

25500368 Rev. A0 1016

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 and siren systems, 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.
- Do not stare directly into the lights at a close range or permanent damage to your eyesight may occur.
- File these instructions in a safe place and refer to them when maintaining and/or reinstalling the product.

Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death.

Mounting Bracket for IMPAXX®

This publication has instructions for using the IPX-GRL13 Grille Light Mounting Kit to mount the IMPAXX 300, IMPAXX 600, Viper EXT, MicroPulse 3, MicroPulse 6, and MicroPulse 12 lightheads in the grille of the Chevy Traverse.

NOTE: For electrical installation instructions, refer to the Installation and Maintenance Instructions packed with the lighthead.

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. Disposal of all shipping materials must be carried out in accordance with national and local codes and standards. 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, Driver Side, IPX-MPS Grille, 16TRAV | 861301788-DS |
| 1 | Bracket, Passenger Side, IPX-MPS Grille, 16TRAV | 861301788-PS |
| 4 | Screw, 6-32, Phillips Pan-Head, SS | 7000491-08 |
| 4 | Nut, 6-32 KEPS, SS | 7058A046 |

Installing the Brackets

⚠ 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.

NOTICE

DRILLING PRECAUTION: When drilling holes, check the area you are drilling into to be sure you do not damage vehicle components. All drilled holes should be deburred 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.

IMPORTANT: Plan all cable routing before the installation.

To assemble the brackets and lighthead:

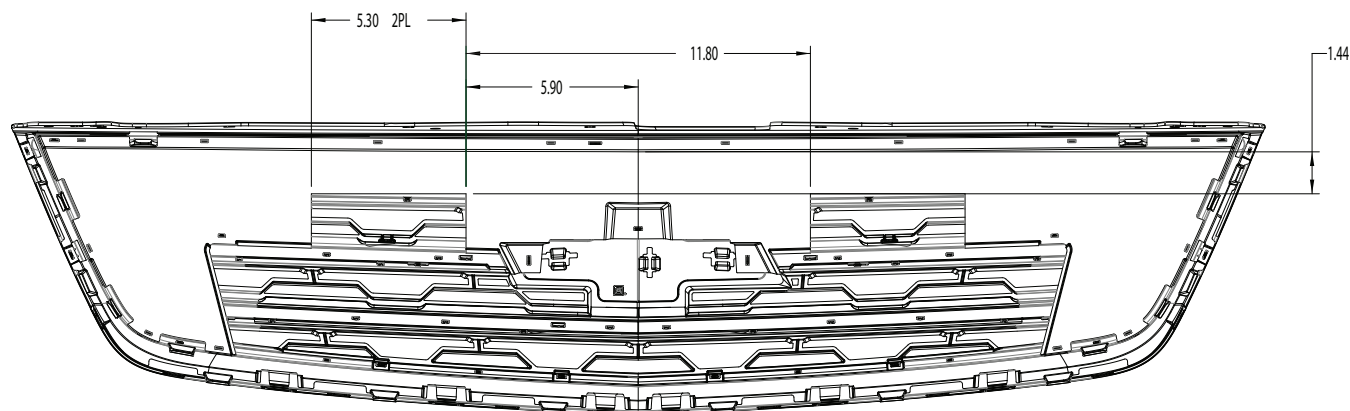
1. Attach the lighthead to the brackets.

For IPX600 and Viper EXT, use the hardware supplied with the lighthead.

For all others, use the 6-32 screws and Keps nuts included.

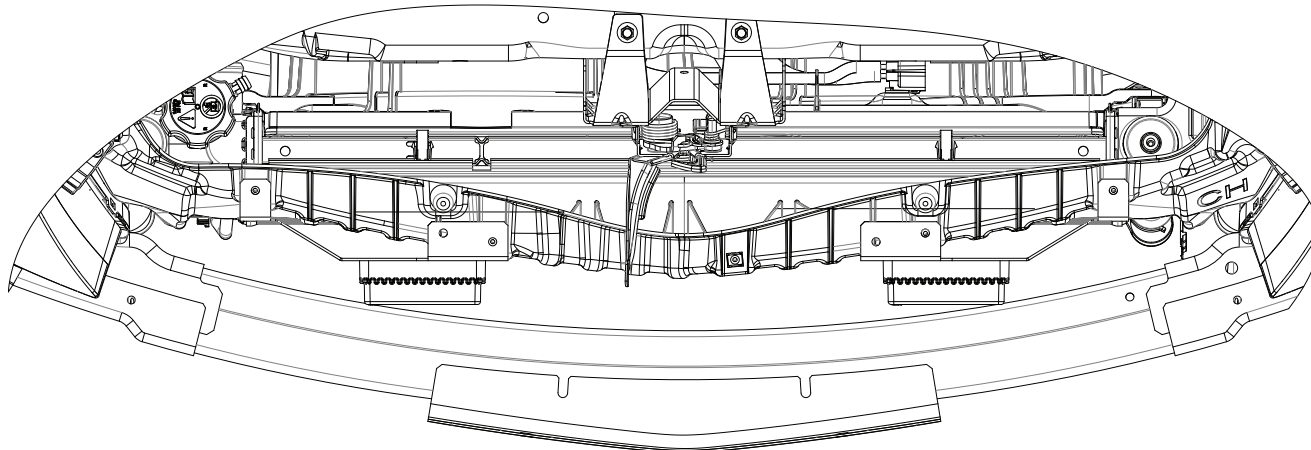
2. Remove the fascia according to the manufacturer's service manual to access the upper radiator core support.
3. Prepare the grille by cutting two openings in the baffle as shown in Figure 1 below.

Figure 1 Location and dimensions cutout in top of air baffle



4. Connect the lights as described in the instructions provided with the lights.
5. Position the bracket assemblies as shown in Figure 2 using the outermost hole for alignment. Use tape to help hold brackets while reinstalling the fascia.

Figure 2 Position the bracket assemblies



6. Reinstall fascia, with the screws securing the upper baffle also retaining the bracket assemblies.

⚠ WARNING

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

7. Test the lights for proper operation.
8. Reassemble vehicle per the manufacturer's service manual:

Testing the Installation

⚠ WARNING

SOUND HAZARD: *All effective sirens and horns produce loud sounds (120 dB) that may cause permanent hearing loss. Always minimize your exposure to siren sound and wear hearing protection. Do not sound the siren indoors or in enclosed areas where you and others will be exposed to the sound.*

After testing the flasher, test the emergency warning system to ensure that it is operating properly. Also test all vehicle functions, including horn operation, vehicle safety functions, and vehicle lighting systems to ensure proper operation. Ensure that the installation has not affected the vehicle operation or changed any vehicle safety functions or circuits. After testing is complete, provide a copy of these instructions to the instructional staff and all operating personnel.

Do not test the sound and light system of the vehicle while driving. Operating the vehicle warning systems may pose a hazard to the operator and other drivers if the systems do not function as expected. Test the vehicle only in a controlled environment.

Getting Technical Support

For technical support, please contact:

Federal Signal Corporation

Service Department

Phone: 1-800-433-9132

Fax: 1-800-343-9706

Email: empserviceinfo@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.



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