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Safety Message to Installers and Service Personnel 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 the lighting and siren systems, 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 and siren systems 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.
- Do not stare directly into the lights at a close range or permanent damage to your eyesight may occur.
- All effective sirens and horns produce loud sounds (120 dB) that may cause permanent hearing loss. Always minimize your exposure to the sound of the siren and horn and wear hearing protection. Do not sound the siren and horn indoors or in enclosed areas where you and others will be exposed to the sound.
- 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.

Overview

This publication has instructions for replacing the 17501969A Cable in the Allegiant light bar with the 17501969A Cable for the Allegiant light bar with the External Stop, Turn, Tail Option.

NOTE: For electrical installation instructions, refer to the Installation and Maintenance Instructions included with the siren and light head.

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	17501969A Cable

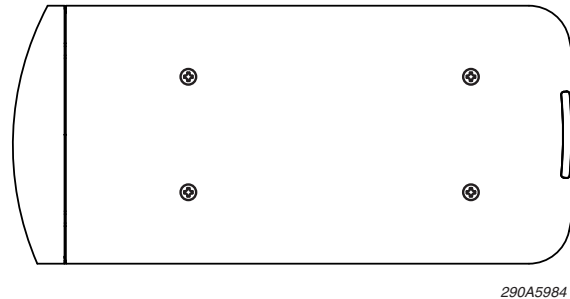
Removing the Lens

The dome covers the ROC (Reliable Onboard Circuitry) PCBs and controller PCB.

Tool required:

- T27 Torx driver

Figure 1 Four barrel nuts in passenger side end dome



To remove the lens:

1. Disconnect all power to the light bar at the battery.
2. Use a T27 Torx driver to remove the 1/4-20 Torx-head barrel nuts securing the passenger side of the dome. See Figure 1. Carefully remove the dome. Avoid damaging the lip seal.
3. Verify that an O-ring is under the head of each barrel nut and not stuck to the dome. Use a wooden or plastic pick to carefully remove the O-rings from the dome to prevent damaging them.
4. Inspect the O-rings and the lip seal for deformation, brittleness, cuts, or tears. To maintain water tightness, replace any questionable O-rings or seals.
5. Inspect the dome for cracks, crazing (hairline cracks) and other defects.

Replacing the Cable

To replace the cable:

1. Flip over the passenger end board.

Figure 2 Circuit board



2. Disconnect the wire at connector J2.

Figure 3 J2



3. Attach the 17501969A Cable to the existing Stop, Turn, Tail Cable.

Figure 4 Attaching the cables



Reinstalling the Dome

4. Attach the other end of the 17501969A Cable to the connector at J2.

Figure 5 Attaching the cable to the circuit board



Installing the Allegiant™ Light Bar with Stop, Tail, Turn Option

To reinstall the dome:

1. To prevent cross-threading the barrel nuts, back them counterclockwise until you hear the click of the threads engaging.
2. Tighten the barrel nuts to 16-24 in-lb.

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 a 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



2645 Federal Signal Drive
University Park, Illinois 60484-3167

www.fedsig.com

Customer Support

Police/Fire-EMS: 800-264-3578 • +1 708 534-3400

Work Truck: 800-824-0254 • +1 708 534-3400

Technical Support: 800-433-9132 • +1 708 534-3400

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