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TOPKAY BC590

TOPKAY Butane Torch Lighter User Manual

Model: BC590

1. PRODUCT OVERVIEW

The TOPKAY Butane Torch Lighter is designed for versatility and reliability, featuring a powerful jet flame that is wind-resistant, making it suitable for various indoor and outdoor applications. This refillable lighter offers adjustable flame control and a visible fuel window for convenience.



Image: Two TOPKAY Butane Torch Lighters in operation.

Key Features:

- **Windproof Jet Torch:** Features a large burner nozzle producing a powerful jet flame up to 2.5 inches in length, with a maximum temperature of 2800°F, ensuring reliable ignition even in windy conditions.
- **Safe and Durable Construction:** The nozzle is made of copper for continuous flame support and extended use. Cooling holes and a ceramic port are integrated for maximum heat dissipation, preventing damage from high temperatures.
- **Refillable & Adjustable:** Easily refillable with butane gas. The flame level can be adjusted directly by turning the large adjustment knob located at the bottom of the lighter, allowing for precise flame height control from low to high.
- **Visible Fuel Level Window:** Equipped with a 2.8g capacity gas tank and a transparent window to monitor the butane level, indicating when refilling is necessary. For safety, the tank should only be filled to 85% of its liquid butane capacity.
- **Multipurpose Use:** This 6-inch mini jet torch lighter is compact and portable, ideal for lighting candles, barbecues, fireworks, grills, fireplaces, gas stoves, ovens, and for various camping applications.

Excellent Craftsmanship

Superb parts and workmanship
stable firepower system



Image: Labeled components of the TOPKAY Torch Lighter.

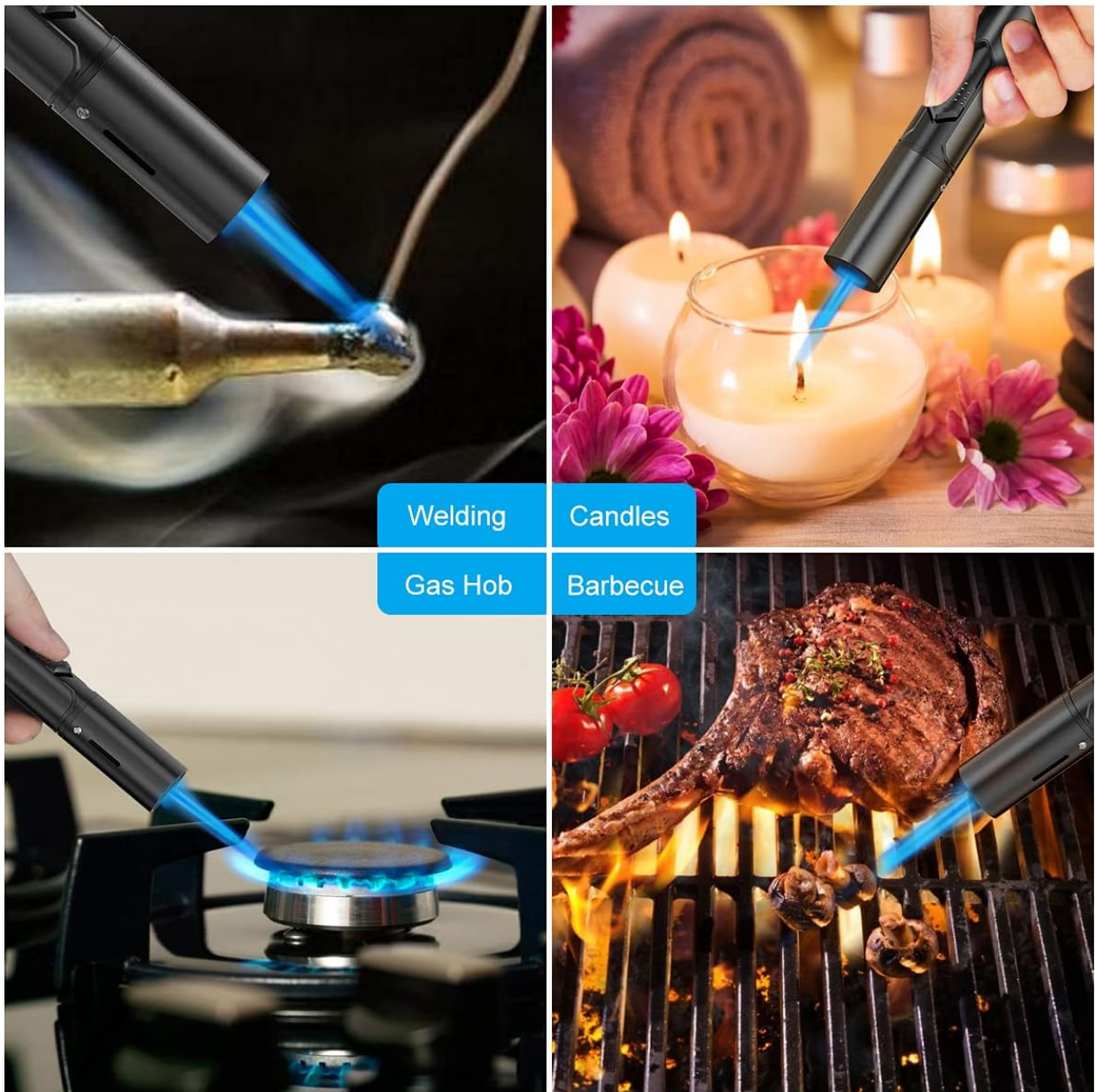


Image: Examples of the lighter's multipurpose applications.

2. SAFETY INFORMATION

Please read and understand all safety warnings before using your TOPKAY Butane Torch Lighter. Failure to follow these instructions may result in injury or property damage.

- Keep out of reach of children.
- Ignite lighter away from face and clothing.
- Do not puncture or incinerate.
- Do not expose to temperatures above 122°F (50°C).
- Avoid prolonged exposure to direct sunlight.
- Ensure lighter is extinguished before adjusting flame or refilling.
- Use only high-quality butane gas. Lower quality butane can clog the lighter.

- Butane fuel is not included with the product due to DOT regulations.

3. SETUP - REFILLING YOUR LIGHTER

For optimal performance, it is highly recommended to use premium butane. Lower quality butane has been known to clog lighters.

1. **Release Pressure:** Before refilling, release all tank pressure by pressing the inlet valve with a small screwdriver or similar tool until no hissing sound is heard.
2. **Set Flame Adjustment:** Turn the flame adjustment wheel on the bottom of the lighter to its lowest setting.
3. **Insert Butane Nozzle:** Hold the lighter in a vertical, upside-down position. Insert the long nozzle tip of the butane can directly and firmly onto the inlet valve. Press down firmly for 3-5 seconds. Avoid overfilling; usually, 5 seconds is sufficient.
4. **Wait Before Igniting:** After refilling, wait 3-4 minutes before attempting to ignite the lighter. This allows excess butane to evaporate and the gas inside the lighter to reach room temperature.
5. **Initial Ignition:** Turn the flame adjustment wheel back 1/2 turn counter-clockwise. Attempt to light the lighter. If it does not light, turn the adjustment wheel another 1/4 turn and try again. Continue adjusting in 1/4 turns until the lighter ignites.



Butane gas with long nozzle only.

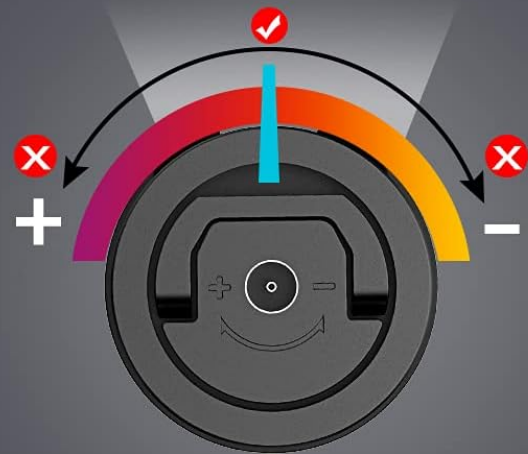
NOTE: Before refilling, make sure no gas in the lighter.



Turn the gas lighter upside down.



Insert the pipe, and do not overfill. Usually takes 5 seconds to fill.



Refill done, and wait several minutes. Adjust the regulator to the middle flame position and light up.

Image: Step-by-step guide for refilling your butane torch lighter.

4. OPERATION - ADJUSTING FLAME LEVEL

The flame height can be easily adjusted to suit your needs.

1. **Increase Flame:** Turn the flame adjustment wheel counter-clockwise on the bottom of the lighter to increase the flame height.
2. **Decrease Flame:** Turn the flame adjustment wheel clockwise to decrease the flame height.
3. **Optimal Flame Height:** For best heating results and efficiency, maintain the flame height at approximately 1 to 1.5 inches.
4. **Safety Precaution:** Always ensure your lighter is extinguished before making any adjustments to the flame height.



Image: How to adjust the flame height on your lighter.



Image: The powerful jet flame in action.

5. MAINTENANCE

Proper maintenance will ensure the longevity and optimal performance of your TOPKAY Butane Torch Lighter.

- **Cleaning:** Periodically clean the lighter's exterior with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Nozzle Care:** Keep the jet burner nozzle free from debris. If clogged, gently clear with a fine needle or compressed air, ensuring the lighter is empty of fuel first.
- **Storage:** Store the lighter in a cool, dry place, away from direct sunlight and extreme temperatures. Ensure it is empty of fuel if storing for extended periods.
- **Fuel Level Check:** Regularly check the visible fuel window to know when to refill, preventing the lighter from running dry during use.

Visible Fuel Window



Image: The visible fuel window for easy monitoring.

6. TROUBLESHOOTING

If you encounter issues with your lighter, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Lighter won't ignite.	No butane, low butane pressure, clogged nozzle, or flame adjustment too low.	Refill with butane. Release air from tank before refilling. Adjust flame higher. Clean nozzle.
Flame is weak or inconsistent.	Low butane level, air in tank, or flame adjustment too low.	Refill butane. Purge air from tank. Adjust flame higher.

Problem	Possible Cause	Solution
Lighter leaks butane.	Overfilled, faulty valve, or improper refilling technique.	Ensure not to overfill. Check valve for damage. Follow refilling instructions carefully.
Flame goes out quickly at max output.	Design limitation or internal issue.	Operate at slightly below maximum flame setting. If problem persists, contact support.

7. SPECIFICATIONS

Attribute	Detail
Brand	TOPKAY
Model Number	BC590
Color	Black Torch Lighter
Material	Ceramic, Copper
Style	Torch
Fuel Type	Butane (Not Included)
Product Dimensions	6.08"L x 0.79"W x 0.79"Th
Item Weight	4.6 ounces (0.13 Kilograms)
Number of Items	2 (in a pack)
Country of Origin	China
Batteries Required	No

8. WARRANTY AND SUPPORT

TOPKAY is committed to providing high-quality products. For any questions, concerns, or support needs regarding your torch lighter, please refer to the contact information provided with your purchase or visit the official TOPKAY website.

Please retain your proof of purchase for any warranty claims. Specific warranty terms and conditions may apply.

