

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 | - 3/4" Socket/Wrench | - 9/16" Socket |
| - 5/16" Allen Wrench/Socket | - E6 External Torx Socket | - 8mm Socket |
| - 11mm Socket | - 13mm Socket | - 15mm Socket |
| - 21mm Socket | | |

Included in Kit:

- | | |
|--|-------------------------------------|
| 2 - Button Head Bolts (1/2"-13 x 1 1/2") | 6 - Hex Head Bolts (3/8"-16 x 1") |
| 4 - Flat Washers (1/2") | 4 - Fender Washers (3/8") |
| 2 - Nylon Lock Nuts (1/2"-13) | 2 - Flat Washers (3/8") |
| 4 - Extra Long U-Nuts (3/8"-16) | 2 - Regular Length U-Nuts (3/8"-16) |

****If you plan to keep your adaptive cruise control function, you must install our ACC relocation bracket. Instructions can be found here****

<https://www.addictivedesertdesigns.com/files/install/ADD-2015-2017-F150-2017-Current-Raptor-ACC-Bracket-Installation-Instructions.pdf>

Removal:

1. Using 13mm and 15mm Sockets, remove the skid plate bolts (x6). Then, remove the skid plate from the truck. (Fig A)



Fig A

2. Remove the metal spacer that the bottom two skid plate bolts go through. (Fig B)

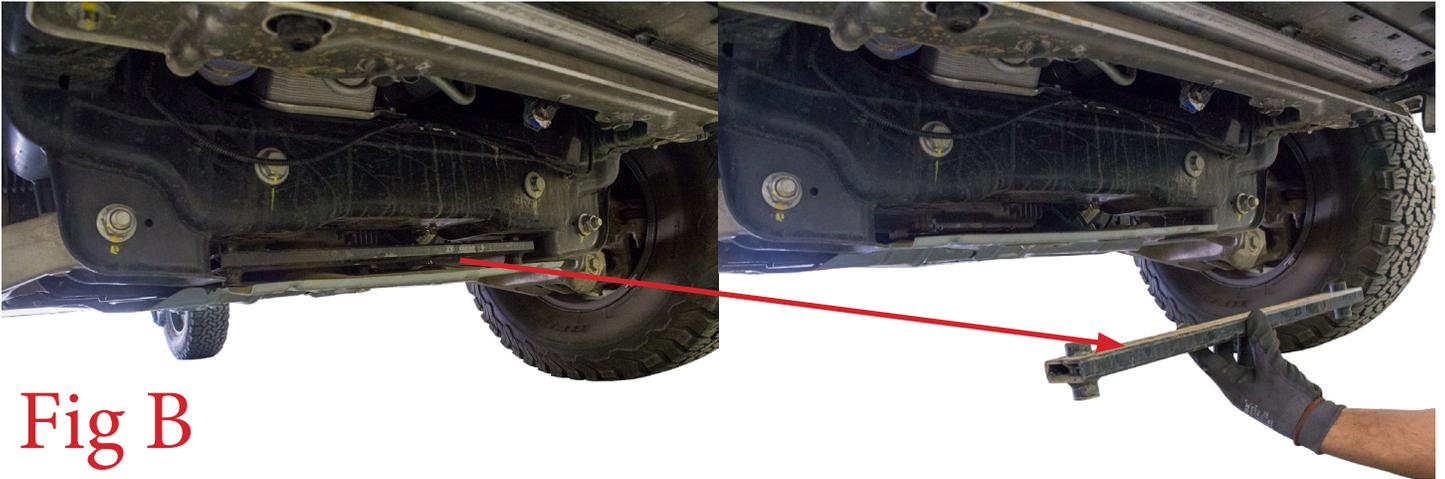


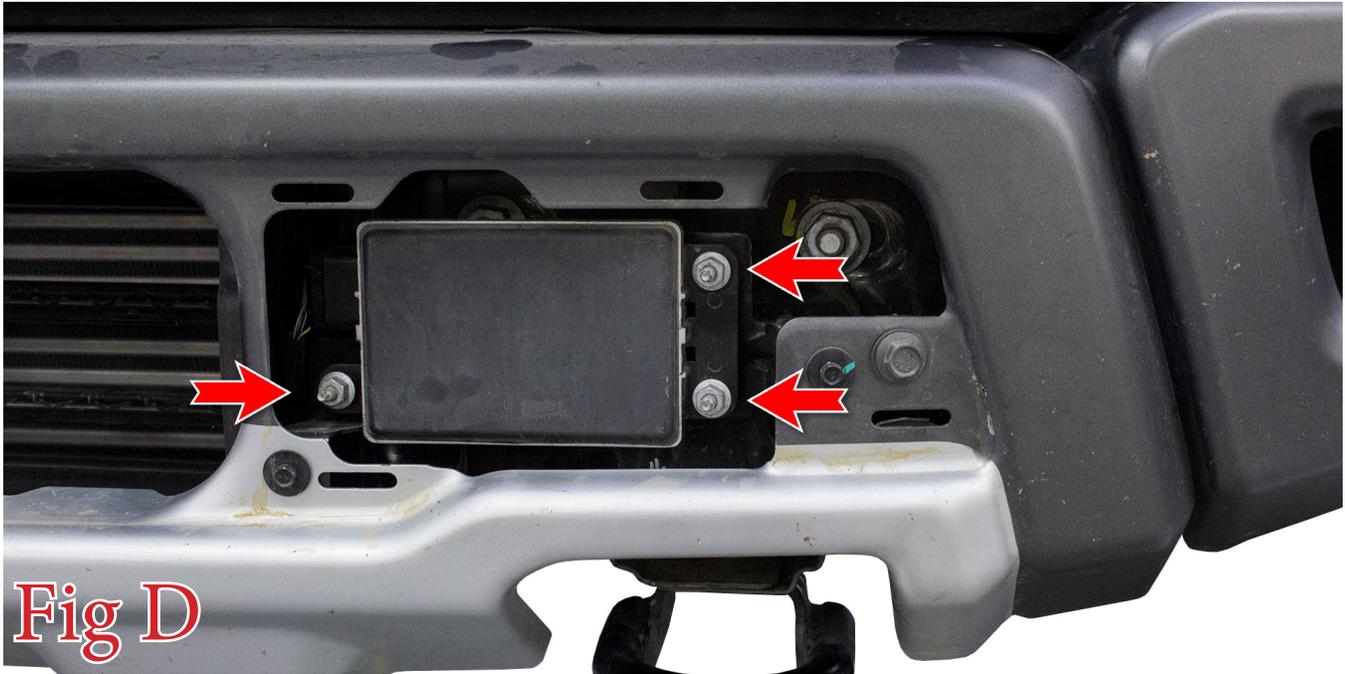
Fig B

3. Carefully pull the front plastic piece off of the bumper. There are no tools required for this step, it simply pulls off by hand. (Fig C)

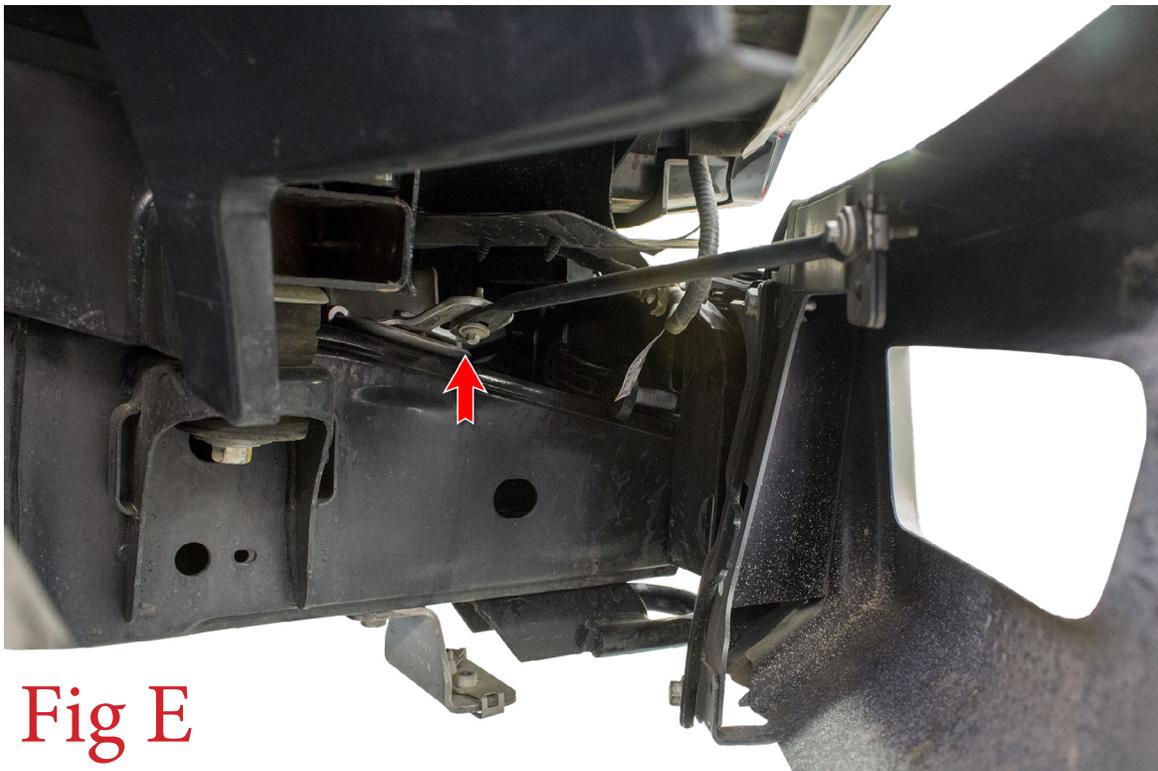


Fig C

4. Remove your Adaptive Cruise Control Module. Using an 11mm Socket, remove the three nuts holding the Module on. Then, use an E6 External Torx Socket to remove the three studs holding the module on. Then, unplug and remove the module from the truck. Follow our ACC Bracket instructions (link at the beginning of this document) if you are relocation your adaptive cruise control module. (Fig D)



5. Use an 8mm Socket to remove the bolt that holds on the bumper side support bar. Repeat this step on the other side of the vehicle. (Fig E)



6. Use a 21mm Socket to remove the nuts that hold on the front bumper. There are three per side. Two of the nuts (per side) face the front (they were hidden behind the plastic piece you removed in Step 3). One of the nuts (per side) faces the rear of the vehicle and is accessible from underneath the truck. (Fig F)

View From the Front

View From the Rear



7. Remove the bumper from the truck. As you are removing the bumper, release the plastic clips that hold the rubber shroud to the top side of the bumper. (Fig G)



Fig G

8. Remove each of the skid plate mounting brackets by removing the bolt (13mm) that holds them on. There is one bolt per bracket. (Fig H)



Fig H

9. Using an 8mm Socket, remove the four mounting bolts for the intercooler scoop. Then, remove that scoop from the vehicle. As you remove the scoop, unplug the intercooler shutter motor. (Fig I)

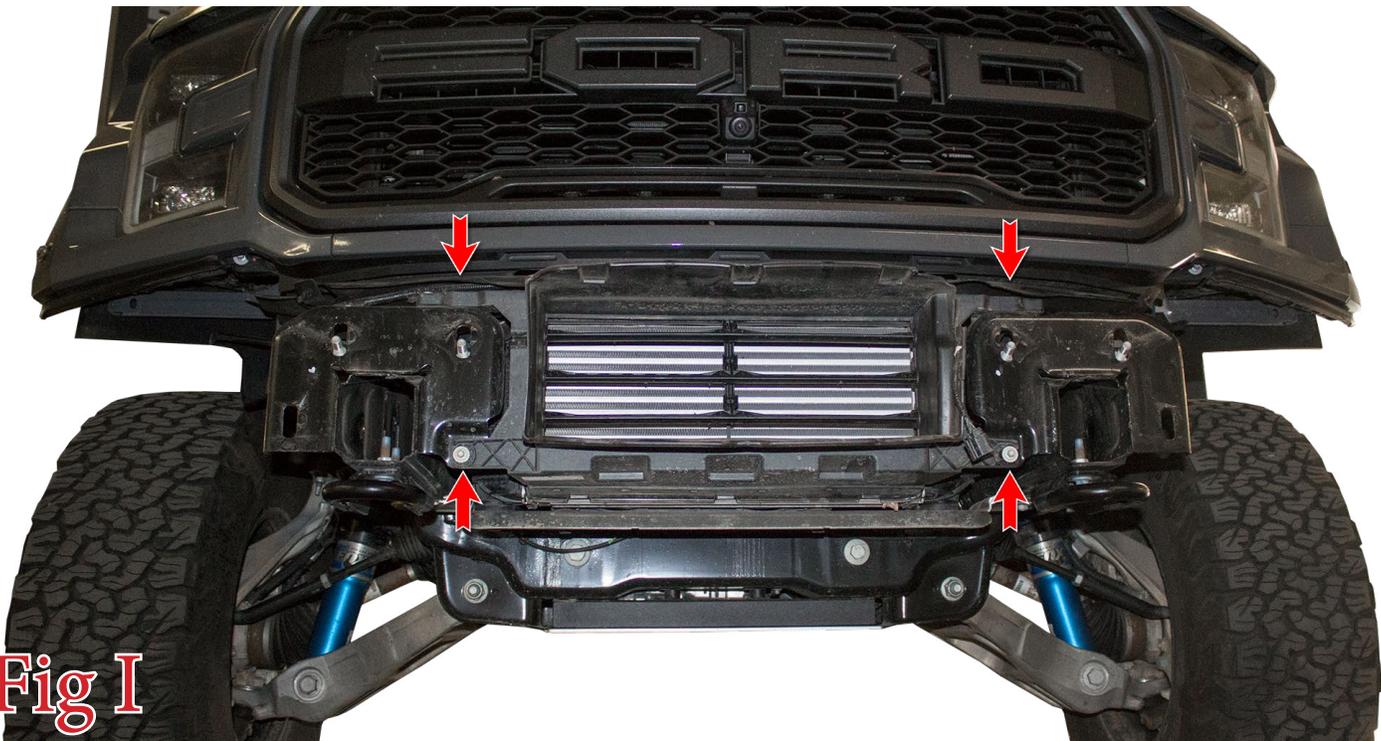


Fig I



10. Release the clip holding the intercooler shutter motor to the scoop assembly. Then, remove that motor from the assembly. (Fig J)

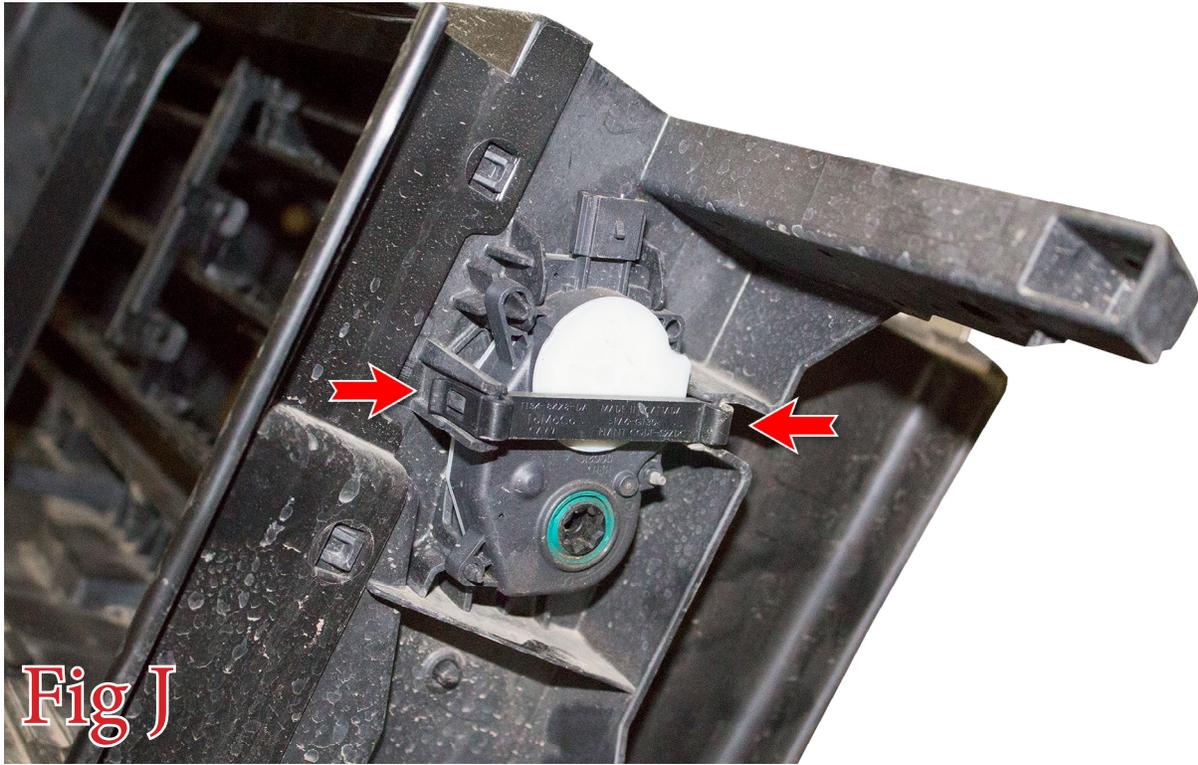


Fig J

11. Plug the intercooler shutter motor back into the harness on the vehicle and zip tie it up and out of the way. (Fig K)



Fig K

12. Remove the factory nut clips from the bottom two skid plate mounting holes on the vehicle's frame. (Fig L)

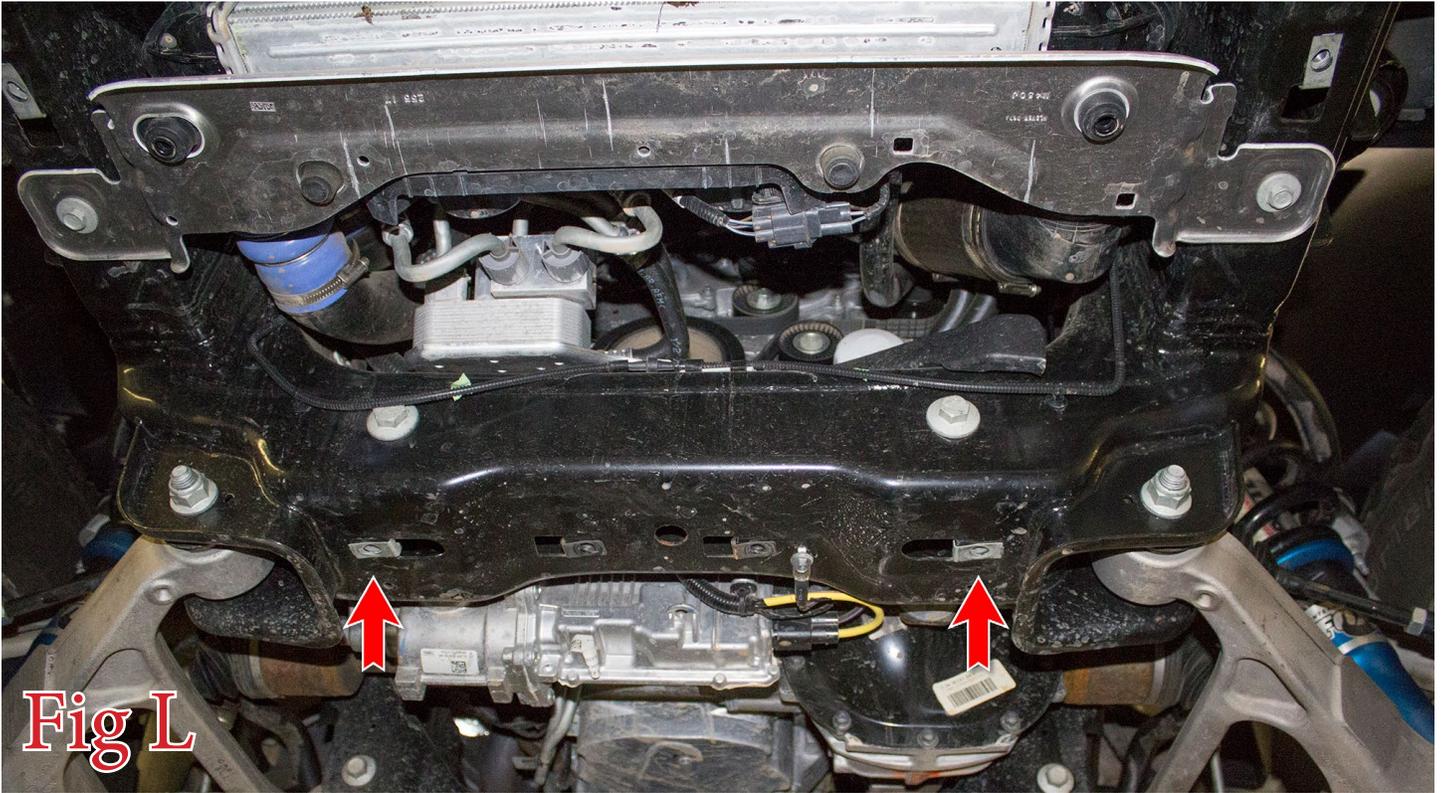


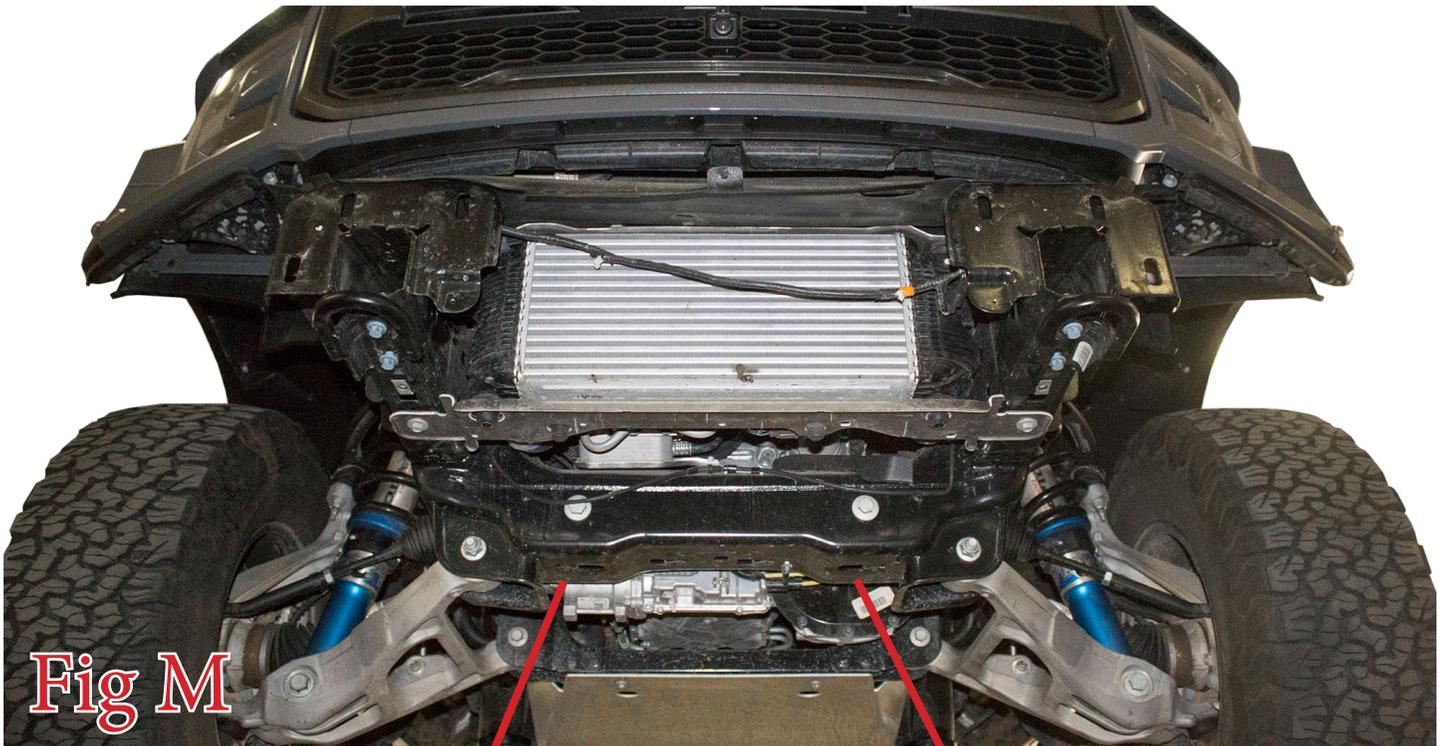
Fig L

Installation:

13. If you have any lights to install on your bumper, now is a good time to do so. Please use the brackets in the supplied universal light mount kit to mount your lights (**NOT** the brackets the light manufacturer sends). For installation information on our universal light mount kit, visit: <https://www.addictivedesertdesigns.com/files/install/ADD-Universal-Light-Mount-Kit-Installation-Instructions.pdf>

For wiring information, please follow the light manufacturer's installation instructions.

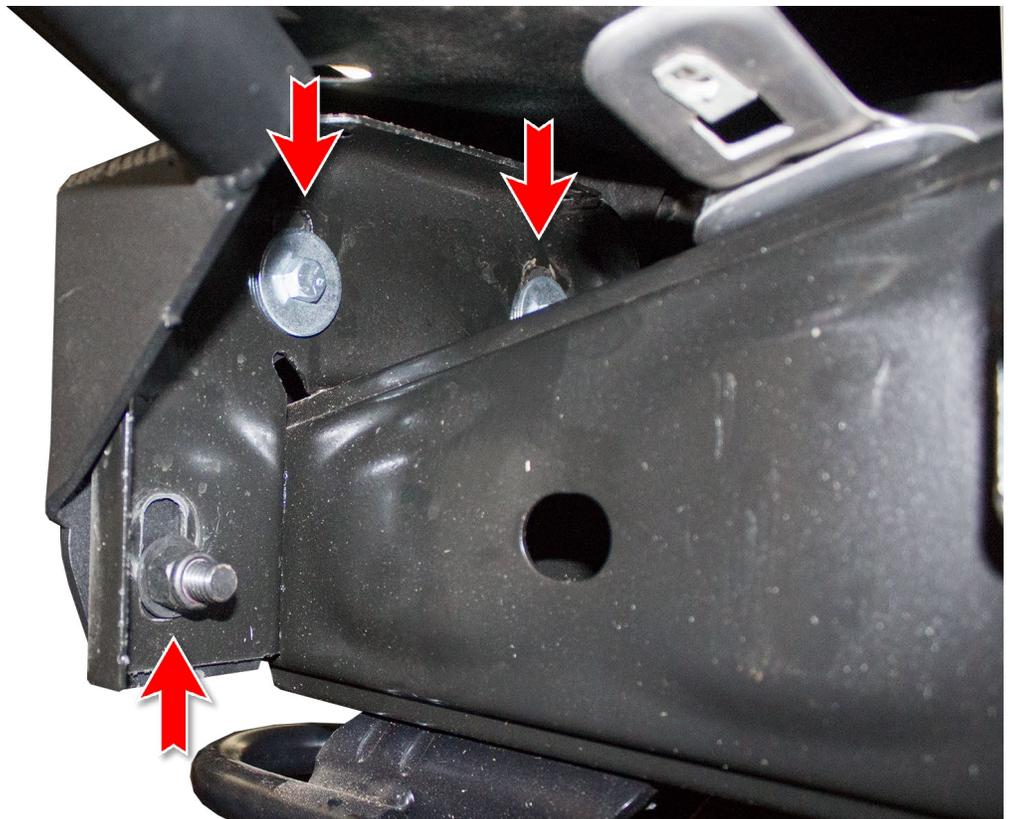
14. Install the supplied Regular Length 3/8" U-Nuts (x2) into the holes you removed the factory U-Nuts from in Step 12. (Fig M)



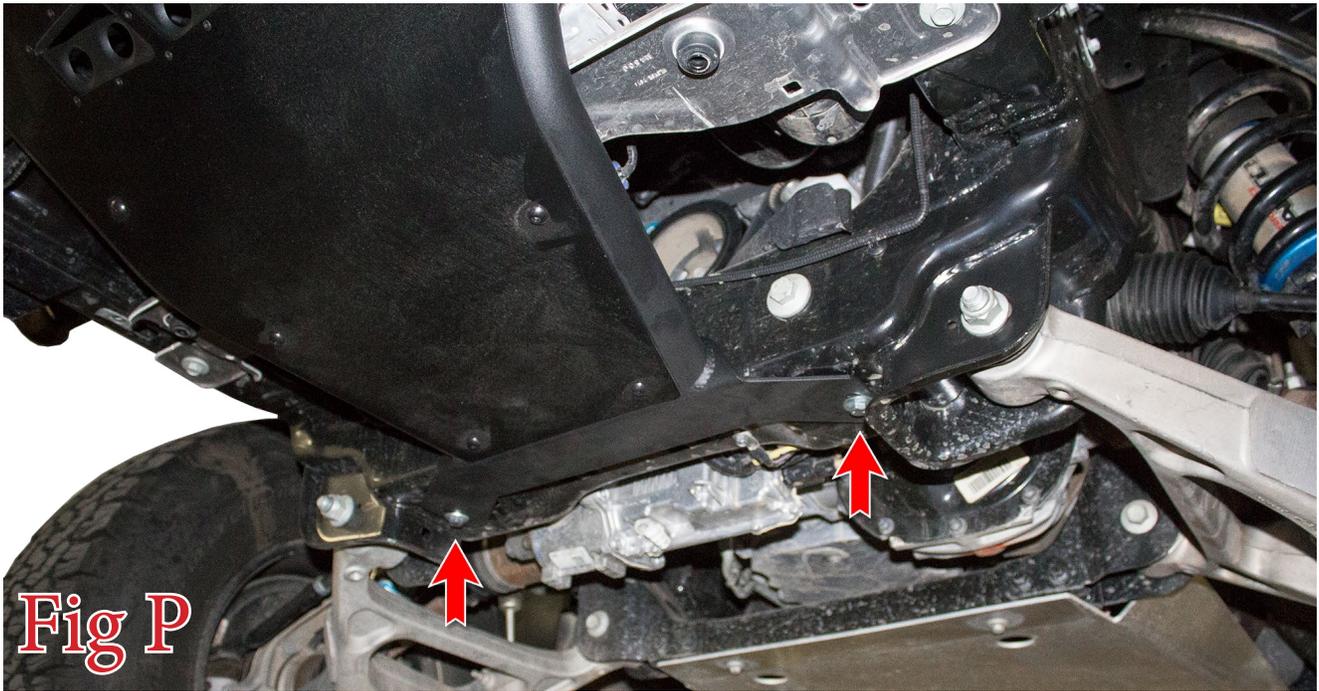
15. Install the supplied Extra Long 3/8" U-Nuts (x4) on the upper mounting holes of your new bumper. (Fig N)



16. Set the bumper in place on the vehicle. Line the mounting holes on the bumper up with the mounting holes on the vehicle's frame horns. Then, install the supplied 3/8" Hex Head Bolts (x4) and 3/8" Fender Washers (x4) into the top mounting holes from the back side of the frame horns. Install the supplied 1/2" Button Head Bolts (x2), 1/2" Washers (x4), and 1/2" Lock Nuts (x2) into the lower mounting holes on the frame horns. Leave these bolts loose for now. (Fig O)



17. Install the supplied 3/8" Hex Head Bolts (x2) and 3/8" Flat Washers (x2) into the skid plate mounting holes. Leave these bolts loose for now. (Fig P)



18. Align your bumper so it is centered left to right and sits straight in relation to the vehicle's grille/valance. Then, tighten the 1/2" mounting bolts to 70 foot pounds and the 3/8" mounting bolts to 25 foot pounds.
19. Stand back and enjoy your new ADD Pro™ Bolt On Front Bumper.
20. Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.

