

## 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.
- 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, ensure 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 precautions and instructions may result in property damage, serious injury, or death.

## Introduction

This publication has instructions for using the MBK03H Mounting Kit to mount the MB1 Message Board to a hook-mounted Valor light bar. It is designed for hardwired Valor light bars and will not clear the optional Valor Quick Disconnect.

**NOTE:** This bracket kit is installed using hardware supplied with the Valor light bar and MB1 Message Board. Depending on the application and mounting height, the 3-1/2-inch long, 5/16-18 bolts supplied with the light bar for the gutter hook may be too short. Longer bolts are available from leading hardware suppliers.

## 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 listed in Table 1 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 Kit contents**

| Qty. | Description                                    | Part Number  |
|------|--|--------------|
| 1    | Bracket, MB1, Valor, Mounting, Driver Side     | 865101106-DS |
| 1    | Bracket, MB1, Valor, Mounting, Passenger Side  | 865101106-PS |
| 4    | Bracket Assembly, Adjustable Foot, Tall, Valor | 865101108    |

See note on page 3.

## Mounting the Message Board

**⚠ WARNING**

**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 or death.

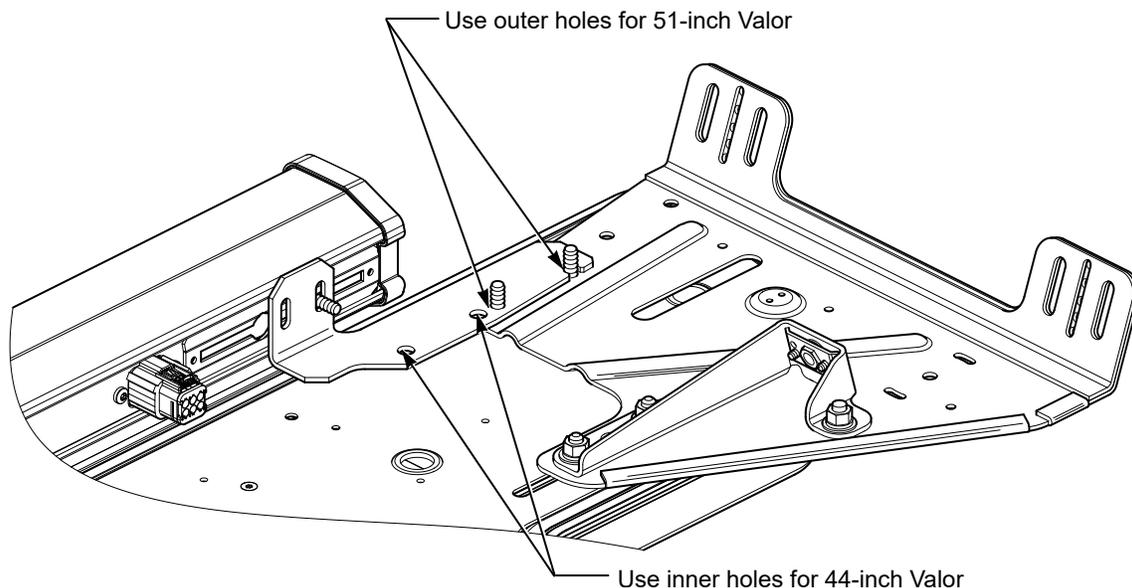
**⚠ WARNING**

**DRILLING PRECAUTIONS:** Before drilling holes, check the area into which you plan to drill to ensure that you do not damage vehicle components. All drilled holes should be de-burred and all sharp edges should be smoothed. All wires going through drilled holes should be protected by grommet or convolute/split-loom tubing.

To mount the MB1 Message Board to the Valor light bar:

1. Before installing the light bar, remove the 5/16-inch nuts and washers on the rear of the Valor mounts. Install the MB1 mounting brackets as shown in Figure 1. Reinstall the nuts and washers.

**Figure 1 Message Board/Valor (passenger-side view)**



2. Install the Adjustable Foot Brackets as described in the Hook-Mount instructions (doc number 2562550), substituting the Tall Adjustable Foot Brackets supplied with MBK03H kit for the shorter ones supplied with the light bar.
3. Prepare the Valor for hook-on mounting as described in the hook mount instructions (doc number 2562550).

4. After adjusting the mounting feet, insert the 1/4-20 carriage bolts head first into the access holes on the back of the message board. Slide them into position to receive the MB1 brackets. See Figure 1.
5. To avoid the access holes, secure the message board to the bolts through the inner or outer slots on the MB1 brackets with the supplied 1/4-20 nuts and washers.

**NOTE:** In some cases, depending on the application and desired mounting height, the 3-1/2-inch long 5/16-18 bolts supplied with the light bar for the gutter hook may be too short. Longer bolts are available from leading hardware suppliers.

6. Finish hook mounting the Valor on the vehicle according to the hook mount instructions.
7. Complete the wiring according to the instructions supplied with the light bar and Message Board.

**⚠ WARNING**

**LIGHT HAZARD:** *To be an effective warning device, this product produces bright light that can be hazardous to your eyesight when viewed at a close range. Do not stare directly into this lighting product at a close range or permanent damage to your eyesight may occur.*

8. Test the lights for proper operation.

### **Getting Technical Support**

For technical support, please contact:

Federal Signal Corporation  
Service Department  
Phone: 1-800-433-9132  
Fax: 1-800-343-9706  
Email: emp-service-info@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

Police/Fire-EMS: 800-264-3578 • +1 708 534-3400

Work Truck: 800-824-0254 • +1 708 534-3400

Technical Support: 800-433-9132 • +1 708 534-3400

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