

INSTRUCTION SHEET FOR 25AK ALLEY LIGHT KIT

SAFETY MESSAGE TO INSTALLERS OF FEDERAL SIGNAL LIGHT SYSTEMS

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 kit: you must have a good understanding of automotive electrical procedures and systems, along with proficiency in the installation and use of safety warning equipment.
- You should frequently inspect the light system to ensure that it is operating properly and that it is securely attached to the vehicle.
- Refer to the instruction sheets packed with related products for additional precautions and information.
- File these instructions in a safe place and refer to them when maintaining and/or re-installing 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.

This instruction sheet provides directions for the proper installation of the Model 25AK alley light kit in Federal AeroDync® light bar Models 24, 24M, 24ML, and 25. Alley lights can be installed at both ends of the light bar and are especially useful when illuminating an alley, storefront, etc. Mirrors (supplied), when installed at the bulkhead, provide light to the side.

NOTE

For maximum lighting effectiveness when alley lights are installed, it is recommended that a rotator option be installed next to the bulkhead.

If installation of the Model 25AK in another mounting location or in any other product is chosen, the safety and effectiveness of the final design must be carefully evaluated.

After unpacking the alley light kit, carefully check all envelopes, shipping labels and tags before removing or destroying them. Ensure that the parts listed in the KIT CONTENTS LIST are contained in the packing carton.

B. KIT CONTENTS LIST.

Qty.	Description	Part Number
2	Stationary Light Assy.	8542611
2	Lamp, 12V, 50W, #795	8107A119
12	Screw, Thd. Frm., Hex Hd., #10-32	7011A122-06
4	Screw, Thd. Frm., Hex Hd., #8-32	7011A103-06
2	Mirror Assy.	8542518
1	Wire, 18AWG, WHT/ORN	T300A218-25-0012
1	Wire, 18AWG, WHT/GRN	T300A218-23-0013
2	Plate, End	8542513

C. INSTALLATION.

WARNING

If shorted to vehicle frame, high current conductors can cause hazardous sparks resulting in electrical fires or molten metal. Before proceeding, disconnect power to the light assembly at the Positive (+) battery terminal.

1. Remove the two screws located at the identification plate of each dome assembly. Slide both dome assemblies out of the extrusion.

2. See figure 1. Position a reflector assembly over the alley light mounting holes. Secure the alley light to the end plate using two #8-32 hex head thread-forming screws. Repeat on the other side.

3. See figure 2. Connect the male terminal end of the supplied white with orange stripe wire to the mating terminal at the side of the left alley reflector assembly. Connect the female terminal on the wire's other end to the terminal block position which connects to the incoming cable's orange wire.

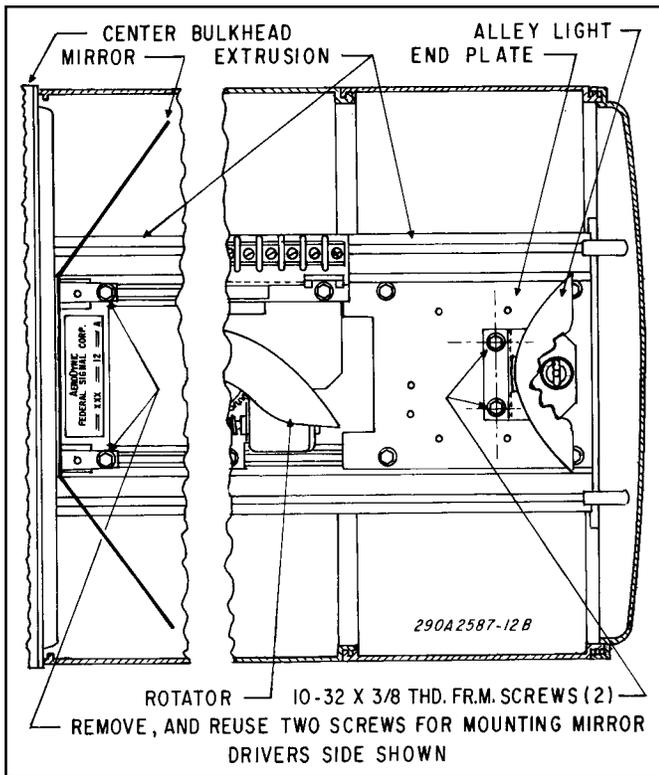


Figure 1.

4. See figure 2. Connect the male terminal end of the supplied white with green stripe wire to the mating terminal at the side of the right alley reflector assembly. Connect the female terminal on the wire's other end to the terminal block position which connects to the incoming cable's green wire.

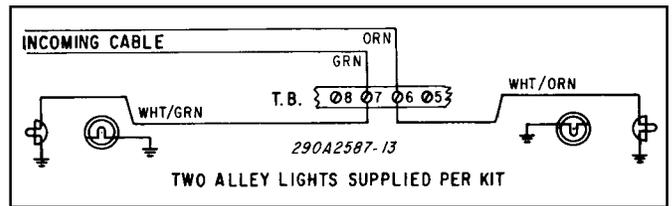


Figure 2.

CAUTION

Interference with a rotating reflector can damage the reflector or wires. Ensure that wires are dressed to prevent any interference.

5. See figure 1. Remove and retain the two #8 screws which secure the bulkhead to the extrusion. Use the two previously removed #8 screws and secure the mirror and bulkhead to the extrusion. Repeat on the other side.

CAUTION

Do not touch glass portion of lamp. If glass has been handled, it should be carefully cleaned with a grease solvent.

6. Install a lamp in each reflector assembly socket.

7. Reinstall the domes and secure with the previously removed screws. Reconnect power to the light assembly.

8. Check for proper operation of all functions.