

# Installation Instructions:

## TR-0027: 2017+ Ford Super Duty Dual Light Mounting Brackets

### Kit Contents:

- (1) Main Bracket (Left)
- (1) Main Bracket (Right)
- (1) Bezel (Left)
- (1) Bezel (Right)
- (6) 6mm Stainless Steel Button Head Bolts
- (6) 6mm Stainless Steel Nyloc Nuts
- (12) 6mm Stainless Steel Washers



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.



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.

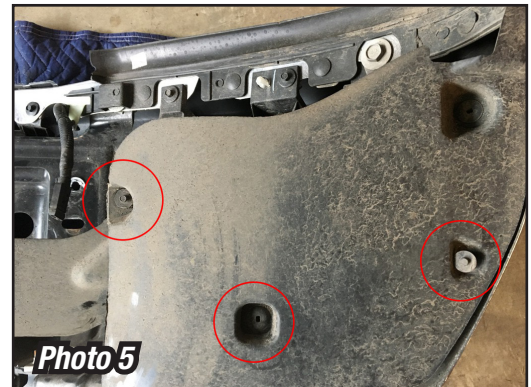


2. Next, remove the two bolts in each fender well that hold the bumper supports to the frame. Passenger side shown in photo 2.



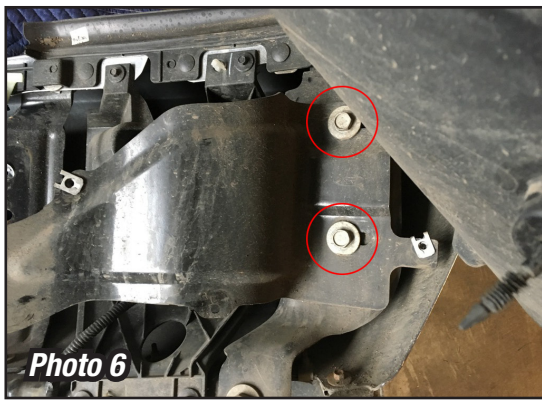
5. Remove 8 main bumper bolts from the front face of the bumper. A tip to removing them is to back out the bolts and leave only a couple of threads engaged in the nut plate behind the bumper. Doing this will prevent the nut plate from spinning while you remove the other bolt.
6. Carefully remove the bumper off of the frame and set it face down on a soft towel or blanket to prevent scratches.
7. Using a 5.5mm socket, remove the 2 bolts that hold the splash guard onto either side of the bumper that cover the fog lights. Remove the push-in retainer on the bottom, you can leave the one in the top of the splash guard. The push pin has a couple of tabs that you will need to squeeze to start releasing in, then pulling it out the rest of the way. Shown circled in photo 5.

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.

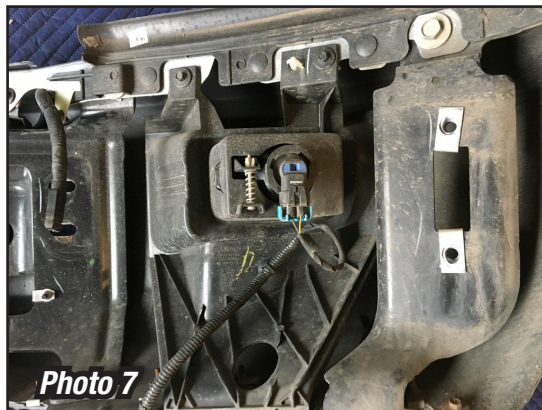


8. Folding the splash guard out of the way, remove the two bolts holding the frame support bracket from the bumper. Shown

circled in photo 6. Remove the bracket and guard from the bumper and set aside.



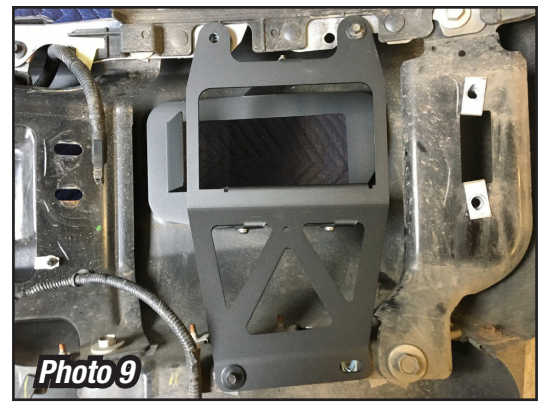
9. Now that you have full access to the fog light area, unplug the fog light wiring from the fog light bulb, and pull the push-in retainer out that holds the wiring harness to the factory bracket.



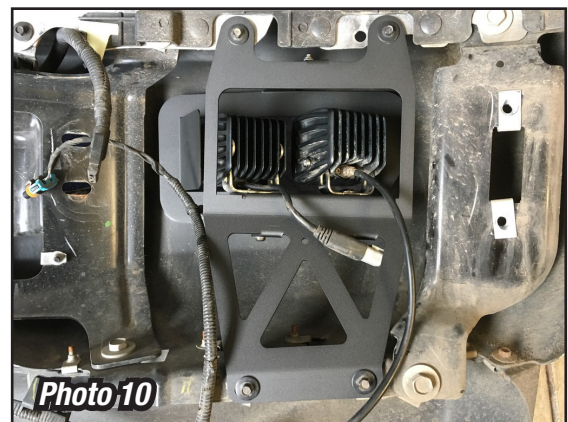
10. Remove the 4 small bolts holding the factory foglights to the bumper using an 8mm socket.
11. Begin assembling the KD Fabworks bracket and shroud by using the 6mm Stainless steel hardware included. For the main brackets, the light mounting tab angles towards the center of the vehicle. The large tab on the shroud will be on the inside of the truck. Do not tighten these bolts at this time. Leave them snug so you can adjust the depth of the shroud. See photo 8.



12. Place the bracket assembly in place on the bumper, and secure with the factory hardware you removed in step 10. See photo 9.



13. Make any adjustments to the shroud to get it to fit close to the inner lip of the bumper opening.
14. Remove the bracket and fully tighten the shroud bolts to secure it in place.
15. Attach the Rigid Industries D-Series lights to the brackets using the hardware supplied with the lights. The brackets have a lot of adjustment built into them, allowing front-to-back adjustment, and the brackets with the D-Series lights allow adjustment left-to-right and up-and-down. You can get the lights roughly in place at this time.
16. Place the assembly back in the bumper with the factory hardware removed in step 10.



17. Make any adjustments needed on the lights and the bracket to get the bezel to line up in the bumper opening. Tighten all mounting hardware once you are satisfied with the alignment.
18. Secure the factory wiring harness to the KD Fabworks bracket by pushing the push-in retainer into the hole just above the center cut out in the bracket.
19. Reinstall the bumper support brackets that you removed in step 6.
20. Reinstall the bolts and push-in retainer with the splash guard that you removed in step 5.
21. Reinstall the bumper back on the vehicle carefully, watching the ends of the bumper so they don't scratch the paint on the fenders.
22. Install the main bumper bolts through the bumper into the nut plates and leave snug at this time.
23. Install the bolts for the bumper-to-frame inner fender support brackets.
24. Make any necessary adjustments to center the bumper and adjust the height, and tighten all bolts.
25. Plug in the factory fog light harness and the block heater that you unplugged in steps 3 and 4.
26. Wire the lights using the wiring harness supplied with the lights, or use the plug-and-play wiring adapter from KD Fabworks (sold separately, part number TR-H10).