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**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 electronic wiring, systems and procedures.
- Whelen Engineering requires the use of waterproof butt splices and/or connectors if that connection could be exposed to moisture.
- Failure to use specified installation parts and/or hardware will void the product warranty!
- The installer **MUST** be sure that no 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.
- 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.
- This product contains high-intensity LEDs. 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!

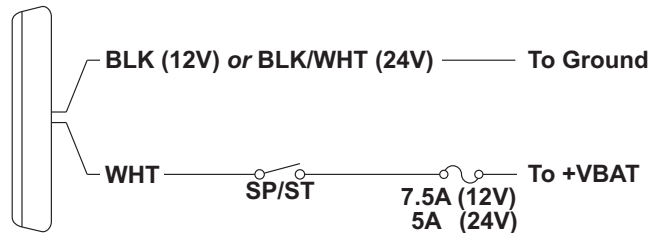
**Mounting:**

1. Using the mounting diagram shown, mark the locations for the 4 mounting holes and the wire passage hole. Drill the mounting holes using a .250" bit. Using a hole saw, create a 1" wire passage hole in the area marked. Be sure to de-burr all 5 holes.
2. Install the seal (#1) onto the mounting frame (#2). Make sure that each of the seal's alignment pins are fully inserted through the appropriate holes in the frame.
3. Position the frame/seal assembly against the mounting surface so that the mounting tabs are inserted through the mounting holes. **Note: Make sure the word 'TOP' is properly oriented (see artwork below).** Firmly 'tap' the mounting frame at each of the four mounting hole locations to fully seat the mounting tabs. A 1/2" dia. dowel rod (or similar tool) and a small hammer are well-suited for this.
4. Using four, #8 x 1 Phillips sheet metal screws (#3 included), secure the assembly to the mounting surface.
5. Snap the flange (#5) onto the lighthead (#4) as shown. Route wires from the lighthead through the wire passage hole and through the mounting surface. The lighthead and flange can now be snapped onto the mounting frame and secured using the included hardware (#6).

**Wiring:**

- BLK (12V) or BLK/WHT (24V)** - Extend to Chassis Ground
- WHT** - Extend to +VDC via SP/ST switch and fuse (see Diagram below)

**Wiring Diagram**



**IMPORTANT WARNING!**

**CAUTION! DO NOT LOOK DIRECTLY AT THESE LEDs WHILE THEY ARE ON. MOMENTARY BLINDNESS AND/OR EYE DAMAGE COULD RESULT!**

**Waterproof butt splices and/or connectors are required if that connection could be exposed to moisture. Any unused wires must be sealed (waterproofed) to prevent moisture infiltration.**

