

**INSTRUCTION SHEET FOR
Cuda TriOptic™ SIGNALMASTER™ LIGHT ASSEMBLY
328180F SERIES**

SAFETY MESSAGE TO INSTALLERS AND OPERATORS



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 this light, you must have a good understanding of automotive electrical procedures and 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 airbag.
- When drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged.
- In order for the light 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 to be used.
- Locate the light control so the **VEHICLE** and **CONTROL** can be operated safely under all driving conditions.
- Do not attempt to activate or deactivate light control while driving in a hazardous situation.
- This product contains high intensity LED devices. To prevent eye damage, **DO NOT** stare into the light beam at close range.
- You should frequently inspect the light to ensure that it is operating properly and 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.

I. GENERAL.

This unit is an eight module unit designed for use with Federal Signal SignalMaster controllers. The housing is comprised of an extruded aluminum profile with polycarbonate optic lenses. The metallic housing and end cap material is of an anodized corrosion resistant aluminum.

II. INSTALLATION.



These lights are intended for secondary warning only. They are not intended for use as a primary warning system.

A. Cuda TriOptic SignalMaster Light Assembly.

Install the light assembly as described in the mounting kit instructions, and route the cable near the eventual location of the control unit.

NOTE

The Cuda TriOptic SignalMaster Light Assembly must be oriented correctly to achieve proper directional signaling. The unit should be oriented with the lettering on the warning label and nameplate legible. If this lettering is upside-down, the unit is **NOT** oriented properly.

B. Control Unit.

NOTE

Before selecting a mounting location for the control unit, it is necessary to plan wiring and cable routing.

This unit is designed to work in conjunction with Federal Signal SignalMaster controllers 330102, 330103, 331102, and SmartSiren models with SignalMaster control. Install the control unit and complete the wiring as described in the control unit instructions.

III. OPERATION.

SAFETY MESSAGE TO OPERATORS



The lives of people depend on your safe operation of Federal Signal Products. It is important to read and follow all instructions shipped with the products. In addition, listed below are some other important safety instructions and precautions you should follow:

- Although your warning system is operating properly, it may not be completely effective. People may not see or heed your warning signal. You must recognize this fact and continue driving cautiously.
- Also, situations may occur which obstruct your warning signal when natural or man-made objects are between your vehicle and others, such as: raising your hood or trunk lid. If these situations occur, be especially careful.
- This product contains high intensity LED devices. To prevent eye damage, DO NOT stare into the light beam at close range.
- At the start of your shift, you should ensure that the light is securely attached and operating properly.

RETAIN AND REFER TO THIS MESSAGE

IV. MAINTENANCE.

A. General.



Crazing (cracking) of lenses will cause reduced effectiveness of the light. Do not use cleaning agents (which will cause crazing) such as strong detergents, solvents, or petroleum products. If crazing of lenses does occur, reliability of light for emergency signaling purposes may be reduced until lenses are replaced.

Ordinary cleaning of the plastic lenses can be accomplished by using mild soap and a soft rag. Should fine scratches or a haze appear on a lens, they can ordinarily be removed with a non-abrasive, high quality, one-step, automotive paste cleaner/wax and a soft cloth.

B. Replacement Parts.

The unit must not be opened under any circumstance. Failure to adhere to this may result in moisture entering the unit causing premature failure. Please contact the factory if the unit is not functioning properly.

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