

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.
- 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, be sure 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.
- You should 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 or Legend Mounting Foot Kit with the 2" or 4" Riser Bracket Kit. Purchased separately, the mounting foot kit and the Integrity or Legend vehicle-specific mounting hook kit completes the installation.

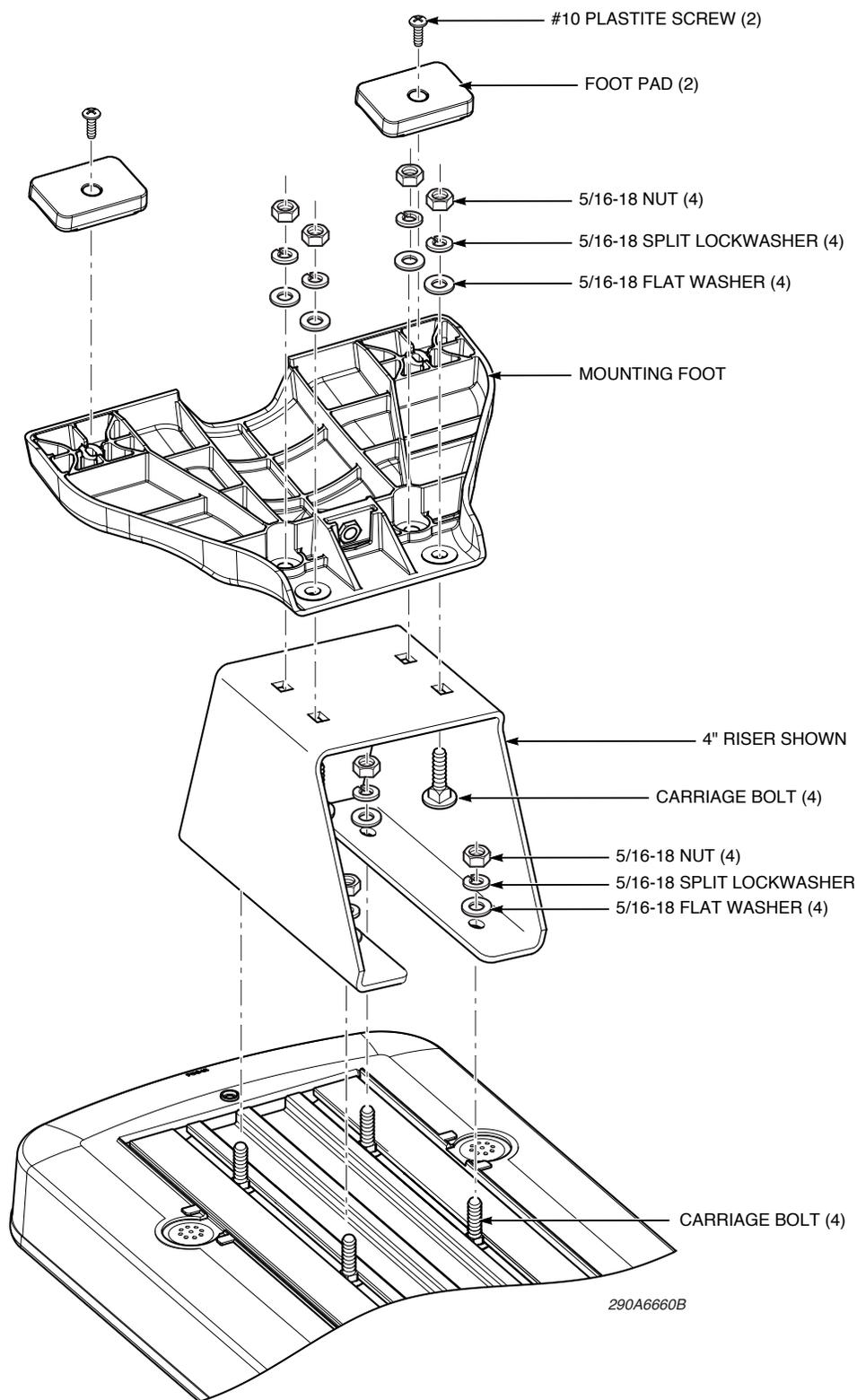
Unpacking the Kit

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 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" Riser Bracket OR 4" Riser Bracket	865300731 8653237	8	Nut, 5/16"-18	7059125
4	Screw, #10 Plastite, 1/2"	7011234-08	8	Lockwasher, 5/16", Split, SS	7074A020
8	Bolt, Carriage, 5/16"-18 x 1", SS	7004025-16	8	Washer, 5/16", SS	7072A031

Figure 1 Mounting foot and riser bracket secured to lightbar



Installing the 2" or 4" Riser Bracket on the Lightbar

Refer to the installation and maintenance instructions included with the lightbar 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 lightbar:

1. Prepare the mounting foot for installation according to the instructions shipped with the mounting foot kit (Doc. No. 2562268).
2. Place the lightbar 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 lightbar (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" 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 lightbar.

Installing the Lightbar on the Vehicle Roof

To install the mounting foot with the riser bracket on the lightbar:

1. Place the lightbar on the vehicle roof at the selected location. Usually the lightbar 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. Check that the lightbar is level. To level it, use foot pads of different thicknesses and/or reposition the lightbar assembly slightly forward or backward.
4. Remove the lightbar 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 lightbar, do not overtighten the nuts.

5. Turn the lightbar over so that the bottom faces up. Torque the nuts on the four 5/16" bolts on each mounting foot 120 in-lb to 132 in-lb.

Mounting Instructions for the Integrity or Legend Lightbar

6. If the foot pads not installed, secure the pads with the #10 Plastite screws.
7. Place the lightbar 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 lightbar, torque the hook-adjustment bolts 3.5 ft-lb to 5 ft-lb. The bolts are installed with the separately-purchased mounting hook kit.

Ordering Replacement Parts

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

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

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: # _____