

WHELEN[®]

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Installation Guide: M6 Series Surface Mount Housing 2-, 3- & 4-Light

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

Mounting...

Position the housing onto the mounting surface in the proposed mounting location. The mounting surface used must be perfectly flat. This will determine the exact mounting location and allow the installer to determine the most appropriate mounting style for their specific installation.

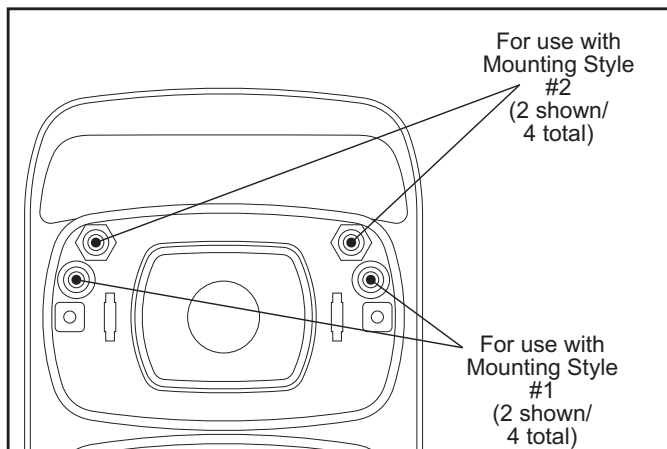
Note: As mounting this product will require drilling, it is absolutely necessary to make sure that no other vehicle components could be damaged by this process. Check both sides of the mounting surface before starting. If damage is likely, select a different location.

The housing may be secured to the vehicle in one of two styles:

Mounting Style #1 is best suited for applications where there is limited access to the backside of the mounting surface. The style requires four, 1/4" x 1 1/4" phillips pan head sheet metal screws (included)

1. Using the housing in its mounting location as a guide, scribe the mounting surface behind the 4 areas shown using an awl or suitable tool.
2. Remove the housing. Using a drill bit sized for 1/4" sheet metal screw and the thickness of the mounting surface, drill four mounting holes in the areas marked in the previous step.
3. Drill appropriately sized wire passage hole into the mounting surface. A good location for this hole is between the top lighthouse and the top of the housing. De-burr this hole and install an appropriately sized grommet.
4. Using appropriately sized wire, extend the wires for each lighthouse through the housing, through the wire passage hole and to their ultimate destinations for power, ground, switch control, etc.
5. Position the housing/gasket assembly onto the mounting surface. Confirm that the lighthouse wires are not being pinched and that the mounting gasket is properly seated onto the housing and in full and proper contact with the mounting surface. Secure the housing to the mounting surface using the hardware previously indicated.
6. Complete the wire connections using the information provided in the lighthouse manual.

IMPORTANT! Before returning the vehicle to active service, visually confirm the proper operation of this product, as well as all vehicle components/equipment.



Mounting Style #2 is best suited for applications where there is access to the backside of the mounting surface. The style requires 4, 1/4-20 Hex Head bolts, split-lock washers and nuts (customer provided). Bolts should be of a length appropriate for your specific installation.

1. Using the housing in its mounting location as a guide, scribe the mounting surface behind the 4 areas shown using an awl or suitable tool.
2. Remove the housing. Using a drill bit sized for 1/4-20 bolts (customer supplied), drill four mounting holes in the areas marked in the previous step.
3. Drill appropriately sized wire passage hole into the mounting surface. A good location for this hole is between the top lighthouse and the top of the housing. De-burr this hole and install an appropriately sized grommet.
4. Using appropriately sized wire, extend the wires for each lighthouse through the housing, through the wire passage hole and to their ultimate destinations for power, ground, switch control, etc.
5. Position the housing/gasket assembly onto the mounting surface. Confirm that the lighthouse wires are not being pinched and that the mounting gasket is properly seated onto the housing and in full and proper contact with the mounting surface. Secure the housing to the mounting surface using the hardware previously indicated.
6. Complete the wire connections using the information provided in the lighthouse manual.

IMPORTANT! Before returning the vehicle to active service, visually confirm the proper operation of this product, as well as all vehicle components/equipment.

