

**Safety Message to 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.
- 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.
- In order 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 will provide an effective ground path as long as the light system is to be used.
- Do not attempt to activate or deactivate 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.
- File these instructions in a safe place and refer to them when maintaining or reinstalling the product.

Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death.

**Introduction**

Federal's Littlite® gooseneck lamp is a sleek, low-profile lamp designed to produce light in a concentrated area. The high-intensity halogen lamp produces bright white light that can be aimed exactly where it is needed. The included red filter slides into place for night vision use. Littlite lamps are suitable for use in police, fire, ambulance, emergency, and utility vehicle applications.

The lamps are available with your choice of an on/off switch or a dimmer control. They are designed for operation on 12 volts DC and require 250 to 500 milliamperes (less when dimmed).

**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

Qty.	Description
2	#6-32 x 1/2 Machine Screw
2	#6 x 1/2 Thread-forming Screw
2	#6 Split Lockwasher
2	#6 Flat Washer
1	Red Filter

### Installing the Light

**▲ 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.

To install the control head:

1. Remove and retain the two Phillips® head screws that secure the top to the base.
2. Remove the base from the top. Using the base as a template, scribe two drill position marks at the selected location.

**NOTICE**

**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.

3. Drill two mounting holes at the position marks.
4. Secure the base in position using the #6 x 1/2-inch thread-forming screws.

**NOTE:** If applicable, use the #6 machine screws, flat washers, and lockwashers to mount the base.

5. Reassemble the unit using the previously removed Phillips head screws.

**▲ WARNING**

**BURNING/EXPLOSION HAZARD:** Touching the lamp when it is hot may result in serious injury. Always allow the lamp to cool before removing it. Halogen lamps are pressurized and, if broken, can result in flying glass. Always wear gloves and eye protection when handling the lamps.

**NOTICE**

**DO NOT TOUCH GLASS:** The lamp's service life will be shortened if the glass portion is touched. If the glass has been handled, clean it carefully with a grease solvent.

A red, formed, plastic filter is included.

The filter slides in the slots in the edges of the high-intensity hood and is easily moved from the storage position above the gooseneck end to the working position above the bulb.

To install the appropriate filter, slip the end of the filter with the flat area into the edge slots in the end of the hood, and slide it in until the flap on the opposite end snaps past the hood end plug.

The filter should now slide up over the bulb and against the end cap for use or down away from the bulb and over the bulb socket for storage.

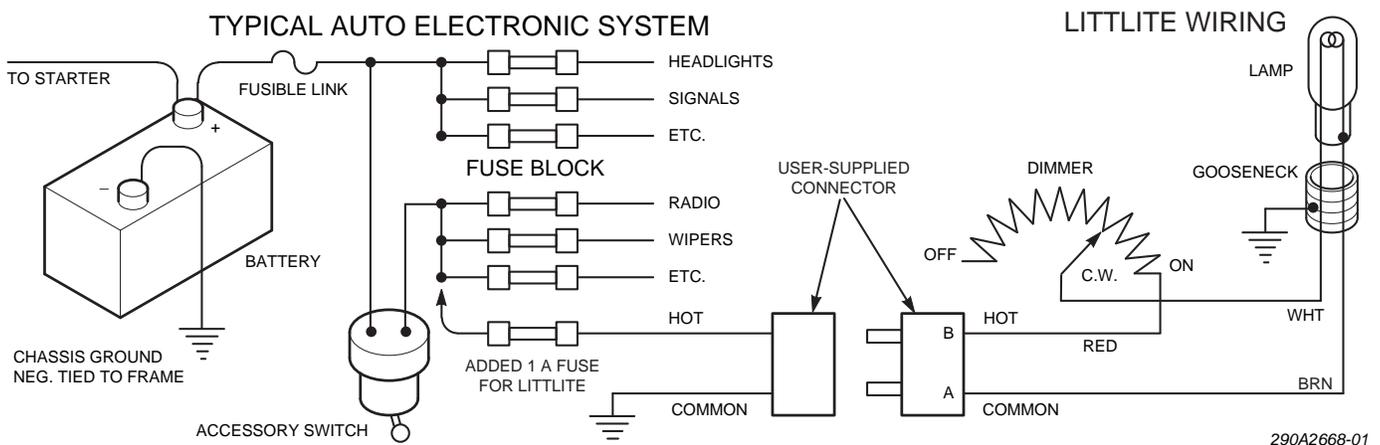
The filter must be installed in the proper direction. The end with the flap between two notches should be toward the closed end of the hood so the flap hits the end cap, preventing the filter from sliding out of the hood. The end with the flat area should be toward the lamp socket so it will slide over the socket for storage.

## Wiring the Light

### ⚠ WARNING

**FUSE REQUIRED:** To prevent personal injury and/or vehicle component damage in the event of a short circuit in the power leads, install a fuse in the red lead.

Figure 1 Wiring



To wire the light:

1. Connect the brown lead to the vehicle chassis (ground).
2. Install a user-supplied in-line fuseholder and 1 A fuse in the red lead.
3. Connect the red lead as shown in Figure 1.

## Replacing the Lamp

### ⚠ WARNING

**BURNING/EXPLOSION HAZARD:** Touching the lamp when it is hot may result in serious injury. Always allow the lamp to cool before removing it. Halogen lamps are pressurized and, if broken, can result in flying glass. Always wear gloves and eye protection when handling the lamps.

To replace the lamp:

1. Remove the color filter.

## Installing the Littlite® Gooseneck Lamp

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2. Use a pair of long nose pliers to squeeze the hood retaining clip together, and slide the hood off the gooseneck.

### NOTICE

**DO NOT TOUCH GLASS:** *The lamp's service life will be shortened if the glass portion is touched. If the glass has been handled, clean it carefully with a grease solvent.*

3. Pull the defective lamp out of the socket. Install a replacement lamp in the socket.
4. Squeeze the hood retaining clip together and slide the hood on the gooseneck. Replace the color filter.

### 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](mailto: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

### 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.



**FEDERAL SIGNAL**  
Safety and Security Systems

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Customer Support

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

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