

## 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:

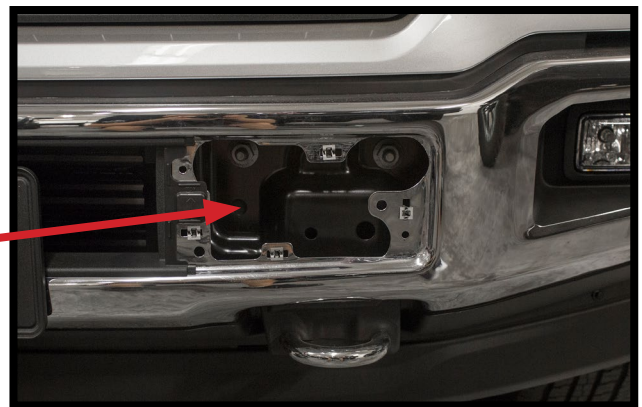
- |                     |                |                             |
|---------------------|----------------|-----------------------------|
| - Ratchet           | - 5.5mm Socket | - 7mm Socket                |
| - 10mm Socket       | - 21mm Socket  | - 3/4" Socket or Wrench     |
| - 9/16" Socket      | - 15mm Socket  | - 5/16" Allen Wrench/Socket |
| - Reciprocating Saw | - Black Paint  |                             |

## Included in Kit:

- |  |                                      |
|--|--------------------------------------|
| 2 - Black Button Head Bolts (1/2"-13 x 1 1/2") | 4 - Black Washers (1/2")             |
| 2 - Black Lock Nuts (1/2"-13)                  | 2 - Grade 8 Bolts (3/8"-16 x 1 1/2") |
| 2 - Flat Washers (3/8")                        | 2 - Extruded U-Nuts (3/8"-16)        |
| 1 - Winch Plate                                |                                      |

## 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**

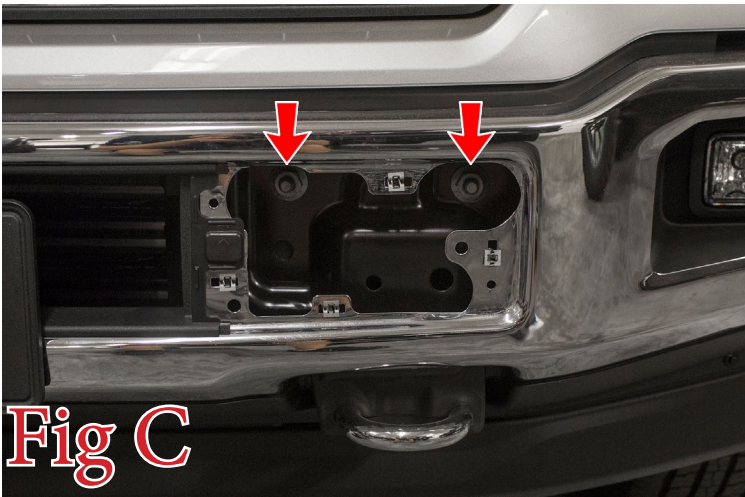
5. From underneath the truck, remove the two plastic clips holding the fog light harness to the OEM bumper. (Fig B)



**Fig B**



3. 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)

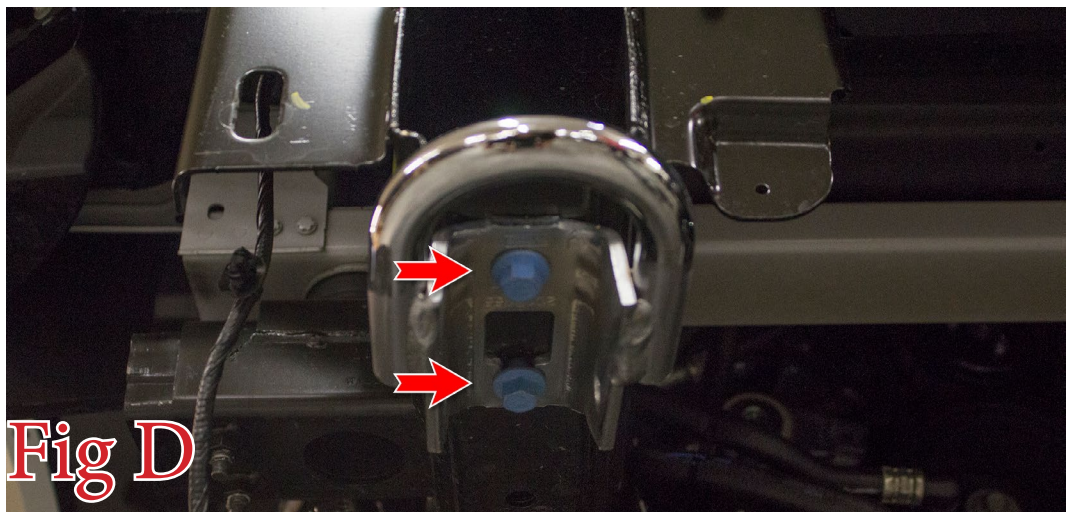


**Fig C**



4. Remove the OEM Bumper from the vehicle.

6. Using a 15mm Socket, remove the tow hook mounting bolts (2 per side). Then, remove the tow hooks from the vehicle. (Fig D) Save these bolts for reuse.



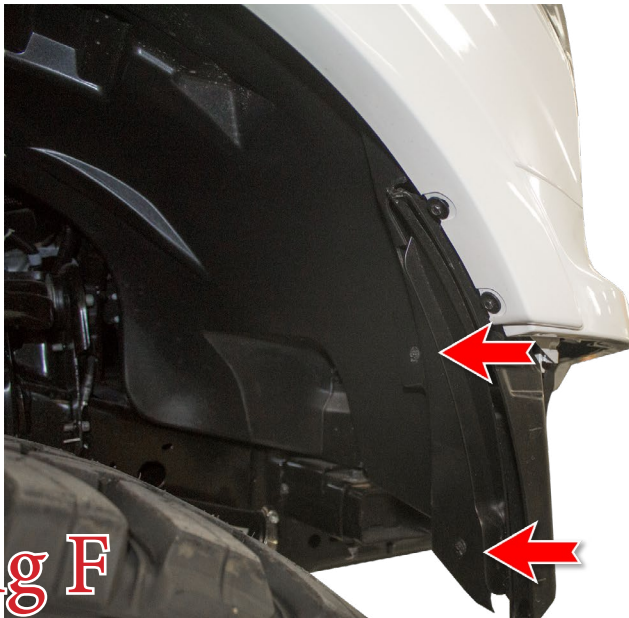
**Fig D**

7. Using a 7mm Socket, remove the two most forward bolts in the wheel well of your vehicle. (Fig E)



**Fig E**

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



**Fig F**

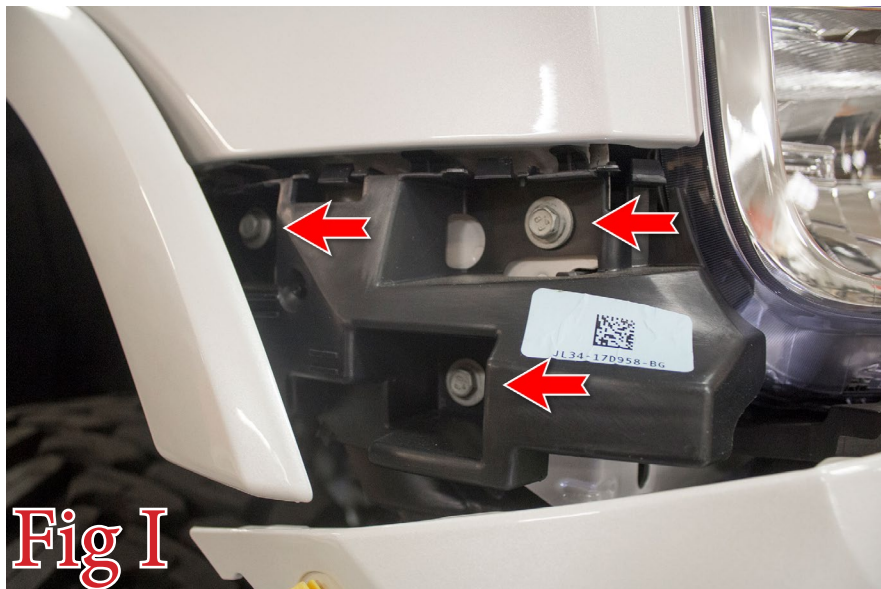
9. Pull the fender flare free from the valance. Then, pull the valance free to expose the air dam sitting behind it. (Fig G)



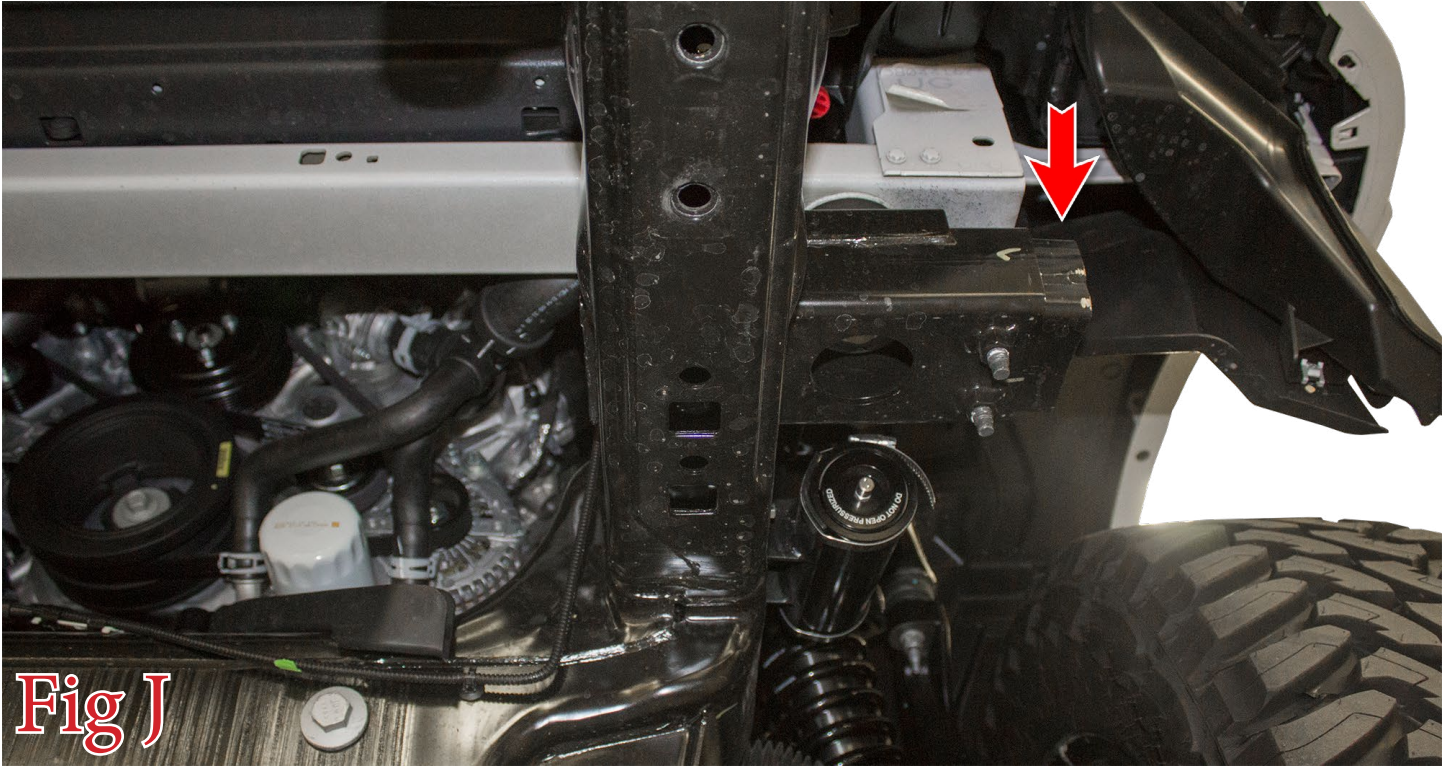
10. Remove the plastic clip that was sitting just behind the fender flare. (Fig H)



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



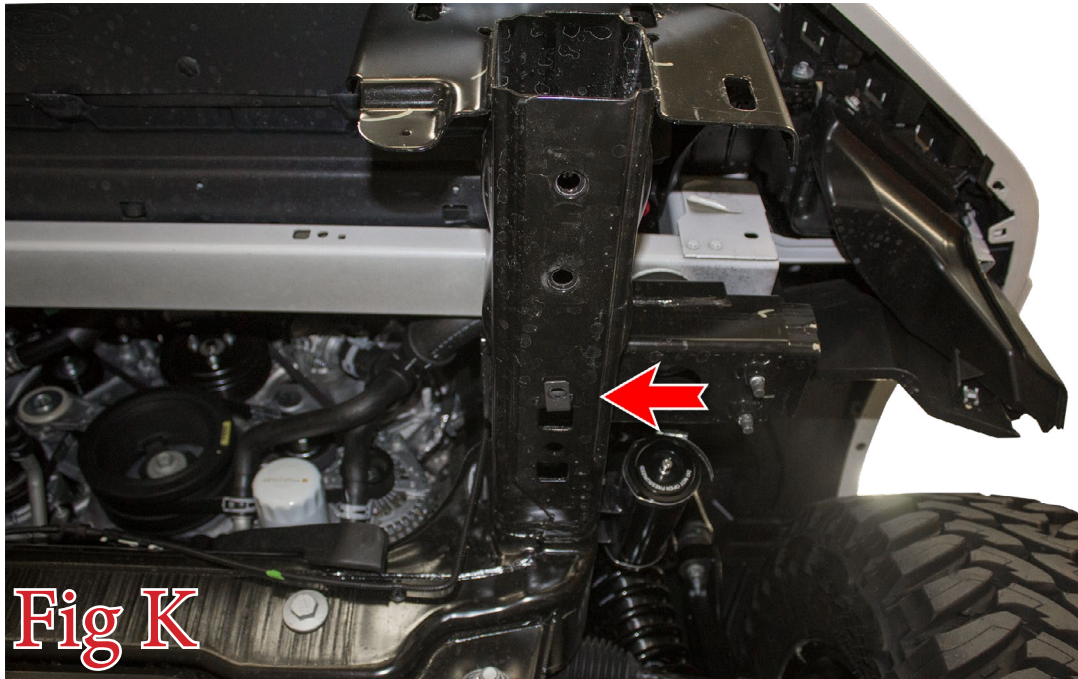
12. Push the valance back into place on the truck until it clicks into place. Then, push the fender flare back into place and reinstall the bolts you removed in Step 7.
13. Repeat Steps 7-12 on the other side of the vehicle.
14. Using a reciprocating saw or something similar, cut off the crash bars in the front section of each wheel well. Make sure to paint over any bare metal when you are done. (Fig J)



## Installation:

15. Install any lights you have purchased for your new bumper. Please follow the light manufacturer's guide for mounting and wiring information.
16. Bolt your winch to the supplied Winch Plate. Please follow the winch manufacturer's guide for mounting/wiring information.

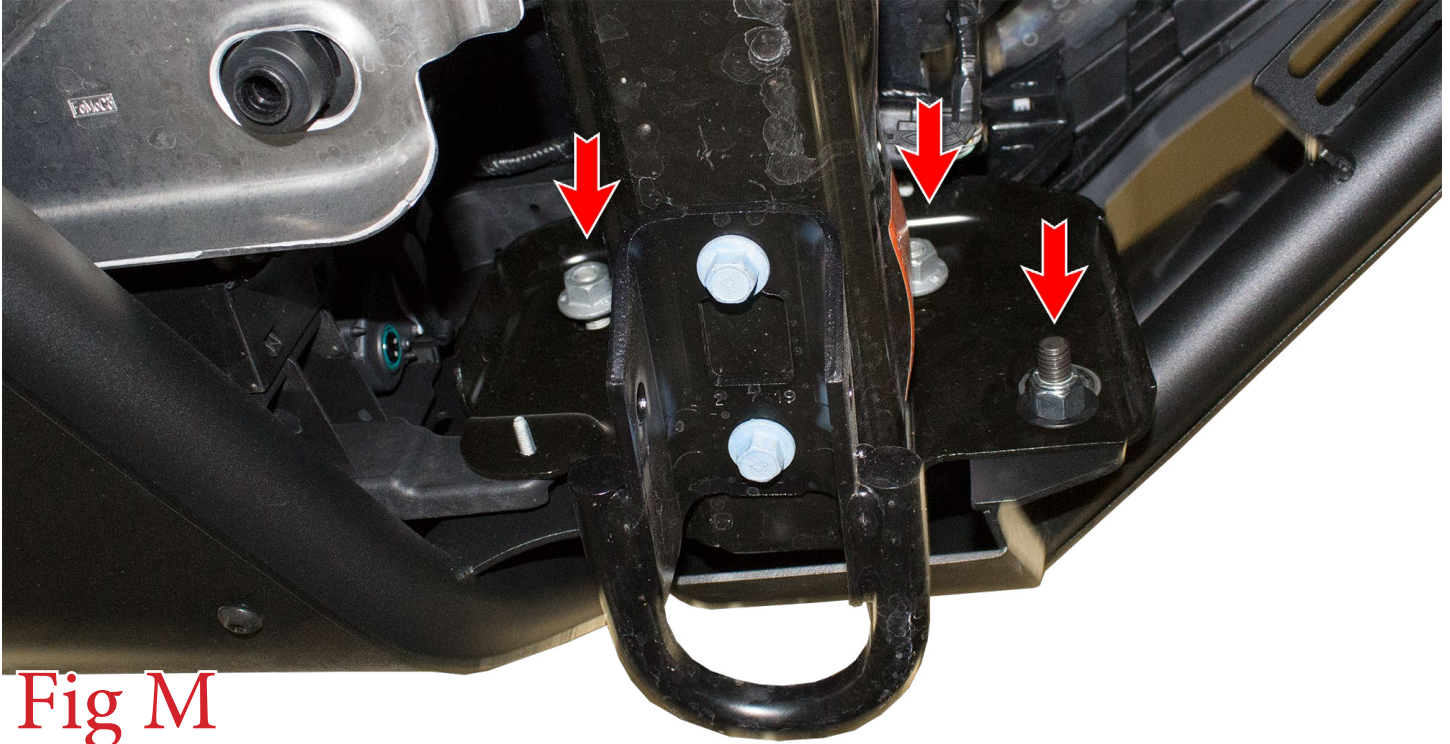
17. On the bottom side of the frame rail, there is a series of holes. Install one of the supplied 3/8" U-Nuts into the third hole back. Then, repeat this step on the other frame rail. (Fig K)



18. Bolt your Winch Mounting Plate to your vehicle's frame. Use the tow hook bolts you saved in Step 6 in the first two holes on the bottom side of the frame. Use the supplied 3/8" Grade 8 Bolts (x2) and 3/8" Washers (x2) in the third set of holes on the bottom side of the frame. Once all bolts have been loosely installed, go back and torque the supplied 3/8" bolts to 30 foot pounds and the OEM bolts to OEM torque spec. (Fig L)



19. Set the bumper in place on your vehicle. Install the OEM Stud Assembly in the top two mounting holes on each side. Make sure the upper inner hole is used to mount both the bumper and the Winch Plate. Then install the supplied 1/2" Button Head Bolts (x2), 1/2" Washers (x4), and 1/2" Lock Nuts (x2) in each lower mounting hole. Leave these bolts loose for now. (Fig M)



**Fig M**

20. Center the bumper left to right and align it so it is straight in relation to the grille/valance. Then, torque the supplied mounting bolts to 70 foot pounds and the OEM bolts to OEM torque spec.
21. Trim your inner fender liner to preference.
22. Stand back and enjoy your new ADD Stealth™ R Front Bumper.
23. Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.

