

**INSTRUCTION SHEET
FOR
COMPARTMENT LIGHT MODEL 607141-05**

SAFETY MESSAGE TO INSTALLERS



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. In addition, 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.
- When drilling into a vehicle structure, be sure 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 securely attached.
- Locate light control so the vehicle and light can be safely operated 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.

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

A. GENERAL.

The Federal Signal Model 607141-05 is a 4-inch round, LED, sealed, low current, light module to be used as a compartment illumination device. The device can be operated at 12 or 24 VDC, drawing 0.2 amps and 0.1 amps respectively. The unit has an operating temperature of -30° C to +65° C. It can be mounted in either vertical or horizontal positions on the vehicle's interior or exterior surfaces.

B. UNPACKING.

After unpacking the part, inspect it for damage that may have occurred in transit. If it has been damaged, 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.

C. INSTALLATION.

NOTE

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.

1. Determine the mounting location for the light and control switch (installer-supplied).



Do not connect this system to vehicle battery until ALL electrical connections are made and the mounting of all components is complete.



To provide safe operation, the user supplied power control switch and wiring must be capable of handling the rated current of the fuse at the source.

▲WARNING

The selection of the wire gauge for the input power and the determination of the current rating of the fuse for the input power is important. It should be determined by a technician having a good understanding of automotive electrical procedures and systems, along with proficiency in the installation and use of safety warning equipment.

2. Route a wire from the power source (+12-24 VDC) to the switch location. Install a user-supplied fuse and fuseholder as close to the power source as possible.

▲CAUTION

Before cutting or drilling holes in any part of a vehicle, be sure that both sides of the mounting surface are clear of parts that could be damaged; such as brake lines, fuel lines, electrical wiring, or other vital parts.

3. Determine the mounting location for the light and user supplied control switch. Cut a 4-1/2" round opening for the light at the desired location, or install

the Federal Signal Corporation Model 601320 round bracket kit. Orient the grommet with the lettering upright and insert it into the opening for the light.

4. Route a wire from the switch to the desired location of the light.

5. Route a wire from the light installation to the nearest convenient chassis ground. The battery is recommended.

6. Pass the routed wires through the light mounting grommet. Allow enough excess wire to permit servicing of the light after installation.

7. Connect the white wire (-) from the light modules to a common ground. Connect the red wire (+) from the light module to the power source wire coming from the switch.

8. 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 needed.

9. Review wiring and check for proper operation.

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