**Warnings to Installers**

Whelen’s emergency vehicle warning devices must be properly mounted and wired in order to be effective and safe. Read and follow all of Whelen’s written instructions when installing or using this device. Emergency vehicles are often operated under high speed stressful conditions which must be accounted for when installing all emergency warning devices. Controls should be placed within convenient reach of the operator so that they can operate the system without taking their eyes off the roadway. Emergency warning devices can require high electrical voltages and/or currents. Properly protect and use caution around live electrical connections. Grounding or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or vehicle damage, including fire. Many electronic devices used in emergency vehicles can create or be affected by electromagnetic interference. Therefore, after installation of any electronic device it is necessary to test all electronic equipment simultaneously to insure that they operate free of interference from other components within the vehicle. Never power emergency warning equipment from the same circuit or share the same grounding circuit with radio communication equipment. All devices should be mounted, grounded, and wired in accordance with the manufacturer’s instructions and securely fastened to vehicle elements of sufficient strength to withstand the forces applied to the device. Driver and/or passenger air bags (SRS) will affect the way equipment should be mounted. This device should be mounted by permanent installation and within the zones specified by the vehicle manufacturer, if any. Any device mounted in the deployment area of an air bag will damage or reduce the effectiveness of the air bag and may damage or dislodge the device. Installer must be sure that this device, its mounting hardware and electrical supply wiring does not interfere with the air bag or the SRS wiring or sensors. Mounting the unit inside the vehicle by a method other than permanent installation is not recommended as unit may become dislodged during swerving; sudden braking or collision. Failure to follow instructions can result in personal injury. Whelen assumes no liability for any loss resulting from the use of this warning device. **PROPER INSTALLATION COMBINED WITH OPERATOR TRAINING IN THE PROPER USE OF EMERGENCY WARNING DEVICES IS ESSENTIAL TO INSURE THE SAFETY OF EMERGENCY PERSONNEL AND THE PUBLIC.**

**Warnings to Users**

Whelen’s emergency vehicle warning devices are intended to alert other operators and pedestrians to the presence and operation of emergency vehicles and personnel. However, the use of this or any other Whelen emergency warning device does not guarantee that you will have the right-of-way or that other drivers and pedestrians will properly heed an emergency warning signal. Never assume you have the right-of-way. It is your responsibility to proceed safely before entering an intersection, driving against traffic, responding at a high rate of speed, or walking on or around traffic lanes. Emergency vehicle warning devices should be tested on a daily basis to ensure that they operate properly. When in actual use, the operator must ensure that both visual and audible warnings are not blocked by vehicle components (i.e.: open trunks or compartment doors), people, vehicles, or other obstructions. It is the user’s responsibility to understand and obey all laws regarding emergency warning devices. The user should be familiar with all applicable laws and regulations prior to the use of any emergency vehicle warning device. Whelen’s audible warning devices are designed to project sound in a forward direction away from the vehicle occupants. However, because sustained periodic exposure to loud sounds can cause hearing loss, all audible warning devices should be installed and operated in accordance with the standards established by the National Fire Protection Association.

**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.

⚠️ **WARNING:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.whelen.com/Regulatory.

- Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures. Whelen Engineering requires the use of waterproof butt splices and/or connectors if that connector could be exposed to moisture.
- Any holes, either created or utilized by this product, should be made both air- and watertight using a sealant recommended by your vehicle manufacturer.
- Failure to use specified installation parts and/or hardware will void the product warranty.
- 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 the holes and remove any metal shards or remnants. Install grommets into all wire passage holes.
- If 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 should understand that any device that should be mounted within the zones specified by the vehicle manufacturer, if any. Failure to follow instructions can result in personal injury. Whelen assumes no liability for any loss resulting from the use of this warning device. **PROPER INSTALLATION COMBINED WITH OPERATOR TRAINING IN THE PROPER USE OF EMERGENCY WARNING DEVICES IS ESSENTIAL TO INSURE THE SAFETY OF EMERGENCY PERSONNEL AND THE PUBLIC.**

**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 lightheads 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 lightheads 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 lightheads so that they will function properly.
5. Reinstall the lightheads 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.
6. Inspect the seal cord for any areas that have wrinkled. Especially around the dividers.
7. Push lenses together tight and trim excess seal cord at each end.
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.

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

NOTE: This diagram shows the 2 flasher boards installed onto the power distribution board. They may not be present in your lightbar.

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.