



Woodworking machinery at its best!

8" x 5" PLANER THICKNESSER OWNERS MANUAL

MODEL: PT200B



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GENERAL SAFETY RULES



WARNING: Do not attempt to operate the machine until you have read thoroughly and understood completely all instructions, rules, etc. contained in this manual. Failure to comply may result in accidents involving fire, electric shock, or serious personal injury. Keep this owner's manual and review frequently for continuous safe operation.

1. Know your machine. For your own safety, read the owner's manual carefully. Learn its application and limitations, as well as specific potential hazards pertinent to this machine.
2. Make sure all tools are properly earthed.
3. Keep guards in place and in working order. If a guard must be removed for maintenance or cleaning, make sure it is properly replaced before using the machine again.
4. Remove adjusting keys and spanners. Form a habit of checking to see that all keys and adjusting spanners are removed from the machine before switched it on.
5. Keep your work area clean. Cluttered areas and workbenches increase the chance of an accident.'
6. Do not use in dangerous environments. Do not use power tools in damp or wet locations or expose them to rain. Keep work areas well illuminated.
7. Keep children away. All visitors should be kept a safe distance from the work area.
8. Make workshop childproof. Use padlocks, master switches and remove starter keys.
9. Do not force the machine. It will do the job better and be safer at the rate for which it is designed.
10. Use the right tools. Do not force the machine or attachments to do a job for which they are not designed. Contact the manufacturer or distributor if there is any question about the machine's suitability for a particular task.
11. Wear proper apparel. Avoid loose clothing, gloves, ties, rings, bracelets, and jewellery which could get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.
12. Always use safety glasses. Normal spectacles only have impact resistant lenses. They are not safety glasses.
13. Do not over-reach. Keep proper footing and balance at all times.
14. Maintain the machine in good condition. Keep the machine clean for best and safest performance. Follow instructions for lubrication and changing accessories.
15. Disconnect the machine from power source before servicing and when changing the blade.
16. Never leave the machine running unattended. Turn the power off. Do not leave the machine until it comes to a complete stop.
17. Do not use any power tools while under the effects of drugs, alcohol or medication.

18. Always wear a face or dust mask if operation creates a lot of dust and/or chips. Always operate the tool in a well ventilated area and provide for proper dust removal. Use a suitable dust extractor.

ADDITIONAL RULES FOR PLANER/THICKNESSERS

1. This machine is designed for use with wood. Attempting to plane or thickness any other materials will result in damage to the machine, potential fire risk and/or health hazards.
2. The machine is designed for indoor use only.
3. Connection to a suitable dust extraction system is highly recommended. If you must use the machine on its own, you will need to stop it, unplug it from the mains and thoroughly clean it at regular intervals. Continuing to use the machine when it is clogged with shavings will result in damage to it, potential fire risk and/or health hazards.
4. The machine should be bolted to a bench or suitable stand.
5. Always hold the work firmly on to the table, using the push pads provided.
6. Never use the planer/thicknesser with the guard and/or dust hood removed.
7. If planing or thicknessing a long piece of timber, provide additional support at the same height as the table.
8. Switch the machine off and unplug it before removing any debris.
9. Be aware of the possibility of kickback.
10. Do not modify this machine in any way or use it or anything other than its designated purpose. Neither the manufacturer nor the suppliers will be liable for any damage or injury caused by incorrect assembly, operation or electrical connection of this machine.



Risk of Injury!
Never reach into
a running cutterblock



Eye
Protection



Ear
Protection

Charnwood PT200B Specification

Voltage and frequency	240V at 50hz.
Motor (Carbon brush)	1250w (1.6hp)
Planer width	204mm (8")
Maximum planing cut	2.0mm
Work Table	740mm x 204mm
Table height	355mm
Fence tilt	90 to 135°
Max thicknessing cut	2.0mm
Thicknessing capacity	6 to 120mm
Feed speed	8 m/min
Number of blades	2
Cutter block rotation	8,000 rpm
Assembled Dimensions (WxDxH)	780mm x 490mm x 460mm
Weight	21kg
Rating	Hobby
Warranty	5 Year

Rating Description

Hobby: Suitable for Weekend DIY'ers and woodworking enthusiasts.

Generally lighter weight machines with lower power ratings and smaller tooling capacities. Typically only ever used by one person for short periods of time or longer periods of time infrequently. Machinery should be well maintained in a clean, dry environment such as a home workshop, garage or timber shed. **Expected maximum use of 100 hours annually.**

Please Note: Using a product in excess of its rating will void the manufacturer's free warranty.

Unpacking



Open the carton and remove the top half of the polyfoam packaging.

Unpack the loose items and lift the body of the machine onto a bench.



Fit the Thicknessing Bed Height Adjuster handle onto the shaft

Rotate anticlockwise to lower the thicknessing bed

Remove the Guide Fence which sits on the bed during shipping.



Remove the 4 support braces.

These are used for transport only.



Lay out the loose parts and familiarise yourself with them.

Read the manual.

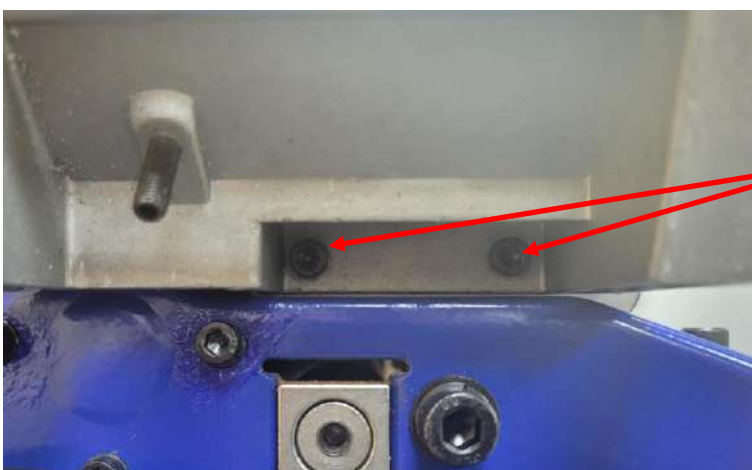
Please do not dispose of the packaging until you have fully assembled and tested the machine.

In the unlikely event there is a fault, you will need to re-use the packaging.

Assembly



Locate two tapped holes on the side edge of the Outfeed Table



Fit the Guide Fence to the table, using the two M5 x 20mm cap head bolts.



The dust extraction hood has a 63mm diameter outlet for connecting the extractor hose.

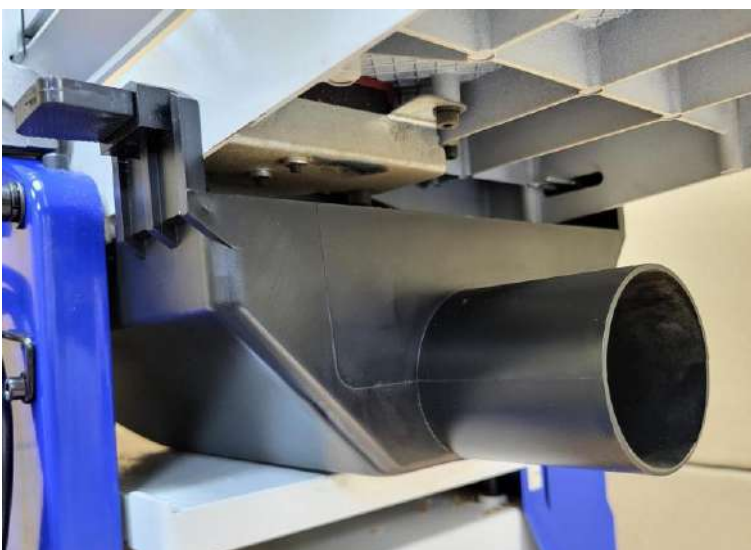
If you are using a 100mm diameter dust extractor hose, use our 2 fittings 63FC Rubber Cuff and 100/63RC Reducer, to convert the outlet.



PLEASE NOTE : THE MACHINE IS FITTED WITH AN INTERLOCKING SAFETY SWITCH AND WILL NOT RUN WITHOUT THE DUST EXTRACTION HOOD CORRECTLY FITTED

The hood can be fitted in two different ways, depending on what type of operation is being carried out: Planing or Thicknessing

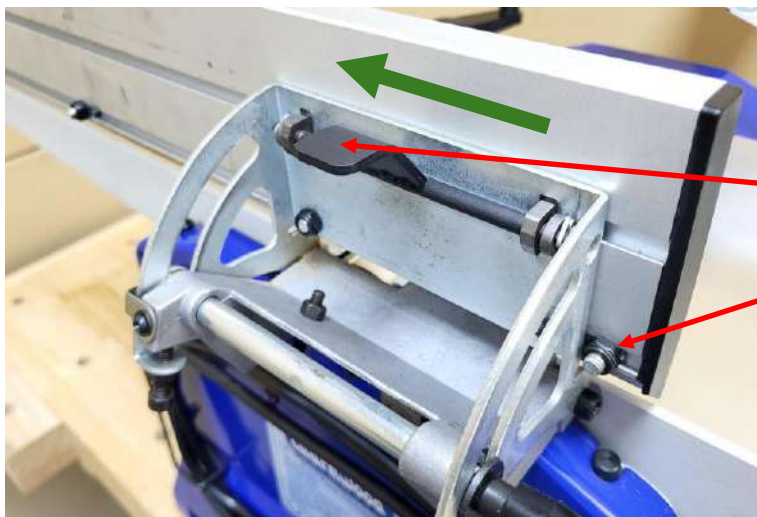
The hood is locked in place using two locking latches which push into a receiver. One located on each side of the Outfeed Table.



Planing Operations

Install the dust extraction hood underneath the Outfeed Table and locked in place by engaging the two latches.

Raise the thicknessing bed up until it touches the underside of the hood, holding it into position.



Thickening Operations

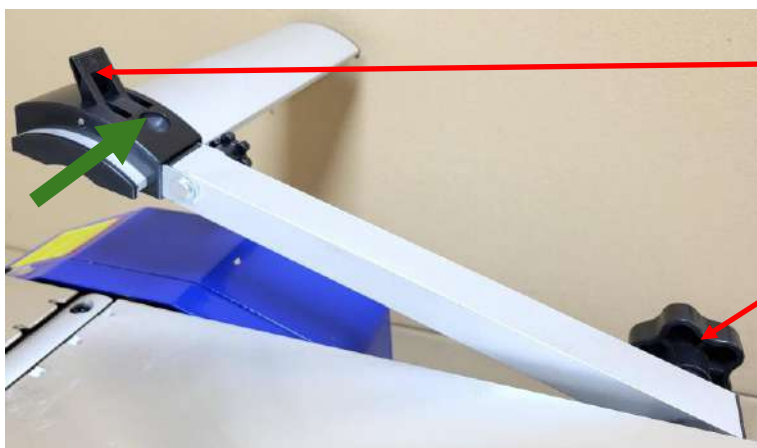
Install the dust extraction hood on top of the Outfeed Table.

Press down on the fence locking lever.

Slide the Guide Fence sideways until it reaches the end stop.



Loosen the Fence Angle Lock and lean the fence back to the 45 degree position.



Release the Bridge Guard Position Lock

Slide the Bridge Guard away from the Guide Fence.

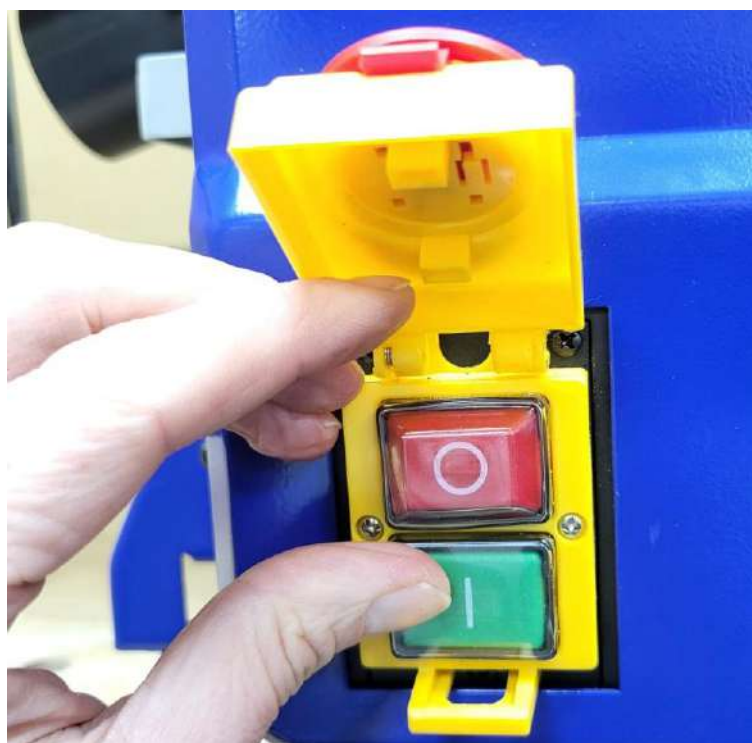
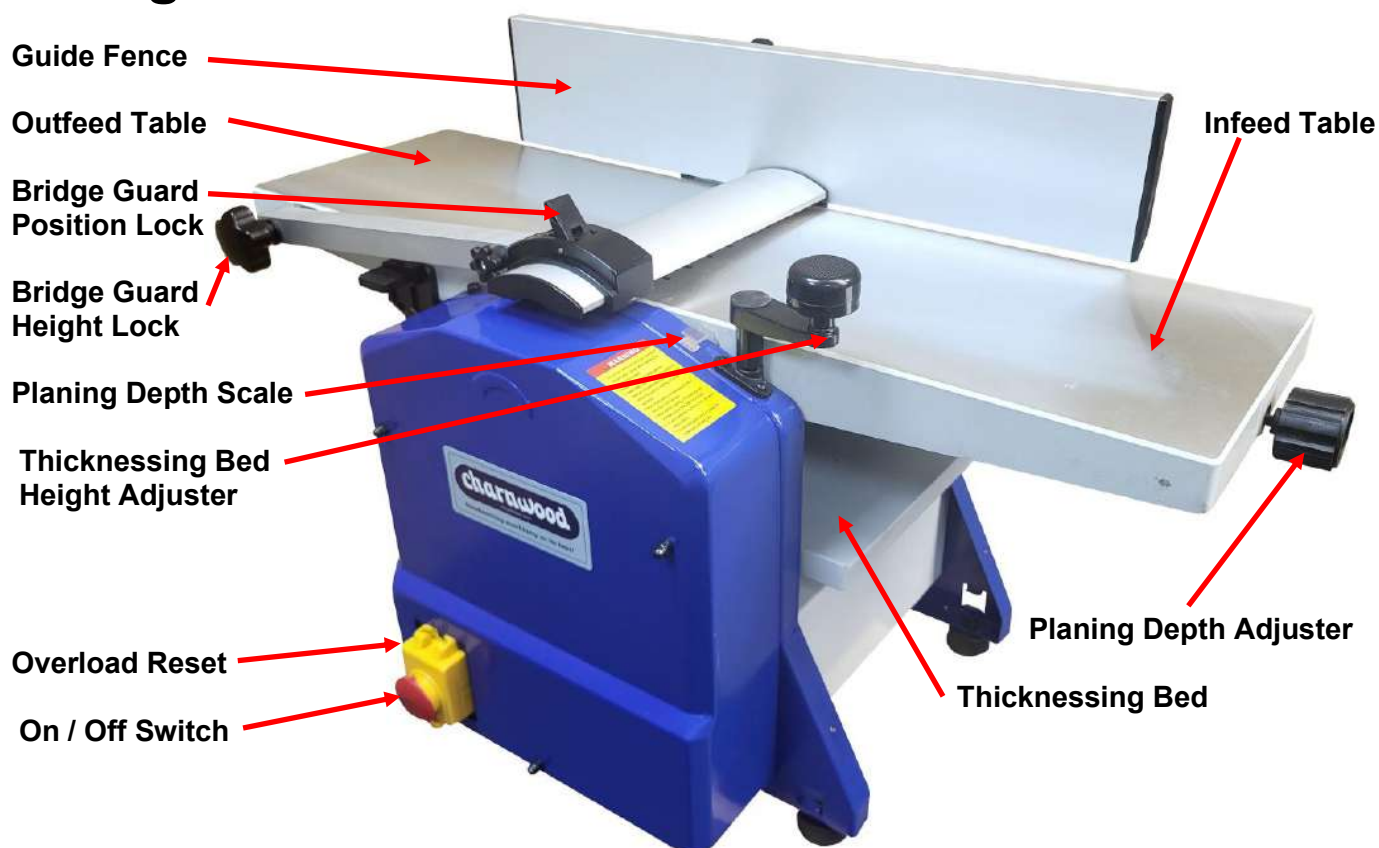
Undo the Bridge Guard Height Lock and raise the bridge guard arm to its full height.



Fit the dust extraction hood over the cutter block.

Lock in place by engaging the 2 side latches.

Using the Planer Thicknesser



Starting And Stopping

To start the motor, slide the red button upwards and raise the switch cover. Press the green button.

Wait for the knives to reach their maximum speed of rotation before commencing with the cut.

To stop the motor, press the switch cover.

The machine is fitted with overload protection. During prolonged use it may automatically cut off to protect the motor.

If this happens wait 10 minutes, for the motor to cool down, then press the Overload Reset button.

Planing Function

Standing with the switch side as the front. The direction of feed is Right to Left.
Fit the extraction hood under the outfeed table and clamp it into place.

Set The Angle Of The Guide Fence

The guide fence can be set to any angle from 90 to 45 degrees. There are adjustable pre-set stops for those two positions.

The guide fence angle is locked and unlocked by using this ratchet lever.

Other angles can be set by reading off the scale.

45 degree adjusting screw

90 degree adjusting screw

Set the Depth of Cut

Turn the Planing Depth Adjuster, located on the end of the infeed table, clockwise to decrease the depth of cut.
The planing scale shows 0.5mm increments from 0 to 2mm.

As a general rule: set the cutting depth at 1mm and, if necessary, make 2 or 3 passes until the desired result is achieved.

Position the bridge guard so it covers any exposed part of the knives.

Use the push stick to hold the work piece firmly down against the table, feed the work piece across the knives, onto the out-feed table.

When working with very thin material, set the bridge guard all the way across to the fence.

Then set the height of the bridge guard, so the work piece can pass underneath it.

Thickening Function

Standing with the switch side as the front. The direction of feed is Left to Right (opposite direction to planing). Fit the extraction hood on top of the outfeed planing table and secure in place.



Use the crank handle to adjust the height of the thickening bed to match the work piece.

The maximum depth of cut when thickening is 2.0mm. A feed height restrictor bar prevents a cut of more than 2.0mm being made.

Standing in front of the machine, hold the work piece so it is flat against the thickening bed and gently push forward.

Release the work piece when you will feel the drive roller take hold and feed it past the cutters.



Move around to the other end of the machine to support the piece by hand as a second drive roller feeds it out of the machine.

Repeat as many times as necessary to achieve the required finished dimensions of the piece.

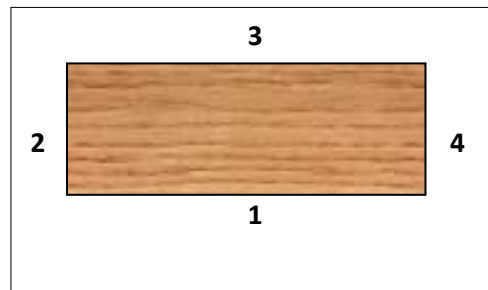
After each pass, rotate the crank handle. Rotating clockwise one full turn raises the bed by 3.0mm.

The actual dimension can be read from the thickness scale.

General Guide

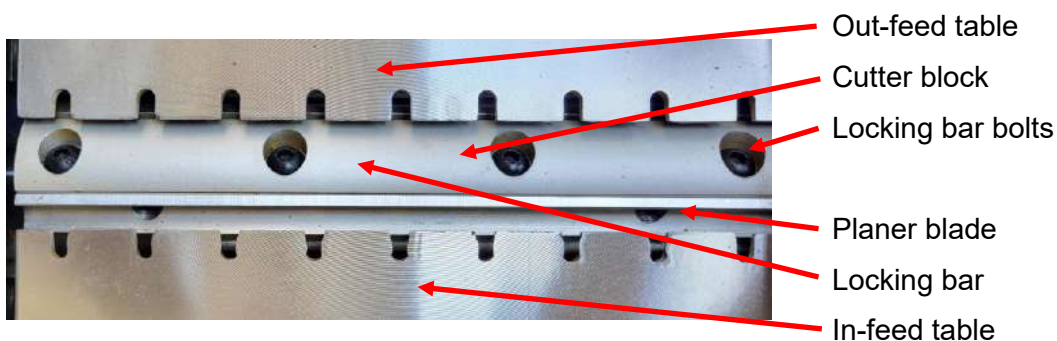
When faced with a rough sawn piece of timber which requires planing on all 4 sides and taking down to a specific finished dimension, follow this guide:

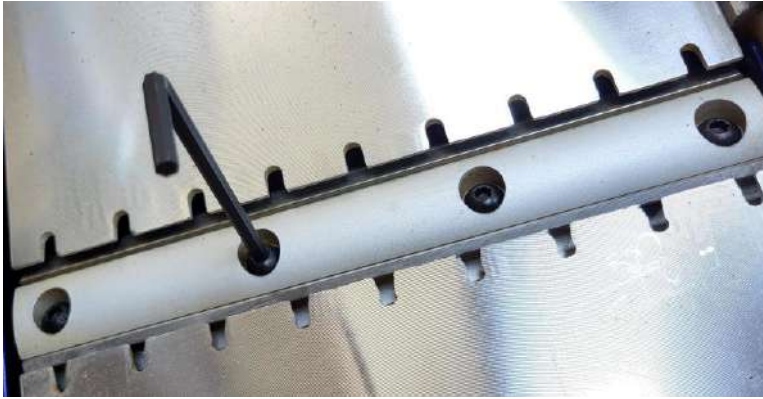
- Set the machine up for planing.
- Identify the flattest of the two wider faces on the timber. (Face 1 on diagram)
- Pass that side over the planer as many times as necessary until a flat and smooth finish is achieved.
- Hold the planed side firmly against the guide fence (set at 90 degrees to the bed) and pass the narrow side (Face 2 on diagram) over the planer as many times as necessary until a flat and smooth finish is achieved.
- You should now have two planed sides at 90 degrees to each other.
- Set the machine up for thicknessing.
- Pass the timber through the thicknesser with the wider, already planed side (Face 1 on diagram) facing down against the thicknessing bed. Continue until the desired thickness for the timber is reached.
- Finally, pass the timber through the thicknesser with the planed narrow side (Face 2 on diagram) facing down against the thicknessing bed. Continue until the desired thickness for the timber is reached.



Blade Removal and Replacement

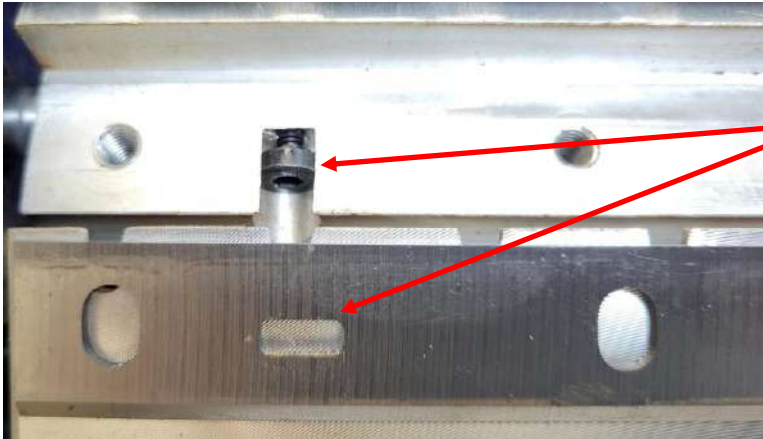
Disconnect from the power supply before starting any maintenance.





Using the 4mm hex key provided, undo the 4 locking bolts (turn anticlockwise)

Remove the bolts then lift out the locking bar and the planer blade.



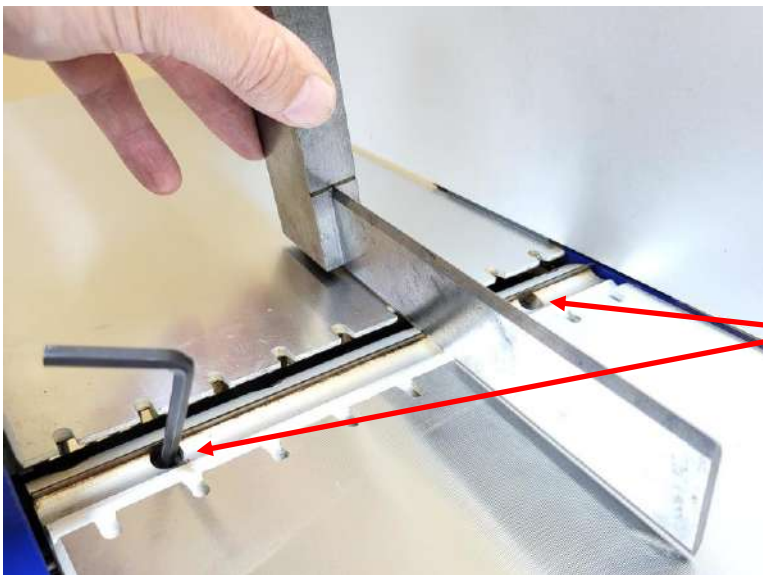
Place the new blade into the cutter block.

Make sure the slot in the knife sits over the knife height setting screw.



Once the new knife is in place, refit the locking bar.

Leave the bolts loose so the knife can still move.



Place a straight edge on the outfeed table with it sitting over the cutter block, rotated so that the tip of the blade is at its highest point in the arc.

Check the height of the tip of the new blade is flush with the surface of the outfeed table.

If necessary, use the hex key, to adjust the height of the blade by turning the knife height setting screws.

Tighten the 4 locking bar bolts and ensure it is firmly locked in place.

Repeat these steps for the second blade. Check that the blades do not contact the edge of the table.

Troubleshooting Guide

Problem	Cause	Remedy
Machine does not start	Blown Fuse	Replace Fuse
	Loose switch terminal	Inspect back of switch
	Faulty switch	Replace switch
	Guard not fitted	Re-fit the dust extraction hood ensuring the side latches are correctly engaged in the receiver.
Only starts when Green button is held down	Faulty switch	Replace switch
Machine runs intermittently	Worn carbon brushes in motor	Replace carbon brushes
Motor running but cutter block is not rotating	Broken or stretched drive belt	Replace drive belt
Motor slows down during the cut	Depth of cut is too great	Take a smaller cut
	Dust & Chip collector hood is blocked	Clear the blockage and ensure the extractor is functioning correctly
	Planing blades are blunt	Replace blades
Excess Vibration	Planing blades out of balance	Reset the height of the blades
Shuts off after a prolonged period of use	Overheating motor	Wait for the motor to cool down, then press the overload reset switch and start the machine.

Declaration of Conformity

Charnwood Declare that Woodworking Planer & Thicknesser, Model PT200B

Conforms with the following EU Directives: Machinery Directive 2006/42/EC
EMC Directive 2014/30/EU

And further conforms to the machinery example for which the EC type examination Certificate No. BM 50707133 & AE 50541586 have been issued by TUV Rheinland LGA Products GmbH, Tillystrasse 2, 90431 Nurnberg.

I hereby declare that equipment named above has been tested and found to comply with the relevant sections of the above referenced specifications. The machinery complies with all essential requirements of the directives.

Signed:  Dated: 29/06/2026 Location: Leicestershire
Richard Cook, Director



Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.



Do not dispose of electric tools together with household waste material!
In observance of European Directive 2002/96/EC on waste electrical and electronic equipment (EEE) and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.
Your local refuse amenity will have a separate collection area for EEE goods

Charnwood PT200B Parts List

Part Number	Description	Qty
PT200B#001	Socket head screw M5 x 10mm	4
PT200B#002	Cord hook	2
PT200B#003	Rear wall plate	1
PT200B#004	Socket head screw M5 x 10mm	8
PT200B#005	Hex nut M8	4
PT200B#006	Foot	4
PT200B#007	Base	1
PT200B#008	Pan head screw	1
PT200B#009	Acorn nut M5	1
PT200B#010	Hex nut M5	2
PT200B#011	Lock washer M5	1
PT200B#012	Flat washer M5	1
PT200B#013	Chain tension wheel	1
PT200B#014	Shaft	1
PT200B#015	Chain	1
PT200B#016	Crank handle assembly	1
PT200B#017	Handle cap	1
PT200B#018	Screw	3
PT200B#019	Thickneser table	1
PT200B#020	Pointer	1
PT200B#021	Flat washer M5	1
PT200B#022	Hex nut M5	1
PT200B#023	Pan head screw M5 X 16MM	1
PT200B#024	Sprocket	4
PT200B#025	Flat washer M5	4
PT200B#026	Lock nut M5	4
PT200B#027	Cord clarp	1
PT200B#028	Socket head screw M8 X 12mm	4
PT200B#029	Positioning sleeve	4
PT200B#030	Socket head screw M5 x 20mm	4
PT200B#031	Front wall plate	1
PT200B#032	Scale	1
PT200B#033	Socket head screw M8 x 16mm	1
PT200B#034	Lock washer M8	1
PT200B#035	Flat washer	1
PT200B#036	Flat washer M8	1
PT200B#037	Lock washer M8	1
PT200B#038	Hex nut M8	1
PT200B#039	Rivet nut M5	3
PT200B#040	Hex bar	2
PT200B#041	Pan head screw M5 x 8mm	4
PT200B#042	Cord clarp	3
PT200B#043	Rubber bushing	2
PT200B#044	Belt	1
PT200B#045	Flat washer M5	4
PT200B#046	Lock washer M5	4

Part Number	Description	Qty
PT200B#047	Socket head screw M5 x 12mm	4
PT200B#048	Hex bar	1
PT200B#049	Flat washer M5	4
PT200B#050	Socket head screw M5 x 6mm	4
PT200B#051	Cable tie	1
PT200B#052	Plastic nut	3
PT200B#053	Cord bushing	3
PT200B#054	Reset button assembly	1
PT200B#055	Quick connecting terminal	4
PT200B#056	Insulation sleeve	4
PT200B#057	Power cord	1
PT200B#058	Cover	1
PT200B#059	Switch box	1
PT200B#060	Thread forming screw	2
PT200B#061	Circuit breaker	1
PT200B#062	Thread forming screw	4
PT200B#063	Thread forming screw	3
PT200B#064	Thread forming screw	2
PT200B#065	Terminal	1
PT200B#066	Switch	1
PT200B#067	Acorn nut M5	3
PT200B#068	Retaining ring 9mm	1
PT200B#069	Flat washer	1
PT200B#070	Sprocket	1
PT200B#071	Square bushing	1
PT200B#072	Gear	1
PT200B#073	Retaining ring 12mm	1
PT200B#074	Pulley with pinion	1
PT200B#074-02	Bushing	1
PT200B#074-03	Needle roller bearing	2
PT200B#075	Mounting plate assembly	1
PT200B#076	Spring	1
PT200B#077	Shaft	1
PT200B#078	Socket head screw M6 x 10mm	2
PT200B#079	Lock washer M6	2
PT200B#080	Flat washer M6	2
PT200B#081	Sprocket	2
PT200B#082	Chain	1
PT200B#083	Spindle pulley	1
PT200B#084	Set screw M6 x 6mm	2
PT200B#085	Socket head screw M5 x 12mm	3
PT200B#086	Belt	1
PT200B#087	Support plate	1
PT200B#088	Rivet M4 x 12mm	1
PT200B#089	Pan head screw	2
PT200B#090	Serrated washer	2

Part Number	Description	Qty
PT200B#091	Motor pulley	1
PT200B#092	Motor	1
PT200B#093	Ball bearing	2
PT200B#094	Bearing house	1
PT200B#095	Lock washer M5	3
PT200B#096	Hex nut M5	3
PT200B#097	Rod	1
PT200B#098	Flat washer M8	1
PT200B#099	Socket head screw M8 x 12mm	1
PT200B#100	Outfeed roller	1
PT200B#102	Infeed roller	1
PT200B#103	Spring	3
PT200B#104	Bearing block	5
PT200B#105	Shaft	1
PT200B#106	Spacer	22
PT200B#107	Kick-back pawl	21
PT200B#108	Socket pan head screw M6 x 16mm	8
PT200B#109	Blade clamber	2
PT200B#110	Blade	2
PT200B#111	Cutter block	1
PT200B#111-1	Set screw	4
PT200B#111-2	Spindle shaft	1
PT200B#112	Adjusting screw	4
PT200B#113	Socket head screw M5 x 10mm	3
PT200B#114	Bearing house	1
PT200B#115	Apron	1
PT200B#116	Lock washer M5	3
PT200B#117	Pointer	1
PT200B#118	Infeed table	1
PT200B#119	Guide bushing	4
PT200B#120	Socket head screw M5 x 20mm	4
PT200B#121	Lock knob	1
PT200B#122	Guard support	1
PT200B#122-1	Pin M3 x 30mm	1
PT200B#123	Lock knob	1
PT200B#124	Scale	1
PT200B#125	Carriage bolt	1
PT200B#126	Arm cap	1
PT200B#127	Support arm	1
PT200B#127-1	Cap	1
PT200B#128	Flat washer M8	1
PT200B#128-1	Retaining ring 8mm	1
PT200B#128-2	Retaining ring 6mm	1
PT200B#129	Arm lock knob	1
PT200B#130	Socket head screw M4 x 25mm	2
PT200B#131	Interlock switch	1
PT200B#132	Switch fixing plate	1
PT200B#132-1	Flat washer M5	4

Part Number	Description	Qty
PT200B#132-2	Socket head screw M5 x 8mm	4
PT200B#133	Shaft	1
PT200B#134	Pin	1
PT200B#134-1	Lock washer M4	1
PT200B#134-2	Hex nut M4	1
PT200B#135	Lifting screw	1
PT200B#136	Hex nut M6	1
PT200B#137	Lock washer M6	1
PT200B#138	Flat washer M6	1
PT200B#139	Outfeed table	1
PT200B#140	Cutterblock guard	1
PT200B#140-1	Guard cover	2
PT200B#141	Table adjusting screw	1
PT200B#142	Fixing plate	1
PT200B#143	Flat washer M5	2
PT200B#144	Lock washer M5	2
PT200B#145	Socket head screw M5 x 12mm	2
PT200B#146	Dust chute assembly	1
PT200B#147	Pan head screw M4 x 8mm	2
PT200B#148	Flat washer M4	2
PT200B#149	Guide block	1
PT200B#150	Push stick	1
PT200B#151	Hex wrench 4mm	1
PT200B#152	Fence assembly	1
PT200B#152-1	Left fence cover	1
PT200B#152-2	Hex bolt	4
PT200B#152-3	Nut	4
PT200B#152-4	Angle support plate	1
PT200B#152-5	Screw	2
PT200B#152-6	Lock handle	1
PT200B#152-7	Flat washer M6	1
PT200B#152-8	Fence support	1
PT200B#152-9	Socket head screw	2
PT200B#152-10	Hex nut M5	1
PT200B#152-11	Pan head screw M4 x 8mm	1
PT200B#152-12	Flat washer M4	1
PT200B#152-13	Pointer	1
PT200B#152-14	Hex head bolt	1
PT200B#152-15	Rod	1
PT200B#152-16	Spring pin	1
PT200B#152-17	Lock lever	1
PT200B#152-18	Lock block	2
PT200B#152-19	Pin	2
PT200B#152-20	Hex nut M5	1
PT200B#152-21	Hex head bolt M5 x 20mm	1
PT200B#152-22	Sliding screw	2
PT200B#152-23	Fence	1
PT200B#152-24	Right fence cover	1

Charnwood PT200B Parts Diagram

