Clarke®

AIRLESS PAINT GUN

MODEL NO: CEPG1

PART NO: 3090120

INSTRUCTIONS FOR USE

UK CA | CE

ORIGINAL INSTRUCTIONS

GC06/23

INTRODUCTION

Thank you for purchasing this CLARKE Paint Gun.

Airless spraying reduces the mist associated with compressed air spraying and therefore reduces paint loss. Your sprayer may be used with various mediums, including water-based paints, varnishes, wood preservatives, masonry paints.

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.

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.

SPECIFICATION

Weight	1.75 kg
Dimensions (L x W x H)	303 x 140 x 286mm
Container Capacity	1000 ml
Cable length	5m
Rated input power	400 W
Voltage	230 V / 50 Hz
Ingress Protection Rating	IPx0
Electrical Insulation Class	Class II
Duty cycle classification	S1 (continuous)
Maximum nozzle flow rate	800 ml/min
Maximum Liquid Viscosity	70 DIN/sec

GENERAL SAFETY PRECAUTIONS

WORK AREA

1. **Keep the work area clean and well lit.** Cluttered and dark areas invite accidents.
2. **Keep children and bystanders away while operating a power tool**. Distractions can cause you to lose control.

ELECTRICAL SAFETY

1. **Power tools must match the power outlet. NEVER modify the plug in any way. DO NOT use adaptor plugs with earthed (grounded) power tools.** Correct plugs and outlets will reduce the risk of electric shock.
2. **DO NOT expose power tools to rain or wet conditions.** Any water entering power tools will increase the risk of electric shock.
3. **DO NOT abuse the electrical cable. Never use the cable for pulling or unplugging the power tool. Keep the cable away from sources of heat, oil, sharp edges or moving parts**. Damaged or tangled cables increase the risk of electric shock.
4. **When operating a power tool outdoors, use an extension cable suitable for outdoor use.** Using the correct cable reduces the risk of electric shock.

PERSONAL SAFETY

1. **Stay alert, watch what you are doing and use common sense when you are operating a power tool.** DO NOT operate a power tool when you are tired, ill or under the influence of alcohol, drugs or medication.
2. **Wear personal protective equipment including eye protection.** Safety equipment such as a dust mask and non-skid shoes used for appropriate conditions will reduce personal injuries. Use a face or dust mask if necessary.
3. **DO NOT over-reach.** Keep your proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
4. **Dress properly.** Wear protective hair covering to contain long hair. For best footing, wear rubber soled footwear. Keep floor clear of oil, scrap wood, etc.
5. Concentrate on the job in hand, no matter how trivial it may seem. Be aware that accidents are caused by carelessness due to familiarity.

POWER TOOL USE AND CARE

1. **DO NOT use the paint gun 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.
2. **Store power tools out of the reach of children and do not allow persons unfamiliar with these instructions to operate the paint gun**. Power tools are potentially dangerous in the hands of untrained users.
3. **Maintain power tools in top condition**. Check for any condition that may affect the **paint gun's** operation. Many accidents are caused by poorly maintained tools.
4. **Machine cleanliness.** Clean the paint gun routinely. DO NOT allow the ventilation slots in the housing to become blocked with dust.
5. **Check for damage before using the paint gun.** Any damaged part should be inspected to ensure that it will operate properly and perform its intended function. Check for any condition that may affect the paint guns operation. Any damage should be properly repaired or the part replaced. If in doubt, DO NOT use. Consult your local CLARKE dealer.
6. **When necessary, have your paint gun serviced or repaired by a qualified person using identical replacement parts.** This will ensure that the safety of the paint gun is maintained.

FURTHER PRECAUTIONS FOR PAINT SPRAYING

1. NEVER spray in the direction of persons or animals. Never allow the paint to come into contact with the skin. In the case of injury, seek expert medical advice immediately.
2. ALWAYS make sure there is adequate ventilation. DO NOT spray in confined or enclosed areas.
3. ALWAYS wear a suitable approved breathing mask when spraying, to protect against inhalation of paint spray or fumes. An air feed mask may be required when spraying some types of paint. If in doubt, check with the paint manufacturer.
4. ALWAYS disconnect the spray gun from the electrical supply when it is not in use and before cleaning or disassembly.
5. ALWAYS adhere to the manufacturers instructions when thinning paint.
6. ALWAYS disconnect from the mains supply when filling the paint container.
7. ALWAYS thoroughly clean the spray gun after use.
8. NEVER use the paint gun outdoors when it is raining
9. NEVER smoke while spraying or preparing paints or spray near a naked flame or heat source. Some paints are flammable.

ELECTRICAL CONNECTIONS

WARNING! READ THESE ELECTRICAL SAFETY INSTRUCTIONS THOROUGHLY BEFORE CONNECTING THE PRODUCT TO THE MAINS POWER 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. Connecting it to any other power source may cause damage.

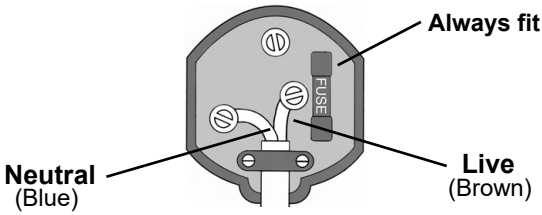
This product may be fitted with a non-rewireable plug. If it is necessary to change the fuse in the plug, the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a suitable replacement is obtained.

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.

If the colours of the wires in the power cable of this product do not correspond with the markings on the terminals 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**.

Plug must be BS1363/A approved.



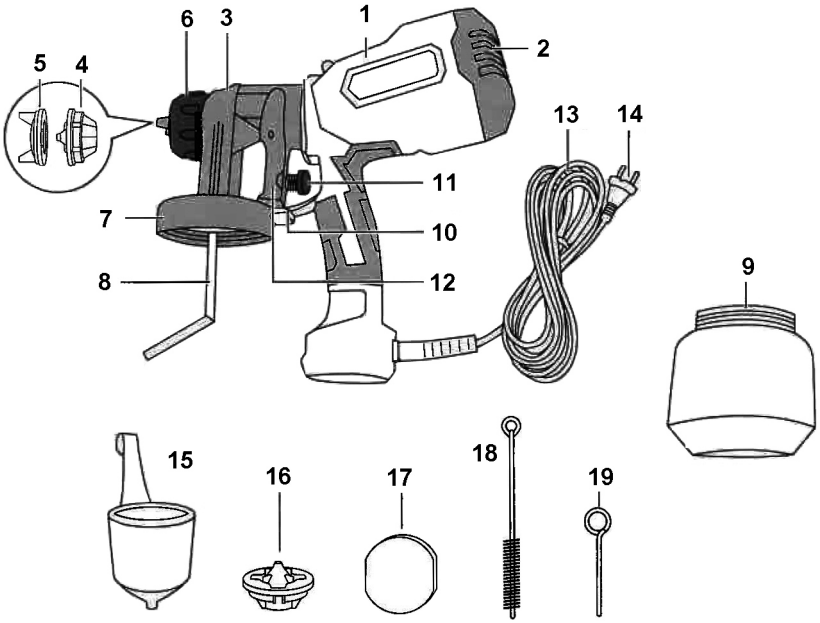
Ensure that the outer sheath of the cable is firmly held by the clamp

We strongly recommend that this machine is connected to the mains supply via a Residual Current Device (RCD).

If in any doubt, consult a qualified electrician. DO NOT attempt any repairs yourself.

This symbol indicates that this is a Class II product, and does not require an earth connection.

OVERVIEW



1	Motor housing	11	Output stop knob
2	Air vent with filter	12	Trigger
3	Gun body	13	Power cable
4	Nozzle	14	3-pin plug
5	Nozzle cap	15	Viscosity cup
6	Collar nut	16	Spare nozzle basket
7	Container mounting	17	Air filter pad
8	Pick-up tube	18	Brush cleaning tool
9	Paint container	19	Nozzle unblocking tool
10	Support		

PAINT PREPARATION

To obtain the best results it is important that you prepare the surface to be sprayed and thin the paint to the correct viscosity before spraying.

Always ensure that surfaces to be sprayed are free from dust, dirt and grease. Make sure that you have masked the areas that should not be sprayed, using a good quality masking tape.

The paint to be sprayed should be thoroughly mixed and free from lumps or other particles. Many substances can be sprayed with your spray gun but always check the manufacturer's recommendations before purchasing your paint. DO NOT use textured wall paints or coatings as this will block the nozzle.

THINNING

Most paints are supplied ready for brush application and will need to be thinned before they are suitable for spraying. Follow the manufacturer's advice on thinning the paint when used with a spray gun.

The viscosity cup will help you to determine the correct viscosity of paint to be used. To do this, fill the cup to the brim with the paint and measure the time it takes for the cup to empty back into the can. Most paints should pass through the cup in 20-25 seconds.

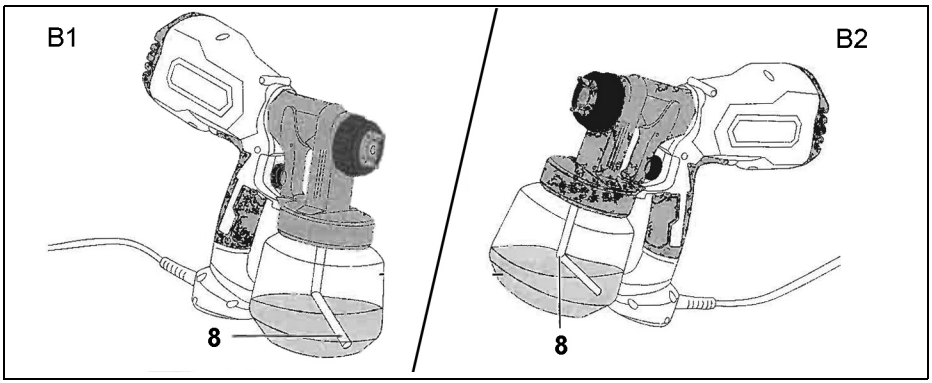
If the paint takes longer than the recommended time to empty then further thinning is required. Mix in a small quantity of the appropriate thinner and use the viscosity test until the correct consistency is achieved.

Some sprayable materials contain particles and lumps. These materials should be strained before filling the paint container.

OPERATION

OPERATING THE PAINT GUN

1. Unscrew the container from the gun body.
2. Direct the pickup pipe depending on the expected working position:
   - Rotate the pickup pipe forward when working with flat objects (see Fig. B1).
   - Turn the pickup backwards when working on overhead surfaces (see Fig. B2).



3. Place the container on a paper surface to catch any spillage and pour the correctly thinned and strained paint spray material into the container (with a funnel if necessary).
4. Screw the container into the gun body.
5. Attach the motor housing to the gun body. Push two parts firmly together and twist the housing until the arrow mark is aligned with the LOCK symbol (see fig. C).
6. Make sure collar nut is tight and tighten clockwise if loose.
7. Exchange the pre-installed (2.6 mm) nozzle with the 1.8 mm nozzle if required.

NOTE: The 2.6 mm tip is suitable for a more viscous spray material. The 1.8 mm nozzle is suitable for both a material of more viscous spray as diluted. Compare the two nozzles and test the two nozzles on some scrap to determine which is best.

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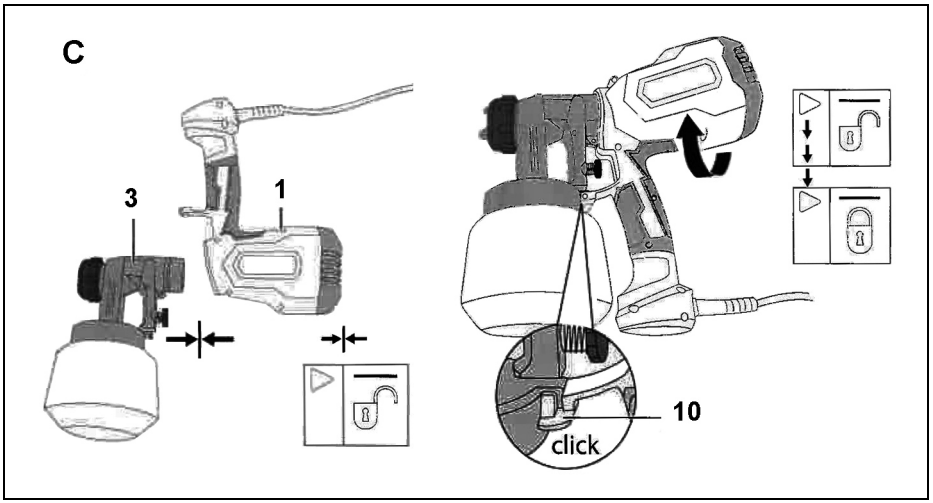
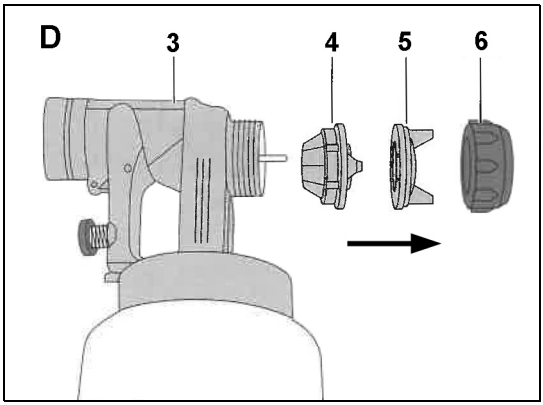


- To change the 2.6 mm nozzle, screw the collar counter-clockwise and remove the 2.6 mm nozzle from the gun body.
- Attach the 1.8mm nozzle to the gun. Be sure that the notches or protrusions are properly aligned.
- Install the nozzle in the mouthpiece.
- Screw the collar clockwise onto the body until tight.

8. Stand the gun on a flat surface ensuring it cannot tip over.
9. Connect the gun to the power supply. To start spraying pull the trigger towards the motor housing.
10. Take a sheet of old cardboard and carry out some tests to familiarize yourself with the gun's behavior.



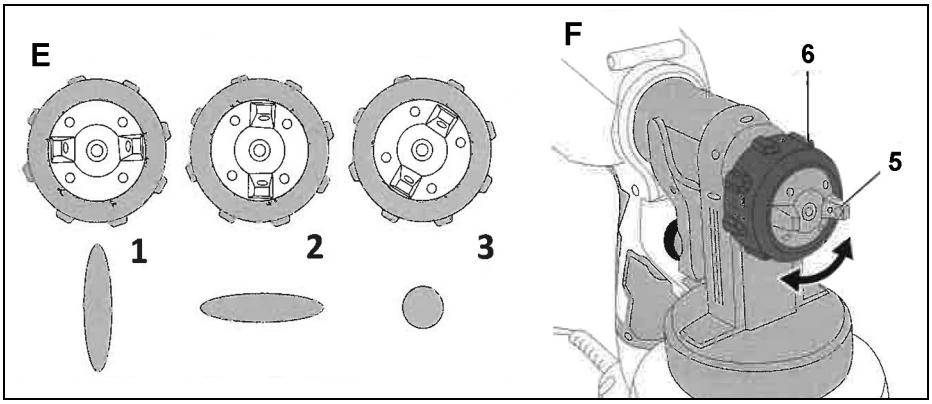
- Read the following sections describing configuration options.

ADJUSTING THE SPRAY PATTERN

Adjustment of the output control will affect the pattern. A poor spray pattern will concentrate the paint in the centre of the spray and give a blotchy finish. A good spray pattern will give even distribution of paint throughout the pattern.

Depending on the direction of work or the application you can have different spray patterns:

- Vertical flat spray for horizontal application of material (See fig E1)
- Horizontal flat spray for vertical application of material (See fig E2)
- Round spray for corners and edges & hard-to-reach spots (See fig E3)



1. Slightly loosen the collar by turning it counterclockwise.
2. Turn the nozzle to the desired spray pattern position (see figs E & F).
3. Fully retighten the collar nut. Keep the nozzle in the desired position.

ADJUSTING THE PAINT QUANTITY

1. Adjust the output stop knob to limit the amount of material sprayed.
2. Turn the knob clockwise to increase the amount of material.
3. Turn the knob counterclockwise to reduce the amount of material.

SPRAYING TECHNIQUE

WARNING: ALWAYS WEAR A SUITABLE RESPIRATOR TO PROTECT THE EYES AND THE RESPIRATORY SYSTEM FROM PAINT MIST OR CHEMICAL VAPOURS.

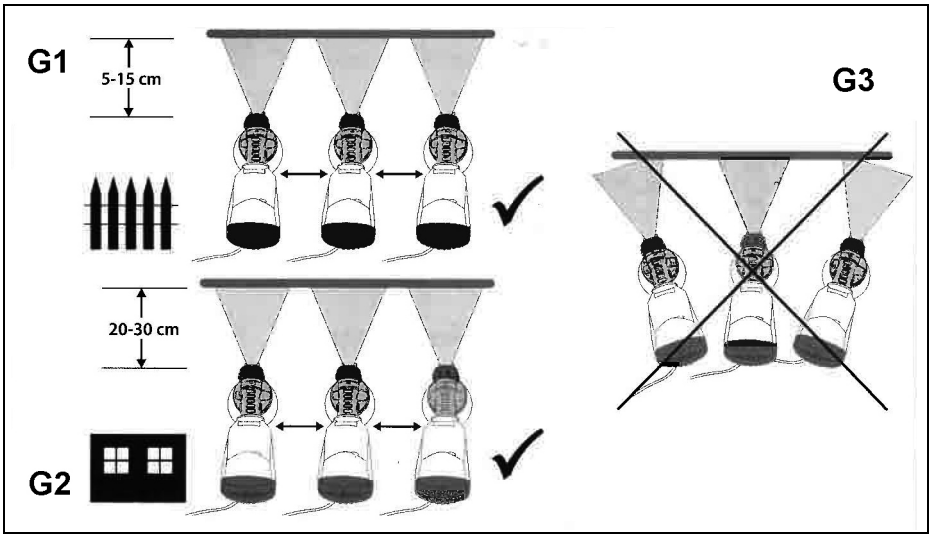
CAUTION: USE THE GUN ONLY IN WELL-VENTILATED OR VENTILATED SPACES.

CAUTION: WEAR PROTECTIVE CLOTHING AND GLOVES TO PROTECT SKIN AND CLOTHING FROM DAMAGE AND IRRITATION.

The results of spraying depends on how smooth and clean is the surface that you want to spray. Pre-treat the surface and keep it free of dust and dirt.

The distance between the gun and the surface to be sprayed should be between 5 and 15 cm depending on the width of the jet of spray that you want. In the case of wall painting indoors, the distance should be about 20-30 cm (see fig. G1/G2).

1. Start by spraying the edges of the surface. Make sure the movement comes from the arm, not the wrist. In this way, the distance and the paint application will be more uniform (see fig. G3 for what not to do).



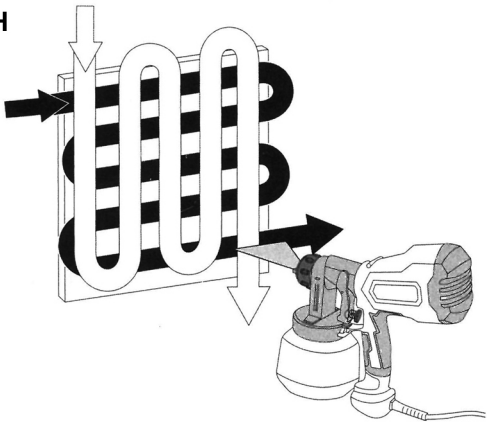
2. Make the spray movement first and pull the trigger to start spraying.
3. Move the gun evenly across the surface, avoiding interruptions.
4. To obtain the best results, keep your spray gun level and parallel to the surface at all times.

When spraying large areas, always use a criss-cross pattern as shown (see fig. H).

Keep the nozzle 25 - 30 cm from the surface and spray evenly from side to side or up and down.

DO NOT spray at an angle as this will lead to paint runs on the surface. Use smooth and even strokes.

H



NEVER start or stop the spray gun while it is aimed at the surface to be sprayed. Evenly control the speed of movement of the spray gun.

- Moving quickly over the surface will give a thin coat and slow movement will give a heavy coat.
- Apply one coat at a time. If a further coat is required, make sure you observe the manufacturer's drying time recommendations before applying a second coat.
- When spraying small areas, keep the output control on a low setting. This will avoid using too much paint and prevent overspray.

Where possible, avoid stopping and starting when spraying an object. This can lead to too much, or not enough paint being applied. DO NOT tip the spray gun to more than 45°.

INTERRUPTIONS DURING WORK

- NEVER leave the gun unattended and disconnect the plug if you are not using it.
- When putting the gun down, always stand it in an upright position on a flat surface. DO NOT lay the gun on its side.
- If you take a longer break, ventilate the container by briefly releasing it from the gun and tightening it again.
- If you have disconnected the plug and accidentally operate the trigger, spray material could continue to come out.
- Clean the nozzle and nozzle cap with a cloth so that it does not block. However, if at the beginning of the work there are remains of dried material on the nozzle and air cap, you can carefully remove them with the cleaning needle. Be sure not to damage any part with the tip.

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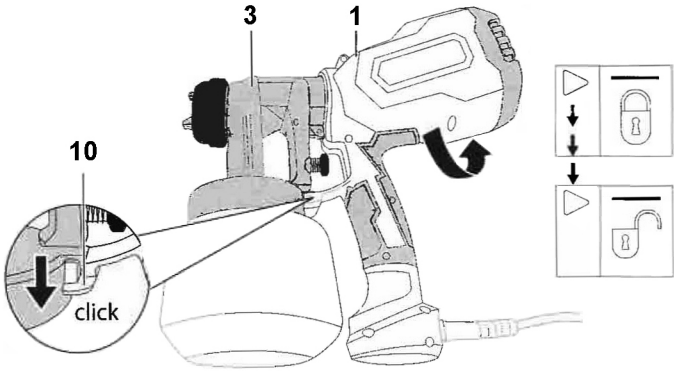
CLEANING AND MAINTENANCE

CAUTION: ALWAYS DISCONNECT FROM THE POWER SUPPLY BEFORE CLEANING THE SPRAY GUN

Continuously satisfactory operation depends upon proper care and regular cleaning. It is essential that the spray gun is cleaned thoroughly after every use. Failure to clean it will almost certainly result in blockages and it may not operate when you next come to use it. The following actions must be taken after every use:

1. Disconnect the gun body from the motor housing by pressing the support down and turning the gun body counterclockwise (see fig. I).

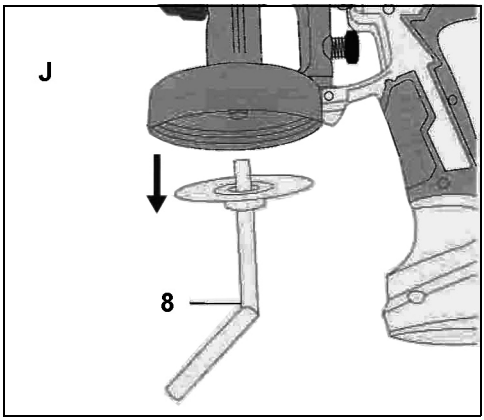
I



CLEANING THE CONTAINER

1. Unscrew the container and empty the remainder of the spray material into the original storage container.
2. Remove the pickup tube with the filter membrane.
3. Wash the container, filter and pickup pipe thoroughly.
   - Use the cleaning brush to clean the container and the pickup tube.

J



CLEANING THE NOZZLE

1. Unscrew the collar and remove the nozzle cap.
2. Remove the nozzle from the spray attachment.
3. Clean the spray basket and nozzle and remove any paint that remains.
4. If there is dried paint material remaining in the nozzle or cap you can gently remove them with the cleaning needle. Take care not to damage any parts with the needle.
    - NEVER use aggressive, flammable or alcohol-based cleaning agents. solvents, metallic sponges or hard brushes

REASSEMBLY

1. Replace the pickup tube, pressing the filter membrane into the housing.
2. Screw the container into the threaded support.
3. Connect the motor housing with the spray fitting by aligning the arrow mark on spray fitting with the LOCK symbol on the body of the gun. (see page 9). Push the gun body firmly into the spray attachment and turn the gun body clockwise until the arrow mark on the spray accessory is aligned with the LOCK symbol.
4. Attach the nozzle to the spray gun. Make sure the nozzles notches or protrusions are properly aligned.
5. Replace the nozzle and screw the collar clockwise onto the gun.
6. Pour some thinner into the paint container and spray through the gun until only clean thinner is coming out of the nozzle.
7. Allow all components to dry completely.

LONG TERM MAINTENANCE

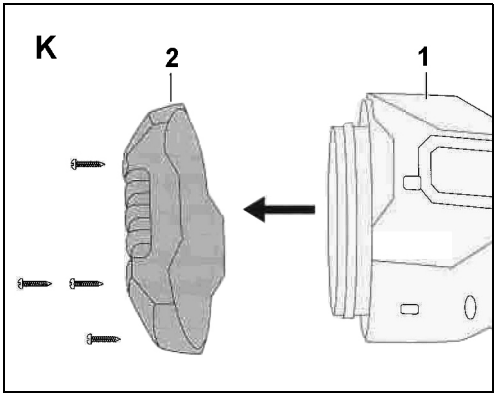
Please be aware that certain parts of this spray gun may wear with long term use, requiring replacement. The wear on these parts depends on the abrasiveness of the materials being sprayed. More abrasive materials, such as emulsions will cause these parts to wear much faster.

Worn nozzles will have larger holes and scratches on the internal surfaces. This is likely to cause a poor spray pattern and will eventually require replacing. Replacement parts are available from your CLARKE dealer or the CLARKE International Parts Department.

CHANGING THE AIR FILTER

The filter can be washed in warm water and dried but If it is very dirty you can replace it with the replacement filter supplied.

1. Unscrew the four screws at the rear of the gun with a x-head screwdriver.
2. Lift away the cover and remove the old filter.
3. Install the air filter replacement carefully before refitting the cover and replacing the screws.



STORAGE

Always ensure the gun is clean before storing it. Store in a dry, well ventilated place. Protect the gun from direct sunlight, sources of heat or frost. Keep the gun out of the reach of children.

DISPOSAL OF UNWANTED MATERIALS

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

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.

All packaging components can be disposed of through a shipping company. disposal of waste to authorized municipal facilities, in accordance with the current laws. Employees of waste disposal facilities will They can inform you, if you wish, on how to recycle in a correct ecological way.

FAULTFINDING

Problem	Cause	Solution
Motor hums but does not spray or spray is irregular	Pick-up pipe not in the right position.	Adjust pickup pipe.
	Blocked pickup pipe.	Clean with water or use thinners for really stubborn material.
	Blocked nozzle	
	Blocked filter	
	Output control needs adjustment	Adjust output control to suit as described on page 10.
Atomization is poor	Volume adjustment not correct	Adjust the output control
	Paint too thick	Check viscosity of paint
Over painting Motor louder than normal	Gun not clean resulting in piston sticking in cylinder	Dismantle the spray gun and clean thoroughly.
	Too much paint	Adjust output to reduce spraying. Apply two thin coats of paint.
	Paint too thin	Check viscosity
No spray or sound	No electrical power	Check power supply.
Operating sound not normal	Poor output adjustment	Re-adjust output control
	Not enough paint in container resulting in air being sucked in.	Re-fill with paint.
	Paint not properly diluted or not passing pick-up completely.	Check cleanliness of pick-up pipe and viscosity of paint.
Orange peel or excessive fogging.	Paint too thick.	Thin the paint.
	Spray gun too far from surface.	Hold spray gun closer to the surface.

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UK CA

Clarke® INTERNATIONAL

Hemnall 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:

Electromagnetic Compatibility Regulations 2016

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 IEC 55014-1:2021, EN IEC 55014-2:2021, EN IEC 61000-3-2:2019+A1:2021,
EN 61000-3-3:2013+A1:2019, EN 60745-1:2009+A11, EN 50580:2012+A1, IEC 62321-1:2013,
IEC 62321-2:2013, IEC 62321-3-1:2013, IEC 62321-4:2013+A1:2017, IEC 62321-5:2013,
IEC 62321-6:2015, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-8:2017, ISO 17075-1:2017

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: Electric Paint Gun

Model Number(s): CEPG1

Serial/Batch Number: Refer to product/packaging label

Date of Issue: 01/03/2023

Signed:

J.A Clarke

Director

CE

Clarke® INTERNATIONAL

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 the Use of Certain Substances in Electrical Equipment Directive*

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

EN IEC 55014-1:2021, EN IEC 55014-2:2021, EN IEC 61000-3-2:2019+A1:2021,
EN 61000-3-3:2013+A1:2019, EN 60745-1:2009+A11, EN 50580:2012+A1, IEC 62321-1:2013,
IEC 62321-2:2013, IEC 62321-3-1:2013, IEC 62321-4:2013+A1:2017, IEC 62321-5:2013,
IEC 62321-6:2015, IEC 62321-7-1:2015, IEC 62321-7-2:2017, IEC 62321-8:2017, ISO 17075-1:2017

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: 2023

Product Description: Electric Paint Gun

Model Number(s): CEPG1

Serial/Batch Number: Refer to product/packaging label

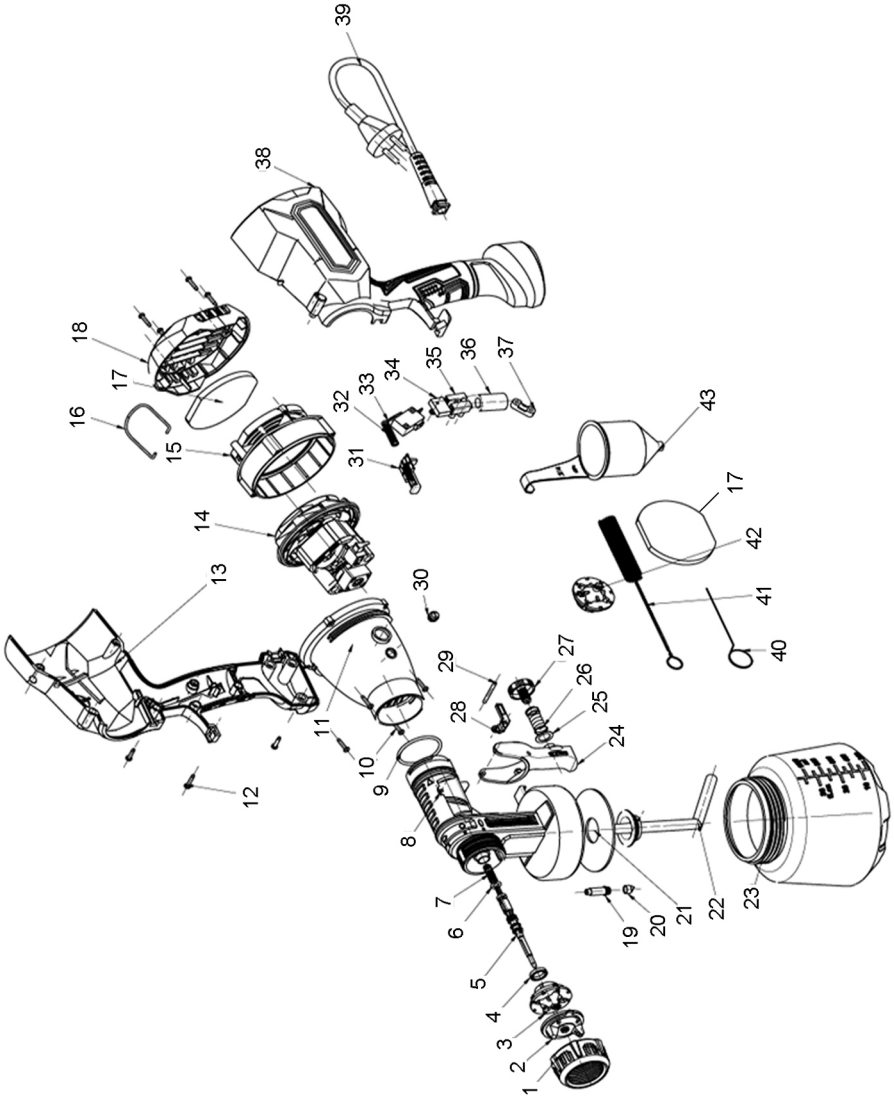
Date of Issue: 01/03/2023

Signed:

J.A Clarke

Director

COMPONENT PARTS



COMPONENT PARTS

No	Description
1	Collar
2	Nozzle Cap
3	Nozzle
4.	O-ring
5	Valve Element
6	Lip type Seal
7	Valve Element Spring
8	Front Shell
9	O-ring
10	X-head s/t Screw
11	Blower Front Shell
12	X-head s/t Screw
13	Right-hand Shell
14	Motor Assembly
15	Fan Rear Cover
16	Hanger
17	Sponge Filter
18	Rear Cover
19	Single Valve Seat
20	Single Valve
21	Sealing Washer
22	Pick-up Pipe

No	Description
23	Paint Container
24	Trigger
25	Washer
26	Spring
27	Setting Screw
28	Trigger Linkage
29	Cylindrical Pin
30	Outlet End Cap
31	Switch Slide Key
32	Slide Key Spring
33	Switch
34	Capacitor
35	Wiring Terminal
36	Inductive Magnetic Ring
37	Cable Clamp
38	Left-hand Shell
39	Power Cable
40	Cleaning Needle
41	Cleaning Brush
42	Nozzle
43	Viscosity Cup

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