

GENERAL SUGGESTIONS

IF LANTERN BLAZES AND SMOKES more than a few seconds when first lit, then close valve and reopen one fourth turn as soon as light dims.

IF LANTERN DOES NOT LIGHT, check air pressure and fuel content. Open valve slightly to make sure gasoline will come through. Remove Generator and unscrew Gas Tip to make sure point of needle has not been bent or curled.

IF MANTLE TURNS BLACK, make sure screens in Burner Caps are clean and open. Check Air Intake Tube for possible obstruction, such as a spider's nest.

IF LIGHT DIMS, check Fuel Valve to be certain it is wide open. Rotate cleaning lever to remove carbon, if any.

IF LIGHT PULSATES after installation of a new Generator, pump in additional air pressure until light is steady.

IF LANTERN IS ON EMERGENCY STANDBY in case of storm or power failure, empty all gasoline from Fount and, when cool, refill with clean, fresh fuel. Store in as cool a place as possible.

TO TEST BUILT-IN PUMP for air pressure leak, tip Fount and place end in a full glass of water.

IF YOU HAVE OCCASION TO WRITE the dealer or the factory, mention whether yours is a No. 220E or No. 228E Lantern. If you mail the Lantern, send it less Globe and Ventilator to avoid breakage.

YOUR COLEMAN GUARANTEE

All new models of Coleman Outing Products are guaranteed against faulty material or workmanship.

Any part found defective because of imperfect material or workmanship will be replaced without charge when returned with transportation charges prepaid to the Coleman factory, or to the nearest Coleman authorized in-warranty service station.

This guarantee does not, of course, apply to generators on stoves and lanterns, nor to any product where it is evident that damage has developed from improper handling or operation.

NOTICE: The use of any attachment or device that is not expressly approved by The Coleman Company, Inc., to alter or affect the operation of the appliance automatically cancels all warranties, implied or expressed. Furthermore, the Company shall not be liable for any consequences that result from the use of equipment under these circumstances.

Coleman's warranty on repair parts is made null and void by their use on other than **Coleman** manufactured appliances. Coleman's warranty on **Coleman** appliances is made null and void by use of other than genuine **Coleman** repair parts.

Always look for this **Coleman** label.

Made in United States of America

THE COLEMAN COMPANY, INC.

General Office and Factory: WICHITA 1, KANSAS, U. S. A.

Canadian Office and Factory: Toronto, Canada

1950-495 7-62
P.I.

Litho. in U. S. A.



LANTERNS 220E AND 228E

TO OBTAIN SATIS-
FACTORY RESULTS
READ AND FOLLOW
THESE INSTRU-
CTIONS CAREFULLY
STEP BY STEP...

DIRECTIONS FOR OPERATING AND SERVICING

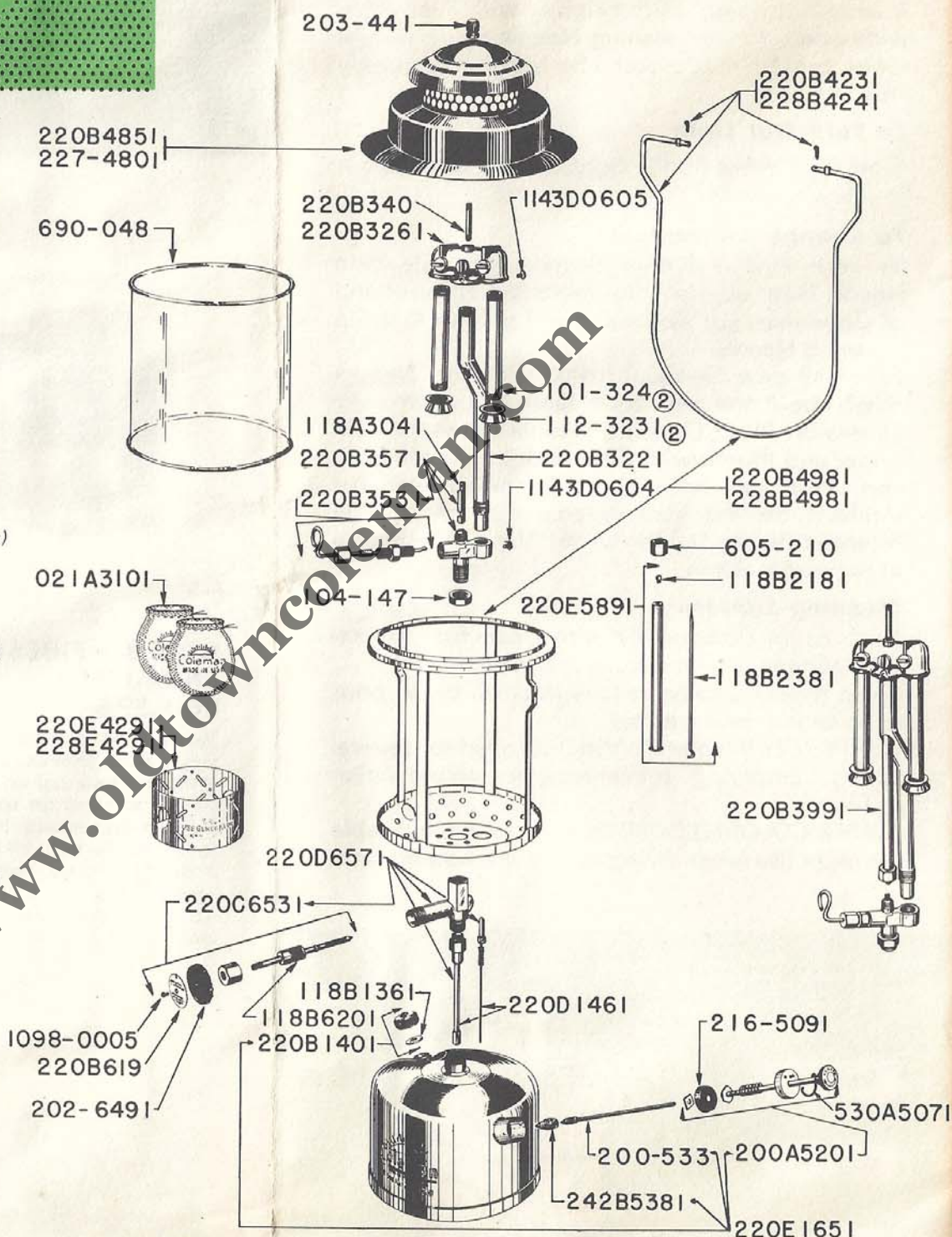
* DIRECTIONS FOR OPERATING AND SERVICING



PARTS LIST FOR COLEMAN LANTERNS 220E and 228E

PART NO. DESCRIPTION

021A3101	(21A) Mantle (Pk'd 2)
101-324	Tube (Burner)
104-147	Nut (27/64-27 Hex)
112-3231	Cap (Burner)
118A3041	Eccentric Block
118B1361	Gasket (Filler Plug)
118B2181	Gas Tip (Marked V)
118B2381	Needle Assembly
118B6201	Packing (Valve Stem)
200-533	Air Stem Assembly
200A5201	Plunger Ass'y (Pump)
202-6491	Wheel (Valve)
203-441	Nut (Ball)
216-5091	Leather (Pump)
220B1401	Filler Cap
220B3221	Tube (Air Intake—Brass)
220B3261	Mixing Chamber (with Screw)
220B340	Rod (Ventilator)
220B3531	Stem (Tip Cleaner)
220B3571	Cleaner Ass'y (Gas Tip)
220B3991	Burner
220B4231	Bail
220B4851	Ventilator
220B4981	Frame and Bail
220B619	Disc (Direction)
220C6531	Stem Assembly
220D1461	Tube Assembly (Fuel and Air)
220D6571	Valve (Less Generator and Complete Ass'y)
220E1651	Fount (Complete)
220E5891	(T44DL) Generator
220E4291	Base Rest
227-4801	Ventilator
228B4241	Bail
228B4981	Frame and Bail
228E4291	Base Rest
242B5381	Check Valve
530A5071	Pump Cap Clip
605-210	Jamb Nut
690-048	(330) Globe
1143D0605	Self-Tapping Screw (#6-32 x 5/16)
1143D0604	Self-Tapping Screw (#6-32 x 1/4)
1098-0005	Machine Screw (#4— 36x1/4 Rd. Hd. Brass)



② Quantity of Parts Used in Assembly

See your Coleman Dealer for Repair Parts

HOW TO USE YOUR

Coleman

220E and 228E LANTERN



Follow the directions and use only Coleman S & L Fuel or "White" unleaded gasoline for long, trouble-free service.

To Fill

Close fuel valve tightly to the right. Remove Filler Cap and fill lantern with 2 pints of fresh, clean fuel (Coleman S & L Fuel, for example). Never use fuel containing lead compounds or lubricating oils. Lantern should sit level all during filling. Fuel for the lantern should be strained through several thicknesses of finely woven cloth or, more convenient, a No. 0 Coleman Filtering Funnel. After filling, replace Filler Cap and tighten firmly with fingers.

To Pump

Fuel Valve and Filler Cap must be closed firmly. Turn Pump Plunger 2 turns to the left. Place thumb over small hole in end of Pump Plunger and pump 35 to 40 full strokes of air into lantern. Good pres-

sure is important. Now turn Pump Plunger clear to right until tight and push it clear down. Oil Pump Leather occasionally to keep it soft and pliable.

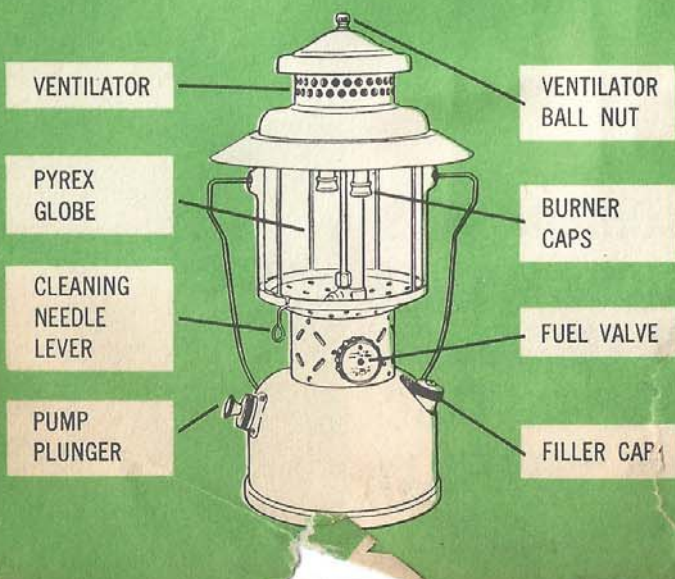
To Tie On Mantles

Remove Ball Nut at very top of lantern. Lift off the ventilator and take out the Pyrex Glass Globe. Tie mantles around grooves in burner caps (see drawing). Flat side of mantles should face generator. Distribute folds of mantle evenly at top and cut off surplus string. Burn mantles according to instructions on mantle envelope.

To Light

Rotate the Cleaning Needle Lever at base of frame. Several turns will clean the Generator Tip. Leave lever pointing down.

Open Fuel Valve one-fourth turn. Push lighted match through lighter hole and hold it under mantles. Mantles will light instantly when air



**ALWAYS
USE
GENUINE
COLEMAN
MANTLES**



They are made without side seams and are reinforced at the bottom where gas pressure is greatest.

They are made especially for Coleman Lanterns, have the right size, shape, texture, and chemical treatment to give Coleman's usual extra brilliance.

Insist on Coleman Mantles. We recommend the heavy-duty No. 21A Silk Lite Mantle.

and gas mixture reaches them. When Mantles burn brightly, open Fuel Valve *all the way to the left*. Opening them all the way is important. Pump in additional pressure to insure long operation. If lantern does not burn brightly with Fuel Valve wide open, rotate Cleaning Needle Lever several times. Lantern may flicker a bit but should quickly steady down.

To Turn Out Light

Close Fuel Valve firmly. Light will dim and go out in a few seconds.

To Change Generators

Be sure Fuel Valve is closed. Turn Cleaning Needle lever up. Unscrew Jamb Nut at lower end of Generator. Lift Generator and unhook Gas Tip Cleaning Needle.

To install new Generator: Pull Cleaning Needle down about one inch. Slide Jamb Nut down over generator. Place Cleaning Needle between forefinger and thumb with Generator in upright position. Push gas tip end of Generator into Air Intake Tube and hook Needle through hole in Eccentric Block. Tighten Jamb Nut only enough to prevent leakage.

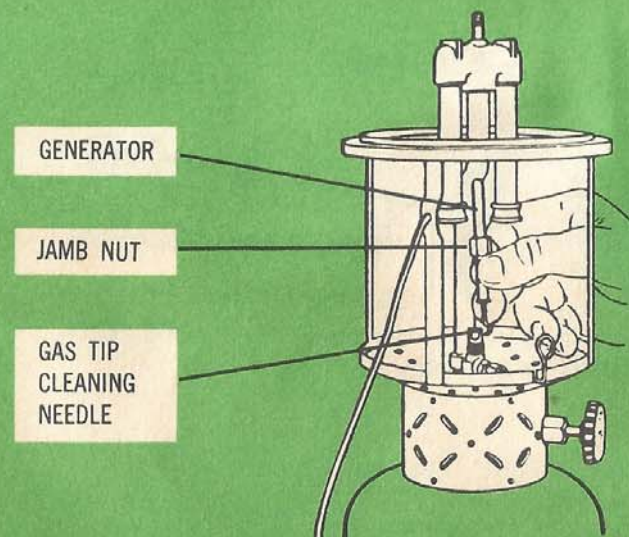
Cleaning Lantern

Rinse Fount occasionally with clean fuel to prevent sediment or moisture accumulations.

Clean Burner Cap Screens with small brush prior to installing new mantles.

EMPTY FUEL if lantern will not be used for several weeks. Emptying prevents gum accumulation in Fount.

AMBER COLORED GLOBES of Pyrex are available for night use when flying insects are bothersome.



other Coleman products
to add to your
outings fun!



WORLD'S FINEST SNOW-LITE® PICNIC JUGS

100% insulated with Thermo-Lock styrene. Exclusive one-piece molded liner is smooth, easy to clean, lightweight, unbreakable, won't chip or crack, will withstand temperatures of boiling water or freezing ice. Tough Royalite base is rust- and corrosion-proof; guaranteed for the life of the jug. Available in aristocrat or deluxe models with Pitcher-Pour handle or nylon spring-loaded push-button faucet. Your choice of three beautiful colors.

WORLD'S FINEST SNOW-LITE® COOLERS

Lightweight, yet will withstand the most rugged abuse. Snow-Lite linings are strong and durable, rust and leak-proof, stain resistant, will not retain odors. They wipe clean instantly. Thermo-Lock styrene insulation holds cold up to 45% longer than ordinary coolers. Tough Royalite bottoms won't scuff, rust, corrode, or stain. Steel or aluminum models available in two sizes and four beautiful colors.



WORLD FAMOUS COLEMAN CAMP STOVES

Join the fun! Select your favorite model and enjoy delicious food everywhere — and for less cost than restaurant meals. Coleman Camp Stoves fold like a suitcase, cook like a range, and cook meals for days on a tank of non-leaded fuel. Available in two or three-burner models constructed of steel or aluminum. Also available, Coleman Camp Oven; lets you bake to perfection anywhere.

