

WHELEN[®]

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Installation Guide: Edge[®] 9M Lightbar Kit Alley Lights

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.

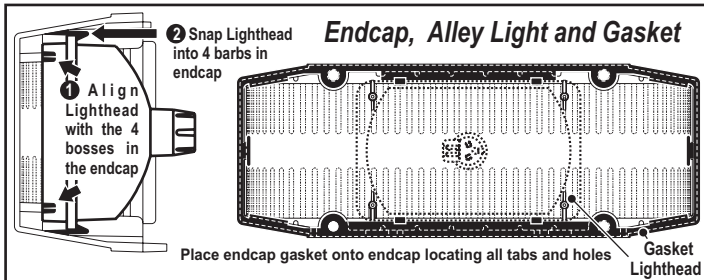
- Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.
- If mounting this product requires drilling holes, the installer **MUST** be sure that no vehicle components or other vital parts could be damaged by the drilling 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

Alley Lights: Installation

WARNING! The strobe light power supply is a high voltage device. Do not remove the strobe tubes or dismantle the strobe lighthoods in the system while the unit is in operation. Wait 10 minutes after turning off power before starting work on the system.

1. Remove the endcaps by first removing the 4 endcap screws and then pulling the endcap off.
2. Install the alley lights onto the endcaps by aligning the reflector of the alley light with the 4 bosses in the endcap, then



press the reflector in place until the 4 barbs in the endcap snap into place and engage the reflector.

3. Next remove any lenses filler panels and/or lighthoods necessary, so that you may gain access to the power distribution board which is located on the front passenger side of the inner wall of the lightbar base.
4. Find the alley light internal harness included with your kit. Plug the 4 position amp plug end of the harness into the power distribution board as shown, then run the other two ends of the harness out to the ends of the lightbar, so that they are ready to plug into the alley lights. Be sure that you have the amp plugs leading to the correct lighthoods so that they will function properly.
5. Reinstall the lighthoods and lenses you had to remove. To install them in proper order, refer to the switch operations sheet that comes with the lightbar.
6. Plug in the alley lights and replace the endcaps. Installation is now complete and you may test the lightbar.

Removing the Endcap and Lenses

Remove the 4 screws (A) that hold the endcap (B) on and pull the endcap and gasket (C) off. Slide lenses (D) out of the lightbar, to gain access to the extrusion. When reinstalling the lenses and spacers, install the cord seal (NFPA / See below). When reinstalling the endcap, place the endcap gasket into it's position on the endcap and line up all the tabs and holes. Spacers (not shown) mount the same as lenses.

Seal Cord Installation / NFPA MODELS ONLY:

- 1 - Cut the seal cord approx. 1-1/2" longer than the extrusion on each side.
- 2 - Rub silicone over the cord seal leaving 3 to 4 inches on one end dry.
- 3 - Beginning with a corner lens, start the lens into the bottom lens track. Place the cord seal onto the groove in the top of the lens. Leave 1 to 2 inches free.
- 4 - Hold onto the left end of the seal hanging out and slide the corner lens into position.
- 5 - From the opposite end of the lightbar, pull the seal cord tight and install the remaining lenses and divider.

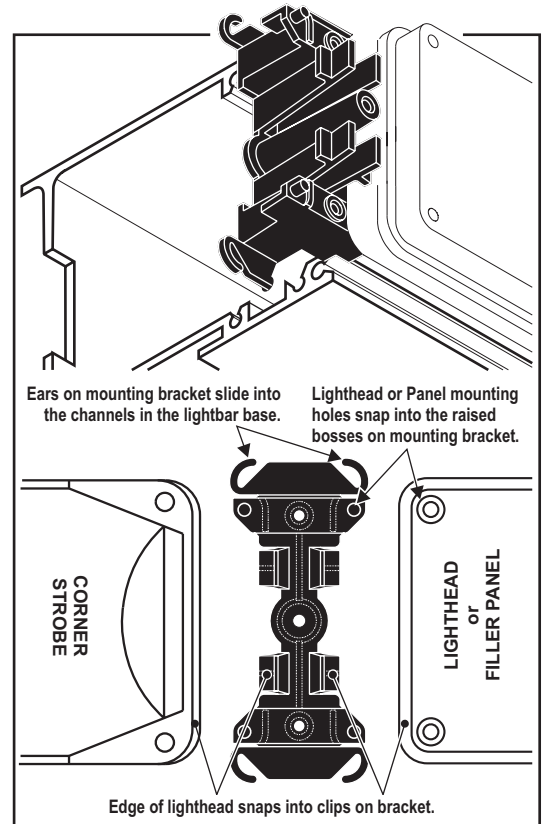
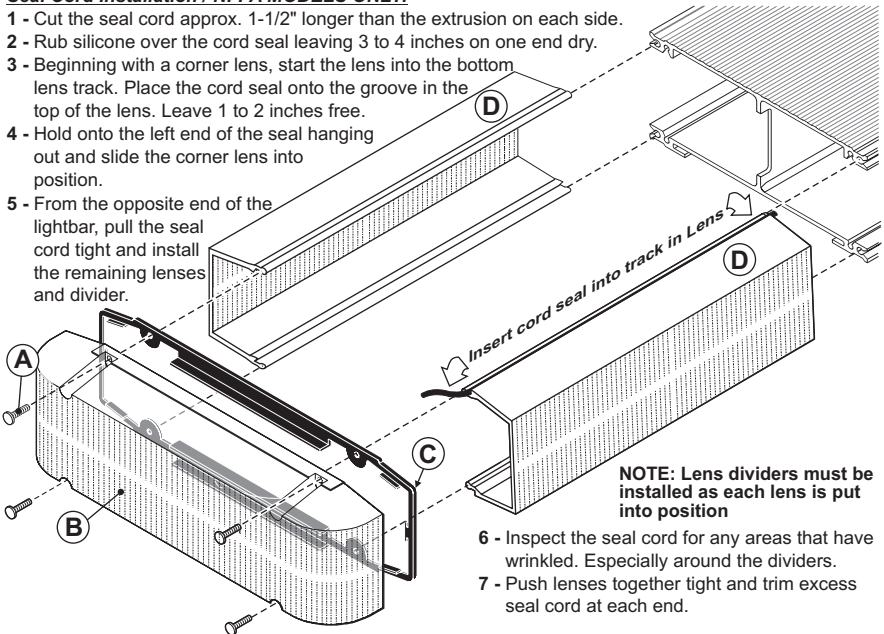
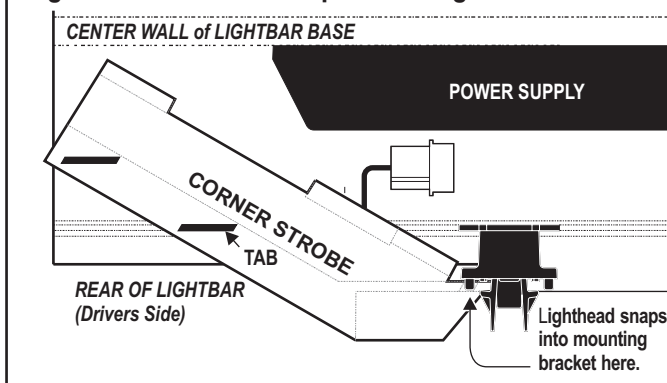
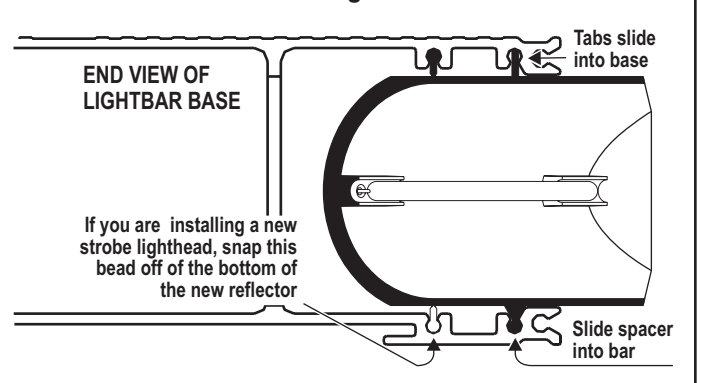


Fig. 1 Corner Strobe / Top view of lightbar base



Corner Strobe / End view of lightbar base



Option Kit MKALY: 2 Halogen Alley Lights

NOTE: The more options you add, the higher the fusing on the power harness should be. When you add any option to your lightbar, you should consult the "power cable fusing chart" in the original 9M lightbar manual.

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