# **ADDICTIVE DESERT DESIGNS**

## 2010 - Current Ram 2500 Stealth Fighter Rear 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. 15mm Socket
  - b. 10mm Socket
  - c. Flathead Screwdriver
  - d. Ratchet
  - e. 3/4" Socket and Wrench
  - f. Wire Crimpers
  - g. Butt Connectors

Note: this installation requires 2 people for best results

- 5. Included in Kit:
  - 4 Hex Head Bolts 1/2"-13 x 1 1/2"
  - 8 Flat Washers 1/2"
  - 4 Nylon Locking Nuts 1/2"-13
  - 4 Button Head Bolts M8-1.25 x 30mm
  - 4 Flat Washers M8
  - 1 License Plate Light Kit
  - 2 Resistor Assemblies

#### **REMOVAL**

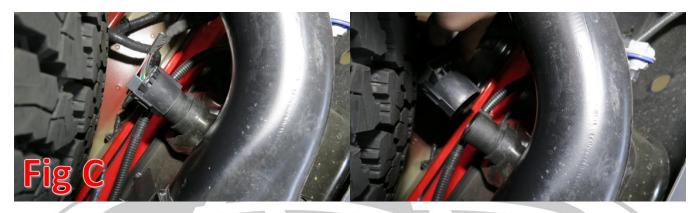
1. From underneath the truck, remove the license plate lights from their housings. (Fig A)



2. From underneath the truck, unplug the parking sensor harness connector. (Fig B)



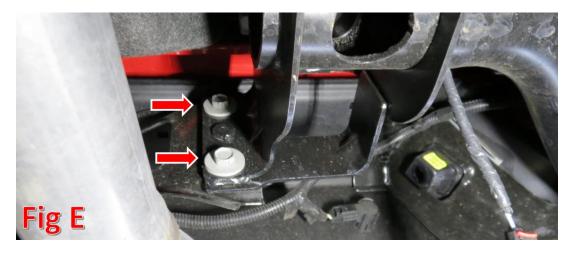
3. From underneath the truck, remove the trailer light connector. (Fig C)



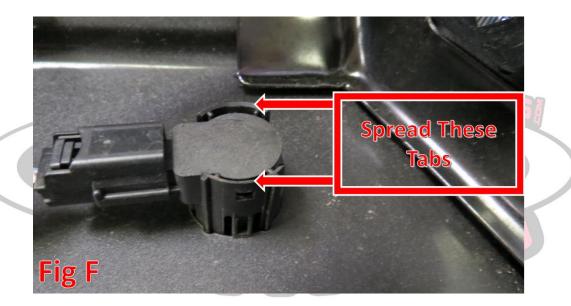
- 4. Using a flathead screwdriver, remove your license plate.
- 5. Remove the two 15mm bolts behind the license plate. (Fig D)



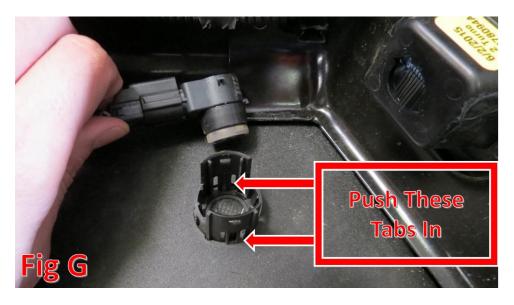
6. From underneath the truck, remove the four 15mm bolts (two per side) that hold the OEM Bumper to the frame horns and remove the bumper. (Fig E)



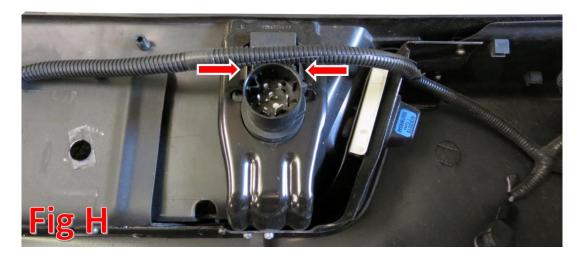
- 7. Remove the parking sensors from the OEM Bumper.
  - a. Spread the tabs on the back side of the outer mounting ring and pull the sensor out of the back of the ring. (Fig F)



b. Push in the tabs referred to in Fig G and push the outer mounting ring out the front of the bumper.



8. Remove the trailer light plug from the OEM bumper by pressing in the two metal tabs and on the back of the plug and pushing the plug out the front of the bumper. (Fig H)



9. Using a 10mm Socket, remove the two bolts (per side) that hold on the bumper mounting plates. Then, remove these plates. (Fig I)



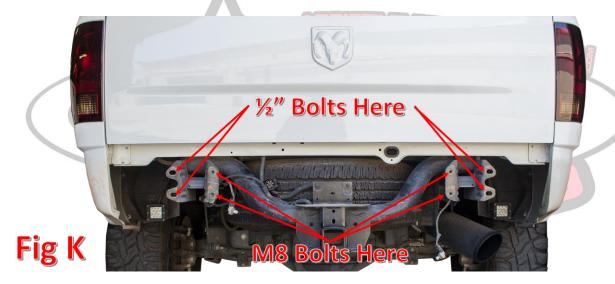
10. Prepare to install your new ADD Stealth Fighter Rear Bumper.

### **INSTALLATION**

- 1. Install the parking sensor/harness assembly onto your new ADD Bumper. (Fig J)
  - a. Push outer sensor mounting rings into place from the front side of the bumper.
  - b. Push the sensor with harness still attached into the mounting ring from the back side of the bumper. Make sure that the main harness plug remains on the driver side of the vehicle.



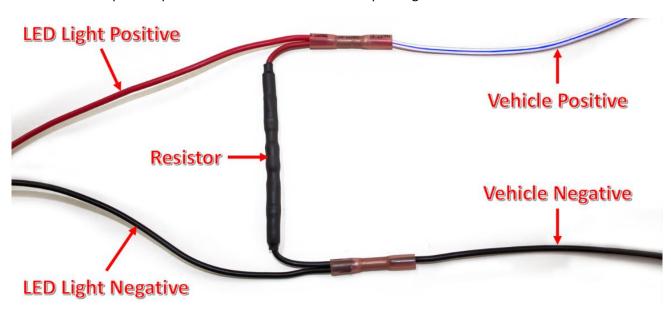
- 2. If you have lights to install on your bumper, now would be a good time to do so.
- 3. Set the bumper in place so that the mounting holes on the truck's frame horns line up with the mounting holes on the bumper. Secure the bumper to the frame horns using the supplied 1/2" Bolts (x4), 1/2" Washers (x8), and 1/2" Locking Nuts (x4) on the outer set of holes and the supplied M8 Bolts (x4) and M8 Washers (x4) on the inner set of holes. Once all the bolts are installed, go back and torque the 1/2" Bolts to 70 foot pounds and the M8 Bolts to 20 foot pounds. (Fig K)



- 4. Plug in the main parking sensor harness connector that was unplugged in Removal Step 2.
- 5. Install the Trailer Plug into its precut hole in your new bumper. Then, plug the connector into the back side of the Trailer Plug. (Fig L)



- 6. Install the LED license plate lights. (Fig M)
  - a. Using a 10mm Socket, mount the supplied LED lights as the bolts for your license plate.
  - b. Cut the wires that go to your OEM license plate lights.
  - c. Follow Fig M for wiring guidelines
  - d. Repeat Steps 4a 4c on the other LED license plate light.





- 7. Stand back and enjoy your ADD Stealth Fighter Rear Bumper.
- 8. Check and re-tighten if needed, all mounting bolts after 100 miles and periodically thereafter.



For Additional Support or Technical Questions, Please Call 480.671.0820 or Email <u>info@addictivedesertdesigns.com</u>