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## MSR WhisperLite Universal

# MSR WhisperLite Universal Hybrid Fuel Camping Stove Instruction Manual

Model: WhisperLite Universal

Brand: MSR

## 1. INTRODUCTION

The MSR WhisperLite Universal Hybrid Fuel Camping and Backpacking Stove is engineered for reliability and versatility in diverse outdoor conditions. This stove offers the flexibility to operate on multiple fuel types, including canister fuel (isobutane-propane), white gas, kerosene, and unleaded gasoline, making it an ideal choice for international travel and varied environments. Its lightweight and compact design, combined with robust construction, ensures consistent performance for boiling water and cooking meals in the backcountry.

## 2. SAFETY INFORMATION

**WARNING: Failure to follow these instructions can result in fire, explosion, serious injury, or death.**

- Use outdoors only in a well-ventilated area.
- Keep stove clear of flammable materials. Maintain a minimum distance of 1 meter (3 feet) from walls, ceilings, and other combustible materials.
- Never leave an operating stove unattended.
- Always ensure the stove is cool before packing or storing.
- Do not use the stove in a tent or enclosed area to avoid carbon monoxide poisoning.
- Keep out of reach of children.

## 3. COMPONENTS OVERVIEW

The MSR WhisperLite Universal stove system includes the following components:





Image: The MSR Fuel Pump, a key component for using liquid fuels with the WhisperLite Universal stove.



**MSR  
Fuel Pump  
included**

Image: The included windscreen and heat reflector, designed to improve stove efficiency in various conditions.

#### **4. FUEL TYPES**

The WhisperLite Universal is designed to operate with a variety of fuel types, offering flexibility for different

environments and availability:

- **Isobutane-propane Canister Fuel:** Provides clean burning and ease of use. The stove can operate with the canister inverted for improved cold weather and low-fuel performance.
- **White Gas (Naphtha):** A highly efficient and clean-burning liquid fuel, ideal for most conditions.
- **Kerosene:** A readily available fuel type, suitable for international travel where white gas may be scarce.
- **Unleaded Gasoline:** Can be used as an emergency fuel, though it may lead to more frequent maintenance due to additives.

Ensure you use the correct jet for your chosen fuel type. The small parts kit contains different jets for optimal performance with each fuel.



Image: An MSR fuel bottle for liquid fuels and an MSR IsoPro canister, demonstrating the stove's multi-fuel compatibility.



# Windscreen & Heat Reflector Included

Image: The WhisperLite Universal stove connected to a red MSR liquid fuel bottle, ready for operation.



Image: The WhisperLite Universal stove connected to an inverted MSR IsoPro canister, utilizing the liquid feed mode for enhanced performance.

## 5. SETUP

### General Setup

1. Unfold the stove legs completely to ensure a stable cooking platform.
2. Place the heat reflector on the ground beneath the stove.
3. Position the windscreen around the stove, leaving a small gap for airflow and fuel line access.

### Liquid Fuel Setup (White Gas, Kerosene, Unleaded Gasoline)

1. Ensure the correct jet is installed for your chosen liquid fuel.
2. Attach the fuel pump securely to the MSR fuel bottle.
3. Connect the fuel line from the stove to the fuel pump.
4. Pump the fuel bottle 10-20 times to pressurize it.

### Canister Fuel Setup (Isobutane-propane)

1. Ensure the correct jet is installed for canister fuel.
2. Screw the fuel line directly onto the threaded canister valve.
3. For optimal cold weather performance or when fuel levels are low, use the included canister stand to invert the canister.

Video: An official MSR video demonstrating the setup and operation of the WhisperLite Universal stove with both canister and liquid fuels.

## 6. OPERATING INSTRUCTIONS

## Lighting the Stove (Liquid Fuel)

1. Open the fuel valve slightly to allow a small amount of fuel to flow into the priming cup. Close the valve.
2. Ignite the fuel in the priming cup. Allow it to burn until almost extinguished (this preheats the generator).
3. Slowly open the fuel valve again. The stove should ignite with a strong, blue flame.

## Lighting the Stove (Canister Fuel)

1. Ensure the canister is upright for initial ignition.
2. Slowly open the fuel valve on the canister.
3. Ignite the gas at the burner head.
4. Adjust the flame to your desired intensity. For liquid feed (inverted canister), wait approximately 30 seconds after ignition before inverting the canister.

## Adjusting Flame and Cooking

Use the fuel valve to adjust the flame intensity. The WhisperLite Universal offers good simmer control for various cooking needs. Place your cookware securely on the serrated pot supports.



Image: The MSR WhisperLite Universal stove in use, heating a pot on a rock surface in an outdoor setting.

## Shutting Down the Stove

1. Close the fuel valve completely.
2. Allow the flame to extinguish and the stove to cool down completely before handling or packing.
3. For liquid fuel, release pressure from the fuel bottle by slowly unscrewing the pump a quarter turn.

## 7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your WhisperLite Universal stove.

- **Self-Cleaning Shaker Jet:** The stove features Shaker Jet technology. To clear the jet, simply shake the stove vigorously. This dislodges carbon deposits.
- **Redesigned Leg Assembly:** The leg assembly is designed for easy access, facilitating quick cleaning and maintenance in the field.
- **Small Parts Kit:** Utilize the included small parts kit for replacing jets, O-rings, and other wear-and-tear components. Refer to the detailed instructions in the kit for specific procedures.
- **General Cleaning:** Keep the stove clean from soot and debris. Use a soft cloth and appropriate cleaning agents.

## 8. TROUBLESHOOTING

If you encounter issues with your stove, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Weak or sputtering flame	Clogged jet, low fuel pressure, incorrect jet for fuel type	Shake stove to clear Shaker Jet. Pump fuel bottle more (liquid fuel). Ensure correct jet is installed.
Difficulty lighting (liquid fuel)	Insufficient priming, low fuel pressure	Ensure adequate priming time and fuel in priming cup. Pump fuel bottle more.
Fuel leaks	Loose connections, worn O-rings	Tighten all connections. Inspect and replace O-rings from the small parts kit if damaged.
Stove not generating heat efficiently	Wind interference, improper windscreen placement	Ensure windscreen is properly installed and protecting the flame from wind.

## 9. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Name	WhisperLite Universal
Brand	MSR
Minimum Weight	11.2 oz (0.32 kg)
Product Dimensions	4"L x 4"W x 6"H
Material	Stainless Steel, Aluminum
Fuel Types	Kerosene, White Gas, Isobutane-propane, Unleaded Gasoline
Manufacture Year	1969 (Original WhisperLite concept)
UPC	040818066300

## 10. WARRANTY & SUPPORT

The MSR WhisperLite Universal stove comes with a **3 Year Limited Warranty**. For warranty claims, technical support, or replacement parts, please contact MSR customer service directly. Detailed contact information can typically be found on the MSR official website or included in the product packaging.

For additional resources and product information, visit the official MSR website: [www.msrgear.com](http://www.msrgear.com)