

2562544A REV. A 1010

Safety Message to Installers of Federal Signal Warning Light Systems

⚠ 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 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.
- Always refer to the vehicle service manuals when performing equipment installations on a vehicle.
- When drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged.
- Locate the light system controls so the VEHICLE and CONTROLS can be operated safely under all driving conditions.
- If a vehicle seat is temporarily removed, verify with the vehicle manufacturer if the seat needs to be recalibrated for proper airbag deployment.
- Do not install equipment or route wiring in the deployment path of an airbag. Failure to observe this warning will reduce the effectiveness of the airbag or potentially dislodge the equipment, causing serious injury to you or others.
- To avoid damage to the lightbar, do not overtighten screws and nuts.
- To be an effective warning device, an emergency warning system produces bright light that can be hazardous to your eyesight when viewed at close range. Do not stare directly into the lights at a close range or permanent damage to your eyesight may occur.
- For additional precautions and information, refer to the instructions packed with related products.
- Frequently inspect the light system to ensure that it is operating properly and that it is securely attached to the vehicle.
- 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 Center Mount Kit on the 60" Vision SLR lightbar. The kit, which is installed during the installation of the lightbar, must be used with both the Hook and Permanent mounting kits to ensure the stability of the lightbar on the vehicle. Also required is an installer-supplied control head for controlling the functions of the lightbar.

Unpacking the Kit

After unpacking the kit, inspect it for damage that may have occurred in transit. If it has been damaged, 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 shown in Table 1 are contained in the packing carton. 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 No.
1	Carriage Bolt, 1/4"-20, SS	7004A020-40
2	Nut, Keps™, 1/4"-20, SS	7058050
2	Washer, Flat, 1/4", SS	7072A024
2	Washer, Neoprene, 1/4"	7072A148

*Installer-supplied RTV for sealing the drilled hole is also required.

Preparing the Lightbar for Installation

The Center Mount Kit is installed:

- ◆ after you have determined the mounting position of the lightbar on the vehicle
- ◆ and before the actual installation of the lightbar.

⚠ WARNING

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

⚠ WARNING

ROOF SUPPORT STRUCTURE—There is a roof support member that spans the distance between the driver and passenger side. **DO NOT DRILL THROUGH THIS MEMBER!** Adjust any hole locations until the hole can be drilled without going through this member. Failure to follow this warning will weaken the roof of the vehicle and may lead to an increased chance of bodily injury or death in a roll-over accident.

NOTICE

DRILLING PRECAUTIONS—When drilling holes, check the area into which you are drilling to be sure you do not damage vehicle components while drilling. 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.

To install the mounting hardware:

1. Mark an insertion point on the vehicle roof for the carriage bolt that is between 4-3/8" and 5-3/4" from the V-shaped tip of the lightbar inward along the center line (Figure 1 on page 3).
2. Drill a 5/16" hole at the mark.
3. Install on the carriage bolt a Keps nut, a flat washer, and a neoprene washer (Figure 2 on page 3).

4. Insert the carriage bolt into the keyhole in the base of the lightbar (Figure 2). To prevent the nut and washers from interfering with the vehicle roof during the installation, ensure that they are close to the mounting bracket.
5. Apply a bead of RTV around the 5/16" hole.

Figure 1 Location of keyhole in lightbar base for carriage bolt

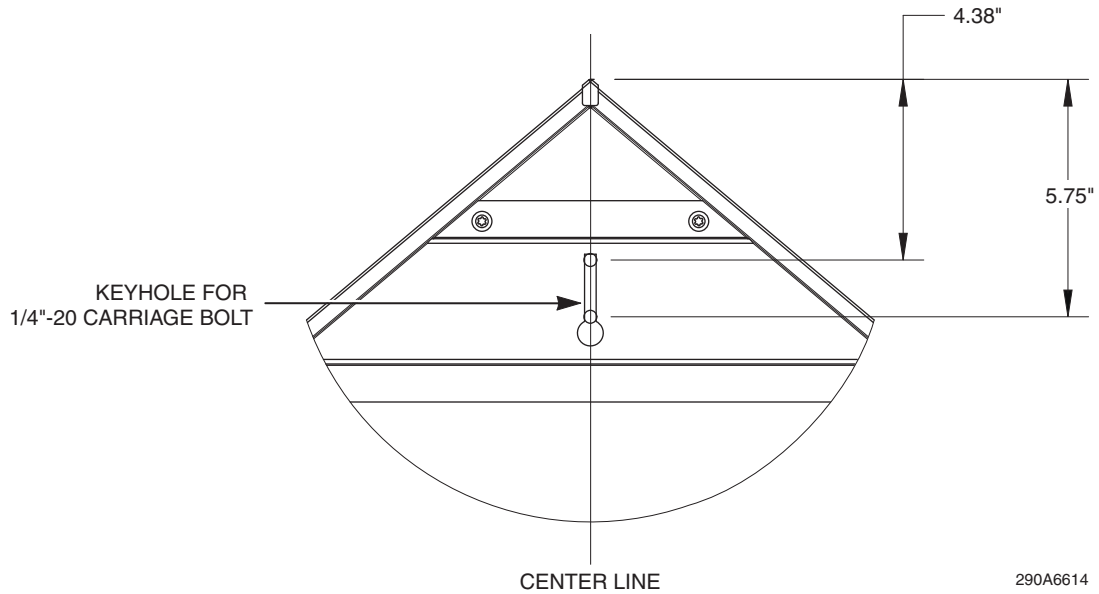
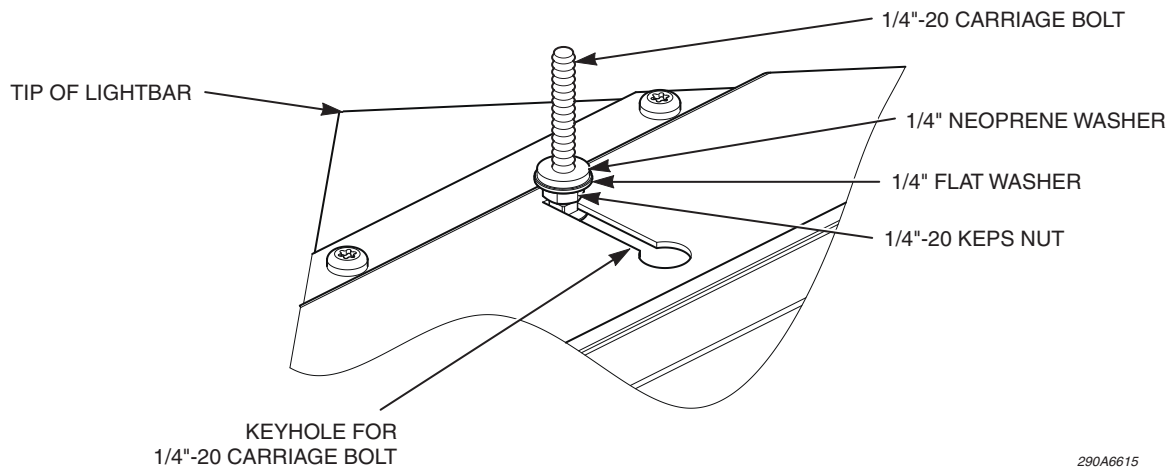


Figure 2 Mounting hardware installed in keyhole



Installing the Lightbar on the Vehicle

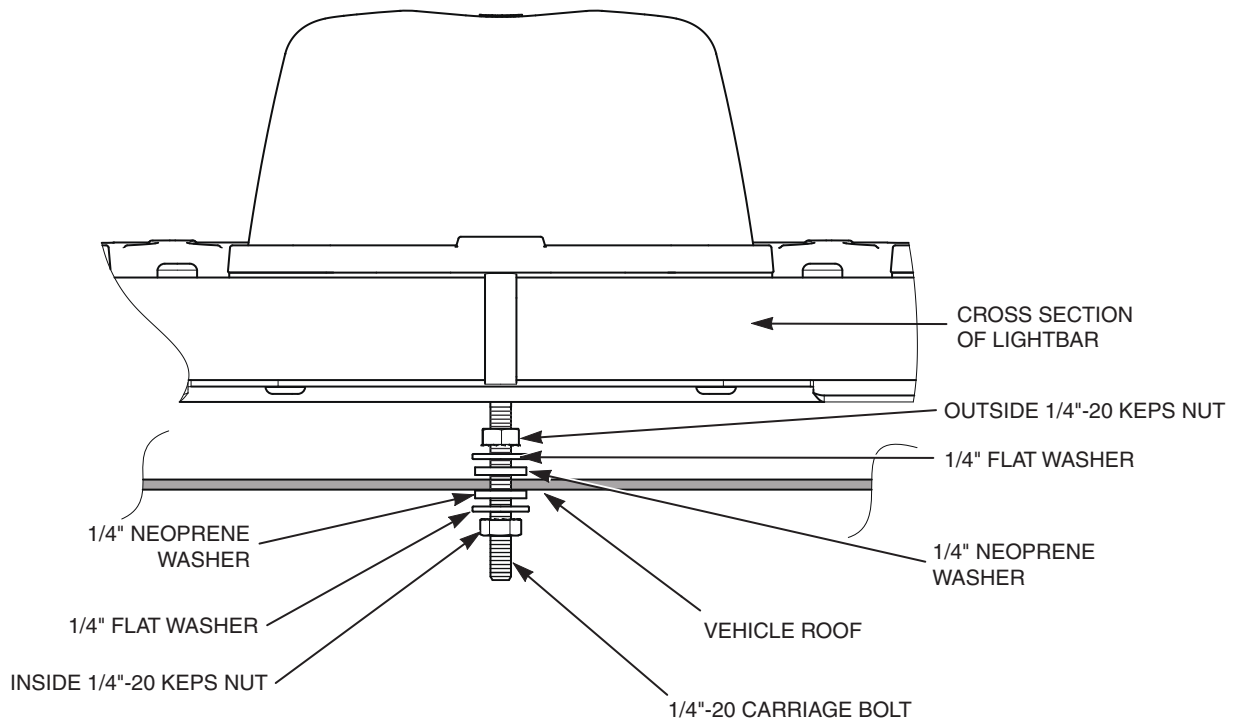
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HEAVY OBJECT—Use lifting aids and proper lifting techniques when removing or replacing the lightbar. Failure to follow this warning may cause personal injury.

To install the lightbar on the vehicle:

1. Place the lightbar on the vehicle while guiding the carriage bolt into the 5/16" hole. Complete the installation as detailed in the instructions for the Hook-On (Doc. No. 2452541) or Permanent Mounting Kit (Doc. No. 2562542).
2. Verify that the lightbar is level, then twist the outside Keps nut down on the neoprene washer so the washer meets the roof.
3. From inside of the vehicle, install a neoprene washer, a flat washer, and Keps nut on the carriage bolt (Figure 3).
4. Tighten the inside Keps nut until the washer begins to bulge. **Do not exceed 60 in-lb.**
5. Cut the bolt flush with the inside Keps nut.

Figure 3 Location of keyhole in lightbar base for carriage bolt



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Ordering Replacement Parts

To order replacement parts, please contact your local dealer/distributor or:

Federal Signal Corporation Customer Support:

Phone: 1-800-264-3578

7 a.m. to 5 p.m., Monday through Friday (CT)

Getting Technical Support and Service

Federal Signal will service the Vision SLR lightbar for you. If you are experiencing problems, please contact:

Service Department

Federal Signal Corporation

Phone: 1-800-433-9132

Fax: 1-800-343-9706

Email: empserviceinfo@fedsig.com

7 a.m. to 5 p.m., Monday through Friday (CT)

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: # _____

Vision™ is a trademark of Federal Signal Corporation
Keps is a trademark of ITW Shakeproof



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