**WARNING**

Do not attempt to use this stove: (1) before reading and fully understanding this Instruction Manual; (2) if you are not prepared or comfortable attending to a burning and/or hot stove at all times; (3) if you observe leaking fuel; or (4) if you observe any condition in the stove system or in the surrounding environment that would make operation of an open flame device dangerous. Failure to follow these directions can cause an unsafe situation leading to fire, burns, severe injury or death.

This stove is designed for outdoor use (i.e., not within enclosed spaces of any kind, e.g., tent, boat, or building). Never use it in any other purpose. Use of stove within any enclosed space, or for a purpose other than boiling water or cooking food can cause fire, burns, severe injury or death.

Do not disassemble stove beyond what is described in these instructions. Do not modify stove. Disassembly or modification of stove in any manner may create unsafe situations or cause damage to your stove. Use of replacement parts not specific to your stove model, can result in an unsafe situation where fire, burns, severe injury or death can occur.

- Do not use stove if parts are missing, broken, or with replacement parts not specific to your stove model. Use of stove with missing or broken parts, or with replacement parts not specific to your stove model, can result in an unsafe situation where fire, burns, severe injury or death can occur.
- Always use stove on a solid, stable, even surface to avoid tipping. Tipping of stove can result in an unsafe situation where fire, burns, severe injury or death can occur.

Cascade Designs, Inc. warrants the use of appropriately sized MSR brand cookware only. Use of cookware other than MSR brand cookware will be at the user’s own risk and discretion.

**MOUNTAIN SAFETY RESEARCH**

For product service and information contact:

Cascade Designs, Inc.
4800 First Avenue South, Seattle, WA 98134 U.S.A.
Phone: 800.531.9531 or 206.505.9500

**FOR OUTDOOR USE ONLY**

For product service and information contact:

Cascade Designs, Inc.
4800 First Avenue South, Seattle, WA 98134 U.S.A.
Phone: 800.531.9531 or 206.505.9500

www.msr.com

MSR 33082 A EN

**STOVE MAINTENANCE**

**CARBON MONOXIDE, FIRE & EXPLOSION HAZARD**

There are serious hazards associated with using this stove and fuel. Accidental fire, explosion, and misuse can cause death, serious burns, and property damage. You are responsible for your own safety and the safety of those in your group. Please use good judgment.

This stove is for OUTDOOR USE ONLY. Never use this stove in a tent, wall tent, car, house, or inside any enclosed area. This stove consumes oxygen and produces carbon monoxide gas, which is poisonous and has no odor. This stove can easily ignite nearby combustible materials and flammable liquids or vapors.

If you use this stove in an enclosed area you can be killed or seriously burned.

Keep stove and fuel away from other heat sources. Never cook with an oven or an Outback Oven with a diameter larger than 10 inches (25 centimeters). Oversized cookware can overheat the fuel bottle. If you expose the fuel bottles to high heat, it will explode and you can be killed or seriously burned.

Never let children use this stove. Keep children at least 10 feet (3 m) away from the stove and cooking area, and supervise them at all times.

READ, UNDERSTAND, AND FOLLOW ALL instructions and warnings in this manual before using this stove. Failure to follow warnings and instructions can result in death, serious burns or other injury, and property damage.

**FUEL INFORMATION**

The MSR EX stove burns a variety of fuels by using two different Jets. The GK Jet is used for white gas, kerosene, unleaded auto gas, and aviation gas. This Jet is preinstalled in your stove. The EX stove burns a variety of fuels by using two different Jets. The GK Jet is used for white gas, kerosene, unleaded auto gas, and aviation gas.

This Jet is preinstalled in your stove.

Keep stove and fuel away from other heat sources. Never cook with an oven or an Outback Oven with a diameter larger than 10 inches (25 centimeters). Oversized cookware can overheat the fuel bottle. If you expose the fuel bottles to high heat, it will explode and you can be killed or seriously burned.

Never let children use this stove. Keep children at least 10 feet (3 m) away from the stove and cooking area, and supervise them at all times.

READ, UNDERSTAND, AND FOLLOW ALL instructions and warnings in this manual before using this stove. Failure to follow warnings and instructions can result in death, serious burns or other injury, and property damage.
**XGK® EX STOVE OPERATING INSTRUCTIONS**

To avoid being killed or seriously injured, READ, UNDERSTAND, AND FOLLOW ALL instructions and warnings in this manual before using this stove.

1. **PREPARE FUEL BOTTLE**

   - The XGK® EX stove is sold with two interchangable jets so it can burn a variety of fuels. To ensure the correct jet is installed for the type of fuel to be used, see Fuel Information.
   - **WARNING**
     - Turn off all fuel sources before handling fuel lines or fuel pumps. Failure to follow these directions can cause an unsafe situation or injury or death.

2. **SET UP STOVE**

   1. Loose the stove legs and pot supports.
   2. Place stove on the center of heat reflector.
   3. Close the Pump Control Valve, then stroke Plunger (20-30 strokes).

3. **CONNECT STOVE AND PUMP**

   1. Insert the fuel line into pump.
   2. With fuel bottle on side, control valve points up.

4. **PREHEAT STOVE**

   1. Release only 1/2 tablespoon of fuel.
   2. Close control valve 1 turn and let fuel flow for 3 seconds.
   3. Lock catch arm in burner cup and on priming pad.
   4. Light fuel
      - A brief soccer ball size flame is normal.
      - Never use excess fuel to preheat stove.
      - Use of excess fuel for priming can lead to leaking or spilled fuel that can cause fire, burns, severe injury or death.

5. **TURN STOVE ON**

   1. Wait for preheated flames to reduce in size.
   2. Open 1/2 turn and wait for steady blue flame.

6. **USE STOVE TO COOK**

   1. Set up windscreen.
   2. Fold the ends of Windscreen together.
   3. Between 1 and 2.5 gpm gaps between Windscreen and pot for optimal performance.
   4. Use Windscreen to improve performance in all conditions.
   5. Open fuel bottle pressure.
   6. Add approximately 10 strokes every 10 minutes to maintain performance.
   7. Hold fuel bottle firmly while pumping.

7. **TURN STOVE OFF**

   1. Close Pump Control Valve on Fuel Bottle.
   2. Regardless fuel will continue to burn with a small flame for several minutes.
   3. Close Flame Adjuster Valve on stove.
   4. Allow flames out, wait 3 minutes for stove to cool.
   5. Unlock Catch Arm and remove Fuel Line from Pump.
   6. Depressurize Fuel Bottle and replace stoved.
   7. Hold the Fuel Bottle upright, away from your face and any sources of heat or ignition.
   8. Slowly unscrew Pump to depressurize Fuel Bottle.
   9. To transport the Fuel Bottle, the Pump may be left inside a depressurized Fuel Bottle. The Pump can also be removed and replaced with the Fuel Bottle Cap.

**WARNING**

- Never move a burning or hot stove. Always extinguish stove and cool for at least 5 minutes before moving.
- A brief soccer ball size flame is normal.
- Never use excess fuel to preheat stove. Use of excess fuel for priming can lead to leaking or spilled fuel that can cause fire, burns, severe injury or death.