

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.
- 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.
- You should 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, be sure that both sides of the surface are clear of anything that could be damaged.
- 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.
- Do not stare directly into the lights at a close range or permanent damage to your eyesight may occur.

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 lightbar.

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 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

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

Qty.	Description	Part Number
4	Screw, 1/4" x 3/4", 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", S.S	7072A035
4	Lockwasher, Split, 3/8", S.S.	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", Carriage Bolt	7004A020-12
4	1/4" Washer, Flat	7072A024
4	1/4"-20, Nut, El-Stop	7058A020

Installing the Mounting Brackets on 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.

To install the mounting brackets on lightbar:

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 x 3/4" carriage bolts, 1/4" flat washers, and 1/4" 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" flat washers, and 3/8" split lockwashers as shown in Figures 1. Secure the brackets in position and torque the nuts to 20 ft-lb.
4. For the Model VSLR6 and VSLR8, repeat steps 1 through 3 on the other split half of the lightbar.

Installing the Lightbar on the Vehicle

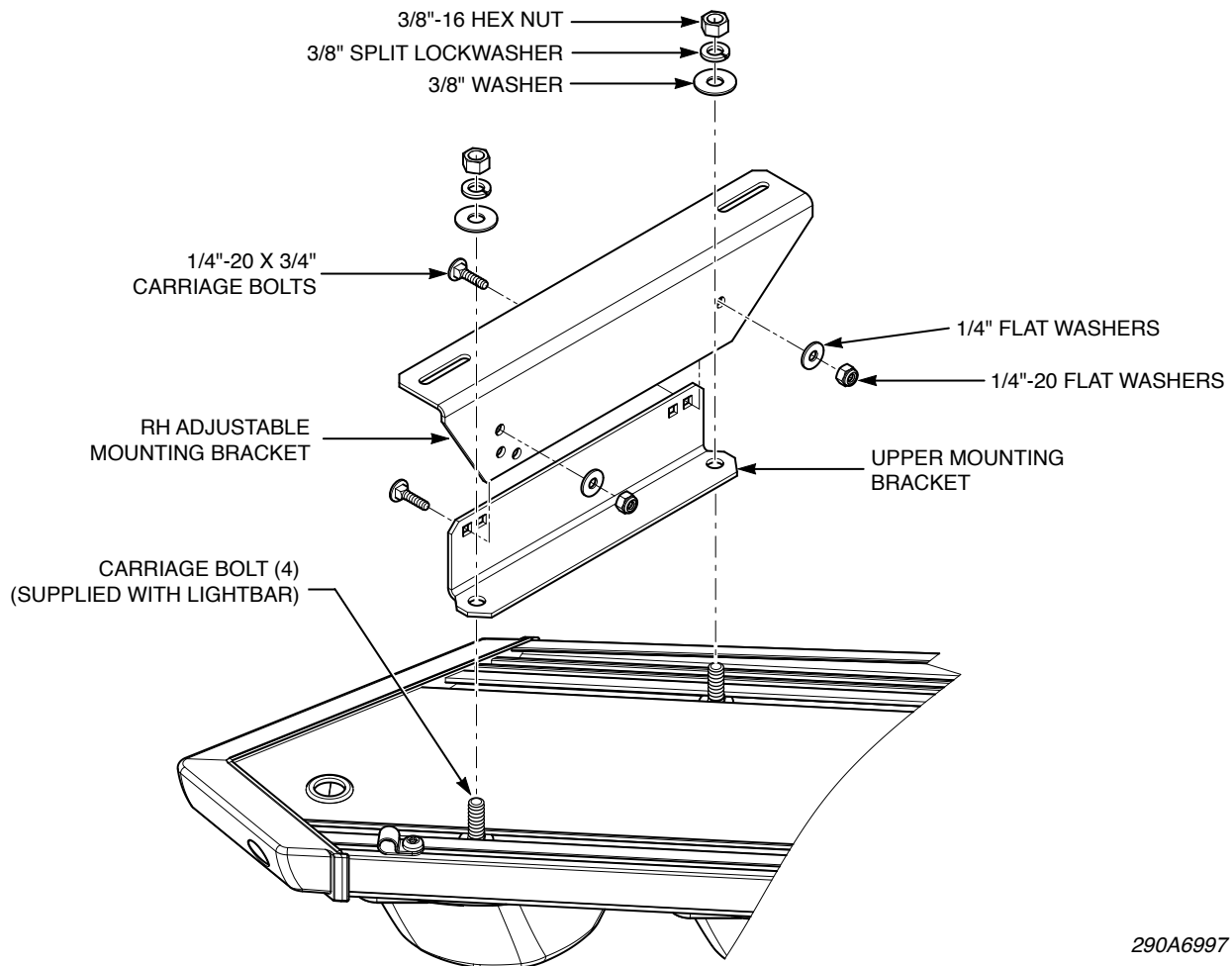
To install the lightbar on the vehicle.

⚠ 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. See Figure 2 on page 4. Position the lightbar on the vehicle roof at the desired location. The lightbar should be positioned with the pods aligned facing forward. In addition, ensure that the lightbar does not interfere with the operation of other apparatus.
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 lightbar.

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



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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

4. Before drilling, move the lightbar(s) out of the way. Drill 0.199" (#8 drill) diameter holes at the scribed drill-position marks.
5. Place the lightbar in position on the roof. Insert two mounting pads between the roof and the mounting bracket at each hole.
6. See Figure 3. Secure the lightbar to the roof using the 1/4" x 3/4" black stainless steel thread-forming screws and tighten them securely. The Split Vision SLR should now be solidly anchored to the roof.
7. Ensure that all fasteners are properly tightened.

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

Figure 2 Lightbar with brackets installed

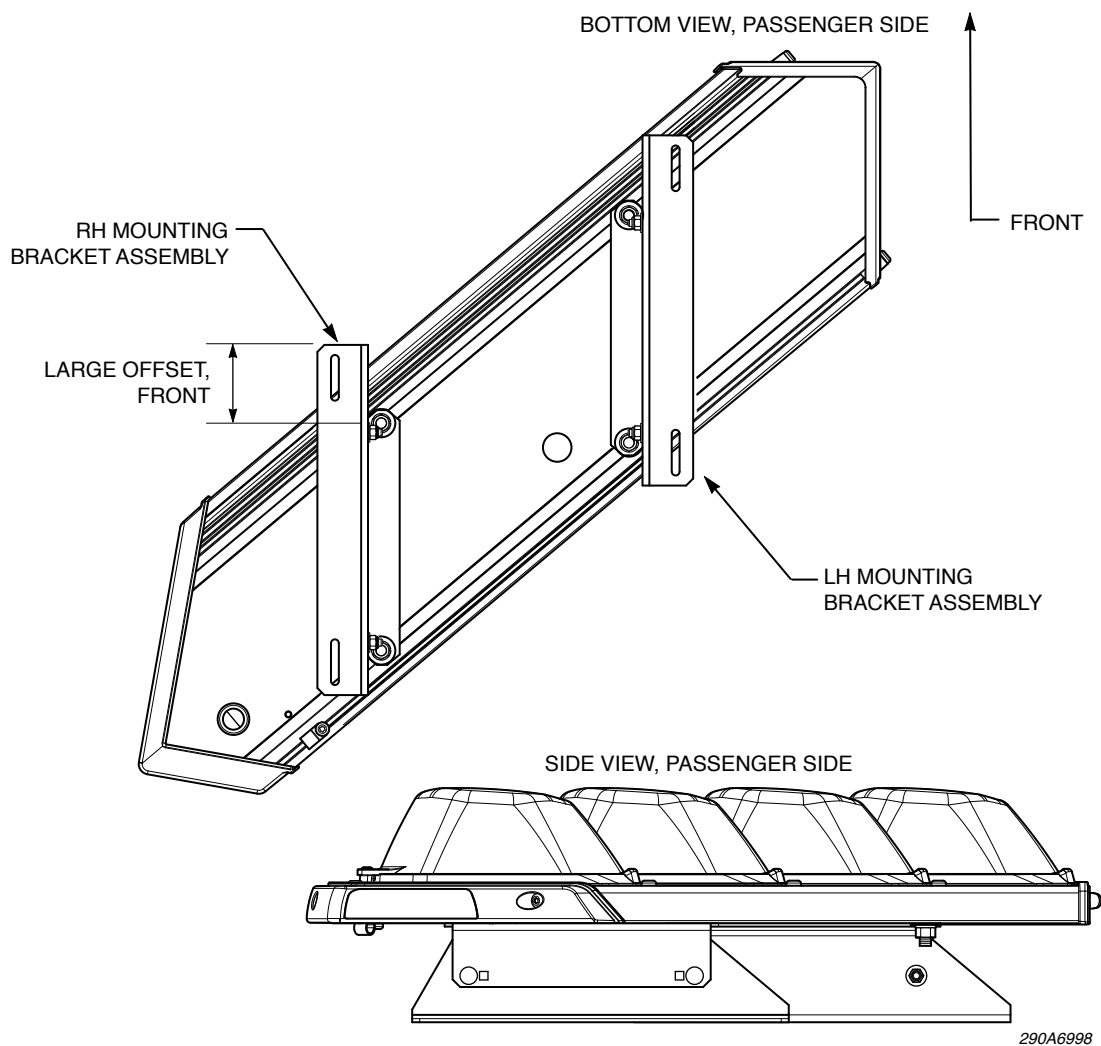
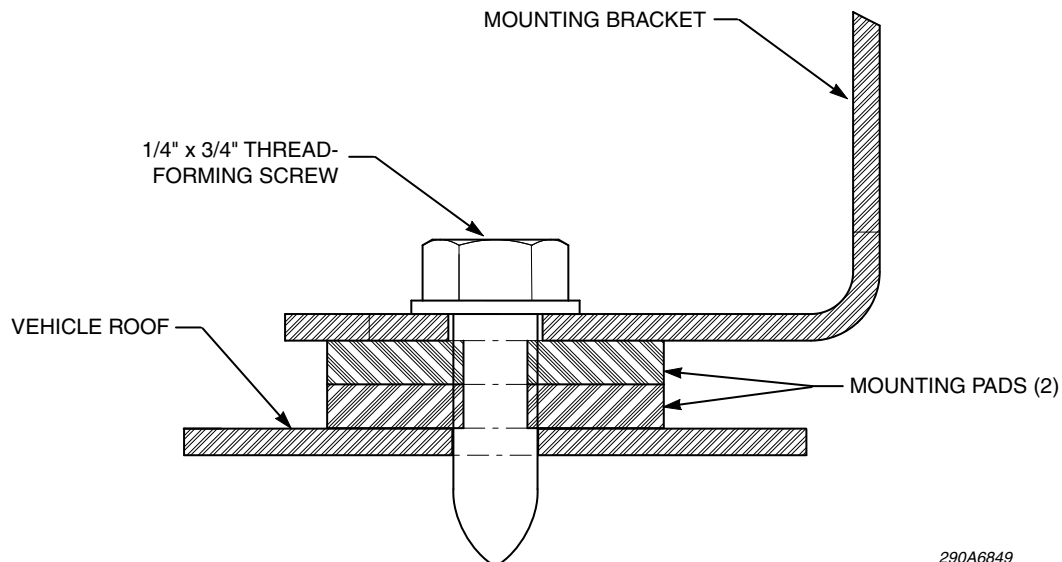


Figure 3 Bracket assembly secured to vehicle



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