



**FEDERAL SIGNAL**  
Safety and Security Systems

# **Model ESBL-FUSN16ND Mounting Kit**

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## ***Installation Instructions***

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## 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.



**FEDERAL SIGNAL**  
Safety and Security Systems

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## **Safety Messages to Installers and Operators of Warning Light Equipment**

### **⚠ WARNING**

People's lives depend on your proper installation and servicing of Federal Signal products. It is important to read, understand and follow all instructions shipped with the products and the original product. Listed below are some other important safety instructions and precautions you should follow:

- To properly install the lighting and siren systems, 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 and siren systems 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.
- Do not stare directly into the lights at a close range or permanent damage to your eyesight may occur.
- 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 and horn and wear hearing protection. Do not sound the siren and horn indoors or in enclosed areas where you and others will be exposed to the sound.
- 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.

## **Mounting Bracket for ES100C and IMPAXX®<sup>®</sup>, MicroPulse™<sup>™</sup> Lights**

This publication has instructions for using the Model ESBL-FUSN16ND bracket kit to mount the ES100C and/or IMPAXX IPX600B, IPX300 or MicroPulse MPS600, MPS600U, MPS1200, MPS1200U, and MPSW9 lights in the grille of the 2016 FUSION.

**NOTE:** For electrical installation instructions, refer to the Installation and Maintenance Instructions included with the siren and lighthouse.

### **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 in the Table 1 are included in the package. Disposal of all shipping materials must be carried out in accordance with national and local codes and standards. 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** Model ESBL-FUSN16ND Mounting Kit

<b>Qty.</b>	<b>Description</b>	<b>Part Number</b>
1	Bracket, ES100C-LTS, FUSN16	856701695
2	Plate Assembly, Stud, ES-LTS, FUSN16	856701707
4	Screw, Machine, 6-32, Pan, Phillips, SS	7000491-08
2	Bolt, Cap, 5/16-18, Hex, SS	7002A005-14
4	Nut, Hex Ext, Keps, 6-32, SS	7058A046
2	Lockwasher, Split 5/16 Screw SS	7074A020
4	Nut, EL Stop Hex LT SS 1/4-20	7058A010
4	Washer, Flat, SS, .266 X 11/16 X .063	7072A024

## Installing the Brackets

### **⚠ 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.

**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.

**IMPORTANT:** Plan all cable routing before the installation.

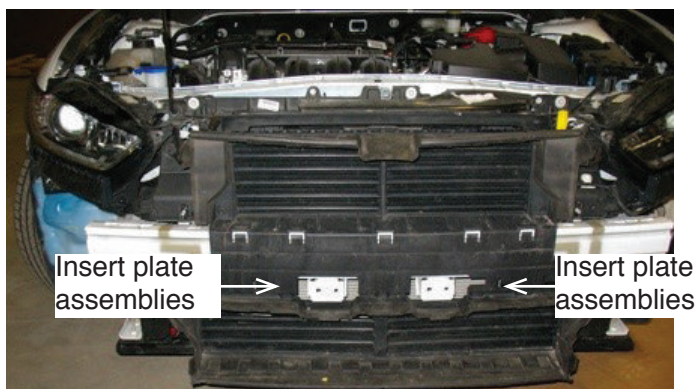
### **NOTICE**

**THREAD DAMAGE AND GALLING:** To prevent thread damage and galling, anti-seize lubricant must be used on all stainless steel fasteners

### **To install the speaker and lights:**

1. Mount the speaker(s) to the bracket with the 5/16" bolts and lock washers.
2. Mount the lights to the bracket. The IPX600B uses hardware supplied with the lighthouse. The IPX300 and MicroPulse use the 6-32 screws and KEPS nuts in the ESBL-FUSN16ND kit.
3. Remove the fascia according to instructions in the manufacturer's service manual.
4. See Figure 1. Place the two plate assemblies into the two corresponding pairs of holes on the vehicle. The studs should be pointing forward.
5. Slide the assembled bracket into position. Fasten the assembled bracket using the supplied flat washers and lock nuts.

**Figure 1** Insert plate assemblies



## **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](mailto:empserviceinfo@fedsig.com)

[www.fedsig.com](http://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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