



THIRD BRAKE LIGHT ANTENNA MOUNT

2019 - 2025 Chevy Silverado / GMC Sierra



90201251

INSTALLATION MANUAL

INTRODUCTION

Thank you for your purchase of our vehicle specific Third Brake Light Antenna Mount! We hope that you find the installation simple and straight forward. 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 Antenna Adapter 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 the 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 Antenna Adapters, 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 event that you need to make a warranty claim, we will be 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.

PLEASE NOTE



For this application the vehicle manufacturer recommends REPLACING all 8 of the factory nuts.
GM P/N 11611049

TOOLS FOR INSTALLATION

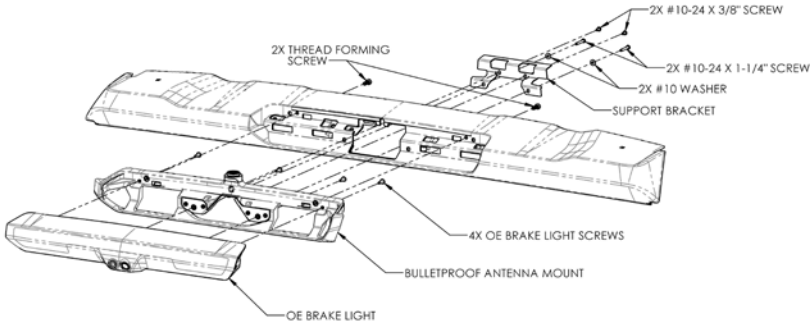
- Drill
- 1/4" Drill Bit
- 9/32" Drill Bit
- 7/32" Drill Bit
- T25 Torx
- T27 Torx

Supplies Needed:
Electrical tape
Drop cloth or towel to protect cab

NOTE

Additional tools might be needed for the removal of the spoiler.

Parts List - 90201251



Description	Quantity
Support Bracket	1
Thread Forming Screw	2
#10-24 X 1-1/4" Long Screw	2
#10-24 x 3/8" Long Screw	2
#10 Washers	2

DISCLAIMER

The installation of this antenna mount requires the rear “spoiler” to be completely removed from the vehicle. While this task is not overcomplicated, it does require lowering the vehicle headliner and accessing areas very near safety systems such as the side curtain airbags. For this reason and for clarity on spoiler removal we strongly recommend purchasing an OEM repair guide that will provide step by step instructions, specifically for the spoiler removal on your vehicle. This is a very cost effective way to have all of the information you will need at your fingertips. These are used by service repair shops all over the country and are of extremely high quality. Check it out here: Mitchell 1 Repair (eautorepair.net)

REMOVE LIGHT Use OE instructions for these steps:

- Remove the rear spoiler from the truck.
- Remove the third brake light from the spoiler.

INSTALLATION INSTRUCTIONS

FIG. 1 Place the Antenna Mount in the spoiler so that the rectangular guides register in the spoiler cut outs.



FIG. 2-4 Using the antenna mount as a guide, drill 2 pilot holes in the spoiler using a 7/32" drill bit in the locations shown.

NOTE: Do NOT drill holes in the OE mounting screw locations!



FIG. 5 Remove the antenna mount from the spoiler. Drill out the pilot holes with the 9/32" drill bit.



INSTALL ADAPTER

FIG.6-7 Assemble the third brake light to the antenna mount guiding the brake light wire (if equipped) through the mount and making sure both clips are securely snapped in place.

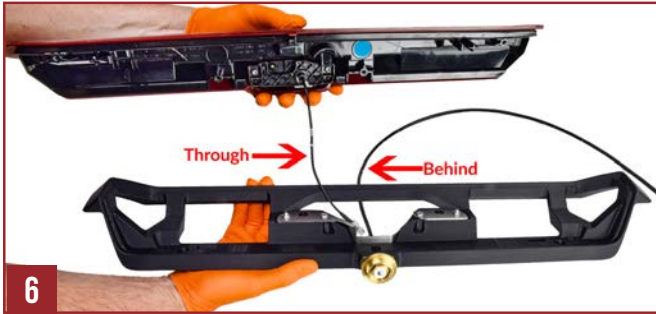


FIG. 8 Secure the third brake light to the adapter using the 4 OE screws.

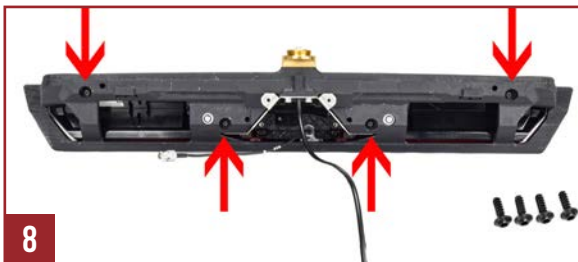


FIG. 9 Route the Antenna wire through the center opening of the spoiler, then fit the antenna mount and light into the spoiler.

NOTE: Take care to protect the spoiler from the metal antenna mount, it could scratch the painted surface.

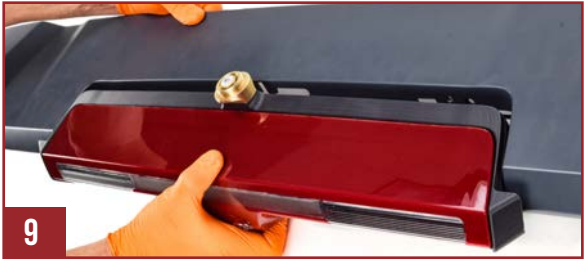


FIG. 10-11 With the spoiler upside down, use the 2 self-threading screws provided to secure the antenna mount to the spoiler.



FIG. 12-13 Place the support bracket on the spoiler as shown.



FIG 14-15 Secure the support bracket with the 2 longer 10-24 screws provided with washers in the outer mounting holes hand tight.



FIG. 16-17 Pushing the backer bracket down (toward the top of the spoiler), install the 2 shorter 10-24 screws provided (without washers) and tighten. Then tighten the two longer, outer 10-24 screws.



FIG. 18-20 Drill hole with 1/4" drill bit on passenger side of spoiler as shown for a push mount zip-tie.

NOTE: The zip tie needs to be as close to the rear of the spoiler as possible to clear the cab and window once installed.



FIG. 20-22 Secure antenna wire with zip tie and press in hole as shown.



NOTE: Align the zip tie under the spoiler material so it will reinstall properly.

FIG. 23-24 Route the small zip tie between the two layers of spoiler material then secure the antenna wire as shown.

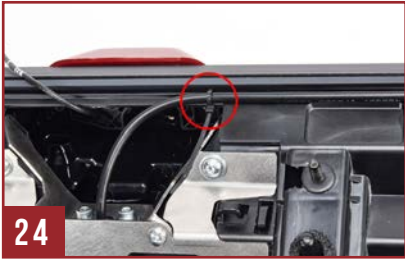


FIG. 25 Position antenna wire to remove all excess slack as shown. Tighten and trim zip ties.



FIG 26-27 Position the grommet half way on the installed wire sleeve. Use electrical tape to secure and seal the grommet into position as shown.



NOTE: Place something on the cab of the truck to protect the paint from the metal antenna base as it could scratch.

Place the spoiler on the roof of the truck upside down with light facing forward.

NOTE The drivers side of the spoiler should be on the drivers side of the truck.

FIG.28-29 Remove the large sealing grommet from the cab on the passenger side of the truck. Route the antenna wire through the hole into the cab and to the desired location.



FIG. 30-31 Connect the main light plug to the third brake light and lock into place.



FIG. 32-33 Connect camera plugs to third brakelight if applicable.

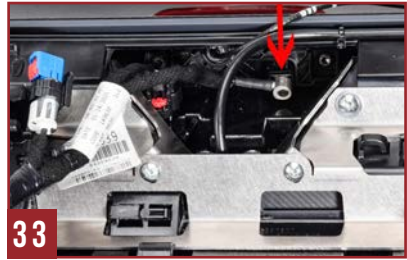


FIG.34-35 Reattach socket of OE harness to mount on the spoiler. Route camera wire as shown through the clip and connect to the OE harness

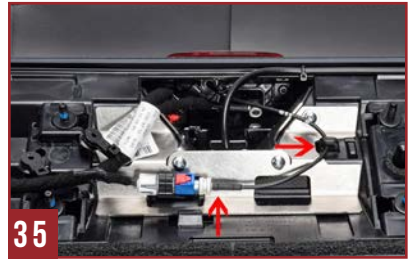
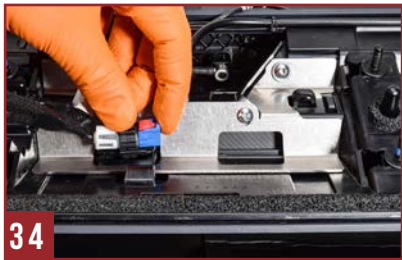


FIG. 36 Connectors and wire routing should be as shown.

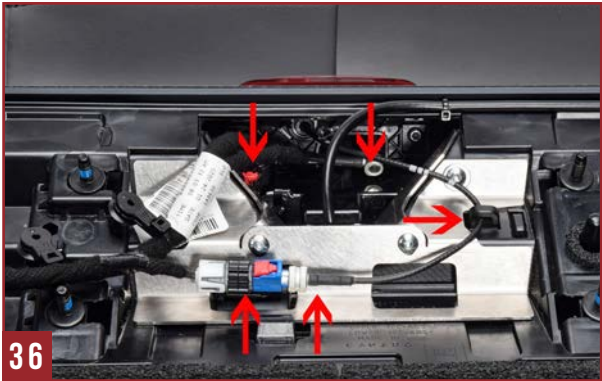


FIG. 37 Reinstall the 2 OE push in zip ties closest to the center into the spoiler to secure the wire harness.



FIG. 38-39 Push the cable grommet into the sealing grommet position.



FIG. 40-41 Lift and flip the spoiler into position to reinstall and reattach the final OE push in zip tie securing the wire harness to the spoiler.



FIG.42-43 Loop antenna wire as shown to prevent kinking or pinching.



Reinstall spoiler onto cab ensuring that no wires are pinched
Ensure the antenna wire is not interfering with the cab or rear glass.



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