

# THE KIT BAG

Tactical Products For Professionals

**WARNING: FOLLOW ALL INSTRUCTION AND RECOMMENDATIONS SO AS NOT TO VOID WARRANTIES.**

Refer to written instructions or a copy of the same on the <http://www.turboflame.co.uk/maintenance.php> web site.

Additionally, the following are important to ensure longevity of your Turboflame®

1) Avoid smoke blow backs into the lighter tip (e.g. When lighting outdoors make sure wind is either behind or across your Turboflame®).

Excess smoke will cause carbon build up and failure of catalyser – voiding the warranty.

For best results, use tip of the blue flame and not the flame itself for lighting purposes.

2) Since lighters are sold with only small quantity of gas for testing purposes only, it is recommended to \*bleed/refill with recommended gas and then adjust flame height after purchase and each time the lighter gets low on fuel (see refill instructions). After the first flame adjustment you only need to bleed/refill when gas level becomes low (the flame flickers or becomes intermittent that also may indicate trapped air in gas reservoir – that's why **bleeding the gas/air mixture is recommended prior to any refill**).

3) In cooler weather keep your lighter warm (e.g. inside pockets).

In hotter ambient temperatures the flame height may increase and the flame adjustment screw can be turned clock wise to decrease.

In cooler weather or for a more wind resistant flame you can increase the flame height screw – counter clock wise - to compensate for the drop in gas pressure or after using different brand of gas.

4) Maximum working elevation 3,000M (12,000ft).

5) Use the recommended butane gas refills e.g., brands such as Colibri, Newport or Maplin Electronics that use premium quality – marked: **“Triple/Double Refined”** or **“Near Zero Impurities”**. Otherwise use of common supermarket brands that have high impurity (oils) content and low gas pressures in turn cause carbon build up, clogging catalyser and ignition failure. Extra purified butane may be obtained from good tobacconists or catering/cookware stores.

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6) The models with wire catalyser (e.g, Phoenix) need to be kept free from dirt, ash, debris or fluff entering the burner hole, otherwise the wire catalyser burns out. This could be simply avoided by lighting in the flame tip and not the flame itself as well as avoiding foreign debris entering the lighter tip. Broken or missing wire (coil) catalysers are signs of misuse and are not covered under the warranty.

\* **Bleeding:** Take out the existing air / gas mixture, in a well ventilated area away from any open flames or sparks, use a pointed instrument e.g., pen knife or a metal skewer to depress the valve at bottom centre of lighter to discharge the trapped air / gas until hissing stops, then proceed to refill with recommended butane gas (brands such as Colibri, New Port, or Maplin Electronics are recommended).

**CAUTION:** Be careful since the expelled butane is very cold and could cause frost bites - i.e., simply point the refill valve away from yourself - i.e., downwards.

For best results. turn down the flame adjustment screw to minimum before discharging the air/gas from reservoir.

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