
Pantera Electronics Rocker Switch Installation Manual

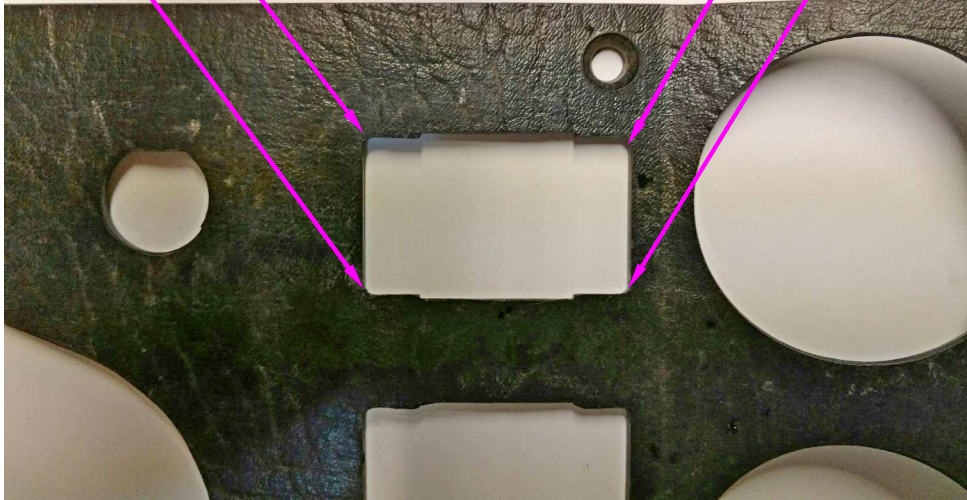
General Installation for all types of Rocker Switches

Disconnect the Battery by removing the negative (-) or ground cable from the battery terminal.

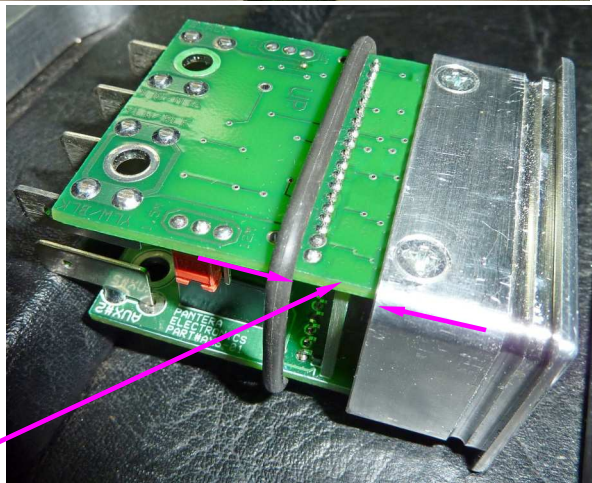
1. Unscrew the 3 thumb screws that retain the console gauge plate.
2. Disconnect the wires from the back of the factory switch and push the switch out of the panel, this may require rocking the switch in the hole.
3. Make sure the hole is free from the black surface material, it cannot be inside the hole or the PE switch will not fit.
4. There are several different hole configurations of the openings in the console plates.
(1971 / 72) console plate may require the corners to be modified by filing the corner to remove the alignment corners. This can be done with a sharp flat file or Dremel tool with a grinding disk for the metal console plates.

The (1973 / 74) plastic console plates can be easily cut with a knife and does not require use of a Dremel tool.
5. Check the fit of the switch in the hole, make sure that it can sit flat and even against the console plate.
6. Slide the O-ring over the back of the switch until it's about 3/8" from the back of the aluminum mounting flange.
7. Insert the PE switch in the hole by tilting the switch to allow the O-ring to fit through the hole. Then slide the O-ring into the groove on the flange. Use a long straight blade screwdriver to push the O-ring.
8. Connect the wires matching the wire colors to the tabs labeled with the wire color.
9. Connect the additional wires for the extra features and lighting. See page 4.
10. Reconnect the battery ground cable.
11. Test the switch functions and check to make sure it illuminates when the lights are "ON".
12. Reassemble the console panel and thumb screws and re-test the switch.

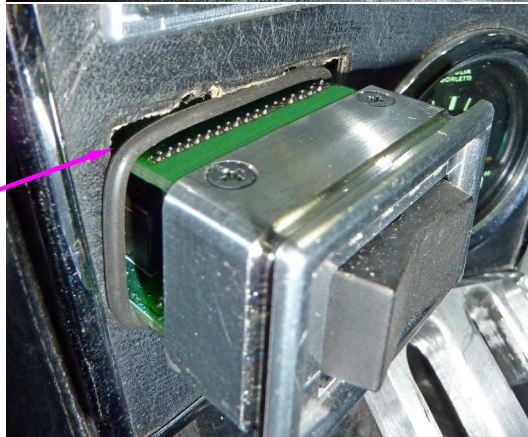
This alignment corner configuration needs to be removed.



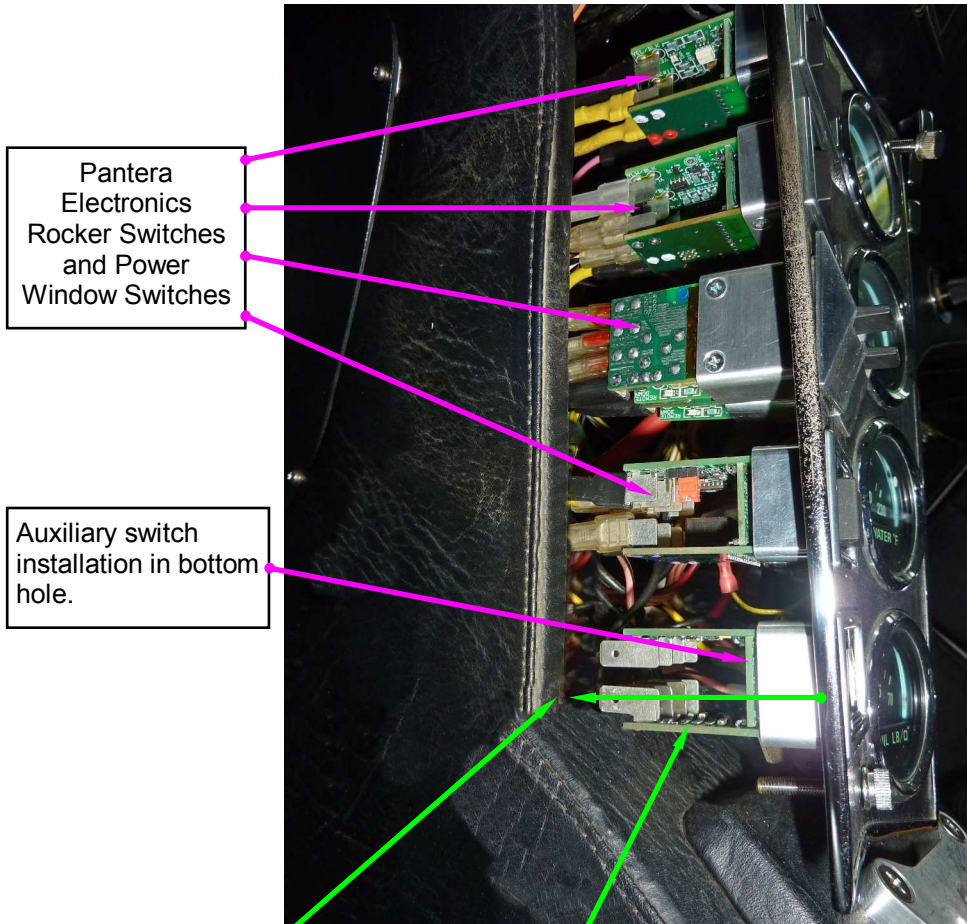
Move the O-ring to this position for installation.
Approximately 3/8" space



Tilt switch up and down directions to pass the O-ring through.



Clearance in bottom switch hole required



The console may need to have some of the fiberglass removed on the internal left hand side at the bottom of the console opening. (SEE GREEN ARROW)

The lower edge of the Auxiliary switch will be tight or in interference with the internal surface of the console. Use a half-round file or a Dremel tool with a sanding drum to remove a section for clearance. Generally a 1/8" to 3/16" deep clearance will be suitable.

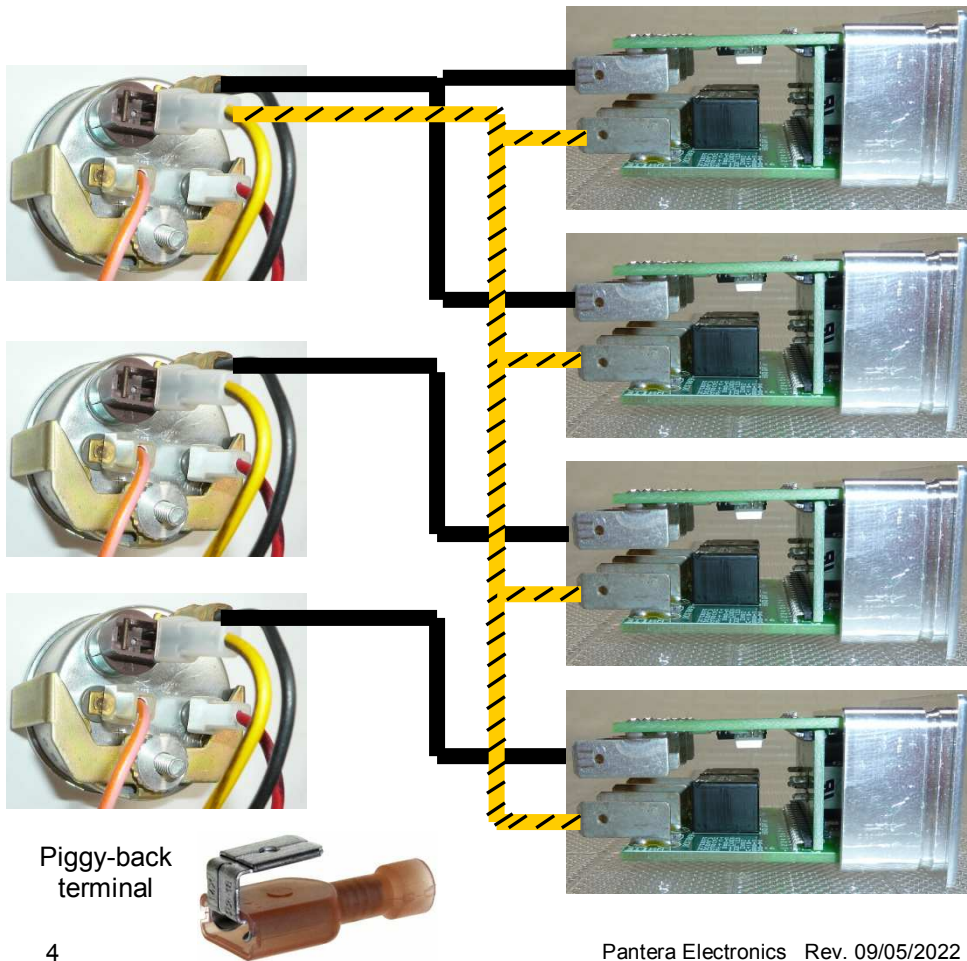
Additional wiring for all types of Rocker Switches

1. Each switch MUST have the BLACK wire connected to chassis ground. This can be accomplished by using a piggy-back terminal and connect to the BLACK wire on each gauge near the rocker switch.

2. If the illumination is desired then each switch needs to have the YELLOW/BLACK wire connected to the YELLOW/BLACK wire on a gauge light. This can be accomplished by using a piggy-back terminal and connect to the YELLOW/BLACK wire on each gauge light near the rocker switch.

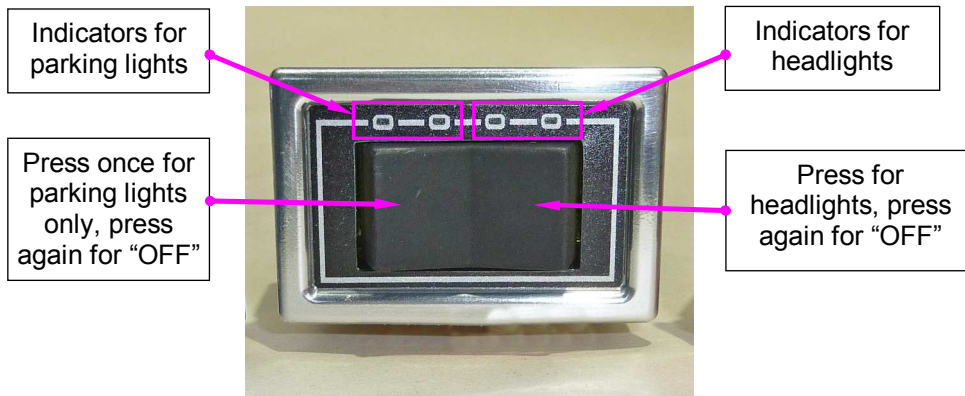
There is additional YELLOW/BLACK terminals on some of the rocker switches that can be inter-connected to each other as long as at least one YELLOW/BLACK connects to a gauge light YELLOW/BLACK wire.

There are also extra BLACK Ground terminals on some switches that can be inter-connected to each other as long as at least one BLACK connects to a gauge BLACK wire.



Headlight Switch Features and Operation

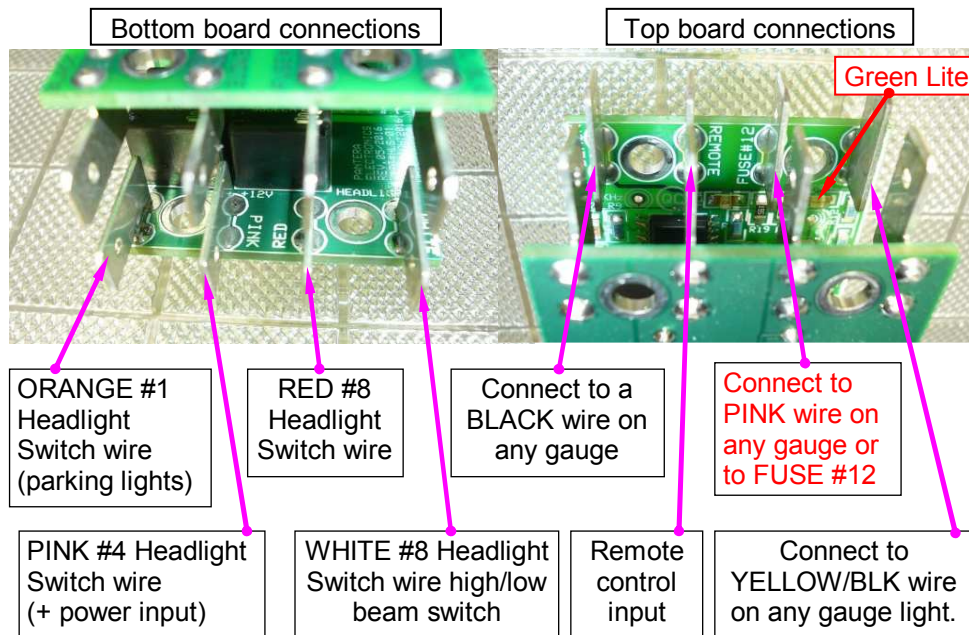
- > Connects to the factory wire harness without changes.
(except for wiring the extra features)
- > Internal lighting for night visibility.
- > Status indicators for parking lights and headlights.
- > 20 second delay for headlights "off" when the leaving the car.
- > Input for remote entry to activate the headlights.
(requires additional wiring per the remote control device)
- > Compatible with Pantera Electronics Headlight/Motor Controller.
- > Removable aluminum bezel can be finished in a variety of styles and colors.



Headlight Switch Connections

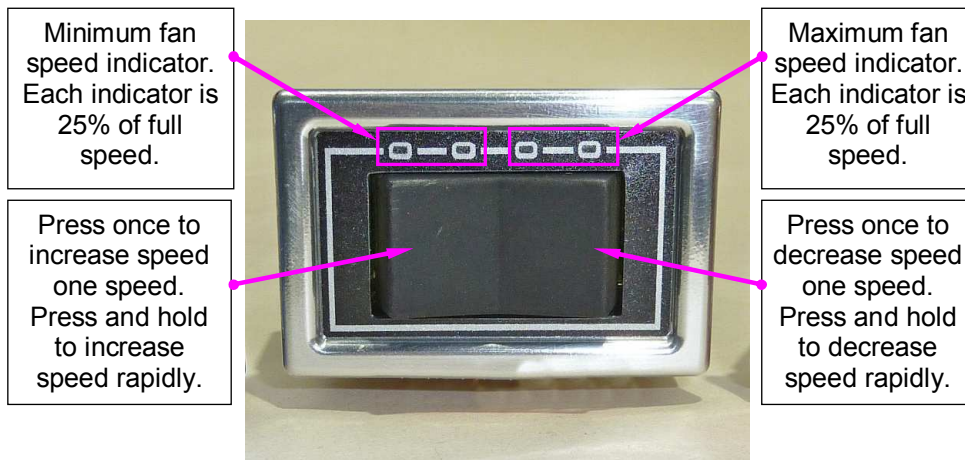
If the headlight switch is left "ON" when the ignition switch is turned "OFF" the headlights will stay "ON" for approximately 20 seconds. This is the extended time for leaving the car to see your way. (the time delay can be random until the ignition is "ON" then "OFF")

1. The factory WHITE and RED wire are usually in one terminal and can be connected to either the RED or WHITE terminal. If the wires are separate then use both terminals.
2. The terminal labeled "FUZE #12" **MUST BE CONNECTED** to any PINK wire on any gauge or fuse #12 to maintain the headlights operational beyond 20 seconds. This activation is indicated by an internal GREEN light.
3. The remote terminal is for control from a key fob controller to turn on the headlights before entering the car typically active during unlocking function. The headlights will stay "ON" as long as the terminal is energized with a +12 volt signal, then after the signal terminates another 20 seconds and the headlights will turn "OFF". This activation is indicated by an internal YELLOW light.
4. **THIS MUST BE CONNECTED** - Add the BLACK wire with female terminals to a factory BLACK wire on a gauge that is in close proximity. Piggy-back terminals are easiest to use for this.
5. Add a YELLOW wire with female terminals to a factory YELLOW/BLACK wire on a gauge light that is in close proximity.



Fan Switch Features and Operation

- > Connects to the factory wire harness without changes.
(except for wiring the extra features)
- > Designed to drive the factory and other fan motors directly.
20 amps maximum.
- > 20 incremental speeds, one speed per rocker press or press and hold rocker for slewing through increments rapidly.
- > Selected fan speed will be retained after car is turn off, and will return to the last speed set when the car is turned on.
- > Status indicators for fan speed in 25% increments.
- > Internal lighting for night visibility.
- > Removable aluminum bezel can be finished in a variety of styles and colors.

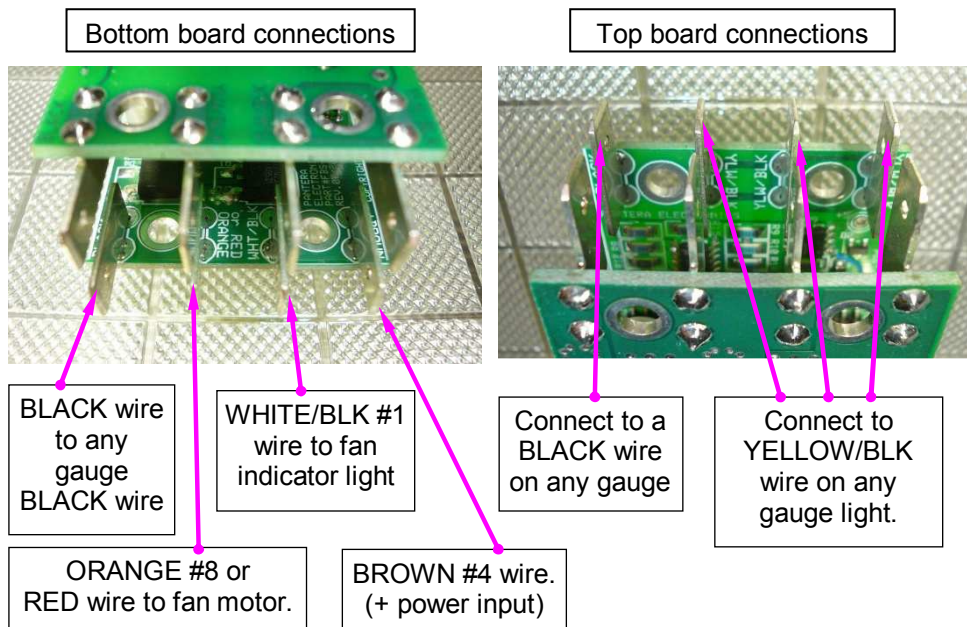


Fan Switch Connections

1. Move the BROWN (+12V) to the tab labeled "BROWN".
2. Move the WHITE/BLACK wire to the tab labeled "WHT/BLK".
3. Connect the fan motor ORANGE or RED wire to the tab labeled "ORANGE or RED". If the fan motor is an after-market motor then use the wire that is the fastest speed to connect to this tab. Do not connect the other wires, remove them.
4. There is a BLACK wire that enters the fan motor, this should be connected to chassis ground. (See page 10)
The resistor MUST be disconnected from the fan motor so only the fan motor wire is connected to the switch. The resistor is located near the fan air inlet. (See page 10)

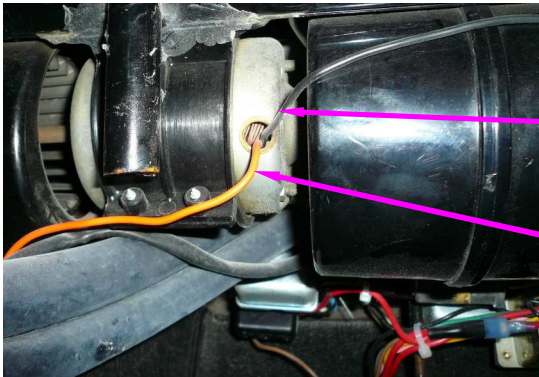
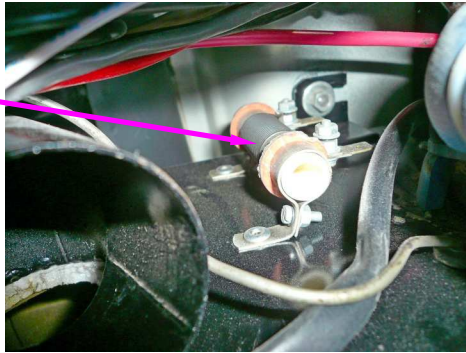
If using an aftermarket multi-speed fan motor connect the highest speed motor wire to the switch. Do not use the other wires. (see page 10)

4. **THIS MUST BE CONNECTED** - Add the BLACK WIRE with female terminals to a factory BLACK wire on a gauge that is in close proximity. Piggy-back terminals are easiest to use for this.
5. Add a YELLOW WIRE with female terminals to a factory YELLOW/BLACK wire on a gauge light that is in close proximity.



Factory Fan Resistor mounted on fan air box.

NOTE:
 A BLACK wire is sometimes connected to the resistor and factory switch.
 Disconnect the all wires from the resistor to avoid confusion with the fan motor BLACK ground wire.

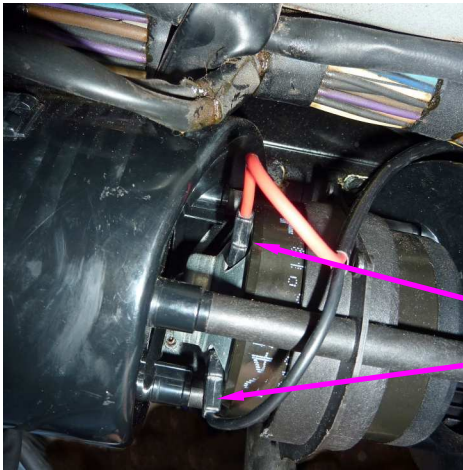
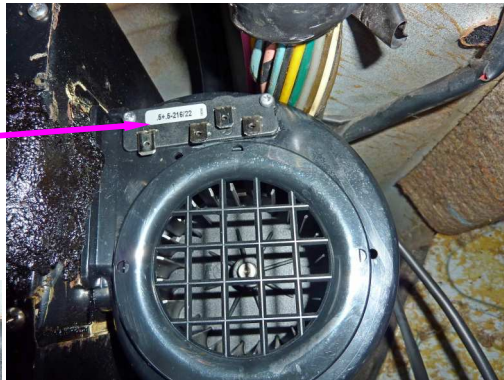


Factory Fan Motor Wires:

- BLACK wire to chassis ground. Note, this connection is the same from the factory.
- ORANGE or RED wire to the ORANGE / RED terminal on the rocker switch.

After-market Multi-speed Fan Resistor.
 The resistor is mounted internal to the fan air box and retained by 2 screws. Only the connection tabs are visible.

Remove all wires



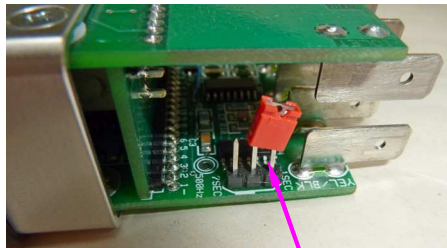
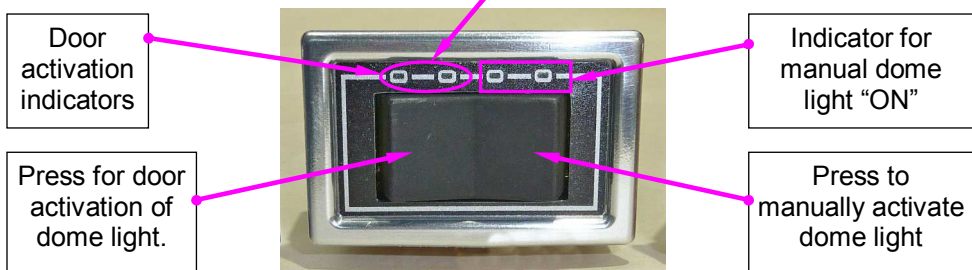
After-market Multi-speed Fan wires:

- RED wire to the rocker switch terminal.
- BLACK wire to chassis ground. Note, this connection is the same from the factory.

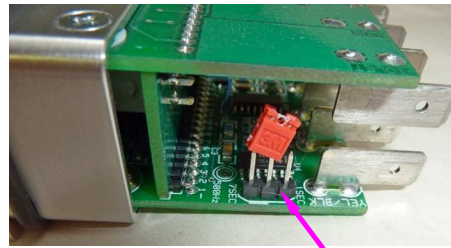
Courtesy Switch Features and Operation

- > Connects to the factory wire harness without changes.
(except for wiring the extra features)
- > 2 outputs: (1) for factory dome light and (2) additional outputs for additional lighting.
- > Switch contact rating is 25 amps that exceeds the factory switch rating.
- > Internal lighting for night visibility.
- > User selectable 1 or 7 second delay for courtesy lights turn off.
- > Removable aluminum bezel can be finished in a variety of styles and colors.

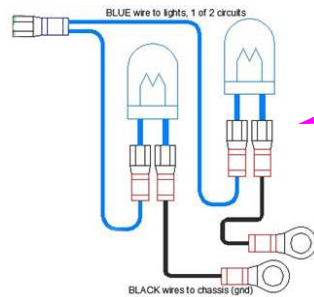
These indicators will only operate when the parking or headlights are "ON".



1 second delay after door closes. Place red jumper over these 2 pins. This is the factory default position.



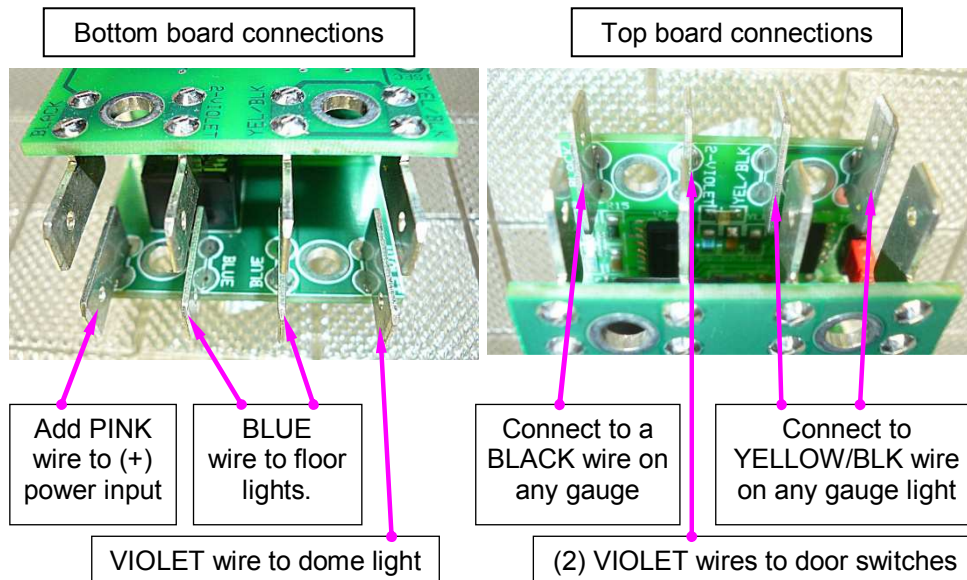
7 second delay after door closes. Place red jumper over these 2 pins.



Typical additional lighting connected to the courtesy switch "BLUE" terminals. 2 "BLUE" terminals are provide for convenience.

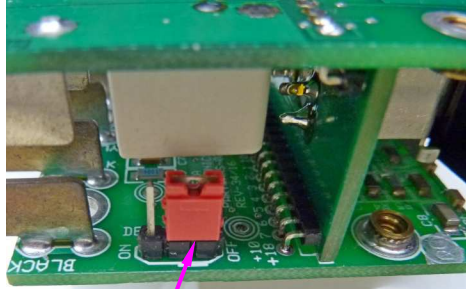
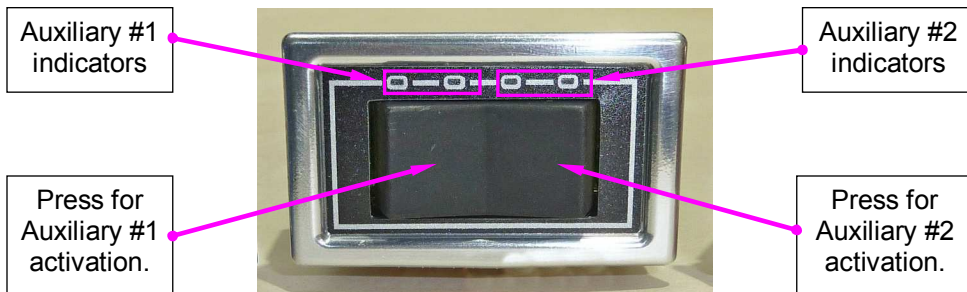
Courtesy Switch Connections

1. Add a wire to the terminal labeled “PINK” to fuse # 7, 8 or 9.
2. Connect the dome light VIOLET wire (single wire in a terminal) to the terminal labeled “VIOLET”.
3. Connect the door switch violet wires (2 wires in 1 terminal) to the terminal labeled “VIOLET-2”.
4. Connect additional interior lighting to the either terminal labeled “BLUE”, there are 2 terminals for ease of installation. The additional lighting only needs one wire to each light. The other light connection should be connected to chassis ground.
5. After both doors are closed there is a delay of 1 or 7 seconds selectable during installation. Move the red jumper plug to the desired time delay.
6. Internal yellow light indicates “Door Open”
7. **THIS MUST BE CONNECTED** - Add the BLACK wire with female terminal to a factory BLACK wire on a gauge that is in close proximity. Piggy-back terminals are easiest to use for this.
8. Add the YELLOW wire with female terminals to a factory YELLOW/BLACK wire on a gauge light that is in close proximity.

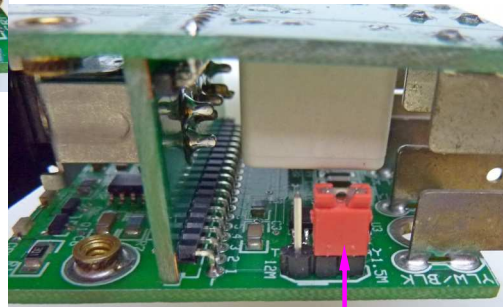


Auxiliary Switch Features and Operation

- > (2) independent outputs with 25 amp contacts.
- > Auxiliary output #1 (no off delay)
- > Auxiliary output #2, user selectable 1.5 minute or 12 minute delay to "OFF".
- > Status indicators for Auxiliary #1 and Auxiliary #2
- > Internal lighting for night visibility.
- > Removable aluminum bezel can be finished in a variety of styles and colors.



Timer jumper is in the "OFF" position.
Move to "ON" position for the timer to operate



Timer length jumper is in the "1.5" minute position.
Select time length by moving jumper to "15" minutes

Auxiliary Switch Connections

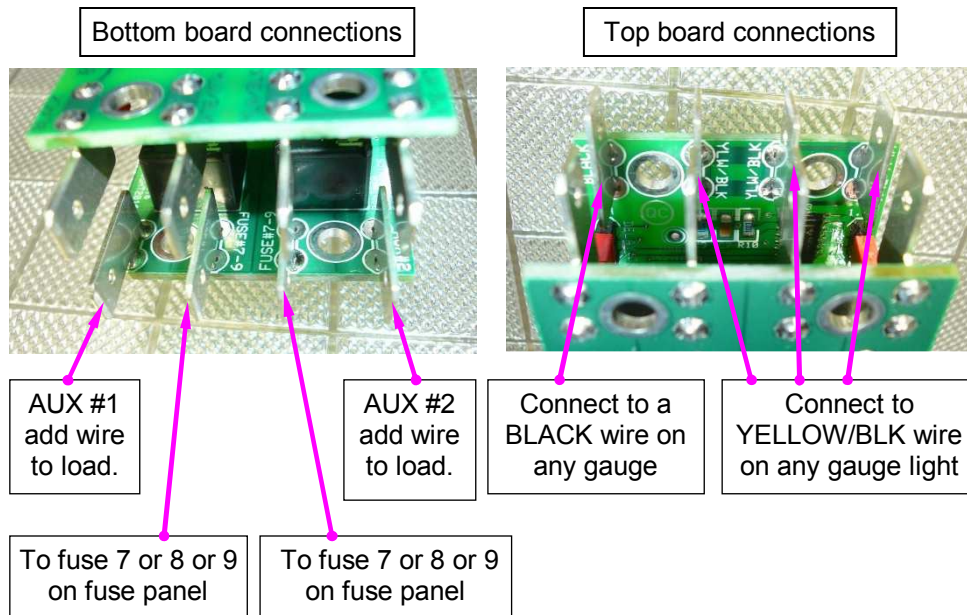
1. There is a time delay for “AUX2”, enabled or not and delay selectable of 1 1/2 minutes delay or 12 minutes delay. Move the red plug to the desired settings.

Note: The time delay may have to be cycled once before the proper timing occurs.

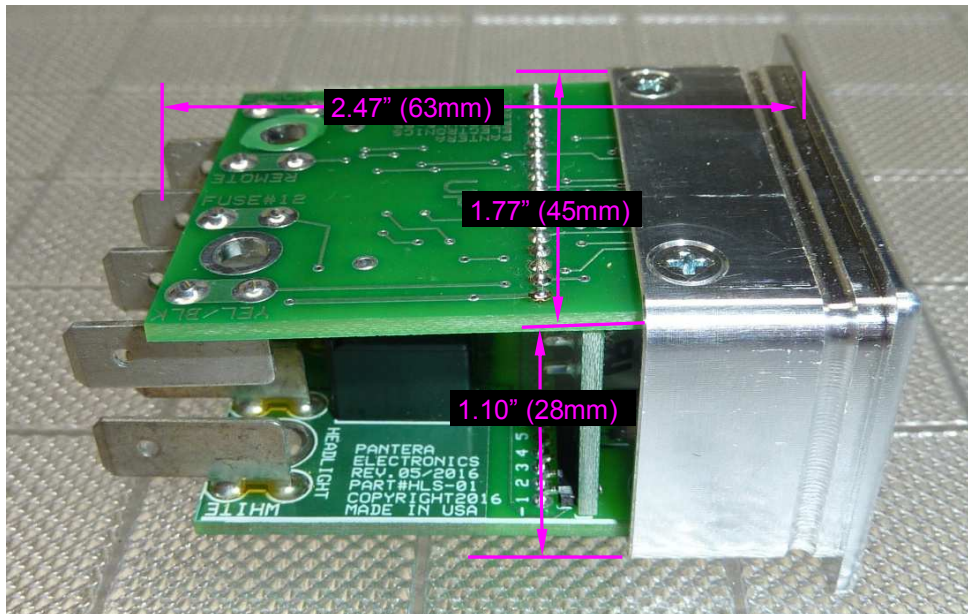
2. **THIS MUST BE CONNECTED** - Add the BLACK wire with female terminals to a factory BLACK wire on a gauge that is in close proximity. Piggy-back terminals are easiest to use for this.

3. Add the YELLOW WIRE with female terminals to a factory YELLOW/BLACK wire on a gauge light that is in close proximity. (YLW/BLK switch terminals are for daisy chaining and are the same connection internally)

4. The 2 outputs “AUX1” and “AUX2” are independent and can be connected to any desired electrical accessory. The input power has common terminals, labeled “Fuses 789” for both AUX input power. These terminals can be connected to any fuse 7 or 8 or 9 that are powered all the time.



Dimensions for all rocker switches



The Rocker Switches may be warm to the touch, this is normal during operation.

Disclaimer

The products from Pantera Electronics have been design and manufactured with the best quality components known to the engineer. The installation instructions have been written to assist the owner in the proper use and installation of the products. Pantera Electronics can not be held responsible or held liable for the interpretation or incorrect implementation of the products.

NOTE: It's important to keep this installation manual for future reference since revisions to this product change the contents of the installation manual.

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