



MOTOR INSTALLATION INSTRUCTIONS

To Replace ALGER-LITE Motor (REFER to Internal wiring diagram)

1. Determine electrical circuit which supplies power to the ALGER-LITE.
2. Turn "off" power to ALGER-LITE by flipping "off" the appropriate circuit breaker in your fuse box. This ensures all electrical power going to the ALGER-LITE has been turned off.
3. Remove the ALGER-LITE from ceiling.
4. If mounting plate has not already been removed from the back of the ALGER-LITE box, do so by removing the two screws on each side of the ALGER-LITE cabinet.
5. Loosen screws connecting wires to bulbs and remove bulbs from the light bar.
6. Working from the back of the ALGER-LITE cabinet, use an Allen wrench to loosen set screw holding light bar to motor shaft (Note: After loosening set screw, light bar should swing freely).
7. Loosen set screw securing other side of light bar; remove small pin to which the light bar is secured. (Note: care should be taken not to lose this small pin.)
8. Remove three machine screws securing the motor to the ALGER-LITE cabinet.
9. Remove the single machine screw securing the "baffle" to the left side of the light cabinet.
10. With light bar facing the inside of the cabinet, carefully slide the light bar off the motor shaft (Note: it may be necessary to gently push on the light bar at the end opposite the motor so that it clears the flange and can slide completely off the motor shaft.
11. Now the motor itself can be removed.
12. Disconnect the old motor wires and re-connect the wires from the new motor exactly as shown in the diagram (Note: it is easiest to cut and re-connect one wire at a time to avoid incorrect connection of the new motor).
13. Slide "baffle" and motor back into light cabinet and start three motor mounting screws in the threaded motor holes. **DO NOT TIGHTEN** motor screws at this time.
14. Secure the "baffle" to the left side of the light cabinet with the single machine screw (from step 9 above).
15. With light bar facing the inside of the cabinet, **GENTLY** slide the light bar onto the motor shaft with a gentle twisting motion until the opposite end can again be brought into place.
16. Re-insert small pin (from step 7 above) through the light bar on side opposite the motor shaft, making sure pin goes through light bar and into mounting bracket.
17. Tighten the set screw to secure the light bar to the pin. ***Do not secure light bar to motor shaft at this time.***
18. Tighten three motor mounting screws.
19. **BEFORE** securing light bar to motor shaft, the ALGER-LITE should be mounted back in ceiling:
20. Reconnect wires going to the ALGER-LITE.
21. Turn circuit breaker back "on" to restore power to the ALGER-LITE
22. Using the motor control switch, rotate the motor until the "flat" part of the motor shaft is perpendicular to the ceiling and facing towards the bottom of the cabinet.
23. Tighten set screw on light bar to secure the light bar to the motor shaft.
24. **NOTE: Once motor is secured to the motor shaft, EXTREME** care must be taken not to rotate the light bar by hand or place any force on the motor shaft assembly. **THIS WILL STRIP THE GEARS.**