



25500326 Rev. A0 0516

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 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.
- When drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged.
- 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.
- 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 Kit for Grille Lights

This publication has instructions for using the IPX-GRL12 Grille Light Mounting Kit to mount the Impaxx® 300 and 600, Viper® EXT, and MicroPulse™ 300, 600, and 1200 lightheads in the grille of the Chevy Silverado SSV Police Truck. This bracket kit works in conjunction with the ESB-TAH15 speaker mount or as a standalone.

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 hardware

Qty.	Description	
1	Bracket, Driver Side, Grille, IPX-MPS, SIL15-16+	861301717-DS
1	Bracket, Passenger Side, Grille, IPX-MPS, SIL15-16+	861301717-PS
4	Screw, 6-32, Phillips Pan-Head, Stainless Steel	7000491-08
4	Nut, 6-32 KEPS [®] , Stainless Steel	7058A046
4	Screw, Thread-Forming, Hex-Head, Type B, 1/4"	7011165-10
4	Lockwasher, Split, 1/4"	7074A015

Installing the IPX-GRL Mounting Kit

⚠ 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. For wiring instructions, refer to the installation and maintenance instructions packed with the light.

To mount the lights to the vehicle:

1. Attach the lightheads to the brackets.
 - If you are also installing the IPX600 and Viper EXT, use the hardware supplied with the lightheads. For all other models, use the included 6-32 screws and KEPS nuts.
2. Disassemble vehicle per the manufacturer's service manual to access the radiator core support.
3. Position the brackets as shown and mark the mounting hole locations.
4. Drill a 0.209 inch hole (#4 drill) in the A-frame member at each of the two drill-position marks.
5. Mount the brackets with the supplied 1/4 inch hardware.
 - If you are also installing the ESB-TAH15 mounting kit, it goes in front of this bracket.
6. Connect the lights as described in the instructions provided with the lights.

Figure 1 2015 only Silverado SSV

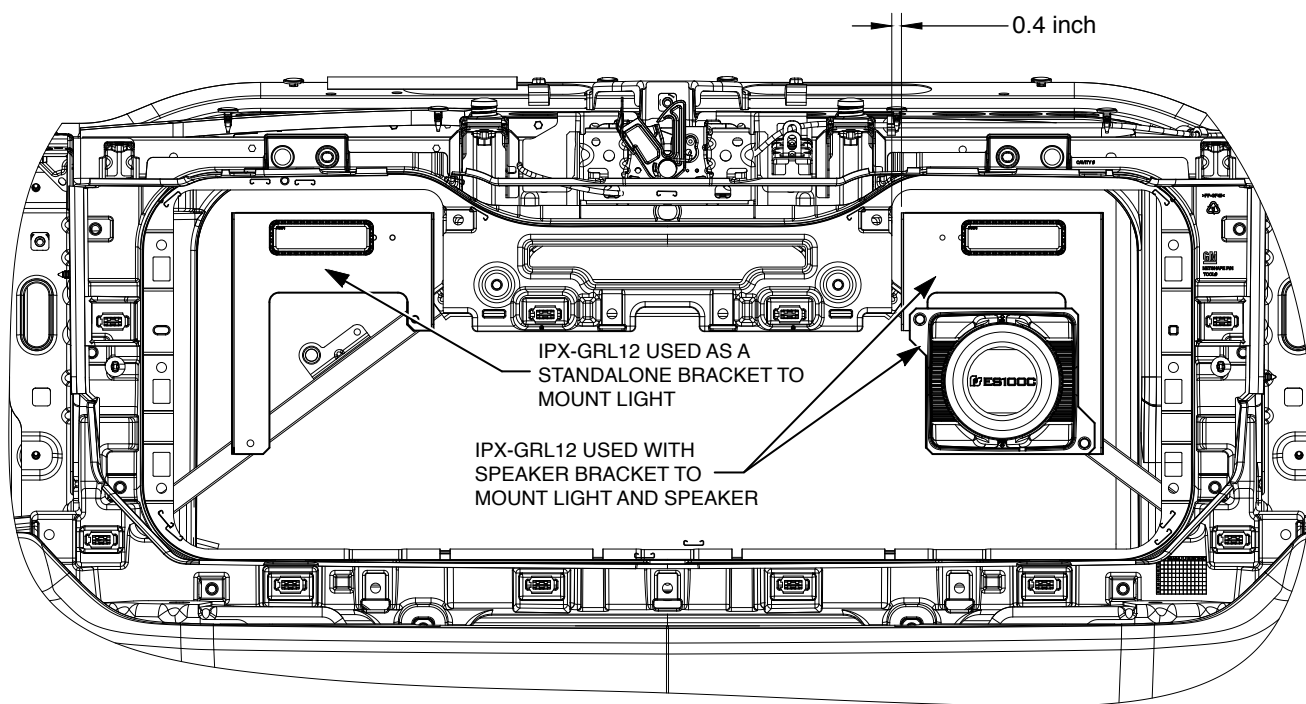
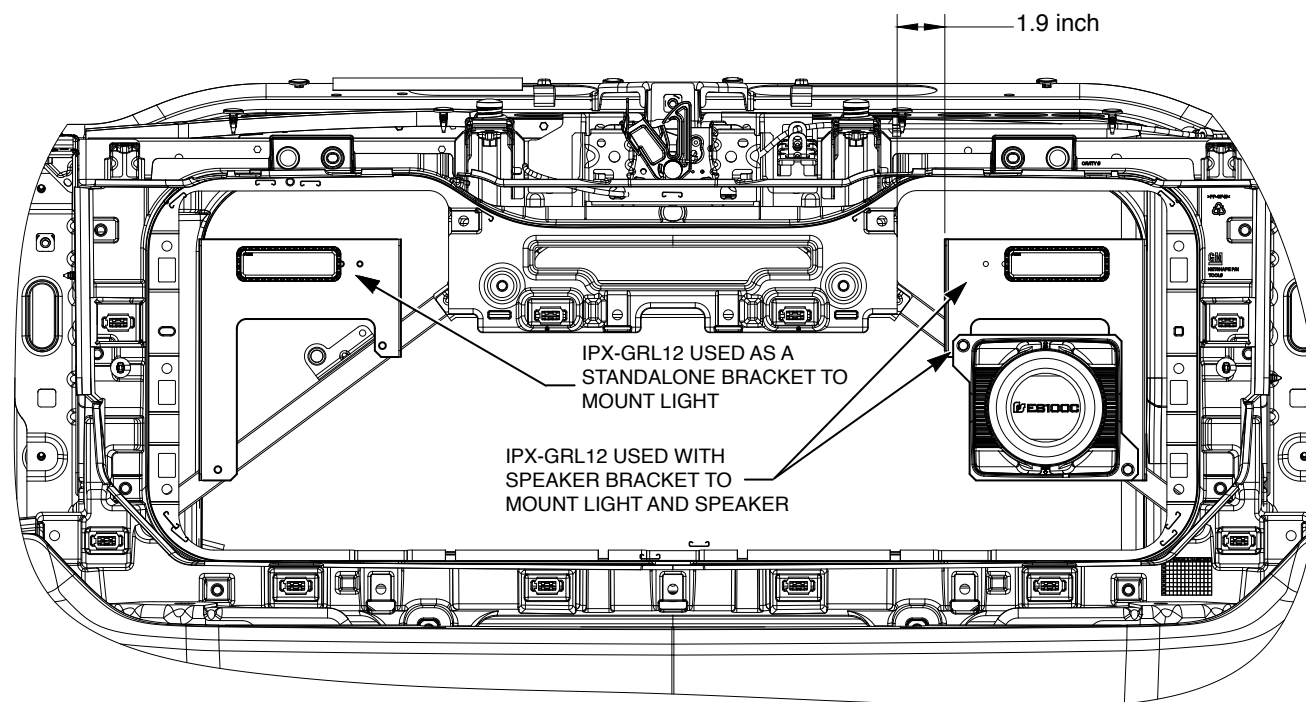


Figure 2 2016+ Silverado SSV



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 the sound of the siren and horn and wear hearing protection. Do not sound the siren or horn indoors or in enclosed areas where you and others will be exposed to the sound.

⚠ 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.

After testing the warning lights, 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 systems 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 and Service

Federal Signal Corporation will service your equipment or provide 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 number. The RMA number can be obtained from your local distributor or Federal Signal. Please provide a brief explanation of the service requested or the nature of the malfunction. For replacement parts, contact your local dealer/distributor or contact the Federal Signal Service Department (7 a.m. to 5 p.m., Monday through Friday, Central Time) at:

Service Department
Federal Signal Corporation
2645 Federal Signal Drive
University Park, IL 60484-3167
800-433-9132, 800-343-9706 (fax)
<http://www.fedsig.com/support/service>

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