

## 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: **2 Hours for OEM Removal/Bumper Installation**

**1 Additional Hour to Wire Center Lights**

**1 Additional Hour to Wire Side Lights**

*\*\*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      | - 5.5mm Socket         | - 7mm Socket        |
| - 8mm Socket   | - 10mm Socket          | - 21mm Socket       |
| - 9/16" Socket | - 3/4" Socket & Wrench | - Reciprocating Saw |
| - Black Paint  |                        |                     |

## Included in Kit:

- |  |  |
|--|--|
| <b>6</b> - Hex Head Bolts (3/8"-16 x 1") | <b>6</b> - Fender Washers (3/8")             |
| <b>6</b> - Long U-Nuts (3/8"-16)         | <b>2</b> - Carriage Bolts (3/8"-16 x 1 1/2") |
| <b>2</b> - Flat Washers (3/8")           | <b>2</b> - Nylon Lock Nuts (3/8"-16)         |
| <b>2</b> - Light Mount Tabs              | <b>2</b> - Bumper Side Pods                  |
| <b>1</b> - Bumper Center Section         |  |

*\*\*If you are installing an Adaptive Cruise Control Relocation Bracket, please copy and paste the following address in your browser for installation information\*\**

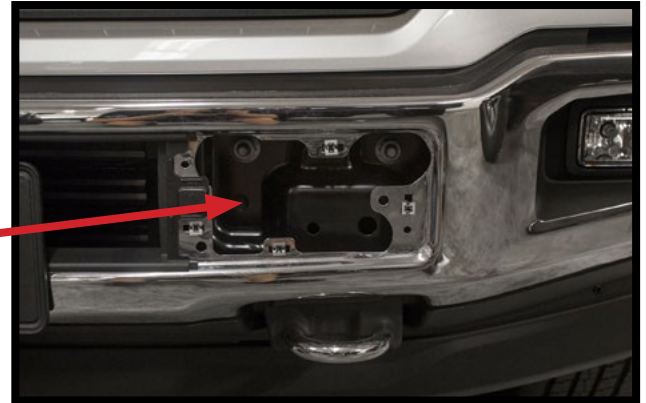
<http://www.addictivedesertdesigns.com/images/ADD%202015-Current%20F150%20Adaptive%20Cruise%20Relocation%20Bracket%20Installation%20Instructions.pdf>

**Removal:**

1. From underneath the truck, unplug the fog light connectors.
2. Pull the front plastic pods off each end of the OEM bumper. There are no tools required for this step, they simply pull off by hand. (Fig A)



**Fig A**



3. From underneath the truck, remove the two plastic clips holding the fog light harness to the OEM bumper. (Fig B)



**Fig B**



- Using a 21mm Socket, remove the OEM bumper mounting bolts. There are two (per side) on the front side of the bumper and one (per side) on the rear side of the bumper. (Fig C)

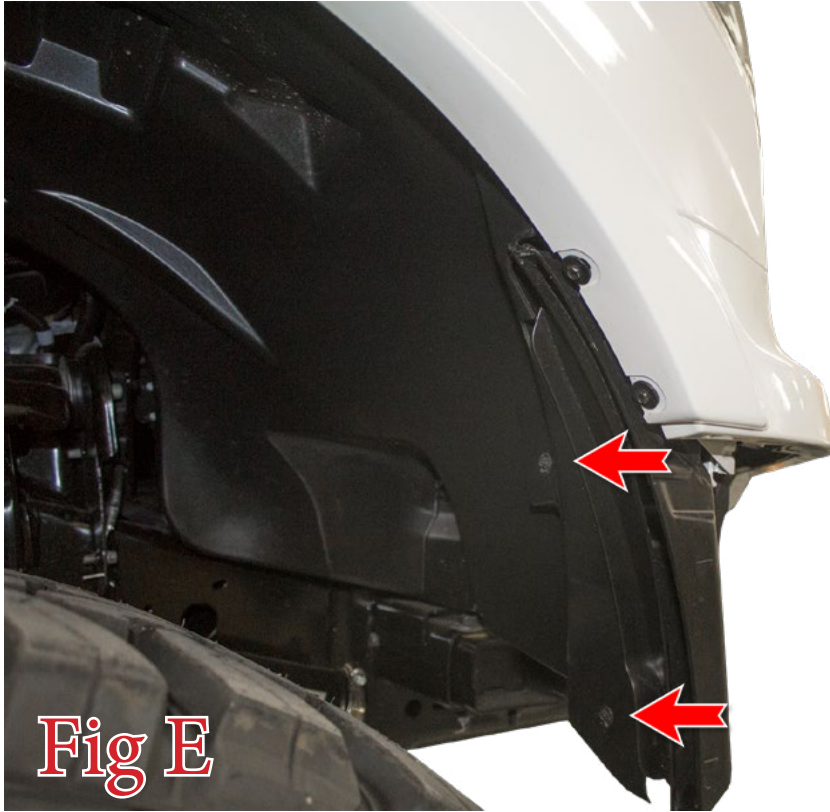


- Remove the OEM Bumper from the vehicle.
- Using a 7mm Socket, remove the two most forward bolts in the wheel well of your vehicle. (Fig D)





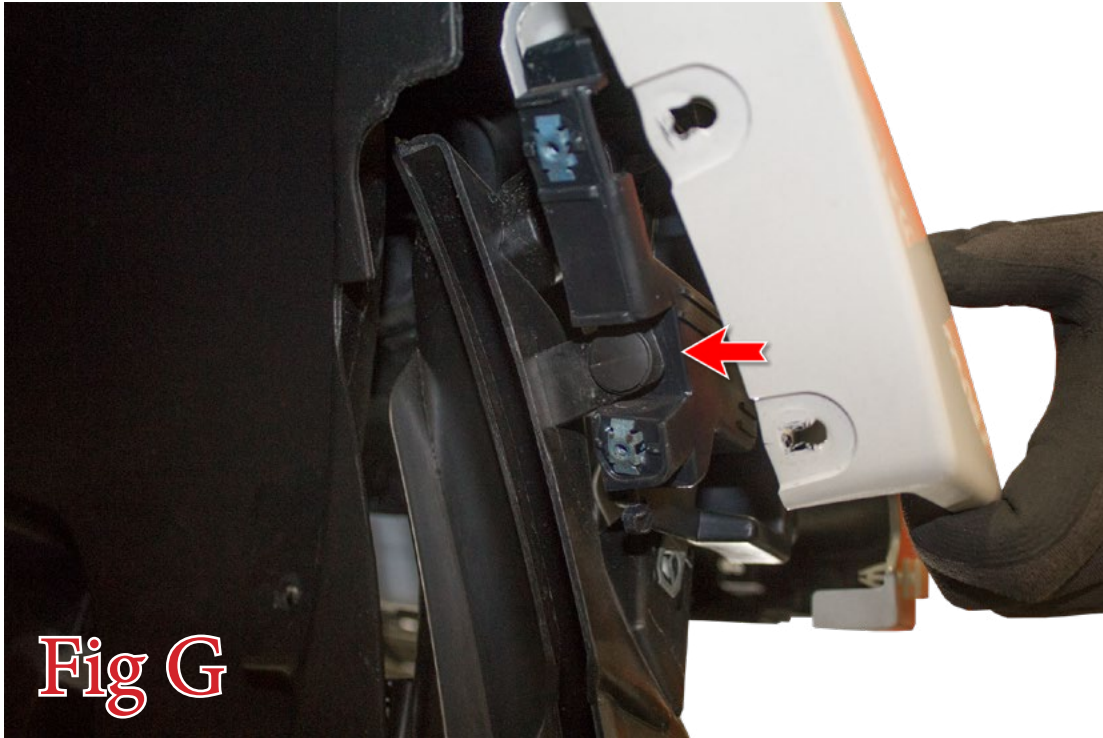
7. Using a 5.5mm Socket, remove the two inner fender bolts referenced in (Fig E).



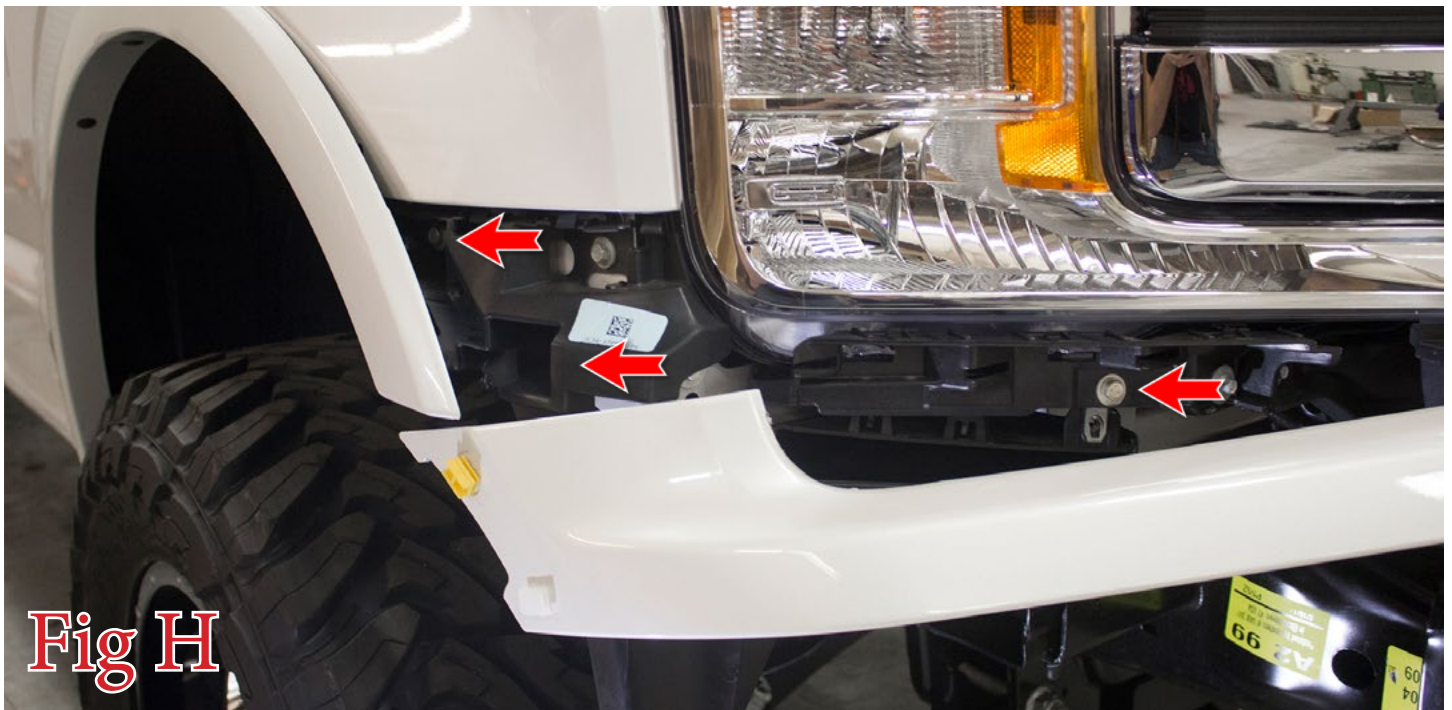
8. Pull the fender flare free from the valance. Then, pull the valance free to expose the air dam sitting behind it. (Fig F)



9. Remove the plastic clip that was sitting just behind the fender flare. (Fig G)

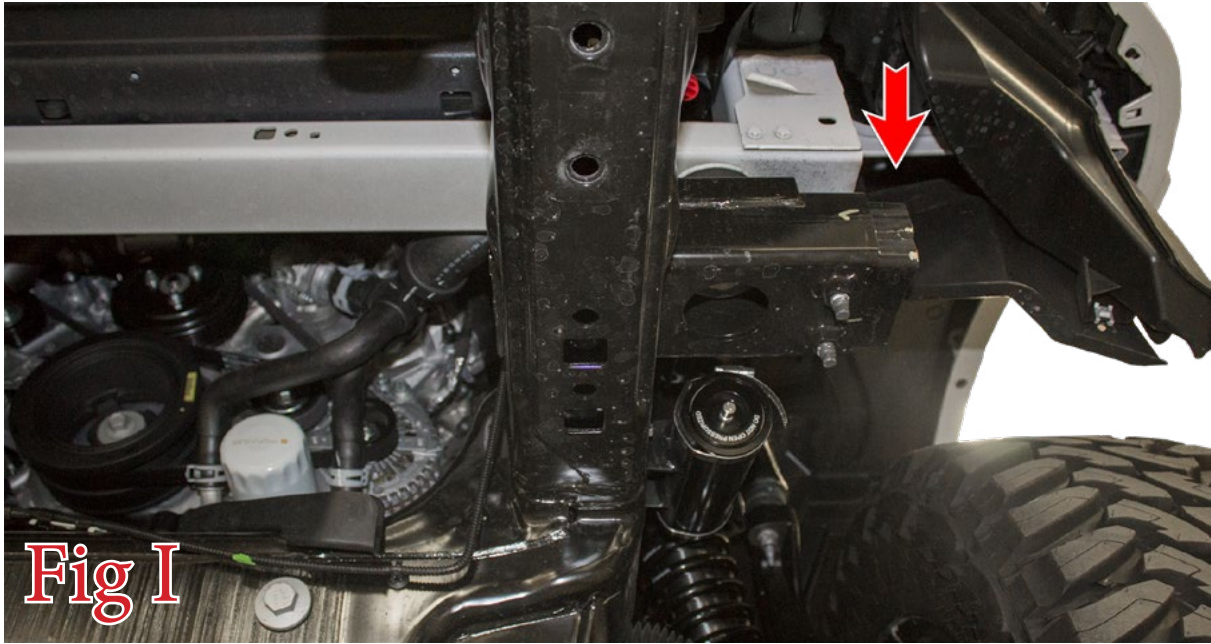


10. Using a 10mm Socket, remove the air dam mounting bolts (x3). Then, remove this air dam from the vehicle. (Fig H)



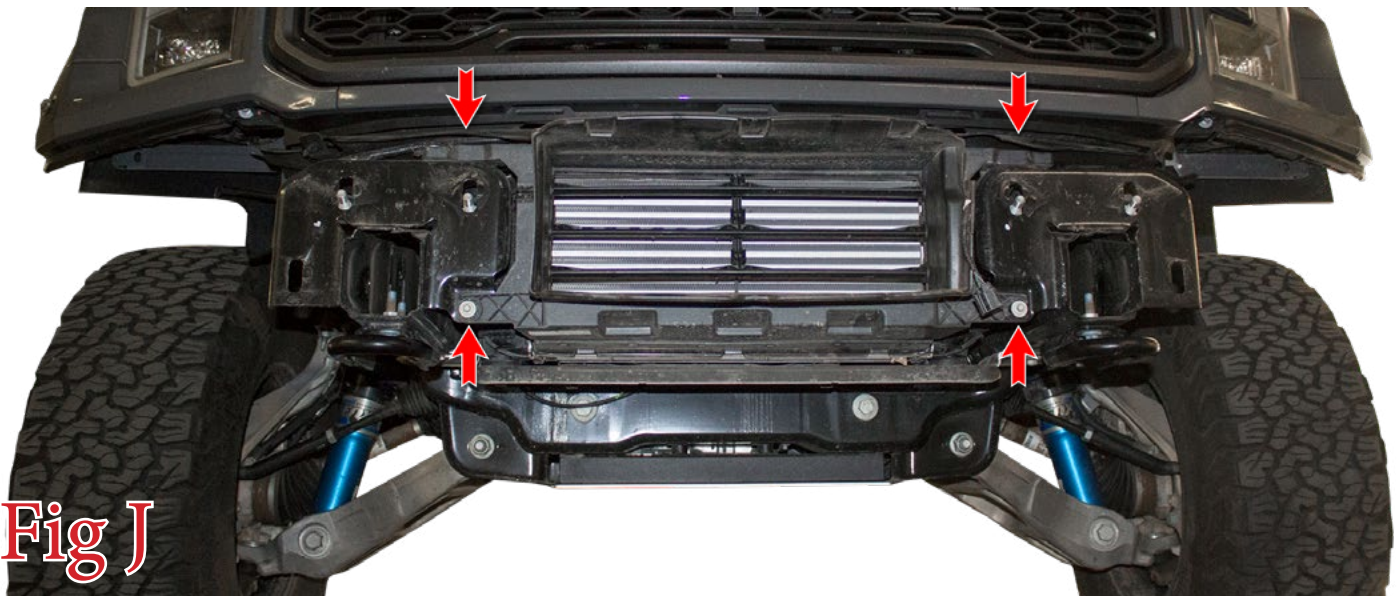


11. Push the valance back into place on the truck until it clicks into place. Then, push the fender flare back into place and reinstall the bolts you removed in Step 6.
12. Using a reciprocating saw or something similar, cut off the crash bars in the front section of the wheel well. Make sure to paint over any bare metal when you are done. (Fig I)



**Fig I**

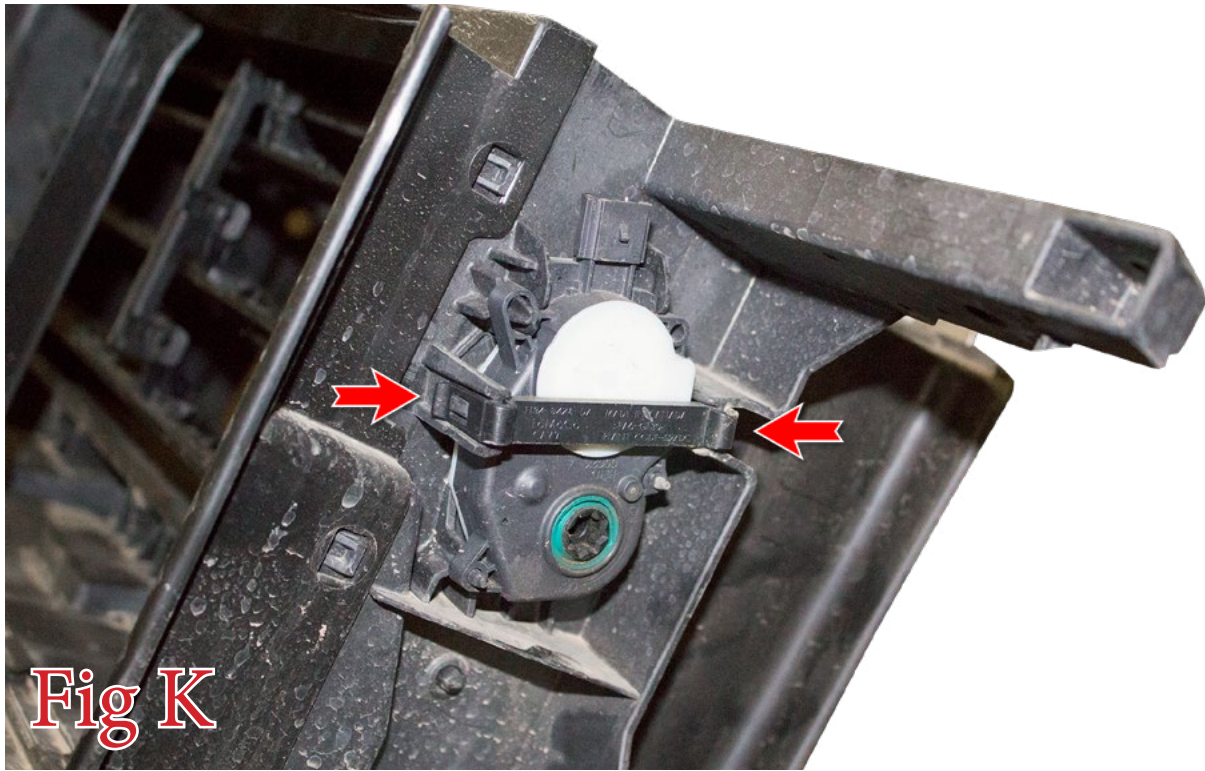
13. Repeat Steps 6-12 on the other side of the vehicle.
14. If you have an Ecoboost engine, use an 8mm Socket to remove the four mounting bolts for the intercooler scoop. Then, remove that scoop from the vehicle. As you remove the scoop, unplug the intercooler shutter motor. (Fig J)



**Fig J**

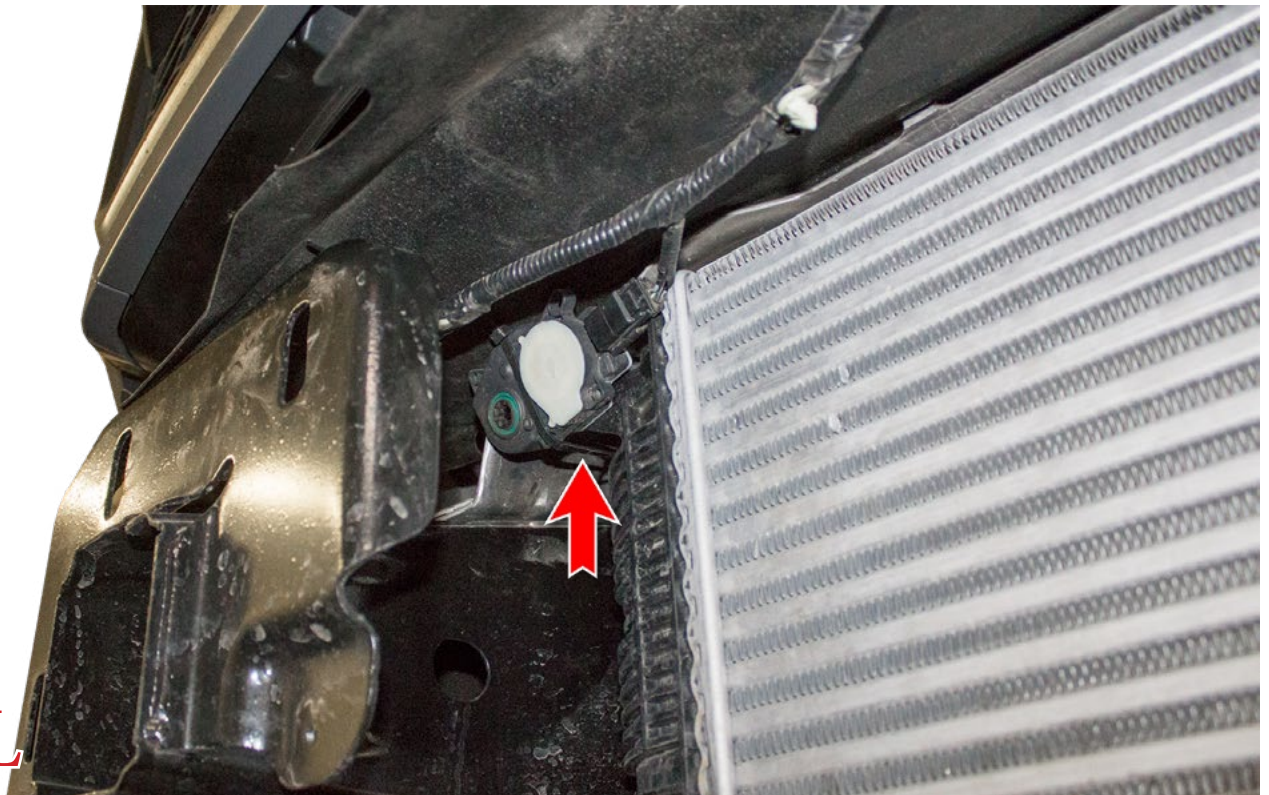


15. Release the clip holding the intercooler shutter motor to the scoop assembly. Then, remove that motor from the assembly. (Fig K)



**Fig K**

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

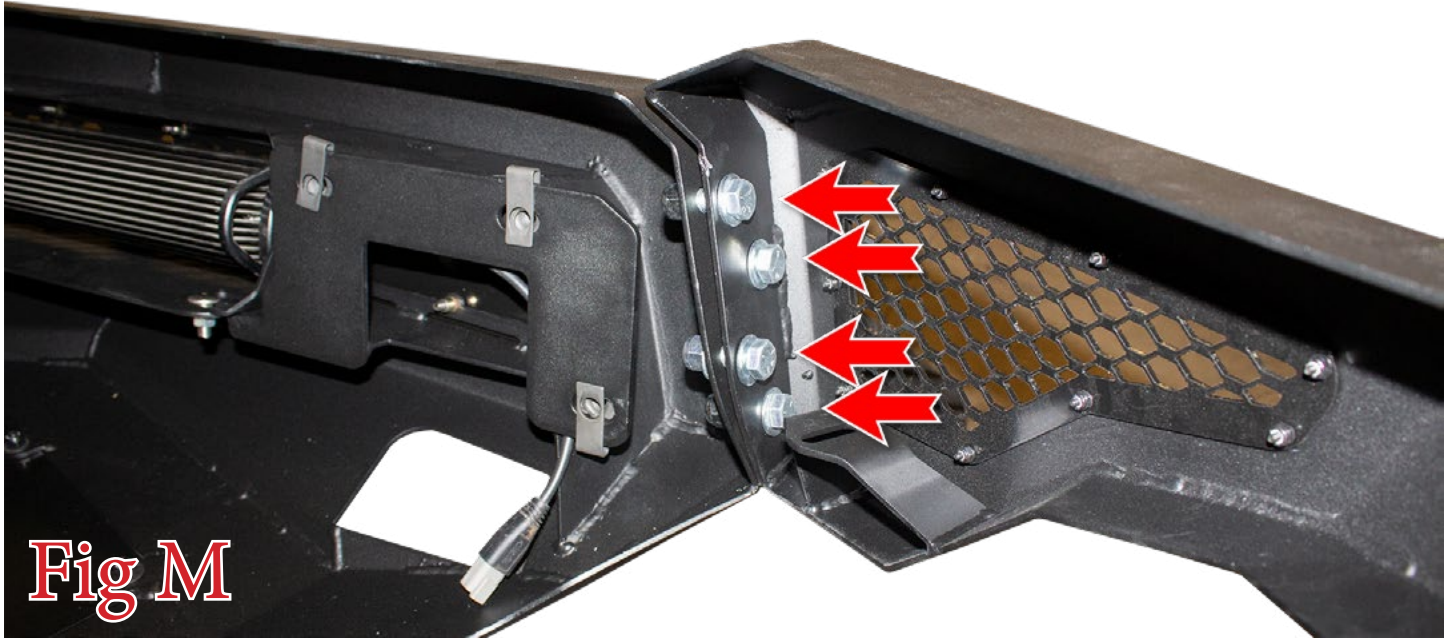


**Fig L**



## Installation:

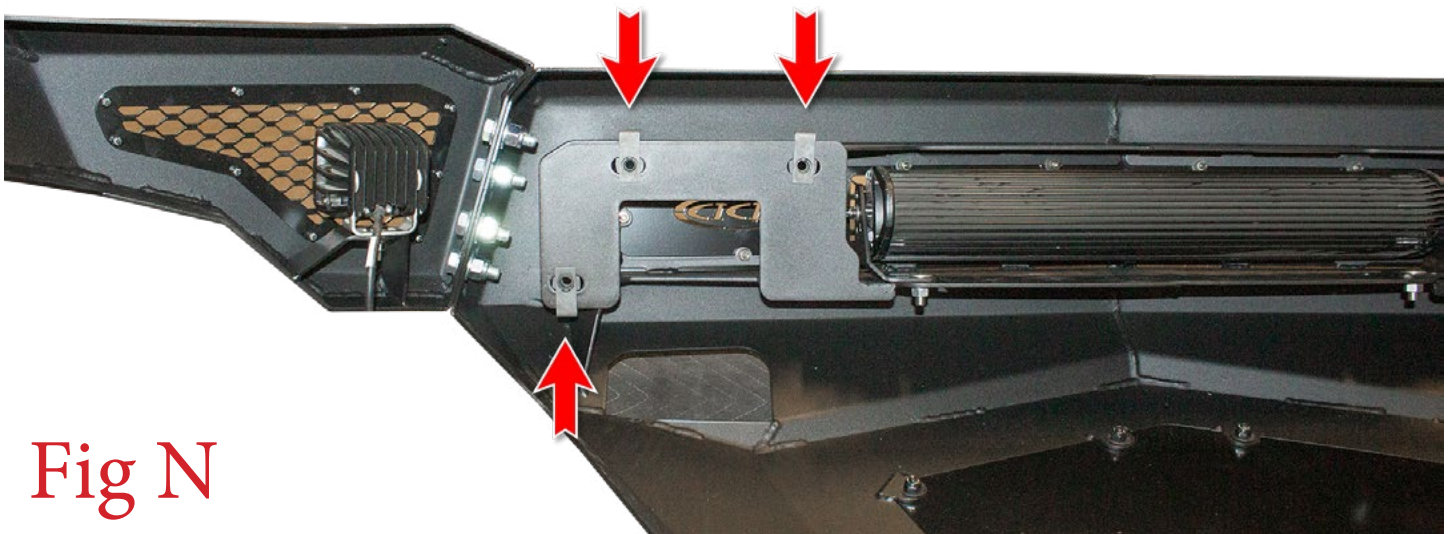
17. Bolt the side pods onto the main section of the bumper. Use the supplied 1/2" Bolts (4 per side), 1/2" Washers (8 per side), and 1/2" Lock Nuts (4 per side) to secure them. Once all bolts are loosely installed, go back and torque them to 70 foot pounds. (Fig M)



**Fig M**

18. If you have any lights to install on your bumper, do so now. Use the supplied light tabs for the center light bar. Follow the light manufacturer's guide for wiring information.

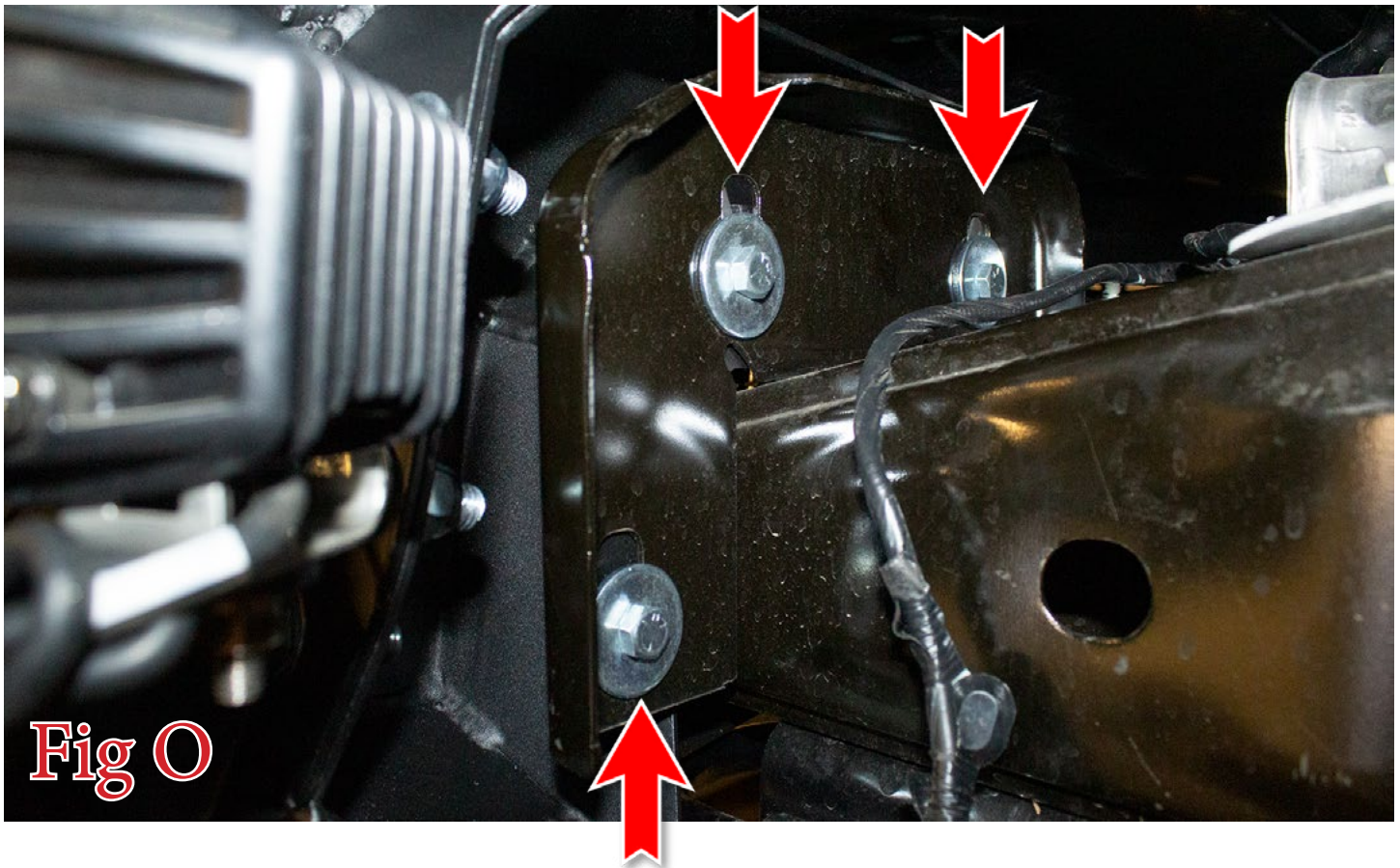
19. Install the supplied U-Nuts (x6) onto your bumper as shown in (Fig N).



**Fig N**



20. Set the bumper in place on the vehicle. Then, loosely install the supplied 3/8" Bolts (x6) and 3/8" Fender Washers (x6) from the back side of the frame horns. (Fig O)



21. Align your bumper so it is centered left to right and straight in relation to the grille/valance. Then, tighten the 3/8" mounting bolts to 25 foot pounds.
22. If the side pods of the bumper won't line up well, you may need to loosen the bolts from Step 17, reposition the side pods, then retighten those bolts.
23. Stand back and enjoy your new ADD Stealth™ Front Bumper.
24. Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.

