

Model IPX-RSW4 Side-Window Mounting Kit

Installation Instructions

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

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Customer Support

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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 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.
- The effectiveness of an interior mounted warning light depends on the clarity, the tinting, and the angle of the glass it is being placed behind. Tinting, dirt defects, and steeply angled glass reduce the light output of the warning light. This may reduce the effectiveness of the light as a warning signal. If your vehicle has dirty, tinted, or steeply angled glass, use extra caution when driving your vehicle or blocking the right of way with your vehicle.

Installation Instructions

- 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.

Product Overview

This publication contains instructions for using the IPX-RSW4 Cargo Side-Window Mounting Kit to mount a warning light to each cargo side-window on the Ford® Explorer Utility. The bracket will mount one MPS600U, or two each IPX600, IPX300, or MPS300U per side.

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), 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	Extrusion Rubber 27.25 in	205003
8	Screw, 10-32, 6 lobe, pan head, black	7000447A-10
4	Screw, machine, pan head, Phillips, STL, black	7000A406-06
8	Screw, 6-32, pan head, Phillips, S	7000491A-06
8	Nut, 10-32, Keps®	7058A004
8	Nut, 6-32, Keps, stainless steel	7058A046
8	Washer, Flt, #10	7072A015
4	Lockwasher, #6, Split, Reg	7074072A
2	Cover, Side Window	8613196B
2	Bracket Assembly, Utility Cargo Wind, IPX-MPS	861301790A

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.

NOTICE

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

To install the warning lights:

1. See Figure 1. Mount the lightheads to the bracket. The IMPAXX 600 Series uses the hardware supplied with the lighthead; all others use the 6-32 screws and Keps nuts supplied.
2. 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.
3. Attach the shroud to the bracket/lighthead assembly using the black 6-32 screws and #6 lockwashers.
4. Position the assembly in the rear side cargo window of the vehicle at the selected location. Using the assembly as a template, mark the centers of the three mounting holes.

NOTICE

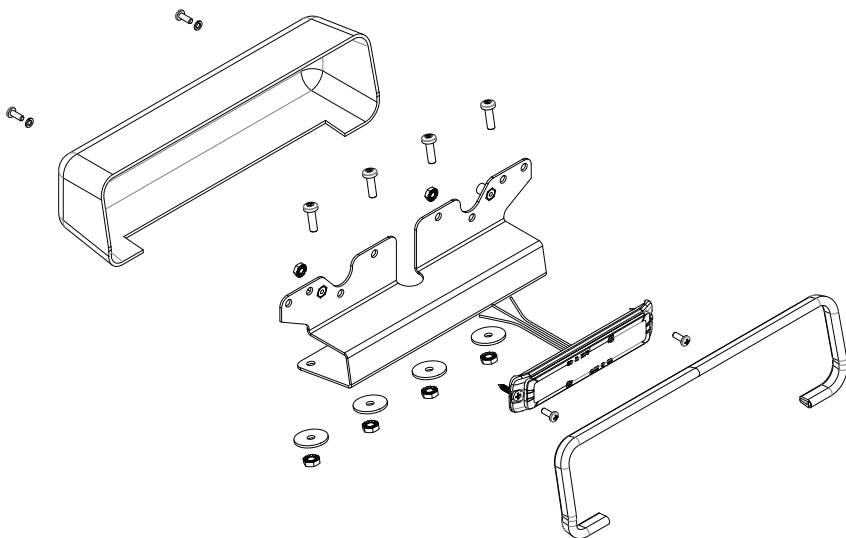
DRILLING PRECAUTIONS: *Before drilling holes, check the area into which you are drilling to be sure you do not damage vehicle components while drilling. All drilled holes should be de-burred and all sharp edges should be smoothed. All wire routings going through drilled holes should be protected by a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

5. Center-punch the marks and use a 13/64 drill bit to drill four holes.

Installation Instructions

6. Secure the bracket through the drilled holes with four #10 screws, washers and Keps nuts
7. Connect the warning lights as described in the instructions provided with them.
8. Repeat steps 1 through 7 with the other side.
9. Test the warning lights for proper operation and the vehicle warning system according to the instructions in the next section.

Figure 1 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.

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.



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