

# ***ADDICTIVE DESERT DESIGNS***

## **2010 - 2014 FORD RAPTOR STEALTH FIGHTER FRONT BUMPER INSTALLATION INSTRUCTIONS**

### **PREPARATION STEPS**

1. Disconnect the negative terminal on the battery. With the vehicle on level ground and the emergency brake set.
2. You will need the following tools:
  - a. 90' drill
  - b. ½" drill bit
  - c. ¾" wrench
  - d. ¾" Socket
  - e. Ratchet
  - f. 15MM socket and ratchet
  - g. Sharpie type marking pen
  - h. Center punch
3. Hardware Included:
  - a. 8 - ½" x 1 ½" Bolts
  - b. 8 - ½" Nuts
  - c. 12 - ½" Flat washers

\*\*2 - 15mm Skid plate Bolts will be re-used in the installation

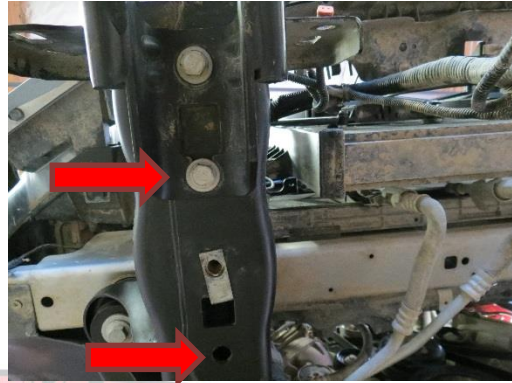
### **INSTALLATION INSTRUCTIONS**

1. Remove factory Front Bumper and front skid plate (Keep the 2 - 15mm Skid plate Bolts for re-use) .
2. Fit the Bumper onto the truck and use the Sharpie to mark the frame horn to drill the ½" holes. The red arrows are the holes to be drilled, the blue arrows show the factory slots. Slots and holes will be opposite for the Drivers side



\*\*\*If you purchased lights that fit behind the bumper, now is a good time to install those into the bumper\*\*\*

3. Now you will want to unbolt your tow guards and move back one hole.



4. Fit the bumper back onto the truck and attach using the supplied  $\frac{1}{2}$ " x  $1\frac{1}{2}$ " Bolts (8 ea.),  $\frac{1}{2}$ " Nuts (8 ea.) and  $\frac{1}{2}$ " Flat Washers (12 ea.). Leave finger tight until all of the bolts are installed, then tighten to 70 ft./lbs.

\*\*\*The Upper outside holes will not be used and the holes will be kept open.\*\*\*

5. Attach the lower section using the 2 – 15mm Skid Plate Bolts taken from the factory skid plate.



6. Step back and enjoy your new A.D.D. bumper.



7. 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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