

# ENGLISH (front)

## OPERATING INSTRUCTIONS

### PLEASE READ CAREFULLY BEFORE OPERATING LIGHTER

- FILLING & RE-FILLING LIGHTER WITH BUTANE GAS FUEL**
  - Refill lighter in well-ventilated area only.
  - Never fill lighter near any heat source, sparks, or flame.
  - Never attempt to light lighter during refilling process.
  - Use only butane fuel labeled "Premium".
  - Read warning labels on butane refill canister.
  - Hold lighter away from face and clothing when refilling.
  - Keep lighter lid closed.
  - Wipe lighter and hands dry before igniting.

Unscrew bottom plastic screw cap (Fig. 1). Set flame adjustment near (-) lowest setting (Fig. 6). Hold the lighter in one hand in upside down position. Insert butane gas container filler tip (nozzle) directly on to the fuel inlet valve (Fig. 2). Press down firmly 4-5 seconds. Repeat until a small air bubble is visible in fuel gauge, which indicates fuel level is full. Wait 1-2 minutes before igniting lighter. This will permit any excess butane to evaporate. Ignite and adjust flame to desired height.

If the lighter still won't light, release all of the fuel and refill the lighter. After waiting a few minutes, repeat the process. If it still won't light, fill the lighter half way and try igniting with the fuel adjuster in various positions. If the lighter still won't light, contact Brunton about returning your Helios™ for repair or replacement.

**WARNING!**  
KEEP OUT OF REACH OF CHILDREN!

- Ignite lighter away from face and clothing.
- Contains flammable gas under pressure.
- Never expose to heat above 120°F (49°C) or to prolonged sunlight.
- Never puncture the lighter.
- Fill with gas slowly and do not overfill.
- Wipe lighter and hands dry before lighting lighter.
- Do not touch burner to surface being lit.
- Take care when igniting, as flame is very hot (over 2000°F).
- Be sure flame is out after use.
- Failure to follow instructions can result in serious personal injury.

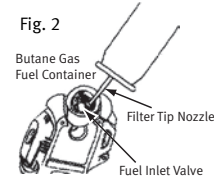
**LIGHTER IS SHIPPED WITHOUT FUEL**

Fig. 1  
Bottom View of Lighter



Bottom Screw Cap

Fig. 2



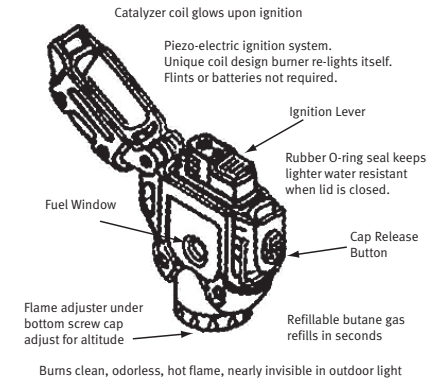
Butane Gas Fuel Container  
Filter Tip Nozzle  
Fuel Inlet Valve

### 2. IGNITING THE LIGHTER

The lighter burns at intensely hot temperatures (over 2,000°F). Flame is nearly invisible in bright light. When lighter is ignited an orange glow is visible through the white ceramic flame window to indicate when the lighter is burning. Catalyzer coil will glow bright orange while lighter is burning.

- Never touch burner coil with fingers or any object. Take care not to touch top of lighter.
- To avoid heat buildup, do not use for any situation that would require continuous flame for more than 10 seconds.

**BRUNTON HELIOS™**  
STORMPROOF® LIGHTER



Catalyzer coil glows upon ignition  
Piezo-electric ignition system. Unique coil design burner re-lights itself. Flints or batteries not required.  
Ignition Lever  
Rubber O-ring seal keeps lighter water resistant when lid is closed.  
Fuel Window  
Cap Release Button  
Flame adjuster under bottom screw cap adjust for altitude  
Refillable butane gas refills in seconds  
Burns clean, odorless, hot flame, nearly invisible in outdoor light

Push the stainless steel wire cap lock (fig. 3) to down position (fig. 4). Open cap by pressing in the cap release button (fig. 4) Set flame adjuster near (-) lowest setting. Adjust desired flame height. Best position for ignition is when flame set 1/2" - 3/4" above burner coil. Push down on the ignition lever (Fig. 4) firmly with thumb until you hear a click sound. When gas and air mix in the combustion chamber, ignition will occur.

Fig. 3  
Stainless Steel Wire Cap Lock Closed Position (wire UP)

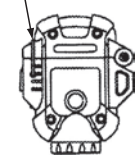
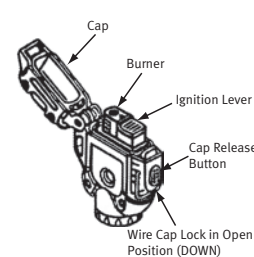


Fig. 4  
Stainless steel wire cap lock Open position (wire down)



Cap  
Burner  
Ignition Lever  
Cap Release Button  
Wire Cap Lock in Open Position (DOWN)

### WARRANTY INFORMATION

Brunton® warrants this lighter to be free of defects in workmanship and materials for a period of one year from the original date of purchase. Proof of purchase is required (please return the warranty card to Brunton), and the warranty is non-transferable. The warranty does not cover damage caused by accident, misuse, abuse, or tampering. A nominal fee will be assessed to repair such damage. If you have any problems with your HELIOS™ lighter, please return it to your retailer or send it to Brunton at the address below. Please contact us by phone or e-mail to receive a Return Authorization number. Please clean the lighter before shipping. Shipping cost to Brunton is the purchaser's responsibility. Brunton will pay return postage.

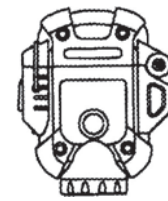
Brunton  
ATTN: Warranty Repair (307) 857-4700  
2255 Brunton Court support@brunton.com  
Riverton, WY 82501 www.brunton.com

**LIMITS OF LIABILITY:**  
Brunton assumes no responsibility for any direct or consequential damage, inconvenience, loss, or injury arising from possession or use of these goods. This warranty gives you specific legal rights, which vary from state to state.

### 3. EXTINGUISHING THE FLAME

Lifting thumb from the ignition lever will stop the fuel flow and extinguish the flame. The flame should stop immediately upon releasing the ignition lever. If the flame continues to burn for a few seconds after releasing the ignition lever, the flame level is too high and should be adjusted towards the (-) mark. Close lighter by pressing cap shut until cap clicks into locked position (Fig. 5) Push stainless steel wire cap lock UP until cap lock clicks into closed position.

Fig. 5  
Correct Closed Position with wire cap lock in closed position (UP)



### 4. FLAME LEVEL ADJUSTMENT

As butane gas is used, the pressure in the fuel tank is reduced. Flame level may be adjusted to the desired flame height. The burner produces a nearly invisible highly efficient flame, which extends above the top surface of the lighter. The flame adjuster is a black plastic arm underneath the bottom screw cap. (Fig. 6). Underneath the bottom screw cap, the lighter is marked (+) and (-). To adjust the flame level, move the flame adjuster with your finger to the desired flame height. To increase the flame, move the flame adjuster counter clockwise towards the (+) mark. To reduce the flame, move the flame adjuster clockwise towards the (-) mark. The best position for ignition occurs 1/2" to 3/4" above the catalyzer coil. See section on high elevation for special instructions for high altitude flame adjustment and recommended fuel.

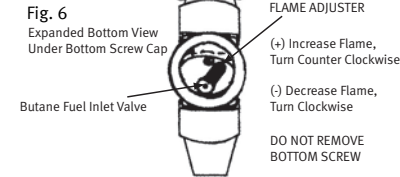


Fig. 6  
Expanded Bottom View Under Bottom Screw Cap  
FLAME ADJUSTER  
(+) Increase Flame, Turn Counter Clockwise  
(-) Decrease Flame, Turn Clockwise  
DO NOT REMOVE BOTTOM SCREW  
Butane Fuel Inlet Valve

### TROUBLE SHOOTING GUIDE

Symptoms	Probable Cause	Solutions
Lighter will spark but not ignite	Out of fuel	Refill lighter
	Flame adjuster set too low	Raise flame adjuster
	Gas feeding system clogged	See below*
Lighter will not spark	Poor fuel quality	Use Premium butane fuel
	Ignition system malfunction	Return for service
Hissing sound heard	Butane leak	Return for service
	Flame adjuster set to high	Lower flame adjuster

If you press down on the ignition lever and do not hear gas escaping even though the fuel reservoir is full, the gas feeding system may be clogged. Try using a ball point pen to push in on the fuel inlet valve and release half the fuel. Then try igniting the lighter. If it doesn't light, release a little more fuel and try again.

### BRUNTON HELIOS™ WARRANTY REGISTRATION

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Email: \_\_\_\_\_  
Date Purchased: \_\_\_\_\_ Amount Paid: \_\_\_\_\_

Would you like to receive a Brunton catalog? ( ) Yes ( ) No

Please let us know where you purchased your HELIOS:

Store Name: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
( ) On-line Site: \_\_\_\_\_ ( ) Catalog: \_\_\_\_\_  
( ) Gift ( ) Brunton ( ) Other: \_\_\_\_\_

Do you own any other Brunton products?

( ) Yes. Product: \_\_\_\_\_ ( ) No

I decided to buy this product because of:

( ) Features ( ) Gift ( ) Recommendation  
( ) Magazine ( ) Catalog ( ) Store Display  
( ) Salesperson ( ) Newspaper

### HIGHER ELEVATION

If ignition does not occur immediately, turn flame adjuster to (-) clockwise direction to maximize oxygen in the burner chamber. Use of premium grade fuel is particularly important at higher elevations.

### COLD TEMPERATURES

All Butane lighters must be stored above freezing in order to operate. Storing lighter in an inner pocket or wearing lighter on a neck lanyard inside an outer garment will enable the lighter to be used at extreme cold temperatures such as -40°F.

### AIRLINE TRAVEL WITH BUTANE GAS LIGHTERS

International aviation regulations prohibit shipping butane gas via commercial airlines. The U.S. Transportation Safety Administration now prohibits refillable butane lighters from being hand carried on board an airplane or from being placed in checked luggage. If you have questions about this policy, please contact your local TSA representative.

