



## 23+ Ford Super Duty Blade Installation Instructions

Congratulations on your purchase of a high quality PUTCO product. Should you need any application or technical assistance, feel free to call us at: 1-800-247-3974

Monday-Friday 8:00 a.m. - 5:00 p.m. (Central Standard Time)

Contact your PUTCO dealer for other quality accessories.

Please read all instructions before installation and to check to see that all parts are included.

KIT CONTENTS:	
Description	Qty
Blade light bar	1
Mounting Brackets	4
3M Tape Strips	4
Tail Lamp Wire Harness	1
7- pin Wire Harness	1
QR Instructions	1

### Tools Required:

- At Least 90% Isopropyl Alcohol
- Clean Towel
- Socket Wrench
- Zip Ties
- 3/8" socket

***Read These Instructions Carefully Before Continuing with the Mounting and Wiring Options for your Specific Vehicle***

## Blade Light Bar Installation

1. Ensure that all components of the kit listed above are present and in good condition.
2. Before installation, ensure that the vehicle surface temperature is at a minimum of 15°C (60°F)
3. For ease of installation it is recommended that the tailgate be removed. See Figure 3
4. If equipped, remove the trim piece shown in Figure 1.



Figure 1. Trim Piece Location

5. Using the isopropyl alcohol and a clean towel, wipe down the vehicle thoroughly where the light bar is to be installed. See Figure 3. **Note: The tailgate light bar is to be installed just below the bottom of the tailgate and above the bumper.**
6. Install 3M tape strips on the back of the black plastic brackets as seen in Figure 2.

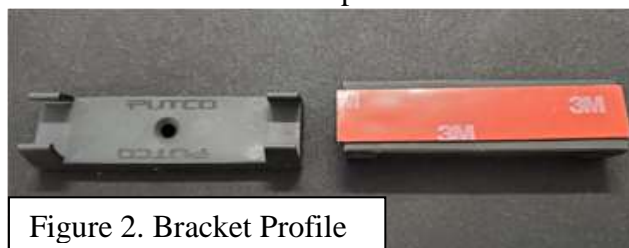


Figure 2. Bracket Profile

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7. Evenly space and snap the four brackets onto the blade light bar. Use the black plastic brackets to clear the tailgate support bracket found on the passenger side. (If equipped)
8. Begin by removing tape release liner on all brackets. The blade light bar is to be installed just below the bottom of the tailgate and above the bumper as seen in Figure 3.  
**Note: Do not stick tape to truck until the Blade light bar is centered in the correct position.**



Figure 3. Blade Installation Location

9. From behind the 7-pin trailer connector located at the bumper, depress the retention tabs and pull the 7-pin out from the bumper as seen in Figure 4a.
10. Install the 7-pin wire harness as shown in Figure 4b.
11. Reinstall the 7-pin trailer connector to the bumper as seen in Figure 4c.



Figure 4a.



Figure 4b.



Figure 4c.

12. Remove both tail lamps by removing the two bolts located inside the bed using a 3/8 socket and wrench as seen in Figure 5.



Figure 5. Tail Lamp Removal

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13. **For Tail Lamps with 3 Connectors:** remove the bottom connector and install the tail lamp wire harness. See Figure 6a and 6b.
14. Repeat for both sides.



Figure 6a.



Figure 6b.

15. **For Tail Lamps with Only One Connector:** Remove the connector and install the tail lamp wire harness. See Figure 7a and 7b
16. Repeat for both sides.



Figure 7a.



Figure 7b.

17. Route the wires through the tail lamp opening and reinstall the tail lamps. See Figure 8



Figure 8. Tail Lamp Reassembly

16. Route the Tailamp wire harness and 7-pin wire harness along the inner bumper and zip-tie safely into place.
17. Connect the 4-pin plug and red brake plug of the tail lamp wiring harness to the Blade light bar. **Note: Putco Recommends using di-electric grease on 4-pin connector to help keep the connection water resistant.**
18. Connect the white reverse wire from the 7 pin harness to the Blade light bar.
19. Zip-tie the Blade light bar driver box and loose wires behind the bumper. **Note: it is paramount that all components are safely placed away from road debris, pinch points, and hot exhaust parts.**