# VMP-AM SERIES FORD MOUNTING PLATE INSTALLATION MANUAL

The VMP-AM Ford Mounting Plate from Larson Electronics offers a permanent antenna mounting plate for 2018 Ford F150 trucks and conveniently mounts to the rear cab light requiring no holes or modifications to be done to your vehicle.

## Mounting the Plate



**1.** Begin by removing the third brake light with a **9/32”** socket. There are 4 screws holding this in place.



**2.** **A.** Carefully remove the light housing to reveal three bulbs attached to the housing.

**B.** For taillights with a camera or LED’s, reveal the wire harness.



**3.** **A.** Rotate the first bulb assembly and pull it out to remove it from the housing. Tuck it into the tail light housing of the truck. Do this for the remaining bulbs and set the taillight assembly aside.

**B.** For taillights with a camera or LED’s, unplug the wire harness. Undo the plastic retainer from the light and unclip the wires going to the light assembly.




**4.** Grab your new mount and remove the two screws and toggle bolts. These help hold the mount in place without adding stress to the tail light.

**5.** Inspect the gasket on the backside of the F-350 plate to ensure the surface is free of any defects or foreign material.

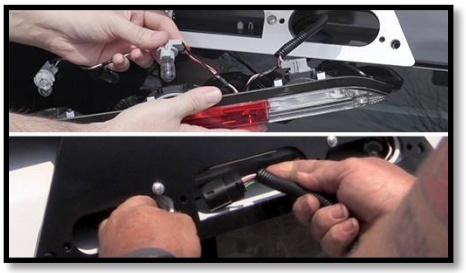
**6.** Place the mount up against your truck with the top facing toward the back of your truck. Replace both toggle bolts. Partially install each toggle bolt and make sure all other holes are aligned.



**7.** Once the mount is aligned, tighten the 2 toggle bolt screws with a Phillips screwdriver. Be careful not to over tighten these screws to prevent damage to the bolts and/or your truck. However, ensure that the screws used to compress the gasket are evenly tightened. Uniformly sealing the plate to the truck and firmly compressing all areas of the gasket.

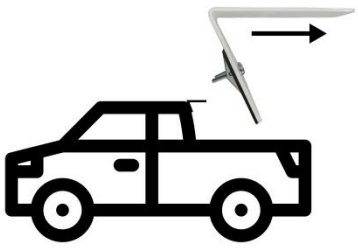


**8.** Reattach each light assembly to the brake light housing and twist to lock it in place. For taillights with a camera, reattach the wire harness.



**9.** Place the brake light housing up against your truck and replace the 4 screws to hold it back in place.
***Note:*** *If a screw won't get tight, realign the mount by loosening the two toggle bolt screws. Make sure the holes line up and retighten the two screws holding the mount and toggle bolts in place.*







**Complete!** Your new mount is now installed! Check to ensure everything is secure and that your tail lights are working. Attach your device to the steel mounting plate via magnet (if applicable) or permanent mount to the aluminum plate. Run wires to your device.

## ROUTING WIRE THROUGH GASKET

It is recommended to use wire no thicker than gasket width (4mm). Only cut and route wiring through the bottom of mounting plate and gasket. This limits water from entering the cab light area.

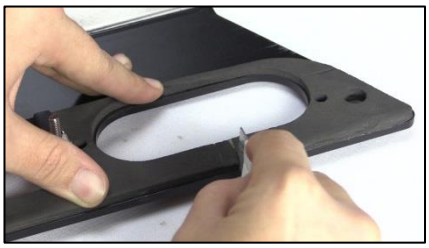
1. Find an area on the bottom of gasket to route wire. Water has greater potential to enter cab light area if gasket is cut from the top or sides.



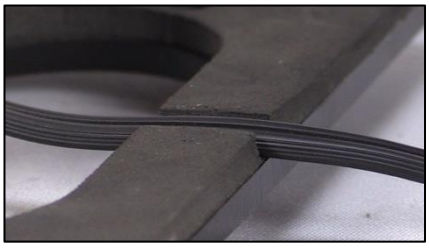
2. Press cable up against gasket to create an indentation. Mark gasket with knife or similar if necessary.



3. Cut gasket to size using indentation or marked area. Cut slightly smaller for a tighter fit and remove excess foam.



4. Test wire for fit. Cut any additional foam if necessary.



5. Once the wire fits, connect to your device and install mounting plate with wire routed through bottom of gasket.