

WHELEN[®]

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Installation Guide: Lightbar Mounting Permanent & Strap Mount Styles

Safety First

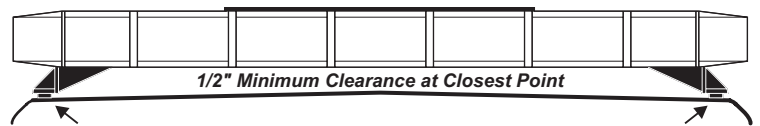
This document provides all the necessary information to allow your Whelen product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

- Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.
- If mounting this product requires drilling holes, the installer **MUST** be sure that no vehicle components or other vital parts could be damaged by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr any holes and remove any metal shards or remnants. Install grommets into all wire passage holes.
- If this manual states that this product may be mounted with suction cups, magnets, tape or Velcro[®], clean the mounting surface with a 50/50 mix of isopropyl alcohol and water and dry thoroughly.
- Do not install this product or route any wires in the deployment area of your air bag. Equipment mounted or located in the air bag deployment area will damage or reduce the effectiveness of the air bag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owner's manual for the air bag deployment area. The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle.
- For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made. The recommended procedure requires the product ground wire to be connected directly to the **NEGATIVE (-)** battery post.
- If this product uses a remote device to activate or control this product, make sure that this control is located in an area that allows both the vehicle and the control to be operated safely in any driving condition.
- Do not attempt to activate or control this device in a hazardous driving situation.
- This product contains either strobe light(s), halogen light(s), high-intensity LEDs or a combination of these lights. Do not stare directly into these lights. Momentary blindness and/or eye damage could result.
- Use only soap and water to clean the outer lens. Use of other chemicals could result in premature lens cracking (crazing) and discoloration. Lenses in this condition have significantly reduced effectiveness and should be replaced immediately. Inspect and operate this product regularly to confirm its proper operation and mounting condition. Do not use a pressure washer to clean this product.
- It is recommended that these instructions be stored in a safe place and referred to when performing maintenance and/or reinstallation of this product.
- **FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!**

For warranty information regarding this product, visit www.whelen.com/warranty

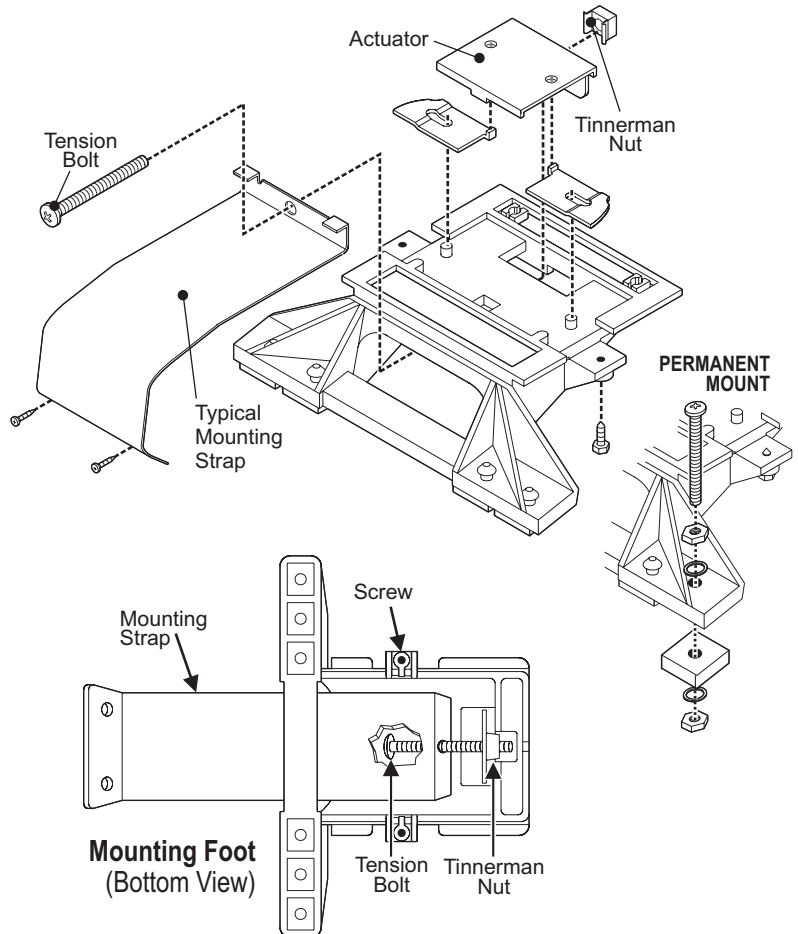
Strap Mounting:

1. Position the lightbar in the desired location. One often selected location is directly above the B-pillars. This area is the strongest part of the roof. Refer to your lightbar manual for cable exit location, to be sure that the lightbar is facing the proper direction.
2. Adjust the two mounting feet outwards so that they are as close to the edge of the roof as possible. Make sure that both mounting feet are in full contact with the roof and not hanging off the edge. Be sure that there is no less than 1/2" clearance between the roof and the lightbar at their closest point. To adjust the mounting feet, loosen the two, 3/8" bolts that secure the feet to the extrusion. When the foot has been placed in its desired location, re-tighten these bolts. Repeat this procedure for the opposite foot.
3. Open both of the drivers side doors. In the area directly below the mounting foot, carefully pull the drivers side weatherstrip away from the vehicle. Remove enough so that the area where the mounting strap will be secured to the vehicle is exposed. Repeat procedure for passenger side.
4. Insert the mounting strap through the mounting foot. Be sure that the strap fits flush against the gutter area where it will be secured onto the vehicle. Insert the tension bolt through the mounting strap and into the tinnerman nut on the actuator plate. Tighten slightly with a long shafted, Phillips screwdriver. Repeat procedure for passenger side.
5. If your mounting strap has mounting holes in the gutter end of the strap, use these holes as a template to drill two, appropriately sized pilot holes through the strap and into the vehicle. Repeat for passenger side of the vehicle.
6. Insert the supplied mounting screws into these holes and tighten firmly. Repeat for passenger side of the vehicle.
7. Now firmly tighten the tension bolts to secure the lightbar to the vehicle.



NOTE: Unless otherwise specified, the lightbar mounting feet must be sitting as close to the edge of the roof as possible. Mounting feet must also be in full contact with the roof and not be hanging off the edge.

IMPORTANT: For strap mounted bars, be sure you have the right sized lightbar for your vehicle. The lightbar should be approximately the same width as the vehicle roof. If the lightbar is too large or small it will not mount properly to the vehicle and may shift or come loose during driving.



Permanent Mounting:

1. Once you determine the mounting location for your lightbar, remove either the two outer or inner rubber mounting pads.
2. Carefully remove the mounting pad's guide dart so that the hole through the center of the pad is exposed.
3. After drilling the mounting holes, position the mounting pad between the mounting foot and the mounting surface as shown.
4. Insert the mounting bolt through the mounting foot, mounting pad and mounting surface.
5. Place mounting washer on mounting bolt and tighten mounting nut with wrench. Repeat for remaining bolts.

