

2561380 Rev C0 0222

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. Listed below are some other important safety instructions and precautions you should follow:

- To properly install the lighting and siren systems, you must have a good understanding of automotive systems, along with proficiency in the installation and use of safety warning equipment.
- In order to be an effective warning device, this product produces bright light that can be hazardous to your eyesight when viewed at a close range. Do not stare directly into this lighting product at a close range, or permanent damage to your eyesight may occur.
- Frequently inspect the light to ensure that it is operating properly and is securely attached to the vehicle.
- The holding power of magnetic mounting systems is dependent upon surface finish, surface flatness, and thickness of the steel mounting surface. Therefore, to promote proper magnetic mounting:
 - Keep the mounting surface and the magnets clean, dry, and free of foreign particles that prevent good surface contact.
 - Ensure that the mounting surface is flat.
 - Do not use a magnetic mounting system on vehicles with vinyl tops.
 - To prevent sliding of the light assembly on the mounting surface, avoid quick acceleration and hard stops.
- After installation and testing are complete, provide a copy of this instruction sheet to all operating personnel.
- 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.

Overview

This instruction sheet provides directions for the installation and wiring of a magnetic mounting kit on HighLighter series light assemblies. Magnetic mounting provides a secure, temporary mounting method for most installations. However, it is not intended for use on the exterior of a moving vehicle.

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 the damage. Carefully check all envelopes, shipping labels, and tags before removing or destroying them. Ensure that the parts in Table 1 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).

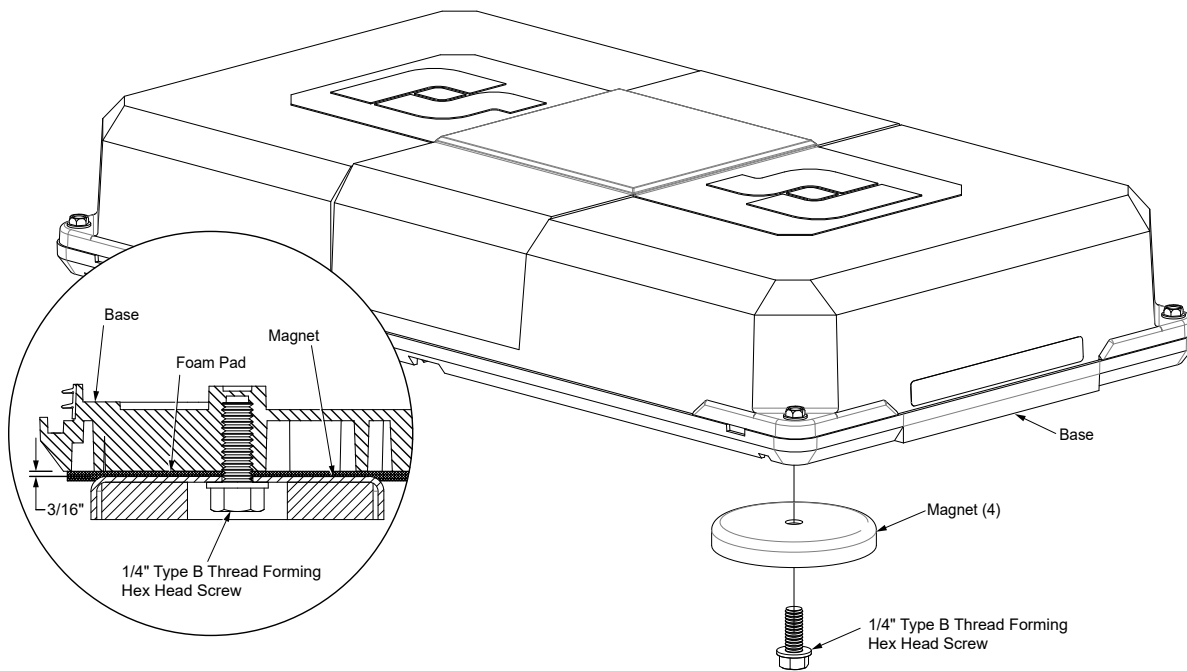
Table 1 Kit contents

Qty.	Description	Part Number
4	Screw, Thd. Form, 1/4" x 5/8"	7011165-10
1	Cable Assembly with terminals	1751515
4	Magnet Assembly	8550A012
1	Warning Label	200389
4	Magnet Cover	1611464

Installing the Magnets

Attach the magnets to the base using the 1/4-inch thread forming screws. Leave a gap of 3/16-inch between the magnets and the base. See Figure 1.

Figure 1 Installing the magnets



Wiring the Unit

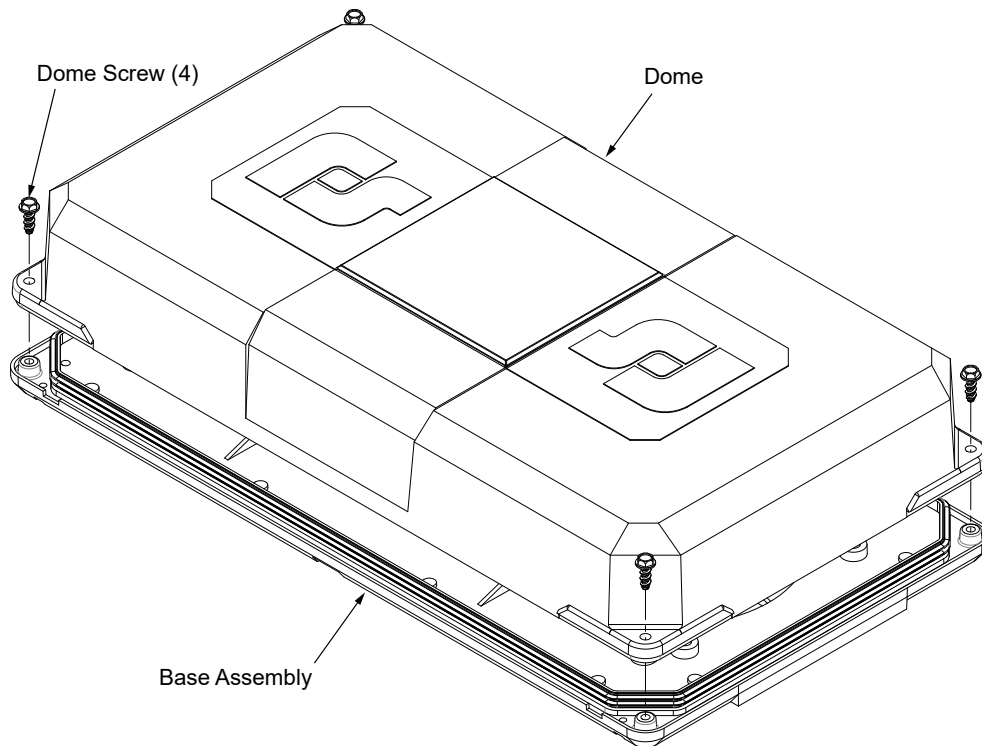
⚠ WARNING

SHOCK HAZARD: Strobe and HID light systems generate high voltages. Disconnect power from the system and wait at least 10 minutes before opening the unit. Do not apply power to the unit while the unit is open. Failure to follow this warning could result in serious injury or death.

To wire the unit:

1. Remove and retain the four screws (one at a time) that secure the dome to the base, and then remove the dome. See Figure 2.

Figure 2 Exploded view



2. Using a single edge razor blade, carefully cut a slit in the mounting pad directly under the existing wires. The slit should be just long enough to remove the strain relief bushing from the base.
3. Remove the strain relief bushing from the base plate. Pull the wires out of the wire exit hole, and remove and retain the strain relief bushing from the wires. Disconnect the black and red incoming wires from the PC Board.
4. Route the cable assembly through the wire routing hole in the base plate. Connect the ribbed wire to the positive (+) terminal and the smooth wire to the negative (-) terminal.
5. Replace the previously removed strain relief bushing.
6. Dress the wires inside the light assembly with user-supplied tie-wraps.
7. Test for proper operation.

8. Replace the dome using the previously removed screws.

Installing on a Vehicle Roof

Select a location for the light assembly on the vehicle roof that provides maximum signaling effectiveness for your application.

To install the unit on a vehicle roof, ensure that the mounting surface is flat. Place the light at the desired location.

Operating the Unit

⚠ WARNING

HAZARDOUS CONDITIONS: *If conditions require your full attention, avoid inserting the plug in the accessory plug socket.*

Insert the plug on the end of the cable assembly in the accessory plug socket.

Getting Technical Support

For technical support, please contact:

Federal Signal Corporation
Service Department
Phone: 1-800-433-9132
Email: empserviceinfo@fedsig.com

Getting Repair Service

The Federal Signal factory provides technical assistance with any problems that cannot be handled locally. Any units returned to Federal Signal for service, inspection, or repair must be accompanied by a Return Material Authorization (RMA). Obtain an RMA from a local Distributor or Manufacturer's Representative. Provide a brief explanation of the service requested or the nature of the malfunction.

Address all communications and shipments to the following:

Federal Signal Corporation
Service Department
2645 Federal Signal Dr.
University Park, IL 60484-3167



FEDERAL SIGNAL
Safety and Security Systems

2645 Federal Signal Drive
University Park, Illinois 60484-3167

www.fedsig.com

Customer Support

Police/Fire-EMS: 800-264-3578 • +1 708 534-3400

Work Truck: 800-824-0254 • +1 708 534-3400

Technical Support: 800-433-9132 • +1 708 534-3400

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