

 **EUROBOOR**
FOR PROFESSIONALS BY PROFESSIONALS

INSTRUCTION MANUAL

EBS.500

PORTABLE BAND SAW



SAFETY RULES

1. KEEP GUARDS IN PLACE and in working order.
2. REMOVE ADJUSTING KEYS AND WRENCHES. Form a habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
3. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
4. DON'T USE IN DANGEROUS ENVIRONMENT. Don't use power tools in Damp or wet locations, or expose them to rain. Keep work area well lighted.
5. KEEP CHILDREN AWAY. All visitors should be kept safe distance from work area.
6. MAKE WORKSHOP KID PROOF with padlocks, master switches, or by removing starter keys.
7. DO NOT FORCE TOOL. It will do the job better and safer at the rate for which it was designed.
8. USE RIGHT TOOL. Do not force tool or attachment to do a job for which it was not designed.
9. USE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Choose the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.
10. WEAR PROPER APPAREL. Do not wear loose clothing, gloves, neckties, rings, bracelet or other jewelry, which may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.
11. ALWAYS USE SAFETY GLASSES AND EAR PROTECTION. Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
12. SECURE WORK. Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
13. DO NOT OVERREACH. Keep proper footing and balance at all times.
14. MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
15. DISCONNECT TOOLS before servicing; when changing accessories, such as blades, bits, cutters, and the like.
16. REDUCE THE RISK OF UNINTENTIONAL STARTING. Make sure switch is in off position before plugging in.
17. USE RECOMMENDED ACCESSORIES. Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
18. NEVER STAND ON TOOL Serious injury. Could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
19. CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function - check for alignment of moving parts, binding of moving parts, breakage of

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parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.

20. DIRECTION OF FEED. Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.

21. NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF. Don't leave tool until it comes to a complete stop. To lock the main switch in the OFF position, remove the switch key from the switch. Place the key in a location that is inaccessible to children and others not qualified to use the tool.

(1) WEAR EYE PROTECTION.

(2) DO NOT REMOVE CUT-OFF PIECES UNTIL BLADE HAS STOPPED.

(3) MAINTAIN PROPER ADJUSTMENT OF BLADE TENSION, BLADE GUIDES, AND TRUST BEARING.

(4) ADJUST UPPER GUIDE TO JUST CLEAR WORKPIECE.

(5) HOLD WORKPIECE FIRMLY AGAINST TABLE

Material to be cut

The tool is intended to cut matter material like steel. Iron, copper, etc. NEVER USE THIS TOOL TO CUT WOOD AND EXPLOSIVE METAL MATERIAL.

USE A CORRECT PLUG

As different countries may use different plug, so the user shall install the right plug approved in your country.

GROUNDING INSTRUCTIONS

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided - if it will not fit the outlet, have the proper outlet installed by a qualified electrician. Improper connection of the equipment-grounding conductor can result in risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor.

If repair or replacement of the electric cord or plug is necessary, do not connect the Equipment-grounding conductor to a live terminal. Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded.



FIG B

Running in the blade

To safe guard the life and quality of a new blade, the first two or three cuts must be made exerting slight pressure on the piece so that the cutting time is almost twice the one normally needed (see cutting table).

Correct positioning of the piece in the clamp

Pieces to be cut must always be held firmly in the clamp, directly between the two jaws and without inserting other objects. For flat profiles, bars or particular shapes, refer to the examples in fig .B

To cut a long work piece, use roll stand to support it.

Choosing the blade Fig c

Warning:

1. NEVER USE BANDS WHICH ARE DAMAGED OR DEFORMED.
2. NEVER CLEAN THE SAW BAND WHILST IT IS IN MOTION






The choice of the right blade and its toothing depends on the type of material you have to cut

And on its section. Your band saw is fitted with a 1325mm x 13mm, 0.65mm thick metal blade. Blades with 6-10 teeth per inch are available as replacement.

Requirements, indicated in the “cutting table”(fig c).

Maintenance

1. Be careful: before every cleaning or maintenance operation, ensure that the plug is not in the electric supply socket.
2. Keep the cutting machine free from residue by means of a vacuum cleaner or a brush, passing it also over the blade guides. Keep the band saw in good condition: if it is not to be used for a long time, put it away in its original packing in a damp-free place. In these cases it is advisable to slacken the blade so as not to keep it under tension unnecessarily.

 30 50 115 max	8/12 6 6	 30x s.1 14 40x s.2 14 50x s.5 max 8/12
 30 40 115 max	8/12 6 6	 30x s.1 14 50x s.2 14
 25x35 40x50 115x153 max	8/12 6 6	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">Fig C</div>

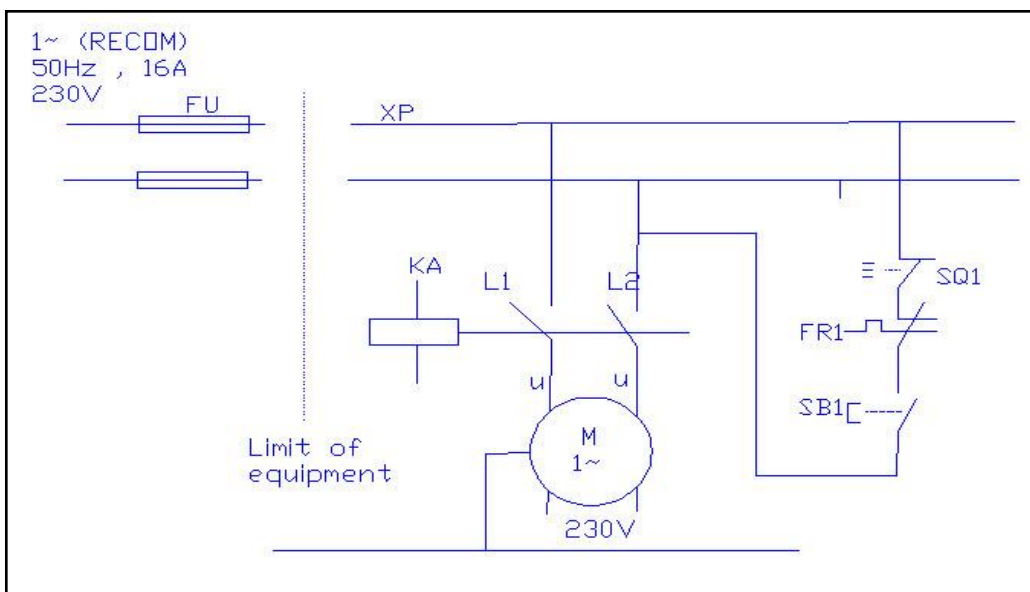
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Item	Specifications	Item	Specifications
Voltage	110~230 V	Blade size	13 x 0.65 x 1325mm
Motor	(800W)	Bow-Saw	Aluminum
Cutting capacity 90°	Circular bar: 85mm, rectangular bar: 100 x85mm	Dimension	650 mm x 310 mm x 450 mm
Cutting capacity 45°	Circular bar: 85mm, rectangular bar: 60 x 65mm	Packing	660 mm x 320 mm x 470 mm
Function	Manual Cutting: ST-G510s	Optional Accessories:	n/a
Blade speed	35~80 MPM	NOISE LEVEL	The noise level for the tool is about 60 dB (A)

ELECTRICAL PART LIST

Item	Description	Description and function	Technical data
1	SB1	TR26-21C-13D/L SM-8 4P Switch with lighe	IP54:250Vac CE
2		Supply Cable	Ac 600V, 10A,3G/0.75mm for 800W motor
3	M	motor	800W/230V,IP54
4	SQ1	ZIPPY Micro Switch,VMN-15,15A	20.5A 125 / 250 Vac CE
5	FR1	Over Load	3.7A / 250 Vac CE

CIRCUIT DIAGRAM



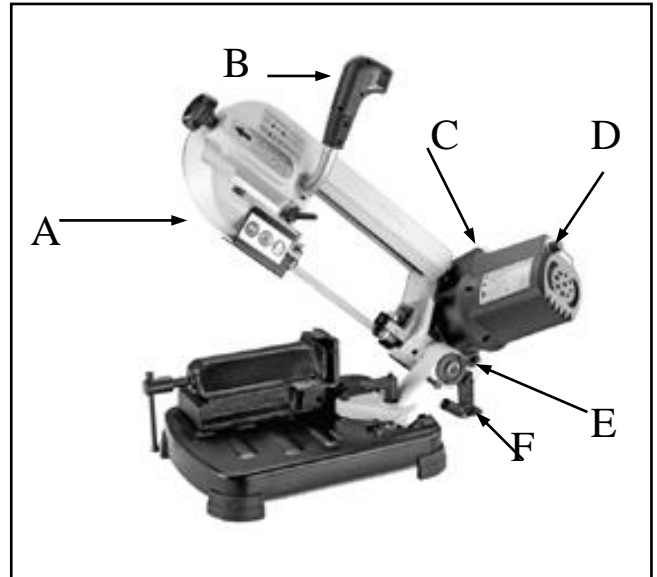
Portable band saw

OPERATION AND ASSEMBLY INSTRUCTIONS

FIG 1

This view shows the:

Machine body	(A)	Handle	(B)
Switch	(C)	Knob	(D)
Rod	(E)	Locking Handle	(F)



MANUAL CUTTING

For the spring !

You have to tight the screw(E) to make the steel plate (F) at around 45degree.

FIG 2

To start the machine move switch (H of FIG2) to ON (I) position press the button (B of FIG1) while manual Cutting.

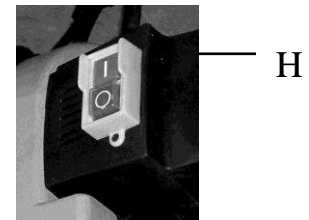


Fig2.

This machine is designed for cutting without cooling. So it will increase the heat in the saw blade and do not operate the machine without any stop more than 70min.

! WARNING: WHEN THE TOOL IS NOT IN USE. THE SWITCH SHOULD BE LOCKED IN THE OFF (O) POSTION.

ADJUSTMENTS

FIG8 Adjusting the distance Set Bracket

If you have to cut several pieces, all the same length, Use the Set Bracket (D of FIG1) provided with the band saw. In order to avoid repeating the measurements.

FIG7 Adjusting the blade guide

Your cutting machine is provided with a sliding guide (I of FIG3) with built-in protection, which guides the part of the blade necessary to make the cut, and at the same time, protects the part of the blade not in use. To do this, simply slacken the locking handle (J of FIG3) and slide the blade guide (I of FIG3) so as to bring it closer to or farther from the piece that is to be cut.

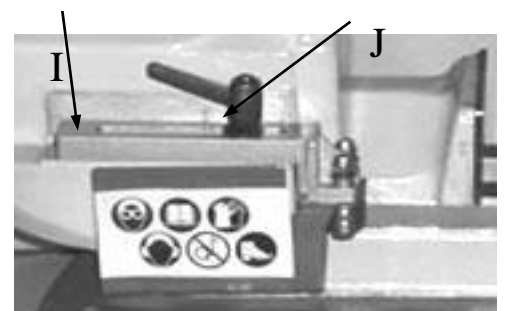


FIG3

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FIG4 Adjusting the cutting angle

The band saw can cut an angle varying from 0° to 60°. Slacken the locking handle (K of FIG9) and turn the Bow-Saw (L of FIG9) until the scale to the desired angle. Then tighten the locking handle.

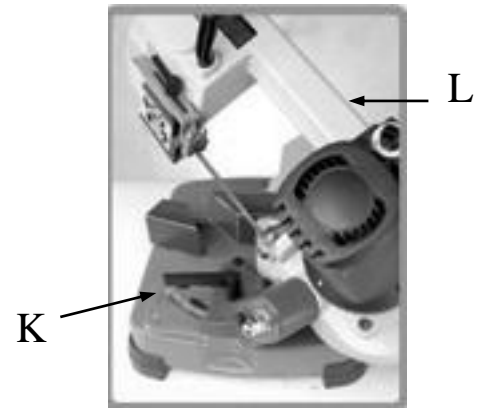


FIG4

FIG5 Blade replacement

Raise saw head to vertical position and open the blade guards. Loosen tension screw knob (A of FIG5) sufficiently to allow the saw blade to slip off the wheels. Install the new blade with teeth slanting toward the motor as follows:

1. Place the blade in between each of the guide bearings (N of FIG5).
2. Slip the blade around the motor pulley (bottom) with the left hand and hold in position.
3. Hold the blade taut against the motor pulley by pulling the blade upward with the right hand, which is placed, at the top of the blade.
4. Remove left hand from bottom pulley and place it at the top side of the blade to continue the application on the upward pull on the blade.
5. Remove right hand from blade and adjust the position of the top pulley to permit left hand to slip the blade around the pulley using the thumb, index and little finger as guides.
6. Adjust the blade tension knob (M of FIG5) clockwise until it is just right enough so no blade slippage occurs. Do not tighten excessively.
7. Replace the blade guards.
8. Place 1-2 drops of oil on the blade.

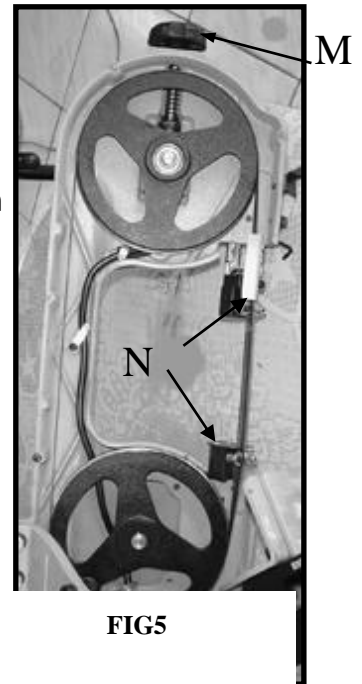


FIG5

Transportation

Before transporting the tool, be sure to lock the upper and lower side as shown in FIG.6.

Then lift the tool as shown in FIG.7.



LOCKED POSITION

FIG6

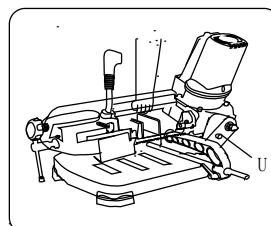
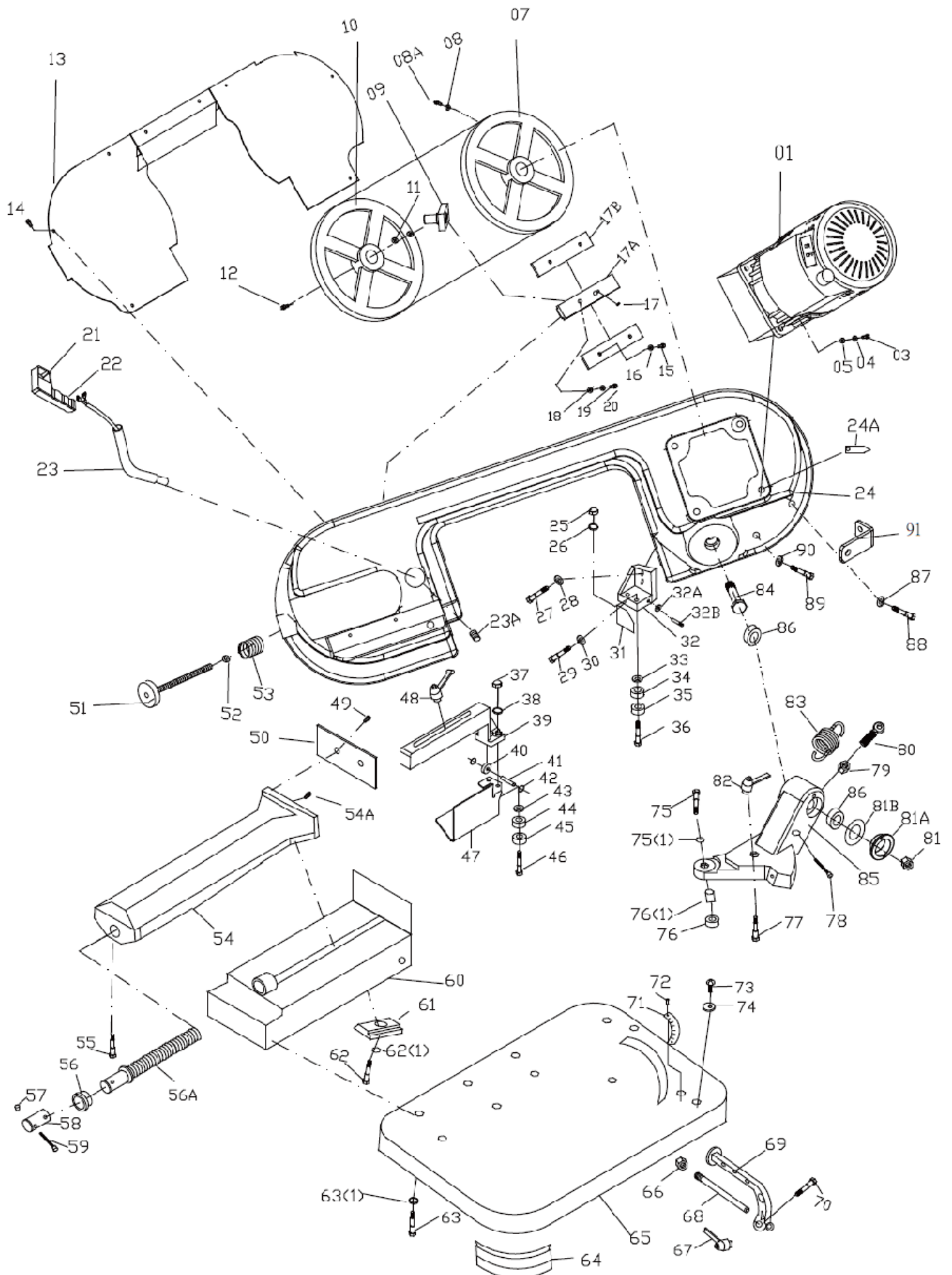
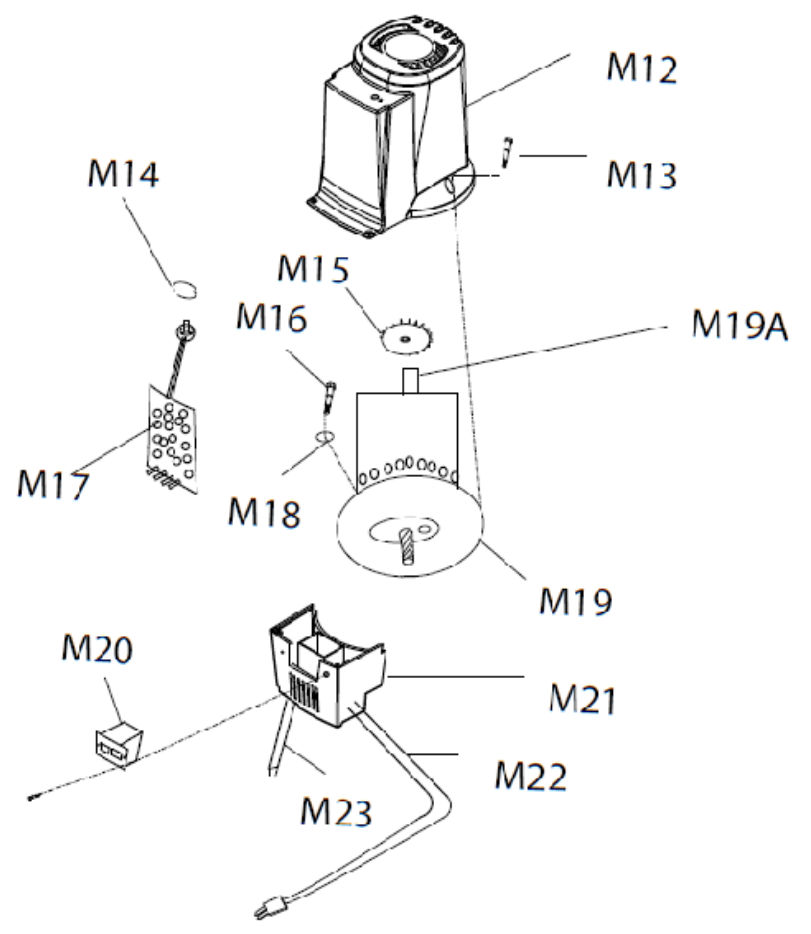
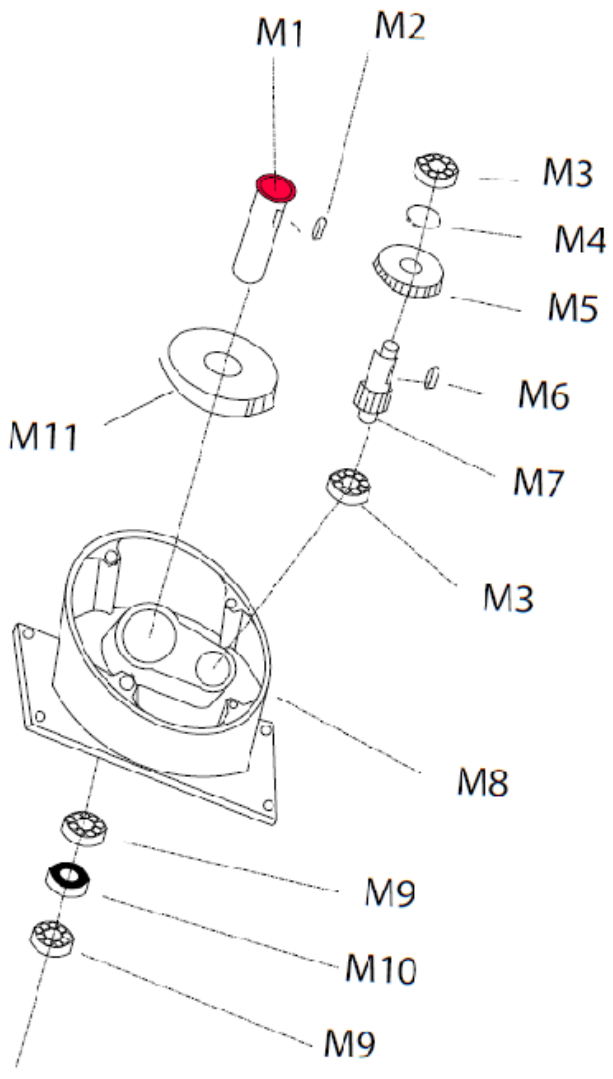


FIG7

Explosion illustration





SPARE PART LIST

No.	Qty used	Art.nr.	Description
1	1	500.0002 220v	Complete Motor with Gear
1	1	500.0002 110v	Complete Motor with Gear
3	4	500.0003	Screw Cap 8*25
4	4	500.0004	Spring Washer M8
5	4	not available	not available
7	1	500.0007	Motor Fly wheel
8	1	not available	not available
8A	1	not available	not available
9	1	500.0009	Dog Pin
10	1	500.0010	Return Fly wheel
11	2	500.0011	Bearing 6202
12	1	500.0012	Screw Cap 8*16
13	1	500.0013	Body cover
14	4	not available	not available
15	4	not available	not available
16	4	not available	not available
17	1	500,0017	Set screw 8*16
17A	1	500.0017A	Blade tension sliding block
17B	2	500.0017B	Slide
18	4	not available	not available
19	4	not available	not available
20	4	500.0020	Screw cap 8*25
21	1	500.0021	Limit switch
22	1	500.0022	Handle
23	1	500.0023	Tube
23A	1	not available	not available
24	1	500.0024	Body Frame
24A	1	500.0024A	Blade
25	2	not available	not available
26	2	not available	not available
27	2	500.0027	Screw cap6*25

No.	Qty used	Art.nr.	Description
28	2	not available	not available
29	1	500.0029	Screw cap 5*10
30	1	not available	not available
31	1	500.0031	Chip fence
32	1	500.0032	Fixed blade guide plate
32A	1	500.0032A	Bearing 625
32B	1	500.0032B	Pin
33	2	not available	not available
34	2	500.0034	Bearing 607
35	2	500.0035	Bearing 607
36	2	500.0036	Bias axis
37	2	not available	not available
38	2	not available	not available
39	1	500.0039	Arm
40	2	500.0040	Bearing 625
41	2	500.0041	Pin
42	2	not available	not available
43	2	not available	not available
44	2	500.0044	Bearing 607
45	2	not available	not available
46	2	not available	not available
47	1	500.0047	L.Blade guard
48	1	500.0048	Bolt
49	1	not available	not available
50	1	500.0050	Vice Plate
51	1	500.0051	Handle wheel
52	1	not available	not available
53	8	not available	not available
54	1	500.0054	Vice
54A	1	not available	not available
55	1	not available	not available

continues ->

No.	Qty used	Art.nr.	Description
56-59	1	500.0056	Acme screw set
60	1	500.0060	Fence base
61	1	500.0061	Locking Seat
62	1	not available	not available
62(1)	1	not available	not available
63	6	500.0063	Screw Cap 8*16
63(1)	1	not available	not available
64	4	500.0064	Rubber Pad
65	1	not available	not available
66	1	not available	not available
67	1	not available	not available
68	1	500.0068	Rod stock stop
69	1	500.0069	Stop Bracket
70	1	not available	not available
71	1	not available	not available
72	1	not available	not available
73	2	not available	not available
74	2	not available	not available
75	1	not available	not available
75(1)	1	not available	not available
76	1	500.0076(1)	Bushing
76(1)	1	not available	not available
77	1	not available	not available
78	1	not available	not available
79	1	not available	not available
80	1	500.0080	Spring holder
81	1	500.0081	Bearing Nut
81A	1	500.0081A	Bushing
81B	1	500.0081B	Bearing cover
82	1	500.0082	Bolt
83	1	500.0083	Spring

No.	Qty used	Art.nr.	Description
84	1	500.0084	Axis
85	1	500.0085	Miter plate
86	2	500.0086	Bearing
87	1	not available	not available
88	1	not available	not available
89	1	not available	not available
90	1	not available	not available
91	1	500.0091	Screws
M1	1	500.1001	Main shaft
M2	1	500.1002	Key
M3	2	500.1003	Bearing
M4	1	500.1004	C-ring
M5	1	500.1005	Gear
M6	1	500.1006	key
M7	1	500.1007	Gear shaft
M8	1	500.1008	Gear Box
M9	2	500.1009	Bearing
M10	1	500.1010	oil seal
M11	1	500.1011	Gear
M12	1	500.1012	Up cover
M13	1	500.1013	Screws
M14	1	500.1014	Nut
M15	1	500.1015	Fan
M16	1	500.1016	screw
M17	1	500.1017	Electric board
M18	1	500.1018	oil seal
M19	1	500.1019	Motor
M20	1	500.1020	Switch
M21	1	500.1021	Down cover
M22	1	500.1022	plug
M23	1	500.1023	Handle wire