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Safety Messages for 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 this light, you must have a good understanding of automotive electrical procedures and systems, along with proficiency in the installation and use of safety warning equipment. Always refer to the vehicle's service manuals when installing equipment on a vehicle.
- DO NOT install equipment or route wiring in the deployment path of an airbag.
- When drilling into a vehicle structure, ensure that both sides of the surface are clear of anything that could be damaged.
- For the light to function properly, a separate ground connection must be made. If practical, it should be connected to the negative battery terminal. At a minimum, it may be attached to a solid metal body or chassis part that provides an effective ground path.
- Locate the light control so the VEHICLE and CONTROL can be operated safely under all driving conditions.
- The effectiveness of an interior mounted warning light depends on the clarity, the tinting, and the angle of the glass it is being placed behind. Tinting, dirt defects, and steeply angled glass reduce the light output of the warning light. This may reduce the effectiveness of the light as a warning signal. If your vehicle has dirty, tinted, or steeply angled glass, use extra caution when driving your vehicle or blocking the right of way with your vehicle.
- Do not attempt to activate or deactivate the light control while driving in a hazardous situation.
- Frequently inspect the light to ensure that it is operating properly and that it is securely attached to the vehicle.
- This product contains high-intensity LED devices. To prevent eye damage, DO NOT stare into the light beam at close range.
- After installation, test the stick light to ensure that it is operating properly.
- If a vehicle seat is temporarily removed, verify with the vehicle manufacturer if the seat needs to be recalibrated for proper airbag deployment.
- After testing is complete, provide a copy of these instructions to the instructional staff and all operating personnel.
- 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 contains instructions for installing a SpectraLux® ILS (SIFM) system into the rear glass of a 2016+ Chevrolet Camaro.

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

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 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

Item No.	Qty	Description	Part Number
1	2	1/4-20 Black Steel Pan Head Phillips® Machine Screw	7000547A-16
2	2	1/4-inch Black Stainless Steel Split Lockwasher	70701034A
3	2	0.25 x 0.562-inch Black Stainless Steel Flat Washer	70701035A
4	2	1/4-20 Steel Jack Nut	70501473A
5	2	#10 Black Steel Pan Head Torx Self-Tapping Screw	7011246A-06
6	2	SIFMR-16CAM Rear Bracket	862403855A

Installing the Warning Lights

⚠ WARNING

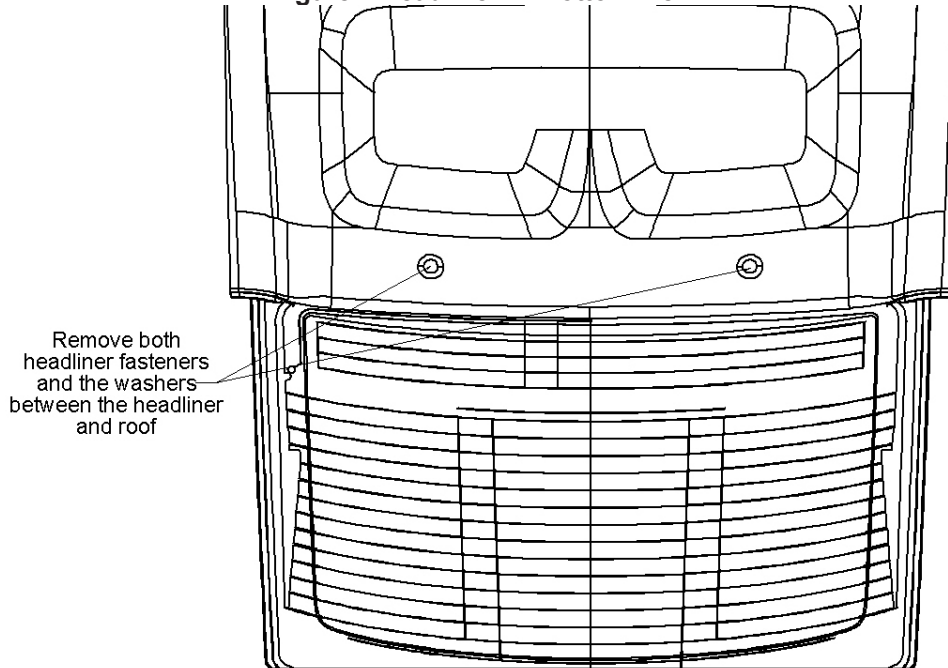
AIRBAG DEPLOYMENT: Do not install equipment or route wiring in the deployment path of an airbag. Failure to observe this warning will reduce the effectiveness of the airbag or potentially dislodge the equipment, causing serious injury or death.

IMPORTANT: Plan all cable routing before the installation.

To install the warning lights:

1. Install the extruded rubber sealing strip on the edges of the shroud and cover that contact the rear window.
2. Remove the rear headliner retainer fasteners and the washers between the headliner and the roof. See Figure 1.

Figure 1 Headliner — Bottom view



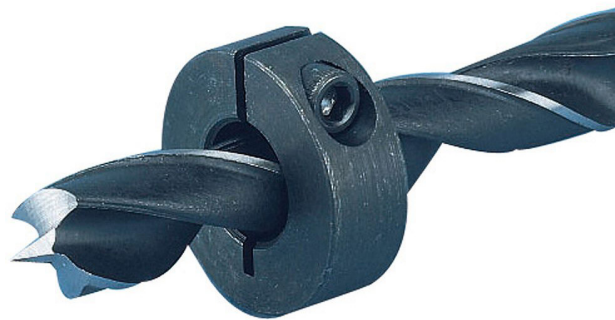
NOTICE

DRILLING PRECAUTIONS: When drilling holes, check the area you are drilling into to ensure that you do not damage vehicle components while drilling. 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.

- Using a 7/16-inch drill bit and a drill depth stop collar (refer to figure 2 for an example) set to 3/4-inch, drill the two exposed holes of the inner roof frame.

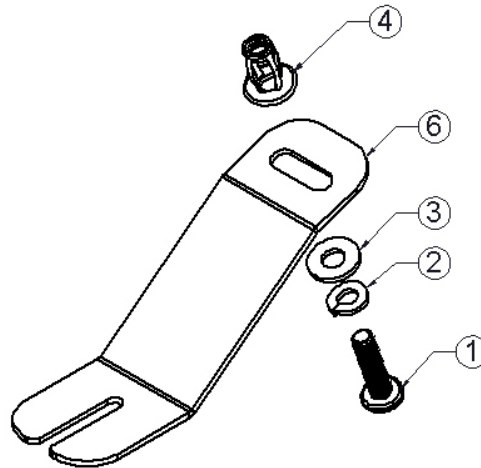
NOTE: It is highly recommended to use the drill depth stop collar when drilling this hole to ensure that you do not drill through the vehicle roof.

Figure 2 Drill depth stop collar



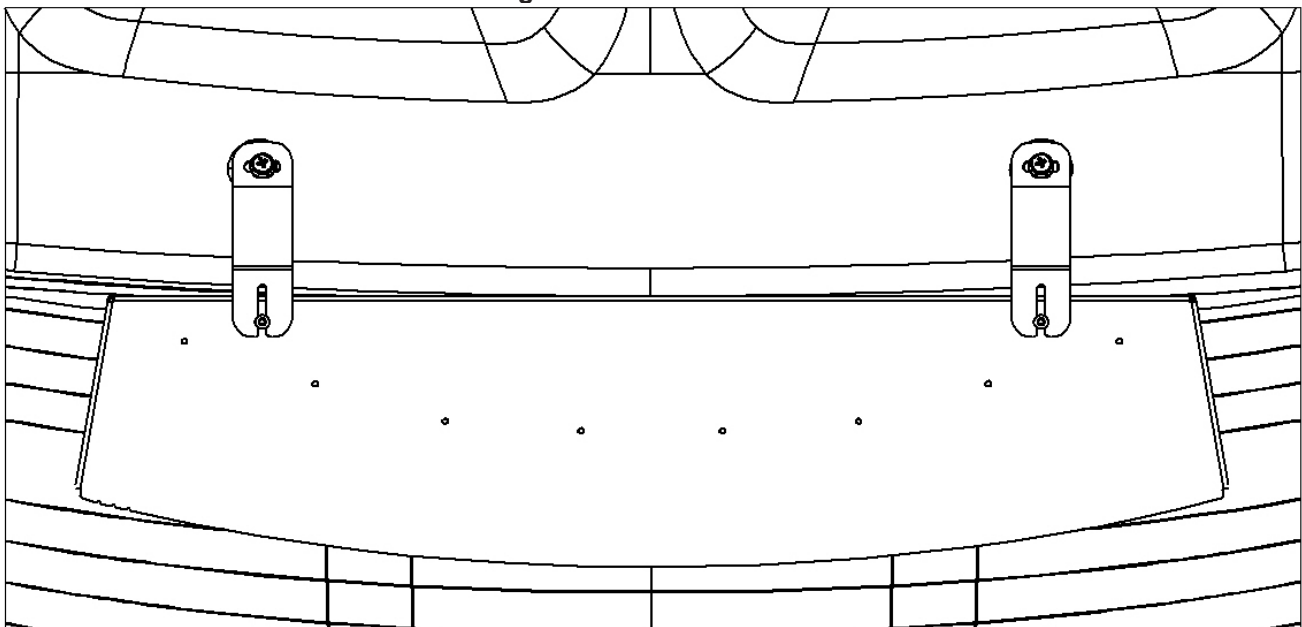
- Referring to Figure 3, create two assemblies using the 1/4-20 jack nuts, rear brackets, 1/4-inch flat washers, 1/4-inch lockwashers and 1/4-20 screws.

Figure 3 Bracket assembly



- Insert the jack nut into the previously drilled holes. Using an impact driver, tighten the screws until the bracket is snug against the headliner to ensure the jack nut is fully collapsed, and then loosen the screws a little bit to allow installation of the shroud.
- Install the #10 screws into the ILS shroud and slide the shroud and screws into the slots of the previously installed brackets.
- Ensure that the unit is tight against the rear window. Tighten the 1/4-20 screws that hold the bracket to the headliner and then the #10 screws that hold the shroud to the brackets.

Figure 4 Final installation



- Complete the wiring according to the electrical instruction sheet supplied with the ILS unit.

Wiring the Installation

Refer to the Installation and Maintenance Instructions packed with the speaker and lights.

Testing the Warning System

⚠ 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 this lighting product at a close range, or permanent damage to your eyesight may occur.

After testing the flasher, test the emergency warning system to ensure that it is operating properly. Also test all vehicle functions, including horn operation, vehicle safety functions, and vehicle lighting systems, to ensure proper operation. Ensure that the installation has not affected the vehicle operation or changed any vehicle safety functions or circuits. After testing is complete, provide a copy of these instructions to the instructional staff and all operating personnel.

Do not test the sound and light system of the vehicle while driving. Operating the vehicle warning systems may pose a hazard to the operator and other drivers if the systems do not function as expected. Test the vehicle only in a controlled environment.

Getting Technical Support

For technical support, please contact:

Service Department
Federal Signal Corporation
Phone: 1-800-433-9132
Email: emp-service-info@fedsig.com

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.

Table 2 Replacement Parts

Qty.	Description	Part Number
1	SIFMR-16CAM Shroud Assembly	862403854
1	SIFMR-16CAM Cover	862403975
2	SIFMR-16CAM Rear Bracket	862403855
1	6 mm Bulb 1/16-inch Edge Trim Seal	77700500-56
1	Fuse Kit	8620006-01

Getting Repair Service

The Federal Signal factory provides technical assistance with any problems that cannot be handled locally.

Any units returned to 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. Provided a brief explanation of the service requested or the nature of the malfunction.

Address all communications to the following address.

Federal Signal Corporation
Service Department
2645 Federal Signal Drive
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. 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 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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Customer Support

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