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For spare parts and servicing, please contact your nearest dealer, or Clarke International on

020 - 8988 - 7400

e-mail: Parts@clarkeinternational.com e-mail: Service@clarkeinternational.com

Clarke[®]



05/00

Instructions for Use

Soldering Gun Kit

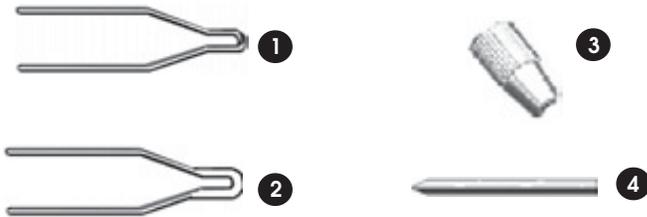
Model CSK100

Part Number: 3400760



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Spare Parts



	Description	Part No.
1	Soldering Gun Tip A	HTCTSK10001
2	Soldering Gun Tip B	HTCTSK10021
3	Fixing Nut	HTCTSK10002
4	Soldering Iron Tip	HTCTSK10023

Parts and Service

For Spare Parts and Servicing, please contact your local dealer, or Clarke International on one of the following Numbers:

Parts and Service Tel: 020 89887400

Parts and Service Fax: 020 85583622

or email as follows:

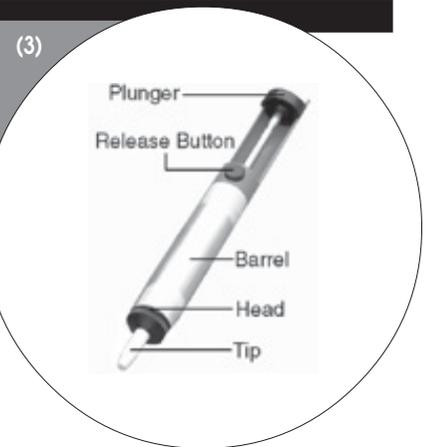
Parts: Parts@clarkeinternational.com

Service: Service@clarkeinternational.com

The Solder Sucker

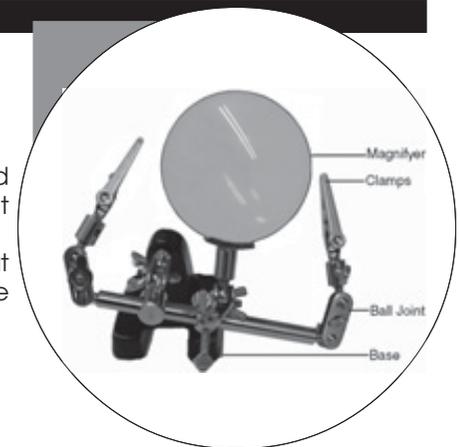
The Solder Sucker is used to remove unwanted solder from a joint. The Sucker is spring loaded and is used as follows.

- Push the Plunger down until it clicks.
- Position the tip about 3mm away from the solder to be removed.
- Apply Heat with the Iron or Gun.
- When the solder is melted press the Release button. This releases the plunger and sucks the solder into the tip.
- Dispel the unwanted solder by reloading the plunger. This will eject the solder from the tip.



The Hands Free Magnifier

The Hands Free Magnifier is designed to hold awkward small components together so that the solder can be applied. The Magnifier has adjustable ball joints so that the clamps and the magnifying lens can be set in position as required.



When you have finished soldering it is recommended that you clean the Soldering Tip. This is done by dabbing a small amount of clean solder on the tip, and then wiping it off with a wet Sponge or Cloth. This will remove any burnt flux and leave a small coating of clean solder on the tip.

Note : Take care when cleaning the Tip. It is recommended that you place the wet Sponge or Cloth on the work surface and drag the tip over it. Do not apply by hand to the tip as this could result in burning of the skin.

Using the Soldering Kit

Note : The Soldering Tip and the Solder Metal get very hot while soldering. The Soldering Flux, if over heated could bubble up and “spit” so it is important to follow the Safety precautions stated.

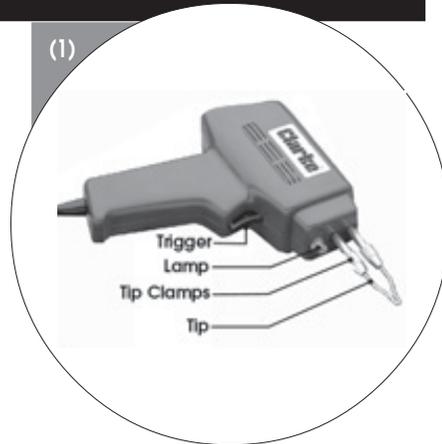
The Soldering Gun

To operate the Soldering Gun, plug it into the power supply and pull the trigger when heat is required.

The Tip will heat up as soon as the Trigger is pulled. The Lamp will also illuminate when the trigger is pulled to improve visibility.

The gun must be placed on a stable surface, away from any materials that can be damaged by heat between soldering.

The Tip can be replaced by undoing the Tip Clamps and sliding out the worn tip. Replace with a new tip. (see Spares for details).



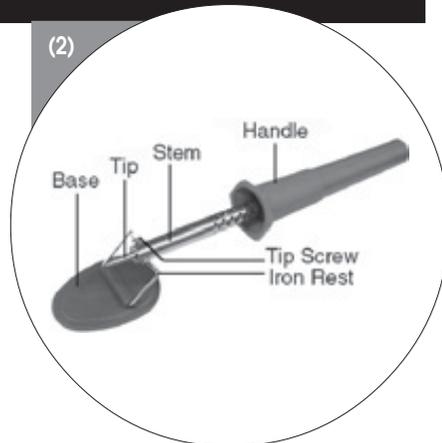
The Soldering Iron

To operate the Soldering Iron, place it on the rest provided on a stable surface, plug it into the power supply and allow it to heat up for a few minutes.

To test that it has reached working temperature dab solder on the tip. If the solder melts then it is ready for use.

Between soldering always place the Iron on the rest to ensure that it does not come into contact with anything that could burn.

If the Tip becomes worn then it can be replaced by undoing the tip screw and removing the worn tip. Replace with a new Tip. (see Spares for details).



WARNING ! The Soldering Tip will get extremely hot and remain hot after the power has been switched off for a period of time. When cooling down the equipment should be placed on a stable surface with the tip away from any flammable materials or materials that can be damaged by heat.

Thank you for purchasing this Clarke Soldering Gun Kit. Before using please read these instructions. This is for your own safety and that of others around you, and to help you achieve long and trouble free service from the Kit.

Guarantee

This product is guaranteed against faults in manufacture for 12 months from purchase date. Keep your receipt as proof of purchase. This guarantee is invalid if the product has been abused or tampered with in any way, or not used for the purpose for which it is intended. The reason for return must be clearly stated. This guarantee does not affect your statutory rights.

Features and Use

This Multipurpose kit is ideal for soldering Electronic Circuits, Models, Jewellery and Handicrafts etc. The Kit contains an Instant Heat Gun and a Soldering Iron together with a range of accessories to simplify your soldering operations. The Kit is supplied with a plastic case for convenient storage.

For Your Own Safety



WARNING! Read these safety instructions before using the equipment.

- Be aware that the Soldering Tips of the Gun and Iron get extremely hot and remain hot for a period of time after the power has been switched off. When the Iron is not in use or is cooling down, it should be rested on the stand provided, on a stable surface. When the gun is not in use, or is cooling down it should be laid flat on a stable surface with the tip away from any flammable materials or other potential hazard.
- Before applying heat to any surface, ensure that there are no flammable materials, or any materials that can be damaged by heat in the vicinity.
- When soldering always ensure that there is adequate ventilation, as solder and fluxes give off toxic fumes which could be dangerous.
- When soldering electric circuits ensure that the power is disconnected before commencing work.
- If you are cutting plastics with the kit, ensure that the area is well ventilated as plastic fumes can be toxic.



Keep Children away. Keep children away when using Heat appliances.



Eye Protection manufactured to the current European Safety Standard should be worn as there is potential for Fluxes to “Spit” when heated.

Electrical Connections

A Soldering Iron (Earthed Electrical Appliance)

⚠ WARNING! This Appliance must be Earthed

Connect the mains lead to a standard 230V (50Hz) electrical supply through an approved 13 Amp BS1363 plug, or a suitably fused isolator switch

IMPORTANT : The wires in the mains lead are coloured in accordance with the following code:

Green & Yellow	-	Earth
Blue	-	Neutral
Brown	-	Live

As the colours of the flexible cord of this appliance may not correspond with the coloured markings identifying terminals in your plug proceed as follows:

- Connect **GREEN & YELLOW** coloured cord to plug terminal marked with a letter E or Earth symbol "⏚" or coloured GREEN or GREEN & YELLOW.
- Connect **BROWN** cord to terminal marked with a letter L or coloured RED
- Connect **BLUE** cord to terminal marked with a letter N or coloured BLACK

B Soldering Gun (Double Insulated Electrical Appliance)

Connect the mains lead to a standard 230V (50Hz) electrical supply through an approved 13 Amp BS1363 plug, or a suitably fused isolator switch

IMPORTANT : The wires in the mains lead are coloured in accordance with the following code:

Blue	-	Neutral
Brown	-	Live

As the colours of the flexible cord of this appliance may not correspond with the coloured markings identifying terminals in your plug proceed as follows:

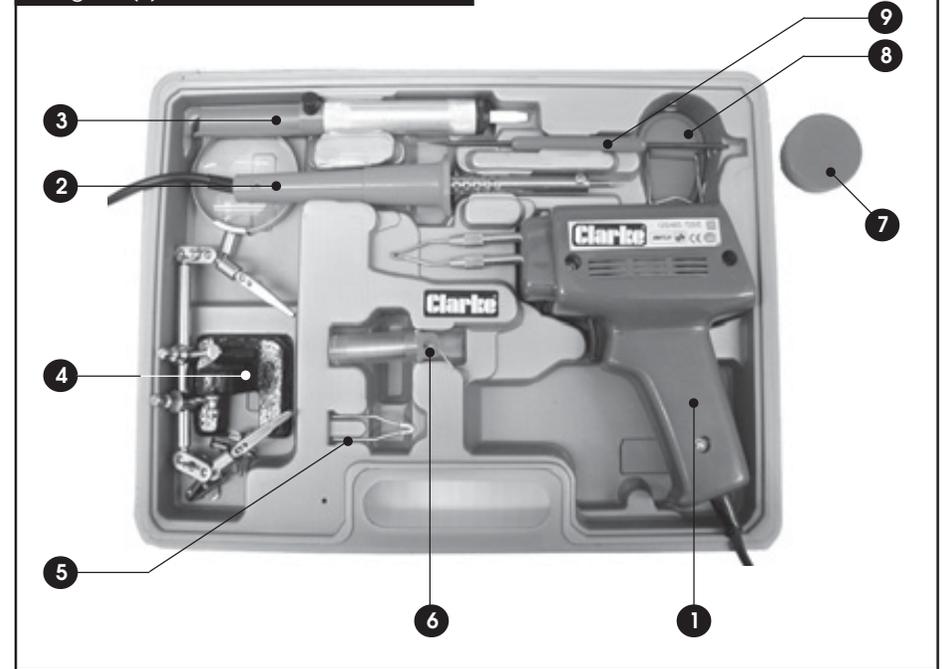
- Connect **BROWN** cord to plug terminal marked with a letter L or coloured RED
- Connect **BLUE** cord to plug terminal marked with a letter N or coloured Black

IMPORTANT: If either appliance is fitted with a plug which is moulded on to the electric cable (i.e. non- re-wireable) please note:

1. The plug must be thrown away if it is cut from the electric cable. There is a danger of electric shock if it is subsequently inserted into a socket outlet.
2. Never use the plug without the fuse cover fitted.
3. Should you wish to replace a detachable fuse carrier, ensure that the correct replacement is used (as indicated by marking or colour code).
4. Replacement fuse covers can be obtained from your local dealer or most electrical stockists.
5. The fuse in the plug must be replaced with one of the same rating (**5 amps**) and this replacement must be ASTA approved to BS1362.

IMPORTANT: If in any doubt, do not attempt any electrical repair yourself. Consult a qualified technician

Figure (1) The Contents of the Kit



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|----------|------------------------|----------|----------------------|
| 1 | Soldering Gun | 6 | Solder Reel |
| 2 | Soldering Iron | 7 | Flux |
| 3 | Solder Sucker | 8 | Soldering Iron Rest |
| 4 | Hands Free Magnifier | 9 | Scraper / Probe Tool |
| 5 | Soldering Gun Flat Tip | | |

Overview of your Soldering Kit

The Kit comprises of two soldering Devices :

The Soldering Gun (1). When the Trigger is depressed, a light bulb illuminates the tip which quickly heats up to its operating temperature. The Gun is intended for heavy duty use, for such work as soldering jewellery or joints on models etc. It can also be used for cutting thin plastics.

The Soldering Iron (2), heats up once plugged in, and is intended for light or precision work on electronic circuit boards etc. A Rest (8) is provided so that the Iron can be safely located whilst not in use.

A set of **Accessories** is included to aid you when soldering. The set comprises a reel of Solder (6), a tub of Flux (7), a Solder Sucker (3) a Probe Tool (9) to help remove unwanted solder, a hands free Magnifier (4) to aid in holding the work whilst soldering, a replacement, Flat Tip (5) and a soldering iron Rest (8).