

2562480A REV. A 611

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.

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

Qty.	Description	Part Number
2	Bolt, Hex Hd., 5/16-18 x 1-3/4	7000469-28
2	Bolt, Hex Hd., 5/16-18 x 2-1/2	7000469-40
2	Bolt, Hex Hd., 5/16-18 x 3-1/2	7000469-56
2	Washer, Gutter Hook	8583491
2	Plate, Full Hex Bolt Keeper	8583492
6	Screw, #10 x 1/2" Thd. Frm. Phil., S.S., waxed	7011196-08

Installing the Kit

Supplied in the kit are 1-3/4", 2-1/2", and 3-1/2" bolts (2 each). If you need bolts of a different size when installing the lightbar on vans, trucks, etc., order Federal Signal Model No. HK-BOLT. Use the length that best fits your vehicle. Vehicle-specific mounting hooks with the five-hole pattern are required for this installation.

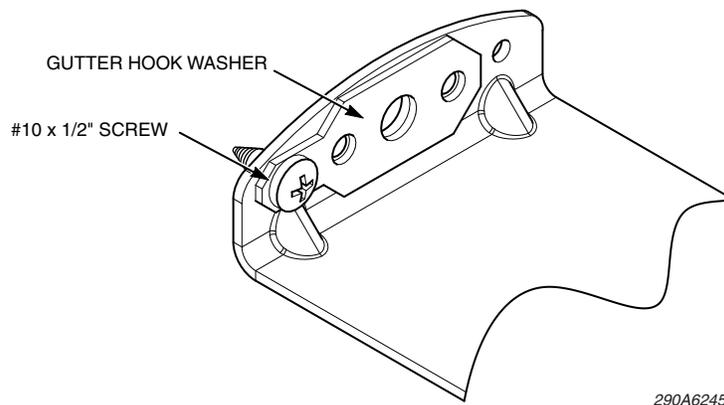
CAUTION

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

To install the kit:

1. Attach a gutter hook washer to a mounting hook (purchased separately) with a #10 pan head thread-forming screw (Figure 1). Repeat the procedure with the other mounting hook.

Figure 1 Gutter hook washer attached to mounting hook



2. 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.
3. Fasten a mounting hook to each lightbar mounting foot using the 1-3/4", 2-1/2", or 3-1/2" stainless steel hook-adjustment bolt and finger-tighten the bolt (Figure 2 on page 3). Ensure that the mounting hooks do not interfere with the door or door glass.
4. Evenly snug both adjustment bolts. Check to ensure that the lightbar remains centered left to right on the vehicle roof.

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.

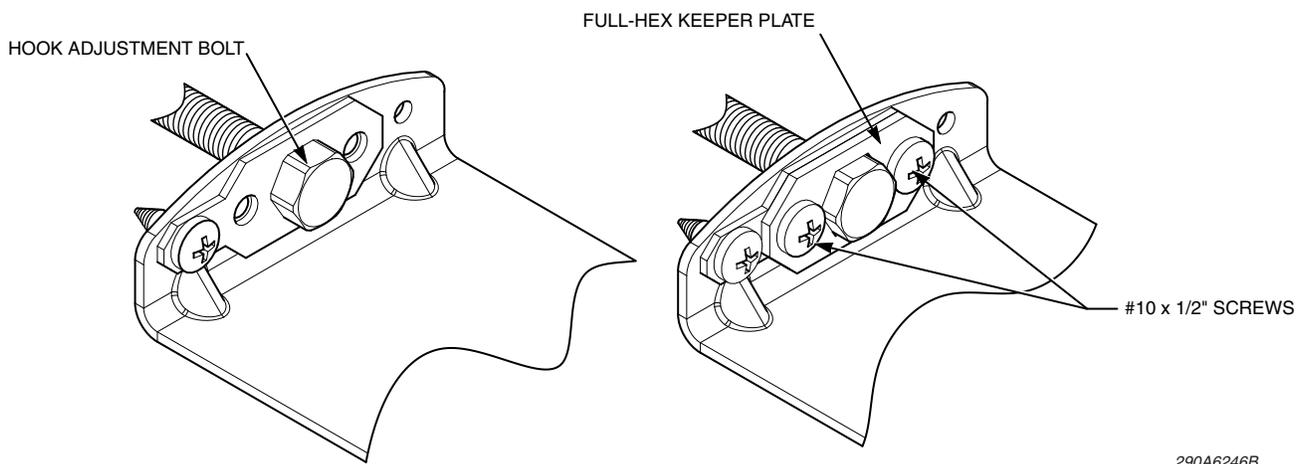
Also, ensure that the mounting kit is correct for the vehicle and only use the supplied mounting kit hardware. If the mounting bracket is improperly assembled, the light assembly could fly off the vehicle causing injury or damage.

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.

NOTE: To allow the #10 thread-forming screws and keeper plates to be properly secured, the hex head of the hook-adjustment bolt should be oriented as shown in Figure 2.

6. After the lightbar assembly is secured to the vehicle and the hook adjustment bolt is in the proper orientation, slide a full hex keeper plate over the hook adjustment bolt (Figure 2).
7. Secure the keeper plate with two #10 pan head thread-forming screws to prevent the hook adjustment bolt from rotating.

Figure 2 Full-Hex Keeper Plate secured to hook



8. Repeat steps 4 and 5 with the other mounting foot.
9. For electrical installation instructions, refer to the installation and maintenance instructions included with the lightbar.

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
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