BANDSAW 10-IN

Instruction Manual

IMPORTANT

For your safety, read instructions carefully before assembling or using this product. Save this manual for future reference.

Original Instruction
V.1-201004

HEALTH AND SAFETY GUIDELINES

Always follow the instructions provided with the manual. Always wear safety glasses when using woodworking equipment. Always disconnect the power before adjusting any equipment. Failure to observe proper safety procedures and guidelines can result in serious injury.

WARNING: Do not allow familiarity (gained from frequent use of your machine and accessories) to become commonplace. Always remember that a careless fraction of a second is sufficient to inflict severe injury.

Always wear safety glasses when using woodworking equipment.

Always read the instructions provided before using woodworking equipment.

INDEX

1. GENERAL INFORMATION

1.1 FOREWORD

Some information and illustrations in this manual may difer from the machine in your possession, since all the configurations inherent in the machine complete with all the optionals are described and illustrated. Therefore, refer only to that information strictly connected with the machine configuration you have purchased.

With this manual we would like to provide the necessary information for maintenance and proper use of the machine. The distribution network is at your service for any technical problem, spare parts or any new requirement you may have for the development of your activity.

This manual must be read and understood before operating the machine. This will provde a better working knowledge of the machine, for increased safety and to obtain the best results.

To facilitate its reading, the manual has been divided into sections pointing out the most important operations. For a quick research of the topics, it is recommended to consult the index. To better stress the importance of some basic passages, they have been marked by some preceding symbols:

WARNING Indicates imminent risks which may cause serious injury to the operator or other persons. Be careful and scrupulously follow the instructions.

CAUTION A statement advising of the need to take care lest serious consequences result in harm to material items such as the asset or the product.

1.2 MACHINE IDENTIFICATION

There is a identification plate fixed to the machine, containing the manufacturer's data, year of construction, serial number and technical specifications.

1.3 CUSTOMER SERVICE RECOMMENDATIONS

Apply the machine to skilled and authorized technical staff to carry out any operation dealing with parts disassembly. Keep to the instructions contained in this manual for the correct use of the machine.

CAUTION Only skilled and authorized staff shall use and service the machine after reading this manual. Respect the accident prevention regulations and the general safety and industrial medicine rules.

2. SAFETY PRECAUTIONS

2.1 SAFETY REGULATIONS

WARNING Read carefully the operation and maintenance manual before starting, using, servicing and carrying out any other operation on the machine.

The manufacturer disclaims all responsibilities for damages to persons or things, which might be caused by any failure to comply with the safety regulations.

- The machine operator shall have all necessary prerequisites in oder to operate a complex machiery.
- It is prohibited to use the machine when under the influence of alcohol, drugs or medication.
- All the operators must be suitably trained for use, adjustment and operation of the machine.
- The operators must carefully read the manual paying particular attention to the warning and safety notes. Furthermore, they must be informed on the dangers associated with use of the machine and the precautions to be taken, and must be instructed to periodically inspect the guards and safety devices.
- Before carrying out adjustment, repair or cleaning work, disconnect the machine from the electric power by setting the main switch to stop.
- After an initial bedding-in period or many hours of operation, the driving belts may slacken; this causes an increase in the tool stopping time (the stopping time must be less than 10 seconds). Immediately tighten them.
- The working area around the machine must be kept always clean and clear, in order to have an immediate and easy access to the switchboard.
- Never insert materials which are different from those which are prescribed for the machine utilization. The material to be machined must not contain any metal parts.
- Never machine pieces which may be too small or too wide ithrespect to the machine capacity.
- Do not work wood which has evident defects (cracks, knots, metal parts, etc.)
- Never place hands among the moving parts and/or materials.
- Keep hands clear from the tool; feed the piece with the aid of a pusher.
- Keep the tools tidy and far away from those not authorized persons.
- Never employ cracked nor uckled, neither not correctlyreground tools.
- Never use the tools beyond the speed limit recommended bythe producers.
- Carefully clean the rest surfaces of tools and make surethat they find perfectly horizontally positioned, and with no dents at all.
- Always wear gauntlets when handling the tools.
- Mount the tools in the right machining direction.
- Never start the machine before having correctly installed all the protections.
- Connect the dust suction hoods to an adequate suction system; suction must always be activated when the machine is switched on.
- Never open doors or protections when the machine or the system is operating.
- Many unpleasant experiences have shown that anybody may wear objects which could cause serious accidents. Therefore, before starting working, take any bracelet, watch or ring off.
- Button the working garment sleeve well around the wrists.
- Take any garment off which, by hanging out, may get tangled in the MOVING UNITS.
- Always wear strong working footwear, as prescribed by the accident-prevention regulations of all countries.
- Use protection glasses. Use appropriate hearing protection systems (headsets, earplugs, etc.) and dust protection masks.
- Never let unauthorized people repair, service or operate the machine.
- The manufacturer is not responsible for any damage deriving from arbitrary modifications made to the machine.
- Any transport, assembly and dismantling is to be made only by trained staff, who shall have specific skill for the specified operation.
- The operator must never leave the machine unattended during operation.
- During any working cycle break, switch the machine off.
- In case of long working cycle breaks, disconnect the general power supply.

2.2 RESIDUAL RISKS

Despite observance of all the safety regulations, and use according to the rules described in this manual, residual risks may still be present, among which the most recurring are:

- contact with tool
- contact with moving parts (belts, pulleys, etc..)
- recoil of the piece or part of it
- accidents due to wood splinters or fragments
- tool insert ejection
- electrocution from contact with live parts
- danger due to incorrect tool installation
- inverse tool rotation due to incorrect electrical connection
- danger due to dust inhalation in case of working without vacuum cleaner.

Bear in mind that the use of any machine tool carries risks.
Use the appropriate care and concentration for any type of machining (also the most simple).
The highest safety is in your hands.

2.3 SAFETY AND INFORMATION SIGNALS

This signals may be applied on the machine; in some cases they indicate possible danger conditions, in others they serve as indication.
Always take the utmost care.

SAFETY SIGNALS:


Risk of eye injury. Wear eye protection.


Wear hearing protection systems.

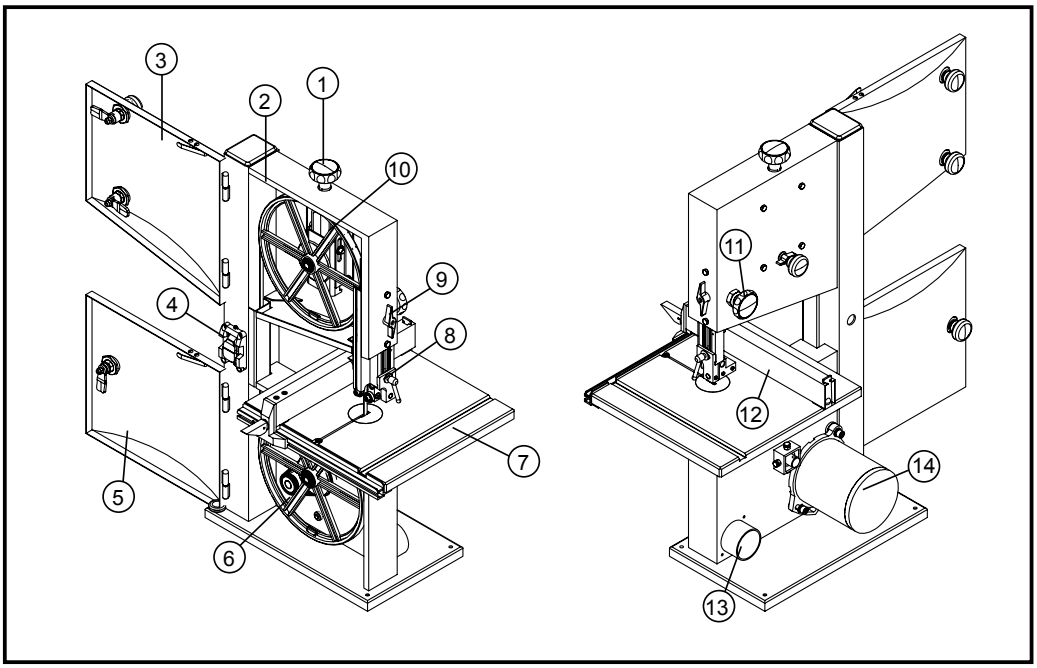

Danger of electric shock. Do not access the area when the machine is powered.


Carefully read and understand the manual before using the machine.

INFORMATION SIGNALS:
Indicate the technical characteristics, direction of rotation and inclination, block and release, etc.
Carefully following the directions to simply the use and adjustment of the machine.
The signals are graphically described and do not require further explanation.

3. SPECIFICATIONS

3.1 MAIN COMPONENTS



1 - Blade tension knob
2 - Safety switch (Optional)
3 - Upper door
4 - Switch
5 - Lower door
6 - Lower wheel
7 - Table
8 - Blade guard
9 - Blade guard locking knob
10 - Upper wheel
11 - Lifting knob
12 - Rip fence
13 - Dust port
14 - Motor

3.2 TECHNICAL SPECIFICATION

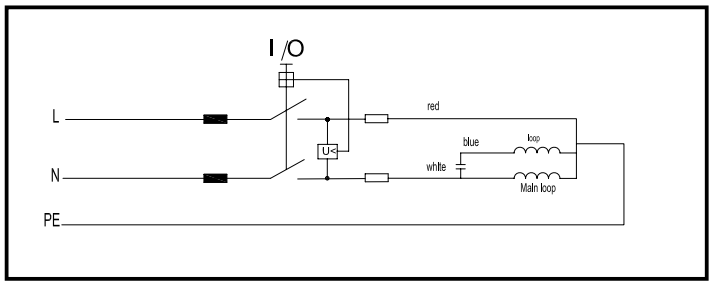
SPECIFICATION	BAS250	
Motor voltage	230V/50HZ	120V/60HZ
Motor power	200W	1/3HP
Blade length	1790mm	70-1/2"
Blade width	6-13mm	1/4" - 1/2"
Max. cut depth	120mm	4-5/8"
Throat width	245mm	9-5/8"
Blade speed	700m/min	2800FPM
Table size	350x318mm	13-3/4" x 12-1/2"
Table tilt	0~45°	0~45°
Table height to floor	388mm	15-1/4"

3.3 ELECTRICAL CONNECTION

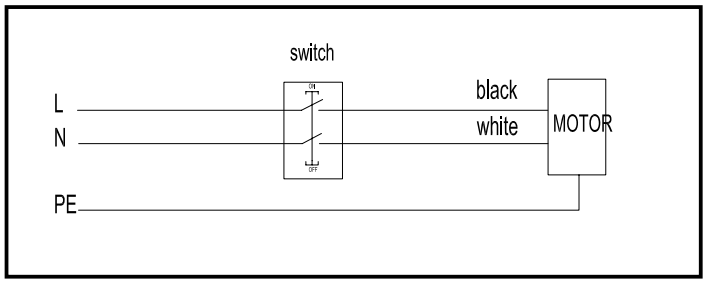
- Electrical installation should be carried out by competent, qualified personnel.
- The mains connection should be made using the terminal box.
- Replacement of the power supply cable should only be done by a qualified electrician.

WARNING

To avoid electrocution or fire, any maintenance or repair to electrical system should be done only by qualified electricians using genuine replacement parts.



230V/50HZ



120V/60HZ

3.4 NOISE LEVEL

	No load	Load
Sound Pressure Level	< 80dB(A)	< 90dB(A)
Sound Power Level	< 90dB(A)	< 100dB(A)

The noise levels measured are emission levels and not necessarily the safe working level. Although there is a correlation between the emission levels and the exposure levels, this cannot be used reliably to determine whether or not further precautions are required. The factors which affect the actual level of operator exposure include the duration of exposure, the ambient characteristics and other sources of emission, for example, the number of machines and other adjacent machining. The permitted exposure values may also vary from country to country. Nevertheless, this information allows the user of the machine to better evaluate the dangers and risks.

Other factors which reduce exposure to noise are:
- correct tool choice
- tool and machine maintenance
- use of hearing protection systems (e.g. headsets, earplugs,...)

WARNING Please use the hearing protection systems if the above mentioned noise levels exceed 95dB(A).

3.5 DUST EXTRACTION

If this band saw is operated indoors it is recommended to have it connected to a dust collector. The suction connector, supplied with the machine, has to be fitted to the dust ejection port of the saw for this purpose. The diameter of the suction connector is 60 mm.

- Workmen working in operations processing oak or beech timber where found to develop more often cancer of the mucous membrane of the nose (adenocarciome of the inner nose) then other workers.

- Experience shows that skin contact with oak or beech dust does not cause cancer

WARNING Wood dust and chips, together with an ignition source and the oxygen in the ambient air, can cause fires and explosions, injuries and allergies.

3.6 SAFETY DEVICES (Optional)

The machine is equipped with two safety switches as the picture shown:

A - Safety Switch.
Stops the machine if the upper door or lower door is opened to perform operations on the blade.

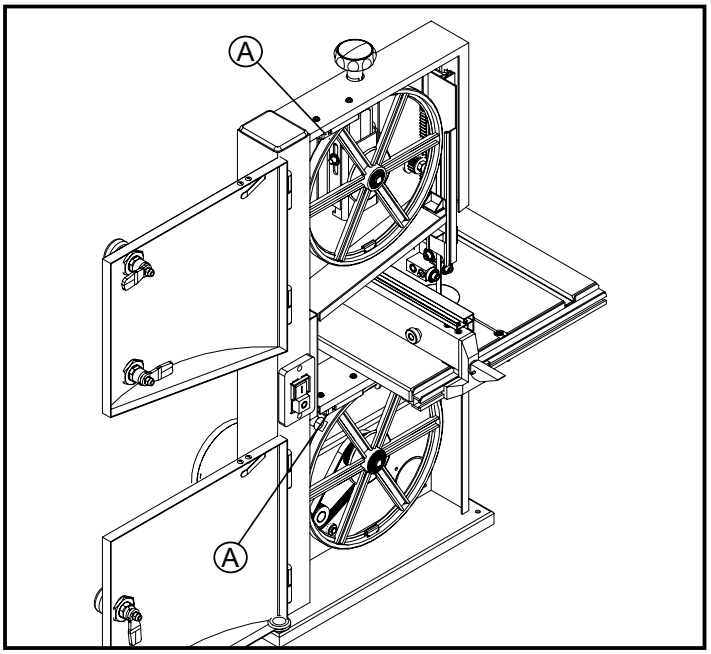


Fig.3.6

4. INSTALLATION

4.1 INSTALLATION ZONE CHARACTERISTICS

WARNING

It is prohibited to install the machine in explosive environments.

The installation zone must be selected evaluating the work space required depending on the dimension of the pieces to be machined,and taking into account that a free space of at least 800 mm must be left around the machine.It is also necessary to check The floor capacity and its surface, so that the machine base is evenly resting on its four supports.A power outlet and a chip-suction system connection shall be closeto the selected machine setting and it must be conveniently lighted.

4.2 INSTALL OF LOOSE PARTS - INTRODUCTION

A few elements will be disassembled from the machine main structure due to packaging and shipping requirements. These loose parts should be installed as follows.

WARNING

Please tighten all bolts and nuts absolutely. Otherwise, may cause machine wobble or serious injury to the operator or other persons.

4.2.1 INSTALL UPPER TRUNNION

- Put the upper trunnion A on to the frame as the picture shown.
- Put the carriage bolt 1 through the slider B and upper trunnion A.
- Mount the wing nut C through the washer 2 onto the carriage bolt 1, and tighten.

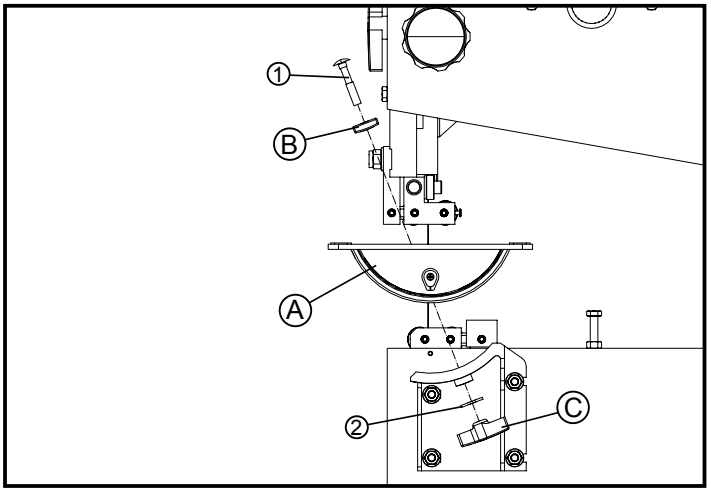


Fig.4.2.1

4.2.2 INSTALL TABLE

Tools Required for Assembly:
- Hex wrench

- Put the table A onto the trunnion. Aline the mounting holes which are on the bottom of table to the four holes on trunnion.
- Use four hex bolt 1 and four teeth washer 2 to mount the table A to trunnion.

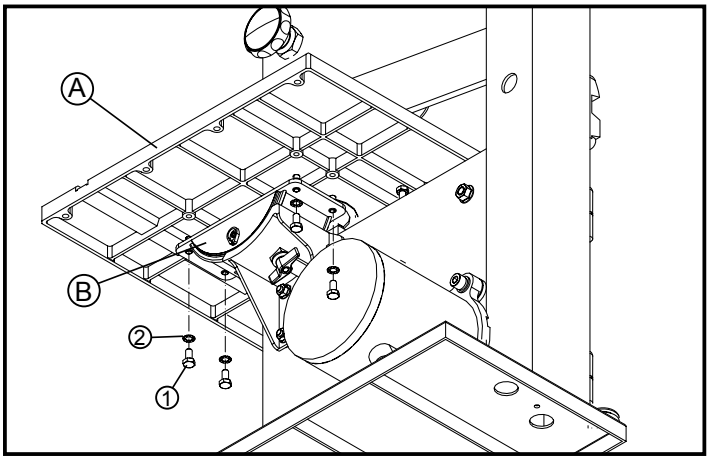


Fig.4.2.2

4.2.3 INSTALL LEVELING BOLT AND RIP FENCE

- Put the leveling bolt 1 through the table B.
- Tighten the leveling bolt with wing nut 3 and washer 2.
- Install the guide rail C to table with star knob 5 and washer 4.
- Slide the rip fence assembly A along the guide rail to table.

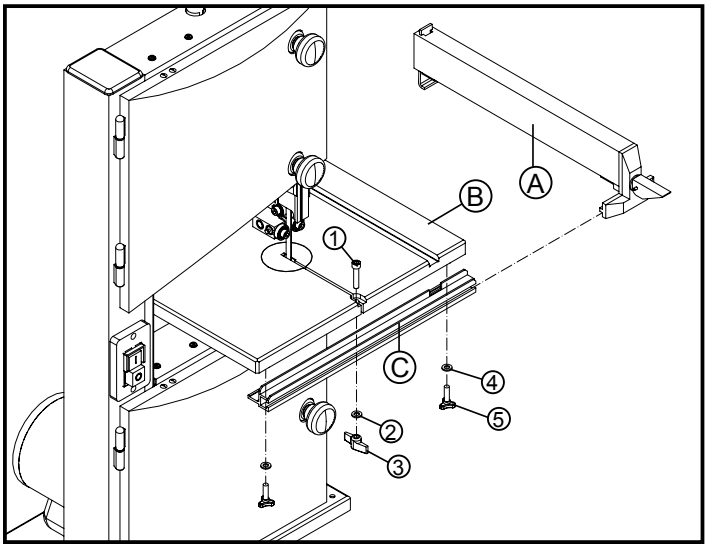


Fig.4.2.3

5. ADJUSTMENT AND OPERATION

WARNING

Handle the tools with protective gloves.

5.1 CENTERING TABLE AND TILTING

- Loosen the screws A which hold the lower table trunnion.
- Move table sideways as required until sawblade runs through the center of table insert.
- For bevel cuts the saw blade tilts steplessly through 45degree. To tilt, loosen the wing nut B on the table trunnions, set table to the required angle and tighen the wing nut again.
- Exchange the table insert against the one with the wide slot, so the blade can travel freely.
- It is recommended to verify the correct angle setting by making trial cuts in scrap wood.

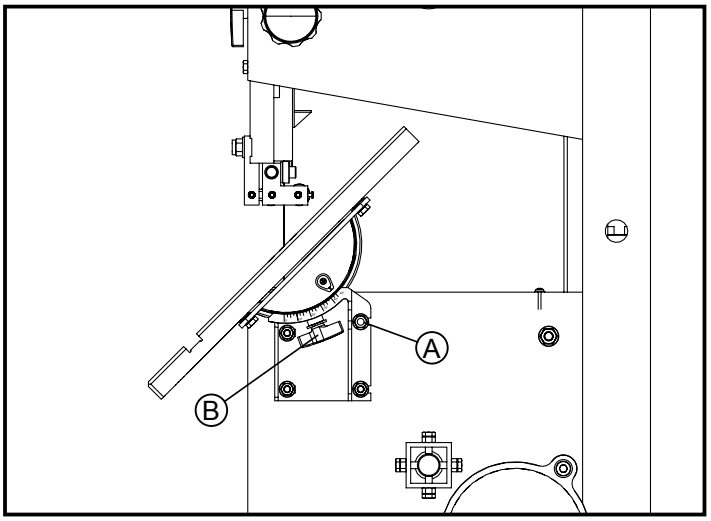


Fig.5.1

5.2 SETTING TABLE SQUARE WITH BLADE

- PLEASE REFER TO FIG.5.1
- The table can be tilted up to 45degree. To tilt, loosen the wing nut of the table trunnion.
- Loosen the wing nut on the trunnion and adjust the table at 90degree with the blade.
- Check the table with a square to make sure the table is 90degree with the blade. If an adjustment is necessary, loosen the screw and adjust the pointer to 0 degree.

5.3 CHANGING AND SETTING THE BLADE

- This band saw is factory-equipped with a general purpose wood cutting blade, the blade set. To change the blade, remove the wing nut and screw from the table. Then slacken the blade tension by turning the hand wheel on top of the upper wheel housing.

- Fit new blade and tension lightly. The blade should run in the center of the rubber lined band saw wheels or else it may jump of. To check tracking, turn upper wheel by hand. If required, adjust tracking with the knurled handle at the rear of the upper wheel housing.

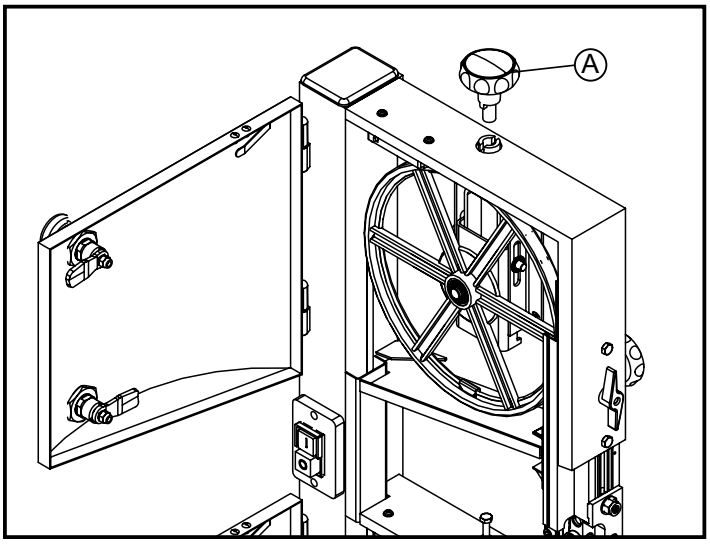


Fig.5.3

5.4 BLADE GUIDING

- 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. Set the bearings of the upper blade guide to within approx. 0.5 mm of the blade, and the large thrust bearing 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.

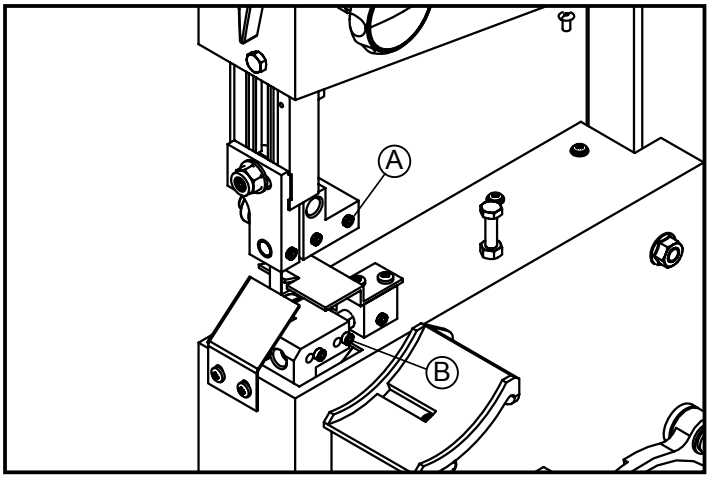


Fig.5.4

5.5 SETTING CUTTING HEIGHT

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

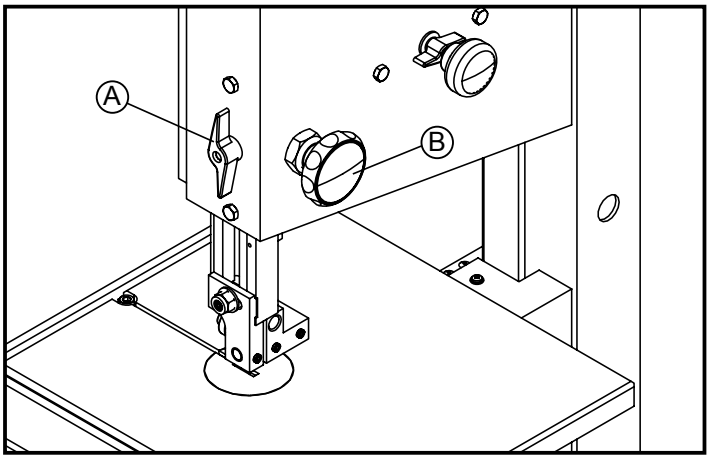


Fig.5.5

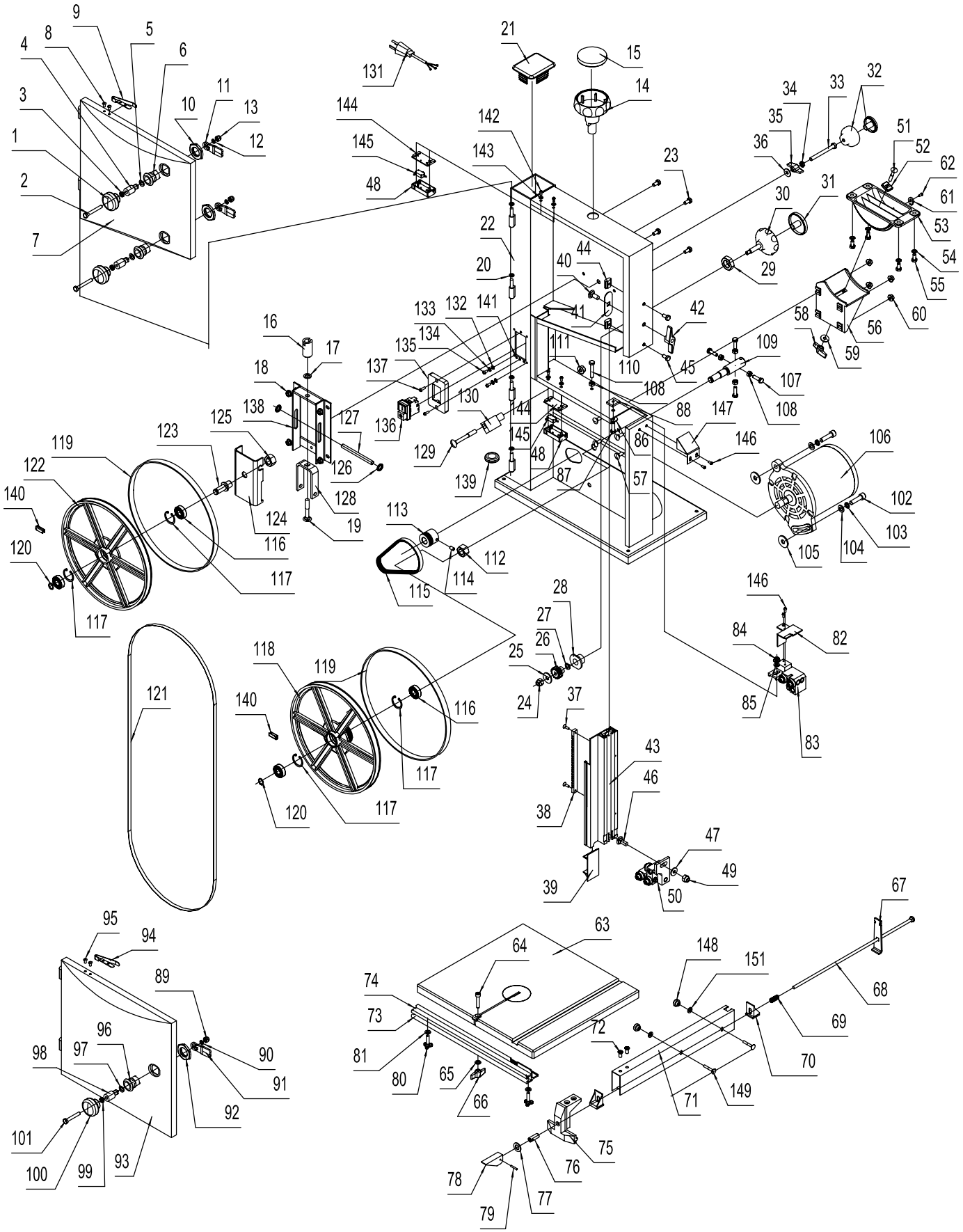
6. TROUBLE SHOOTING

WARNING

- For any information or problem contact your area dealer or our technical service center. The necessary interventions must be carried out by specialised technical personel.
- Before carrying out any fault service or maintenance work, please always TRUN OFF THE SWITCH, UNPLUG POWER CABLE, WAIT FOR SAW BLADE TO COME TO STANDSTILL.

Trouble	Possible Cause	Solution
Saw stops or will not start	1. Saw unplugged 2. Fuse blown or circuit breaker tripped 3. Cord damaged	1. Check plug connections 2. Replace fuse or reset circuit breaker 3. Replace cord
Does not make accurate 45° or 90° cuts	1. Stop not adjusted correctly 2. Angle pointer not set accurately 3. Miter gauge out of adjustment	1. Check blade with square and adjust stop 2. Check blade with square and adjust pointer 3. Adjust miter gauge
Blade wanders during cut	1. Fence not aligned with blade 2. Warped wood 3. Excessive feed rate 4. Incorrect blade for cut 5. Blade tension not set properly 6. Guide bearings not set properly	1. Check and adjust fence 2. Select another piece of wood 3. Reduce feed rate 4. Change blade to correct type 5. Set blade tension according to blade size 6. Review guide bearing adjustment on pages 8 & 9
Saw makes unsatisfactory cuts	1. Dull blade 2. Blade mounted wrong 3. Gum or pitch on blade 4. Incorrect blade for cut 5. Gum or pitch on table	1. Replace blade 2. Teeth should point down 3. Remove blade and clean 4. Change blade to correct type 5. Clean table
Blade does not come up to speed	1. Extension cord too light or to long 2. Low shop voltage	1. Replace with adequate size and length cord 2. Contact your local electric company
Saw vibrates excessively	1. Base on uneven floor 2. Bad V-belt 3. Motor mount is loose 4. Loose hardware	1. Reposition on flat, level surface 2. Replace V-belt 3. Tighten motor mount hardware 4. Tighten hardware

7. DIAGRAMS & COMPONENTS **(Available for 50Hz)**

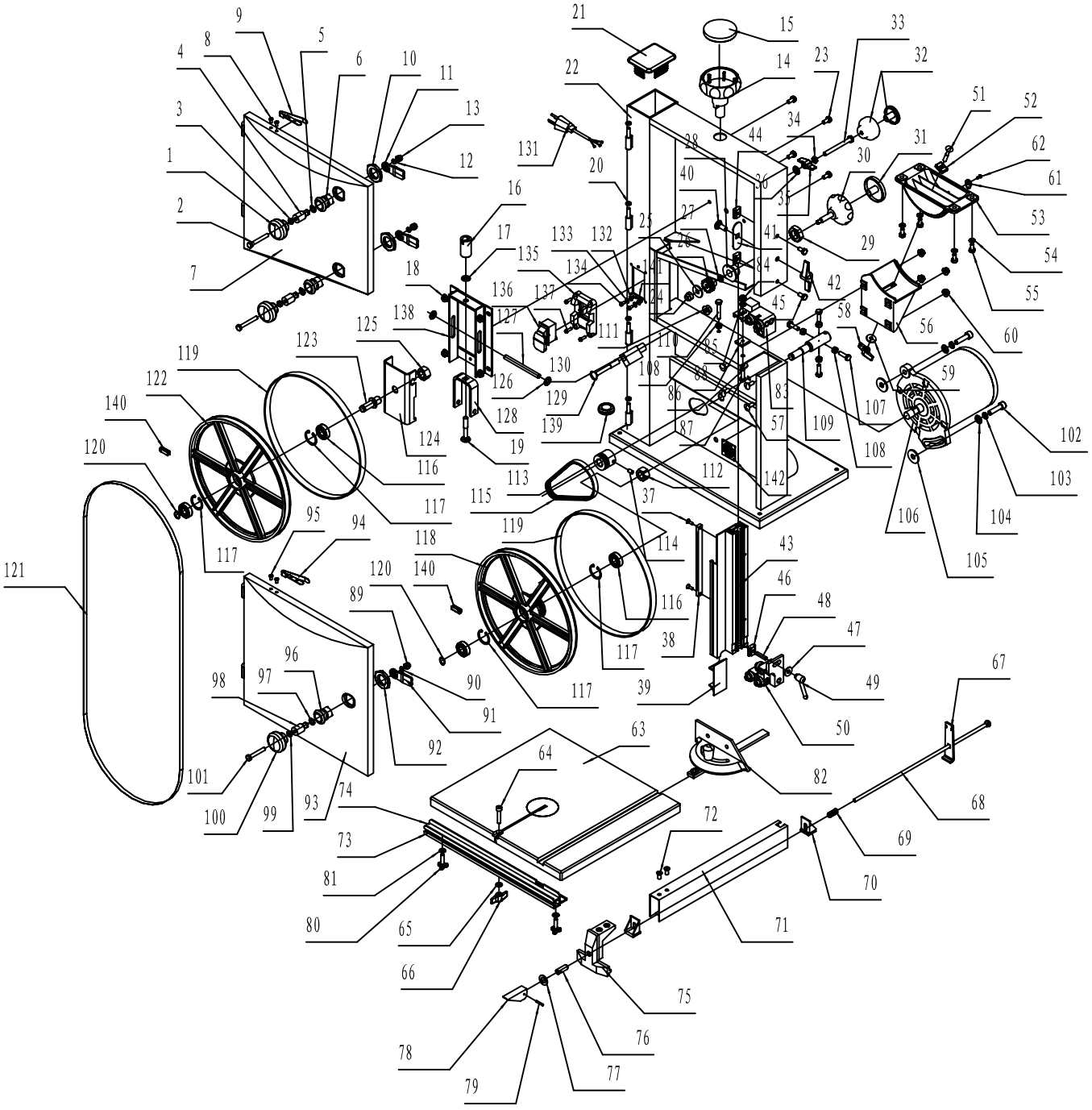


(Available for 50Hz)

No.	Description	Part No.	Qty.
1	Knob Assembly	JL20061100-001S	2
2	Hex bolt	1-M6X45GB5781Z	2
3	Hex nut	1-M6GB6172Z	2
4	Locker insert	1-JL20010010F	2
5	Washer	1-JL20010014	2
6	Locker body	1-JL20010011A-001S	2
7	Upper door	1-JL22012000D-060U	1
8	Rivet	1-RVT4X8GB12618A	2
9	Spring plate	1-JL22010008	1
10	Hex nut	1-JL20010012	2
11	Plate	1-JL20010009	2
12	Washer	1-WSH6GB93Z	2
13	Lock nut	1-M6GB889ZF	2
14	Tension handle	1-JL22024001-001S	1
15	Tension handle cap	1-JL22024002-001S	1
16	Tension nut	1-JL22021003	1
17	Washer	1-WSH8GB97D1Z	1
18	Flange nut	1-M6GB6177Z	4
19	Carriage bolt	1-M8X50GB14Z	1
20	Tube	1-JL20010001A	4
21	End cap	1-JL22010001A-001S	1
22	Frame	1-JL22011000N-124U	1
23	Hex bolt	1-M6X12GB5781B	4
24	Lock nut	1-M6GB889ZF	1
25	Washer	1-WSH6GB97D1Z	1
26	Gear	1-JL22040001	1
27	Washer	1-JL22040003	1
28	Bolt	1-JL22040002A	1
29	Hex nut	1-JL22040007	1
30	Adjust handle	1-JL22044001-001S	1
31	Handle cap	1-JL20024001-001S	1
32	Knob Assembly	1-JL20061100-001S	1
33	Hex bolt	1-M6X60GB5781Z	1
34	Hex nut	1-M6GB6172Z	1
35	Wing nut	1-JL22020002B-001S	1
36	Washer	1-WSH6GB96Z	1
37	Tapping screw	1-ST3D5X13GB846B	2
38	Rack	1-JL22041006	1
39	Slider	1-JL22041009	1
40	Carriage bolt	1-M8X20GB14Z	1
41	Washer	1-JL20041004	1
42	Wing nut	1-JL20010016-001S	1
43	Guide rail	1-JL22041001C	1
44	T nut	1-JL22041008B	2
45	Hex bolt	1-M6X12GB5781B	2
46	Carriage bolt	1-M8X20GB14Z	1
47	Washer	1-WSH8GB97D1Z	1
48	Cover	1-JL20073002	2
49	Lock nut	1-M8GB889Z	1
50	Upper guider	1-JL22042000	1
51	Carriage bolt	1-M6X35GB12Z	1
52	Slider	1-JL22030002-001S	1
53	Trunnion	1-JL22032001B	1
54	Washer	1-WSH6GB862D2Z	4
55	Hex bolt	1-M6X12GB5783Z	4
56	Bracket	1-JL22030001	1
57	Carriage bolt	1-M6X16GB14Z	4
58	Wing nut	1-JL22020002B-001S	1
59	Washer	1-WSH6GB97D1Z	1
60	Flange nut	1-M6GB6177Z	4
61	Indicator	1-1506003-01016S	1
62	Tapping screw	1-ST3D5X9D5GB845Z	1
63	Table	1-JL22031000	1
64	Screw	1-M6X30GB70Z	1
65	Washer	1-WSH6GB97D1Z	1
66	Wing nut	1-JL22020002A-001S	1
67	Plate	1-JL22061006A	1
68	Rod	1-JL22061009	1
69	Rod spring	1-0802004	1
70	Guide base	1-JL22061005A	2
71	Plate	1-JL22061001C	1
72	Screw	1-M6X10GB819Z	2
73	Guide rail	1-JL22033001B	1
74	Scale	1-RC22033002	1
75	Bracket	1-JL22061002A	1

No.	Description	Part No.	Qty.
76	Thread rod	1-JL22061003	1
77	Washer	1-WSH10GB97D1Z	1
78	Handle	1-JL22061004	1
79	Roll pin	1-PIN3X18GB879B	1
80	Knob	1-JL60020023B	2
81	Washer	1-WSH6GB97D1Z	2
82	Blade guard	1-JL22040005	1
83	Lower guider	1-JL22043000A	1
84	Lock nut	1-M6GB889Z	1
85	Washer	1-WSH6GB97D1Z	1
86	Washer	1-WSH6GB96Z	1
87	Hex bolt	1-M6X20GB5783Z	1
88	Plate	1-JL22040004	1
89	Lock nut	1-M6GB889ZF	1
90	Spring washer	1-WSH6GB93Z	1
91	Plate	1-JL20010009	1
92	Nut	1-JL20010012	1
93	Lower door	1-JL22013000A060U	1
94	Spring plate	1-JL22010008	1
95	Rivet	1-RVT4X8GB12618A	2
96	Locker	1-JL20010011-001S	1
97	Spring washer	1-JL20010014	1
98	Locker insert	1-JL20010010D	1
99	Hex nut	1-M6GB6172Z	1
100	Knob Assembly	1-JL20061100-001S	1
101	Hex bolt	1-M6X40GB5781Z	1
102	Screw	1-M8X30GB70B	2
103	Spring washer	1-WSH8GB93Z	2
104	Washer	1-WSH8GB97D1Z	2
105	Washer	1-WSH8GB96Z	2
106	Motor	1-WH7423544	1
107	Hex bolt	1-M6X20GB5783Z	4
108	Hex nut	1-M6GB6170Z	5
109	Lower shaft	1-JL22020004	1
110	Hex bolt	1-M6X35GB5781Z	1
111	Flange nut	1-M8GB6177Z	1
112	Hex nut	1-M14GB6171Z	1
113	Motor pulley	1-JL22071001A	1
114	Set screw	1-M6X10GB80B	1
115	Belt	1-JL22020003	1
116	Bearing	1-BRG80101GB278	4
117	Retaining ring	1-CLP28GB893D1B	4
118	Lower wheel	1-JL22023001	1
119	Rubber	1-JL22022002	2
120	Retaining ring	1-CLP12GB894D1B	2
121	Blade	1-JL22020001A	1
122	Upper wheel	1-JL22022001	1
123	Upper shaft	1-JL22021006	1
124	Upper shaft bracket	1-JL23021001-001Z	1
125	Hex nut	1-M14GB6171Z	1
126	Retaining ring	1-JL22021004	2
127	Guide shaft	1-JL22021002	1
128	Plate	1-JL22021001-001Z	1
129	Carriage bolt	1-M8X70GB14B	1
130	Brush	1-JL22010006	1
131	Cable	1-B33752300	1
132	Washer	1-WSH4GB862D2Z	2
133	Washer	1-WSH4GB97D1Z	2
134	Screw	1-M4X8GB818Z	2
135	Switch plate	1-JL20070002B	1
136	Switch	1-KJD20-2	1
137	Screw	1-M4X12GB823Z	2
138	Tension plate	1-JL22021100-001Z	1
139	Ruuber tube	1-JL20072003	1
140	Balance plate	1-JL22022003	4
141	Grounding label	1-1506011	1
142	Tapping screw	1-ST3D5X20GB845Z	4
143	Washer	1-WSH4GB97D1Z	4
144	Cover	1-JL20073003	2
145	Safety switch	1-KW3-0Z-2B	2
146	Screw	1-M4X8GB818Z	4
147	Right blade guard	1-JL22040006	1
148	Nut	1-JL20061003-001S	2
149	Carriage bolt	1-M6X40GB14Z	2
151	Washer	1-WSH6GB97D1Z	2

8. DIAGRAMS & COMPONENTS **(Available for 60Hz)**



(Available for 60Hz)

No.	Description	Part No.	Qty.
1	Knob Assy	JL20061100-001S	2
2	Bolt	1-M6X45GB5781Z	2
3	Nut	1-M6GB6172Z	2
4	Locker insert	1-JL20010010F	2
5	Washer	1-JL20010014	2
6	Locker body	1-JL20010011A-001S	2
7	Upper door	1-JL22012000D-060U	1
8	Rivet	1-RVT4X8GB12618A	2
9	Plate	1-JL22010008	1
10	Nut	1-JL20010012	2
11	Plate	1-JL20010009	2
12	Washer	1-WSH6GB93Z	2
13	Nut	1-M6GB889ZF	2
14	Base	1-JL22024001-001S	1
15	Cap	1-JL22024002-001S	1
16	Nut	1-JL22021003	1
17	Washer	1-WSH8GB97D1Z	1
18	Nut	1-M6GB6177Z	4
19	Carriage bolt	1-M8X50GB14Z	1
20	Tube	1-JL20010001A	4
21	End cap	1-JL22010001A-001S	1
22	Frame	1-JL22011000I-124U	1
23	Bolt	1-M6X12GB5781B	4
24	Nut	1-M6GB889ZF	1
25	Washer	1-WSH6GB97D1Z	1
26	Gear	1-JL22040001	1
27	Washer	1-JL22040003	1
28	Bolt	1-JL22040002A	1
29	Nut	1-JL22040007	1
30	Base	1-JL22044001-001S	1
31	Cap	1-JL20024001-001S	1
32	Knob Assy	1-JL20061100-001S	1
33	Bolt	1-M6X60GB5781Z	1
34	Nut	1-M6GB6172Z	1
35	Nut	1-JL22020002B-001S	1
36	Washer	1-WSH6GB96Z	1
37	Screw	1-ST3D5X13GB846B	2
38	Rod	1-JL22041006	1
39	Plate	1-JL22041009	1
40	Bolt	1-M8X20GB14Z	1
41	Plate	1-JL20041004	1
42	Nut	1-JL20010016-001S	1
43	Rod	1-JL22041001D	1
44	Nut	1-JL22041008B	2
45	Bolt	1-M6X12GB5781B	2
46	Nut	1-JL22041008A	1
47	Washer	1-WSH6GB96Z	1
48	Screw	1-M6X25GB80B	1
49	Handle	1-JL46084000-001S	1
50	Guider	1-JL22042000	1
51	Bolt	1-M6X35GB12Z	1
52	Bracket	1-JL22030002-001S	1
53	Trunnion	1-JL22032001B	1
54	Washer	1-WSH6GB862D2Z	4
55	Bolt	1-M6X12GB5783Z	4
56	Bracket	1-JL22030001	1
57	Bolt	1-M6X16GB14Z	4
58	Nut	1-JL22020002B-001S	1
59	Washer	1-WSH6GB97D1Z	1
60	Nut	1-M6GB6177Z	4
61	Indicator	1-1506003-01016S	1
62	Screw	1-ST3D5X9D5GB845Z	1
63	Table	1-JL22031000	1
64	Screw	1-M6X30GB70Z	1
65	Washer	1-WSH6GB97D1Z	1
66	Nut	1-JL22020002A-001S	1
67	Plate	1-JL22061006A	1
68	Rod	1-JL22061009	1
69	Plate	1-0802004	1
70	Base	1-JL22061005A	2
71	Fence	1-JL22061001D	1
72	Screw	1-M6X10GB819Z	2
73	Rod	1-JL22033001B	1
74	Scale	1-SR22033002	1
75	Base	1-JL22061002A	1

No.	Description	Part No.	Qty.
76	Rod	1-JL22061003	1
77	Washer	1-WSH10GB97D1Z	1
78	Handle	1-JL22061004	1
79	Pin	1-PIN3X18GB879B	1
80	Knob	1-JL60020023B	2
81	Washer	1-WSH6GB97D1Z	2
82	Gauge	1-JL60040000A	1
83	Guider	1-JL22043000A	1
84	Nut	1-M6GB889Z	1
85	Washer	1-WSH6GB97D1Z	1
86	Washer	1-WSH6GB96Z	1
87	Bolt	1-M6X20GB5783Z	1
88	Plate	1-JL22040004	1
89	Nut	1-M6GB889ZF	1
90	Washer	1-WSH6GB93Z	1
91	Plate	1-JL20010009	1
92	Nut	1-JL20010012	1
93	Lower door	1-JL22013000A060U	1
94	Plate	1-JL22010008	1
95	Rivet	1-RVT4X8GB12618A	2
96	Locker body	1-JL20010011-001S	1
97	Washer	1-JL20010014	1
98	Locker insert	1-JL20010010D	1
99	Nut	1-M6GB6172Z	1
100	Knob Assy	1-JL20061100-001S	1
101	Bolt	1-M6X40GB5781Z	1
102	Screw	1-M8X30GB70B	2
103	Washer	1-WSH8GB93Z	2
104	Washer	1-WSH8GB97D1Z	2
105	Washer	1-WSH8GB96Z	2
106	Motor	1-G7412634B	1
107	Bolt	1-M6X20GB5783Z	4
108	Nut	1-M6GB6170Z	5
109	Shaft	1-JL22020004	1
110	Bolt	1-M6X35GB5781Z	1
111	Nut	1-M8GB6177D1B	1
112	Nut	1-M14GB6171Z	1
113	Pulley	1-JL22071001A	1
114	Screw	1-M6X10GB80B	1
115	Belt	1-JL22020003	1
116	Bearing	1-BRG80101GB278	4
117	Ring	1-CLP28GB893D1B	4
118	Lower wheel	1-JL22023001	1
119	Tyre	1-JL22022002	2
120	Ring	1-CLP12GB894D1B	2
121	Blade	1-JL22020001A	1
122	Upper wheel	1-JL22022001	1
123	Shaft	1-JL22021006	1
124	Base	1-JL23021001-001Z	1
125	Nut	1-M14GB6171Z	1
126	Ring	1-JL22021004	2
127	Shaft	1-JL22021002	1
128	Bracket	1-JL22021001-001Z	1
129	Bolt	1-M8X70GB14B	1
130	Brush	1-JL22010006	1
131	Cable	1-U23182300-471	1
132	Washer	1-WSH4GB862D2Z	2
133	Washer	1-WSH4GB97D1Z	2
134	Screw	1-M4X8GB818Z	2
135	Plate	1-JL20070002A	1
136	Switch	1-HY18-32A	1
137	Screw	1-M4X12GB823Z	4
138	Bracket	1-JL22021100-001Z	1
139	Tube	1-JL20072003	1
140	Clamp	1-JL22022003	4
141	Plate	1-1506011	1
142	Barrier	1-JL22010004	1