FEDERAL SIGNAL
Safety and Security Systems

Installing the DynaFlare™ Running Board Light to the Side of the 2021+ Chevrolet® Tahoe®

25500982 Rev A1 1125

Safety Message to Installers of Warning Light Equipment

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 the lighting system, 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 system 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.
- File these instructions in a safe place and refer to them when maintaining and/or reinstalling the product.
- Do not stare directly into the lights at a close range or permanent damage to your eyesight may occur.

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 DR6BKT-RB-TAH21B Mounting Kit to mount DynaFlare™ running board lights to the side of the 2021+ Chevrolet® Tahoe®.

NOTE: For electrical installation instructions, refer to the installation and maintenance instructions packed with the light head.

NOTE: Installation of DynaFlare may block jack points.

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. 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	Decription	Part No.
4	10-32 x 1/2-inch Stainless Steel Hex Bolt	7000A346-08
1	5/16 x 3/4 Stainless Steel Bolt	7002A005-12
5	M8 x 1.25 x 55 mm Bolt	70101724-01
3	M8 x 1.25 Thread Flange Nut	70501726
1	5/16 Stainless Steel Nut	7057A027
4	10-32 Stainless Steel Nylon Nut	7058061
4	10-32 Washer	7072A015
11	1.004 OD, 0.393 ID Stainless Steel Washer	7072A035
1	5/16-inch Stainless Steel Lockwasher	7074A020
5	1.5-inch OD, 0.315-inch ID Spacers	77701750
4	21 TAH Running Board Light L bracket	866005220
3	21TAH Running Board Light Drop Bracket	866004784
1	21TAH Rearmost U Bracket	866004885

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

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

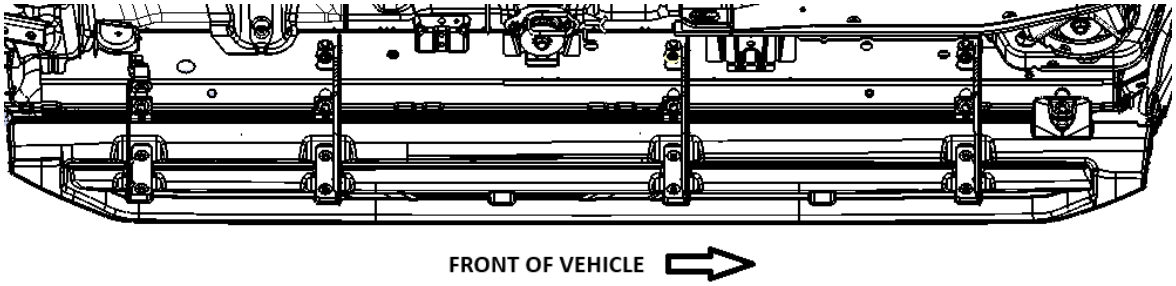
IMPORTANT: Plan all cable routing before the installation.

Each kit is meant to install one running board light.

1. Uninstall the running board brackets from the body of the vehicle. There should be nine M8 by 1.25-inch bolts holding the running board to the vehicle body. You will be reusing four of the removed bolts. The overall goal is to drop the running board 1.25 inches using spacers and install L brackets with the spacers.

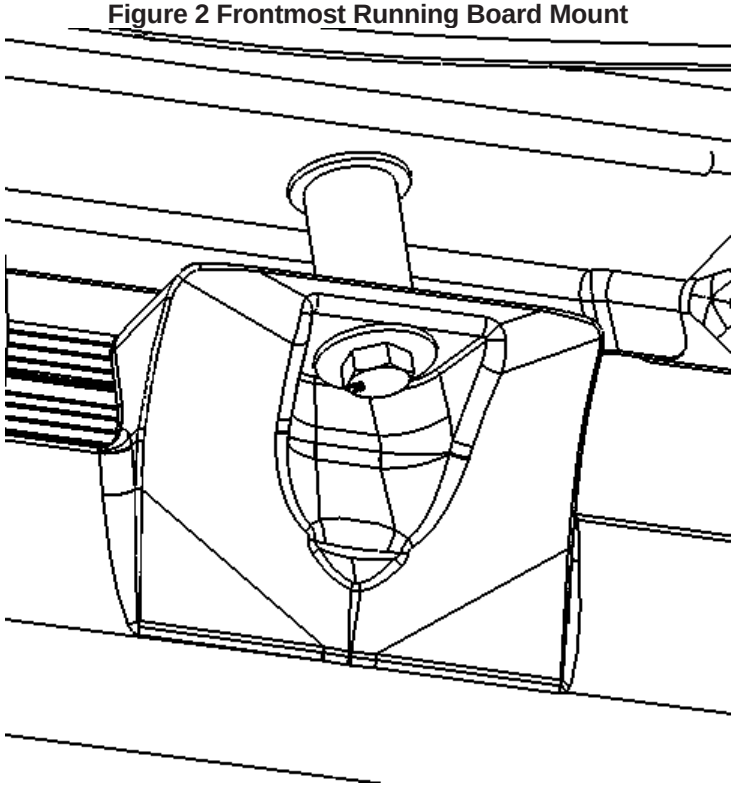
2. After removing bolts from the body, reinstall the running board with the provided running board light brackets, spacers, bolts, and washers.

Figure 1 The Five Running Board Mounting Sections



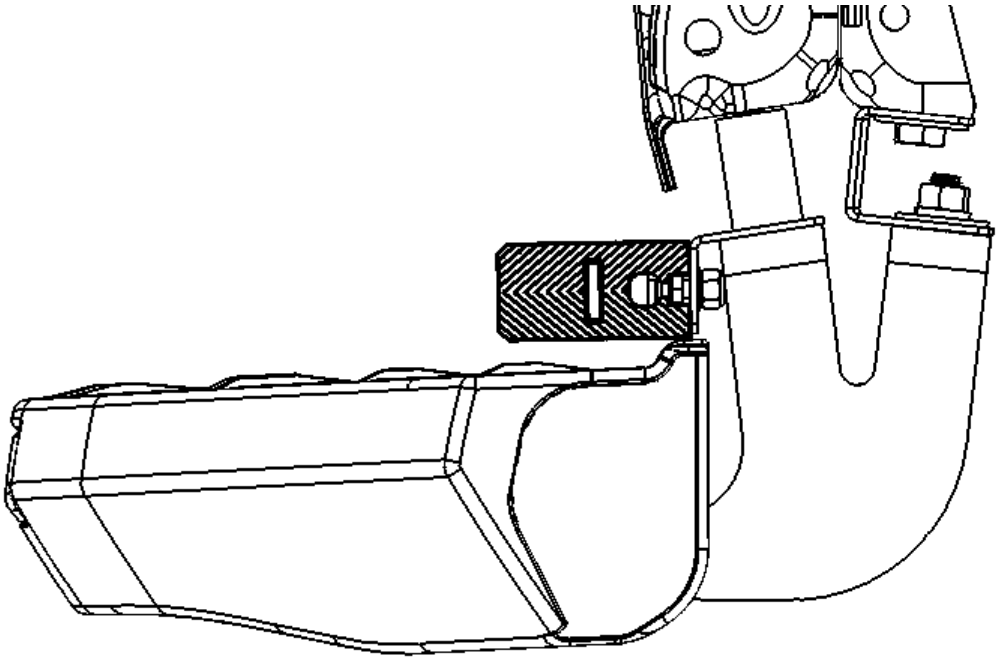
3. The frontmost mount does not get the L bracket that mounts the running board light. Instead, it uses a washer. The three middle mounts and rearmost mount sections get the L bracket to mount the running board light.

Figure 2 Frontmost Running Board Mount



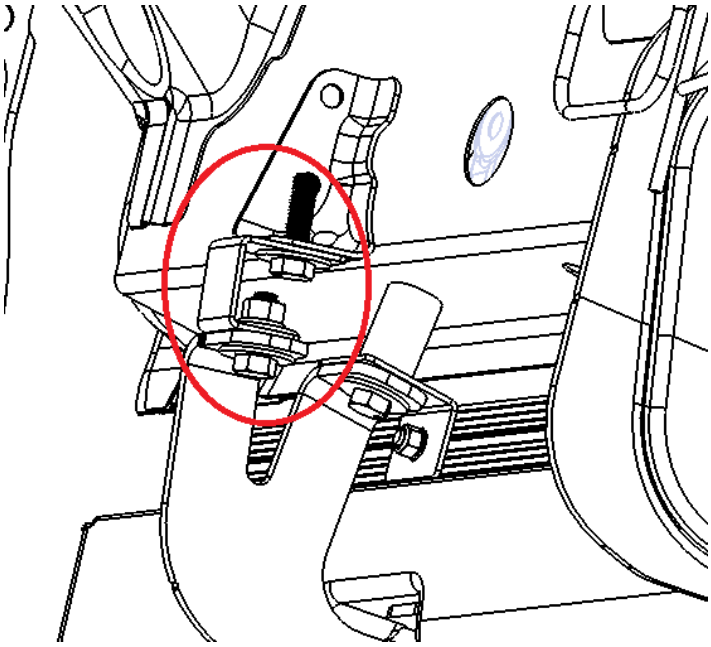
4. The assembly is an aluminum spacer, L bracket, running board bracket, washer, and bolt in the rear four lower mounting locations as shown in Figure 3. The Running Board Light should be mounted last. This is all done with the provided hardware.

Figure 3 View from Rear of Vehicle Viewing Running Board Light Attached to the L Brackets



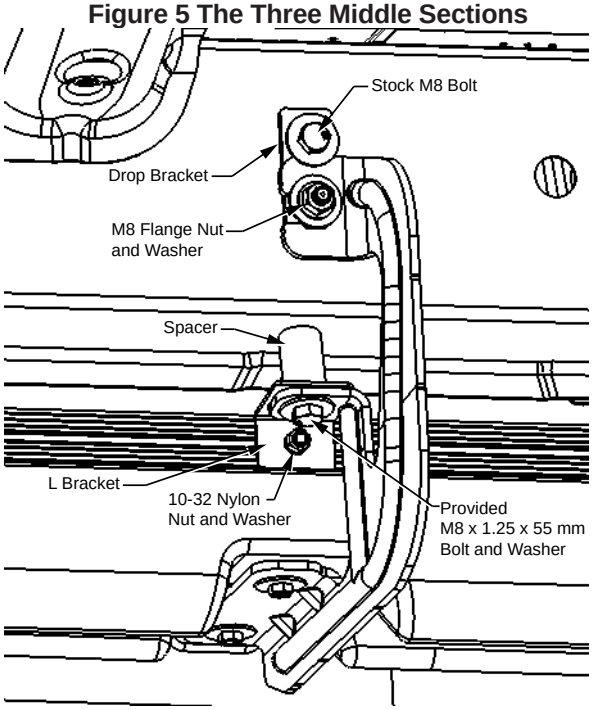
5. There is a U bracket that supports the relocation of a bolt alignment. It should be installed as the first or second bracket. This is circled in red in Figure 4. It is on the rearmost part of the vehicle. Use the stock M8 bolt to install the provided U bracket to the body (on the long flange of the bracket). And then use the provided 5/16-inch hardware to bolt the running board bracket to it.

Figure 4 Rearmost Side Bracket



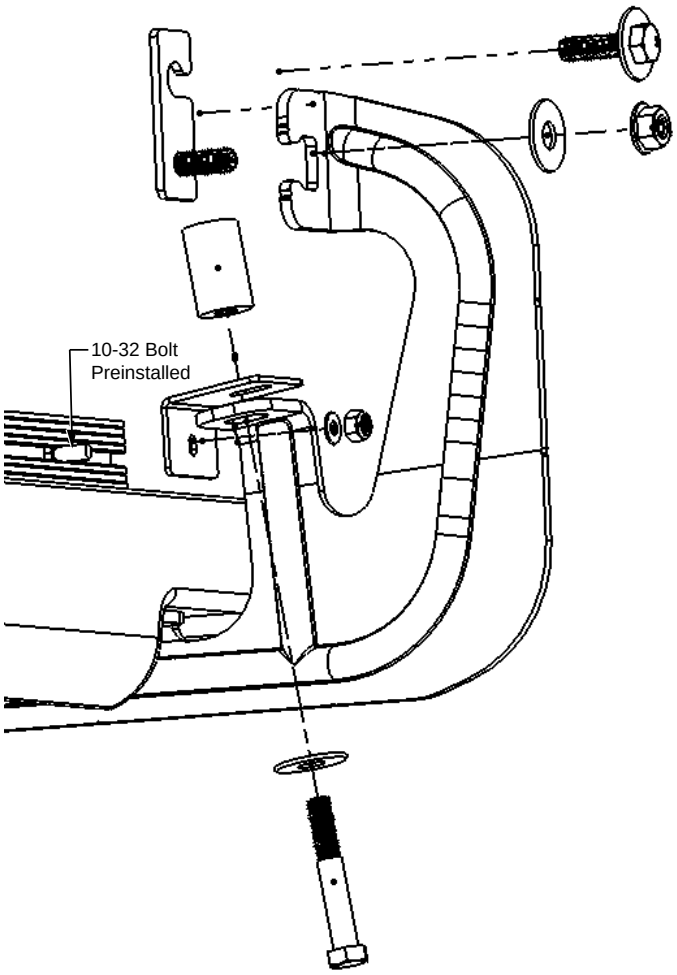
6. There are four L brackets that mount the running board light. Three locations look like Figure 5, and one location in seen in Figure 4. The three middle sections also include a drop bracket provided in the kit. To install the drop bracket, use a stock bolt to tie into the stock location while clamping the running board bracket, and use the M8 by 1.25-inch stud on the drop-down bracket to tie the running board bracket to the drop bracket using the provided washer and flange nut.

Figure 5 The Three Middle Sections



7. After all brackets are installed, install the running board light. The running board light has a C channel, the opposite side of the light lens, where you slide in the 10-32 bolt. Slide the four 10-32 bolts inside the channel, and adjust them to the locations of the L brackets. You can see the 10-32 bolt installed on the Running Board Light on the left side of the image in Figure 6. Align and install the bolts with the brackets, and secure them with the 10-32 washers and nylon nut.

Figure 6 Exploded View



⚠ 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 the lights at a close range or permanent damage to your eyesight may occur.

8. Test the lights for proper operation.

Getting Technical Support

For technical support, please contact:

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

Getting Repair Service

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

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