

3. GENERATOR REPLACEMENT.

The generator in this Lantern is the very best that is made and will give satisfactory service for as much as 200 hours or more of burning—if CLEAN, UNTREATED GASOLINE is used, but if treated or doped gasoline is used it may only last ten hours. It is the part which generates the gas and in time becomes clogged with carbon and must be replaced. A new generator is inexpensive and easy to change. Keep an extra generator on hand so that you will not be inconvenienced when the old one finally clogs and must be replaced.

4. CHANGE GENERATORS.

- a. Unscrew hanger ring; remove reflector and chimney.
- b. Unscrew and lift up taper connection nut [L-122] and generator tube.
- c. Unscrew the lower end of wire retainer [L-123A] at the knurled portion—using fingers, pliers are unnecessary.
- d. Lift wire retainer and generator to clear union connection [L-121-A], swing it forward and withdraw from burner body [L-130].
- e. Insert new generator, taper connection nut and wire retainer into burner body and swing over union connection.
- f. Screw wire retainer into eccentric rod [L-124-A] lightly, using fingers, not pliers.
- g. Lower the generator over union connection and tighten taper connection nut firmly.
- h. Replace chimney, reflector, and hanger ring.

KEEP A NEW GENERATOR ON HAND.

5. LOSS OF PRESSURE—Light dims shortly after lighting.

If the Lantern is losing pressure too rapidly one or more of the following causes may be responsible for it. To test, empty all gasoline, put approximately 75 strokes of pressure into the tank, submerge in clean water and watch for air bubbles to indicate the location of leak.

- a. CAUSE: Instant light valve may not be shut off when lantern is in operation.
CORRECTION: Shut off the instant light valve firmly.
- b. CAUSE: The instant light valve packing may be loose and passing air.
CORRECTION: Tighten up the instant light valve packing nut.
- c. CAUSE: The pump may not be tightened down firmly enough.
CORRECTION: Tighten down the draw-down nut on pump.
- d. CAUSE: The vellumoid pump gasket may be dried up.
CORRECTION: Put few drops of oil on the vellumoid gasket.
- e. CAUSE: The vellumoid gasket may be worn out.
CORRECTION: Replace with new gasket.
- f. CAUSE: There may be dirt on the pump seat preventing complete seal.
CORRECTION: Carefully wipe out any visible dirt and foreign particles.
- g. PUMP DOES NOT OPERATE PROPERLY.

CAUSE: A dry pump leather washer.

CORRECTION: Unscrew pump cap, remove plunger, oil washer well and soften with fingers. Insert in pump cylinder and screw down pump cap.

PUMP HANDLE SPRINGS BACK.

CAUSE: Dirt on check valve or worn cork check.

CORRECTION: Unscrew cork check plug and clean or replace as the case may be.

7. CLEAN THE TANK.

At regular intervals rinse out the tank well with clean gasoline. This will remove any dirt or moisture that has collected.

8. MORE INFORMATION.

Should you have any difficulty which you cannot correct, WRITE US and explain the trouble. We will gladly give you special instructions.

Repair Parts List

BE SURE TO STATE NUMBER, NAME AND PRICE of the part which you want.

Prices subject to change without notice.

Part No.	Name of Part	Price
L-107	Valve Body	\$.40
L-121A	Union Connection	.24
L-122	Taper Connection Nut	.10
L-123A	Wire Needle Assemble	.20
L-124—125A	Ring and Eccentric Rod	.30
L-129	Generator Tip	.14
L-130	Burner Body	.70
L-131	Burner Tube	.20
L-132	Burner Tip and Screen	.20
L-134	Air Tube and Upright Post	.24
L-147	Pump Draw-Down Nut	.20
L-148	Vellumoid Washer	.06
L-152	Pump Cap	.14
L-153	Plunger	.40
L-156	Chimney	.90
L-157	Drew Nut	.10
L-158	Reducer Nut	.20
L-161	Mounts, each 10c; six for	.45
L-163	Burner Screw	.06
L-173	Pump Complete	1.20
L-174	Leather Washer	.08
L-175	Stop Spring	.10
L-176	Grease Retainer	.10
L-177	Cork Check	.12
L-178	Cork Check Spring	.06
L-179	Cork Check Plug	.12
L-180	Bell and Chimney base, complete	1.50
L-208	Gas Control Needle	.30
L-215	Packing Nut	.20
L-216	Gas Supply Tube	.24
L-220	Instant Light Supply Tube	.28
L-237	Reflector	1.50
L-246	Perforated Ring	.24
L-262	Hanger Ring	.20
L-270	Instant Light Control Valve, complete	.40
L-271	Gas Control Valve, complete	.50
L-272	Tank	1.50
L-310	Hollower Nut	.14
L-311	Follower	.10
L-312	Stop Washer	.08
L-360	Packing	.06
L-170	Generator Complete [Includes L-123A, L-128, L-129, L-135]	.50
	Funnel	.18
	Wrench	.12

Always Give the Name and Number of the Lantern When Ordering Repair Parts.

DIRECTIONS For Operating TURNER Gasoline LANTERN Model No. 1511 & 1512

My Lantern
is Model #1512

GASOLINE

USE ONLY CLEAR, UNTREATED Gasoline and specify that it is to be used in a gasoline pressure Appliance.

DO NOT USE (IN ANY CASE) a gasoline containing ~~gasoline~~ LESTOL, or any ANTI-KNOCK COMPOUND. It will rapidly ruin your generator. The Lantern was not designed to use it. BE CAREFUL ABOUT THE GASOLINE.

DO THESE THINGS

1. Read Directions Carefully.
2. Use Only Good, Uncolored Gasoline.
3. Operate Exactly As Instructed.
4. Keep ALL Packing Nuts Tight to Prevent Leakage.
5. Always Let Air Out of Tank After Using.

KEEP THESE DIRECTIONS

THE TURNER BRASSWORKS
Sycamore, Ill. U.S.A.

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