

**MAINTENANCE INSTRUCTIONS
 FOR
 ARJENT™ SL XCALS ALLEY LIGHT ASSEMBLY**

**SAFETY MESSAGE TO INSTALLERS
 OF
 FEDERAL SIGNAL LIGHT SYSTEMS**

⚠ 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. In addition, listed below are some other important safety instructions and precautions you should follow:

- To properly install a light assembly: 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.
- A light system is a high current device. In order for it 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.
- Locate light system controls so the **VEHICLE** and **CONTROLS** can be operated safely under all driving conditions.
- This product contains high intensity LED devices. To prevent eye damage, **DO NOT** stare into the light beam at close range.
- You should frequently inspect the light system 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 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.

I. UNPACKING/INSTALLATION.

Refer to the instruction sheet supplied with the Federal Signal Arjent SL lightbar (part number 2562039) for complete information.

II. BASIC MAINTENANCE.

⚠ WARNING

High voltages are present inside the lightbar. Wait at least ten (10) minutes, after shutting off power, before servicing this unit. Failure to do so may result in property damage, serious injury, or death to you or others.

Disconnect **ALL** power to the lightbar before any maintenance is performed.

Table 1. Electrical Connections (reference).

Wire Color	Functions
GRN	Right Alley
ORG	Left Alley

A. Halogen Lamp Replacement.

⚠ WARNING

A serious injury may result if lamp is touched when hot. Always allow lamp to cool before removing. Halogen lamps are pressurized and if broken can result in flying glass. Always wear gloves and eye protection when handling the lamps.

CAUTION

Service life of lamp will be shortened if glass portion is touched. If glass has been handled, clean carefully with a grease solvent.

See figure 1. Refer to table 2 and replace the defective lamp with an exact replacement only.

B. Cleaning Reflector Assemblies.

Use a soft tissue to clean the reflectors. Avoid heavy pressure and the use of caustic or petroleum base solvents which will scratch or dull the surface.

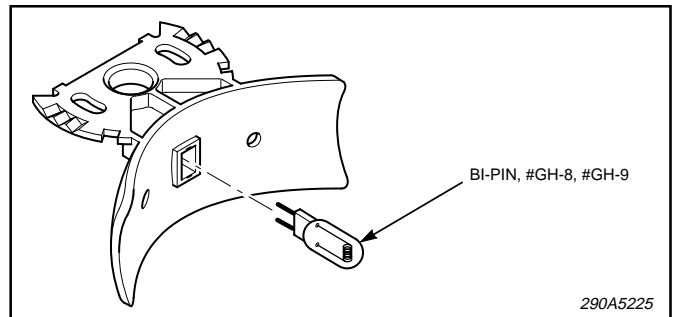


Figure 1. XCALS Reflector.

Table 2. Replacement Lamp.

FUNCTION	REPLACEMENT LAMP
Alley, XCALS	50W Halogen, GH-8 (bi-pin) Part No. 8107169