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NINSI NS-GL-3

NINSI NS-GL-3 Butane Torch Lighter User Manual

Model: NS-GL-3

1. Introduction

Thank you for choosing the NINSI NS-GL-3 Butane Torch Lighter. This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your new torch lighter. Please read these instructions carefully before use and retain them for future reference.

2. Safety Information

WARNING: Failure to follow these safety instructions may result in serious injury, fire, or property damage.

- Keep out of reach of children. This product is not a toy.
- Contains flammable gas under pressure. Use in a well-ventilated area.
- Do not expose to heat above 120°F (49°C) or prolonged sunlight.
- Never puncture or incinerate the lighter.
- Keep away from face and clothing when igniting.
- Do not use near combustible materials or explosive atmospheres.
- Ensure the flame is extinguished before storing.
- Do not attempt to repair or modify the lighter. Contact customer support if faulty.
- Use only high-quality butane gas for refilling.

3. Product Overview

3.1 Components



Figure 1: Diagram of the NINSI NS-GL-3 Butane Torch Lighter components and dimensions.

- **High-temperature Resistant Spout:** Directs the powerful flame.
- **Ventilation Cooling Holes:** Helps dissipate heat during operation.
- **Safety Lock / Flame Lock Button:** Engages to keep the flame continuously burning or prevents accidental ignition.
- **Ignition Switch:** Activates the flame.
- **Flame Size Adjustment:** Controls the intensity and length of the flame.
- **Bottom Inflation Port:** Used for refilling the lighter with butane gas.

3.2 Features

- **Super Powerful Flame:** Produces a 1300°C high-temperature, fierce blue jet flame, suitable for various tasks.
- **Windproof and Adjustable:** Flame size can be adjusted up to 6.5 inches and is designed to be wind-resistant.
- **Safe and Durable:** Features a copper core flame spout, ceramic protection ring, and a dual-use safety locking flame switch.

- **Refillable Design:** Easily refillable with butane gas for long-term use.
- **Versatile Applications:** Ideal for cooking (crème brûlée, searing), baking, soldering, lighting candles, aromatherapy, fireworks, stoves, BBQ, and outdoor activities.

4. Setup

4.1 Initial Inspection

Upon unpacking, inspect the lighter for any visible damage. Ensure all components are intact. If any damage is found, do not use the lighter and contact customer support.

4.2 Butane Filling

The lighter is shipped without butane gas for safety reasons. Please refer to Section 6, "Refilling Instructions," to fill the lighter before first use.

5. Operating Instructions



Figure 2: The NINSI NS-GL-3 Butane Torch Lighter in operation, showcasing its powerful blue flame.

1. **Ensure Butane Level:** Check that the lighter has sufficient butane gas. If not, refill according to Section 6.
2. **Unlock (if applicable):** If the safety lock is engaged, disengage it.
3. **Ignite:** Press the Ignition Switch to light the flame. The flame should appear instantly.
4. **Adjust Flame Size:** Use the Flame Size Adjustment control (refer to Figure 1) to increase or decrease the flame intensity as needed.



Figure 3: Flame size adjustment mechanism.

5. **Engage Flame Lock (Optional):** For continuous flame, slide the Safety Lock / Flame Lock Button to the 'LOCK' position after ignition.
6. **Extinguish:** Release the Ignition Switch to turn off the flame. If the flame lock was engaged, disengage it first.
7. **Safety Lock:** After use, ensure the safety lock is engaged to prevent accidental ignition.

The NINSI NS-GL-3 Butane Torch Lighter is designed for 360-degree use, allowing for versatile application in various orientations.



Figure 4: Demonstrating 360-degree usability of the torch lighter.



Figure 5: Examples of the torch lighter's versatile applications.

Video 1: This video demonstrates the powerful blue flame, adjustable flame size, and various applications of the NINSI NS-GL-3 Butane Torch Lighter, including lighting, cooking, and soldering tasks.

6. Refilling Instructions

The NINSI NS-GL-3 Butane Torch Lighter is refillable. For optimal performance and safety, use only high-quality butane gas.

1. **Depressurize:** Before refilling, ensure the lighter is completely empty of gas. Use a small tool to press the filling valve (Bottom Inflation Port) to release any residual gas.
2. **Invert Lighter:** Hold the lighter upside down.
3. **Insert Butane Nozzle:** Firmly insert the nozzle of the butane gas canister into the Bottom Inflation Port of the lighter.
4. **Press and Hold:** Press down firmly for approximately 5-10 seconds. Repeat this process 2-3 times to ensure a full fill.

5. **Wait:** After refilling, wait for at least 2-3 minutes before attempting to ignite the lighter. This allows the gas to stabilize and reach room temperature.
6. **Initial Use Note:** After filling, due to air pressure, the flame jet may be irregular initially. It will return to normal after a few uses.

CAUTION: Do not overfill. Do not attempt to ignite while refilling. Butane gas is extremely flammable.

7. Maintenance

- **Cleaning:** Periodically clean the exterior of the lighter with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Nozzle Care:** Keep the flame nozzle clear of debris. Do not poke or obstruct the nozzle.
- **Storage:** Store the lighter in a cool, dry place, away from direct sunlight and heat sources. Ensure it is completely extinguished and the safety lock is engaged before storage.

8. Troubleshooting

Problem	Possible Cause	Solution
Lighter does not ignite.	No butane gas; air in the tank; ignition mechanism fault.	Refill with butane; bleed air from the tank; contact support if persistent.
Weak or inconsistent flame.	Low butane level; incorrect flame adjustment; air in the tank.	Refill butane; adjust flame control; bleed air from the tank.
Gas leaks during refilling.	Butane nozzle not properly aligned; valve issue.	Ensure nozzle is straight and pressed firmly; try a different butane brand/nozzle adapter.

9. Specifications

Feature	Detail
Model Number	NS-GL-3
Brand	NINSI
Dimensions (L x W x H)	7.3" x 1.4" x 1"
Item Weight	0.37 Pounds (approx. 5.9 ounces)
Material	Zinc Alloy + ABS
Maximum Temperature	1300 Degrees Celsius
Power Source	Butane Gas (not included)
Included Components	Lighter

10. Warranty and Support

NINSI products are manufactured to high-quality standards. For information regarding warranty coverage, returns, or technical support, please refer to the product packaging or contact the retailer where the product was purchased. You may also visit the official NINSI store on Amazon for further assistance: NINSI Store.

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