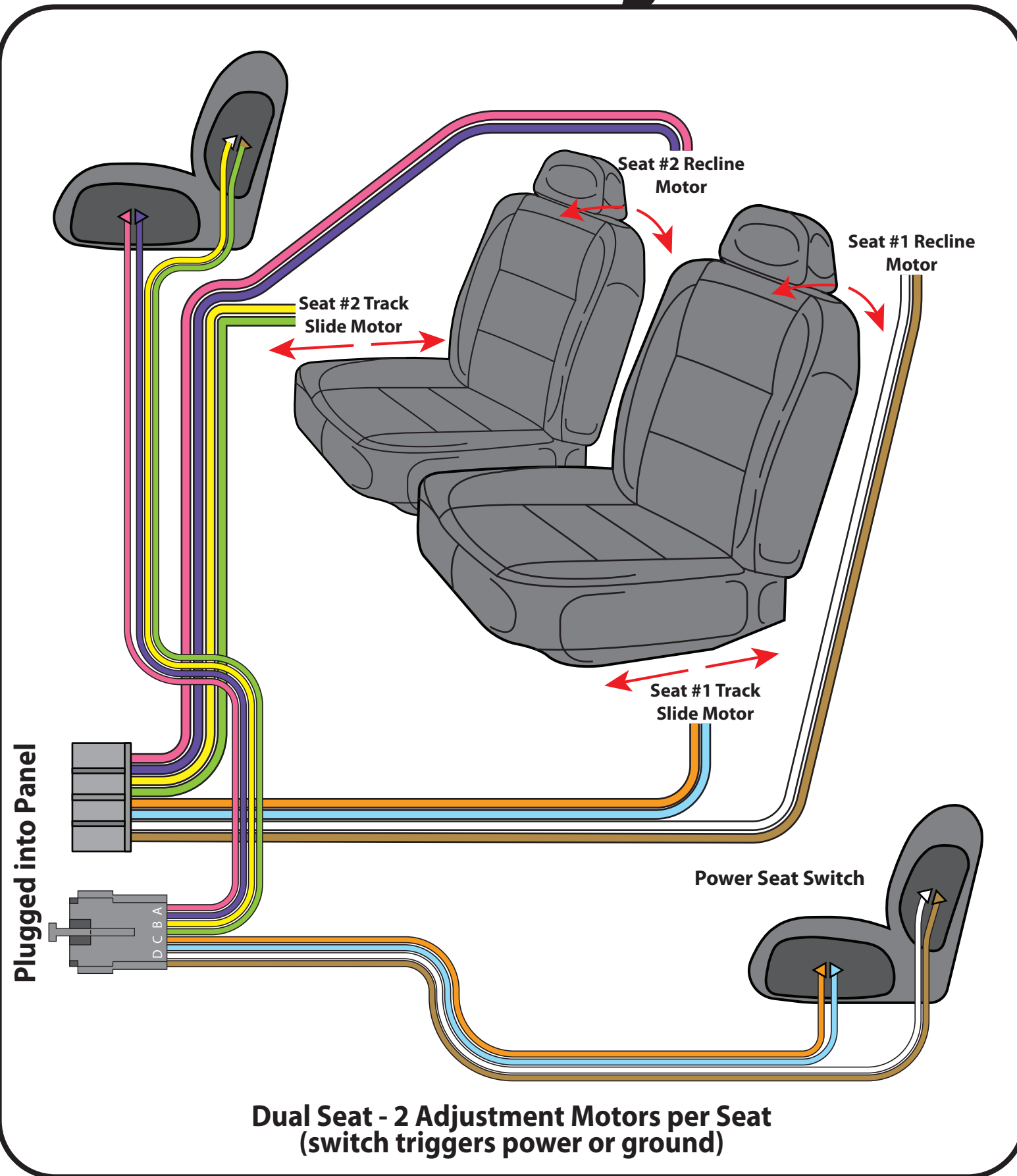
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Examples of other uses for this kit:



Using this kit for power seats:



Power Seat Switch Note:

The switches shown on this page are a generic representation of switches currently on the market. The installer will need to check the switch manufacturer's documentation to determine whether the switch outputs power or ground for the relay inputs, and connect to the panel accordingly.



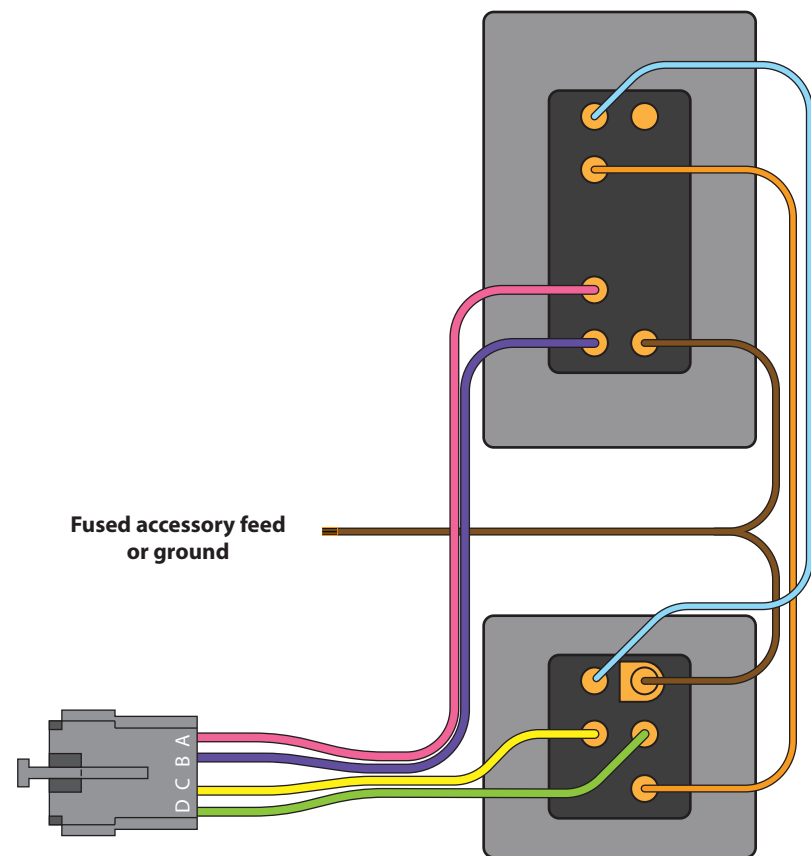
**Power Window Relay Kit
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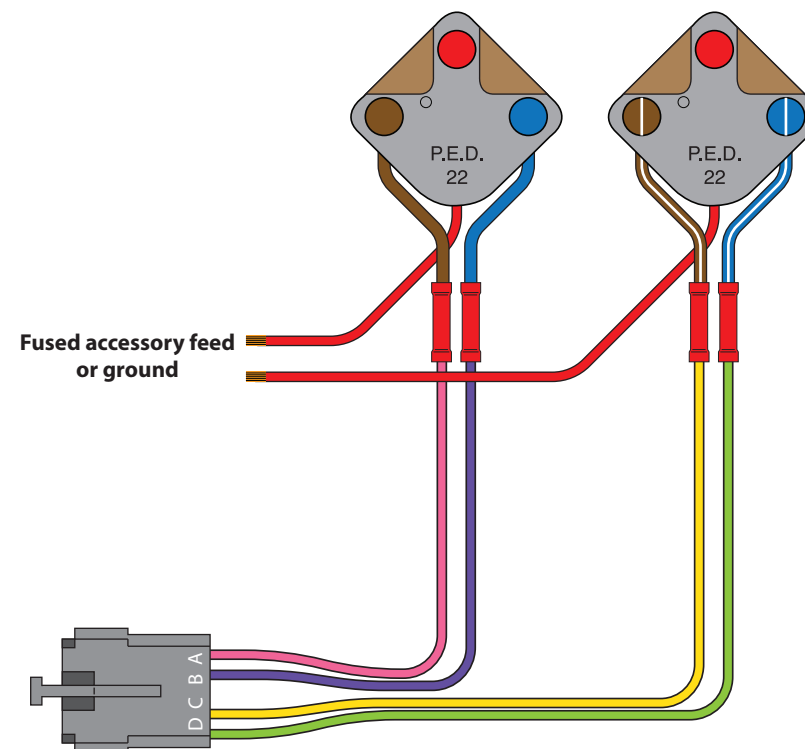
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Generic Power Window Switch Connections:

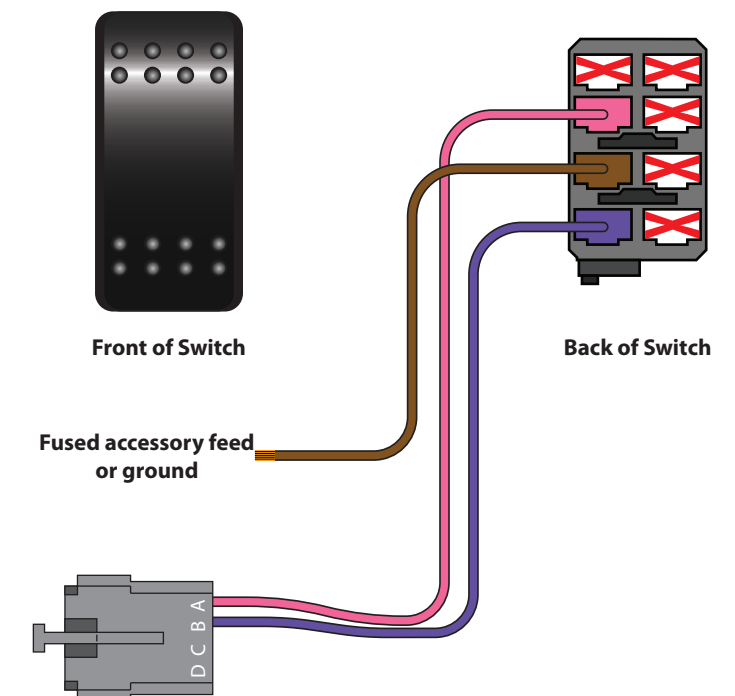
Typical Dorman Replacement Switch Connections



Typical GM Power Window Switch Connections



Typical Sealed Rocker Switch Connections (Mom On - Off - Mom On)



Power Window Relay Kit
4 Window Control

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