

25500889 Rev A0 0923

## 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. Listed below are some other important safety instructions and precautions you should follow:

- To properly install the warning lights, 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.
- Frequently inspect the light system to ensure that it is operating properly and is securely attached to the vehicle.
- When drilling into a vehicle structure, ensure 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.
- 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.

### **Introduction**

This publication has instructions for using the MPSMW9-EXP19MIR Mounting Kit to mount a MicroPulse® MPSW9 light head to each side mirror of the Ford Expedition.

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

### **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 the damage. Carefully check all envelopes, shipping labels, and tags before removing or destroying them. Ensure that the parts 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 MPSMW9-EXP19MIR mounting kit contents

Qty.	Description	Part Number
1	Bracket, Driver Side, Mirror, EXP19, MPSW9	861304461-DS
1	Bracket, Passenger Side, Mirror, EXP19, MPSW9	861304461-PS
4	Screw, 6-32, Phillips Pan-Head, SS	7000491-08
4	Nut, 6-32 Keps®, Stainless Steel	7058A046
6	Screw, #10, Type B, Six-Lobe, Black	7011246-06

**⚠ 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**

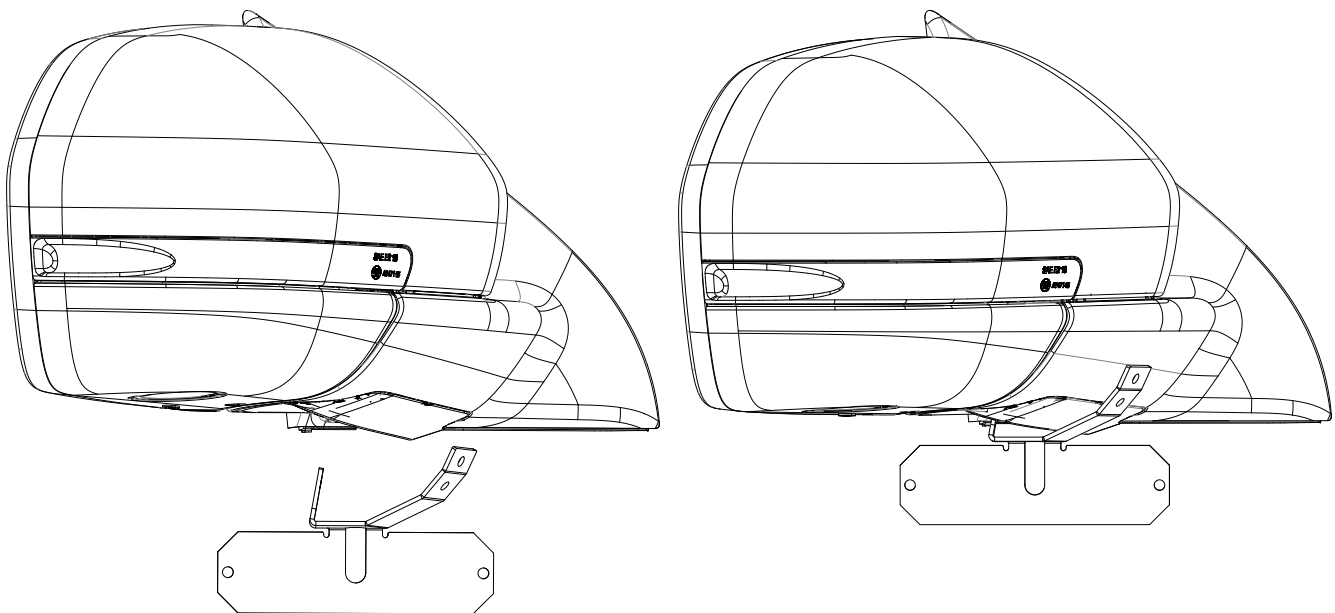
**DRILLING PRECAUTION:** When drilling holes, check the area you are drilling into to be sure you do not damage vehicle components. All drilled holes should be deburred, and all sharp edges should be smoothed. All wire routings going through drilled holes should be protected by a grommet or convolute/split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

To install the light:

1. Position and align bracket (8861304461 PS/DS) to the contour of the mirror as seen in Figure 2. Mark the mounting holes and a wire access hole.

Figure 1 Passenger mirror and bracket before mounting

Figure 2 Final bracket position on passenger-side mirror



2. Drill three 5/32-inch mounting holes, plus a hole for wire routing.
3. Prepare the wiring.
4. Install the bracket with the three #10 Type B six-lobe screws.

5. Install the MPSW9 with the provided 6-32 nuts and screws.
6. Repeat the previous steps on the other side of the vehicle.
7. Complete the wiring per the instructions supplied with the light head.

**⚠ 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.***

8. Test the lights for proper operation.
9. Reassemble the front of the vehicle according to the manufacturer's service manual.

### **Getting Technical Support**

For technical support, please contact:

Federal Signal Corporation  
Service Department  
Phone: 1-800-433-9132  
Email: empSERVICEinfo@fedSIG.com

### **Getting Repair Service**

The Federal Signal factory provides 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 (RMA). Obtain an 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 Dr.  
University Park, IL 60484-3167

### **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](http://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](mailto: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.



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