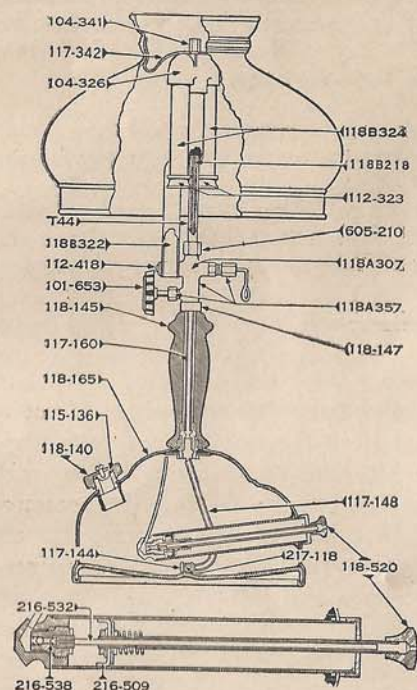


Parts List for Coleman Instant-Lite Lamps

Model Nos. 117A-118A-119A



Parts No.	Name of Part	Net Retail Price
T44	Generator & Gas Tip Cleaning Needle (Less Jamb Nut) (Gas Tip Marked "V") (118B299)	\$.35
**101-522	Pump	.75
101-653	Valve Stem Complete	.30
104-326	Mixing Chamber	.48
104-341	Shade Holder Screw	.06
104-905	Gas Tip Cleaning Needle	.06
112-323	Burner Cap & Screens	.15
112-418	Machine Screw (5/16"x3/16" R. H. Brass)	.03
**115-136	Filler Plug Gasket	.06
**115-138	Filler Plug Core & Gasket	.30
**117-132	Filler Plug Air Stem	.18
117-144	Tip Protector & Screen	.15
**117-145	Lamp Handle	.36

**117-147	Handle Lock Nut	.18
117-148	Fuel Wire Complete (Fuel Tip Marked "P")	.54
117-160	Fuel Tube	.60
**117-164	Filler Plug Complete	.60
**117-165	Fount Complete	5.40
117-342	Shade Holder	.30
*118-140	Filler Plug Complete	.48
*118-145	Lamp Handle	.36
*118-147	Handle Lock Nut	.18
*118-165	Fount Complete	5.50
118B218	Gas Tip (Marked "V")	.06
118A307	Gas Tip Cleaner & Fuel Valve Body	.60
118B322	Air Intake Tube	.36
118B324	Burner Tube	.15
118A357	Gas Tip Cleaner & Fuel Valve Complete Assembled	1.20
118A399	Burner, Generator, Gas Tip Cleaner & Valve Complete Assembled	3.45
*118-520	Pump Plunger Complete (Less Air Stem)	.60
216-509	Pump Leather	.09
*216-532	Air Stem	2 for .15
*216-538	Check Valve	.15
217-118	Fuel Tip (Marked "P")	.06
605-210	Jamb Nut	.03
605-950	Wrench	.15

* For Lamp Model Nos. 118A-119A.
 ** For Lamp Model No. 117A.
 No. 216-538 Check Valve can be unscrewed with an ordinary Screw Driver.
 Prices effective May 1st, 1930, subject to change without notice.

How to Change Generator

First be sure Fuel Valve is closed. Then turn Cleaning Needle Lever down. Unscrew Jamb Nut at lower end of Generator. Next, turn Cleaning Needle Lever up. Lift Generator up and unhook Gas Tip Cleaning Needle. Then pull Generator with Cleaning Needle down and out.

To install new Generator with Cleaning Needle: First, pull Cleaning Needle from Generator about one inch. Place Cleaning Needle between fore finger and thumb, holding Generator in upright position. Push Generator through opening in Air Intake Tube, and hook Cleaning Needle in hole of Cleaner Block. Now turn Cleaning Needle Lever down. Set Generator properly. Screw Jamb Nut down. Tighten with Wrench.



DIRECTIONS

.. FOR ..

Assembling and
Operating

Coleman

INSTANT LIGHTING
LAMPS

Model Nos. 117A-118A-119A

IMPORTANT

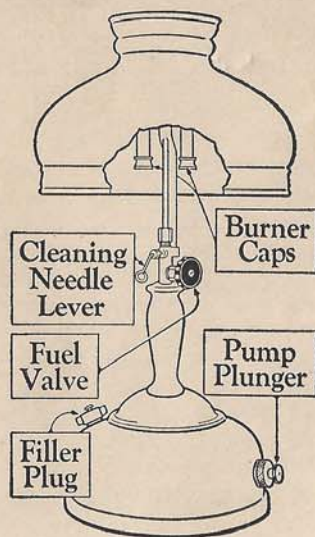
Always use a good grade of fresh, clean untreated, water-white gasoline. Gasolines which have been chemically treated to remove carbon or increase motor power will not work well in gas pressure products as they are intended solely for motor use.

MADE IN U. S. A. BY

The Coleman Lamp and Stove Company

General Offices: WICHITA, KANSAS
 Branches: PHILADELPHIA, CHICAGO LOS ANGELES
 Factories: WICHITA, CHICAGO and TORONTO, CANADA

Directions for Operating



Follow Directions Step by Step

1. TO ASSEMBLE AND INSTALL BURNER—Unless your dealer assembles the lamp for you, it will come to you packed in a carton, and in four separate parts as follows:

1. Fount with Handle
2. Burner with Generator
3. Shade
4. Shade Holder.

In addition there will be two Coleman Mantles and a wrench. Rub a little soap on threaded end of fuel tube which protrudes thru top of lamp handle. Screw Burner onto handle and tighten firmly with wrench.

2. TO FILL—Be sure *Fuel Valve* is tightly closed—remove *Filler Plug* and fill fount with three pints of clean fuel. (See Service Chart inside.) When filling the fount, strain gasoline thru several thicknesses of finely woven cloth or better still, use a Coleman (Schuyler Patent) Filtering Funnel No. 0, which removes water and dirt. Replace *Filler Plug* and tighten firmly with fingers.

NOTE—For best service and proper operation, the instant lighting principle requires that the fount always contain a pint or more of fuel. A wavering light is a warning that the fount needs refilling.

3. TO PUMP UP MODELS WITH BUILT-IN PUMP—See that *Fuel Valve* is closed. Then open air valve inside of pump barrel by turning *Pump Plunger* one turn to left. Place ball of thumb over small hole in end of plunger rod and pump 45 to 50 full strokes of air into fount. Now, turn *Plunger* to right until air valve is closed, and push *Plunger* back into pump barrel.

3A. TO PUMP LAMP HAVING SEPARATE PUMP—Fit the pump to top of air stem—pump 25 to 30 full strokes—then tighten air stem with fingers, do not use wrench or pliers.

4. TO PUT ON MANTLES—Tie Mantles to grooves in *Burner Caps* with flat side of Mantles next to generator. Distribute folds of Mantles evenly at top and cut off surplus string. Then light Mantles at bottoms with a match and allow them to burn until only a white ash remains. Be careful not to jolt or touch Mantles after they are burned out.

NOTE—A broken Mantle may overheat and crack the shade so always replace broken Mantles.

5. TO LIGHT—(A) First remove shade. Note, the *Cleaning Needle Lever* which when turned around, causes the cleaning needle inside the generator to work up and down. This keeps the gas tip clean and open. Always turn the *Lever* two or three times before lighting and be sure the LOOP ON LEVER IS LEFT POINTING DOWN.

(B) Hold lighted match closely under the Mantles with flame striking the generator—OPEN VALVE ONE FULL TURN AND IN A FEW SECONDS GAS WILL REACH MANTLES AND THEY WILL LIGHT INSTANTLY. If Mantles blaze up, close *Fuel Valve* until Mantles burn bright, then reopen valve.

IMPORTANT NOTICE—Because of the Instant-Lite principle incorporated in this lamp, it lights best when cold. When lamp is warm (as it will be after mantles have burned, or when lighted shortly after it has been used), better lighting results will be obtained by preheating generator with two matches for few seconds before opening valve.

(C) The *Cleaning Needle Lever* may be operated while lamp is burning. Should Mantles fail to burn brightly after valve is opened, turn *Lever* around rapidly two or three times.

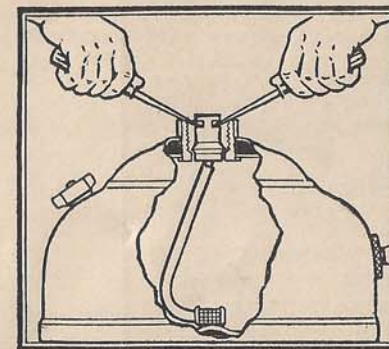
6. TO TURN LIGHT OUT—Turn *Fuel Valve* to right until closed. The light will dim and go out in a few seconds.

Directions for Removing and Installing

FEED WIRE

On Coleman Instant-Lite Lamps

Models 117-118-119



1. Remove *Filter Plug* to release pressure in fount. Remove burner, unscrew to left. (The Burner will sometimes unscrew at the lock nut connection instead of at the fuel tube. If it does this, unscrew lock nut with pliers and remove handle.

Then unscrew fuel tube with a wrench).

To remove Feed Wire easily and without damaging, use two screw drivers, inserting one on each side of notch at the top of Feed Wire as shown in illustration. A steady downward pressure on the screw driver handles prys Feed Wire up.

After removing Feed Wire, be sure to drain and rinse the fount with clean gasoline.

After inserting new Feed Wire, replace support tube and tighten with wrench. Put handle back into place and tighten lock nut. Now, install Burner and assemble lamp as per Paragraph 1 under "Directions for Operating."

SERVICE CHART COLEMAN INSTANT LITE LAMP

For Models Number 117A-118A-119A

This chart is to acquaint dealers and users of Coleman Instant Lite Lamps with their correct care and operation and with the instant lighting principle. The chart makes it easy to detect and correct any condition which might develop to interfere with proper performance. If after following instructions on the reverse side, you experience trouble in the lighting of the lamp or in having a dim light after lighting, it may be the result of one of the following:

- (a) Fuel supply too low.
- (b) Not enough air pressure.
- (c) Stopped up air intake tube.
- (d) Broken cleaning needle.
- (e) Clogged gas tip.
- (f) Clogged generator.
- (g) Stopped up fuel tip.
- (h) Dirty fuel tip screen.
- (i) Corroded burner cap screens.

Important Note-- Any one or all of the last five conditions (E-F-G-H-I) may result from the use of the following:

Anti-knock gasoline.
Gasoline containing too much gum or sulphur.
Gasoline containing dirt, water, rust, or other foreign substances.

On request we will send you a list of the brands of gasoline available in your State which have been tested and approved by the United Laboratories, for use in gasoline pressure devices.

To Remedy: It is best to check these causes in steps.

- (a) **Fuel supply too low**—A wavering light is a warning that the fuel is too low and that the fount should be refilled at once or at least within a half hour. For best service and proper operation, the instant lighting principle requires that the fount always contain a pint or more of fuel.
- (b) **Not enough air pressure**—For good lighting it is important to have good pressure. (See Paragraph at bottom of left hand column on care and operation of pump.)
- (c) **Stopped up air intake**—Clean by using air or a wire to make sure there is no dirt or bugs in the air intake tube.
- (d) **Broken gas tip cleaning needle**—Turning

the gas tip cleaner stem without dimming the light indicates broken needle. Install new generator by following directions under "To Change Generator."

- (e) **Clogged gas tip**—Failure to light or a dim light indicates clogged gas tip. To clean gas tip either before or after lighting, turn gas tip cleaner stem rapidly two or three times. Be sure stem is left pointing down.
- (f) **Clogged generator**—Determine whether the generator is clogged. Remove from lamp; then remove gas tip. Do not remove cleaning needle—now blow thru generator tube. If not open, replace with new generator.
- (g) **Stopped up fuel tip or**
- (h) **Dirty fuel screen**—Remove feed wire from fount as per the directions on other side of this

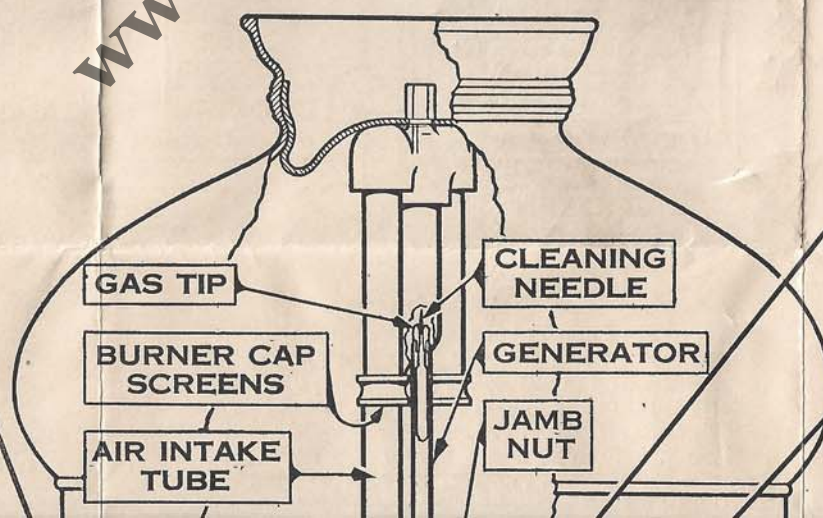
sheet. Unscrew fuel tip protector from fuel wire by turning to the left with pliers. Unscrew fuel tip and clean the small orifice in fuel tip with small tip cleaning needle furnished with lamp. Also clean screen on fuel tip protector by rinsing in clean gasoline. Replace fuel tip and tighten with wrench. Replace fuel tip protector and screen and tighten with pliers. Always drain and rinse fount with clean gasoline before replacing feed wire. Now replace feed wire as per directions on other side of this sheet.

- (i) **Corroded burner cap screens**—Unscrew burner caps and clean screens or replace with new ones with wires on each screen crossed diagonally with the other.

How to Test for Air Leaks—Be sure there is plenty air pressure in the fount. Submerge entire fount in water, with burner upright. Always remove the wood handle before testing.

An air leak at this point denotes loose fuel tube. If bubbles come from this point tighten the fuel tube. If this does not stop the leak, it will be best to return the lamp, less shade, to nearest Coleman branch by parcel post for repair.

An air leak at the filler plug denotes damaged threads or a worn gasket. If bubbles come from filler plug, put in new filler plug gasket,



A gasoline leak here denotes either a loose jamb nut, defective threads, or a damaged seat on the generator. If the leak cannot be stopped by tightening jamb nut, it will be necessary to replace damaged parts.

A gasoline leak at the pack nut of the fuel valve denotes damaged threads or worn packing. Tighten the pack nut. If leak continues, replace the valve stem complete. In some cases it may be necessary to replace gas tip cleaner and fuel valve body.

Important—All gasoline contains some foreign matter which will

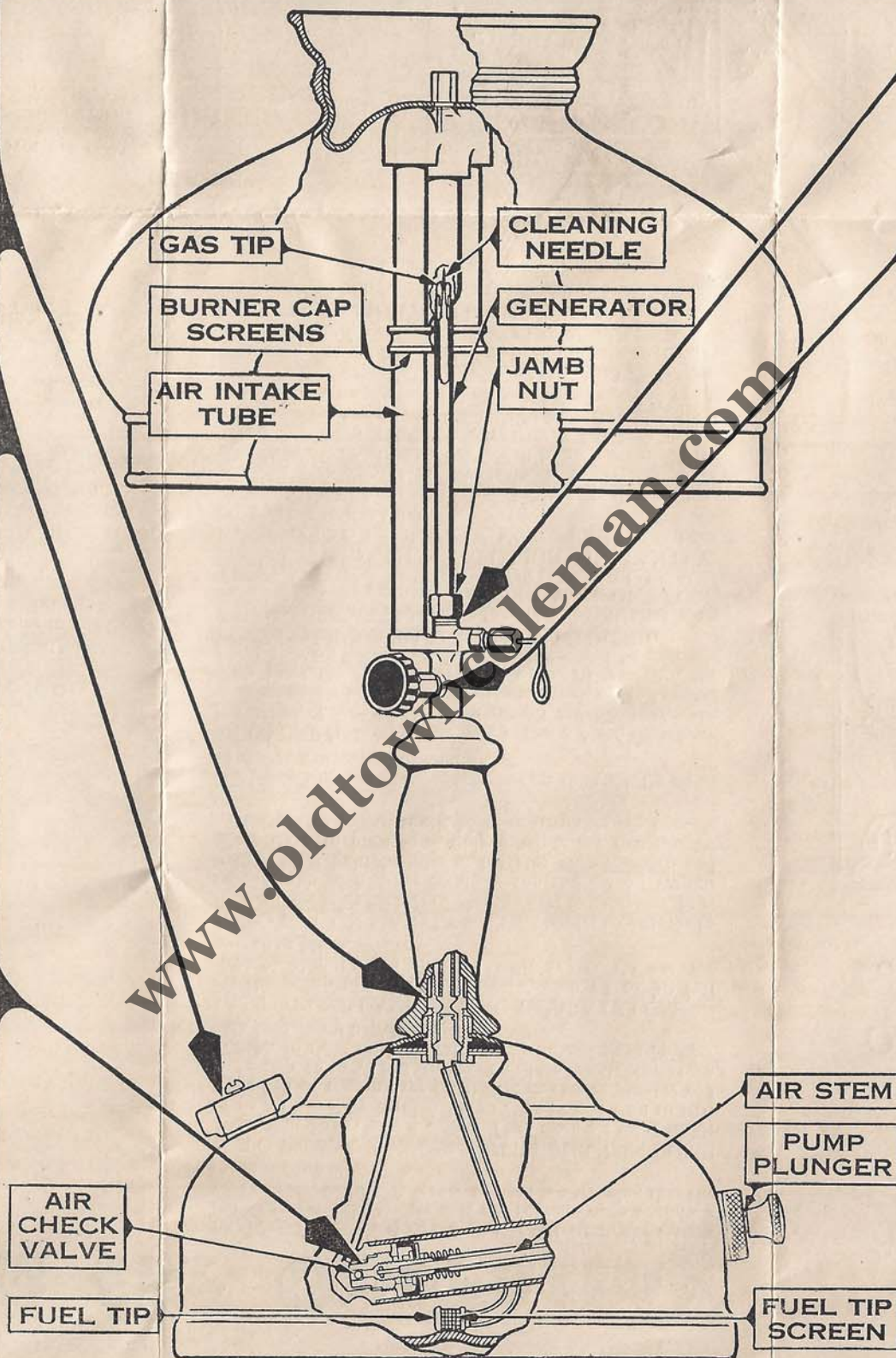
How to Test for Air Leaks—Be sure there is plenty air pressure in the fount. Submerge entire fount in water, with burner upright. Always remove the wood handle before testing.

An air leak at this point denotes loose fuel tube. If bubbles come from this point tighten the fuel tube. If this does not stop the leak, it will be best to return the lamp, less shade, to nearest Coleman branch by parcel post for repair.

An air leak at the filler plug denotes damaged threads or a worn gasket. If bubbles come from filler plug, put in new filler plug gasket, replace filler plug, pump fount up, and retest. If bubbles continue, get new filler plug complete. If new plug does not stop air leak then difficulty is with threads on filler plug opening in which case it will be necessary to replace fount.

Replacement of filler plug air stem on the Model No. 117A might occasionally correct an air leak on this Model.

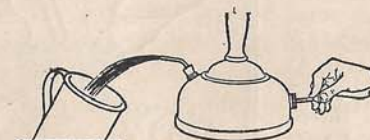
Pump Trouble—If an air leak is noticed in the pump of Lamp Model Nos. 118A and 119A, remove the air stem by turning pump plunger to the left until air stem has been unscrewed from air check valve. Unscrew the pump cap. You can now pull the pump plunger and air stem out of the pump. The air check valve in the bottom of the pump is made to accommodate a screw driver. Use a long screw driver and unscrew check valve by turning to the left. Examine the seat and threads of the check valve, making sure they are not damaged; also examine ball check making sure it is loose in the body. If seat and threads are all right and ball check loose, clean thoroughly with gasoline, oil pump leather, replacing all parts, reversing above procedure. Retest. If bubbles continue, replace both check valve and air stem with new ones.



A gasoline leak here denotes either a loose jamb nut, defective threads or a damaged seat on the generator. If the leak cannot be stopped by tightening jamb nut, it will be necessary to replace damaged parts.

A gasoline leak at the pack nut of the fuel valve denotes damaged threads or worn packing. Tighten the pack nut. If leak continues, replace the valve stem complete. In some cases it may be necessary to replace gas tip cleaner and fuel valve body.

Important—All gasoline contains some foreign matter which will not vaporize and which remains in the fount. If fount is not cleaned occasionally, this foreign matter will accumulate and cause trouble. Keeping the fount clean insures longer service from generators, easier lighting, greater efficiency. To clean fount with built-in pumps, use Fount Cleaning Tube No. 199-910, price 15c.



Directions—Clean fount where no damage will result if gasoline is spilled. *Keep Away From Fire.*

Shake fount vigorously. Remove filler plug and insert straight end of Tube until it touches bottom of fount. Fit cork tightly. Do not tilt fount. Have receptacle handy as suction created by inserting Cleaning Tube will usually start gasoline flowing instantly.

Even if gasoline does start to flow, operate pump slowly to create pressure which forces out dirty fuel. To be sure all residue is removed, rinse fount with some clean, fresh, gasoline and siphon out again. When cleaning lantern fount insert Cleaning Tube at slight angle to avoid pump inside of fount.