

2562134A 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 instructions 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.

Overview

This publication provides additional instructions for a separately-purchased mounting system for Federal Signal lightbars on the 2003–2007 Dodge Ram Quad cab and the 2007 Dodge Ram Mega cab. The installation of the Model HK-MMQ4 hook kit requires the use of parts from the mounting system. Before proceeding, read and understand all instructions included with the mounting system.

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
2	Hook	8552779
6	Screw, #10 Thd. Frm.	7011A119-08
2	Pad, Mounting	8552492

Preparing the Mounting Surface

⚠ 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.

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

1. Place the lightbar assembly on the vehicle roof at the selected location. Usually the lightbar assembly should be installed approximately over the driver's head. Refer to the instructions included with the mounting system for additional information.

NOTICE

WATER LEAKAGE

Water may leak into the vehicle interior if the hook is improperly positioned. Ensure that the hook is positioned above or near the door post.

2. Determine where the hook will attach to the vehicle (Figure 1).

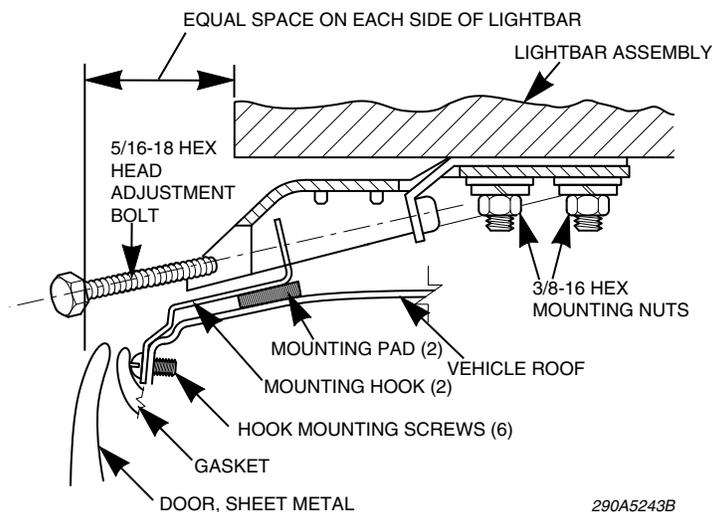


Figure 1: Lightbar attached to vehicle with hook kit

NOTICE

DOOR GUTTER GASKETS

Use care to avoid damaging the door gutter gaskets. They will be reused.

3. Slide the door gutter gasket off the roof sheet metal just enough to place the hook in position. Place the hook in position on the roof sheet metal as shown in Figure 1.
4. Use the hook as a template to mark the two hole locations.

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.

5. Drill three 0.147" diameter holes (#26 drill bit) at the marked locations.
6. Apply a silicone sealant around the holes before attaching the hook.

Installing the Hook

1. To protect the roof surface, peel the packing from the adhesive mounting pad and attach the pad to the bottom of the hook (Figure 1 on page 2).
2. Secure the hook using three sheet metal screws provided (#10 thread-forming) as shown in Figure 1.
3. Attach the hook to the mounting bracket using the appropriate length 5/16-18 hex head bolt. Tighten the bolt only finger-tight at this time.
4. Prepare and attach the other hook in the same way as you did the first hook.

⚠ CAUTION

SECURE MOUNTING (LEGEND MODEL LIGHTBARS ONLY)

Ensure that the mounting-bolt keeper plates are securely installed and that the hook adjustment bolts are torqued 6 ft-lb to 7 ft-lb. 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 use only the supplied mounting kit hardware.

If the mounting kit is improperly assembled, the lightbar assembly could fly off the vehicle causing injury or damage.

⚠ CAUTION

SECURE MOUNTING (LIGHTBAR MODELS OTHER THAN LEGEND)

Ensure that the mounting-bolt keeper plates are securely installed and that the hook adjustment bolts are torqued 10 ft-lb to 11 ft-lb. 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 use only the supplied mounting kit hardware.

If the mounting kit is improperly assembled, the lightbar assembly could fly off the vehicle causing injury or damage.

5. On Legend lightbars torque each hook adjustment bolt 6 ft-lb to 7 ft-lb. On all other models of lightbars torque each hook-adjustment bolt 10 ft-lb to 11 ft-lb.
6. Reinstall the door gutter gaskets over the roof sheet metal and the portion of the hook that clamps onto the roof sheet metal.

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

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:

4 **Model HK-RMQ4 Hook Kit**

- 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: # _____



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