

25500018A REV. A1 0420

## 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 the lighting system, you must have a good understanding of automotive systems, along with proficiency in the installation and use of safety warning equipment.
- Do not install equipment or route wiring in the deployment path of an airbag.
- If a vehicle seat is temporarily removed, verify with the vehicle manufacturer if the seat needs to be recalibrated for proper airbag deployment.
- Frequently inspect the light system to ensure that it is operating properly and that it is securely attached to the vehicle.
- When drilling into a vehicle structure, ensure that both sides of the surface are clear of anything that could be damaged.
- Do not stare directly into the lights at a close range, or permanent damage to your eyesight may occur.
- 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 and/or reinstalling the product.

Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death.

## Product Overview

This publication has instructions for permanently mounting the Split Vision SLR to a vehicle with adjustable mounting feet. One kit is supplied with VSLR3 and two kits with VSLR6 and VSLR8 models. For electrical installation instructions, refer to the installation and maintenance instructions packed with the light bar.

## 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 the damage. Carefully check all envelopes, shipping labels, and tags before removing or destroying them. Ensure that the parts in the Kit Contents List 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 Mounting kit contents**

Qty.	Description	Part Number
4	Screw, 1/4 in x 3/4 in, Type AB, HWH, SS BLK OX	7011183-12
8	Pad, Mounting, Rubber	8422A033
4	Nut, Hex, 3/8-16, HCR	7059124
4	Washer, 3/8 in, Stainless Steel	7072A035
4	Lockwasher, Split, 3/8 in, Stainless Steel	7074A046
1	Bracket, Mounting, LH, Adjustable	865200099
1	Bracket, Mounting, RH, Adjustable	865200098
2	Bracket, Mounting, Upper	865200097
4	1/4-20 x 3/4 in, Carriage Bolt	7004A020-12
4	1/4 in Washer, Flat	7072A024
4	1/4-20, Nut, El-Stop	7058A020

One kit is supplied with VSLR3, and two kits with VSLR6 and VSLR8 models.

### Installing the Mounting Brackets on the Light Bar

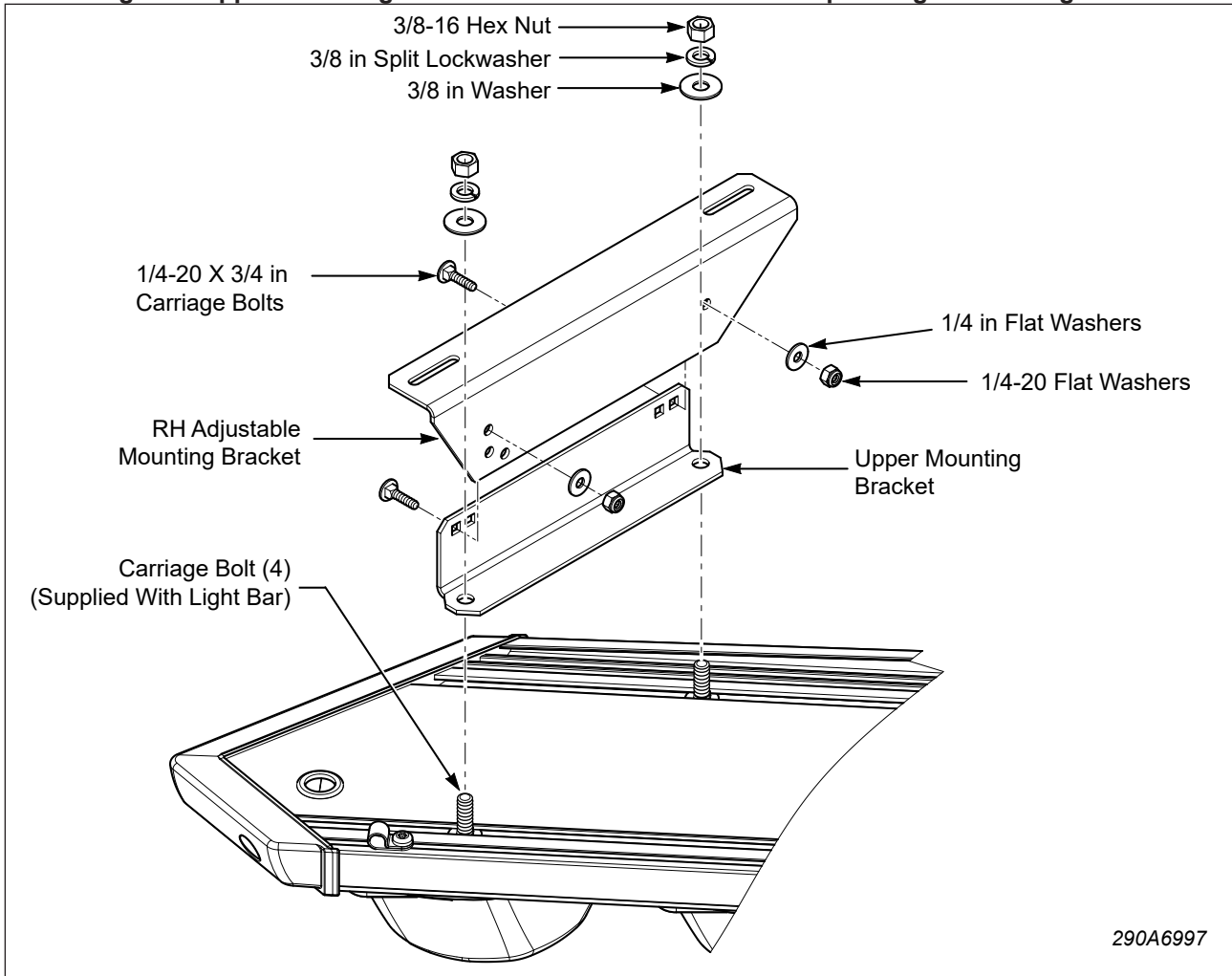
#### **⚠ WARNING**

**HEAVY OBJECT:** Use lifting aids and proper lifting techniques when removing or replacing the light bar. Failure to follow this warning may cause personal injury.

To install the mounting brackets on light bar:

1. Carefully turn the light assembly upside down and place it on a surface that will not scratch the domes.
2. See Figure 1. Secure an upper mounting bracket to each of the adjustable mounting brackets using the 1/4-20 by 3/4-inch carriage bolts, 1/4-inch flat washers, and 1/4-inch elastic stop nuts.
3. Assemble the LH and RH adjustable mounting bracket on the factory-installed carriage bolts using 3/8-16 hex nuts, 3/8-inch flat washers, and 3/8-inch split lockwashers as shown in Figure 1. Secure the brackets in position and torque the nuts to 20 ft-lb.

Figure 1 Upper mounting bracket and RH bracket attached to passenger side of light bar



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4. For the Model VSLR6 and VSLR8, repeat steps 1 though 3 on the other split half of the light bar.

### Installing the Light Bar on the Vehicle

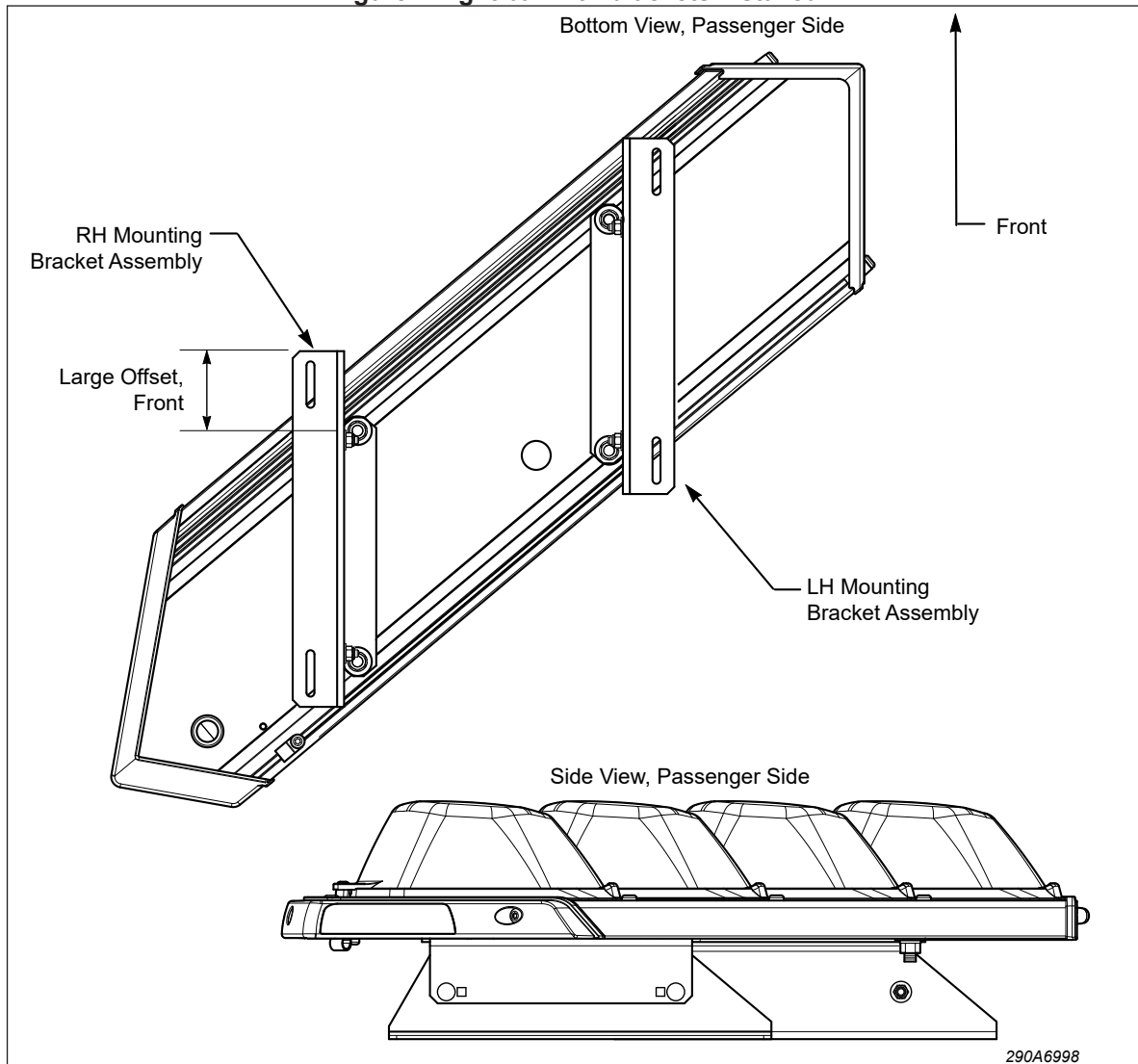
To install the light bar on the vehicle.

#### **⚠ 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 holes can be drilled without going through this member.*

1. Position the light bar on the vehicle roof at the desired location. The light bar should be positioned with the pods aligned facing forward. In addition, ensure that the light bar does not interfere with the operation of other apparatus. See Figure 2.

Figure 2 Light bar with brackets installed



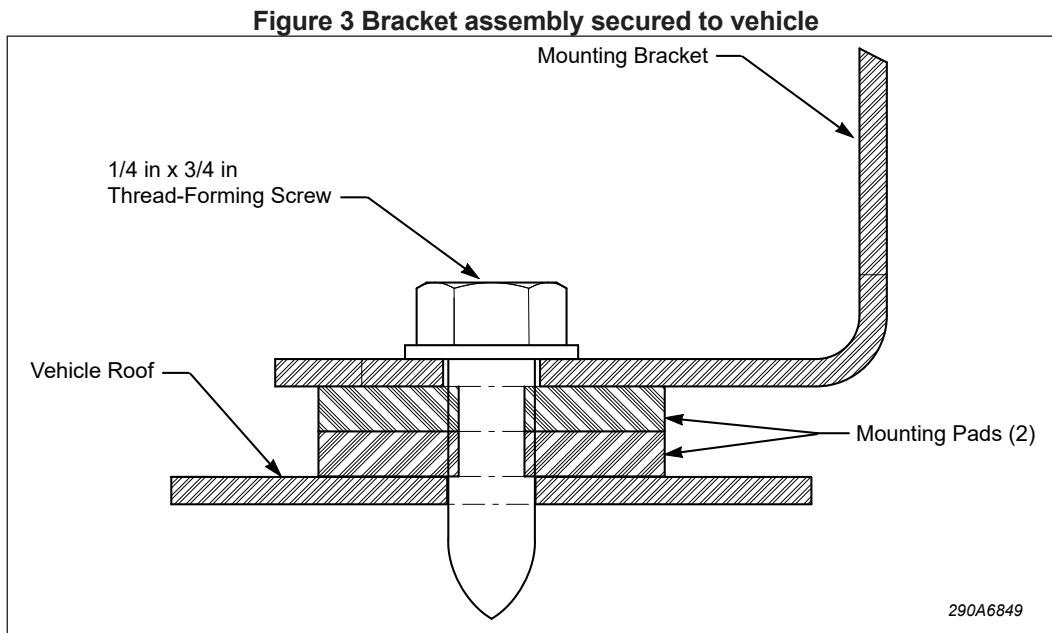
2. Using the mounting brackets as templates, scribe four drill position marks on the mounting surface.
3. For VSLR6 and VSLR8 models, repeat steps 1 and 2 on the other split half of the light bar.

**NOTICE**

**DRILLING PRECAUTIONS:** When drilling holes, check the area you are drilling into to ensure that 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.

4. Before drilling, move the light bar(s) out of the way. Drill 0.199-inch (#8 drill) diameter holes at the scribed drill-position marks.
5. Place the light bar in position on the roof. Insert two mounting pads between the roof and the mounting bracket at each hole.

- Secure the light bar to the roof using the 1/4-inch by 3/4-inch black stainless steel thread-forming screws and tighten them securely. The Split Vision SLR should now be solidly anchored to the roof. See Figure 3.



- Ensure that all fasteners are properly tightened.

**IMPORTANT:** Frequently inspect the light bar to ensure that all fasteners and brackets are tight.

**Getting Technical Support**

For technical support, please contact:

Federal Signal Corporation  
Service Department  
Phone: 1-800-433-9132  
Email: [empserviceinfo@fedsig.com](mailto:empserviceinfo@fedsig.com)

**Getting Repair Service**

The Federal Signal factory provides technical assistance with any problems that cannot be handled locally. Any product returned to Federal Signal for service, inspection, or repair must be accompanied by a Return Material Authorization (RMA). Obtain a RMA from a local Distributor or Manufacturer's Representative. Provide a brief explanation of the service requested, or the nature of the malfunction.

Address all communications and shipments to the following:

Federal Signal Corporation  
Service Department  
2645 Federal Signal Dr.  
University Park, IL 60484-3167

## **Limited Warranty**

This product is subject to and covered by a limited warranty, a copy of which can be found at [www.fedsig.com/SSG-Warranty](http://www.fedsig.com/SSG-Warranty). A copy of this limited warranty can also be obtained by written request to Federal Signal Corporation, 2645 Federal Signal Drive, University Park, IL 60484, email to [info@fedsig.com](mailto:info@fedsig.com) or call +1 708-534-3400.

This limited warranty is in lieu of all other warranties, express or implied, contractual or statutory, including, but not limited to the warranty of merchantability, warranty of fitness for a particular purpose and any warranty against failure of its essential purpose.



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[www.fedsig.com](http://www.fedsig.com)

Customer Support

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