



Installation Instructions: TR-0033: 2017+ Ford Super Duty 20" LED Light Bar Brackets



Kit Contents:

- (1) Bracket (Left)
- (1) Bracket (Right)
- Instructions

1. Remove the front bumper by first removing the covers over the front bumper bolts around the tow hooks. Two tabs on the top need to be pushed to release the covers.



2. Next, remove the two bolts in each fender well that hold the bumper supports to the frame. Passenger side shown in photo 2.



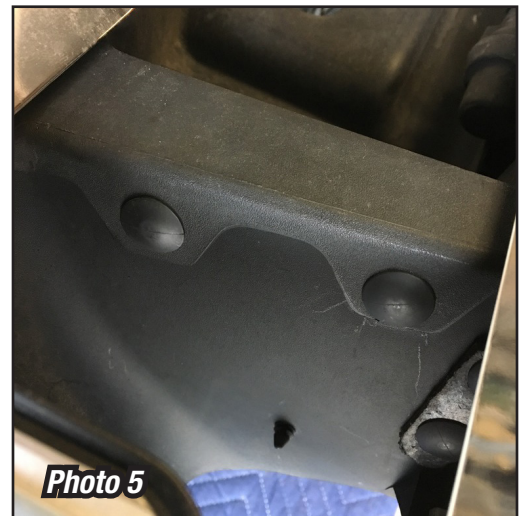
3. If your truck is equipped with a block heater, disconnect it behind the front bumper near the frame on the passenger side. Shown circled in photo 3.



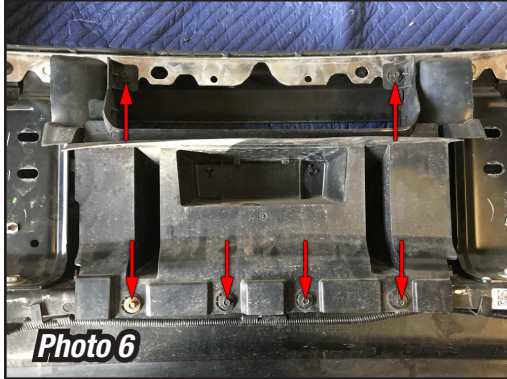
4. Unplug the factory fog light wiring harness from the vehicle side harness on the inside of the drivers side frame rail, behind the bumper. Shown in photo 4.



5. Remove 8 main bumper bolts from the front face of the bumper. A tip to removing them is to back out the bolts and leave only a couple of threads engaged in the nut plate behind the bumper. Doing this will prevent the nut plate from spinning while you remove the other bolt.
6. Carefully remove the bumper off of the frame and set it face upon a soft towel or blanket to prevent damage.
7. From the front face of the bumper, remove the two plastic push-in retainers on either side of the license plate. See photo 5.



- Start removing all of the plastic center filler pieces by first removing the 6 bolts marked in photo 6 with an 8mm socket.



- With the center bolts and push in retainers removed you can pull out the center section of the plastic filler, with the license plate attached. You will have to pry up a bit on the license plate to get it to slip over the lower bumper lip as you pull the assembly out the back of the bumper.



- With the plastic filler removed from the center, you can now trim the remaining plastic pieces on the inside of the tow hook area. The plastic is easily cut with a sharp razor knife. Trim along the line shown in silver, and pointed out by the arrows first to retain rigidity to the plastic surround. See photo 8. You can loosely attach the KD Fabworks brackets to your light bar and test fit to see how much you need to trim.



- If you need to fit a larger light bar (22"+), you can trim further to get clearance like we had to do in photo 9.
- With the plastic trimmed, re-install the front bumper to the truck by just the 2 bolts outboard of both tow hooks (4 bolts total). Use the factory nut plates on the backside of the bumper. Adjust the height of the bumper and tighten down the 4 bolts.
- With the bumper in place, loosely attach the KD Fabworks brackets to the face of the bumper, slipping it under the plastic piece around the tow hook using the factory bumper bolts. Keep loose to make final adjustments. The KD Fabworks brackets will have the tab that sticks out pointing upward....so that the bar is centered in the bumper opening.
- Attach your light bar to the KD Fabworks brackets at this point using the hardware supplied with your light bar. Because of so many different brands of light bars that use different thicknesses of mounting brackets, and different bolt sizes, you may need shorter bolts to attach the light bar with. You don't want to use bolts that are too long that will bottom out in the light bar before getting tight, and damaging the bar. If you do need new bolts, your local hardware store should have some stainless steel replacements.
- Adjust the light bar to center it in the bumper opening and tighten down the light bar mounting bolts, as well as all 4 bumper bolts.
- Reinstall the front bumper bolt covers previously removed.
- Reinstall the inner fender to frame support bracket bolts.
- Plug in the factory fog light harness and the block heater plugs.
- Wire the LED light bar to the manufacturers recommendations.

