

WHELEN[®]

ENGINEERING COMPANY INC.

51 Winthrop Road
Chester, Connecticut 06412-0684
Phone: (860) 526-9504
Fax: (860) 526-4078
Internet: www.whelen.com
Sales e-mail: autosale@whelen.com
Canadian Sales e-mail: canadiansales@whelen.com
Customer Service e-mail: custserv@whelen.com

Installation Guide: 835 Series Brake-Tail-Turn Lighthouse

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

Installation:

NOTE: There are two ways to mount the 835 lighthouse, each offering it's own benefits:

- Secured to the vehicle using the supplied sheet metal screws.
- Secured to the vehicle using an industry-strength, double-sided adhesive tape, like Scotch™ brand VHB™ model 4956 foam tape.

This manual will outline the first procedure:

Caution: Permanent mounting of 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 mounting location.

1. Remove the lenses and position the reflector assembly on it's mounting location. Make sure the lighthouse will not interfere with any existing equipment.
2. With the reflector assembly positioned on the mounting location, temporarily secure it to the surface with masking tape. Be sure the reflector assembly is FLAT against the surface.

3. Mark the 4 mounting holes and the 1 wire access holes using the reflector as a template.
4. Remove the reflector and drill the mounting holes with a #16 drill bit.
5. It is a good idea to deburr the wire holes and install a rubber grommet (customer supplied) to protect the wires.

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!**

6. Wire the light using the wiring diagram shown.
7. Mount lenses onto reflector and secure with supplied lens screws. **NOTE:** When mounting the lenses make sure the drain hole is on the bottom.

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

MODEL 830 SERIES FLUSH MOUNT LIGHTHEAD / DUAL FILAMENT

QTY	ITEM	PART NUMBER	DESCRIPTION
*		01-0662393	MODEL 830 SERIES ASS'Y
1	1	14-082216-080	8-32 X 1/2 PPHMS SS
A/R	2	68-1182469-10	LENS, AMBER
A/R	3	68-1182469-50	LENS, RED
2	4	15-065419-070	#6x7/16" PPH PLASTI-LOK
A/R	5	33-0042149-00	LAMPHOLDER ASSY DUAL FILAMENT
A/R	6	34-0062389-00	LAMP ASSY 12.8V-14V, 27/12 WATT
2	7	15-101416-160	#10 x 1" PPHSMS
1	8	68-5982541-02	REFLECTOR, DIRECTIONAL MET/W/SEAL
1	9	38-0262283-00	GASKET, REFLECTOR
1	10	10-0522103-02	LABEL, MODEL
1	11	10-0320776-00	LABEL, MADE IN THE U.S.A. FLAG
A/R	12	66-0422788-03	TAPE, VHB 3"
A/R	13	66-0422788-04	TAPE, VHB 4"
A/R	14	11-783522-002	COVER, FLANGE
A/R	15	33-0042822-00	LAMPHOLDER ASSY, BAYONET DUAL FILAMENT
A/R	16	34-0021562-00	LAMP, STOP/TAIL/TURN #1157

PART NUMBER KEY:

BASIC P/N LAMP COLOR FLANGE
 01-0662393

LAMP: - = SNAP-IN
 1 = BAYONET

COLOR: A = AMBER
 R = RED

FLANGE: 0 = without CHROME COVER
 1 = with CHROME COVER

SNAP-IN: AU = AMBER LENS
 OU = NO COVER

SPECIFICATIONS

INPUT VOLTAGE: 13.5VDC +/- 20%
INPUT CURRENT: @12.8VDC - 3.9 AMPS

