



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 | - 15mm Socket | - 21mm Socket |
| - 3/4" Socket & Wrench | - 9/16" Socket | - 1 1/16" Socket |
| - Utility Knife | - Reciprocating Saw | - Black Paint |
| - 11/32" Drill Bit | - Drill | - 3/16" Allen Wrench |
| - 1/2" Wrench | | |

Included in Kit:

- | | |
|--|--|
| 6 - Hex Head Bolts (1/2"-13 x 1 1/2") | 12 - Flat Washers (1/2") |
| 6 - Nylon Lock Nuts (1/2"-13) | 6 - Hex Head Bolts (3/8"-16 x 1") |
| 6 - Fender Washers (3/8") | 8 - Extra Long U-Nuts (3/8"-16) |
| 2 - Grade 8 Bolts (3/8"-16 x 1 1/2") | 2 - Washers (3/8") |
| 4 - Hex Head Bolts (5/16"-18 x 1") | 4 - Washers (5/16") |
| 4 - Nylon Lock Nuts (5/16"-18) | 2 - Thread Cutting Bolts (3/8"-16 x 1") |
| 2 - Skid Plate Mounting Brackets | 1 - Winch Mounting Plate |
| 1 - Fairlead Plate | |

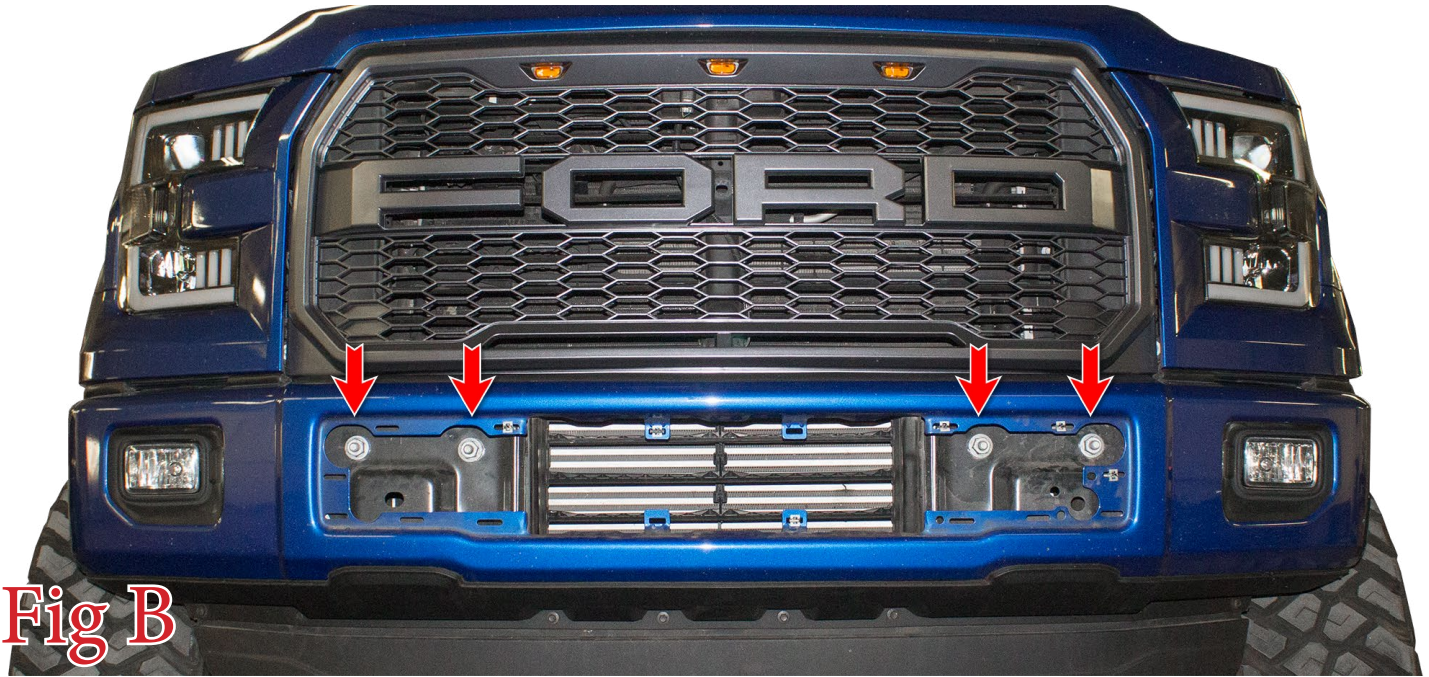
Removal:

1. From underneath the truck, disconnect the fog light connectors.
2. Pull off the plastic piece on the front bumper. There are no tools required for this step, it simply pulls off by hand. (Fig A)

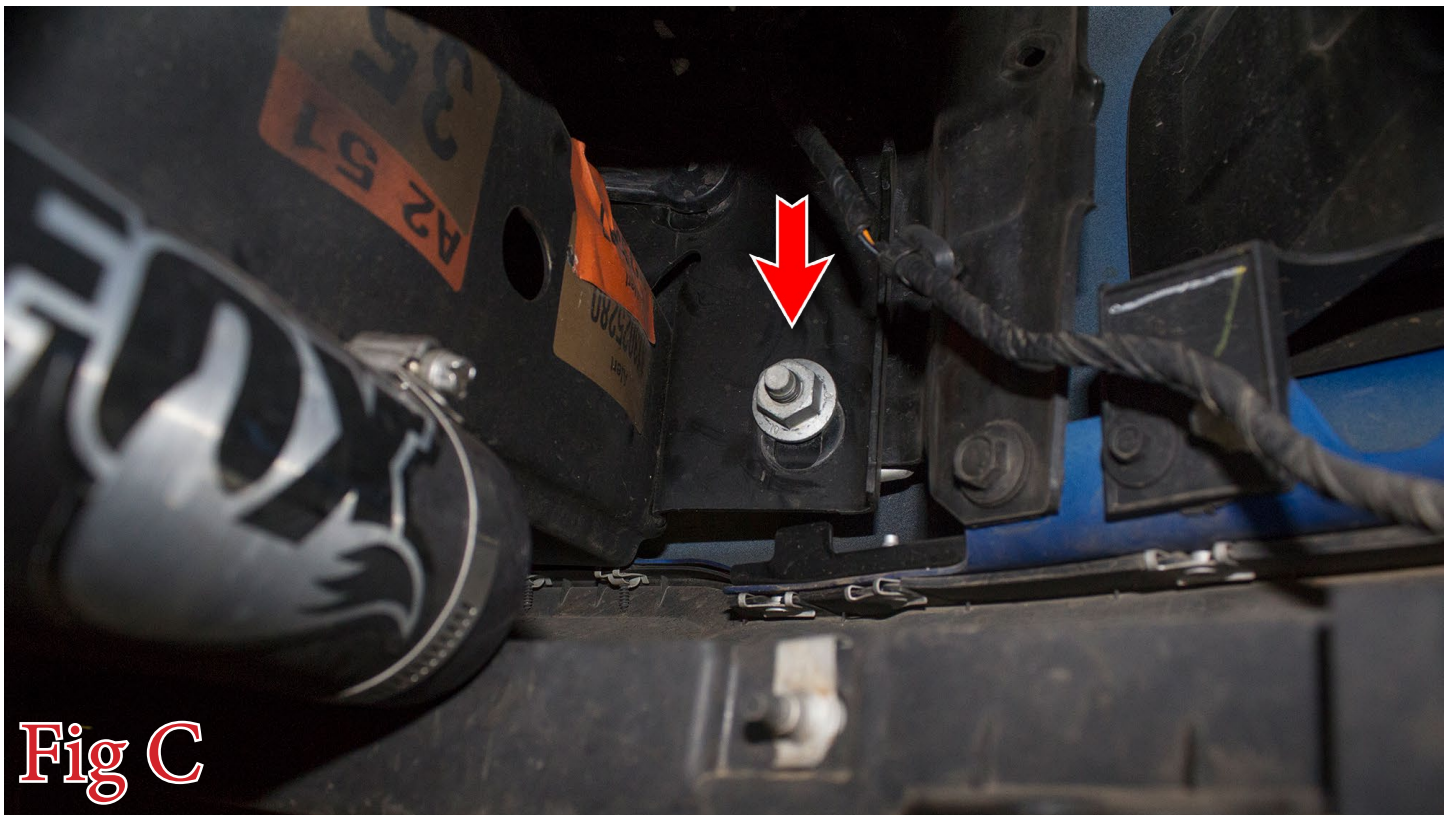




3. Using a 21mm Socket, remove the two upper bumper mounting nuts (per side). (Fig B)



4. Using a 21mm Socket, remove the lower bumper mounting nuts (one per side) on the back side of the bumper. Then, remove the OEM bumper. (Fig C)





5. Remove the plastic clip on the top side of the headlight bezel. (Fig D)

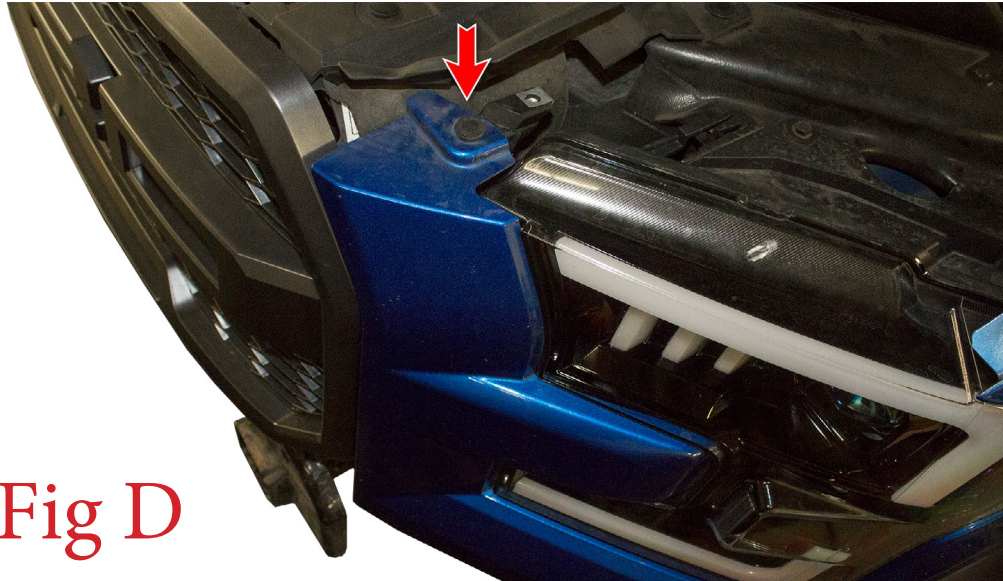


Fig D

6. Using a 7mm Socket, remove the two most forward fender flare bolts. Then, use a 5.5mm Socket to remove the two lowest inner fender liner bolts. (Fig E)

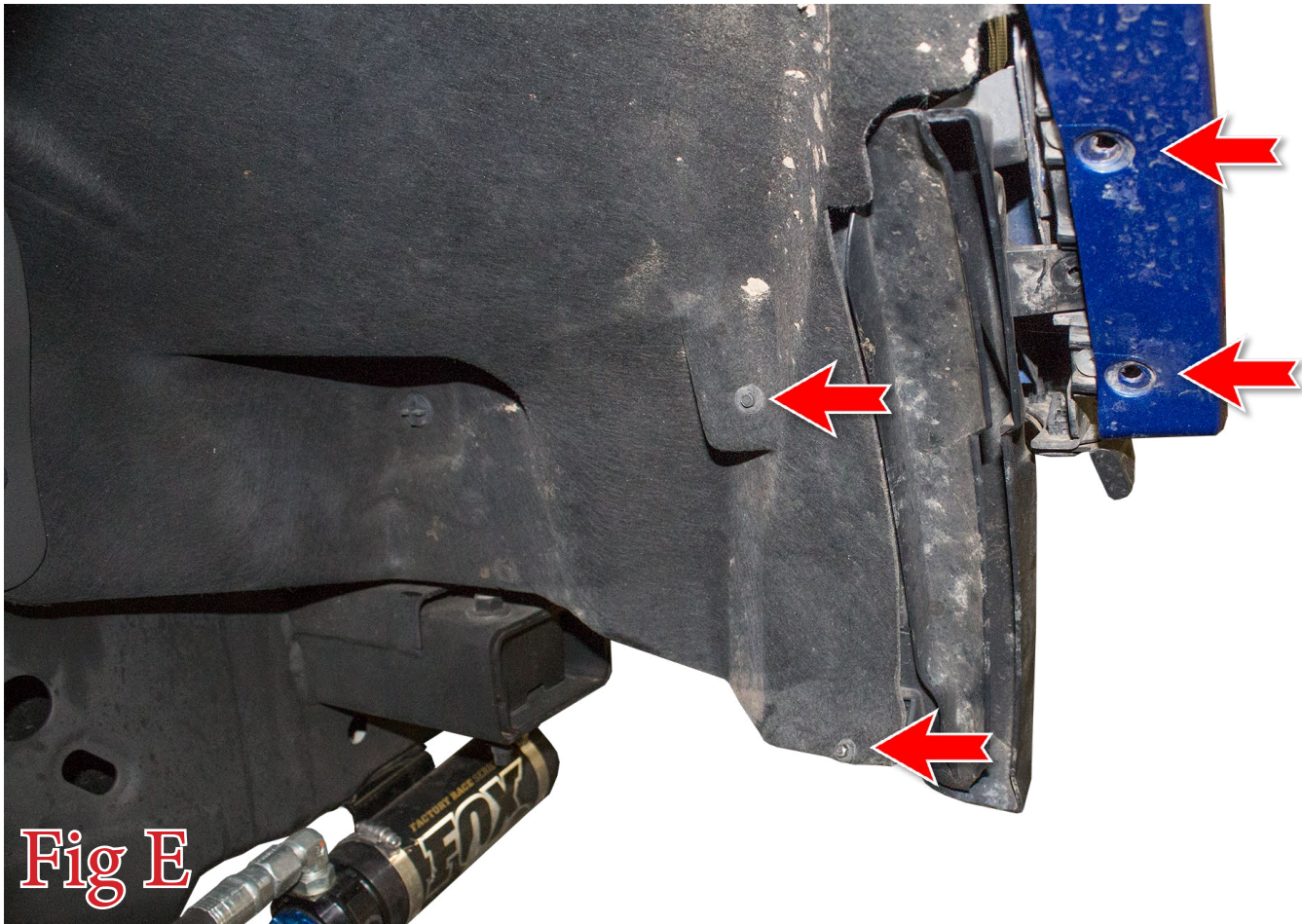


Fig E



7. Carefully pull the fender flare outwards until it unclips from the headlight bezel. (Fig F)



8. Carefully pull the headlight bezel forward and off the truck. (Fig G)



9. Remove the three bolts referenced in (Fig H) that were sitting behind the headlight bezel. Then, pull the air dam down and off the vehicle.

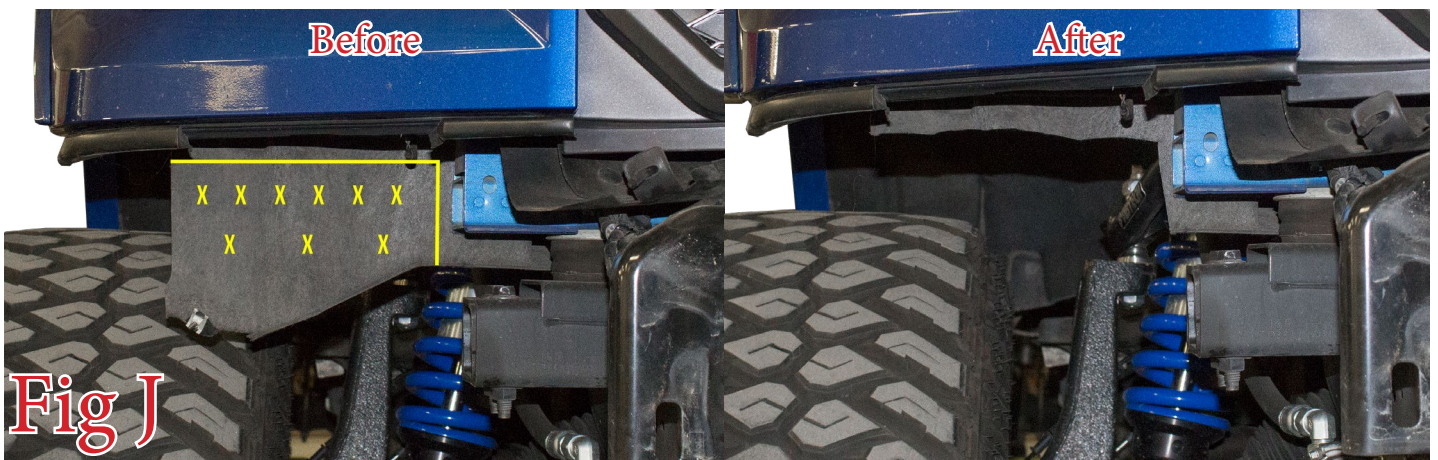


10. Push the headlight bezel back onto the vehicle and reinstall the plastic clip that was removed in Step 5. Then, push the fender flare back into place and reinstall the 7mm bolts you removed in Step 6.

11. Using a reciprocating saw, cut off the crash bar that sticks out right in front of the tires. Make sure to paint over any bare metal when you are done. (Fig I)

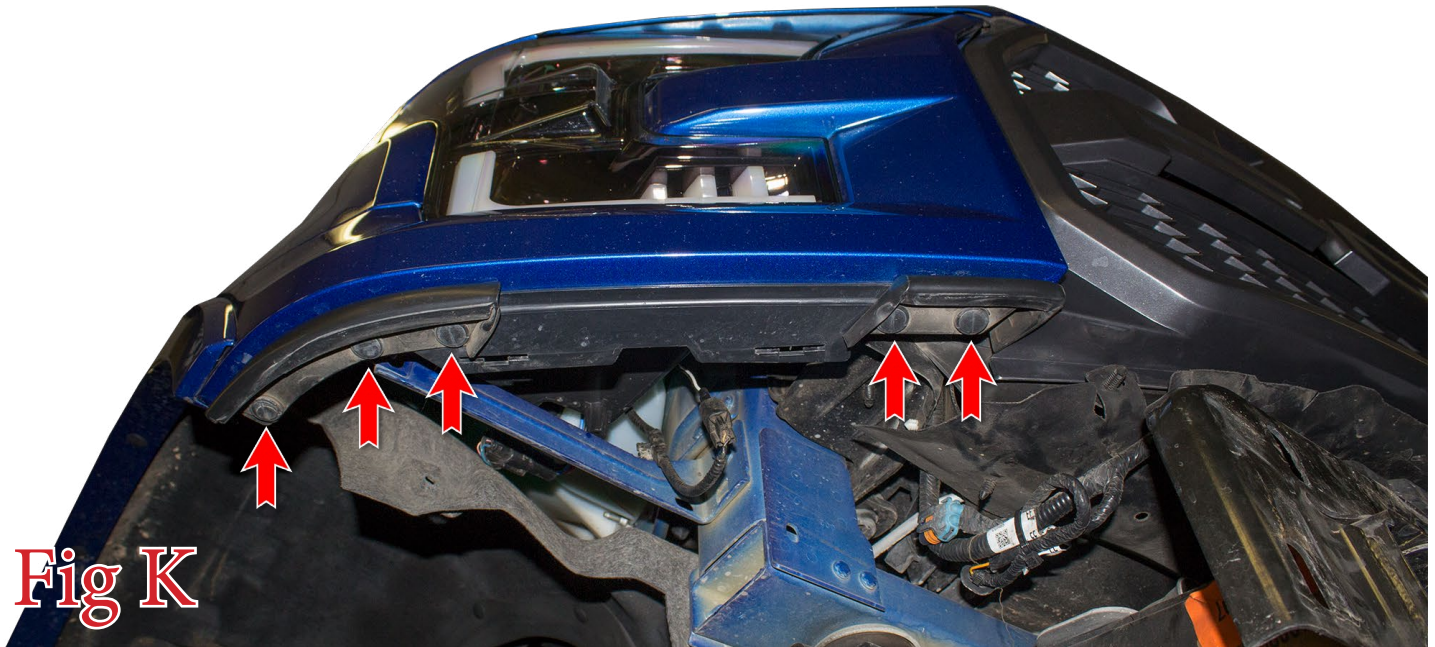


12. Using a utility knife, trim the inner fender liner that hangs down where the air dam used to be. (Fig J)



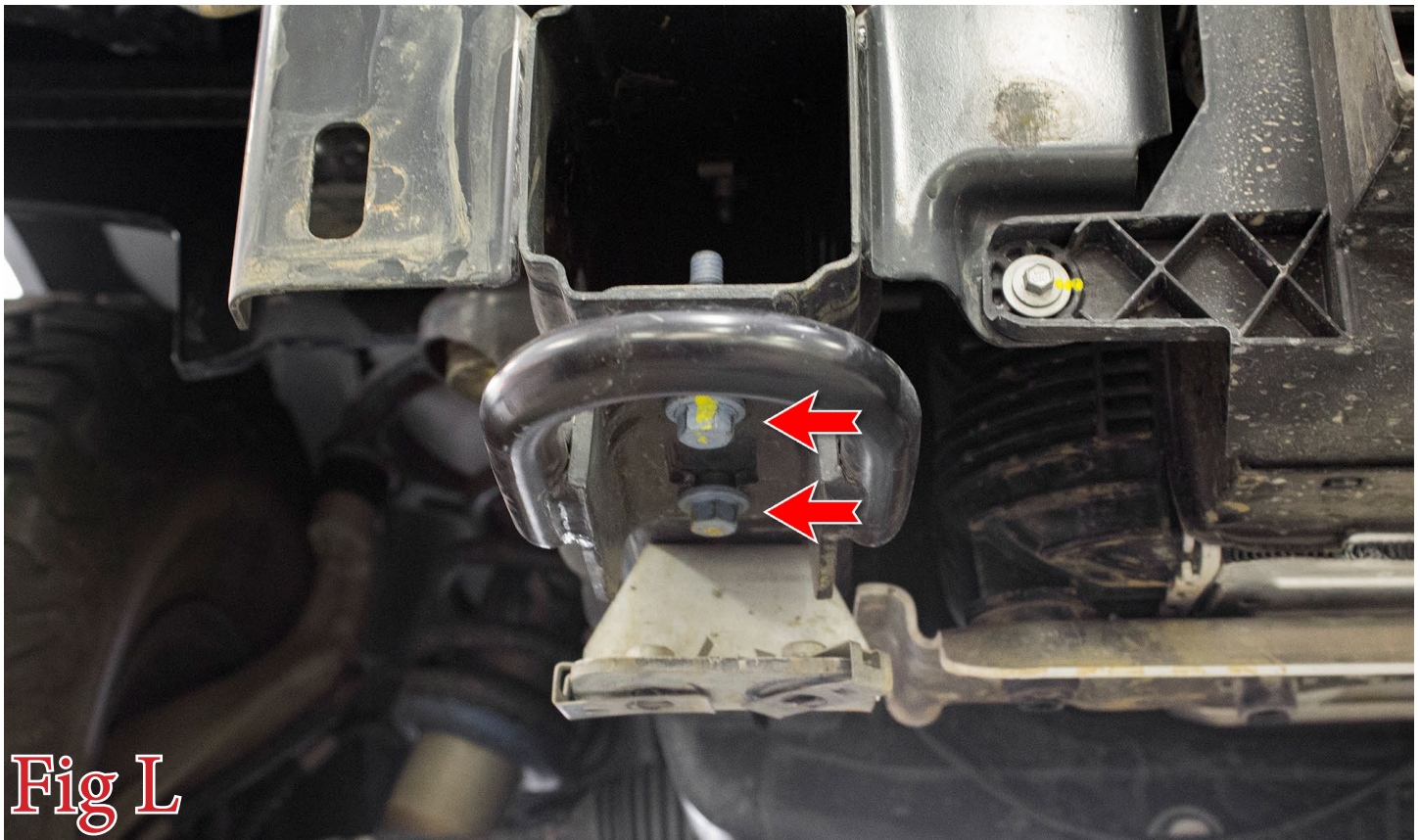


13. Remove the five clips (per side) that hold on the rubber trim pieces just under the headlight bezel. Then, remove those rubber trim pieces. (Fig K)



14. Repeat Steps 5 - 13 on the other side of the vehicle.

15. Remove both tow hooks by removing the two bolts that hold each of them on. Save these bolts for reuse. (Fig L)





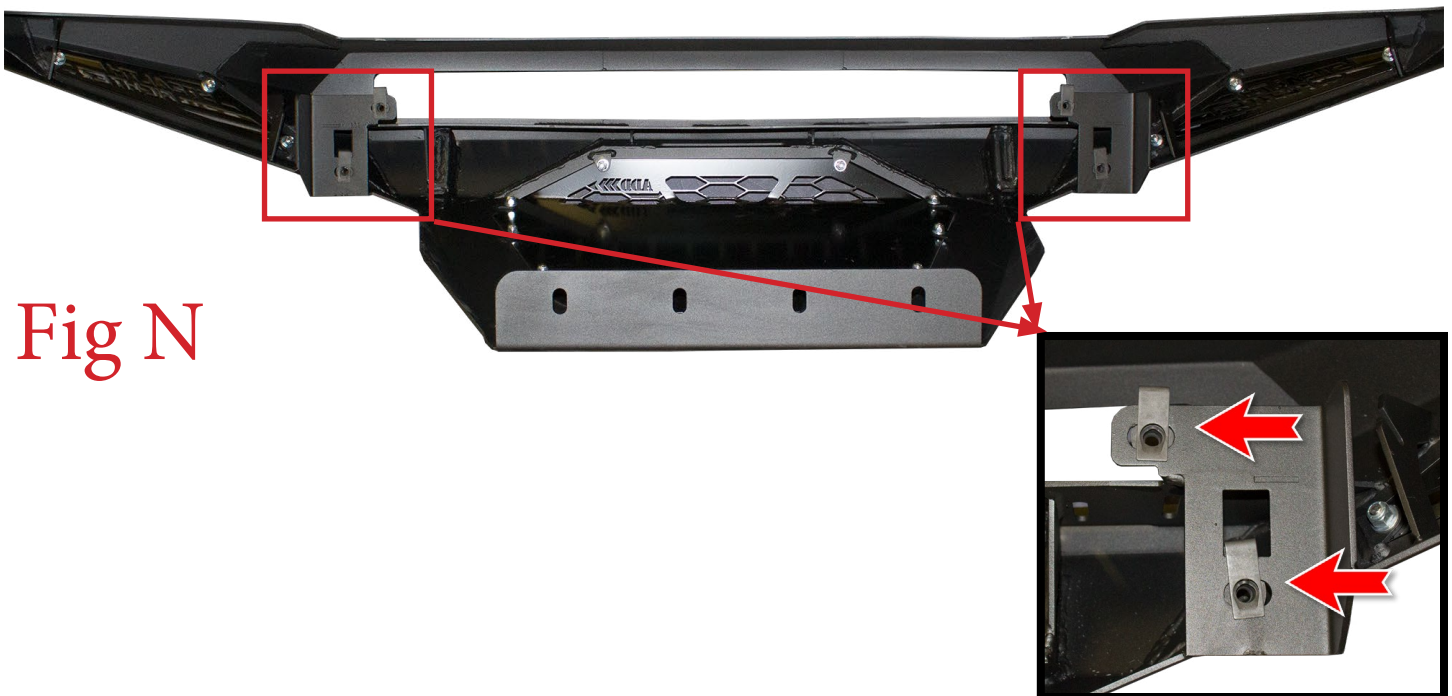
16. Using a utility knife, trim the EcoBoost scoop (if applicable) where the rubber and plastic meet so that it looks like the scoop in (Fig M).



Installation:

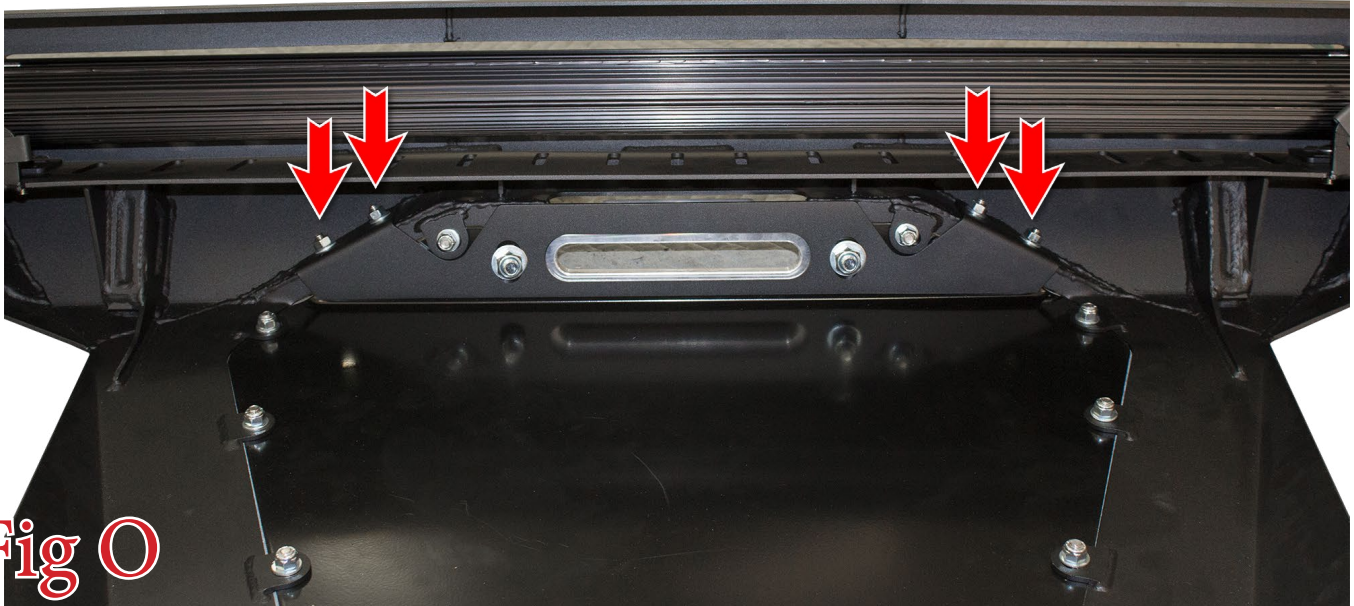
17. If you have any lights to install on your bumper, now is a good time to do so. Please follow the light manufacturer's guide for mounting/wiring information.

18. Install the supplied U-Nuts (x4) in the mounting holes of your new bumper. (Fig N)

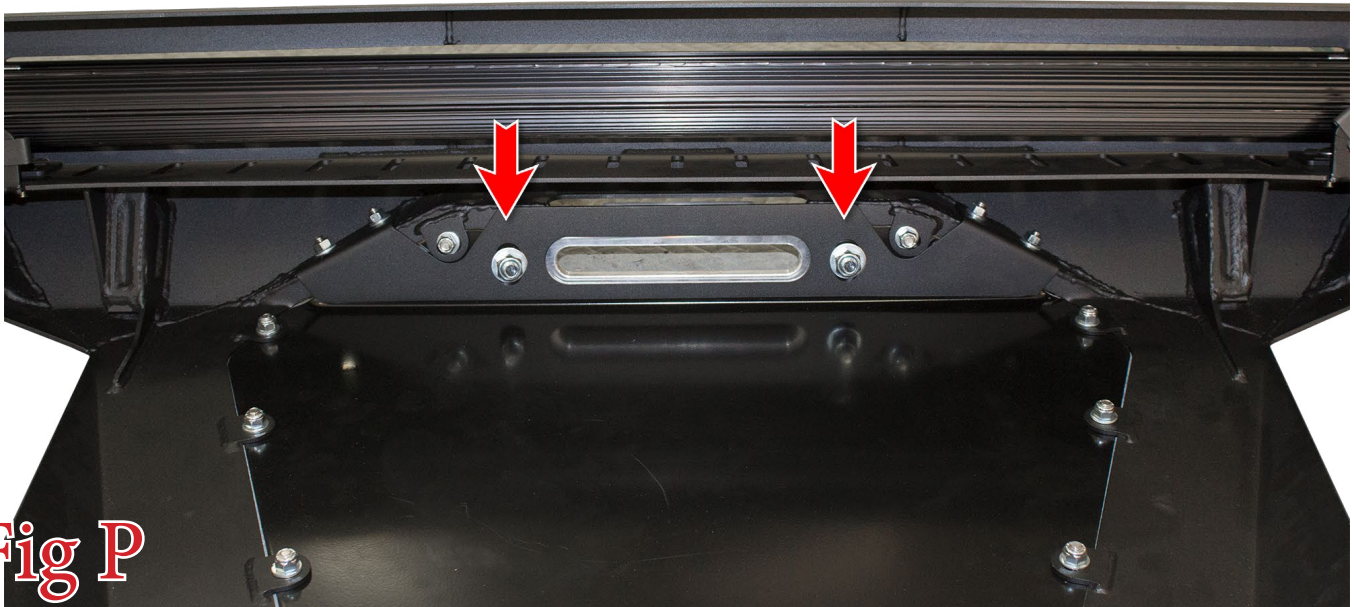




19. Using a 3/16" Allen Wrench and a 1/2" Wrench, mount the supplied Fairlead Plate to your bumper. Use the supplied 5/16" Button Head Bolts (x4), 5/16" Washers (x4), and 5/16" Lock Nuts (x4). (Fig O)



20. Mount your fairlead to the Bumper/Fairlead Plate. Use the winch manufacturer's fairlead and fairlead hardware. (Fig P)





21. 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 Q)

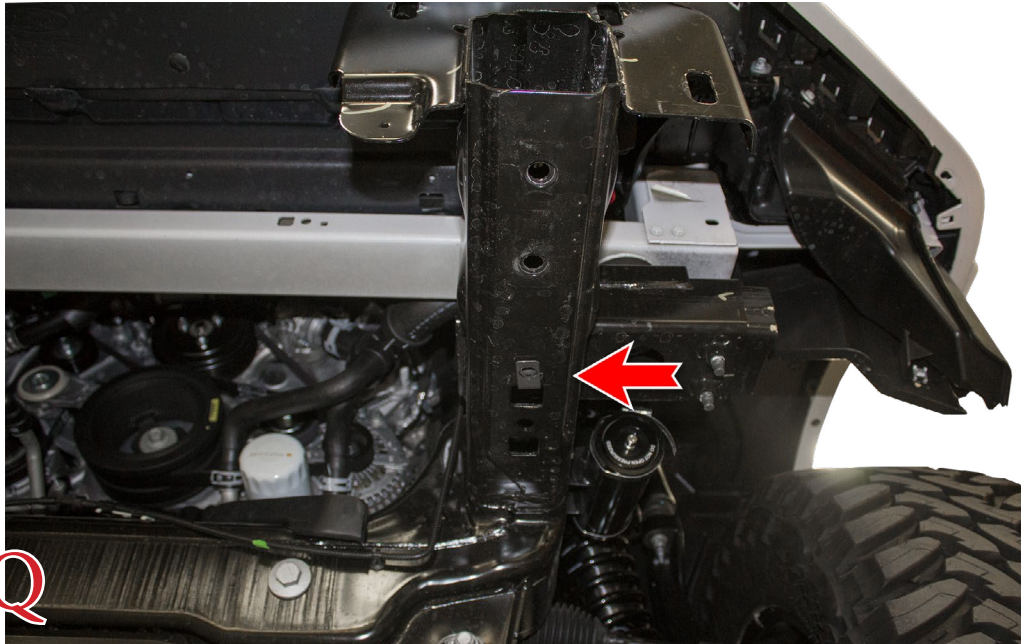


Fig Q

22. Bolt your winch to the Winch Mounting Plate. Follow the winch manufacturer's guide for mounting information. Try to keep the winch as centered as possible.

23. Bolt your Winch Mounting Plate to your vehicle's frame. Use the tow hook bolts you saved in Step "15. Remove both tow hooks by removing the two bolts that hold each of them on. Save these bolts for reuse. (Fig L)" on page 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. Use the supplied 1/2" Bolts (x2), 1/2" Washers (x4), and 1/2" Lock Nuts (x2) on the inner most frame horn holes. Once all bolts have been loosely installed, go back and torque the supplied 3/8" bolts to 30 foot pounds, the supplied 1/2" bolts to 70 foot pounds, and the OEM bolts to OEM torque spec. (Fig R)



Fig R



24. Choose the appropriate skid plate mounting bracket for your vehicle. If your vehicle has a lift kit, you will use a different bracket than if your vehicle has stock suspension. Refer to (Fig S) to see which one to use.

Lift Kit

**Stock Suspension
and 2wd Vehicles**



Fig S

25. Loosely bolt the correct skid plate bracket to your bumper using the supplied 1/2" Bolts (x4), 1/2" Washers (x8), and 1/2" Lock Nuts (x4). Leave these bolts loose for now. (Fig T)

Lift Kit

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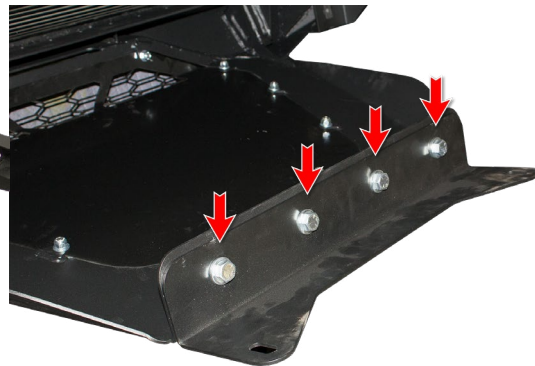


Fig T

26. If you have a lift kit on your truck, remove the two upper nuts that hold your drop bracket to the front frame. (Fig U)

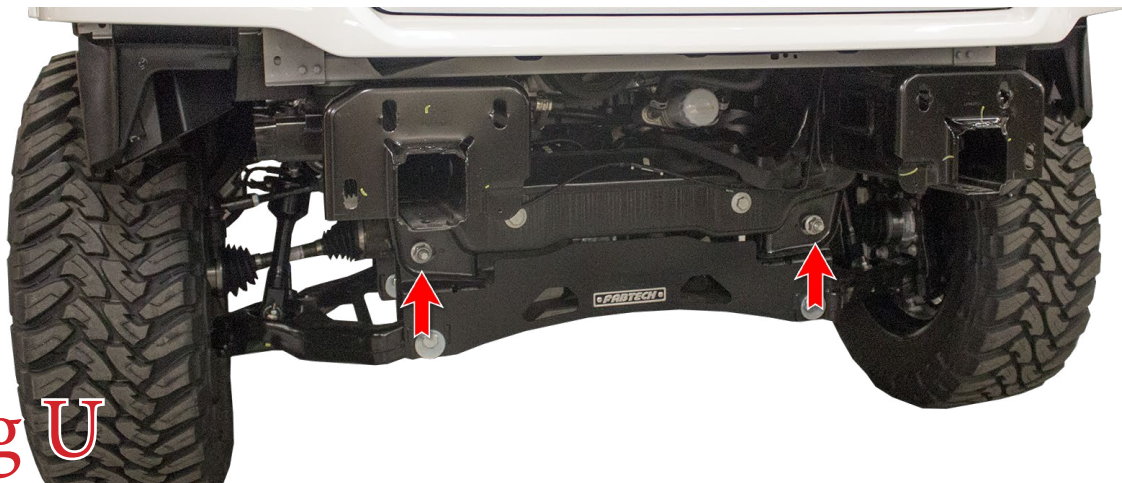


Fig U



- 27. If your truck has stock suspension and is also 4wd, install the supplied U-Nuts (x2) into the crossmember holes that line up with the mounting tabs on the skid plate mounting bracket. You may have to remove an OEM skid plate to free these bolts holes.
- 28. Set the bumper in place on your vehicle. Install the supplied 3/8" Bolts (x4) and 3/8" Fender Washers (x4) from the back side of the frame horns. Leave these bolts loose for now. (Fig V)



Fig V

- 29. If you have a 2wd truck, use an 11/64" Drill Bit to drill a hole in the truck's crossmember that lines up with the mounting holes on the skid plate bracket. Then, install the supplied 3/8" Thread Cutting Bolts (x2) into those mounting holes. (Fig W)

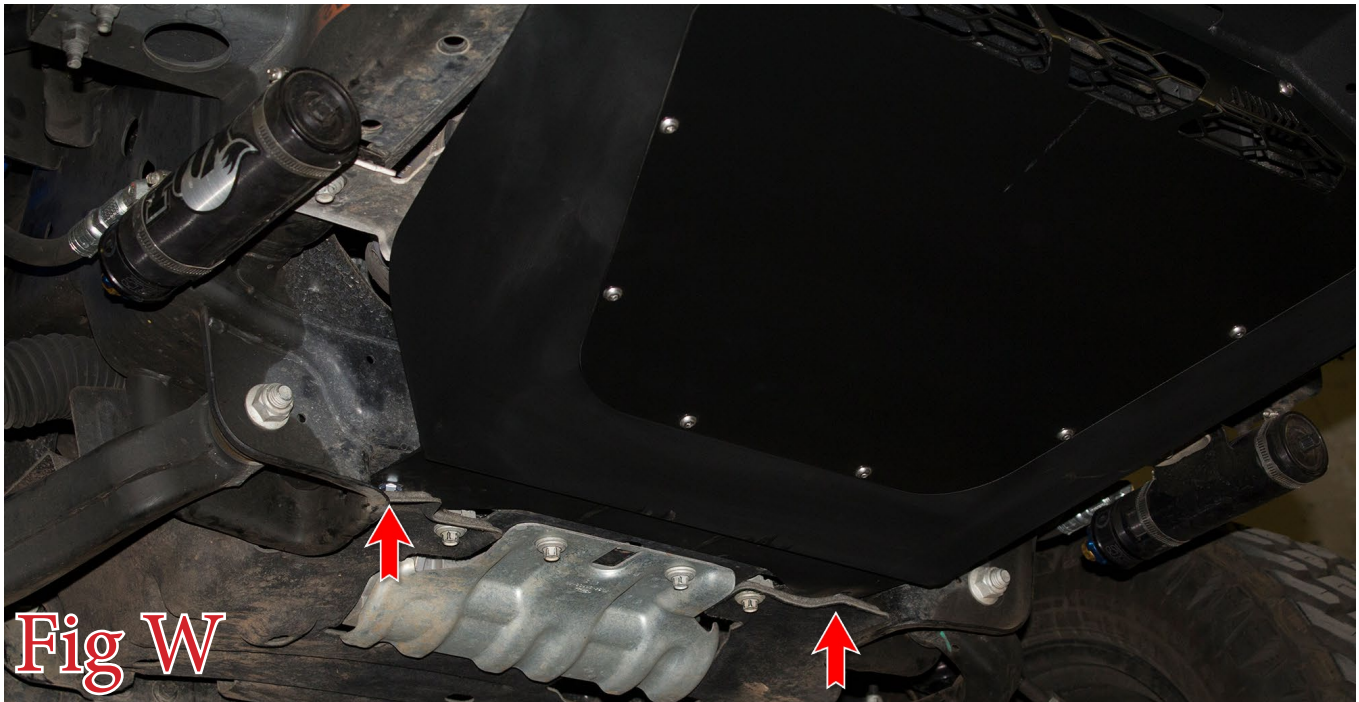


Fig W



32. If you have a 4wd truck with stock suspension, install the supplied 3/8" Bolts and 3/8" Fender Washers through the skid plate bracket mounting holes and into the U-Nuts that were installed in Step 27.
33. If you have a 4wd truck with a lift kit, line the mounting holes on the skid plate bracket up with the upper lift bracket mounting bolts, then reinstall the nuts that were removed in Step 26. (Fig X)



Fig X

34. Align the bumper so that it is centered left to right and sits straight in relation to the truck's valance. Then, torque the 3/8" mounting bolts to 30 foot pounds. Torque the lift kit cross member bolts (if applicable) to the OEM torque spec.
30. Stand back and enjoy your new ADD Stealth Fighter™ Front Bumper.
31. Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.

