

# ADDICTIVE DESERT DESIGNS

## 2010 – Current Ram 2500/3500 Stealth Fighter Front Bumper Installation Instructions

### PREPARATION

1. Disconnect the negative terminal on the battery. Park the vehicle on level ground and set the emergency brake.
2. We recommend reading through the installation instructions in whole before performing the work.
3. Estimated Installation Time: **2 Hours**
4. You will need the following tools:
  - a. Ratchet
  - b. 3/4" Socket & Wrench
  - c. 9/16" Socket
  - d. 10mm Socket
  - e. 18mm Socket
  - f. 15/16" Socket & Wrench
  - g. Utility Knife

*Note: this installation requires 2 people for best results*

5. Included in Kit:
  - 4 – Long Reach U-Nuts – 3/8"-16
  - 2 – Standard U-Nuts – 3/8"-16
  - 6 – Flat Washers – 3/8"
  - 6 – Grade 8 Bolts – 3/8"-16 x 1 1/2"
  - 4 – Grade 8 Bolts – 1/2"-20 x 3 1/2"
  - 8 – Flat Washers – 1/2"
  - 4 – Metal Lock Nut – 1/2"-20

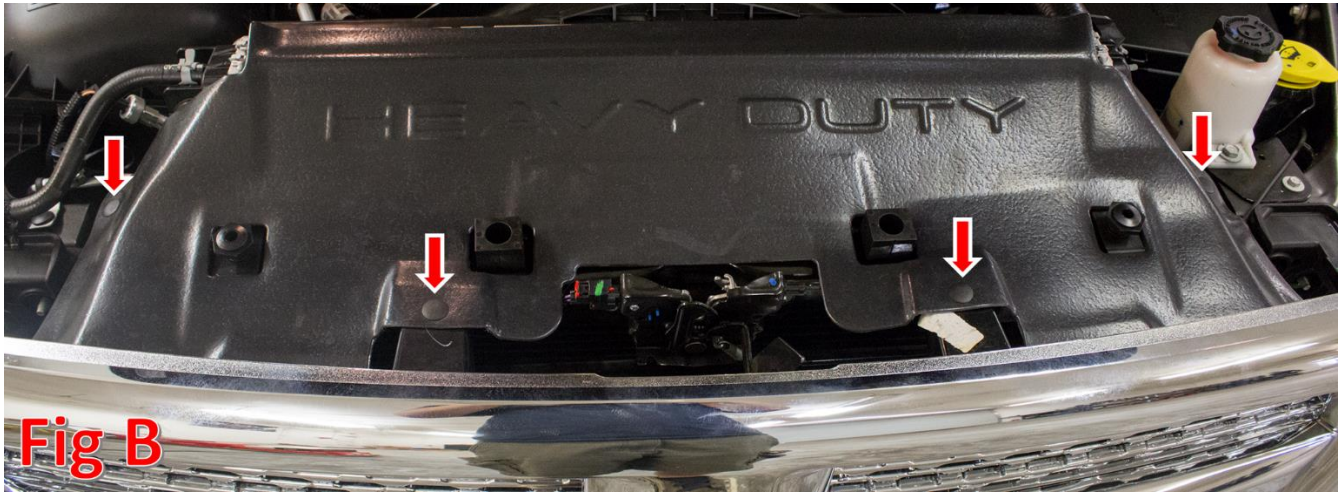
### REMOVAL

1. From underneath the vehicle, unplug both the fog light and parking sensor harness connectors. (Fig A)

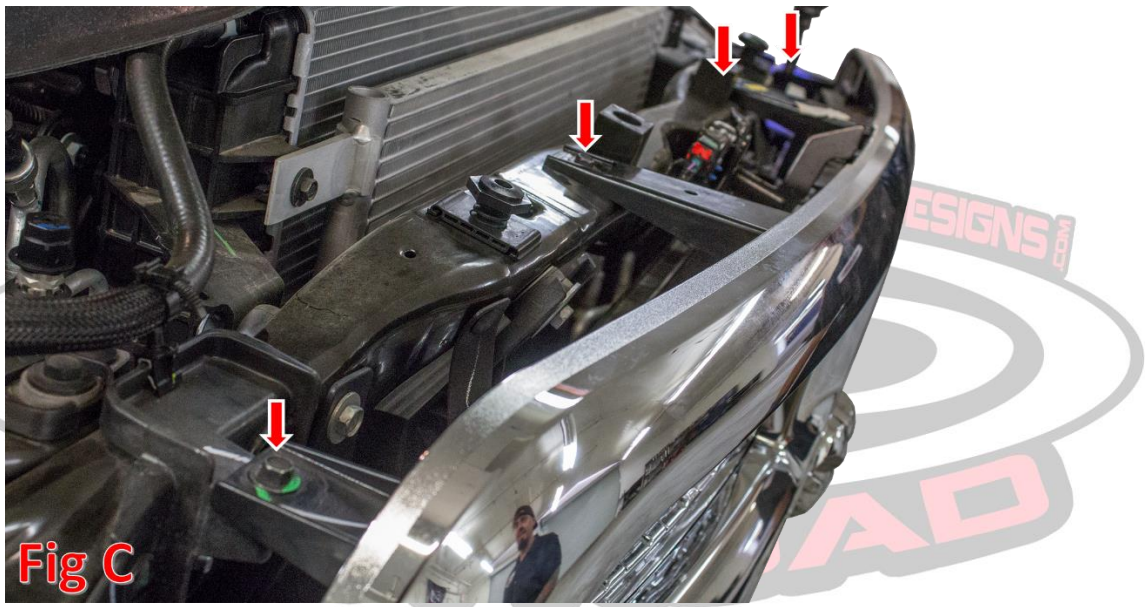


**Fig A**

2. Remove the four plastic clips holding on the radiator cover. Then, remove the radiator cover. (Fig B)



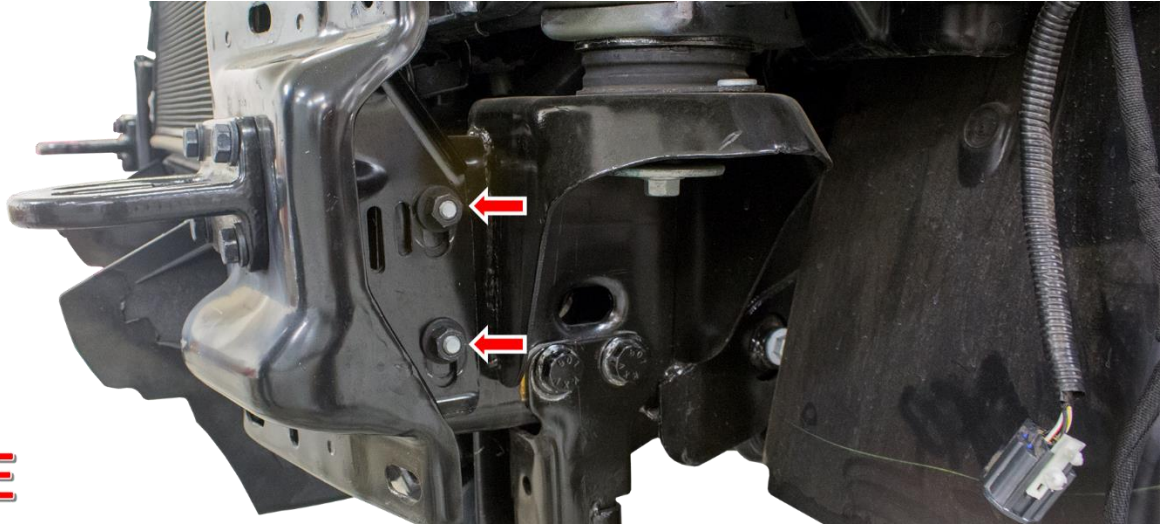
3. Remove the four 10mm bolts holding on the grille. Then, lift the grille out of the vehicle. (Fig C)



4. From the top of the vehicle, remove the top four (2 per side) bumper mounting bolts. From underneath the vehicle, remove the bottom four (2 per side) bumper mounting bolts. Then, remove the front bumper. (Fig D)



- Using an 18mm Socket, remove the nuts from the Bumper Bracket Studs. (Fig E)



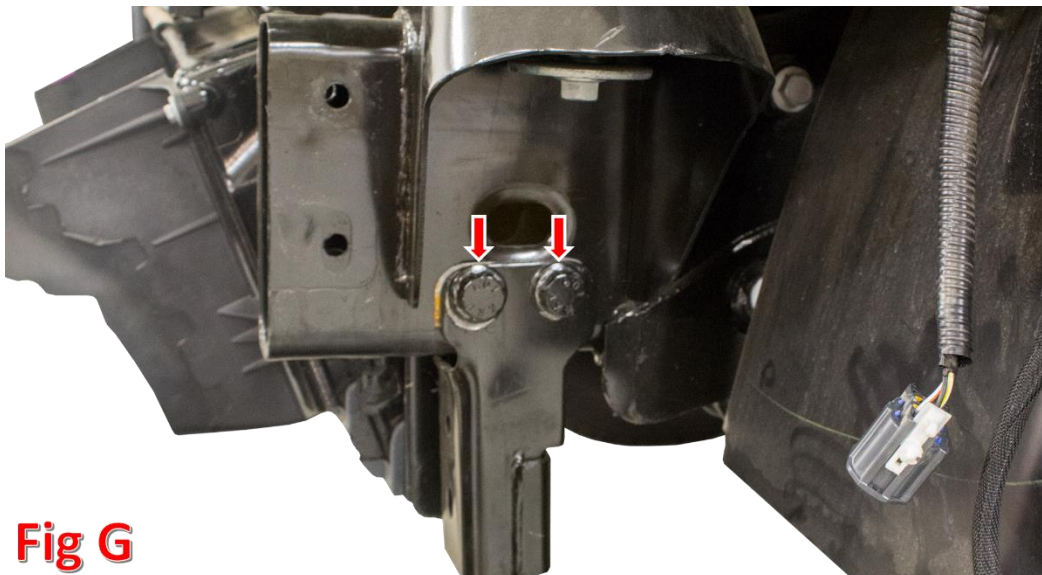
**Fig E**

- Cut the heads off of the bumper bracket mounting bolts. Then, remove the bolts and the bumper brackets from the vehicle. (Fig F)



**Fig F**

- Using a 15/16" Socket and Wrench, remove the bolts (2 per side) that hold on the frame stilts. Then, remove the frame stilts. Set the bolts aside for reuse. (Fig G)



**Fig G**

8. Reinstall the grille and radiator cover by reinstalling the bolts you removed in Removal Step 3 and the plastic clips you removed in Removal Step 2. Your truck should now look like the truck in Fig H.

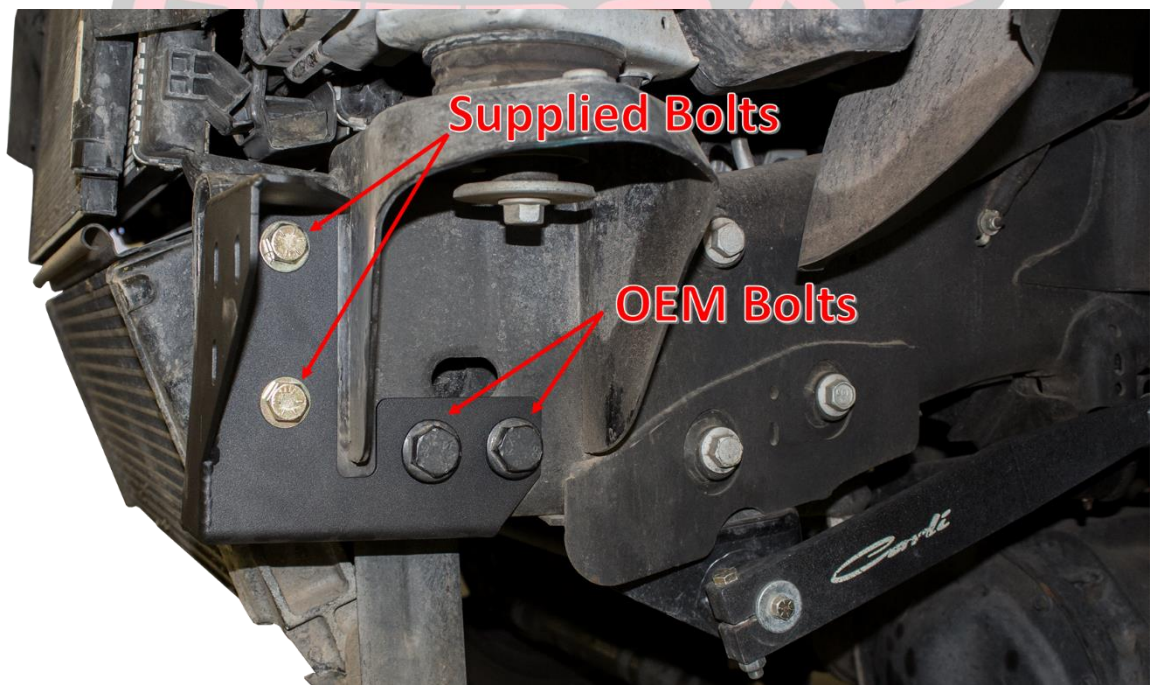


**Fig H**

9. Prepare to install your new ADD Stealth Fighter Front Bumper.

## INSTALLATION

1. If you purchased any lights or a winch with your bumper, now is a good time to install those. Please follow the light/winch manufacturer's instructions for mounting and wiring information.
2. Install the bumper mounting brackets. (Fig I)
  - a. Set the bumper mounting bracket in place on the frame horn. Use the supplied 1/2" Bolts (x2), 1/2" Washers (x4), and 1/2" Lock Nuts (x2) as well as the OEM bolts you removed in Removal Step 7 to hold it in place.
  - b. Tighten the supplied bolts to 70 foot pounds. Tighten the OEM bolts to the OEM torque spec.



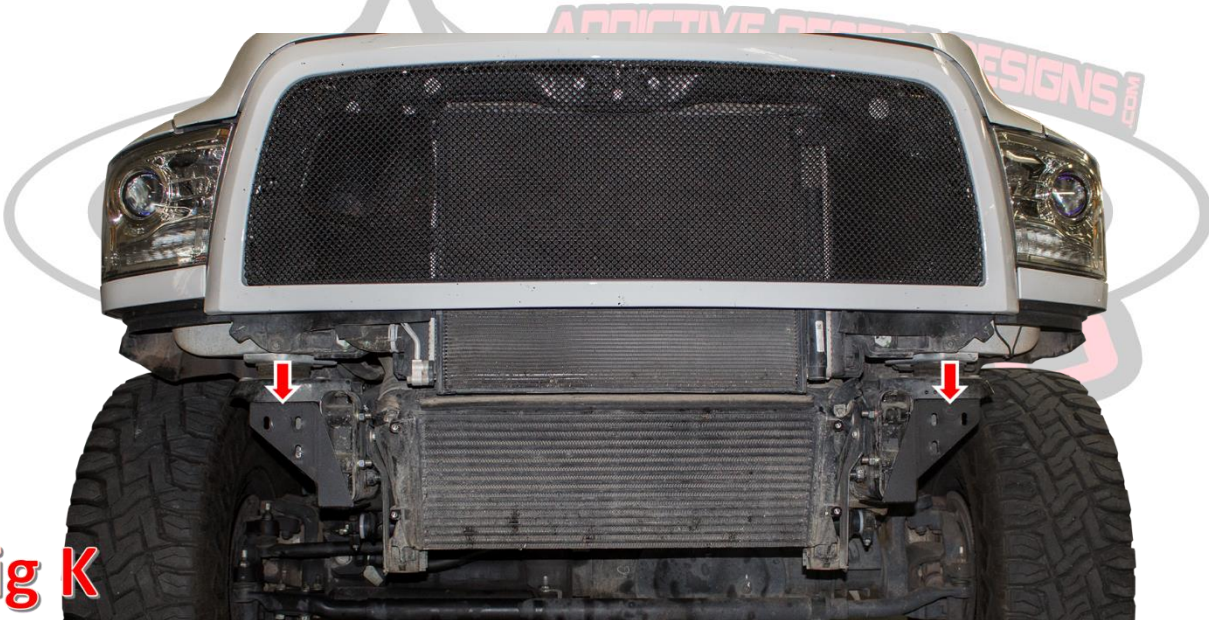
**Fig I**

3. Install the supplied Long Reach U-Nuts (x4) and Regular Reach U-Nuts (x2) on the mounting holes of your bumper. The Long Reach U-Nuts get installed on the upper holes, while the Regular Reach U-Nuts get installed on the lower holes. (Fig J)



**Fig J**

4. Set the bumper in place on the vehicle. Line the mounting holes on the bumper up with the mounting holes on the bumper mounting brackets. Install the supplied 3/8" Bolts (x6) and 3/8" Washers (x6) from the back side of the mounting holes. Leave these bolts loose for now.



**Fig K**

5. Center the bumper left to right. Then, align the bumper so that it sits straight in relation to the grille and headlights. Once the bumper is aligned, tighten the 3/8" Mounting Bolts to 30 foot pounds.
6. Using a utility knife, trim your inner fender liner to preference.
7. Stand back and enjoy your new ADD Stealth Fighter Front Bumper.
8. Check and re-tighten if needed, all mounting bolts after 100 miles and periodically thereafter.



**For Additional Support or Technical Questions,  
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