



PREMIER - HEAVY-DUTY BUTANE SOLDERING TORCH KIT

MODEL NO: **AK2937**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to
Instruction Manual



Wear eye
Protection



Warning
Hot
Surface

1. SAFETY

- 1.1. IMPORTANT:** Read these instructions for use carefully so as to familiarize yourself with the appliance before connecting it to its gas cartridge or gas cylinder. Keep these instructions for future reference.
- ☐ **WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
 - ☐ **WARNING!** Always wear approved eye / face protection when operating the soldering torch.
 - ☐ **WARNING!** If there is a leak on your appliance (smell of gas), take it outside immediately into a well ventilated flame free location where the leak may be detected and stopped. If you wish to check for leaks on your appliance, do it outside. **DO NOT** try to detect leaks using a flame, use soapy water.
 - ☐ **WARNING!** During operation, keep the appliance at least 500mm from walls, ceilings, and other combustible or heat-sensitive surfaces.
 - ☐ **WARNING!** The appliance must be used in a well-ventilated location in accordance with national requirements, for the supply of combustion air and to avoid the dangerous building up of un-burnt gases for appliances not fitted with a flame supervision device.
 - ☐ **WARNING!** Butane gas is extremely flammable, handle with care.
 - ☐ **WARNING!** Always point the soldering torch away from the eyes and body when igniting and during operation.
 - ☐ **WARNING! DO NOT** put the soldering torch down when it is lit, **DO NOT** leave it unattended.
 - ☐ **WARNING!** The flame is not easily visible in bright daylight.
 - ☐ **WARNING!** Check that burners are extinguished before disconnecting the gas cartridge or gas cylinder.
 - ☐ **WARNING!** Gas cartridge or gas cylinder shall be changed in a well-ventilated location, preferably outside, away from any sources of ignition, such as naked flames, pilots, electric fires and away from other people.
 - ☐ **WARNING!** Only use in a well ventilated area.
 - ☐ **WARNING! DO NOT** modify the appliance.
 - ☐ **WARNING!** This appliance shall only be used with high-purity refined butane gas (commonly known as lighter gas). It must be filled directly through its refill valve using an approved butane canister. Only the specified gas type shall be used, and refilling must be carried out in accordance with the manufacturer's instructions.
 - ☐ **DO NOT** use the appliance if any seals are damaged or worn. Check all seals before refilling the appliance through the refill valve.
 - ☐ **DO NOT** use an appliance which is leaking, damaged or which does not operate properly.
 - ☐ **DO NOT** use the soldering torch in an area where paint fumes, solvents or other flammable solids, liquids or gases pose a potential hazard. Keep flammable material away from the torch when operating.
 - ☐ **DO NOT** modify the appliance.
 - ☐ **DO NOT** operate the soldering torch when you are tired or under the influence of alcohol, drugs or intoxicating medication.
 - ☐ **DO NOT** hold any work-piece by hand.
 - ☐ **CAUTION!** Accessible parts may become very hot. Keep young children away from the appliance.
 - ☐ **DO NOT** operate the soldering torch if it is damaged as this may cause failure and/or possible personal injury.
 - ☐ **DO NOT** touch the top of the soldering torch during or immediately after use, as it will be very hot. Allow to cool.
 - ☐ **DO NOT** allow children to operate the soldering torch.
 - ☐ **DO NOT** store at over 40°C, such as in a car in hot weather.
 - ☐ **DO NOT** attempt to remove excess solder from the soldering torch by shaking it, as hot solder may become airborne and land on skin causing burns and blisters.
 - ☐ **DO NOT** attempt to cool the soldering torch with water.
 - ☒ After use, allow the soldering torch to cool before storing it.
 - ☒ When not in use, store away from direct sunlight in a safe, dry, childproof location.
 - ☒ Replace or repair damaged parts. Use genuine parts only. Non-authorised parts may be dangerous and will invalidate the warranty.
 - ☒ Locate in a suitable work area, keep the work area clean and tidy, and free from unrelated materials. Ensure there is adequate lighting.
 - ☒ Wear appropriate protective clothing.
 - ☒ Remove excess solder from the soldering torch by wiping the tip on a damp sponge.
- 1.2. IDENTIFICATION OF NON-METALLIC RADIANT ELEMENTS**
- 1.2.1.** Non-metallic radiant elements are the heat-emitting components located at the burner head. They are typically made from ceramic or similar heat-resistant material and appear as a porous or mesh-like surface that glows when the appliance is in use. These components must not be touched during or immediately after operation as they may remain extremely hot.

2. INTRODUCTION

Adjustable flame reaches up to 1300°C for a wide range of heating and soldering applications. Powered by butane and features a piezoelectric ignition switch. Continuous flame switch allows for comfortable use during prolonged tasks. Supplied in a durable case with removable EVA foam tray. Torch is supplied with a stand for hands-free use.

3. SPECIFICATION

Model No:	AK2937
Nett Weight:	2.8kg
Nominal Heat input (kW)	0.17 kW (12.3g/h)

4. CONTENTS

1	Heating Torch
2	Lead Free Solder
3	Cutting Knife
4	Fine Tip
5	Chisel Tip
6	Anvil Tip
7	Needle Tip
8	Hot Air Blower
9	Heat Deflector
10	Stand
11	Soldering Sponge
12	Instruction manual

5. FILLING AND OPERATION

5.1. FILLING

- 5.1.1. Use standard butane fuel. Fill in a well-ventilated area away from any open flame. Turn the torch off, ensure the flame is fully extinguished, and allow it to cool for five minutes before filling.
- 5.1.2. Hold the torch upside down and insert the filling can nozzle into the gas filling valve at the base of the torch. Press the nozzle firmly into the valve and release gas. Once gas begins to seep out around the edge of the nozzle, the gas tank is full. Remove the filling can.

5.2. FITTING THE BASE AND FITTINGS

- 5.2.1. Fit the base to the torch by aligning it with the mounting points and pressing it firmly into position until it is secure. Ensure it is correctly seated and stable before use. To attach the Hot Air Blower and fittings to the burner, first unscrew the burner end cap. Insert the Hot Air Blower into the burner end cap, then screw the end cap back onto the soldering torch securely. Once the Hot Air Blower is properly attached, screw the required fitting onto the end of the Hot Air Blower fitting. Ensure all connections are tight and properly engaged before operating the torch.

5.3. TO USE (Refer to Fig.1)

- 5.3.1. Centre the gas adjustment dial between the (+) and (-) signs.
- 5.3.2. Using your thumb, pull down the safety switch.
- 5.3.3. To light the torch, hold it in your hand and use your thumb to press and hold the ignition button (it may take two or three attempts before the torch ignites).
- 5.3.4. Each attempt will require pulling down the safety switch and then pressing the ignition button again.
- 5.3.5. To adjust the flame intensity, use the gas adjustment dial.
- 5.3.6. For a continuous flame, move the continuous flame button to the right before releasing the ignition button.
- 5.3.7. To turn the torch off, move the continuous flame button to the left.

5.4. INDICATION OF WARM-UP PERIOD

- 5.4.1. Allow the appliance a short warm-up period before full operation. The burner should stabilise and produce a steady flame within a few seconds of ignition. **DO NOT** attempt to adjust or use the appliance at full output until the flame has stabilised.

5.5. USING THE SOLDERING TORCH WHEN IT IS HOT

- 5.5.1. If the appliance is hot, handle it with care and only operate it when necessary. Keep hands clear of the burner and heated areas, and avoid direct contact with metal surfaces. **DO NOT** attempt to refuel the appliance while it is hot. If adjustment is required, use the controls only and avoid touching the nozzle or burner. Allow the appliance to cool fully before disassembly, maintenance, or refilling.

5.6. FLARING DURING OPERATION

- 5.6.1. A brief flaring of the flame may occur during the warm-up period or if the appliance is moved while in use. This is a normal effect caused by temporary changes in fuel flow and pressure. If flaring occurs, hold the appliance steady and allow the flame to stabilise before continuing use. Avoid shaking or tilting the appliance during operation to minimise flaring.

AK2937



FUNCTIONS

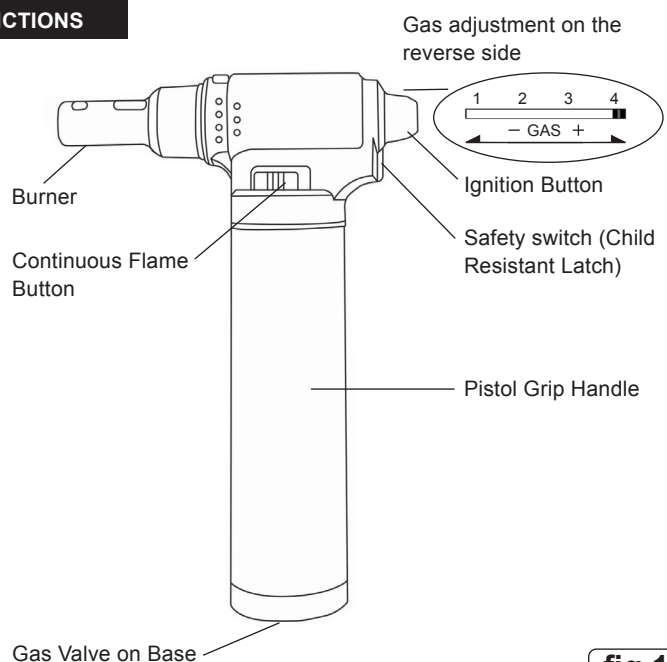


fig.1

6. MAINTENANCE

- 6.1. Keep the appliance clean and free from dust, dirt, and debris. Ensure the gas filling valve is clear and undamaged before each refill. Periodically check seals and connections for signs of wear or damage and replace if necessary. **DO NOT** attempt to dismantle internal components. Store the appliance in a cool, dry place away from direct sunlight and sources of heat. Always ensure the appliance is fully extinguished and cooled before cleaning or storing.
- 6.2. **RETURNING THE APPLIANCE FOR SERVICE**
- 6.2.1. If the appliance becomes faulty or non-functional, discontinue use immediately. **DO NOT** attempt to repair or modify the unit. Return it to an authorised Sealey Service Centre or the supplier from whom it was purchased for inspection and repair. Ensure the appliance is clean, fully cooled, and safely packaged before transport. Include proof of purchase and a brief description of the fault to assist with servicing.

7. END OF LIFE

- 7.1. When the appliance reaches the end of its service life, it must be disposed of in accordance with local regulations. **DO NOT** dispose of the appliance with household waste. Ensure the gas tank is completely empty and the appliance is fully de pressurised before disposal. Take the appliance to an approved recycling or waste electrical and electronic equipment (WEEE) collection point. **DO NOT** attempt to dismantle or incinerate the appliance.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 36 months from purchase date, proof of which is required for any claim.

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