

2561774 Rev. D2 1219

Safety Message to Installers

▲ 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 this warning 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.
- To be an effective warning device, this product produces bright light that can be hazardous to your eyesight when viewed at a close range. Do not stare directly into this lighting product at a close range, or permanent damage to your eyesight may occur.
- When drilling into a vehicle structure, ensure that both sides of the surface are clear of anything that could be damaged.
- DO NOT install equipment or route wiring or cord in the deployment path of an air bag.
- You should frequently inspect the light to ensure that it is operating properly and attached securely.
- Locate the light control so the vehicle and light can be operated safely in all driving conditions.
- Do not attempt to activate the light while driving in a hazardous situation.
- Place all warning labels provided in a visible location on the equipment.
- File this instruction sheet in a safe place and refer to it when maintaining and/or reinstalling the product.
- Follow DOT regulations when placing lights for stop, turn, tail or marker functions.

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

Introduction

The Federal Signal 4-inch round and 6-inch oval LED modules are sealed, low current devices for signaling purposes. The Federal Signal Corporation Model numbers 607100 and 607105 are suitable for stop, turn, and tail light use. Model numbers 607102 and 607106 are amber turn signal lights suitable for turn signal use when used with an external flasher. Model numbers 607125-05 and 607124-05 are reverse lights when used in pairs. Model 607130-45SB has an installed reverse light. Compliant when used in pairs.

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.

Installing the Light Kits

Read all instructions and plan all wiring and cable routing before performing any installation. Use grommets, wire ties, looms, and cable mounts (installer-supplied) as needed to secure the wiring and to prevent chafing of the wiring. A nominal 12 Vdc or 24 Vdc circuit is required to power this light. 607130-45SB is a nominal 12 Vdc device only.

1. Determine the mounting location for the light and control switch (installer-supplied). Follow all DOT regulations for the proper location of vehicle lighting and number of lights.
2. Connect the adapter cable to the vehicle’s wiring harness. It will match up to most standard harnesses. See Figure 1. Should the harness connector not match the cable, cut the harness end off and terminate with the appropriate installer-provided connector(s). See Table 1 for an explanation of the adapter cable colors and their functions. 607130 will have an additional connection for the reverse light.

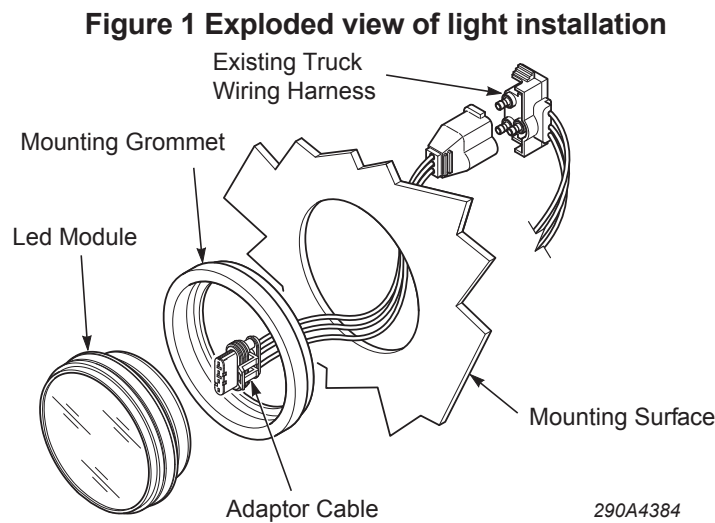


Table 1 Wires, connections and Functions

Wire Color	Circuit Number at Connector	Marking on Lamp Housing	Function		
			Stop/Turn/Tail	Reverse	Stop/Turn/Tail/Reverse
White	1	GND	Negative Ground	Negative Ground	Negative Ground
Black	2	TAIL	Tail Positive	NA	Tail Positive
Red	3	STOP/TURN	Stop/Turn Positive	Reverse Positive	Stop/Turn Positive
Blue	4	N/A	N/A	N/A	Reverse Positive

3. Connect the watertight connector end to the LED module. Use silicone dielectric grease to lubricate the connector gasket if the grease in the socket has been depleted.
4. If a mounting hole is not available for the light at the desired location, install the Federal Signal Corporation Model No. 601320 (round) or No. 610310 (oval) bracket kit. Position the rubber mounting grommet into the opening for the light with the lettering upright.
5. Orient the LED Module with the lettering upright and push it into the gasket until seated. Apply pressure to the top and bottom alternately. A firm, steady pressure is required.

⚠ 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.

6. Review the wiring and check for proper operation.

Getting Technical Support and Service

For technical support and service, please contact:

Service Department
Federal Signal Corporation
Phone: 1-800-433-9132
Email: empsserviceinfo@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 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 Drive
University Park, IL 60484-3167



FEDERAL SIGNAL
Safety and Security Systems

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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