



FEDERAL SIGNAL
Safety and Security Systems

Low Hook-On Mounting Kit for Integrity[®], Legend[®], and Navigator[®]

Installation Instructions

25500377
Rev. A0 0117
Printed in U.S.A.

© 2017 Federal Signal Corporation. All rights reserved.

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. 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 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.



FEDERAL SIGNAL
Safety and Security Systems

2645 Federal Signal Drive
University Park, Illinois 60484-3167

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

Contents

| | |
|---|----|
| Safety Messages to Installers and Users of Warning Light Equipment | 4 |
| Introduction | 5 |
| Unpacking the Kit | 5 |
| Preparing the Mounting Plate Assembly | 6 |
| Installing the Mounting Foot on the Lightbar | 6 |
| Installing the Lightbar on the Vehicle Roof | 8 |
| Getting Technical Support and Service | 10 |
| Getting Repair Service | 10 |
| Ordering Replacement Parts | 10 |

Tables

| | |
|----------------------------------|---|
| Table 1 Kit Contents..... | 5 |
|----------------------------------|---|

Figures

| | |
|---|---|
| Figure 1 Preparing the mounting plate | 6 |
| Figure 2 Securing the foot to the lightbar | 7 |
| Figure 3 Inboard position for the mounting foot on the vehicle | 8 |
| Figure 4 Outboard position for the mounting foot on the vehicle..... | 8 |

Safety Messages to Installers and Users 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 the products. 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.
- 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.
- Refer to the instructions included with the light system for the proper electrical connections.
- 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 packed 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.

Introduction

This publication provides instructions for installing the Low Hook-On Mounting Kit. A vehicle-specific mounting hook that completes the installation is purchased separately.

Unpacking the Kit

After unpacking the product, 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 listed in Table 1 are included in the package.

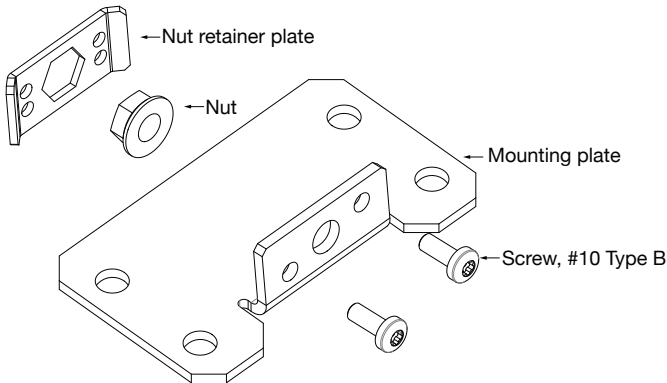
Table 1 Kit Contents

| Qty. | Description | Part Number |
|-------------|--|--------------------|
| 2 | Foot, Low, Intg | 864901847 |
| 4 | Pad, Low Foot, Intg | 864901848 |
| 8 | Spacer, Low Foot, Intg | 864901849 |
| 2 | Plate, Mtg, Low, Intg | 864901850 |
| 2 | Retainer, Nut | 8583490 |
| 8 | Screw, Plastite Eq, #10 6 Lobe, Stl, Black | 70000612-12 |
| 8 | Bolt, Crg, 5/16-18, Sqr Neck | 7004025-14 |
| 8 | Nut, 5/16-18, Hi-Corr. Resi | 7059125 |
| 8 | Wash, Flat, stainless steel, .344X3/4X.050 | 7072A031 |
| 8 | Lockwasher, Split 5/16 screw stainless steel | 7074A020 |
| 2 | Nut, Flange, 5/16-18, Hi-Corr. Resi | 7065078 |
| 4 | Screw, #10 Type B, 6 Lobe, Stl, Black | 7011246-08 |

Preparing the Mounting Plate Assembly

Secure the flange nut to the mounting plate using the nut retainer and two #10 Type B screws. Do not overtighten. Repeat for other side. (Figure 1).

Figure 1 Preparing the mounting plate



Installing the Mounting Foot on the Lightbar

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

⚠ WARNING

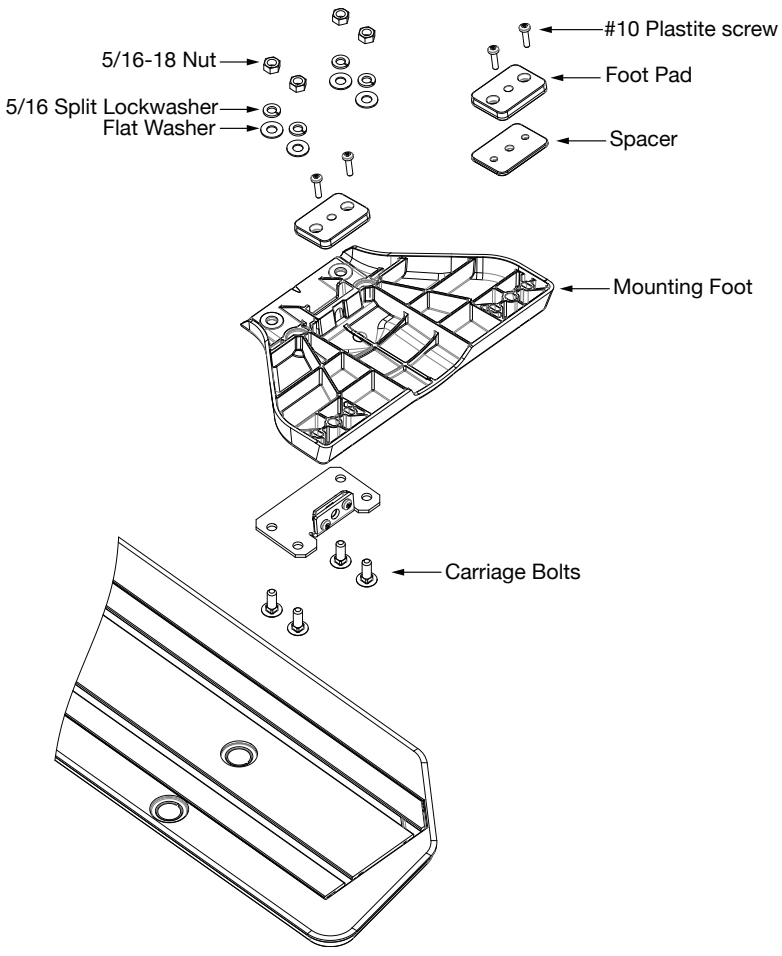
HEAVY OBJECT: Use lifting aids and proper lifting techniques when removing or replacing this product. Failure to follow this warning may cause personal injury.

To install the mounting foot on the lightbar:

1. Place the lightbar upside down on soft rags or cardboard to avoid marring the plastic domes.
2. Insert two 5/16-18 carriage bolts into each track (four total) through the center access holes in the lightbar (Figure 2).
3. Position the bolts to match the holes in the mounting foot.
4. Place the prepared mounting plate assembly and foot over the four carriage bolts. Install four flat washers, lock washers, and 5/16-18 nuts on the carriage bolts, leaving the nuts just loose

enough to reposition the mounting foot. Do not tighten the nuts yet.

Figure 2 Securing the foot to the lightbar



Installation Instructions

Figure 3 Inboard position for the mounting foot on the vehicle

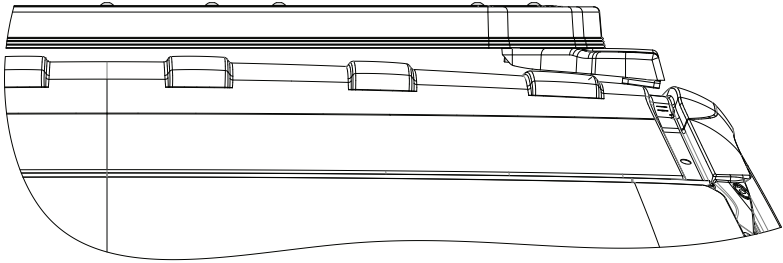
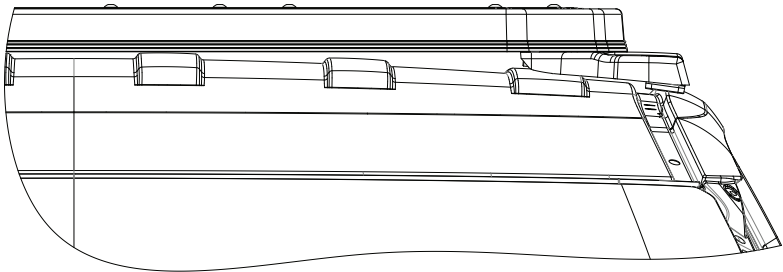


Figure 4 Outboard position for the mounting foot on the vehicle



5. Start with a pad on the rear and one spacer and one pad to the front and temporarily attach them to the mounting foot with tape.
6. Repeat steps 1 through 5 on the other side of the lightbar.

Installing the Lightbar on the Vehicle Roof

To install the lightbar on the vehical roof:

1. Place the lightbar assembly on the vehicle roof at the selected location. Usually the lightbar assembly should be installed so that the mounting hooks attach at the door center post (B-pillar). Before proceeding, see the instructions provided with the separately purchased mounting hook kit.
2. Adjust both mounting foot assemblies in or out, as necessary, until the foot pads rest near the edge of the roof or gutter where the roof is the most rigid (Figures 3 and 4).

3. Check that the lightbar is level. To level it, use additional spacers and/or reposition the lightbar assembly slightly forward or backward. Verify there is no contact that may mar or damage the roof. Add spacers as necessary. If adequate clearance cannot be obtained, use the standard mount foot kit (8653134).
4. Remove the lightbar from the vehicle roof and place it on soft rags or cardboard to avoid marring the plastic domes.

NOTICE

PROPERLY TIGHTEN NUTS: To avoid damaging the lightbar, do not overtighten the nuts.

5. Turn the lightbar over so that the bottom faces up. Torque the nuts on the four 5/16" bolts on each mounting foot 120 in-lb to 132 in-lb.
6. Secure the foot pads and spacers with the #10 Plastite screws.
7. Place the lightbar on the vehicle roof in the selected position.
8. To fasten the mounting hook, refer to the instructions included with the Keeper Plate Kit.

Getting Technical Support and Service

For technical support and service, please contact:

Service Department

Federal Signal Corporation

Phone: 1-800-433-9132

Fax: 1-800-343-9706

Email: empserviceinfo@fedsig.com

www.fedsig.com

Getting Repair Service

The Federal Signal factory provides technical assistance with any problems that cannot be handled locally.

Any units 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 Drive

University Park, IL 60484-3167

Ordering Replacement Parts

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



FEDERAL SIGNAL
Safety and Security Systems

2645 Federal Signal Drive
University Park, Illinois 60484-3167

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