

MSR Dragonfly (Model 11774)

MSR Dragonfly Compact Liquid Fuel Camping and Backpacking Stove User Manual

Model: Dragonfly (11774)

1. PRODUCT OVERVIEW

The MSR Dragonfly stove is a high-performance, multi-fuel camping and backpacking stove designed for precision cooking in various outdoor conditions. Its robust construction and innovative features ensure reliable operation and ease of maintenance.

- **Dual-valve design:** Provides unrivaled flame control, enabling precision simmer-to-boil control.
- **Extra wide pot supports:** Offers stability for pots and pans up to 10 inches in diameter, suitable for group cooking.
- **Efficient suspended burner cup:** Ensures the stove burns hot and strong while minimizing heat loss to the ground.
- **Compact design:** Folds down to one-third of its working size, fitting easily into a two-liter pot for convenient storage.
- **Shaker Jet technology:** Allows for complete cleaning and maintenance in the field.



The MSR Dragonfly stove fully assembled, showing the burner unit, pot supports, and the connected fuel pump and line.

2. SETUP INSTRUCTIONS

Proper setup is crucial for safe and efficient operation of your MSR Dragonfly stove. Follow these steps carefully:

1. **Unpack Components:** Remove the stove, fuel pump, windscreen, heat reflector, and small-parts kit from the stuff sack.
2. **Prepare Fuel Bottle:** Fill an MSR fuel bottle (not included) with appropriate liquid fuel (white gas, kerosene, diesel, auto fuel, jet fuel). Ensure the fuel bottle cap is securely tightened.
3. **Attach Fuel Pump:** Insert the fuel pump into the fuel bottle and twist clockwise until it is firmly seated. Ensure the pump plunger is fully extended before attaching.
4. **Connect Fuel Line:** Connect the fuel line from the pump to the stove's fuel inlet. Push the connector firmly onto the stove's fitting until it clicks into place.



A detailed view of the MSR Dragonfly fuel pump, highlighting the control valve and connection point for the fuel bottle.

5. **Position Stove:** Place the stove on a stable, level, non-flammable surface. Unfold the pot supports completely.
6. **Install Windscreen and Heat Reflector:** Position the windscreen around the stove, ensuring adequate ventilation. Place the heat reflector under the stove to protect the ground and improve efficiency.
7. **Pressurize Fuel Bottle:** Pump the fuel bottle 20-30 times to build sufficient pressure. The number of pumps may vary depending on fuel level and ambient temperature.
8. **Check for Leaks:** Before lighting, visually inspect all connections for any signs of fuel leaks. Address any leaks immediately.



The MSR Dragonfly stove connected to a red MSR fuel bottle, ready for operation.

3. OPERATING INSTRUCTIONS

The Dragonfly stove offers precise flame control for various cooking needs.

1. **Prime the Stove:** Open the fuel valve slightly for 2-3 seconds to allow a small amount of fuel to flow into the priming cup. Close the valve.
2. **Ignite Priming Fuel:** Carefully ignite the fuel in the priming cup using a match or lighter. Allow the flame to burn down until it is almost out (approximately 30-60 seconds). This preheats the generator tube.
3. **Light the Stove:** Slowly open the fuel valve. The stove should ignite with a blue flame. If it sputters or produces a yellow flame, close the valve, allow it to cool, and repeat the priming process.
4. **Adjust Flame:** Use the dual-valve control to adjust the flame intensity. The primary valve controls the overall fuel flow, while the secondary valve allows for fine-tuning from a simmer to a full boil.
5. **Cooking:** Place your pot or pan on the wide pot supports. Monitor the flame and adjust as needed for your cooking requirements.



A user preparing food on the MSR Dragonfly stove in an outdoor setting, demonstrating its use for camp cooking.

To Shut Down: Close the fuel valve completely. Allow the stove to cool down before handling or packing away.

4. MAINTENANCE

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

- **Shaker Jet Cleaning:** The Dragonfly features Shaker Jet technology. To clear the jet, simply shake the stove vigorously while it is cold. This dislodges carbon deposits from the jet.
- **Generator Cable Cleaning:** If the flame becomes weak or yellow, the generator cable may be clogged. Refer to the included small-parts kit and instructions for cleaning or replacing the cable.
- **Fuel Pump Maintenance:** Periodically lubricate the pump's O-rings and leather cup with silicone lubricant to maintain a good seal and smooth operation. Inspect for cracks or wear.
- **General Cleaning:** Wipe down the stove and fuel line with a damp cloth after each use to remove dirt and fuel residue. Ensure all parts are dry before storage.
- **Storage:** Store the stove in its original stuff sack in a cool, dry place. Ensure the fuel bottle is depressurized and disconnected from the stove before long-term storage.



A close-up view of the MSR Dragonfly stove's burner head, showing the flame spreader and pot support interface, which should be kept clean for optimal performance.

5. TROUBLESHOOTING

Here are solutions to common issues you might encounter with your Dragonfly stove:

Problem	Possible Cause	Solution
Stove won't light or has a weak flame.	Insufficient priming, low fuel pressure, clogged jet/generator.	Ensure proper priming. Pump more air into the fuel bottle. Use Shaker Jet or clean generator cable.
Yellow, sooty flame.	Improper priming, clogged jet, wrong fuel type.	Re-prime the stove. Clean the jet using Shaker Jet technology. Ensure you are using recommended fuel.

Problem	Possible Cause	Solution
Fuel leaks from connections.	Loose connections, worn O-rings.	Tighten all connections. Inspect and replace O-rings if damaged.
Pump plunger sticks or is hard to operate.	Dry O-rings or leather cup.	Lubricate O-rings and leather cup with silicone lubricant.

6. SPECIFICATIONS

Feature	Detail
Brand	MSR
Model Name	Dragonfly
Model Number	11774
Fuel Type	Auto, Diesel, Jet, Kerosene, White gas
Material	Aluminum
Product Dimensions (L x W x H)	4" x 4" x 6"
Item Weight	14.1 Ounces (0.40 kg)
Country of Origin	United States
Included Components	Fuel Pump, Heat Reflector, Instructions, Small Parts Kit, Stove, Stuff Sack, Windscreen

7. WARRANTY INFORMATION

The MSR Dragonfly stove comes with a **3-Year Manufacturer Limited Warranty**. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the warranty documentation included with your product or visit the official MSR website.

8. CUSTOMER SUPPORT


For further assistance, technical support, or to inquire about replacement parts, please contact MSR customer service or visit their official website:

MSR Official Website: www.msrgear.com
MSR Store on Amazon: [Visit the MSR Store](#)

Please have your stove's model name (Dragonfly) and model number (11774) ready when contacting support.

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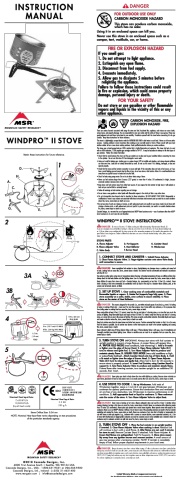

Related Documents - Dragonfly (Model 11774)



[MSR Dragonfly Stove Instruction Manual](#)

Comprehensive instruction manual for the MSR Dragonfly stove, covering operation, maintenance, safety precautions, and troubleshooting for outdoor use.

Detailed guide for the MSR WhisperLite liquid fuel stove, covering setup, operation, maintenance, safety, and troubleshooting for outdoor use.

 <p>The image shows the cover of the MSR Windpro II Stove instruction manual. It features the MSR logo at the top left, followed by the title 'INSTRUCTION MANUAL' and 'WINDPRO™ II STOVE'. Below the title is a list of safety warnings and instructions, including a 'DANGER' section with a flame icon and a 'WARNING' section with a flame icon. The manual is illustrated with several diagrams showing the stove's components and how to use it. The bottom of the cover has the MSR logo and some technical specifications.</p>	<p>MSR Windpro II Stove Instruction Manual - Outdoor Camping Gear</p> <p>Official instruction manual for the MSR Windpro II Stove. Learn how to safely set up, operate, and maintain your outdoor camping stove for optimal performance. Includes safety warnings, parts list, and technical specifications.</p>
 <p>The image shows the cover of the MSR WindBurner Duo & Group Stove Systems instruction manual. It features the MSR logo at the top left, followed by the title 'INSTRUCTION MANUAL' and 'WINDBURNER™ DUO & GROUP STOVE SYSTEMS INSTRUCTIONS'. Below the title is a list of safety warnings and instructions, including a 'DANGER' section with a flame icon and a 'WARNING' section with a flame icon. The manual is illustrated with several diagrams showing the stove's components and how to use it. The bottom of the cover has the MSR logo and some technical specifications.</p>	<p>MSR WindBurner Duo & Group Stove Systems: Instruction Manual</p> <p>Comprehensive instruction manual for MSR WindBurner Duo and Group stove systems, covering safe operation, setup, lighting, cooking, and packing for outdoor use. Includes important safety warnings.</p>

Comprehensive instructions for safely setting up, using, and storing the MSR LowDown Remote Stove Adapter for outdoor camping and cooking. Includes safety warnings and step-by-step guidance.