

WOOD BAND SAW

MODEL MJ343BN/MJ343CN



CE

INSTRUCTION MANUAL

Please read the manual before using it

IT'S IMPORTANT THAT YOU READ THE RETIRE MANUAL TO BECOME FAMILIAR WITH THE UNIT BEFORE YOU BEGIN ASSEMBLY.

1. TECHNICAL SPECIFICATIONS

NO	ITEMS		UNIT	TYPE	
				MJ343BN	MJ343CN
1	Saw wheel diameter		mm	350	315
2	Table pivot capacity		°	0-45 °	0-45 °
3	Processing Scope	Max height	mm	200;235	180
		Max width	mm	335	300
4	Length of saw blade		mm	2480;2550	2270
	Width of saw blade		mm	6-15	6-15
5	Line speed of saw blade		m/s	12;10	12;6
6	Necessary Motor	Power	HP/Kw	1;0.75	0.75;0.55
		Voltage	V	230;110	230;110
		Frequency	Hz	50;60	50;60
		Rotational speed	RPM	1400;1700	1400;1700

2. PACKAGING

Accessories

- 1) mitre gauge (according to the customers' requirement)
- 2) manual
- 3) saw mouth board

3. IMPORTANT SAFETY INSTRUCTIONS!

READ ALL INSTRUCTIONS BEFORE USING THIS PRODUCT!

3.1 WORK AREA

To Avoid of personal injury, equipment damage, fire and shock, make sure your work area is:

- Free of damp, wet or rainy conditions
- Free of flammable gasses or liquids
- Childproof-use padlocks and master switches when not in use.
- Well-lit
- Clean and uncluttered
- Well –ventilated

3.2 THE OPERATOR

COMMON SENSE AND CAUTION ARE FACTORS WHICH CANNOT BE BUILT INTO ANY PRODUCT. THESE FACTORS MUST BE SUPPLIED BY THE OPERATOR. PLEASE REMAMBER:

- Prevent body contact with grounded surfaces such as pipes or radiators.
- Stay alert. Never operate equipment if you are tired.
- Do not operate the product if under the influence of alcohol or drugs. Read warning labels on prescriptions to determine if your judgment reflexes might be impaired.

- Do not wear loose clothing or jewelry as they can be caught in moving parts.
- Not-skid footwear is recommended.
- Wear restrictive hair covering to contain long hair.
- Use eye and ear protection. Always wear:
 - ANSI approved dust mask or respirator when working around metal wood , and chemical dusts and mists.
 - A full face shield if you are producing metal or wood filings.
 - Ear protectors
- Maintain proper footing and balance at all times.
- Do not reach over or across running machines.

3.3 BEFORE OPERATING

- Know the machine. Learn its applications and limitations as well as the specific potential hazards.
- Check for damage. If part of the machine is damaged. It should be carefully inspected to ensure that it can perform its intended function correctly. If in double the part should be replaced.
- Be sure the switch is OFF before plugging in.
- Make sure tool has been cleaned and properly lubricated.
- Check for damaged parts before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function.
- Check for alignment and binding of all moving parts broken parts or mounting fixtures and any other condition that may affect proper operation. Any part that id damaged should be properly repaired replaced by a qualified technician.
- Do not use the tool if any switch does not turn off and on properly.

3.4 SPECIAL SAFETY RULES FOR BAND SAWS

- Adjusting the upper guide of saw blade to make it higher about 1/8" than the cut material.
- Saw after the machine rolling regularly select different speed of filling material according to the different hardness and thickness of wood. Forbid filling material too fast.
- Check for proper blade size and type make sure that blade's tension and tracking are properly adjusted according to the instruction to change saw blade.
- The worker shouldn't leave the place when the machine is working. Don't forget to cut off the main power source when not working.
- Use foot bolt to forbid the machine learning to the ground.

4. GROUNDING/VOLTAGE

4.1 INSTRUCTION OF GROUNDING

- This machine provides power outlet and cable. And there is grounding wire on it. The contact of outlet on the sawing machine must connect with the case of sawing machine. The other outlet should be correctly plugged in the standard outlet and the outlet should be installed correctly and connected with the earth.
- If grounding wire can't connected properly, it may be struck, Change or repair cable or outlet don't connect the grounding line wrongly.
- When the cable is damaged, change or repair it in time.

4.2 CONNECTION OF POWER SOURCE

The single electric current should be used. The protector should be set in order to protect. Assure that the line voltage should agree with the motor voltage on its plate before running machine.

6. MANUAL TO SAW BLADE

6.1 TO CHANGE SAW BLADE

MAKE SURE SWITCH IN "OFF" POSITION. AND UNPLUG THE SANDER BEFORE PERFORMING ANY OF THE STEPS BELOW.

- 1) First open the upper door and lower door (#8) & (#9), then loosen hand wheel (#20). Fig.(3)
- 2) Remove the front fence rail (#87) and saw blade (#36). Fig.(1)
- 3) Select and install the new one.
- 4) Install the front fence rail (#87).
- 5) Roll the hand wheel (#20) to tighten the saw blade. Give the saw blade 3kg side pressure tensile deformation is about 8mm. The tension of saw blade is moderate.
- 6) Roll the upper saw blade with hand, adjust the running track of saw blade(#36) in the protective case by rolling the flower handle (#33) of the back of upper saw wheel housing as Fig.(3) in order to make the saw blade run in the center, then tighten the nut of flower handle.

6.2 BLADE GUIDING see Fig. (4)

- a) The saw blades guide of this band saw ensure an exact guiding of the blade for clean cuts. When using narrow blades ensure that the lower blade guide positively supports the blade from both sides and the rear.
- b) Set the bearings of the upper blade guide to within approx. 0.5mm of the blade, and the bearings against the back of the blade, just clear of it. Do not set the bearing too close, as the friction generates heat, which may have an adverse effect on the bearings and the saw blade as well.

6.3 SETTING THE CUTTING HEIGHT see Fig.(4)

- a) The upper blade guide should always be set as close as practical against the wok. To adjust, loosen the wing nut (#50) at the side of the upper wheel housing, and set the blade guide to the required height.
- b) Tighten wing nut after setting.

Fig.(3)

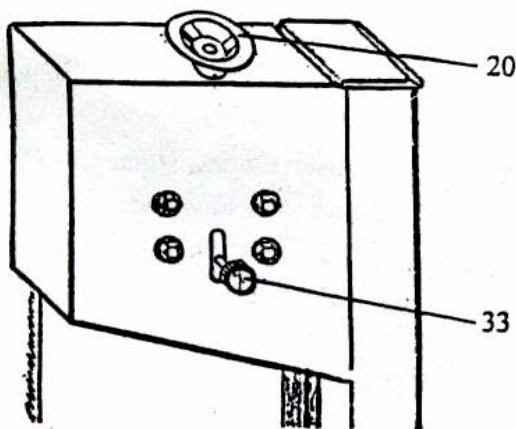
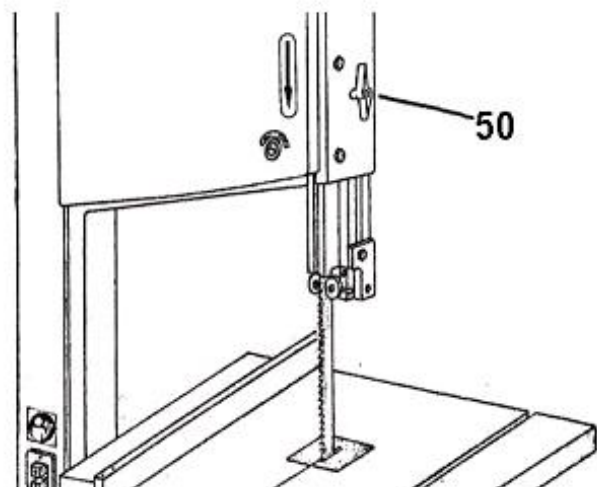
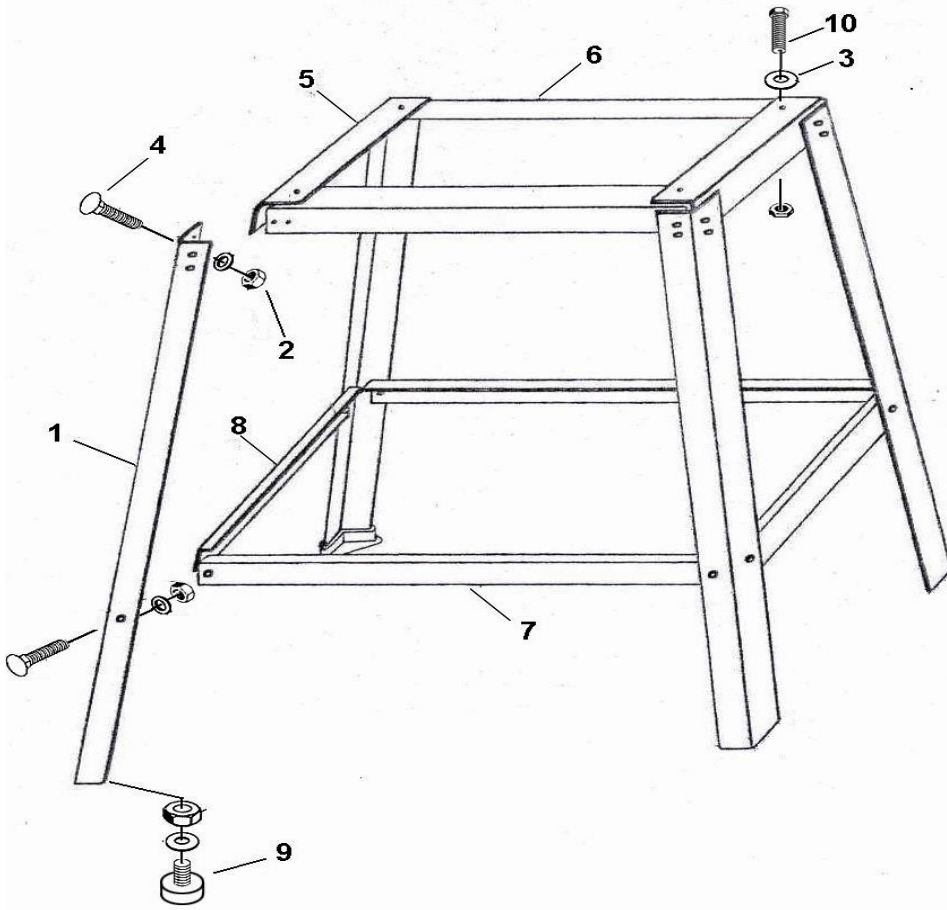


Fig.(4)



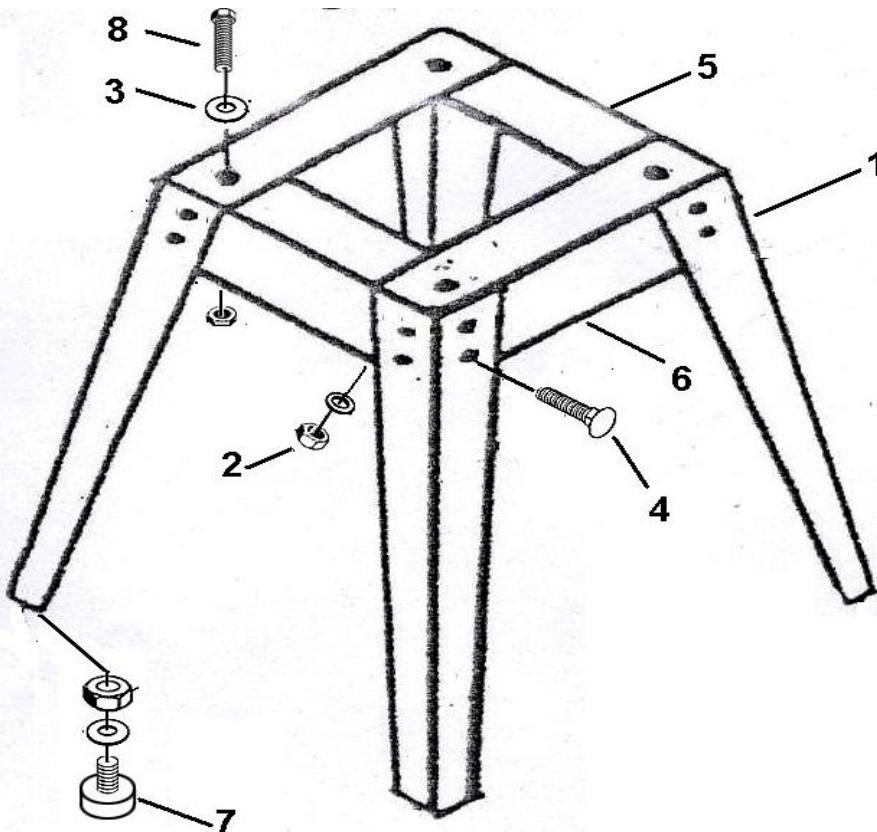
7. BREAKDOWN AND THE METHODS OF FIXING BREAKDOWN

Items	Reason	Fixing Method
1. The motor can not start.	<ol style="list-style-type: none"> 1. The power isn't on. 2. The fuse of electric circuit has blown. 3. The electric cable is damaged. 4. The switch isn't "on". 5. The motor is damaged. 	<ol style="list-style-type: none"> 1. Check all the electric circuit. 2. Change the fuse. 3. Repair or change the cable. 4. Check the switch. 5. Change the motor.
2. The saw blade can not cut or the cutting speed is slow.	<ol style="list-style-type: none"> 1. The saw blade is installed on the contrary, the saw teeth cut on the same direction. 2. There are some hard things such as iron or stone etc in the saw teeth. 3. The saw teeth is passive for long time using. 	<ol style="list-style-type: none"> 1. Turn over the saw blade and install it again. 2. Manage to remove the hard things, sharpen the saw teeth. 3. Repair and gring the saw teeth to make it sharp.
3. Slipping saw blade.	<ol style="list-style-type: none"> 1. The saw blade is not straight. 2. The upper wheel doesn't parallel with the lower one, 3. The guiding installation of the saw blade has deflected. 	<ol style="list-style-type: none"> 1. Reinstall the up-to –standard saw blade. 2. Adjust the upper wheel to make it parallel with the lower one. 3. Adjust the guiding installation to make its running direction as same as the saw blade's
4. The saw blade is broken.	<ol style="list-style-type: none"> 1. The direction of the guiding board is deflected. 2. The deflection of the saw teeth is too small or the saw tooth is passive. 3. When cutting too small diameter wood, the saw blade is sprained badly. 4. Speed of filling wood is too high. 5. The saw blade is too tightened. 6. The saw blade is over warrantable period. 	<ol style="list-style-type: none"> 1. Adjust the guiding board correctly. 2. Reshape the saw route, sharpen the saw teeth. . 3. Reinstall the narrow saw blade to make the saw route wide. 4. Slow the speed of sending materials. 5. Loosen the saw blade properly. 6. Renew the saw blade.



MJ343CN STAND PARTS

NO.	NAME	Q'TY
1	Support parts	4
2	Hex nut M8	32
3	Washer ø8	36
4	Carriage bolt M8×16	24
5	Connected plate (1)	2
6	Connected plate (2)	2
7	Connected plate (3)	2
8	Connected plate (4)	2
9	Rubber washer	4
10	Hex bolt M8×40	4



MJ343BN STAND PARTS

NO.	NAME	Q'TY
1	Support parts	4
2	Hex nut M8	24
3	Washer ø8	28
4	Carriage bolt M8×16	16
5	Connected plate (1)	2
6	Connected plate (2)	2
7	Rubber washer	4
8	Hex bolt M8×40	4

NO.	Description	Q'TY	NO.	Description	Q'TY
1	Column cover	1	39	Semicircle head screw M4x12	2
2	Saw body	1	40	Lower wheel axle	1
3	Bush	2	41	Hexagon nut M16	1
4	Magnetic switch	1	42	Hexagon nut M12	3
5	Hexagon head screw M6x16	4	43	Motor wheel	1
6	Motor	1	44	Washer ø16	1
7	Dust cover	1	45	Adjusting screw	3
8	Upper door	1	46	Big triangle frame	1
9	Lower door	1	47	Rubber belt for saw wheel	2
10	Screw	2	48	screw	1
11	Washer ø4	15	49	Washer ø10	1
12	Hexagon nut M4	8	50	Butterfly nut M8	2
13	Knob	2	51	Upper blade guard	1
14	Screw	2	52	Sliding plate	1
15	Retainer	1	53	Spacing board	1
16	Semicircle head screw M5x8	6	54	Tapping screw	7
17	Washer ø5	12	55	Connecting board	1
18	Spring leaf	2	56	Rack	1
19	Hexagon nut M5	3	57	Carriage bolt M8x25	1
20	Hand wheel	1	58	Locking plate	1
21	Screw	1	59	Carriage bolt M8x20	5
22	Washer ø12	4	60	Locking plate	1
23	Guide screw pole	1	61	Screw M6x6	6
24	Spring	1	62	Cap screw	6
25	Square nut	1	63	Mount shaft	2
26	Steel dowel	2	64	Bearing 80026	6
27	Guide board saddle	2	65	Washer ø6	24
28	Washer ø8	16	66	Adjusting shaft	4
29	Hexagon head screw M8x16	8	67	Upper guide shaft	1
30	Upper wheel saddle	1	68	Connecting bracket	1
31	Small triangular frame	1	69	Upper guide base	1
32	Upper wheel axle	1	70	Lower guide shaft	1
33	Adjusting handle M8	1	71	Connecting base	1
34	Bearing 80203	4	72	Fixing plate	1
35	Upper saw wheel	1	73	Lower blade guard	1
36	Blade	1	74	Lower guide base	1
37	Axis elastic ring	4	75	Small handle	1
38	Lower saw wheel	1	76	Hand wheel	1

NO.	Description	Q'TY	NO.	Description	Q'TY
77	eccentric shaft	1	109	Bearing bar	1
78	eccentric bush	1	110	Bearing 80027	1
79	Washer ø22	1	111	Sliding base	1
80	Hexagon nut M22		112	Shaft	1
81	Gear	1	113	Locking handle	1
82	Guide plate	1	114	Locking block	1
83	Worktable	1	115	Plate	1
84	Cap screw M6×12	8	116	Spring piece	1
85	Table insert	1	117	Convex window	1
86	Screw	1	118	Upper guide board	1
87	Front fence rail	1	119	Semicircle head screw M4×5	2
88	Rotating angle rule	1	120	Semicircle head screw M4×8	1
89	Stand of worktable	1	121	Carriage bolt M8×50	1
90	Side insert	2	122	Plastic square washer	1
91	Pointer	1	123	Fix bush	1
92	Big handle	1	124	Screw M6×12	1
93	Miter gauge	1	125	Semicircle head screw M6×6	1
94	Tapping screw	4	126	Screw	1
95	Rolling fixed frame	1	127	Hexagon nut M6	1
96	Rear fence rail	1	128	Semicircle head screw M5×14	1
97	Hexagon nut M8	6	129	Screw	1
98	Drawing belt	1	130	Lid shape nut	2
99	Circles for shaft	1	131	Semicircle head screw M4×30	4
100	Bearing 80101	2	132	Safety switch	2
101	Press wheel	1	133	Semicircle head screw M6×8	2
102	Axle of press wheel	1	134	Hexagon head screw M8×25	1
103	Press wheel pole	1	135	Rubber washer	1
104	Screw	1	136	Pin	1
105	Handle of press wheel	1	137	Pointer	1
106	Cap screw M6×65	4	138	Ring	2
107	Bush	4			
108	Side insert	2			

