

WHELEN[®]

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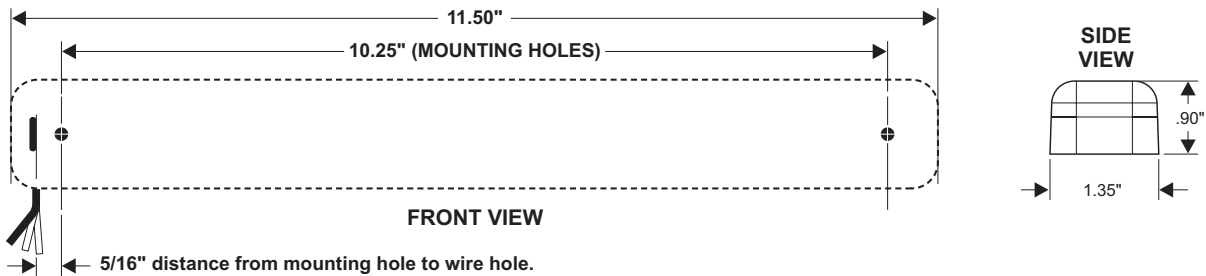
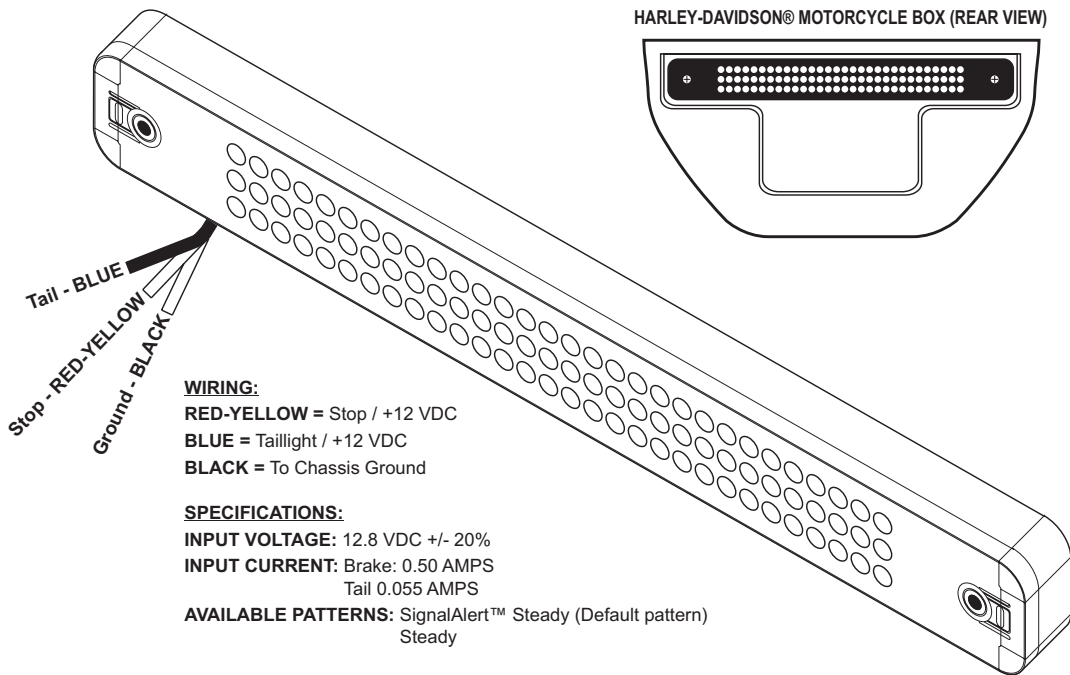
Installation Guide: Auxiliary LED Brake Light for Harley-Davidson[®]

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:

If you are mounting the lighthead on a Harley-Davidson® motorcycle box, use the existing wire hole. Drill your mounting holes so the wire hole (located very close to the mounting hole in the lighthead) will line up with the wires, but not interfere with the mounting holes. Since the lighthead can mount to any vehicle, this manual will cover mounting to a generic location.

1. Mark the location of the 2 mounting holes onto the mounting surface using the dimensions shown above, or remove the lens and use it as a template. Always check behind the mounting surface to be sure you will not interfere with any other vehicle components.
2. Drill the 2 mounting holes using a drill sized for a #6 sheet metal screw, then drill the 9/32" wire access hole 5/16" away from the mounting hole as shown.
3. Feed the wires through the wire hole then secure the brake light to the mounting surface with the supplied mounting hardware.
4. Wire the lighthead into your existing brake light wiring, matching the lighthead wire colors to the vehicle wire colors (see "Wiring").

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!

Scan-Lock™:

FLASH PATTERN SELECTION: Remove the lens, locate the Pattern Activation Pins (see illustration) then activate the lighthead. The available patterns are shown above.

TO CYCLE BETWEEN PATTERNS: Use a penny (or any electrical conducting item) to contact both Pattern Activation Pins for less than 1 second and release. Repeat to advance to the next pattern.

TO CHOOSE A PATTERN: While cycling through, allow a pattern to run for more than 5 seconds. This will become the default pattern. After the desired pattern has been selected, turn off LED and remount the lens.

TO RESET THE LIGHthead TO THE DEFAULT PATTERN: turn the lighthead off. While holding a penny against the Pattern Activation Pins, turn the lighthead back on.

