

# WHELEN<sup>®</sup>

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**Installation Guide:**  
**TA837A / TA837M / TA837L**  
**Traffic Advisor**

## 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 owners 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. Lens 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!**

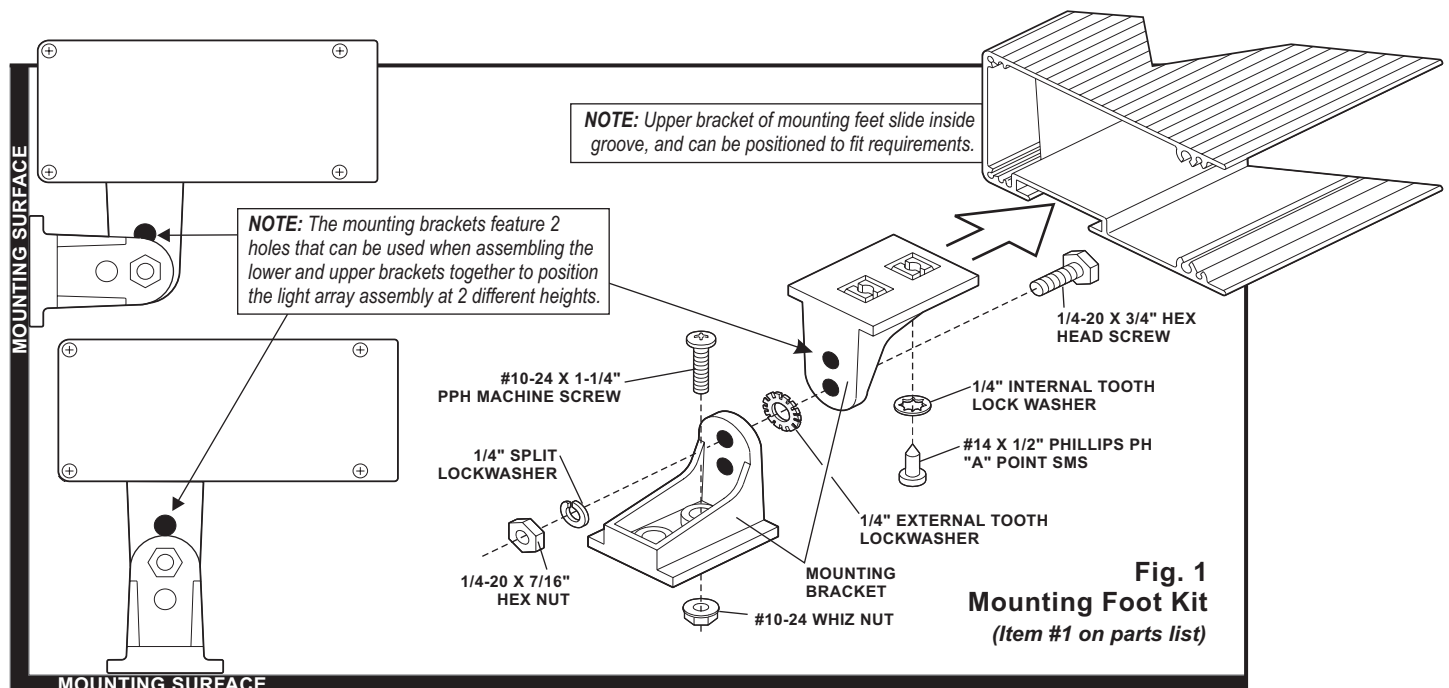
**For warranty information regarding this product, visit [www.whelen.com/warranty](http://www.whelen.com/warranty)**

## Installation: Mounting the Traffic Advisor

**CAUTION:** Do not connect the T/A System to power until the installation is completed. When servicing or trouble shooting always disconnect it from the power source.

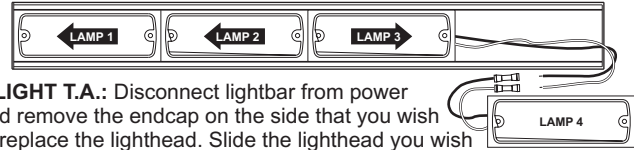
**CAUTION:** When the traffic advisor is mounted to the rear of the vehicle, the cable exit must be on the passenger side. If not, the flash pattern sequence you choose on the control head will be incorrect. For example, a left flashing pattern will flash right.

1. Remove the two lower brackets of the mounting feet from the mounting kit and secure them to the upper brackets with the supplied hardware. (Fig. 1)
2. Slide mounting feet to their desired position inside the groove in the extrusion and secure with supplied hardware.
3. Loosen the hex nuts holding the upper and lower brackets together and place the T/A in the desired position on the proposed mounting surface. Adjust the lower brackets of the mounting feet to rest firmly on the mounting surface and trace the outline of these brackets onto that surface. If the T/A power cable is to pass through the mounting surface, be sure to mark the area for this passage hole.
4. Remove the T/A from the mounting surface and separate the lower brackets of the mounting feet from the upper brackets. Align the lower brackets with the outlines traced in the previous step and trace the mounting hole locations onto the mounting surface. **Make sure that the lower bracket is facing in the same direction as it was facing, when it was outlined on the mounting surface in step 3.**
5. Examine the back side of the mounting surface to insure that no damage will occur when drilling the mounting holes. Drill the mounting holes with a 7/32" drill. If a wire passage hole has been marked, drill the hole using a drill bit sized for the cable and a rubber grommet (customer supplied).
6. Secure the lower brackets to the mounting surface.
7. Lower the T/A assembly onto the two lower brackets and secure both brackets together with the supplied mounting hardware. Before tightening the upper and lower brackets together, adjust the T/A to an angle best suited to its mounting location.
8. Slide the cable through the wire passage hole and route the cable to the control head mounting location. Refer to your control head manual for wiring.

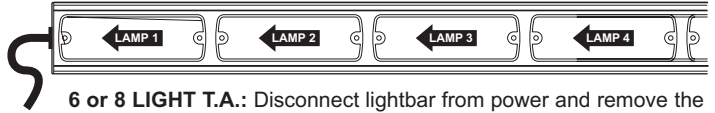


## Replacing or Servicing a Lighthouse:

**NOTE:** Replacing a Lens or Halogen bulb does not require removing the lighthouse.



**4 LIGHT T.A.:** Disconnect lightbar from power and remove the endcap on the side that you wish to replace the lighthouse. Slide the lighthouse you wish to replace, out of the base. Cut the wires off of the old lighthouse (removing the butt splice) then, using a new butt splice, install the new lighthouse then slide the lighthouse(s) back into the base.



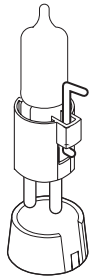
**6 or 8 LIGHT T.A.:** Disconnect lightbar from power and remove the end cap on the side of the bar that the cable exits on. Slide the lighthouses out of the bar until you reach the one you are replacing. Cut the wires off of the old lighthouse (removing the old butt splice) then, butt splice the new lighthouse and slide the lighthouse(s) back into the base.

## Replacing a Halogen Snap-In Bulb:

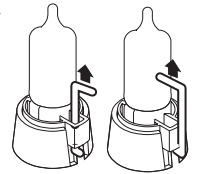
**WARNING:** Replacing any bulb requires the use of safety glasses to prevent injury. Do not handle the bulb with bare hands.

**WARNING:** Replace lamps one at a time. If more than one lamp is removed from the unit without being replaced, the cable harness will shift and the butt splices that connect the lighthouses will be inaccessible.

1. Be sure the power to the lamp is off. Locate the removal tool included with your new bulb and use the small end of the tool to lift the base of the bulb assembly away from the socket.
2. Continue to lift until the bulb is free. Use either of these illustrated methods, depending upon application. Use a pliers to hold the tool and aid bulb removal.
3. Insert the alignment tab of the new bulb into the bulb holder and press firmly into the socket to lock the bulb into place.



**A. USE TOOL TO PULL LAMP FROM OF BASE**



**B. INSERT TOOL INSIDE OR OUTSIDE OF LAMP BASE**

