

**INSTRUCTION SHEET  
FOR  
MODEL 521507  
REPLACEMENT FLASHER FOR JETSTROBE LIGHTBARS**

**SAFETY MESSAGE TO INSTALLERS AND USERS**



People's lives depend on your safe installation of our products. It is important to read, understand and follow all instructions shipped with the products. In addition, listed below are some other important safety instructions and precautions you should follow:

- To properly install lighting system, you must have a good understanding of automotive systems, along with proficiency in the installation and use of safety warning equipment.
- DO NOT install equipment or route wiring in the deployment path of an air bag.
- When drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged.
- A light system is a high current device. In order for it to function properly, a separate ground connection must be made. If practical, it should be connected to the negative battery terminal. At a minimum, it may be attached to a solid metal body or chassis part that will provide an effective ground path as long as the light system is used.
- Locate the light system controls so the VEHICLE and CONTROLS can be operated safely under all driving conditions.
- The mounting system should be periodically inspected to ensure that it is securely attached to the vehicle.
- File these instructions in a safe place and refer to them when maintaining and/or reinstalling the product.

Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death to you or others.

**A. GENERAL.**

This kit provides the installer with a replacement for the older FA4 solid state flashers. Its micro-controller provides 8 user-selectable flash patterns.

**B. UNPACKING.**

After unpacking the kit, inspect it for damage the may have occurred in transit. If the unit has been damaged, do not attempt to install or operate it. File a claim immediately with the carrier, stating the extent of the damage. Carefully check all envelopes, shipping labels and tags before removing or destroying them. Ensure that the parts listed in the KIT CONTENTS LIST are included in the package.

**C. KIT CONTENTS LIST.**

Qty.	Description
1	Flasher Assembly with Terminated Wires
3	Self-Tapping Screws
1	Toothed Lockwasher

**D. INSTALLATION.**

1. Remove the domes and any other parts which obstruct access to the flasher.

2. Remove the old flasher assembly, including the mounting plate. Remove the screw that secures the green ground wire. Leave the terminal block, and the wires attached to the light assemblies, attached until the later steps.

3. Secure the new flasher to the extrusion in the approximate area as the old flasher. Use two of the provided self tapping screws.

4. Attach the new ground wire to the extrusion using the remaining screw and toothed lock washer.

5. Connect the orange and white flasher output wires to the locations on the terminal block (three position) where the outputs from the old flasher had been connected. The colors of the wire should match on both flashers on most installations, other installations may have had differently colored wires for the flasher outputs.

6. Disconnect the old flashers white wire from the bar. No equivalent wire is used on the new flasher.

**NOTE**

The control switch and wiring for the flasher circuit must be rated for 15Amps. The original flasher received its power through the white wire, the new replacement receives its power from the control switch. If the control circuitry is too light it should be upgraded, or a relay added. Due to the many installation possibilities, it is up to the installer to determine that the wiring is satisfactory.

7. Connect the red power wire on the new flasher to the same location as the red wire on the old

flasher. The old flasher should now be free from the bar and can be discarded now.

8. Test for proper operation. A flash pattern may now be selected. The replacement flasher will provide the end user with 8 selectable flash patterns. With the flasher activated, momentarily short the programming pins on the flasher. The patterns will scroll through those available each time the pins are shorted. When the desired pattern is reached, allow the flasher to run for an additional 15 seconds. The active pattern will then be set as the flash pattern.

9. After checking the installation, use cable ties to dress the wire harness neatly and away from moving parts. Re-assemble the bar.