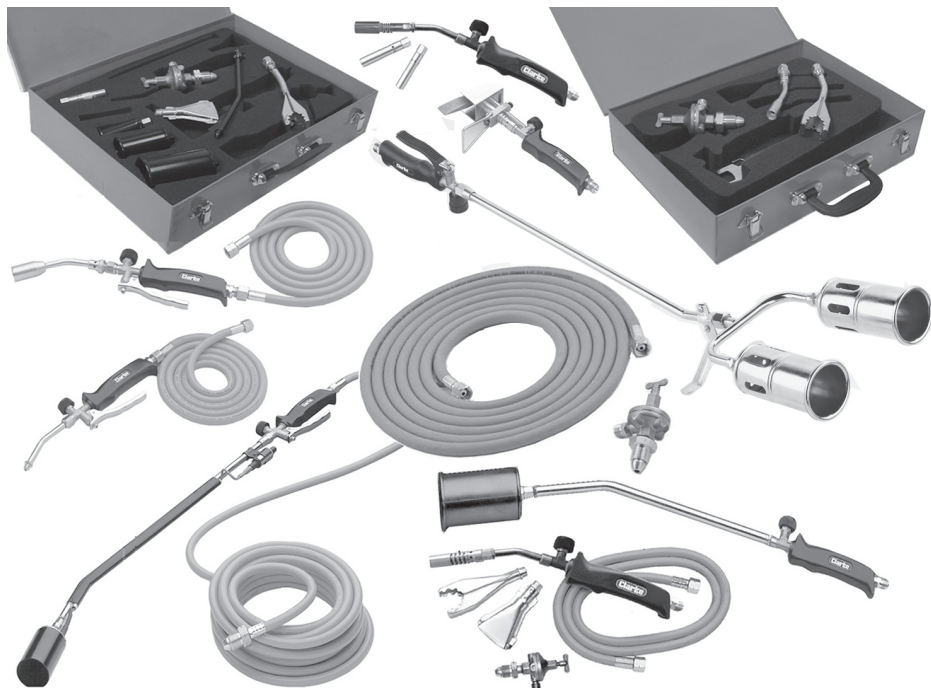


Clarifire®



HEATING TORCH SETS

Models; PC108, PC109, PCSF109, PC216, PKP411,
PS555, PS560 & PLK1074

Part Nos: 3404115, 3404100, 3404105, 3404110, 3404125, 3404000,
3404005 & 3404135

OPERATING & SAFETY INSTRUCTIONS



INTRODUCTION

Thank you for purchasing this CLARKE Heating Torch Set, designed for trade use. They are all to be used only with propane gas and are supplied with a standard 3/8" BSP (LH) hose.

Before attempting to use the product, it is essential that you read this manual thoroughly and carefully follow all instructions given. In doing so you will ensure the safety of yourself and that of others around you, and you can also look forward to the product giving you long and satisfactory service.

GUARANTEE

This CLARKE product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for its intended purpose.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

SAFETY PRECAUTIONS

1. ALWAYS follow all precautions regarding the use of Propane gas cylinders. (see manufacturers/suppliers instructions)
2. Ensure the gas hose is in perfect condition before use. If in doubt, have it replaced.
3. Ensure all connections are fully secure before use.
4. Never transport the gas bottle by holding the regulator or gas hose.
5. NEVER point the torch at any person or animal.
6. Take great care when placing the torch down. Do not allow it to come into contact with flammable surfaces, or any surface which could be damaged by heat. Use the stand supplied with the PLK1074 to support the nozzles clear of any supporting surface.
7. Never use the torch in an explosive atmosphere, or where there is danger of fire.
8. IMPORTANT! If used indoors, ensure there is adequate ventilation.

Please keep these instructions in a safe place for future reference.

ASSEMBLY

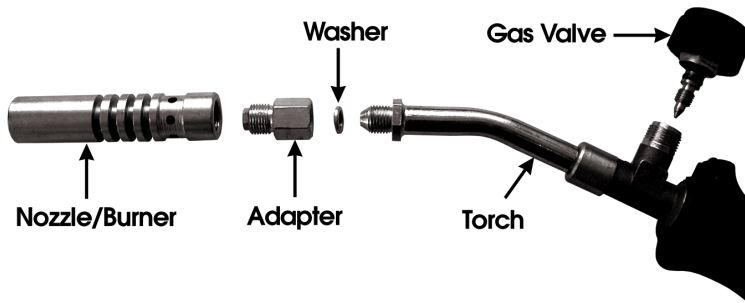
NOTE: A bottle of propane gas is required for use with this equipment, capable of delivering a pressure of 4 bar. (A regulator is provided)

1. Turn the knob on the regulator fully clockwise, then attach the regulator to the gas bottle, ensuring it is tight.
2. Attach the hose supplied, to the regulator at one end, and the torch at the other, noting that the hose connections have LEFT HAND THREADS, i.e. turn them anticlockwise.
3. Attach the appropriate nozzle/burner to the torch where necessary.

If a nozzle/burner is already attached, remove it carefully, complete with adapter (see illustration below). Unscrew the nozzle from the adapter and replace with that of the desired type or size. Screw the adapter with nozzle back on to the torch.

Note:

1. **Model PKP411 requires the torch extension to be attached to the torch.**



OPERATION

With the hose and regulator attached, and ensuring the gas tap on the torch is closed, i.e. turned fully clockwise, open the gas regulator valve.

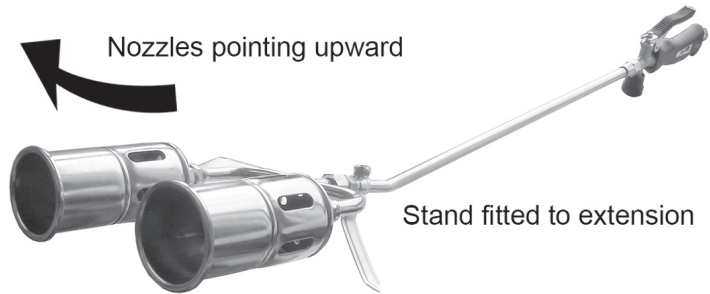
Gas will now be available at the torch, the volume of which will depend upon the regulator valve opening.

Very gently, open the gas valve on the torch, ensuring the nozzle/burner is pointing well away from people or property, and apply a flame to the end of the burner. Model PKP411 is equipped with a piezo electric starter on the torch extension. Press the button until ignition occurs. Adjust the gas valve until the desired flame is achieved.

Some models have a control lever attached to the torch. This is used to further regulate the gas flow and hence the intensity of the flame. When the lever is released the flame will reduce to a pilot light.

In the case of the PC109 kit, the flame can also be adjusted by positioning the clip-on sleeve provided, over the air holes in the circumference of the 17mm screw-tipped nozzle.

Models PC216, PKP411 and PLK1074 have a support arm which can be clamped to the nozzle extension to steady the unit at rest. This should be fitted to ensure the flame points upwards, away from any supporting surface.



MAINTENANCE

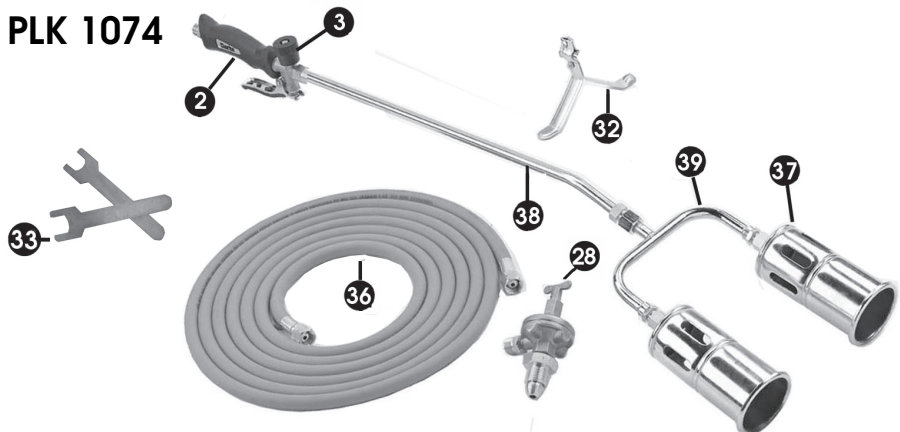
The torches are maintenance free, except for visual checks before use to ensure all connections are secure, and the gas hose is in perfect condition. If the nozzle becomes sooted, clean with a soft wire brush. DO NOT poke wire etc, through the holes in the nozzle.

To remove the filter from the nozzle for cleaning, grasp the nozzle with a pair of mole grips or very carefully secure in a vice, then unscrew the filter.

The parts on the following pages are all available from your CLARKE dealer.

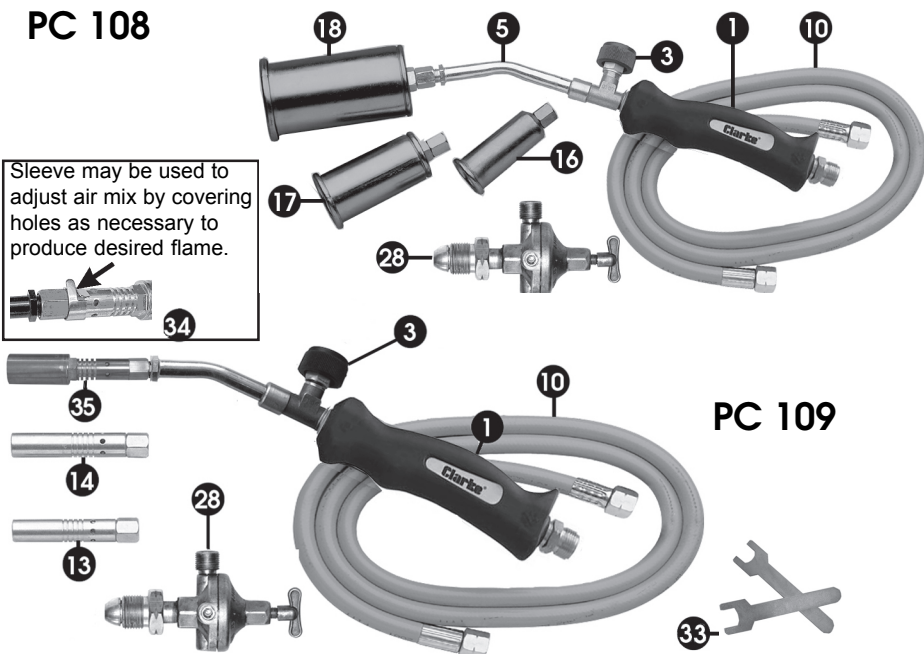
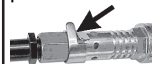
COMPONENT PARTS

PLK 1074

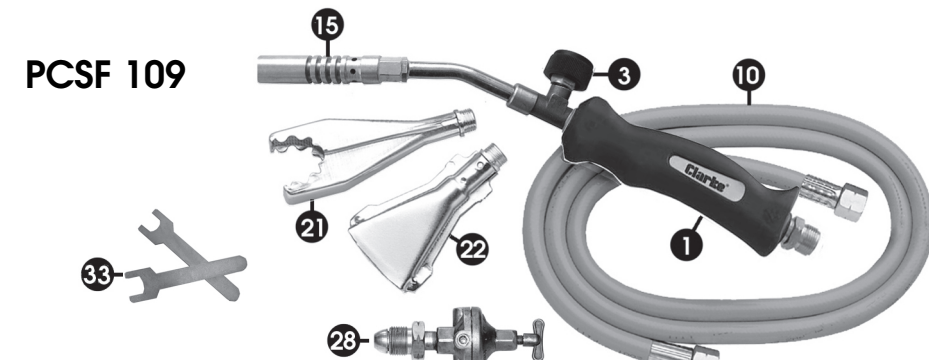


PC 108

Sleeve may be used to adjust air mix by covering holes as necessary to produce desired flame.



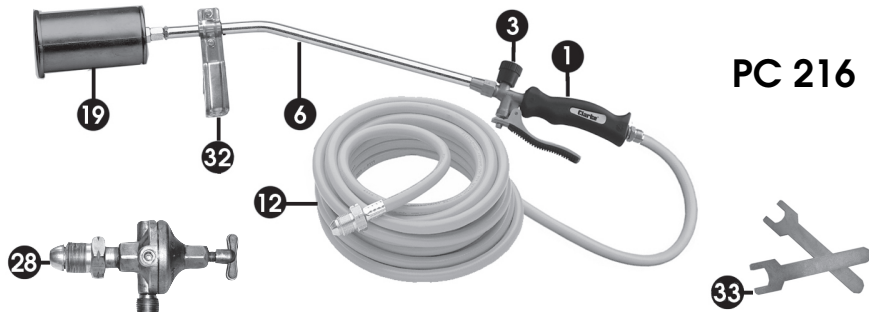
PC 109



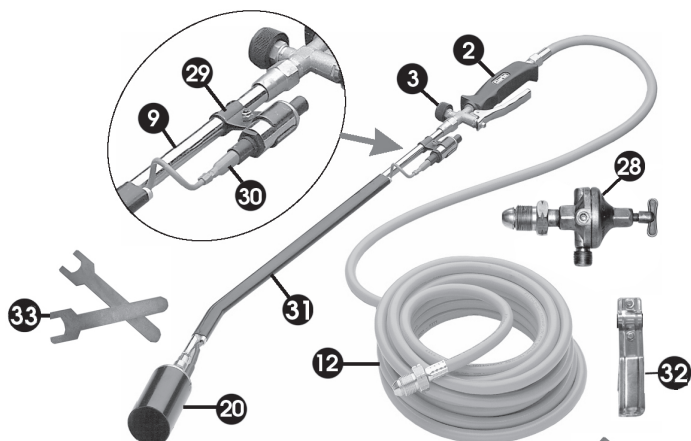
PCSF 109



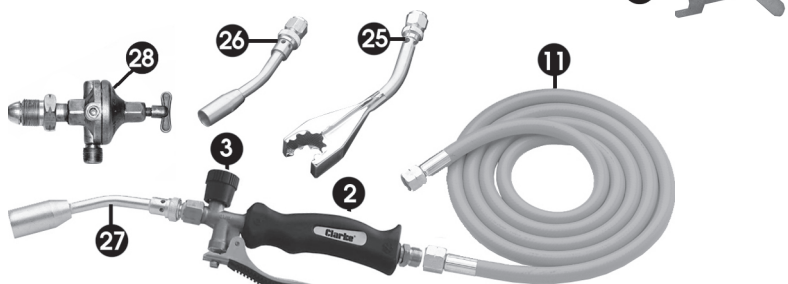
PC 216



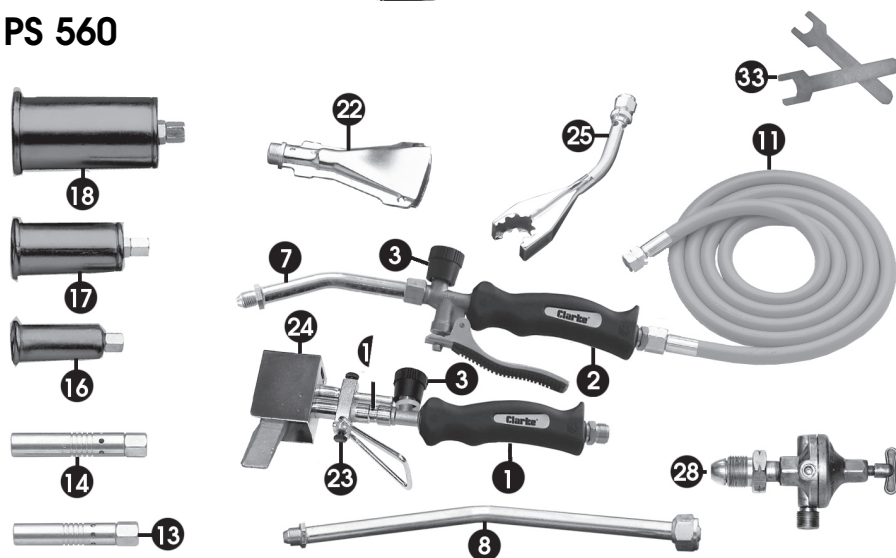
PKP 411



PS 555



PS 560



SPARE PARTS LIST

Ref	Description	Part No	Ref	Description	Part No
1	Handle Assembly	IDFC10901	21	Pipe Burner	IDFCSF10921
2	Handle/Trigger Assy	IDFK41102	22	Flat Burner	IDFCSF10922
3	Control Knob Assy	IDFC10903	23	Soldering Iron Adaptor	IDFK10123
4	Extension 80 mm	IDFC10904	24	Soldering Iron	IDFK10124
5	Extension 110 mm	IDFC10805	25	Pipe Burner with extn	IDFS55525
6	Extension 350 mm	IDFC21606	26	Nozzle 14mm with extn	IDFS55526
7	Extension 10 mm (kit)	IDFS56007	27	Nozzle 22mm with extn	IDFS55527
8	Extension 260 mm (kit)	IDFS56008	28	Gas Regulator (new style*)	IDFS55528 *
9	Extension 600 mm (P)	IDFKP41109	29	Clamp	IDFKP41129
10	Hose 1500 mm	IDFC10910	30	Piezo Igniter (inc cable)	IDFKP41130
11	Hose 2000 mm	IDFS55511	31	Extension Cover	IDFKP41131
12	Hose 10,000 mm	IDFC21612	32	Support Stand	IDFK41132
13	Nozzle 9 mm	IDFC10913	33	Open Wrench	IDFK41133
14	Nozzle 12 mm	IDFC10914	34	Metal sleeve to fit 17 mm screw-tip nozzle item 35	IDFC10934
15	Nozzle 15 mm	IDFC10915	35	17mm Screw Tip Nozzle	IDFC10935
16	Nozzle 25 mm	IDFC10816	36	Hose 5000 mm	IDFPLK107436
17	Nozzle 34 mm	IDFC10817	37	Twin 60mm Burner	IDFPLK107437
18	Nozzle 48 mm	IDFC10818	38	Extension 500mm	IDFPLK107438
19	Nozzle 58 mm	IDFC21619	39	Fork Section	IDFPLK107439
20	Nozzle Turbo 60 mm	IDFKP41120			

ENVIRONMENTAL PROTECTION



Do not dispose of this product or its packaging with general household waste. All tools, accessories and packaging contain valuable raw materials and should be sorted, taken to a recycling centre and disposed of appropriately.

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