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Woodworking machinery at its best!

14” BANDSAW
OPERATING INSTRUCTIONS

MODEL: W730

CE

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GENERAL SAFETY RULES

WARNING: Do not attempt to operate the machine until you have thoroughly read 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 the 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
8. from the work area.

9. Make workshop childproof. Use padlocks, master switches and remove starter keys.

10. Do not force the machine. It will do the job better and be safer at the rate for which it is designed.

11. 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.

12. 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.

13. Always use safety glasses. Normal spectacles only have impact resistant lenses. They are not safety glasses.

14. Do not over-reach. Keep proper footing and balance at all times.

15. Maintain the machine in good condition. Keep the machine clean for best and safest performance. Follow instructions for lubrication and changing accessories.

16. Disconnect the machine from power source before servicing and when changing the blade.

17. Never leave the machine running unattended. Turn the power off. Do not leave the machine until it comes to a complete stop.

18. Do not use any power tools while under the effects of drugs, alcohol or medication.

19. 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 BAND SAWS

1. Ensure that the saw table is clear of off-cuts, tools or anything else that might foul the work-piece.

2. When cutting long boards use one or more roller stand(s) to support the work or have a competent helper to support it as it feeds off the rear of the table.

3. Always make sure that the blade is tracked and tensioned correctly before starting to use the saw.

4. Always use a brush to clear the table of dust or debris. **NEVER** use your hands, especially when the machine is running.

5. Always ensure that the thrust bearings and guide blocks are correctly adjusted before using the saw.

6. ALWAYS USE A PUSH STICK WHEN IT IS NECESSARY TO PUSH ANY PIECE OF MATERIAL OF SUCH SIZE THAT IT WOULD BRING YOUR HANDS WITHIN 30 CM OF THE BLADE.

7. Do not cut material that is badly warped or which has screws or nails in it.

8. Be extra vigilant when cutting stock which has loose knots in it as these my fly out of the saw.

9. NEVER tilt the table when the saw is running.

10. To avoid exposure to hazardous dust, do not use this saw without connecting it to a suitable dust extractor.

11. Always work with a sharp saw blade and feed the work at a rate suited to the thickness and hardness of the material.

Note: This band saw has been designed and built solely as a woodworking machine. Do not modify it in any way or use it for anything other than its designated purpose. Neither the manufactures nor the supplier are liable for any damage or injury caused by incorrect assembly, operation or electrical connection of this machine.

Specification

Table size	550 x 400 mm
Table height	1000 mm
Motor	1100W
Blade length	2560 mm
Blade widths	6 to 19 mm
Blade speeds (no load)	370 and 800 m/min
Maximum depth of cut at 90°	230 mm
Throat capacity	340 mm
Dust extractor hose connection	100 mm
Weight	92kg nett
Dimensions (W x D x H)	800 x 570 x 1740 mm

Features

Precision ground, cast iron table with adjustable scale on rip fence carrier

0 to 45° table tilt

High Quality, British made blade

High blade speed for cutting most wood

Low blade speed for cutting very hard woods, plastic and metal (with a suitable blade)

Quick release, positive lock rip fence

Cross cut/mitre fence with easily read scale

Tool free blade tracking and tensioning

Ball bearing upper and lower blade guides and thrust bearings

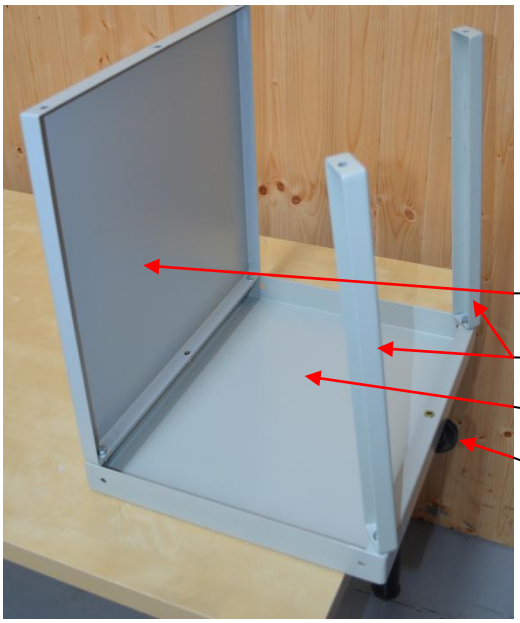
Unpacking

Cut the strapping, open the carton and remove all parts from the packaging

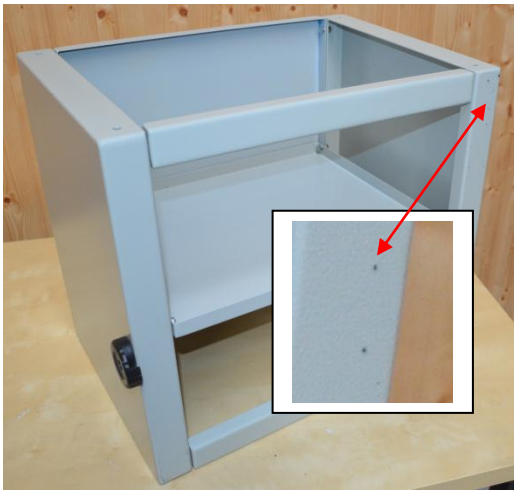
Assembly

Building the base

This is most easily accomplished on a bench or table



Leave all nuts and bolts finger tight until you have finished assembling this base. Start with right hand side, which has a black knob attached to it. Hang this over the edge of the bench or table and then attach the upper and lower front braces and the back panel



Add the left hand side ensuring that the four small holes for the hinge fixing screws are at the front of the cabinet.

Fit the shelf (this is easier if the cabinet is inverted as shown in this picture).

Bolt the cabinet on to base.

Hold the door in position and fix the top hinge to the door frame with a self tapping screw.

Do the same with the bottom hinge.

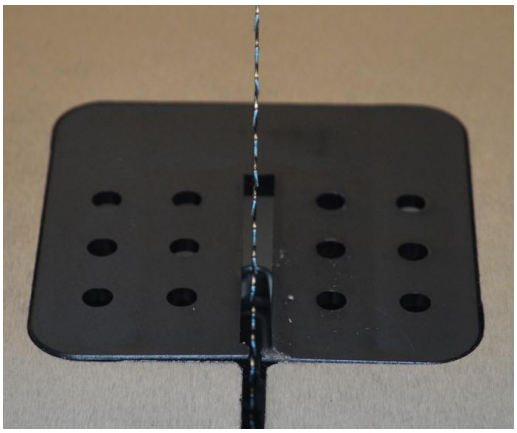
Square up the cabinet and tighten all fixing bolts.

Fitting the Saw to the Base

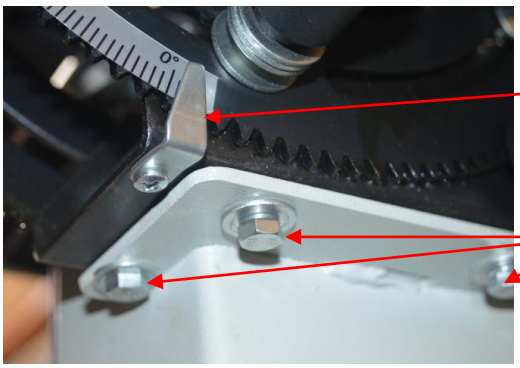
Please note that this is a two person operation. You risk serious personal injury and possible damage to the machine if you try to do this single handed.

Two people should lift the saw and lower it into place. Secure it with the four countersunk setscrews, washers and nuts provided.

Place the table in position on the trunnion and fix it with the four bolts M8

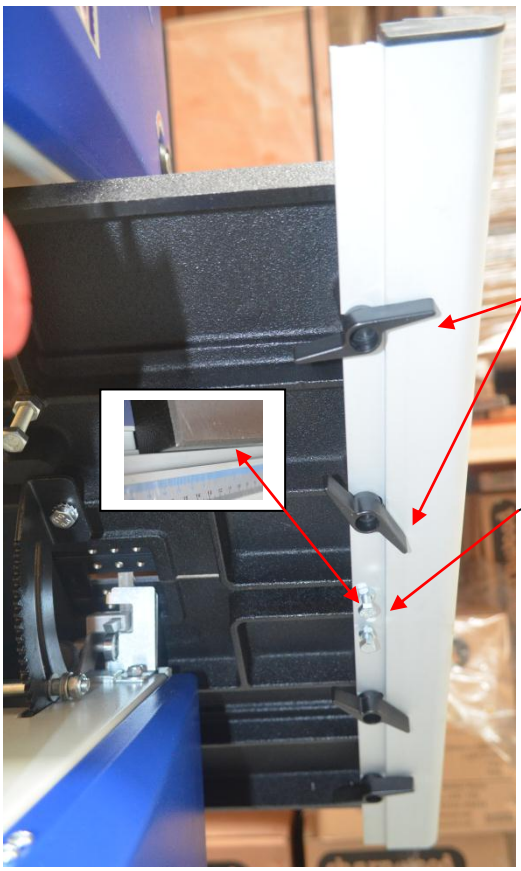


Check to see if the blade is centred in the slot. You will probably find that it is offset to one side or the other.



This pointer is adjustable if the setscrew is loosened. You may need to make a small adjustment after the table is set perpendicular to the blade.

If the table needs to be moved laterally to centre the slot on the blade, loosen these three screws, move the table to the correct position and retighten the bolts.



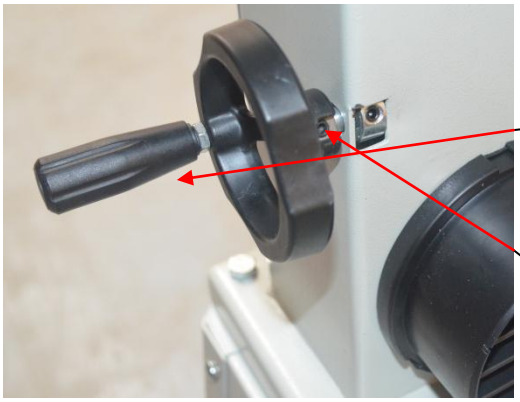
Screw the four hex, wing bolts and washers into the tapped holes on the underside of the table and slide the rip fence carrier on to them.

Adjust the two hex headed bolts so that the carrier fits snugly to the table with no gap between its upper edge and the table.

If you do not keep the carrier tight to the table the rip fence will not be perpendicular to it.

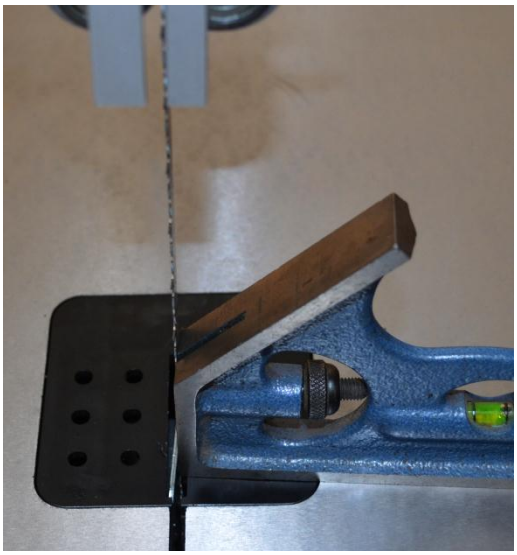
Screw in and lock the push stick hanger.

Hang the push stick on it and remember that this is one of the world's best finger preservers!



Fit the belt tension control handle to the spindle protruding from the front of the lower front face of the saw, noting that the grubscrew in the boss should be opposite the flat on the spindle.

Tighten the grubscrew securely.



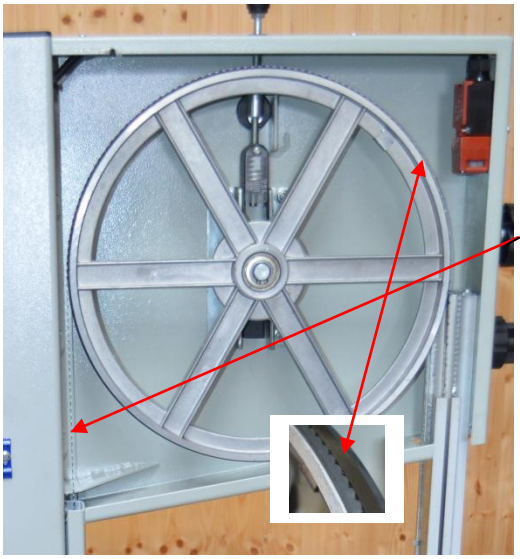
Apply a little tension to the blade and use a set square to position the table at right angles to it.

Lock it in position and if necessary, adjust the level stop screw and the pointer so that it aligns with the zero as shown earlier.

Setting up your saw

Quick blade tensioner (shown in tight position). Looking from the front, turn in an anticlockwise direction to slacken

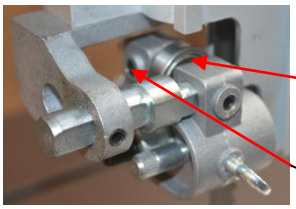
Tracking control and lock

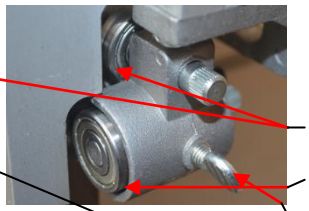


After ensuring that the quick adjuster is set in the + position, adjust the blade tension with the hand wheel on top of the upper housing.

'Pluck' the back of the blade, as you would the string of a double bass, at this point. As the blade tension is increased, the pitch of the sound will rise. Stop increasing the tension as soon as the sound starts to become dull. Alternatively, raise the blade guard to its highest position and adjust tension until the blade, at the midpoint between table and guard can be deflected only 3 to 5 mm with finger pressure.

Turn the upper wheel clockwise, by hand and adjust the tracking control until the blade is centred on the wheel, as shown in the inset illustration. Lock the adjuster in this position.





The upper and lower thrust and guide bearings should be set up next.

Thrust bearing

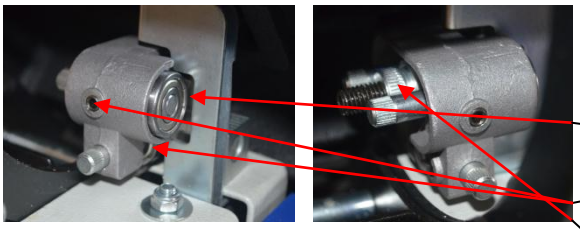
Guide bearing

Guide bearing locking screws

Thrust bearing locking screw

Slacken the guide bearing locking screws, move the bearings in until they touch the blade. Rotate the top wheel by hand a few turns and lock the bearings in place.

The thrust bearing should be about 0.5 mm behind the back of the blade. Adjust it and lock it place.

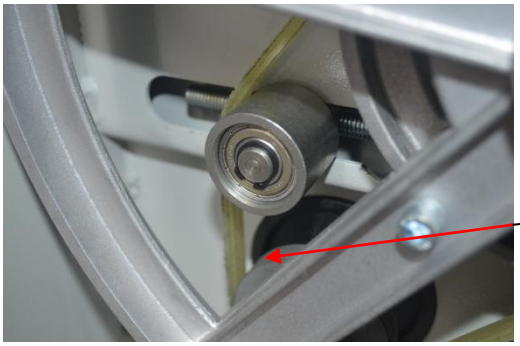


The lower thrust and guide bearing are adjusted similarly.

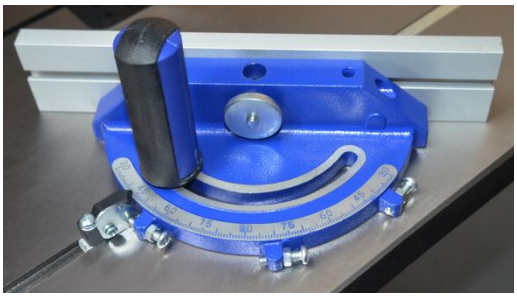
Guide bearing

Locking screws

Lower thrust bearing adjusting screw

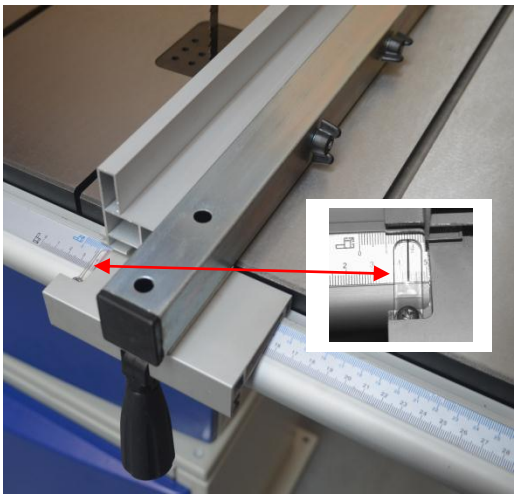


Release the belt tension by turning the tension control handle on the front of the lower housing. Move the belt from the larger pulley to the smaller one and then from the smaller to the larger on the other pair. Always have drive belt on one large and one small pulley.



This bandsaw is equipped with a cross cut/mitre fence which can be fitted as shown.

The fence is equipped with adjustable stops for .45° and 90° cuts.



The rip fence is reversible and may be used on either side of the blade.

The cursor can be adjusted. Loosen the screw, set the cursor and retighten.

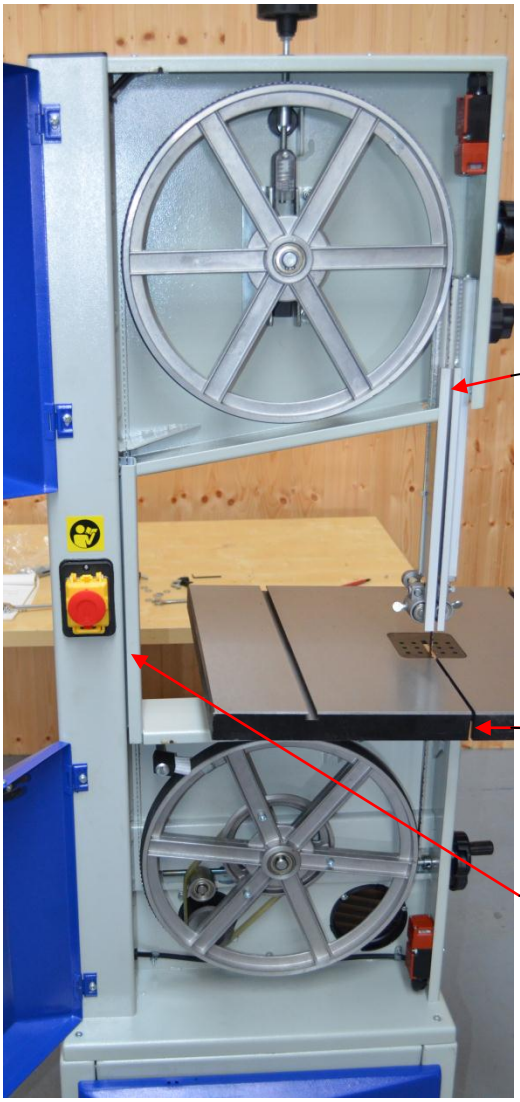
Your bandsaw is now ready for use but it is recommended that a suitable dust extractor is connected before use.

Changing the Blade

Bandsaw blades are sharp enough to cause injury even when too blunt to cut wood! It is recommended that protective gloves be worn when handling blades.

Unplug the bandsaw from the mains socket, slacken off the blade tension and open the upper and lower housing doors. Although there are two micro-switches which will prevent the saw from being started with a door open, disconnection is a good habit to develop.

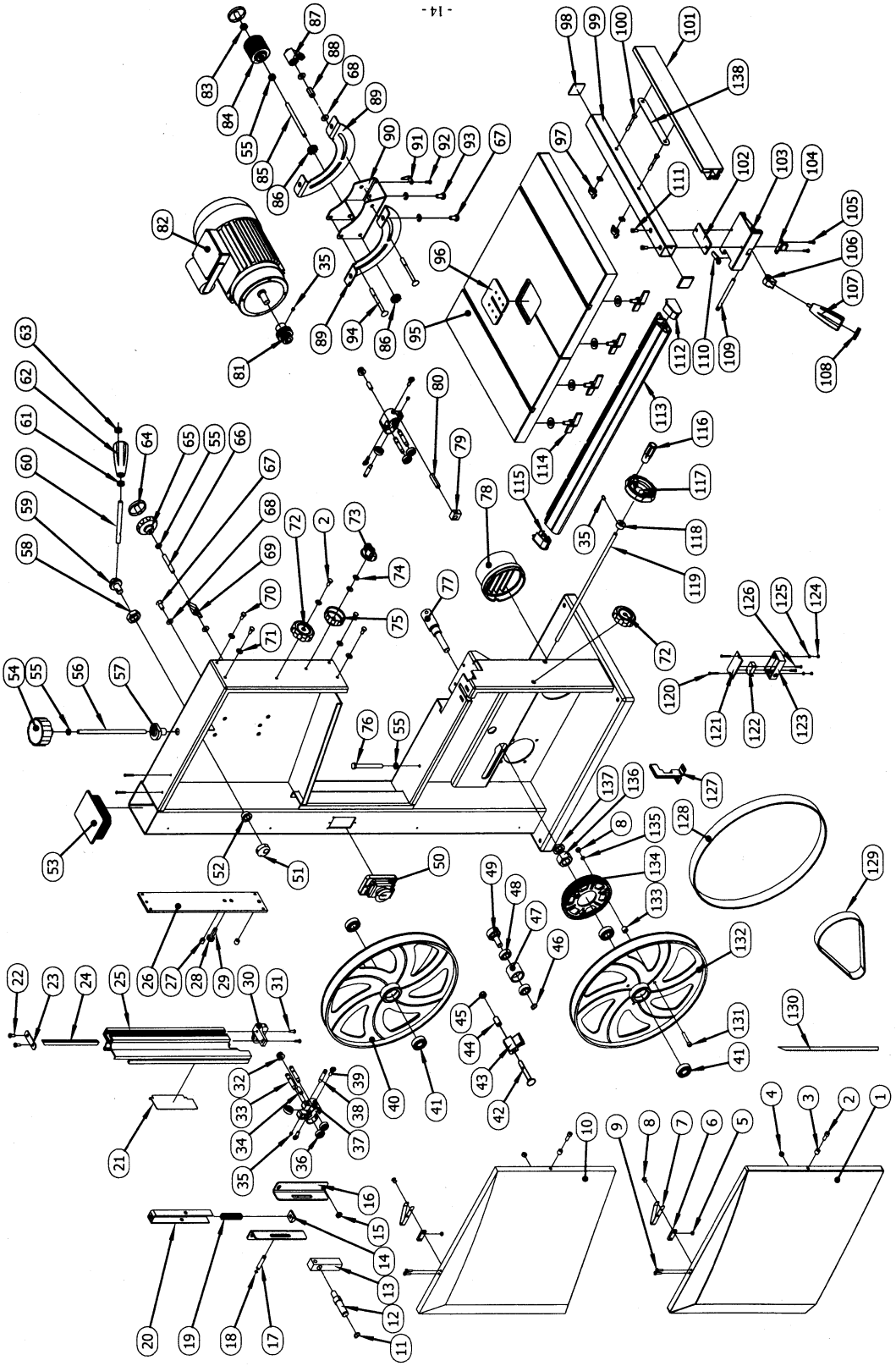
Remove the rip fence carrier.



Reverse these steps to fit the new blade. Ensure that the teeth are at the front and pointing down.

Position the blade between the upper and lower guide bearings. Tension the blade and adjust the tracking as done during the initial set up. Check and adjust, if necessary, the position of the bearings.

Parts List A – Saw Assembly



Parts List A

No	Name	Qty
001	Lower door	1
003	Spacer bush	2
005	Nut	8
007	Spring plate	2
009	Screw	4
011	Circlip	2
013	Upper bearing bolt support	1
015	Hex. flanged nut	4
017	Shaft	1
019	Spring	1
021	Slider	1
023	Cover board	1
025	Guide carrier extrusion	1
027	Pin	2
029	Pinion shaft	1
031	Self tapping screw	2
033	Guide shaft	4
035	Cap head screw	4
037	Guide bearing housing	3
039	Setting knob	4
041	Bearing	4
043	Brush	1
045	Flanged nut	1
047	Idler wheel	1
049	Sliding shaft	1
051	Cam	1
053	End cap	1
055	Thin hex nut	1
057	Bush	1
059	Quick release shaft bearing	1
061	Thin nut	1
063	Thin nut	1
065	Setting knob	1
067	Hex head bolt	8
069	Wing nut	5
071	Washer	8
073	Locking knob	1
075	Adjusting knob	1
077	Lower bearing bolt	1
079	Lower guide housing	1
081	Motor pulley	1
083	Nut	1
085	Shaft	1
087	Locking handle	1
089	Upper trunion	2
091	Pointer	1
093	Bolt	4
095	Table	1
097	Wing nut	2
099	Fence bracket	1
101	Fence	1

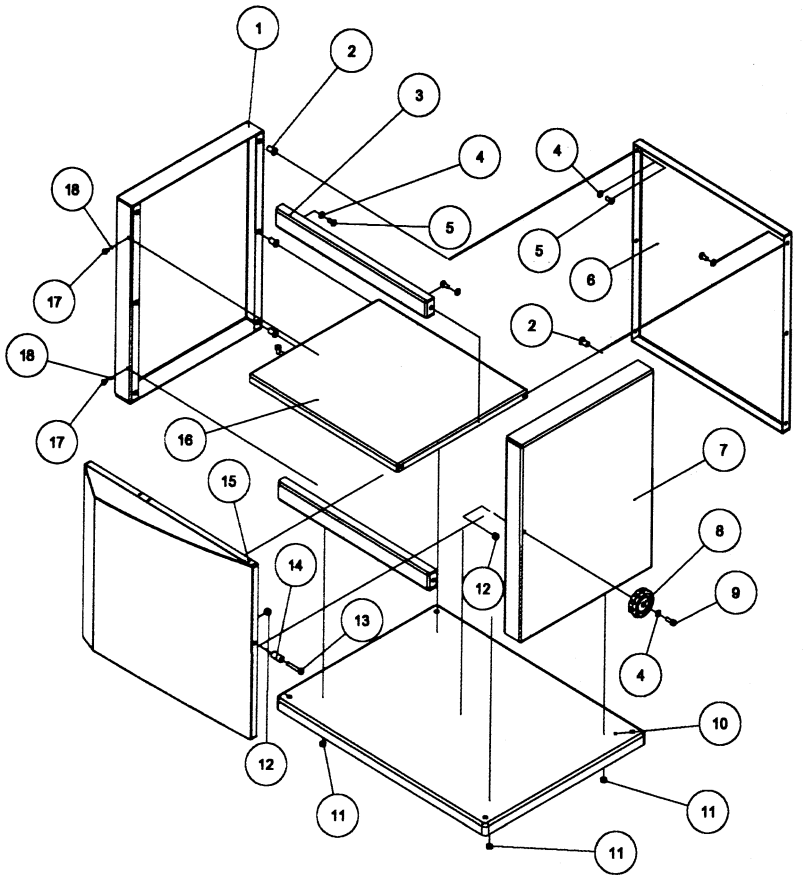
No	Name	Qty
002	Cap head bolt	4
004	Lock nut	4
006	Joining block	2
008	Rivet	4
010	Upper door	1
012	Upper bearing bolt	1
014	Nut	1
016	Guide plate	2
018	Split washer	2
020	Tension bracket frame	1
022	Self tapping screw	2
024	Rack	1
026	Pressure plate	1
028	Pinion	1
030	Upper guide carrier	1
032	Adjusting nut	2
034	Cap head bolt	2
036	Guide bearing	6
038	Pilot shaft	2
040	Upper wheel	1
042	Coach bolt	4
044	spacer	1
046	Circlip	1
048	Bearing	2
050	NVR switch	1
052	Spacer	1
054	Tension setting knob	1
056	Threaded rod	1
058	Nut	1
060	Quick release shaft	1
062	Locking handle	1
064	Cap	1
066	Shaft	1
068	Washer	13
070	Hex head bolt	4
072	Door knob	2
074	Washer	1
076	Bolt	1
078	Dust extraction outlet	1
080	Guide pin housing	1
082	Motor	1
084	Hand wheel	1
086	Gearwheel	2
088	Spacer	1
090	Lower trunnion	1
092	Screw	1
094	Coach bolt	2
096	Table insert	1
098	End cap	2
100	Coach bolt	2
102	Pressure plate	1

103	Fence carrier	1
105	Self tapping screw	2
107	Handle	1
109	Shaft	1
111	Cap head bolt	2
113	Rip fence carrier	1
115	End cap, left	1
117	Hand wheel	1
119	Belt tensioner shaft	1
121	Microswitch cover	2
123	Microswitch box	2
125	Lock washer	4
127	Blade guard	1
129	Belt	1
131	Cap head bolt	3
133	Spacer	1
135	Spring washer	3
137	Spring washer	1
139	Frame	1
141	Parallel pin	1
143	Spring	1
145	Push stick	1

104	Plastic pressure plate	1
106	Cam	1
108	Cap	1
110	Pointer	1
112	End cap, right	1
114	Wing bolt	4
116	Handle	1
118	Setting collar	1
120	Screw	4
122	Microswitch	2
124	Nut	4
126	Self tapping screw	2
128	Tyre	2
130	Blade	1
132	Lower wheel	1
134	Pulley	1
136	Hex nut	1
138	Fixing plate	1
140	Scale	1
142	Table angle scale	1
144	Spacer	1
146	Hook	1

Please note that items 140 to 146 are not shown on the drawing.

Parts List B – Floorstand Cabinet



No	Name	Qty
B01	Left end panel	1
B03	Front brace	2
B05	Hex head bolt	16
B07	Right end panel	1
B09	Bolt	1
B11	Nut	4
B13	Bolt	1
B15	Door	1
B17	Self tapping screw	2

No	Name	Qty
B02	Nut	1
B04	Washer	21
B06	Back panel	1
B08	Knob	1
B10	Base	1
B12	Lock nut	2
B14	Spacer	1
B16	Shelf	1
B18	Washer	2