

ADDICTIVE DESERT DESIGNS

2017 – Current Ford SuperDuty HoneyBadger Front Bumper Installation Instructions

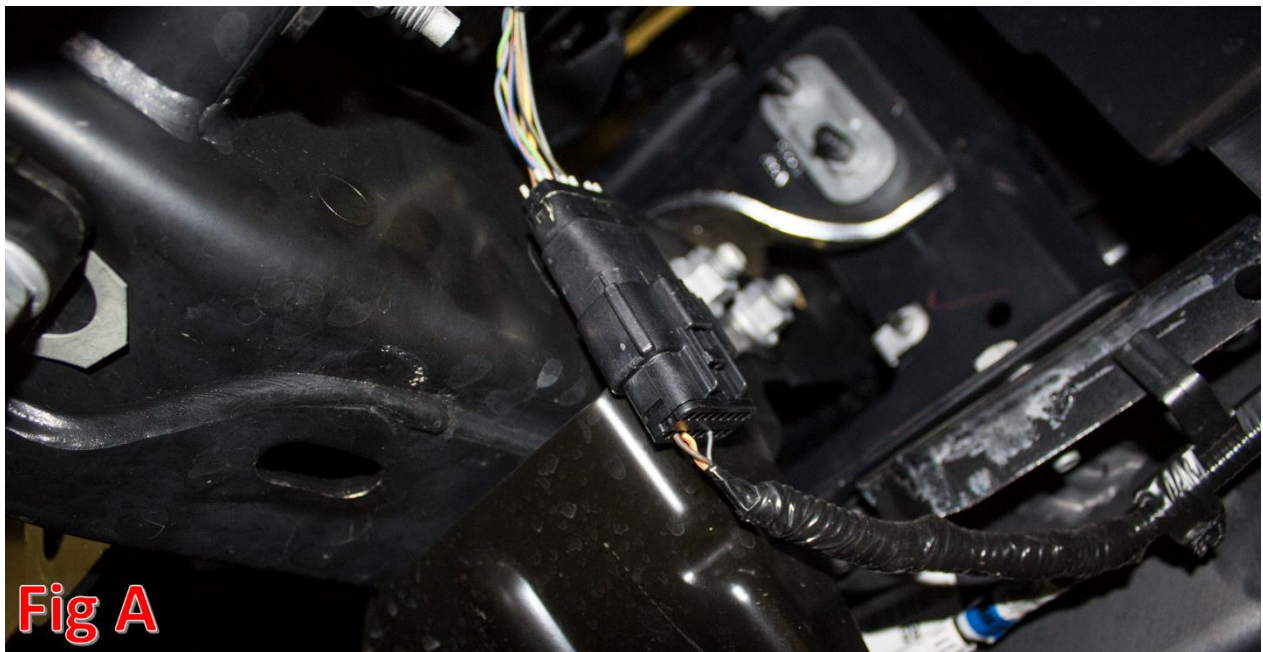


PREPARATION

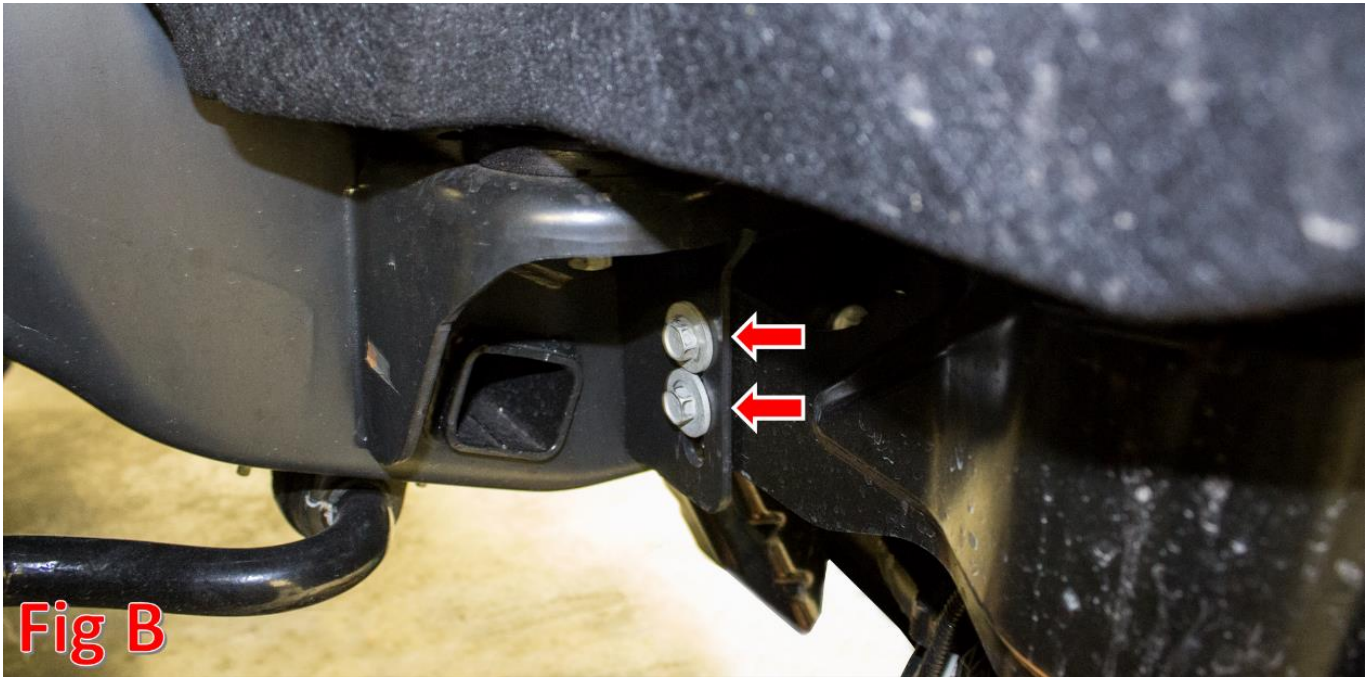
1. Disconnect the negative terminal on the battery. Park the vehicle on level ground and set the emergency brake.
 2. We recommend reading through the installation instructions in whole before performing the work.
 3. Estimated Installation Time: **2 Hours**
 4. You will need the following tools:
 - a. Ratchet
 - b. 15mm Socket
 - c. 18mm Socket
 - d. 3/4" Socket & Wrench
- Note: this installation requires 2 people for best results*
5. Included in Kit:
 - 16** – Hex Head Bolts – 1/2"-13 x 1 1/2"
 - 32** – Washers – 1/2"
 - 16** – Nylon Lock Nuts – 1/2"-13
 - 2** – Frame Horn Adapters

REMOVAL

1. Unplug the main fog light harness connector. This connector is located along the driver side frame rail underneath the truck. (Fig A)



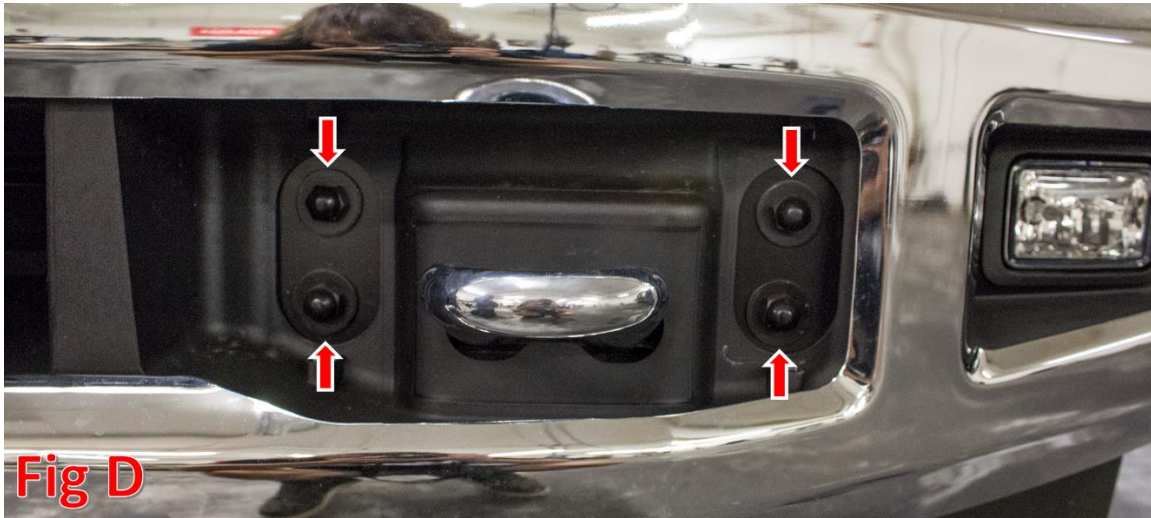
2. Use a 15mm Socket to remove the two bolts (per side) that secure the OEM bumper side supports. These bolts can be seen when looking into the wheel well, towards the front of the truck. Save these bolts for reuse. (Fig B)



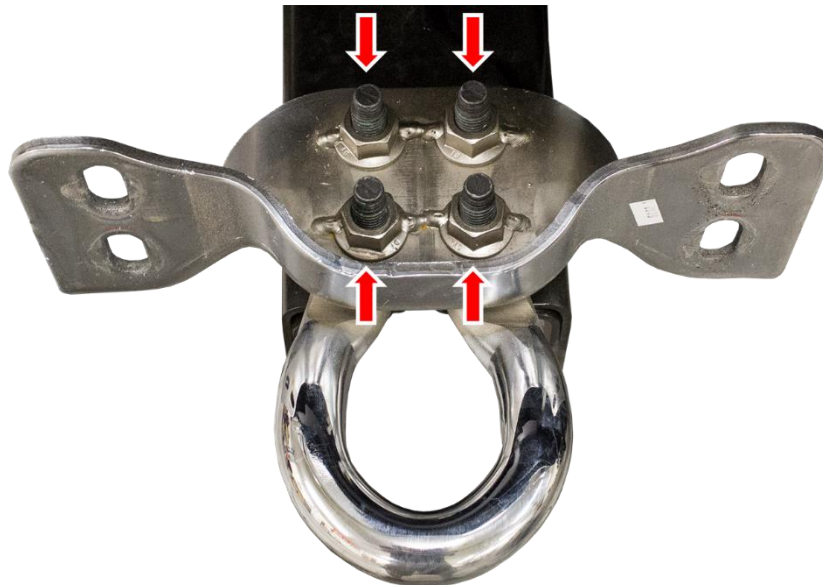
3. Remove the two plastic covers that sit around the tow hooks by unclipping the two top clips that hold them on. (Fig C)



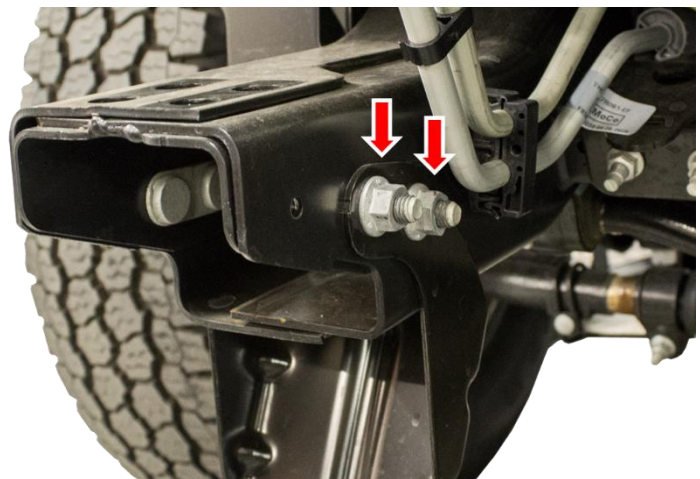
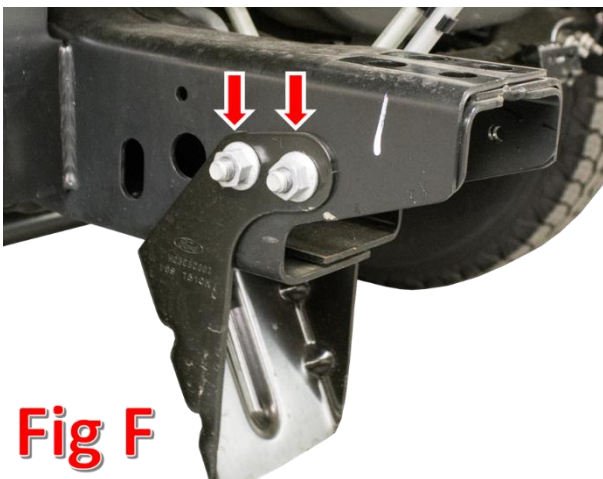
4. Use an 18mm Socket to remove the OEM bumper mounting bolts (4 per side) that are visible after removing the two small plastic covers. (Fig D)



5. Remove the OEM front bumper.
6. Use an 18mm to remove the tow hook mounting bolts (4 per side), then remove the tow hooks. (Fig E)



7. Use an 18mm Socket to remove the mounting nuts (4 per side) for the lower brackets on each frame rail. Then, remove these brackets. Save these bolts for reuse. (Fig F)



8. Prepare to install your new ADD Front Bumper.

INSTALLATION

1. If you purchased a winch or any lights, now is a good time to install those on your bumper. Please follow the light/winch manufacturer's installation instructions for mounting/wiring information.
2. Set the supplied Frame Horn Adapters in place. Then, secure them using the bolts you removed in Removal Steps 2 & 7. Also, use the supplied 1/2" Bolts (x4), 1/2" Washers (x8), and 1/2" Nylon Lock Nuts (x4) per side. (Fig G) Once all bolts have been installed, go back and torque the factory bolts to factory torque specs and torque the supplied 1/2" bolts to 70 foot pounds.

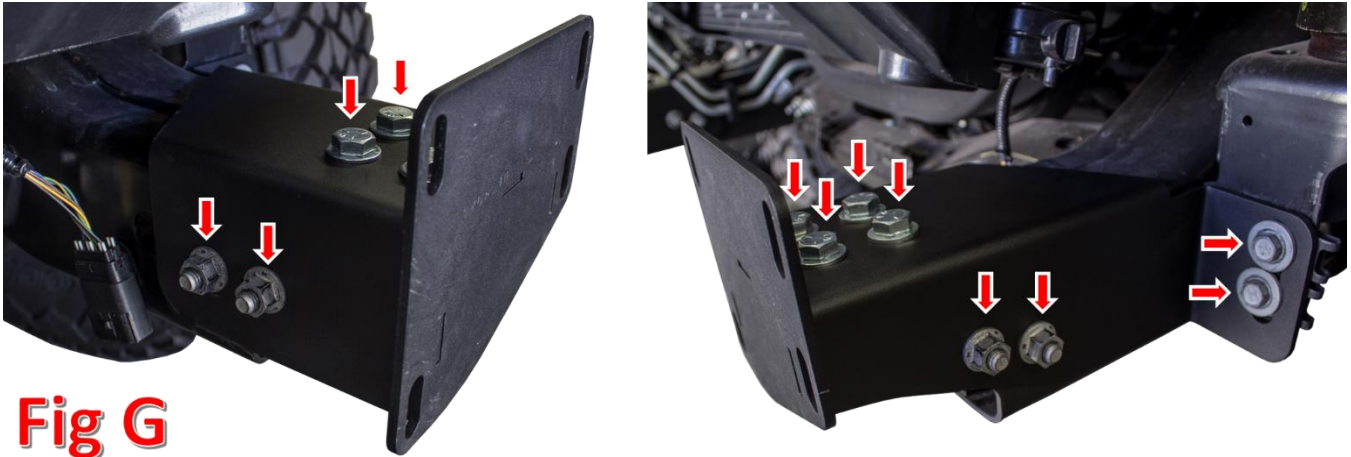


Fig G

3. Line the mounting holes on the back of your new bumper up with the mounting holes on the newly installed Frame Horn Adapters. Then, loosely install the supplied 1/2" Bolts (x8), 1/2" Washers (x16), and 1/2" Nylon Lock Nuts (x8). (Fig H)

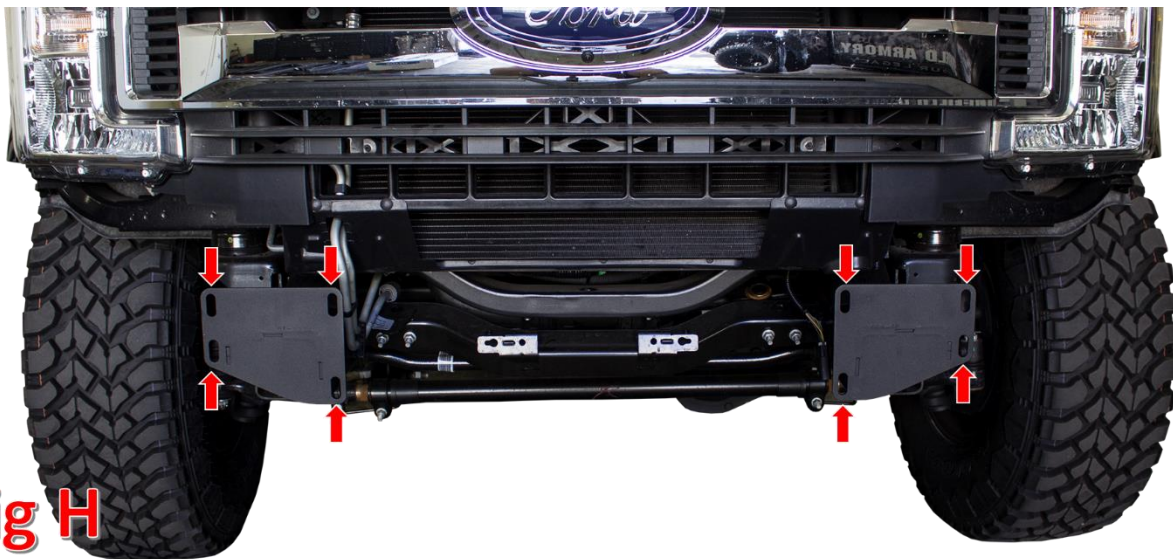


Fig H

4. Align your new bumper so that it sits straight in relation to the grille/valance and is centered left to right. Then, tighten the bumper mounting bolts to 70 foot pounds.
5. Stand back and enjoy your new ADD HoneyBadger Front Bumper.
6. Check and re-tighten if needed, all mounting bolts after 100 miles and periodically thereafter.



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