

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

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

Overview

The publication has instructions for IPX-GRL6 Grille Mounting Bracket to mount the Impaxx® and MicroPulse™ lightheads to the grille of the Ford® Explorer and Interceptor Utility.

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

Unpacking the Product

After unpacking the product, 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 Table 1 on page 2 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 Mounting kit contents

Qty.	Description	Part Number
1	Grille Mount, Passenger	861300046
1	Grille Mount, Driver	861300047

Mounting the Lights

IMPORTANT: Plan all cable routing before the installation.

⚠ 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.

To mount the lights to the grille:

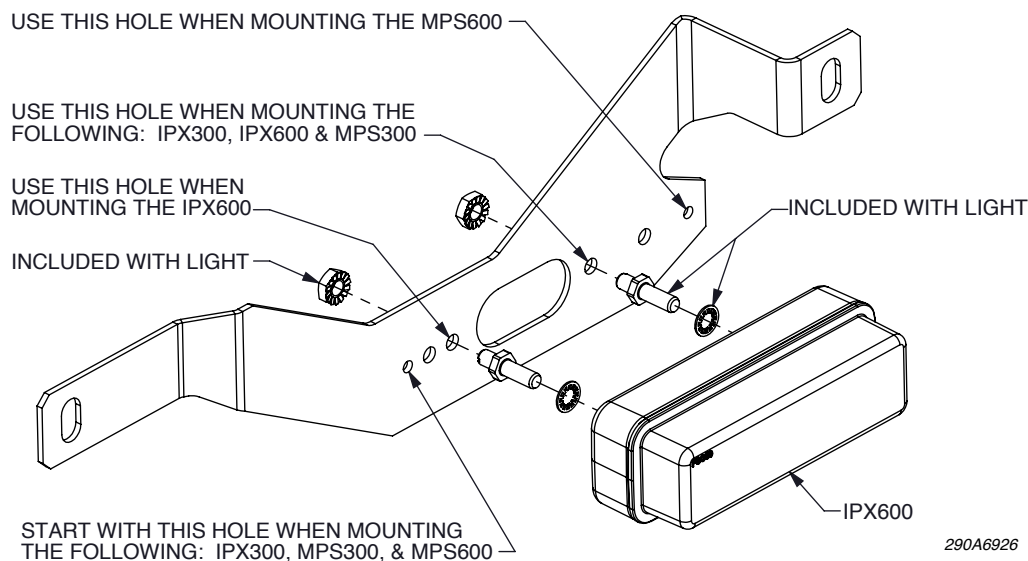
1. Route the wire from the lighthouse through the grille bracket.

NOTICE

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

2. See Figure 1. Mount to the grille bracket the IPX300, MPS300, and MPS600 lights using the #6-32 pan-head screw (7000491-08) and the hex nut (7058A046), or the IPX600 Series lights using the hardware included with the lighthouse.
3. Remove the front fascia.

Figure 1 Lighthouse mounting configurations



4. See Figures 2 and 3 on page 3. Working on one side of the vehicle at a time, remove and retain the two hex/washer nuts.

Figure 2 Mounting location of passenger-side grille bracket

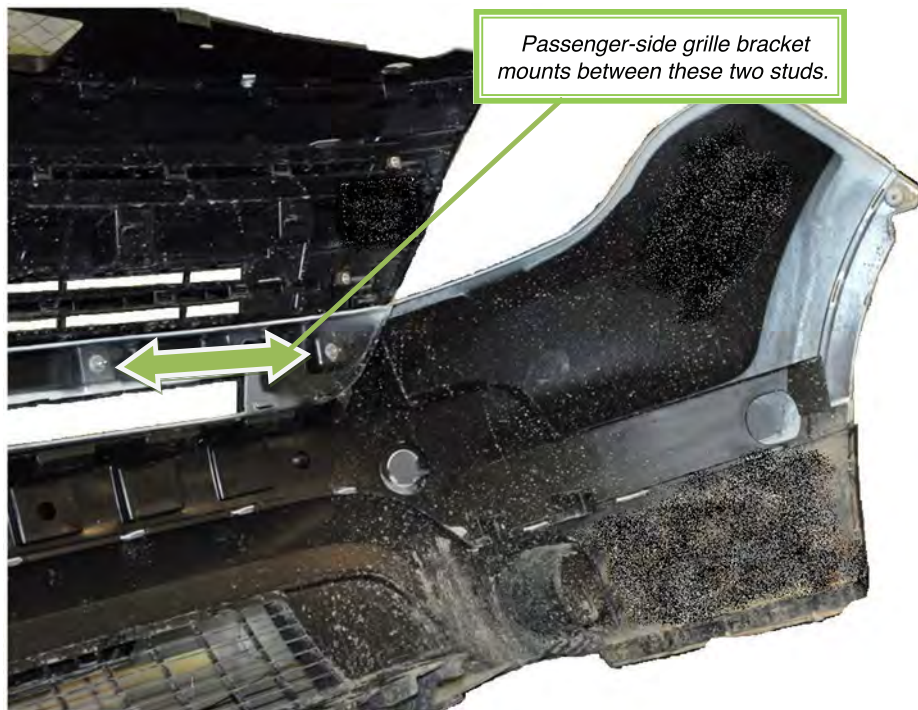
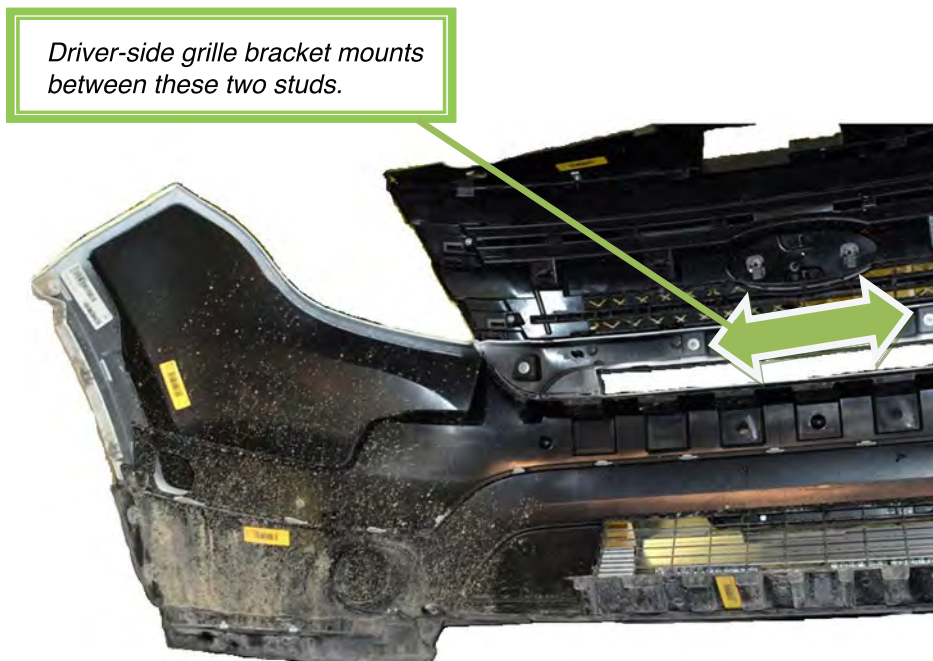


Figure 3 Mounting location of driver-side grille bracket



5. Attach the lighthead/bracket assembly using the hex/washer nuts you removed in step 4.
6. Repeat the installation for the other side of the grille.
7. Connect the Impaxx or MicroPulse lights as described in the instructions provided with the lights.

8. Test the lights for proper operation.
9. Reinstall the front fascia.

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. Contact your local dealer/distributor for replacement parts availability 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)
www.fedsig.com



2645 Federal Signal Drive, University Park, IL 60484-3167
Tel.: (800) 264-3578 • Fax: (800) 682-8022
www.fedsig.com

© 2012 Federal Signal Corporation
Ford is a registered trademark of Ford Motor Company.
Impaxx and MicroPulse are trademarks of Federal Signal Corp.