

**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.
- 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 any holes and remove any metal shards or remnants. Install grommets into all wire passage holes.
- 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.
- **WARNING!** All customer supplied wires that connect to the positive (+) terminal of the battery must be sized to supply at least 125% of the maximum operating current and **FUSED** "at the battery" to carry that load. **DO NOT USE CIRCUIT BREAKERS WITH THIS PRODUCT!**
- **FAILURE TO FOLLOW THESE PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!**

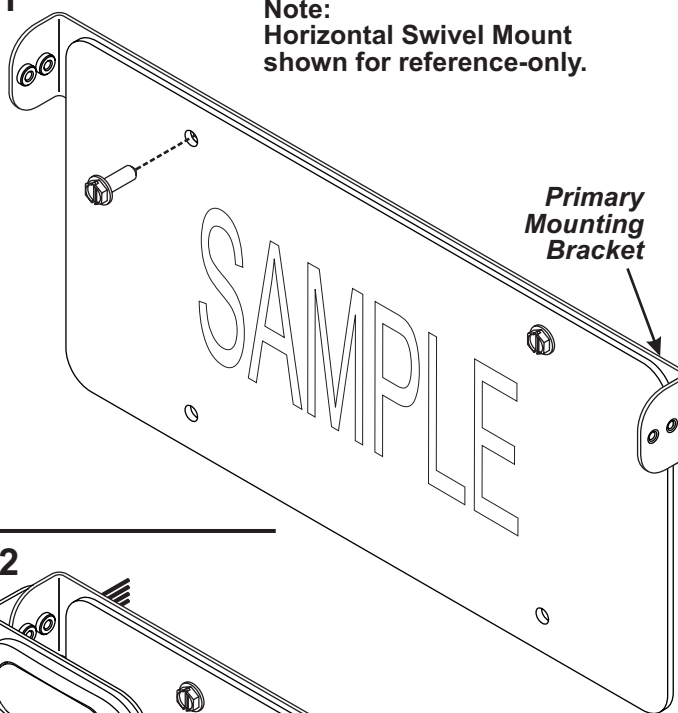
**IMPORTANT!** It is the responsibility of the installation technician to make sure that the installation and operation of this product will not interfere with or compromise the operation or efficiency of any vehicle equipment!

**Mounting**

1. Remove the hardware securing the license plate to the vehicle.
2. Position the primary mounting bracket onto the license plate mounting location so that the brackets mounting holes are aligned with the upper license plate mounting holes.
3. Place the license plate onto the primary mounting bracket so that the upper mounting holes in the license plate are aligned with both the bracket mounting holes and the upper license plate mounting holes.
4. Secure the license plate and the primary mounting bracket to the vehicle using the original hardware.

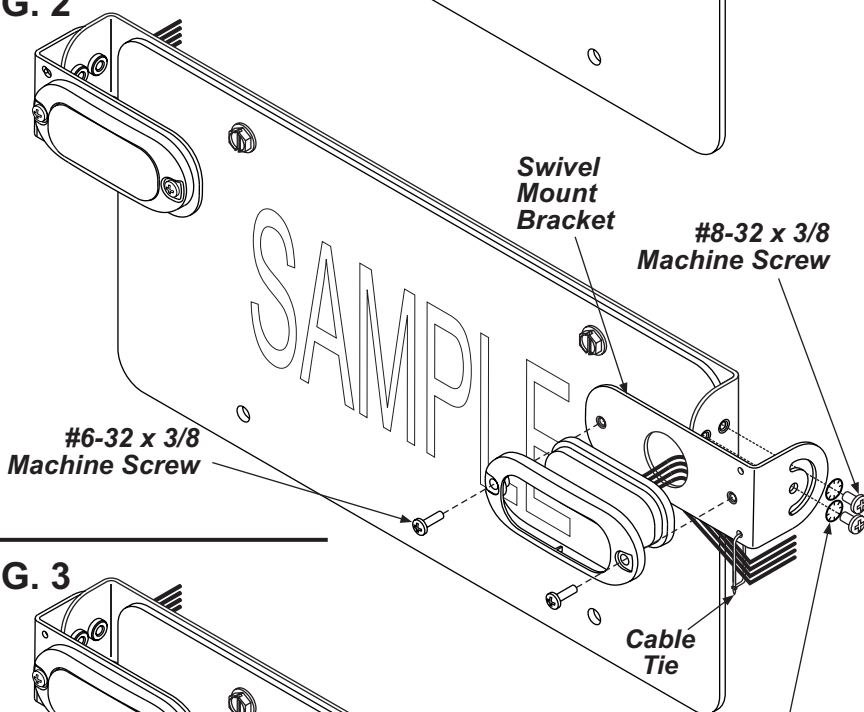
**FIG. 1**

**Note:**  
 Horizontal Swivel Mount shown for reference-only.



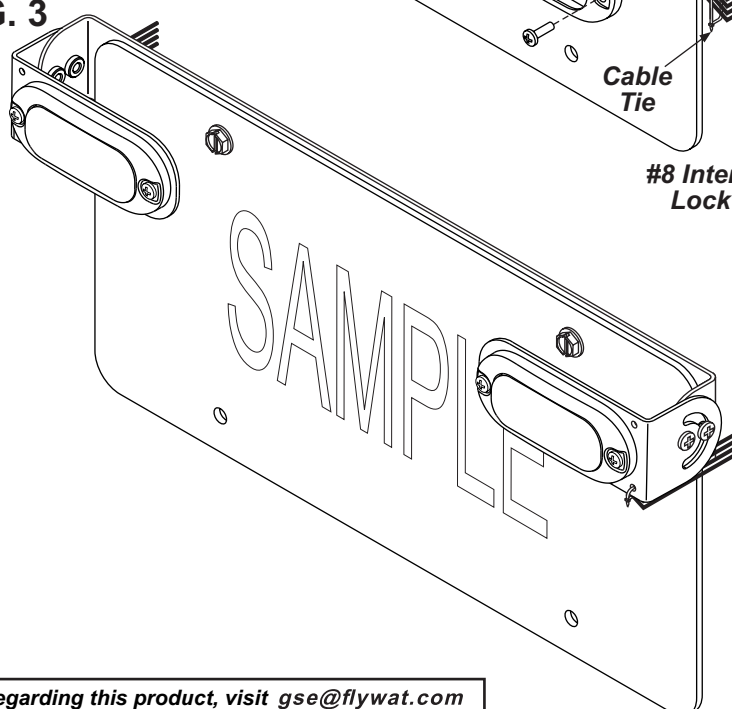
5. Locate the swivel mount brackets included with this kit. Fig. 2 shows their proper orientation.
6. Route the Lighthead wires through the wire passage hole and secure the lighthead to its mounting bracket using the hardware provided.
7. Using a cable tie, secure the lighthead wires to the backside of the swivel bracket as shown. When properly dressed, the wires will lay flat against the bracket, but do not pull the wires too tightly.
8. Route the wires neatly so that they are protected and not exposed.

**FIG. 2**



9. Mount the swivel bracket onto the primary mounting bracket as shown in Fig. 3.
10. Adjust the swivel bracket until the desired angle has been achieved, then tighten the two screws to lock the bracket into position.

**FIG. 3**



Repeat steps 5 thru 10 to install the remaining swivel mount bracket.

Refer to the installation instructions included with your Vector lighthead for wiring and operational information.

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