

**INSTRUCTION SHEET
FOR
MODEL 25FK FLASHING LIGHT KIT**

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 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 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 Model 25TDK flashing light kit is designed for installation in Federal AeroDynic® light bar Models 24, 24M, 24ML, and 25. Flashing lights are designed to provide an alternating flash to the front or rear of the light assembly.

If installation of the 25FK 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 flashing 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 | Option Plate 8542496 | |
| 2 | Reflector Assembly | 8542501 |
| 2 | Lamp, 12V, 35W, #796 | 8548A028 |
| 4 | Screw, Hex Hd., Thd. Frm., #8-32 | 7011A103-06 |
| 4 | Screw, Hex Hd., Thd. Frm., #10 | 7011A122-06 |
| 1 | Lockwasher, #10 | 7075A014 |
| 1 | Adhesive Pad | 8537A533 |
| 1 | Flasher | 8554B010 |
| 1 | Wire, 18AWG, WHT/RED, 13" | T300A218-22-0019 |
| 1 | Wire, 18AWG, WHT/RED, 20" | T300A218-22-0020 |

C. INSTALLATION FOR FRONT OR REAR FLASHING.

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. Select the mounting location for the Model 25FK (see figure 1).
2. After selecting an unused mounting location, remove the two screws located at the identification plate of each dome assembly. Retain all screws. Slide the dome assemblies out of the extrusion.

NOTE

If the outermost location is selected, discard the option plate and secure the reflector assembly to the end plate with two #8-32 hex head thread-forming screws as shown in figure 2.

3. See figure 2. Position an option plate at the selected location. Position a reflector assembly, facing the front or rear as required, over the holes on the option plate. Temporarily install the dome and ensure that the reflector is aligned with the center of the dome insert. Remove the dome and secure the option plate to the extrusion with two #10 hex head thread-forming screws. Secure the reflector assembly to the option plate with two #8-32 hex head thread-forming screws. Repeat for the other side.

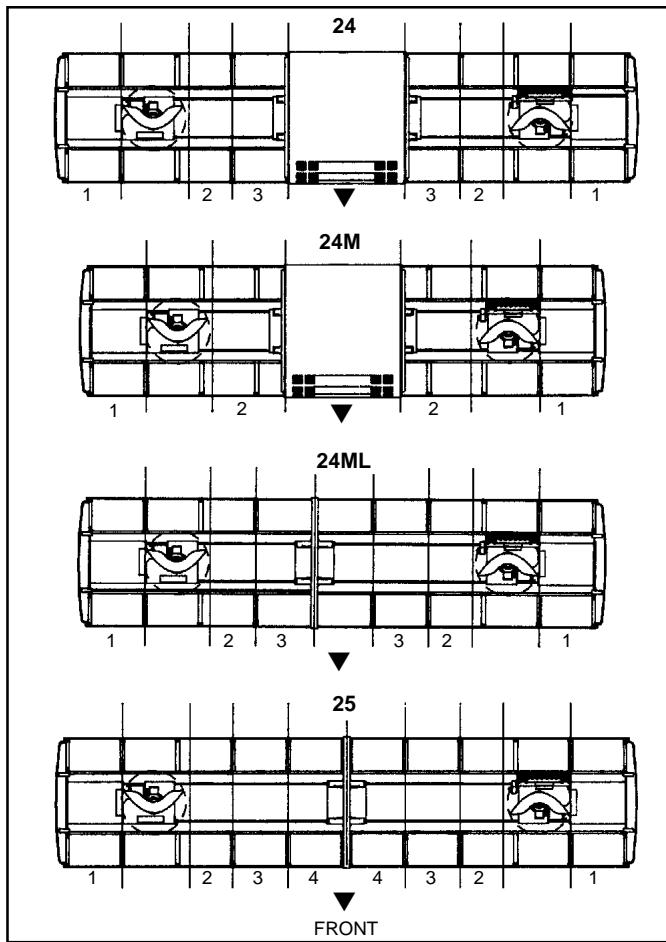


Figure 1.

NOTE

Thoroughly clean and dry both surfaces before affixing pad.

4. Locate the proper position for mounting the supplied flasher (figure 2). Remove the backing from one side of the adhesive pad (supplied) and affix the pad to the flasher. Remove the backing from the other side of the adhesive pad. Affix the flasher and pad in the desired position. Attach the ground wire from the flasher to the extrusion using the lockwasher and the #10 screw used to mount reflector (figure 2), ensuring it makes a good electrical ground.

5. See figure 3. Connect the female end of the 13" WHT/RED wire to the flasher terminal marked "X" (on the flasher). Connect the wire's other end to the terminal block position which connects to the incoming cable's blue wire.

6. See figure 3. Connect the black wire on the driver's side reflector assembly to a flasher terminal marked "L" (on the flasher).

7. See figure 3. Connect the male terminal end of the 20" WHT/RED wire to the mating terminal at the side of the other reflector assembly. Connect the female terminal on the wire's other end to the other flasher terminal marked "L" (on the flasher).

CAUTION

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

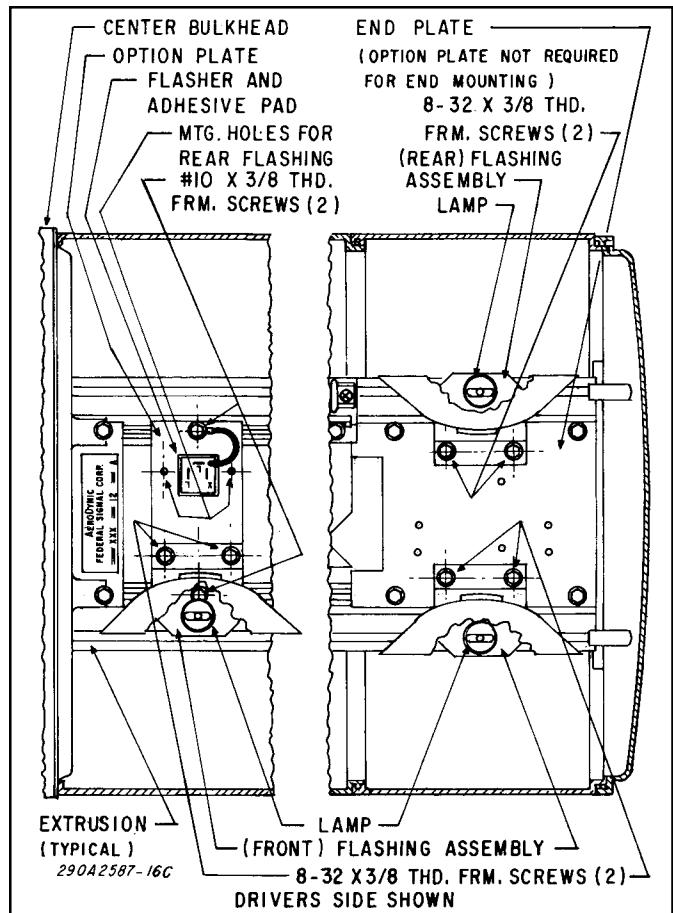


Figure 2.

8. Install a lamp (supplied) in the socket in each reflector assembly.

CAUTION

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

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

10. Check for proper operation of all functions.

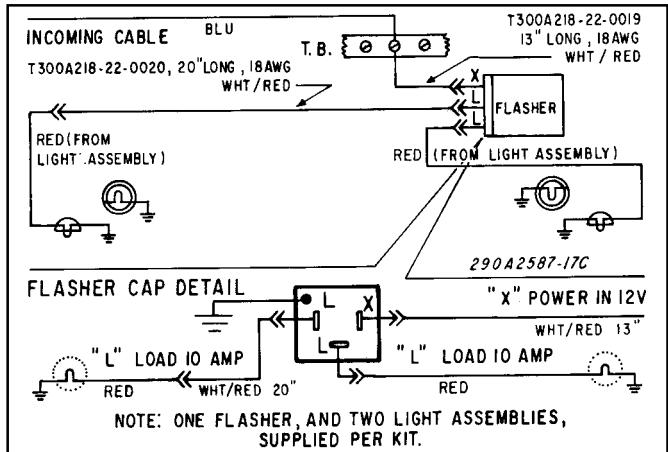


Figure 3.