

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.
- 3 Familiarise yourself with the application and limitations, as well as the potential hazards, of the torch.
- 3 Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- X DO NOT** repair the torch yourself, use an authorised service agent.
- WARNING!** Failure to use the torch correctly may result in fire, damage and/or personal injury.
- WARNING!** Use and handle the butane gas (lighter fuel) in accordance with any instructions supplied with the fuel.
- 3 Butane gas is highly flammable so keep an appropriate fire extinguisher at hand.
- 3 Ensure there are no flammable or combustible materials near the work area.
- 3 Keep the work area clean, uncluttered and ensure there is adequate ventilation and lighting.
- 3 Keep children and unauthorised persons away from the working area.
- 3 Remove ill fitting clothing. Remove ties, watches, rings, and other loose jewellery, and contain and/or tie back long hair.
- 3 Point the torch away from yourself and others when igniting flame.
- 3 Keep hands and body clear of the torch head when operating as it becomes very hot.
- 3 When using the burner holder (fig 3.A), follow operating instructions to produce correct gas flow. **DO NOT** use with the blue flame.
- 3 Secure unstable workpiece with a clamp, vice or other adequate holding device. **DO NOT** hold the workpiece by hand.
- X DO NOT** use the torch in an area where paint fumes, solvents or flammable liquids pose a potential hazard. Keep flammable material away from the torch when operating. Flammable waste, such as wiping or cleaning rags, must be placed in a closed metal container and disposed of correctly.
- X DO NOT** use the torch for any purpose other than for which it is designed.
- X DO NOT** use accessories other than those supplied with, or manufactured specifically for use 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.
- X DO NOT** get the torch wet or attempt to cool the torch with water.
- WARNING!** Always point the torch away from the eyes and body when igniting and during operation. **DO NOT** point the torch at yourself, others, or animals.
- X DO NOT** use the torch for more than 15 minutes at a time as it may overheat. After 15 minutes, allow the torch to cool before re-use.
- X DO NOT** lay the torch on a surface. Use stand supplied.
- X DO NOT** operate the torch when you are tired, under the influence of alcohol, drugs or intoxicating medication.
- X DO NOT** allow untrained persons or children to operate the torch.
- X DO NOT** operate the torch if any parts are damaged or missing as this may cause failure and/or personal injury.
- X DO NOT** touch the workpiece close to the heated area as it will be very hot. Allow to cool.
- X DO NOT** leave the torch operating unattended and **DO NOT** leave the torch, after use, until it has cooled.
- WARNING!** Ensure the Adjustment Knob is firmly closed and the flame completely extinguished after use.
- 3 When work is complete, allow the torch to cool. Clean the torch and accessories and store in a safe, dry, childproof location.
- X DO NOT** store in direct sun light or where the temperature could exceed 104°F / 40°C.
- ▲ DANGER! The flame is invisible in sunlight - be extremely cautious.**

2. INTRODUCTION

The butane gas torch is portable and lightweight, suitable for heating, soldering, shrinking and many other applications. Powered by butane gas (lighter fuel), the torch has a push button start and anti-flare device to enable quick and clean operation.

AK2941 is supplied with Soldering Head and Tip, Sponge and Stand.

AK2953 is supplied with, Hot Air Nozzle, Deflector Nozzle, Soldering Head and Tips, Probe, Hot Knife, Sponge and Stand.

3. PREPARATION

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

NOTE: The torch is supplied without any fuel. The user must fuel the torch 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 gas flow is turned off (fig.1), see on/off indicator.
- 3.1.3. Follow the instructions on the butane fuel container.
- 3.1.4. Apply the container filler tip to the torch base inlet valve (fig.2.1). Use a pumping action for best filling results.
- 3.1.5. The torch will take about 20 seconds to fill. Once full, allow gas in the torch to stand and stabilise for a few minutes before use.

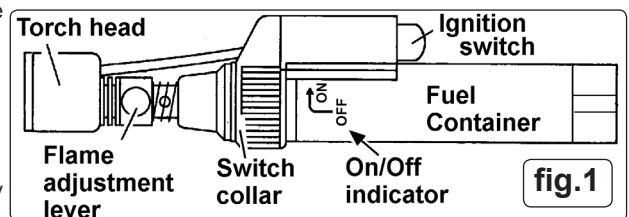
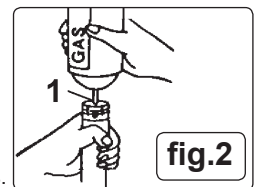
NOTE: Before refilling, ensure that the filler valve and the probe on the can of lighter fluid are clean and free from dirt and debris.

Check that the correct filling adaptor is fitted to the lighter fluid refill can. Ensure that the torch and the can of lighter fluid are at room temperature before commencing refill.

Lighter fluid is highly flammable – refill in a well ventilated place, away from any sources of ignition. Fill in conjunction with the operating and safety instructions found on the can of lighter fluid.

If any spillages occur during the refilling process, allow plenty of time for escaped gas to evaporate before allowing sources of ignition in the vicinity.

Once full, check the torch for leaks by listening for a hissing noise. If the hissing persists, do not ignite and remove the torch to a well ventilated area until the gas has escaped – do not allow any ignition in the vicinity of the tool.



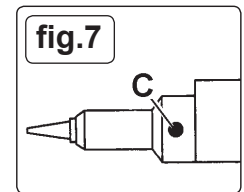
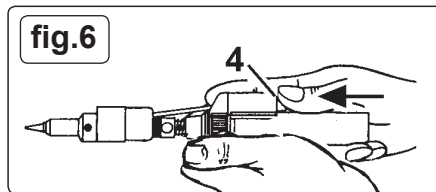
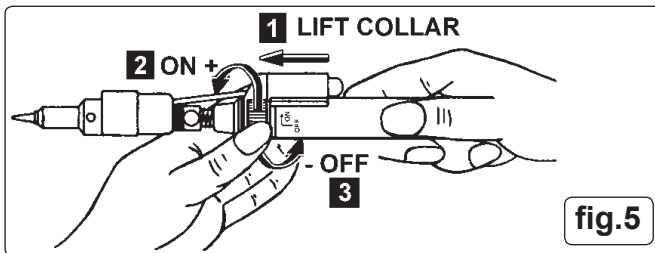
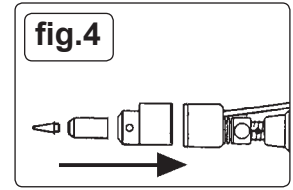
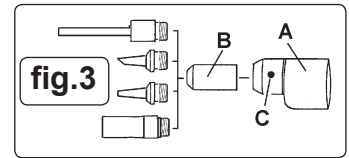
4. OPERATION

4.1. TO USE AS A SOLDERING IRON or POLYFOAM CUTTER.

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

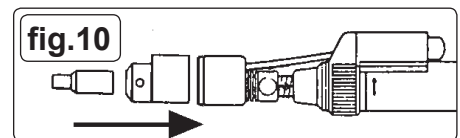
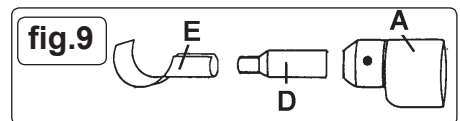
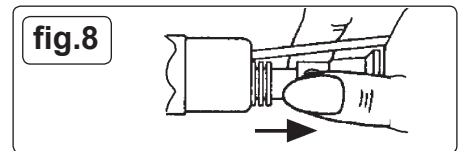
- 4.1.1. Screw the required soldering tip (or cutter) (fig.3) to the threaded burner head (fig 3.B). This head contains a ceramic heating element. Screw the head onto the burner holder (fig 3.A).
- 4.1.2. Push the burner assembly onto the top of the torch as far as it will go (fig.4).
- 4.1.3. To turn on the gas flow prior to ignition, hold the main body of the torch so that the **on/off** symbol is facing you. With the other hand hold the ribbed portion of the red plastic switch collar and lift it (fig 5.1) before turning it in the direction of the "ON" arrow (fig 5.2) until you can hear the gas escaping, **(the red switch collar will not turn until you lift it)**.
- 4.1.4. Press the red ignition button (fig.6.4) to ignite the gas.
- 4.1.5. Allow the blue flame to burn for about 5-10 seconds in order to heat the element in the head. Observe the element through the air hole (fig.7.C) - it should glow red.
- 4.1.6. Take the shuttle lever (fig 8) and pull it back on its spring as far as it will go and release it. This will adjust the air supply to the flame and convert the hot blue flame to a gas jet which will burn on and above the head element. **DO NOT** hold the shuttle lever down as this may extinguish the supply to the element allowing it to cool to a point where it will not ignite the gas when the lever is released.
- CAUTION! DO NOT TOUCH THE SHUTTLE LEVER AGAIN AS IT BECOMES VERY HOT.**
- 4.1.7. Turn the ribbed collar (fig 5.3) to adjust the gas flow to a minimum in order to sustain the ceramic glow.
- 4.1.8. Allow the torch to stand for about 2 minutes in order to achieve maximum output. The torch may now be used as required.

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



4.2. TO USE AS A HOT IRON (for shrink wrapping etc).

- 4.2.1. Screw the hot air burner head (fig 9.D) onto the burner holder (fig 9.A). This head has a non-threaded output end and contains a ceramic heating element in the base.
- 4.2.2. Push the burner assembly onto the top of the torch as far as it will go (fig 10).
- 4.2.3. Fit the scoop (fig 9.E) if required.
- 4.2.4. For ignition follow steps 3.2.3. to 3.2.8. above. The torch is now ready for use as a heat source for shrink wrapping etc.



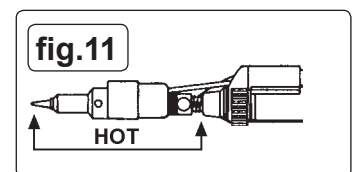
4.3. TO USE AS A BURNER (with naked blue flame for burning or heating).

- 4.3.1. Remove the burner holder (fig 9.A). No cover is required for this mode.
- 4.3.2. Ignite the torch as in 3.2.3. to 3.2.5. above.
- 4.3.3. Adjust the flame length by turning the ribbed switch collar.
- 4.3.4. Apply flame to task. Only use the minimum flame required for the job. A large flame is less stable and wastes fuel.

4.4. TURNING THE TORCH OFF.

When the job is complete, turn the red switch collar away from the "ON" symbol arrow towards the "OFF" symbol (fig 5.3). When the switch collar reaches the "OFF" position, the collar will drop down by 1mm and lock. (When you next come to use the torch, remember to lift the switch collar before attempting to turn it.)

WARNING! The torch head is very hot above the ribbed switch collar (fig.11), allow it to cool before handling.



4.5. GENERAL INFORMATION.

When adjusting the flame or switching ON or OFF always hold the the ribbed portion of the switch collar only.

Do not attempt to adjust the torch by turning the torch head.

The torch should not be used continuously for more than 15 minutes at a time. After 15 minutes allow the torch to cool then continue with the task for a maximum of another 15 minutes. Keep the torch clean and store safely. For spare soldering tips and parts contact your local Sealey dealer.

4.6. TROUBLE SHOOTING.

Torch will not ignite.	No fuel. To high or low gas pressure. Air holes blocked. Damaged torch.	Refill with butane gas. Adjust the gas open/close valve. Check that all holes are clear. Contact service agent.
Tip does not heat up.	The flame continues to burn.	Push the shutter lever down once again and hold for 2-3 seconds.
Hot blue flame does not convert when shuttle used.	The ceramic tip is worn or damaged. Poor gas pressure.	Change the tip. Re-fill with gas.

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 latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.



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