

Safety Messages for Installers of Warning Light Equipment

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.
- When drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged.
- For the light to function properly, a separate ground connection must be made. If practical, it should be connected to the negative battery terminal.
- If a vehicle seat is temporarily removed, verify with the vehicle manufacturer if the seat needs to be recalibrated for proper airbag deployment.
- Locate the light control so the VEHICLE and CONTROL can be operated safely under all driving conditions.
- Do not attempt to activate or deactivate the light control while driving in a hazardous situation.
- 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.

Product Overview

The Model CNSM-UM mounting kit is designed for mounting a Federal Signal CN SignalMaster™ directional light in various applications. It allows the CN SignalMaster to swivel up and down for adjustment on non-level surfaces.

NOTE: For electrical installation instructions, refer to the Installation and Maintenance Instructions packed with the lighthouse.

Unpacking the Kit

After unpacking the product, inspect it for damage that may have occurred in transit. If it has been damaged or is missing a part, 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 all parts in Table 1 on page 2 have been included. If you are missing any parts, contact Customer Support at 1-800-264-3578, 7 a.m. to 5 p.m., Monday through Friday (CT).

Table 1 Mounting kit contents

Qty.	Description	Part Number
8	Screw, 1/4"-20 Thread-Forming, HWH, 1/2" Lg., Blk. SS	7011164-08
4	Screw, 1/4" Type B, HWH, 3/4" Lg. BLK SS	7011183-12
6	Screw, #10 Pan-Head, 6-Lobe Drive, Type B, 3/8" Lg. SS	7011246-06
16	Lockwasher, 1/4", Ext. Tooth, SS	7075092
2	Bracket, Hinge	857300155
2	Bracket, Center	857300156
2	Bracket, Mounting	857300158

Mounting the SignalMaster

IMPORTANT: Plan all cable routing before the installation.

⚠ WARNING

LIGHT HAZARD—This product contains high output LED devices. To prevent permanent eye damage, do not stare into the light beam at close range.

⚠ WARNING

AIRBAG DEPLOYMENT—Do not install equipment or route wiring in the deployment path of an airbag. Failure to observe this warning will reduce the effectiveness of the airbag or potentially dislodge the equipment, causing serious injury or death.

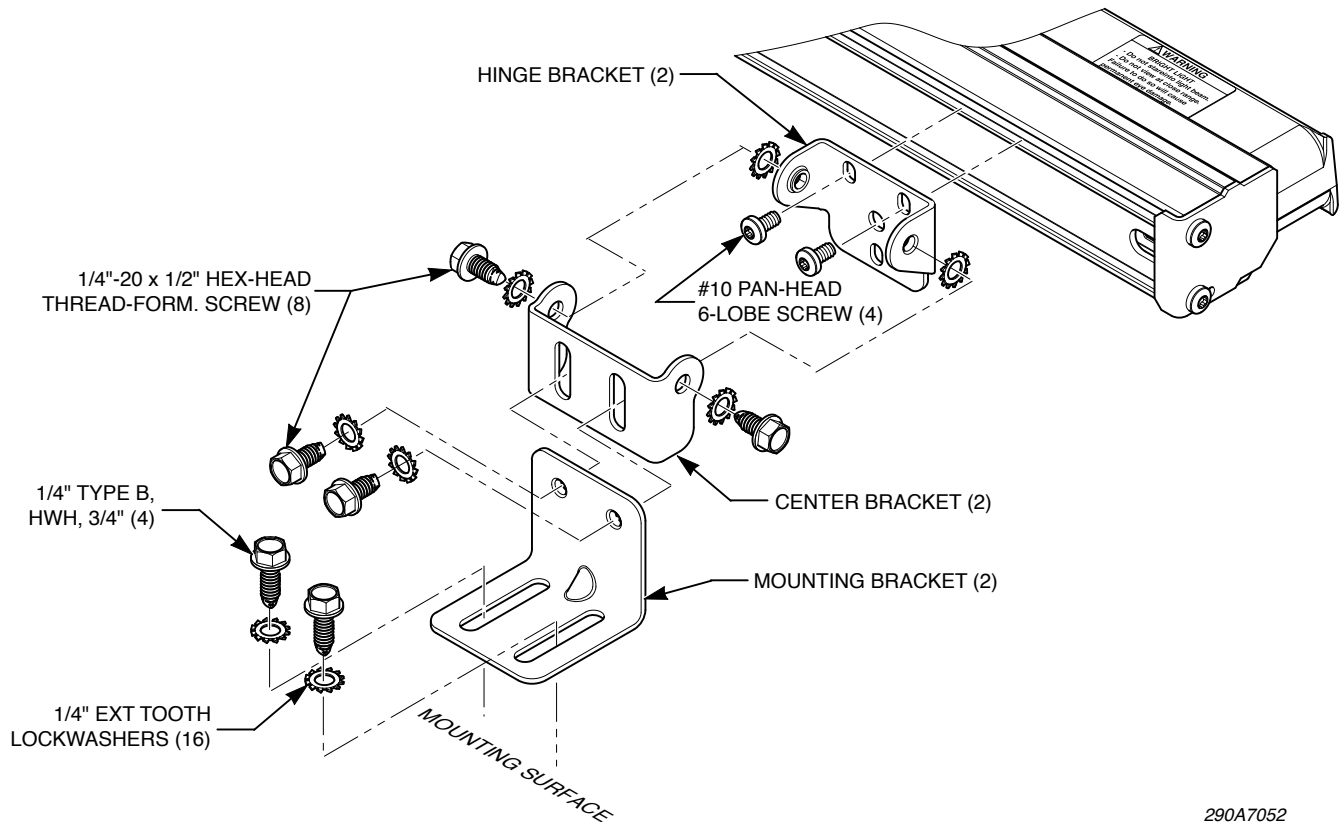
NOTICE

DRILLING PRECAUTION—When drilling holes, check the area you are drilling into to be sure you do not damage vehicle components. All drilled holes should be deburred and all sharp edges should be smoothed. All wire routings going through drilled holes should be protected by a grommet or convolute/split loom tubing.

To mount the lights:

1. See Figure 1. Secure the hinge brackets to the aluminum extrusion of the CN Signalmaster using the #10 pan-head 6-lobe drive screws.
2. Assemble the center brackets to the hinge brackets using 1/4"-20 x 1/2" hex head thread-forming screws and external-tooth lockwashers as shown in Figure 1 on page 3. Ensure that a lockwasher is installed between the brackets on each side as shown. Do not tighten the screws at this time.
3. Assemble the mounting brackets to the center brackets using the 1/4"-20 x 1/2" hex head screws and the external-tooth lockwashers. Do not tighten the screws at this time.
4. Use the assembled unit as a template and scribe the positions of the mounting holes on the mounting surface.
5. Drill 0.209" (#4 drill) diameter mounting holes at the scribed position marks.
6. If required, locate and drill an appropriate hole for routing the cables.
7. Secure the assembled lightbar to the mounting surface with the 1/4" Type B screws and external-tooth lockwashers.
8. Adjust the height and tilt of the lightbar as required and secure all fasteners.
9. Connect the lightbar as described in doc. no. 25500013 provided with the unit.

Figure 1 Exploded view of CN SignalMaster attached to mounting surface



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Getting Technical Support and Service

Federal Signal Corporation will service your equipment or provide technical assistance with any problems that cannot be handled locally. Any product returned to Federal Signal for service, inspection, or repair must be accompanied by a Return Material Authorization number. The RMA number can be obtained from your local distributor or Federal Signal. Please provide a brief explanation of the service requested or the nature of the malfunction. Contact your local dealer/distributor for replacement parts availability or contact the Federal Signal Service Department (7 a.m. to 5 p.m., Monday through Friday, Central Time) at:

Service Department
Federal Signal Corporation
2645 Federal Signal Drive
University Park, IL 60484-3167
800-433-9132
800-343-9706 (fax)
www.fedsig.com

Ordering Replacement Parts

To order replacement parts, please contact your local dealer/distributor or:

Customer Support
Federal Signal Corporation
Phone: 1-800-264-3578

Returning a Product to Federal Signal

Before returning a product to Federal Signal, call 800-264-3578, 800-433-9132, or 800-824-0254 to obtain a Returned Merchandise Authorization number (RMA number). To expedite the process please be prepared with the following information:

- Your Federal Signal customer or account number.
- The purchase order number under which the items were purchased.
- The shipping method.
- The model or part number of the product being returned.
- The quantity of products being returned.
- Drop ship information as needed.
- Any estimate required.

When you receive your RMA Number:

- Write the RMA number on the outside of the box of returned items.
- Reference the RMA number on your paperwork inside of the box.
- Write the RMA number down, so that you can easily check on status of the returned equipment.

Send all material with the issued RMA Number to:

Federal Signal Corporation
2645 Federal Signal Drive
University Park, IL 60484-3167
Attn: Service Department
RMA: # _____
Phone: 1-800-433-9132
Fax: 1-800-343-9706
www.fedsig.com



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