

INSTALLATION INSTRUCTIONS

BRUTE™ SERIES FRONT BUMPER



Application: 2017-19 Ford F250 / F350 Front

Thank you for choosing Backwoods Adventure Mods for your bumper! We value our customers and off road lifestyle.

Safety First! Thoroughly read all instructions and warnings before beginning the installation. Use your own judgment and, if necessary, have the installation done by a professional.

This bumper is intended for off-road use only. The owner assumes all liability for installation and use. Any sensor will have an altered view when installed in an after-market bumper.

Tools Needed:

- ¾" Socket and Driver
- ¾" Open End Wrench
- 15mm Socket
- 18mm Socket
- ¾" Stubby Wrench*
- ¾" Ratcheting Wrench*

*Not Required, but Helpful

Hardware Included

- (16) ½"-13x2" Grade 8 Bolts
- (16) ½"-13 Lock Nuts
- (32) ½" Flat Washers

Before You Begin Bumper Installation:

1. Disconnect battery (both if equipped) prior to performing any electrical work.
2. Remove original bumper and all bumper mounts and brackets:
 - Unplug all wiring connected to the bumper
 - Remove the 4 bolts around each tow hook with an 18mm socket.
 - Remove the 4 bolts from the bumper supports behind the bumper with a 15mm socket.
 - Carefully remove the bumper.
 - Remove the frame horns and retain the (4) bolt strips (8 bolts, connected in pairs) that secure the frame horns to the frame rails. Use an 18mm socket.

Install Your New Bumper:

1. It may be easier to install the bumper without the lights so you can use the light holes to access bolt locations. You can install the lights after the bumper is installed.
2. **Winch bumper only:** if you ordered a winch, install it and the fairlead into the bumper before installing the bumper. Connect the winch leads as directed by the manufacturer.
3. Use the original bolt strips and 8 of the supplied bolts to loosely install the new bumper mounts. Center the mounts fore/aft on the frame, then tighten the bolts to 80 ft-lbs. See pictures 1-3.

1



2



3



4. You can now hang the bumper on the mounts (picture 4). Raise the bumper to the desired position and loosely install the other 8 supplied bolts that secure the bumper to the mounts.



5. Adjust the bumper until desired fitment is achieved. $\frac{1}{2}$ " gap under the headlight panel is recommended for clearance (picture 5). Tighten the bolts to 80 ft-lbs.
6. If you ordered LED lighting, install the lights and connect the wiring as instructed by the manufacturer.