

WHELEN[®]

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Configuring the SL6 Power Supply flash pattern on the Mini-Edge (with cigar plug)

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 product is mounted with 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.**
- **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!**

Preparing the power supply for flash pattern capability...

1. Disconnect the Mini-Edge lightbar from its power source.

WARNING: DO NOT PROCEED WITH ANY DISASSEMBLY UNTIL THE LIGHTBAR HAS BEEN DISCONNECTED FROM ITS POWER SOURCE FOR A PERIOD OF AT LEAST 10 (TEN) MINUTES!

2. Remove all of the lenses and endcaps from the lightbar extrusion.
3. Remove the two phillips head screws that secure the power supply from the extrusion. Carefully pull the power supply away from the extrusion, but do NOT disconnect any of the power supply connections.
4. Locate the unused 4 position/3 wire AMP connector attached to the power supply. This connector will be using 3 (three) wires in the following pin configuration:

- Position 1** BLUE wire
- Position 2** Empty (not used)
- Position 3** BROWN wire
- Position 4** WHITE wire

5. Locate the 4 position/2 wire Flash Pattern Control Harness provided (See Fig.1). This connector will be using 2 (two) wires in the following pin configuration:

- Position 1** Empty (not used)
- Position 2** Empty (not used)
- Position 3** BROWN wire
- Position 4** WHITE wire

6. Plug the Flash Pattern Control Harness into the AMP connector identified in step 4.
7. Disconnect the power supply from the Power Input Cable (cigar cord).
8. Locate the Power Supply Input Adaptor Harness provided (See Fig.2).

9. Plug one end of the Power Supply Input Adaptor Harness into the power supply input connection, and plug the other end into the Power Input Cable (cigar cord) as shown in Fig.2..

The power supply is now ready for flash pattern configuration.

Configuring the power supply for flash patterns...

1. Locate the loose wires on the Flash Pattern Control Harness (BROWN & WHITE). Inserting these wires into the butt splice connector of the Power Supply Input Adaptor Harness (either as a pair or individually) enables one of four specific flash patterns:

For this Flash Pattern

- Comet Flash
- Double Flash
- Random
- Sequential

Insert these Wire(s)

- No Wires (default Pattern)
- BROWN Wire
- WHITE Wire
- BROWN & WHITE Wire

NOTE: If a wire is not used to configure the desired flash pattern, be sure to trim and tape the exposed (non-insulated) end of that wire.

2. After the desired flash pattern has been determined, insert the appropriate wires into the butt splice connector. Using a suitable tool, crimp the butt splice connector tightly to secure the wires into place. A gentle tug on these wires will confirm their tightness.
3. Carefully tuck the power supply wires back into the extrusion and return the power supply to its original mounting location. Using the original screws, remount the power supply and return the lens' and endcaps to their proper location. Secure the endcaps in place with their original mounting screws.
4. Connect the lightbar to its power source and confirm proper operation.

