



PRO-BOIL
by Flame King



**ALL-IN-ONE
Propane Stove System
Instructions**



ALL-IN-ONE Propane Stove System Instructions

Important: Read these warnings and instructions carefully prior to assembling or using this product. Fully familiarize yourself with this product before connecting it to a fuel canister. Keep these instructions for future reference.

DANGER

ONLY USE OUTDOORS IN A WELL-VENTILATED AREA IN ORDER TO AVOID ENDANGERING YOUR LIFE

WARNING **FIRE OR EXPLOSION HAZARD**

If you smell gas:

1. Do not attempt to light appliance.
2. Extinguish any open flame.
3. Disconnect from fuel supply.
4. Evacuate immediately.
5. Allow gas to dissipate 5 minutes before relighting the appliance.

Failure to follow these instructions could result in fire or explosion, which could cause property damage, personal injury, or death.

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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, caravan, tent, car, mobile home, marine craft, or home.

FOR YOUR SAFETY

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

WARNING

- Do not modify this appliance. This may be hazardous and will void the warranty.
- Burn Hazard - Accessible parts may become very hot.
- Burn Hazard - Keep away from children.
- Do not leave stove unattended while in use.

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SPECIFICATIONS

Gas category: Direct Pressure – Propane. Cylinder must conform with DOT39 or DOT4BA standards. This appliance is only intended for use with 1 Lb or 1/2 Lb propane cylinders (sold separately). It may be hazardous to attempt to use other types of gases.

LEAK CHECK PROCEDURE

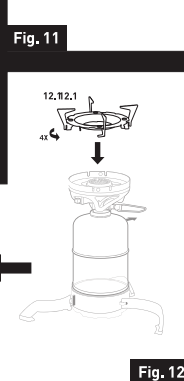
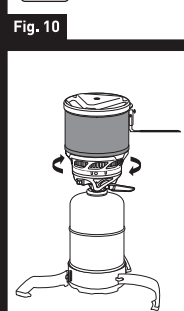
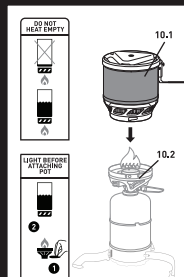
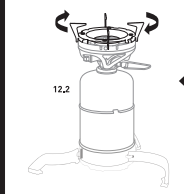
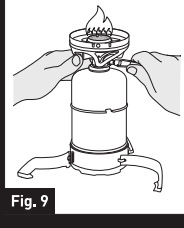
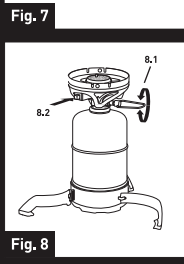
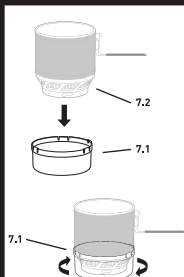
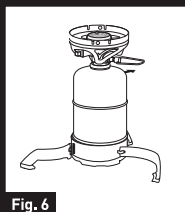
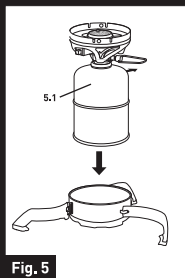
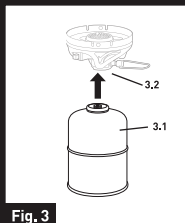
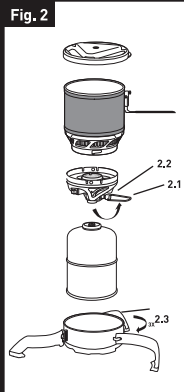
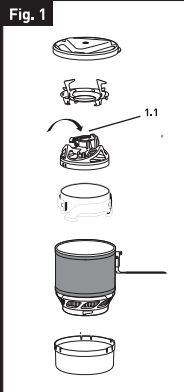
1. Perform leak checks outside, in a well-ventilated area.
2. Connect fuel canister [3.1] to valve [3.2] by threading in the orientation shown in Fig 4.
3. Put soapy water on the gas connection between fuel canister and the valve. Formation of bubbles indicate a gas leakage.

⚠ WARNING Do not check for leaks using a flame.

⚠ WARNING If a leak is detected, do not attempt ignition. Remove fuel canister immediately and contact Customer Service.

4. If no leak is found, detach fuel canister. Leak check is complete.

FIGURES



ASSEMBLY

⚠ WARNING

- Perform Leak Checks outside, in a well-ventilated area.
- Operate at least 1m/3.3ft away from combustible materials and ignition sources.
- Before each use: Keep stove area clear and free from combustible materials, gasoline, and other flammable vapors and liquids.
- Do not obstruct the flow of combustion and ventilation air to the stove.
- Do not use windscreen or outback oven; this can overheat the fuel canister, resulting in explosion.
- Do not use an appliance which is leaking, damaged or which does not operate properly.
- Always change gas canisters in a well ventilated location away from any sources of ignition, such as naked flames, pilot, electric heaters/equipment and away from other people.

1. Remove packed contents from pot (Fig 1).
2. Perform LEAK CHECK PROCEDURE (See Page 5).
3. Unfold the bail (2.1) from the valve body (2.2). Confirm wireform bail ends are securely attached.
4. Close the control valve (8.1) (turn clockwise).
5. Check for debris in the valve connection (1.1), and that the O-Ring is in place and in good condition before connecting to the stove.

⚠ **WARNING** Do not use the appliance if it has damaged or worn seals, this may result in gas leakage.

⚠ **WARNING** In temperatures below freezing, O-Rings may not seal fully, resulting in a fuel leak.

6. To check that the gas canister is not empty, liquid fuel may be heard and/or felt inside when the canister is shaken.
7. Connect fuel canister (3.1) to valve (3.2) by threading in the orientation shown in Fig 4.
 - ⚠ **WARNING** Hand tighten only, do not over-tighten or cross-thread. May damage seals resulting in fuel leak.
8. Unfold stabilizer legs (2.3) and securely attach stabilizer to fuel canister (Fig 5).
9. Place assembled stove on a flat, level surface, at least 1m/3.3ft away from any combustible materials or ignition sources.
10. If using Pot Support: Unfold pot support legs (12.1), place it on top of burner base and rotate to lock (12.2). Confirm that support is fully attached, seated and stable.
 - ⚠ **WARNING** Never use alternate cookware without the PRO-BOIL Support. Failure to use the Pot Support will result in a fire that may cause death or serious injury.
 - ⚠ **WARNING** Never use cookware larger than 2L capacity or 9in. [23cm] diameter when using a Pot Support.

OPERATING INSTRUCTIONS

⚠ WARNING

- Keep burner at arm's length, away from face, during ignition. Flame can flare during ignition.
- Do not attempt to light with included pot or any other cookware on the burner. Gas build-up can occur, resulting in increased flame eruption.
- Never expose stove to flammable vapors or liquids while lighting the burner. It can cause an explosion or fire.
- Do not heat empty pot. Product will melt and potentially catch fire.
- Do not move, lift, or tilt stove with lit burner. Product damage or injury can occur due to flaring.
- Do not fill pot more than half full. This may cause boil-over, resulting in injury.
- If attempting to heat anything other than water, use care and stir frequently to avoid boil over or scorching, which may result in product damage or injury.
- Always check that the burner is extinguished before disconnecting the fuel canister.
- Do not use for boiling oil or deep frying. Product damage or injury can occur due to overheating.

Preparation:

1. Remove bottom cover (7.1) from bottom of the Flame king pot (7.1). **2.** Remove Pack Bag (if included). **3.** Remove Pot Support Warning Tag. **4.** Add contents to the pot, cover with lid, but do not put the pot on the stove yet. Now you are ready to light the burner. **5.** Test igniter by depressing igniter button (8.2) until click is heard. If it does not spark, refer to Maintenance and Troubleshooting sections.

NOTICE Performance may be suboptimal if used in extreme conditions (cold, hot, wind, altitude).

⚠ WARNING Do not use stove to warm fuel canister. Can result in explosion.

Lighting the Burner:

⚠ CAUTION Ensure burner base is free of any pot prior to lighting. Gas build-up can occur, resulting in increased flame eruption.

1. Open control valve (8.1) counterclockwise until fully opened and gas flow can be heard. **2.** To light, depress Igniter Button (8.2) until click is heard. Repeat as necessary until ignition (Fig 9). **3.** If ignition does not occur within 5 seconds, close control valves and wait 5 minutes before repeating the procedure.

Usage:

1. If necessary, rotate control valve (8.1) clockwise to decrease flame setting. **2.** Once the burner is lit, carefully place the pot with its contents on the burner base (Fig 10); turn as shown in Fig 11 to lock into place.

⚠ CAUTION Use care when removing lid. Steam and/or contents may be hot and can cause injury.

After Use:

1. Turn off control valve (8.1) (tighten clockwise) to extinguish flame. **2.** Remove pot from burner base – hold pot by cozy (10.1), and base by shroud (10.2).

⚠ WARNING Exposed metal parts will be hot and may cause injury if touched.

3. Always disconnect fuel canister after use. Unscrew fuel canister from burner base (Fig 4), and replace plastic fuel cap.

⚠ WARNING Always check that the burner is extinguished before disconnecting the fuel canister. Vapors can ignite and cause serious injury.

Packing:

1. Allow stove to fully cool before packing. **2.** Place bottom cover (7.1) on pot (7.2).

3. Remove stabilizer from canister and fold for storage (1.2). **4.** Fold Valve bail under valve body (1.3). **5.** If using the pot support: Remove pot support from burner base (Fig 12), and fold legs (1.4). **6.** Refer to Fig 1 for packing contents into pot.

Storage After Use:

1. Always disconnect fuel canister before storing the stove. **2.** Ensure stove and pot are clean and dry before storing. **3.** Store the stove in a cool, dry location, indoors.

Maintenance:

1. Flame Check (Every use): The height of the flame should increase from low to high with counter-clockwise rotation of the control valve. Flame should be blue with no yellow tipping at full output. Flame should not flash back into burner or lift off of burner top. If flame abnormalities are found, see your dealer or contact Flame king for service.

2. Cleaning Pot (before storage, or as needed): Allow pot to cool before cleaning. Do not use a dishwasher or abrasive compounds (sand, salt, etc.) to clean. Only wash by hand with soapy water.

Troubleshooting:

1. Flame does not extinguish: Tighten valve as much as possible, blow out flame, and immediately detach fuel source. See your dealer or contact Flame king for service.

2. Igniter fails to spark: If igniter will not spark, check positioning of electrode in relation to burner. Approximately 1/8" (3mm) length of igniter wire should protrude from the igniter ceramic. Wire should point toward center of burner with a 1/8" (3mm) gap between the end of the wire and the top surface of the burner. If not positioned as described, re-position the electrode accordingly. Bend wire towards center of burner head and position as described above. If stove is wet, igniter may fail to spark. If igniter fails to spark, use matches or a lighter, following instructions detailed in **OPERATING INSTRUCTIONS – Lighting the Burners**. See your dealer or contact Flame king for service if igniter fails to spark for any other reason. **3.** If an issue cannot be corrected using these instructions, see Limited Warranty on back page.



WARRANTY/SERVICE INFORMATION

This appliance must only be serviced by an authorized person. Contact your local dealer, distributor, or PRO-BOIL for parts and/or service.

Please visit <http://www.flameking.com>
for product warranty information.



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