



3-IN-1 BUTANE SOLDERING IRON KIT, QUICK RELEASE

MODEL NO: **AK2976**

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
instructions



Wear eye
protection



Wear protective
gloves



Hot surfaces

1. SAFETY

- ▲ **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, make sure you know where the nearest fire extinguisher is.
- **WARNING!** This appliance shall only be used with the butane refill canister or butane-propane mixture gas refill canister that complies with EN417 standard. It may be hazardous to attempt to fit other types of gas cartridges or gas cylinders.
- ✓ This appliance may be filled with any canisters marked 'Butane' complying with EN417.
- **WARNING!** Always wear approved eye/ face protection when operating the torch.
- **WARNING! DO NOT** use the torch if you notice that it is damaged or if there could be a gas leak from it. If leaking, remove the torch to a well ventilated open area and cover with a damp cloth.
- **WARNING!** Butane gas is extremely flammable, handle with care.
- **WARNING!** Always point the torch away from the eyes and body when igniting and during operation.
- **WARNING! DO NOT** put the torch down when it is lit, **DO NOT** leave it unattended.
- **WARNING!** The flame is not easily visible in bright daylight.
- **WARNING!** Ensure the flame is completely extinguished after use. **DO NOT** use water to cool the torch down.
- **WARNING!** Only use in a well ventilated area.
- **WARNING!** Assembly and adjustment made in the factory shall not be modified. It can be dangerous to try to modify the adjustment or the construction of the appliance, to dismantle some parts or to use components other than those recommended."
- × **DO NOT** use the 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** operate the torch when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- × **DO NOT** hold any workpiece by hand.
- × **DO NOT** use grease or oil with parts in contact with oxygen."
- × **DO NOT** attempt to touch the workpiece close to the heated area as it will be very hot. Allow to cool.
- × **DO NOT** operate the torch if it is damaged as this may cause failure and/or possible personal injury.
- × **DO NOT** use the appliance if it has worn seals.
- × **DO NOT** touch the top of the torch during or immediately after use, as it will be very hot. Allow to cool.
- × **DO NOT** allow children to operate the torch. Keep unit out of reach of children.
- ✓ After use, allow the torch to cool before storing it.
- ✓ When not in use, store away from direct sunlight in a safe, dry, childproof location.
- × **DO NOT** store at over 40°C, such as in a car in hot weather.
- × **DO NOT** modify the appliance.
- ✓ When filled, it will contain flammable gas under pressure.
- × **DO NOT** puncture or put in fire.
- ✓ Make sure the fire is off before refilling.
- × **DO NOT** keep lit for more than 5 minutes.
- NOTE: 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
- ✓ Allow the micro torch to cool down before storage. Store the appliance in a well ventilated and dry area and ensure the flame is out after the operation.
- ✓ Use only Sealey original spare parts.
- × **DO NOT** use torch as a cigarette lighter.
- ✓ Be extra careful when using the torch outdoors on sunny or windy days. Wind may carry the torch's heat back toward you or other areas which are not intended to be heated.
- ✓ 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.
- ✓ The appliance shall be operated on a horizontal surface"
- ✓ Always check to make sure no unintended parts or materials are being heated.
- × Operate at least 500mm away from any adjacent surfaces i.e. walls / ceiling.
- ✓ Whenever there is a possibility that unintended material has been heated, wait at least two hours before leaving the area.

- ✗ **DO NOT** inhale soldering fumes.
- ✓ Follow refilling procedure to avoid serious accidents.
- ✓ Wear non-greased clothes
- ✗ **DO NOT** work in an enclosed space; maintain good ventilation. Operate at least 500mm away from any adjacent surfaces.

2. INTRODUCTION

High quality, lightweight 3-in-1 torch kit, suitable for heating, shrinking and soldering jobs. Powered by butane (lighter fuel) and features a piezoelectric ignition switch with safety lock. Quick release system with interchangeable nozzles. 45-60Min runtime with 25ml fuel capacity. Viewing window at bottom of device to monitor fuel. Includes integral stand with magnet. Contents; Soldering Iron, Pointed Tip, Chisel Tip, Anvil Tip, Knife Tip, Heat Deflector, Needle Tip, Lead Free Solder, Cleaning Sponge and Open Flame Tip. Flame temperature 1300°C, soldering temperature 450°C and hot air temperature of 600°C (approximately). Heat resistant safety cap can be utilised with the storage case to enable use as a temporary soldering stand. Torch and accessories supplied in multifunctional compact storage case.

3. SPECIFICATION

Model No.: AK2976
Nett Weight: 0.32kg
Temperature Range: 450 - 1300°C

4. CONTENTS

Fig. 1 Key	
1	Butane refill valve
2	Gas window
3	Flame adjustment lever
4	Piezo ignition trigger
5	Safety lock switch
6	Quick release collar
7	Exhaust vent
8	Soldering base
9	Soldering tip
10	Magnetic stand release clip
11	Magnetic stand
12	Continuous flame switch
13	Quick release switch

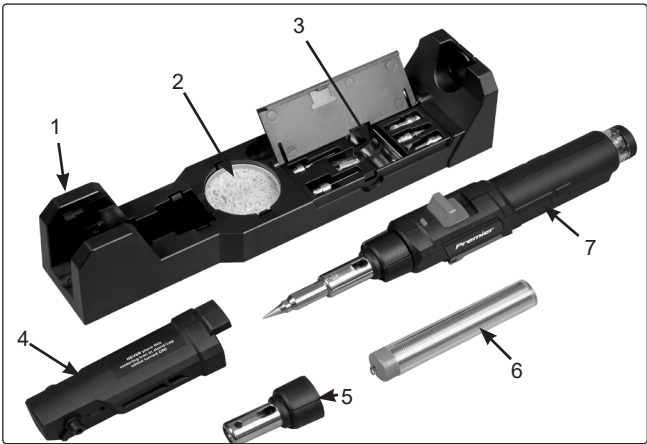
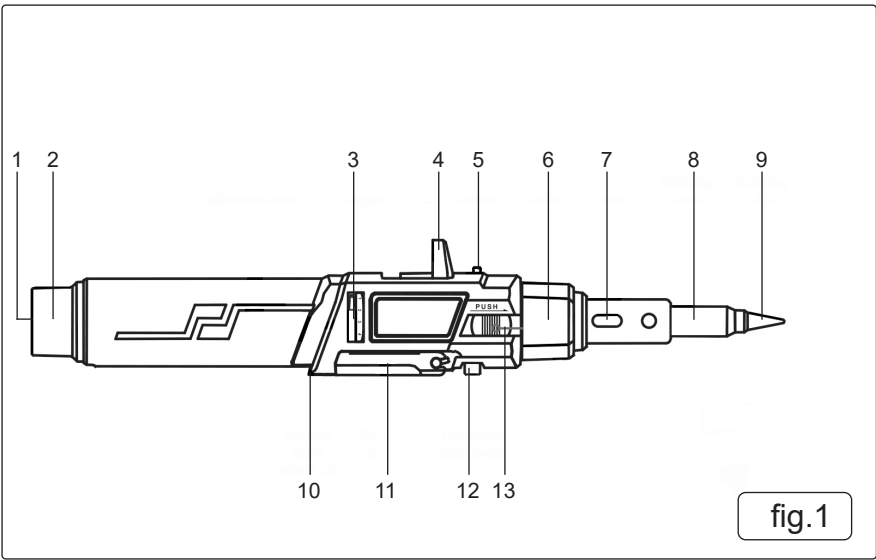


fig.2

Fig.2 Key	
1	Storage case
2	Sponge for cleaning
3	Soldering tips
4	Vented cap
5	Open flame tip
6	Lead free solder
7	Soldering gun

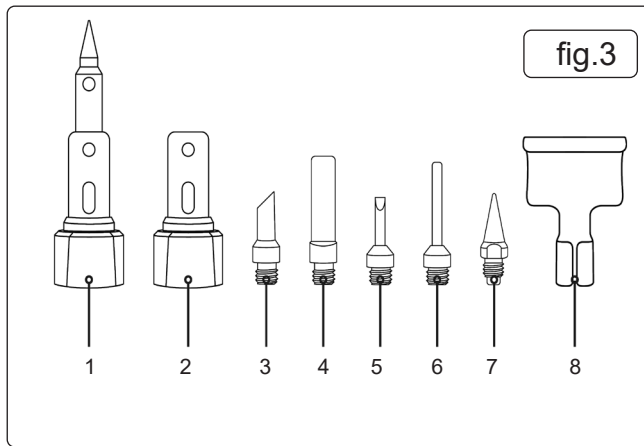


Fig.3 Key	
1	Soldering Attachment
2	Blow Torch Assembly
3	Flat Tip
4	Knife Tip
5	Chisel Tip
6	Polyfoam Cutter Tip
7	Conical Tip
8	Heat Shrink Attachment

5. OPERATION

5.1. FILLING WITH GAS

NOTE: Ensure that you have read and understood the Safety section before filling / re-filling the torch.

- 5.1.1. Fill only with butane gas. It may be hazardous to attempt to fit other types of gas.
- 5.1.2. Refill in a well-ventilated area, away from flame, combustible materials and another person.
- 5.1.3. Please make sure the fire is off before refilling.
- 5.1.4. Placing the soldering iron in an upside-down position, Insert the gas canister into the torch refilling valve.
- 5.1.5. Fill slowly. **DO NOT** overfill. When gas start to flow out, stop filling
- 5.1.6. After filling, wipe lighter and hands dry before Igniting.
- 5.1.7. The refilling operation takes some minutes to allow the gas to stabilize.
- 5.1.8. For next refilling, let the torch cool down for 5 minutes before filling the tank.
- 5.1.9. Nominal rate of use/refill is 30g/h
- 5.1.10. Approximate run time 45 mins.
- 5.1.11. 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.

5.2. SOLDERING IRON IGNITION

- 5.2.1. Make sure the exhaust vent (fig.1.7) is facing upwards to avoid damaging the tabletop.
- 5.2.2. Press the safety lock switch (fig.1.5) and simultaneously use your thumb pull down the ignition trigger (fig.1.4). This action will ignite the soldering iron.
- 5.2.3. Hold the ignition button and release the safety lock switch (fig.1.5). Press the continuous flame switch (fig.1.12) for continuous use.

5.3. FLAME ADJUSTMENT

- 5.3.1. Move the adjustment lever (fig.1.3) toward right side to increase the flame strength or toward left to decrease the flame strength.
- 5.3.2. When the flame is at "+" position, the longer flames may cause the torch to flare or extinguish. In this situation, please adjust the gas adjustment lever to "-" side to decrease the flame strength and set up a most efficient flame.
- * **DO NOT** put an ignited blowpipe down.
- 5.3.3. Flaring may occur during warm-up if the torch is over-filled or moved abruptly.

5.4. EXTINGUISHING

- 5.4.1. Press the trigger again, this will cut off the gas supply and extinguish the flame.

5.5. REMOVING THE TIP

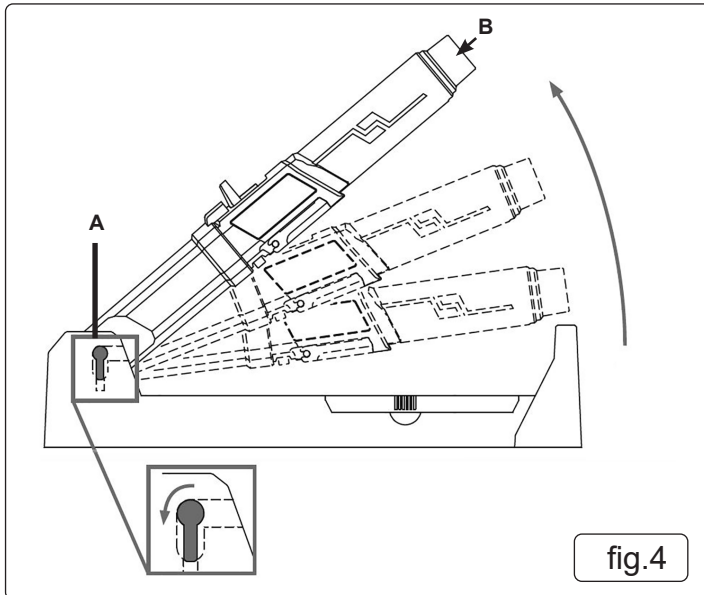
- ☐ **WARNING!** Ensure the iron has cooled down before removing the tip.
- 5.5.1. Slide the quick release collar (fig.1.6) toward tip to release.

5.6. REPLACEMENT OR INSTALLATION OF INSERTS

- ☐ **WARNING!** Always leave to cool completely before attempting to remove or replace the inserts.
- 5.6.1. Be sure to use the insert right for the job you want.
 - 5.6.2. Use only the inserts that fit perfectly on the tool (either threaded or slip-on). The inserts that **DO NOT** fit perfectly can result in uncontrolled and dangerous flame. Remove the tip by sliding Quick Release switch (fig.1.13). Remove the tip and install the desired one.
 - 5.6.3. Tighten the inserts securely. For the complete heating of the inserts it is necessary to wait for 25 seconds.

5.7. STORAGE CASE AND STAND

- ❑ **WARNING!** Ensure the iron and all accessories are cool before stand. When using the stand, ensure the iron has been turned off.
- 5.7.1. To set up the storage case as a stand, lift the soldering iron from the bottom end in an upwards direction (fig.4) to approximately 45°.
- 5.7.2. When the soldering iron is at approximately 45° the soldering iron will locate into a groove in the stand (fig.4.A). Press the cap in a downward direction (fig.4.B) to locate and secure the soldering iron.
- 5.7.3. Once at the top of the groove, rotate and lower the cap and soldering iron back to the horizontal position.
- 5.7.4. The soldering iron is now secure and back in its original storage position.



6. MAINTENANCE

6.1. REFILL

- 6.1.1. This appliance shall only be used with the butane refill canister or butane-propane mixture gas refill canister that complies with EN417 standard. It may be hazardous to attempt to fit other types of gas cartridges or gas cylinders.
- 6.1.2. Fill only with butane gas. It may be hazardous to attempt to fit other types of gas.
- 6.1.3. Refill in a well-ventilated area, away from flame, combustible materials and another person.
- 6.1.4. Please make sure the unit is off before refilling.
- 6.1.5. Placing the soldering iron in an upside-down position, Insert the gas canister into the torch refilling valve.
- 6.1.6. Fill slowly. **DO NOT** overfill. When gas starts to overflow stop filling
- 6.1.7. After filling, wipe lighter and hands dry before igniting.
- 6.1.8. The refilling operation takes some minutes to allow the gas to stabilize.
- 6.1.9. For next refilling, let the torch cool down for 5 Minutes before filling the tank.
- 6.1.10. Refillable containers shall only be refilled by the supplier; refilling by another method may lead to serious accidents.

6.2. CLEANING

- 6.2.1. Turn off the soldering iron and let it cool completely before cleaning.
- 6.2.2. The outside unit can be cleaned with a damp cloth with a little mild detergent. **DO NOT** use solvents.
- 6.2.3. Clean the attachments while still warm with a damp cloth with a little mild detergent. **DO NOT** use solvents.

6.3. STORAGE

- 6.3.1. **DO NOT** store at ambient temperatures greater than 50°C.
- 6.3.2. Store in dry environment.



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



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