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**W446**

**RTS-250B SAW BENCH**

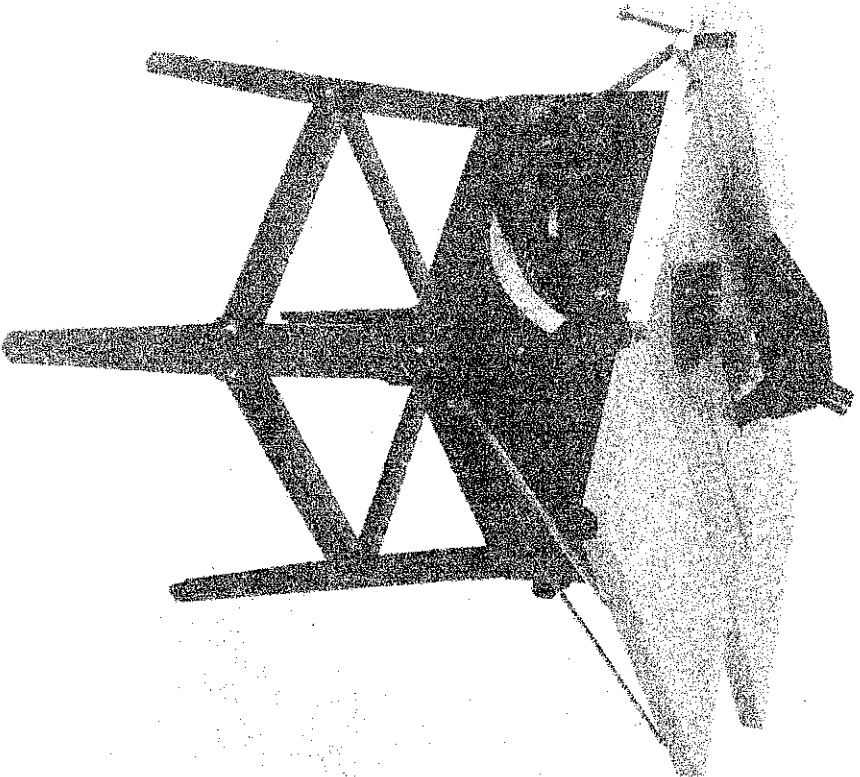
**MANUAL**

**28-03-2011**

# 254mm TABLE SAW

RTS 250B

Operating Instruction



**Note** Read these instructions carefully before commissioning and operating this table saw.

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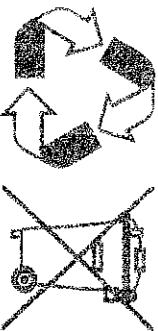
## INTRODUCTION

Your new Performance Power tool will more than satisfy your expectations. It has been manufactured under stringent quality standards to meet superior performance criteria.

You will find your new tool easy and safe to operate and, with proper care, it will give you many years of dependable service.

**CAUTION.** Carefully read through this entire Instruction Manual before using your new power tool. Take special care to heed the Cautions and Warnings.

## ENVIRONMENTAL PROTECTION



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

## DESCRIPTION OF SYMBOLS

The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.



Wear hearing protection.

Wear eye protection.

Wear breathing protection.



Conforms to relevant safety standards.

# SPECIFICATIONS



Nominal voltage:	230-240Vac ~ 50Hz
Power input:	1500W
No load speed:	5700min <sup>-1</sup>
Maximum cutting depth:	76mm at 0°
Saw blade:	Ø254mm x Ø30mm bore
Bevel capacity:	0-45°
Dust extraction port:	Ø35mm
Table size	
without extension tables:	625mm x 440mm
with extension tables:	935mm x 944mm
Safety:	Earthed appliance
Net weight:	27.5kg

## NOISE DATA

	No load:	Load:
A weighted sound pressure:	83.7dB(A)	90.6dB(A)
A weighted sound power:	96.7dB(A)	103.6dB(A)

The sound intensity level for the operator may exceed 85 dB(A) and sound protection measures are necessary.

## SAFETY INSTRUCTIONS

To use this tool properly you must observe the safety regulations, the assembly instructions and the operating instructions to be found in this Manual. All persons who use and service the machine have to be acquainted with this Manual and must be informed about any potential hazards. Children and infirm people must not use this tool. Children should be supervised at all times if they are in the area in which the tool is being used. It is also imperative that you observe the accident prevention regulations in force in your area. The same applies for general rules of occupational health and safety.

The manufacturer shall not be liable for any changes made to the tool nor for any damage resulting from such changes.

**WARNING.** When using power tools, basic safety precautions should always be taken to reduce the risk of fire, electric shock and personal injury. Also, please read and heed the advice given in the additional important safety instructions.

1. **Keep the work area clean and tidy.** Cluttered work areas and benches invite accidents and injury.
2. **Consider the environment in which you are working.** Do not use power tools in damp or wet locations. Keep the work area well lit. Do not expose power tools to rain and high humidity. Do not use power tools in the presence of flammable liquids or gases.
3. **Keep visitors away from the work area.** All visitors and onlookers, especially children and infirm persons should be kept well away from where you are working. Do not let others in the vicinity make contact with the tool or extension cord.
4. **Store tools safely.** When not in use, tools should be stored in a dry, high place or locked up out of reach.
5. **Do not force the tool.** The tool will do the job better and safer working at the rate for which it was designed.
6. **Use the correct tool for the job.** Do not force small tools or attachments to do the job best handled by a heavier duty tool. Never use a tool for a purpose other than that for which it was intended.
7. **Dress correctly.** Do not wear loose clothing or jewelry. They can be caught in moving parts. -Work gloves and non-slip footwear are recommended when working outdoors. If you have long hair, wear a protective hair covering.
8. **Use safety accessories.** Safety glasses and ear defenders should always be worn. A face or dust mask is also required. Gloves should be worn when handling blades.
9. **Connect dust extraction equipment.** If devices are provided for the connection of dust extraction and collection facilities, ensure that these are connected and properly used. Always ensure that any dust and wood chips are directed away from the area in which you are working and away from others who may be in the general vicinity.
10. **Do not abuse the power cord.** Never pull the cord to disconnect the tool from the power point. Keep the cord away from heat, oil and sharp edges.
11. **Secure the work piece.** Use clamps or a vice to hold the work piece. It is safer than using your hand and frees both hands to operate the tool.
12. **Do not overreach.** Keep your footing secure and balanced at all times.
13. **Look after your tools.** Keep tools clean and sharp for better and safer performance. Follow the instructions regarding lubrication and accessory changes. Inspect tool cords periodically and, if damaged, have them repaired by an authorised service facility. Inspect extension cords periodically and replace them if damaged. Keep tool handles dry, clean and free from oil and grease.
14. **Disconnect idle tools.** Switch off the power and disconnect the plug from the power point before servicing, when changing accessories and when the tool is not in use.
15. **Remove adjusting keys and wrenches.** Check to see that keys and adjusting wrenches are removed from the tool before switching it on.

16. **Avoid unintentional starting.** Always check that the switch is in the OFF position before plugging in the tool to the power supply. Do not carry a plugged in tool with your finger on the switch.

17. Use outdoor rated extension cords. When a tool is used outdoors, use only extension cords that are intended for outdoor use and are so marked.

18. **Stay alert.** Watch what you are doing. Use common sense. Do not operate a power tool when you are tired.

19. **Check for damaged parts.** Before using a tool, check that there are no damaged parts. If a part is slightly damaged, carefully determine if it will operate properly and perform its intended function.

Check for alignment of moving parts, binding of moving parts, breakage of parts, proper mounting and any other conditions that may affect the operation of the tool. A guard or other part that is damaged should be properly repaired or replaced by an authorised service facility, unless otherwise indicated in this Instruction Manual. Defective switches must be replaced by an authorised service facility. Do not use a tool if the switch does not turn the tool on and off correctly. Replace the table insert when it is worn. In the unlikely event that you find any faults in the machine (including guards and blade) please report them to the Performance Power Helpline - details of which can be found in this user manual

20. **Guard against electric shock.** Prevent body contact with grounded objects such as water pipes, radiators, cookers and refrigerator enclosures.

21. **Use only approved parts.** When servicing, use only identical replacement parts. Use an authorised service facility to fit replacement parts.

22. **Use only approved saw blades.** Saw blades should conform to BS EN 847-1 : 1997 and should be rated for the speed of the machine being used. Do not use blades manufactured from high speed steel.

**WARNING.** The use of an accessory or attachment, other than those recommended in this Instruction Manual, may present a risk of personal injury.

The tool must be used only for its prescribed purpose. Any use other than those mentioned in this Manual will be considered a case of misuse. The user and not the manufacturer shall be liable for any damage or injury resulting from such cases of misuse.

The manufacturer shall not be liable for any changes made to the tool nor for any damage resulting from such changes.

Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

- Contact with the saw blade in the uncovered saw zone.
- Reaching into the running saw blade (cut injuries).
- Kickback of work pieces and parts of work pieces.
- Saw blade fracturing.
- Catapulting of faulty carbide tips from the saw blade.
- Damage to hearing if effective earmuffs are not worn.

- Harmful emissions of wood dust when the machine is used in closed rooms.
- Do not use saw blades, which are deformed or cracked.
- Do not use saw blades made of High Speed Steel (HSS)
- Do not use any abrasive wheel unless the machine is designed for that purpose.
- Do not use saw blades that do not comply with the characteristics specified in this instruction manual.
- Do not stop the saw blade by using lateral pressure on the side of the saw blade.
- Do not lock the moveable guard in the open position and always ensure that it is working properly, freely dropping to fully cover the teeth of the blade.
- Always remove the plug from the mains socket before making any adjustments or maintenance, including changing the blade.

## **ADDITIONAL SAFETY RULES FOR SAWS**

- Always pull the plug out of the power socket before adjusting or servicing the machine.
- Give these safety regulations to all persons who work on the machine.
- Do not use this saw to cut firewood.
- Caution! Hands and fingers may be injured on the rotating saw blade.
- Before you use the machine for the first time, check that the voltage marked on the rating plate is the same as your mains voltage.
- If you need to use an extension cable, make sure its conductor cross-section is large enough for the saw's power consumption. Minimum cross-section: 1.0mm<sup>2</sup>.
- Do not use or leave the saw in the rain and never use it in damp, humid, or wet conditions.
- Provide good lighting.
- Never saw near combustible liquids or gases.
- Wear suitable work clothes! Loose garments or jewellery may become caught up in the rotating saw blade
- Operators have to be at least 18 years of age. Trainees of at least 16 years of age are allowed to use the machine under supervision.
- Keep children and infirm people away from the machine when it is connected to the power supply.
- Check the power cord. Never use a faulty or damaged power cord.
- If the cordset is damaged take the saw to an authorised service centre for repair or replacement
- Never attempt any repairs yourself, always take it to an authorised service centre for repair or parts replacement.

- Keep the saw table and your workplace clean of wood scrap and any unnecessary objects.
- Keep the area free of tripping hazards.
- Persons working with the machine should not be distracted.
- Note the direction of rotation of the motor and saw blade.
- After you have switched off the motor, never slow down the saw blade by applying pressure to its side.
- Fit only blades which are well sharpened and have no cracks or deformations.
- The machine is to be operated only with a saw blade from a reputable supplier.
- Faulty saw blades have to be replaced immediately.
- Never use saw blades, which do not comply with the data specified in this manual.
- Make sure that the arrow on the saw blade complies with the arrow marked on the machine.
- Never dismantle the machine's safety devices or put them out of operation.
- Damaged or faulty safety devices have to be replaced immediately.
- Never cut a work piece, which is too small to hold securely.
- If you are interrupted when operating the saw, complete the process and switch off before looking up.
- Periodically check that all nuts, bolts and other fixings are properly tightened.
- Do not store materials or equipment above a machine in such a way that they could fall into it.
- Always ensure that your work is on the table. Never use the tool to cut pieces that are not on the table.
- Do not place your hands in awkward positions where one or both may slip suddenly and touch the saw blade.
- When working with a long work piece, use an additional support such as a saw table to prevent the blade from grabbing the work.
- When cutting round wood, use clamps that prevent the work piece from turning on the table.
- There must be no nails or other foreign bodies in that part of the work piece you want to cut.
- Always stand to the side of the saw blade when working with the saw.
- Never load the machine so much that it slows down and over-heats.
- Never saw several work pieces simultaneously.
- Use the push stick provided with the tool when cutting along or across narrow work pieces.
- Never remove loose splinters, chips or jammed pieces of wood when the saw blade is running.
- To rectify faults or remove jammed pieces of wood, always switch off the machine first and

- remove the mains plug!
- Adjustments, measurements and cleaning jobs are to be performed only when the motor is switched off and the mains plug removed!
  - Before you switch on the machine, check that all wrenches and adjustment tools have been removed.
  - When you leave your workplace, switch off the motor and pull out the power plug.
  - All guards and safety devices have to be refitted immediately after completion of any repairs or maintenance.
  - It is imperative to observe the accident prevention regulations in force in your area as well as all other generally recognised rules of safety.
  - Switch on the dust extraction system each time you use the machine.
  - The machine may be used in closed room only in conjunction with a suitable vacuum extraction system.
  - This table saw must be connected to a 230–240V socket-outlet with a minimum 10A circuit.
  - Never use the cord for any purpose other than that for which it is intended!
  - Adopt a firm standing position and keep your balance at all times.
  - Check the tool for signs of damage!
  - Before you use the tool it is imperative to check that its safety devices and any slightly damaged parts are working properly and in the way intended.
  - Check that the moving parts work properly and do not jam or whether any of the parts are damaged. All parts must be fitted correctly and satisfy all conditions for the tool to work properly.
  - Unless otherwise stated in these instructions, damaged safety devices and parts must be repaired or replaced by an authorised service facility.
  - Have damaged switches replaced by an authorised service facility.
  - This tool complies with the pertinent safety regulations. Repairs are to be carried out only by qualified electricians at authorised service centres, using original replacement parts. The user may suffer an accident if this condition is not observed.
  - Rebating or grooving should not be carried out unless suitable guarding, such as a tunnel guard, is fitted above the table saw.
  - Saws shall not be used for slotting (stopped groove).

Wear goggles



Wear ear defenders

Wear a breathing mask

## ACCESSORIES

Due to modern mass production techniques, it is unlikely that your power tool is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

Accessories supplied include:

- Carbide-tipped saw blade
- Fence
- Mitre gauge
- Blade guard
- Push stick
- Table top extensions (1 x back & 2 x side)
- 4 x stand legs
- 2 x stand brackets (long)
- 2 x stand brackets (short)
- 4 x stand side brackets (side)
- 2 x stand side brackets (back)
- 34 x M6 screws and matching washers
- 4 x M5 screws
- 18 x M6 nuts
- Spare screws, washers and nuts
- Instruction manual

The table saw is designed for the cutting of timber and plastic commensurate with the machine's size. The machine is not to be used for cutting firewood. The machine is to be used only for its prescribed purpose. Any use other than that mentioned will be considered a case of misuse. The user/operator and not the manufacturer shall be liable for any damage or injury resulting from such cases of misuse. The machine is to be operated only with suitable saw blades, which includes all TCT blades. It is prohibited to use any High-Speed Steel blades in this machine.

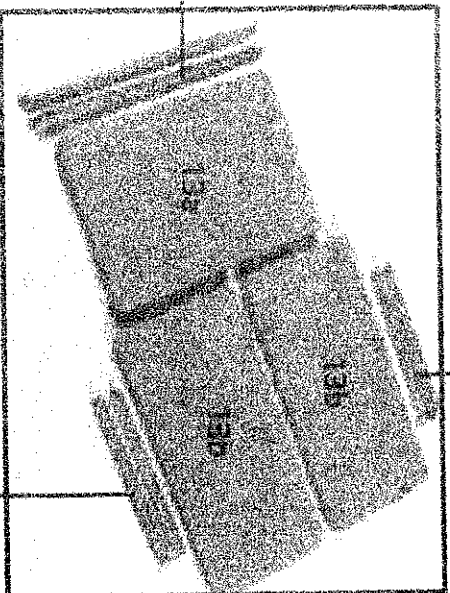
# KNOW YOUR PRODUCT

- |                                  |                                    |
|----------------------------------|------------------------------------|
| 1. Table top                     | 13a. Back table extension          |
| 2. Switch                        | 13b. 2 x side table extension      |
| 3. Riving knife                  | 14. 4 x stand legs                 |
| 4. Removable table top section   | 15. 2 x stand brackets (long)      |
| 5. Fence                         | 16. 2 x stand brackets (short)     |
| 6. Fence locking lever           | 17. 4 x stand side brackets (side) |
| 7. Mitre gauge                   | 18. 2 x stand side brackets (back) |
| 8. Blade guard                   | 19. Push stick                     |
| 9. Dust extraction adaptor       | 20. Saw blade                      |
| 10. Blade depth adjustment wheel | 21. Flexible hose                  |
| 11. Blade bevel adjustment knob  |                                    |
| 12. Blade bevel locking knob     |                                    |



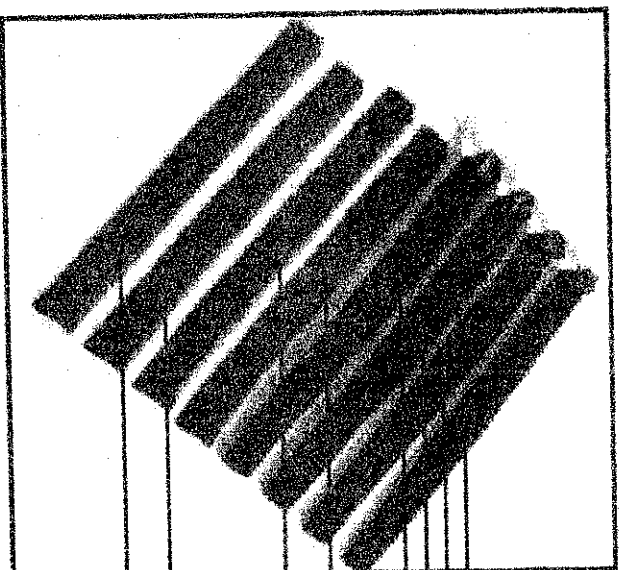
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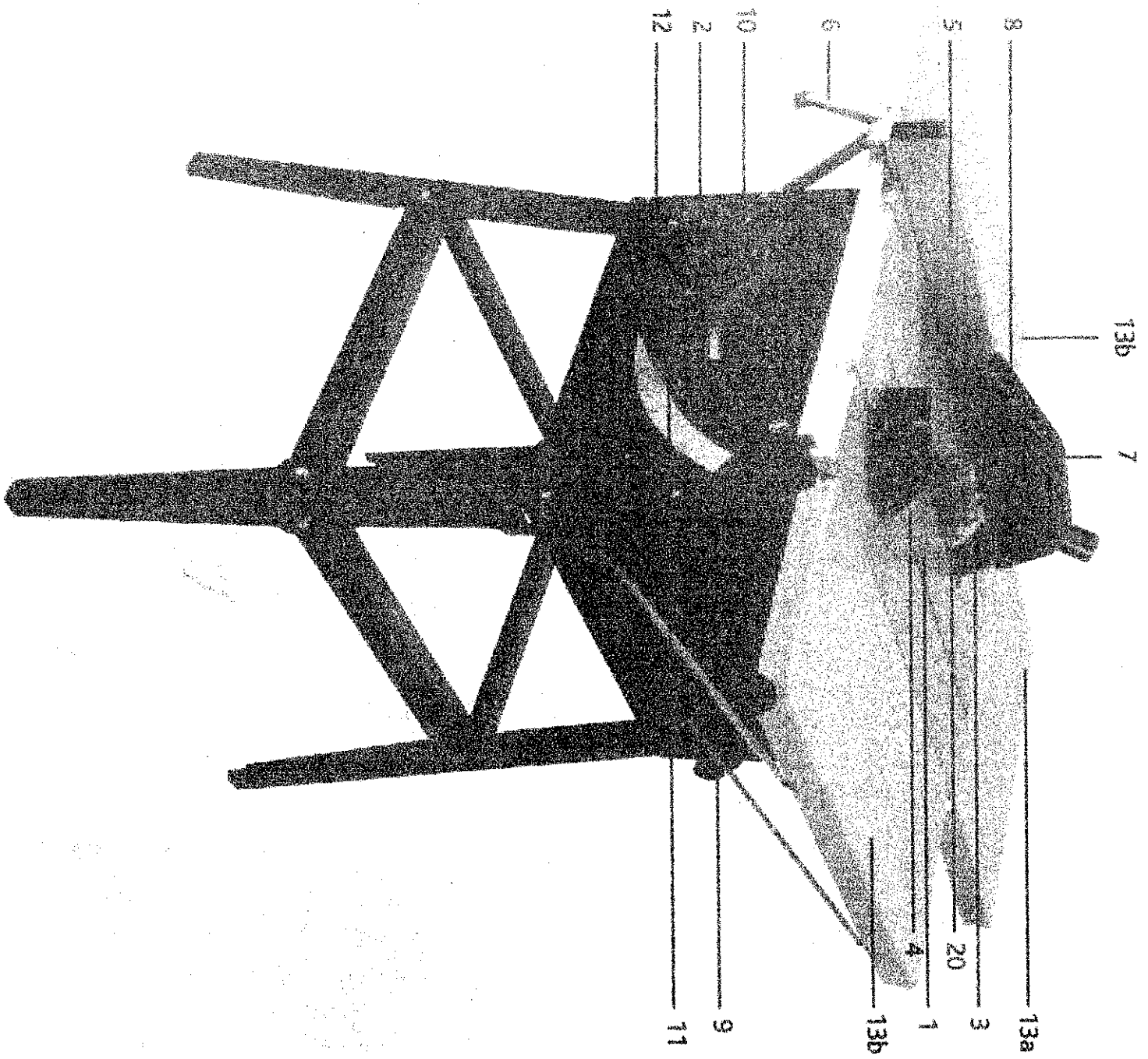
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14

15

16



## BEFORE USING THE MACHINE

**Warning.** Before connecting a tool to a power source (power point receptacle, outlet, etc.) be sure that the voltage supply is the same as that specified on the nameplate of the tool. A power source with a voltage greater than that specified for the tool can result in serious injury to the user, as well as damage to the tool. If in doubt, do not plug in the tool. Using a power source with a voltage less than the nameplate rating is harmful to the motor.

The machine has to be adjusted so that the height of the uppermost tip of the blade is just higher than the work piece.

All the guards and safety devices have to be properly fitted before the machine is switched on.

It must be possible for the saw blade to run freely.

When working with wood that has been processed before, watch out for foreign bodies such as nails or screws etc. Remove any such foreign bodies.

Before you actuate the On/Off switch, make sure that the saw blade is correctly fitted and that the machine's moving parts run smoothly.

**Warning.** If you have any doubts, get an expert from an authorised service centre to help you set up the table saw. It is too dangerous to guess the procedure.

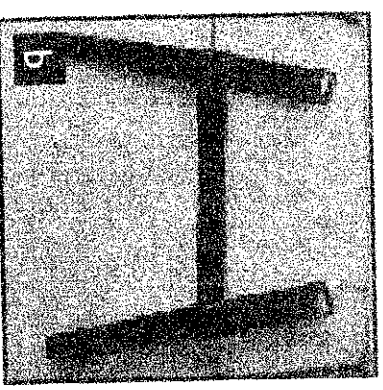
## ASSEMBLING THE STAND

**Caution.** Always pull out the mains power plug before carrying out any maintenance, conversion or assembly work on the table saw.

When assembling this stand we suggest the screws are only lightly tightened until the stand is fully assembled.

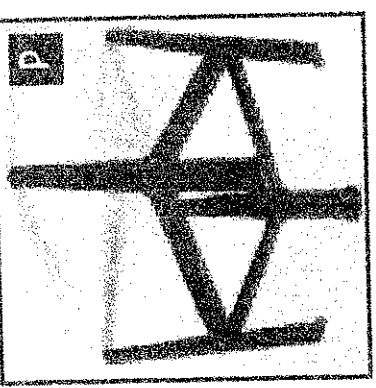
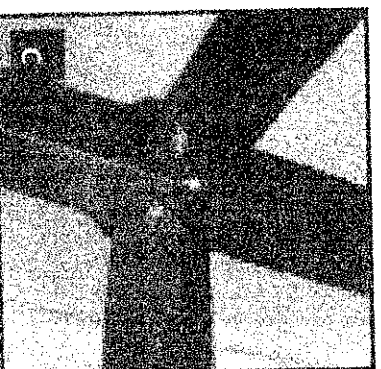
**Note.** There are different lengths of stand brackets. Ensure you match them as you assemble this stand otherwise it will not sit square. Assemble the stand on its side.

1. Use two screws, washers and nuts to fit a longer stand bracket (15) between two stand legs (14). (a).



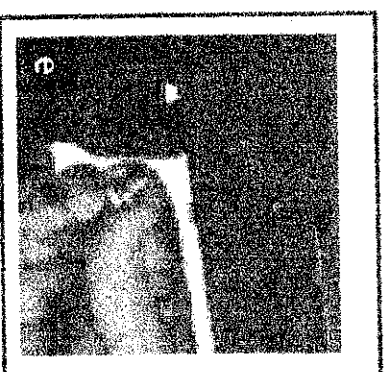
2. Repeat for the second longer stand bracket (15) and the second pair of stand legs (14). (b).

3. Use eight screws, washers and nuts to fit the shorter stand brackets (16) and complete the assembly. (c).
4. Tighten all screws and place the stand on its feet. (d)



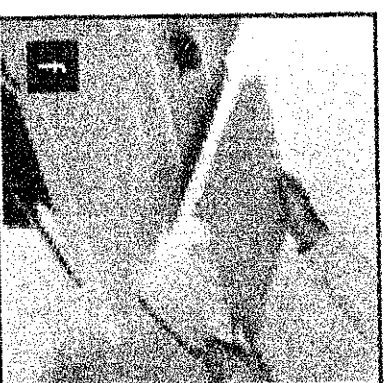
## FITTING THE TABLE SAW TO THE STAND

1. Make sure the riving knife is completely retracted into the table top.
2. Place the table saw upside down on a protected surface (the inside of the shipping carton) so as not to damage the table top.
3. Turn the stand upside down and place it over the rubber feet aligning the holes in the stand with the matching holes in the base of the table saw.
4. Secure the table saw to the stand using two screws washers at each corner. (e)
5. Fully tighten all screws.
6. Now turn your Table saw upright into the normal operating position.



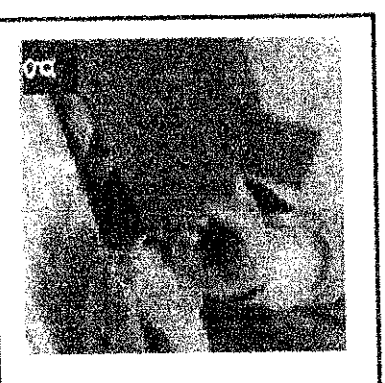
## FITTING THE TABLE TOP EXTENSIONS

1. Find a side table extension (13b).
2. The lipped edge on a long side has a hole above each of two slots.
3. Fit an M5 screw (no washer) through each of these two holes and into the corresponding tapped holes in the table top side.
4. Fit the side brackets (17).
5. Tighten the screws to secure the extension table, making sure it is aligned and flush with the table saw.
6. Repeat for the second side extension table.
7. Find the back table extension (13a) and fit it to the table top. (f). Fit an M6 screw with washer through each of these two holes and into the corresponding tapped holes in the table top rear.
8. Find the side brackets (18) and assemble them to the table top extension and then to the table top.
9. Fully tighten all screws once the table top and table extension are aligned parallel and flush together.



## FITTING AND REMOVING THE SAW BLADE GUARD AND DUST EXTRACTOR

1. To remove the guard (8), take off the wing nut and screw, then lift off the guard. (g)
2. To replace the guard (8), fit it over the riving knife (3) so that the hole in the guard and the hole in the riving knife are aligned.
3. Insert the screw and fit the wing nut.



4. Tighten the wing nut sufficiently so that the guard rests on the table top (1) but will lift when the work piece is pushed into the blade.

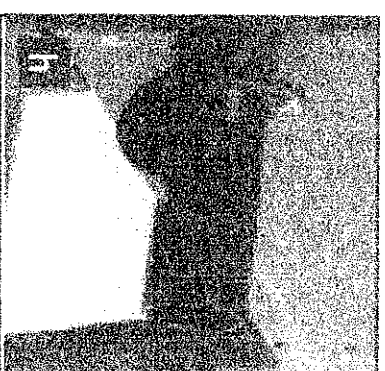
Note: The blade guard (8) should return to its rest position after the work piece has been sawn.

5.

A suitable vacuum extraction system has to be connected to the outlet of the vacuum extraction adaptor (9). (h)

Note: If this is the only dust extraction method employed, seal off the second outlet of the dust extraction adaptor (9).

6. Connect one end of the flexible hose (21) to the dust extractor adaptor (9) and the other end to the vacuum port on the blade guard (8).



Note: A vacuum extraction system such as a household vacuum cleaner can be connected to the port at the rear of the blade guard (8).

7. To remove the saw blade guard, proceed in reverse order.

Caution: The saw blade guard (8) must be in position at all times to prevent contact with the blade. It should lift up and onto the work piece when the work piece is passed through the saw.

## ADJUSTING THE CUTTING ANGLE STOPS

Caution: Switch off the machine and remove the mains power plug before carrying out any adjustments, maintenance work or blade changes.

1. Set the saw blade to maximum cutting depth by rotating the adjustment wheel (10) anti-clockwise as far as possible.
2. Slacken the blade bevel locking knob (12).
3. Rotate the blade bevel adjustment knob (11) to the left until the arrow points to 0°.
4. Half tighten the blade bevel locking knob (12).
5. Place a square between the saw table and the saw blade.
6. If the angle is not exactly 90° you can use a spanner to loosen, reposition and re-tighten the 0° stop screw until the angle is exactly 90°. The stop screw can be found on the left hand side of the front of the table. (i)
7. It may be necessary to slacken the blade bevel locking knob (12) again in order to swivel the saw blade a little further to the left and re-check the angle is correct.
8. Now turn the blade bevel adjustment knob (11) to the right until the arrow points to 45°.
9. Half tighten the blade bevel locking knob (12) again.



10. Place a 45° angle between the saw table and the saw blade.

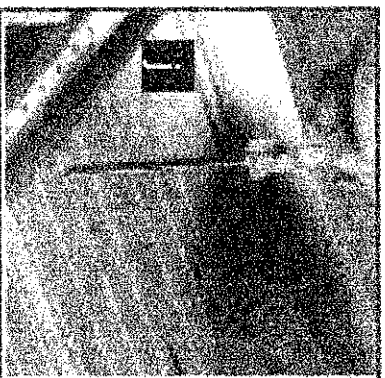
11. If the angle is not exactly 45° you can adjust it with the stop screw in a similar way to the procedure described above. The stop screw can be found on the right hand side of the front of the table.

Important. Be sure to secure the selected angle setting by tightening the blade bevel locking knob (12) before you start to use the saw.

## ADJUSTING THE RIVING KNIFE

Caution. Switch off the machine and remove the mains power plug before carrying out any adjustments, maintenance work or blade changes.

1. Set the saw blade to maximum cutting depth, move it to the 0° position and lock it in place with the blade bevel locking knob (12).
2. Remove the saw blade guard (8).
3. Remove the two screws securing the removable table top section (4) and take out this section. (l)
4. Slacken the screw holding the riving knife (3) in place. (k)



## SETTING FOR MAXIMUM CUTS

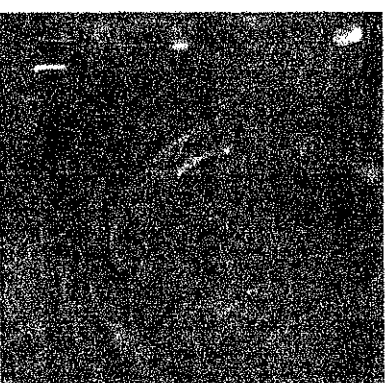
1. Raise the riving knife (3) until the distance between the saw table and the top edge of the riving knife is about 100mm (4").
2. The distance between the riving knife and the saw blade has to be between 3–8 mm. Re-tighten the riving knife fixing screw and refit the table top section (4).

## SWITCHING ON AND OFF

1. To turn the table saw ON, press the green push button.
2. To turn the table saw OFF, press the red push button.

## ADJUSTING THE CUTTING DEPTH

1. Set the saw blade to the required cutting depth by turning the blade depth adjustment wheel (10). (l)
2. Turning the wheel anti-clockwise increases the cutting depth.
3. Turning the wheel clockwise decreases the cutting depth.



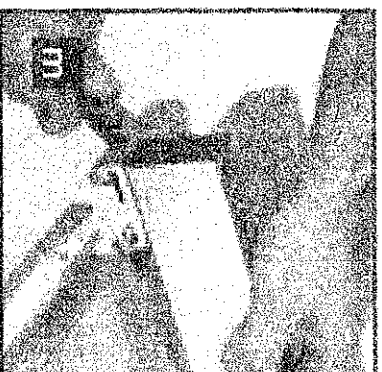
## ADJUSTING THE FENCE

### Cutting width

1. Use the fence when making longitudinal cuts.
2. The fence can be fitted to either side of the table top (1).
3. Lift the fence locking lever (6) and slide the fence to the required position. (m)
4. Re-tighten the fence locking lever (6).

### Using the fence on the left side

1. You can use the scale on the table top to set the fence so that the work piece is sawn to the required width.
  2. Loosen the fence locking lever (6) and set the left edge of the fence bracket (5) to the required width on the scale.
  3. Tighten the fence locking lever (6) to clamp the fence in position.
- Using the fence on the right side
4. Loosen the fence locking lever (6) and set the right edge of the fence bracket (5) to the required width on the scale.
  5. Tighten the fence locking lever (6) to clamp the fence in position.



## USING THE MITRE GAUGE

1. Slide the mitre gauge (7) into the slot of the table top (1). (n)
2. Slacken the knurled knob on the mitre gauge.
3. Turn the mitre gauge until the arrow points to the required angle.
4. Re-tighten the knurled knob.
5. For cutting a large work piece, you can use the fence rail from the fence assembly to extend the mitre gauge.



**Important.** Do not push the fence too far towards the saw blade. The distance between the fence and the saw blade should be about 20mm.

## ADJUSTING THE ANGLE OF CUT

1. Slacken the blade bevel locking knob (12). (o)
2. Turn the blade bevel adjustment knob (11) until the indicator points to the required angle on the scale.
3. Securely tighten the blade bevel locking knob (12).



## **MAKING LONGITUDINAL CUTS**

Important. After each new adjustment it is advisable to carry out a trial cut in order to check the set dimensions.

After switching on the saw, wait for the blade to reach its maximum speed of rotation before commencing with the cut.

Take extra care when starting the cut.

1. Longitudinal cuts involve cutting through a work piece along its full length.
2. One edge of the work piece is pressed against the fence while its flat side rests on the table top.
3. The saw blade guard must always be operational and cover the work piece.
4. When making longitudinal cuts you must always stand to one side of the cutting line.
5. Set the fence to suit the required width.
6. Switch on the saw.
7. With your fingers together, place your hands flat on the work piece and push the work piece along the fence into the saw blade.
8. Guide the work piece at the side with your left hand only as far as the front edge of the guard hood.
9. Always push the work piece through to the end of the riving knife.
10. Leave the off-cuts on the saw table until the saw blade has stopped again.
11. Secure a long work piece against sagging at the end of the cutting operation (e.g. with a roller table or similar device)
12. Use the push stick for guiding the work piece if your hand gets to within 125mm (5") of the saw blade.

## **CUTTING A NARROW WORK PIECE**

Longitudinal cuts in a work piece smaller than 125mm (5") in width must always be made with the help of the push stick.

Warning. Worn or damaged push sticks must be replaced immediately.

## **CUTTING AN EXTREMELY NARROW WORK PIECE**

Longitudinal cuts in an extremely narrow work piece with a width of 30mm or less must always be made with the help of a push block.

You have not been supplied with a push block. (Either make or purchase a suitable one from a specialist dealer).

**Warning:** Worn push blocks must be replaced without delay.

## MAKING BEVEL CUTS

1. Always use the fence when cutting bevels.
2. Set the saw blade to the required angle.
3. Set the fence to suit the width and height of the work piece.
4. Carry out the cut in accordance with the work piece width.

## MAKING CROSS CUTS

1. Push the mitre gauge into one of the two slots of the saw table and set to the required angle. If you also want to set the saw blade at an angle, use the slot, which prevents your hand and the mitre gauge coming into contact with the saw blade.
2. Use the fence rail if required or if necessary.
3. Press the work piece firmly against the mitre gauge.
4. Switch on the saw.
5. Push the mitre gauge and the work piece toward the saw blade in order to make the cut.

**Important:** Always hold the guided part of the work piece. Never hold that part of the work piece, which is being cut off.

Always push the mitre gauge far enough forward for the work piece to be cut through completely.

Switch off the saw again.

Wait for the saw blade to stop before you remove the off-cuts.

## REPLACING THE SAW BLADE

**Caution:** Switch off the machine and remove the mains power plug before carrying out any adjustments, maintenance work or blade changes.

1. Turn the blade depth adjustment wheel (10) until the saw blade is at the maximum cutting depth.
2. Take off the saw blade guard (8).
3. Take out the removable table top section (4).
4. Remove the riving knife (3).
5. Use an open-ended spanner to hold the spindle fast.
6. Use a second open-ended spanner to undo the blade bolt by turning in an anti-clock-wise direction (right-hand thread).  
(p)



7. Now turn the blade depth adjustment wheel (10) until the saw blade is at the minimum cutting depth, so that it is easier to take the blade out.
8. Remove the saw blade from the inner flange and lift it out.
9. Carefully clean the saw blade flange before you fit the new or re-sharpened saw blade.
10. Insert and secure the saw blade in reverse order.

**Caution.** Take note of the running direction. The cutting edge of the teeth has to point in the running direction, i.e. forward (see the arrow on the saw blade and guard).

11. Re-fit and re-set the riving knife and the saw blade guard.
12. Before using the saw again, check that all safety devices are in good working order.  
**Important.** After replacing the saw blade, make sure the saw blade runs freely by turning the blade by hand.
13. Plug the machine into a mains socket and run the saw at no load before using it to cut any materials.

## CHANGING THE DRIVE BELT

The drive belt is located between the spindle of the motor and the spindle of the blade. It can be seen when the blade is removed. (q).

If the drive belt starts to slip, or the belt is damaged or broken, the table saw should be taken to an authorised service centre for a belt replacement by a qualified service technician. The belt should not be replaced by a non-qualified person.



## MAINTENANCE

1. Keep the tool's air vents unclogged and clean at all times.
2. Remove dust and dirt regularly. Cleaning is best done with a rag or a soft brush. Wear safety glasses whilst brushing away dust and dirt.
3. Re-lubricate all moving parts at regular intervals.
4. Never use caustic agents to clean plastic parts.
5. Should the removable table top section (4) become worn, have it replaced by a qualified service technician at an authorised service centre.

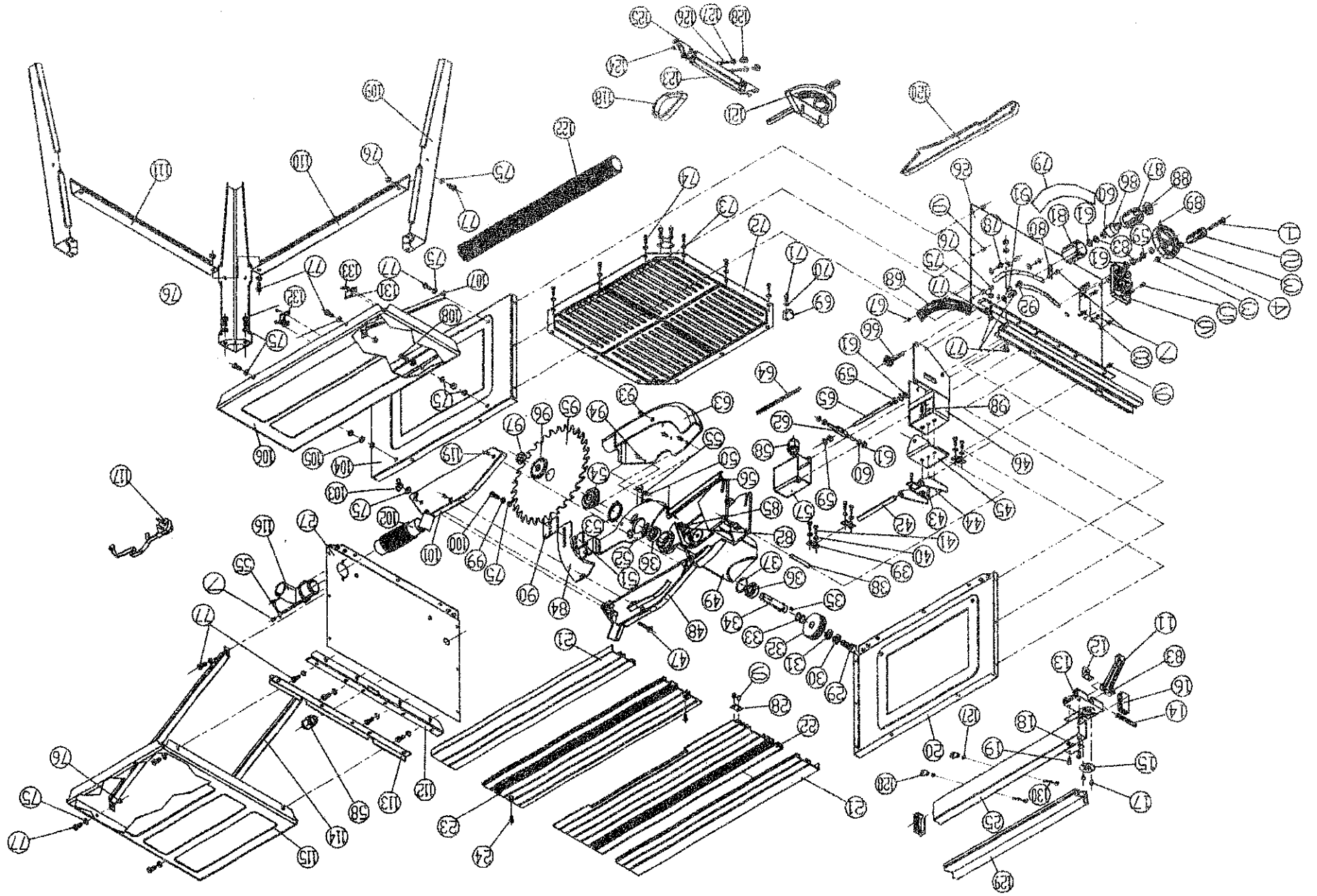
**Caution.** Do not use cleaning agents to clean the plastic parts of the saw. A mild detergent on a damp cloth is recommended. Water must never come into contact with the saw.

## **GENERAL INSPECTION**

Regularly check that all the fixing screws are tight. They may vibrate loose over time.

## **REPAIRS**

Only an authorised service centre should replace the cordset or drivebelt or effect other repairs. If the cordset is damaged or worn, have it repaired or replaced by an authorised service centre.



## RTS250B

No./Part No.	Description/Details/Material		Qty.
1	Cross pan head screw	M6x55	1
2	Crank		1
3	Hex nut	M6	4
4	Hand/heel		1
5	Cross pan head screw	M4x12	3
6	Emergency NVR switch		1
7	Cross pan head screw	M4x8	3
8	Serrated lock washers	4	4
9	Mushroom head rivets	4x8	17
10	Front rail		1
11	Clamp handle		1
12	Spring chip		1
13	Sliding base		1
14	Twist shaft		1
15	Magnifier		1
16	Rip fence insert		2
17	Cross pan head screw	M4x6	2
18	Spacer		1
19	Hexagon socket cap head screw	M5x10	2
20	Side guard		1
21	Side panel		2
22	Left panel of table		1
23	Right panel of table		1
24	Cross countersunk head screw	M5x20	2
25	rip fence tube		1
26	Front guard		1
27	Rear guard		1
28	Connector		2
29	Hex socket cap head screw	M8x14	1
30	Spring washer	8	1
31	Washer	8	1
32	Driven pulley		1
33	Circlips for shaft	16	2
34	Shaft		1
35	Key	4x4x8(A)	1
36	Bearing	6003	2
37	"C" ring	35	1
38	Spring pin	8x85	1
39	Shaft clamper		3
40	Spring washer	5	6
41	Cross pan head screw	ST4.8X10	6
42	Rotating shaft		1

43	Spring pin	5x16	1
44	Supporter		1
45	Rotating plate		1
46	Bracket assy		1
47	Bolt	M6x40	1
48	Blade guard (R)		1
49	Motor		1
50	Nut	M4	5
51	Adjusting plate		3-5
52	Riving knife bracket		1
53	Circlips for shaft	40	1
54	Fixed saw flange		1
55	Washer	4	7
56	Bracket		1
57	Switch box		1
58	Strain relief		3
59	Hex nut	M8	6
60	Hex locknut	M8	3
61	Washer	8	2
62	Screw shaft		1
63	Dust guard		1
64	Spring		1
65	Screw level		1
66	Gear		1
67	Hex nut	M5	3
68	Gear plate		1
69	Foot		4
70	Flat washer	5	8
71	Cross pan head screw	M5X20	8
72	Base		1
73	Flat washer	5	8
74	Cross pan head screw	M5X20	12
75	Flat washer	6	72
76	Hex nut	M6	36
77	Hex bolt	M6X12	30
78	Cross countersunk head screw	M5X12	3
79	Scale		1
80	Pointer		1
81	Height adjust knob		1
82	Spindle pulley		1
83	Butterfly spring		3
84	Riving knife		1
85	Hex screw	M6X8	1
86	Handle bushing		1
87	Height clamp knob		1

88	Cover			1
89	Hex screw	M5X10		1
90	Riving knife clamper			1
91	Washer	6		2
92	Cross pan head screw	M6X16		32
93	Cross pan head screw	M4X16		2
94	Cross pan head screw			3
95	Saw blade			1
96	Stiffener			1
97	Hex nut	M16X1.5		1
98	Hex bolt	M6X25		2
99	Spring washer	6		3
100	Hex bolt	M6X20		2
101	Blade guard (L)			1
102	Inside hose			1
103	Butterfly nut	M6		1
104	Side guard			1
105	Bushing			4
106	Side extension table			2
107	Side extension table support rod			4
108	Hex bolt	M6X16		8
109	Stand			4
110	Long beam			2
111	Short beam			2
112	Fence bracket			2
113	Rear fence			1
114	Rear extension table support rod			2
115	Rear extension table			1
116	Dust port			1
117	Plug			1
118	Belt			1
119	Cross countersunk head screw	ST2.9X25		3
120	Push sticker			
121	Miter gauge			
122	Hose			
123	Miter gauge fence			1
124	screw	ST3.5X13		2
125	Rip fence insert			2
126	bolt	M6X140		2
127	washer	6		4
128	nut	6		4
129	Rip fence insert			1
130	bolt	M6X50		2
131	front clam			1
132	back clam			1
133	screw	ST3.5X9		4