

WHELEN[®]

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Installation Guide: Cigar Cord Conversion for the Guardian™ Lightbar Kit# G1MM90 & G7MM90

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!**

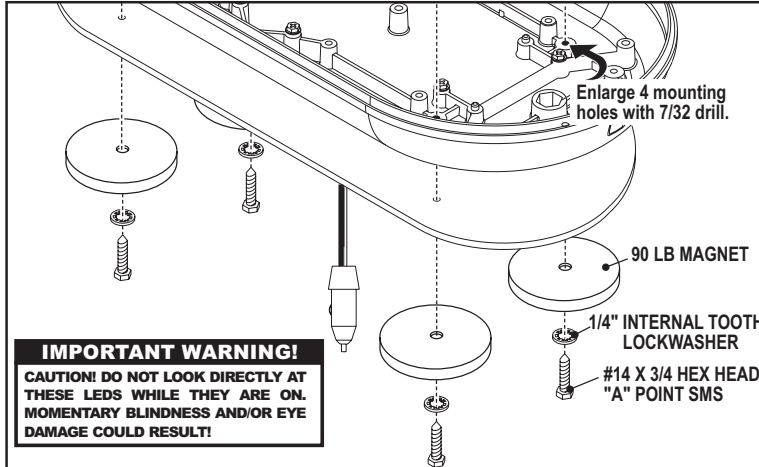
For warranty information regarding this product, visit www.whelen.com/warranty

IMPORTANT! The lightbar should be located a minimum of 16" from any radio antennas!

Magnet Installation:

WARNING: The use of any magnetic or suction cup mounted warning light on the outside of a vehicle, while in motion, is not recommended and is at the sole discretion and risk of the user.

WARNING: The strobe light power supply is a high voltage device. Do not remove strobe tubes or dismantle strobe lightheads in the system while it is in operation. Wait 10 minutes after turning off power before starting work or any trouble shooting.



To install magnets as shown, you will first need to enlarge the mounting screw holes in the base using a 7/32 drill bit.

Cigar plug conversion:

1. Remove the dome to access the inside of the lightbar (see lightbar manual.)
2. Remove the strain relief and only the existing wiring you are replacing. You will replace only the wiring exiting the lightbar, with the cigar plug and wire that comes with the kit.
3. Run the new wire up through the wire exit hole in the lightbar base and plug it into the terminals as shown.
4. The G1, G2, G3, G4, & G5 series will have faston connectors that you will plug into the lightbar's center terminal (Figs. 2 & 3).
5. In the G7 series, you will use the 4-position connector that comes with the kit and wire as shown (Fig. 4). In the G8 series you will connect the wires to the internal wiring harness with supplied butt splices (Fig. 5).
6. All models require you to replace the strain relief to protect the wiring (Fig. 1).

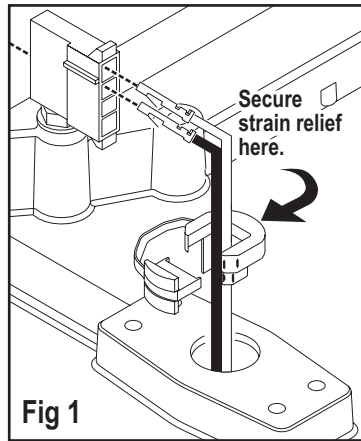


Fig 1

IMPORTANT ELECTRICAL WARNINGS!

Guardian models equipped with cigar cords are intended for short duration, intermittent operation only! Prolonged operation requires the Guardian to be wired to the vehicle.

DO NOT use a cigar lighter socket as a power source for this or any electrical accessory! Use a 12-volt accessory power port or auxiliary power outlet of sufficient capability. Do not exceed the manufacturers power rating for the selected port/outlet.

DO NOT pull on the power plug wires when removing the plug from the outlet! To remove, firmly grasp the power plug housing and pull.

ANY DEVIATIONS FROM THE ABOVE ELECTRICAL GUIDELINES WILL VOID THE PRODUCT WARRANTY.

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!

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

Fig 2 G1 / G2 / G3 & G4 Series

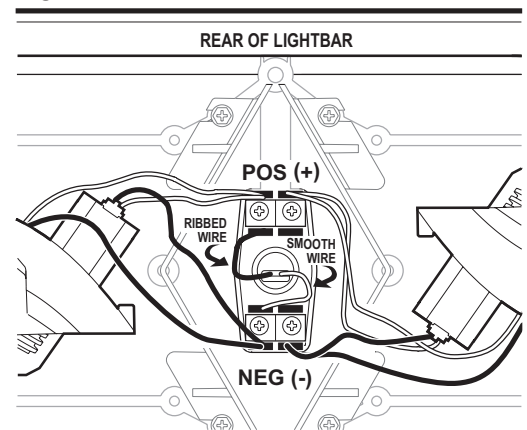


Fig 3 G5 Series

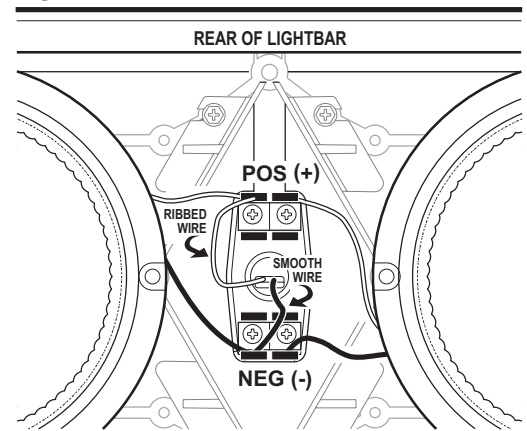


Fig 4 G7 Series

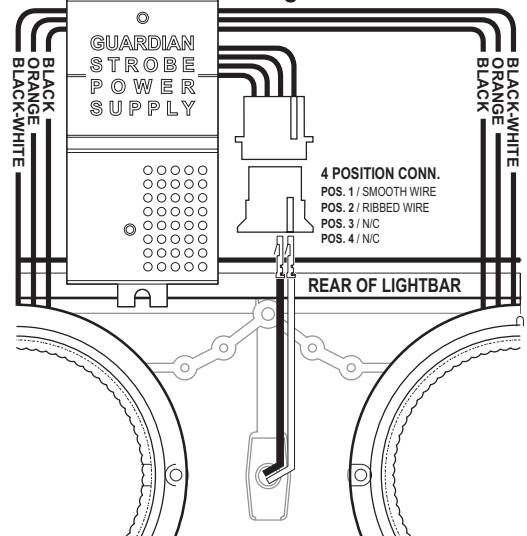


Fig 5 G8 Series

