

2562399C REV. C 611

Safety Message to Installers 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 a light assembly, you must have a good understanding of automotive electrical procedures and systems, along with proficiency in the installation and use of safety warning equipment.
- Before drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged.
- If a vehicle seat is temporarily removed, verify with the vehicle manufacturer if the seat needs to be recalibrated for proper airbag deployment.
- This product contains high intensity LED devices. To prevent permanent eye damage, DO NOT stare into the light beam at close range.
- 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.

Mounting Bracket for IMPAXX® and VIPER® EXT

This publication has instructions for using the IPX-GRL2 Grille Mounting Bracket to mount the IMPAXX and Viper EXT lightheads to the grille of the Ford Crown Victoria.

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 listed in Table 1 are included in the package. 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	Qty.	Description	Part Number
1	CV Grille Mount	8613163	4	Lockwasher, Split, #8	7074A005
4	Screw, Mach, Pan Hd, #6-32	7000491-08	2	Screw, Cap, Hex Hd, 1/4-20, SS	7000A311-10
4	Nut, Hex, Keps, 6-32	7058A046	2	Lock Washer, Split	7074A016
4	Screw, Mach., Pan Hd., #8-32,	7000A421-08	2	Washer	7072A024

NOTE: For electrical installation instructions, refer to the Installation and Maintenance Instructions packed with the Impaxx or Viper EXT.

Mounting the Lights

⚠ WARNING

AIRBAG DEPLOYMENT—Do not install equipment or route wiring in the deployment path of an air bag. Failure to observe this warning will reduce the effectiveness of the air bag, or potentially dislodge the equipment, causing serious injury or death.

IMPORTANT: Plan all cable routing before the installation.

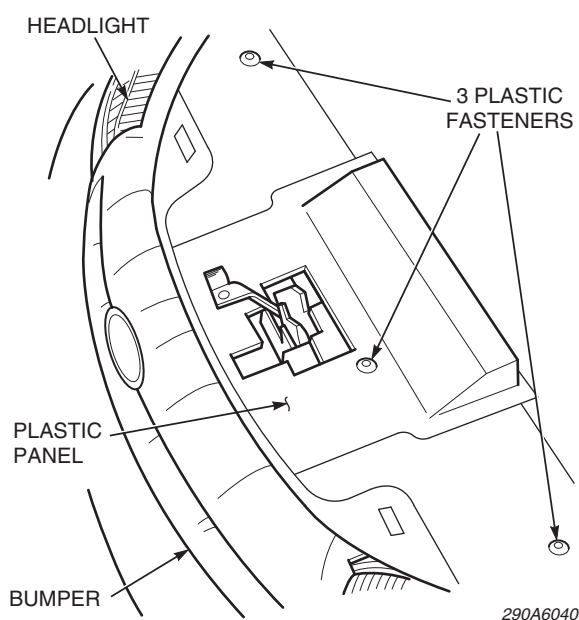
1. Raise the vehicle hood. Locate the plastic panel between the radiator crossbar and the grille fascia (Figure 1).
2. Remove and retain the three plastic quarter-turn panel fasteners. Remove the plastic panel.
3. Locate the mounting position on the extruding grille members (Figure 2 on page 3). Using the bracket (8613163) as a template, center-punch two drill-position marks on the mounting point.

NOTICE

DRILLING PRECAUTIONS—Before drilling holes, check the area you are drilling into to be sure you do not damage vehicle components. 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.

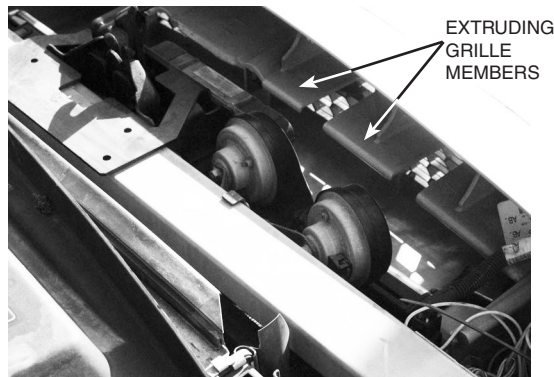
4. Drill two 1/4" holes in the mounting location at the drill-position marks.
5. Route the wires from the lighthead through the bracket.

Figure 1 Remove the plastic panel to install bracket



NOTE: Remove the two #10-32 Torx screws from the back of the IPX600 before mounting the lighthead.

Figure 2 Extruding grille members

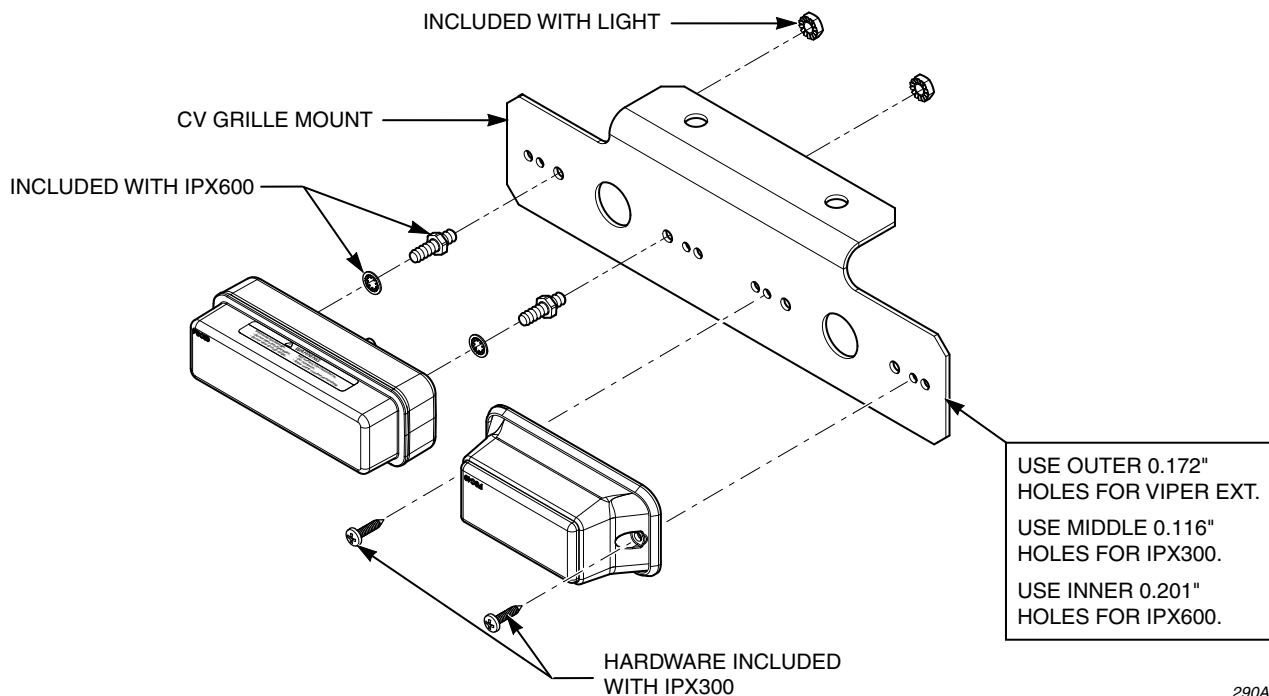


NOTICE

DO NOT OVERTIGHTEN SCREWS/NUTS—To avoid damage to the lightheads do not overtighten the screws and nuts.

6. Mount the IPX300 Series light(s) to the bracket(s) using the screw (7000491-08) and the nut (7058A046), or the IPX600 Series light(s) using the hardware included with the lighthead (Figure 3), or the VIPER EXT light(s) using the screw (7000A421-08), and the lock washer (7974A005).

Figure 3 IPX600 lights secured to bracket



290A6704

6. Attach the bracket to the vehicle using the two hex cap screws (7000A311-10), the split lockwashers (7074A016), and the washers (7072A024).
7. Connect the Impaxx or Viper EXT lights as described in the instructions provided with the lights.
8. Test the lights for proper operation.
9. Replace the plastic panel you removed in step 2 and secure it with the retained panel fasteners.

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)

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). 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

Public Safety Systems

2645 Federal Signal Drive

University Park, IL 60484-3167

Attn: Service Department

RMA: # _____

800-433-9132

800-343-9706 (fax)

www.fedsig.com