

Safety Message to Installers of Warning Light Equipment

⚠ WARNING

People's lives depend on your proper installation and servicing of Federal Signal products. It is important to read and follow all instructions shipped with this product and the original product. In addition, listed below are some other important safety instructions and precautions you should follow:

- To properly install the 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 airbag.
- If a vehicle seat is temporarily removed, verify with the vehicle manufacturer if the seat needs to be recalibrated for proper airbag deployment.
- To be an effective warning device, this product produces bright light that can be hazardous to your eyesight when viewed at close range. Do not stare into the lights at close range or permanent damage to your eyesight may occur.
- Because vehicle roof construction and driving conditions vary, Federal does not recommend driving a vehicle with a magnetically mounted warning light installed. The light could fly off the vehicle causing injury or damage. Repair of damage incurred because of ignoring this warning shall be the sole responsibility of the user.
- You should frequently inspect the light system to ensure that it is operating properly and that it is securely attached to the vehicle.
- Do not attempt to activate or deactivate the lighting system while driving in a hazardous situation.
- Refer to the instructions packed with the lighting system for additional precautions and information.
- 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.

Unpacking the Kit

After unpacking the kit, inspect it for damage that may have occurred in transit. If it has been damaged, do not attempt to install or operate it. File a claim immediately with the carrier, stating the extent of damage. Carefully check all envelopes, shipping labels, and tags before removing or destroying them. Ensure that the parts listed in Table 1 on page 2 are included in the package. 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).

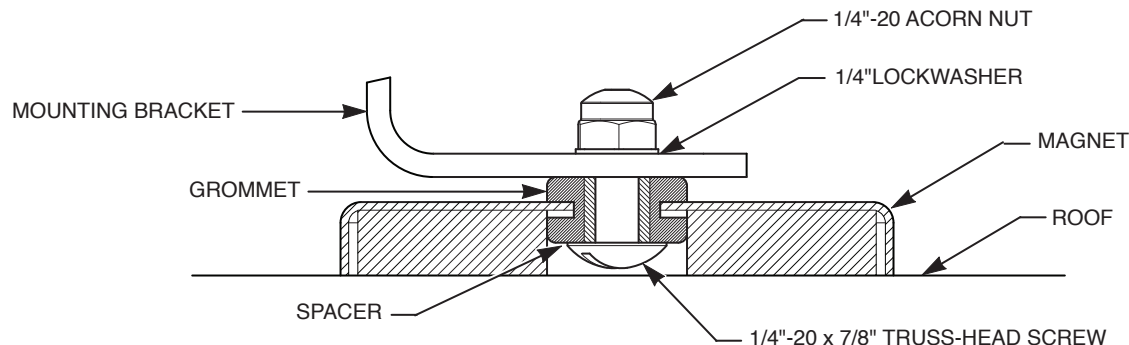
Table 1 Kit contents

Qty.	Description
2	Bracket, Mounting
8	Bolt, Carriage 5/18"-18 x 1", SS
8	Nut, Nylon Lock, 5/16"-18
4	Screw, 1/4"-20 x 7/8", Truss Hd., Slot
4	Nut, 1/4"-20, Acorn
4	Lockwasher, 1/4", Int. Tooth, S.S.
4	Grommet
4	Spacer, 3/8"
4	Magnet

Assembling the Mounting Brackets

See Figure 1. To assemble the magnets to the mounting brackets:

1. Insert a rubber grommet into the hole of each magnet.
2. Insert a 3/8" spacer into each grommet.
3. From the underside of the magnet, insert a 1/4"-20 truss-head screw through the spacer.
4. Place the mounting bracket over the exposed threads of the 1/4"-20 hex-head screw.
5. Place the 1/4" internal-tooth lockwasher over the screw.
6. Secure the magnet to the mounting bracket with the 1/4"-20 acorn nut.
7. Perform the previous steps until all four magnets are installed on the two mounting brackets.

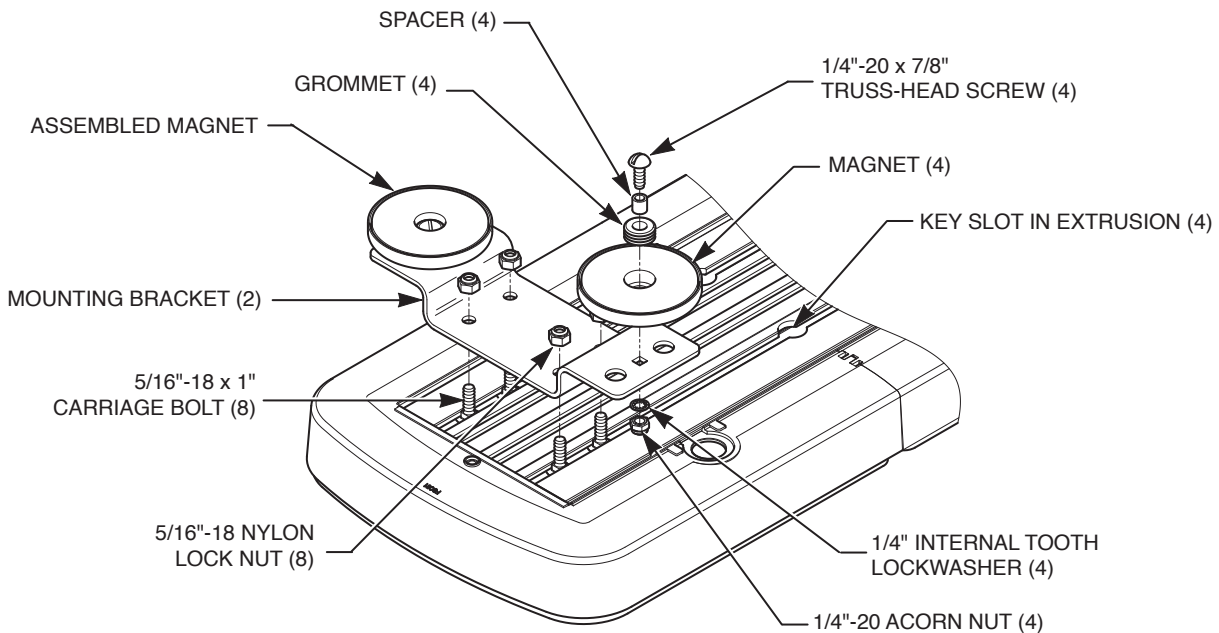
Figure 1 Magnets secured to mounting brackets

Installing the Mounting Brackets to the Lightbar

To secure the mounting brackets to the lightbar:

1. To protect the domes, invert the lightbar on soft rags or cardboard.
2. See Figure 2. Slide four 5/16" carriage bolts for each mounting bracket assembly into the key slots in the aluminum extrusion.
3. Screw the 5/16" hex nuts onto the 5/16" carriage bolts as shown in Figure 2. Secure the brackets about 1/2 inch from the ends of the extrusion.

Figure 2 Mounting brackets secured to the 24" Legend



Installing the Lightbar on the Vehicle Roof

⚠ WARNING

The holding power of magnetic mounting systems is dependent upon surface finish, surface flatness, and thickness of the steel mounting surface. Therefore, to ensure proper magnetic mounting:

- Ensure that mounting surface is flat.
- The mounting surface and magnets must be kept clean, dry, and free of foreign particles that prevent good surface contact.
- The magnetic mounting system should not be used on vehicles with vinyl tops.
- To prevent sliding of the light assembly on the mounting surface, quick acceleration and hard stops should be avoided.

Place the lightbar assembly on the vehicle roof at the desired location. Usually the lightbar should be installed approximately over the driver's head. Also, the distance from the windshield to each end of the unit should be the same. Ensure that all fasteners are properly tightened.

Getting Technical Support and Service

For technical support and service, please contact:

Federal Signal Corporation
Service Department
Public Safety Systems
Phone: 1-800-433-9132
Fax: 1-800-343-9706
Email: empserviceinfo@fedsig.com

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
Public Safety Systems
2645 Federal Signal Drive
University Park, IL 60484-3167
Attn: Service Department
RMA: # _____
800-433-9132
800-343-9706 (fax)
www.fedsig.com

© 2013 Federal Signal Corporation