

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.
- Estimated Installation Time: **2 Hours**
This installation requires 2 people for best results

You will need the following tools:

- | | | |
|-------------------|-----------------------------|------------------|
| - Ratchet | - 5/16" Allen Wrench/Socket | - 3/4" Wrench |
| - 13mm Socket | - Drill | - 1/2" Drill Bit |
| - 7/16" Drill Bit | - Wire Crimpers | |

Included in Kit:

- | | |
|--|---------------------------------|
| 4 - Hex Head Bolts (M8-1.25 x 30mm) | 4 - Black Washers (M8) |
| 6 - Button Head Bolts (1/2"-13 x 1 1/2") | 6 - Flat Washers (1/2") |
| 6 - Nylon Lock Nut (1/2"-13) | 1 - Actuator Harness (2 pieces) |
| 1 - Toggle Switch | 2 - Chase Rack Mounting Plates |

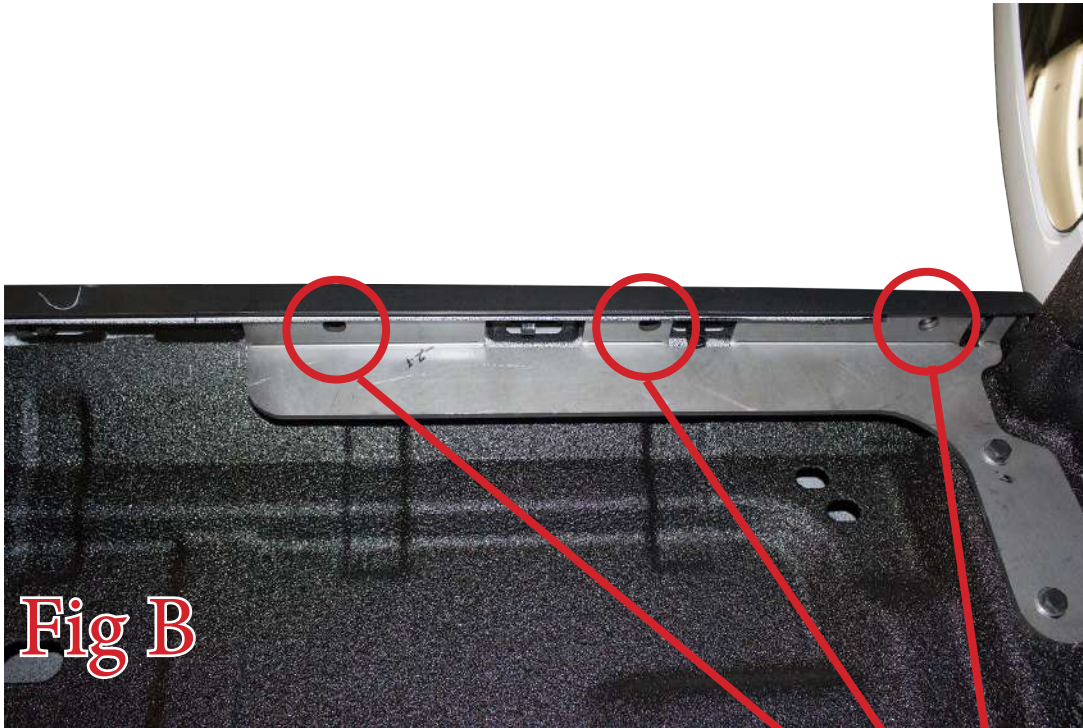
Installation:

1. Use the supplied M8 Bolts (x2) to attach the Chase Rack Mounting Plate to the truck bed as shown in (Fig A). Then, repeat this step on the other side of the truck bed.



Fig A

2. Using a Drill and a 1/2" Drill Bit, drill the three mounting holes (per side) through the bed rail from the bottom side. Use the Chase Rack Mounting Plate as your template to drill the holes. (Fig B) Then, repeat this step on the other side of the truck bed.



3. If you have any lights to install on your chase rack, now is a good time to do so. Use the hardware supplied by the light manufacturer to mount your light to your chase rack.
4. Set the Chase Rack in place on the vehicle, lining the mounting holes on the rack up with the holes you drilled in Step 2. Use the supplied 1/2" Bolts (x6), 1/2" Washers (x6), and 1/2" Lock Nuts (x6) to secure the rack to the vehicle. Once all bolts are loosely installed, torque the 1/2" Bolts to 70 foot pounds. (Fig C)

Fig C



Wiring:

5. Lay out the supplied Primary section of the Actuator Harness (the longer section). There are 3 light plugs on the end of the harness. Cut the harness immediately after the larger light plug as shown in (Fig D).

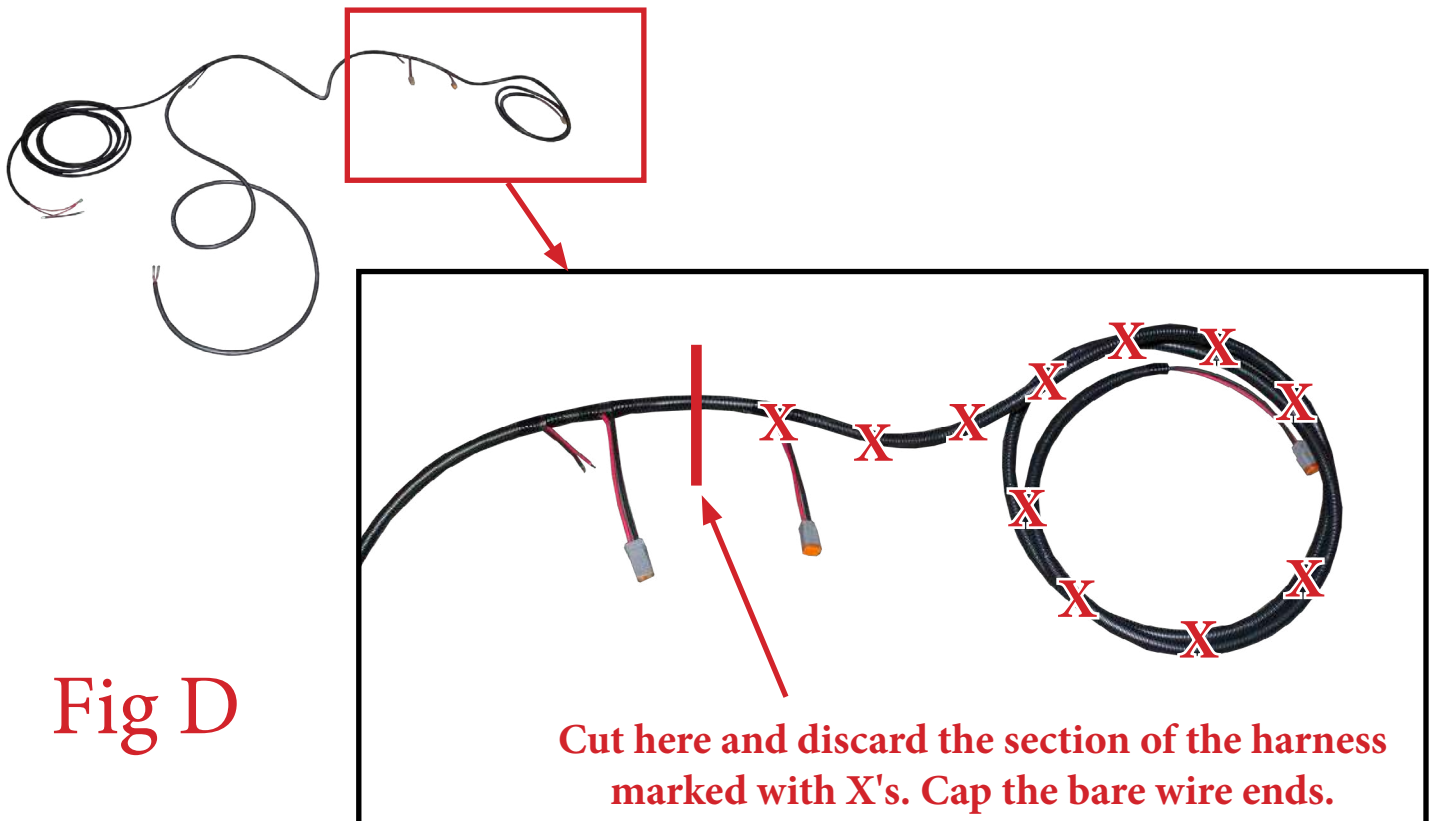
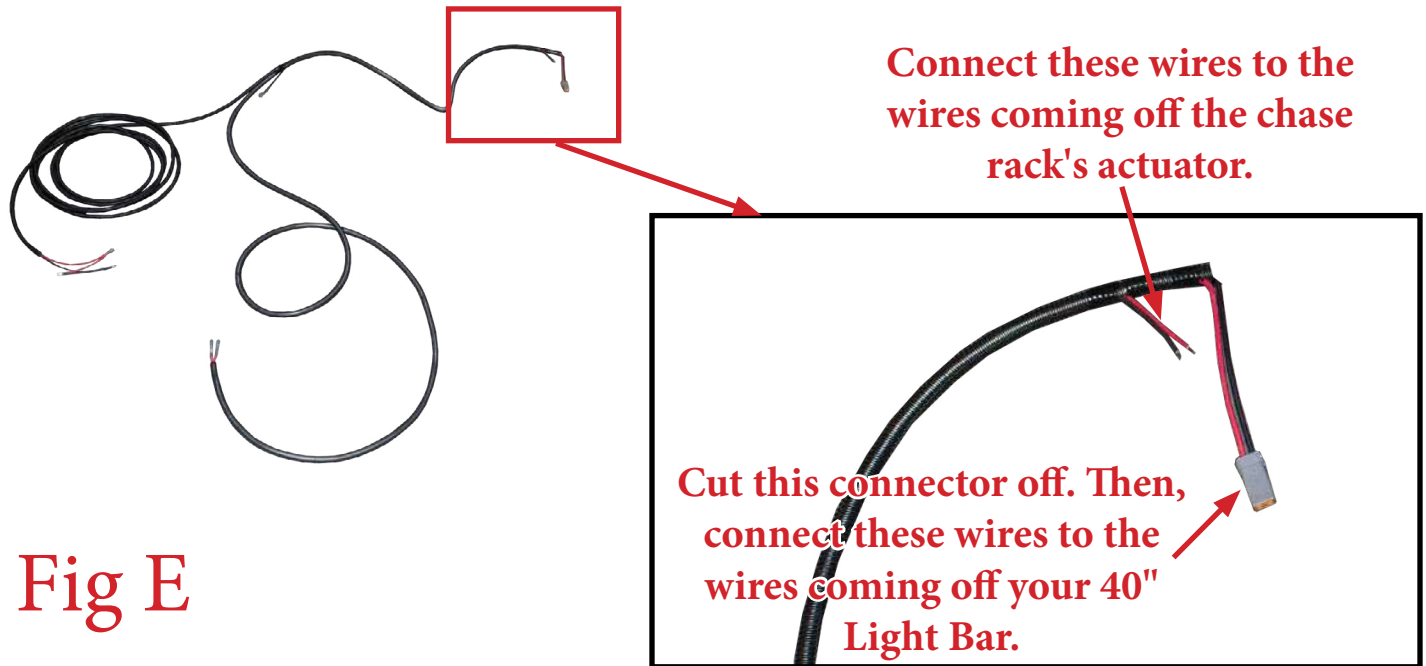


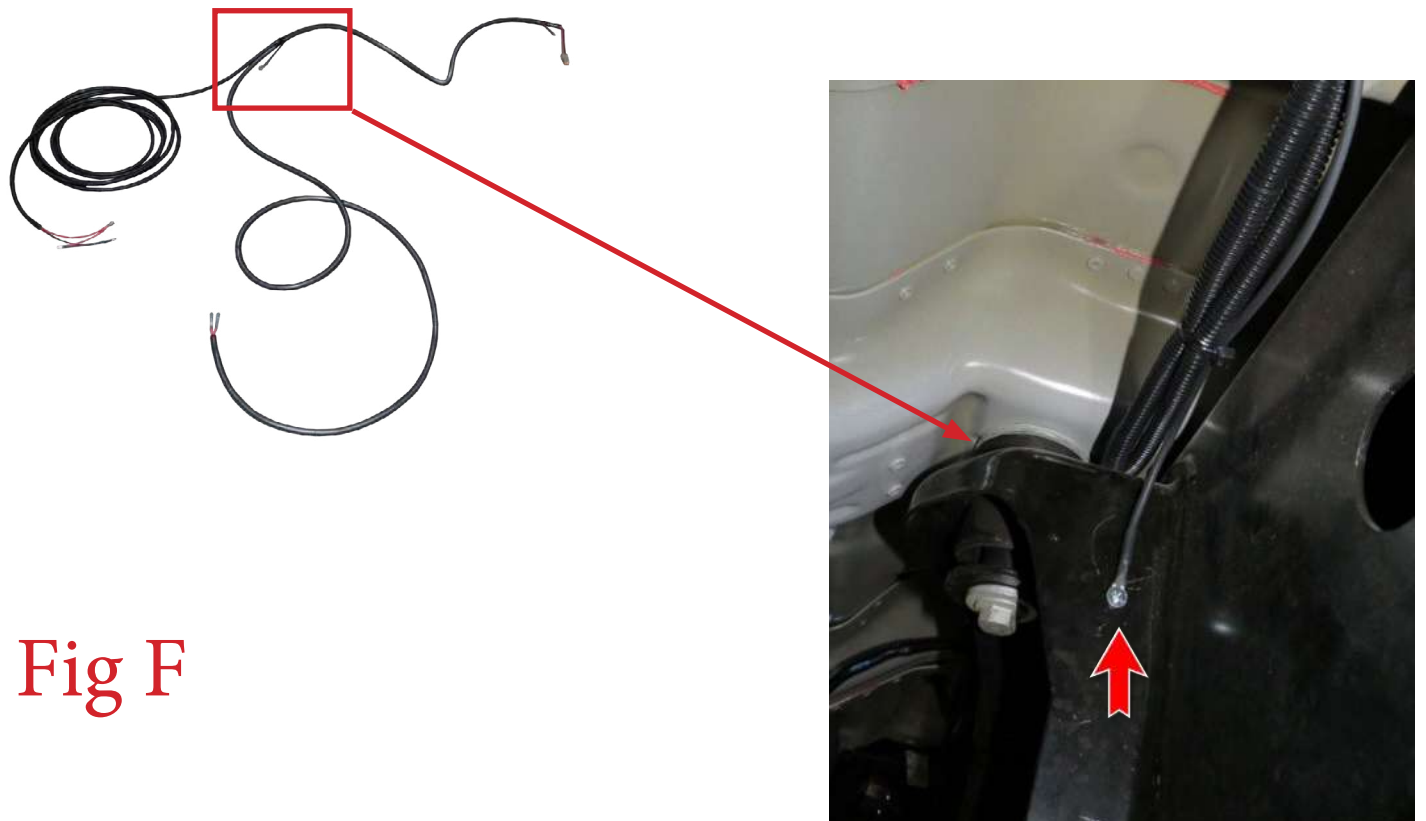
Fig D

Cut here and discard the section of the harness marked with X's. Cap the bare wire ends.

6. Once the harness has been shortened, cut the big connector off the new end of the harness. Then, connect those wires to the wires coming off your 40" Light Bar. Connect the red and black wires that never had a connector on them to the red and black wires coming off the actuator on your chase rack. (Fig E)



7. Run the harness underneath the driver side of the truck towards the engine bay. Connect the black wire with the eyelet attached to it to an appropriate ground location underneath the truck. (Fig F)



8. Open the driver side door and remove the two kick panels. There are no tools required for this step, they simply pull off by hand. (Fig G)

Before

After



9. From underneath the truck, find the body plug referenced in (Fig H). Then, drill a hole through that plug large enough to pass the wire harness through. Pass the wire harness through this hole and into the body of the vehicle.



Fig H

10. 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 I)



11. On the back side of the toggle switch, connect both red connections (from your chase rack harness) to opposite corners. Then, connect both black connections to the remaining opposite corners. Leave the middle posts unused for now. (Fig J)

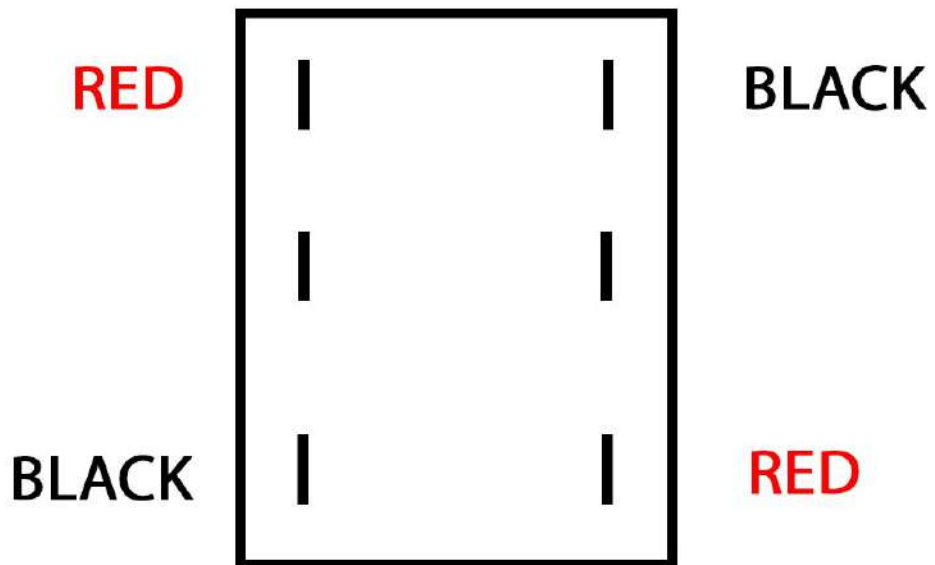
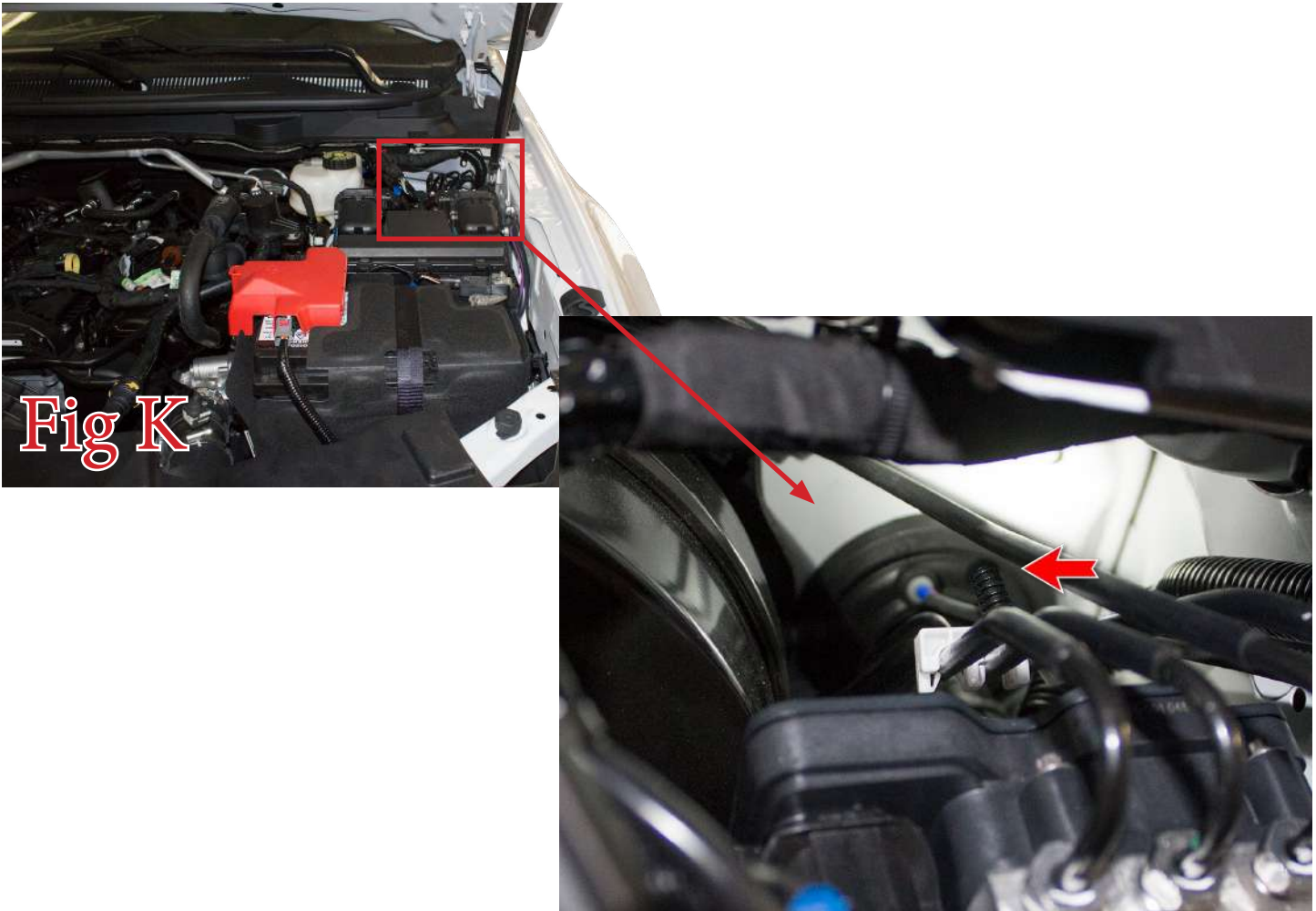
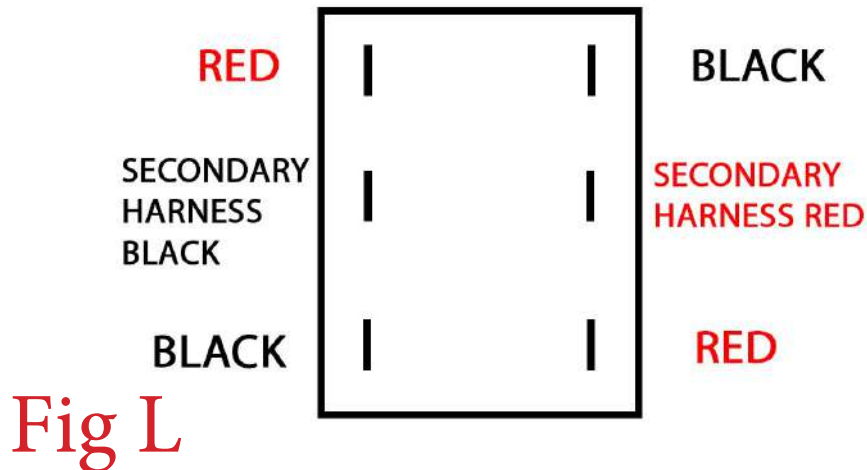


Fig J

12. Find the secondary actuator harness. Connect the black and red eyelets on the harness to the battery + and -. Route the harness to the firewall on the driver side. Then, pass it through the firewall at the rubber grommet shown in (Fig K)



13. Bring the remaining black and red wires on the harness to the back of the toggle switch. Then, connect the red wire to either of the middle posts on the switch. Connect the black wire to opposing middle post (Fig L)



14. Mount the eyelet from the secondary harness to a nearby ground bolt. (Fig M)



Fig M

15. 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 desired angle. Extended power at max positions may burn out the actuator motor*******

16. Install the light manufacturer's harness according to their installation instructions, except the red and black wires that get connected to the light bar. For those, connect the red wire from the light manufacturer's harness to the larger gauge red wire with a blue butt connector that remains on the chase rack harness. You can cap the black wire from the light manufacturer's wire harness. The following illustration is an example of one light manufacturer's harness, other manufacturer's harnesses may look different. (Fig N)

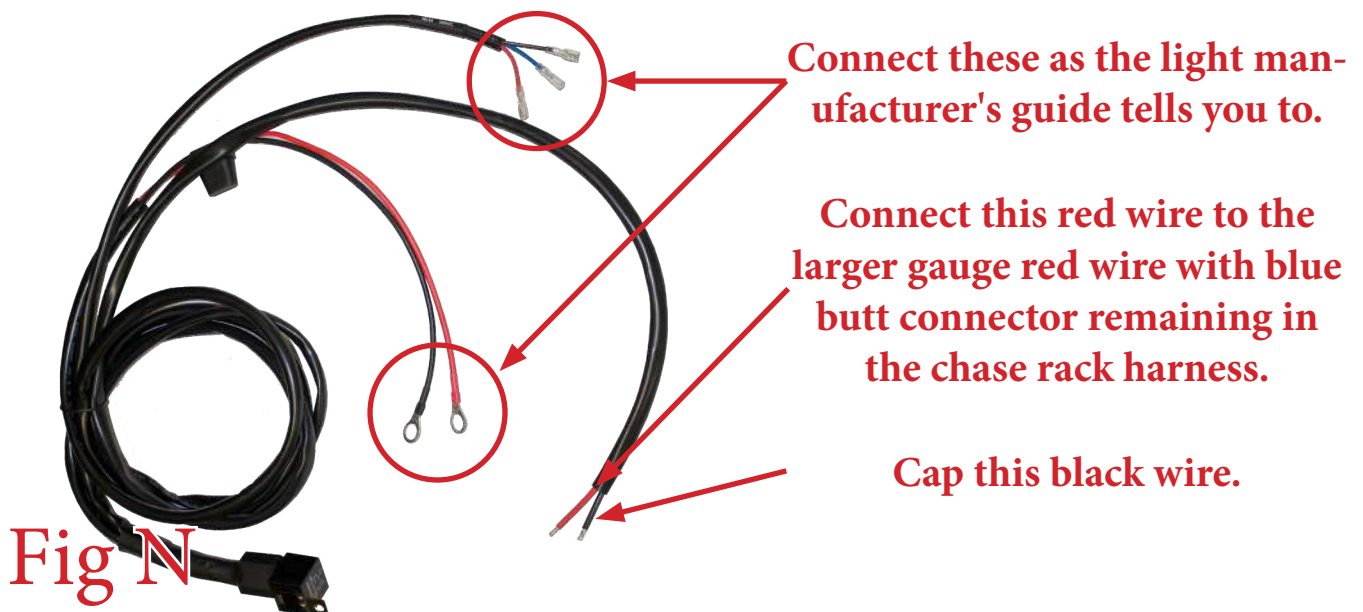


Fig N

17. Reinstall the driver side kick panels.
18. Stand back and enjoy your new ADD Race Series™ R Chase Rack.
19. Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.

