

Preparation:

- Disconnect the negative battery terminal. Park the vehicle on level ground and set the emergency brake.
- We recommend reading through the installation instructions in whole before performing the work.
- When button head bolts are being used, install the supplied washer on the nut side. Then, hold the bolt stationary and only turn the nut to tighten. Do not turn the bolt to tighten hardware assembly, unless otherwise noted.
- Estimated Installation Time: **.5 Hours for Installation**

1 Additional Hour to Wire Lights

*****This installation requires 2 people for best results*****

*****Labor Rates are based on a vehicle with no pre-existing damage. Wiring labor is based on a standard wiring procedure with light switches installed in an easily accessible location. Custom light triggering or switch mounting location will result in a greater labor charge.*****

You will need the following tools:

- | | | |
|---------------|-------------------------|-----------------------------|
| - Ratchet | - 9/16" Socket & Wrench | - 5/16" Allen Wrench/Socket |
| - 3/4" Wrench | - Drill | - 3/8" Drill Bit |

Included in Kit:

- | | |
|---|--|
| 2 - Button Head Bolts (1/2"-13 x 1 1/2") | 2 - Flat Washers (1/2") |
| 2 - Nylon Lock Nuts (1/2"-13) | 2 - Hex Head Bolts (3/8"-16 x 1") |
| 4 - Flat Washers (3/8") | 2 - Nylon Lock Nuts (3/8"-16) |
| 2 - Rubber Trim (6" Long) | |



Installation:

1. Find the supplied pieces of rubber trim. Cut two relief cuts in the those pieces as shown. **Do not cut all the way through the trim.** (Fig A) Then, install the supplied trim onto the light hoop as shown in (Fig A). If your rubber trim piece hangs off the edge of the light bar hook, trim off the excess rubber.



Cut relief cuts here before installing
the rubber trim

Before



After



Fig A

Install the rubber trim here
on both sides of the bar



ADDITIVE DESERT DESIGNS®

2015-2020 Ford F150/Raptor ADD PRO Bolt-On™
Add-On Light Hoop Installation Instructions

2. Use a 5/16" Allen Socket and a 3/4" Wrench to remove the two 1/2" Bolts referenced in (Fig B).



Fig B

3. Set the light bar in place on the vehicle, hooking the light bar around the main tube of the bumper and lining the mounting holes on the mounting plate of the light hoop up with the mounting holes on the bumper. Then, install the supplied 1/2" Bolts (x2), 1/2" Washers (x2), and 1/2" Nuts (x2). Leave these bolts loose for now. (Fig C)



Fig C



4. THIS STEP IS OPTIONAL. If you would like an extra mounting bolt per side, mark out the location of the hole shown in (Fig D). Then, remove the light bar, drill the a 3/8" hole in the marked location. Reinstall the light bar using both the supplied 1/2" hardware (from Step 3) as well as the supplied 3/8" Bolts (x2), 3/8" Washers (x4), and 3/8" Lock Nuts (x2) in the newly drilled holes.



Fig D

5. Torque the 3/8" Mounting bolts to 30 foot pounds, and the 1/2" Mounting bolts to 70 foot pounds.
6. Install the any lights that you have now. Follow the light manufacturer's guide for mounting/wiring information.
7. Stand back and enjoy your new ADD PRO™ Bolt-On Add-On Light Bar.
8. Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.

