



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 for OEM Bumper Removal/Bumper Installation**

1 Additional Hour to Wire Center Light

1 Additional Hour to Wire Side Lights

*****This installation requires 2 people for best results*****

You will need the following tools:

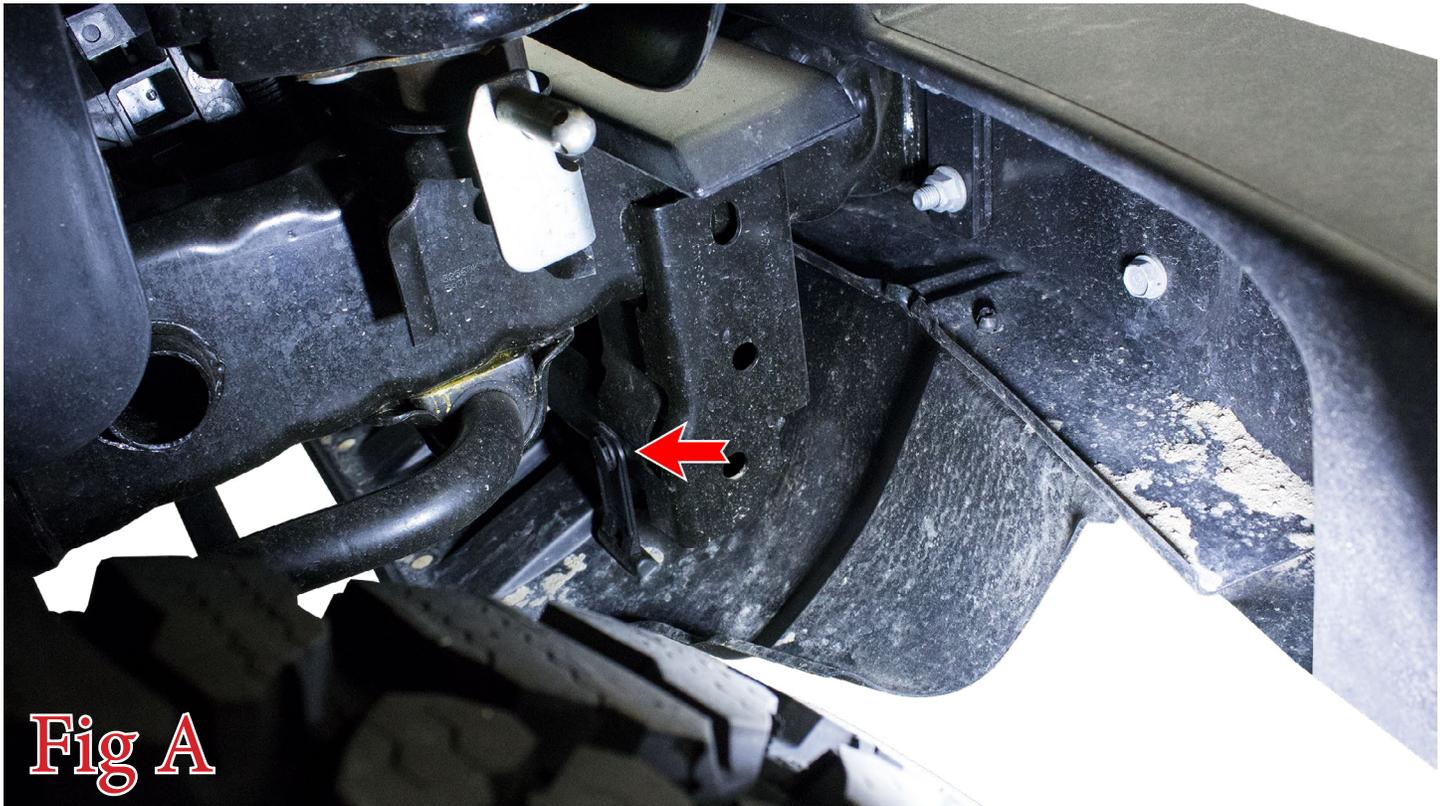
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|---------------|-----------------------------|-------------------------|
| - Ratchet | - 18mm Socket | - Phillip's Screwdriver |
| - 3/4" Wrench | - 5/16" Allen Wrench/Socket | - 9/16" Socket |

Included in Kit:

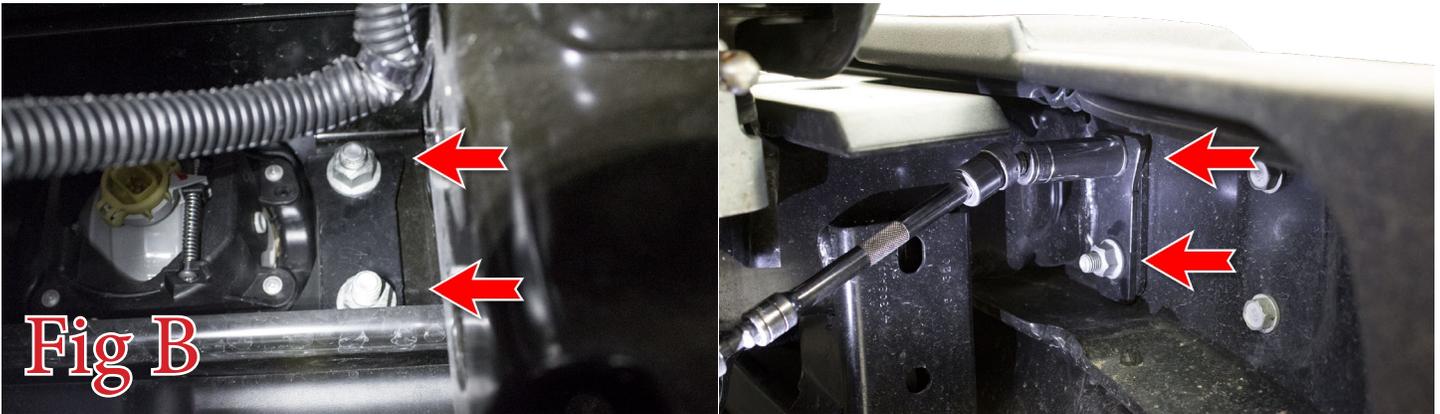
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|---|--|
| 2 - Button Head Bolts (1/2"-13 x 1 1/2") | 4 - Flat Washers (1/2") |
| 2 - Nylon Locking Nuts (1/2"-13) | 6 - Hex Head Bolts (3/8"-16 x 1") |
| 6 - Flat Washers (3/8") | 6 - U-Nuts (3/8"-16) |
| 1 - Universal Light Mount Kit | |

Removal:

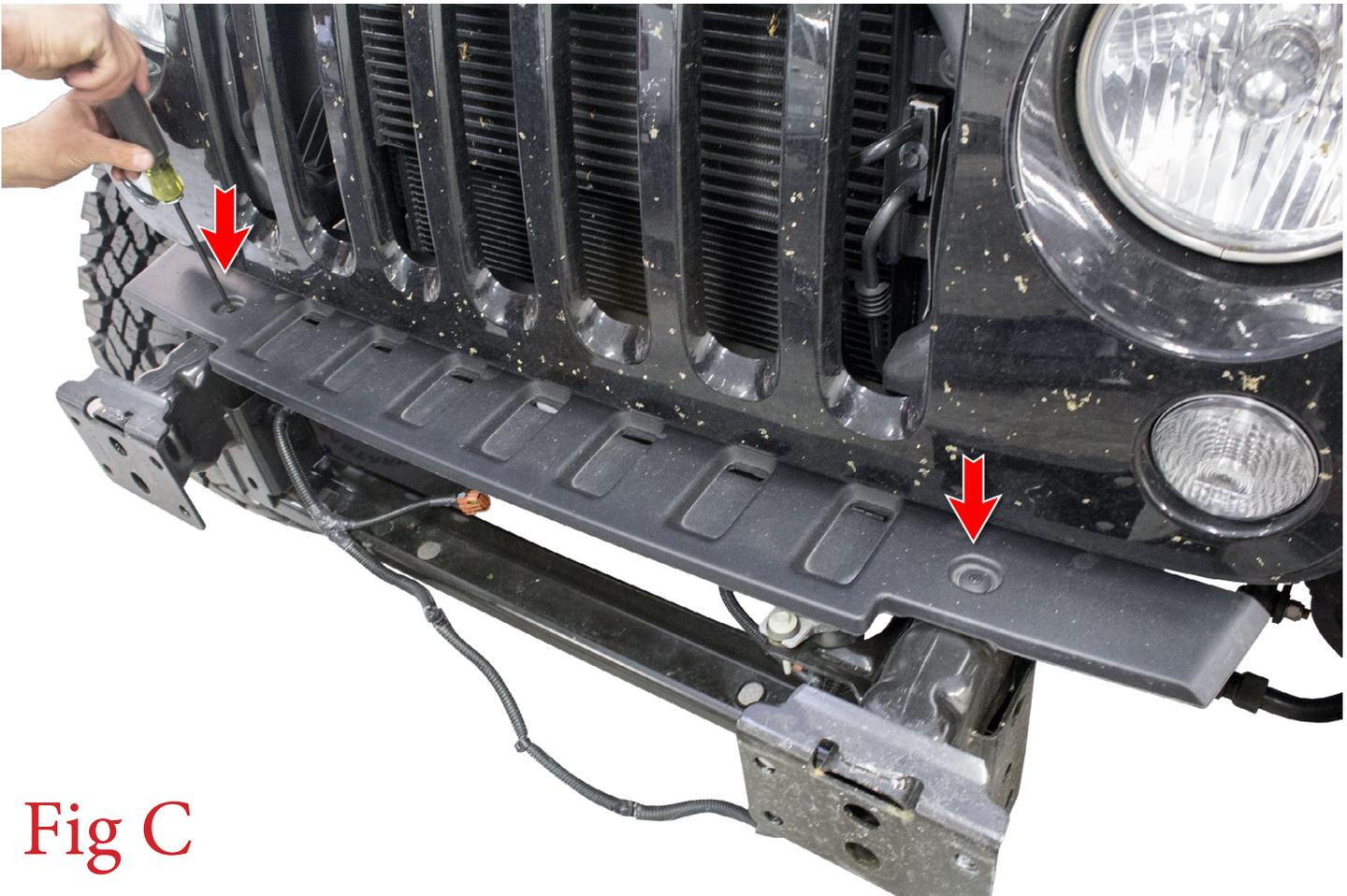
1. From underneath the Jeep, unplug each fog light.
2. There is one plastic clip per side that needs to be removed. The location is shown in (Fig A). The picture was taken looking in from the wheel well.



3. From underneath the Jeep, use an 18mm Socket to remove the bolts holding on the OEM bumper. Then, remove the bumper from the vehicle. (Fig B)

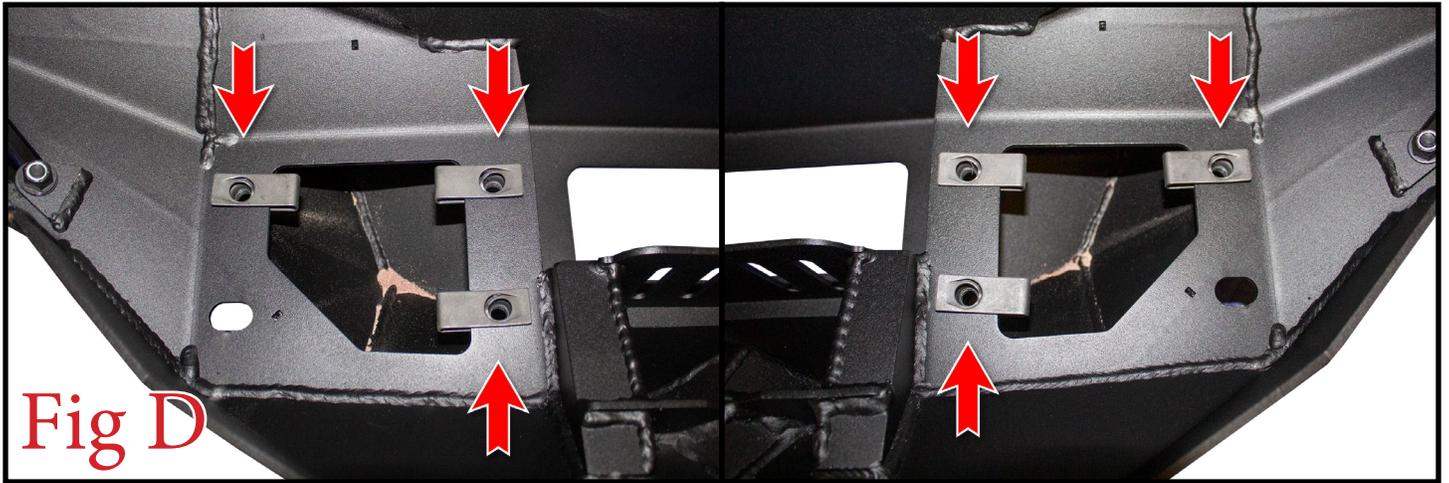


4. Using a Phillip's Head Screwdriver, remove the two screws holding on the top plastic bumper shroud. Then, remove this shroud. (Fig C)

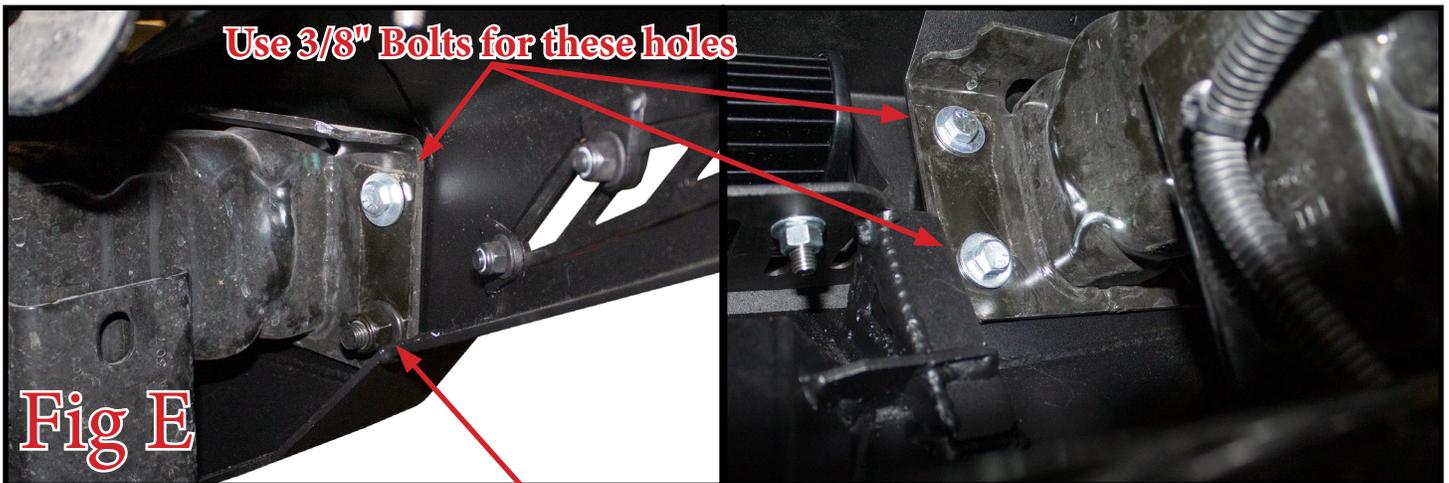


Installation:

5. If you have lights or a winch for your bumper, install those now. Use the Universal Light Mount Kit supplied with the bumper to mount the main light. Install instructions for the light mount kit can be found here: <https://www.addictivedesertdesigns.com/files/install/ADD-Universal-Light-Mount-Kit-Installation-Instructions.pdf>
Please follow the light manufacturer's install guide for wiring information.
Please follow the winch manufacturer's guide for mounting and wiring information.
6. Install the supplied U-Nuts (x6) onto your new bumper as shown in (Fig D).



7. Set the bumper in place on the vehicle. Loosely install the supplied 3/8" Bolts (x6) and 3/8" Washers (x6) into newly installed U-nuts from the back side of the vehicle's frame horns. Then, install the supplied 1/2" Bolts (x2), 1/2" Washers (x4), and 1/2" Lock Nuts (x2) into the lower/outer mounting hole on each side. (Fig E)



Use a 1/2" Bolt for this hole.



8. Line the bumper up so that it sits straight in relation to the grille and is centered left to right. Tighten the 1/2" Mounting Bolts to 70 foot pounds. Then, tighten the 3/8" Mounting Bolts to 25 foot pounds.
9. Stand back and enjoy your new ADD Stealth Fighter™ Front Bumper.
10. Check and re-tighten, if necessary, all mounting bolts after 100 miles and periodically thereafter.

