

2562292A REV. A 712

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 a light assembly, you must have a good understanding of automotive electrical procedures and 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.
- 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 instruction sheets included 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.

Overview

This publication provides additional instructions for the installation of a separately-purchased mounting system for Federal Signal lightbars on vehicle roofs. Installation of this hook kit requires the use of parts from the mounting system. Before proceeding, read and understand all instructions included with the mounting system.

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 on page 2 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
2	Hook	Varies
6	Screw, #10 Thd. Frm.	7011196-08
2	Pad, Mounting	8552492

Preparing the Mounting Surface

To prepare the mounting surface for the lightbar:

CAUTION

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

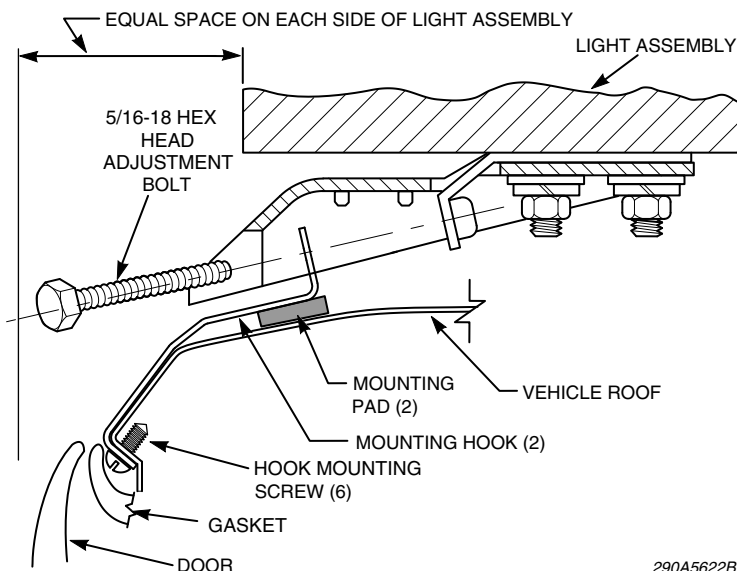
1. Place the lightbar assembly on the vehicle roof. The assembly is usually centered over the B-pillar. Refer to the instructions included with the mounting system kit for additional information.

NOTICE

WATER LEAKAGE—Water may leak into the vehicle interior if the hook is improperly positioned. Ensure that the hook is positioned above or near the door post.

2. Determine where the hook will attach to the vehicle.
3. Place the hook in position on the roof sheet metal as shown in Figure 1.

Figure 1 Lightbar attached with hook kit to vehicle



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NOTICE

DRILLING PRECAUTIONS—Check the area into which you are drilling to be sure you do not damage vehicle components. All drilled holes should be de-burred 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.

4. Use the hook as a template to mark the three hole locations.

5. Drill three 0.136" diameter holes (#29 drill bit) at the marked locations.
6. Apply a silicone sealant around the holes before attaching the hook.

Installing the Hook

To install the hook:

1. To protect the roof surface, peel the packing from the adhesive mounting pad and attach the pad to the bottom of the hook (Figure 1 on page 2).
2. Secure the hook using the three #10 thread-forming screws (Figure 1).
3. Attach the hook to the mounting bracket using a 5/16"-18 hex-head bolt of the appropriate length. Tighten the bolt only finger-tight at this time.
4. Prepare and attach the other hook in the same way as you did the first hook.

⚠ CAUTION

On Arjent® lightbars tighten the adjustment bolts 10 ft-lb to 11 ft-lb. On all other lightbar models torque the adjustment bolts 6 ft-lb to 7 ft-lb. Install keeper plates. Excessive tightening of the hook adjustment bolts can cause damage to the lightbar, mounting system, or the vehicle's roof.

Also, ensure that the mounting kit is correct for the vehicle and only use the supplied mounting kit hardware. If the mounting bracket is improperly assembled, the light assembly could fly off the vehicle causing injury or damage.

5. On Arjent lightbars tighten the adjustment bolts 10 ft-lb to 11 ft-lb. On all other lightbar models torque the adjustment bolts 6 ft-lb to 7 ft-lb. Install keeper plates.

IMPORTANT: Frequently inspect the lightbar to ensure that all fasteners and brackets are tight.

Getting Technical Support and Service

For technical support and service, please contact:

Federal Signal Corporation
Service Department
Public Safety Systems
Phone: 1-800-433-9132
Fax: 1-800-343-9706
Email: empserviceinfo@fedsig.com

Ordering Replacement Parts

To order replacement parts for the mounting kit, please contact your local dealer/distributor or:

Customer Support
Federal Signal Corporation
Phone: 1-800-264-3578

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
Public Safety Systems
2645 Federal Signal Drive
University Park, IL 60484-3167
Attn: Service Department
RMA: # _____
800-433-9132
800-343-9706 (fax)
www.fedsig.com



2645 Federal Signal Drive, University Park, IL 60484-3167
Tel.: (800) 264-3578 • Fax: (800) 682-8022
www.fedsig.com

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