

2562268D REV. D 1109

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 Legend Lightbar Hook-On Mounting Kit. A vehicle-specific mounting hook that completes the installation is purchased separately.

Unpacking the Kit

After unpacking the product, 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.

Table 1: Kit contents

Qty.	Description	Part No.	Qty.	Description	Part No.
2	Foot, Mounting	8653183	8	Bolt, Carriage, 5/16-18 x 1", SS	7004025-16
4	Pad, Foot, 0.29"	8653157-03	8	Nut, 5/16-18	7059125
4	Pad, Foot, 0.44"	8653157-04	8	Lockwasher, 5/16 split, SS	7074A020
4	Pad, Foot, 0.69"	8653157-07	8	Flat Washer, 5/16, SS	7072A031
4	Screw, #10 Plastite, 1/2"	7011234-08	1	Kit, Keeper Plate	8583193
2	Plate Assy., Nut Retainer	8653218			

Preparing the Mounting Foot

Install a nut retainer plate assembly on the top of each mounting foot (Figure 1).

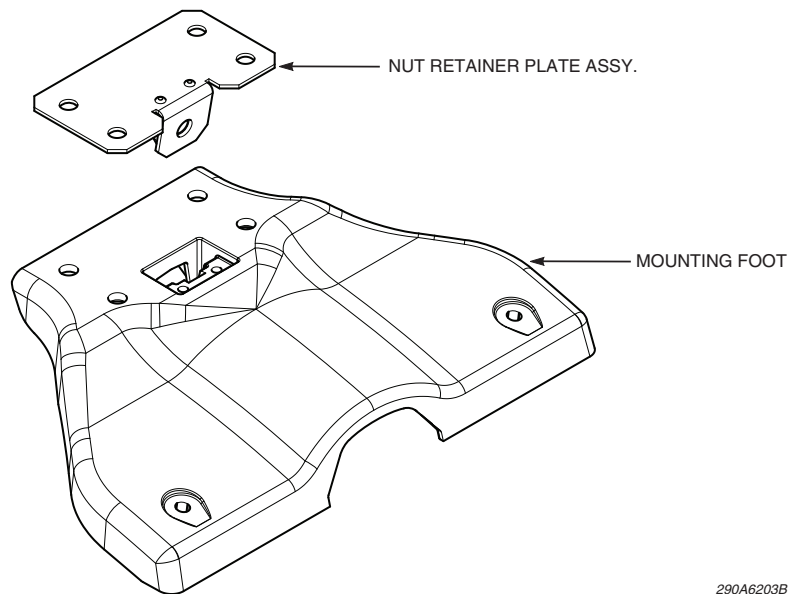


Figure 1: Hardware securing the mounting foot to the lightbar

Installing the Mounting Foot 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.

1. Place the lightbar upside down on soft rags or cardboard to avoid marring the plastic domes.
2. Insert two 5/16-18 carriage bolts into each track (four total) through the center access holes in the lightbar (Figure 2 on page 3).
3. Position the bolts to match the holes in the mounting foot. Baseline positions for the mounting foot on some common vehicles are shown in Table 2 below and Figure 3 on page 3.

Table 2: Baseline positions for the mounting foot

Lightbar Model	Vehicle Make/Model	Distance "D"	Front Pad	Rear Pad
LGD45	2008 Ford Crown Victoria	15-1/8"	0.29"	0.29"
	2008 Chevy Impala	15-1/4"	0.44"	0.29"
	2008 Dodge Charger	15-0"	0.29"	0.44"

4. Place the prepared mounting foot 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. Do not tighten the nuts yet.

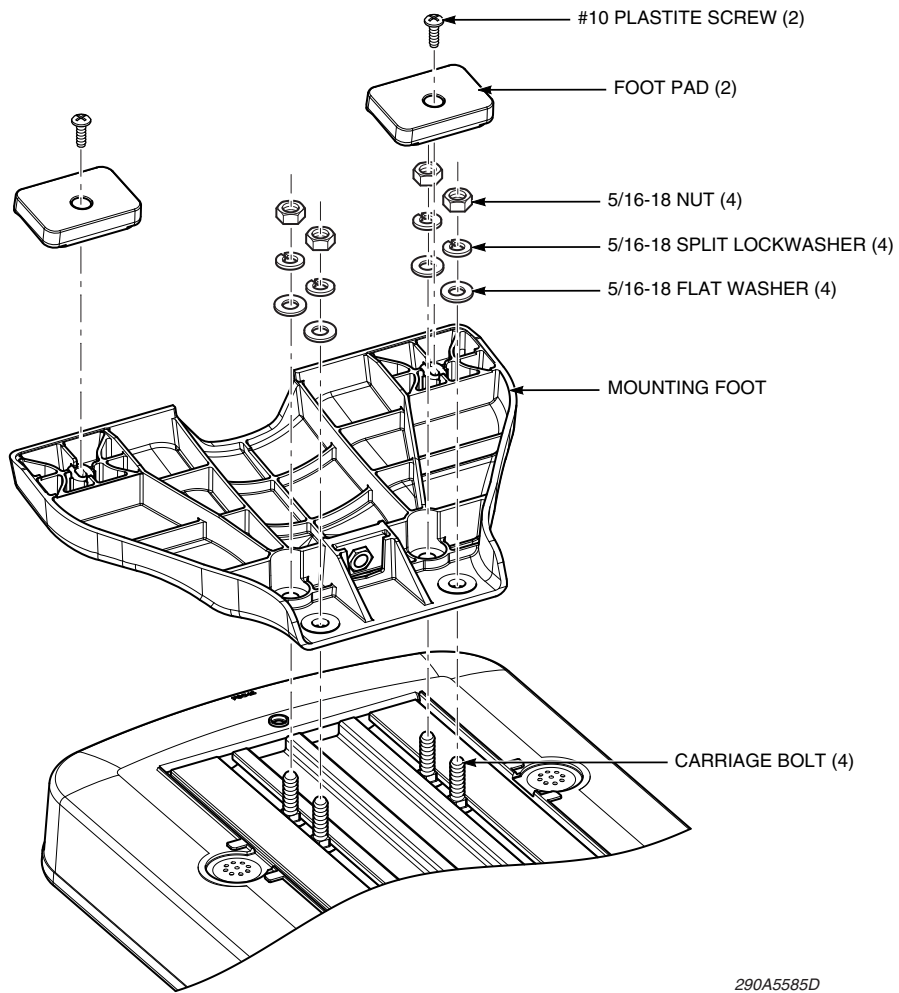


Figure 2: Hardware securing the foot to the vehicle

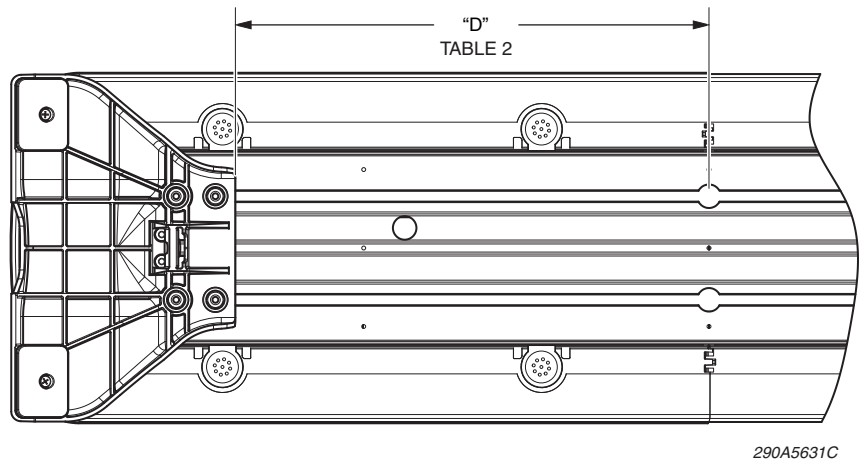


Figure 3: Baseline position "D" for the mounting foot on the vehicle

5. For vehicles shown in Table 2 on page 2, install the appropriate foot pads and secure them with the Plastite screws. For other vehicles, start with the 0.44" pads and temporarily attach them to the mounting foot with tape.
6. Repeat steps 1 through 5 on the other side of the lightbar.

Installing the Lightbar on the Vehicle Roof

1. Place the lightbar assembly 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 mounting foot 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.
6. If not installed, secure the foot 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.

Ordering Replacement Parts

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

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: # _____



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