

PAINLESS

PERFORMANCE PRODUCTS



Trail Rocker Installation

Instructions

1976-1986 Jeep CJ7 4-Switch Overhead Trail Rocker
For Installing Painless Part Number: 57020
Manual # 90618

Painless Performance Products recommends you, the installer, read this installation manual from front to back before installing this harness



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If you have any questions concerning the installation of this product, feel free to call Painless Performance Products' tech line at 1-800-423-9696. Calls are answered from 8am to 5pm central time, Monday thru Thursday, 8am-4:30pm Friday, except holidays.

Here we have provided you with accurate instructions for the installation of this product. However, if you have comments/suggestions concerning these instructions, please call or email us (our contact information can be found at the top of this page or online at www.painlessperformance.com). We sincerely appreciate your business.

Painless Performance Products, LLC shall in no event be liable in contract or tort (including negligence) for special, indirect, incidental, or consequential damages, such as but not limited to, loss of property, or any other damages, costs or expenses which might be claimed as the result of the use or failure of the goods sold hereby, except only the cost of repair or replacement.

Should you damage or lose part of your manual, a full color copy of these instructions can be found online at www.painlessperformance.com

Installation Manual: **90618**

1st Edition: February, 2017

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CONTENTS OF THE PAINLESS KIT

Refer to the **Contents Figure** (below) to take inventory. See that you have everything you're intended to have in this kit. If you find that anything is missing or damaged, please contact the dealer where you obtained the kit or Painless Performance at (800) 423-9696.

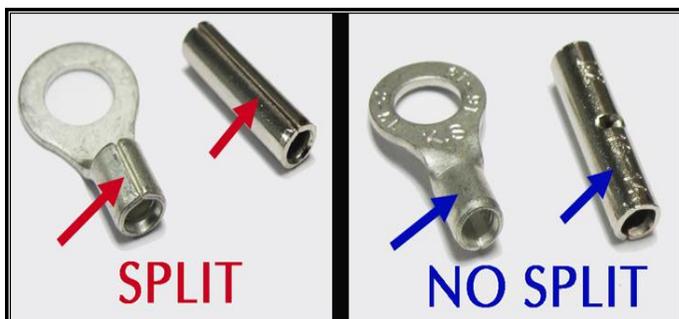
The Painless Trail Rocker Kit should contain the following:

- Fuse/Relay Center
- Powder Coated Bracket
- 4-Switch Overhead Trail Rocker Switch Panel with pre-installed switches.
- Ignition Switch pigtail and weather-pack connector.
- Parts Kits
- This manual: 90618



SMALL PARTS

Included with the Painless harness are parts kits containing miscellaneous terminals, fuses, screws, and nuts. Many of the terminals are non-insulated and will require heat shrink to be applied after the terminal has been properly crimped. Heat shrink has been supplied. These non-insulated terminals allow you to keep a cleaner, more traditional look. When crimping these terminals, take notice to the split in the terminal. Make sure the smooth side of the jaw on the crimper goes towards this split.



TOOLS NEEDED

This installation primarily requires only basic hand tools that may include, but are not limited to:

1. Wrench sets SAE and Metric
2. Ratchet sets SAE and Metric
3. T20Torx bit
4. Screwdrivers:
 - a. (2) #2 Standard Length and Stubby Phillips Head
 - b. #0 "Jewelers" Flat (slot) Head
5. Half-round Metal File
6. Inch/Pound Torque Wrench
7. Wire Cutters or "Dykes"
8. Hand Crimpers
9. Cable Crimping Tool
10. Electrical and Masking Tape
11. Permanent Marker



In addition to these basic hand tools, you will need, at least, the following:

Electric Drill & Drill Bits:

You also need an Electric Power Drill (suggest battery powered cordless for ease and maneuverability) and the following bits:

1. Drill bits
 - a. 1/4"
 - b. 1/8"
2. 1 1/4" Hole Saw with Arbor
3. 1/4" – 3/4" X 1/16" #3 Step Drill Bit



Volt/Ohm Meter:

A Volt/Ohm meter is always a good tool to have on hand when installing any type of electrical component into a vehicle. The most basic meters provide the two functions required to diagnose electrical issues commonly seen during a harness install: voltage measurement and continuity testing. Voltage measurement is the ability to read DC voltage. Continuity testing allows you to test



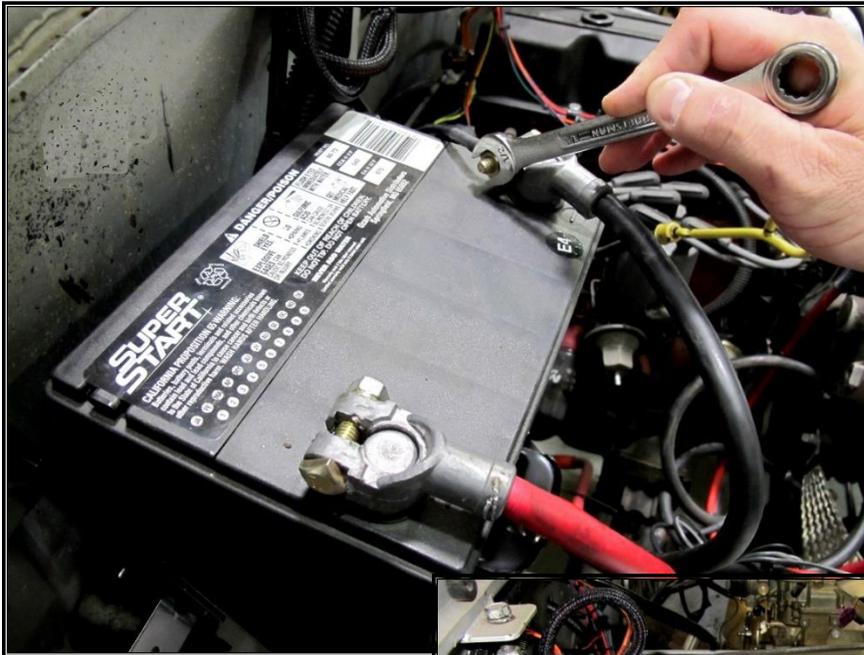
Heat Gun: Very useful to shrink the heat-shrink found in the parts kit.

FUSE/RELAY CENTER INSTALLATION

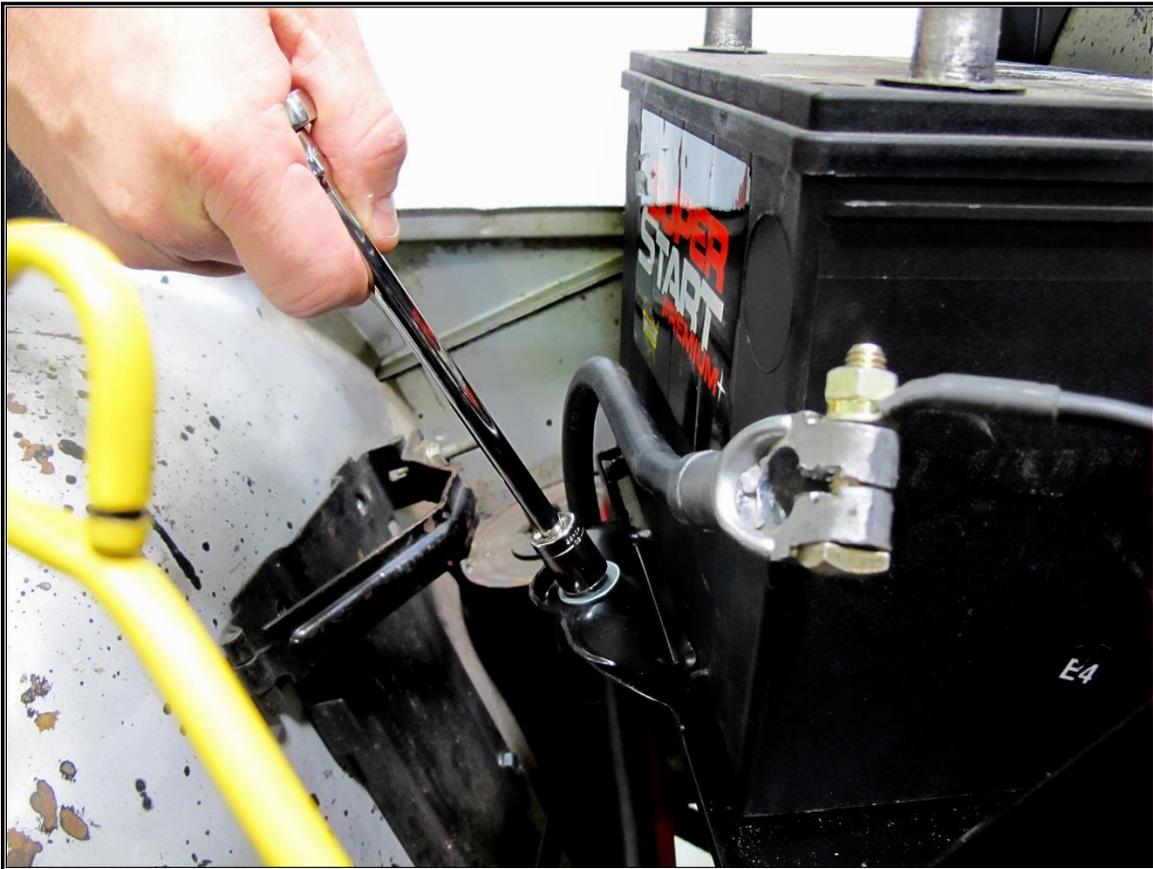
The following steps **MUST** be followed as they are printed. Do not move onto other parts of the installation out of sequence.

CAUTION: BEFORE THE INSTALLATION OF THIS PRODUCT, DISCONNECT THE POWER FROM YOUR VEHICLE BY REMOVING THE NEGATIVE BATTERY CABLE FROM THE BATTERY. THE BATTERY SHOULD NOT TO BE RECONNECTED UNTIL INSTRUCTED

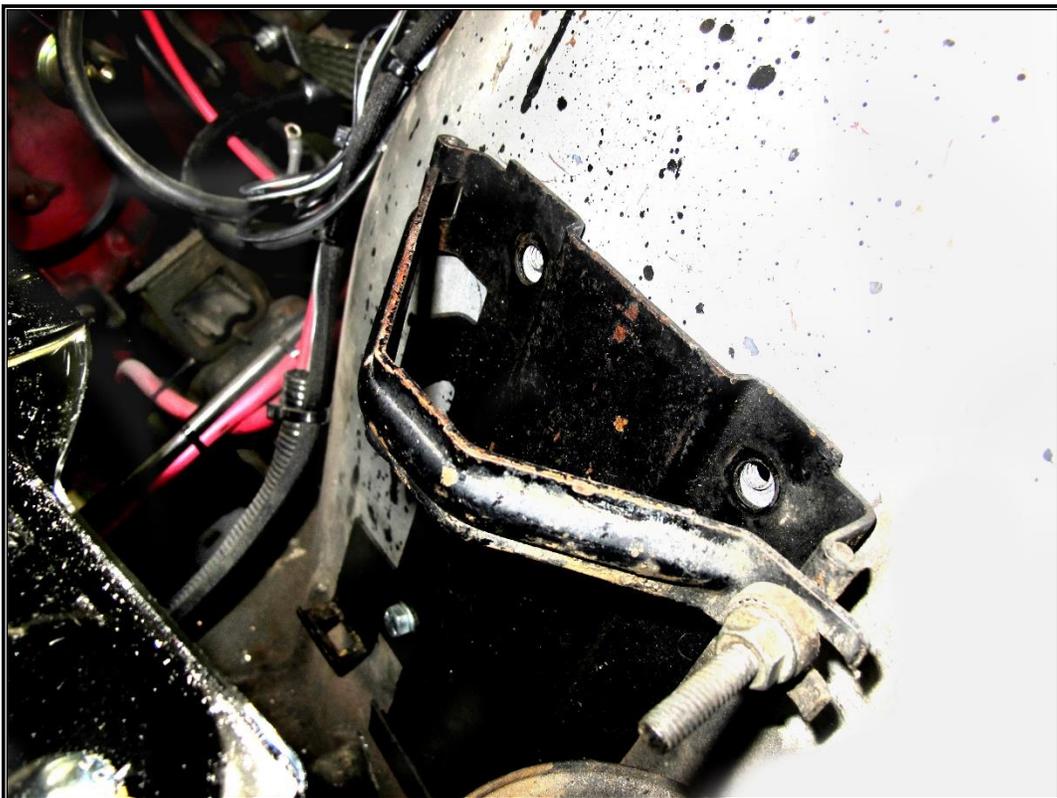
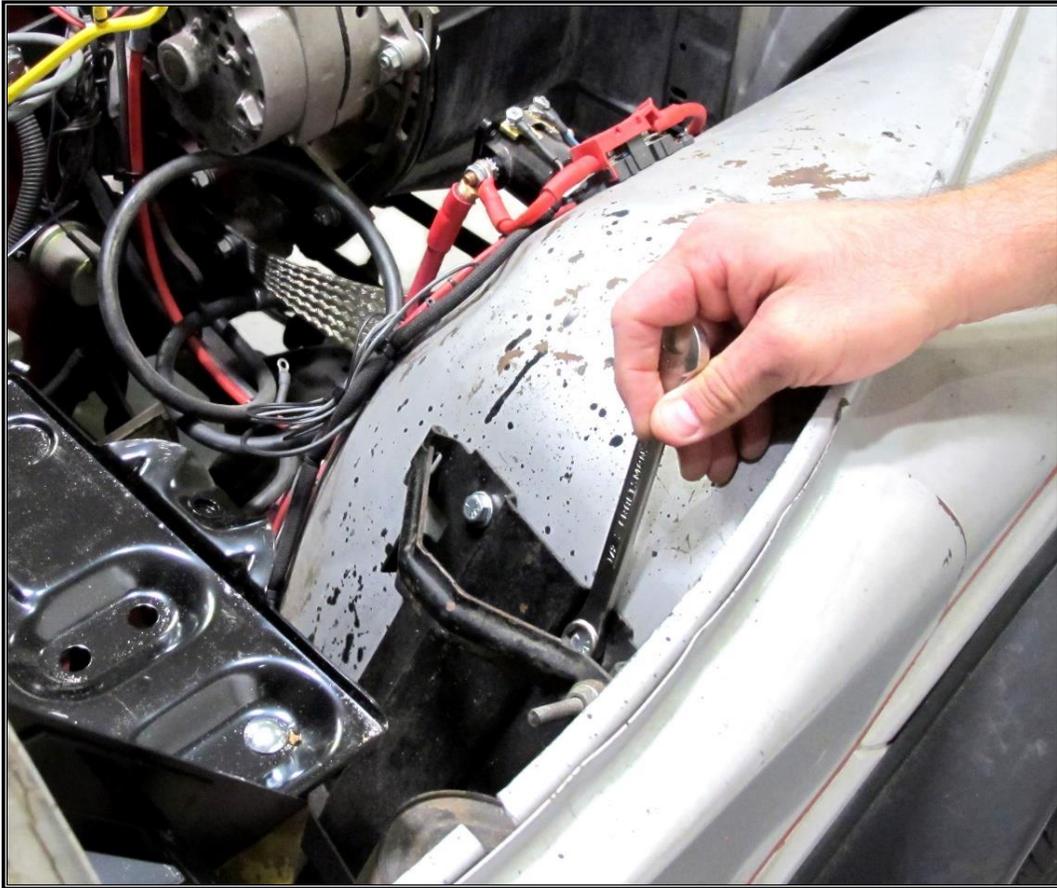
Step 1: Locate your battery and remove the cables, beginning with the negative (-) cable.



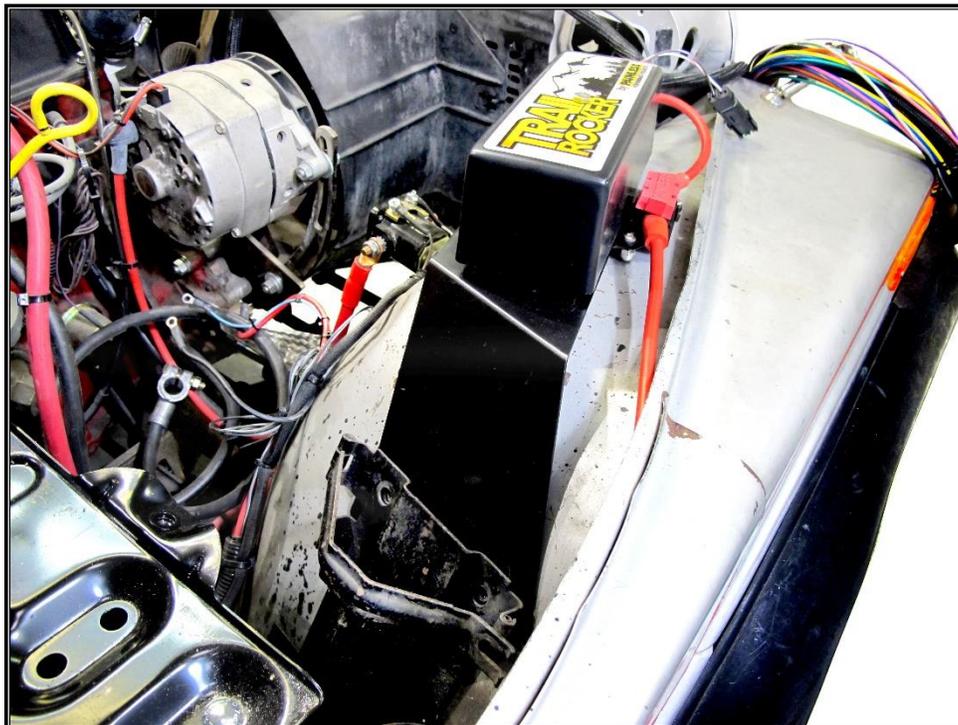
Step 2: Then, unbolt the battery hold-down and remove the battery completely.



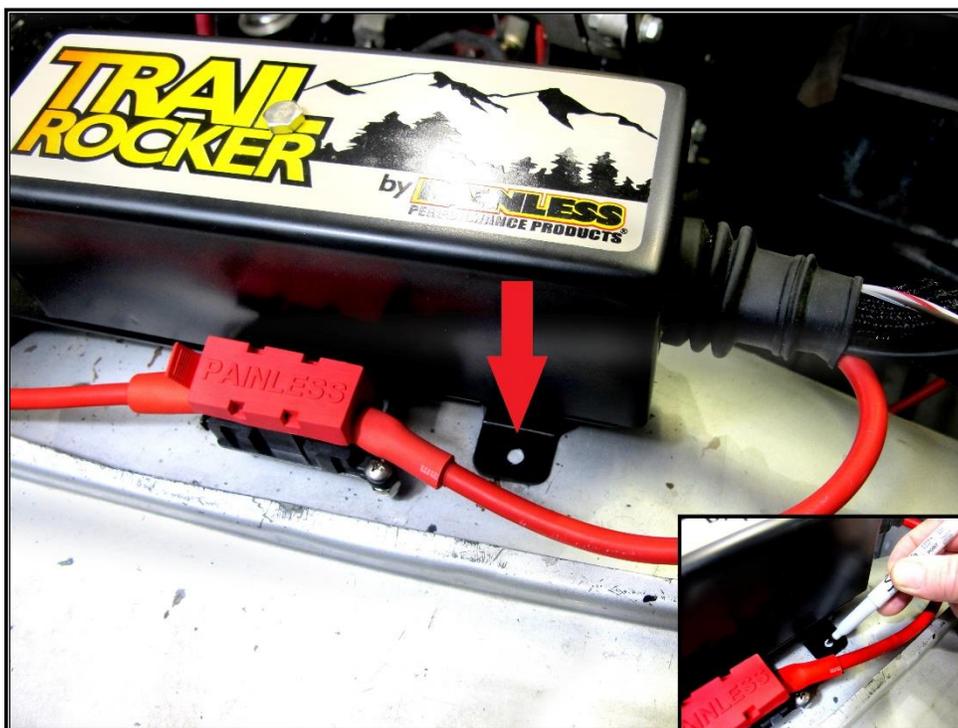
Step 3: Inside the engine compartment, locate the jack holder bolted to the passenger side, front fender well. Remove the top two bolts from the jack holder. This is where you mount the Fuse/Relay Center.



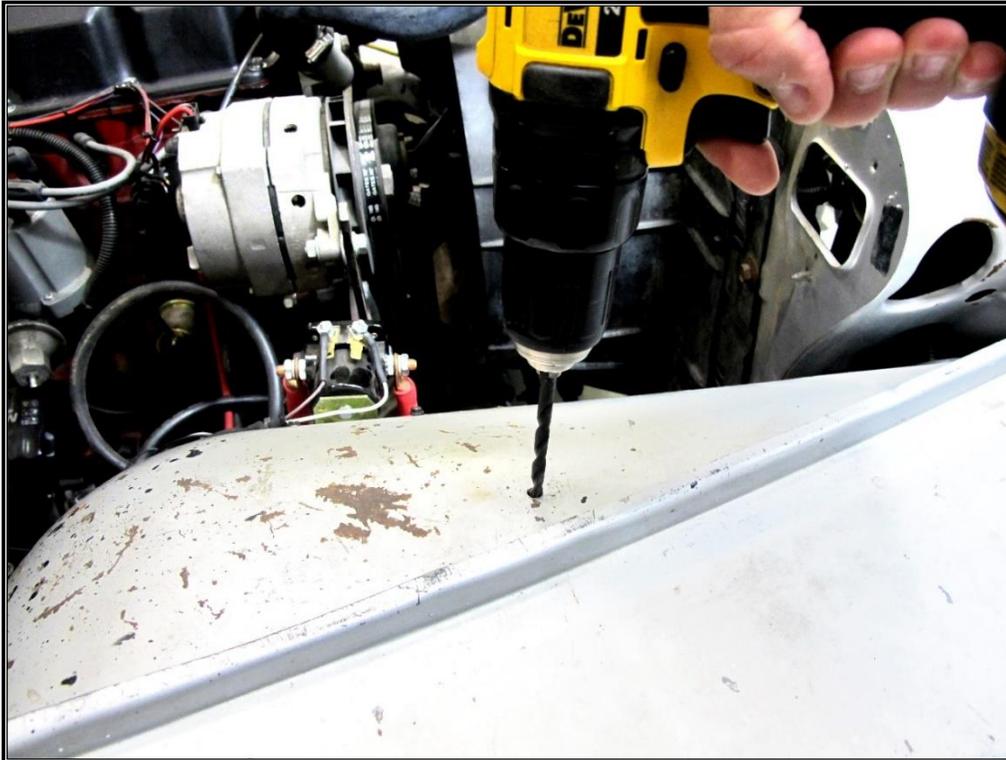
Step 4: Mount the Fuse/Relay Center bracket on top of the fender well and slide the end of the bracket behind the jack holder. Loosely, reinstall the bolts thru the bracket holes. You will move the bracket again after marking the mounting hole you will create in Step 6.



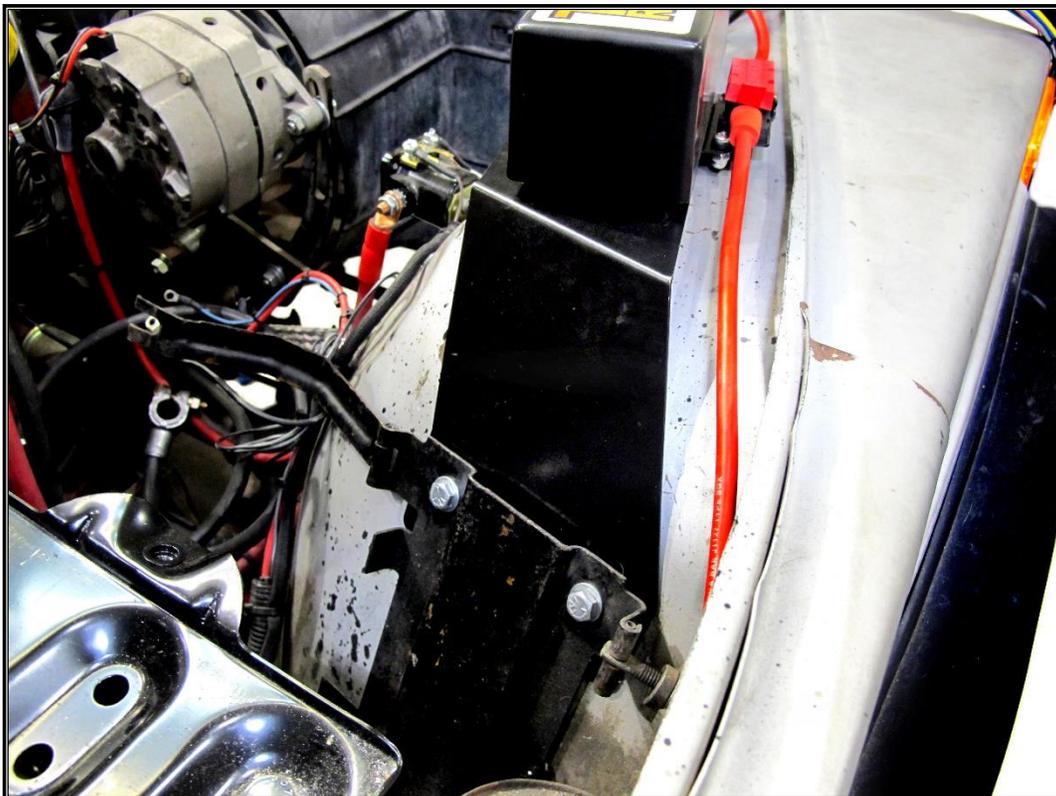
Step 5: If a hole does not exist on the fender well, drill one in order to secure and mount the Fuse/Relay Center bracket to the vehicle. Locate the mounting tab on the side of the bracket and use a [permanent marker](#) to mark the place your hole will be drilled.



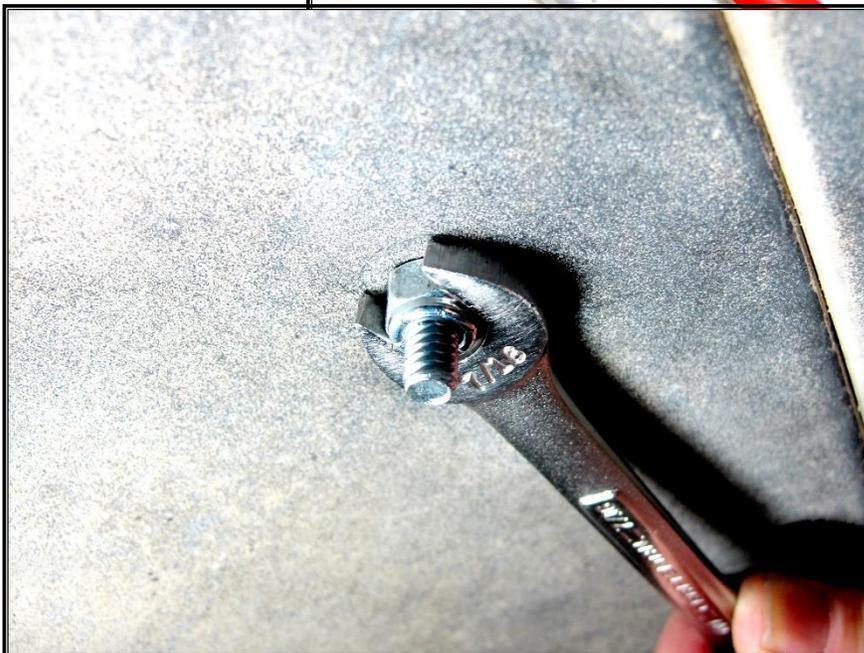
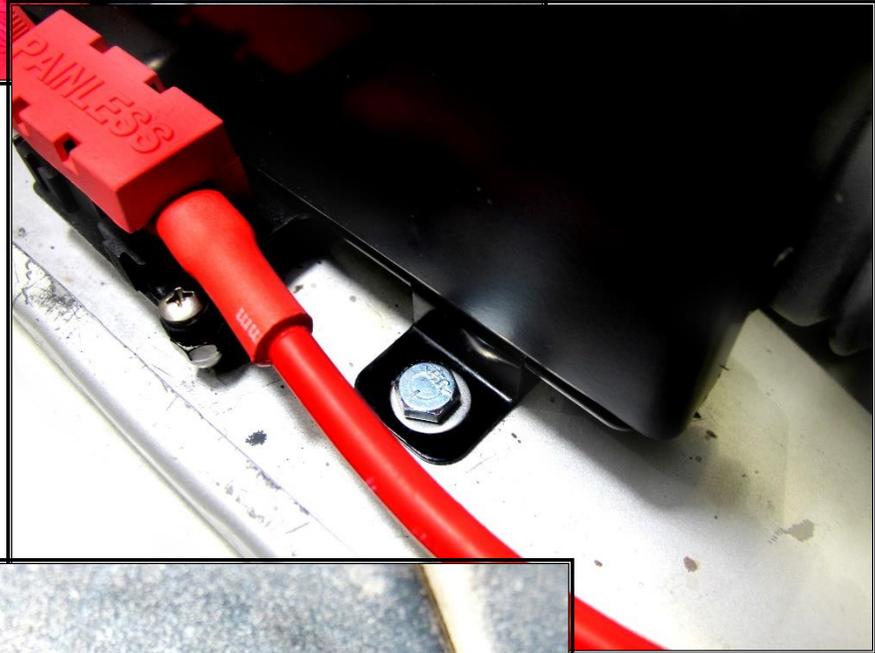
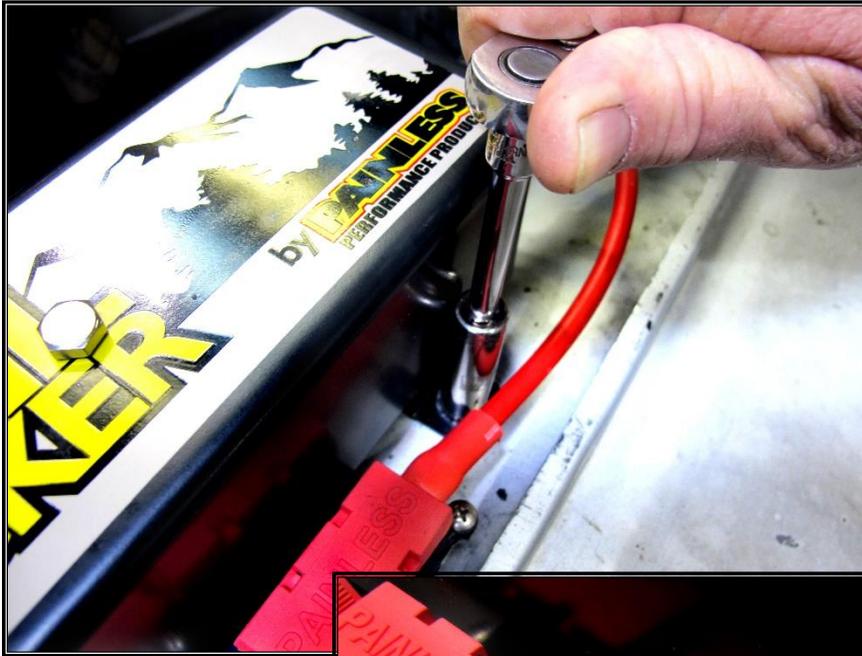
Step 6: Temporarily remove the bracket and set it aside. Use a $\frac{1}{4}$ " bit to drill a small hole in the fender well where you made your mark in Step 5.



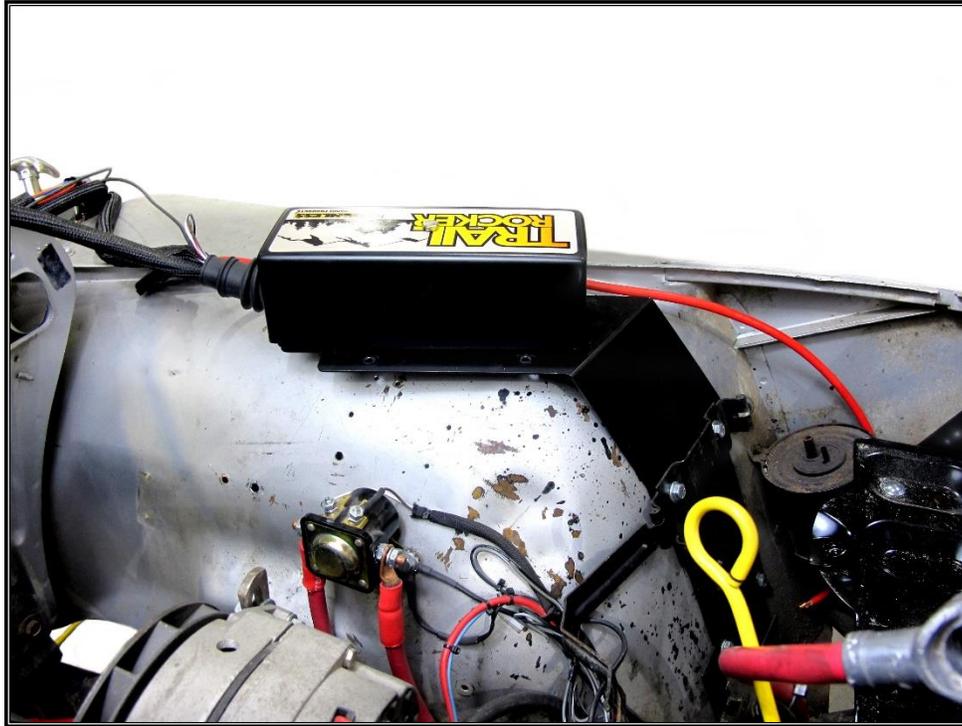
Step 7: Again, mount the Fuse/Relay Center bracket just as you did in Step 4, and secure the assembly to the vehicle. To do this, first, replace and tighten the bolts for the jack holder, securing the bracket behind it.



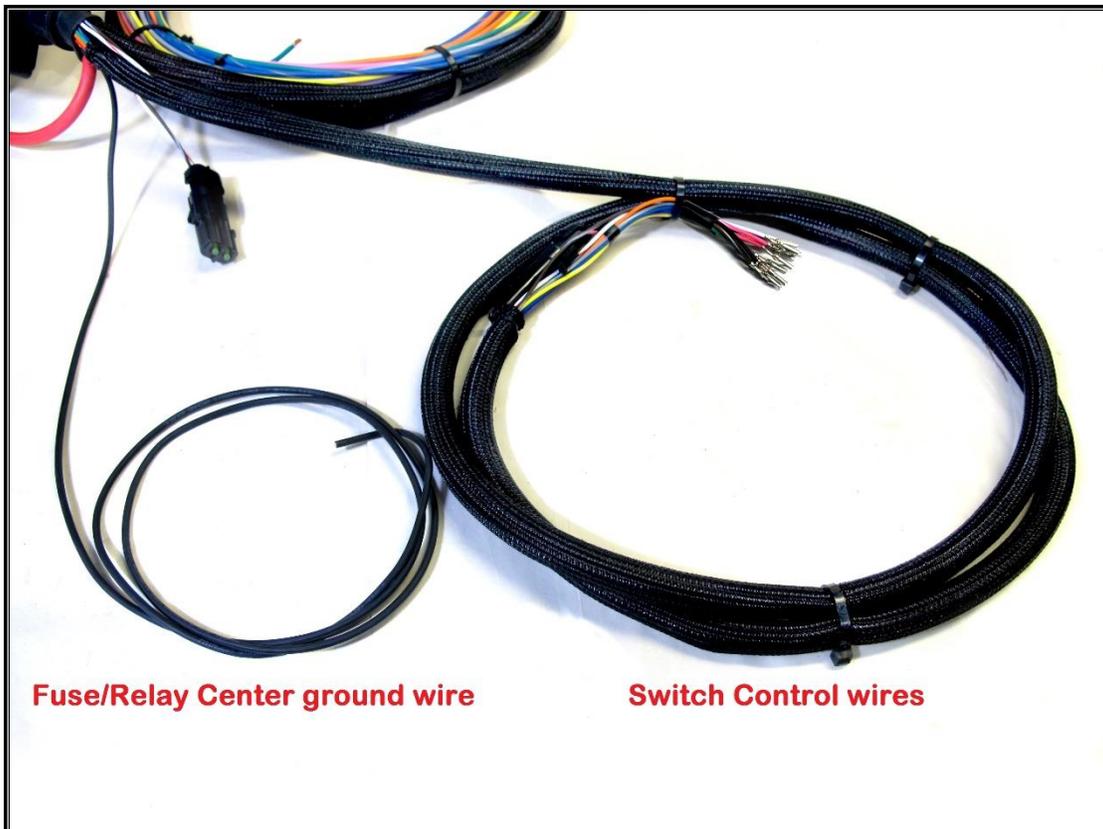
Step 8: Locate (1) ¼" – 20 X ¾" bolt, (1) flat washers, and (1) ¼" lock nut from the included parts kit. With a 7/16" socket and 7/16" wrench, bolt the bracket to the fender well using the hole you created on Step 6.



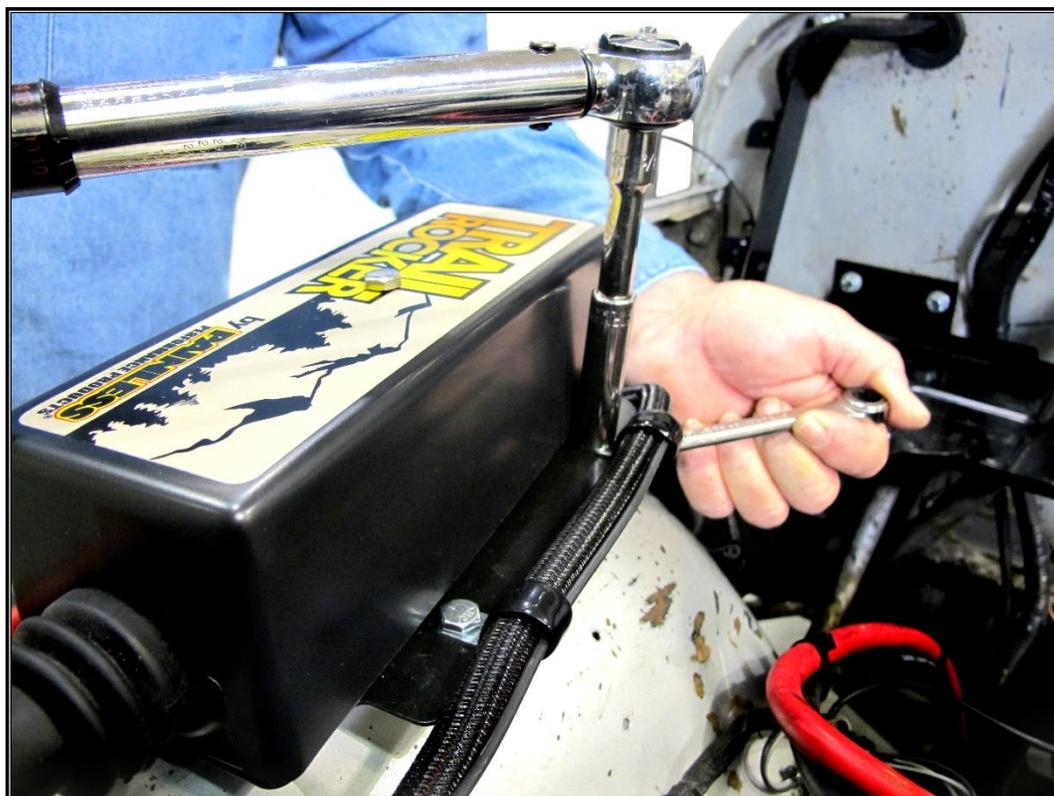
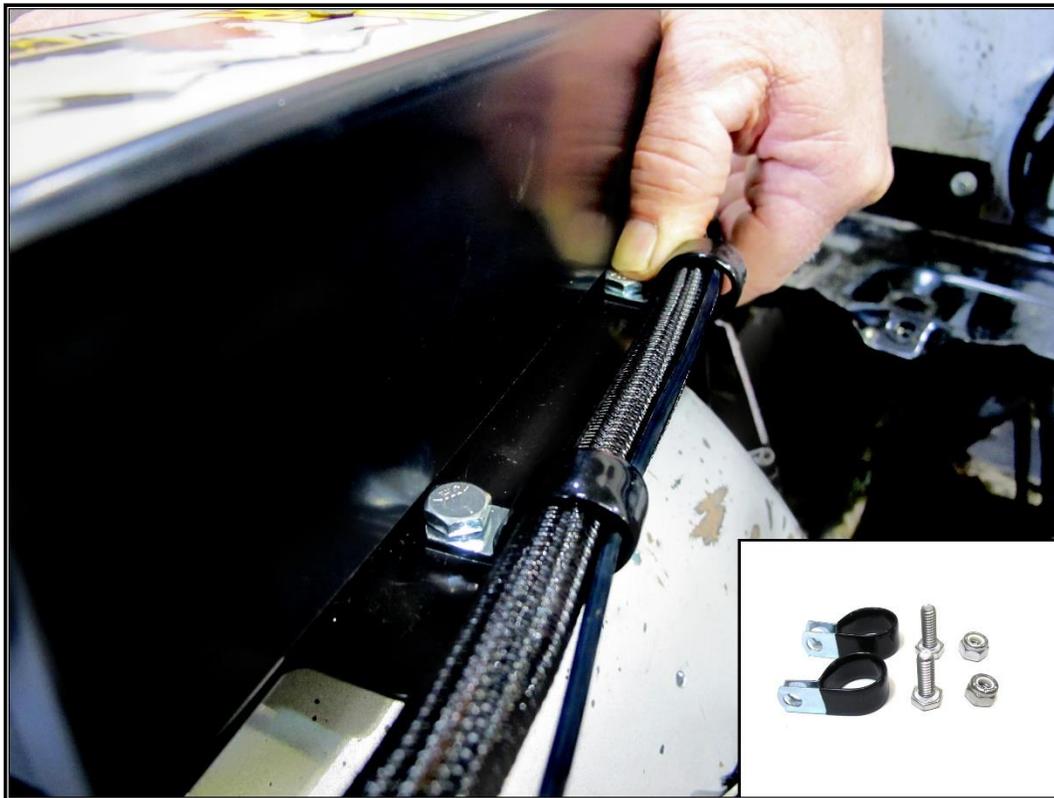
Step 9: At this point, your **Fuse/Relay Center** should appear as it does below.



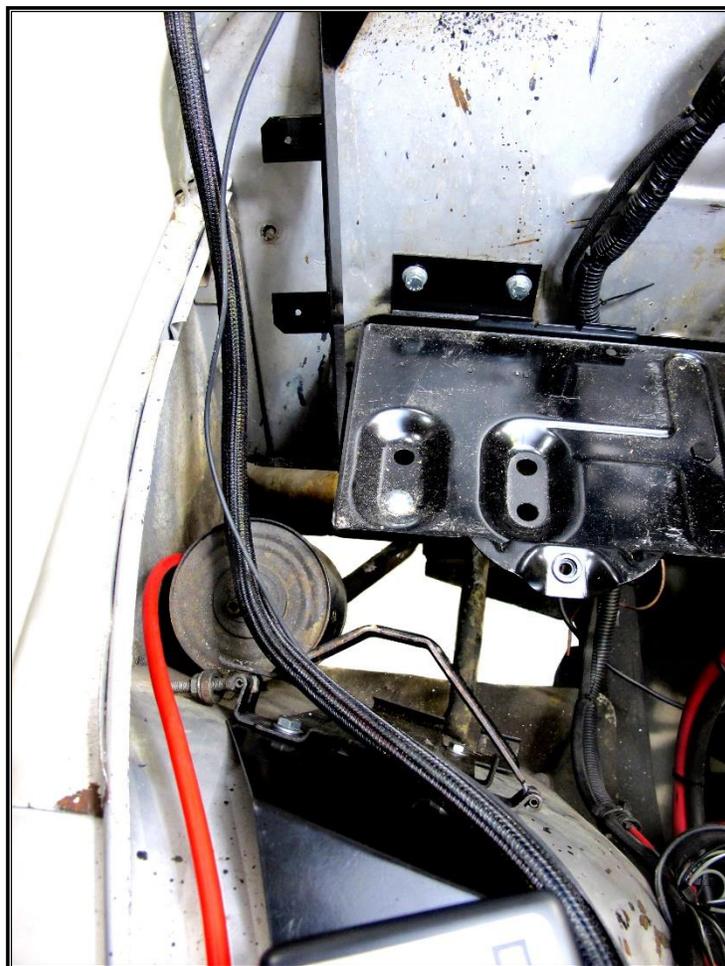
Step 10: Now that the assembly is securely fastened to the vehicle, locate the **Switch Control wires** and **Fuse/Relay Center ground wire**.



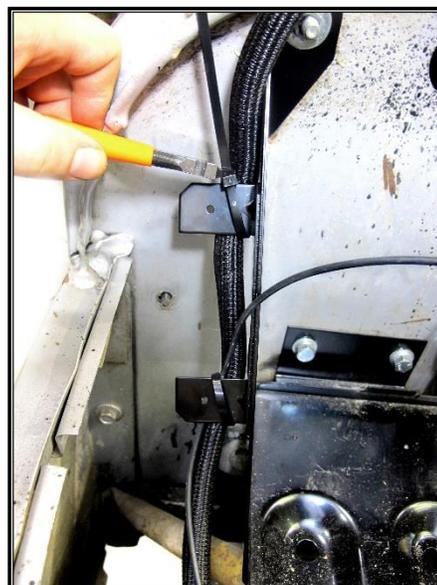
Step 11: Route the Switch Control wires and ground wire along the top of the Fuse/Relay Center and back toward the firewall. Then, use (2) ¾" Adel clamps, (2) ¼" Nylock nuts, and (2) ¼"-20 bolts, found in the included parts kit, to mount the harness to the bracket. **Caution: Do not over-torque these fasteners! Use a torque wrench to torque to 24 inch pounds.**



Step 12: After securing the **Switch Control** wires and **ground wire**, they should be routed toward the firewall.



Step 13: Notice two tabs on the side of the battery tray support. Using **zip-ties**, found in the included parts kit, secure the **Switch Control** wires and **ground wire** to the lower tab. Then, secure just the **Switch Control** wires to the higher tab and remove the excess material from the **zip-ties**.



Step 14: Drill a hole in the firewall in order to route the **Switch Control wires** to the interior of the vehicle. First, start by measuring where to make the hole. Use the included **rubber grommet** as a reference and mark off a space roughly **2 ¾"** from the top and **3"** to the right of the battery tray support bolt's center line.

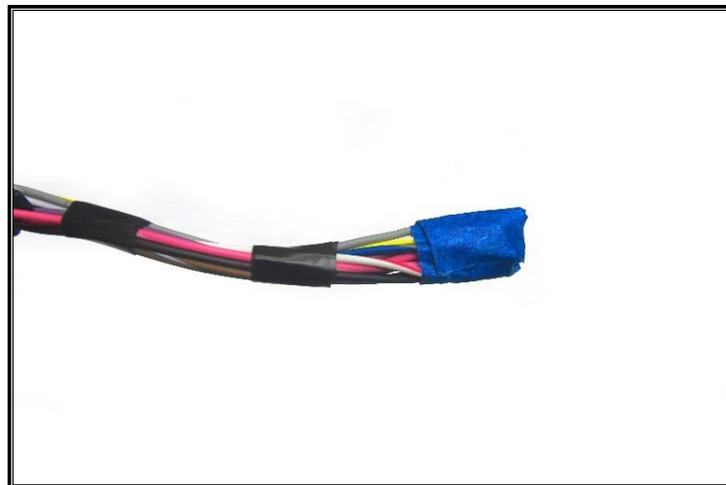
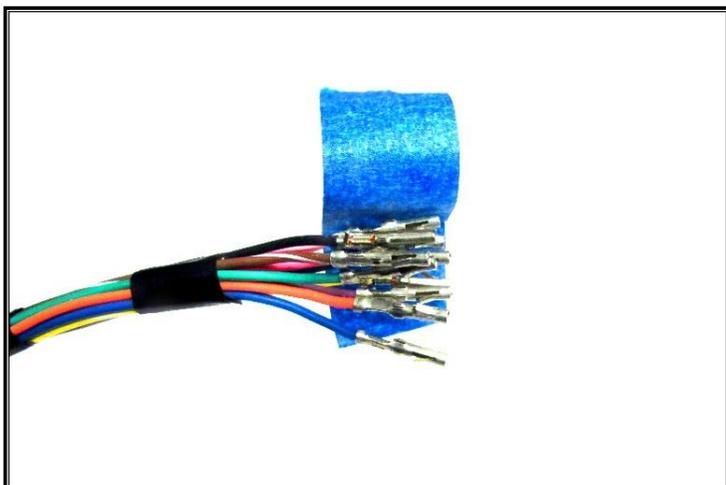


Step 15: Use a **1 ¼"** **hole-saw w/ arbor** to cut a hole in the firewall. Use a **half-round file** to de-bur the hole before installing the **rubber grommet**. **Before drilling, look behind the firewall to make sure the area is clear!**



Step 16: Next, secure the loose ends of the **Switch Control** wires with a piece of **masking tape**. This step is necessary to insure ease when feeding the wire through the firewall on **Step 17**. Failing to tape the ends can cause the loose wires to catch on the internal structure of the dash.

WARNING: MAKE SURE YOUR SYSTEM IS NOT CONNECTED TO THE BATTERY! THESE WIRES ARE HOT WHEN THE TRAIL ROCKER HAS POWER AND WILL SHORT THE SYSTEM OUT IF THEY TOUCH AS SEEN IN THE IMAGES BELOW. AGAIN, DO NOT RECONNECT THE BATTERY UNTIL INSTRUCTED.



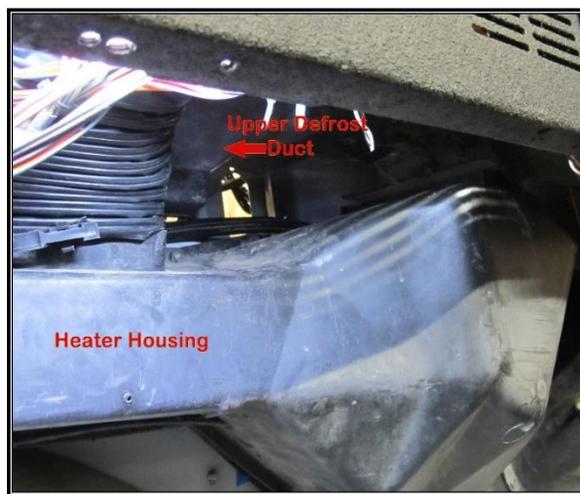
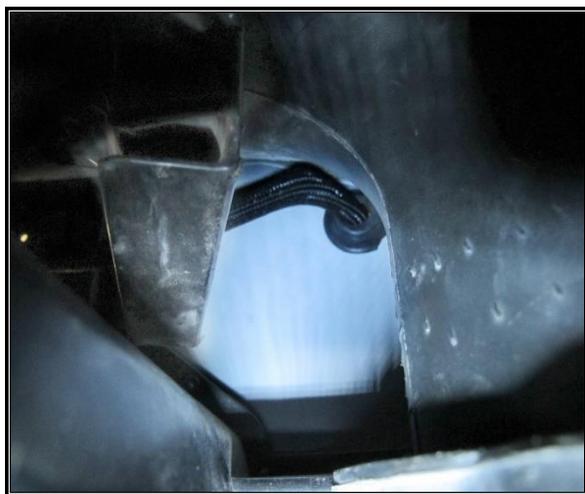
Step 17: Once the **Switch Control** wires are secured, place the **rubber grommet**, included in the parts kit, over the **Switch Control** wires. Then pass the wires through the hole in the firewall.



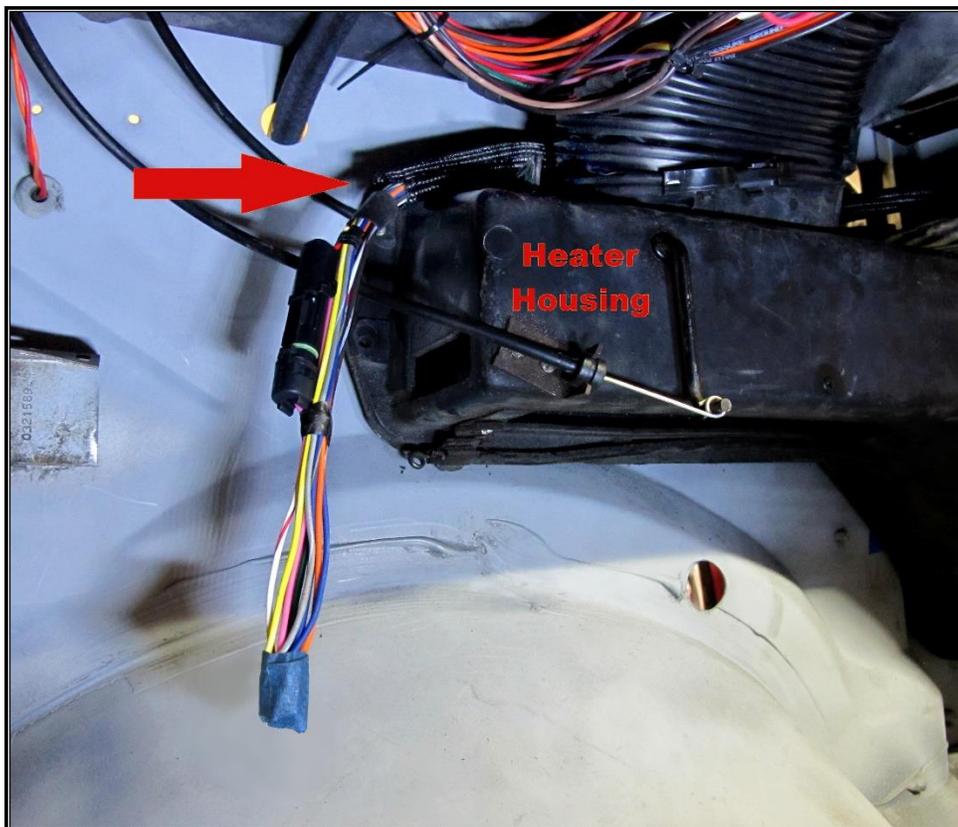
Step 18: When finished, everything should appear as it does below. Now, move to the interior of the vehicle.



Step 19: From the passenger side floorboard, under the dash, you can see the hole you made and the **Switch Control** wires coming through. Route the wires toward the center of the vehicle along the back of the firewall, above the **heater housing**, and behind the **upper defroster duct**.

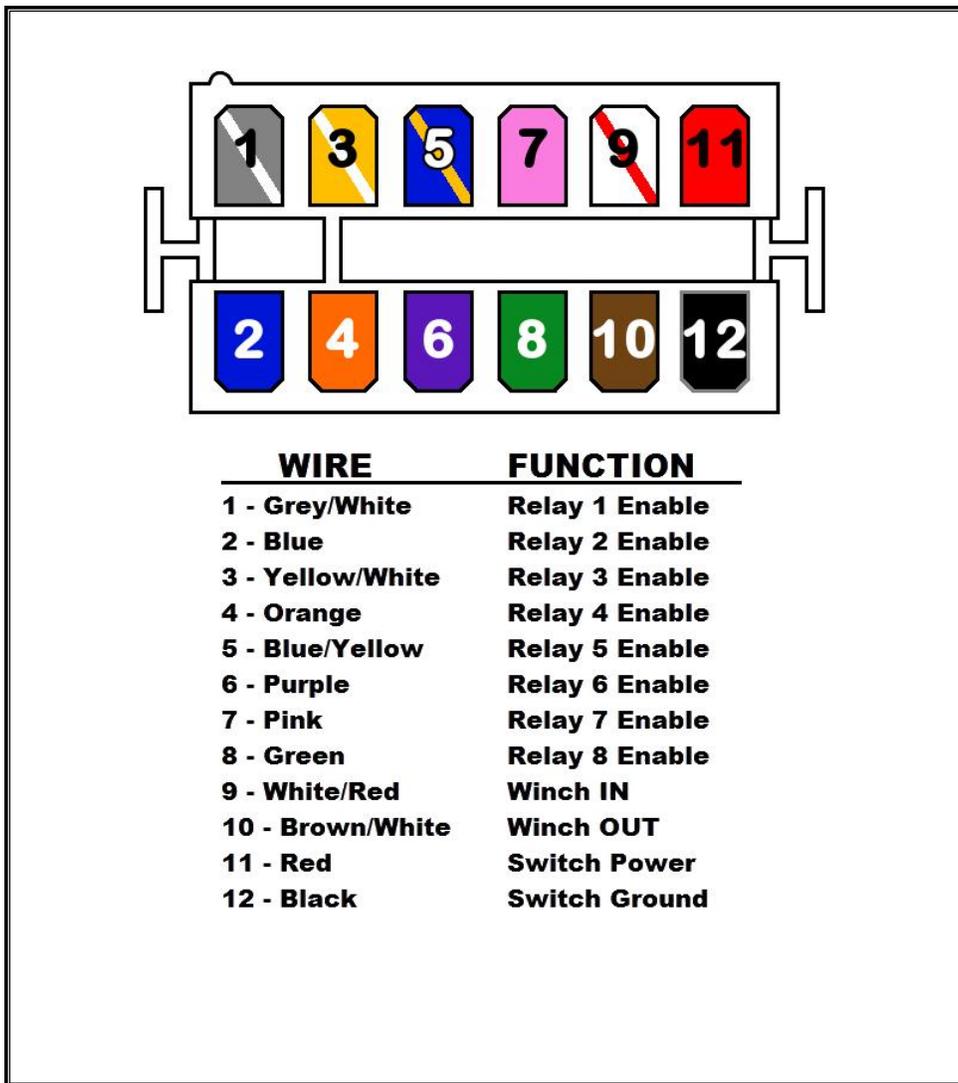


Step 20: The harness should come out behind and above the heater housing.

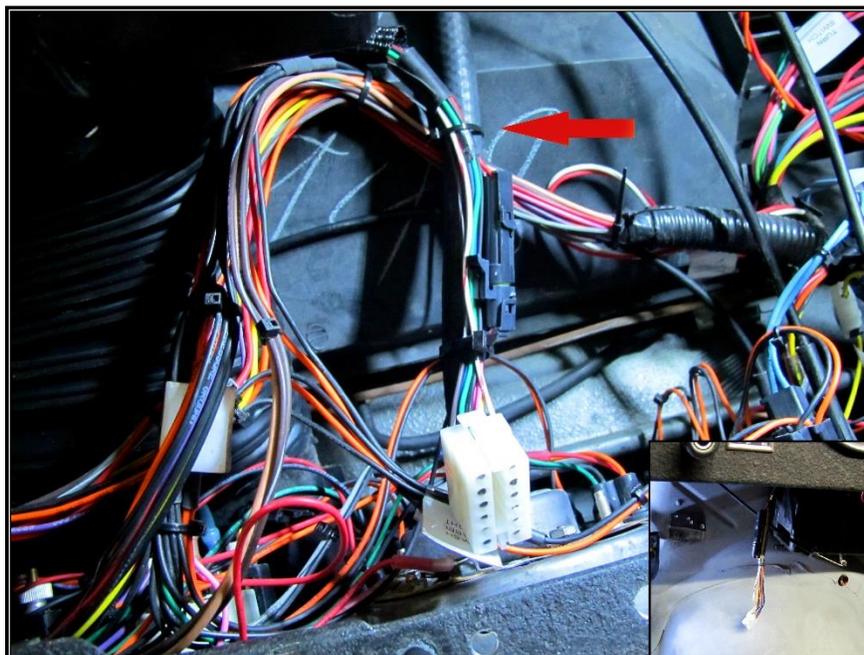


Step 21: Remove the tape and locate the **12-pin connector** shell in your parts kit. Then, connect the pinned wires from the **Fuse/Relay Center** using the diagram on the next page. **NOTE:** The diagram below shows the connector from the wire side.





Step 22: The Switch Control wires should drop down below the dash, right under the speedometer. Zip-tie the end of the harness to the speedometer cable so that it is up and out of the way.



OVERHEAD 4-SWITCH PANEL INSTALLATION

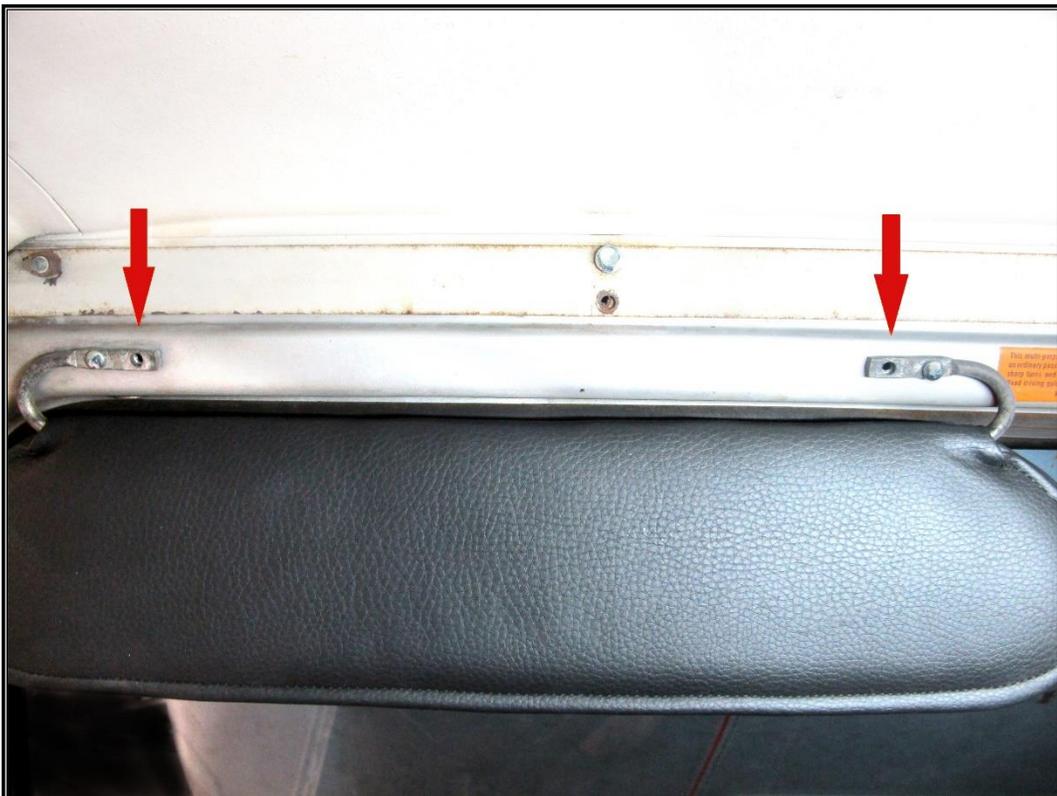
Step 23: Locate the Footman Loop at the top of the windshield frame and between the sun visors. Using a **T20 Torx bit**, remove the Footman Loop and set it aside for Step 24.



Step 24: Locate your Switch Panel and line up the holes on its mounting bracket with the holes on the windshield frame from the Footman Loop you just removed. Reattach the Footman Loop over the bracket with the factory screws to mount the Switch Panel to the windshield.



Step 25: Next, on the driver side sun visor, remove the interior screw from both of the hinges. Originally, these fasteners were **Torx-head screws** that require a **T20 Torx bit** to remove. However, some CJs, like the one in our example, have been replaced by **Philips-head screws**.



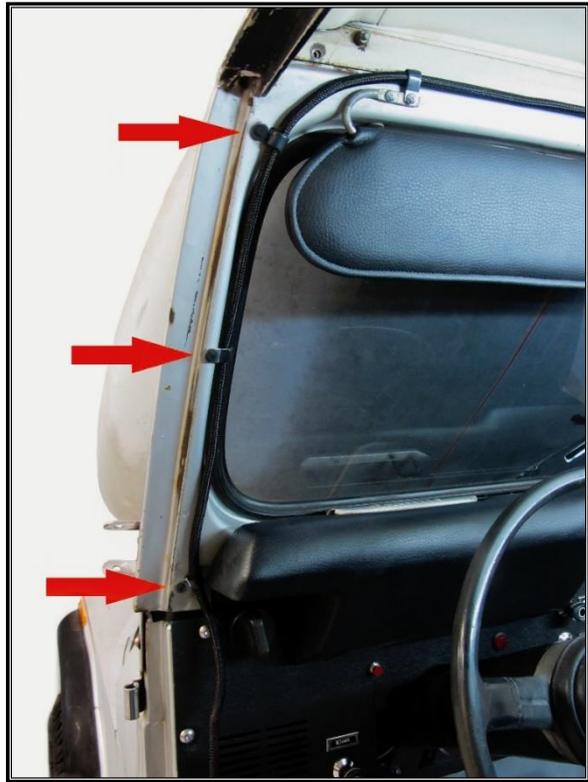
Step 26: Locate the **Switch Panel** wires coming from the right side of the **Switch Panel**. Use (2) $\frac{3}{8}$ " **Adel clamp** to secure the wires along the top of the windshield by using the sun visor screws you removed in **Step 23**. Notice in the orientation of the **Adel clamp** is turned inward to make the wire bundle lie closer to the windshield and, therefore, be less in the way.



Step 27: When finished, the **Switch Panel** wires should be secured above the sun visor as it appears below. Notice the detached wire running down the left side of the sun visor.



Step 28: Start at about **2 ¼"** from the roof and **½"** from the driver door frame. Use evenly spaced (**7 ½"** apart) **(3) #8 X ¾"** self-tapping screws, **(3) washers**, and **(3) ⅜"** Adel clamps to secure the wires to the side of the windshield frame. To do this you need a **¼"** socket and ratchet.



Step 29: For the next step, it is necessary to close the hood and lower the windshield. To lower the windshield, unscrew and remove the **windshield bracket knob** on each side of dash.



Step 30: Carefully, lower the windshield and locate the windshield wiper motor cover.



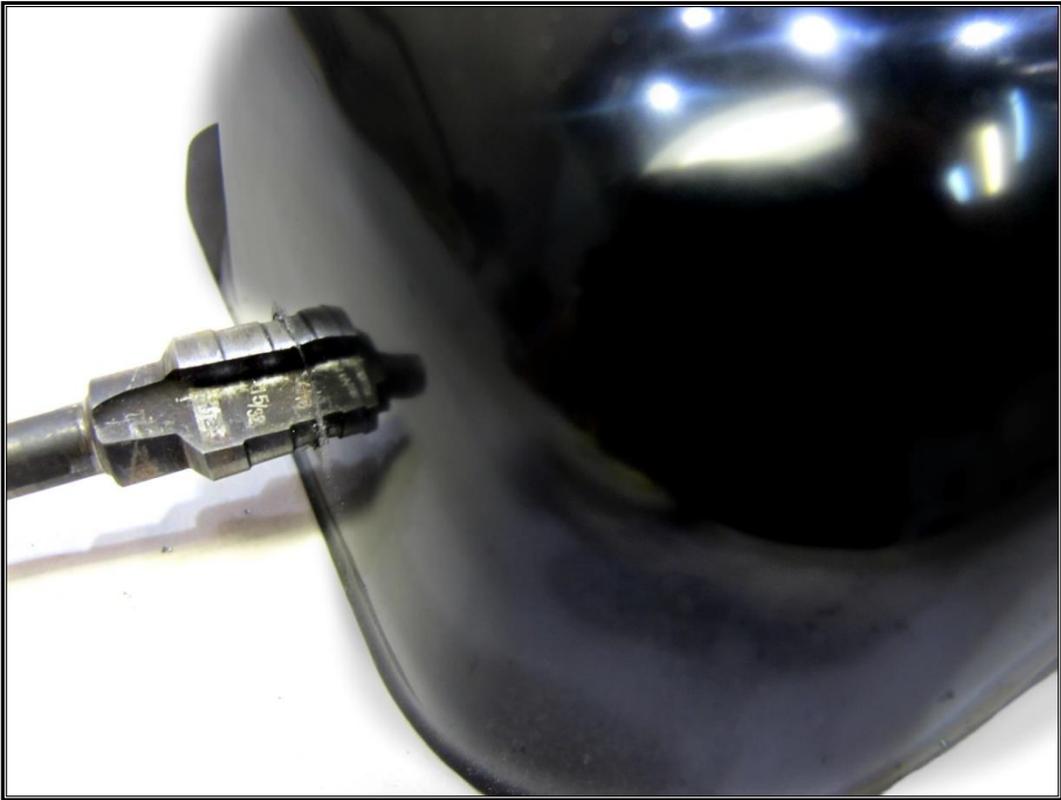
Step 31: Use a **#2 Philips-head screwdriver** to remove the three screws from windshield wiper cover.



Step 32: With the wiper motor cover on a workbench, measure about $\frac{1}{2}$ " from the bottom of the wiper motor cover, center, and drill a $\frac{1}{8}$ " pilot hole there.



Step 33: Use a $\frac{1}{4}$ in. – $\frac{3}{4}$ in. X $\frac{1}{16}$ in. #3 Step Drill Bit to bore out a hole that is $\frac{7}{16}$ " in diameter.



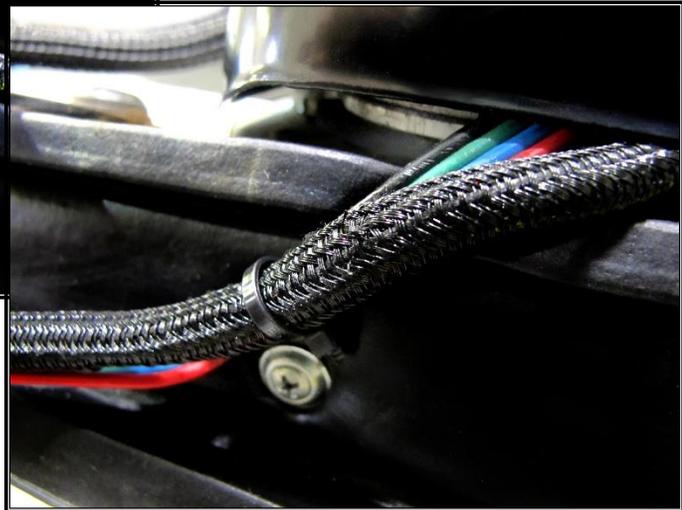
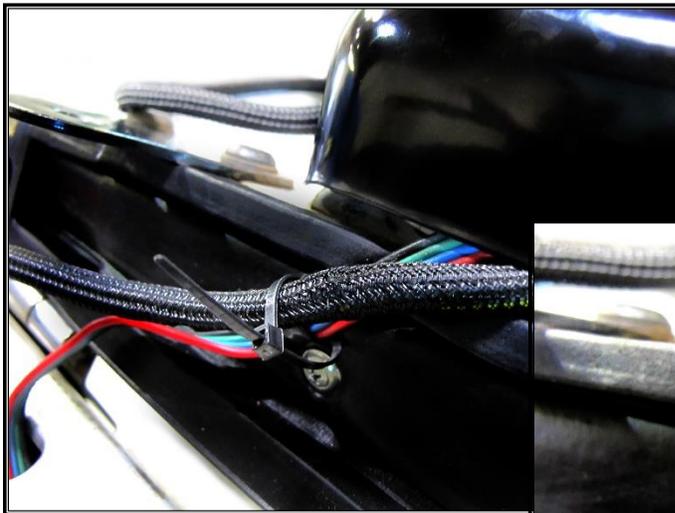
Step 34: Insert the $\frac{7}{16}$ " grommet from the parts kit. Then, run the end of the Switch Panel wires through the grommet.



Step 35: Route the Switch Panel wires along the wiper motor and reattach the cover.



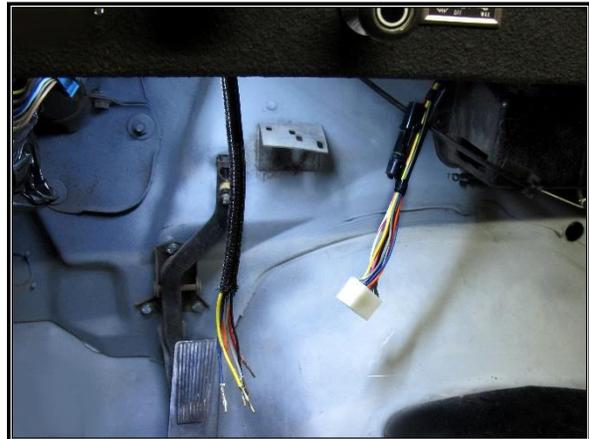
Step 36: The Switch Panel wires come out of the cover and run parallel to the wiper motor's wiring. Use a zip-tie to fasten the two together. This insures that the Switch Panel wires stay in place.



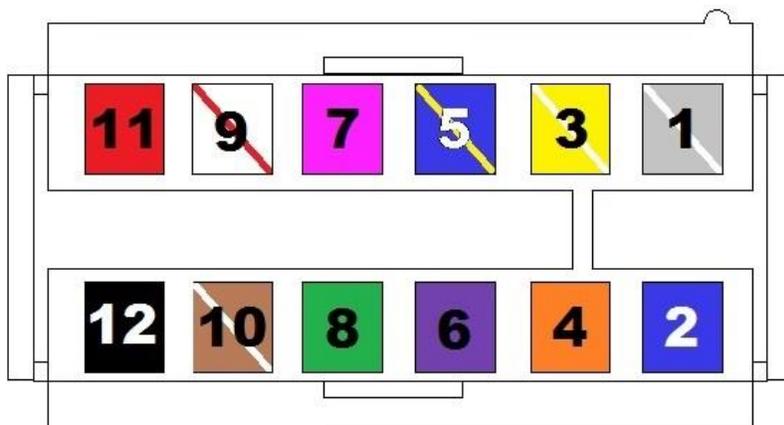
Step 37: Next, secure the loose ends of the **Switch Panel** wires with a piece of **masking tape**. This step is necessary to insure ease when feeding the wire through the dash on **Step 36**. Failing to tape the ends can cause the loose wires to catch on the internal structure of the dash.



Step 38: Again, follow the wiper motor wiring to a hole in the dash and feed the wire through here. Navigate the internal components of the dash so that the end of the bundle comes out on the right (passenger) side of the steering column. Then, remove the tape.

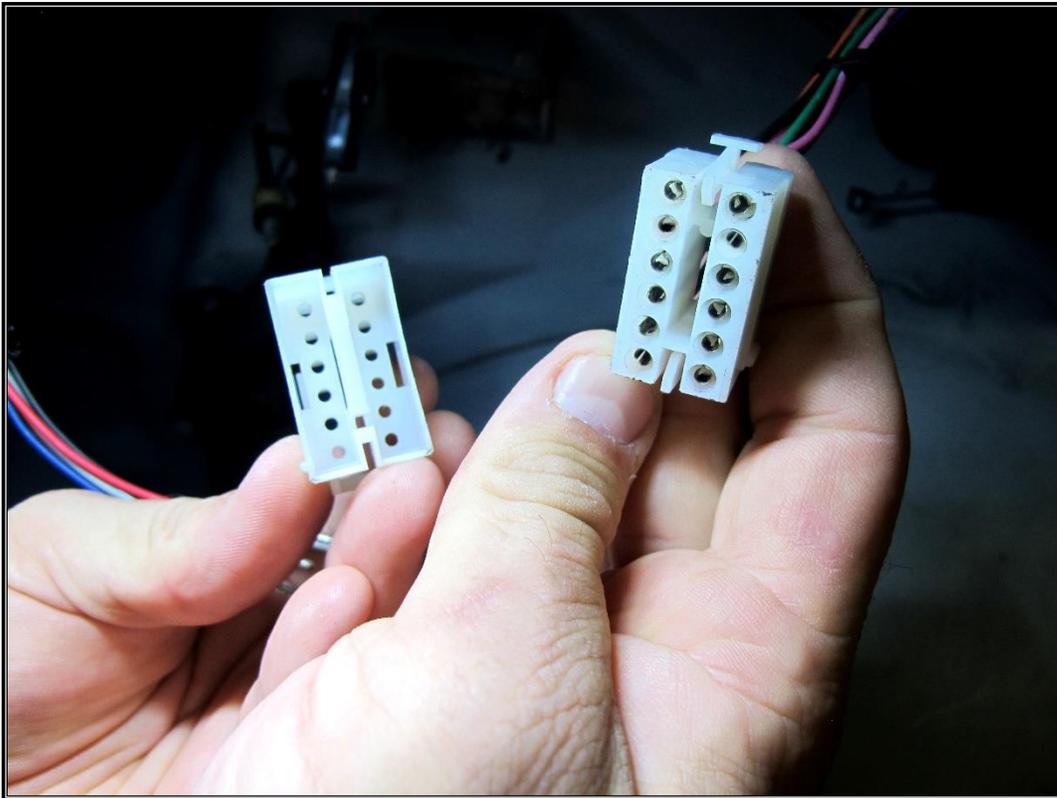


Step 39: It may help to familiarize yourself with the wiring diagram below before connecting the pins from the **Switch Panel** to the **12-pin connector shell** in **Step 40**.

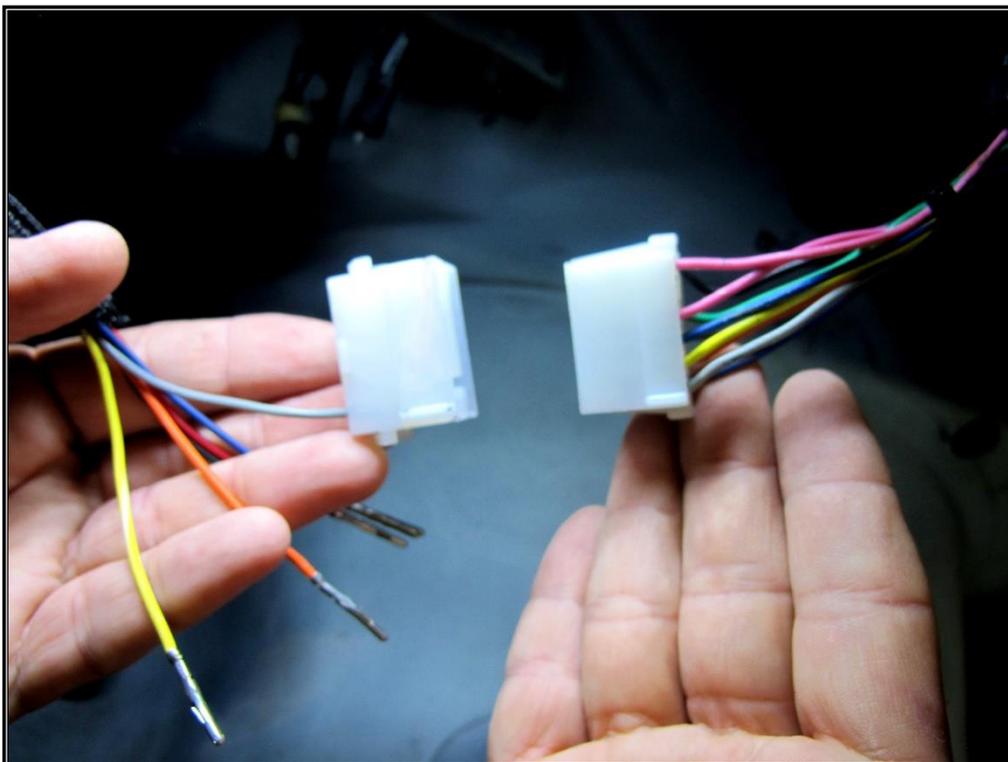


WIRE	FUNCTION
1 - Grey/White	Relay 1 Enable
2 - Blue	Relay 2 Enable
3 - Yellow/White	Relay 3 Enable
4 - Orange	Relay 4 Enable
5 - Blue/Yellow	Relay 5 Enable
6 - Purple	Relay 6 Enable
7 - Pink	Relay 7 Enable
8 - Green	Relay 8 Enable
9 - White/Red	Winch IN
10 - Brown/White	Winch OUT
11 - Red	Switch Power
12 - Black	Switch Ground

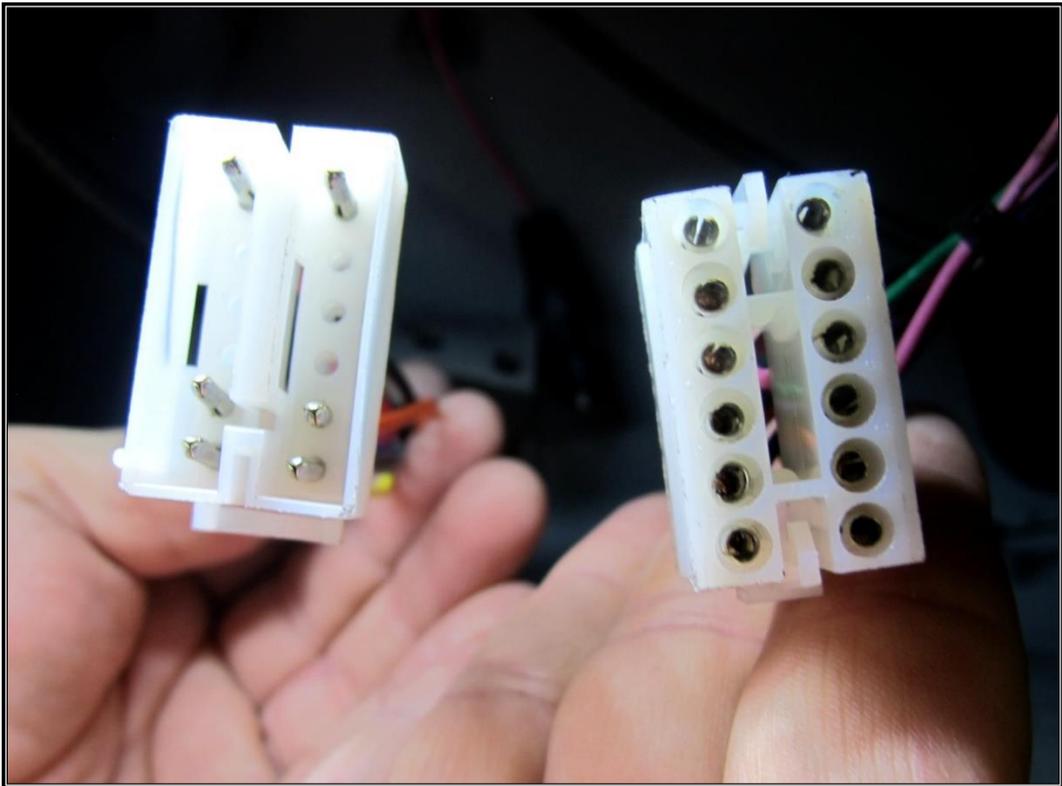
Step 40: Locate the **12-pin connector shell** included in the parts kit. Note the locating tab for orientation.



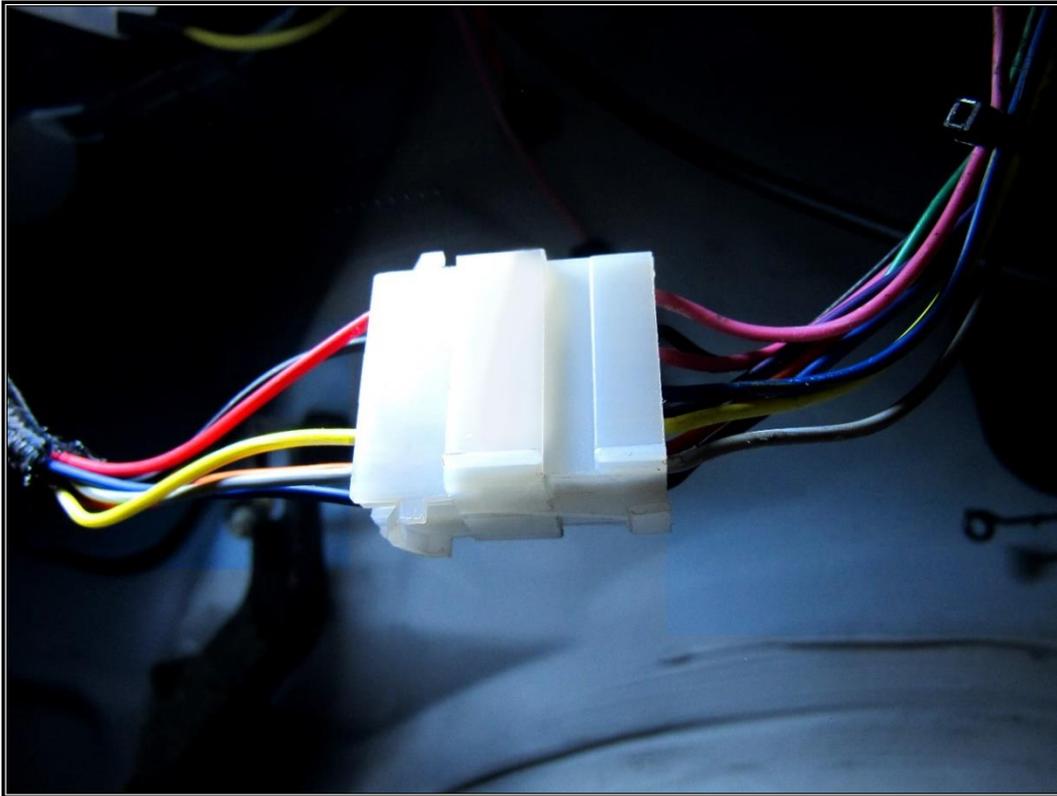
Step 41: Notice that the end of each wire has a pin crimped onto it. Insert these pins into the **12-pin connector shell**. **Make sure, while inserting the pins, that once connected the wire matches the one across from it.** Also, see the diagram on [page 29](#) for a diagram illustrating the connections.



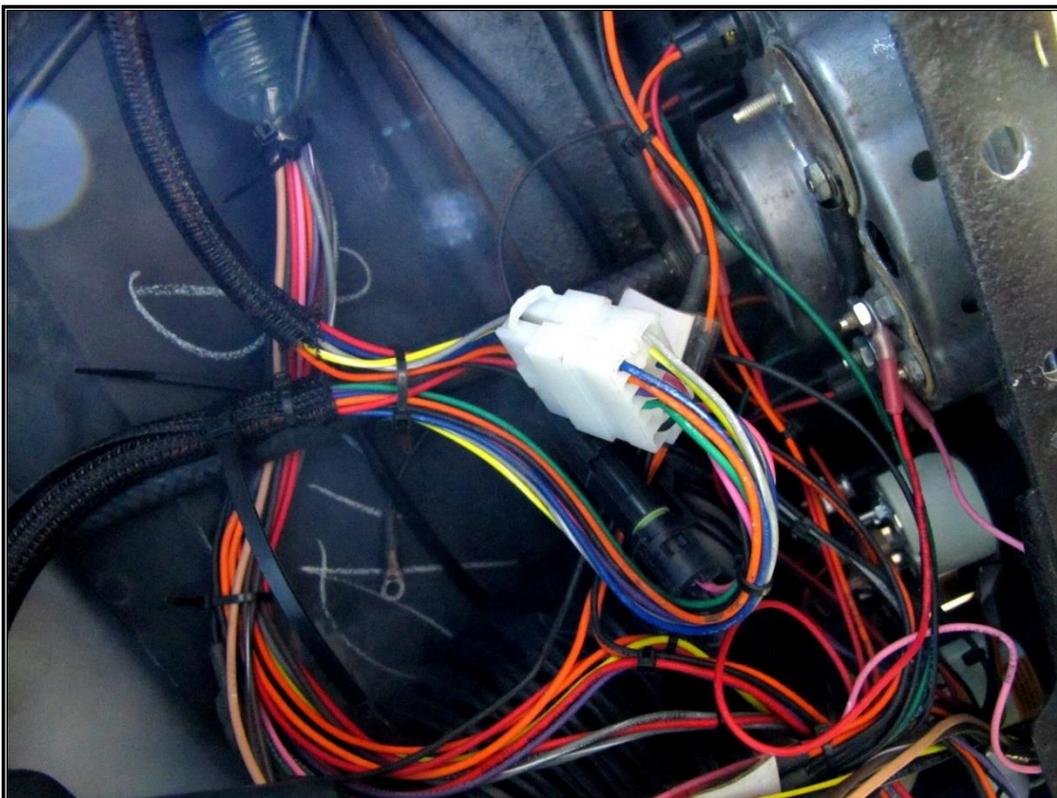
Step 42: Once completed, the connector should appear as it does below.



Step 43: Link the two connectors and join the wiring harness from the Switch Control wires to the Switch Panel wires.

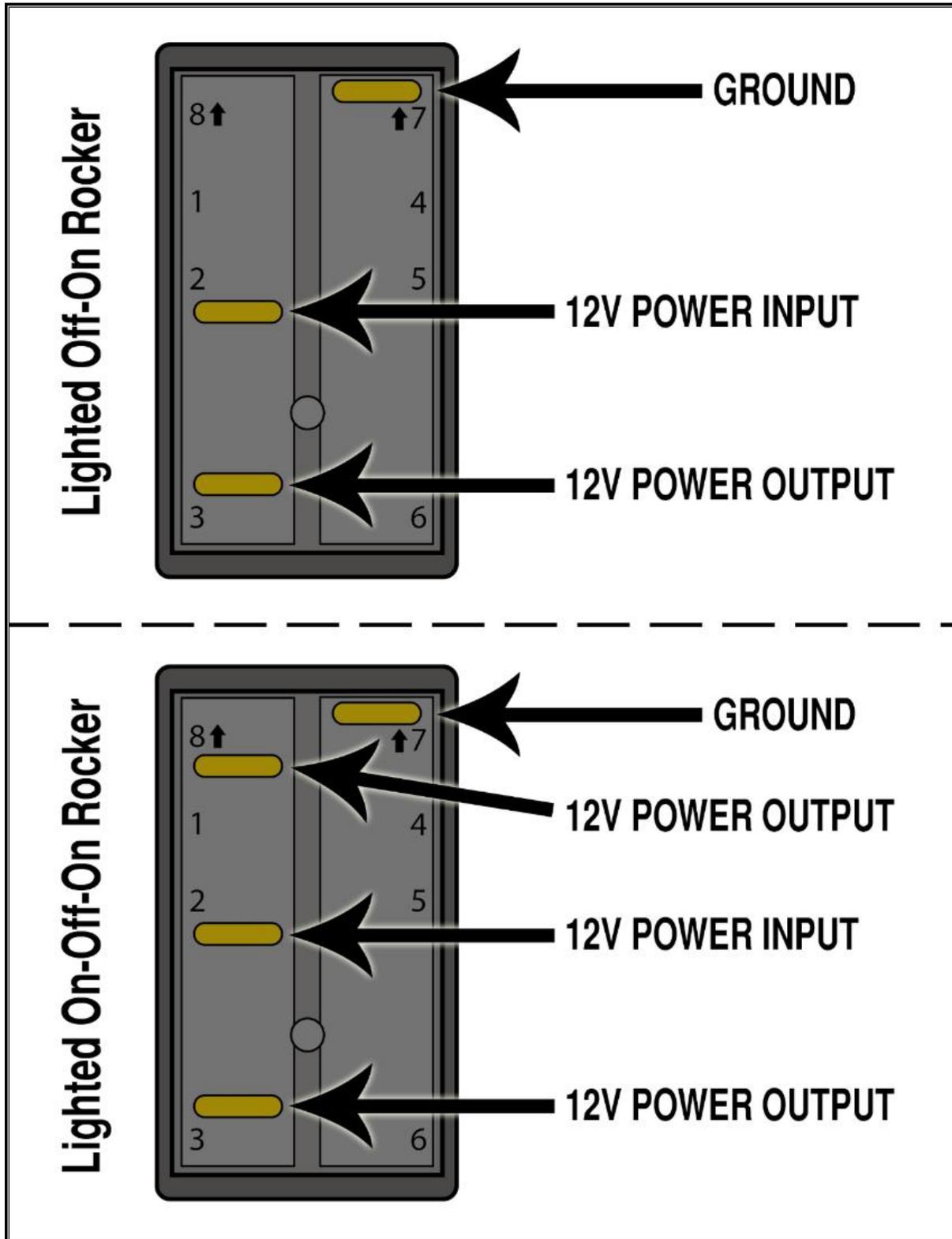


Step 44: Use zip-ties to secure the wires up under the dash and out of the way.



SWITCH WIRING

The lighted rocker switches included in your kit are wired as shown in the diagram below.

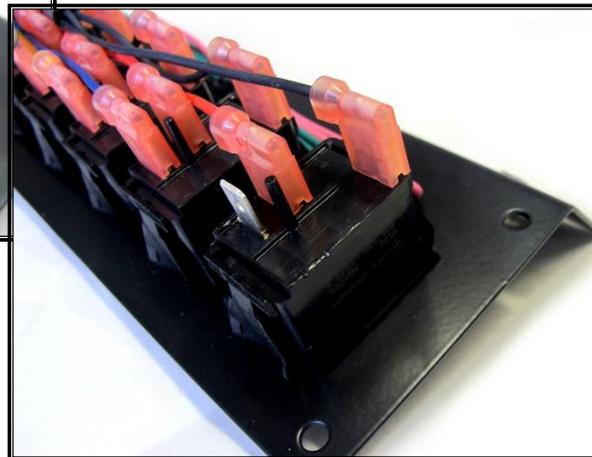
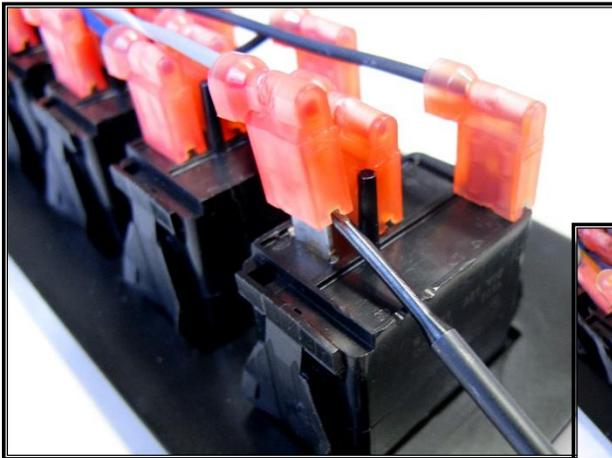


DOUBLING SWITCH CONTROL WIRES

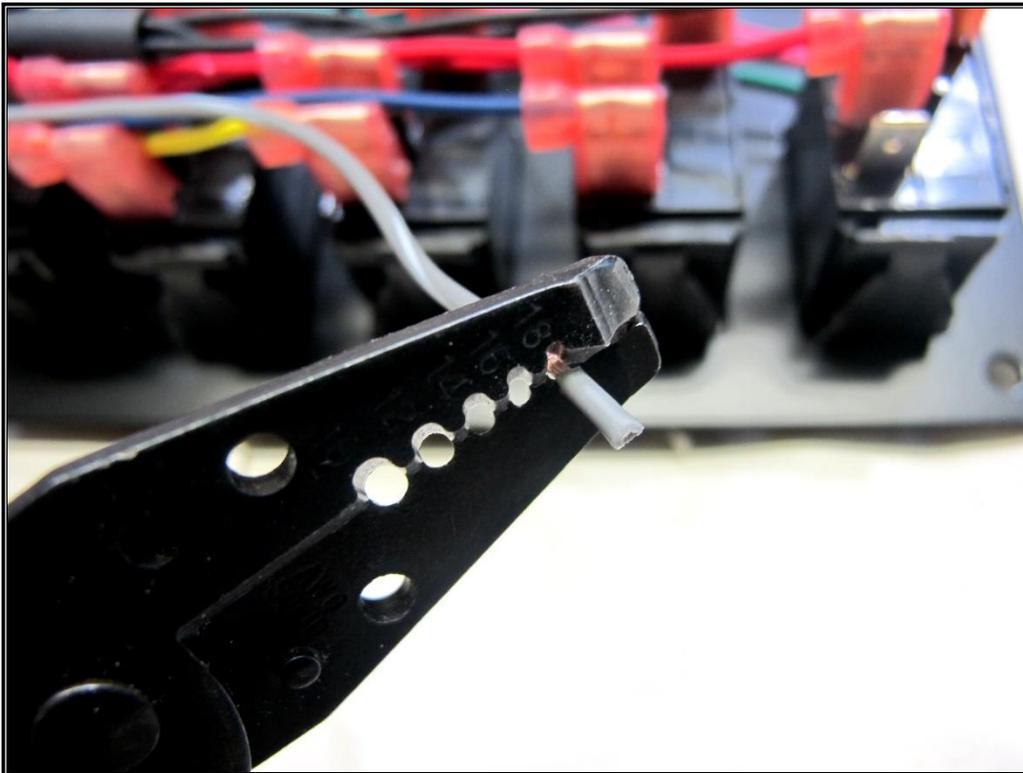
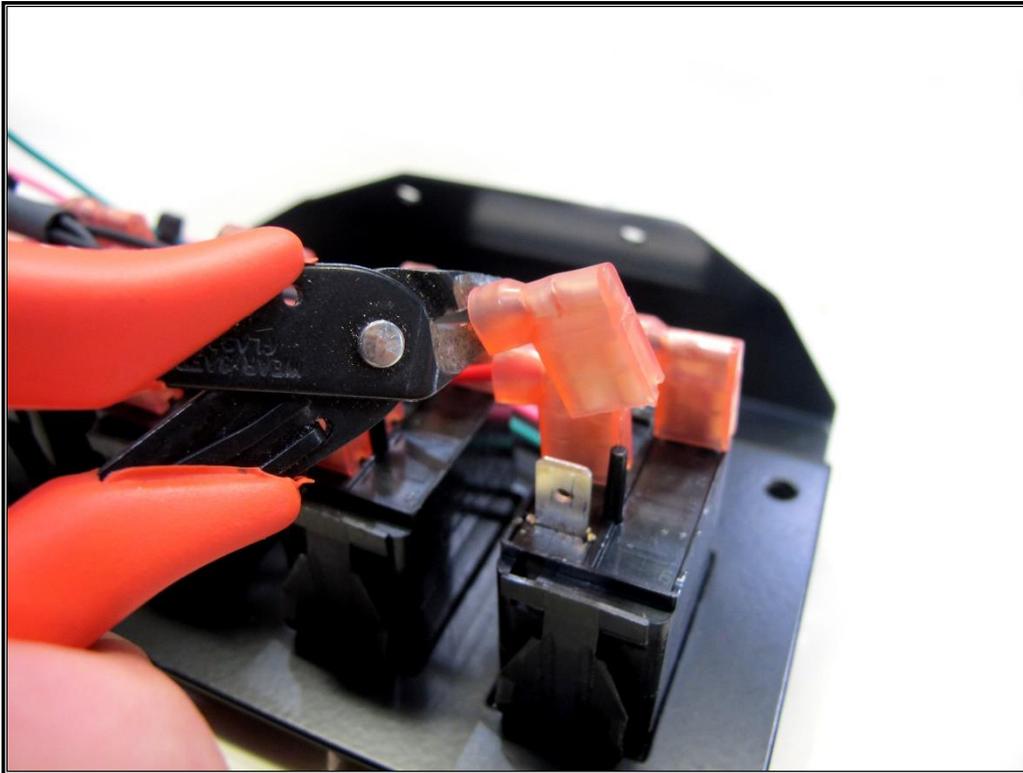
Steps 45 – 48 are optional and only for those who wish to control multiple functions for one switch. Provided in the kit are some 16ga. – 14ga. terminals, similar to those shown below.



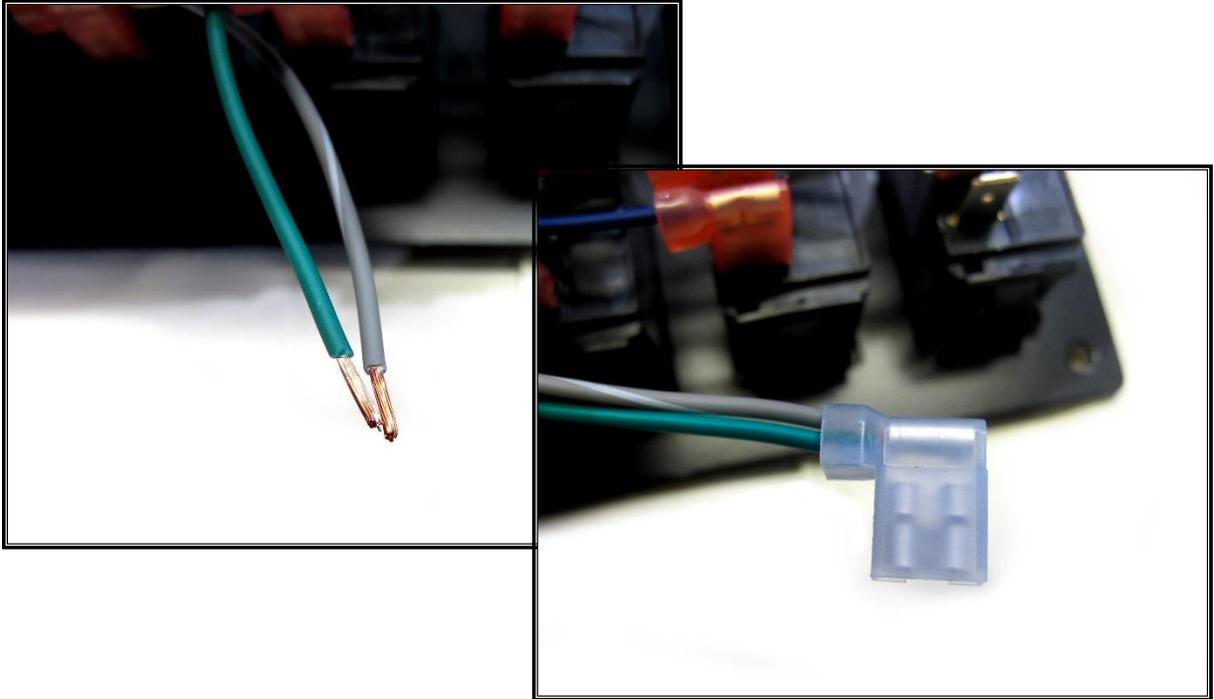
Step 45: Choose which switch you want to control multiple functions with, and disconnect the existing Switch Panel wire from the terminal on the bottom of the switch (**terminal #3**).



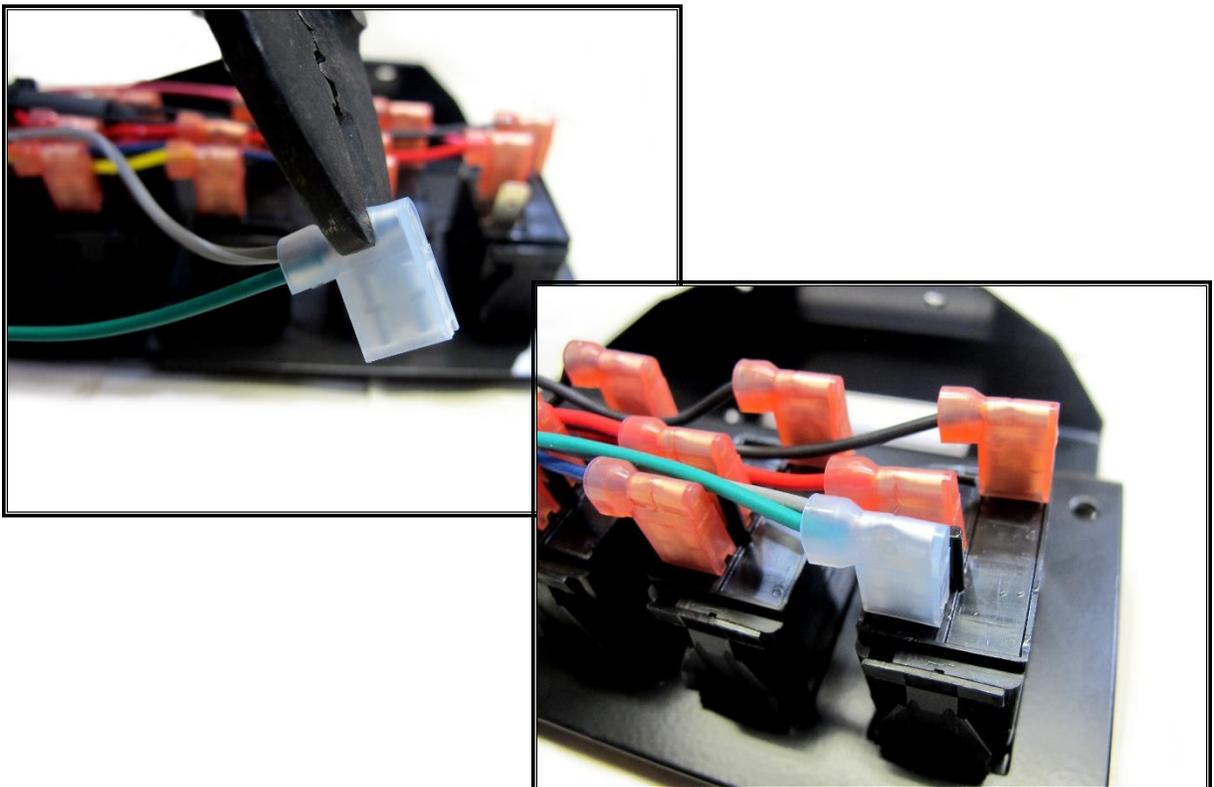
Step 46: With the **Switch Panel** wire removed from the switch, cut off the terminal, and strip the wire $\frac{1}{4}$ ".



Step 47: Take the **Switch Panel** wire you just stripped and one of the additional **Switch Panel** wires; then slide them together into a **16-14 ga. terminal** provided in the included parts kit.



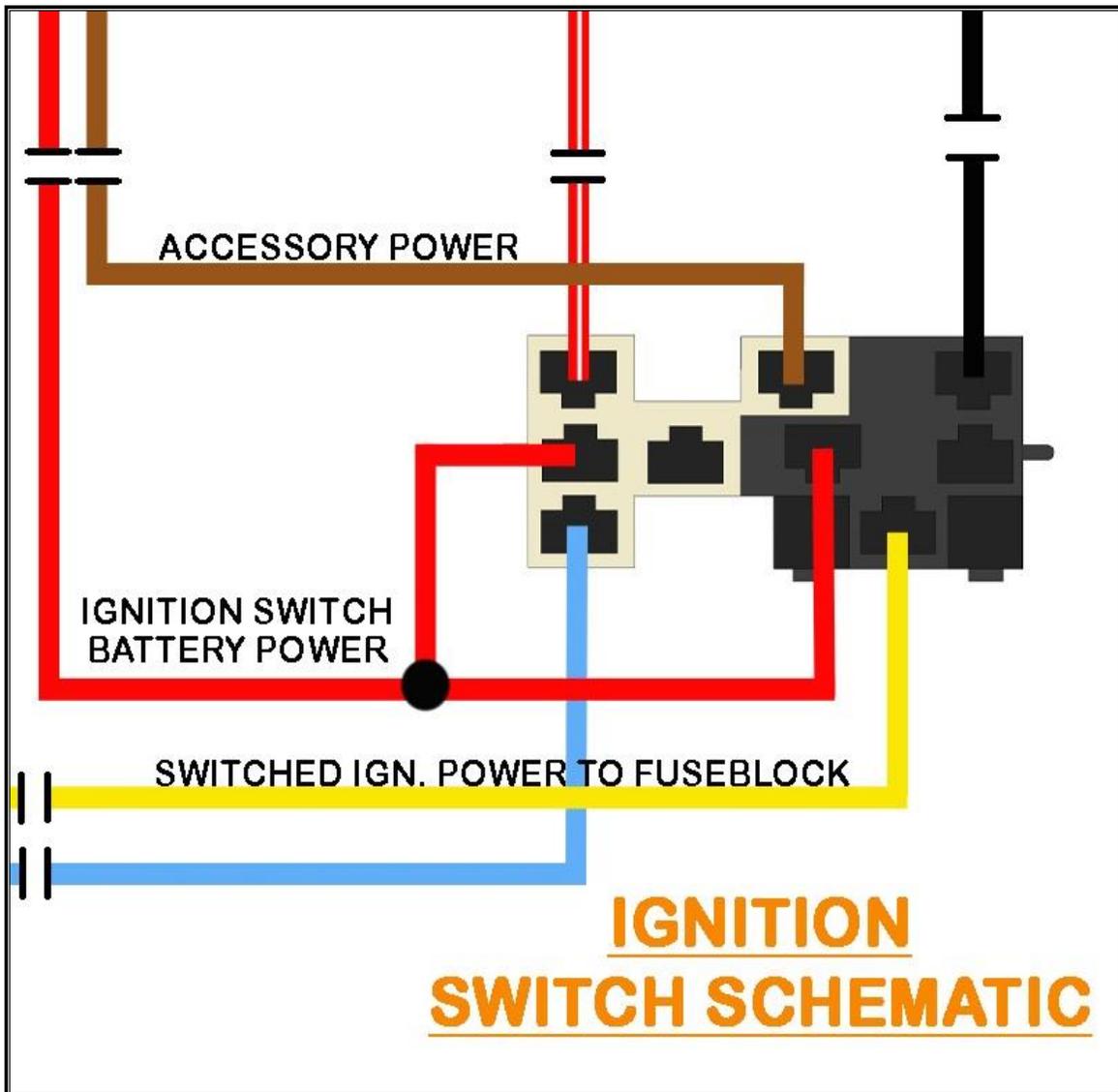
Step 48: With both wires inside, crimp the terminal, and reconnect the doubled **Switch Panel** wires to the switch.



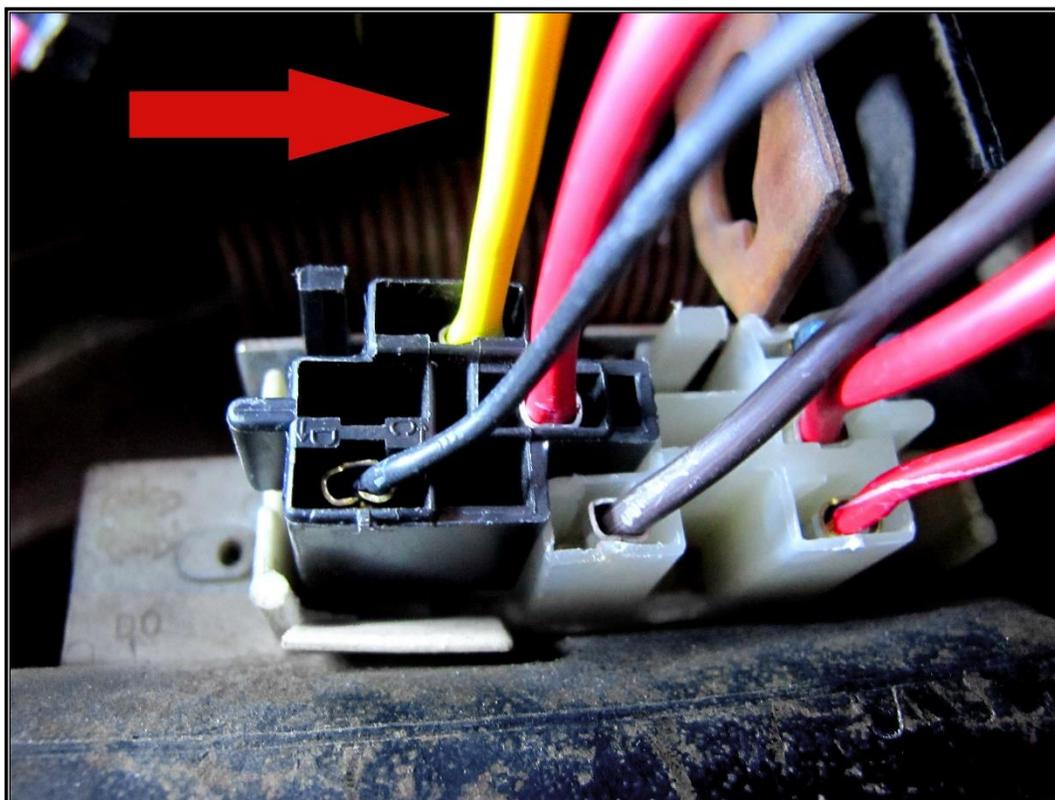
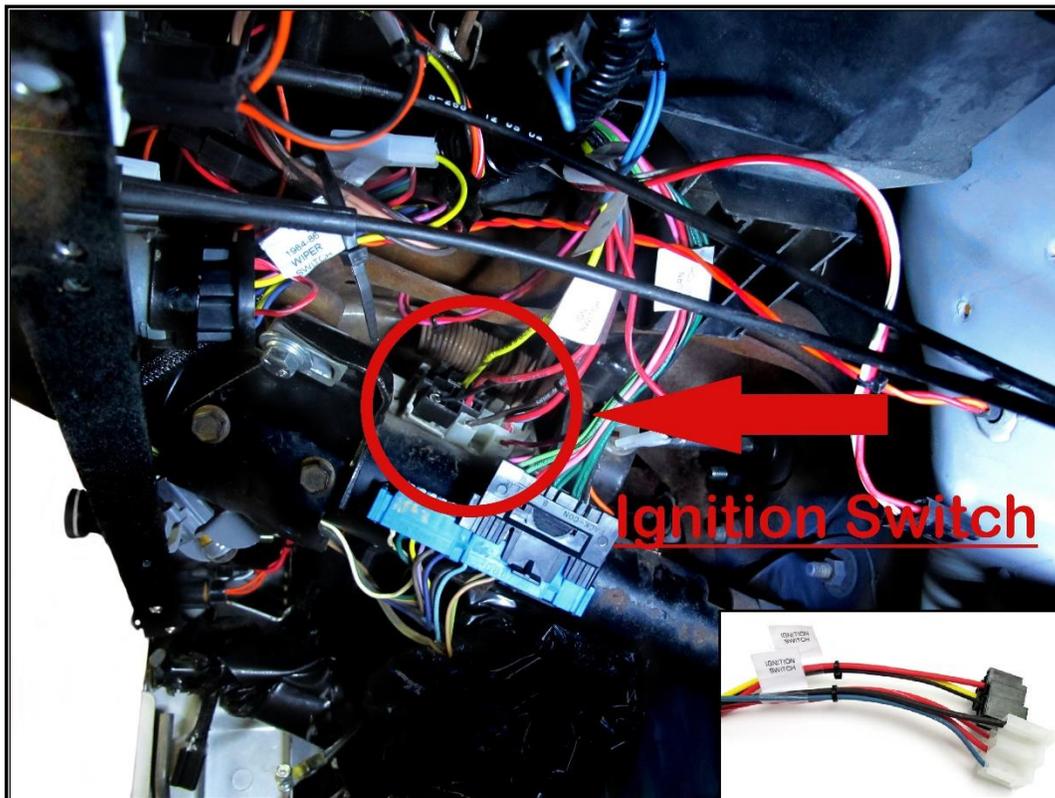
IF YOU WANT TO OPERATE YOUR SWITCHES WITH A CONSTANT POWER (AS SHIPPED), SKIP STEPS 49 - 57. THESE STEPS ILLUSTRATE HOW TO HOOK UP YOUR TRAIL ROCKER TO IGNITION SWITCHED POWER AND ARE COMPLETELY OPTIONAL.

IGNITION SWITCH CONNECTOR INSTALLATION

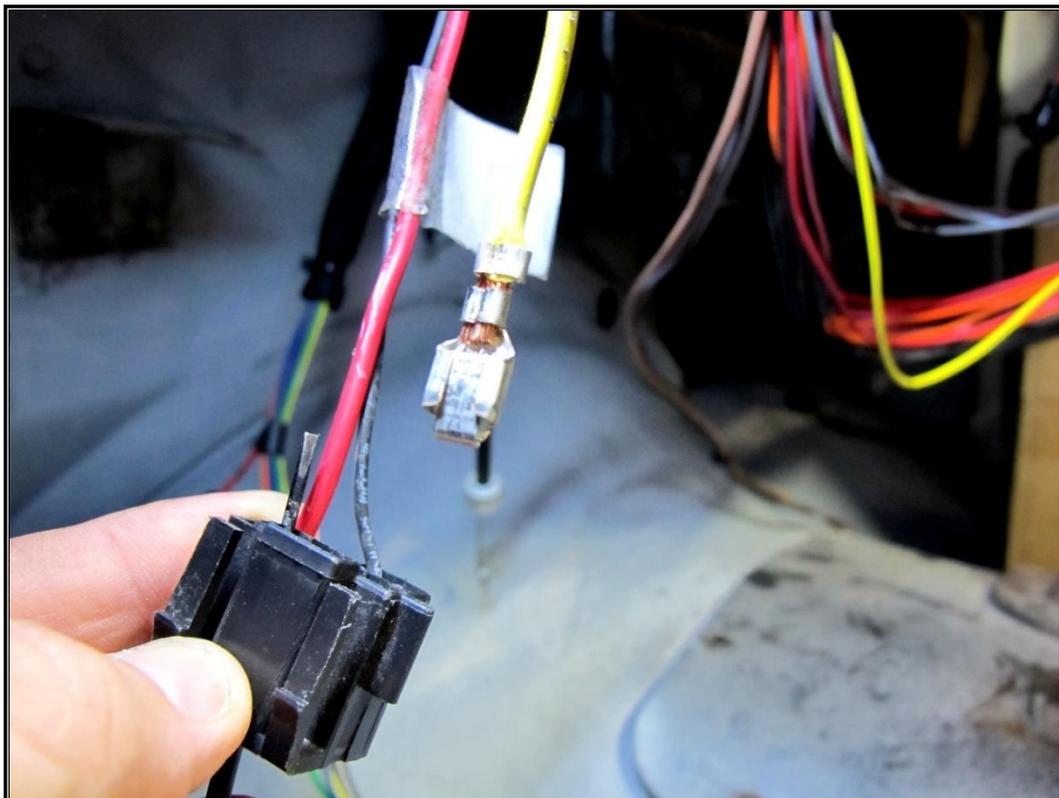
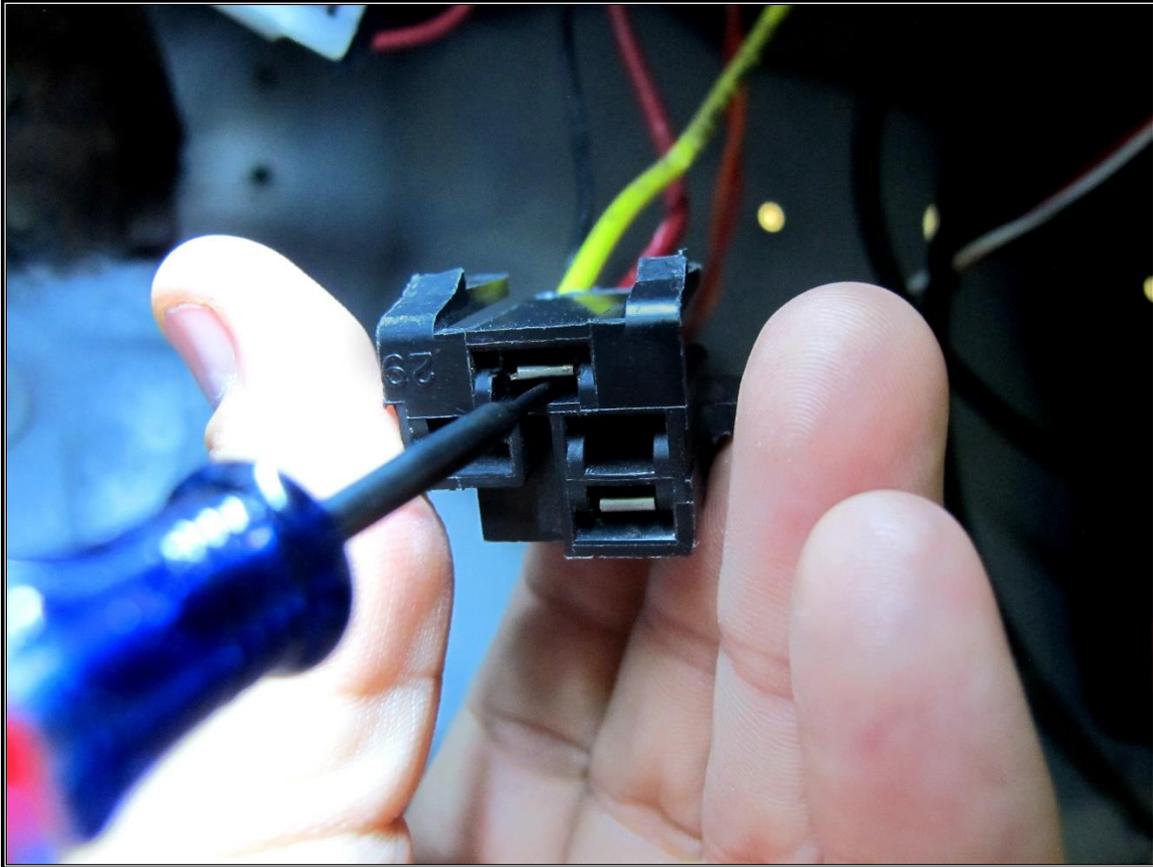
Step 49: It will help to familiarize yourself with the *Ignition Switch Schematic* below.



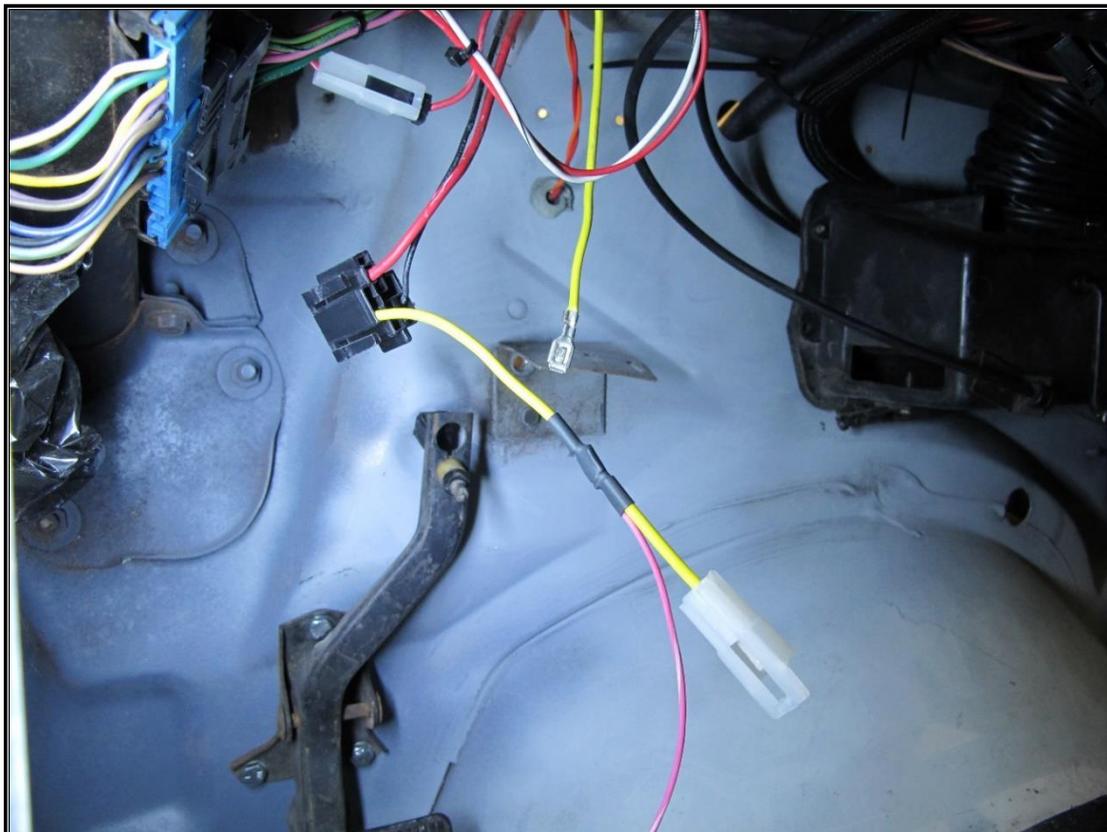
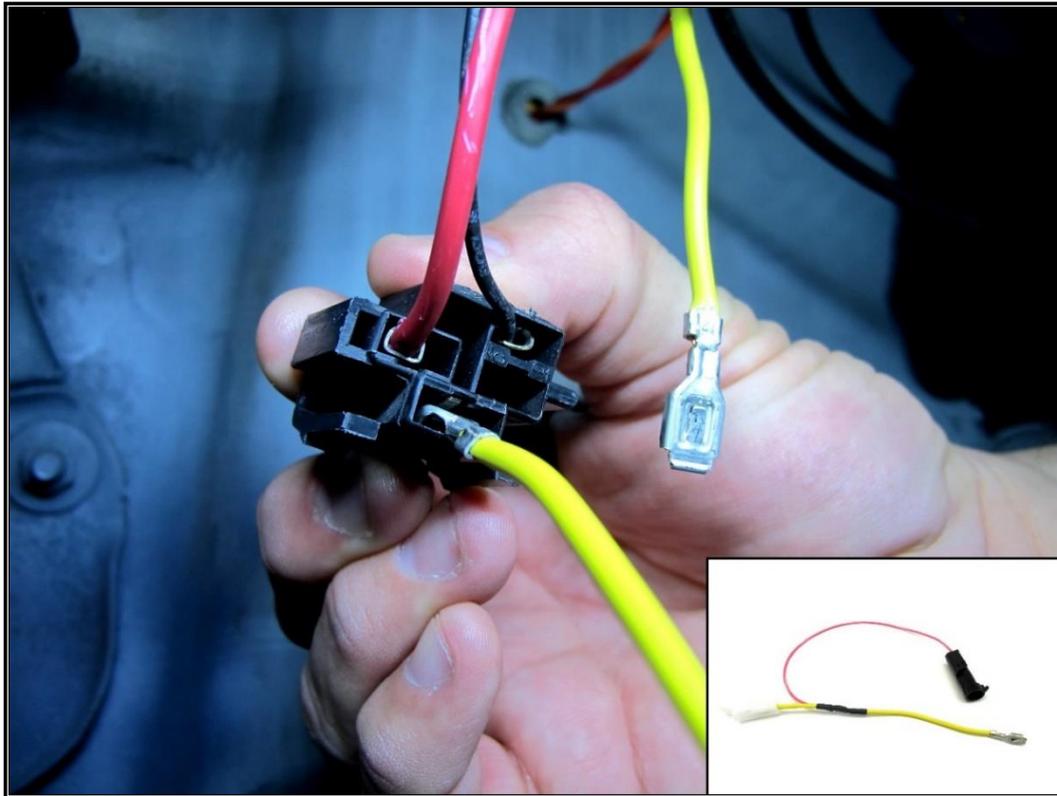
Step 50: Then, locate your vehicle's ignition switch on the steering column and the **YELLOW**, switched, ignition power wire. In this example the **YELLOW** wire, is plugged into the **BLACK** connector. These connectors may vary between model years and package options.



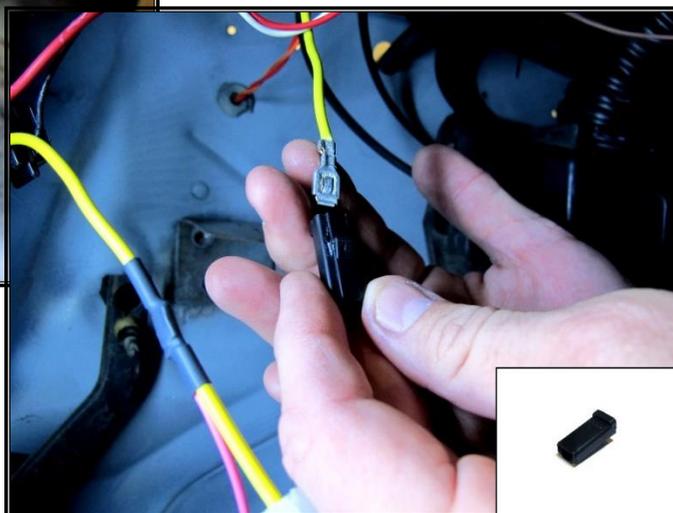
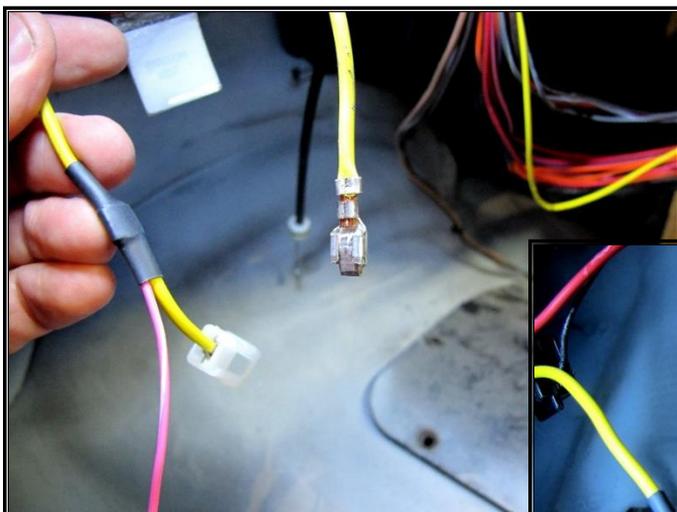
Step 51: Use a #0 “Jewelers,” flat-head screwdriver to unplug the BLACK connector from the ignition switch and remove the terminal of the wire from the connector.



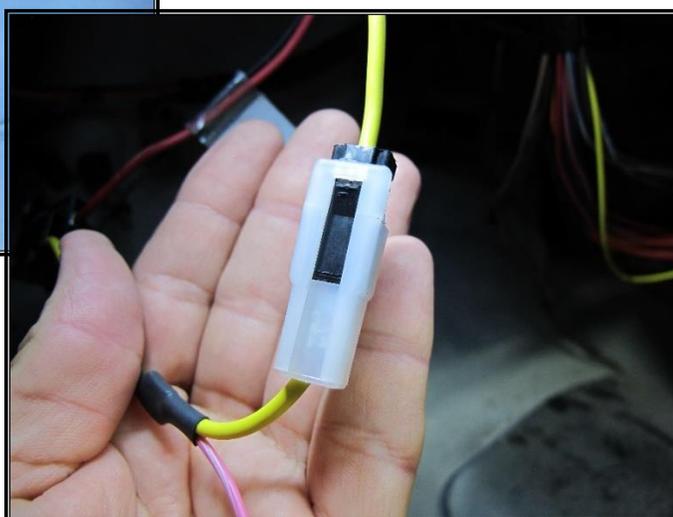
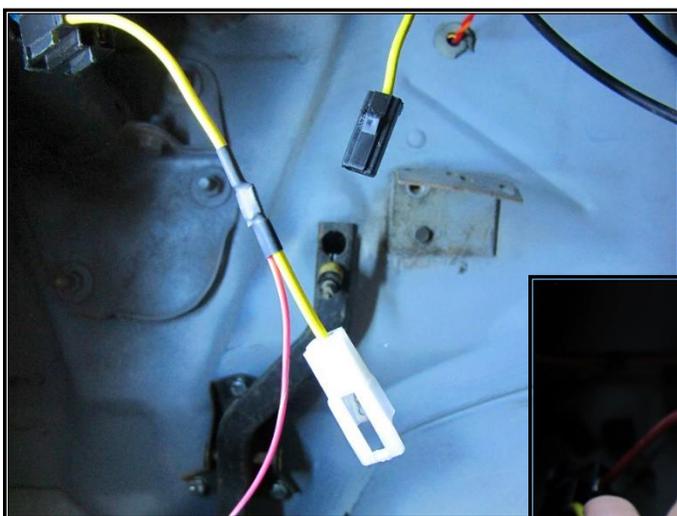
Step 52: Locate the **ignition pigtail** included in your kit. Insert the exposed terminal from the **ignition pigtail** into the slot on the factory connector that you removed the switched, ignition power wire from.



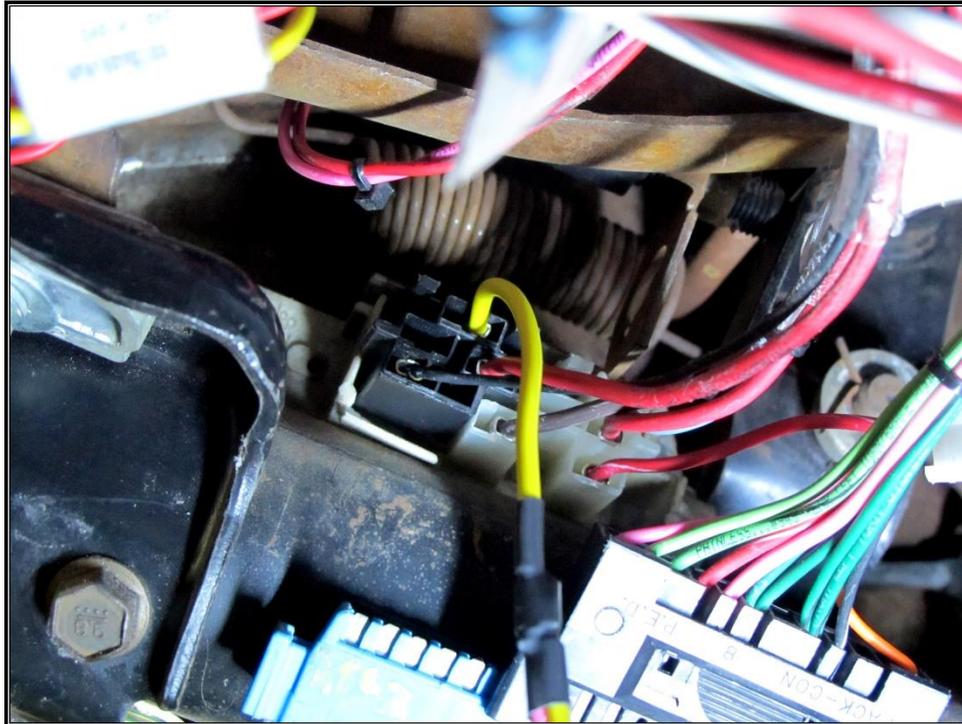
Step 53: Locate the switched, ignition power wire you removed from the factory connector in **Step 50**. Insert the terminal into the black, single-wire connector included in your **Trail Rocker Kit**.



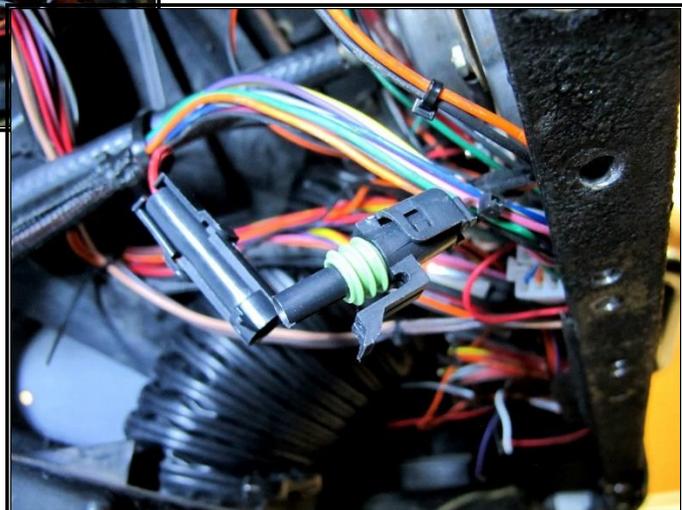
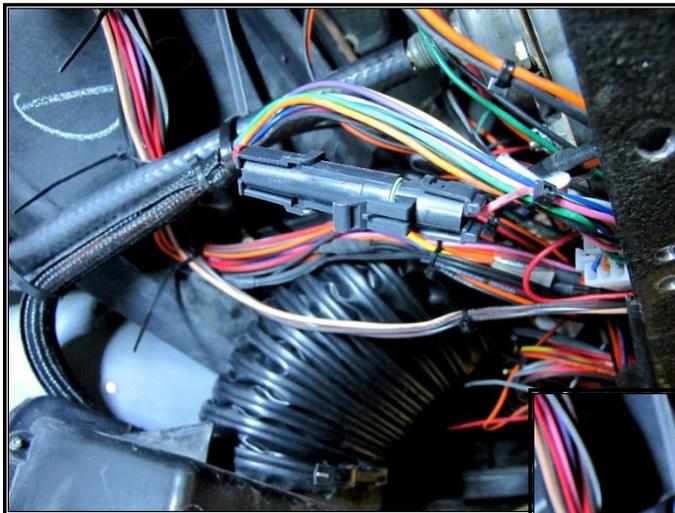
Step 54: With the connector installed on the switched, ignition power wire, plug it into the **ignition pigtail**.



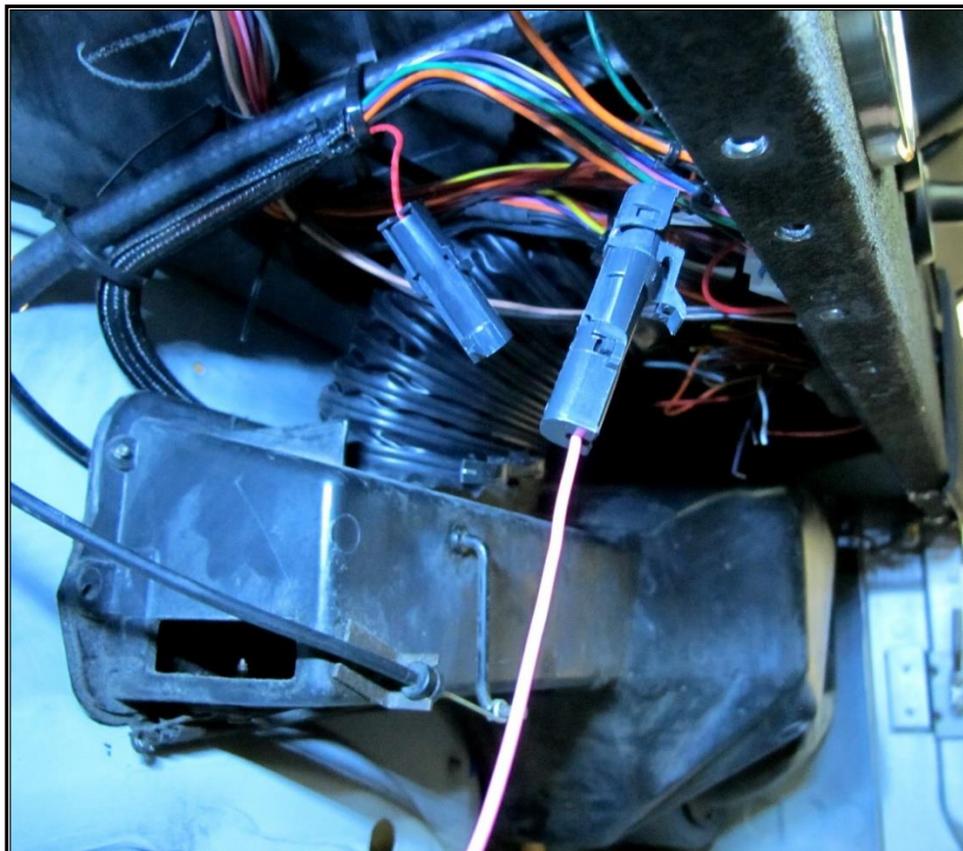
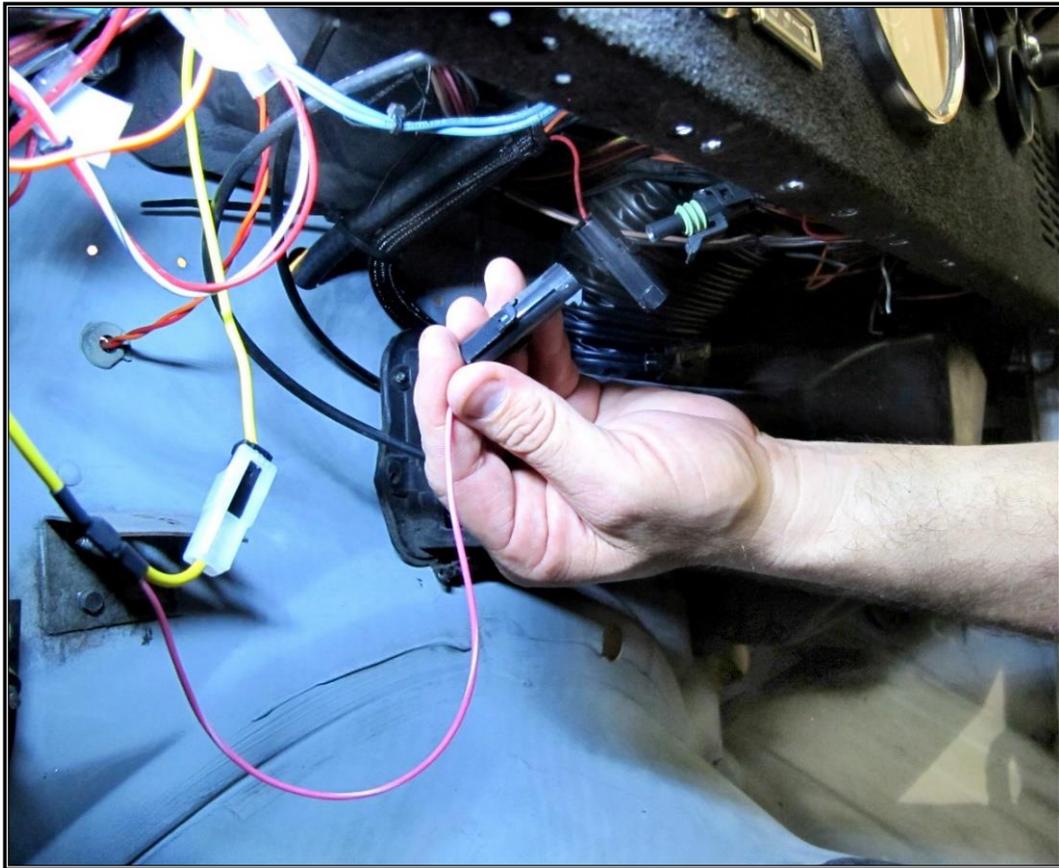
Step 55: Recouple the connector to the ignition switch.



Step 56: Locate the **weather-pack connector** on the harness and remove the cap to expose the male connector.

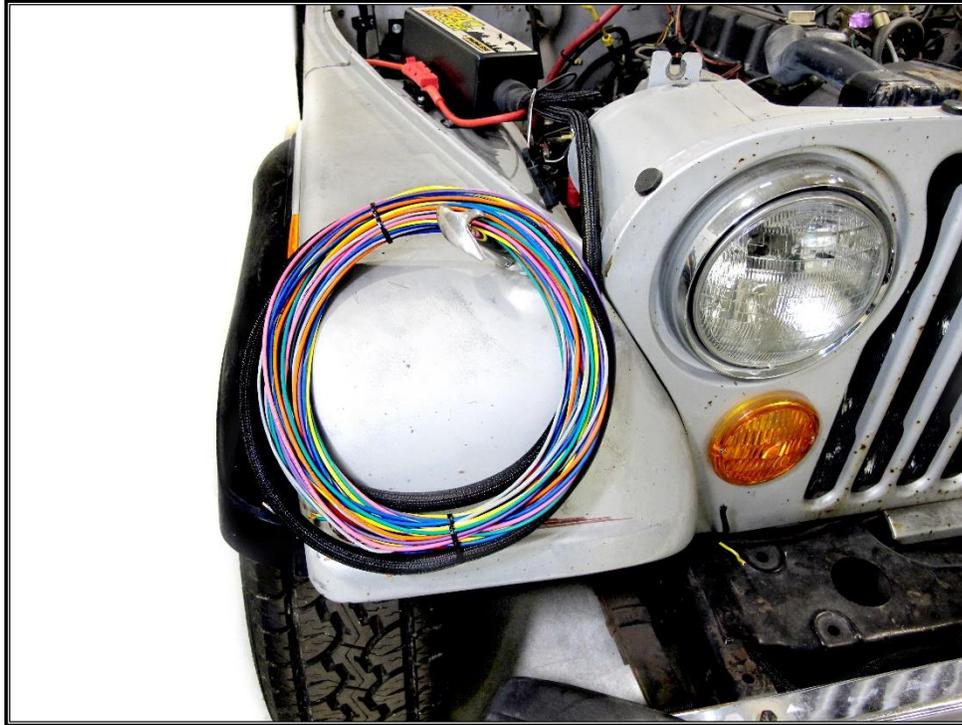


Step 57: Connect the pink wire from the **ignition pigtail** to the **weather-pack connector**, secure the wires up out of the way with a provided **zip-tie**. This completes the installation of your new Trail Rocker Kit.

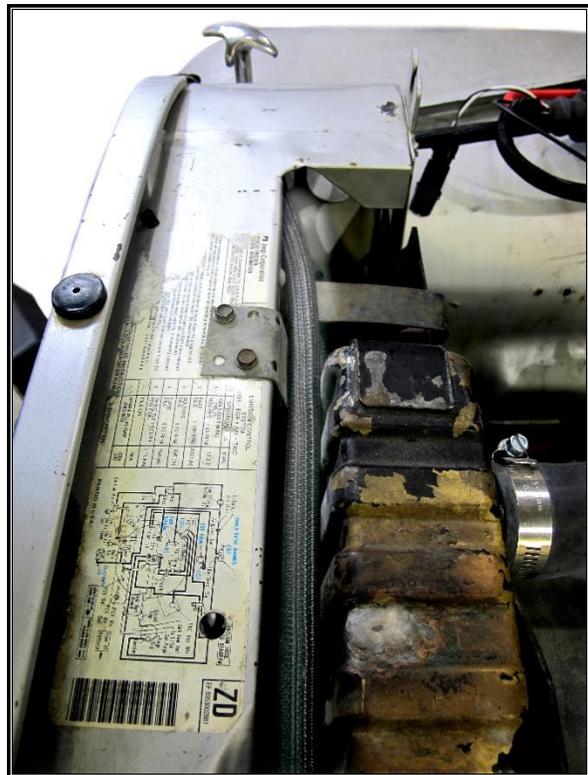
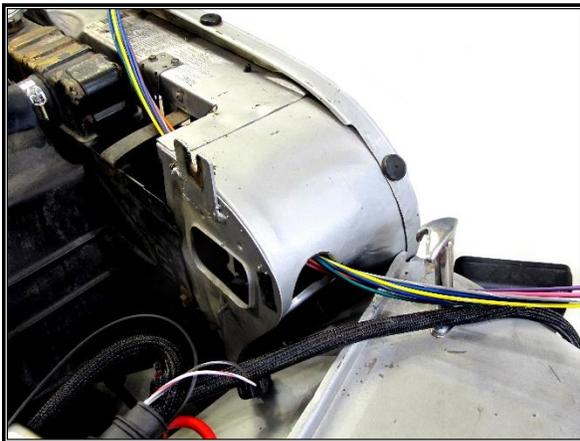


RELAY OUTPUT WIRES

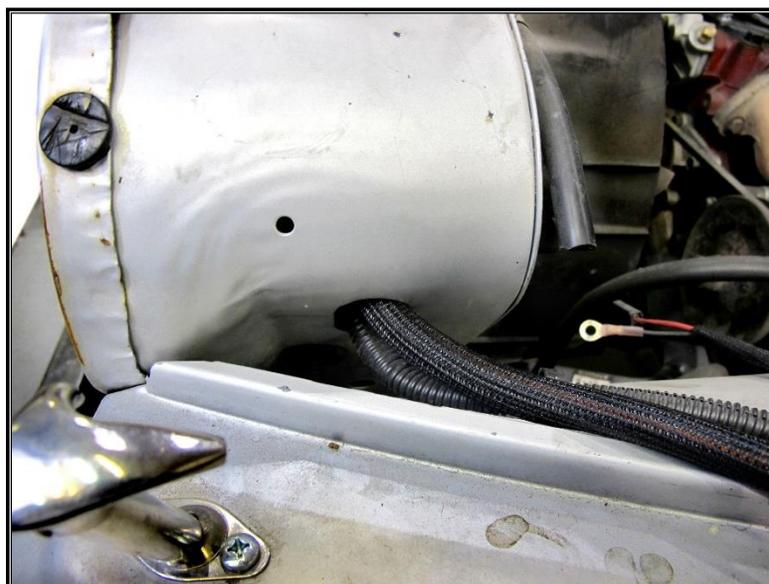
Step 58: Locate the Relay Output wires.



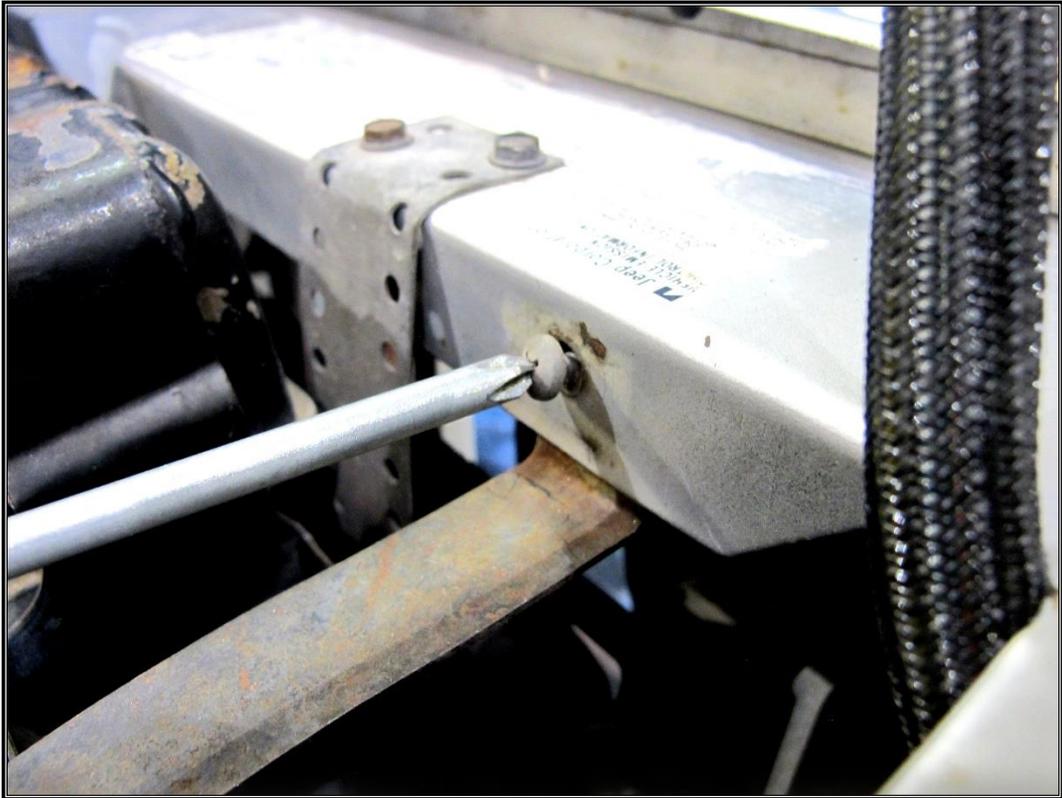
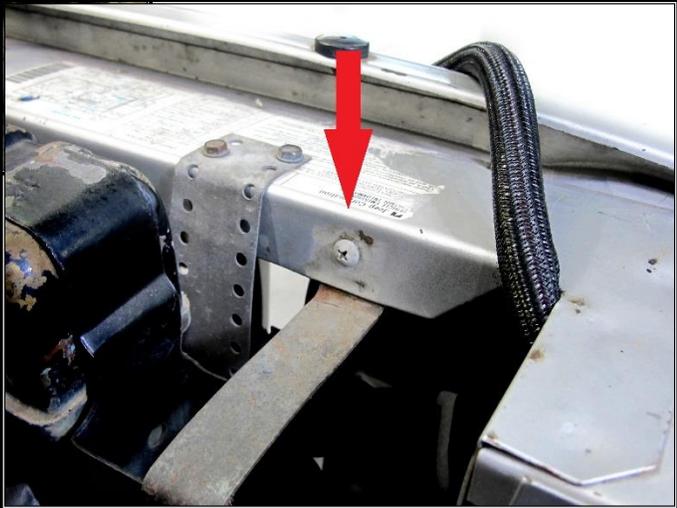
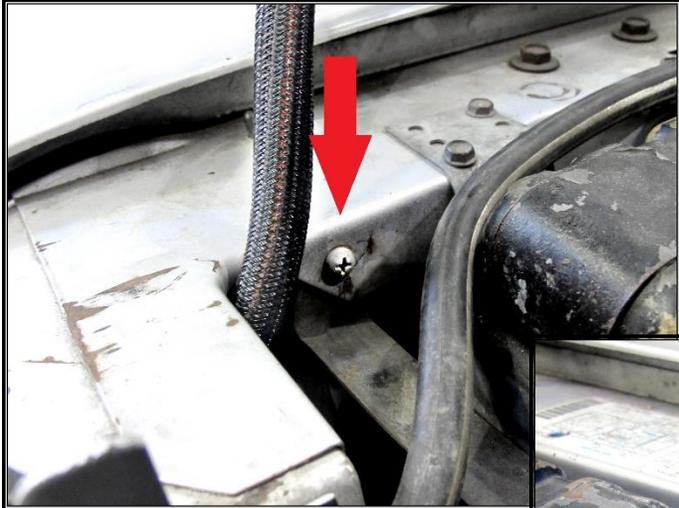
Step 59: Rout the Relay Output wires through the grill and in front of the radiator.



Step 60: Continue to run the Relay Output wires along the radiator and through the other side of the grill.



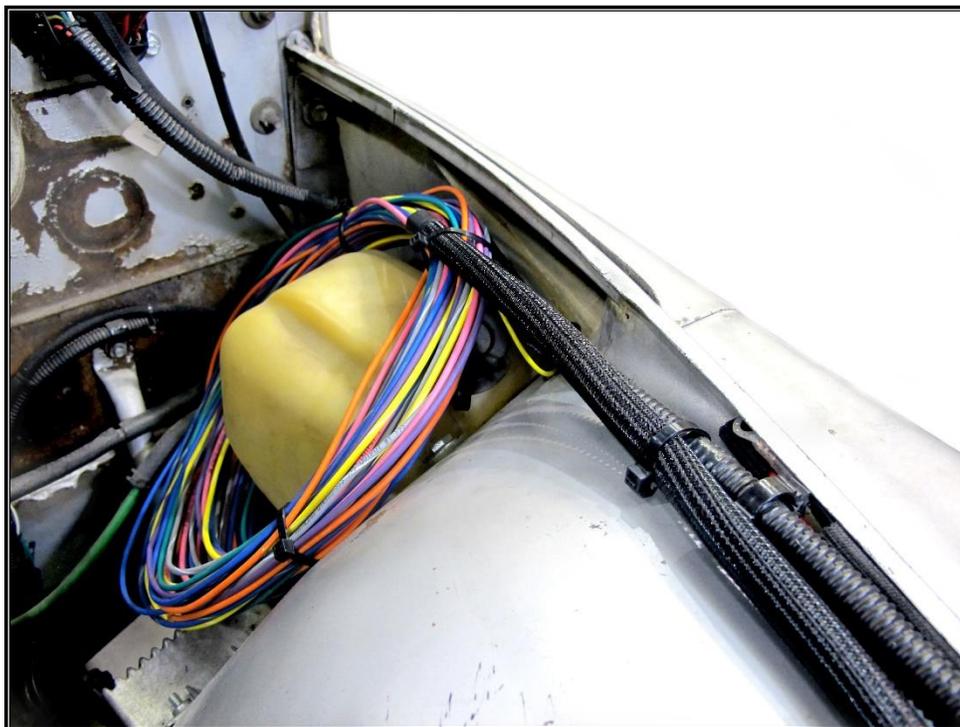
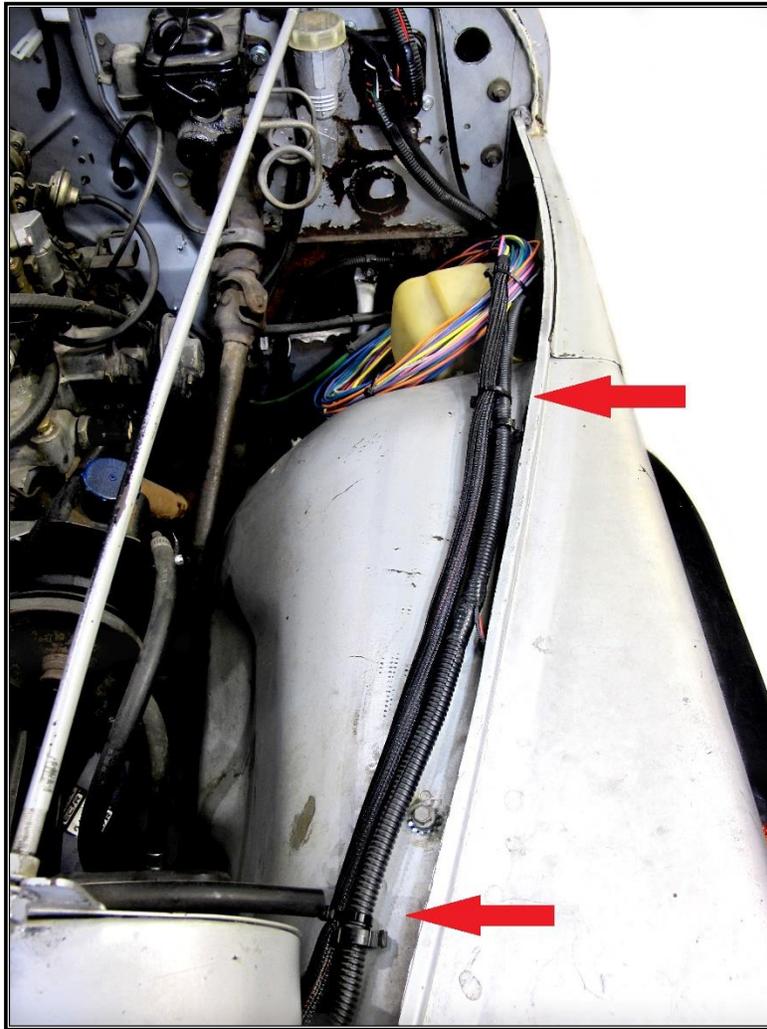
Step 61: Locate the 2 support brackets running from the grill to the fan shroud and remove the screws attaching them to the grill.



Step 62: Locate (2) $\frac{3}{4}$ " Adel clamps from the included parts kit. Slide the clamps over the **Relay Output** wires and attach them to the grill using the screws you removed in the previous step.

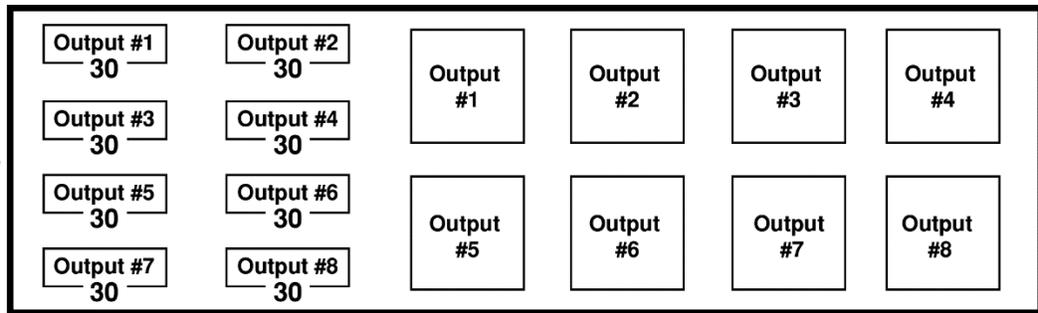


Step 63: Route the remainder of the bundle back toward the firewall, and zip-tie it to the factory wiring. Then, zip-tie and stow away any unused wires as neatly as possible.



Output Wire Colors:

Output 1: Grey/White
Output 2: Blue
Output 3: Yellow/White
Output 4: Orange
Output 5: Blue/Yellow
Output 6: Purple
Output 7: Pink
Output 8: Green



Route these wires to the location of your components. Ensure to route them safely, and avoid high heat areas, moving parts, and sharp edges. Painless recommends using grommets for any wires passing through metal to avoid wearing through the wire insulation and causing arcing. Make sure any accessories and/or components you install are properly grounded.

See **Steps 64 - 67** starting on [page 50](#) for a common example on connecting the **Relay Output wires** to most accessories.

Relay Output Wire Color Diagram:

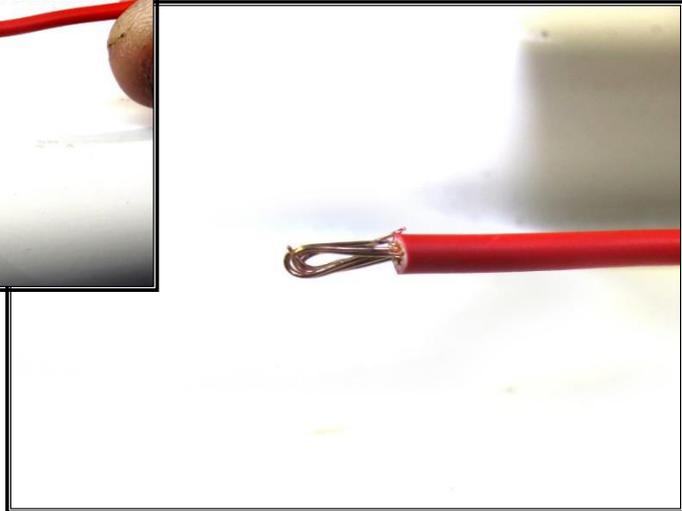
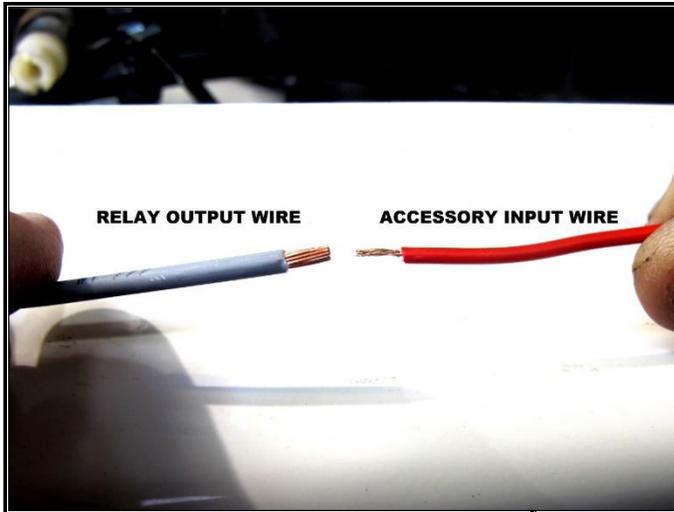
- Switch #1: Grey/White
- Switch #2: Blue
- Switch #3: Yellow/White
- Switch #4: Orange
- Switch #5: Blue/Yellow
- Switch #6: Purple
- Switch #7: Pink
- Switch #8: Green

Winch Control wires:

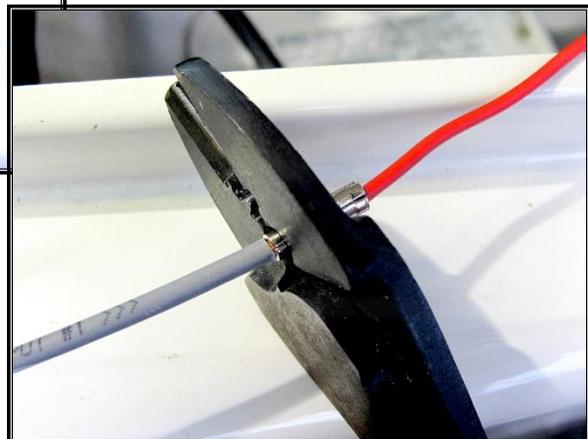
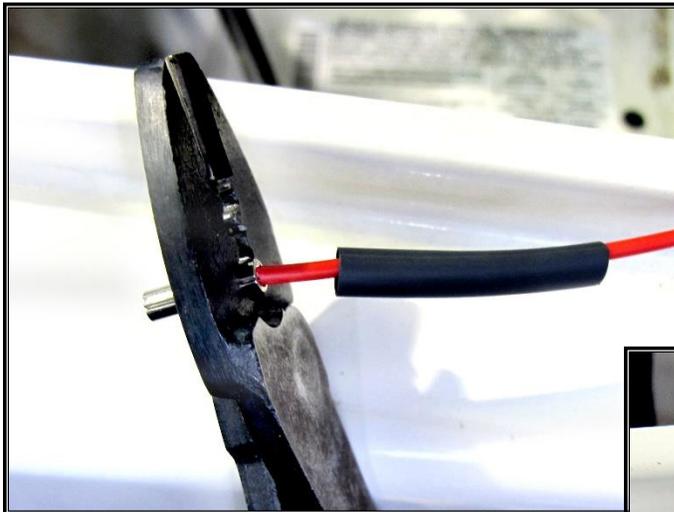
- Winch Control In: White/Red
- Winch Control Out: Brown/White

OPTIONAL: If you wish to double the **Switch Panel wires** on a single switch, thus allowing you to control two accessories with one switch, then see **Steps 45 - 48** for a step-by-step tutorial on achieving this. For winch switch installation, see [page 52](#).

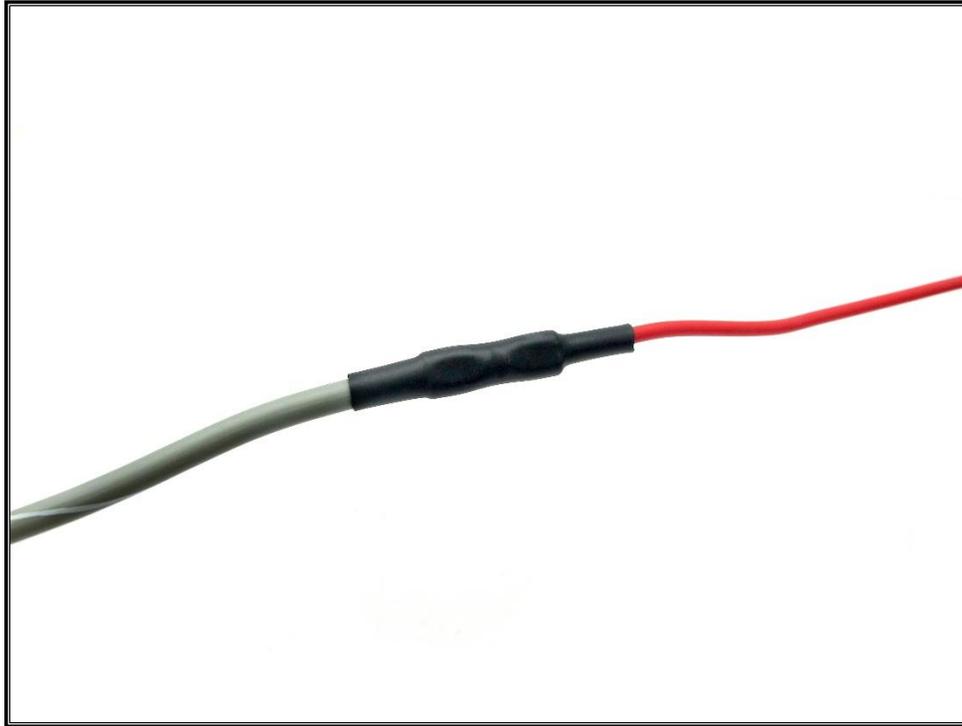
Step 64: Locate the **Relay Output wire** you wish to use. Then, locate the **input wire** on the accessory you are installing. Double up the accessory's input wire if necessary.



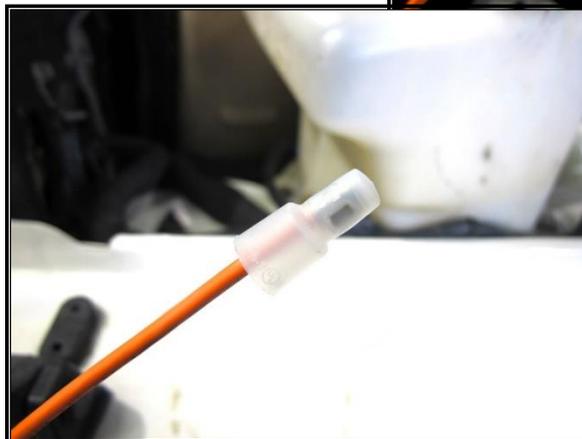
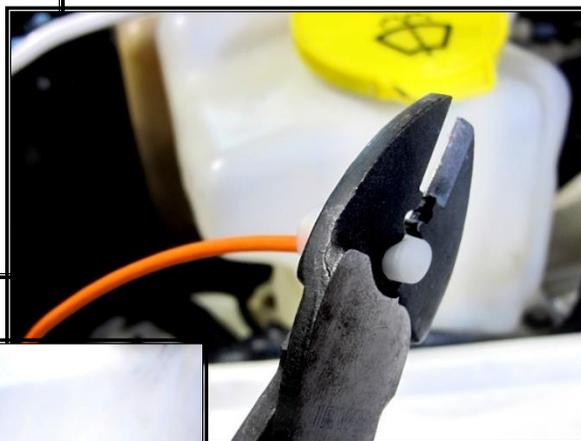
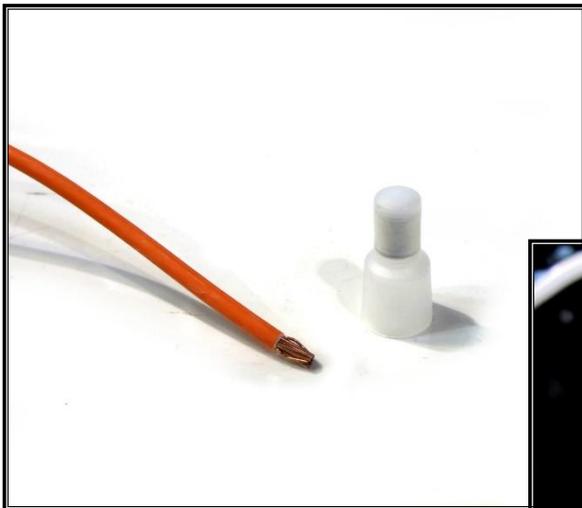
Step 65: Slide a piece of **heat shrink** from the included part kit over the **accessory wire**. Then, use an **un-insulated butt connector** to crimp together the accessory wire with the **Relay Output wire**.



Step 66: Secure the **heat shrink** over the connection.



Step 67: Cap all unused Relay Output wires by crimping on the provided **insulated wire caps**. Then store the extra wires out of the way in the most convenient way possible.



OPTIONAL: PAINLESS PART#: 57150 - WINCH

CONTROL ADD-ON KIT

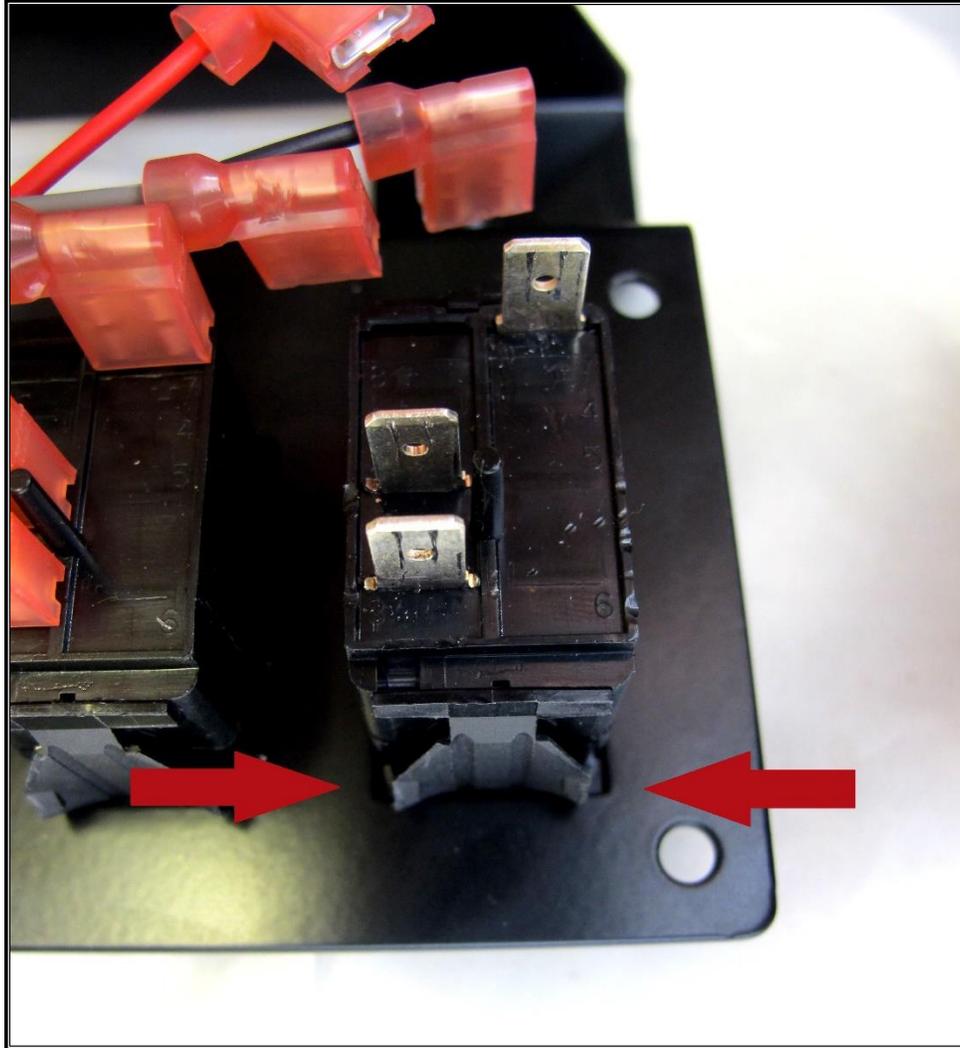
As part of your **Switch Panel wiring harness**, there are 2 optional winch control wires: a **WHITE/RED (IN)** and a **BROWN/WHITE (OUT)**. These wires control the in and out functions of a winch when it is installed.



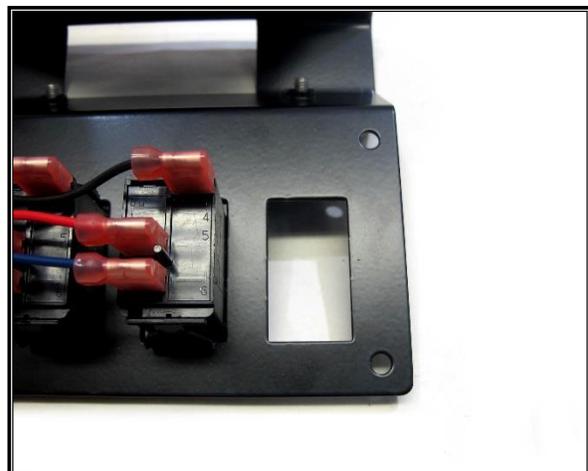
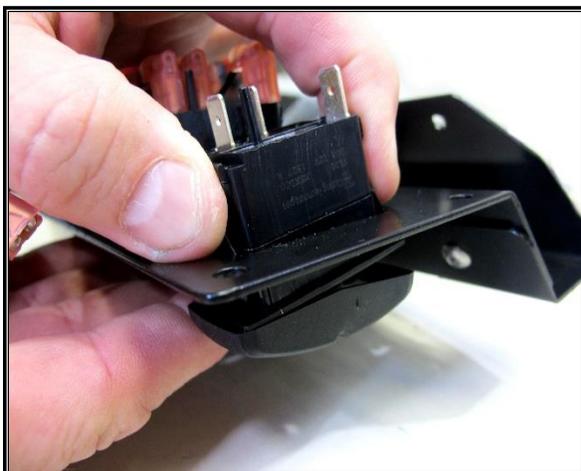
These control wires can be connected to a winch switch (not provided in the kit). If you do not have a winch switch, Painless offers a **Winch Control Add-on Kit** ([Painless Part #: 57150](http://www.painlessperformance.com), available online at www.painlessperformance.com). **Steps 68-72** show you how to install a **Winch Control Add-on Kit** to your **Trail Rocker Switch Panel** and connect the control wires to the switch.



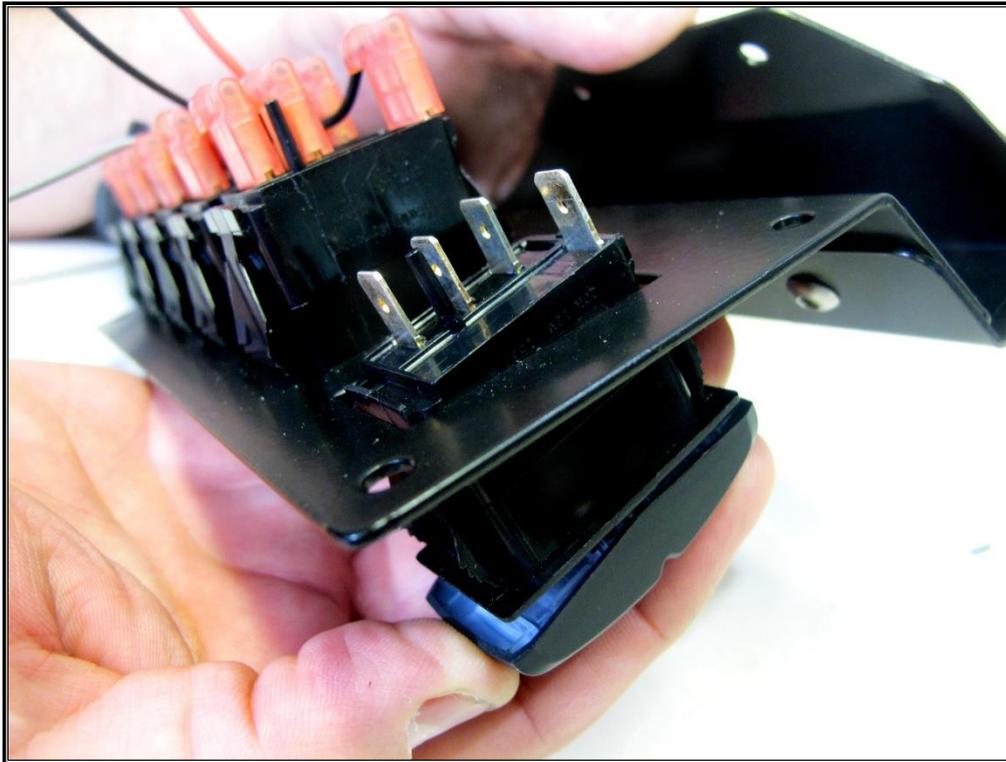
Step 68: Remove the switch panel, power, and ground wires from the switch you are replacing with the **Winch Control Add-on Kit**. Then, locate the tabs located at the top and bottom of the switch.



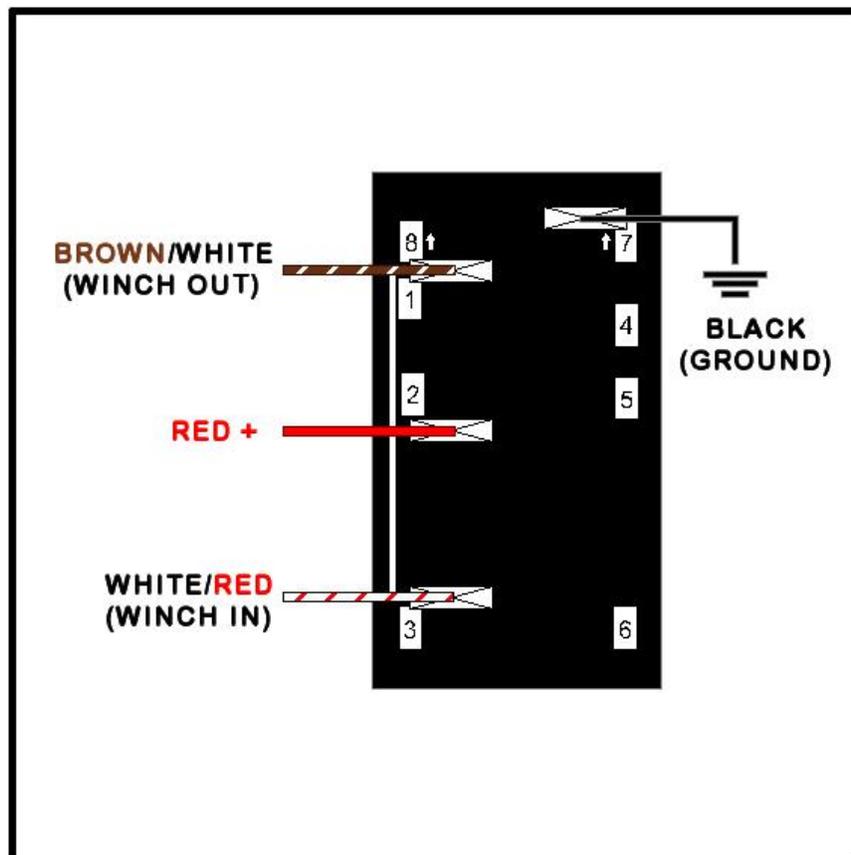
Step 69: These tabs lock the switch in place. To remove the switch, squeeze the tabs in and slide it out of the bracket.



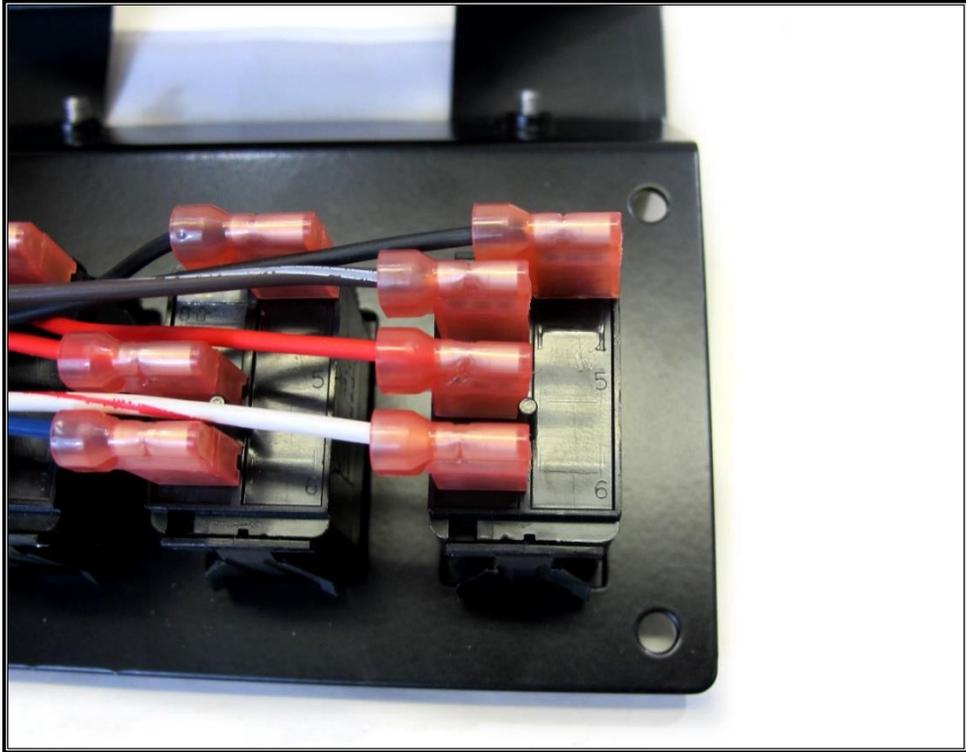
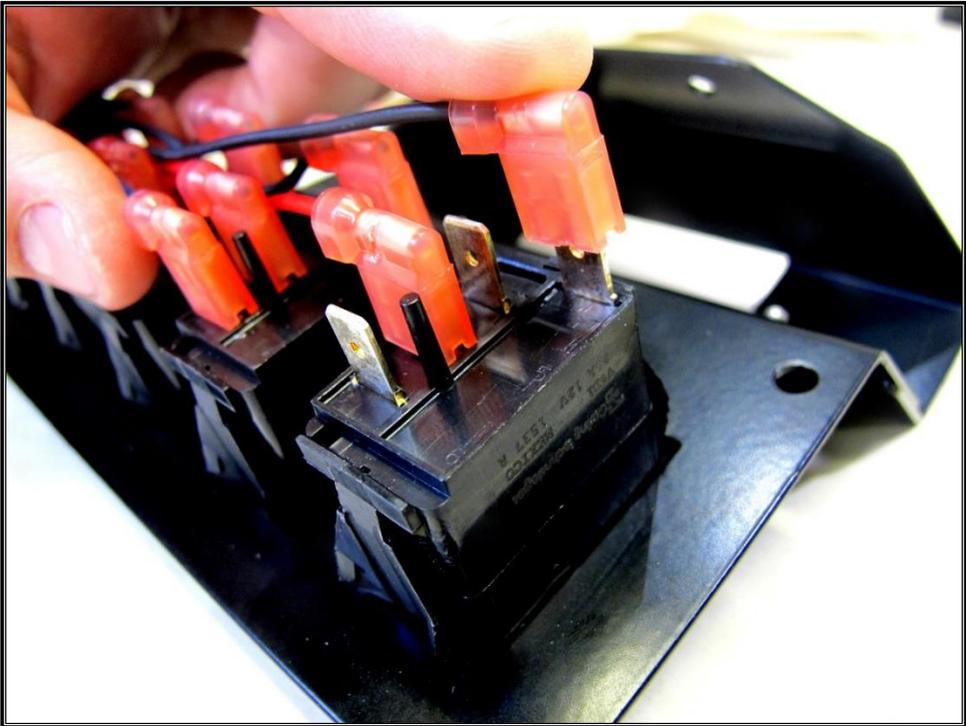
Step 70: Insert the **Winch Control Add-on Kit** into the empty socket of the bracket.



Step 71: Before connecting the wires to the Winch Control Add-on Kit, take time to familiarize yourself with the wiring diagram below.



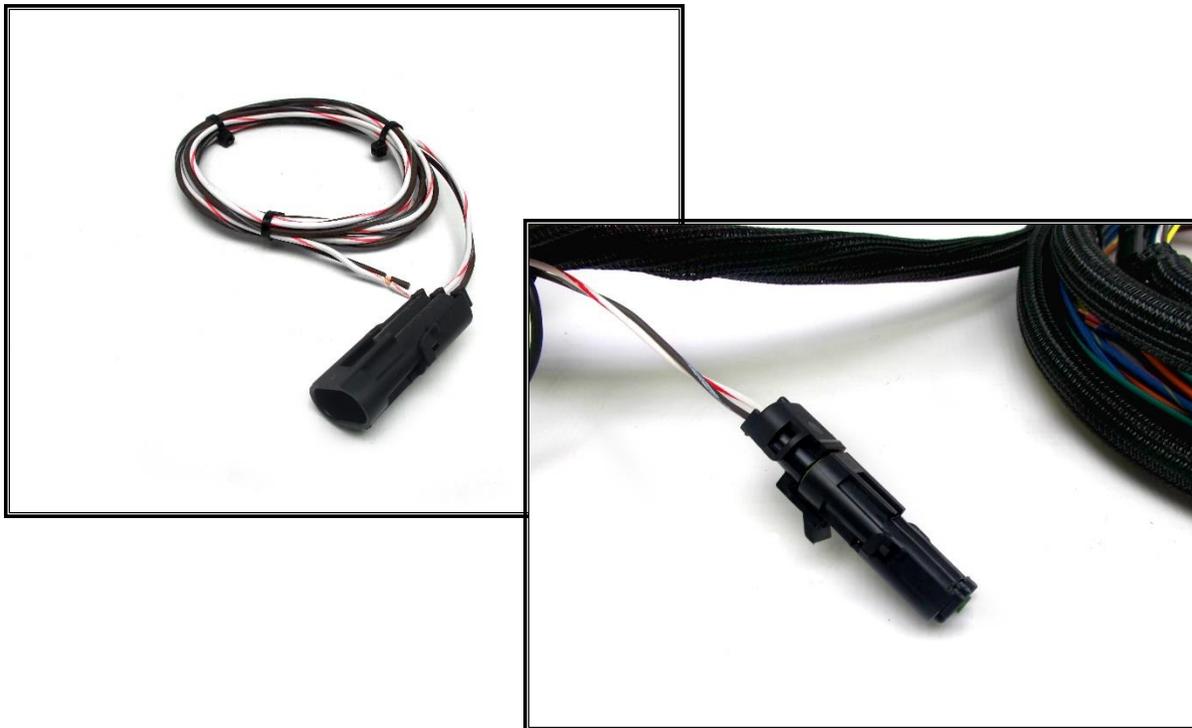
Step 72: Reconnect the power, ground, and Switch Panel wires to the Winch Control Add-on Kit as seen below.



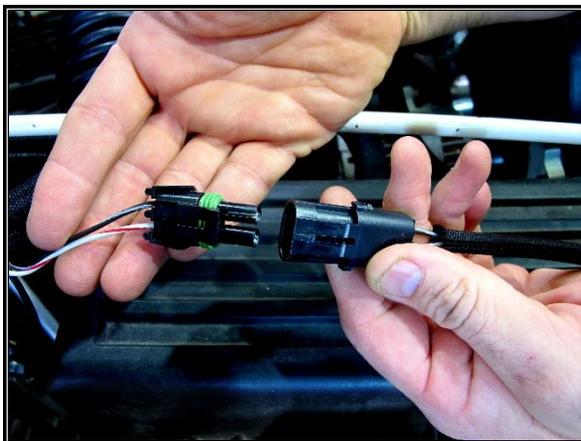
OPTIONAL: WINCH PIGTAIL

If you are hooking up your winch to your Trail Rocker System, read the following steps for attaching the included winch pigtail.

Step 73: Locate the **winch pigtail** included in your parts kit. Then locate the winch connector on your Fuse/Relay Center.



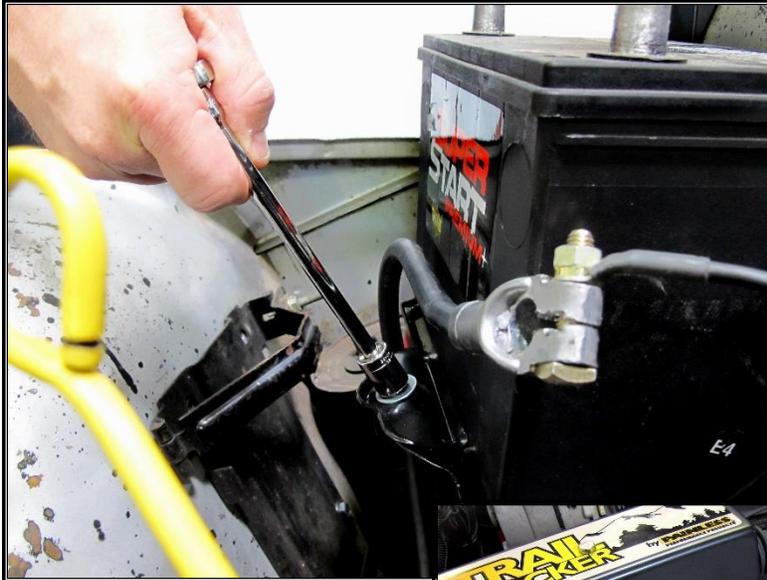
Step 74: Remove the cap from the winch connector on the Fuse/Relay Center. Then plug in the **winch pigtail** and route the wires safely to your winch.



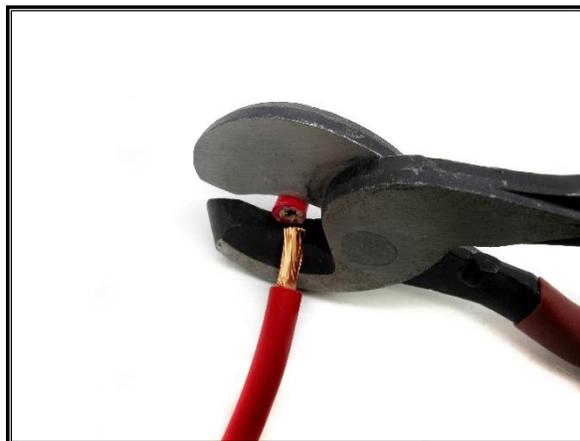
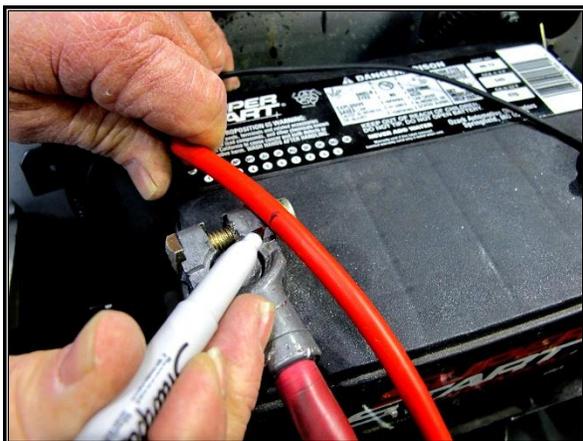
Wiring diagrams for specific winch set-ups can be found at <http://www.painlessperformance.com/schematics> under the Trail Rocker section.

FINAL STEPS

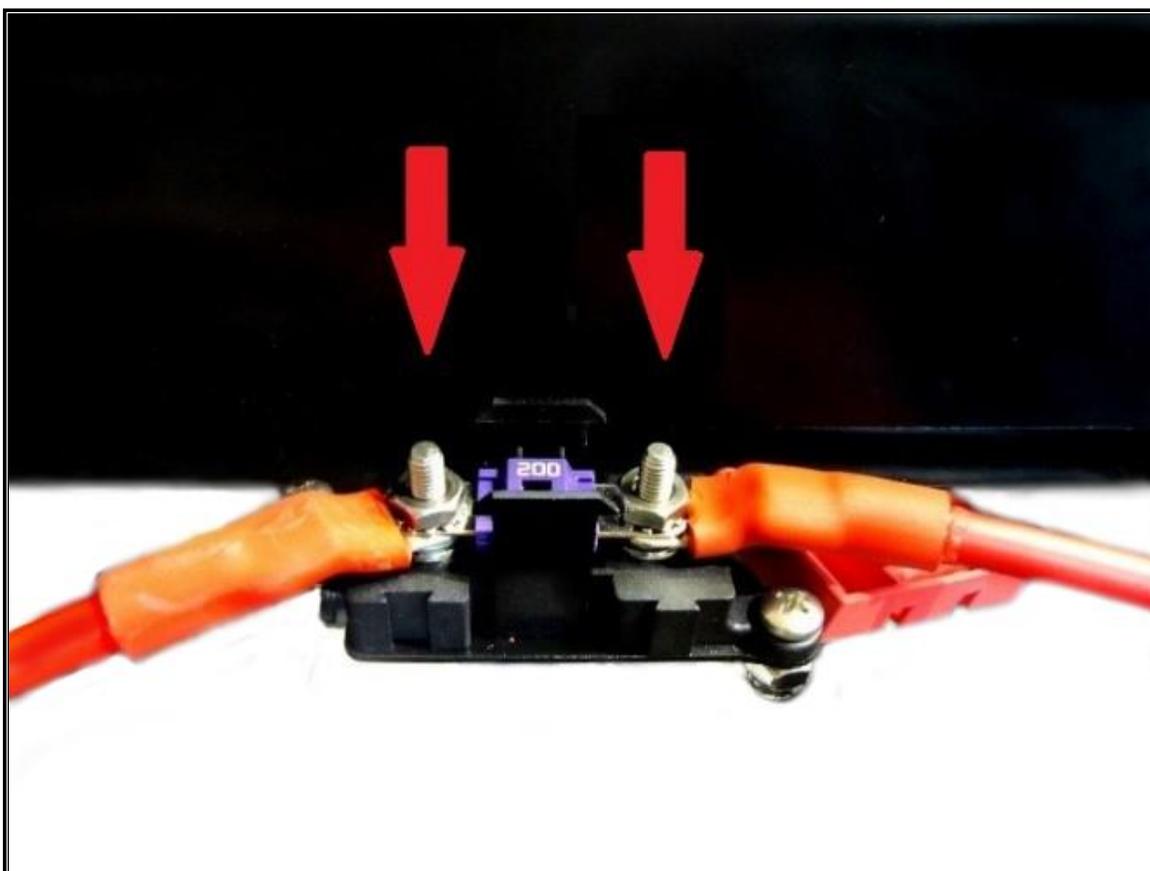
Step 75: Reinstall the battery. Then, locate the **6-gauge, unterminated, red cable** coming from the **Fuse/Relay Center, heat shrink**, and the appropriate sized (for your particular application) **non-insulated ring terminal**.



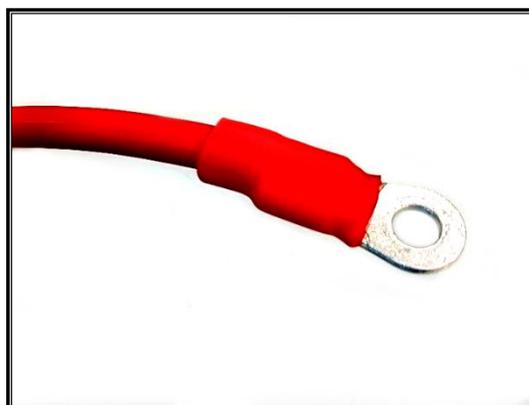
Step 76: Notice that the **6-gauge red cable** does not have an eyelet on one end. This is so you can cut the cable to the length you need for your specific application. Mark the length you need to route the cable to the positive terminal. Cut and strip the wire about **1/2"**.



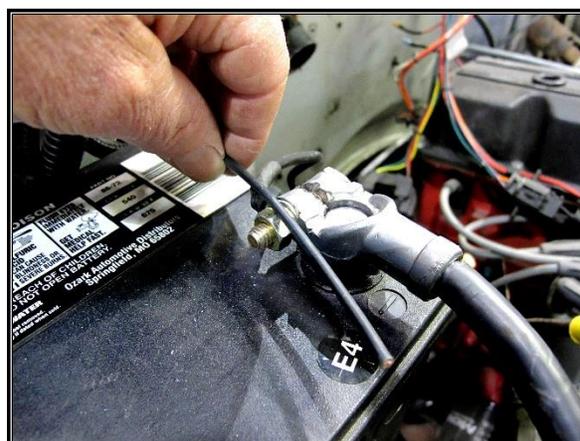
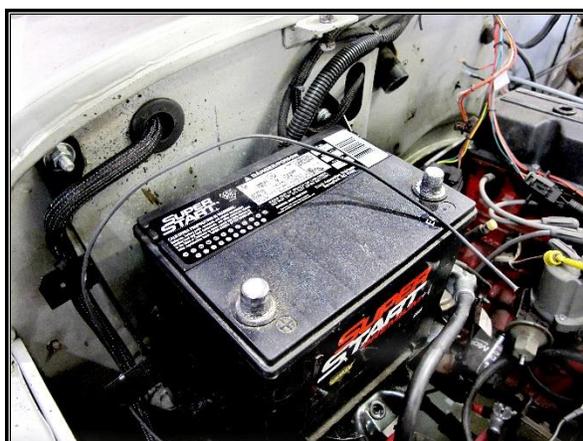
Step 77: Once the cable is stripped, remove it from the **Fuse/Relay Center** in order to crimp on the included **ring terminal** from your parts kit. To remove the cable lift up the fuse cover on the **Fuse/Relay Center** bracket. Then, remove the **2 nuts** and **200-amp MIDI fuse** holding the cable in place.



Step 78: These **ring terminals** can be difficult to crimp. It can be done with a chisel and hammer or with a crimping tool like the one below. These crimping tools can be found at your local parts store or online. Once the terminal is crimped, secure it with about **1" of heat shrink**.



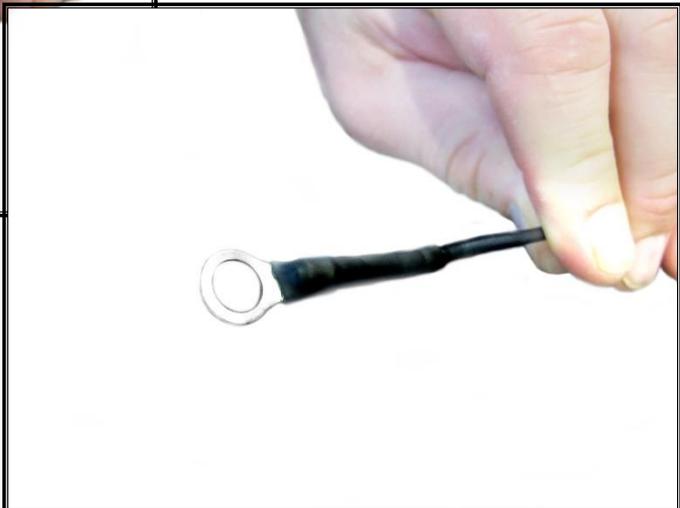
Step 79: Next, re-install the cable and **200-amp MIDI fuse** to the **Fuse/Relay Center** and connect it to the positive battery terminal. Then, route the ground wire coming from the **Fuse/Relay Center** to the negative battery terminal.



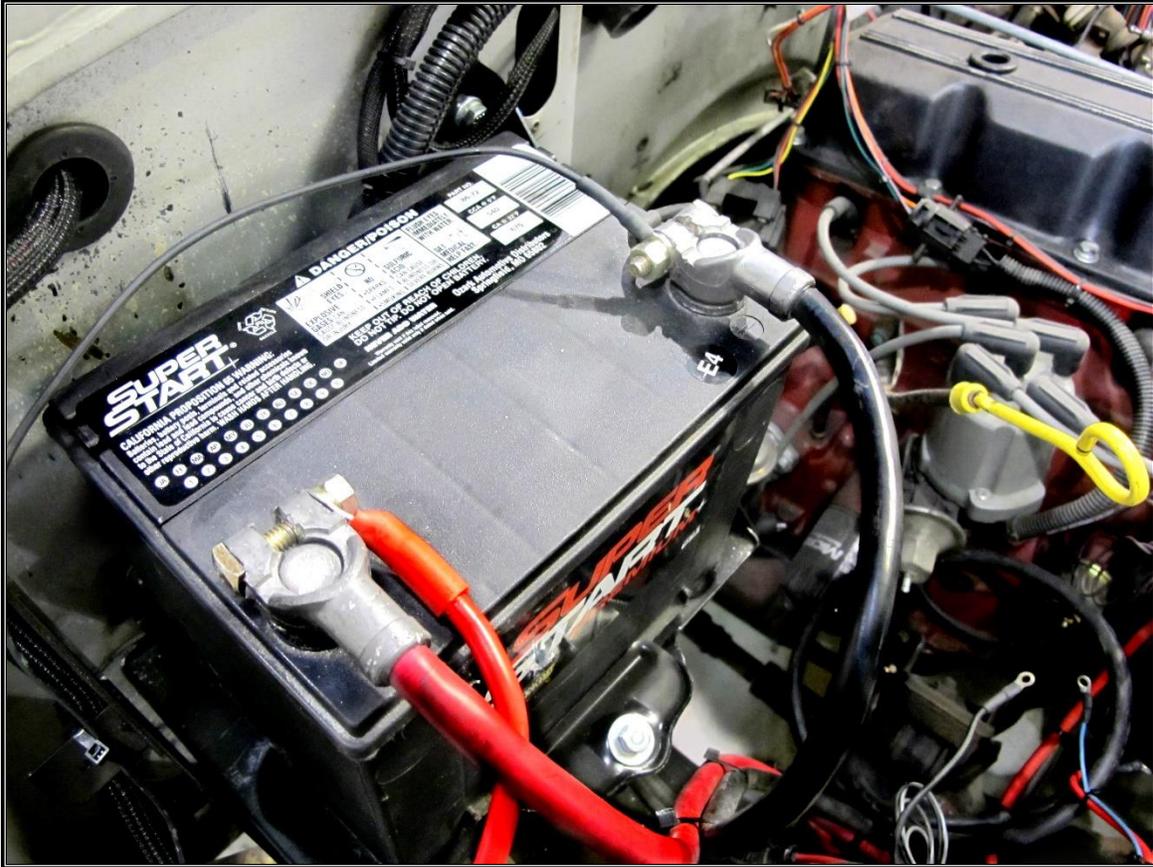
Step 80: Locate (1) ¼” black heat shrink and (1) 16-14 ga. non-insulated ring terminal. Strip the wire about ¼” and slide the heat shrink over it.



Step 81: Crimp on the ring terminal and secure it with the heat shrink.



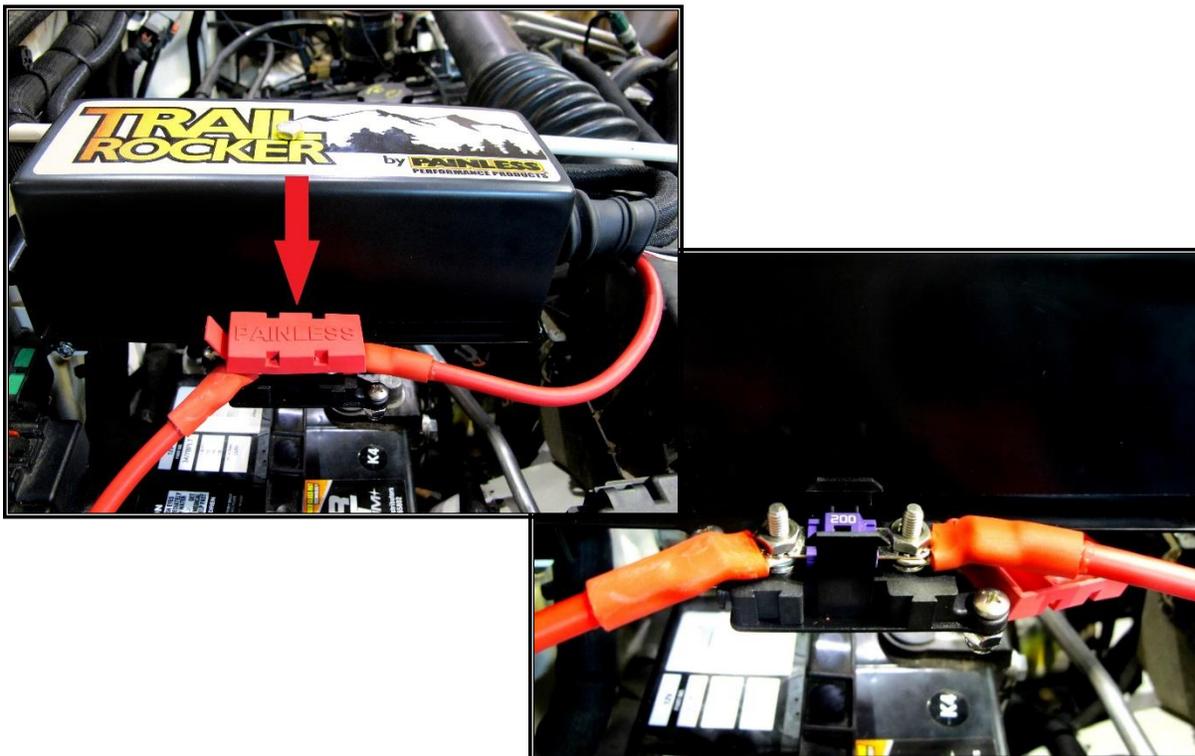
Step 82: Hook the terminals back up to your battery. Connect the red cable to the positive terminal and the ground wire to the negative terminal.



With the battery connected, you can now test out and enjoy your new Trail Rocker!

FUSE PLACEMENT

As seen in the Final Steps section the **200 amp midi fuse** is located on the fuse block on the side of the **Fuse/Relay Center** mounting bracket.



The **Fuse/Relay Center** contains eight **30 amp ATO fuses**, and can be accessed by removing the lid from the **Fuse/Relay Center**.



Trail Rocker Fuse Centers are equipped with 8 Indicator Fuses. These fuses are equipped with an LED light that will turn on when the fuse is blown, thus indicating when the fuse needs to be replaced.



Painless Performance Limited Warranty **and Return Policy**

Chassis harnesses, fuel injection harnesses, and Trail Rocker units are covered under a lifetime warranty.

All other products manufactured and/or sold by Painless Performance are warranted to the original purchaser to be free from defects in material and workmanship under normal use. Painless Performance will repair or replace defective products without charge during the first 12 months from the purchase date. No products will be considered for warranty without a copy of the purchase receipt showing the sellers name, address and date of purchase. You must return the product to the dealer you purchased it from to initiate warranty procedures.

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