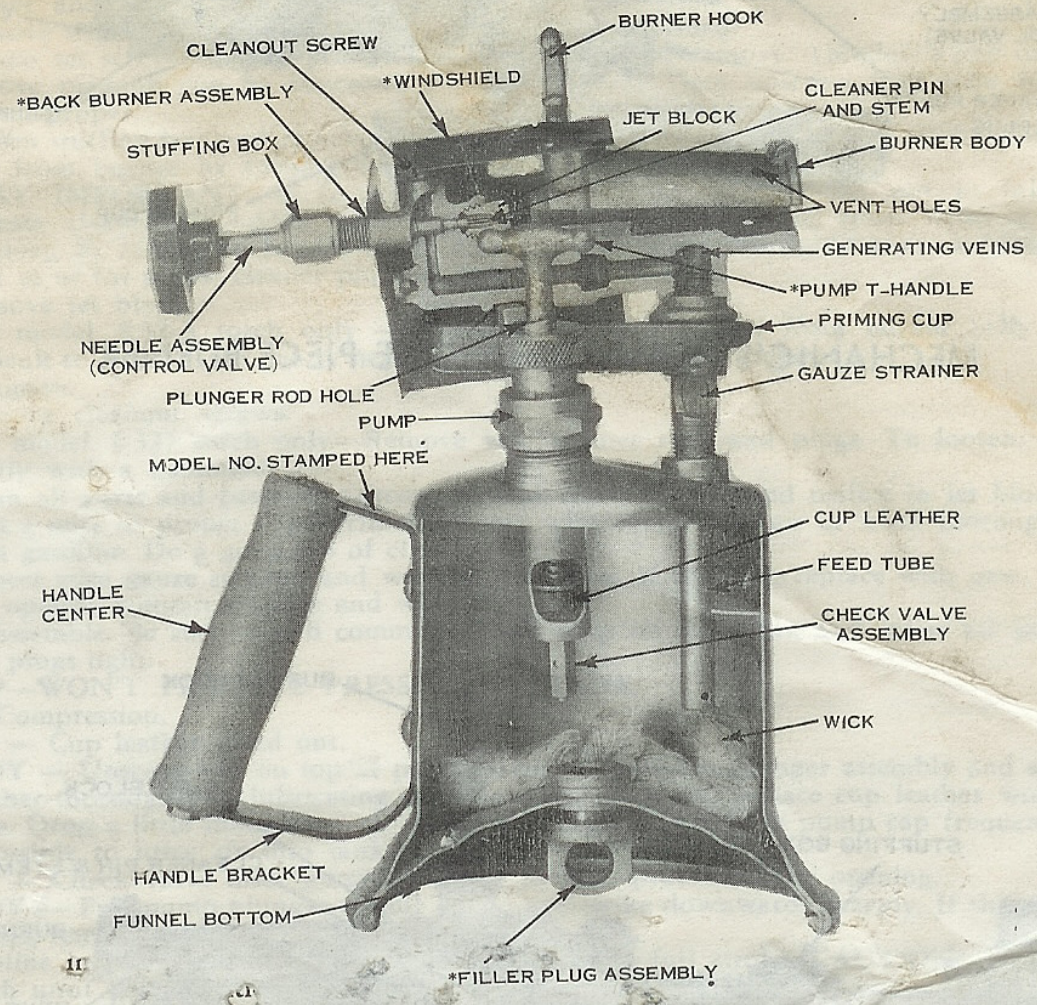
Directions for C & L Gasoline Torches

Read Carefully

Sectional views of different design torches are pictured to indicate parts referred to in operating directions and instructions. Description of parts are common to all models except as noted by asterisk.

* Windshield * Pump T-handle * Filler Plug * Back Burner Assembly

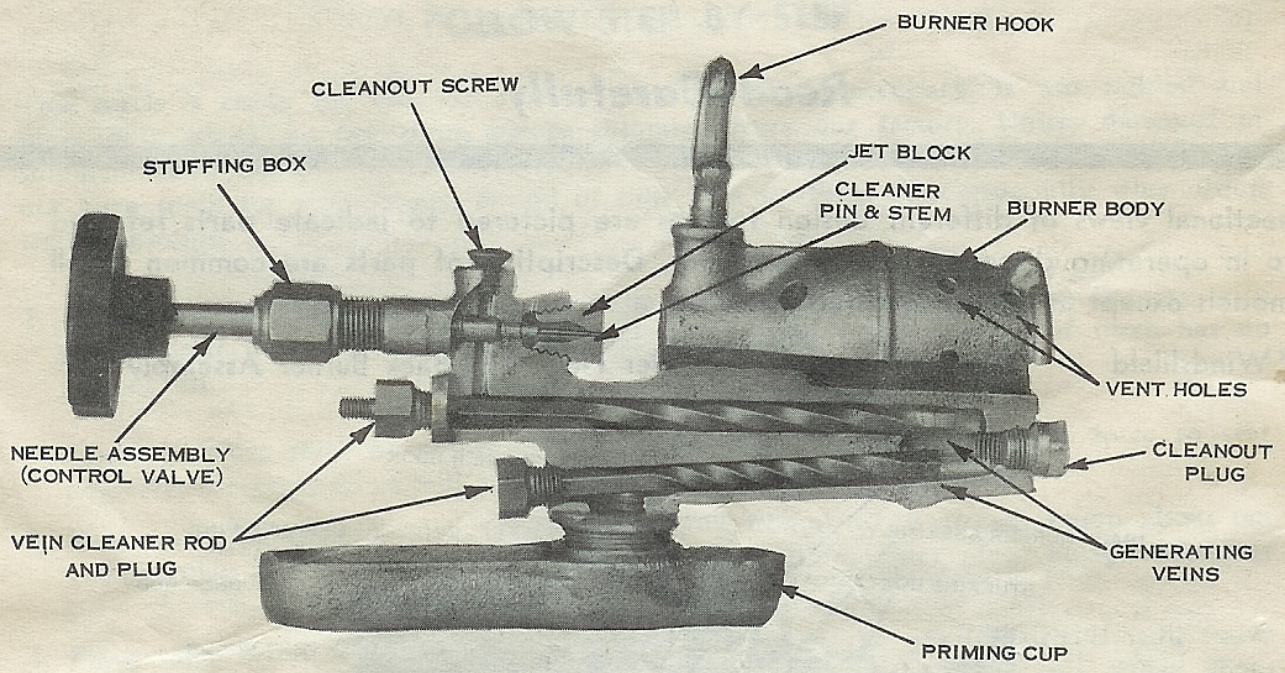


MECHANIC'S TWO PIECE BURNER

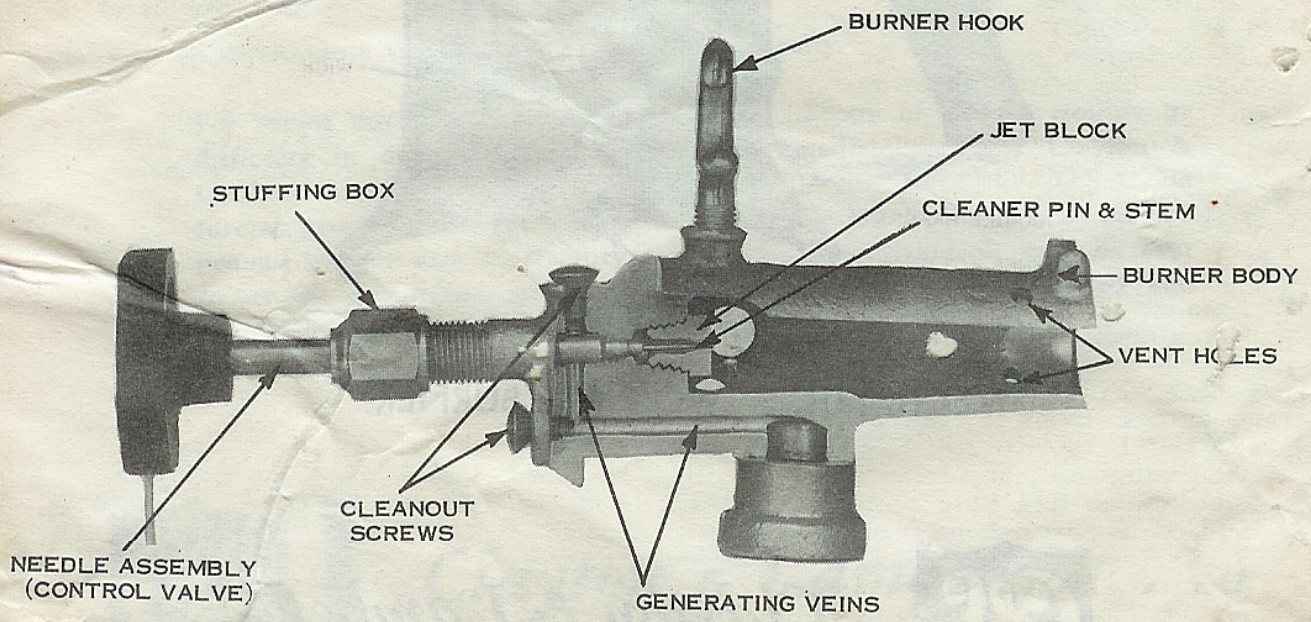
C&L CLAYTON & LAMBERT

Clayton & Lambert

LOUISVILLE 10, KENTUCKY



MECHANIC'S HEAVY DUTY ONE PIECE BURNER



GENERAL PURPOSE ONE PIECE BURNER

INSTRUCTIONS FOR THE CARE OF YOUR C & L TORCH

I. BURNER—IF FLAME IS SMALL IN SIZE AND WEAK IN FORCE OR WILL NOT BURN.

A. CAUSE — If torch is fairly new, a slight particle of carbon or dirt is obstructing gas orifice in jet block.

REMEDY — Nearly close the control valve and open it several times so that the control valve cleaner pin will clear the orifice; then relight the burner. The flame should become full size immediately.

B. CAUSE — After torch has been used for a long time, or in case dirty gasoline has been used, carbon or foreign matter will clog the generating veins. The gasoline cannot pass freely thru the veins to orifice.

REMEDY — The burner must be disassembled and veins cleaned. If you wish Clayton & Lambert to do this, return torch or burner, and we will do it for a reasonable charge. If you prefer to do it yourself, proceed as follows:

1. Loosen pump and remove from tank.
2. Unscrew complete burner from tank by inserting wrench or small pipe in mouth of burner and turn counter-clockwise.
3. Remove windshield on models where shields are furnished.
4. Loosen set screw holding primping cup in place and remove. (Model #327 only, remove priming cup by unscrewing from burner). Then unscrew feed tube from burner proper.
5. Loosen stuffing box and remove control valve and cleaner pin together with stuffing box from burner by turning to the left.
   VERY IMPORTANT — In removing this part be very careful not to injure delicate cleaner pin. After removing, protect the cleaner pin from bending or breaking by resting on handle wheel with pin pointing upwards (if bent or broken, send to us for a new cleaner pin and stem.)
6. Remove jet block.
7. For model #32-A torch only — unscrew the back burner from burner body. If difficult to remove, tap gently near joint with a hammer to loosen.
   to loosen.
8. Remove cleanout screws.
9. For model #327 torch only—Remove vein cleaner rods and plugs. To loosen, tap gently with a hammer.
10. Clean all parts and passages (except control valve passage and orifice in jet block) with a wire or proper sized drill. Blow out with compressed air or wash thoroughly with gasoline. Do a good job of cleaning.
11. Inspect wire gauze strainer and wick in feed tube. If blocked, replace with new. Do not operate without strainer and wick.
12. Re-assemble. Be sure to rub common brown soap on all joints, and screw all joints and plugs tight.

II. PUMP—WON'T PRODUCE PRESSURE IN TANK.

A. No Compression.

CAUSE — Cup leather dried out.

REMEDY — Unscrew cap on top of pump barrel — pull out plunger assembly and soak cup leather thoroughly in lubricating oil. If too dry or worn, replace cup leather with a new one. Drop a little lubricating oil thru the plunger rod hole in pump cap frequently.

B. Impossible to force air into tank.

CAUSE — Check valve disc "gummed" tight to seat, preventing its opening.

REMEDY — Pull pump plunger to full stroke and strike downwards sharply. If this does not loosen, remove pump and take check valve apart.

C. Gasoline in pump barrel or pump plunger rises to full stroke. CAUTION—Do not use torch until this condition has been remedied.

CAUSE — Leaky check valve.

REMEDY — Remove pump from tank and replace check valve. Make sure the check valve operates freely before replacing the pump in tank.

III. GASOLINE LEAKS AROUND THREADED JOINTS.

1. Filler plug and pump collar have lead gasket washers to insure proper seating. Do not substitute or add fibre or rubber washers. If the original lead washer is damaged, replace the part or send it to the factory for repair.
2. VERY IMPORTANT — The stuffing on the control valve stem is supplied with permanent packing of asbestos and graphite compound. To stop leak, first shut off burner. This is absolutely essential — then tighten stuffing box by screwing to right.
3. Leaks around all other threaded joints may be stopped by removing the part, coating the threads with common brown laundry soap and re-assembling.
4. Tank leaks at bushings, bottom flange, etc. must not be repaired by user but should be returned to Clayton & Lambert for repair or replacement.

DIRECTIONS

FOLLOW STEP BY STEP

This torch is ready for use. No further adjustments are necessary. It was lighted and thoroughly tested the last thing before shipment from our factory. Unless damaged in shipment, it should give satisfactory service if you follow these directions. CAUTION: Do not burn torch for a prolonged period of time in a confined area; especially when using leaded gasoline.

1. Fill tank nearly full with any clean, fresh gasoline. Fill through bottom opening with torch upside down, or remove pump and fill through pump opening if torch has no bottom fill.
2. Screw in filler plug or pump — tighten securely. Use only sufficient force to seat properly; too much force will ruin lead gasket washer and strip threads.
3. Make sure the control valve (Needle Assembly Complete) is closed. Pump about ten (10) strokes of air into tank with pump. Then examine filler plug, pump and other parts of torch to make certain there are no leaks.
4. Place torch on a steady level surface sheltered from the wind. Turn control valve counter-clockwise slightly. This allows gasoline to flow into priming cup. When about ¾ full, shut off control valve. Do not let gasoline overflow the priming cup — if it does, be sure to wipe the tank dry before lighting gasoline in priming cup.
5. Light gasoline in priming cup.
6. When the gasoline in priming cup is nearly burned out, open control valve slightly by turning counter-clockwise, and if necessary, light the burner flame. Hold lighted match to the vent holes in burner body, not in front of burner mouth. A blue flame should result. If the flame is orange or yellow, the burner has not been properly generated. Allow the burner to cool and repeat the operation of filling the priming cup and lighting.
7. To increase flame volume, regulate the control valve and increase the pressure in tank. Avoid too much pressure for best flame regulation. Excessive pressure will cause flame to vibrate or quiver.
8. To stop torch, close valve clockwise gently but firmly.

For repair parts, service replacements, or in case of serious trouble or difficulty in operating this tool, write immediately to the Clayton & Lambert Manufacturing Company, Louisville 10, Kentucky, U.S.A. Be sure to give model number from upper handle bracket. You will receive prompt service and satisfactory treatment. Your old tools may be sent to us for rebuilding and they will be promptly repaired, tested and returned to you ready for use.

C&L CLAYTON & LAMBERT

Clayton & Lambert MFG. CO.

1701 DIXIE HIGHWAY • LOUISVILLE 10, KENTUCKY

FORM 427 REV. 7–56

WARRANTY

C & L Blow Torches and Fire Pots

The Clayton & Lambert Mfg. Co. warrants this Torch or Fire Pot to the original purchaser, when put to normal use and service and operated according to directions accompanying the tool, against defects in material and workmanship.

The company's obligation under this warranty, is for a period of one year from the date of purchase, (plus six months distribution time allowance), and shall be limited to furnishing a replacement part, or at its option repairing or replacing a part, which the company's examination discloses to be defective.

Any replacement part, tool or repaired and returned tool furnished under this warranty shall be F.O.B. point of distribution.

This warranty valid only when inspection verifies tools use has been that of normal use and its return for inspection is through a wholesaler of C & L tools.

No representative of this company is authorized to give any warranty other than the above. Reverse side to be used for alleged defects under warranty.

CLAYTON & LAMBERT MFG. COMPANY
1701 Dixie Highway
Louisville 10, Kentucky

MATERIAL RETURNED UNDER WARRANTY

To return an alleged defective Torch or Fire Pot under the warranty terms on reverse side, fill out following form, sign and return to the wholesaler from whom purchased, along with the alleged defective tool.

Upon receipt of this form with the tool, the wholesaler is authorized to return both to Clayton & Lambert Mfg. Company, 1701 Dixie Highway, Louisville 10, Ky., attention of the Service Department for inspection and adjustment under warranty.

Torch Model No._____ Fire Pot Model No._____ Date Purchased_____

Type of work performed with it _____

Type of gasoline used in it, leaded_____Unleaded (White) _____

Nature of alleged defect_____

_____

_____

It is understood that tools claimed defective, but upon our inspection found to be out of warranty or abused beyond normal use, will be repaired and returned to the wholesaler in salable condition, freight collect,with an invoice covering such repairs.
Wholesaler's purchase order must accompany this form.

Dealer or Purchaser _____ Address _____

Wholesaler _____ Address _____

City and State of both_____

Form L-293