Power Probe PPMT

Power Probe MT Micro Torch (PPMT) User Manual

Model: PPMT | Brand: Power Probe

1. Overview

The Power Probe MT Micro Torch (PPMT) is a versatile, butane-powered tool designed for a variety of applications including soldering, brazing, loosening fasteners, and plastic forming/molding. Its compact and easy-to-use design makes it a reliable choice for both professional and DIY tasks. The electronic igniter ensures quick and dependable startups every time.

Key features include:

- Sturdy construction for durability.
- Electronic ignition for reliable starts.
- Adjustable flame control for precise heat output.
- Easily refillable with butane (butane not included).
- Maximum temperature of 2500°F (1300°C) when used as a torch, and 950°F when used for soldering.

Figure 1: Front view of the Power Probe MT Micro Torch, showcasing its compact design and black finish.

Figure 2: Overview graphic highlighting the key features of the Micro Torch, including its sturdy construction, electronic ignition, flame adjustment, and butane refill capability.

2. Setup

2.1 Butane Refilling

The Power Probe MT Micro Torch is easily refillable with standard butane fuel (not included). Ensure you use high-quality butane for optimal performance and longevity of the torch.

1. Turn the flame adjustment knob to the minimum setting and ensure the torch is completely cool.
2. Locate the refill valve at the bottom of the torch.
3. Invert the torch and firmly press the nozzle of the butane canister into the refill valve.
4. Hold for approximately 10-15 seconds, or until the fuel tank is full. A slight overflow may occur when full.
5. Allow a few minutes for the butane to stabilize before ignition.

2.2 Initial Checks

Before first use or after refilling, ensure all connections are secure and there are no visible leaks. Keep the torch away from flammable materials during operation.

3. Operating Instructions

3.1 Ignition

1. Ensure the torch is filled with butane.
2. Adjust the flame control knob to a desired setting (start with a low to medium setting).
3. Press the electronic ignition button firmly. The torch should ignite instantly.
4. To maintain a continuous flame without holding the button, engage the flame lock mechanism (if available on your model).

3.2 Flame Adjustment

The flame size and temperature can be adjusted using the control knob located on the side of the torch. Turn clockwise for a smaller flame and lower temperature, and counter-clockwise for a larger flame and higher temperature.

Figure 3: The Micro Torch demonstrating its adjustable flame, capable of reaching up to 2500 degrees Fahrenheit.

3.3 Applications

The Micro Torch is suitable for various tasks:

- **Soldering:** Ideal for delicate soldering work on electronics or small components.
- **Heat Shrinking:** Efficiently shrinks heat-shrink tubing for electrical insulation.
- **Metal Repair:** Can be used for small metal repairs and brazing.
- **Automotive Diagnostics:** Useful for heating components or working with wiring in automotive applications.

Figure 4: The Micro Torch in action, demonstrating its precision for soldering applications.

Figure 5: The Micro Torch being used for heating in a plumbing scenario, showcasing its versatility.

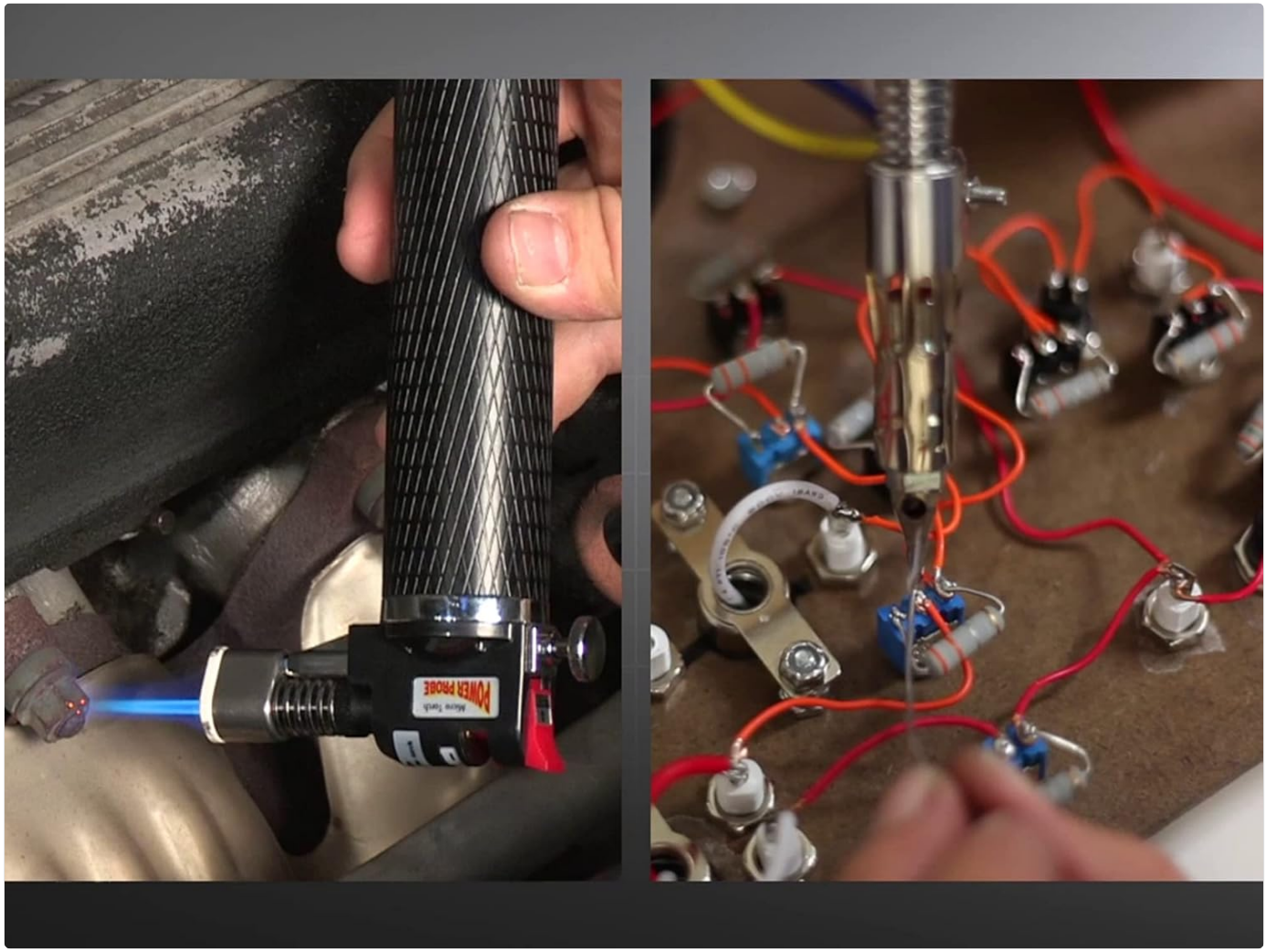

Figure 6: A close-up view of the Micro Torch in operation, highlighting the precise flame control for detailed work.

4. Maintenance

4.1 Refilling Butane

Refer to Section 2.1 for detailed instructions on refilling the butane fuel. Regular refilling ensures continuous operation.

4.2 Cleaning

Keep the torch clean and free from debris. Use a soft, dry cloth to wipe down the exterior. Do not use abrasive cleaners or solvents. Ensure the nozzle and ignition area are clear of obstructions.

4.3 Storage

Store the Micro Torch in a cool, dry place, away from direct sunlight and heat sources. Ensure the torch is completely cool and the flame adjustment is set to minimum before storage. Keep out of reach of children.

5. Troubleshooting

Problem	Possible Cause	Solution
Torch does not ignite.	No butane fuel; Air in fuel tank; Clogged nozzle; Faulty igniter.	Refill with butane; Purge air by pressing refill valve with a small tool; Clean nozzle; Contact support if igniter is faulty.
Inconsistent or weak flame.	Low butane level; Improper flame adjustment; Contaminants in fuel.	Refill butane; Adjust flame control knob; Use high-quality butane.
Butane leaks from refill valve.	Improper refilling technique; Damaged valve.	Ensure firm, straight connection during refilling; If persistent, valve may be damaged, contact support.

6. Specifications

Feature	Detail
Model	PPMT (MT)
Brand	Power Probe
Color	Black
Material	Aluminum
Item Weight	8 ounces
Product Dimensions	1.77"L x 6.9"W x 4.9"H
Maximum Temperature	2500 Degrees Fahrenheit (1300°C)
Ignition Type	Electronic
Fuel Type	Butane (not included)

7. What's in the Box

- One (1) Power Probe - Micro Torch (MT)

8. Warranty and Support

For warranty information and technical support, please refer to the official Power Probe website or contact their customer service directly. Specific warranty terms may vary by region and purchase date.

For additional resources and product information, visit thePower Probe Store on Amazon.

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