

2562356A REV. A 1109

Safety Message to Installers of Warning Light Equipment

⚠ WARNING

People's lives depend on your safe installation of our products. It is important to read, understand, and follow all instructions shipped with this product and the related add-on products. 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.
- 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 the contents have been damaged, do not install the kit. 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 listed in Table 1 are included in the package.

Table 1: Kit contents

Qty.	Description	Part Number
8	Bolt, Carriage, 5/16-18 x 1"	7004025-16
4	Bolt, Carriage, 3/8-16 x 4"	8542544
8	Washer, Flat, 5/16"	7072A031
4	Washer, Lock, 3/8" Split,	7074A046
4	Nut, Hex, 3/8-16	7057A032
8	Nut, Stop, Elastic, 5/16-18	7058A011
2	Bracket, Mounting	8653166

Preparing the Mounting Surface

Refer to the installation and maintenance instructions included with the lightbar for electrical installation instructions. Plan all cable routing before the installation.

⚠ WARNING

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. Center the lightbar assembly on the flat mounting surface as shown in Figure 1.

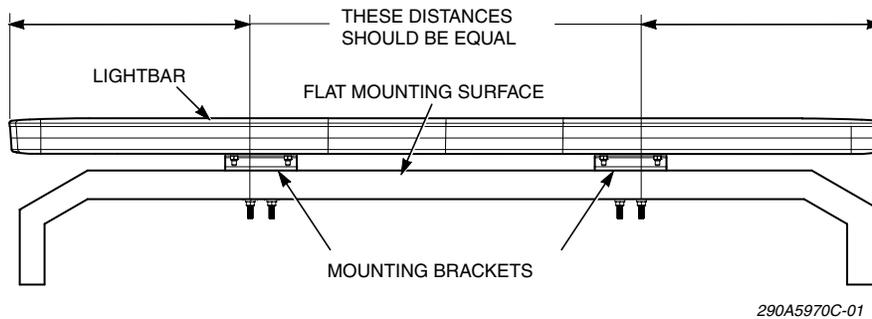


Figure 1: Lightbar centered on the vehicle roof

2. Scribe a drill-position mark NO MORE THAN 14 inches in from the end of the lightbar (Figure 2). Repeat this step on the other end of the lightbar.
3. Scribe another drill-position mark 1-1/2 inch in from the previously scribed drill-position mark. Repeat this step on the other end of the lightbar.

NOTICE

DRILLING PRECAUTIONS

When drilling holes check the area you are drilling into 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. Drill a 13/32-inch hole at each of the four drill-position marks.

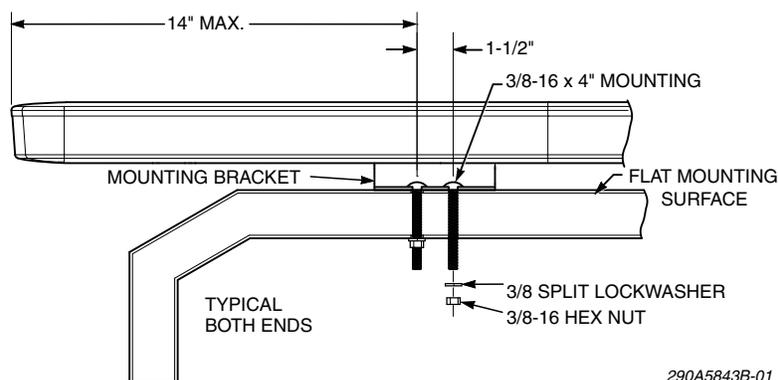


Figure 2: Distances in from the end of the lightbar

Mounting the Lightbar

1. Carefully turn the lightbar upside down on soft rags or cardboard to prevent scratching the domes.
2. Insert the eight 1-inch mounting bolts into the bottom of the aluminum extrusion using the keyhole at the center of each channel. Four bolts go in each channel (Figure 3).

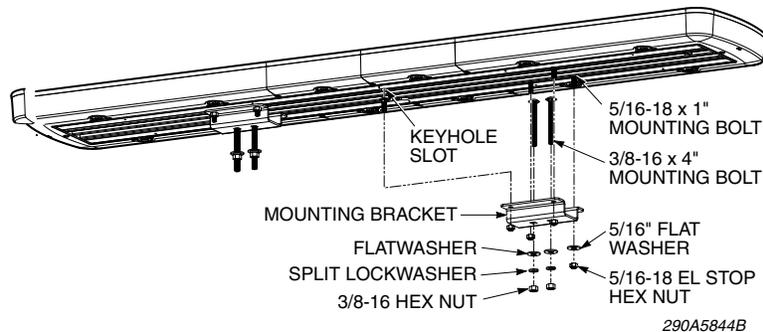


Figure 3: Hardware for Flat Surface Mount Kit

3. Insert the four 4-inch mounting bolts into the mounting brackets and place the brackets on the bottom of the lightbar.
4. Secure the mounting brackets to the lightbar using the 5/16-18 stop nuts and the 5/16-inch flat washers, making sure the 4-inch mounting bolts line up with the drilled holes.
5. Turn the lightbar back to the upright position and insert the 4-inch mounting bolts into the drilled holes.
6. Secure the lightbar assembly to the flat mounting surface using the 3/8 split lock washers and the 3/8-16 hex nuts.

IMPORTANT: Clean and lightly oil the mounting bolts. Torque the 3/8" mounting bolts 150 in-lb to 175 in-lb. Torque the 5/16" mounting bolts 120 in-lb to 132 in-lb.

Ordering Replacement Parts

To order replacement parts, call Customer Support at 1-800-264-3578, 7 AM to 5 PM, Monday through Friday (CT) or contact your nearest distributor.

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.

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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: # _____



2645 Federal Signal Drive, University Park, IL 60484-3167
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