

2562639 Rev. B1 0121

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 system, you must have a good understanding of automotive systems, along with proficiency in the installation and use of safety warning equipment.
- If a vehicle seat is temporarily removed, verify with the vehicle manufacturer if the seat needs to be recalibrated for proper airbag deployment.
- When drilling into a vehicle structure, ensure that both sides of the surface are clear of anything that could be damaged.
- Refer to the instructions included with the light system for the proper electrical connections.
- 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 directly into this lighting product at close range, or permanent damage to your eyesight may occur.
- Frequently inspect the light system to ensure that it is operating properly and that it is securely attached to the vehicle.
- 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 or reinstalling the product.

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

Introduction

This publication provides instructions for installing the Integrity, Navigator, or Legend Mounting Foot Kit with the 2-inch or 4-inch Riser Bracket Kit. Purchased separately, the mounting foot kit and the Integrity, Navigator, or Legend vehicle-specific mounting hook kit completes the installation.

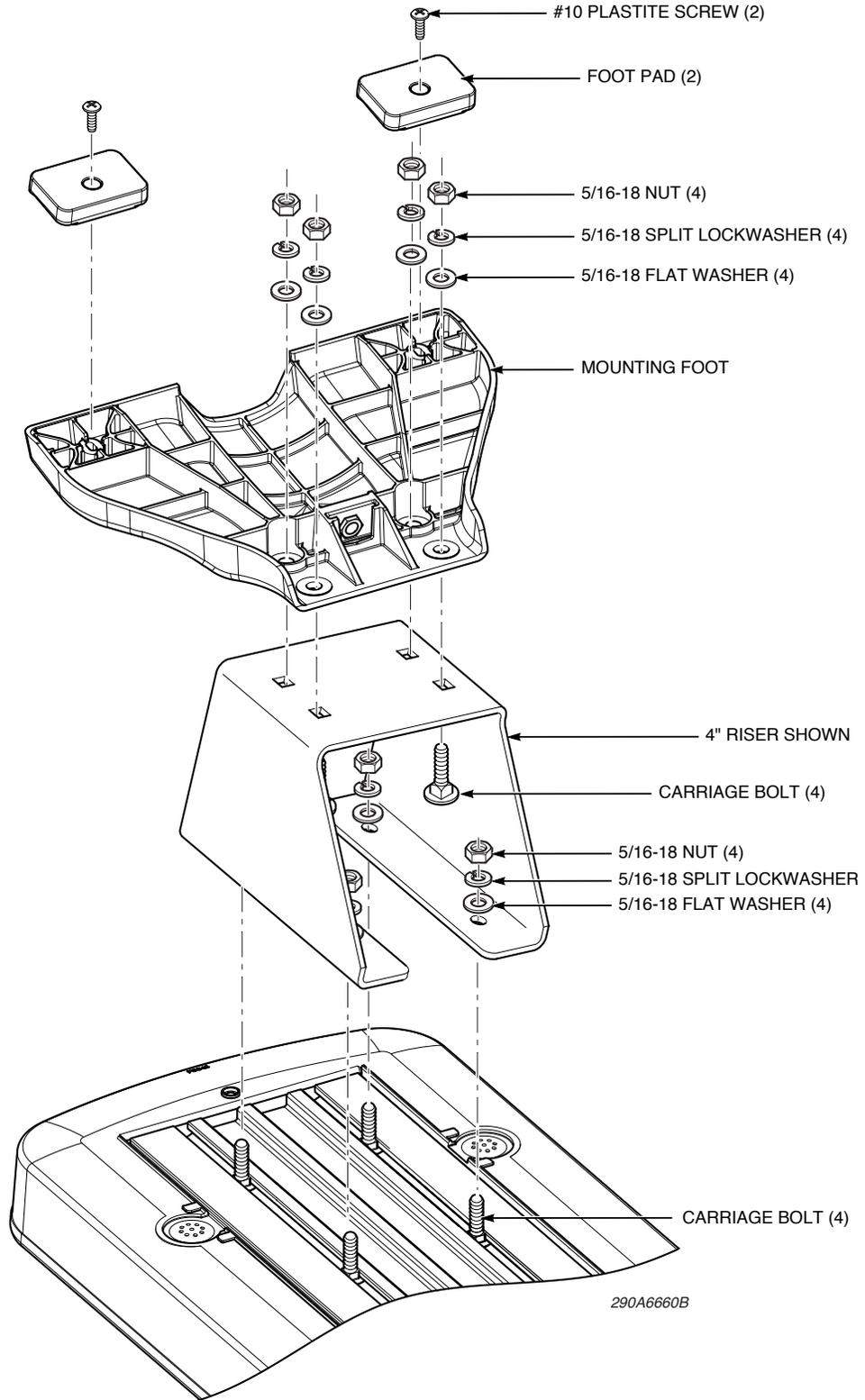
Unpacking the Kit

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 listed 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 (not all parts will be used)

Qty	Description	Part No.	Qty	Description	Part No.
2	2-inch Riser Bracket OR 4-inch Riser Bracket	865300731 8653237	8	5/16-18 Nut	7059125
4	1/2-inch #10 Plastite® Screw	7011234-08	8	5/16-inch Stainless Steel Split Lockwasher	7074A020
8	5/16-18 x 1-inch Stainless Steel Bolt Carriage	7004025-16	8	5/16-inch Stainless Steel Washer	7072A031

Figure 1 Mounting foot and riser bracket secured to light bar



Installing the 2-inch or 4-inch Riser Bracket on the Light Bar

Refer to the installation and maintenance instructions included with the light bar for electrical installation instructions. Plan all cable routing before the installation.

⚠ WARNING

HEAVY OBJECT: Use lifting aids and proper lifting techniques when removing or replacing this product. Failure to follow this warning may cause personal injury.

To install the mounting foot with the riser bracket on the light bar:

1. Prepare the mounting foot for installation according to the instructions shipped with the mounting foot kit (Doc. No. 2562268).
2. Place the light bar upside down on soft rags or cardboard to avoid marring the plastic domes.
3. Insert two 5/16-18 carriage bolts into each track (four total) through the center access holes in the light bar (Figure 1 on page 2).
4. Position the bolts to match the holes in the riser bracket.
5. Secure the mounting foot to the riser bracket with the hardware supplied with the mounting foot kit.
6. Place the riser bracket over the four carriage bolts. Install four flat washers, lock washers, and 5/16-18 nuts on the carriage bolts, leaving the bolts just loose enough to reposition the mounting foot and riser bracket assembly. Do not tighten the nuts yet.
7. Temporarily attach the 0.44-inch foot pads included with the mounting foot kit to the mounting foot as shown in Figure 1.
8. Repeat steps 1 through 7 on the other side of the light bar.

Installing the Light Bar on the Vehicle Roof

To install the mounting foot with the riser bracket on the light bar:

1. Place the light bar on the vehicle roof at the selected location. Usually the light bar assembly should be installed so that the mounting hooks attach at, or immediately behind, the door center post (B-pillar). Before proceeding, see the instructions provided with the separately purchased mounting hook kit.
2. Adjust both riser bracket assemblies in or out as necessary until the foot pads rest near the edge of the roof or gutter where the roof is the most rigid.
3. Verify that the light bar is level. To level it, use foot pads of different thicknesses and/or reposition the light bar assembly slightly forward or backward.
4. Remove the light bar from the vehicle roof and place it on soft rags or cardboard to avoid marring the plastic domes.

NOTICE

PROPERLY TIGHTEN NUTS: To avoid damaging the light bar, do not overtighten the nuts.

5. Turn the light bar over so that the bottom faces up. Torque the nuts on the four 5/16-inch bolts on each mounting foot 120 in-lb to 132 in-lb.
6. If the foot pads not installed, secure the pads with the #10 Plastite® screws.

Installing the Integrity®, Navigator®, or Legend® with the Riser Bracket Mounting Kit

7. Place the light bar on the vehicle roof in the selected position.
8. To fasten the mounting hook, refer to the instructions included with the Keeper Plate Kit.

NOTE: To prevent bowing of the light bar, torque the hook-adjustment bolts 3.5 ft-lb to 5 ft-lb. The bolts are installed with the separately-purchased mounting hook kit.

Getting Technical Support

For technical support, please contact:

Federal Signal Corporation
Service Department
Phone: 1-800-433-9132
Fax: 1-800-343-9706
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

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