MSR stoves are uniquely designed and engineered to be reliable even in the most extreme environments. The MSR blue flame is our trademark for performance and is recognized throughout the world.

To prepare the stove for operation, a preheating or "priming" step is required to heat the flame out so that heat is concentrated onto the cookware. The burner cup, flame spreader, and the flow of gas through the fuel line into an appropriate container. Keep away from ignition sources.

1. Remove the flame spreader.
2. Unscrew the jet using the jet & cable tool.
3. Remove the jet and shaker needle.
4. Clear the jet orifice with the jet & cable tool.
5. Replace O-ring if damaged.
6. Insert Plunger.

DANGER

CARBON MONOXIDE, FIRE & EXPLOSION HAZARD

This stove consumes oxygen. Using it in an enclosed area will cause carbon monoxide poisoning and death.

For outdoor use only. Do not use stove in a tent, car, house, or inside any enclosed area.

This stove gives off highly flammable fuel. Leaking fuel can easily ignite and cause fire, serious burns, property damage, personal injury, and death. Do not use a stove that has a fuel leak.

This stove uses a sealed fuel bottle that can explode when exposed to extreme heat. An explosion can cause serious burns, property damage, personal injury, and death. Keep fuel bottle away from stove burner and other heat sources.

READ, UNDERSTAND, AND FOLLOW ALL instructions and warnings in this manual before using this stove.

Failure to follow all warnings and instructions can result in property damage, serious injury, or death.

How This Stove Works

STOVE MAINTENANCE

This stove consumes oxygen. Using it in an enclosed area will cause carbon monoxide poisoning and death.

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READ, UNDERSTAND, AND FOLLOW ALL instructions and warnings in this manual before using this stove.

Failure to follow all warnings and instructions can result in property damage, serious injury, or death.

Limitations of Liability

This limited warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

For product service and information contact:
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4000 First Avenue South, Seattle, WA 98134 U.S.A.
Phone 800.531.9531 or 206.505.9100
www.msrgear.com
**PREPARE FUEL BOTTLE**

The XGK EX uses a variety of fuels. See Fuel Information.

1. Fill fuel bottle to fill line only.
   - Air space is necessary for fuel expansion.
2. Insert pump into fuel bottle and loosely tighten.
3. Close control valve.
   - This valve can ignite combustible materials. Keep combustibles at least 4 feet away from the top and sides of a burning stove. This valve is for cooling food and boiling water only. Never use it for any other purpose. When temperatures are below 36°C (100°F), things can be still and prone to fuel leakage.

**WARNING**

Use MSR fuel bottles only. Non-MSR fuel bottles may leak fuel, resulting in fire and injury. Keep children away from stove and never leave a burning or hot stove unattended.

**TURN STOVE ON**

1. Set up windscreen.
2. Place stove on the center of heat reflector.
3. Rotate the stove legs and pot supports.
4. Set up windscreen. Large cookware reflects excessive heat. Never use cookware with a diameter greater than 10 inches. Never operate stove with empty or dry pots.

1. Insert the fuel line into pump.
2. Secure the catch arm on fuel pump groove.
3. Unlock catch arm and remove fuel line from pump.
4. Depressurize bottle and repack stove.

1. Close control valve.
2. Secure the catch arm on fuel pump groove.
3. Open control valve 1 turn and let fuel flow for 3 seconds.
4. Slightly open control valve.
5. Wait for preheat flame to reduce in size.
6. After flames are out, wait 5 minutes for stove to cool.
7. Close control valve.

**WARNING**

Leaking or spilled fuel can ignite and burn you. Before every use, look for fuel on the fuel bottle, pump, fuel line, and burner. If you see or smell fuel, do not light the stove. See Troubleshooting. Never disconnect the fuel line, pump, or fuel bottle when the stove is in use or fuel will leak, ignite, and burn you.

**USE STOVE TO COOK**

1. Slowly open control valve.
2. Place stove on the center of heat reflector.
3. Wash fuel bottle and pot support. Water will not harm the MSR stove. Use MSR SuperFuel only. It is the highest-quality fuel available for your stove. Fuels other than MSR SuperFuel lead to rapid stove clogging, requiring more frequent Jet and Fuel Line cleanings. The fuels chart below is a guide to help you find white gas when traveling internationally. Do not use leaded fuels.

1. Close control valve.
2. Because of residual fuel in the line, the stove will continue to burn with a small flame.
3. After flames are out, wait 5 minutes for stove to cool.
4. Unlock catch arm and remove fuel line from pump.
5. Depressurize bottle and repack stove.

1. Diminished Flames at Altitude Insufficient Airflow Open Windscreen Slightly
2. Slow Boil Times Clogged Jet or Fuel Line Clear Jet and Clean Fuel Line
3. Diminished Flames Low Fuel Bottle Pressure Pump the Plunger
4. Pump Not Pressurizing Fuel Bottle Damaged Pump Cup Replace Pump Cup
5. Pump Hard to Pump Dry Pump Cup Lubricate Pump Cup
6. Poor Performance Cause: Solution:
   - At Control Valve Stem Damaged or Missing Control Valve
   - Leaking Fuel Cause: Solution:
     - Unleaded auto gas
   - The GK Jet is used for white gas, kerosene, unleaded auto gas, and aviation gas. This Jet is preinstalled in your stove.

**USE FUEL INFORMATION**

- **White gas**
- **Kerosene**
- **Petroleum**
- **Kerosin**
- **Toh-yu**
- **Diesel**
- **Autobenzin**
- **Benzine**
- **Gasolina sin plomo**
- **Essence**
- **Wasbenzine**
- **Bencina blanca**
- **Pétrole à brûler**
- **Pétrole**
- **Parafina**
- **Hydrocarbures**
- **SuperFuel**

**WARNING**

Never disconnect the fuel line, pump, or fuel bottle when the stove is in use or fuel will leak, ignite, and burn you. Never use excess fuel while preheating.

**PREHEAT STOVE**

1. Place stove in sun and let fuel flow for 3 seconds.
2. Close control valve.

**WARNING**

Leaking or spilled fuel can ignite and burn you. Before lighting, look for fuel on the fuel bottle, pump, and fuel line. If you see or smell fuel, do not light the stove. See Troubleshooting. Never place your head or body above the stove when lighting it or while the stove is burning. Never use excess fuel while preheating.

**TURN STOVE OFF**

1. Insert the fuel line into pump.
2. With fuel bottle in use, control valve pops up.
3. Secure the catch arm on fuel pump groove.

**WARNING**

An overheated fuel bottle can explode and burn or injure you. Keep it away from ignition sources, such as water heaters, stoves, pilot lights, furnaces, and electrical devices. Keep the fuel bottle tightly closed in a cool, well-ventilated place.

**WARNING**

Hold the fuel bottle upright, away from your face and any sources of heat or ignition. Never disconnect the fuel line, pump, or fuel bottle while the stove is in use or fuel will leak, ignite, and burn you.

**FUEL INFORMATION**

- **White gas**
- **Kerosene**
- **Petroleum**
- **Kerosin**
- **Toh-yu**
- **Diesel**
- **Autobenzin**
- **Benzine**
- **Gasolina sin plomo**
- **Essence**
- **Wasbenzine**
- **Bencina blanca**
- **Pétrole à brûler**
- **Pétrole**
- **Parafina**
- **Hydrocarbures**
- **SuperFuel**

**WARNING**

Use extreme caution when storing fuel stove. Do not store fuel bottle near heat or ignition sources, such as water heaters, stoves, pilot lights, furnaces, and electrical devices. Keep the fuel bottle tightly closed in a cool, well-ventilated place.