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Safety Message to Installers of Warning Light Equipment

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.
- You should frequently inspect the light system to ensure that it is operating properly and that it is securely attached to the vehicle.
- When drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged.
- Refer to the instructions packed with related products for additional precautions and information.
- File these instructions in a safe place and refer to them when maintaining and/or reinstalling the product.
- Do not stare directly into the lights at a close range or permanent damage to your eyesight may occur.

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

MPSM6U-GRL1 Mounting Kit

This publication has instructions for using the MPSM6U-GRL1 Mounting Kit to mount two MicroPulse Ultra lightheads to mesh-like vehicle grilles. This kit is not vehicle-specific.

NOTE: For electrical installation instructions, refer to the installation and maintenance instructions packed with the lighthead.

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 in the Kit Contents List 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 Hardware

Description	Part No.	Qty.
Retainer Plate	861302959	2
Panhead Phillips Machine Screw, 6-32, Stainless Steel	7000A427-28	4
Keps Nuts, 6-32 Stainless Steel	7058A046	4

Installing the Brackets

⚠ WARNING

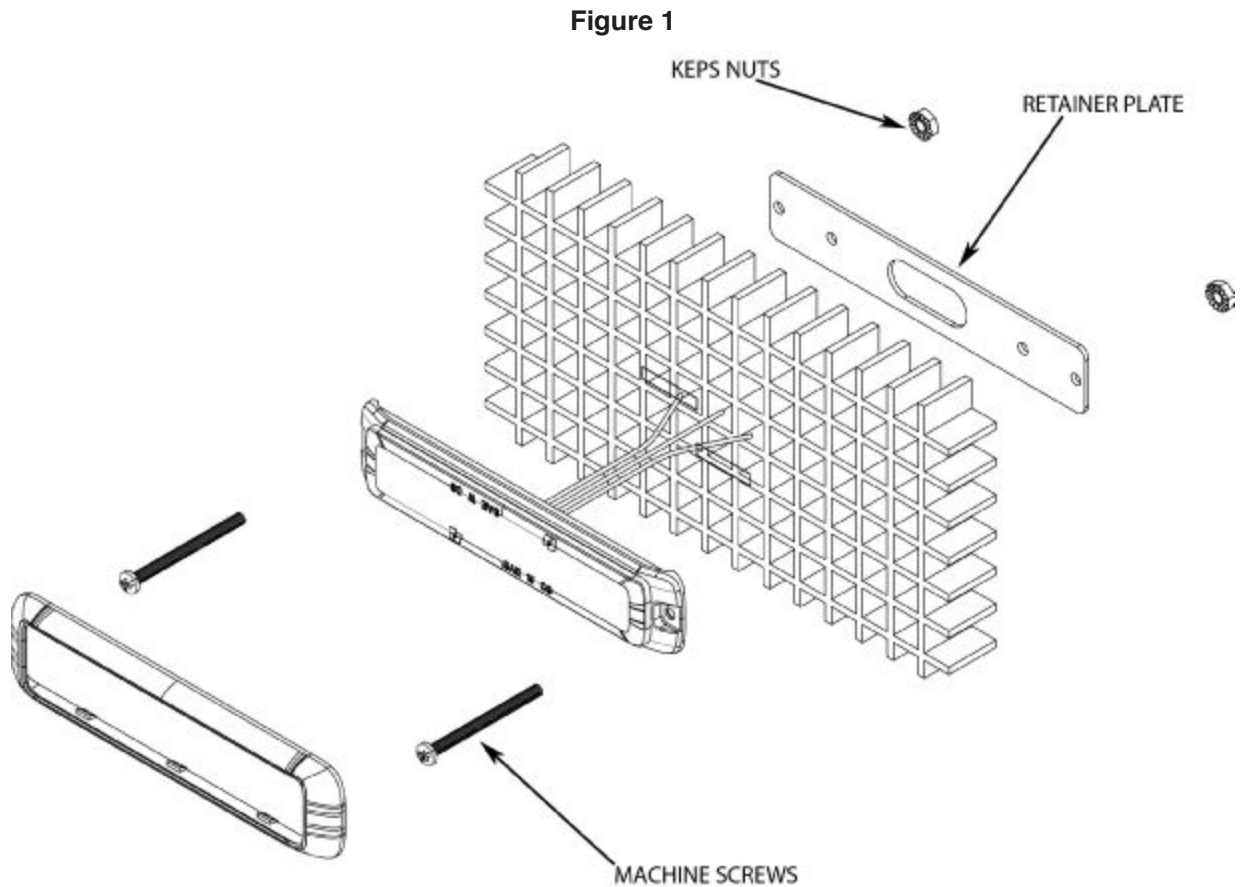
AIRBAG DEPLOYMENT: Do not install equipment or route wiring in the deployment path of an airbag. Failure to observe this warning will reduce the effectiveness of the airbag or potentially dislodge the equipment, causing serious injury or death.

⚠ WARNING

DRILLING PRECAUTIONS: 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.

IMPORTANT: Plan all cable routing before the installation.

1. Remove the vehicle grille/bumper cover according to the vehicle manufacturer’s instructions.
2. Position the lighthouse in the desired location on the front of the grille.
3. Position the included retainer plate behind the grille.
4. Slide the included #6 screws through the mounting holes in the lighthouse and through the holes in the retainer plate. Notch or cut the grille as necessary. The screws can be cut to length as needed.
5. Install the included #6 nuts onto the screws. Do not overtighten. See **Figure 1** for exploded view.
6. Repeat this procedure for the opposite side.



8. Complete the wiring according to the instructions supplied with the lightheads.
9. Test the lights for proper operation.

⚠ WARNING

LIGHT HAZARD: To be an effective warning device, an emergency warning system produces bright light that can be hazardous to your eyesight when viewed at a close range. Do not stare directly into the lights at a close range or permanent damage to your eyesight may occur.

Getting Technical Support and Service

For technical support and service, please contact:

Service Department
Federal Signal Corporation
Phone: 1-800-433-9132
Fax: 1-800-343-9706
Email: empserviceinfo@fedsig.com
www.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 a 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 Drive
University Park, IL 60484-3167

Ordering Replacement Parts

To order replacement parts, call Customer Support at 1-800-264-3578, 7 a.m. to 5 p.m., Monday through Friday (CT) or contact your nearest distributor.



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