FEDERAL SIGNAL
Public Safety Systems

Installation Instructions for the IPX-RDW2 Side-Window Mounting Kit

2562644A REV. A 511

Safety Message to Installers and Users of Warning Light Equipment

⚠ WARNING

People's lives depend on your proper installation and servicing of our products. It is important to read, understand, and follow all instructions shipped with this product. In addition, listed below are some other important safety instructions and precautions you should follow:

- To properly install this light, you must have a good understanding of automotive electrical procedures and 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.
- When drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged.
- In order for the light to function properly, a separate ground connection must be made. If practical, it should be connected to the negative battery terminal. At a minimum, it may be attached to a solid metal body or chassis part that will provide an effective ground path as long as the light system is to be used.
- Locate the light control so the VEHICLE and CONTROL can be operated safely under all driving conditions.
- If a vehicle seat is temporarily removed, verify with the vehicle manufacturer if the seat needs to be recalibrated for proper airbag deployment.
- Do not attempt to activate or deactivate the light control while driving in a hazardous situation.
- You should frequently inspect the light to ensure that it is operating properly and that it is securely attached to the vehicle.
- 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.

Overview

This publication contains instructions for using the IPX-RDW2 Side-Window Mounting Kit to mount two perimeter warning lights to each rear side-window on the Chevrolet® Caprice.

Unpacking the Kit

After unpacking the kit, inspect it for damage that may have occurred in transit. If it has been damaged, 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. If you are missing any parts (Table 1 on page 2), 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 No.
2	Bracket, Side Window, Double	8613216
2	Cover, Side Window, Double	8613196
1	Sealing Strip, 27.25" Long	205003
4	Lockwasher, #6 Split	7074072
4	Screw, #6-32 Phillips, Black	7000A406-06
8	Screw, #10 Type B	7011A122-08
8	Screw, #10-32, TORX®, Black	7000447-10
8	Screw, #6-32, Phil, Type TT, Black	7011249-04

Installing the Warning Lights

⚠ 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.***

NOTE: For electrical installation instructions, refer to the Installation and Maintenance Instructions included with the warning light. Plan all cable routing before the installation.

To install the warning lights:

1. Remove the rear-door panel assembly. For removal instructions, refer to the vehicle's factory service manual.
2. Route the wire from the lighthead through the bracket.

NOTICE ***DO NOT OVERTIGHTEN SCREWS/NUTS—To avoid damage to the lightheads, do not overtighten the screws or nuts.***

3. Mount the lighthead to the bracket. Note that the Viper® EXT and IMPAXX 600 Series mount without the bezel using the hardware supplied with the lighthead (Figure 1 on page 3).
4. Cut the sealing strip in half and place a strip along the edge of a shroud as shown in Figure 1. Trim the sealing strip to fit.
5. Attach the shroud to the bracket/lighthead assembly using the #6 hardware.
6. Position the assembly on the rear door of the vehicle at the selected location. The location should lie within the fixed area of the window glass. Using the assembly as a template, mark the centers of the three mounting holes.

NOTICE ***DRILLING PRECAUTIONS—Before drilling holes, check the area into which you are drilling 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.***

7. Center-punch the marks and use a #21 drill bit to drill four 0.159" holes.
8. Secure the bracket through the drilled holes with four #10 Type B screws.

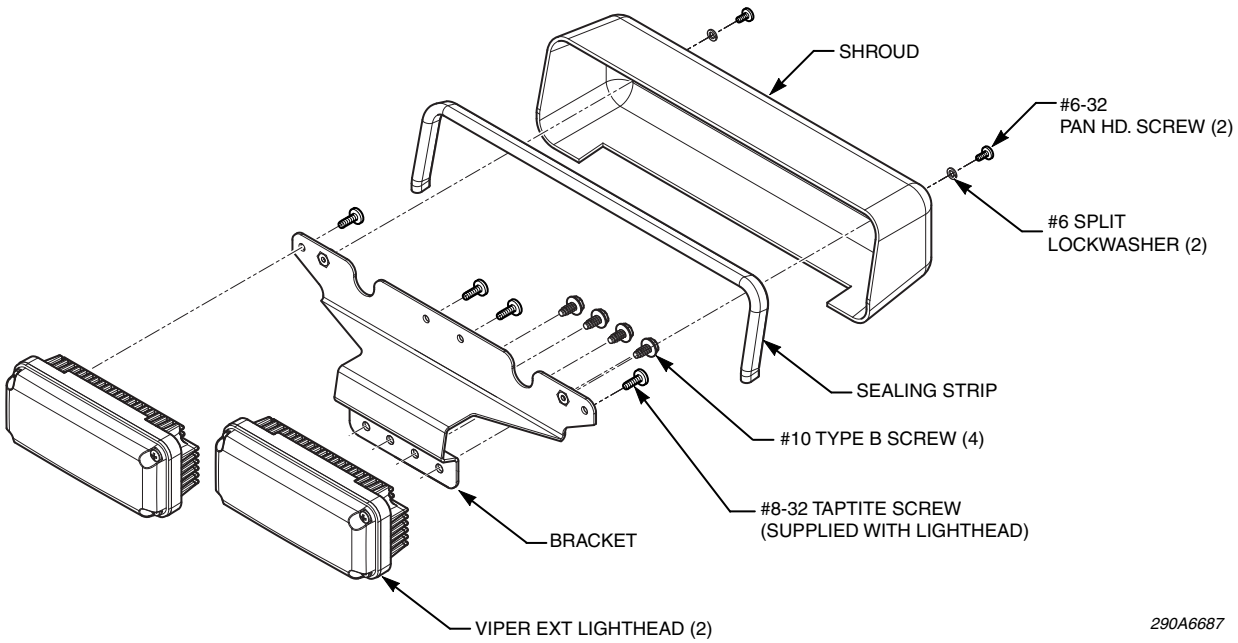
9. Connect the warning lights as described in the instructions provided with them.

10. Repeat steps 1 through 9 with the other side.

11. Test the warning lights for proper operation and the vehicle warning system according to the instructions in the next section.

12. Reinstall the door panel assemblies according to the manufacturer's instructions.

Figure 1 Viper lightheads with mounting bracket



Testing the Warning System

⚠ 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 this lighting product at a close range or permanent damage to your eyesight may occur.***

⚠ 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 or 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.***

After the installation, 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.

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. After testing is complete, provide a copy of these instructions to the instructional staff and all operating personnel.

Ordering Replacement Parts

To order replacement parts, please contact your local dealer/distributor or:

Customer Support
Federal Signal Corporation
Phone: 1-800-264-3578
(7 a.m. to 5 p.m., Monday through Friday, Central Time)

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

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) (7 a.m. to 5 p.m., Monday through Friday, Central Time).

To expedite the process please be prepared with the following information:

- 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: #_____

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Public Safety Systems

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