

GLOMATE™

OPERATOR'S MANUAL



Model GM-1300 Owner's Manual and Operating Instructions For the GLOMATE Portable Gas Stove

IMPORTANT : Please read instruction manual and important safeguards carefully before using.

INTRODUCTION

Congratulations on the purchase of your new portable gas cooking stove. GLOMATE introduces the most advanced safety and design features available in the butane stove industry. Please review your instruction manual thoroughly before operating your new unit.

FOR YOUR SAFETY

- Never attempt to use a fuel canister in this unit other than a U.L. recognized disposable butane canister. (GLOMATE Model GMF-2)
- If you smell gas, immediately shut the unit, open door or window, and allow the fumes to completely dissipate before re-lighting.
- Do not store or use gasoline or other flammables in the vicinity of this or any other appliance.

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IMPORTANT SAFEGUARDS

When using your portable gas stove, basic safety precautions should always be followed.

FACTS, CARE, AND HANDLING OF BUTANE FUEL

Facts

- Butane is a flammable gas when near any source of ignition.
- Butane is stored under pressure in liquid form and is referred to as a liquefied petroleum gas (LPG).
- Butane will not change to a flammable gas at temperatures below freezing (0°C/32°F).
- Butane gas should be used in a well ventilated area, as it tends to displace oxygen.
- Butane is odorless, but is normally mixed with a small amount of an odor-producing substance in order to help detect its presence.
- Butane is a non-toxic, and heavier than air, gas.



U L Recognized Component
(Glomate Now Offers
The First UL Recognized Non-
Explosive Butane Fuel Canister.)

Care and Handling

- Never store your butane gas can near heat, fire, or an open flame. Keep your fuel supply in a cool dry location. (below 110°F/43°C)
- Can of Butane is under pressure! Never throw, puncture, or drop empty can into an open fire or incinerator.
- Dispose of empty butane can in a safe and cautious manner.
- Keep out of reach of children at all times.
- Butane will remain a liquefied gas at temperatures below freezing (0°C/32°F)

USE AND STORAGE OF FUEL CANISTER

- Your portable gas stove is designed to operate with any UL recognized disposable butane canister.

Use

- Keep cap on fuel canister when not in use to avoid damage to valve and collar.
- Shake can vigorously between long periods of non-use.
- To avoid leakage when in use, be sure canister is properly installed in unit (a distinct hissing sound or gas odor indicates a gas leak).
- Avoid continued exposure of canister to : direct sunlight, extreme heat or flame and extreme cold.

Storage

- Store canister in a cool dry place when not in use. Do not store in refrigerator.
- Be careful not to drop canister to avoid damage to collar and valve.
- Store extra canisters upright when not in use.
- Remove canister from unit and replace cap when not in use.

MISUSE AND PROBLEMS TO AVOID

- Do not use as a space heater or clothes dryer.
- When in use, provide sufficient ventilation to replace the depleted oxygen (air) used for burning.
- Avoid placing unit near fans or air conditioning ducts, to prevent flame from going out.
- Do not use below a protruding shelf or in any place where there is danger of falling objects .
- Make sure unit is set in a stable, horizontal position when being used.
- Do not obstruct air entering stove from above or below the unit.

Outdoors

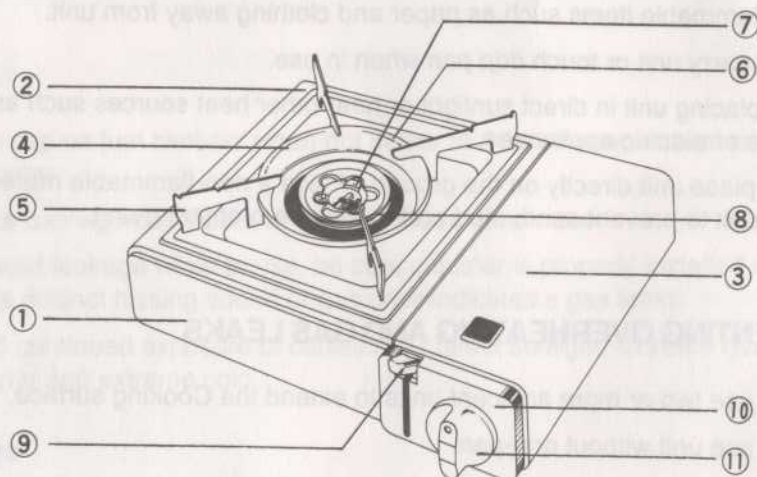
- When in use, protect unit from blowing sand and dust and avoid using near strong winds.
- Keep flammable items such as paper and clothing away from unit.
- Do not carry unit or touch drip pan when in use.
- Avoid placing unit in direct sunlight or near other heat sources such as heaters or electric appliances.
- Never place unit directly on the ground. Place a non-flammable material under unit to prevent sand, mud and stones from entering unit.

PREVENTING OVERHEATING AND GAS LEAKS

- Never use two or more adjacent units to extend the Cooking surface.
- Never use unit without drip-pan.
- Do not use plates or pans which extend over the edge of the fuel canister cover.
- Never use aluminum foil as a cooking utensil.
- If the flame is extinguished during the use, immediately turn the fuel supply knob to the "Off" position and return canister lever to the "Release" position.
- A gas leak can be detected by the presence of a distinct odor (like rotten onions).
- If a gas leak is detected, do not turn on electrical switches or use an open flame until the area is completely cleared of gas.
- If you continue to detect a gas odor, stop using the unit, and immediately contact the dealer where the unit was purchased.

KNOW YOUR GLOMATE PORTABLE GAS STOVE

- SPARE PARTS LIST & ASSEMBLY DIAGRAM -



PARTS LIST-GM1300

NO.	ITEM	MATERIAL	Q'TY
①	Body case	SCP 1	1
②	Top plate	SCP 1	1
③	Canister cover	SCP 1	1
④	Wind screen	SCP 1	1
⑤	Pan support	SCP 1	4
⑥	Drip pan	SCP 1	1
⑦	Burner head	BsBF	1
⑧	Burner body	AL /DC	1
⑨	Canister lever knob	ABS	1
⑩	Panel	ABS	1
⑪	Fuel/Ignition knob	ABS	1

OPERATING INSTRUCTIONS ON UNPACKING YOUR NEW PORTABLE GAS STOVE

Your new gas stove has been packed for your protection. Carefully remove all plastic and styrofoam packing from your unit. Reverse the drip-pan (pan support side up), before inserting your fuel canister.

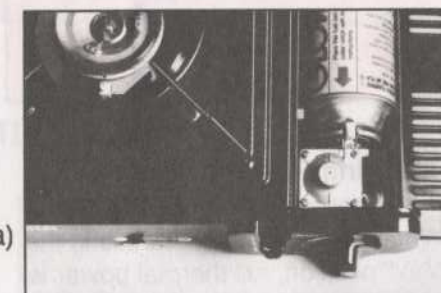
MAKE SURE YOU HAVE READ ALL INSTRUCTIONS CAREFULLY BEFORE USING.

Installing the Fuel Canister

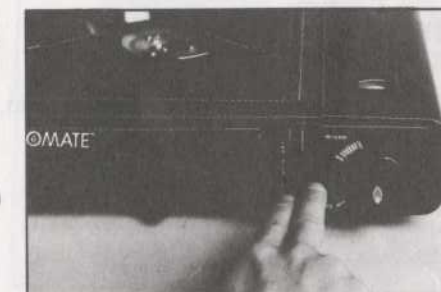
- Lift hinged cover to install fuel canister.
- Make sure fuel supply knob is in "Off" position and canister lever is in "Release" (up) position. If fuel supply knob is not completely in the "Off" position fuel canister cannot be engaged into "Lock" position (Fig.1) (See Safety Lock Feature).
- Align the fuel canister so that the notch in collar lines up with the valve tab. Close hinged cover. (Fig.1a)
- Push down the canister lever to the "Lock" position. (If canister is not positioned correctly, a hissing sound will indicate a gas leak). After checking that the canister is positioned properly, and the lever is in the "Lock" position, you are now able to turn on your gas stove. (Fig.2)



(Fig.1)



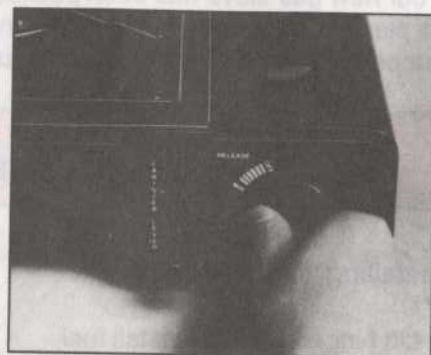
(Fig.1a)



(Fig.2)

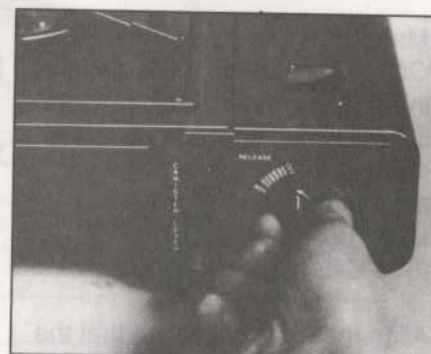
Ignition

- Rotate the fuel supply knob 90° in a counter-clockwise direction to the "Max" position until you hear a distinct "Click" sound.(Fig. 3)
- A distinct "click" sound indicates that a spark has been generated and the burner should now be ignited.
- If the burner does not light, repeat the ignition procedure.
- (Be sure there is fuel in the canister).



(Fig.3)

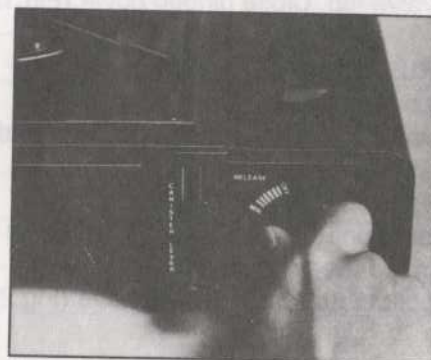
IMPORTANT: if burner does not light and fuel supply knob is not completely in "Off" position, gas is escaping and a distinct odor will be detected.



(Fig.4)

Controlling Fuel Supply

- When the fuel supply knob is in the "Max" position, full thermal power is achieved (high heat).
- The size of the flame can be regulated by turning the fuel supply knob slowly toward the "Off" position. The "Min" position on the dial indicates the lowest suitable setting without the possible extinguishing of the flame.(Fig.4)



(Fig.5)

Shutting Off the Unit

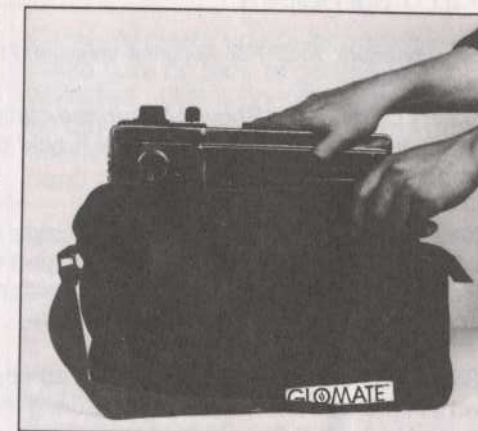
- To shut off, return the supply knob (clock-wise) completely to the "Off" position. (Fig. 5)
- Return the fuel canister lever to the "Release" position. (If unit is not to be used for some time, remove the fuel canister from the unit).

IMPORTANT:

- The flame will extinguish before the supply knob is turned completely to the "Off" position. With the canister lever now in the release position, it cannot be returned to the "Lock" position, unless the fuel supply is returned to the "Off" position. (See page 8, section B) Never force the canister lever, as it will cause permanent damage to the unit.
- Some gas may remain in burner tube after unit has been turned off. For your safety, with canister lever in "Release" position, return fuel supply knob to "Max" position to burn off any remaining fuel.

SAFETY TIPS FOR TRANSPORTING AND STORING

- Check that drip pan and unit body are clean and dry. Set the drip pan unit so that drip pan supporters are upside down.
- Remove fuel canister and replace protective cap. Store canister upright in cool, dry location (below 110°F/43°C).
- When unit is cool to touch, it should be stored in (optional) protective carrying case.



FOUR BUILT - IN SAFETY FEATURES



A. Automatic Safety Stop-this patented feature will automatically release the fuel canister when an abnormal gas pressure occurs. The burner flame will immediately be extinguished. The unit will remain inoperable until gas pressure within the canister returns to the normal range*. Some reasons for excessive pressure build-up are long term exposure to direct sunlight, or any excessive heat build-up near the fuel canister. To reset Automatic Shut-off replace fuel canister or cool down canister being used. Return canister lever to "Lock" position and re-ignite the unit. CANISTER LEVER WILL NOT ENGAGE IN "LOCK" POSITION UNTIL UNIT HAS COOLED SUFFICIENTLY.

*(normal pressure: 20-25 PSI. Abnormal pressure: 71-99PSI)

B. Safety Lock I- (Not Shown) When the canister lever is in the "Release" position, it cannot be engaged in the "Lock" position unless the fuel supply knob is completely in the "Off" position.

C. Safety Seal- In order to maintain a secure seal between the fuel canister and gas inlet port, the regulator inlet is equipped with two special O-rings. When the fuel canister is engaged in the "Lock" position, the O-rings expand and seal in the canister neck.

D. Safety Lock II- When drip pan is turned upside down (drip pan supports turned down) in preparation for moving or storing the unit, the canister lever cannot be engaged in the "LOCK" position in order to prevent any possible gas leakage.

HOW TO CARE FOR AND MAINTAIN YOUR PORTABLE GAS STOVE

Cautions Before Cleaning:

- Be sure fuel canister has been completely removed.
- Be sure unit is cool to touch before attempting to clean.
- Never attempt to disconnect safety features or fuel connection lines.

Symptoms	Care and Maintenance
• Dried up food and liquid on drip pan	Remove drip pan from unit. Use a mild detergent or a clean cloth to wipe off both sides of the drip pan.
• Uneven burning	Clogged burner ports will cause uneven burning and eventually will extinguish the flames. Use an old toothbrush to clean out clogged burner ports. Be careful not to move or bend electrode when cleaning the burner.
• Electrode Malfunction (Keep the distance between the electrode tip and burner head constant. Approx. 1/8")	Carefully check tip of electrode to make sure no food or grease has collected. Use a dry cotton swab (Q tip) and carefully remove any debris. Be careful not to move or bend the electrode.
• Dried up food and grease on burner body. (Burner body and drip pan have a protective porcelain/enamel coating for easy clean up and minimum maintenance.)	Never use paint thinner, powder detergent or steel wool to clean burner surface. Never attempt to clean unit under a faucet. Regulator valve can be easily damaged. Use a damp cloth with mild liquid detergent and then wipe off dry.

TROUBLE SHOOTING GUIDE

Possible Causes	Symptoms						Possible Remedies
	No spark at electrode	No ignition/faulty ignition.	Low Flame.	Yellow Flame.	No Flame.	Uneven Flame.	Canister lever locked in "RELEASE" position. Canister lever will not stay in "LOCK" position. Stopped working while in operation. Detectable gas odor.
Air temp. below 32°F	•			•			Move the unit and canister to warmer location
Low fuel supply			•		•		Replace fuel canister
Empty fuel canister	•			•		•	Replace fuel canister
Clogged burner ports	•	•	•	•	•		Clean out with old toothbrush
Fuel canister incorrectly set or the nozzle of the canister may be defective	•			•		•	Remove or replace defective canister and reset in correct position. Re-check for odor or hissing sound
Bent or encrusted electrode	•	•		•			Use a toothbrush or dry cloth to clean off electrode tip
Canister lever in "RELEASE" position	•			•		•	Move lever to "LOCK" position. Make sure canister has not been exposed to excess heat.

CUSTOMER SERVICE / BUTANE REFILLS

- A. If you can't locate butane refills at your local store, call our butane hotline 1-(888) 386-7868, for your nearest supplier, or we will ship direct.
- B. After referring to trouble shooting guide, if problem is not resolved, do not attempt to repair by yourself. Contact your dealer and describe the trouble or condition.

TROUBLE SHOOTING GUIDE (CONTINUED)

Possible Causes	Symptoms										Possible Remedies
	No spark at electrode	No ignition/faulty ignition.	Low Flame.	Yellow Flame.	No Flame.	Uneven Flame.	Detectable gas odor.	Flame does not go out in "Off" position.	Stopped working while in operation.	Canister lever will not stay in "LOCK" position.	Canister lever locked in "RELEASE" position.
Drip pan on wrong side		•								•	Reverse drip pan so that drip pan supports upright
Clogged valve inlet port		•	•		•	•	•				Will require dealer inspection and maintenance service
Fuel supply knob not in "OFF" position										•	Turn fuel supply knob completely to "OFF" and reset canister lever
Fuel supply knob malfunction	•	•	•		•		•	•			Require dealer inspection and maintenance service
Malfunction of the pressure sensor valve		•			•				•	•	Require dealer inspection and maintenance service
Malfunction of ignition system	•	•			•						Require dealer inspection and maintenance service
Pressure sensor in regulator valve activated		•								•	Remove unit and canister from heat source. Allow to cool before resetting Safety Pin. (See Pg.8 ItemA)

CARRYING CASE

Optional carrying case available with storage pocket for Butane Fuel canister.



SPECIFICATIONS

GLOMATE	
Model Number	GM1300
Type of Ignition	Piezo-Electric
Dimension	13.2"L x 11.4"W x 4.4"H
Weight	4.62 Lbs. (2.1 Kgs)
Safety Device	a) Pressure Sensor gas shut-off b) Auto drip pan shut-off
Burner Construction	Brass Burner Head
Fuel Consumption	160 Grams/Hr, Approx. 1 Hr 40Min/Canister
Type of Fuel	Butane (LPG)
Maximum Heat Output	7,516BTU/Hr
Fuel Container/Nt. Wt.	227Grams (8 Oz.)
Manufactured by	Ranee Industrial Co. Ltd.

LIMITED WARRANTY POLICY FOR THE GLOMATE™ PORTABLE GAS STOVE

LIMITED ONE-YEAR WARRANTY

GLOMATE warrants to the original consumer purchaser that this appliance will be free from defects in material and workmanship for one year from the date of purchase.

OBTAINING SERVICE

To obtain warranty service, a copy of your warranty card must be on file in this office. If the appliance is defective in material or workmanship, return prepaid to GLOMATE. GLOMATE will repair or replace it free of charge and return it to you at GLOMATE's cost. If you are sending your appliance, please include a memo giving your name and address, the model number, serial number, reason for return, date purchased and place purchased.

Special Note : Be sure to return all parts with the appliance and pack securely. You may wish to insure the package against possible damage or loss in transit. If malfunction occurs after the warranty period, you may request an estimate of repair costs from GLOMATE prior to your authorizing repairs.

WARRANTY LIMITATION

The limited warranty does not cover: damages due to improper handling as well as normal wear; cartage or shipment to or from GLOMATE; new products purchased or service performed outside of the contiguous 48 states and the States of Alaska and Hawaii; any defect, malfunction or failure caused by or resulting from improper service, maintenance or repair, or from abuse (including use of non-GLOMATE butane fuel cartridge), neglect, accident or any other cause beyond the control of GLOMATE, or to any appliance whose serial numbers shall have been removed, altered, replaced, defaced or rendered illegible.

THIS STATEMENT CONSTITUTE THE EXCLUSIVE EXPRESSION OF WARRANTIES BY THE MANUFACTURER AND IS IN LIEU OF ANY AND ALL OTHER WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, THIS LIMITED WARRANTY IS MADE ONLY TO THE ORIGINAL CONSUMER PURCHASER OF THE APPLIANCE AND IS EFFECTIVE ONLY UPON PRESENTATION OR PROOF OF DATE OF PURCHASE, NO OTHER EXPRESS WARRANTY OR GUARANTEE, EXCEPT AS STATED ABOVE, GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS APPLIANCE, SHALL BIND GLOMATE. THIS LIMITED WARRANTY EXPRESSLY EXCLUDES INCIDENTAL AND CONSEQUENTIAL DAMAGES CAUSED BY OR RELATING TO A DEFECT IN ANY APPLIANCE, SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS OF THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

GLOMATE LIMITED WARRANTY REGISTRATION

MODEL NO. _____ SERIAL NO. _____

DATE OF PURCHASE _____

COST _____

NAME OF THE DEALER _____

DEALER ADDRESS _____

IMPORTANT: Attach and retain your register receipt! Complete the warranty information above now, in order to help us serve your needs, if warranty work should be required.

(Customer Copy)

GLOMATE SPORT PRODUCTS

150 COOPER ROAD, UNIT G-18 WEST BERLIN, NEW JERSEY 08091