

Safety Message to Installers of and Operators of Warning Lights

▲ WARNING

People's lives depend on your proper installation and operation 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 this light, 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'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, be sure 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 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.
- You should frequently inspect the lightbar 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 the installation, test the 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

These instructions describe how to install an ILS system into the rear hatch of a 2015 Chevrolet Tahoe.

For electrical installation instructions, refer to the installation and maintenance instructions packed with the lights.

Unpacking the Kit

After unpacking the product, inspect it for damage that may have occurred in transit. If it has been damaged or is missing a part, 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 all parts in Table 2 have been included. 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 SIFMH items installed at the factory

Qty.	Description	Part Number
1	Shroud Assembly, Hatch, Tahoe, SIFMH	862402118
1	Cover, Hatch, Tahoe, SIFMH	862402119
1	Screw, Machine, Pan-Head, Phillips, 8-32	7000A408-10

Table 2 SIFMH items installed by user

Qty.	Description	Part Number
1	Bracket, Passenger Side, Tahoe, SIFMH	862402120
1	Bracket, Driver Side, Tahoe, SIFMH	862402121
10	Washer, Flat, Steel, 0.266 x 5/8 in x 0.63 in	7072A028
4	Lockwasher, External Tooth, 1/4 in	7075A007
1	Trim Seal, 1/16 in edge, 6 mm Bulb	77700500-56
1	Fuse Kit	8620006-01
6	Nut, Jack Nut, 1/4 in x 20, Steel, Zinc	70500830
4	Bolt, Cap, 1/4 in x 20, Hex, Steel, Zinc, Clear, 5/8 in	7002A000-10
6	Bolt, Cap, 1/4 in x 20, Hex, Steel, Zinc, Clear, 1 in	7002A000-16

Installing the SIFMHVL-TA15 Kit

▲ 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 PRECAUTIONS

When drilling holes, check the area you are drilling into to be sure you do not damage vehicle components. All drilled holes should be de-burred 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 kit:

1. Install the extruded-rubber sealing strip on the edges of the shroud and cover that contact the rear window.
2. Remove the trim panel from vehicle.
3. Install the brackets to the ILS lightbar using the supplied 1/4 in bolts, washers, and lockwashers Do not over-tighten the bolts. Adjust the brackets so that the bolts are aligned with the bottom of the slots in the brackets.
4. Hold the lightbar in place and ensure that it is contacting the glass. Figure 1 on page 4 shows the approximate left and right locations of the brackets. Mark the six mounting hole locations while the ILS is touching the glass.
5. Drill six 7/16 in holes.
6. Remove the brackets from the ILS and loosely install included 1/4 in bolts, washers, and jack nuts onto both brackets.
7. Install the brackets into the holes and tighten the bolts until the jack nuts are fully collapsed. Do not over-tighten the bolts.
8. Cut two slots in the trim panel in the locations shown in Figure 2 on page 5. Reinstall the trim panel through the brackets.
9. See Figure 3 on page 4. Loosely install the ILS to the lower brackets using the supplied 1/4 in bolts and flat washers.
10. Adjust the lightbar/bracket assembly for the best fit and tighten the bolts. Do not overtighten them.

▲ 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 close range. Do not stare directly into the lights at close range, or permanent damage to your eyesight may occur.

11. Test the installation for proper operation.

Figure 3 Locations of the mounting brackets

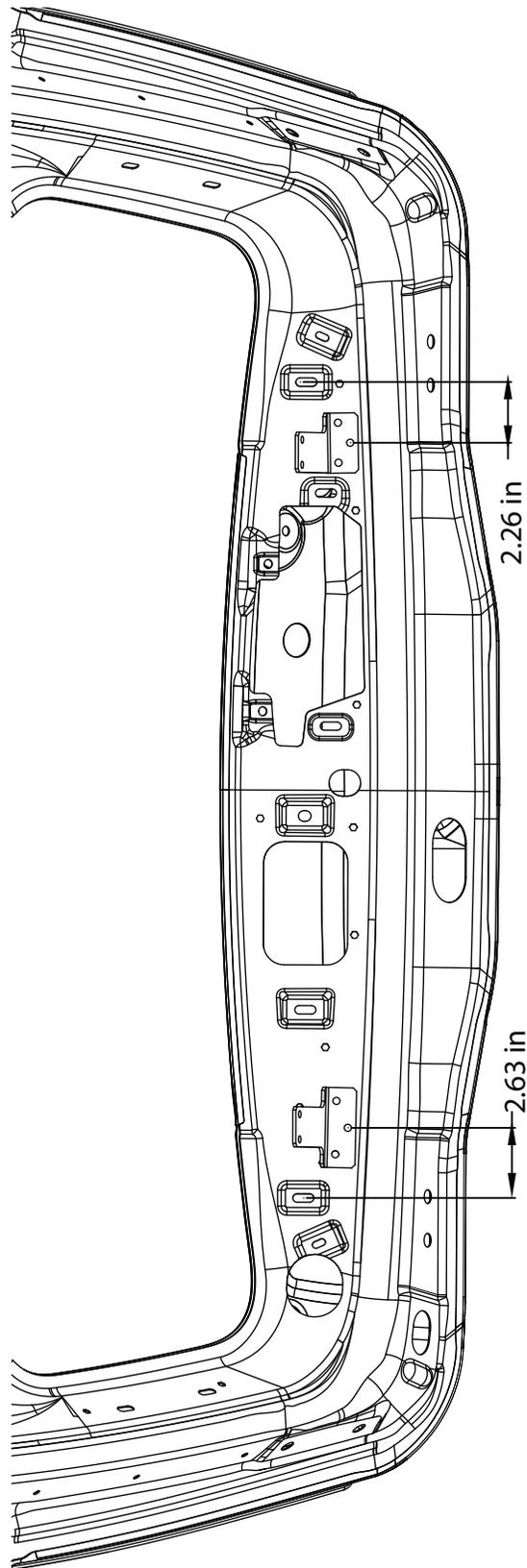


Figure 2 Locations of the slots in the trim piece

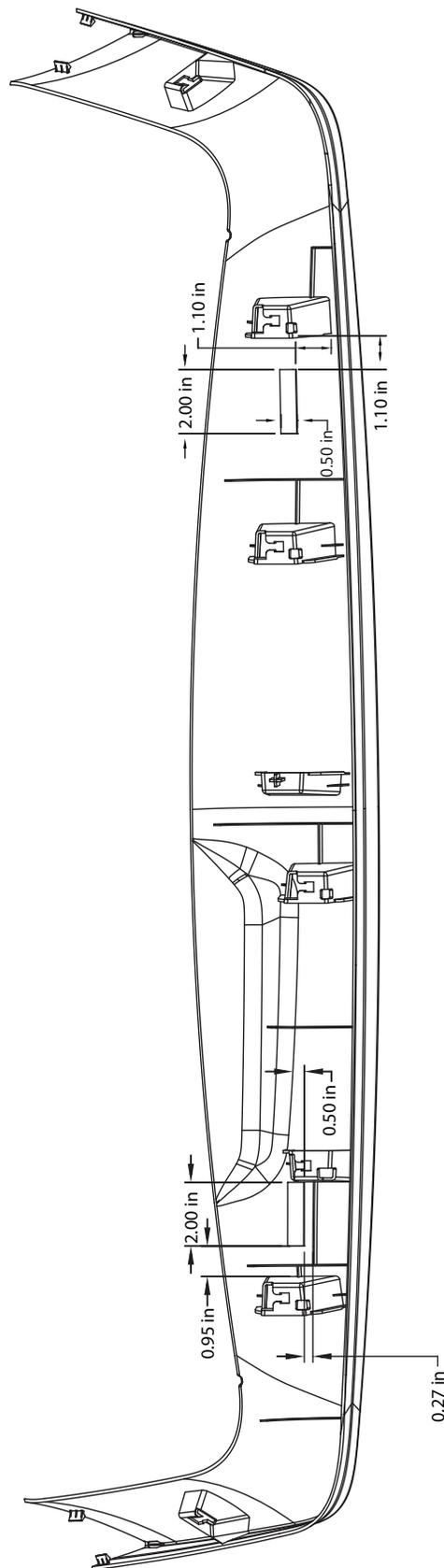
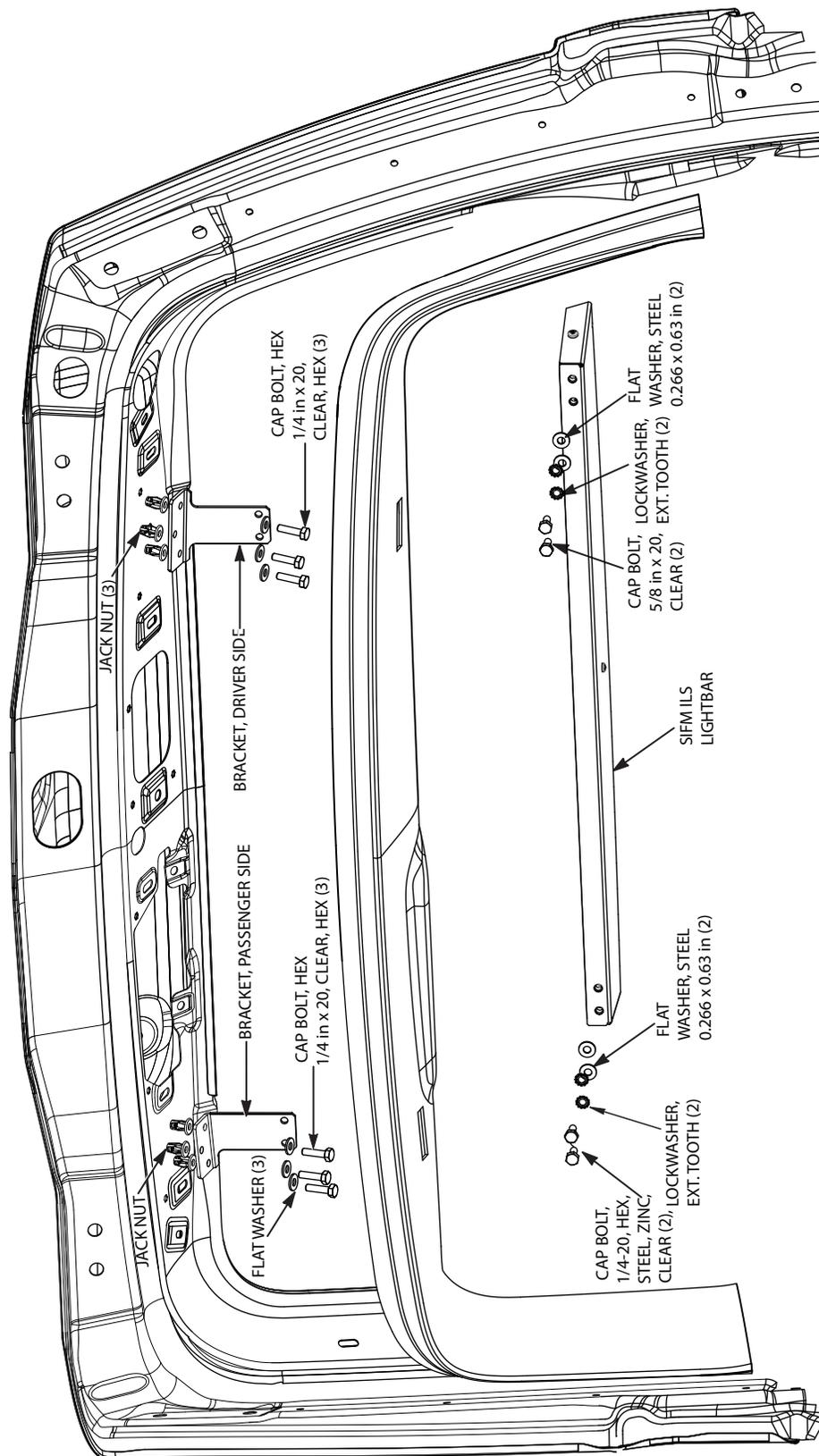


Figure 3 Exploded view of the installed ILS



Getting Technical Support and 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. Please provide a brief explanation of the service requested, or the nature of the malfunction.

For technical support and service, visit:

<https://www.fedsig.com/technical-support>

<https://www.fedsig.com/service-centers>

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.



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Customer Support

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