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Oscillating Mechanism Retro-Fit for 4000 Plus & 5000 Plus Lightbar

The outer surfaces of this light may be cleaned with mild soap and water. Use of any other chemicals may void product warranty. Do not use a pressure washer.

Removal of Existing Rotating Lights...

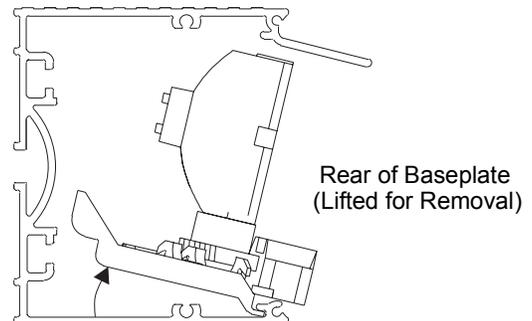
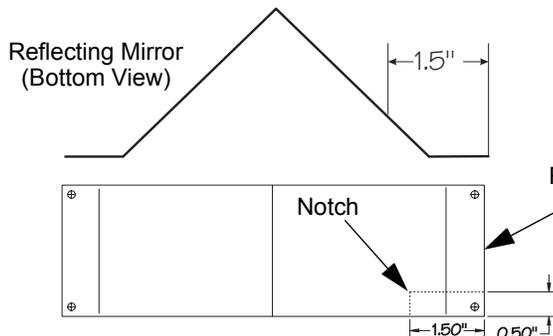
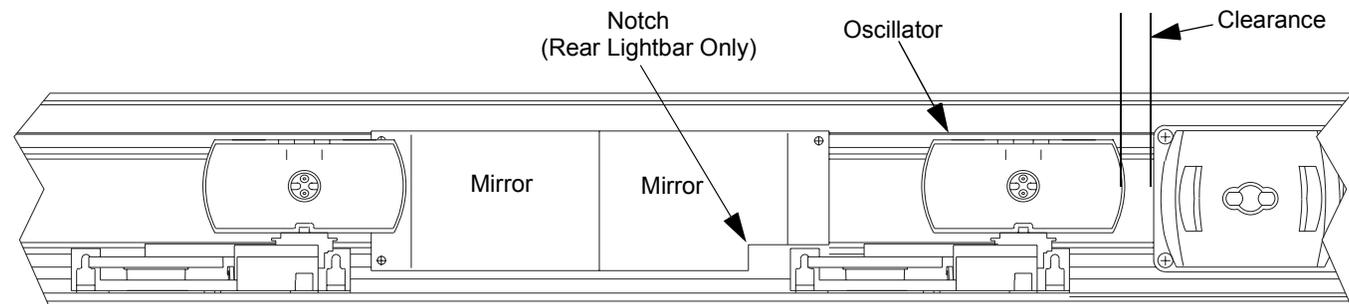
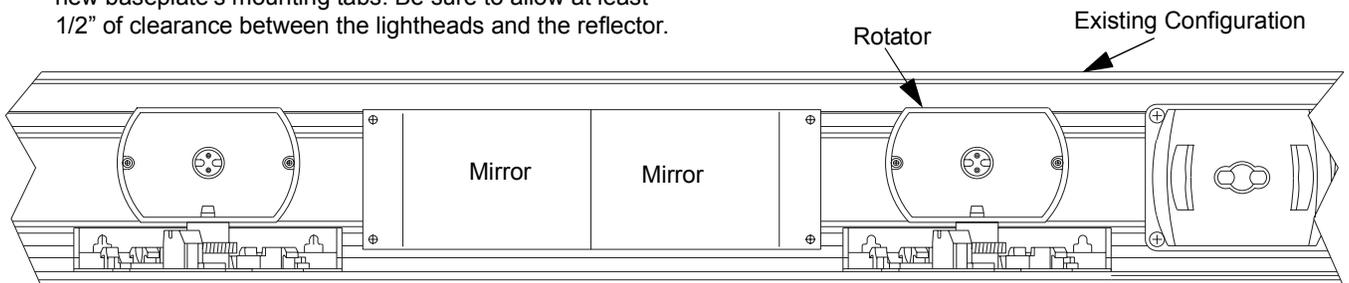
1. Remove the endcaps and lens' to gain access to the rotating light.
2. Disconnect the plug for the assembly and loosen the two Phillips Head screws that secure the light assembly to the extrusion.
3. Lift the rear of the baseplate, move the baseplate towards the rear of the extrusion and remove the assembly from the extrusion.

Installing the Oscillating Light Assembly...

1. Before installing the new oscillating light, the reflector must be facing forward.
2. Place the oscillating assembly in the same location as the previous rotator. Re-align the old mounting screws with the new baseplate's mounting tabs. Be sure to allow at least 1/2" of clearance between the lightheads and the reflector.

Note: If you are installing the oscillating light in a rear-mounted lightbar, the reflecting mirrors directly to the left of the assembly must be removed and notched for clearance with the new light. Re-mount this mirror before continuing.

3. Connect the new oscillating light to the original rotator's power plug.
4. Insert the leading edge of the new baseplate in the slot provided in the extrusion for the original rotator.
5. Lower the baseplate until the mounting tabs are resting on the original mounting screws.
6. Tighten the mounting screws firmly. Repeat entire procedure for the remaining lights.
Before replacing the lens' and endcaps, be sure to test the lightbar for proper operation.



Oscillating Mechanism Retro-Fit for 4000 Plus & 5000 Plus Lightbar (continued) Customizing the Configuration

Adjusting The Oscillator For Increased Flash Rate...

NOTE: If the oscillating mechanism is positioned between two V-Mirrors, do not adjust it's standard configuration!

The Oscillating mechanism was designed sweep 180°. In the standard configuration, this means the oscillator will travel 90° in either direction from full front position. However, the oscillator can be configured to deliver a “double flash” off of the V-Mirror. To accomplish this, make sure that the reflector is facing straight ahead and follow these steps:

1. Confirm that the oscillator's timing position, with the reflector facing straight ahead, is as shown in Fig. 1.
2. Carefully insert a small, flat blade screwdriver between the reflector gear and the baseplate (Fig.2).
3. Gently pry the reflector gear in an upward direction until the gear teeth are fully disengaged from the rack gear (Fig. 3). Do not lift the reflector any higher than this.
4. Rotate the reflector (approx. 2 or 3 gear teeth) toward it's mirror. Refer to Fig. 4 for more information.
5. Slide the reflector back down onto the baseplate so the gear teeth are fully engaged with the rack gear. Feed the lamp wires back into the baseplate to remove any slack that might contact the motor and eventually become entangled.

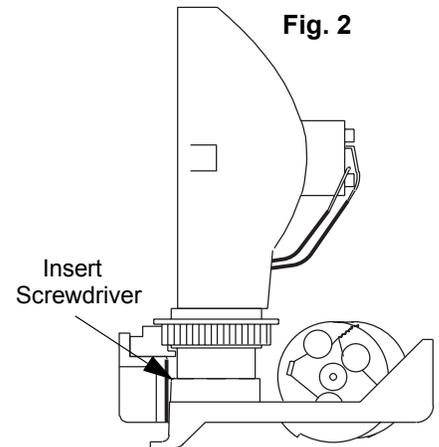


Fig. 2

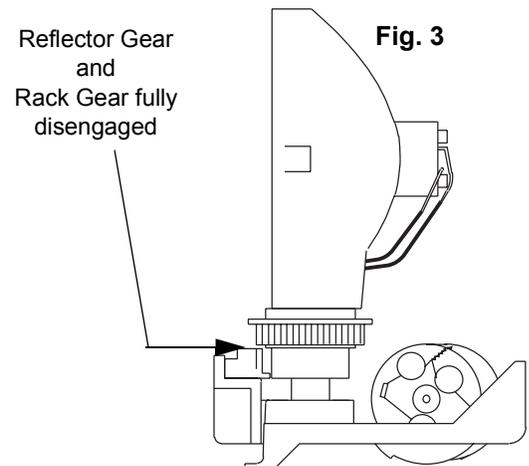


Fig. 3

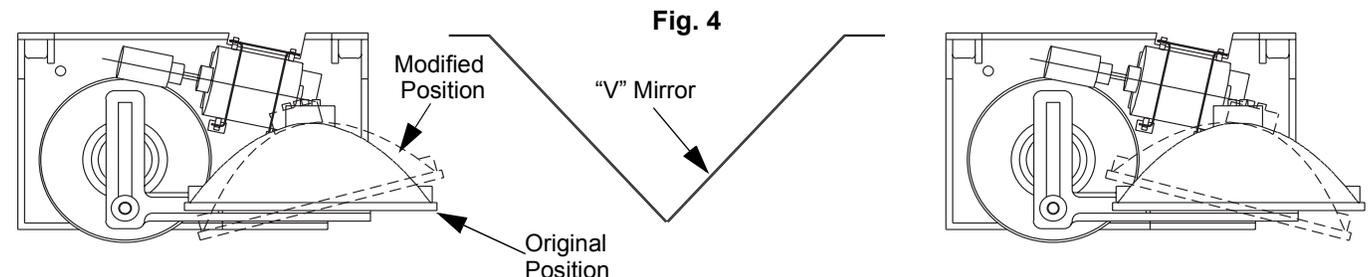
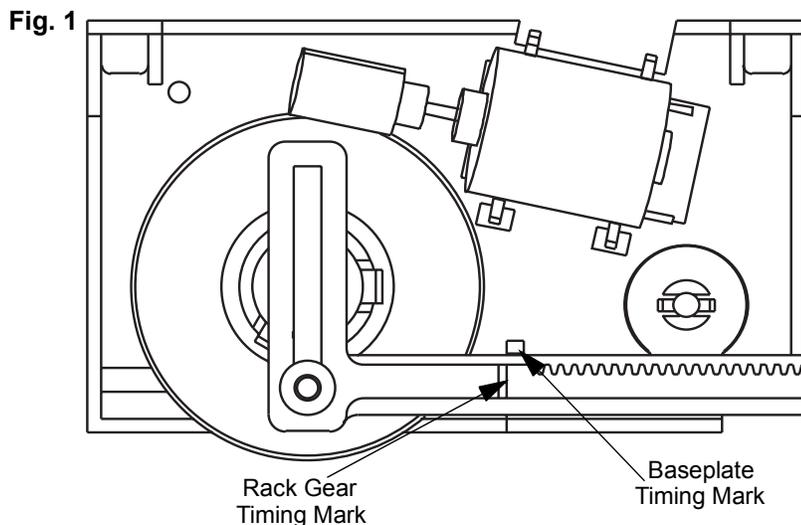


Fig. 4