



THIRD BRAKE LIGHT DUAL ANTENNA MOUNT

90201160 - Third Brake Light DUAL Antenna Mount

90201174 - Third Brake Light Dual Antenna Mount - With Rigid Industries LED's

90201175 - Third Brake Light Dual Antenna Mount - With Baja Designs LED's



90201175

**Fits the 2015-2020 Ford F-150, 2017-2020 Raptor,
2017-2020 Super Duty and the 2019-2020 Ranger**

INSTALLATION MANUAL

INTRODUCTION

Thank you for your purchase of our vehicle specific Third Brake Light DUAL Antenna Mount! We hope that you find the installation simple and straightforward. As our customer, your satisfaction is important to us, and for that reason we take pride in all of the products that we design and manufacture to ensure a reliable solution for years to come!

Pre-caution

Upon completing the installation of the Third Brake Light DUAL Antenna Mount the overall height clearance of the vehicle will have changed. Beware of your surroundings and heed all height restriction warnings as they pertain to your vehicle to avoid damage to the antenna, adapter or even vehicle.

Warranty

At Neal Technologies, Inc we know that if we don't take care of the customer, someone else will. That is why we strive to make each and every customer experience as wonderful as possible.

With regards to our Third Brake Light DUAL Antenna Mounts, we offer a 1-Year Parts-Only Warranty.

The limitations include:

- Parts-only, exchange-only warranty.
- Warranty is limited to defects in workmanship and materials.
- Shipping is NOT included with warranty returns.

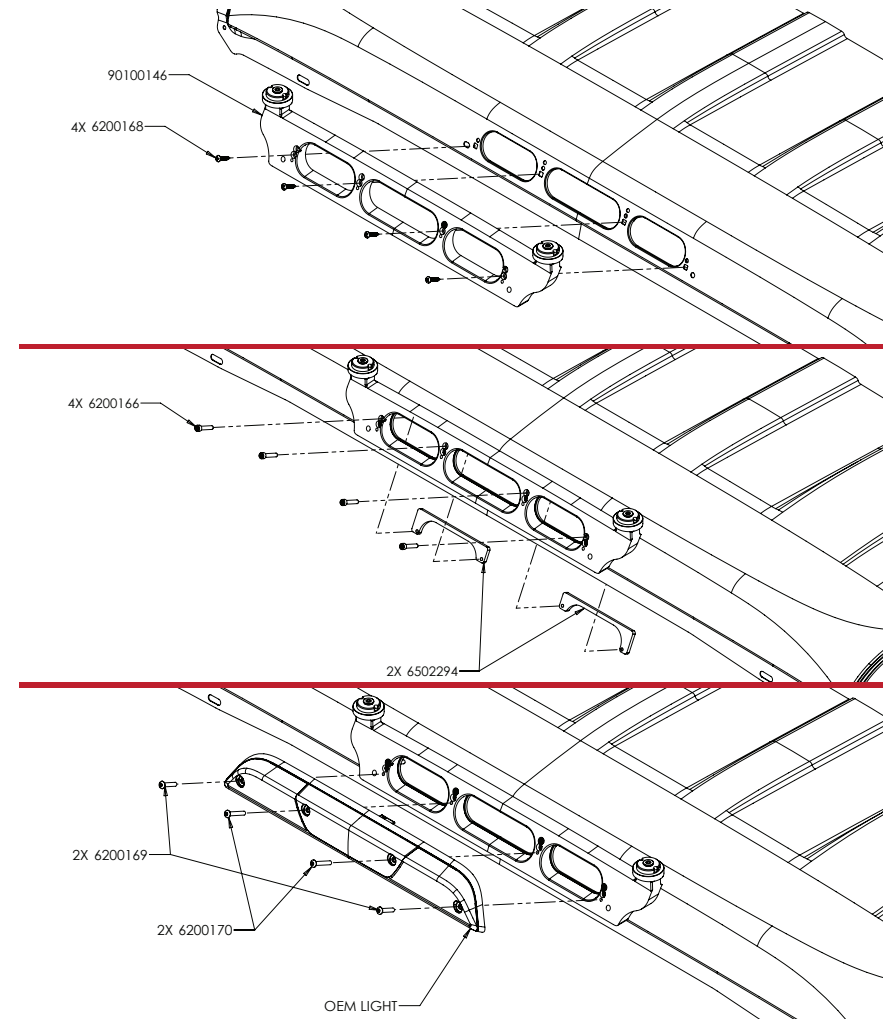
In the very rare event that you might actually have a warranty claim, we will be more than happy to assist you. Please call before you take action. We want to track and properly handle any warranty claims. You will need to contact our team at 888-967-6653 or 480-247-2331 and we will help you with your options and return.

Tools needed for installation

- Phillip Screwdriver
- Nut Driver; 9/32" (7mm)
- Allen Wrench; 5/32" & 1/8"
- 3/16" Drill Bit
- Drill

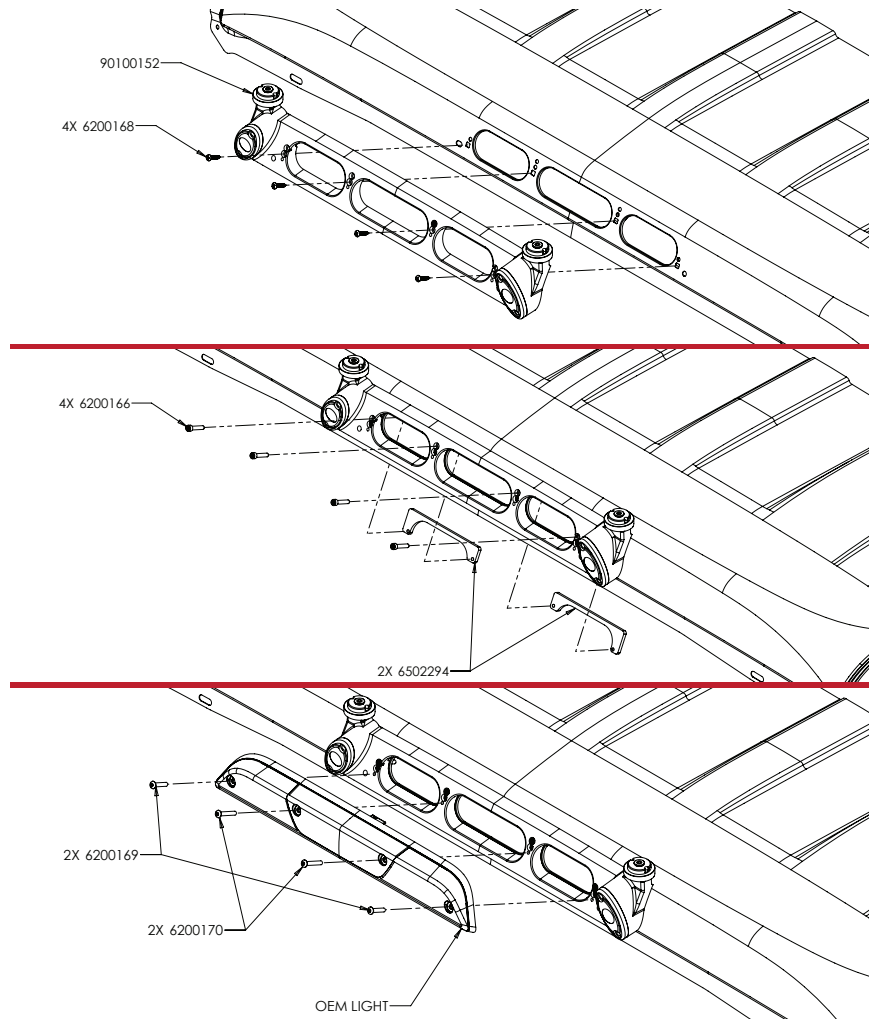


Parts List - 90201160



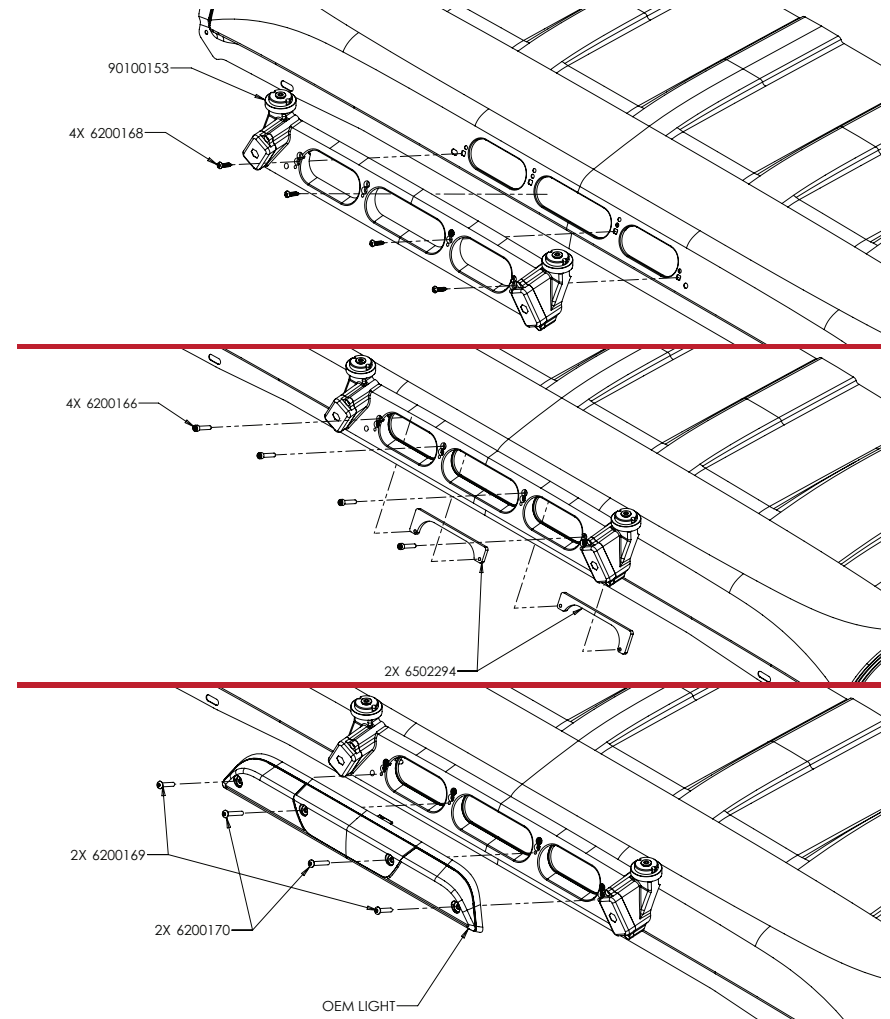
Part#	Description	Qty.
90100146	2015+ F150 DUAL ANTENNA MOUNT ASSEMBLY	1
6502294	2015+ F150 DUAL ANTENNA MOUNT CLAMP	2
6200166	#10-24 X 1" SOCKET HEAD CAP SCREW, 18-8 SS	4
6200168	#8 X 7/8" PAN HEAD SHEET METAL SCREW, 18-8 SS	4
6200169	#10-24 X 1" BUTTON HEAD CAP SCREW, 18-8 SS	2
6200170	#10-24 X 1-1/4" BUTTON HEAD CAP SCREW, 18-8 SS	2

Parts List - 90201174



Part#	Description	Qty.
90100152	2015+ F150 DUAL ANTENNA MOUNT WITH RIGID CARGO LIGHTS ASSEMBLY	1
6502294	2015+ F150 DUAL ANTENNA MOUNT CLAMP	2
6200166	#10-24 X 1" SOCKET HEAD CAP SCREW, 18-8 SS	4
6200168	#8 X 7/8" PAN HEAD SHEET METAL SCREW, 18-8 SS	4
6200169	#10-24 X 1" BUTTON HEAD CAP SCREW, 18-8 SS	2
6200170	#10-24 X 1-1/4" BUTTON HEAD CAP SCREW, 18-8 SS	2

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Part#	Description	Qty.
90100153	2015+ F150 DUAL ANTENNA MOUNT WITH BAJA DESIGNS CARGO LIGHTS ASSEMBLY	1
6502294	2015+ F150 DUAL ANTENNA MOUNT CLAMP	2
6200166	#10-24 X 1" SOCKET HEAD CAP SCREW, 18-8 SS	4
6200168	#8 X 7/8" PAN HEAD SHEET METAL SCREW, 18-8 SS	4
6200169	#10-24 X 1" BUTTON HEAD CAP SCREW, 18-8 SS	2
6200170	#10-24 X 1-1/4" BUTTON HEAD CAP SCREW, 18-8 SS	2

INSTALLATION STEPS:

Step. 1 Make sure you have all the required tools you will need for installation. TIP: Refer to page one (1) for tool list.

Step. 2 Remove the four (4) screws holding the housing in place and pull away from the cab.



Step. 3 Disconnect the light housing at the pigtail connector - not at the light. You may have to press down on a set of retaining clips to access the connector. Set aside the housing in a safe place for later.



Step. 4 Align the adapter and attach it to the cab using the four (4) factory mounting holes and the four (4) provided phillips pan screws.



Step. 5 Keep the adapter secured and using the four (4) top center holes as a guide, drill through the body using a 3/16" bit.



Step. 6 Feed the support bracket through the left hole of the adapter. Slide the support bracket behind the adapter AND the truck body then, match up the support bracket's holes with the drilled holes. Use the provided socket cap screws to secure the support bracket in place.



Step. 7 Repeat step six (6) on the right side of the bracket.

Step. 8 Tighten all four (4) cap screws to ensure the support brackets are secure. TIP: Label each cable prior to feeding into the cab so you know which cable goes to which antenna.

Step. 9 Feed the antenna cables into the cab to your desired location.
Step. 10 Reconnect the light housing in the reverse steps of the removal.



Step. 11 Re-install the light housing using the two (2) longer cap head screws provided in the middle holes and the two (2) shorter cap screws in the outer holes. Once properly aligned, snug all the screws.

TIP: DO NOT OVERTIGHTEN



Lastly - Attach desired NMO standard threaded antenna connectors and fasten the PL-259 male UHF connector to your compatible receiver.



@bulletproofdest



480.247.2331 * 888.967.6653 * bulletproofdiesel.com

