

25500514 Rev. B0 0119

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 an electronic siren, you must have a good understanding of automotive electrical procedures and systems, along with proficiency in the installation and service of safety warning equipment. Always refer to the vehicle service manuals when installing equipment on a vehicle.
- 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.
- When drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged.

DO NOT get metal shavings inside the siren. Metal shavings can cause the system to fail. If drilling must be done near the siren, place an ESD-approved cover over the siren to prevent metal shavings from entering it. Inspect the siren after mounting to be sure there are no shavings present in or near it.

- You should frequently inspect the siren system to ensure that it is operating properly and that it is securely attached to the vehicle.
- Refer to the instructions packed with the siren for additional precautions and information.
- File these instructions in a safe place and refer to them when maintaining and/or reinstalling the siren.

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 ESB2-FRD15ND Mounting Bracket Kit to mount two DynaMax ES100C sirens through the existing holes in the bumper of the Ford® F-150.

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 KIT CONTENTS LIST 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 Kit Contents

Qty.	Description
1	BRKT, DUAL/SINGLE, ES100, F-150, DS, ND
1	BRKT, DUAL/SINGLE, ES100, F-150, PS, ND
4	Screw, Machine, 5/16"-18, Hex Head, SS, 7/8"
4	Washer, Split, 5/16", 0.586 Outer Diameter, Thick, SS

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.

⚠ WARNING

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

⚠ WARNING

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.

1. Mount the speaker to the bracket with the 5/16"-7/8" bolts and lockwashers that are included with this kit.

SOUND REDUCTION/SPEAKER WIRES: To avoid reducing the sound output and damaging the speaker, ensure that the speaker is mounted with the wires protruding from the bottom of the speaker.

SOUND REDUCTION/SPEAKER ORIENTATION: To avoid reducing the sound output, ensure that the speaker is mounted with the sound opening facing directly in the direction intended to warn.

2. Locate the radiator bracket bolt shown in Figure 1. Loosen but do not remove this bolt.

Figure 1 Back of bumper with ES100C Speakers



3. Align the bracket so that the slot in the bracket slides underneath the head of the bolt and washer on the vehicle. See Figure 1.
4. Tighten the bolt.
5. Repeat steps 1-4 for the opposite side.
6. Complete the wiring according to the instructions provided with the speaker.

⚠ WARNING

SOUND HAZARD: All effective sirens and horns produce loud sounds (120 dB) that may cause permanent hearing loss. Always minimize your exposure to siren sound and wear hearing protection. Do not sound the siren indoors or in enclosed areas where you and others will be exposed to the sound.

⚠ WARNING

HOT SURFACE: The speaker gets hot enough to burn you. Always allow it to cool before handling it.

7. Test the siren for proper operation.

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

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



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

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