

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.
- If washers are used the head side of a bolt, please ensure the washer does not rest on a weld when it is in its final tightened position.

- Estimated Installation Time: **2 Hours for Assembly and Installation**
1 Additional Hour to Third Brake Light

*****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:

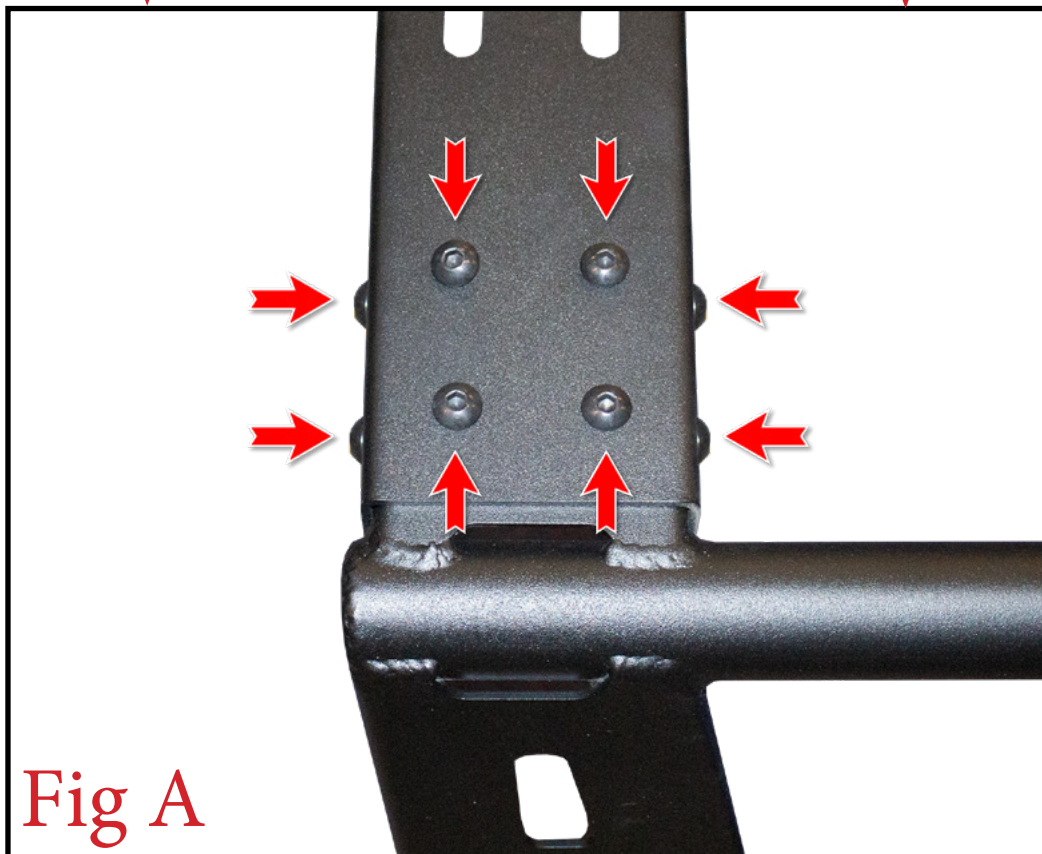
- Ratchet
- 9/16" Socket & Wrench
- 5/16 Allen Wrench/Socket
- 3/4" Wrench

Included in Kit:

- | | | | |
|-----------|--|-----------|--|
| 48 | - Black Button Head Bolts (3/8"-16 x 1") | 48 | - Black Washers (3/8") |
| 48 | - Black Nylon Lock Nuts (3/8"-16) | 12 | - Black Button Head Bolts (1/2"-13 x 1 1/2") |
| 12 | - Black Washers (1/2") | 12 | - Black Nylon Lock Nuts (1/2"-13) |
| 4 | - Chase Rack Backer Plates | | |

Assembly:

1. Connect the front-most cross member to both side pieces. Use the supplied 3/8" Bolts (x16), 3/8" Washers (x16), and 3/8" Lock Nuts (x16). Leave these bolts loose for now. (Fig A) **The front-most cross member is the one with the cut out sidewall. The cut out sidewall goes towards the rear glass of the vehicle.**



2. Repeat Step 1 with the center cross member. The center cross member has both side walls and does not have a third brake light cutout. Use the supplied 3/8" Bolts (x16), 3/8" Washers (x16), and 3/8" Lock Nuts (x16). Leave these bolts loose for now. (Fig B)



Fig B

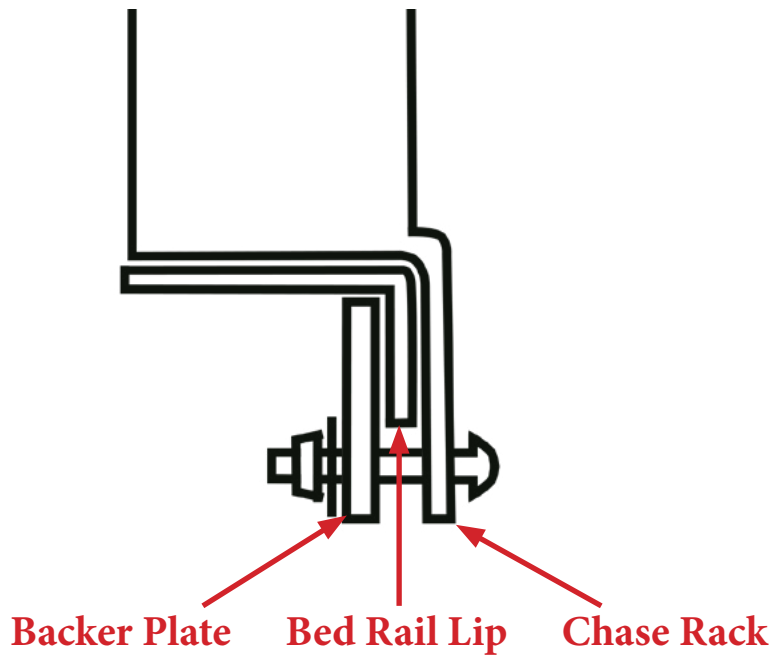
3. Repeat Steps 1 & 2 with the rear cross member. The rear cross member has the third brake light cut out in it. Use the supplied 3/8" Bolts (x16), 3/8" Washers (x16), and 3/8" Lock Nuts (x16). Leave these bolts loose for now. (Fig C)



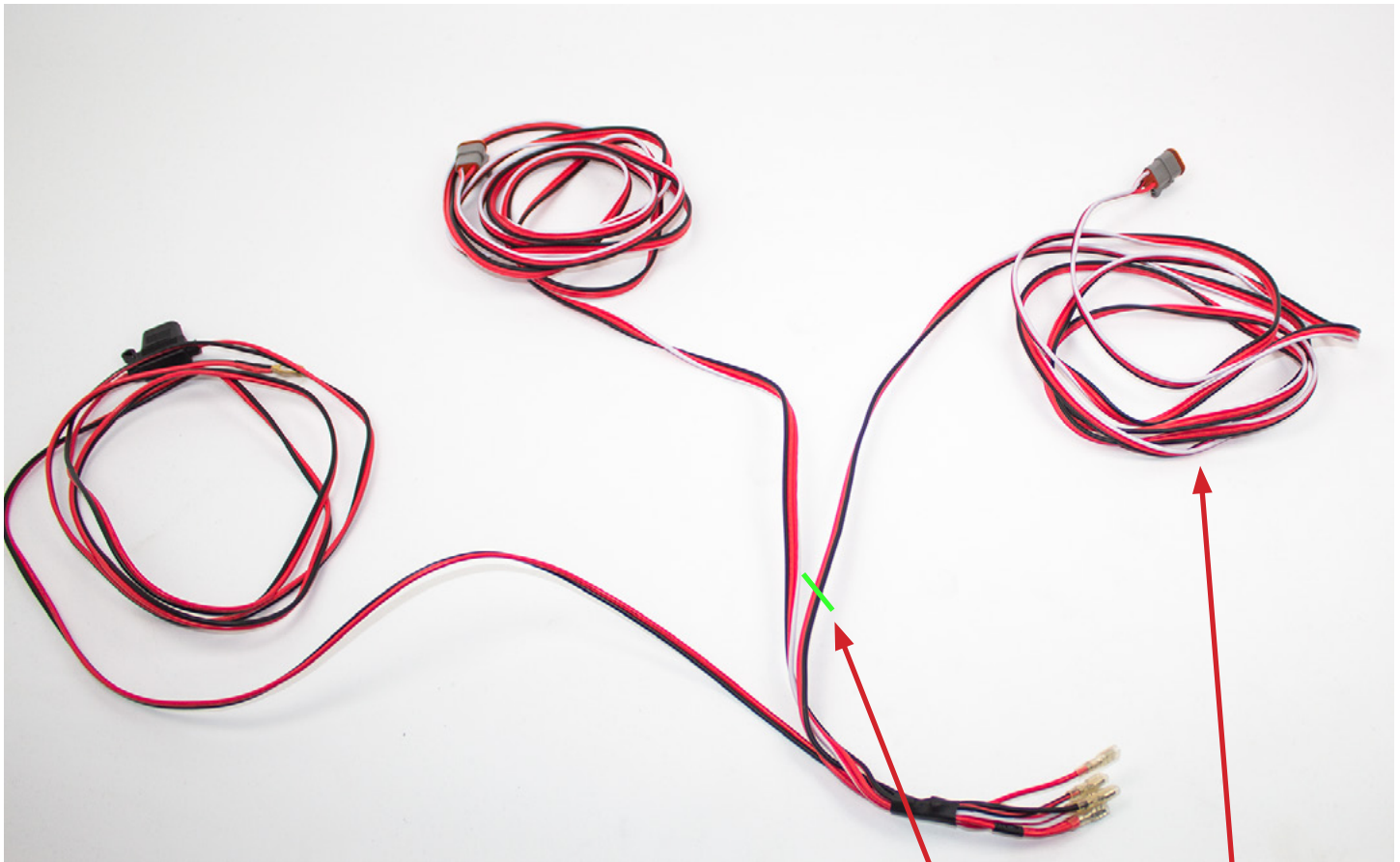
Fig C

Installation:

4. Set the assembled rack in place on the vehicle. Then, find all four backing plates. Set the backing plates in position so that the chase rack and the backing plates sandwich the bed rail lip. Use the supplied 1/2" Bolts (3 per plate), 1/2" Washers (3 per plate), and 1/2" Lock Nuts (3 per plate). Once all 1/2" hardware has been loosely installed, go back and torque them to 70 foot pounds. (Fig D)



5. Center all of the cross members so that the gap between the end of the cross members and the side tubes is even on both sides of the cross member. Then, tighten all the 3/8" assembly bolts to 30 foot pounds.
6. If you purchased a light with your rack, you can install that now. Please follow the light manufacturer's guide for mounting information.
7. Find the supplied harness. You will only use one of the branches of the harness with a plug on it. You can cut that branch off the harness before the three branches join together. Refer to (Fig E).

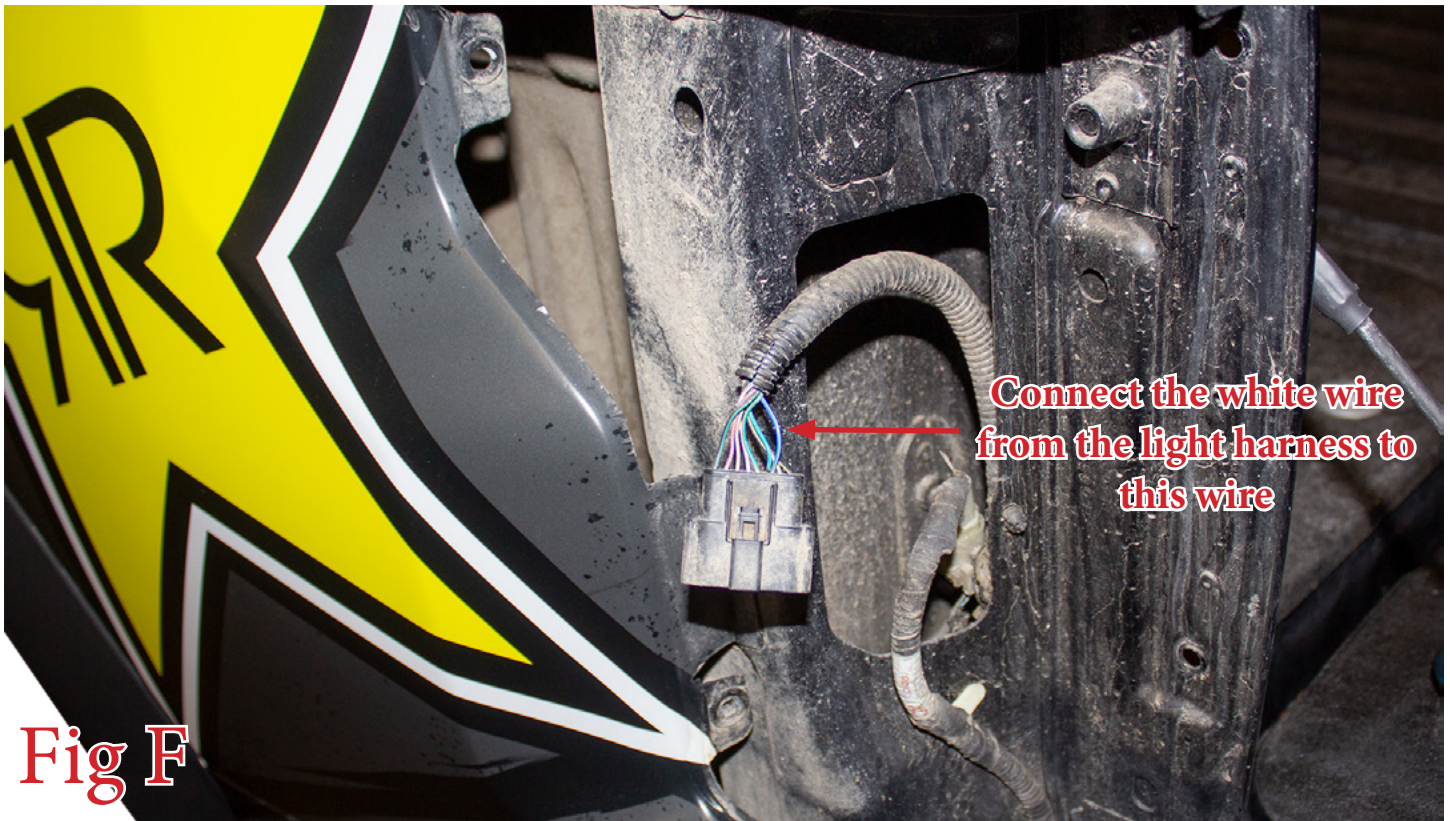


Your harness should now look like this.

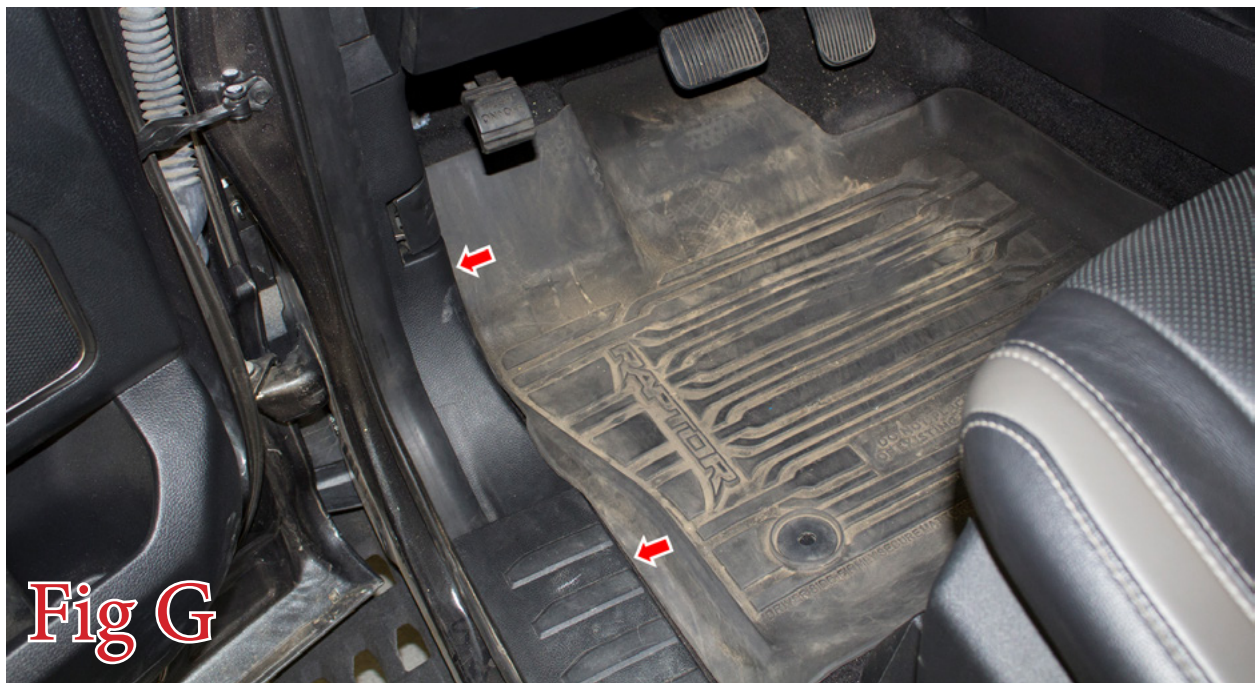


Fig E

8. Separate the white wire from the red/black wires. Then, send the white wire to the taillight pocket. Connect the white wire from the light harness to the blue with a grey stripe wire from the taillight connector. (Fig F)



9. 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)



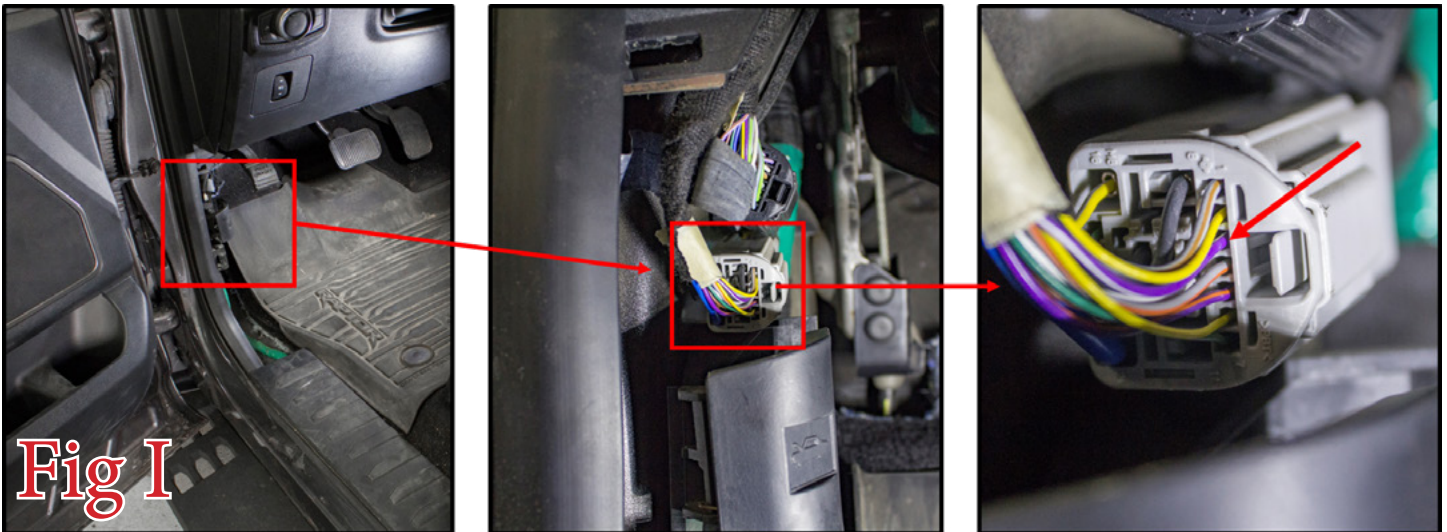
10. Lift the edge of the carpet and find the body plug that runs close to the door sill. Remove this body plug, cut a slit in it with a utility knife, then reinstall the plug. (Fig H)



11. Send the red and black wires down the driver side of the frame rail underneath the truck. Then, pass them into the cab through the newly cut grommet. You may need to extend the wires for them to reach.

12. Connect the black wire to one of the ground bolts behind the kick panel you removed.

13. Find the purple with a white stripe wire on the gray connector directly above the hood prop lever. Connect the red wire from the light harness to this wire. (Fig I) shows the location of this wire.



14. Reinstall your kick panels.

15. Stand back and enjoy your new ADD Overlander Chase Rack.
16. Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.

