

Preparation:

- Disconnect the negative battery terminal. Park the vehicle on level ground and set the emergency brake.
- We recommend reading through the installation instructions in whole before performing the work.
- When button head bolts are being used, install the supplied washer on the nut side. Then, hold the bolt stationary and only turn the nut to tighten. Do not turn the bolt to tighten hardware assembly, unless otherwise noted.
- Estimated Installation Time: **1 Hour for Chase Rack Installation**
2 Additional Hours to Wire Light/Actuator

This installation requires 2 people for best results

Labor Rates are based on a vehicle with no pre-existing damage. Wiring labor is based on a standard wiring procedure with light switches installed in an easily accessible location. Custom light triggering or switch mounting location will result in a greater labor charge.

You will need the following tools:

- | | | |
|------------------|-----------------------------|-------------------|
| - Ratchet | - 5/16" Allen Wrench/Socket | - Wire Crimpers |
| - Zip Ties | - Drill | - 7/16" Drill Bit |
| - 1/2" Drill Bit | - 3/4" Wrench | |

Included in Kit:

- | | |
|--|-----------------------------------|
| 8 - Black Button Head Bolts (1/2"-13 x 1") | 16 - Black Washers (1/2") |
| 8 - Black Nylon lock nuts (1/2"-13) | 1 - Actuator Harness (Two Pieces) |
| 4 - Chase Rack Mounting Backer Plate | |

1. Set Chase Rack in place on the Vehicle. (Fig A)



Fig A

2. With the chase rack sitting in place on the vehicle, put the supplied mounting plate in place so that your bed rail gets sandwiched between the Chase Rack and the mounting plate. Use the supplied 1/2" Bolts (4 per side), 1/2" Washers (8 per side) and 1/2" Nuts (4 per side) that come with the chase rack to secure it. (Fig B)

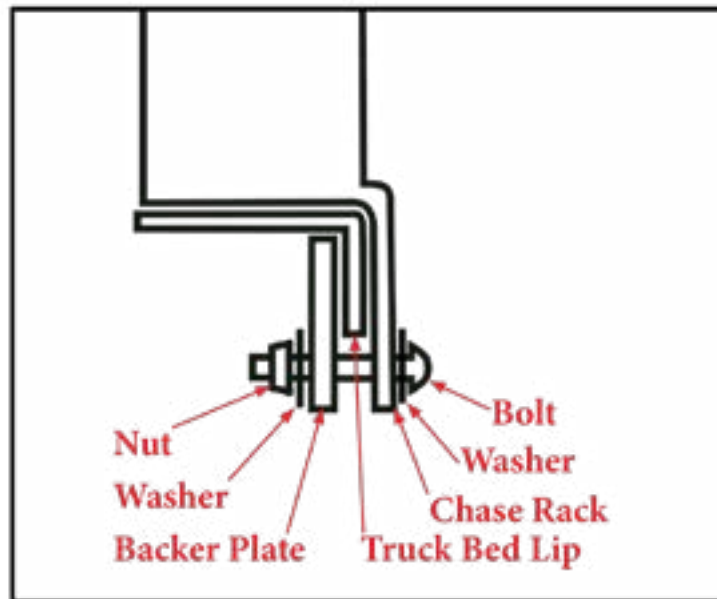


Fig B

4. Set the harness in place on the chase rack so that the main connector (with the larger gauge wires) lands on The driver side. If your light bar does not have a connector on it, you can cut the connector off of our harness and connect the harness to your light bar using the butt connectors or connector kit that comes with your light bar. (Fig D)

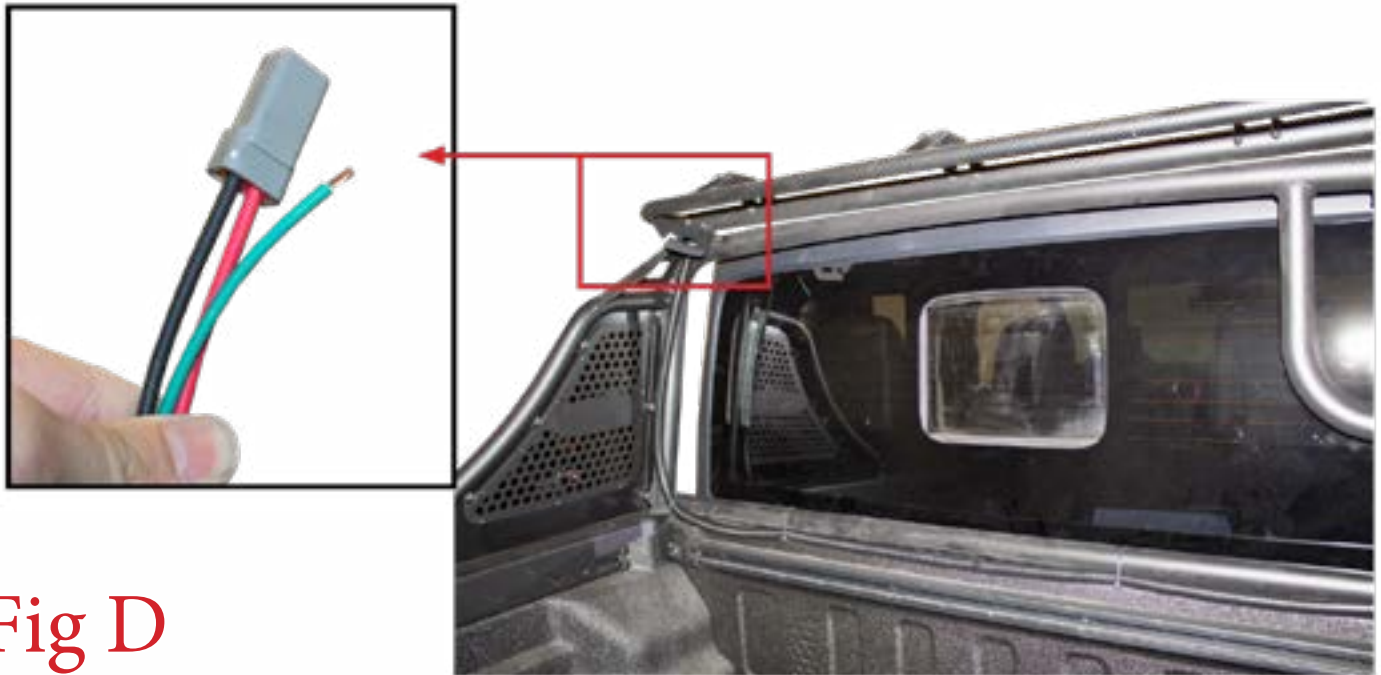


Fig D

5. Run the harness along the chase rack to the passenger side. Line the black and red bare wires up with the black and red wires from the chase rack actuator. Use the butt connectors supplied with our harness to make this Connection. (Fig E)



Fig E

6. Send the harness down between the bed and the cab of the vehicle on the passenger side. (Fig F)



Fig F

7. Send the harness down the length the vehicle along the frame rail. Be sure to zip tie it up and out of harm's way. Route into the engine bay. (Fig G)



Fig G

8. Find the secondary harness. Connect the red eyelet to the positive terminal of the battery. Than on the other end of this harness will meet up with the harness that was ran up into the engine bay along the exhaust. They will both be ran into the cab of the truck through the boot on the fire wall. (Fig H)



9. After the harness has been routed into the engine bay of the truck, the smaller wire in the line split of the harness will be routed through the rubber boot of the fire wall. The larger part of the wiring harness should be routed by the battery close to the AUX lines. Remove this plug from the fire-wall. Then, drill a hole in it big enough to pass the 2 wire harnesses through and reinstall it. (Fig I)

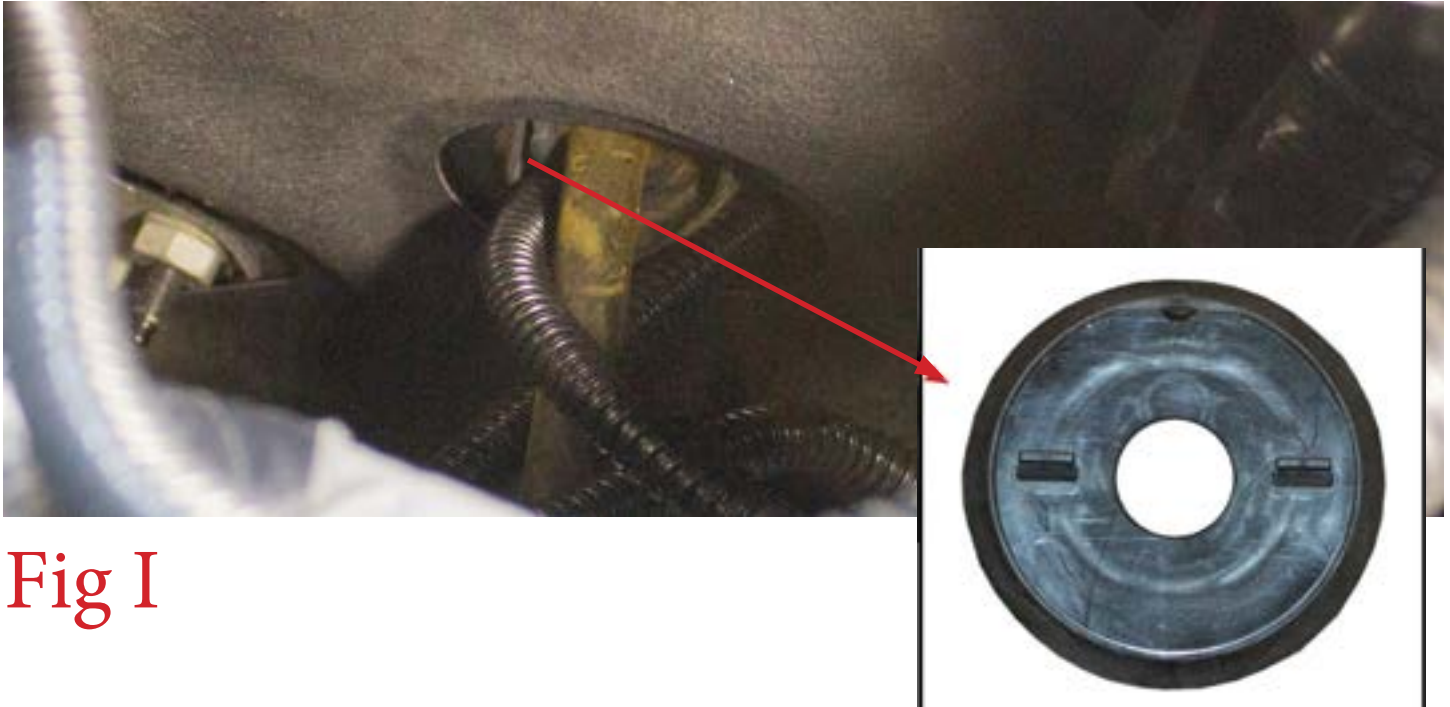


Fig I

10. Remove the kick panel referenced in (Fig J). Pop the trim along the bottom of the doorway loose as well. Do this by pushing it towards the center of the vehicle. It won't come all the way off, but it will get loose enough for you to pass the wires through it. (Fig J)



Fig J

11. After a hole has been drilled through the rubber boot run both lines into the cab of the truck. Zip tie up the wiring harness to existing wires in the cab to keep them out of the way and hidden. (Fig K)

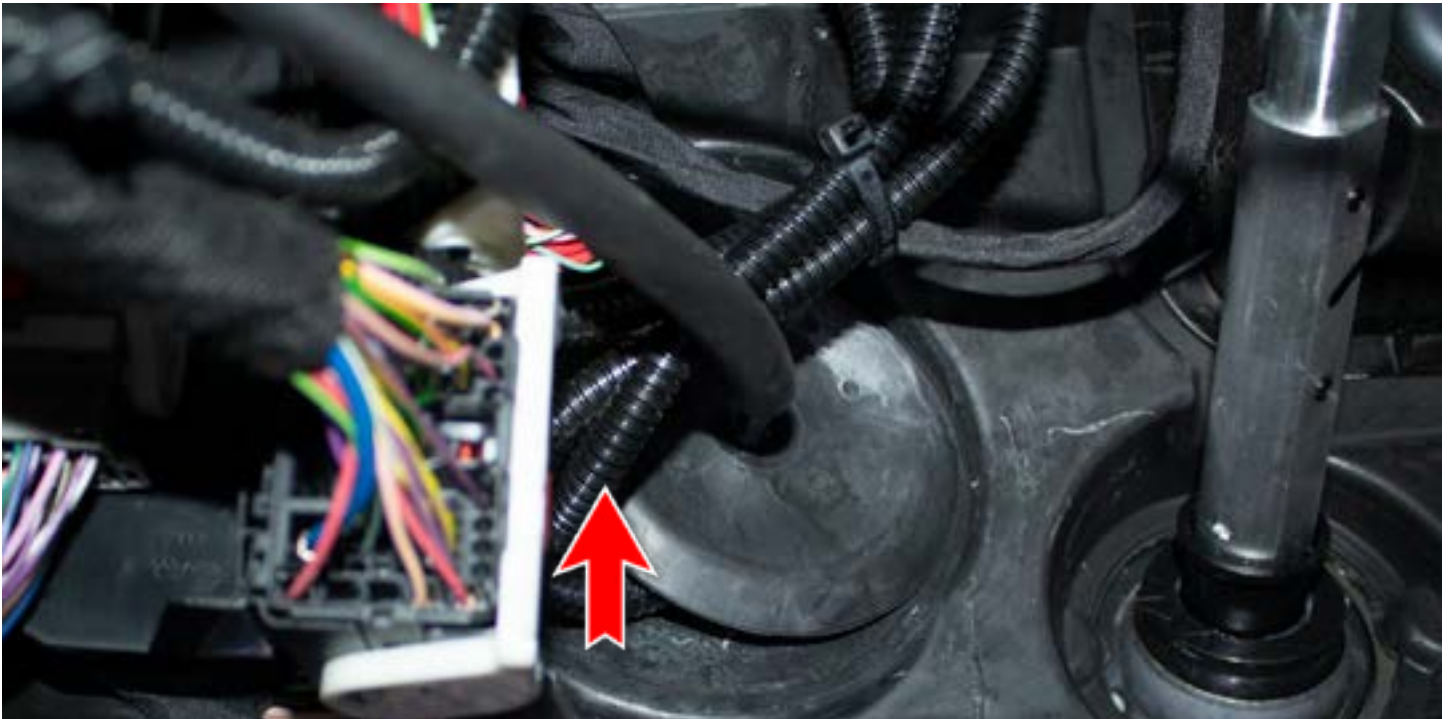


Fig K

12. Connect the black wire with the eyelet on the end (from the secondary harness) to a suitable ground bolt, such as the one referenced in (Fig L).

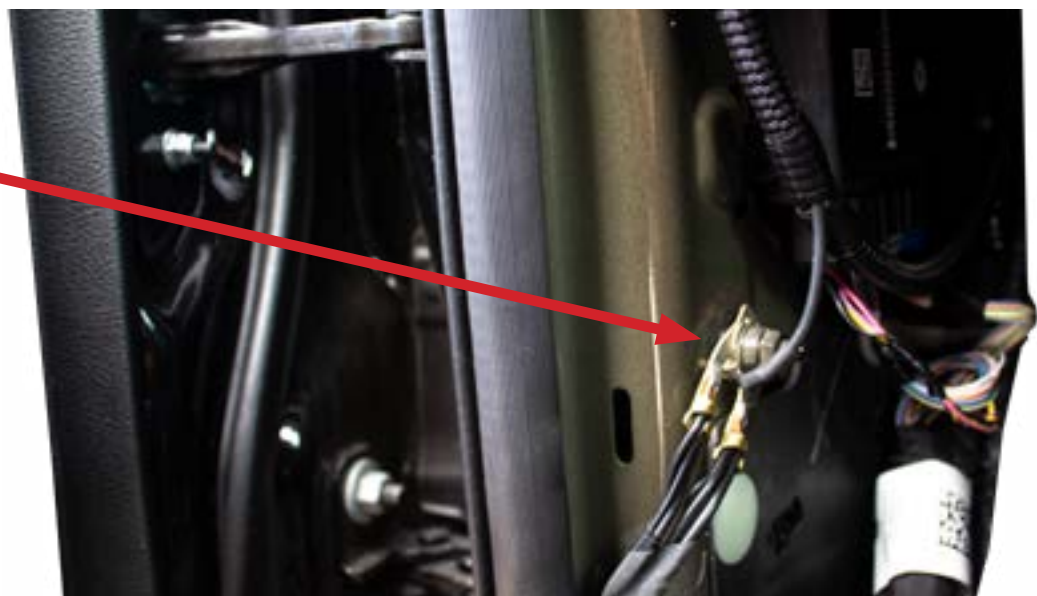


Fig L

13. Connect the wires to the toggle switch as shown in the diagram below. (Fig M)

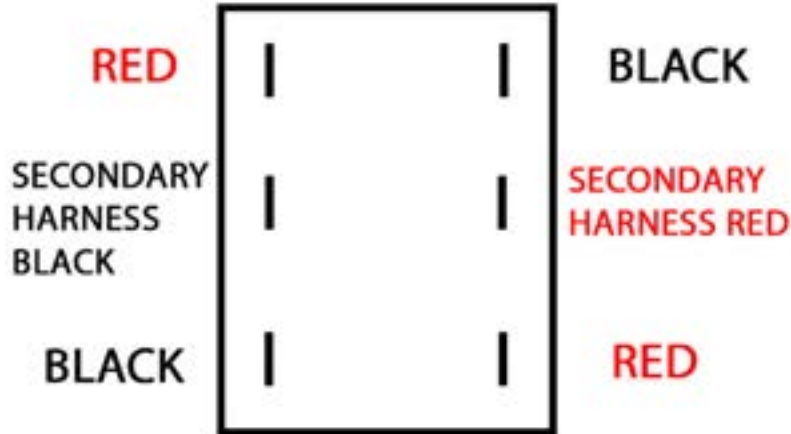


Fig M

14. Install the supplied Toggle Switch in desired location. Use a 7/16" Drill Bit to drill a hole in the position of your choice, then install the switch in the newly drilled hole. (Fig N)

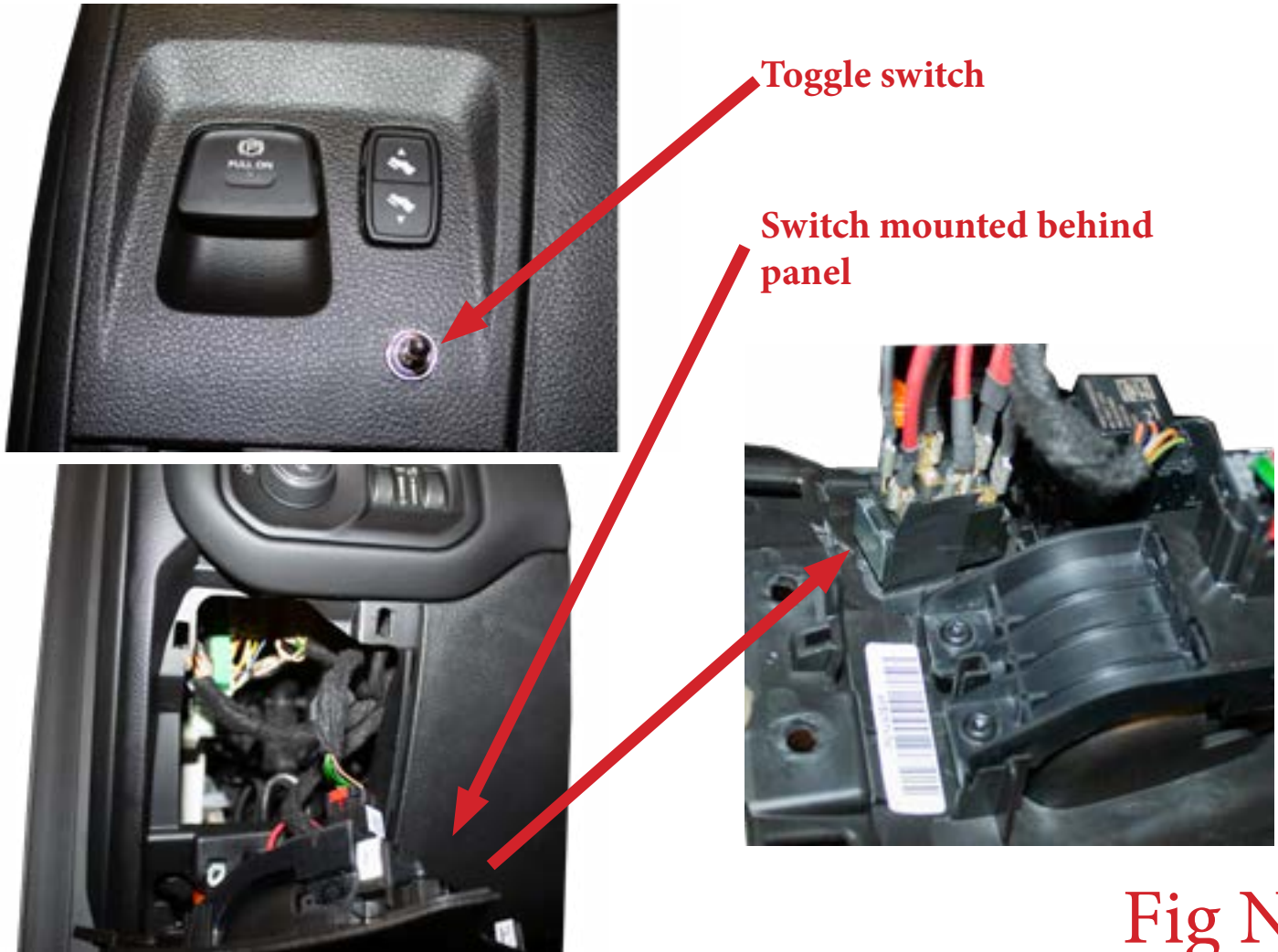
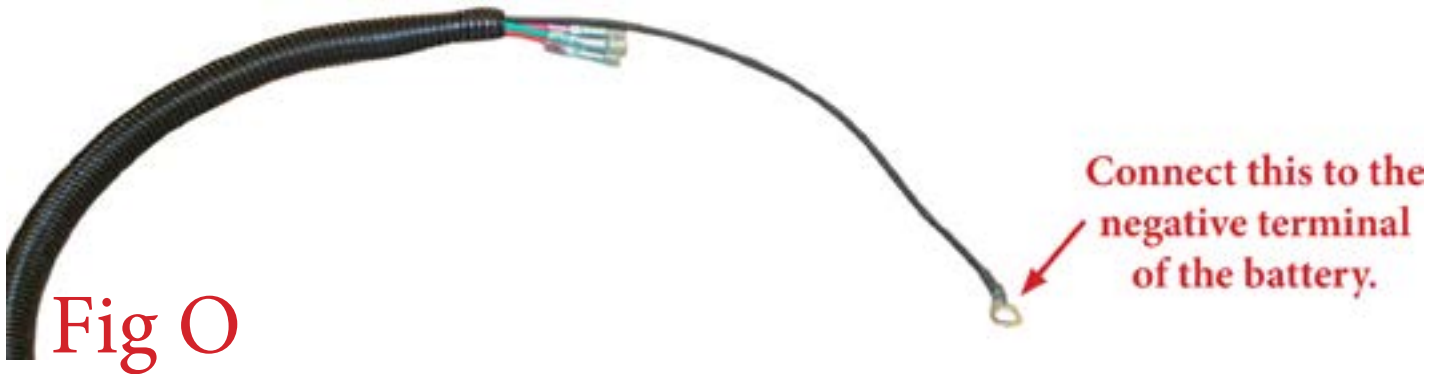
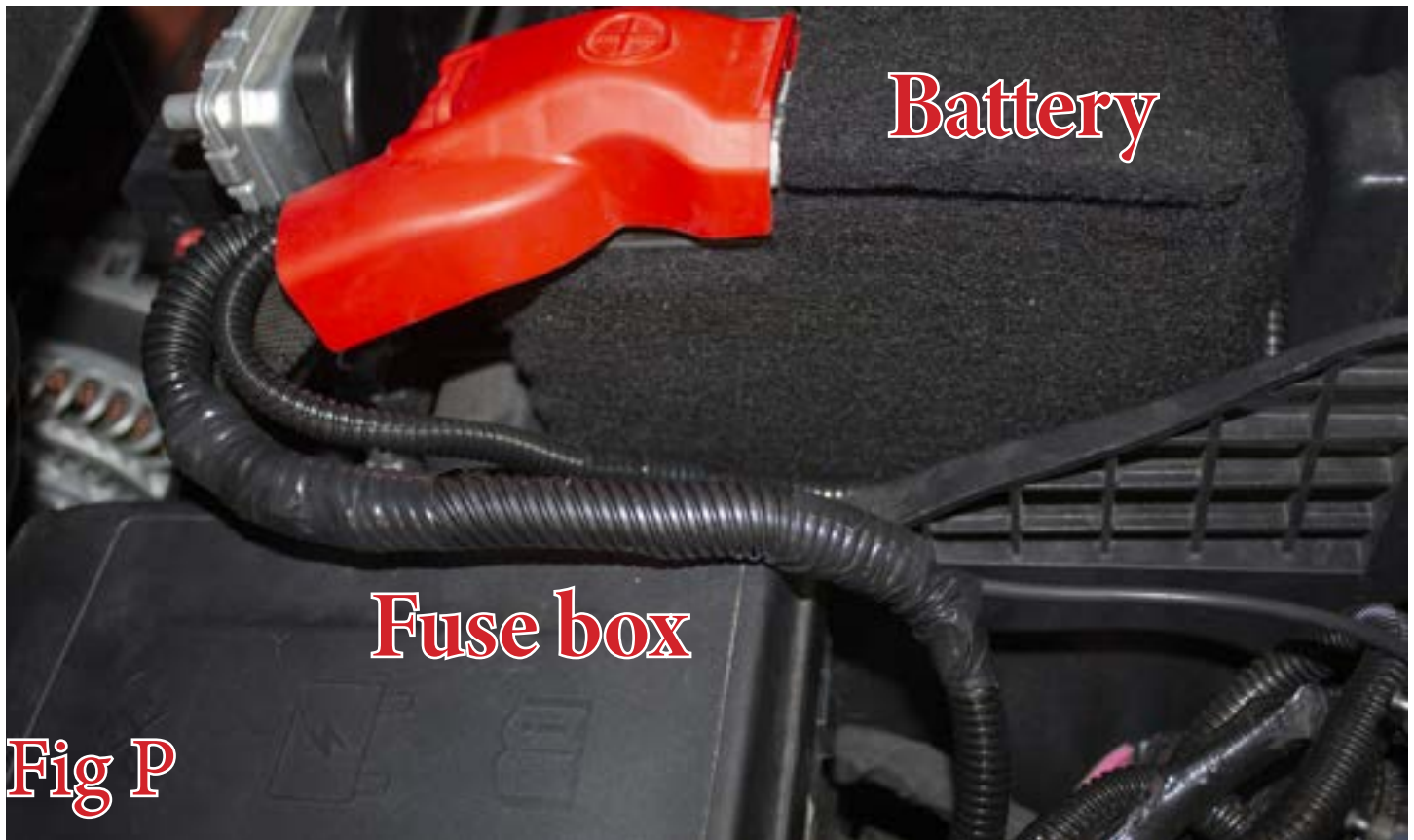


Fig N

15. Connect the black wire with the eyelet on the end to the negative terminal of your battery. (Fig O)



16. After the harness has been routed to the battery and the black wire has been connected negative terminal, you will splice the red wire from the harness that was used to connect to the light-bar to one of the AUX switch (AUX switch wires are located next to the fuse box, check owner manual to see what color AUX switch wire corresponds to the AUX switch you plan on using for the chase rack lights. Also make sure the switch has a high amperage to run a 25 amp light bar). The AUX wires will be located between the fuse box and battery. (Fig P)



AUX location 

17. Test the actuator's up and down function. You may have to flip the switch 180 degrees if the up/down functions are backwards. ****Only hold the switch until the actuator stops or the light bar is at the desired angle. Extended power at max positions may burn out the actuator motor***
18. Reinstall the driver side kick panels.
19. Zip tie any loose sections of the wire harness up and out of harm's way.
20. Stand back and enjoy your new ADD Race Series™ Chase Rack.
21. Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.

