

## FRAME MOUNTED LIGHT BARS By Randy Ellis Design Inc.

## INSTALLATION INSTRUCTIONS Part # 2905 ('09-'14 F-150)



## Supplied hardware:

- (2) 5/8-11 x 2" bolts
- (2) 5/8-11 nuts
- (2) 5/8 lock washers
- (4) 5/8 flat washer
- (2) 3/8-16 x 1-1/2" bolts
- (2) 3/8-16 nuts
- (2) 3/8 lock washers
- (4) 3/8 flat washers

Formed back-up plate (left and right)

## **Tools Required:**

15/16 Wrench 15/16 Socket & Driver 9/16 Wrench 9/16 Socket & Driver

Note: Some trucks will have plastic filler panels that will need to be removed or trimmed for the installation of this light bar.

- 1. In the large opening in the center of the front bumper, notice the large holes in the frame plates on each side. The light bar uses these holes to mount.
- 2. Open your hood. Insert the light bar brackets through the bumper opening with the holes in the light bar brackets aligned with the holes in the frame plates.
- 3. Insert the 5/8" bolt with one flat washer through the light bar bracket and frame bracket on both sides.
- 4. On the back side of the frame plate, slide the matching formed back-up plate on the 5/8" bolt.
  - NOTE: The smaller 3/8" holes will line up with the 3/8" holes of the light bar bracket and the formed leg will point towards the rear of the truck with the legs to the outside.
- 5. Start the 5/8" flat washer, lock washer and nut to hand tight.
- 6. Insert the 3/8" bolt with one flat washer through the light bar bracket and then through the formed back-up plate on each side, start the 3/8" flat, lock washer and nut to hand tight.
- 7. Align the light bar side to side until centered. Tighten all hardware.

Install the lights of your choice and enjoy!



Randy Ellis Design, Inc.
2855 W. Fairmount Ave., Phoenix, AZ 85017
Phone: 602-803-1122
Web: www.randyellisdesign.com

E-mail: info@randyellisdesign.com