



FEDERAL SIGNAL
Safety and Security Systems

Grommet Mounting Kit for 416300 Light Heads on the bottom of the liftgate on the 2021 Chevrolet® Tahoe®

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. 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.



2645 Federal Signal Drive
University Park, Illinois 60484-3167

www.fedsig.com

Customer Support

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Safety Messages for Installers of Warning Lights

▲ WARNING

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

- To properly install the 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.
- 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, ensure that both sides of the surface are clear of anything that could be damaged.
- Locate the light control so the VEHICLE and CONTROL can be operated safely under all driving conditions.
- 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 mounts high-intensity LEDs. Do not stare directly into the lights at a close range, or permanent damage to your eyesight may occur.
- Refer to the instructions packed with related products for additional precautions and information.
- 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.

Product Overview

These instructions describe how to use the grommet kit to mount 416300 LED light heads to the bottom of the liftgate of the 2021 Chevrolet® Tahoe®. The light heads will point rearward.

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 1 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 Kit Contents

| Qty. | Description | Part Number |
|------|------------------------------------|-------------|
| 2 | 2021 Tahoe Liftgate 416300 Grommet | 861303788 |

Mounting the Light Head

IMPORTANT: Plan all cable routing before the installation.

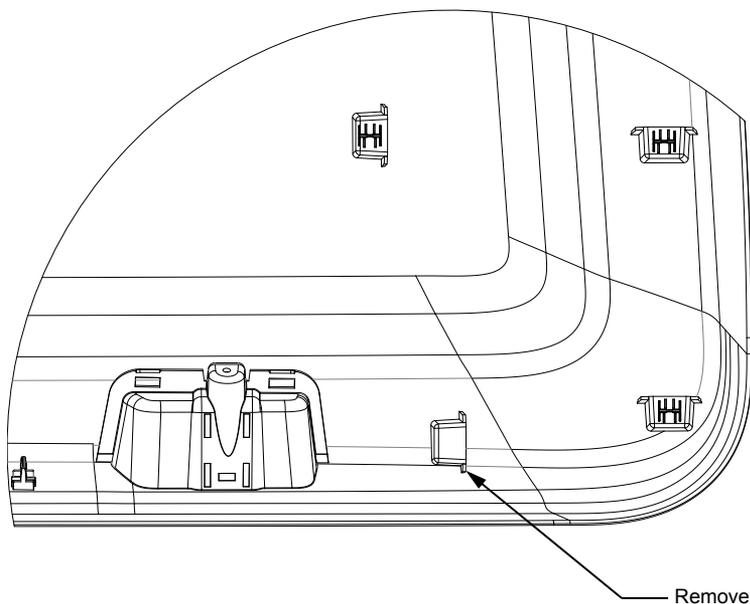
⚠ WARNING

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

To mount the light head:

1. Remove the rear liftgate trim panel according to the vehicle manufacturer's instructions.
2. Using a body panel saw or another cutting tool, carefully remove the blank mounting post shown in Figure 1. Cut it flush with the inside of the trim panel.

Figure 1 Remove Mounting Post



3. Use the templates on pages 9 and 10 as guides to mark the drill hole locations on both the driver and passenger side of the trim panel. Peel back some of the insulation if necessary.

NOTICE

DRILLING PRECAUTION: When drilling holes, check the area you are drilling into to ensure 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.

4. Drill two 1.75-inch holes in the two marked locations.
5. Install a grommet in both of the drilled holes and ensure that the "up" marking is facing up. See Figure 2.

Figure 2 Grommet Position



- 6.** Prepare the wiring inside the vehicle.
- 7.** Reinstall the trim panel to the vehicle and pass the previously prepared wiring through the two grommets during the reinstallation.
- 8.** Complete the wiring to the two light heads and install them into the grommets by applying pressure. See Figure 3 for the finished installation.

Figure 3 Final Installation



- 9.** Test the lights for proper operation.

Figure 4 Driver Side Template (Not to scale)

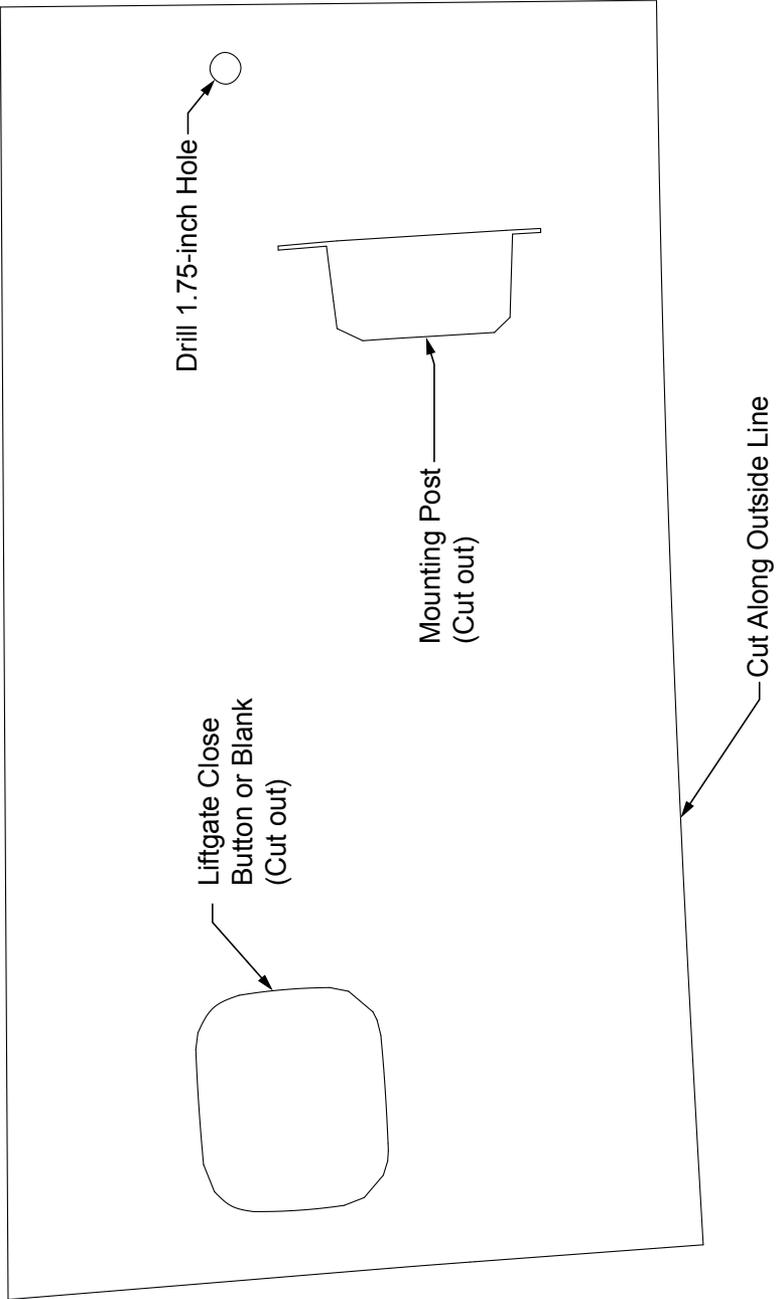
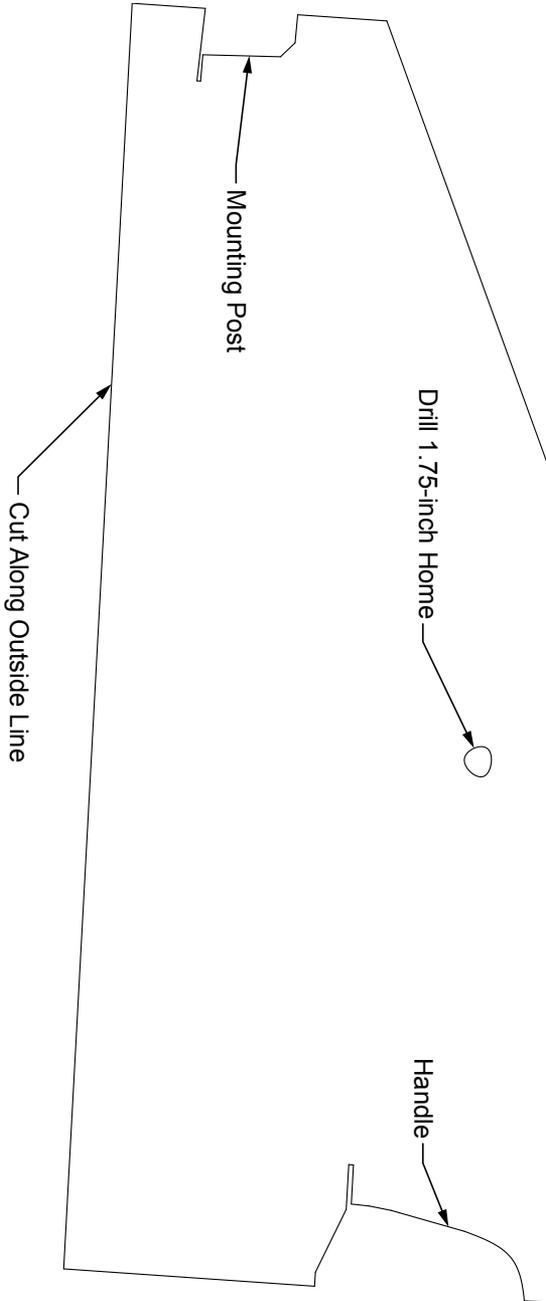


Figure 5 Passenger Side Template (Not to scale)



Getting Technical Support and Service

For technical support and service, please contact:

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