

**INSTRUCTION SHEET
FOR MODEL QL64MHL
ADAPTOR PLATE FOR 6 X 4 QUADRAFLARE™ FLUSH MOUNT LIGHTS**

**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 a light assembly, you must have a good understanding of automotive electrical procedures and systems .
- When drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged.
- You should frequently inspect the light system to ensure that it is operating properly and that it is securely attached to the vehicle.
- 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.
- 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.

Federal's Model QL64MHL adaptor plate is designed to install Model QL64 flush mount light assembly in K-D lamp Company and/or Advance Technology headlight bezels. The Model QL64MHL is supplied with a stainless steel mounting plate and all necessary mounting hardware.

Before installation, ensure that the parts shown in the KIT CONTENTS LIST are included.

KIT CONTENTS LIST

Qty.	Description	Part Number
1	Adaptor Plate	8575433
2	Spacer, 1/2" Round, Alum.	230317
2	Spacer, 1/2" Round, Alum.	230317-01
4	Spacer, 3/8" Round, Nylon	230318
2	1/4-20 Screw, S.S. Phil. Pan Hd.	7000537-20
4	Screw, Phil. Pan Hd., #6	7011205-16
8	Grommet, Nut, Nylon	7065075
1	Grommet, Rubber	8108A014

B. INSTALLATION.

1. Select the headlamp bezel cavity where the QL64 light assembly will be installed. See figure 1. Remove and retain the six screws that secure the headlight bezel in position and remove the headlight bezel.

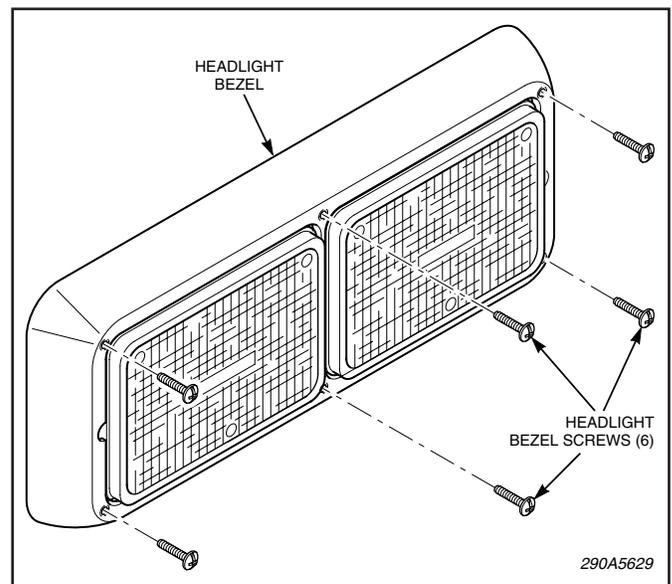


Figure 1.

2. Remove the two screws and the spring which secure the selected headlamp and bracket to the rear housing.

3. Remove the headlamp and bracket from the rear housing and disconnect the wiring. Note that the original headlamp wiring will not be used.

CAUTION

Avoid damage to brake lines, electrical wiring, and other vital parts. When drilling or cutting on ANY part of the vehicle, ensure that both sides of the surface are clear of parts that could be damaged .

4. Drill a 25/64" hole in the rear housing for the rubber grommet. Install the rubber grommet and route the 18GA (minimum) user-supplied wiring through the opening.

5. See figure 2. Install the QL64MHL plate on the light bezel using the two 1/4-20 x 1-1/4" screws and 4 aluminum spacers as shown.

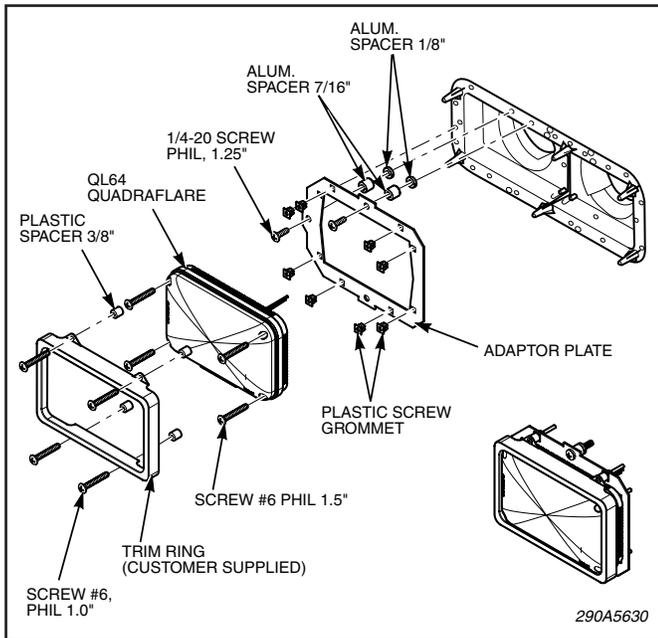


Figure 2.

6. Terminate the QL64 light wires using appropriate user-supplied connectors.

7. See figure 2. Install the QL64 light on the QL64MHL adaptor plate using the four 1-1/2" s.s. screws (supplied with the QL64) and four nylon nut grommets.

8. Secure the headlight trim ring to the QL64MHL adaptor plate using four 1" s.s. screws, four nylon spacers, and four nylon nut grommets as shown in figure 2.

9. See figure 1. Secure the headlight bezel and rear housing using the four remaining screws.

WARNING

If wires are shorted to the vehicle frame or each other, high current conductors can cause hazardous sparks resulting in electrical fires and molten metal.

Verify that no short circuits exist before connecting to the Positive (+) battery terminal.

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

Failure to observe this WARNING will result in fire, burns and blindness.

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