

Dual Fuel™ Stoves

Dual Fuel™ Stoves Instructions for use

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IMPORTANT

CONSUMER/USER: This instruction manual contains important information necessary for the proper assembly and safe use of the appliance. Read and follow all warnings and instructions before assembling and using the appliance. Follow all warnings and instructions when using the appliance.

Keep this manual for future reference.

If you have questions about assembly, operation, servicing or repair of this appliance, please call Coleman at 1-800-835-3278 or TDD: 1-316-832-8707. In Canada call 1-800-387-6161.

FOR YOUR SAFETY

Do not store or use gasoline or other liquids with flammable vapors in the vicinity of this or any other appliance.

DANGER



CARBON MONOXIDE HAZARD.

- . This appliance can produce carbon monoxide which has no odor.
- · Using it in an enclosed space can kill you.
- · Never use this appliance in an enclosed space such as a camper, tent, car or home.

This manual contains important information about attention should be paid to information accompanied by the safety alort symbol "ADANGER". AWARNING", "A CAUTION"

The following symbols shown below are used:

DANGER DANGER indicates an imminently hexandous

WAPNING indicates a potentially hazardous

death or serious injury.

PANGER

Fallury to emply with the precautions and one provided with these stoves can ty loss or damage from hazards of fire, explo-

Only persons who can understand and follow

If you need assistance or information such as

CALIFORNIA PROPOSITION 65: combustion of this fuel, contain chemicals known

English-1

A WARNING

. Save fuel in a clean, connecty marked container away from flame (including pilot

Select other sources of innition or expossive heat.

. Never leave stown constlerelar when

DANGER DANGER

. FXPLOSION . FIRE HAZARD

be a source of ignition. Never use the stoug in spaces that contain or may contain. from combustible materials: A in thes from the

· EXPLOSION - FIRE HAZARD

lights), or other ignition sources. It is normal

WARNING

We cannot foresee every use which may be made of our products. Check with your local fire safety authority If you have questions about use

Use only Coleman accessories or parts.

· CARBON MONOXIDE HAZARD

Never use inside house, camper, tent.

which or other unventilated or enclosed Do not use in unventilated or enclosed areas to avoid endangering your life.

CAUTION · SERVICE SAFETY

· Keep all connections and fittings clean . Use as a cooking appliance only. Never after

Check all connections for leaks. Liquid fuel

Technical Characteristics

Model 424 - 14,000 BTU/h Model 428 - 17,000 BTU/h

multi-fuel stove

Fuel: Coleman' Liquid Fuel or unleaded gasoline

A WARNING 1. Coleman' Liquid Fuel is extremely flammable, handle with extreme substituted for Coleman' Liquid Fuel. care. Fuel vapors are invisible, explosive, and can be ignited by

2. Always fill outdoors. Never (including pilot lights), or other a pressurized fuel tank to vent a small amount of fuel mist when unscrewing the fuel cap.

3. Always light and use stove outdoors; never inside house camper, tent, or other unventilated or enclosed areas. 4. This stove consumes air

(oxygen). Do not use in unventilated or enclosed areas to avoid endangering your life.

Coleman' Liquid Fuel or unleaded 6. Store fuel in a clean, properly marked container away from flame (including pilot lights), other

7. Use for cooking only. Never alter

in any way or use with any device or part not expressly approved by heater. Never leave stove unat-

8. Keep stove away from flammables. Never allow fabric, clothing. within 48 inches of the top and 24 inches of all sides of the stove. 9. When stove is in use, all metal

parts of the stove assembly and 10. Never place heavy or large

capacity utensils on stove 11. Keep out of reach of children Thank you for purchasing your new Coleman' multi-fuel stove. We in a safe location outside your home operation before your next outdoor

experience. Helpful Hints

. Coleman Liquid Fuel is recommended below 40° F or in high elevation. · For best results, always use Coleman Filter/Funnel Part No. 5103A700T

To Set Up

A DANGER

. CARBON MONOXIDE HAZARD . Never use inside house, camper, tent, vehicle

Filling the tank Always fill outdoors. Nev

is on or attached to-Close FUEL ALVE frmly. (Fig. 1)



■ Place tank on level surface resting at | angle shown. (Fig. 2)



suitable filling device and fill with clean, fresh fuel. ■ Replace FUEL CAP on tank and

on fuel container. Tighten firmly DISPOSE OF IN A SAFE P



■ Be sure FUEL VALVE is OFF



■ Open PUMP KNOB one full turn. Place thumb over hole in pump knob

strokes, (Fig. 7)





Leak Check ■ Make sure FUEL VALVE is fully

■ CHECK FOR LEAKS in one or more

ways. Look for fuel mist or a wet appearance of fuel on surfaces. Listen for hiss of escaping gas. Smell for fuel odor. Never use a flame. Do not use if leaking. (Fig. 9)



English-3

Installing Tank Insert GENERATOR into large hole

TANK CLIPS into slots on front of



stove. (Fig. 11)



Lighting Main Burner

A WARNING

A WARNING

· BURN HAZARD · Never leave stove unattended when hot or in use

. Keep out of reach of children.

NEVER FILL OR LIGHT STOVE

INSIDE HOUSE, CAMPER, OR TENT.

Close AUXILIARY VALVE (OR



STANDARD VERSION STOVE: Hold It match at MAIN BURNER



ELECTRONIC IGNITION VERSION STOVE:

Cuickly open FUEL VALVE two full turns while rotating IGNITOR KNOB clockwise until stove lights. (Fig.



CAUTION

cates flooding or a leak. Close fuel valve, let flames burn out and stove empty any fuel from burner and wipe Wait one full minute then turn M After MAIN BURNER has been lit.



additional pressure into tank.



Close PUMP KNOB. (F



Adjust flame to desired heat with



Lighting Auxiliary Burner(s)

- - Hold lit match at edge of AUXILIARY BURNER and open the AUXILIARY



VERSION STOVE: ■ Open AUXILIARY VALVE and rotate



To Turn Off

- Shut off AUXILIARY BURNER(S) by
- Close FUEL VALVE firmly. (Fig. 24) Note: Flame will linger on main burner for a few minutes after fuel valve is





BURNER for a few minutes after

■ Note: Flame will linger on MAIN WARNING

unscrewing fuel cap from fuel tank. Never

Packing Stove

The tank fits in the left end of stone with VALVE WHEEL fitted under rear



To Transport

■ To carry the stove, firmly grasp the

■ Make sure stove is cool.

■ Move stove away from flame (includ-

* MAINTENANCE

Troubleshooting

Symptom

ing pilot lights) and other ignition sources.	Burner will not light or flame self- extinguished.	Fuel tank empty.	Refill fuel tank with clean and fresh Coleman' Liquid Fuel or unleaded fuel.
MAINTENANCE Keep stove area clear and free from combustible materials,	Burner will not light or flame is low or flame self- extinguished.	Little or no pressure in fuel tank.	Check that fuel cap is tight and pump 30 strokes.
gasoline and other flammable vapors and liquids. Do not obstruct the flow of combustion and ventilation air. A good flame should be blue with minimal yellow tip. Some yellow tips on flames are acceptable as	Yellow flame.	Excess fuel in burner.	A yellow flame is normal until the generator warms up. If yellow flame persists, turn off stove, allow flame to self-extinguish and the stove to cool. If necessary, invert stove to remove excess liquid fuel from the burner, Follow lighting instructions.
long as no carbon or soot deposits appear. *Vilye clean with solt cloth and mild dish detergent. Do not use abrasives.	Low heat.	Generator to 10 plugged.	A yellow flame is normal until the generator warms up. If yellow flame persists, turn off stove, allow flame to self-extinguish and the stove to cool. If necessary, invert stove to remove excess liquid fuel from the burner. Follow lighting instructions.
	Low heat.	Faulty generator.	Turn LIGHTING LEVER up and down several times to clean generator tip. Be sure to use only fresh and clean fuel.
	Perticipat shall yellow sime.	Faulty generator.	Replace with a new generator.
	stert high whow flame.	Failure in the fuel delivery system.	May need to replace pump assembly. Please contact Consumer Service (see page 9).
Mon	Yellow smokey flame.	Spider webs, insects, or other obstruction in the burner and air tube.	Remove burner to inspect and clean the burner and air tube.
www.oldtowi	Pump does not pressurize the liquid fuel canister.	Pump seals are dry or worn.	Squirt a few drops of oil in the OIL HOLE in the pump cap. This will keep the pump functioning property (Fig. 26). If this does not correct the problem, replace the pump seals or purchase new pump assembly.
No.	Intermittent yellow flame after extended use on low heat setting.	Flame requires adjustment.	Adjust the flame to a slightly higher level with the FUEL VALVE.

Replacement Parts List



	Standard Ignition	
No.	428	Description
- 1	220C1401	Fuel Cap
2	220A5201	Pump Repair Kit
3	414-8801	Valve & Generator
4	414-5621	Generator
5	41303451	Auxiliary Burner Ring Assy.
6	R413-149T	Valve Knob
7:	425A3451	Master Burner Ring Assv.
- 8	426A5281	Manifold Assembly
9	426-3141	Grate
10	414-5601	Tank Asex
11	639-1091	Pump Cup & Clip
12	413B4971	Wind Baffle Clips
13	NA	Igniter Assembly

Warranty

Limited Five Year Warranty

The Coleman Company, Inc. ("Coleman") warrants that for a period of five (5) years from the date of original retail purchase, this product will be free from defects in material and workmanship. Coleman, at its option, will repair or replace this product or any component of the product found to be defective during the warranty period. Replacement will be made with a new or remanufactured product or component. If the product is no longer available, replacement may be made with a similar product of equal or greater value. This is your exclusive warranty.

This warranty is valid for the original retail purchaser from the date of initial retail purchase and is not transfer able. Keep the original sales receipt. Proof of purchase is required to obtain warranty performance. Coleman dealers, service centers, or retail stores selling Coleman products do not have the right to alter, modify or in any way change the terms and conditions of this warranty.

What This Warranty Does Not Cover

This warranty does not cover normal wear of parts. parts that are not genuine Coleman® parts, or damage resulting from any of the following: negligent use or misuse of the product; commercial use of the product; use contrary to the operating instructions; disassembly, repair or alteration by anyone other than Coleman or an authorized service center. Further, the warranty does not cover Acts of God, such as fire, flood, hurricanes and tornadoes. Warranty void if damage to the product results from the use of a part other than a genuine Coleman® part.

COLEMAN SHALL NOT BE LIABLE FOR DEFECTS THAT ARE CAUSED BY THE USE OF UNAUTHORIZED PARTS OR SERVICE, COLEMAN SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITIONS, EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS LIMITED IN DURATION TO THE DURATION OF THE ABOVE WARRANTY OR CONDITIONS. SOME STATES PROVINCES, OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATION ON HOW LONG AN IMPLIED WARRANTY LA ON HOW LONG AN IMPLIED WARRANTY LAST SO THE ABOVE LIMITATIONS OF EXCLUSIONARY NOT APPLY TO YOU. THIS WARRANTY GIVE YOU SPECIFIC LEGAL RIGHTS, AND YOU MAD LISO HAVE OTHER RIGHTS THAT VARY PEOM STATE TO STATE OR PROVINCE TO PROVINCE TO

Take the product to an authorized Coleman service center. You can find the nearest authorized Coleman service center by visiting www.coleman.com or calling 1-800-835-3278 or TDD 1-316-832-8707 in the United States or 1-800-387-6161 in Canada. If a service center is not conveniently located, attach to the product a tag that includes your name, address, daytime telephone number and description of the problem. Include a copy of the original sales receipt. Carefully package the product and send either by courier or insured mail with shipping and insurance prepaid to:

For products purchased in the United States: The Coleman Company, Inc. 3600 North Hydraulic Wichita, KS 67219

For products purchased in Canada: Sunbeam Corporation (Canada) Limited **DBA Jarden Consumer Solutions** 20B Hereford Street Brampton (ON) L6Y 0M1

The costs of transporting the product to Coleman or an authorized service center for warranty service is the

responsibility of the purchaser. Do not mail products with fuel in tanks, or with disposable propane cylinders.

DO NOT RETURN THIS PRODUCT TO THE PLACE

OF PURCHASE

If you have any questions regarding this warranty please call 1-800-835-3278 or TDD 1-316-832-8707 in the United States or 1-800-387-6161 in Canada.

Things You Should Know

- 1. Rinse tank twice a year with fresh fuel to remove sediment, gum formations, and moisture accumulations.
- 2. Seasonally or before storage, squirt a few drops of oil into the OIL HOLE in the pump cap. This will keep the pump functioning properly. (Fig. 26)
- 3. The LIGHTING LEVER moves a small needle in and out of the generator gas tip. If stove is hard to light or does not produce full heat output, turn LIGHTING LEVER up and down several times to clean generator.
- 4. Unleaded fuels may vary in quality and can affect generator life and performance. If you are having a problem with your stove or generator using unleaded fuel, replace the generator and try a different brand of unleaded fuel
- 5. The usual storage areas for camping and picnic equipment are the basement, attic, or garage. To avoid the accumulation of dust, cobwebs, etc., that is common in these areas, place your stove in a plastic bag and seal it with a rubber band.
- 6. For repair service call one of the numbers isted below for local on of the numbers listed below for local on of your nearest Coleman Service Center. If stove must be mailed to a Service Center, attach to the product a set intal includes your name, address daytime telephone number and a description of problem. Do NOT send fuel. arefully package the product and send either by courier or insured mail with shipping and insurance prepaid to:

For products purchased in the United States:

The Coleman Company, Inc. 3600 N. Hydraulic • Wichita, KS 67219 U.S.A. 1-800-835-3278 • TDD: 1-316-832-8707

> For products purchased in Canada: Sunbeam Corporation (Canada) Limited DBA Jarden Consumer Solutions 20B Hereford Street Brampton, ON L6Y 0M1 1-800-387-6161

7. If not completely satisfied with the performance of this product, please call one of the numbers listed above

