

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

⚠ IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS 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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

- ❑ **WARNING!** Ensure Health & Safety, local authority and general workshop practice regulations are adhered to when using the torch.
- ✓ Familiarise yourself with the application and limitations, as well as the potential hazards, peculiar to the torch.
- ✓ Butane gas is highly flammable, so keep an appropriate fire extinguisher close to hand.
- ❑ **WARNING!** Use and handle the butane gas (lighter fuel) in accordance with the instructions supplied with the fuel.
- ✓ Keep the work area clean, uncluttered and ensure there is adequate ventilation and lighting.
- ✓ Keep children and unauthorised persons away from the working area.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery, and contain and/or tie back long hair.
- ✓ Point the torch away from yourself and others when igniting flame.
- ✓ Keep hands and body clear of the torch head when operating as it becomes very hot.
- ✓ Secure unstable workpiece with a clamp, vice or other adequate holding device.
- ✗ **DO NOT** get the torch wet.
- ✗ **DO NOT** use torch where there are flammable liquids, solids or gases such as paint solvents and including waste wiping or cleaning rags etc.
- ✗ **DO NOT** use the torch for any purpose other than for which it is designed.
- ✗ **DO NOT** use accessories other than those supplied with the torch.
- ❑ **WARNING! DO NOT** touch the torch head during, or immediately after, use. Allow the torch to cool naturally before handling it or returning it to its storage case.
- ✗ **DO NOT** cool the torch in water.
- ✗ **DO NOT** point the torch at yourself, others, or animals.
- ✗ **DO NOT** operate the torch when you are tired, or under the influence of alcohol, drugs or intoxicating medication.
- ✗ **DO NOT** allow untrained persons to operate the torch.
- ✗ **DO NOT** operate the torch if any parts are damaged or missing as this may cause failure and/or personal injury.
- ✗ **DO NOT** touch the workpiece close to the heated area as it will be very hot. Allow to cool.
- ✗ **DO NOT** leave the torch, after use, until it has cooled.
- ✓ When work is complete, allow the torch to cool. Clean the torch and accessories, return to case and store in a safe, dry childproof location.
- ✗ **DO NOT** store in direct sunlight or where the temperature could exceed 104°F/40°C
- ❑ **WARNING!** Failure to use the torch correctly may result in fire, damage and/or personal injury.
- ▲ **DANGER! The flame is invisible in sunlight - be extremely cautious.**

2. INTRODUCTION

Portable and lightweight torch with piezoelectric start. Features adjustable heating control ranging up to 450°C (approximately). Removable solder tip transforms torch into burning flame heat source. Supplied with a variety of nozzles for various applications including a flameless heat source adaptor. Safety cap for storage. Sponge cleaning tray and small roll of solder wire. Suitable for heating, soldering and shrinking. Powered by Butane (lighter fluid).

AK2946 Kit comprises: Butane Solder Torch, Soldering Head with 3 Solder Tips, Spanner for solder tips, Curved deflector plate, Hot Knife, Sponge, Safety Cap.

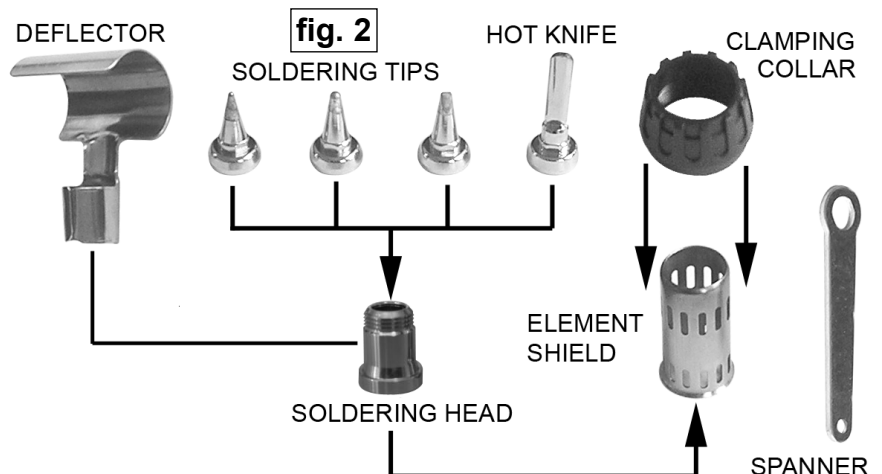
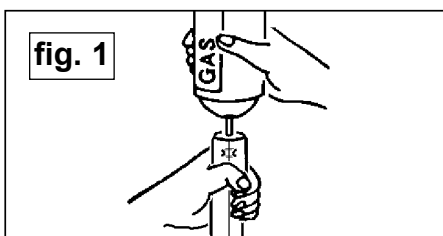
3. OPERATING INSTRUCTIONS

- ❑ **WARNING! Ensure you have read and understood the safety instructions in Section 1 before using the torch.**

Note: The torch is supplied without butane gas. Before use it must be fuelled as follows:

3.1. TO FUEL THE TORCH

- 3.1.1. Use only high quality butane gas (lighter fuel) to fill the torch.
- 3.1.2. Ensure the 'On/Off' switch is in the 'Off' position. See fig.3, 'Gas On/Off Switch'.
- 3.1.3. Follow the instructions on the butane fuel can.
- 3.1.4. Apply the can filler tip to the torch base filler valve (fig.1). Use a pumping action for best filling results.
- 3.1.5. Once full, allow gas in the torch to stand and stabilise for a few minutes before use.



3.2. TO USE AS A SOLDERING IRON or POLYFOAM CUTTER (See fig.3A)

▲ CAUTION: ENSURE ALL PARTS ARE COOL FROM ANY PREVIOUS USE BEFORE PROCEEDING.

3.2.1 The foam pad for tip cleaning is supplied in dehydrated form pushed into the bottom of the rectangular aluminium container. The pad will expand when a small amount of water is poured onto it.

3.2.2. The soldering head is retained by the element shield and both are held in place by the black clamping ring. Screw the required soldering tip, or hot knife to the thread on the top of the soldering head. See fig.3A.

3.2.3. Slide the gas On/Off switch to the 'On' position. You will hear the gas hissing.

3.2.4. To ignite the flame hold in the ignition lock release button and slide the ignition switch (fig.3) backwards until a sharp click is heard. Hold switch in this position for approximately two seconds after ignition.

3.2.5. Allow the soldering head to heat up for about five seconds in order to heat the ceramic element which is inside. Observe the element through the holes in the element shield, it should glow orange.

3.2.6. Turn the gas flow control (fig.3) to adjust the gas flow to the minimum which will sustain the ceramic glow.

3.2.7. Allow the torch to stand for about 2 minutes in order to achieve maximum output. Rest the torch on the ignition switch which acts as a stand. Ensure the tip is not near any combustible material.

Note: If you cease working and intend to restart, allow all parts to cool before following above procedure again.

3.3. TO USE AS A HOT IRON (for shrink wrapping etc. See fig.4)

3.3.1. When the torch has cooled unscrew any soldering tip fitted.

3.3.4. Push the deflector onto the soldering head as shown in fig.4.

3.3.5. For ignition follow steps 3.2.3. to 3.2.6. above. The torch is now ready for use.

3.4. TO USE AS A BURNER (with naked blue flame for burning or heating) See fig.3B.

3.4.1. Unscrew the the black clamping ring. Allow the soldering head to drop out of the element shield. Refit the element shield without the soldering head and hold in place with the black clamping ring.

3.4.2. Ignite the torch as in 3.2.3. to 3.2.6. above.

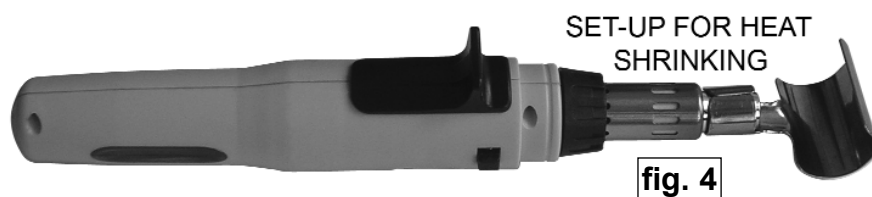
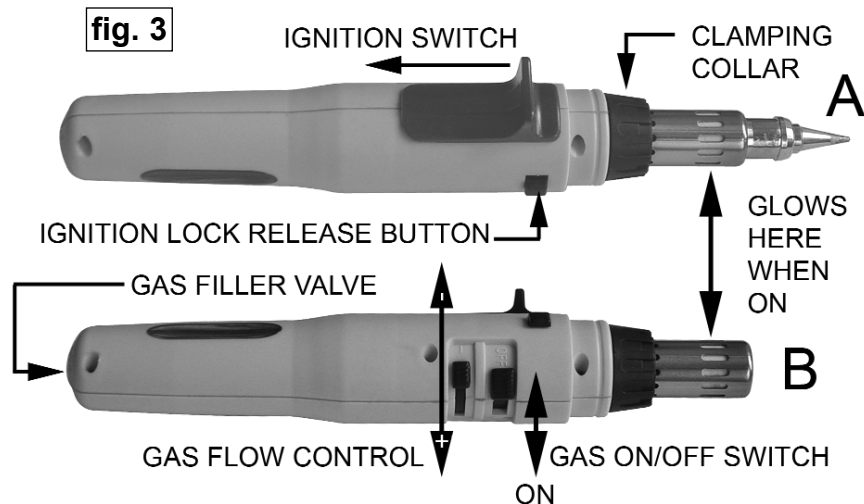
3.4.3. Adjust the flame with the gas flow control (fig. 3). Recommended flame length 10 - 25mm.

3.4.4. Apply flame to workpiece. Only use the minimum flame necessary. Too large a flame is less stable and will waste fuel.

3.5. TURNING OFF THE TORCH

3.5.1. When the job is complete move the gas flow control fully to '-' and the 'On/Off' switch to 'Off'.

3.5.2. Once the torch has cooled down, fit the transparent safety cap over the head to prevent accidental damage to the tip or head.
WARNING! The soldering head will be very hot. Allow to cool before handling.



4. TROUBLESHOOTING

The torch will not ignite.	No fuel.	Refill with butane gas.
	Too high or too low gas pressure.	Adjust the flame control.
Tip does not heat up.	Air holes blocked.	Check that all holes are clear.
	Damaged torch/piezo fault.	Ignite with external flame.
Tip does not heat up.	Poor gas pressure.	Re-fill with gas or allow cold gas to warm up - shake gently to assist warming.

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 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: For a copy of our catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.

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