Instruction Manual

BAND SAW

Model: BS315,BS350

CONTENT

SPECIFICATIONS

Model No.	BS 315	BS350
Motor Power	230V~,50Hz,800W	230V~,50Hz,1000W 400V,3~,50Hz,1000W
Blade Length	2240 mm	2490 mm
Blade Width	6~15 mm	6-19 mm
Blade Speed	12 or 6 m/sec	14 or 7 m/sec
Throat Capacity	305 mm	335 mm
Max Cutting height	180 mm	200 mm
Table Size	500x400 mm	500x400 mm
Table Tilt	0°~45°	0°~45°
Dust Port	100 mm	100 mm
N.W./G.W.	78/83 kgs	85/92 kgs
Packing Size(mm) ^{3}	1100x500x440	1265x520x440
Noise(unloading)	77 dB(A)	78 dB(A)

NOTE: **The above specificationsandthe** constructionswere current at the time this manual was published, but because of our policy of continuous improvement, we reserve the right to change specifications and the constructions without notice and without incurring obligations.

GENERAL SAFETY INSTRUCTIONS

Please read the following instructions carefully, **failure to do so could lead to serious personal injury.**

When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury.

Read all these instructions before operating the tool and save this user manual for future reference.

We recommends that this tool should not be modified or used for any application other than that for which it was designed. If you are unsure of its relative applications do not hesitate to contact us using the telephone number on the back of this user manual, and we will be more than happy to advise you.

KNOW YOUR POWER TOOL: Read and understand the owner's manual and labels affixed to the saw. Learn its applications and limitations, as well as the potential hazards specific to this tool.

KEEP WORK AREA CLEAN AND WELL LIT: Cluttered work benches and dark areas invite accidents. Floors must not be slippery due to oil, water or sawdust etc.

DO NOT USE THE SAW IN DANGEROUS ENVIRONMENTS: Do not use power tools in damp or wet locations, or expose them to rain. Provide adequate space surrounding the work area. Do not use in environments with a potentially explosive atmosphere.

KEEP CHILDREN AND UNTRAINED PERSONNEL AWAY FROM THE WORK AREA: All visitors should be kept at a safe distance from the work area.

STORE TOOLS SAFELY WHEN THEY ARE NOT IN USE: All tools should be stored in a d**ry**, l**ocked** cupboard and out of the reach of children.

WEAR THE CORRECT CLOTHING: Do not wear loose clothing, neckties, rings, bracelets, or other jewellery, which may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair. Roll long sleeves up above the elbow.

USE SAFETY GOGGLES AND EAR PROTECTION: Wear CE approved safety goggles at all times, Normal spectacles only have impact resistant lenses, they are NOT safety glasses. A face or dust mask should be worn if the operation is dusty and ear protectors (plugs or muffs) should be worn, particularly during extended periods of operation.

PROTECT YOURSELF FROM ELECTRIC SHOCK: When working with power tools, avoid contact with any earthed items (e.g. pipes, radiators, hobs and refrigerators, etc.). It is advisable wherever possible to use an RCD (residual current device) at the mains socket.

STAY ALERT: Always watch what you are doing and use common sense. Do not operate the saw when you are tired or under the influence of alcohol or drugs.

DISCONNECT THE TOOL FROM THE MAINS SUPPLY: When not in use, before servicing and when changing accessories such as cutters, etc.

AVOID UNINTENTIONAL STARTING: Make sure the switch is in the OFF position before connecting the tool to the mains supply.

NEVER LEAVE THE TOOL RUNNING / CONNECTED WHILST UNATTENDED: Turn off the tool and disconnect it from the mains supply between jobs. Do not leave machine until it comes to a complete stop.

DO NOT ABUSE THE MAINS LEAD: Never attempt to move the saw by means of the mains lead or pull it to remove the plug from the mains socket. Keep the mains lead away from heat, oil and sharp edges. If the mains lead is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid unwanted hazards.

CHECK FOR DAMAGED PARTS: Before every use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate correctly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, and any other conditions that may affect its operation. A guard or other part that is damaged should be correctly repaired or replaced by an authorized service centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorized service agent. Do not use the tool if the switch does not turn it on and off.

KEEP ALL GUARDS IN PLACE: And in full working order.

MAINTAIN TOOLS WITH CARE: Keep tools sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories. All extension cables must be checked at regular intervals and replaced if damaged.

USE ONLY RECOMMENDED ACCESSORIES: Consult this user manual for recommended accessories. Follow the instructions that accompany the accessories. The use of improper accessories may cause hazards and will invalidate any warranty you may have.

REMOVE ADJUSTING KEYS AND WRENCHES: Form a habit of checking to see that keys and adjusting wrenches are removed from the tool before every use.

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REMOVE ADJUSTING KEYS AND WRENCHES: Form a habit of checking to see that keys and adjusting wrenches are removed from the tool before every use.

DO NOT OVERREACH: Keep proper footing and balance at all times.

USE THE RIGHT TOOL: Do not use the tool or attachment to do a job for which it was not designed.

DO NOT FORCE THE TOOL: It will do the job better and more safely at the rate which it was designed.

DO NOT OPERATE POWER TOOLS IN EXPLOSIVE ATMOSPHERES: Do not use the tool in the presence of flammable liquids, gases, dust or other combustible sources. Power tools may create sparks which can ignite the dust or fumes.

DO NOT EXPOSE THE TOOL TO RAIN OR USE IT IN WET CONDITIONS: Water entering a power tool will greatly increase the risk of electric shock.

HAVE YOUR TOOL REPAIRED BY A QUALIFIED PERSON: The tool is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.

SPECIAL SAFETY INSTRUCTIONS

1. Some wood and wood type products, especially MDF (Medium Density Fibreboard) can produce dust that can be hazardous to your health. We recommend the use of an approved face mask with replaceable filters when using this machine in addition to using the dust extraction facility.

2. Approved safety glasses or goggles and ear defenders must be worn when using the saw.

3. Ensure that the band saw is securely fastened to its base and wherever possible secure the base to the floor - When selecting a location for the band saw consideration needs to be given to the size of material to be cut and the area around the Band Saw.

4. Do Not attempt to use for wet cutting operations a fatal electric shock could occur. This machine is to be used for dry cutting only.

5. Do Not over tension the drive belt, the drive belt will last longer if the tension is released after each use.

6. Do Not allow sawdust to build up around the motor or inside the machine. A build up of sawdust is a fire hazard.

7. Do Not stop the blade by forcing the work piece against it or by using sideways pressure.

8. Keep Guards in place and in good working order.

9. Always ensure that the blade guide rollers are set correctly.

10. Do Not start the machine with the blade in contact with the work piece.

11. Check the work piece for any protruding nails, screw heads or anything that could damage the blade.

12. Do Not attempt to modify the machine or its accessories in any way.

13. Do Not use excessive force when feeding the work piece to the blade, feeding the work piece gradually will reduce wear on the machine and blade, increasing its efficiency and operating life.

14. For your safety; remove the chippings and work debris etc. from the table top and from inside the extraction port before each operation.

15. Keep hands out of path of saw blade, never reach around saw blade.

16. Before making the first cut using the saw, let it run for a while; Watch for vibration or wobbling that could indicate poor installation or a poorly balanced blade. Adjust or replace as necessary.

17. Allow the blade to run up to full speed before cutting.

18. Stop operation immediately if you notice anything abnormal.

19. Wait for the saw blade to stop completely and remove the plug from the mains supply before servicing or adjusting tool.

20. Be alert at all times, especially during repetitive, monotonous operations. Don't be lulled into a false sense of security. Blades are extremely unforgiving.

21. Use of improper accessories may cause damage to the saw and surrounding area as well as increasing the risk of injury.

22. Turn off the saw and wait for it to complete stop before moving work-piece or changing settings.

23. Do not modify the saw to do tasks other than those intended.

24. Keep the site free of tripping hazards. Ensure adequate lighting conditions.

25. The saw must only be operated with all correctly mounted guards etc.

26. Never use cracked or distorted saw blades - Only user sharp saw blades.

27. Use a push stick when rip sawing narrow work-piece.

Blade Safety:

- Use only blades that are recommended by the manufacturer.
- Do not use blades that are deformed or have missing teeth, this is highly dangerous and could result in a serious accident to the operator and bystanders as well as damaging the machine.
- Only use blades that are recommended by the supplier and that are in good condition.
- Ensure that the directional arrow, if marked on the blade corresponds with the rotational direction of the motor, the teeth of the blade should always point downward when viewed from the front of the saw.
- Always release the blade tension, when the machine is not in use.
- Always wear gloves and eye protection when fitting or removing blades.
- Always uncoil blades in spacious areas, away from other people, and take great care.
- Always keep looped blades secure with tie wires.
- Always keep fingers away from moving blades.

CAUTION: The warnings and cautions mentioned in this user manual can not cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be applied.

Working Clearances

Working clearances can be thought of as the distances between machines and obstacles that allow safe operation of every machine without limitation. Consider existing and anticipated machine needs, size of material to be processed through each machine, and space for auxiliary stands and/or work tables.

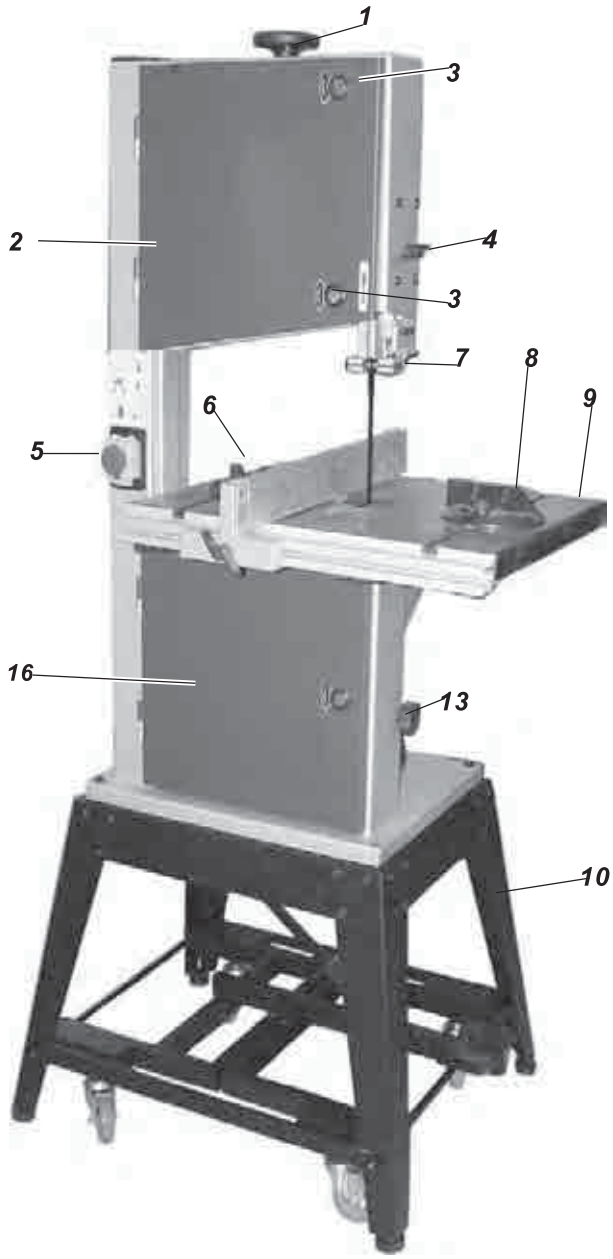
Also consider the relative position of each machine to one another for efficient material handling. Be sure to allow yourself sufficient room to safely run your machines in any foreseeable operation.

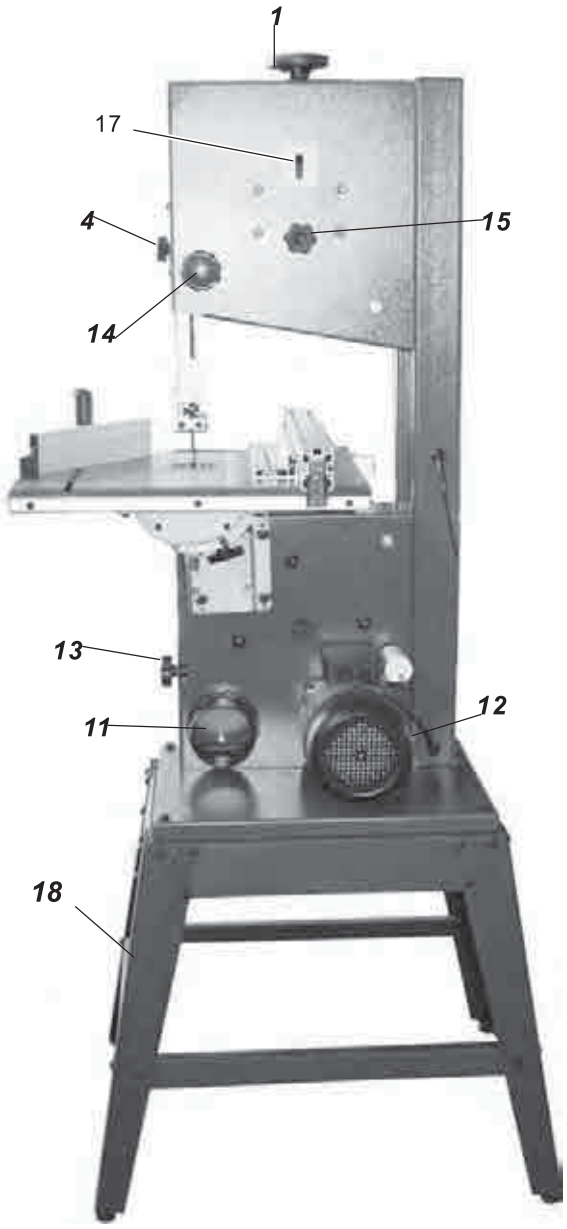
Lighting and Outlets

Lighting should be bright enough to eliminate shadow and prevent eye strain. Electrical circuits should be dedicated or large enough to handle combined motor amp loads. Outlets should be located near each machine so power or extension cords are not obstructing high-traffic areas.

Be sure to observe local electrical codes for proper installation of new lighting, outlets, or circuits.

GETTING TO KNOW YOUR MACHINE





1. B***lade*** t***ension*** a***djusting*** k***nob***

2. Upper d***oor***

3. D***oor*** l***ock***

4. B***lade*** g***uide*** l***ock*** k***nob***

5. M***ain*** s***witch***(N***o-volt*** r***elease***)

6. Rip f***ence***

7. Upper b***lade*** g***uide***

8. Mitre g***auge***

9. Work t***able***

10. M***oveable*** w***ork*** s***tand***(o***ptional***)

11. Dust p***ort***

12. M***otor***

13. B***elt tension knob***

14. B***lade guide rise/down handle***

15. B***lade*** t***racking*** a***djust*** k***nob*** & l***ock*** l***ever***

16. L***ower*** d***oor***

17. B***lade*** t***ension*** i***ndicator***

18. F***ixed*** w***ork*** s***tand***(o***ptional***)

ASSEMBLY & SETTING

Unpacking

The 10″ Bandsaw is shipped from the manufacturer in a carefully packed crate. If you discover the machine is damaged after you have signed for delivery, please call Customer Service immediately for advice. When you are completely satisfied with the condition of your shipment, you should inventory its parts.

Clean Up

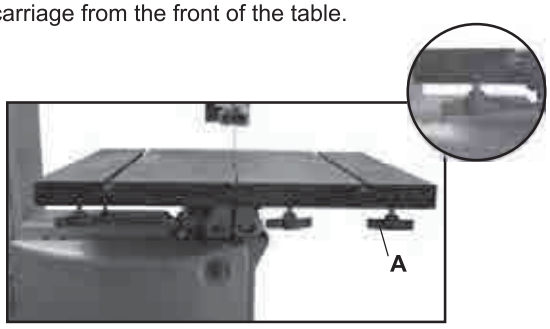
The unpainted surfaces are coated with a oil to protect them from corrosion during shipment. Remove this protective coating with a solvent cleaner or citrus-based degreaser. To clean thoroughly, some parts may need to be removed. For optimum performance from your machine, make sure you clean all moving parts or sliding contact surfaces that are coated. Avoid chlorine-based solvents as they may damage painted surfaces should they come in contact.

Fitting the table

Warning! Before carrying out any maintenance or adjustments the machine must be disconnected from the power supply.

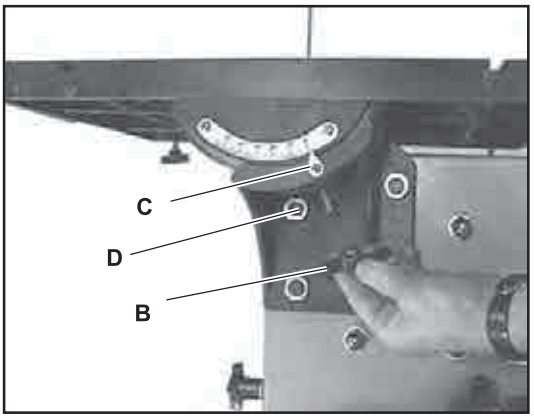
Caution: Due to the weight of the main saw table and other factors, this operation would ideally be carried out by at least 2 persons to reduce the risk of personal injury and / or damage to the machine.

Loosen the four wing nuts**(A)** and remove the rip fence carriage from the front of the table.



Fit the table onto the table trunnion ensuring that the securing bolt is placed through the hole in the trunnion.

Secure the table in place with the securing wing nut**(B)**.



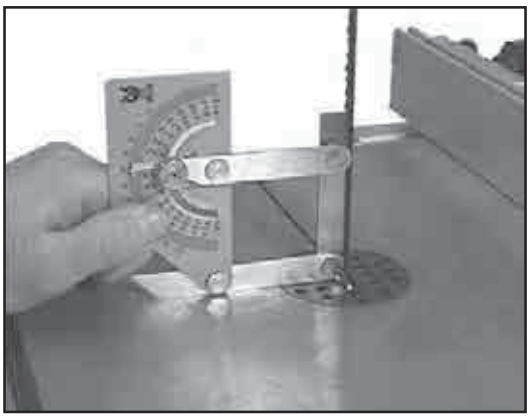
Refit the rip fence carriage and secure in place with the four wing nuts**(A)**.

Note: The bolts only need to be hand tightened at this point as some adjustment may be necessary to set the table correctly.

Setting up the table

Place a suitable set square against the table and the blade.

Loosen the table securing wing nut **(B)** and adjust the table until it is at a right angle to the blade.



Resecure the table.

If necessary loosen the pointer securing screw on the trunnion scale and position the pointer **(C)** to the 0° position.

Place the table insert into the table center hole.

The blade should sit in the centre of the gap on the table insert, if it does not, loosen 4 securing bolts**(D)**, tap the edge of the table (either left or right depending on which way the table needs to go) with a mallet (a scrap piece of wood and a hammer will suffice if a mallet is not available) until the blade is in the correct position.

Proceed to fully tighten the 4 securing bolts **(D)**.

Setting up the blade guides

The blade guides minimise blade movement while making a cut.

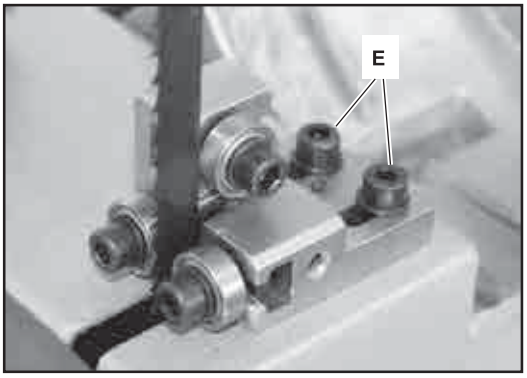
The upper guide bearings and lower guide posts should be 0.5mm away from the sides of the blade.

Position the rear thrust bearings approximately 3mm behind the blade. This will only come into contact with the blade as the work piece is cut.

With the power supply disconnected rotate the blade wheel by hand ensuring that the blade does not catch on the guides.

NB: When using narrow blades (6mm) the lower rear blade support bearing needs to be in contact with the blade.

When wider blades are fitted it will be necessary to move the blade guide assemblies backwards to ensure the blade guides are always in the correct position.



To move the upper assembly loosen the hex bolt **(F)**, slide the assembly until the correct blade to guide position is achieved

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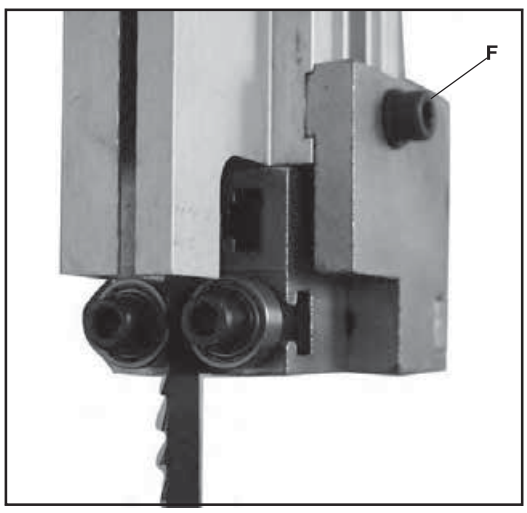
The lower assembly is moved by loosening the 2 hex bolts **(E)**.



Setting up the blade tension & tracking

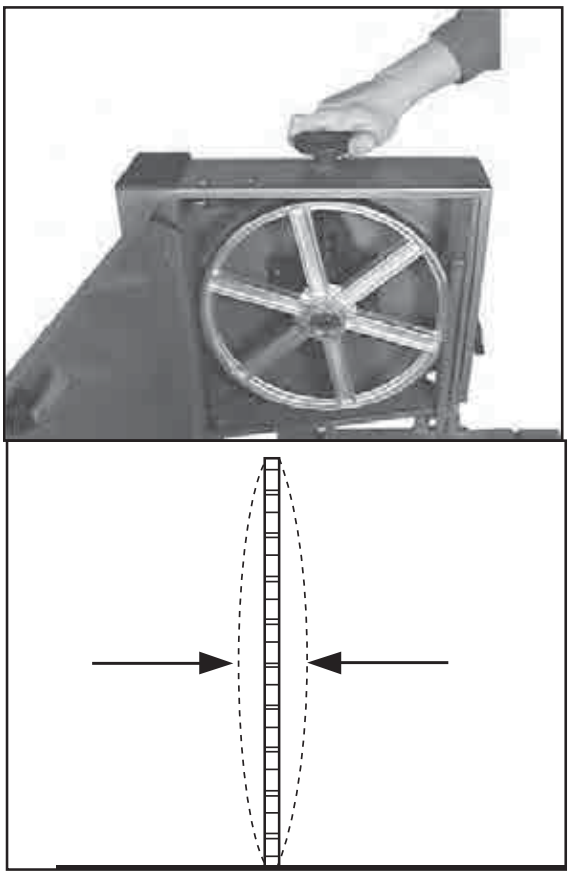
Warning! Before carrying adjustment the machine must be disconnected from the power supply.

Open both the upper and lower blade wheel doors.

Set the blade tension with the blade tension adjusting knob.

Rotating the knob in a clockwise direction will increase the blade tension and anti clockwise will decrease the tension.

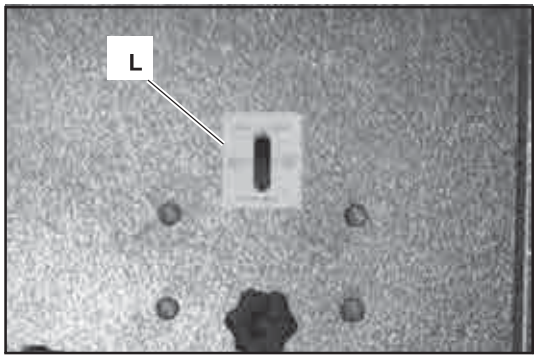
The blade is at the correct tension if it can be moved approximately 10mm sideways with moderate hand pressure .

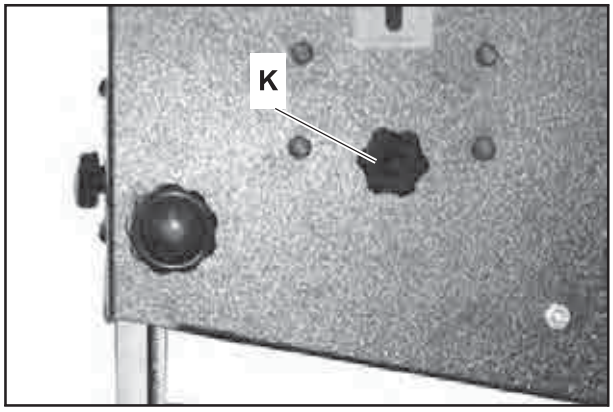


Slowly rotate the upper wheel by hand ensuring that the blade runs in the centre of both blade wheels.

If adjustment is necessary rotate the blade tracking knob**(K)** in or out until the blade runs true .

*Daily run you can use the blade tension indicator***(L)** *to check the blade tension.*





No Volts Emergency Stop Switch

This machine is fitted with a “No Volts Switch”. In the event of a mains power failure or if the mains plug is removed from the mains supply socket before the machine is switched off.

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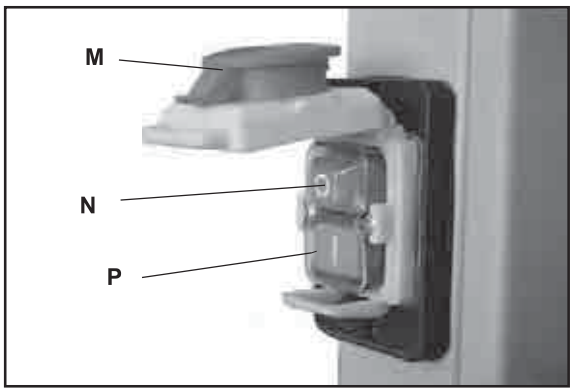
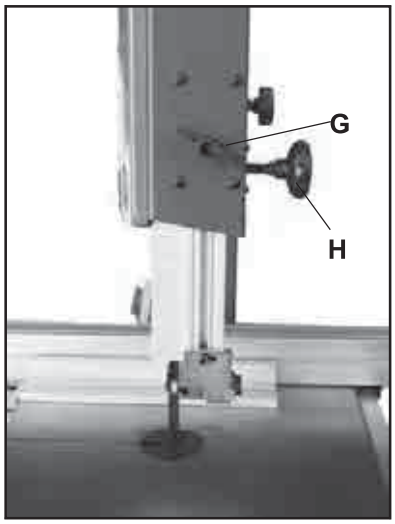


The machine will not re-start without warning when the mains supply is restored or the mains plug is re-connected to the mains supply, until the machine is switched ON at the ON/OFF switch fitted to the machine. The switch is also fitted with an emergency stop cover. To start the machine, lift the emergency stop cover **(M)** and press green the ON button **(N)**. To stop the machine, press the red OFF button **(P)** .

In the event of an emergency, hit the emergency stop cover **(M)** , this will switch the machine OFF and will mechanically lock the emergency stop cover in place preventing the machine from being switched on until the mechanical lock has been released. To release the mechanical lock depress the emergency button and slide it upwards .

Operating instructions

The upper blade guide assembly must be lowered to just clear of the work piece. To lower the assembly loosen the locking knob**(G)** and turn the knob **(H)** to move the upper blade guide assembly upper and down so that it provides approx 2 - 3mm clearance above the workpiece.



Re-secure the locking knob**(G)** .

Set the rip fence to the desired width (ensure that the largest section of the material is against the fence).

Plan the cut before starting.
Ensure that push sticks and other work aids are used when the work piece is too small to enable your hands to be kept clear of the blade.

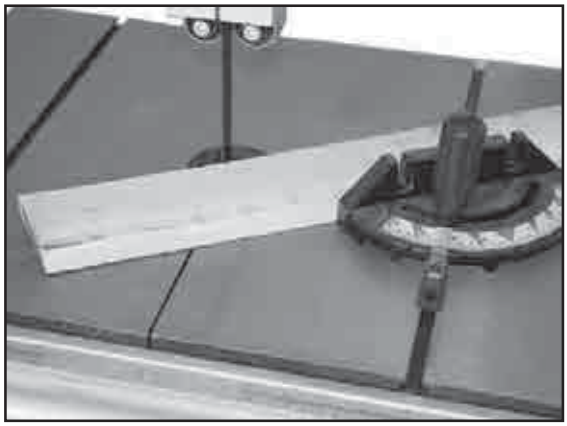
Before commencing a cut on a large work piece ensure that there is sufficient space around the saw for the movement of the piece.
Also ensure that the piece is supported where necessary to avoid undue stress against the blade.
Allow the material to be cut at a steady even pace.

A clear sign that the work piece is being forced to be cut too quickly is the motor changing pitch or slowing down.

Using the mitre gauge

Make a practice cut with the gauge in the 0° position then test the cut with a suitable set square.

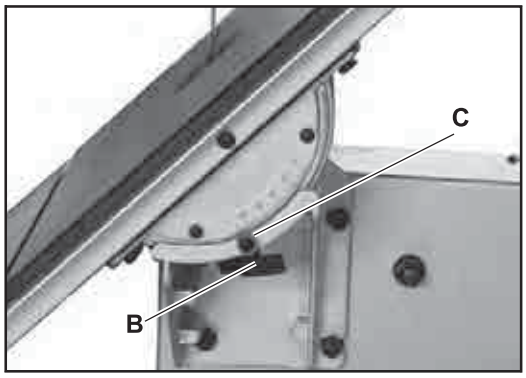
If adjustment is necessary, re position the mitre gauge accordingly, loosen the screw that holds the “pointer” and move the pointer to the 0° position on the scale.
The mitre gauge can be used in either groove in the table.



Set the desired angle on the mitre scale and make the cut securely holding the work piece to the mitre gauge.

Tilting the table to perform bevel cuts

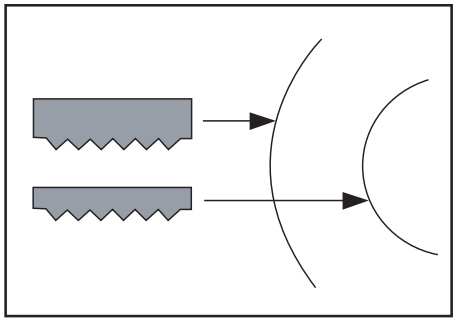
To use the table to perform a bevel cut, loosen the table trunnion locking knob**(B)**. and tilt the table over to the desired angle. Make a practice cut with the table in the 45° position then test the cut with a suitable set square. If adjustment is necessary, re position the table accordingly. Loosen the screw that holds the “pointer” and move the pointer**(C)** to the 45° position on the scale.



Compound mitre cuts can be made by using the mitre gauge in conjunction with the table tilting facility.

Making freehand and radius cuts

The general safety rules apply when making free hand cuts. It is advised that the rip fence is removed during these operations. The table below shows approximate radii that can be cut with which size of blade width.



ADJUSTMENT & MAINTENANCE

Warning! Before carrying out any maintenance or adjustments the machine must be disconnected from the power supply.

Changing the blade

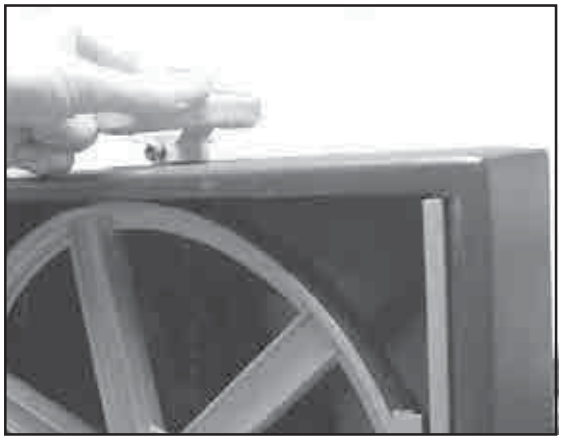
Open both the upper and lower doors.

Remove the rip fence from the table.

Remove the rip fence carriagee from the front edge of the blade slot.

Turn the blade tension knob anti clockwise until there is sufficient play on the blade for it to be removed.

Remove the blade from the machine taking great care to avoid the sharp teeth.



Caution: Because the blade is an endless loop it may spring and coil itself into smaller loops.

Replace the blade in the reverse manner ensuring that the teeth point downwards when viewed from the front of the machine and that the screw is replaced at the front of the blade slot.

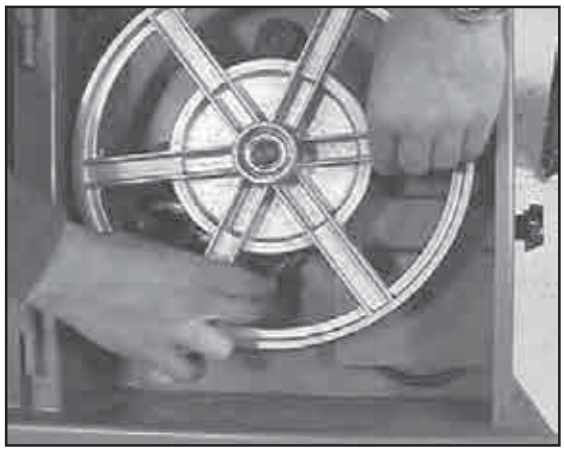
If necessary reset the blade guides in accordance with the pre operation instructions.

Changing the blade speed

Warning! Before carrying out any maintenance or adjustments the machine must be disconnected from the power supply.

To change the speed of the blade, open the lower blade wheel cover. Fully slacken the belt tension by using the drive belt tension knob.

Slowly rotate the blade wheel by hand and at the same time ease the drive belt off the largest motor pulley onto the smallest motor pulley.



Using the same procedure move the drive belt from the smaller drive wheel pulley(R) onto the largest drive wheel pulley.

Caution! Whilst performing this operation take care that your fingers do not become trapped between the belt and the pulley. Re-tension the belt using the belt tension knob.

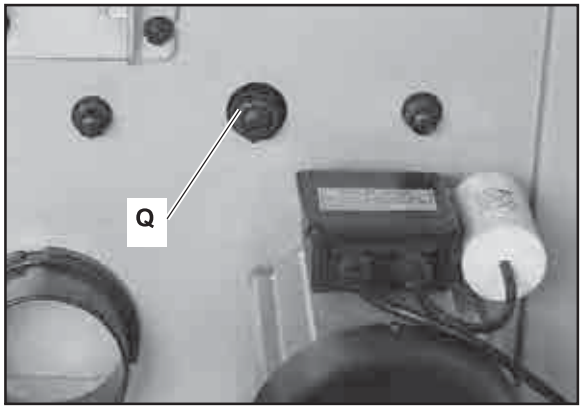
NB: The high blade speed is achieved when the drive belt is on the larger diameter drive pulley (motor).

Replacing the drive belt

Remove the blade (see changing the blade).

Follow the procedure for changing the blade speed to release the belt tension.

Remove the blade wheel securing nut and washer**(Q)**.

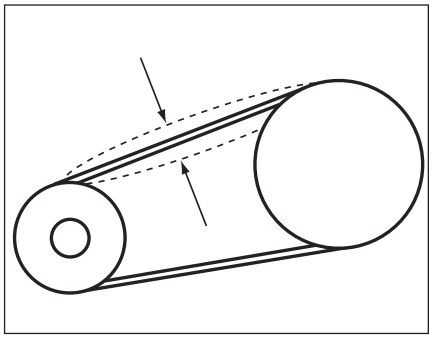


Pull the blade wheel off the machine (it may be necessary to tap the threaded end of the shaft with a suitable soft faced mallet).

Place the new belt over the drive gear and replace the wheel in the reverse manner.

NB: Ensure the blade wheel spacer washers are in place when re-fitting the wheel).

Re-tension the belt.



Operation the moveable work stand

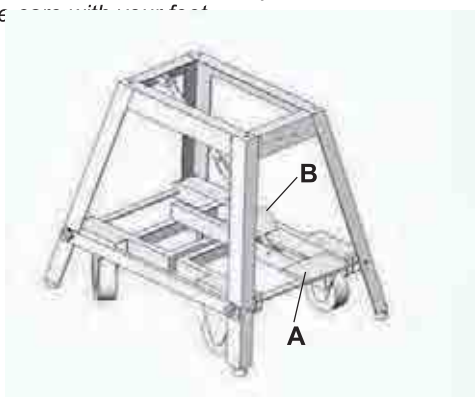
(Optional: the moveable work stand is only for BS 315)

Install the moveable work stand as partslist diagram C.

To rise the machine, push the pedal (A) down, and ensure the bracket (B) onto lock position, and moving the machine to any position.

To lower the machine,push the bracket (B) forward to loose position. the machine shall lower onto floor.

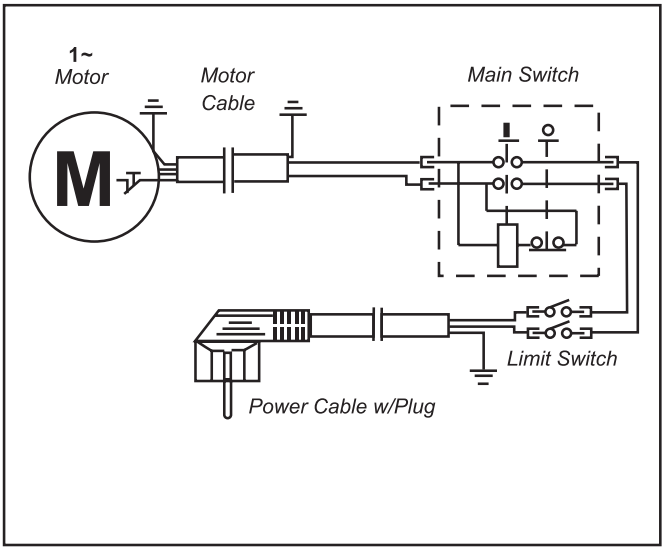
Caution**:** Must *slowly lower the machine and make*

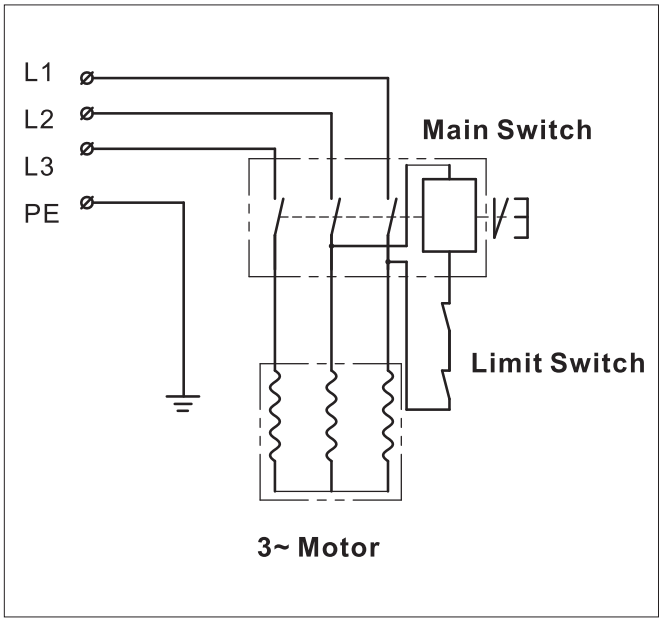


WIRING DIAGRAM

WARNING! This machine must be grounded.

Replacement of the power supply cable should only be done by a qualified electrician.





TROUBLESHOOTING

Warning: For your safety, always turn off and unplug the machine before carrying out any troubleshooting.

Problem	Possible Cause	Remedy
The machine does not work when switched on:	● Damaged mains lead. ● Problem with the electrical supply. ● Defective switch. ● Defective motor.	● Check the cable for damage. ● Check for power at the mains. ● Have the switch checked, repaired / replaced. ● Have the motor checked, repaired / replaced.
The blade does not move with the motor running:	● The quick release lever or blade tension handwheel has not been tightened. ● The blade has fallen from one of the wheels. ● The saw blade has broken. ● The drive belt has snapped.	● Switch off the motor, tighten the quick release lever and/or blade tension hand-wheel. ● Open the door and check the blade, replace as necessary. ● Check the blade , replace as necessary. ● Check the belt and replace as necessary.
The blade does not cut in a straight line:	● Rip-fence for not used or incorrectly fitted. ● Feed rate too fast. ● The blade teeth are dull or damaged. ● Blade guides not correctly adjusted.	● Use a fence, check for correct alignment. ● Use lighter pressure on the work-piece & allow the saw to do the cutting. ● Replace the damaged blade with a new one. ● Adjust the blade guides.
The blade does not cut, or cuts very slowly:	● The teeth on the blade are dull. ● Incorrect blade being used for the type of cut / material. ● Wrong speed being used for type of cut /material. ● The blade was mounted in the wrong direction.	● Replace the blade. ● Fit the correct blade. ● Change the speed of the blade. ● Fit the blade correctly.
Sawdust builds up inside the machine:	● This is normal.	● Regularly clean out sawdust from all areas of the saw. Use of an adequate dust extractor will minimize this issue.
Table saw vibrates excessively:	● Floor surface is uneven. ● V-belt is damaged. ● Saw blade is damaged. ● Loose bolt, Screws, Nuts.	● Sit the saw on a level surface. ● Replace the V-belt. ● Replace the Saw Blade. ● Tighten all Hardware.
Fuses or circuit breakers blow or open frequently:	● Motor is overloaded. ● Fuses or circuit breakers are wrong size or defective. ● Dull saw blade. ● Power Switch or motor is defective.	● Feed work-piece more slowly. ● Replace fuses or circuit breakers. ● Replace the saw blade. ● Have the Power Switch or motor checked, repaired or replaced.

PARTS LIST & DIAGRAM

When ordering repair parts, always give the following information: Model number, Diagram Number, Item number, Part description
i.e. *Model: BS400 Diagram A, 79, Motor*

Parts List (Diagram A)

No.	Description	Qty	No.	Description	Qty
A1	Column Cover	1	A44	Flat Washer 16	1
A2	Sawing Body	1	A45	Double End Bolt	3
A3	Copper Washer 6	4	A46	Big Triangular Frame	1
A4	Switch	1	A47	Rubber Belt	2
A5	Hexagon Head Bolt M8X20	4	A48	Hex Socket Set Screw With Flat Point M5X81	
A6	Motor	1	A49	Flat Washer 10	1
A7	Dust Collect Tube	1	A50	Cross Recessed Pan Head Screw M6X12	4
A8	Upper Door	1	A51	Guide Pole Frame	1
A9	Lower Door	1	A52	Guide Pole	1
A10	Thin Nut	4	A53	End Cover	1
A11	Rolling Axle	4	A54	Tapping Screw St5.0X16	2
A12	Curved Spring Washer 10	8	A55	Square-Necked Bolt M8X25	5
A13	Rolling Axle Sleeve	4	A57	Semicircle Head Screw M6X20	1
A14	Closing Door Board	4	A58	Upper Guide Frame	1
A15	Cross Countersunk Head Screw M6X8	4	A59	Upper Guide Bearing Frame	1
A16	Cross Recessed Pan Head Screw M5X8	5	A60	Flat Washer 6	9
A17	Flat Washer 5	8	A61	Strip-Shaper Nut	1
A18	Hexagon Socket Cap Head Screw M6X20	2	A62	Bearing 80016	6
A19	Upper Guide Key	1	A63	Cross Recessed Pan Head Screw M5X10	4
A20	Hand Wheel	1	A64	Left Safety Cover	1
A21	Cross Recessed Pan Head Screw M6X16	1	A65	Right Safety Cover	1
A22	Flat Washer 12	4	A66	Hexagon Socket Cap Head Screw M6X20	6
A23	Adjusting Screw Pole	1	A67	Square Nut M6	6
A24	Spring	1	A68	Nut Board	1
A25	Square-Shaper Nut	1	A69	Lower Guide Frame	1
A26	Steel Pin	2	A70	Hexagon Socket Cap Head Screw M6X18	1
A27	Saddle Guide Board	2	A71	Slide Block	1
A28	Flat Washer 8	25	A72	Hexagon Head Bolt M6X18	2
A29	Hexagon Head Bolt M8X20	4	A73	Butterfly-Shaper Nut	2
A30	Upper Wheel Saddle	1	A74	Small Gear	1
A31	Small Triangular Frame	1	A75	Gear Rod	1
A32	Upper Wheel Shaft	1	A76	Square-Necked Bolt M8X50	1
A33	Adjusting Handle	1	A77	Eccentric Wheel	1
A34	Bearing 80202	2	A78	Gear Rod Frame	1
A35	Upper Wheel	1	A80	Hexagon Head Bolt M8X44	1
A36	Saw Blade	1	A81	Insert	1
A37	Axis Elastic Ring D15	1	A83	Table	1
A38	Lower Wheel	1	A84	Hex Socket Set Screw w/Flat Point M6X12	1
A40	Lower Wheel Shaft	1	A85	Gear Handle	1
A41	Hexagon Nut M16	1	A86	Cross Recessed Pan Head Screw M5X16	2
A42	Lid Shape Nut	3	A87	Ring for Press Wheel Screw Pole	1
A43	Motor Wheel	1	A88	Rotating Angle Rule	1

Parts List (Diagram A) *(cont…)*

No.	Description	Qty	No.	Description	Qty
A89	Semi-Round Support Frame	1	A113	Circlip for Hole D40	2
A90	Hexagon Socket Cap Head Screw M8X20	4	A114	Axis Elastic Ring D17	1
A91	Point	1	A115	Lock Washer External Teeth 5	2
A94	Plastic Bush	4	A116	Guide Pole Rack	1
A95	Rotating Bracket	1	A117	Gear Shaft Spring	1
A96	Key	1	A118	Hex Socket Set Screw W/Flat Point M6X5	2
A97	Hexagon Nut M8	7	A119	Circlip for Hole D28	2
A98	Drive Belt	1	A120	Gear Shaft Bush	2
A99	Axis Elastic Ring D12	1	A121	Spring Leaf	2
A100	Bearing 80101	2	A122	Hexagon Nut M5	2
A101	Press-Wheel	1	A123	Step Bolt M8X100	2
A102	Press-Wheel Shaft	1	A124	Brush	2
A103	Press-Wheel Screw Pole	1	A125	Bush Tube for Brush	2
A104	Spring-Type Straight Pin 3X20	1	A126	Push Stick	1
A105	Press-Wheel Knob	1	A127	Push Stick Nail	1
A107	Protect Board	1	A128	Hexagon Nut M4	4
A108	Spring Washer 12	3	A129	External Teeth Washer 4	4
A109	Spring Washer 8	10	A130	Flat Washer 4	8
A110	Spring	1	A131	Interlock Switch (With House)	2
A111	Circlip for Hole D35	2	A132	Semicircle Head Screw M4X30	4
A112	Bearing 80203	2			

Parts List (Diagram B)

No.	Description	Qty	No.	Description	Qty
B1	Miter Gauge Knob	1	B24	Nut Board	1
B2	Flat Washer 6	4	B25	Rip Fence	1
B3	Miter Gauge	1	B26	Round Head Rivets w/Small Head Φ3X13	2
B4	Cross Recessed Pan Head Screw M5X10	2	B27	Lock Block	1
B5	Point	1	B28	Lock Spring	1
B6	Miter Gauge Block	1	B29	Lock Plate	1
B7	Miter Gauge Rod	1	B30	Selflock Hexagon Nut M6	1
B8	Cross Countersunk Head Screw M5X12	1	B31	Round Head Rivets With Small Head 3X7	2
B9	Scale	1	B32	Bearing Bush	1
B10	Thread Dowel	1	B33	Bearing 80016	1
B11	Miter Gauge Scale	1	B34	Hexagon Socket Cap Head Screw M6X24	1
B12	Front Rail	1	B35	Rip Fence Board	1
B13	Right End Cap	1	B36	Spring-Type Straight Pin 3X12	1
B14	Tapping Screw M5X12	6	B37	Rear Block	1
B15	Thumb Screw	4	B38	Lock Eccentric Rod	1
B16	Flat Washer 8	4	B39	Lock Eccentric	2
B17	Left End Cap	1	B40	Rip Fence Lock Rod	1
B18	Cross Countersunk Head Screw M5X10	2	B41	Rip Fence Handle	1
B19	Nylon Block	2	B42	Hexagon Socket Cap Head Screw M6X10	4
B20	Rip Fence Frame	1	B43	Flat Washer 6	7
B21	Scale Indicator	2	B44	Hexagon Socket Cap Head Screw M6X12	3
B22	Tapping Screw M4X10	2	B45	Rear Rail	1
B23	Rip Fence Cover	1			

DIAGRAM A

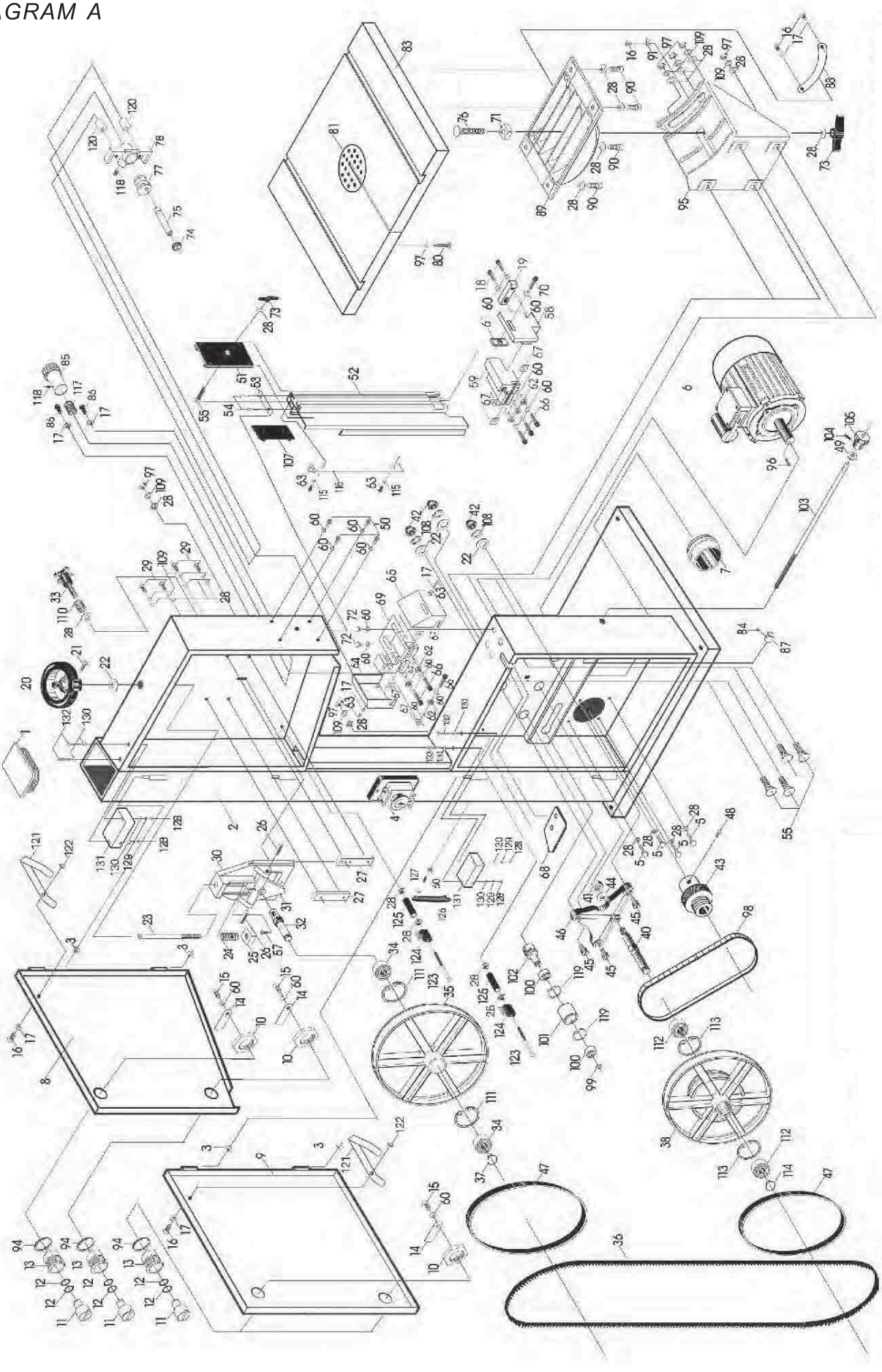
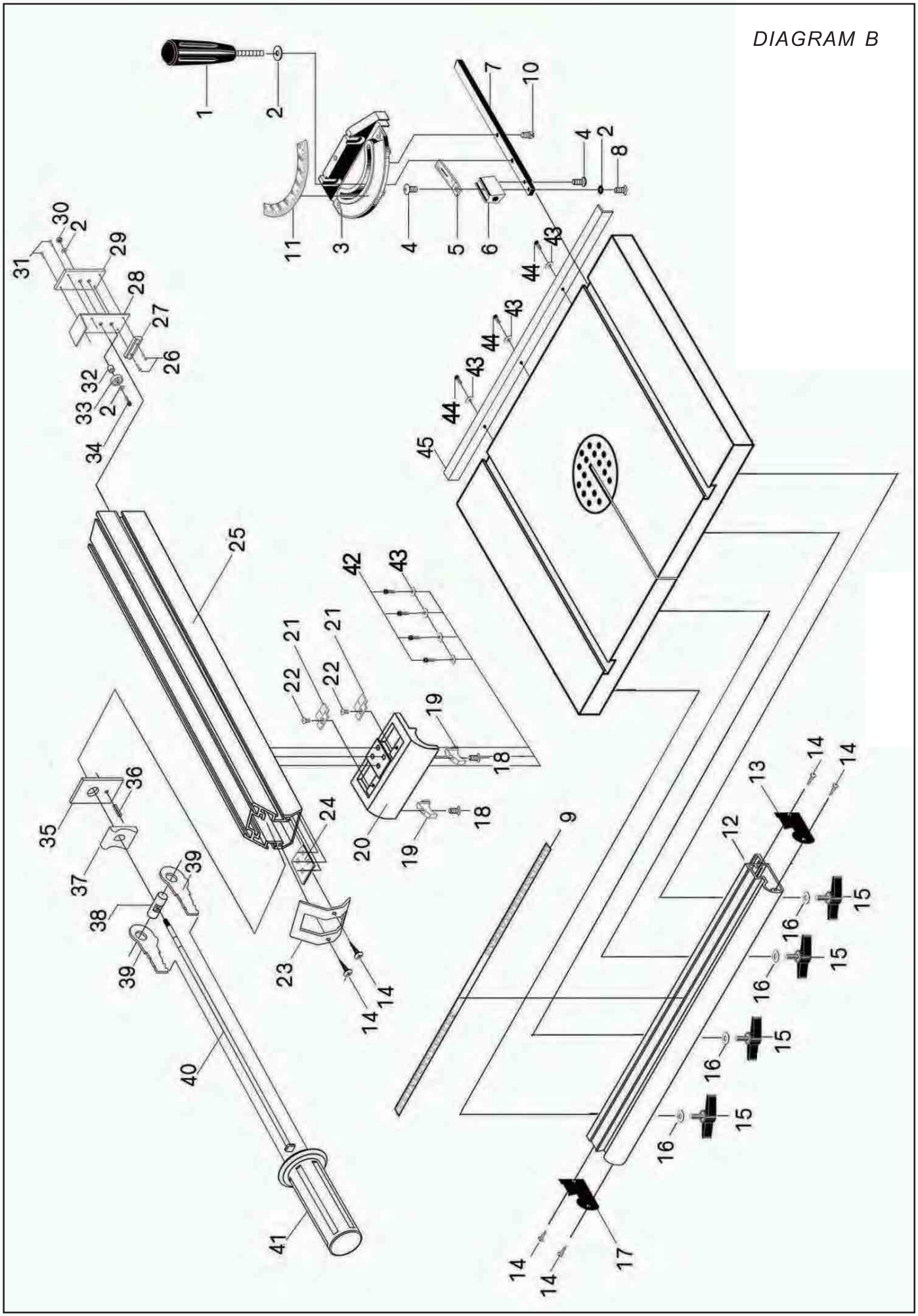


DIAGRAM B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Parts List (Diagram C) (Optional: the moveable work stand is only for BS 315)

No.	Description	Qty	No.	Description	Qty
1	Hex head screw M6x16	2	11	Spring	1
2	Washer 6 mm	2	12	Bracket B	1
3	Hex nut M14	8	13	Fixed castor	2
4	Spacer	8	14	Bracket A	1
5	Bracket	2	15	End cap	2
6	Castor shaft	2	16	Pedal	1
7	Support	1	17	Swivel castor	2
8	Hex nut M6	2	18	Hex head screw M8x16	8
9	Hex head screw M6x30	2	19	Frame, wheel kit	1
10	Lock nut M6	3			

DIAGRAM C