

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 Removal/Bumper Installation**

1 Additional Hour to Wire 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:

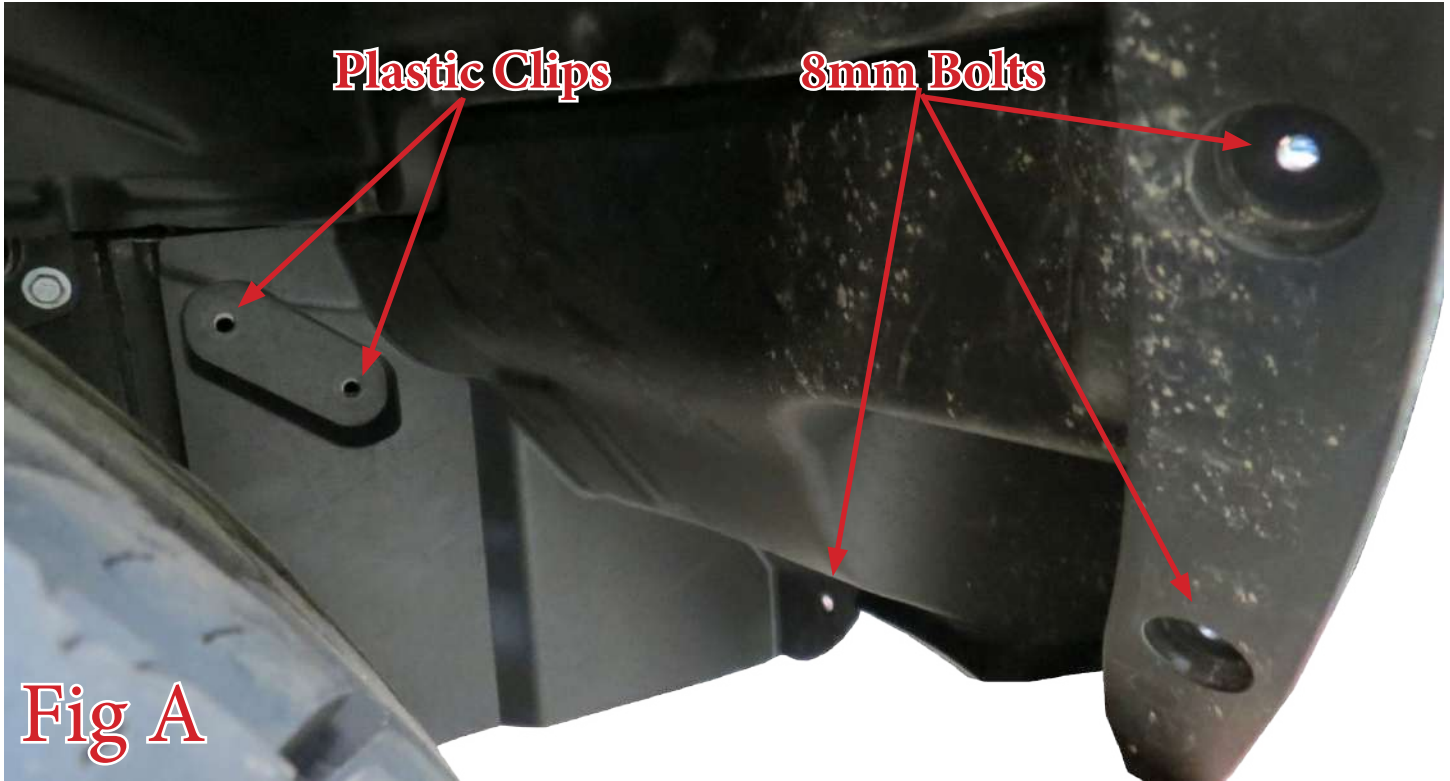
- | | | |
|---------------|-------------------------|-----------------------------|
| - Ratchet | - 8mm Socket | - 13mm Socket |
| - 18mm Socket | - 9/16" Socket & Wrench | - 7/32" Allen Wrench/Socket |
| - Drill | - 3/8" Drill Bit | - Cutoff Wheel |
| - Black Paint | | |

Included in Kit:

- | | |
|---|---|
| 5 - Hex Head Bolts (3/8"-16 x 1") | 9 - Flat Washers (3/8" - Silver) |
| 4 - Nylon Lock Nuts (3/8"-16 - Silver) | 1 - U-Nut (3/8"-16) |
| 4 - Button Head Bolts (3/8"-16 x 1 1/2") | 8 - Flat Washers (3/8" - Black) |
| 4 - Nylon Lock Nuts (3/8"-16 - Black) | 1 - Universal Light Mount Kit |

Removal:

1. From the bottom of the truck, remove any fog light connectors, if your truck is equipped with fog lights, and move the wiring harness out of the way.
2. Remove the three 8mm Bolts and the two plastic clips referenced in (Fig A). Then, remove the front portion of the inner fender liner. Repeat this step on the other side of the vehicle.



3. Using an 18mm Socket, remove the Bumper Mounting Nuts (3 per side). Then, remove the OEM bumper from the truck. (Fig B)



4. Remove your tow hooks. THIS STEP IS DONE FOR AESTHETIC REASONS ONLY. IF YOU WISH TO KEEP YOUR TOW HOOKS, PLEASE SKIP THIS STEP. Using an 18mm Socket, remove the bolt that holds the two hook to the frame. (Fig C)



Fig C

5. THIS STEP IS DONE FOR AESTHETIC REASONS ONLY. IF YOU WISH TO KEEP YOUR TOW HOOKS, PLEASE SKIP THIS STEP. Using a cutoff wheel, or something similar, cut off your frame stilts. Then, grind the area smooth and paint over any bare metal. (Fig D)

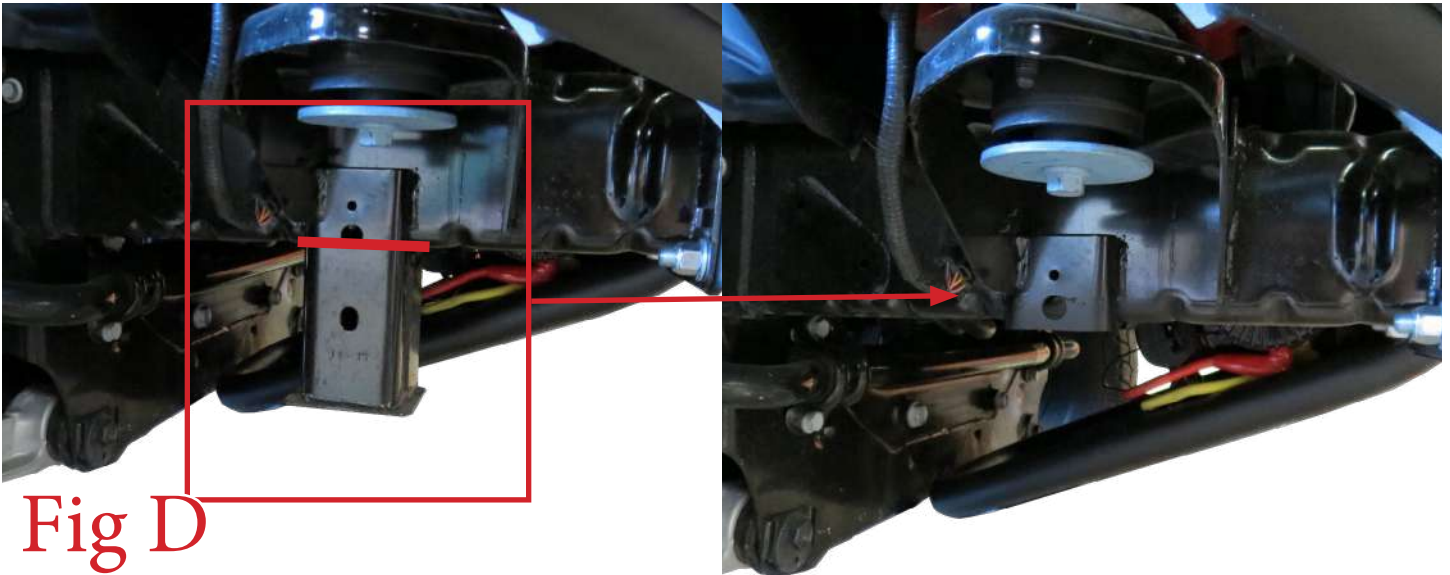


Fig D

6. Use a Drill and a 3/8" Drill Bit to open the upper/inner frame horn holes to 3/8". (Fig E)



Fig E

7. Using a 13mm Socket, remove the skid plate mounting bolts. Then, remove the skid plate from the vehicle. Save one of these bolts for reuse. (Fig F)

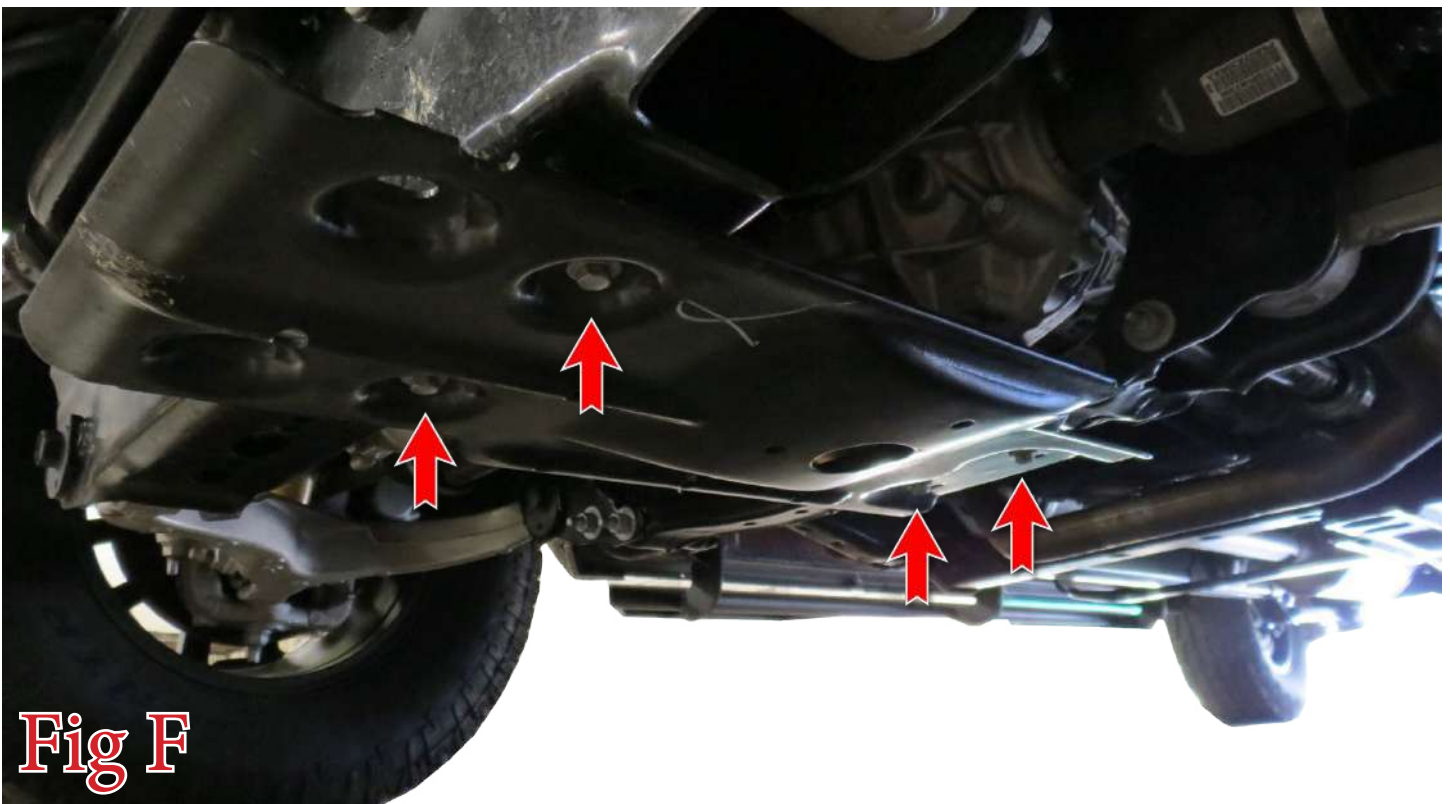


Fig F

Installation:

8. If you have a light to install on your bumper, do so now. This bumper comes with a universal light mount kit. For wiring information, please follow the light manufacturer's installation instructions.



Fig G

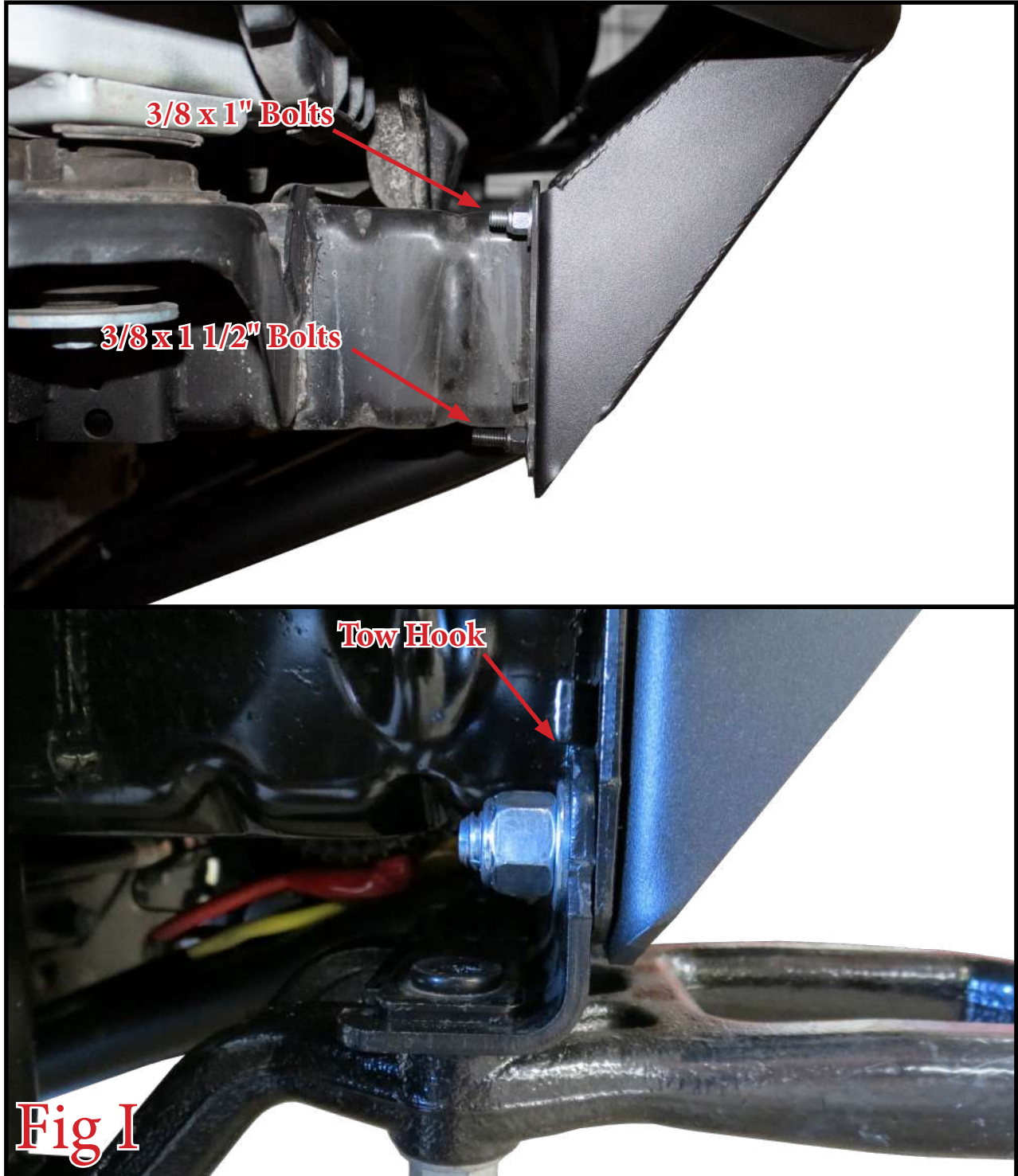
9. Install the supplied U-Nut (x1) into the hole referenced in (Fig H).



Fig H



10. Set the bumper in place on the vehicle. Use the supplied 3/8" x 1" Hex Head Bolts (Silver) in the top two holes (per side) and the 3/8" x 1 1/2" Bolts (Black) in the bottom two holes (per side). If you are installing your OEM tow hooks with your bumper, use the bottom mounting bolts to hold the tow hooks in place. **Leave these bolts loose for now.** (Fig I)



11. Find the bolt that was set aside in Step 7. Use this bolt to secure the skid plate mounting tab that lines up with one of the skid plate mounting holes. Then, use the supplied 3/8" Bolt (x1) and 3/8" Washer (x1) in the skid plate mounting tab that lines up with the U-Nut that was installed in Step 9. (Fig J) **Leave these bolts loose for now.**



12. Align your bumper so it is straight in relation to the grille/headlights. Then, go back and torque the bolts from Step 10 to 30 foot pounds. Torque the supplied bolt from Step 11 to 25 foot pounds. Torque the OEM Bolt from Step 11 to OEM torque spec.

13. Stand back and enjoy your new ADD Lite™ Front Bumper.

14. Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.

