

TECH TIPS

Service Call:

Lights & or Ballast Burning Out

Tools Needed:

Multimeter
10MM wrench

Model:

AL&RL Light Towers



Tech Tips Safety Rules



Danger

Failure to obey the instructions and safety rules in the appropriate Operator's Manual and Service Manual for your machine will result in death or serious injury. Many of the hazards identified in the operator's manual are also safety hazards when maintenance and repair procedures are performed.

Do Not Perform Maintenance Unless:

- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
 - manufacturer's instructions and safety rules
 - employer's safety rules and worksite regulations
 - applicable governmental regulations
- You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this tech tip is a supplement to the service manual. Consult the appropriate service manual of your machine for safety rules and hazards.

Step 1

Suspect Voltage too High.
Switch all circuit breakers off.
Start engine.
Set multi Meter to A/C Voltage.
Switch only the Main breaker on.
Check voltage at duplex outlet.
Voltage should read between 120-126 volts.
If voltage reads 120-126 Volts, high voltage is not the problem.
Please call the factory at 1-800-536-1800
If voltage is higher proceed to step 2.



Step 2

Suspect the engine RPMs are too high.
If voltage reading is higher than 126 volts,
let's adjust the engines RPMs. Proceed to step 3.

Step 3

Start the engine, switch only the main breaker on. If you have a tachometer, adjust the engine speed to 1850 RPMs. and lock in position. This will lower the generator voltage to about 125 volts which is perfect under no load conditions. If you do not have a tachometer, this can be accomplished by using a multimeter. Simply insert the meters probes into the receptacle (see picture in step 2). Adjust engine RPMs down until multimeter is reading 125 volts. Lock in the throttle adjusting screw to maintain this voltage. Running a Light Tower with high voltage can and will damage most electrical components on the machine. Maintaining proper voltage will provide many hours of trouble free operation. If you have any questions please call the factory 1-800-536-1800

