

# WOODFAST

## SAWMILL

### HB350A/B

# Instruction Manual

## IMPORTANT

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



Original Instruction  
V. 1-201809

## 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.

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# 1. GENERAL INFORMATION

## 1.1 FOREWORD

Some information and illustrations in this manual may differ from the machine in your hand, since all the configurations inherent in the machine complete with all the optional are described and illustrated. Therefore, refer only to that information strictly related 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 provide a better working knowledge of the machine, for increased safety and to obtain the best results.

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.

-It is prohibited to use the machine when under the influence of alcohol, drugs or medication.

-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.
- Never process pieces which may be too small or too wide to the machine capacity.
- Do not process wood which has evident defects(cracks, knots, metal parts, etc)
- 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.
- Use qualified tools, never use cracked, buckled or wrong polished tools; never use irregular, dull tools; never use distorted blade.
- Never use the tools beyond the speed limit recommended by the producer.
- Always wear gauntlets when handling the tools.
- Mount the tools in the right machining direction.
- Never start the machine before having correctly installed all protections. Without protections or damage caused by person should install and complete in time, or forbid to start machine. Never install protections.
- Connect the dust suction hoods to an adequate suction system; suction must always be activated when the machine is switched on.
- Never open the door or other protections when the machine or the system is operating.
- Before start machine, check if the blade is properly assembled. After starting machine, check if turning direction of blade is right, start to work after revolving speed is stable.
- 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.
- 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.
- When breakdown happens, please switch the machine off and pull up power line, seek help from professional person. If wood material block machine, please backward material.
- Clean offcut, saw dust timely during operation.
- Keep ground around machine clear, no stack flammable and combustible materials.

 **WARNING** Accident caused by unqualified electrical element which connect machine and unconventional installation, manufacturer assumes no responsibility.

 **WARNING** Accident cause by change machine function or change spare part arbitrarily, manufacturer assumes no responsibility.

 **WARNING** Accident caused by operation under missing part or damage condition, manufacturer assumes no responsibility

## 2.2 RESIDUAL RISKS

 **WARNING** 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.

## 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:



Wear hearing protection systems.



Risk of eye injury. Wear eye protection.



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



Carefully read and understand the manual before using the machine.

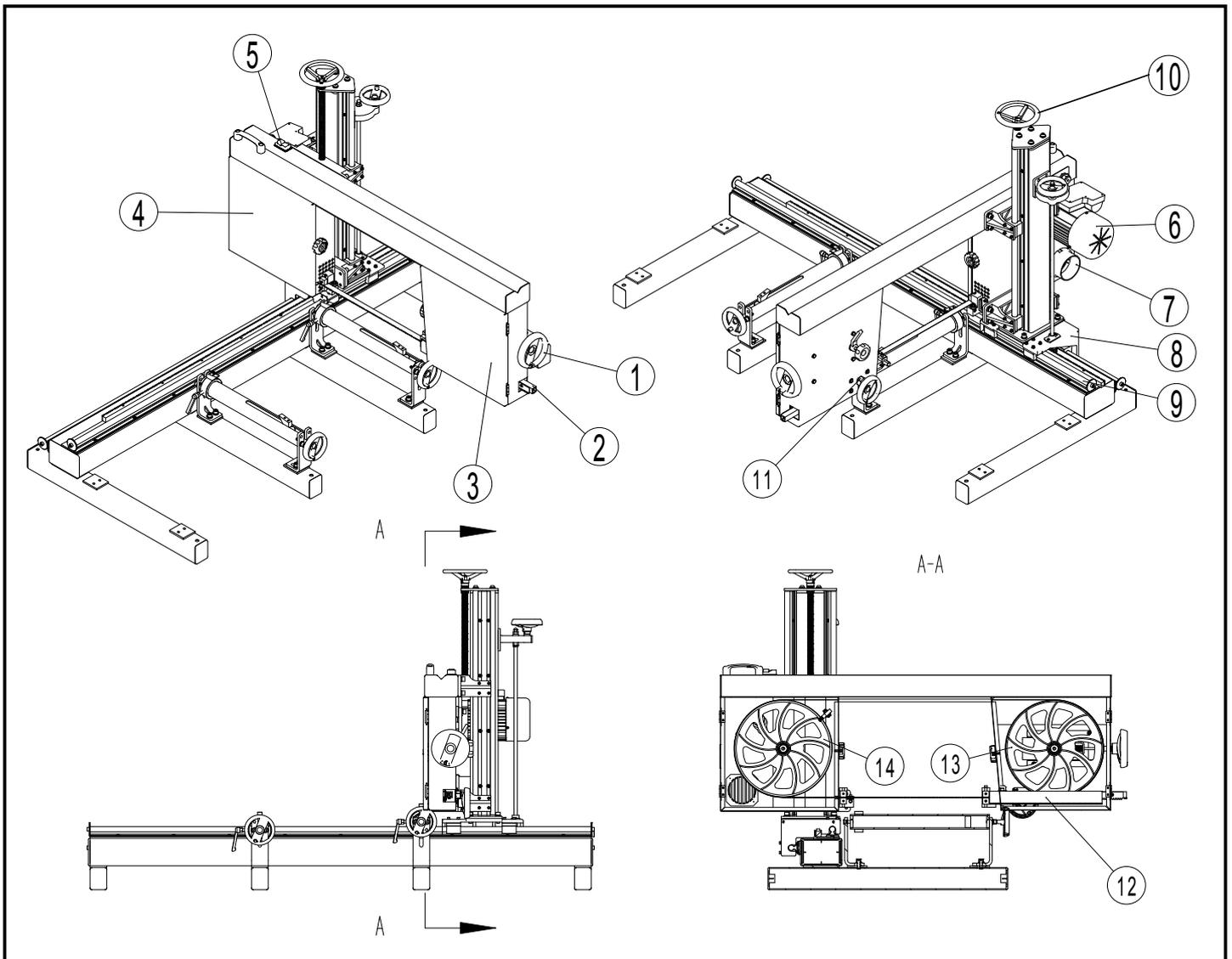
INFORMATION SIGNALS:

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-Guide rod
- 3-Upper door
- 4-Lower door
- 5-Switch
- 6-Motor
- 7-Dust port
- 8-Bracket

- 9-Guide Rail
- 10-Hand wheel
- 11-Lock handle
- 12-Blade guard
- 13-Upper wheel
- 14-Lower wheel

## 3.2 TECHNICAL SPECIFICATION

SPECIFICATION	HB350
Motor voltage	230V/50Hz
Power	2200W
Blade length	3114mm
Blade width	19-26mm
Max Blade Height Movement Distance	300mm
Max Cutting Width (Log Diameter)	400mm
Blade speed	1040m/min
Max cutting length	1500mm
Throat Depth	340mm

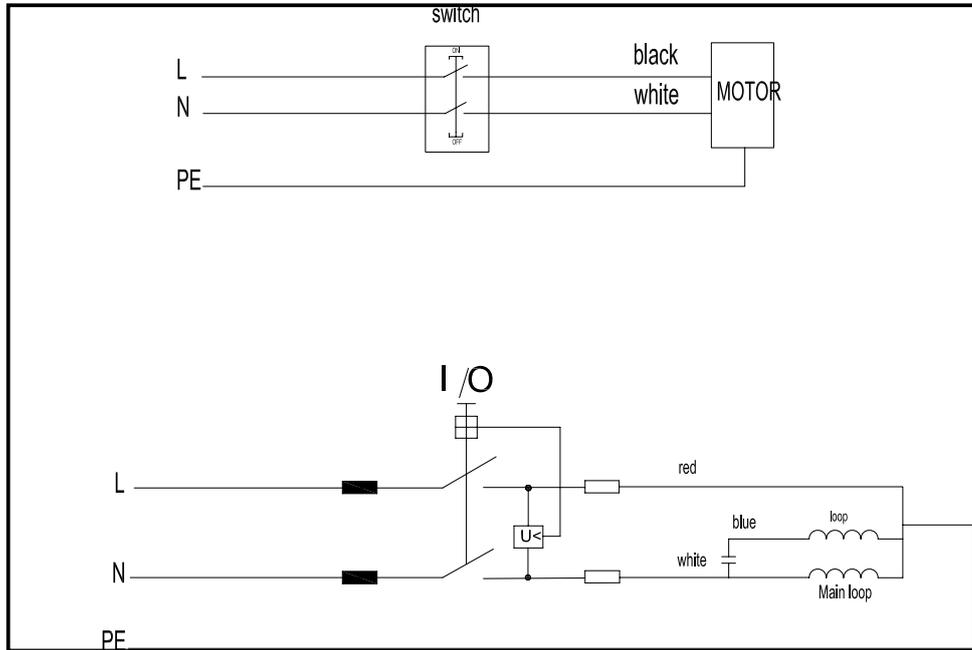
### 3.3 ELECTRICAL CONNECTION

- 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.



### 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 100mm (4").

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

# 4. INSTALLATION AND OPERATION

## 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 close to 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 STAND

Tools required for assembly:

- Socket wrench, Exagon socket wrench.
- Put the long beam B onto short beam A align them mounting holes.
- Install A to the bottom of B using eight hexagon screws 1 and eight washers 2.
- Place the material locking assembly C on top of the short beam and align the mounting hole.
- Mount C onto A (as shown in figure 4.2.1) with eight hexagonal screws 3, eight washers 2 and eight flat washers,
- Be sure to tighten all bolts and nuts.

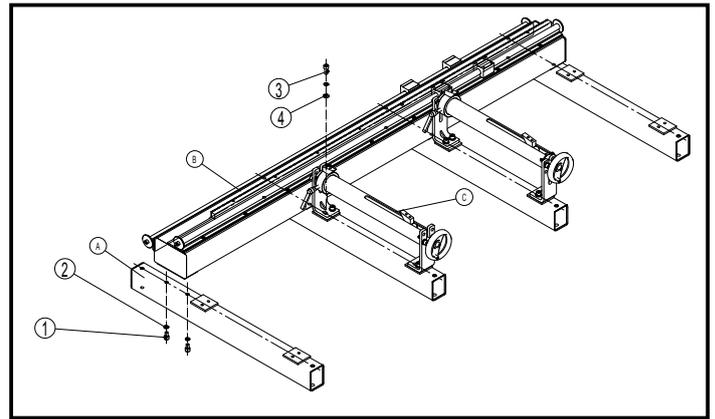


FIG.4.2.1

### 4.2.2 INSTALL VERTICAL SUPPORT

- Place the vertical support B on the vertical support A, and align the four mounting holes.
- Install B onto A with four hexagon screws 1, four washers 2 and four washers 3.
- Insert the gear D into the hole of vertical support A to cooperate with the guide rack, and fix with flange C.
- Fix the flange C on support A with two hexagonal screws 4.
- Be sure to tighten all bolts and nuts.

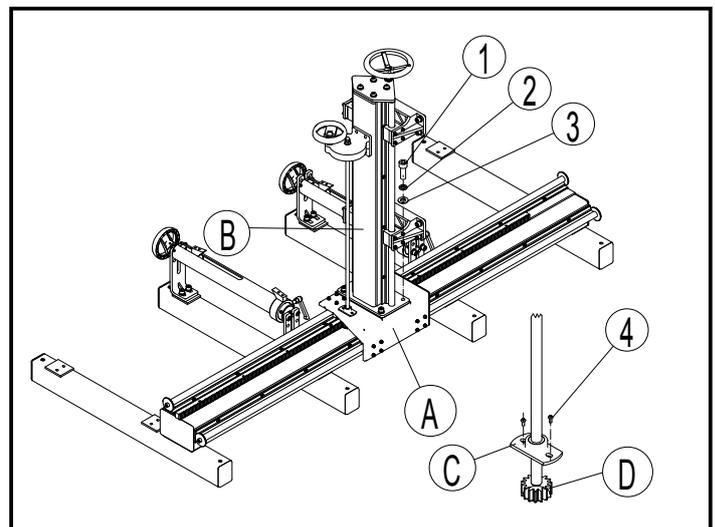


FIG.4.2.2

### 4.2.3 INSTALL THE FRAME

- Match frame A with mounting holes on frame B.
- Connect A to B with eight hexagon screws 1, eight washers 2 and eight washers 3.
- Be sure to tighten all bolts and nuts.

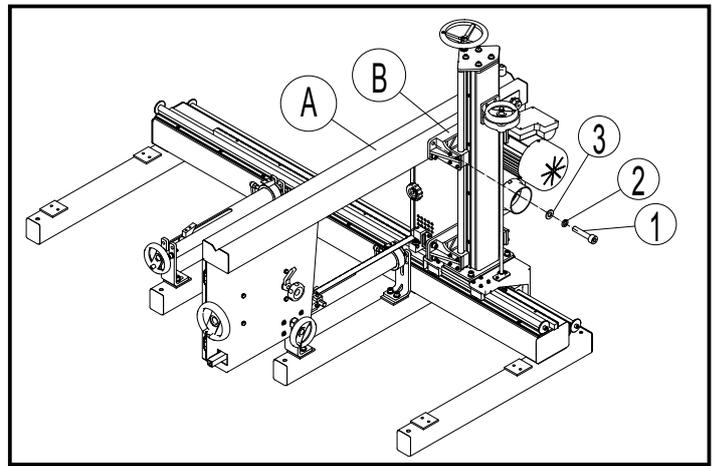


FIG.4.2.3

## 5. MAINTENANCE



### WARNING

Handle the tools with protective gloves.

### 5.1 CHANGING AND SETTING THE BLADE

- This product is manufactured with blade for cutting wood. To change the blade, loosen the lock handle A and remove the blade.
- After change blade, firstly adjust tension handle B, rotate upper wheel and adjust handle C, make the blade in the middle of rubber wheel. Then tighten the handle C.

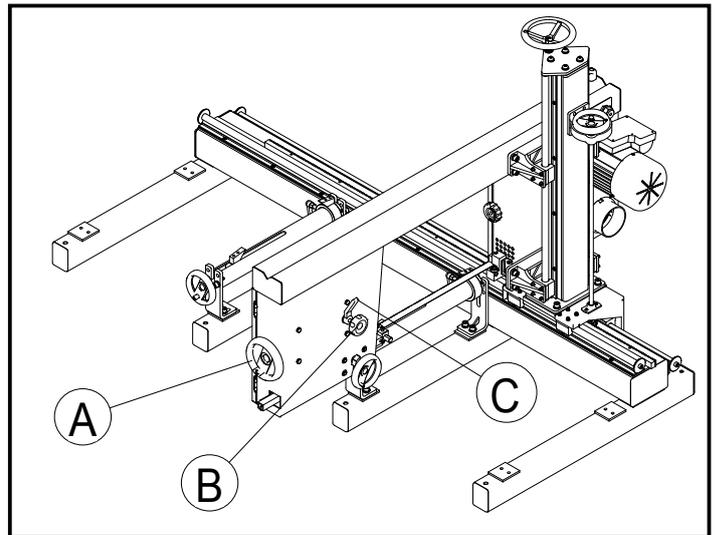


FIG.5.1

### 5.2 BLADE GUIDING

-The blade guide can provide precise guidance for cutting of blade. Before using, try to adjust the bearing on the upper and lower guide to be close to the saw blade. It is best to keep the clearance between the guide to within 0.5mm, but do not directly contact with the saw blade, otherwise the guide bearing will be easily damaged.

- Adjust two upper guide blocks B so that the upper guide blocks will hold the saw blade; Adjust two lower guide blocks A to make the lower guide blocks clamp the saw blade, this will guarantee the deformation of the saw blade in the cutting process.

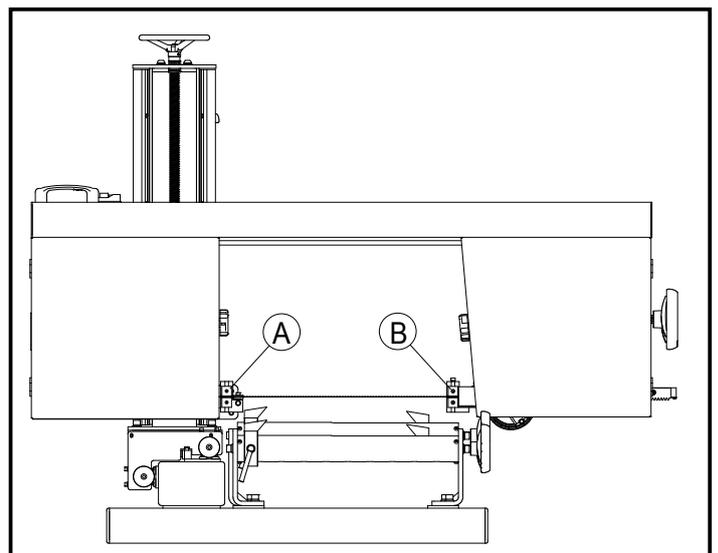


FIG.5.2

### 5.3 FIX FLANGE

- Adjust the installation of fixed flange B so that it is matched with gear connecting rod D without interference. When rotating the handwheel A, vertical support C can slide smoothly on the guide rail, and tighten two hexagon screws on B.

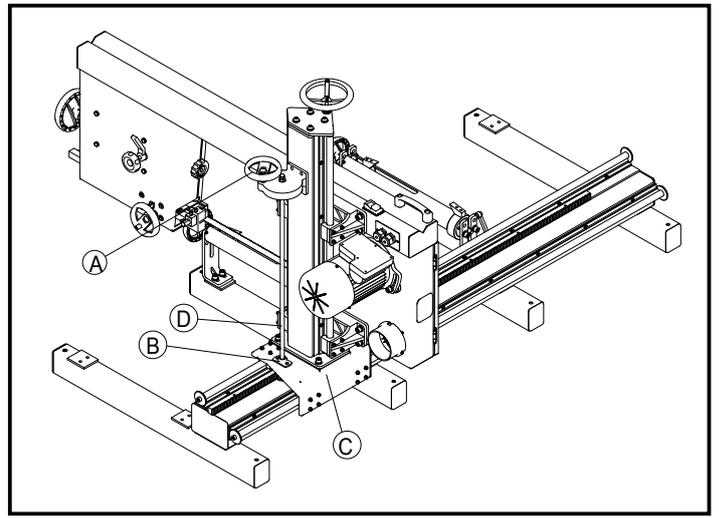


FIG.5.3

### 5.4 SETTING CUTTING WIDTH

- Put the upper guide most closely to the wood. When adjusting, loosen handle A at the back of the upper guide, turn the handwheel B to adjust the upper guide to the wood, then lock the handle A.

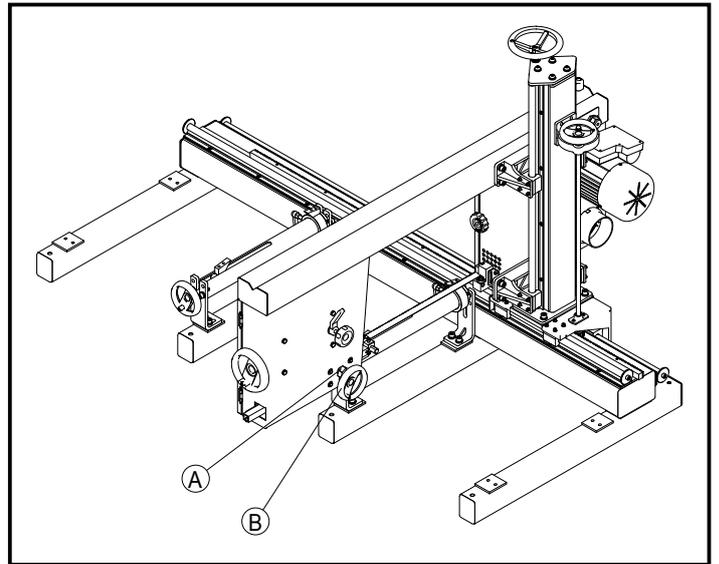


FIG.5.4

# 6. TROUBLE SHOOTING



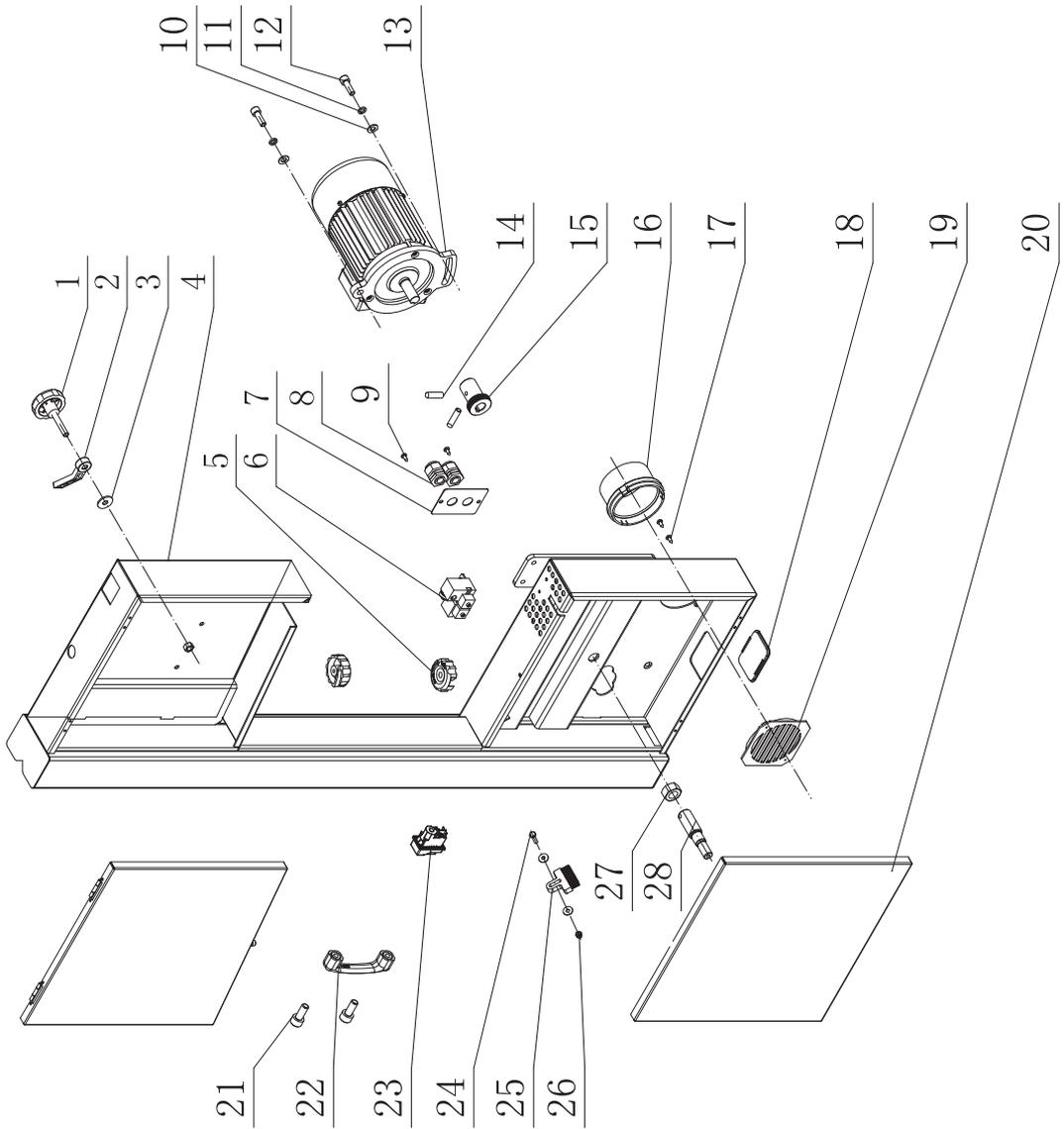
- For any information or problem contact your area dealer or our technical service center. The necessary interventions must be carried out by specialised technical personnel.

- 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.

<b>Trouble</b>	<b>Possible Cause</b>	<b>Solution</b>
Saw stops or will not start	1.Saw unplugged	1.Check plug connections
	2.Fuse blown or circuit breaker tripped	2.Replace fuse or reset circuit breaker
	3.Cord damaged	3.Replace cord
Blade wanders during cut	1.Warped wood	1.Select another piece of wood
	2.Excessive feed rate	2.Reduce feed rate
	3.Incorrect blade for cut	3.Change correct type blade
	4.Blade tension not set properly	4.Set blade tension according to bladesize
	5.Guide bearings not set properly	5.Review guide bearing adjustment
Saw makes unsatisfactory cuts	1.Dull blade	1.Replace blade
	2.Blade mounted wrong	2.Teeth should point down
	3.Gum or pitch on blade	3.Remove blade and clean
	4.Incorrect blade for cut	4.Change correct type blade
	5.Gum or pitch on table	5.Clean table
Blade does not come up to speed	1.Extension cord too light or too long	1.Replace with adequate size andlength cord
	2.Low shop voltage	2.Connect with local electric company
Saw vibrates excessively	1.Base on uneven floor	1.Reposition on flat, level surface
	2.Bad V-belt	2.Replace V-belt
	3.Motor mount is loose	3.Tighten motor mount hardware
	4.Loose hardware	4.Tighten hardware

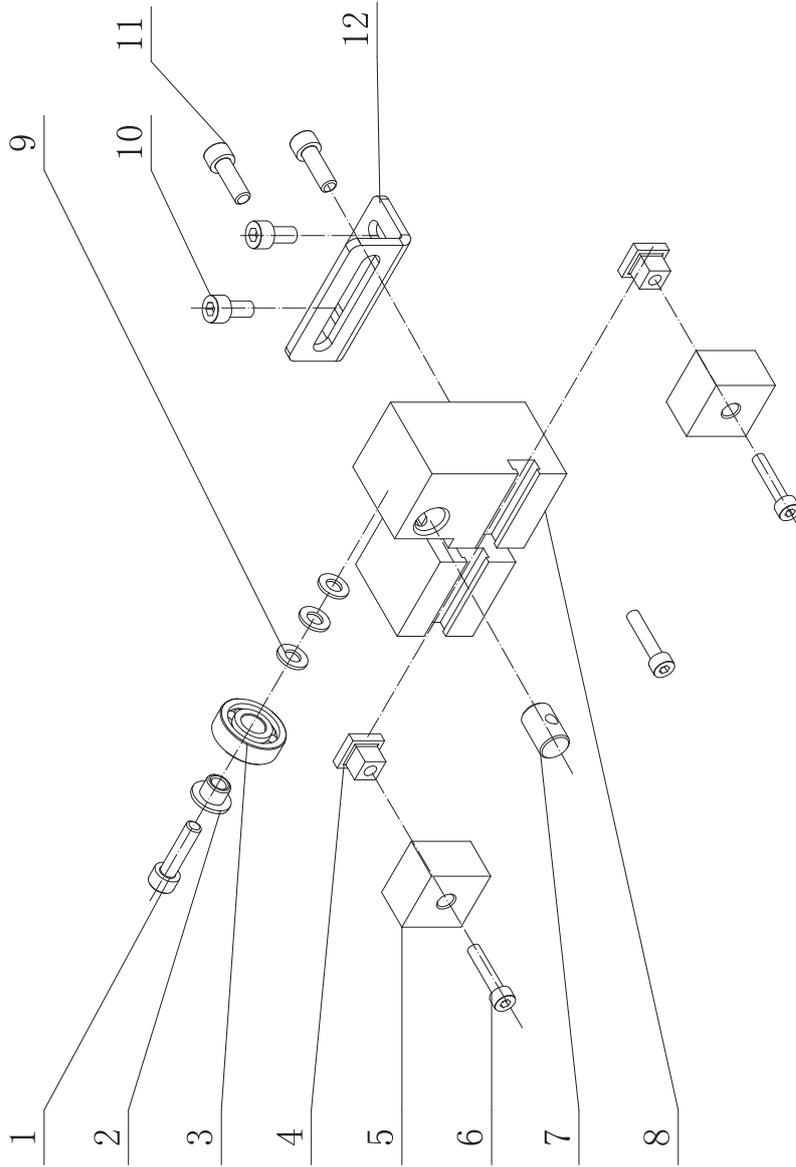
# 7. DIAGRAMS AND COMPONENTS

## 7.1 FRAME COMPONENTS



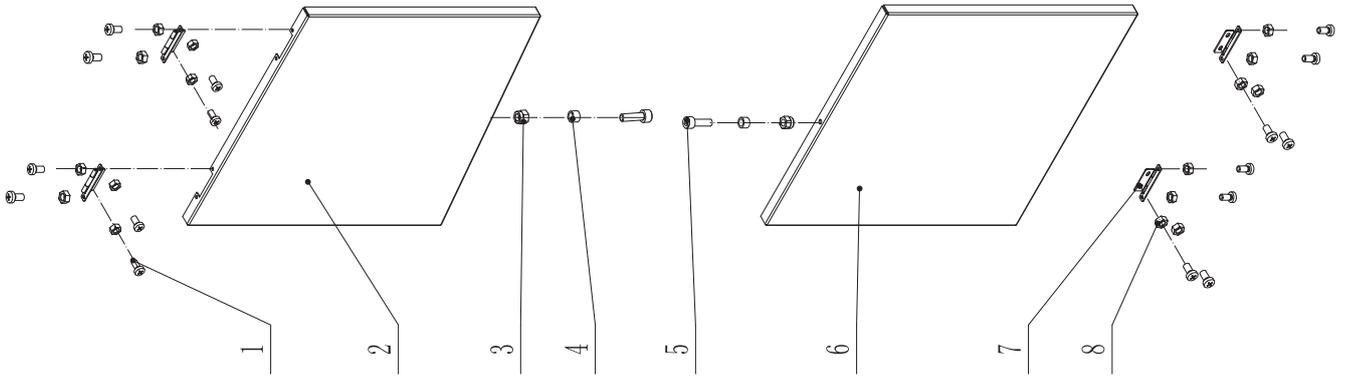
No.	Description	Drawing Number	Qty'
1	Adjustable handle	JL26030015-001S	1
2	Nut handle	JL26030016-001S	1
3	Big washer	WSH6GB96D1Z	3
4	Engine body	JHBS1401011000-040W	1
5	Handle	JL26010006-001S	2
6	Lower guide assy.	JHBS1401010010	1
7	Threading board	JL26010011-040W	1
8	Fixed joint	JL91046100A	2
9	Screw	M5X8GB818Z	2
10	Flat washer	WSH10GB97D1Z	2
11	Spring washer	WSH10GB93Z	2
12	Screw	M10X30GB70D1Z	2
13	Motor	YYH900222A	1
14	Fix screw	M8X8GB80B12D9	2
15	Motor pulley	JHBS1401020002	1
16	Suction port	JL20010007-001S	1
17	Screw	ST3D5X9D5GB845Z	2
18	View window	JXBS1804010004	1
19	Dust port rack	JL20010019-001S	1
20	Door assy.	JHBS1401010100	1
21	Screw	M8X25GB70D1Z	2
22	Handle	JL45030030A-001S	1
23	Electromagnetic switch	KJD17F	1
24	Hexagon bolt	M6X25GB5783Z	1
25	Brush	JL26010003	1
26	Lock nut	M6GB889D1Z	1
27	Nut	JL20020004	1
28	Lower axle	FDBS1401020002	1

# 7.2 LOWER BLADE GUIDE COMPONENTS



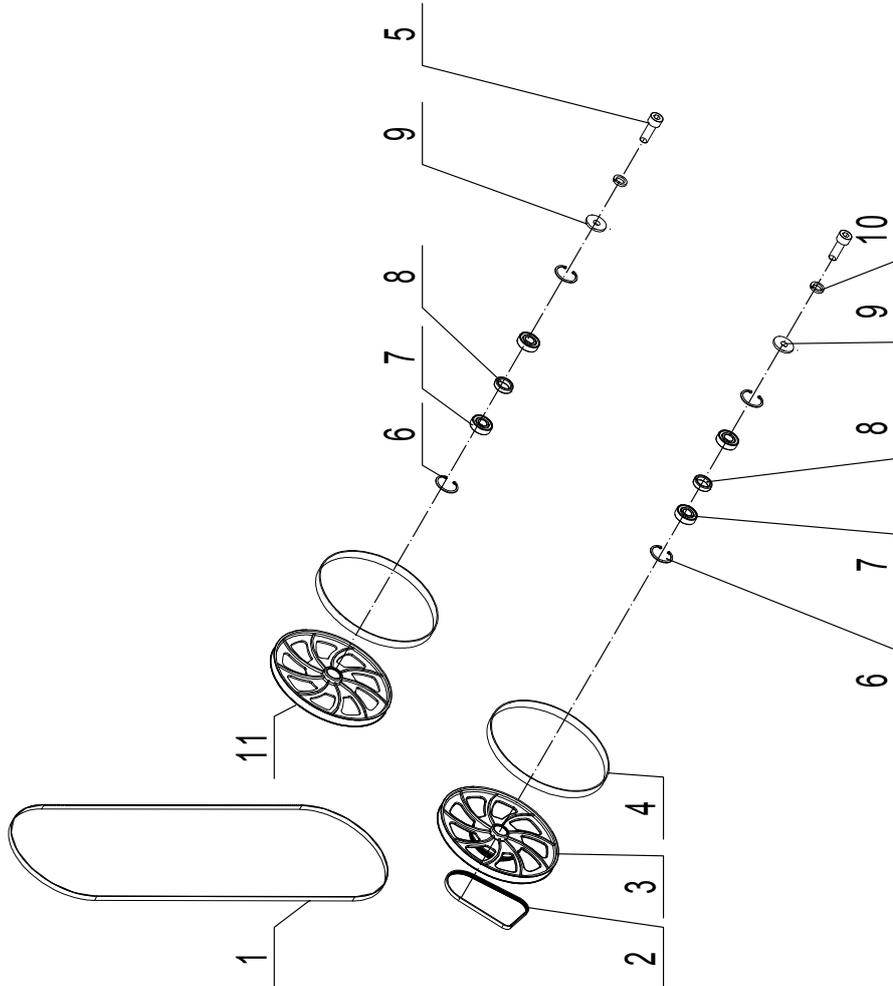
No.	Description	Drawing number	Qty*
1	Screw	M5X20GB70D1Z	1
2	Bearing cover	JL20042002	1
3	Bearing	BRG608-2RSGB276	1
4	Thread block	JHBS1401010013	2
5	Lower guide block	JHBS1401010012	2
6	Screw	M4X20GB70D1B	2
7	Rear adjusting spindle	JL22042004	1
8	Lower guide body	JHBS1401010011	1
9	Flat washer	WSH5GB97D1Z	3
10	Screw	M5X10GB70D1Z	2
11	Screw	M6X10GB70D1Z	2
12	Lower guide connecting plate	JHBS1401010014-040W	1

# 7.3 DOOR COMPONENTS



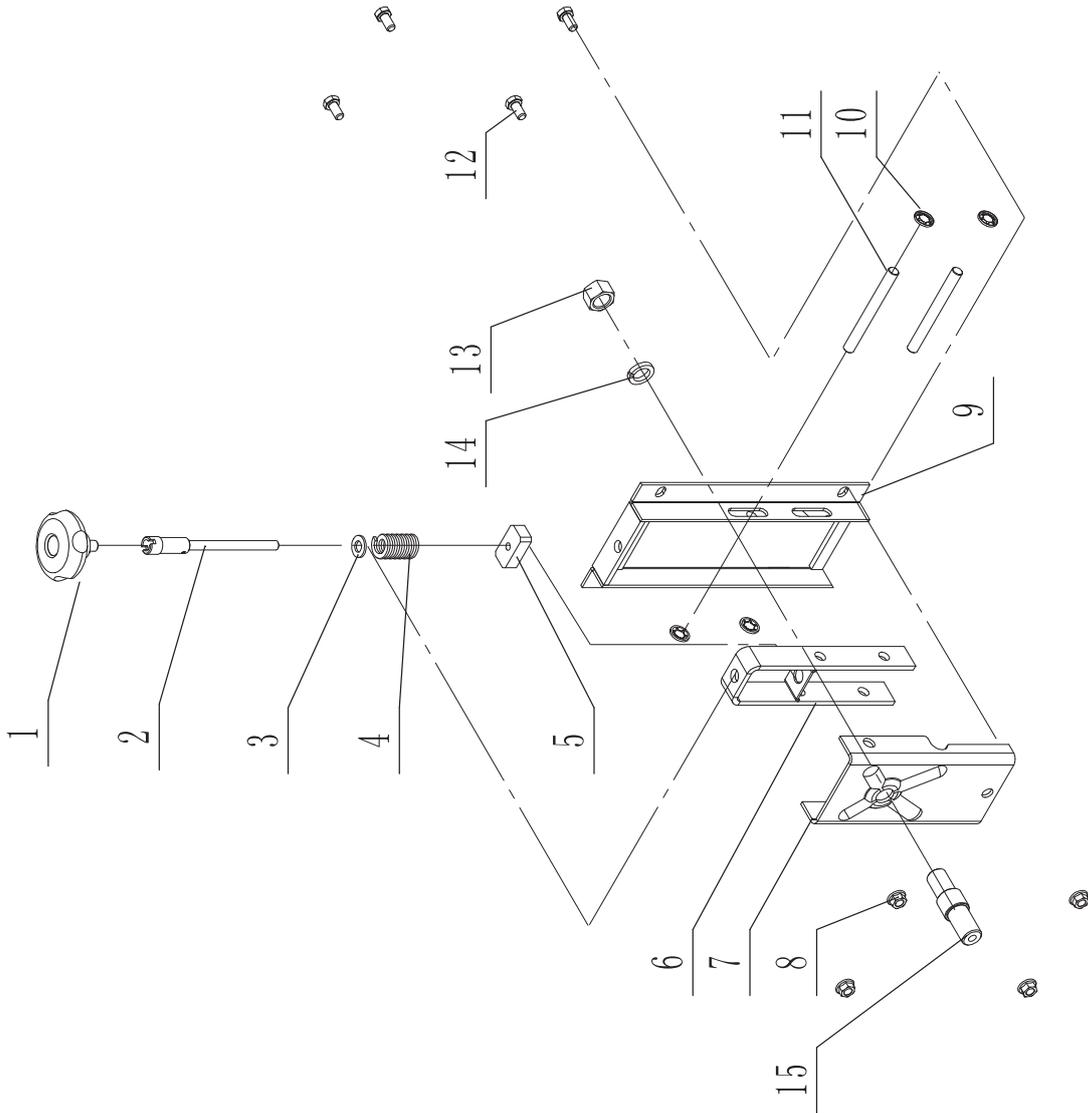
No.	Description	Drawing number	Qty'
1	Screw	M4X8GB823Z	16
2	Upper door	JHBS1401012002-117T	1
3	Nut	M6GB889D1Z	2
4	Cover	JL26010007	2
5	Screw	M6X20GB70D1Z	2
6	Lower door	JHBS1401012001-117T	1
7	Hinge assy.	JMBS1404012300	4
8	Nut	M4GB6170Z	16

# 7.4 WHEEL COMPONENTS



No.	Description	Drawing number	Qty'
1	Blade	JHBS1401020002A	1
2	Poly v-belt	4PJ560GB16588	1
3	Lower wheel	FDBS1401023001	1
4	Rubber wheel	JL21022002B	2
5	Screw	M8X16GB70D1Z	2
6	Spring washer	CLP40GB893D1B	4
7	Bearing	BRG6203-2RSGB276	4
8	Bearing cover	JL28020004	2
9	Big washer	WSH8GB5287Z	2
10	Spring washer	WSH8GB93Z	2
11	Upper wheel	JL21022001A	1

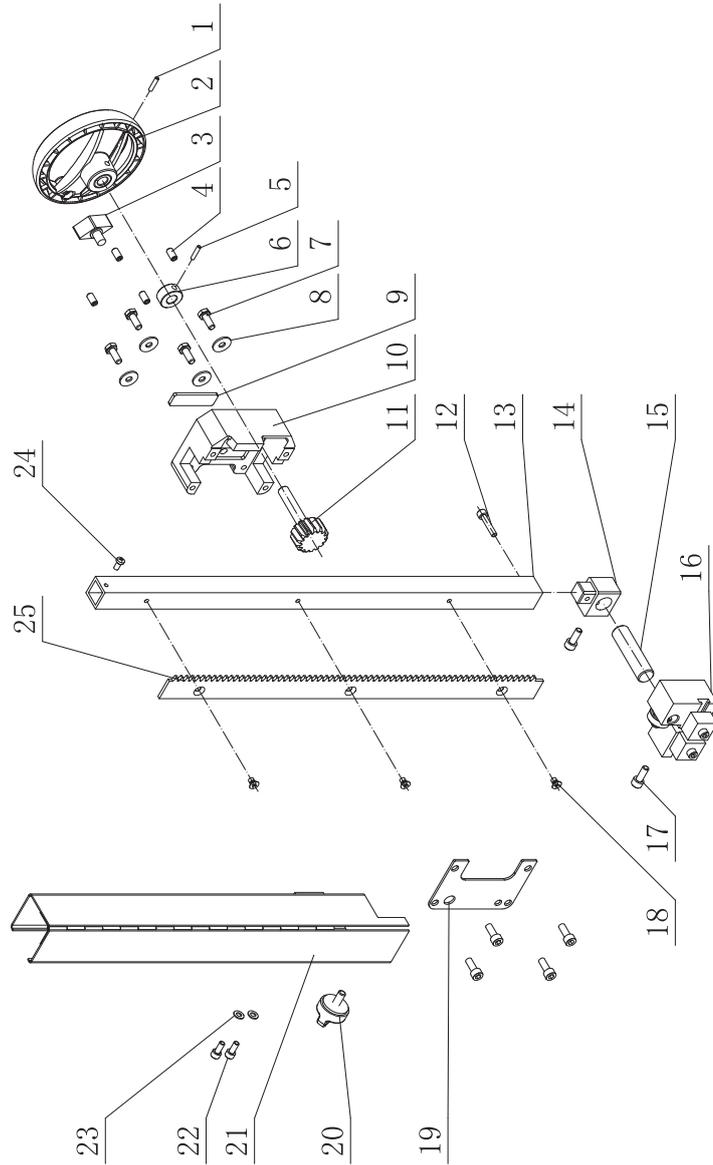
# 7.5 BLADE TENSION COMPONENTS



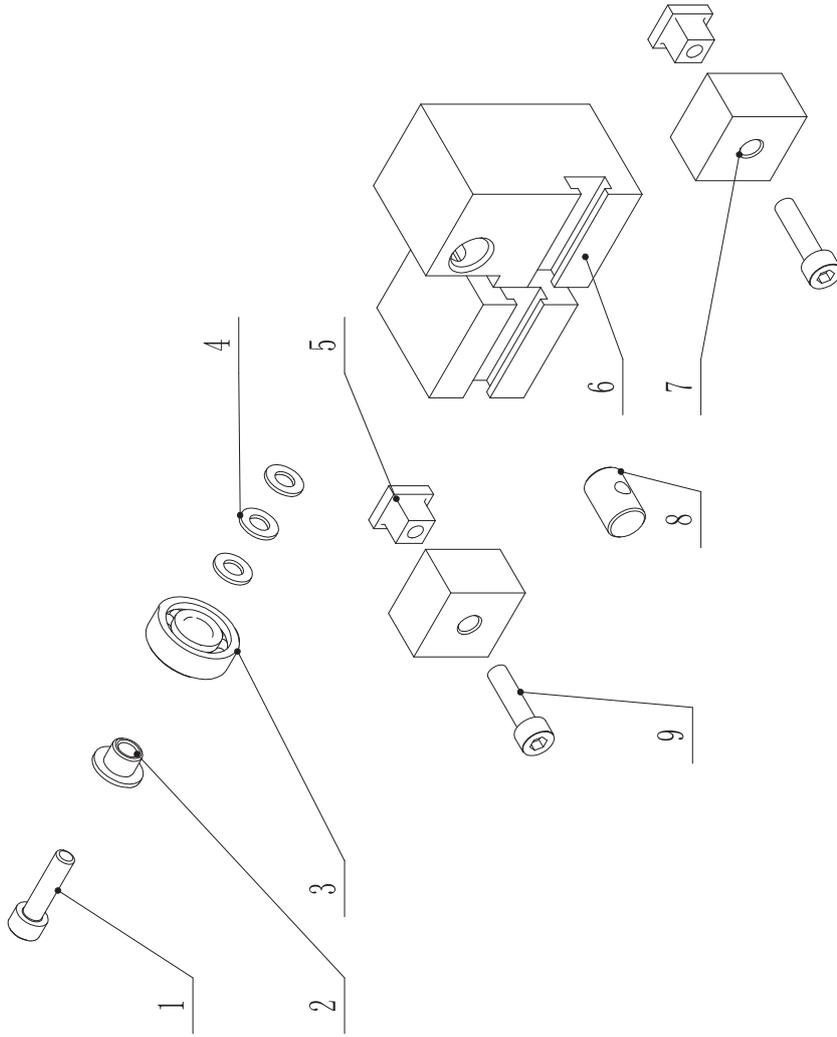
No.	Description	Drawing number	Qty'
1	Tension handle	JMBS1001043001-001S	1
2	Connecting sleeve assy.	JL21021200A	1
3	Flat washer	WSH10GB97D1Z	1
4	Spring	JL21021010A	1
5	Pointer	FDBS1401040002-014T	1
6	Adjusting nut	FDBS1401040001	1
7	Fixture	FDBS1401041001-001Z	1
8	Upper wheel axle base	JL20021005A001Z	1
9	Nut	M8GB6177D1Z	4
10	Tension frame	JL20021100A001Z	1
11	Check ring	JL20021004	4
12	Guide shaft	JL20021002	2
13	Hexagon bolt	M8X16GB5783Z	4
14	Nut	M16GB6171Z	1
15	Spring washer	WSH16GB93Z	1
16	Upper wheel axle	JHBS1401041002	1
17	Screw	ST3D5X9D5GB845Z	2
18	View window	JXBS1804010004	1
19	Dust port rack	JL20010019-001S	1
20	Door assy.	JHBS1401010100	1
21	Screw	M8X25GB70D1Z	2
22	Handle	JL45030030A-001S	1
23	Electromagnetic switch	KJD17F	1
24	Hexagon bolt	M6X25GB5783Z	1
25	Brush	JL26010003	1
26	Lock nut	M6GB889D1Z	1
27	Nut	JL20020004	1
28	Lower wheel axle	FDBS1401020002	1

# 7.6 UPPER BLADE GUIDE COMPONENTS

No.	Description	Part No.	Qty'
1	hexagon socket set screw	M5X10GB80B	1
2	plastic-steel handwheel	SGSL-D100-d10A	1
3	wing handle 1	JL50052007-001S	1
4	hexagon socket set screw	M6X12GB77B	4
5	hexagon set screw	M4X5GB78B12D9	1
6	locking circlip 10	CLP10GB884Z	1
7	hexagon screw	M6X16GB5783B	4
8	big washer A level	WSH6GB96D1B	4
9	base plate	JL26040007	1
10	gear seat	JHBS1401050002	1
11	spiral gear	JHBS1401050001	1
12	hexagon socket cap screw	M5X25GB70D1B12D9	1
13	guide sliding rod	JMBS1401050002	1
14	support rod seat	JMBS1401050001	1
15	upper guide on the trolley	JMBS1401051002	1
16	upper guide components	JHBS1401050100	1
17	hexagon socket cap screw	M6X16GB70D1Z	6
18	cross recessed countersunk head screw	M5X8GB819D1B	3
19	seat cover	JL27040002A	1
20	locking handle	JMBS1403050004-001S	1
21	blade guide components	JHBS1401050200-130T	1
22	hexagon socket cap screw	M5X12GB70D1B	2
23	flat washer A level	WSH5GB97D1B	2
24	cross recess pan head screw	M5X8GB818B	1
25	gear rack	JL28040001A	1

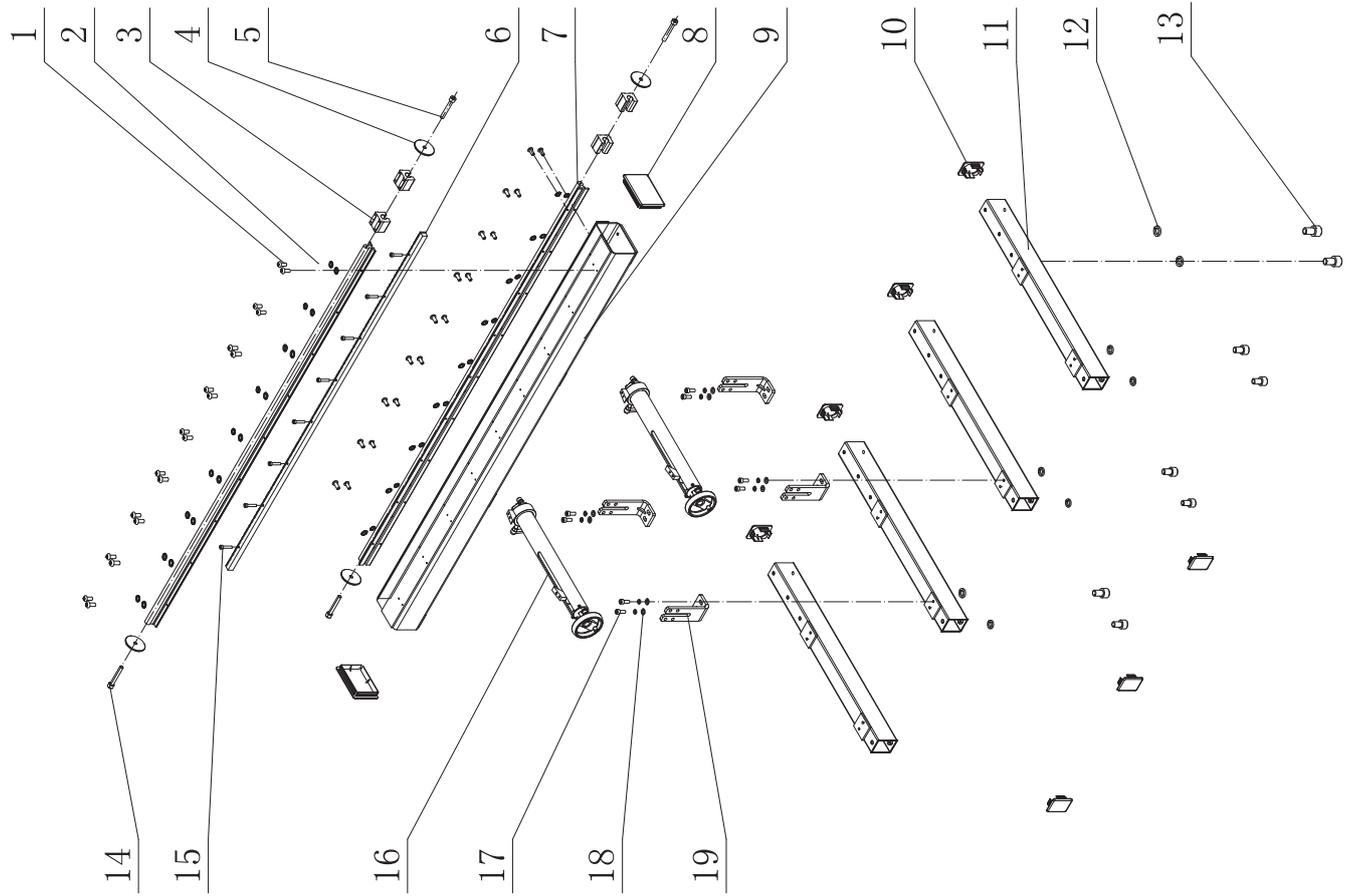


# 7.7 UPPER BLADE GUIDE



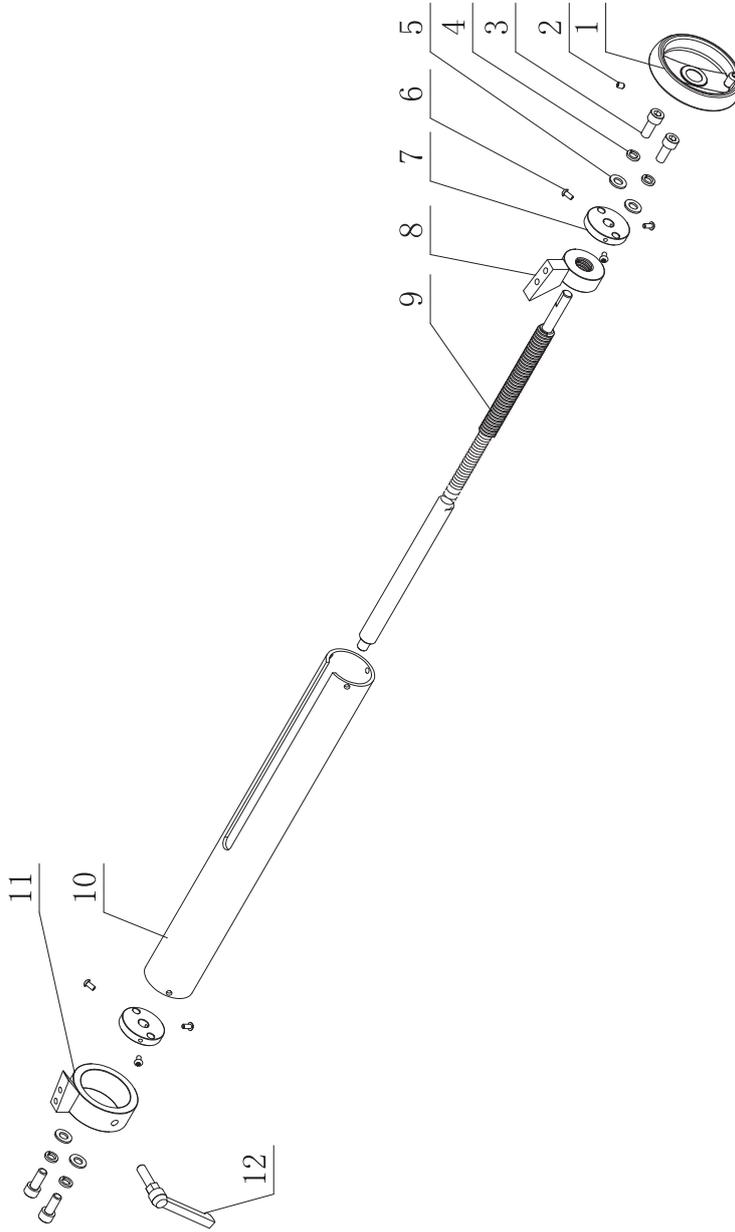
No.	Description	Part No.	Qty
1	hexagon socket cap screw	M5X20GB70D1Z	1
2	bearing sleeve	JL20042002	1
3	bearing	BRG608-2RSGB276	1
4	flat washer A level	WSH5GB97D1Z	3
5	thread block	JHBS1401010013	2
6	upper guide	JHBS1401050021	1
7	lower guide block	JHBS1401010012	2
8	rear adjusting shaft	JL22042004	1
9	hexagon socket cap screw	M5X20GB70D1B	2

# 7.8 STAND COMPONENTS



No.	Description	Part No.	Qty'
1	hexagon socket head screw	M5X12GB70D2B10D9	36
2	locking washer	WSH5GB862D2B	36
3	guide sliding unit	JHBS1401100022	4
4	washer	JL26010017	4
5	hexagon socket cap screw	M8X55GB70D1Z	4
6	guide gear	JHBS1401100025	1
7	round guide rail of base	JHBS1401100021	2
8	end cover (150X100)	JHBS1401100013	2
9	long beam components	JHBS1401101100-040V	1
10	end cover (80X60)	JHBS1401100012	8
11	short beam	JHBS1401100011-040V	4
12	spring washer	WSH10GB93Z	16
13	hexagon socket cap screw	M10X16GB70D1Z	8
14	screw	M8X12GB70D1Z	4
15	hexagon socket cap screw	M5X35GB70D1Z	8
16	lockig components	JHBS1401100120	2
17	hexagon screw	M10X25GB5783Z	8
18	flat washer A level	WSH10GB97D1Z	8
19	material support bracket	JHBS1401100026-040V	4

# 7.9 LOCK COMPONENTS



No.	Description	Part No.	Qty
1	plastic-steel handwheel	SGSL-D100-d12A	1
2	hexagon socket set screw	M6X8GB80B	1
3	hexagon socket cap screw	M10X25GB5783Z	4
4	spring washer	WSH10GB93Z	4
5	flat washer A level	WSH10GB97D1Z	4
6	hexagon socket head screw	M5X10GB70DZZ	6
7	fixing tube	JHBS1401100039	2
8	nut	JHBS1401100035	1
9	locking threaded rod	JHBS1401100036	1
10	support tube	JHBS1401100121	1
11	nut	JHBS1401100035A	1
12	adjustable handle	KTSB-1-B-M10X80X20	1

# 7.10 Support components

No.	Description	Part No.	Qty'
1	hexagon socket set screw	M5X8GB80B	2
2	plastic-steel handwheel	SGSL-D160-d12A	1
3	locking circlip	CLP12GB884B	1
4	hexagon round screw	M10X20GB70D2Z	4
5	spring washer	WSH10GB93Z	16
6	flat washer A level	WSH10GB97D1Z	16
7	fixing plate	JHBS1401100032-040V	1
8	thrust bearing ball	BRG51101GB301	2
9	lifting lead screw	JHBS1401100031	1
10	hexagon round screw	M10X25GB70D1Z	8
11	spring washer	WSH5GB93Z	32
12	plastic-steel handwheel	SGSL-D100-d10A	1
13	combined cap nut	M10GB802Z	1
14	1 type hexagon nut	M10GB6170Z	1
15	locking circlip 10	CLP10GB884B	1
16	JDB shaft sleeve	JHBS1401100041	2
17	gear cover	JHBS1401100204	1
18	small guiding gear	JHBS1401100024	1
19	big guiding gear	JHBS1401100023	1
20	hexagon locking nut	M12GB889D1B	1
21	gear connecting rod	JHBS1401100027	1
22	JDB shaft sleeve	JHBS1401100042	1
23	fixing flange	JHBS1401100043	1
24	small guiding gear	JHBS1401100024A	1
25	hexagon pan head screw	M4X8GB818Z	1
26	hexagon setting screw	M4X5GB80B	2
27	guiding sliding unit	JHBS1401100022	4
28	connecting support of frame	JHBS1401100203-001G	2
29	hexagon round screw	M5X25GB70D1Z	32
30	hexagon flat head screw	M5X12GB70D2Z	20
31	outside locking washer	WSH5GB862D2Z	16
32	hexagon round screw	M10X30GB70D1Z	4
33	vertical support	JHBS1401100202-040V	1
34	dust guard	JHBS1401100205-040V	1
35	vertical support seat	JHBS1401100201-001G	1
36	flat washer A level	WSH5GB97D1Z	33
37	vertical round guide	JHBS1401100211	2

