

Clarke®



MULTI FUNCTION TOOL KIT

MODEL NO: CMFT250

PART NO: 6462200

OPERATION & MAINTENANCE INSTRUCTIONS

UK
A | CE



ORIGINAL INSTRUCTIONS

DL0423- Rev 4

INTRODUCTION

Thank you for purchasing this CLARKE Multi function Tool Kit.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

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

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required 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 the purpose for which it was intended.

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.

ENVIRONMENTAL RECYCLING POLICY



Through purchase of this product, the customer is taking on the obligation to deal with the WEEE in accordance with the WEEE regulations in relation to the treatment, recycling & recovery and environmentally sound disposal of the WEEE.

In effect, this means that this product must not be disposed of with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

If disposing of this product or any damaged components, do not dispose of with general waste. This product contains valuable raw materials. Metal products should be taken to your local civic amenity site for recycling of metal products.

SPECIFICATIONS

Model Number	CMFT250
Length of stroke	3.8mm
Strokes/minute	15000 - 21000
Orbit angle	3.2 degrees
Product weight	2.68 kg
Dimensions (D x W x H)	333 x 196 x 102mm
Operating voltage & frequency	230 V~ 50 Hz
Electrical insulation class	Class II
Fuse rating	5 amps
Rated input power	250W
Vibration (sanding)	Less than 3.332m/s ²
Sound pressure level	82.4 dB LpA
Sound power	93.4 dB LWA
Accessories	
Sanding pad	
Backing pad type	Polymer with hook & loop system
Dimensions	91 x 91 x 91mm
Scraper blade	
Dimensions	73 (total) x 50 (edge) x 0.95mm
Straight cutting blade	
Dimensions	90 x 32 x 0.6mm
Number of teeth	23
Semi circular cutting blade	
Diameter & thickness	87 x 0.65mm
Number of teeth	120

Please note that the details and specifications contained herein, are correct at the time of going to print. However, CLARKE International reserve the right to change specifications at any time without prior notice

SAFETY WARNINGS

WORK AREA

1. **Keep the work area clean and well lit.** Cluttered and dark areas invite accidents.
2. **DO NOT operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

1. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce the risk of electric shock.
2. **DO NOT expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
3. **DO NOT abuse the power cable. NEVER use it for carrying, pulling or unplugging the power tool. Keep the power cable away from heat, oil, sharp edges or moving parts.** Damaged or entangled cables increase the risk of electric shock.
4. **When operating a power tool outdoors, use an extension cable suitable for outdoor use.** Use of a cable suitable for outdoor use reduces the risk of electric shock.
5. **If operating the power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.**

PERSONAL SAFETY

1. **Stay alert, watch what you are doing and use common sense when operating a power tool.** Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in personal injury.
2. **Use safety equipment. ALWAYS wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. **Avoid accidental starting.** Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
4. **Remove any wrench before turning the power tool on.** A wrench left attached to a rotating part may result in personal injury.

5. **DO NOT overreach.** Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
6. **Dress properly.** Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

POWER TOOL USE AND CARE

1. **DO NOT force the power tool.** Use the correct accessories for your application. The correct power tool will do the job better and safer at the rate which it was designed.
2. **DO NOT use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. **Disconnect the plug from the power source before changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
4. **Store idle tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate it.** Power tools are dangerous in the hands of untrained users.
5. **Maintain power tools.** Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
6. **Use the power tool and accessories in accordance with these instructions and in the manner intended, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from intended could result in a hazardous situation.
7. The performance of this tool may vary, depending upon variations in line voltage. Extension cable usage may also affect performance.

SERVICING

1. Have your power tool serviced by qualified service personnel using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

SAFETY RULES FOR OSCILLATING SAWS & SANDERS

1. **Hold power tools by insulated gripping surfaces when performing an operation where the cutting tools may contact hidden wiring.** Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator. Do not cut or break into existing walls or other blind areas where electrical wiring may exist. If this situation is unavoidable, disconnect all fuses or circuit breakers feeding this worksite.

2. **Use a metal detector to determine if there are gas or water pipes hidden in the work area or call the local utility company for assistance before beginning the operation.** Striking or cutting into a gas line will result in explosion. Water entering an electrical device may cause electrocution.
3. **Keep hands away from cutting area. Do not reach under the material being cut.** The proximity of the blade to your hand is hidden from your sight.
4. **DO NOT use dull or damaged blades.** Bent blades can break easily or cause kickback.
5. **Exercise caution when handling the accessories.** The accessories are very sharp.
6. **Wear protective gloves when changing cutting accessories.** Accessories become hot after prolonged usage.
7. **Limit the exposure time to vibration by taking frequent rest periods.** Vibration caused by the tool may be harmful to the hands and arms.
8. **Before scraping, check the workpiece for nails. If found, either remove them or set them well below intended finished surface.** Striking a nail with accessory edge could cause the tool to jump.
9. **DO NOT wet sand with this tool.** Water entering the motor housing is an electrical shock hazard.
10. **NEVER work in area which is wet or damp such as newly applied wallpaper.** There is an electrical shock hazard when working in such conditions with a power tool and heating of the water caused by scraping action may cause harmful vapours to be emitted from workpiece.
11. **ALWAYS wear eye protection and a dust mask for dusty applications and when sanding overhead.** Sanding particles can be absorbed by your eyes and inhaled easily and may cause health complications.
12. **Use special precautions when sanding chemically pressure treated lumber, lead-based paint, or any other material that may contain carcinogens.** A suitable breathing respirator and protective clothing must be worn by persons entering the work area. The work area should be sealed by plastic sheeting and persons not protected should be kept out until work area is thoroughly cleaned.
13. **DO NOT use sandpaper intended for larger sanding pads.** Larger sandpaper will extend beyond the sanding pad causing snagging, tearing of the paper or kick-back. Extra paper extending beyond the sanding pad can also cause cuts.

SAFETY SYMBOLS



Read instruction manual before use



Wear eye protection



Wear ear defenders



Wear protective gloves

ELECTRICAL CONNECTIONS



WARNING: READ THESE ELECTRICAL SAFETY INSTRUCTIONS THOROUGHLY BEFORE CONNECTING THE PRODUCT TO THE MAINS SUPPLY

Before switching the product on, make sure that the voltage of your electricity supply is the same as that indicated on the rating plate. This product is designed to operate on 230VAC 50Hz. Do not connect it to any other power source.

This product may be fitted with a non-rewireable plug. If it is necessary to change the fuse in the plug, the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a suitable replacement is obtained.

If the plug has to be changed because it is not suitable for your socket, or due to damage, it should be cut off and a replacement fitted, following the wiring instructions shown below. The old plug must be disposed of safely, as insertion into a mains socket could cause an electrical hazard.

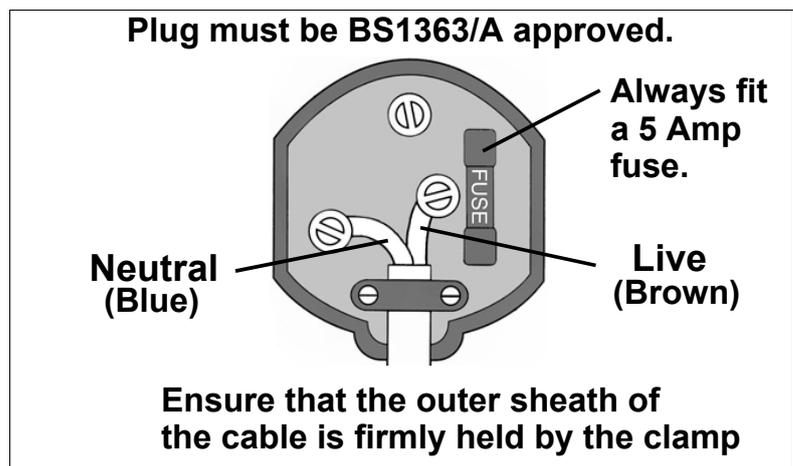


WARNING: THE WIRES IN THE POWER CABLE OF THIS PRODUCT ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

Blue = Neutral Brown = Live

If the colours of the wires in the power cable do not correspond with the terminal markings of your plug, proceed as follows.

- The Blue wire must be connected to the terminal marked N or coloured Black.
- The Brown wire must be connected to the terminal marked L or coloured Red.



We strongly recommend that this product is connected to the mains supply via a Residual Current Device (RCD). If in doubt, consult a qualified electrician. DO NOT attempt repairs yourself.

CONTENTS

When unpacking, check for damage or shortages etc. Any found should be reported to your CLARKE dealer where the appliance was originally purchased. The CMFT250 multi function tool kit is supplied with the following components:

1. 1 x Retaining Disc
2. 1 x Retaining Screw
3. 1 x Semi Circular Cutting Blade
4. 1 x Scraper Blade
5. 1 x Side Handle
6. 1 x Straight Cutting Blade
7. 3 x Sanding Sheets - 60, 120 & 240 grit
8. 1 x Sanding Pad
9. 1 x Hexagon key



BEFORE USE



WARNING: ENSURE THAT THE TOOL IS SWITCHED OFF AND UNPLUGGED FROM THE MAINS SUPPLY BEFORE FITTING OR REMOVING THE ACCESSORIES OR HANDLE.

FITTING THE SIDE HANDLE

1. If required, screw the side handle onto the body of the tool.

NOTE: The handle can be fitted for left or right handed use as required. Choose the most appropriate position for user comfort and the task in hand.

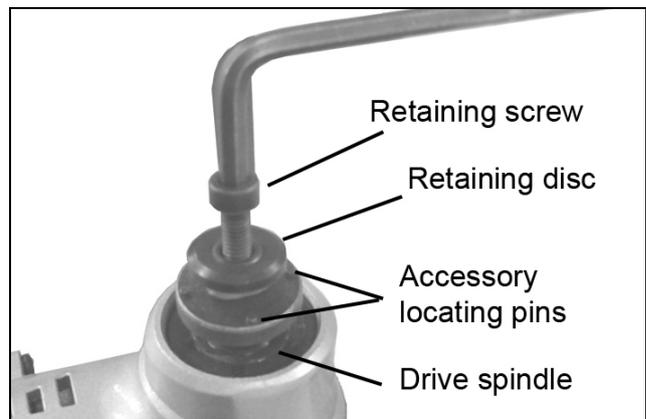


FITTING THE ACCESSORIES

The multi-function tool should be supplied with the retaining disc held in place by the retaining screw.

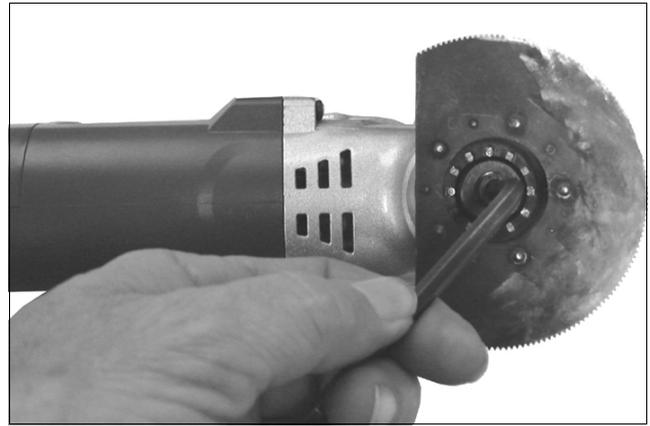
NOTE: The drive spindle has four accessory locating pins as shown.

1. Remove the retaining screw using the hex key supplied, and lift away the retaining disc.
2. Position your chosen accessory on the drive spindle, ensuring that the locating pins engage with the corresponding holes in the accessory and that the accessory lays flat on the spindle.
3. Replace the retaining disc, ensuring that the flat face is in contact with the accessory, and secure in place with the retaining screw.



NOTE: All accessories are fitted in this way.

Tighten the retaining screw in a clockwise direction using the hex key supplied. Do not overtighten.



FITTING THE SANDING SHEETS

The sanding pad is faced with hook and loop material enabling the sanding sheets to be quickly and simply attached or removed.

1. Align the sanding sheet to the sanding pad and press firmly to attach in place.
 - Try to ensure that the holes in the sanding sheet line up with the holes in the sanding pad.
2. To remove the sanding sheet, carefully peel off the sheet from one of the corners.



OPERATION

1. Hold the tool firmly and switch on by sliding the On/Off switch forward. The motor will then run continuously. Slide the switch back and the motor will stop.
2. Adjust the speed control to the desired working speed by turning the thumb-wheel at the rear of the machine.



3. Slowly apply the tool to the workpiece and proceed to sand or cut. Move the tool across the work applying a light even pressure.

- Whether cutting, scraping or sanding, always ensure the workpiece is securely fixed, i.e. clamped to a workbench or secured in a vice.



4. When working on car bodywork, the vibration may cause any items left on the car bonnet, boot or roof to fall, leading to injury to yourself or others in the work vicinity. Always keep the work area tidy.



WARNING: ENSURE THAT THE WORKING POSITION ADOPTED DOES NOT CAUSE OPERATOR FATIGUE WHICH MAY LEAD TO LOSS OF CONTROL.

USING THE SANDER ATTACHMENT

In sanding mode, the tool can be used to sand materials such as wood, plastic, metal and painted surfaces.



WARNING: ALWAYS WEAR EYE PROTECTION AND A DUST MASK FOR DUSTY APPLICATIONS AND WHEN SANDING OVERHEAD.

Ensure you have the correct sanding paper for the application. Always test on scrap material before using on your final workpiece.

CHOOSING THE CORRECT SANDING SHEET

The sanding sheets are rated according to the number marked on the back of each sheet. The lower the number, the coarser and more abrasive the particles on the sheet will be.

Very coarse grit (e.g.40) is used for removing paint and sanding down rough surfaces.

Medium grit (e.g.80) is used for sanding down plain timber.

Fine grit (e.g.120) is used to give a smooth finish to bare wood.

Very fine grit (400 & above) is used for fine sanding between coats of paint.

SANDING

1. Taking care that the sander is not touching the work piece, switch the tool on. Adjust the speed control to the desired setting for the task.
2. Place the tool on the workpiece, ensuring the whole are of the sanding base/pad is in contact with the work surface.
3. Allow the tool to do the work and do not apply heavy pressure. Heavy pressure does not increase the removal of material but may wear out the sanding sheets faster.
4. If sanding into corners, use the tip or corner of the sanding pad.



NOTE: The sanding pad must be kept flat on the workpiece. Take care not to tilt the base and use the edge of the pad. This will damage the sanding sheet and pad, making it harder to grip the sanding sheet.

NOTE: Take care not to apply excessive pressure as this can cause circular tooling marks on the work, especially if using coarse sanding sheets.

USING THE SAW ATTACHMENTS

In sawing mode, the tool can be used to cut materials such as wood, plastics and sheet metal such as aluminium, although the supplied blades are not ideally suited to cutting steel or similar ferrous metals.



CAUTION: CLAMP YOUR WORKPIECE SECURELY IF POSSIBLE BEFORE STARTING WORK.

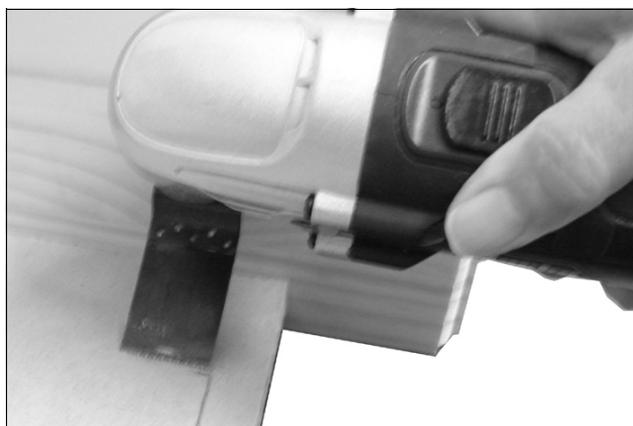
Note: Ensure the blade is sharp and not damaged before starting work.

SAWING WITH THE STRAIGHT OR SEMI CIRCULAR BLADES

1. Switch the tool on before it touches the work piece.
2. Adjust the speed control to the desired setting for the task. Select a high speed for sawing.
3. If making a plunge cut use a slight pendulum motion to allow chip/ debris removal.



NOTE: If using the saw attachments for plunge cuts, only use the saw on soft materials such as softwood and plaster boards. Always check that there are no nails or screws in the workpiece before cutting.



USING THE SCRAPER

In scraping mode, the tool can be used to remove materials such as paint, sealant residues, adhesives, fabrics and vinyl from materials such as wood, plastic, metal and painted surfaces.

1. Switch the tool on before it touches the work piece.
2. Adjust the speed control to a medium/high speed as required.
3. Place the tool on the workpiece, ensuring the angle of the scraper blade to the workpiece is correct.
4. Allow the tool to do the work and do not apply a heavy pressure which can cut into the surface and overload the tool.



NOTE: The scraping blade is designed for scraping soft materials from flat surfaces. Ensure you get the correct angle and only apply light pressure to avoid cutting the surface.

NOTE: The scraper blade is quite sharp and tends to remove the surface from soft materials such as timber (acting in a similar way to a chisel). Great care should therefore be taken when removing coatings from these types of materials.

MAINTENANCE

Before starting any cleaning or maintenance, always ensure the tool is isolated from the electrical supply by switching off and removing the plug from the power socket.

BEFORE USE

1. Inspect the tool before use to ensure it is in top condition.
2. Ensure all fixing screws remain tight to ensure the tool is in safe working condition.
3. Inspect the power cable to ensure it is sound and free from damage.

CLEANING

1. Ensure all air ventilation slots are clear, (Use compressed air to clean the tool if possible. Always wear protective goggles when cleaning with compressed air).
2. Clean the exterior of the tool with a soft cleaning cloth without using any chemicals or harsh abrasives. Avoid using solvents when cleaning plastic parts, which may be susceptible to damage from various types of 10 commercial solvents.

GENERAL MAINTENANCE

All bearings etc, in this tool are lubricated with a sufficient amount of high grade lubricant for the tools lifetime under normal operating conditions, therefore no further lubrication is necessary.

The carbon brushes in the tool will eventually wear down to such an extent that sparks will be noticed inside the tool and its performance will deteriorate. Brushes are a consumable spare which should be replaced by your Clarke dealer or power tool repairer.

Refer to your CLARKE dealer if internal maintenance is required.

TROUBLESHOOTING

Problem	Possible cause	Remedy
Tool will not operate	No power supply Switch is faulty Fuse blown. Motor is faulty	Check supply and rectify as necessary. Consult your dealer Check and replace as necessary. Consult your dealer
Motor runs but tool accessory does not move.	Accessory fastening not engaged. Drive gear broken	Re-fit accessory correctly. Consult your dealer
Heavy internal sparking	Faulty motor or worn brushes.	Consult your dealer
Motor becomes hot	Unduly heavy use. Air vents have become blocked. Low supply voltage.	Reduce the force applied to the tool. Let the tool do the work. Clean out the air vent using compressed air or clean with a dry cloth. Ensure supply voltage is correct. If an extension cable is used, ensure it is of the correct rating and is fully unwound.
Excessive vibration	Machine bearings worn.	Consult your dealer

DECLARATION OF CONFORMITY



Fitzwilliam Hall, Fitzwilliam Place, Dublin 2

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following legislation:

- 2014/30/EU Electromagnetic Compatibility Directive
- 2006/42/EC Machinery Directive
- 2011/65/EU Restriction of Hazardous Substances (RoHS) Directive

The following standards have been applied to the product(s):

- EN 55014-1:2017, EN 55014-2:2015, EN IEC 61000-3-2:2019, EN 61000-3-3:2013/A1:2019,
- EN 62841-1:2015, EN 62841-2-4:2014, IEC 62321-3-1:2013, IEC 62321-4:2013/AMD1:2017,
- IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-8:2017

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2010

Product Description: Multifunction Tool
Model Number(s): CMFT250
Serial/Batch Number: Refer to product/packaging label
Date of Issue: 03/04/2023

Signed:

J.A. Clarke
Director

CMFT250 CE Clarke DOC 040323

Page 1 of 1



Hemcill Street, Epping, Essex, CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following legislation:

- The Electromagnetic Compatibility Regulations 2016
- The Supply of Machinery (Safety) Regulations 2008
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

The following standards have been applied to the product(s):

- EN 55014-1:2017, EN 55014-2:2015, EN IEC 61000-3-2:2019, EN 61000-3-3:2013/A1:2019,
- EN 62841-1:2015, EN 62841-2-4:2014, IEC 62321-3-1:2013, IEC 62321-4:2013/AMD1:2017,
- IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-8:2017

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned legislation has been compiled and is available for inspection by the relevant enforcement authorities.

The UKCA mark was first applied in: 2023

Product Description: Multifunction Tool
Model Number(s): CMFT250
Serial/Batch Number: Refer to product/packaging label
Date of Issue: 03/04/2023

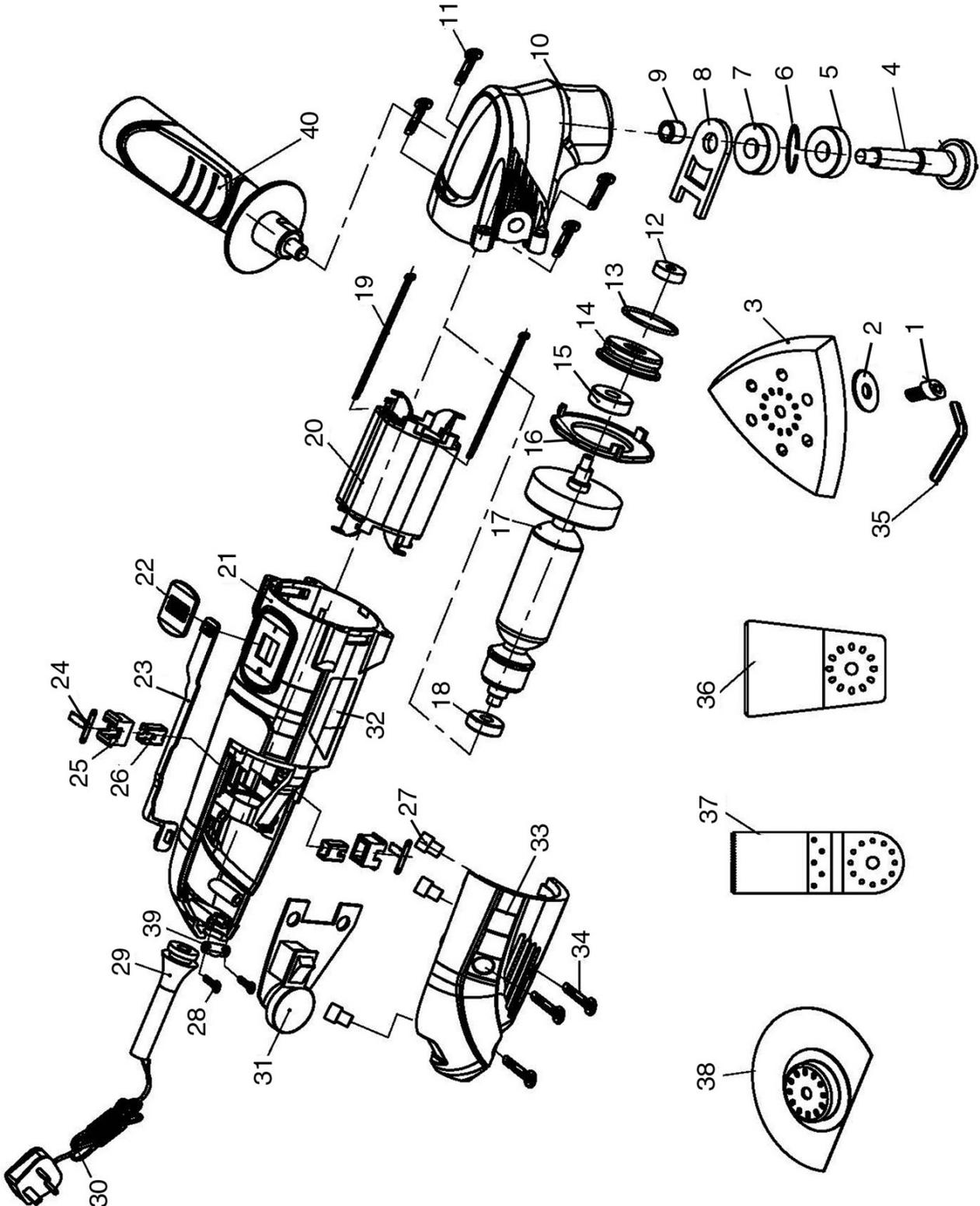
Signed:

J.A. Clarke
Director

CMFT250 UKCA Clarke DOC 040323

Page 1 of 1

PARTS DIAGRAM



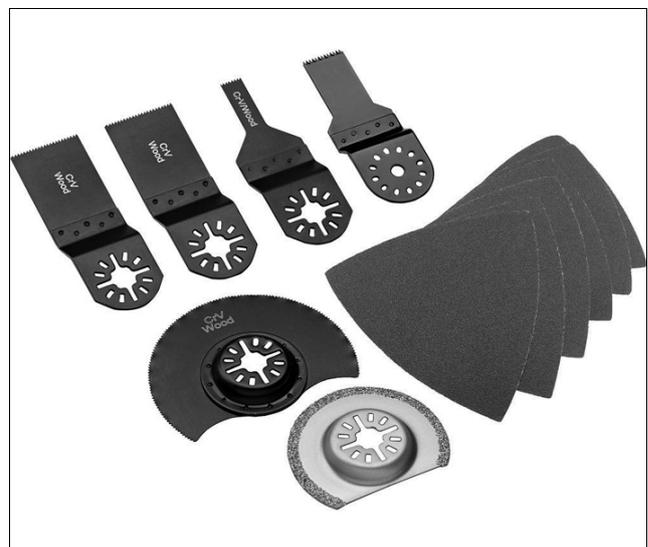
PART LIST

1	Hex screw
2	Flat washer
3	Sanding pad
4	Drive spindle
5	Sealing ring
6	Circlip
7	Ball bearing
8	Connecting plate
9	Needle bearing
10	Drive housing
11	Screw
12	Bearing
13	O-ring
14	Bearing housing
15	Ball bearing
16	Baffle
17	Armature
18	Ball bearing
19	Screw
20	Stator

21	Motor Housing
22	On/off switch
23	Switch actuating rod
24	Carbon brush (pair)
25	Brush holder (pair)
26	Copper sleeve (pair)
27	Rubber Pin
28	Screw
29	Cable sheath
30	Power cable
31	Circuit board
32	Label
33	Rear cover
34	Screw
35	Allen key
36	Scraper
37	Straight blade
38	Semi-circular blade
39	Cable clamp
40	Auxiliary handle

The Multi-Function Tool Accessory Kit - (Part No 6462205) includes the following and is available from your CLARKE dealer. This includes:

- 1 x 32 mm Straight Blade
- 1 x 20 mm Straight Blade
- 1 x 10 mm Straight Blade
- 1 x Grout Removing Disc
- 1 x Semi-Circular Saw Blade
- 6 x Sanding Sheets



A SELECTION FROM THE VAST RANGE OF

Clarke®

QUALITY PRODUCTS



AIR COMPRESSORS

From DIY to industrial, Plus air tools, spray guns and accessories.

GENERATORS

Prime duty or emergency standby for business, home and leisure.

POWER WASHERS

Hot and cold, electric and engine driven - we have what you need

WELDERS

Mig, Arc, Tig and Spot. From DIY to auto/industrial.

METALWORKING

Drills, grinders and saws for DIY and professional use.

WOODWORKING

Saws, sanders, lathes, mortisers and dust extraction.

HYDRAULICS

Cranes, body repair kits, transmission jacks for all types of workshop use.

WATER PUMPS

Submersible, electric and engine driven for DIY, agriculture and industry.

POWERTOOLS

Angle grinders, cordless drill sets, saws and sanders.

STARTERS/CHARGERS

All sizes for car and commercial use.

PARTS & SERVICE: 0208 988 7400

Parts Enquiries
Parts@clarkeinternational.com

Servicing & Technical Enquiries
Service@clarkeinternational.com

SALES: UK 01992 565333 or Export 00 44 (0)1992 565335

Clarke INTERNATIONAL Hemnall Street, Epping, Essex CM16 4LG
www.clarkeinternational.com