

WHELEN[®]

ENGINEERING COMPANY INC.

Route 145, Winthrop Road,
Chester, Connecticut 06412
Phone: (860) 526-9504
Fax: (860) 526-4078
Internet: www.whelen.com
Sales e-mail: autosale@whelen.com
Canadian Sales e-mail: autocan@whelen.com
Customer Service e-mail: custserv@whelen.com

Installation Guide:
Strobe Beacon
Model(s): SS361
SS363

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 the 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 owners 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 (this does not include products that use cigar power cords).
- If this product uses a remote device for activation or control, make sure that this device is located in an area that allows both the vehicle and the device 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

Permanent-style Mounting (SS361/SS363)...

The cast aluminum base of the SS361/SS363 is not pre-drilled for its mounting screws. These holes must be drilled by the installer. For convenience, three dimples are located inside the cast aluminum base and should be used as starter locations to drill the mounting holes.

Disassembly Procedure:

NOTE: The brush guard on the S363 must be removed as the first step in the disassembly procedure (Fig 1).

1. Remove the clamp ring screw and the clamp ring (Fig. 2).
2. Carefully remove the optic dome, the inner optic lens and upper reflector.
3. Drill 0.218 (7/32 inch) diameter holes into the three dimples inside base, or any other location to fit a particular mounting need. Remove shavings.

IMPORTANT NOTE: Make sure to keep drain hole in the base facing in the opposite direction of the direction of travel of the vehicle.

4. Place the base in position on the mounting surface. Use base as a template to mark the location of the three mounting holes to be drilled, and the location of the center hole to be used as passage for the customer supplied connecting power cable.
5. At the pre-marked locations on the mounting surface, drill the mounting holes. At the marked location of the center hole, drill a 1/2 inch diameter hole to accommodate the connecting power cable. De-burr the power cable hole to prevent damage to the cable. A rubber grommet should be installed to prevent damaging the wires.
6. Peel away paper backing from enclosed black neoprene base gasket, and affix to the bottom of base surface lining up the three holes in it with the three drilled holes in the base. Position the base on the mounting surface, lining up the drilled holes in the base with the holes located in the mounting surface. Use the three enclosed #10 x 3/4" phillips pan head sheet metal screws to secure the base to the mounting surface.
7. Reassemble the strobe beacon.

Pipe-style Mounting (SS361/SS363)...

The cast aluminum base is a combination base which can be used for permanent, or 1 inch (NPT) pipe mounting.

1. Feed customer supplied power cable through the 1 inch pipe and connect the cable to the wires of the strobe light assembly.
2. Screw the base onto the threads of the 1 inch pipe and reassemble the strobe beacon.

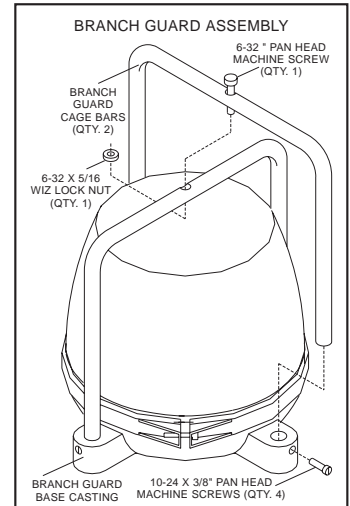
SS361/SS363 Assembly Procedure:

1. Feed the wires out through the wire slot in the strobe power supply assembly and attach the power supply assembly to the aluminum base using the 3 power supply screws and lockwashers.

IMPORTANT: Be sure the alignment tab in the aluminum base lines up with the wire slot in the light assembly.

2. Connect the wires and place the strobe bulb assembly on top of the base (be sure to line the wide notch in the strobe bulb assembly up with the wire slot in the strobe power supply assembly).
3. Place the inner optic lens on top of the strobe and the upper reflector on top of the optic lens.
4. Attach the optic dome to the base with the clamp ring and screw. **NOTE:** Be sure to position the clamp ring with the screw facing the rear of the vehicle.

Fig. 1



The outer surfaces of this product may be cleaned with mild soap and water. Use of any other chemicals may void product warranty. Do not use a pressure washer.

Fig. 2

