

# Glanhöe®

## WOODWORKER



## PLANER/THICKNESSER

MODEL NO: CPT600

PART NO: 6462130

## OPERATION & MAINTENANCE INSTRUCTIONS



ORIGINAL INSTRUCTIONS

GC0321 rev 1

# INTRODUCTION

Thank you for purchasing this CLARKE Planer/Thicknesser designed for DIY use.

Before using the machine, please read this manual thoroughly and carefully follow all instructions given. This is for your own safety and that of others around you and is also to help you achieve a long and trouble free service from your new machine.

## SPECIFICATIONS

Model	CPT600
Voltage	230V~ @ 50Hz
Rated Input Power	1250W
Input Wattage -Max	3.7 Amps
Maximum Depth of Cut	2 mm
Max planing width	152 mm
Min Timber Size -Thicknesser	5-120 mm
Fence Angular Movement	90° - 135°
Cutter Speed	8700 rpm
Dust Extraction Port Diameter	50 mm
Weight	22 kg
Dimensions	693 x 437 x 357 mm
Table Dimensions	660 x 160 mm
Sound Power level-measured	103.4 dBLwA

## 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.

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# SAFETY WARNINGS

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**WARNING: READ ALL SAFETY WARNINGS AND ALL INSTRUCTIONS. FAILURE TO FOLLOW THE WARNINGS AND INSTRUCTIONS CAN RESULT IN ELECTRIC SHOCK, FIRE AND/OR INJURY.**

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Save all warnings and instructions for future reference.

The term “power tool” in the warnings refers to your mains-operated electric planer.

## WORK AREA SAFETY

1. **Keep work area clean and well lit.** Cluttered or 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 can 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. Do not modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
2. **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
3. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **Do not abuse the cable. Do not use the cable for carrying, pulling or unplugging the power tool.** Keep cable away from heat, oil, sharp edges or moving parts. Damaged or entangled cables increase the risk of electric shock.
5. **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.
6. **If operating a power tool in a damp location is unavoidable,** use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

## 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 can result in personal injury.
2. **Use personal protective equipment. Always wear eye and ear protection.** Protective equipment such as dust mask, non-skid safety shoes or hearing protection used for appropriate conditions will reduce personal injuries. This machine develops considerable noise when in use. ALWAYS wear Ear Defenders.
3. **Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source.**
4. **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool can 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 correctly. Do not wear loose clothing or jewelry. Keep your hair, and clothing away from moving parts.** Loose clothes, jewelry or long hair can be caught in moving parts.
7. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and correctly used.** Use of dust collection can reduce dust-related hazards.

## POWER TOOL USE AND CARE

1. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for 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 making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
4. **Store idle power tools out of the reach of children and do not let persons unfamiliar with the power tool or these instructions to operate the power tool.** 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 can 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. **Keep cutting tools sharp and clean.** Sharp cutting edges are less likely to bind and are easier to control.
7. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

## SERVICING

1. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

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## PLANER SAFETY WARNINGS

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1. **Always start the planer before the blade is in contact with the workpiece and let the blade reach full speed.** The tool can vibrate or chatter if blade speed is too slow at beginning of the cut and possibly kickback.
2. **Check the workpiece for nails or screws. If there are nails/screws, either remove or set them well below intended finished surface.** Kickback, damage to the blades and personal injury can result if the planer blades strike objects like nails.
3. **After changing blades, rotate the blade drum to make sure the blades are not hitting any part of the housing and that the blade locking screws are tight.** Spinning blades could strike the tool housing and damage the machine as well as causing possible injury.
4. **Do not put your fingers or any objects into the shavings exhaust port or clean out shavings while the tool is running.** Contact with blade will cause injury.
5. **Disconnect from the power source if it becomes necessary to remove woodchips.** The blades are hidden from view and you may be cut if the blade is touched.
6. **Do not use dull or damaged blades. Sharp blades must be handled with care.** Damaged blades can snap during use.
7. Regularly check to ensure the 'Anti-Kickback pawls operate correctly.
8. NEVER plane a piece of wood without the Cutter Guard completely covering any exposed Cutter Blade
9. ALWAYS ensure the blades are properly secured in the cutter block before use.

## ELECTRICAL CONNECTIONS



**WARNING: READ THESE ELECTRICAL SAFETY INSTRUCTIONS FULLY BEFORE CONNECTING THE TOOL TO THE MAINS SUPPLY.**

This product is provided with a standard 13 amp, 230 volt (50Hz), BS 1363 plug, for connection to a standard, domestic electrical supply. If the plug needs changing, make sure that a plug of identical specification is used.

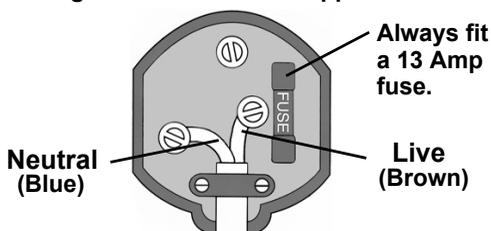


**WARNING: THE WIRES IN THE CABLE ARE COLOURED AS FOLLOWS:  
BLUE = NEUTRAL    BROWN = LIVE    YELLOW AND GREEN = EARTH**

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

- Connect the **blue** wire to the terminal which is marked **N**.
- Connect the **brown** wire to the terminal which is marked **L**.
- Connect the yellow and green wire to the terminal which is marked **E** or .

**Plug must be BS1363/A approved.**



**Always fit a 13 Amp fuse.**

**make sure that the outer sheath of the cable is firmly held by the clamp**

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

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

### EXTENSION CABLES

Always use an approved extension cable suitable for the power rating of this tool (see specifications), the conductor size must be at least the same size as that on the machine, or larger.

# UNPACKING AND PARTS IDENTIFICATION

Carefully unpack the components and lay them out, checking against the following list. Should any part be missing or damaged in transit, please contact your Clarke dealer immediately.

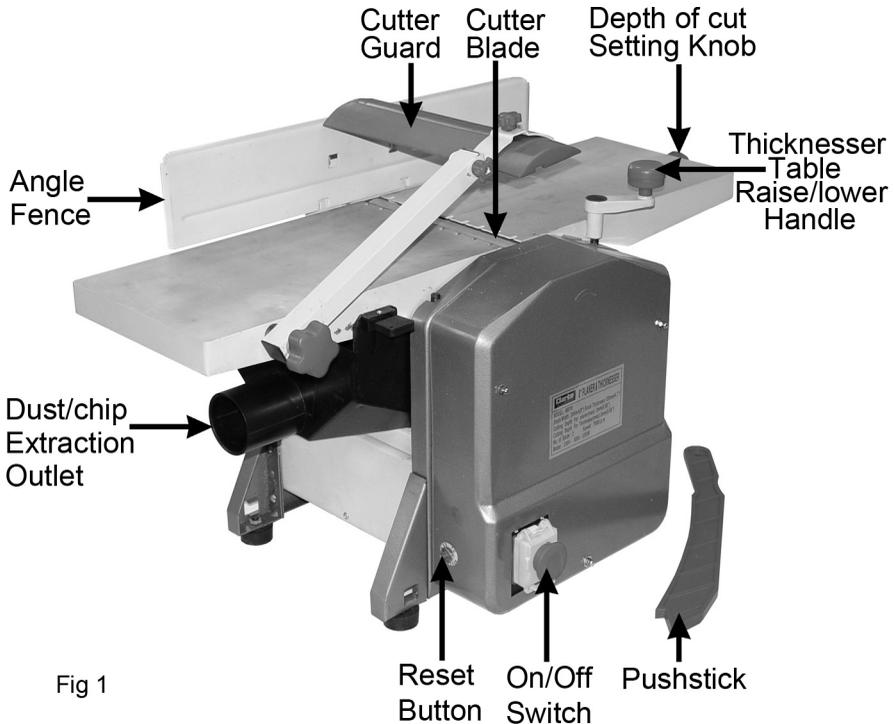


Fig 1

## CONTENTS

- 1 x Planer/Thicknesser
- 1 x Side Fence
- 1 x 5mm Allen Key
- 1 x Thicknessing Table Raise/Lower Handle
- 1 x Push Stick
- 1 x Dust Extraction Chute
- 2 x Spare Drive Belts

## ASSEMBLY AND INSTALLATION

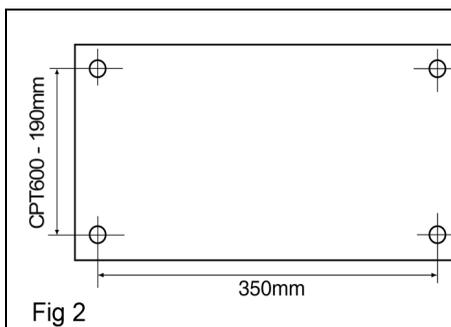
Ensure the planer is located where there is adequate light and a suitable power supply. If cable extension is used, ensure it does not trail along the workshop floor as this could be extremely hazardous.

There must be sufficient room for the workpiece to move through its entire length.

Similarly, there must be sufficient room so that the operator does not need to stand in line with the wood during the planing process.

The planer may be used as a mobile unit, but for greater stability we recommend it is bolted to a strong, firm workbench. The dimensions for the mounting holes are shown:

Alternatively, mount the planer on a strong piece of plywood of at least 15mm in thickness, with length 550mm and width 380mm minimum. The plywood platform, with planer mounted, is then clamped firmly to a workbench when required.

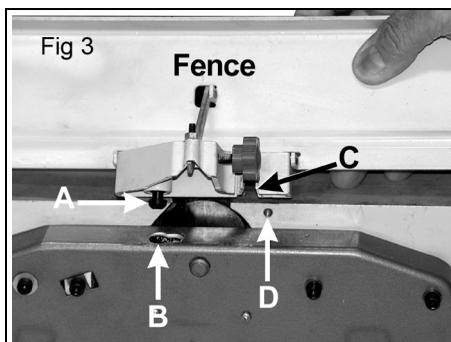


### ATTACHING THE ANGLE FENCE

The peg - 'A' locates in the slotted hole - 'B'. It may be necessary to screw the peg down a little in order for the peg to locate properly.

The Hex. socket head screw with washers (in the bag of loose parts), is used to secure the fence to the table, through slot 'C', into threaded hole 'D'.

The fence may be set and locked at any angle. Use a template or angle gauge if accuracy is required.



## ATTACHING THE TABLE ADJUSTMENT HANDLE

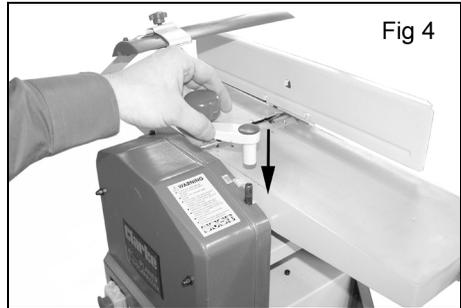
Slide the table adjustment handle (16) onto the shaft (see Fig. 4).

To raise or lower the table.

Adjust the thicknesser table by turning the table adjustment handle:

Lower the table - Turn anticlockwise.

Raise the table - Turn clockwise.

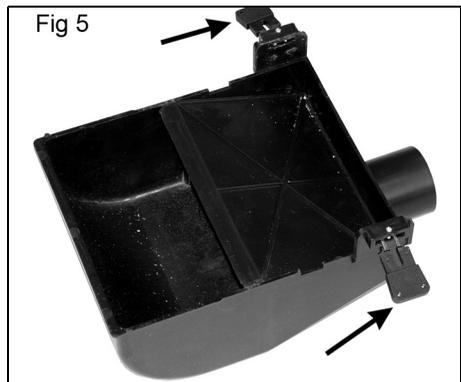


## ATTACH THE DUST/CHIP EXTRACTION CHUTE

**IMPORTANT:** Please note that the Dust Chute **MUST ALWAYS** be in place; the machine will not operate if it is removed.

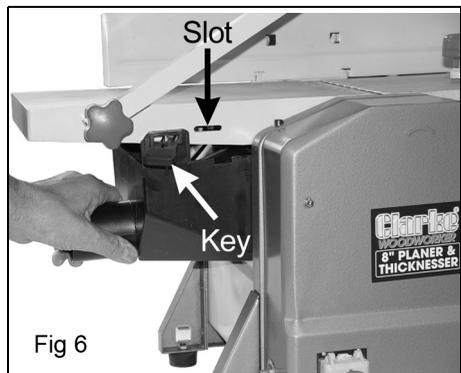
### A. FOR PLANING

Lower the Thicknesser Table as far as possible by turning the table adjustment handle (see Fig.4) fully anticlockwise.



Pull out the two locking keys (arrowed in Fig.5) and manoeuvre the chute into the space beneath the table.

Ensure both locking keys are pushed firmly into the slots in the table, shown in Fig 6.i

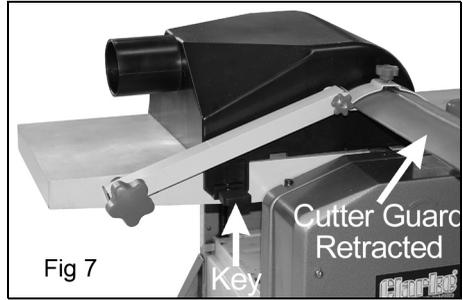


## **B. FOR THICKENING**

B.1 Remove the Angle Fence.

B.2 Push the Cutter Guard out of its holder so that the Chute may be attached to the table, as shown in Fig.7.

Ensure both locking keys are pushed firmly into the slots in the table, shown in Fig.6.

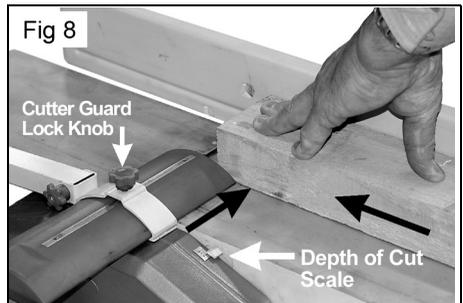


## **OPERATION**

### **PLANING**

**ENSURE the timber is completely free of nails, screws and staples etc. before use.**

1. Set the depth of cut, using the Depth of Cut Setting Knob - see Fig.1. Turn anti-clockwise to increase the cutting depth, clockwise to decrease, using the scale, indicated in Fig. 8, as a reference. For the initial cut, we recommend a depth of cut of no more than 1mm. The maximum depth of cut is 2mm.
2. Ensure the fence is at the correct angle - for normal planing, this would be 90 degrees. For other angles, use a template or angle gauge for greater accuracy.
3. Slide the cutter guard out of the way and place the workpiece on the table so that it rests snugly against the fence, with the lead edge a short distance from the cutter, noting that the direction of feed is right to left, looking from the front of the machine.
4. Slide the cutter guard up to lightly touch the workpiece as shown in Fig.8, thereby completely covering any exposed cutter. Ensure the guard is as low as possible and the Cutter Guard Lock Knob is tightened.
5. Raise the cover of the ON/OFF switch and press the green ON button, marked 'I', and allow the machine to come up to full speed.

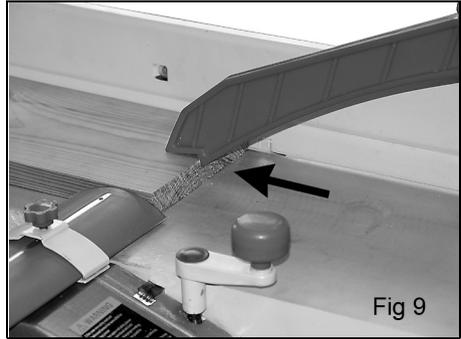


6. Applying firm downwards pressure and keeping the workpiece against the fence, proceed to feed the work over the cutter. Do not feed too quickly.

**IMPORTANT: When coming to the end of a piece, ALWAYS use the push stick to finish - see Fig.8. This is an important safety point.**

7. To switch OFF, simply press the red button marked 'O' and close the cover ensuring it is properly latched.

When finished, remove all shavings and sawdust from the machine and surrounding area and dispose of safely, accumulation of dust and shavings is a fire hazard and should not be allowed to build up.



#### **NOTES:**

1. In case of emergency, hit the switch cover firmly and quickly. The cover will latch down and motor will be switched OFF.
2. The ON/OFF switch is a "No Volt Release" type, so that in the event of a power failure the machine will not restart automatically once the power is restored.

## **THICKNESSING**

1. Lower the thicknessing table sufficiently for the workpiece to be inserted beneath the cutter blade, ensuring the blade is at 6 o'clock. Work enters from the left and exits at the right of the machine.
2. Raise the table until there is slight resistance. i.e. the work just touches the blade.
3. Withdraw the workpiece, then wind the table upwards - turn clockwise, using the Raise/Lower Table knob, to the appropriate cutting depth, noting that one turn is equivalent to 3mm. Do not exceed 2mm depth of cut as this could cause kickback, and/or damage to the components or overheating of the motor.

**NOTE:** It is advisable when working with rough or warped wood to make very small depths of cut to begin with - 1mm should be sufficient.

4. Support the workpiece at the desired height, so that it is horizontal and feed it into the cutter, from the left hand side of the machine. The rollers will automatically feed the work past the kick-back pawls and into the cutter blade. Ensure it is well supported at the outlet side.

**DO NOT remove chips or shavings from the table until the machine has stopped completely and is isolated from the mains supply.**

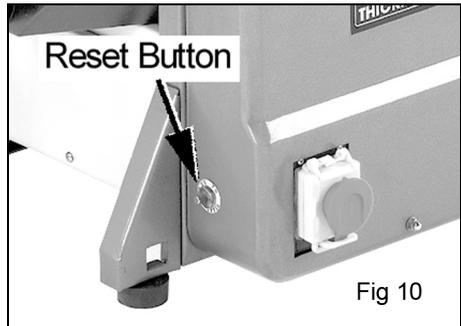
**NOTE:**

1. The workpiece should always be 2-3 inches longer than the finished length as the ends tend to be uneven.
2. The table should be lubricated with wax, frequently to ensure smooth operation.

**RESET BUTTON**

The planer is fitted with an thermal overload protector. If the motor stops running or fails to start.

1. Close the safety switch cover and allow the motor to cool for five minutes.
2. Press the reset button.
3. Raise the cover of the ON/OFF switch and press the green ON button, marked 'I'.



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**MAINTENANCE**

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Always disconnect the machine from the mains supply before cleaning or performing maintenance tasks.

This product is designed to operate with minimum of maintenance, however, as with all power tools, cleanliness is essential in ensuring work is carried out to a satisfactory standard. Always keep the table free of shavings/dust etc., and clean the machine thoroughly after use. Use a low pressure air supply to blow dust from air vents and other parts wherever possible.

Apply a thin film of wax to the table periodically. This will help keep the table clean and allow the workpiece to slide more easily.

Do not use solvents to clean the machine as this could damage plastic components.

**CUTTING BLADE REMOVAL**

Cutter blades will require sharpening or replacing. Care should be taken at all times when handling them, they are very sharp, even when appearing to be dull.

Blades must always be fitted as a pair and must be of the same type. Only fit blades recommended by the Clarke International.

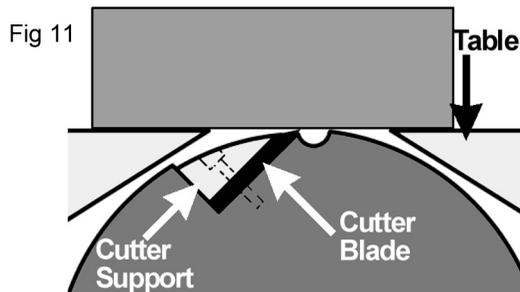
First, ensure the machine is switched OFF and isolated from the mains supply.

1. Turn the cutter height adjuster so that it registers zero. i.e. turn the knob clockwise so that the depth of cut, registered on the scale, is zero.
2. Remove the Angle Fence.
3. Raise the Cutter Guard arm.
4. Turn the cutter block to reveal the four hex. socket head screws securing the cutter blade, then carefully remove them.
5. Turn the cutter block by 180 degrees and repeat the process.

**NOTE:** ALWAYS hone/replace cutter blades as a pair.

6. Replace in reverse order, and, using a straight edge, ensure the cutting edges are level and in line with the table when they are at 12 o'clock - see Fig.10. Tighten the securing screws taking care not to over-tighten or damage the hex. sockets.

**NOTE:** It is recommended that sharpening is done professionally, using a jig, as blades must be sharpened as a pair to ensure they are correctly balanced. This avoids the possibility of vibration due to imbalanced cutters rotating at speed.



## PERIODICALLY

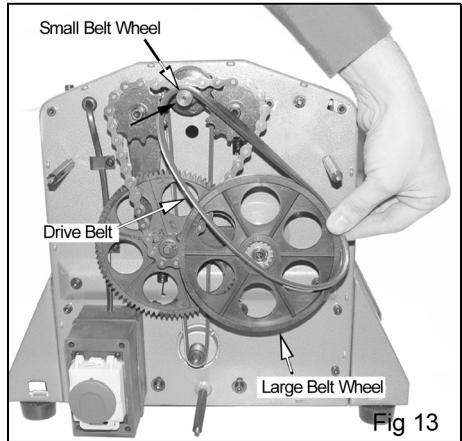
- Wipe both the infeed and outfeed rollers with a damp cloth to remove all traces of contaminants.
- Wax the thicknesser table frequently to ensure a smooth and reliable feed.
- Inspect the kickback pawls before each operation to ensure they are intact and working properly. They should hang normally and loosely.
- Remove the front cover - 3 dome head nuts, and lightly oil all pivots, linkages and bearings with good quality machine oil. Ensure the enclosure and all components are perfectly clean before replacing the cover.

## DRIVE BELT REPLACEMENT

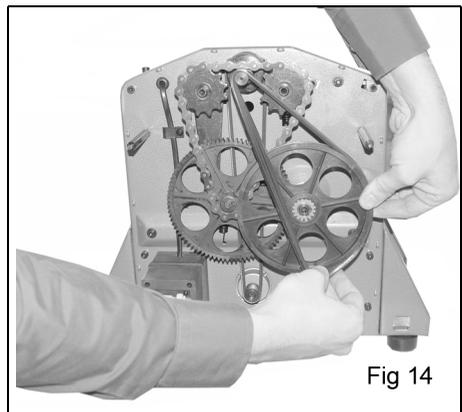
1. Remove the front cover - 3 nuts.
2. Remove the worn or broken drive belt.



3. Place the replacement drive belt over the small belt wheel.
4. Position part of the drive belt over the large belt wheel as shown in fig 13.



5. Rotate the large belt wheel by hand in a clockwise direction whilst guiding the belt on to the belt wheel shown in fig 14.



# DECLARATION OF CONFORMITY



**Clarke**<sup>®</sup>  
**INTERNATIONAL**

Hemnoll 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 directive(s):

- 2014/30/EU      *Electromagnetic Compatibility Directive.*  
2006/42/EC      *Machinery Directive.*  
2011/65/EU      *Restriction of Hazardous Substances (amended by (EU) 2015/863).*

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

- EN 61029-1:2009+A11:2010, EN 61029-2-3:2011, EN 55014-1:2017, EN 55014-2:2015,  
EN 61000-3-2:2019, EN 61000-3-11:2000.

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities. Annex IV: Notified Body: TUV Rheinland LGA Products GmbH, Tillystrabe 2- 90431 Nurnberg, Germany. EC Type-Examination Certificate No.: BM50482170 0001. Notified Body No.: 0197

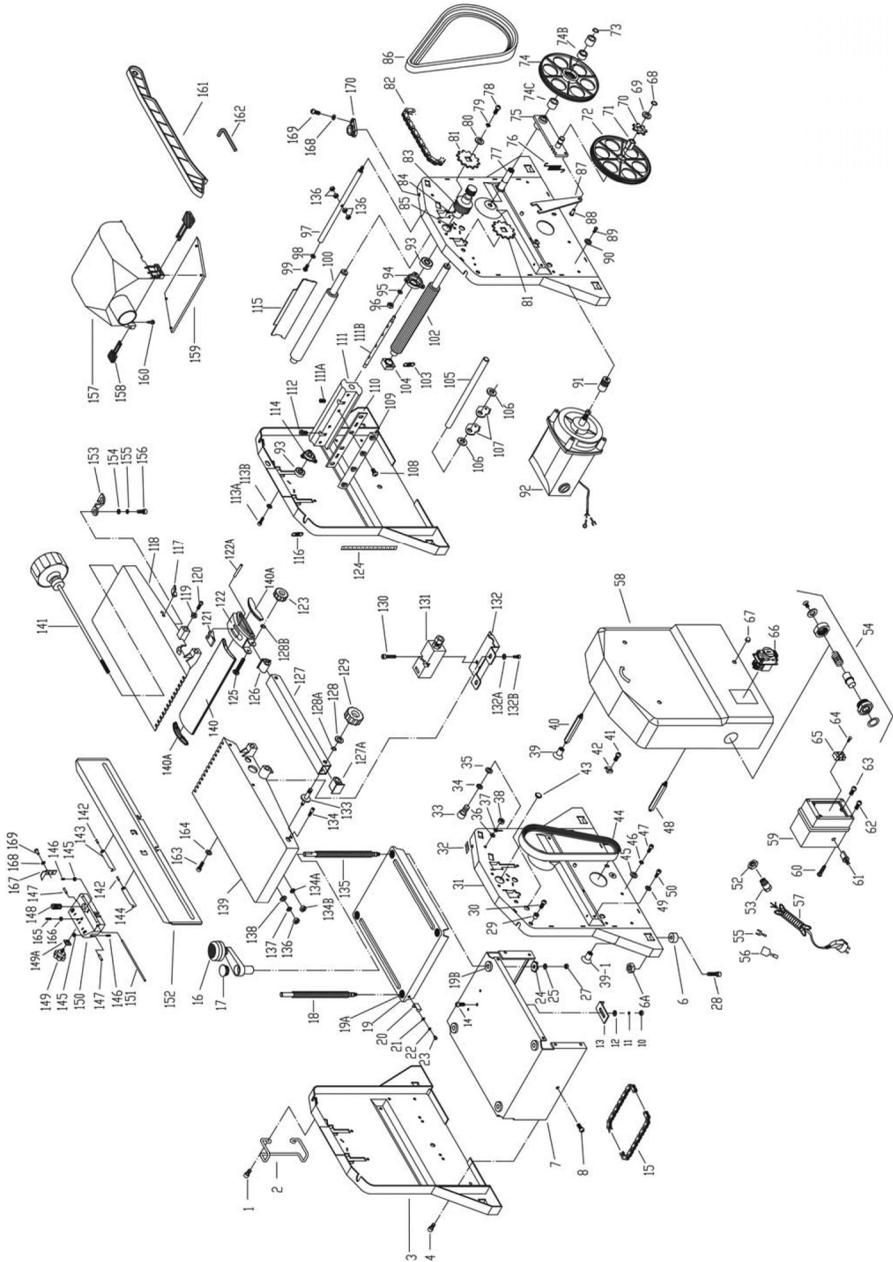
The CE mark was first applied in: 2006

**Product Description:**              Planer / Thicknesser  
**Model number(s):**                CPT600  
**Serial / batch Number:**        N/A  
**Date of Issue:**                    12/01/2021

Signed:

J.A. Clarke  
Director

# CPT600 COMPONENT PARTS



## CPT600 COMPONENT PARTS

No	Description
1	Bolt
2	Cable stowage bracket
3	Side cover
4	Bolt
5	Locking washer
6	Rubber foot
6A	Nut
7	Motor cover
8	Bolt
10	Nut
11	Locking washer
12	Washer
13	Angle plate
14	Bolt
15	Chain
16	Crank
17	Plug
18	Threaded spindle-short
19	Table
19A	Threaded spindle nut
19B	Sleeve
20	Pointer
21	Washer
22	Locking washer
23	Bolt
24	Chain wheel
25	Washer
26	N/A
27	Nut
28	Bolt
60	Bolt

No	Description
29	Sleeve
30	Bolt
31	Side plate (left)
32	Cutting depth scale
33	Bolt
34	Locking washer
35	Washer
36	Washer
37	Locking washer
38	Nut
39	Bolt
40	Rod (long)
41	Bolt
42	Cable clamp
43	Rubber buffer
44	Flat belt
45	Washer
46	Locking washer
47	Bolt
48	Rod (long)
49	Washer
50	Bolt
52	Plastic locknut
53	Strain relief
54	Reset button assembly
55	Locking line
56	Rubber set
57	Power cable
58	Protective hood
59	Switch box
93	Grooved ball bearing

No	Description
61	Thermo-protector
62	Bolt
63	Bolt
64	Bolt
65	Terminal
66	Switch
67	Nut
68	Locking ring
69	Washer
70	Chain wheel
71	Square sleeve
72	Gear wheel
73	Locking ring
74	Belt wheel
74B	Lantern ring
74C	Needle bearing
75	Pivot plate
76	Retracting spring
77	Arbor
78	Bolt
79	Locking washer
80	Washer
81	Chainwheel
82	Chain
83	Belt disc
84	Bolt
85	Bolt
86	Flat belt
87	Supporting plate
88	Post
91	Motor belt wheel
92	Motor
124	Scale

No	Description
94	Bearing cover
95	Locking washer
96	Nut
97	N/A
98	Washer
99	Bolt
100	Outfeed roller
102	Infeed roller
103	Retracting spring
104	Bearing bush
105	Rod
106	Washer
107	Ratchet
108	Bolt
109	Clamping device
110	Cutting blade
111	Cutter block
111A	Bolt
111B	Arbor
112	Bolt
113A	Bolt
113B	Washer
114	Bearing cover
115	Sheet metal deflector
116	Retracting spring
118	Front table top
119	Sliding block
120	Bolt
121	Hand knob
122	Cutter guard holder
122A	Pin
123	Hand knob
143	Angle fence plate

No	Description
125	Stud bolt
126	Cover
127	Square tube
127A	Cover
128	Washer
128A	Locking ring
128B	Locking ring
129	Hand Knob
130	Bolt
131	Limit Switch
132	Switch cover
132A	Washer
132B	Bolt
133	Stud bolt
134	Stop screw
134A	Locking washer
134B	Nut
135	Threaded spindle (long)
136	Nut
137	Locking washer
138	Washer
139	Rear table top
140	Cutter guard
140A	Guard cap
141	Spindle
142	Stalk-short

No	Description
145	Nut
146	Bolt
147	Nut
148	Bolt
149	Hand knob
150	Angle piece
151	Stalk-long
152	Guide fence
153	Clamp plate
154	Washer
155	Locking washer
156	Bolt
157	Dust collector
158	Key assembly
159	Cover
160	Bolt
161	Push stick
162	Hex wrench
163	Bolt
164	Washer
165	Screw
166	Nut
167	Pointer
168	Washer
169	Bolt
170	Guide block

## GUARANTEE

The product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Your receipt is required as proof of purchase. This guarantee is invalid if the product is found to have been abused, tampered with, or not used for the purpose for which it was intended.

Faulty goods must be returned to their place of purchase, do not return it to us without prior permission. This guarantee does not effect your statutory rights.

# A SELECTION FROM THE VAST RANGE OF

# Clarke®

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## PARTS & SERVICE: 0208 988 7400

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