PORTABLE BAND SAWING

INSTRUCTIONS FOR USE AND MAINTENANCE / SPARE PARTS

MODEL: 125

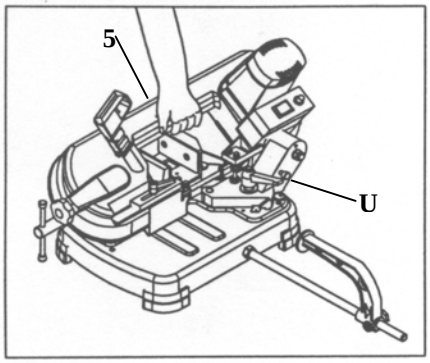
125-080605-R1

⚠ WARNING !

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reprodrctive harm. Some examples of these chemical are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement and other masonry products.
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: Work in a well ventilated area, and word with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.



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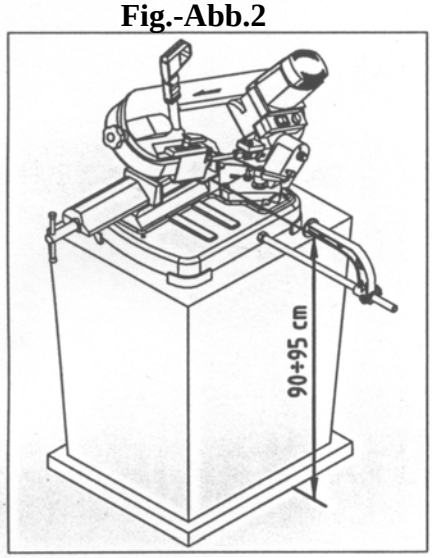

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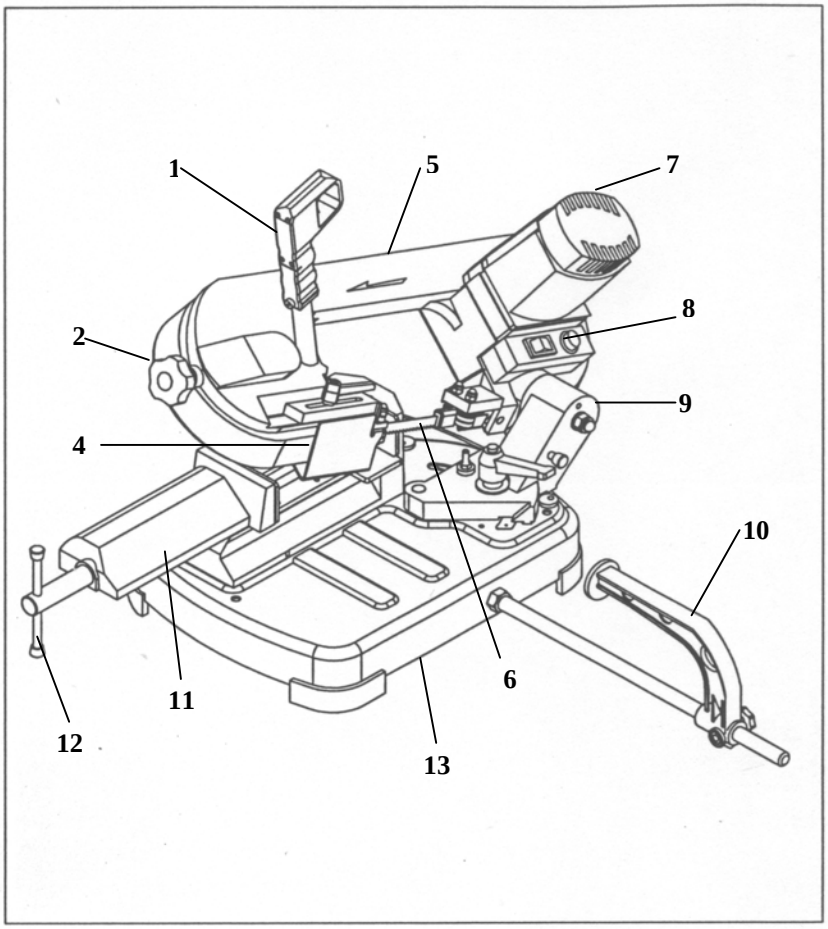

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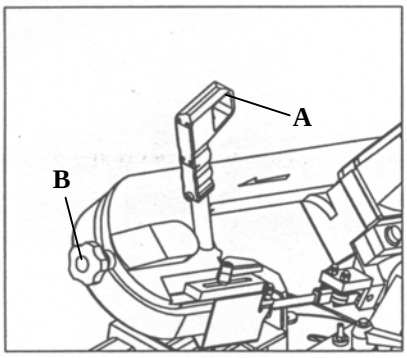

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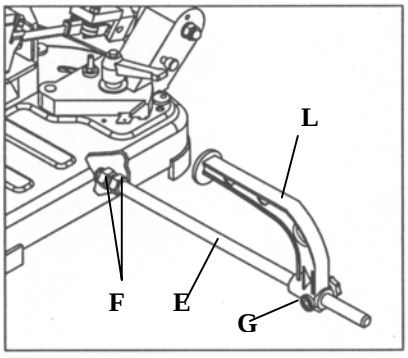

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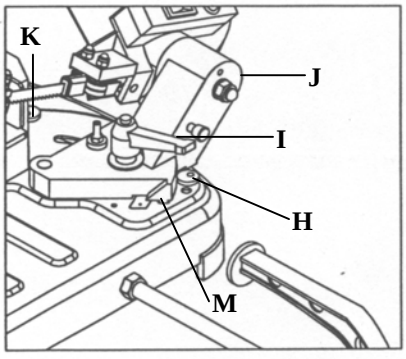

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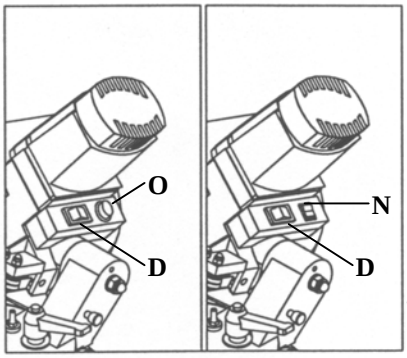

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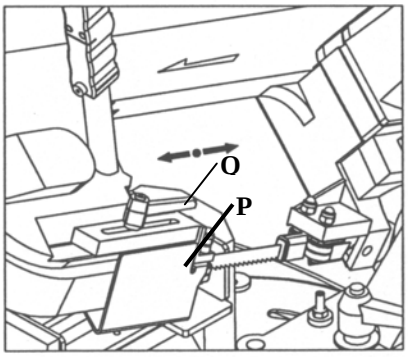

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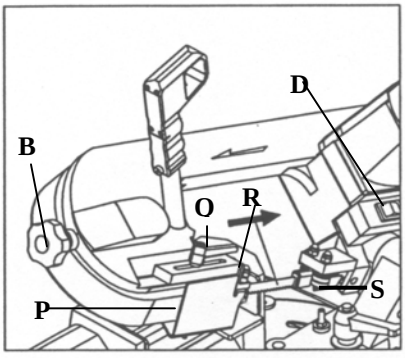

Fig.-Abb.9

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CAUTION

Install saw blade and blade guard before use. Set proper blade tension to prevent any danger caused by damaged saw blade or work piece.

1.0 INTRODUCTION TO USE

Before starting work with your sawing machine, carefully read this instructions manual so that you are familiar with the machine and its uses and where it should not be used. Keep this manual in a safe place.
It is an integral part of the machine and should be used for reference in operating the machine correctly and in the proper safety conditions.
Use the machine only and exclusively for the uses specified below, as recommended in this manual. The machine should not in any way be tampered with, or forced, or used for unsuitable purposes.

1.1 SYMBOLS PLACED IN CORRESPONDANCE WITH USAGE POINTS

Never underestimate the warnings " ATTENTION – CAUTION " given in this manual.
In order to draw the user's attention and to preserve safety, hazardous operation are preceded by symbols and notes that point out the danger and explain how to behave to avoid any risk.
These symbols and notes are divided in three categories, identified by the following words:

Attention: dangerous-behaviours that could cause serious injuries.

CAUTION: behaviours that could cause slight injuries or damages to things.

NOTE: the notes preceded by this symbols are technical and are aimed at making operations easier.

1.2 SAFETY AND RULES

The machine was designed and built according to the Community Directives in force: EEC 98/37 –EEC 91/368 – EEC 93/68 – EEC 73/23 – EEC 89/336.
The enclosed CE declaration of conformity, togheter with the CE mark on product, essentially comprise and are an integral part of the machine : both guarantee product conformity with the aforesaid safety Directives.

1.3 RECOMMENDED

AND NOT RECOMMENDED USAGE

This belt sawing machine was designed and constructed according to the most advanced technologies and may be used for all cutting requirements for metals commonly used in industry and artisanship.

It can cut:
.COMMON STEELS (FE 37…)
.SPECLAL STEELS (C 40, 18NiCrMo5…)
.ALUMINIUM AND ITS ALLOYS
.BRASS
.BRONZE
.STEEL TUBING (FE 35, FE 52…)
.PROFILED SECTIONS IN SHEET METAL AND ALUMINIUM
It is not suitable for cutting:
-WOOD AND SIMILAR MATERALS
-BONE AND SIMILAR MATERIALS

ATTENTION:The band saw has been developed and manufactured to cut in dry condition; the use of any cooler by lubricating oil makes the machine unusable.

Consult the relative sections for cutting capacities, the speeds to use and the type of tools for use according to the material to be cut and its section.(See list of contents).

1.4 STANDARD SAFEY PROCEDURS

-Do not use the machine in very damp places or in the presence of inflammable liquids or gases.
-Do not use it in the open air when general weather and environmental conditions are unfavourable (eg. Explosive atmospheres, during a storm or rain).
-Wear suitable clothes, without wide sleeves or articles such as scarves, chains and bracelets which could get caught in the moving parts.
-Always use personal protection devices: protective goggles as recommended by safety standards, gloves of the right size, headphones or earplugs, and hairnets if necessary.
-Use the tools recommended in this manual if you want to achieve the best performance from your sawing machine.
-Any power cable extensions must be type approved and comply with safety standards.
-Avoid using the machine if your psycho-physical condition are precarious or upset.

1.5 SAFETY PROCEDURS FOR FURTHER RISK

-Always keep processing residues away from the cutting area.
-Always use the clamp. The parts to be cut must always be held firmly in the clamp.
-Always keep hands away from the working areas while the machine is moving: before loading or unlading the part, release the run button on the hand grip.
-Do not force the machine unnecessarily : excessive cutting pressure could cause rapid wear to the blade and negatively influence the performance of the machine in terms of finishes and cutting precision.

1.6 NOISE CONDITIONS

In normal conditions of use as described in this manual, this belt sawing machine determines an equivalent level of acoustic pressure:
Leq= 82dB(A) when operating unloaded;
Leq= 84.3 dB(A) during processing (eg. cutting of a steel tube D.80mm thickness 5mm), at cutting speed of 80m/min., with a weighted operating cycle of 1 minute.
Measurement were obtained in compliance with UNI 7712, ISO 3740,ISO 3746 and CEE 89/392 regulation.
NOTE : Personal hearing protection should be used, such as headphones or earplugs.

1.7 INFORMATION ABOUT THE ELECTROMAGNETIC COMPATIBILITY

The European regulations on safety and , in particular, the EEC Directive 89/336 contemplate that all the equipment be equipped with shielding devices against radio interferences both from and towards the outside.
This machine is equipped with filters both on the motor and on the power supply through which the machine is safe and in compliance with above regulations.
Tests were carried out according to EN 55011, EN 55014, EN50082-1, IEC 1000-4-2, IEC 1000-4-4 regulations.

1.8 DESCRIPTION OF THE MACHINE (Fig.1)

The belt sawing machine consists of two basic parts: the machine body (5) complete with motor and drive (7) which is integrated into lower part, consisting of the clamp (11) and the base (13), by means of the swivel support (9).
Here is a list of the main parts with the number indicating it in the drawing.

Legend Fig. 1
1 - Command grip
2 - Blade tension handwheel
4 - Sliding blade guide
5 - Machine body
6 - Blade
7 - Motor
8 - Control box
9 - Bar stop
10 - Clamp (vice)
11 - Morsa
12 - Clamp drive
13 - Base

2.0 INSTALLAZIONE

2.1 REMOVING THE PACKING

Remove the wooden frame which protects the machine during transit.

Try not to damage the frame as you may have to move the machine long distances or store it for long periods.

2.2 HANDLING (Fig.2)
As the machine is not heavy (Kg 16), it can be lifted and moved by a single person by gripping it from the machine body (5), duly clamped (see pint 2.3)

2.3 TRANSPORT (Fig.2)
It is necessary to low the saw body till the lower position and fix it to the base : it is sufficient to insert the pin **U** in the hole in the body , then lift the machine, gripping it as showed in Fig.2.
For transport the machine, it is better to place it in the box it was when purchased.
Ensure it is placed in the correct position indicated by the arrows on the packaging.
Pay careful attention to the ideogram printed on the box as they provide all necessary information for palletization and stacking of boxes.
Tying the load down with ropes or safety belts is raccomended during transportation to prevent the load from sliding or falling.

2.4 POSITION/WORK STATION (Fig.3)
Place the machine on a sufficiently flat workbench so that the machine has the better possible stability.
In respect of ergonomic criteria during cutting operations, the workbench must be positioned at such a height that the clamp level is between 90 and 95 cm from the ground (see fig.3)
ATTENTION: Make sure that the machine is placed in a working area with suitable environmental conditions and lighting. The general conditions of the working environment are of fundamental importance for accident prevention.

2.5 ELECTRICAL CONNECTIONS
Check that the mains to which the machine is connected is earthed in accordance with current safety regulations and that the power point is in good condition.
Remember that there should be a magnetothermic protective device fitted upstream of the mains to protect all the conductors from short circuits and overloads.
This protective device should be selected according to the electrical features of the machine listed below:
Nominal voltage .....1~,115 / 230V
Nominal frequency.....50/60Hertz
Max programmed absorbed value 3.8Ampere
Nominal input power 1250Watt
Power factor.....0.93
Nominal speed 14.000-19.000rpm
Insulation .....Class B
Type of service.....intermittent S4-60 %
In case of power failure in mains, while you wait for power to be restored there is no danger hazard may arise: in face, the electronic governor **O** or main switch **D** is also equipped with a reset function which prevents the machine from restarting automatically. .....
The motor of your sawing machine (electronic version)is equipped with a protective heat circuit breaker which interrupts the power supply when the temperature of the coils rises too high.
When the power supply is interrupted, wait for normal reset.

3.0 ADJUSTING (Fig. 4-5-6-7-8)

3.1 TENSION OF THE BLADE (Fig.4)
Turn the handwheel **B** in a clockwise direction until it locks.
If the tension is too high, the blade tends to escape from the guide. In this case, slacken the blade tension by turning of one/two turns the handwheel B in a anti clockwise direction.

3.2 BAR STOP (Fig.5)
Use the bar stop supplied if you have to do several cuts on pieces of the same length.
In this way you do not have to repeat the same measurement each time.
Screw rod **E** into the hole of the base and fasten it with nuts **F**. Slacken the handwheel **G** and place the stop **L** at the correct distance from the blade. Tighten handwheel **G** again.

3.3 Cutting angle (Fig.6)
The band saw can cut at an angle varying from 0 to 45 degrees : it is sufficient to slacken the handle **I** and turn the swiwel support **J** towards the respective limit stops **H** and **K**.
For all intermediate angles, turn the swiwel support **J** until the mark **M** on the support matches the corresponding position on the plate.
Then lock the rotating support **J** again.

3.4 CUTTING SPEED (Fig.7)
Two speed version
Depending on the type of material and its section (see CUTTINGTABLE) you can choose two different cutting speed 60 or 80 m/min. by means of the switch **N**.
Electronic version
Your sawing machine is equipped with CESC (Constant Electronic Speed Control), which allows gradual and continuous variation of the cutting speed , adapting it to the type and dimension of the material to be cut (see cutting table).
To select the most suitable speed, use the speed control knob **O** to increase or decrease the speed as you require.
Example:

Stainless Steel:	30m/min.	position 1
Common Steel:	40-60m/min.	position 2-3-4
Allum.Alloy:	80m/min.	position 6
Pipes/sections:	70-80m/min	position 5-6

3.5 SLIDING BLADE GUIDE (Fig.8)
The sliding blade guide **P** with integrated protection fitted on your sawing machine is used to perform the cut while guiding the necessary part of the blade and fully protecting the part not used in the cutting process.
Slacken the knobs **Q** and slide the blade guide **P** so as to move it closer to or further from the part to be cut, as shown in the figure.
ATTENTION : If this adjustment is not done, the part of the blade not used in the cutting process will be exposed and this will create an extra risk of contact, besides altering the quality of the cut.

3.6 BEARINGS BLADE GUIDE (Fig.9)
The blade-auide on the outside of the sawing machine are eccentric and adjustable so as to simplify blade replacement and to keep it guided as its best.
They must always touch the blade slightly, so that they rotate when the blade passes, but must not be completely locked.
In order to approach or remove the eccentric bladeguide, gently turn the head of the screws S using a 10 mm. Wrenches key.

4.0 USE

4.1 RUNING IN THE BLADE
If the correct running in procedure is not performed, the blade's cutting precision may be irreparably compromised.
To obtain the best performance, the bi-metal blades fitted on your sawing machine must be run in for a short period. For this reason the first two or three cuts should be done where possible on a solid piece D.40-50 mm, using a very slight pressure on the blade, and gradually increasing pressure in subsequent cuts.
To gauge the correct pressure in normal operating conditions defined by this manual (see cutting table), consider for example that the first cut on solid steel (eq. C40) D.50 mm should be done in about 4 minutes.
After running-in , the same piece may easily be cut in about 2 minutes. If the running-in process is done correctly, the finish and precision of the cut will be of better quality and the blade will last longer.

4.2 WORKING(Fig.7)
Two speed version
Push the green button "1"of the main switch **D** to anable machine operation.
Electronic version
Turn the main switch **D** to position 1 :in doing the switch comes on and the machine is ready for operation.
Before starting any cutting operation, check that all the protections are complete and in the correct position.
Once you have completed all the procedures and operations described so far, you may start the working processes.
To perform the cut, move to the front of the machine and grip the handgrip with your right hand.
Keep your left hand away from the cutting area and on no account try to reach it when cutting is in process.
Using the index finger of your right hand, press the run button **A** (Fig.4) and gradually lower the machine body until it comes lightly into contact with the part to be cut. Now begin to apply gradual pressure on the part and compete the cut.
Always release button A between one cutting operation and another, while you are positioning the part. Do not try to block it or alter its functional characteristics in any way.
Electronic version
If the machine suddenly stops after numerous consecutive cuts, do not be alarmed. The heat protector device of the motor has been activated, breaking the power supply when the temperature of the coils reaches the threshold limit defined by the insulation class, to prevent damage to the motor.
In this case, release the button A and wait for automatic reset which usually takes place after a few minutes.
Your sawing machine is equipped with an electronic speed governor which also includes a motor protection function obtained by means of an amperometric limiter. In this way it can not absorb an amount of current greater than the set one, expressed by the maximum value of absorption (see 2.5).
If the limiter trips while the machine is in operation, slightly decrease the cutting pressure in addition, this enables to safeguard the blade life and performance and to obtain always a sharp and clean cut.

4.3 replacing the blade (Fig.9)
When you perform this operation, always wear protective gloves to avoid contact with the teeth of the blade.
-check that the main switch **D** is at position **O**;
-slacken the handle **Q** and slide the blade guide **P** as far as it will go, following the direction on the arrow (Fig.8);
-remove the protective casing unscrewing the four screws;
-slacken the blade tension, turning the handwheel **B** in a anti-clockwise direction;
-using a 10mm. Spanner, slacken the exagonal nuts **R** on the two blade guides on the outside of the blade (Fig.9);
-with the same spanner gently turn the head of the screws on the same blade-guide in a anti-clockwise direction so as to move the bearings far enogh away from the blade to enable you to extract it easily from the guides ;
-extract the blade first from the guides and then from the rubber coated pulleys;
-insert the new blade first between the guides and then onto the rubber coated pulleys, with the teeth facing as showed in picture 9;
-put the blade under tension again as described in point 3.1 and reposition the two outer blade guides in slight contact with the blade, turning the head of the screws **S**

in a clockwise direction;
-lock the two exagonal nuts **R** again;
-replace the protective casing, being careful to insert the blade between the straps of the protection **T**;
-reposition the blade guides Pin the correct position for the next cut.

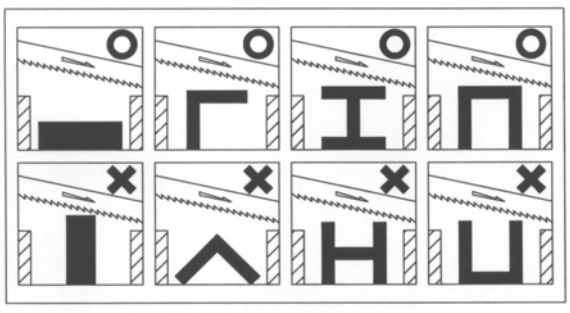
4.4 CUTTING CAPACITY

The table below specifies the cutting capacity at 0 and 45 degrees which may be obtained in normal conditions of use described in this manual and without placing any other object between the jaws of the clamp.

SECTION	ANGLE	CUTTING CAPACITY
	0 degrees	122 mm
		122 mm
	-45 degrees	95 mm
		95 mm
	-60 degrees	63 mm
		63 mm

4.5 CORRECT POSITIONING OF THE PIECE IN THE CLAMP

The pieces to be cut should be fitted directly between the jaws without adding other objects.



ATTENTION : Never hold the pieces to be cut in your hand.

When the pieces to be cut are profiled sections, flat pieces or special shapes, refer to the examples shown in the figures.

If the thickness of the profiled section is to be very thin, an outline should be fitted which copies the profile inside the profiled section itself to stop it being crushed between the jaws.

4.6 CUTTING TABLE

PART DIMENSIONS (mm)	RECCOMENDED TOOTHING (tooth for inch)	CUTTING SPEED (m/min)	RECCOMENDED CUTTING TIMES (min. sec.)
● 30	8/12	60	0' 40"
● 50	6	60	2' 00"
● 85	6	60	5' 00"
■ 30	8/12	60	1' 10"
■ 50	6	60	2' 10"
■ 85	6	60	8' 00"
▬ 25x35	8/12	60	1' 10"
▬ 40x50	6	60	2' 30"
▬ 85x105	6	60	11' 00"
○ 30 x s. 1	18	80	0' 05"
○ 40 x s. 2	14	80	0' 15"
○ 50 x s. 5	8/12	80	0, 50"
□ 30 x s. 1	18	80	0' 10"
□ 50 x s. 2	14	80	0' 30"

5.0 ACCESSORIES

5.1 CHOISE OF BLADE

Your sawing machine is equipped with a bi-metal blade measuring 1440 * 13 * 0.65 mm with variable toothing 10t teeth per inch, for use in the majority of cuts possible with this machine.

For special requirements (see cutting table point 4.6), for example, for cutting large solid sections or profiled sections or corner pieces of small thickness, there are also blades avail-able with 6, 10, 14 or 18teeth per inch.

MATERIAL: M42 (acciaio per molle + acciaio HSS)
EXTENSION: mm 1440
HEIGHT: mm 13
THICKNESS: mm 0.65
TOOTHING: standard 10 optional 6- 14 –18 –10-8/12

6.0 MAINTENANCE

6.1 REGULAR MAINTENANCE

The operations of ordinary maintenance, which may also be performed by non-specialist personnel, are all described in the previous sections and here below.

1.Before performing any maintenance operation, disconnect the machine electric plug from the wall outlet.
2.During maintenance operations, always wear personal protection (safety goggles and gloves).
3.Remove the processing residues from the cutting area and the blade guides whenever necessary.
You are advised to use a suction device or a brush.
Do not use jets of compressed air.
4.If you do not intend to use the sawing machine for a long time, clean it and put it in a dry place if possible.
In these cases it is advisable to slacken off the blade so that it is not kept tight for no reason.

6.2 ASSISTENCE

Should it be necessary to call qualified personnel for operations of extraordinary maintenance, or in the case of repairs, under guarantee or at a later date, you should always contact an authorized service center or the factory directly. If there is no service centre in your area.

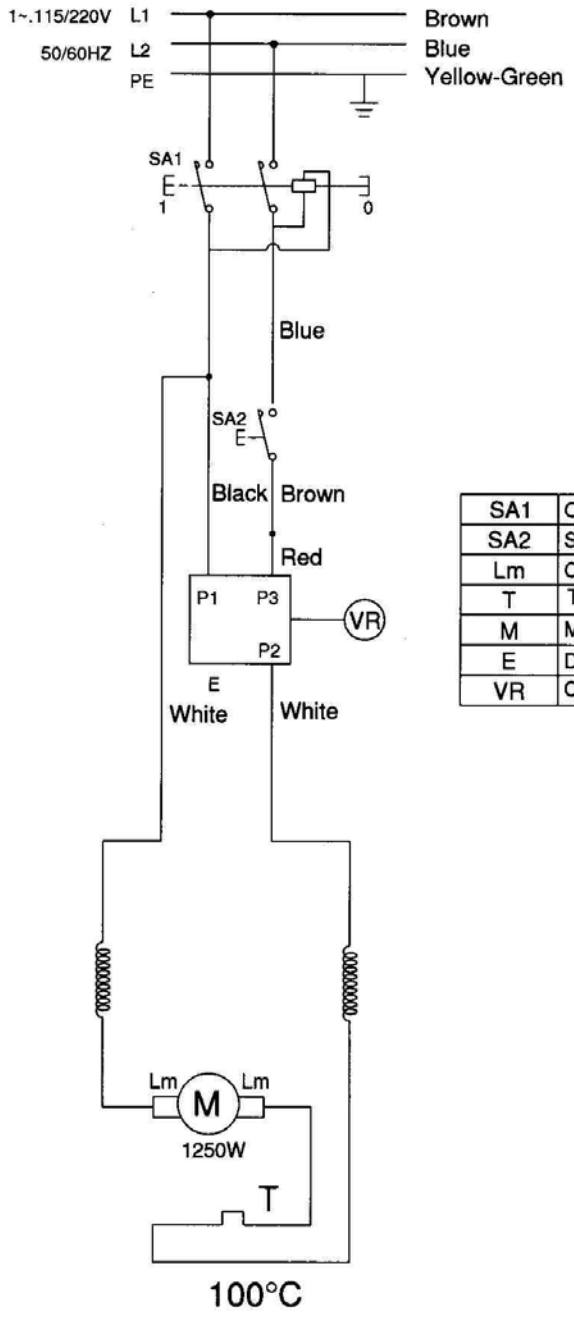
6.3 DISPOSAL OF THE MACHINE

Once its operating activity is finished, the disposal of the machine must take place through a ormal collection and disposal Center for industrial waste.

7.0 TROUBLESHOOTING

PROBLEMS	CAUSES	SOLUTIONS SUGGESTED
The motor does not work.	Defective motor, power cable or plug.	Specialized personnel should check the machine ; do not attempt to repair the motor by yourself.
	Blown electric panel fuses.	Check fuse integrity and replace, if necessary.
	No voltage in the mains system.	Check for voltage in the mains system.
	The overload cutout has tripped.	Release the run button and wait a few minutes for the overload cutout to reset.
Overload cutout tripped.	Motor overheating.	Check that motor air intakes are clear.
	Motor overload caused by excessive cutting pressure.	Perform the cut on the piece at the correct pressure.
	Motor breakdown.	Specialized personnel should check the machine ; do not attempt to repair the machine by yourself.
Inaccurate cutting angle at 90° - 45° .	The setting of the H and K retainers (point 3.3) is inaccurate.	Set the retainers by unloosening the fastening screws and re-positioning them.
Inaccurate cut squaring.	Excessive cutting pressure (on pipes and section bars).	Decrease cutting pressure.
	Incorrect blade toothing in relation to the piece to cut.	Check the cutting parameters (blade toothing, cutting speed) in the cuts table (point 4.6).
	Incorrect adjustment of the eccentric and sliding blade-guides.	Check blade-guide adjustment (points 3.5 and 3.6).
	Incorrect cutting speed in relation to the piece to cut.	Check piece positioning and clamping in the vice (point 4.5).
	The piece is wrongly positioned in the vice.	Check blade tension (point 3.1).
	Poor blade tension.	
Cut finish is coarse or corrugated.	The blade is worn or its toothing is not right for the thickness of the piece being cut.	Check the cutting parameters (blade toothing, cutting speed) in the cuts table (point 4.6).
	Excessive cutting pressure.	Decrease cutting pressure.
The blade tends to protrude from the guides.	Excessive blade tension.	Check eccentric blade-guide adjustment (point 3.6).
	Incorrect eccentric blade-guide adjustment.	Specialized personnel should check the pulleys and replace them if necessary.
	Excessive wear of the pulley rubber linings.	Never use any type of lubricant or coolant for the cutting operations; specialized personnel should check and, if necessary, replace the pulleys.
	The blade slips on the pulleys, caused by oil or grease required for cutting operations.	
	Check blade tension (point 3.1).	

Circuit Diagram (Variable Speeds)



SA1	ON/OFF Switch
SA2	Start Switch
Lm	Carbon
T	Temperature Switch
M	Motor,1250W
E	Driver
VR	Change Speeds Button

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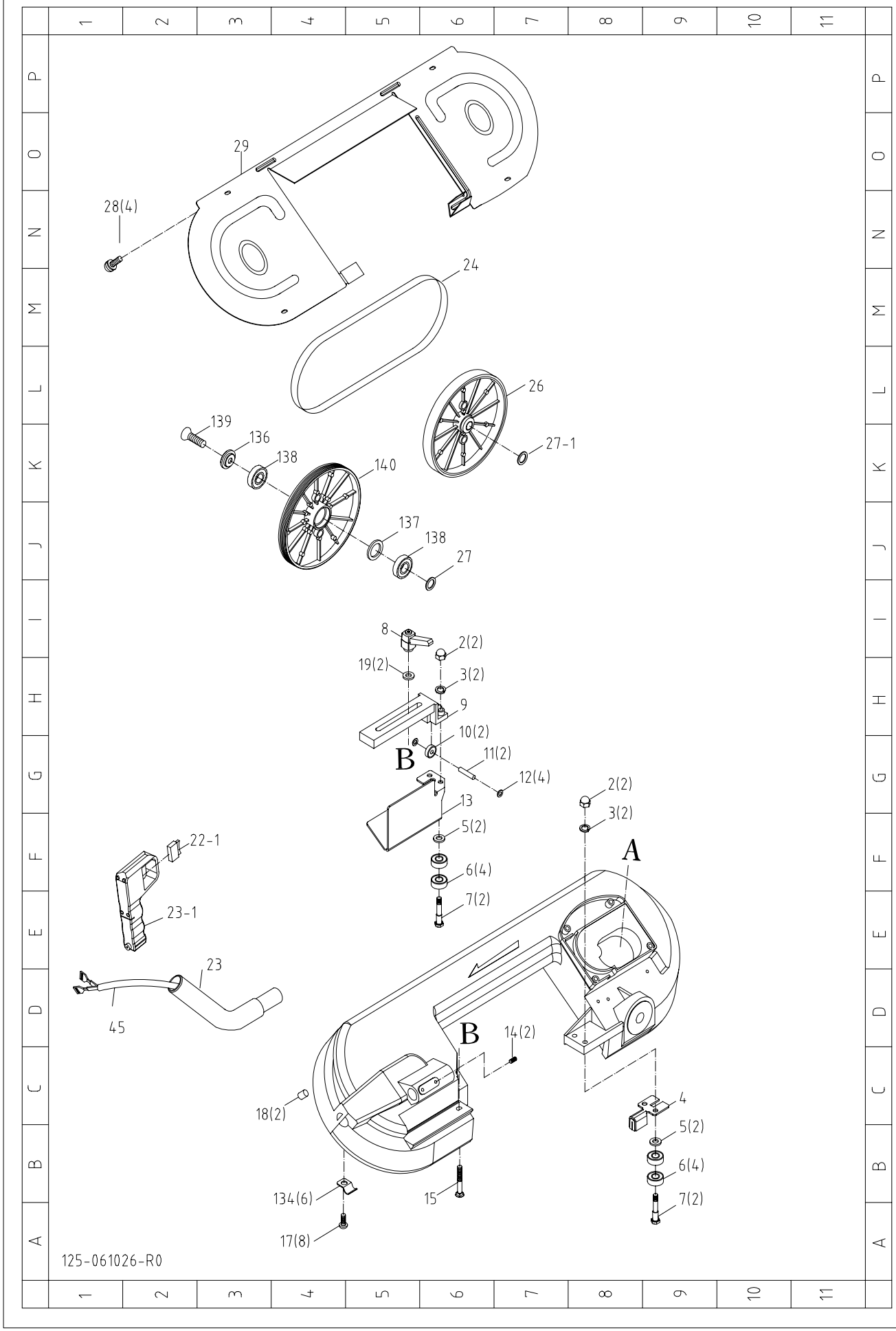
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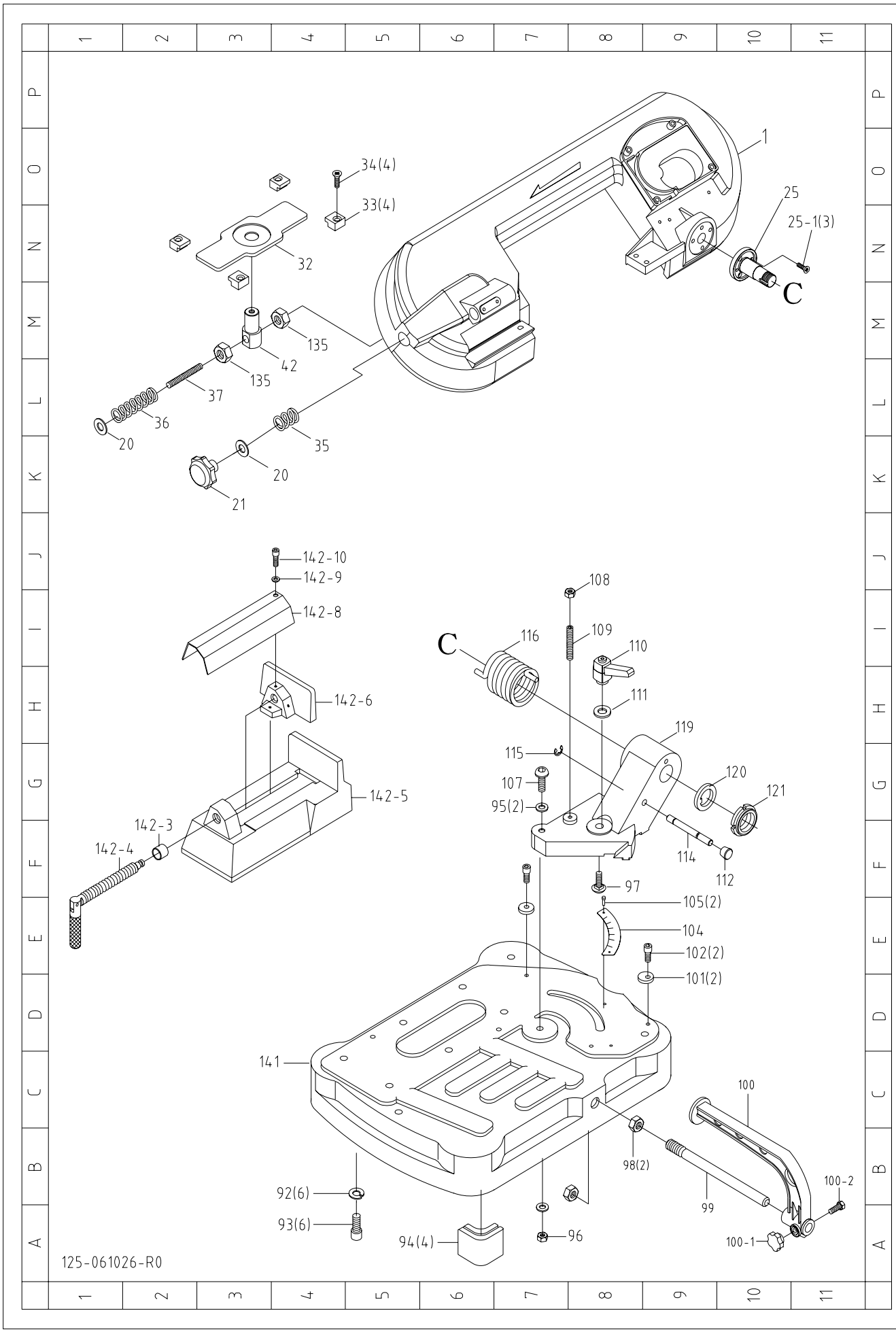
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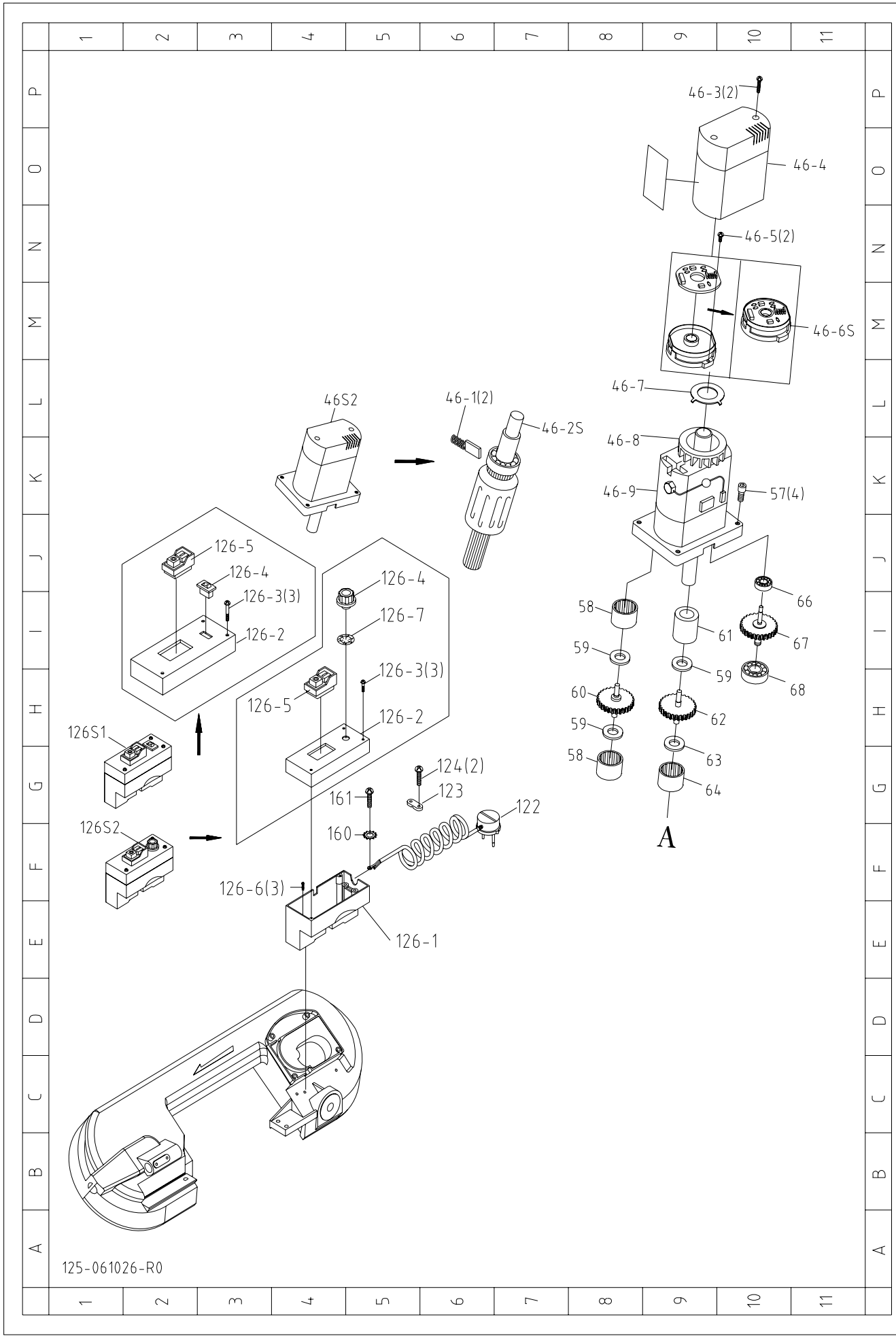
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46-9
57(4)
66
67
68
61
59
62
63
64
58
60
A
46S2
46-1(2)
46-2S
126-5
126-4
126-3(3)
126-2
126-7
126S1
126S2
124(2)
123
122
161
160
126-6(3)
126-1
125-061026-R0

PARTS LIST

MODEL NO. 125

CODE NO	PART NO	DESCRIPTION	SPECIFICATION	QTY	NOTE
1	125002	Body Frame		1	
2	HD901	Nut	M6	4	
3	HW104	Spring Washer	M6	4	
4	111018	Guide Bracket		1	
5	111009	Washer		4	
6	CA6072RS	Bearing	607-2RS	8	
7	111016	Eccentric Shaft		4	
8	111020	Knob		1	
9	125025	Adjustable Bracket (Front)		1	
10	CA6242RS	Bearing	624-2RS	2	
11	111096	Pin	§ 4x19.8L	2	
12	111031	Washer		4	
13	111024A	Blade Cover(Front)		1	
14	HS466	Hex. Socker Headless Screw	M8x8L	2	
15	111067	Carriage Screw	M6x30L	1	
17	HS610	Flat Cross Head Screw	M5x10L	8	
18	111060	Bracket		2	
19	HW004	Washer	M6	2	
20	HW005	Washer	M8	2	
21	111014	Knob		1	
22-1	ET1244	Limit Switch		1	
23	125048	Connecting Tube		1	
24	125050A	Blade	1440x13x0.65-8/12T	1	
25	125017	Fixed Shaft		1	
25-1	HT004	Flat Cross Head Screw	M6x15L	3	
26	111004	Drive Wheel		1	
27	111072	Washer		1	
27-1	111072A	Washer	21.8*15.2-1	1	
28	HE506	Hex. Head Screw	M5x10L	4	
29	125036	Blade Back Cover		1	
32	111022	Tension Bracket		1	
33	111028	Press Cake		4	
34	HT002	Flat Cross Head Screw	M5x16L	4	
35	111056	Spring		1	
36	111017	Spring		1	
37	111013	Bolt		1	
42	111012	Shaft		1	
45	E095212	Cable		1	
46-3	HS815	Cross Round Head Screw	Ø3.5X35L	2	
46-4	111085	Motor Cover		1	

PARTS LIST

MODEL NO. 125

CODE NO	PART NO	DESCRIPTION	SPECIFICATION	QTY	NOTE
46-5	HS816	Cross Round Head Screw	Ø4X15L	2	
46-7	111088A	Separator		1	
46-8	111088	Fan		1	
46-9	111087A	Bracket		1	
46S2	M085	Motor	220V	1	
46S2	M085-2	Motor	110V	1	
46-1	111084	Brush		2	
46-2S	111055AS	Motor Rotor Assembly		1	
	111055	Motor Rotor Shaft		1	
	111055B	Motor Rotor		1	
46-6S	ET2515	Driver Assembly	CF-16(220V)	1	
46-6S	ET2521	Driver Assembly	CF-16(110V)	1	
	111090A	Bracket		1	
57	HS219	Hex. Socket Head Screw	M5x16L	4	
58	CAHK0609	Bearing	HK0609	2	
59	111032	Washer		3	
60	111005	Gear-A		1	
61	111044	Bushing		1	
62	111006	Gear-B		1	
63	111033	Washer		1	
64	CAHK0810	Bearing	HK0810	1	
66	CA6272RS	Bearing	627-2RS	1	
67	111007	Gear-C		1	
68	CA6202LLU	Bearing	6202LLU	1	
92	HW105	Spring Washer	M8	6	
93	HS242	Hex. Socket Head Screw	M8x20L	6	
94	111059	Coaster		4	
95	HW006	Washer	M10x20x2t	2	
96	HB804	Nut	M10	1	
97	HS935	Carriage Screw	M10x33L	1	
98	HN010	Hex. Nut	M14xP1.5	2	
99	111057	Distance Set Rod		1	
100	111058	Distance Set Bracket		1	
100-1	111097	Plum handle		1	
100-2	HS036	Hex. Head Screw	M6x30L	1	
101	111045	Angle Margin		2	
102	HS527	Cross Round Head Screw	M6x10L	2	
104	125033	Degree-Meter		1	
105	111116	Rivet	§ 3.3X6L	2	
107	HS263	Hex. Socket Head Screw	M10x45L	1	

PARTS LIST

MODEL NO. 125

CODE NO	PART NO	DESCRIPTION	SPECIFICATION	QTY	NOTE
108	HN004	Hex. Nut	M6	1	
109	HS425	Hex. Socker Headless Screw	M6x25L	1	
110	111039	Knob		1	
111	HW030	Washer	M10x27x2t	1	
112	111027	Knob W/Shaft		1	
114	111026	Position pin		1	
115	HE010	E Retaining Ring	E7	1	
116	111023	Spring		1	
119	111003N	Swivel Arm		1	
120	125018	Washer		1	
121	HB808	Nut	AN02	1	
122	E195312J	Power cable		1	
123	111091	Cable Setting Nut		1	
124	HS817	Cross Round Head Screw	Ø4X20L	2	
126S1	111093S1	Switch Assembly		1	
126-1	111093N	Cover		1	
126-2	111093A	Cover	2Speed	1	
126-3	HS822	Cross Round Head Screw	Ø4.0X40L	3	
126-4	ET1247	2 Switch	3P	1	
126-5	ET1156	ON/OFF Switch	KJD-17(220V)	1	
126-6	HS519	Cross Round Head Screw	M5X10L	3	
126S2	111093S2	Switch Assembly		1	
126-2	111093C	Cover		1	
126-3	HS815	Cross Round Head Screw	Ø3.5X35L	3	
126-4	ET2147	Revolution Knob		1	
126-5	ET1156	ON/OFF Switch	KJD-17(220V)	1	
126-7	111134	Speed plate		1	
134	111066	Cable Clamp		6	
135	HB803	Hex. Nut	M8	2	
136	111071	Clamp		1	
137	111072	Washer		1	
138	CA60022RS	Bearing	6002-2RS	2	
139	HT004	Hex. Socket Flat Head Scvew	M6x16L	1	
140	111004F	Idler Wheel		1	
141	111040B	Swivel Base		1	
142S	125041AS	Vise Base Assembly		1	
142-3	111051A-2	Bushing		1	
142-4	111051A	Leadscrew		1	
142-5	125041	Vise Base		1	
142-6	125042	Vise Jaw Bracket		1	

PARTS LIST

MODEL NO. 125

CODE NO	PART NO	DESCRIPTION	SPECIFICATION	QTY	NOTE
142-8	111068	Cover		1	
142-9	HW104	Washer	M6	1	
142-10	HS227	Hex. Socket Head Screw	M6x5L	1	
160	HW306	Star Washer	M5	1	
161	HS519	Cross Round Head Screw	M5x10L	1	

ADDRESS:

SERIAL No.:

PLEASE WRITE DOWN THE SERIAL NO. ON THIS BLOCK FROM THE NAME PLATE AFTER YOU RECEIVE THIS MACHINE.