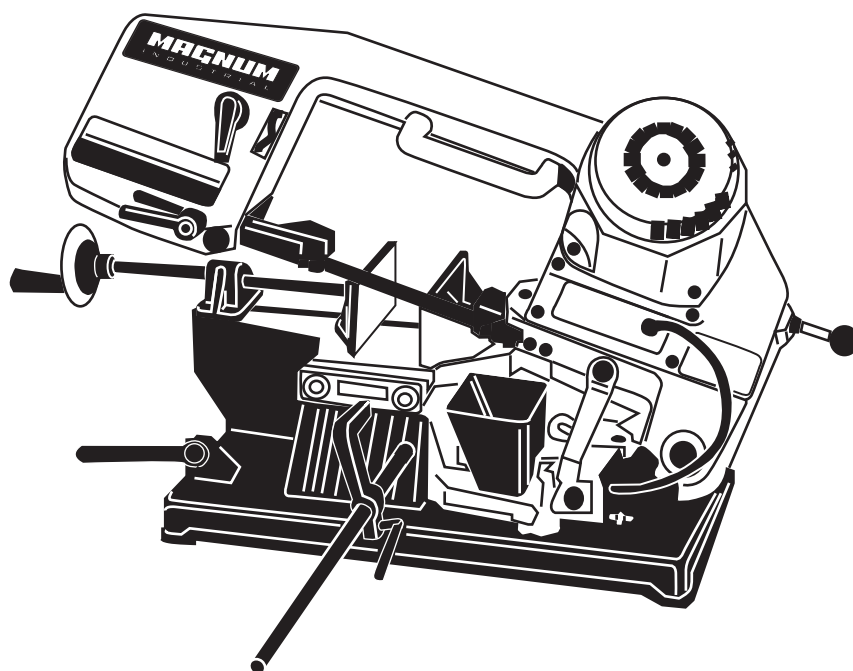


MAGNUM

INDUSTRIAL

MODEL NO.: MI-93050



SPECIFICATIONS

Cutting Capacity (HxW)	90° • 4" (100 mm)	■ 4" x 6" (100 x 150 mm)
	45° • 3.25" (85 mm)	■ 3-1/4" x 4" (85 x 100 mm)
Blade Speed	177 feet per minute (FPM)	
Blade Size	58" x 0.5" x 0.025" 14 teeth per inch (TPI)	

Specifications

Capacity:

Round	4"
Rectangle	4" x 6"
Throat Depth.....	4"
Vertical Worktable.....	6-1/4" x 15-3/4"
Vise Tilts	45°
Blade Speed	60Hz 177FPM
Motor	1/2HP 60Hz 1720RPM 4POLE
Net Weight (approx.).....	50 lbs
Packing.....	28.5" x 15" x 18"

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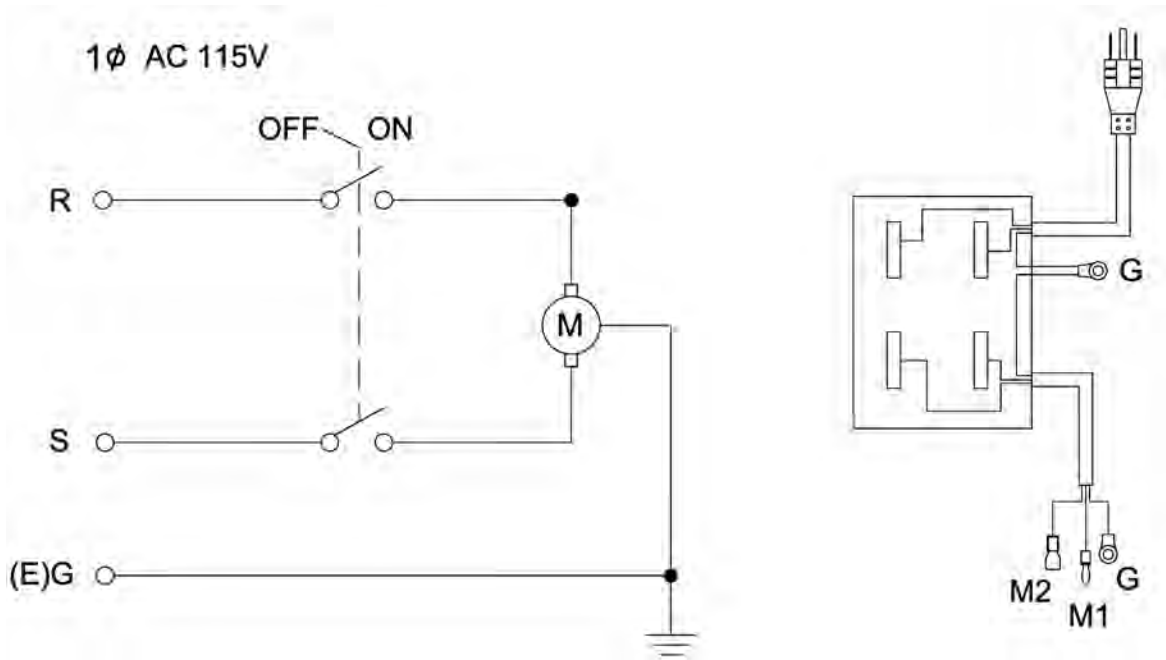
1. General Safety Rules



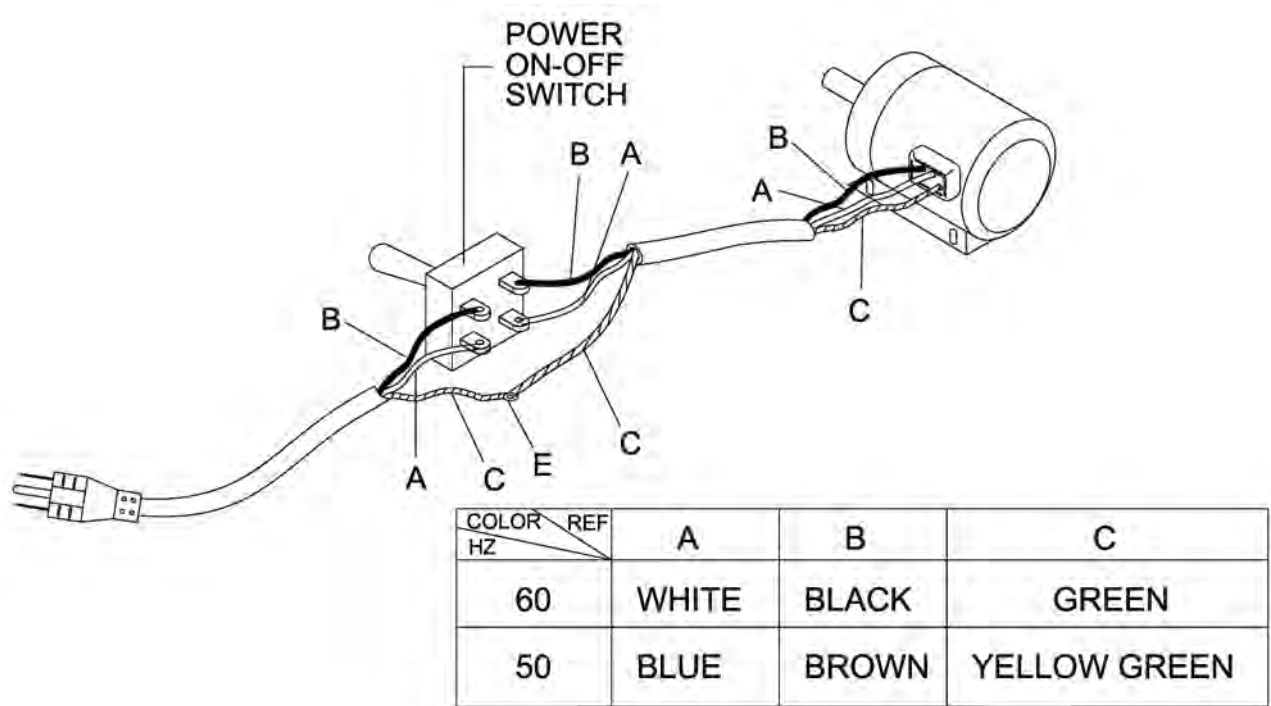
WARNING

1. Read and understand instructions of this manual entirely before operating the machine.
2. Always wear approved safety glasses /face shields when using the machine.
3. Make certain the machine is properly grounded.
4. Before machine in operation, remove tie, ring, watch, other jewelry, and roll your sleeves up to above elbows. Remove loose clothing and confine long hair.
5. Keep the floor around this machine clean and free of scrap material, oil and grease.
6. Keep machine guards in place at all times when the machine is in use. If it is removed for maintenance purposes, pay extra attention and replace these guards at once.
7. Do not over reach. Keep a balanced stance all the time so that you don't fall lean against blade or some other moving parts.
8. Whenever make any adjustments or maintenance with the machine must be unplugged from the power source.
9. Use the right tool. Don't force a tool or attachment to do a job that it was not designed for.
10. Replace warning labels if they have become obscured or removed.
11. Make certain the motor switch is in "off" position while connecting the machine into the power supply.
12. Pay your work undivided attention. Looking around, and carrying on a conversation, or "Horse-play" are careless acts which might result in serious injury.
13. Keep visitors a safe distance from the work area.
14. Use recommended accessories, and parts. Improvised accessories may be hazardous.
15. From the good habit of checking to see keys and wrenches are removed before turning on this machine.
16. Always keep hands & fingers away from the blade when this machine is running.
17. Never hold a material with this saw in the horizontal position. Please be sure always use the vise to clamp it securely.
18. Read and understand warnings that are posted on the machine.
19. Always provide necessary support for long and heavy material.
20. Use a sharp blade and always keep machine clean for a best and safest performance.
21. Failure to comply with any of these warnings may cause serious injury.

Electrical Schematic



Wiring Diagram
Toggle Switch Single Phase





BEFORE CUTTING

Unhook the lock chain (A) in Fig.1 to release this saw. After service, must replace the chain, and hook it properly for your safety and carry. Failure to comply with the warning could result in personal injury and machine damage.

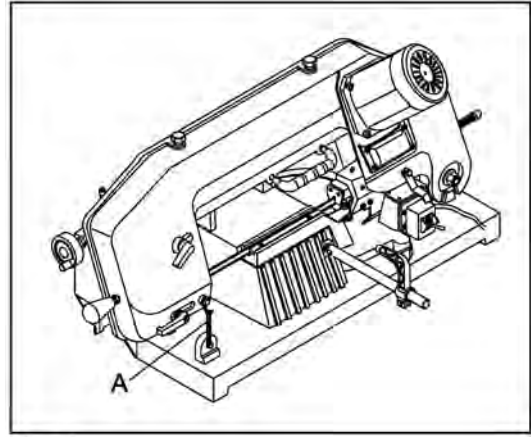


Fig. 1

2. The Quick Vise and Work Set Up

Usage of the Quick Vise

Newly designed and improved “Quick Action” vise is mounted on the machine. Three pieces of devices & one handle simply solve all the troubles you have met in the past. Follow the easy steps as below. You’ll thank for the design. We made for your convenience.

1. Lift up the handle (A) in Fig. 2 then you can move the vise forward and backward with ease by holding the wheel (B) at the left end of base.
2. Push the visejaw (C) toward the work, make it as close as possible against the other visejaw which is fixed.
3. Replace handle by pressing it down.
4. Turn the wheel (B) clock-wise to make sure the work is well located. During operation, you shall find it more convenient & more powerful to fulfill the clamp job than any of traditional ones could offer.

CAUTION !

**NEVER OPERATE SAW WITHOUT
BLADE GUARDS IN PLACE.**

Work Set Up

1. Raise saw head to vertical position.
2. Open vise to accept the piece to be cut by pulling the wheel at the end of the base.
3. Place work piece on saw bed if the piece is long, support the end.

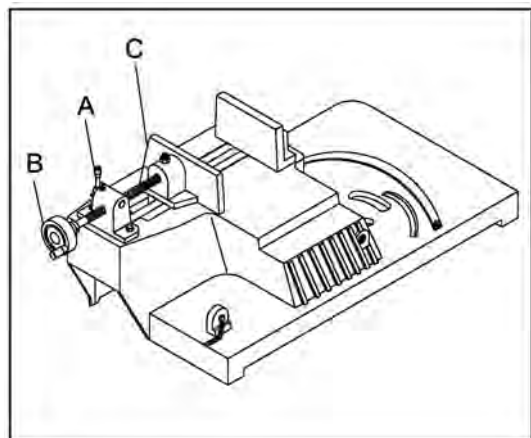


Fig. 2

3. Special Safety Rules for Metal Saw



WARNING: For your own safety, do not operate your metal saw until it is completely assembled and installed according to the instructions...and until you have read and understood the following.

Before Using the Saw

1. Assembly and alignment.
2. Learn the function and proper use of:
 - A. The on-off switch.
 - B. The upper and lower blade guards.
 - C. The arbors lock and handle latch.
 - D. The bevel clamp, fence clamps, and metal lock handle.
3. Read and understand all safety instructions and operating procedures throughout the manual.
4. Read the warning labels on the metal saw.

Before Each Use

1. Inspect your saw. If any part of this metal saw is missing, or bent, or has failed in any way, or any electrical parts do not work properly, turn the saw off and unplug the saw. Replace damaged, missing, or failed parts before using the saw again.
2. Plan your work to protect your eyes, hands, face and ears.
 - A. Wear safety goggles (not glasses) that comply with DIN 58214 (show on package). Using any power tool can result in foreign objects being thrown into the eyes, which can result in permanent eye damage. Goggles are

available at stores. Use of glasses or use of goggles not in compliance with DIN 58214 could result in severe injury from breakage of the eye protection.

- B. For dusty operations, wear a face shield along with safety goggles.
- C. To avoid injury from jams, slips or thrown piece:
 - It is important to choose the right blade for the material and the type of cutting you plan to do. This saw is equipped with a bi-metallic blade which can be used to cut stainless steel, steel, iron, brass, aluminum, wood, plastic and so on.
 - Make sure the direction of rotation arrow on the blade matches the direction arrow on the saw. The blade teeth should always point downward at the front of the saw.
 - Make sure the blade is sharp, undamaged and properly aligned. With the saw unplugged, push the power-head all the way down. Head spin the blade and check for clearance. Tilt the power-head to 45 degree level and repeat the check. If the blade hits anything, make the adjustments shown in the Maintaining Maximum Cutting Capacity section.
 - Make sure the blade and arbor collars are clean.
 - Make sure all clamps and locks are tight and there is no excessive play in any parts.

- Never cut freehand:
 - a. Brace your workpiece solidly against the fence and table top so it will not rock or twist during the cut. Make sure no debris is caught beneath the workpiece.
 - b. Make sure no gaps between the workpiece, fence and table will let the workpiece shift after it is cut in two.
 - c. Use jigs, fixture or a different tool for unstable workpieces.
 - Never cut more than one workpiece at a time.
 - Make sure the cut-off piece can move sideways after it is cut off. Otherwise, it could get wedged against the blade and thrown violently.
 - Make sure bystanders are clear of the tool and workpiece. Keep them clear of the area behind the saw where debris will be thrown.
 - Never turn your metal saw "ON" before clearing everything except the workpiece and related support devices off the table.
- D. To avoid risk of hearing damage, wear ear plugs or muffs during extended period of operation.
- E. To avoid being suddenly pulled into the blade:
- Do not wear gloves.
 - Remove all jewelry and loose clothing.
 - Tie back long hair.
 - Roll long sleeves above the elbow.
- F. To avoid injury from accidental starting, always unplug saw before disconnecting the guard, installing or removing any blade, accessory or attachment, or making any adjustment.

- G. To avoid an electrical shock, make sure your fingers do not touch the metal prongs on the plug when inserting or removing the plug to or from a live outlet.
- H. Never put lubricants on the blade while it is spinning.
- I. To avoid burns or other fire damage, never use the saw near flammable liquids, vapors or gases.
- J. To avoid injury from unsafe accessories use only accessories shown on the recommended accessories list in this manual.

Whenever Saw is Running



WARNING: Do not allow familiarity (gained from frequent use of your metal saw) to cause a careless mistake. Always remember that a careless fraction of a second is enough to cause a severe injury.

1. Before actually cutting with the saw, let it run for a while. If your saw makes an unfamiliar noise or if it vibrates excessively, stop immediately. Turn the saw off. Unplug the saw. Do not restart until finding and correcting the problem.
2. Never confine the piece being cut out. Never hold it, clamp it, touch it, or use length stops against it. It must be free to move sideways. If confined, it could get wedged against the blade and thrown violently.
3. Avoid awkward hand positions where a sudden slip could cause a hand to move into the blade.
4. Let the blade reach full speed before cutting.
5. Feed the saw into the workpiece only fast enough to let the blade cut without bogging down or binding.

6. Before freeing jammed material, turn the switch off and unplug the saw. Wait for all moving parts to stop.
7. After finishing a cut, keep holding the power head down, release the switch, and wait for all moving parts to stop before moving your hands.



WARNING: Read the following warning labels found on the front of the saw.



DANGER

- Keep hands out of sawblade path.
- Never cut anything freehand.
- Never reach behind or beneath blade.
- To avoid electric shock, do not expose to rain.



DANGER

- Tighten arbor screw and all clamps before turning power on.

4. Power Supply

Motor Specifications

The AC motor used in this saw is a conduction, nonreversible type having the following specifications:

Maximum capacity (KW)	0.375
Voltage (V)	120
Amperes (A)	8
Frequency (Hz)	60
Motor speed (RPM) Saw	1720
Blade speed (fpm)	177
Saw blade shaft direction of rotation	right-hand
Weight (kg)	4.8



WARNING: To avoid electrical hazards, fire hazard, or damage to the tool, use proper circuit protection. Your saw is wired at the factory for 120V operation. Connect to a 120V, 8-amp, branch circuit and use a 8-amp time delay fuse or circuit breaker. To avoid shock or fire, if power cord is worn or cut, or damaged in any way, have it replaced immediately.

Noise information according to DIN 45635

No load under 60 dB

Working 60-65 dB

Ground

This metal saw is single insulated tool, so the ground system is provided to protect you from being shocked. The appropriate ground system is set up as soon as this machine is plugged into the proper power supply system. Therefore, the standard power supply system shall be provided for this machine in order to protect you from the risk of shock.



DANGER: To avoid electric shock

1. Do not change the power cord and plug to another specification not provided by the manufacturer.
2. Do not use in rain or where floor is wet. This tool is intended for indoor residential use only.

Motor Safety Protection



CAUTION: To avoid motor damage, this motor should be blown out or vacuumed frequently to keep sawdust from interfering with normal motor ventilation.

1. Connect this tool to a 120V, 8A branch circuit with a 8A time delay fuse or circuit breaker. Using the wrong size fuse can damage the motor.
2. If the motor does not start, turn off the toggle switch immediately. UNPLUG THE TOOL. Check the saw blade to make sure it turns freely. If the blade is free, try to start the motor again.
3. If the motor suddenly stalls while cutting steel, turn the toggle switch off, unplug the tool, and free the blade from the steel. Then you may restart the motor and finish the cut.

4. Fuses may “blow” or circuit breakers may trip frequently if:
 - a. Motor is overloaded-overloading can occur if you feed too rapidly or make too many start/stops in a short time.
 - b. Voltage not more than 10% above or below the nameplate voltage can handle normal loads. For heavy loads, however, the voltage (caused by a small size wire in the supply circuit or an overly long supply circuit wire) may drop too low for the motor to operate. Always check the connections, the load and the supply circuit whenever motor does not work well. Check wire sizes and length with the Wire Size Chart below.
5. Most motor troubles may be trace to loose or incorrect connections, overload, low voltage (such as small size wire in the supply circuit) or to overly long supply circuit wire. Always check the connections, the load and the supply circuit whenever motor doesn't work well. Check wire size and length with the Wire Size Chart below.

Wire Sizes

The use of any extension cable will cause some loss of power. To keep this to a minimum and to prevent overheating and motor burn-out, use the table below to determine the minimum wire size (lead cross-section) of an extension cable. For circuits that are more than 130' away from the electrical service box, the wire size must be increased proportionately in order to deliver ample voltage to the saw motor.

Length of Cord	Minimum AWG Rating
• up to 50'	• 16 gauge
• 50' to 130'	• 14 gauge

5. Unpacking and Checking Contents

The Metal Saw is shipped complete in one carton. Separate all parts from packing material and check each item with illustration and “Table of Loose Part” Make certain all items are accounted for, before discarding any packing material.



WARNING: If any parts are missing, do not try to assemble the metal saw, plug in the power cable or turn the switch on until the missing parts are obtained and installed correctly.

Tools Needed for Assembly

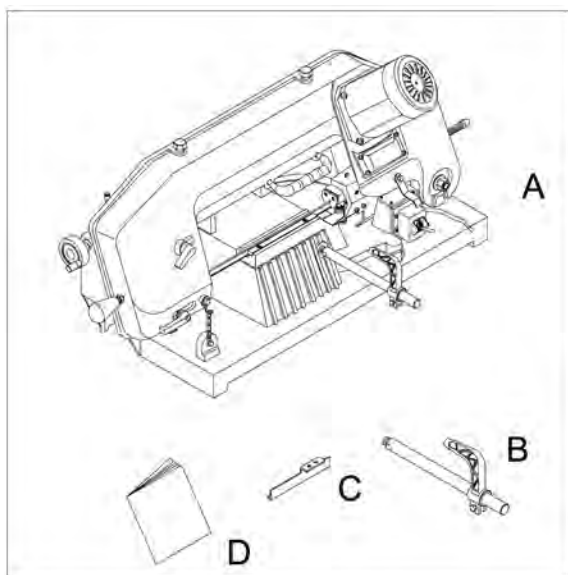
Note: The shown tools are not standard deliver with this saw.



Medium Screwdriver



13mm Hex. Soc. “L” Wrench



ITEM	TABLE OF LOOSE PARTS	Q'TY
A	Base Saw Assembly	1
B	Stop Rod Assembly	1
C	Blade Guard	1
D	Instruction Manual	1

6. Description and Characteristics

1. This 4" portable band saw is made as light as 23 kgs by weight & equipped with an easy carrying handle for your fitness to transport to any worksites.
2. The body of this machine is formed with Aluminum Die Casting such that body construction of it becomes sturdier and appearance smoother and more acceptable.
3. During operation, the noise level of this machine is about 60 db which is much less than any of the other band saws, and of course, it can present a comfortable working environment.
4. This machine is made ready for the blade tension adjustment by holding the handle to give a little turn for the tension increasing, or decreasing as you wish during the period of blade replacement or machine in operation. Also attached with the handle, there are a couple of compression springs set up for reducing vibration that is from a defective workpiece popping while machine is running. It permits the blade to be used much longer.
5. The drive of this machine is through gear transmission that gives steadier, stronger, and smoother cuts superior to any of pulley drive band-saws, and make less trouble after service. Note: If anything unusual happens on your gear transmission system, do not try to fix or restore it personally. Send it back to your dealer for check-up or repairing. Failure to comply can result in machine damage.
6. The machine combines miter, vertical and horizontal cutting and is designed for full efficiency and operator convenience in each position.
7. An auto shutoff assures the complete cut work, thus permitting unattended operation.



WARNING

SHUT OFF THE POWER SOURCE ALL THE TIME, BEFORE THIS MACHINE IS IN MAINTENANCE, OPERATION, ADJUSTMENT, OR REPAIRMENT.



WARNING

Disconnect machine from the power source !

No matter when, where, or how. Pay extra attention to the saw during it in transportation, operation, maintenance, or adjustment.

Failure to comply may cause serious injury !

7. Operating

Information Before Operation

Be sure the blade isn't in contact with the work when the motor is started.

Run the motor, allow the saw to come to full speed. Begin the cut by letting the head down slowly onto the work.

DO NOT DROP OR FORCE. Let the weight of the saw provide the cutting force. The saw shuts off at the end of the cut automatically.

Rate of Feed

The rate of feed is preset (On Mark H) at the factory for solid metal material cutting.

To decrease feed, proceed as follows:

1. Release the lock-pin by pulling up the Knob (A) in Fig.3 a little bit.
2. Turn the wheel (B) toward the Knob and stop on the Mark M, let the lock pin slide in the slot. The rate of feed is for thick metal pipes cutting.
3. Turn the wheel and stop on the Mark L and lock it on the position, the rate of feed is for thin metal pipes cutting.

Angle Cutting

The machine uses a swivel miter base for angle cutting from 0~45 degree. On the swing arm, there is a pointer (A) in Fig.4 attached. This machine is preset zero degree before leaving the factory. Angle cutting is adjusted as follows.

1. Loosen bolt (B) to release the arm.
2. Move this swivel arm forward along the scale to search a right index for the work to be cut.
3. If the pointer matches the right index on the scale. Tighten the bolt, and a perfect angle cut will be given.

Blade Direction of Travel

Be sure this blade is assembled to the wheels so that the vertical edge can engage the work piece first.

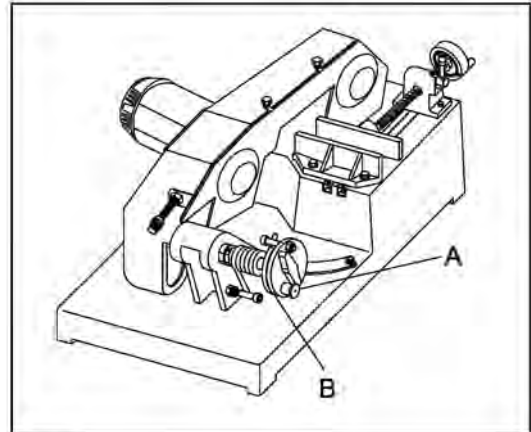


Fig.3

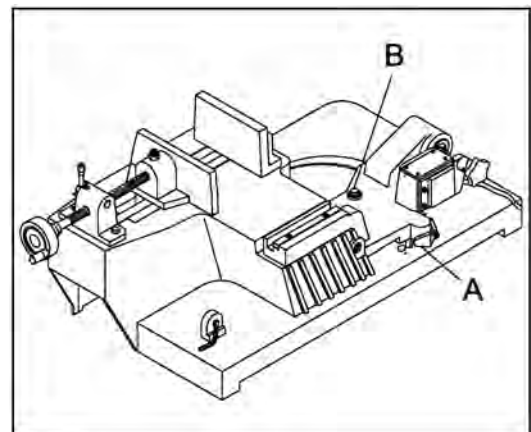
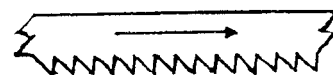


Fig. 4

Blade Movement



Electrical Connections

This band saw is designed for use on a circuit with an outlet that looks like (A) in Figure on the right hand side. This saw has a grounding prong as the right illustrated in (B). A temporary adapter (C) may be used to connect the plug to a two pole receptacle (D) if a properly grounded outlet is not available. This temporary adapter should only be used until a properly grounded outlet can be installed by qualified electrician. The green colored lug must be securely fastened to the cover plate screw.

Anti-Skid Rubber Ring

The drive blade wheels used rubber rings (A) in Figure 5 on this band saw is designed to prevent blade skidding off from the flanges, and to keep the machine running smooth. Thus, blade can be freed from friction with wheels and prolong its life. And certainly, the noises can be reduced at the same time. In order to remain the machine in good performance, it is necessary to change the rubber ring once in a year, or to depend on certain conditions such as machine running not smoothly, blade sliding in movement, noise level over 70 db, and so on.

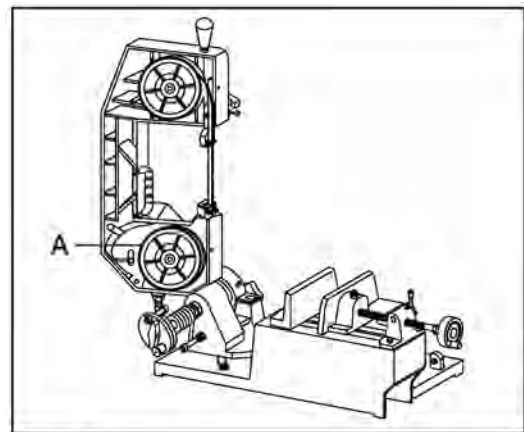
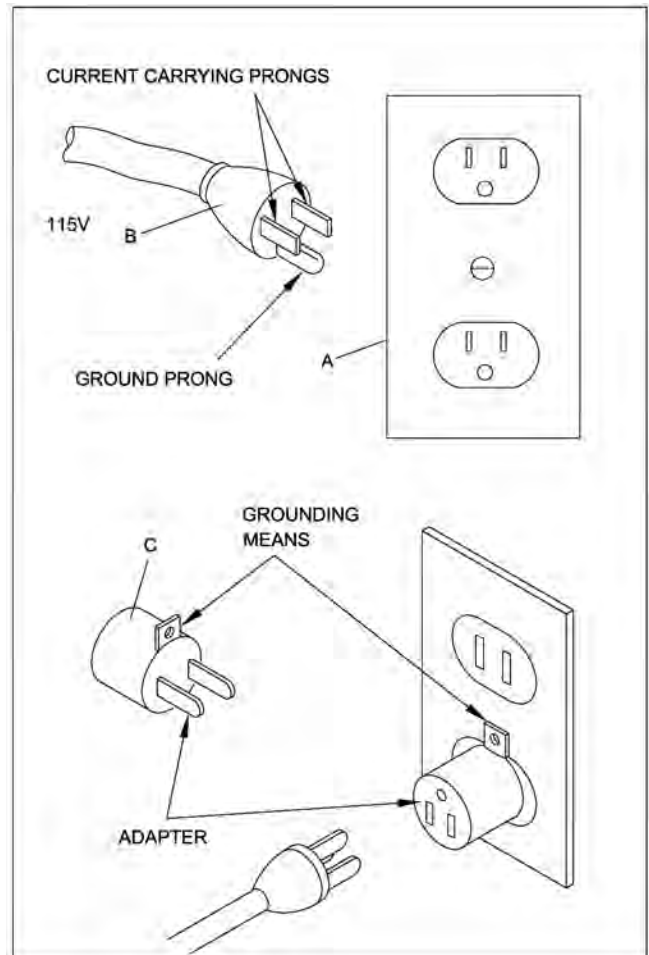


Fig. 5



WARNING

Disconnect machine from the power source !

No matter when, where, or how. Pay extra attention to the saw during it in transportation, operation, maintenance. Or adjustment.

Failure to comply may cause serious injury !

Changing Blade

1. Raise this saw head up-to 90 degree by lifting up knob (A) in Fig.6 a little bit to release the lock-pin, and slide it into the slot that is made for setting the saw arm in vertical position.
2. Remove this blade guards (B), and blade cover by loosening two screws (C) on the saw frame.
3. Push tension handle (D) Counterclockwise to let the blade slip off.
4. Remove blade from both wheels (E), and blade guide bearings (F).
5. Place a new blade on the flanges of wheels but not too tight, twist blade slightly and let it slip into between each of guide bearings. Make sure the teeth of blade face down toward the bed.
6. Fasten the tension handle clockwise move the handle by pulling it down. With one hand and it will be tracked onto wheels properly.
7. Replace blade cover (G) and guards. And start the machine to see that the blade runs properly.

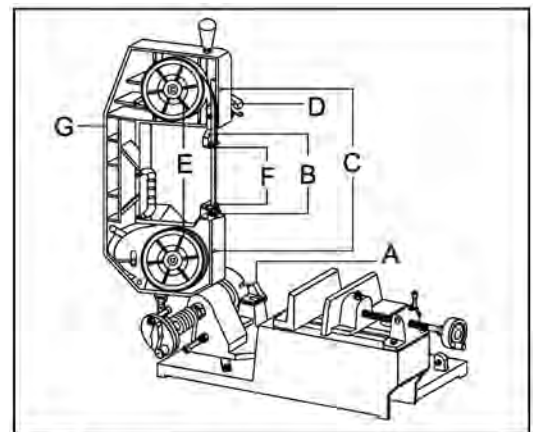


Fig. 6

Vertical Cutting (optional)

1. Fasten the supporting bar (A) in Fig. 7 into the slot at the saw head.
2. Raise saw head to vertical position by lifting up the knob (B) a little to release the lock-pin and slide it into the slot which is set for 90 degree.
3. Remove the small plate (C).
4. Install an attached fold plate to (C) position, and tighten it with two screws at (C) location, clamping another side in the vise.
5. Before cutting a bigger work, take away the carrying handle (E). After service, replace the handle.

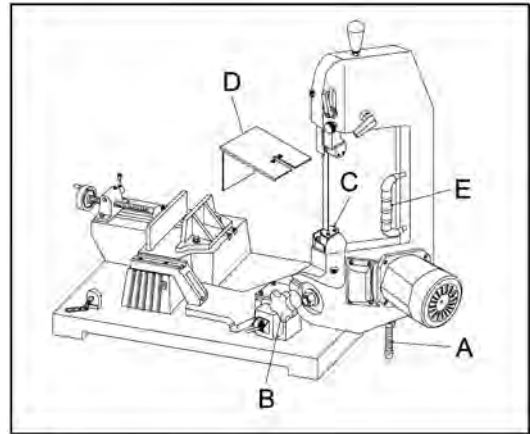


Fig. 7

Caution: Be sure that the machine is disconnected from the power source before attempting to service or take any component away !

Toggle Switch

The band saw is equipped with the toggle switch which is designed for operating safety and easily, push toggle switch up to start the blade running. After cutting the toggle switch will be press down and cut off the motor power.

8. Adjustment

Adjusting Blade Guide

An unbounded handle is mounted on the unit for freely adjusting the position of blade guide to suit the workpiece size. It's designed for your convenience to adjust blade guide easily and quickly at any time, and under any situation. Adjustment of this blade guide is in accordance with the sizes of work pieces. The one located at the left of the saw head can be adjusted and the other is fixed.

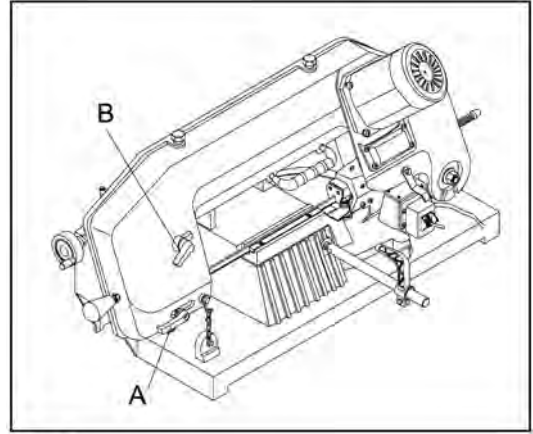


Fig. 8

1. If the work is big, loosen the handle (A) in Fig. 8. Move the guide toward the work about one inch then tighten the handle.
2. When cutting a small work, move the guide toward the work as close as it can be. Both cuttings will present you satisfactory jobs.
1. Bad cuts due to blade worn, replace a new blade.
2. The saw uses fixed ball bearings. For keeping proper cutting, the best way is to replace them every three or six months depending on the frequency of service.
3. Poor cuts can be made because the fixed nut (A) is getting loose. Then tighten it properly.

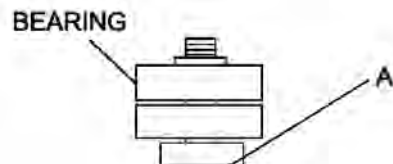


WARNING

Do not make any adjustments, or load, unload work from vise when machine is running !

Adjusting Poor Cutting

The machine has been adjusted and power-tested with several test cuts before leaving the factory to insure proper cutting. If there is any poor cuts occurred, correct it as follows.



Maintain Gear Transmission

The gears of the transmission system equipped with this machine are made of a special kind of steel.

The quality insures that the gears will be more sturdy and durable. In order to keep the performance as perfect as they are designed for. We suggest that a lubricant shall be required for them every three months. To fulfill the job, follow the steps as below.

1. Loosen the screw (A) in Fig.9 with a 8 mm Hex wrench.
2. Remove the wheel (B), then lubricate the gears with Anti-high heat grease.
3. Replaces this wheel with care, then tighten the screw (A) properly.



WARNING

SHUT OFF THE POWER SOURCE BEFORE THIS MACHINE IS IN ADJUSTMENT, MAINTENANCE, OR REPAIRMENT.

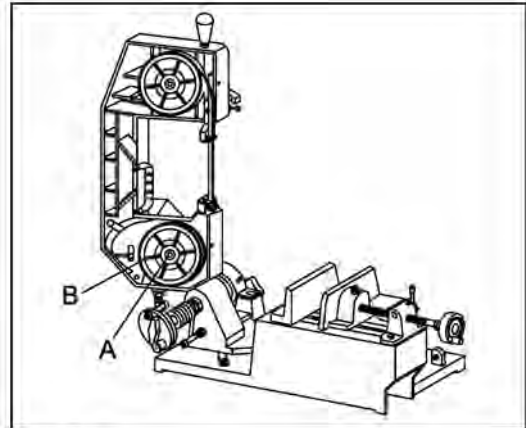


Fig. 9

Blade Tension Adjustment

The tension device of this machine is designed for the ready service basis. All you have to do is hold the handle (B) in Fig.8 to control blade tension by giving turn to increase or decrease tension as you wish during machine in operation. The major function of it is to present a perfect cut, because it can make the blade work on constant tension. Furthermore, attached with the tension system, there are a couple of compression springs which are made for decreasing the blade backlash. Consequently, it is for sure to extend life of the blade.

BEFORE STARTING

MAKE SURE UNHOOK THE LOCK CHAIN BETWEEN THE SAW ARM AND BED TO RELEASE THE SAW. AFTER SERVICE, REMEMBER IT MUST BE REPLACED BACK FOR SAFETY AND EASY CARRYING.

Adjusting Blade Tracking



WARNING

Blade tracking adjustment requires running the saw with the back cover open. This adjustment must be completed by qualified persons only! Failure to comply may cause serious injury!

Note: Before making any tracking adjustments, try a new blade. Warped blades will not track.

Blade tracking has been set at the factory and should not require adjustment. If a tracking problem occurs. Adjust the machine as follows:

1. Move the saw arm to the vertical position and lock in place.
2. Confirm that blade tension is set properly. To adjust, see section titled "Adjusting Blade Tension".
3. Open the back cover by loosening the hinges.
4. Run the machine and observe the blade. Blade should run next to, but not tightly against the wheel flange.
5. Loosen the bolt (A) in Fig.10.
6. While observing the tracking on the blade wheel. Turn both of the set screws (B) clockwise about 1/4 revolution to track the blade closer to the wheel flange. Turn the set screws (B) counter-clockwise 1/4 revolution to track blade away from the wheel flange. Once tracking is set, tighten bolt (A).

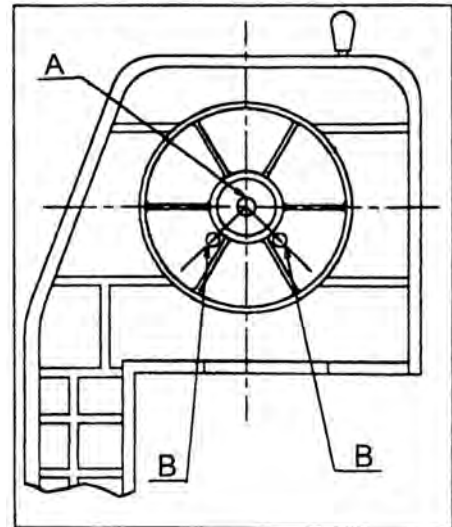
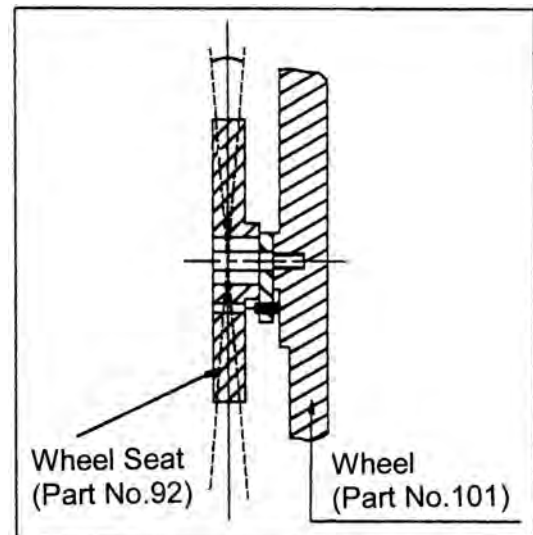


Fig. 10



PARTS LIST FOR MI-93050

PARTS #	DESCRIPTION	SPECIFICATION	QTY	PARTS #	DESCRIPTION	SPECIFICATION	QTY
MI-93050-1	Base		1	MI-93050-64-1	Cross Screw	M5x15	4
MI-93050-2	Chain		1	MI-93050-64-2	Button Head Socket Screw	M6x20	1
MI-93050-3	Flat Washer	5x12x1	2	MI-93050-65	Spring Cover		1
MI-93050-3-2	Nut	M5	1	MI-93050-65-1	Set Screw	M4x8	2
MI-93050-4	Hex. Soc. Cap Screw	M5x25	1	MI-93050-66	Self-Lubricated Bushing	1612	2
MI-93050-5	Set Cap Nut		1	MI-93050-67	SL Flat Washer	2615	1
MI-93050-6	Hex. Cap Bolt	M6x10	1	MI-93050-67-1	Flat Washer	23x50x3	1
MI-93050-7	0°45°Lock Washer		1	MI-93050-68	Shaft		1
MI-93050-7-1	Stopper		1	MI-93050-68-1	Pin	3mm	1
MI-93050-7-2	Hex. Soc. Cap Screw	M6x20	2	MI-93050-69	Spring		1
MI-93050-7-3	Nut	M6	1	MI-93050-71	Set Knob		1
MI-93050-8	Stop Rod		1	MI-93050-72	Toggle Switch		1
MI-93050-9	Stop Block		1	MI-93050-73	Miter Mirror		1
MI-93050-10	Thumb Screw	M8x16	1	MI-93050-74	Cross Screw	M5x10	1
MI-93050-11	Hex. Soc. Cap Screw	M6x8	1	MI-93050-74-1	Flat Washer	5x10x1	1
MI-93050-12	Spring		1	MI-93050-75	Toggle Switch Box		1
MI-93050-13	Nut		1	MI-93050-76	Cross Screw	M4x10	4
MI-93050-14	Wheel Handle		1	MI-93050-77	Non-Stripper		2
MI-93050-15	Hand Wheel		1	MI-93050-78	On-Off-Plate		1
MI-93050-16	Set Screw	M6x6	1	MI-93050-79	Flat Washer	12x0.5x15	1
MI-93050-17	Hex. Cap Bolt	M8x16	2	MI-93050-80	Set Cap Nut		1
MI-93050-18	Spring Washer	M8	2	MI-93050-80-1	Switch Cover		1
MI-93050-19	Nut Seat		1	MI-93050-81	Toggle Switch Seat		1
MI-93050-20	Set Screw	M5x12	1	MI-93050-82	Hex. Soc. Cap Screw	M5x25	2
MI-93050-21	Nut	M5	1	MI-93050-83	Ball Bearing	625#	4
MI-93050-22	Eccentric Shaft		1	MI-93050-84	Flat Washer	5x10x1	2
MI-93050-23	Eccentric Handle		1	MI-93050-84-1	Spring Washer	M5	2
MI-93050-24	Round Key	5x5x15	1	MI-93050-85	Cross Screw	M4x6	2
MI-93050-25	Lead Screw		1	MI-93050-86	Blade Guard (left)		1
MI-93050-26	Vise Jaw (left)		1	MI-93050-87	Adjustable Bracket (left)		1
MI-93050-27	Set Screw	M5x12	1	MI-93050-88	Saw Arm Lifting Knob		1
MI-93050-28	Hex. Nut	M5	1	MI-93050-89	Nut	M8	1
MI-93050-29	Hex. Soc. Cap Screw	M6x12	2	MI-93050-90	Blade Tension Handle Shaft		1
MI-93050-30	Spring Washer	M6	2	MI-93050-91	Blade Wheel Seat Tooth		1
MI-93050-31	Set Plate		1	MI-93050-92	Blade Wheel Seat		1
MI-93050-32	Square Guard Tube		2	MI-93050-93	Fiber Hex. Nut	M6	2
MI-93050-33	Flat Head Cross Screw	M6x30	2	MI-93050-94	Blade Tension Block		1
MI-93050-34	Vise Jaw (right)		1	MI-93050-95	Compression Spring Lock Bolt		2
MI-93050-35	Spring Washer	M10	2	MI-93050-96	U-Shape Plate		1
MI-93050-36	Hex. Cap Bolt	M10x20	2	MI-93050-97	Compression Spring		2
MI-93050-37	Set Cover		1	MI-93050-98	Hex. Soc. Cap Screw	M6x10	4
MI-93050-38	Bushing		1	MI-93050-99	Guide Plate		2
MI-93050-39	Spring		1	MI-93050-100	Blade Wheel Shaft (left)		1
MI-93050-40	Pin		1	MI-93050-100-1	Set Screw	M6x10	2
MI-93050-41	Hex. Soc. Cap Screw	M6x10	1	MI-93050-101	Blade Wheel (left)		1
MI-93050-42	Flat Washer	6x19x2	1	MI-93050-102	Ball Bearing	6003#	2
MI-93050-43	Hex. Nut	M8	1	MI-93050-103	C-Ring	35R	1
MI-93050-44	Spring Adjusting Plate		1	MI-93050-104	Flat Washer	8x23x2	1
MI-93050-45	Hex. Soc. Cap Screw	M8x30	1	MI-93050-105	Spring Washer	M8	1
MI-93050-46	Spring Set Seat		1	MI-93050-106	Button Head Socket Screw	M8x45	1
MI-93050-47	Spring		1	MI-93050-108	Blade Cover		1
MI-93050-48	Cut Off Power Cam		1	MI-93050-112	Button Head Socket Screw	M8x50	1
MI-93050-49	Round Key	4x4x20	1	MI-93050-113	Spring Washer	M8	1
MI-93050-50	Joint Shaft		1	MI-93050-114	Flat Washer	8x23x2	1
MI-93050-51	Square Key	4x4x12	1	MI-93050-115	Blade		1
MI-93050-52	Flat Head Hex. Soc. Screw	M6x16	2	MI-93050-116	C-Ring	35R	1
MI-93050-53	Support Plate		1	MI-93050-117	Ball Bearing	6003#	2
MI-93050-54	Swivel Support Elbow		1	MI-93050-118	Rubber Ring		1
MI-93050-55	Button Head Socket Screw	M8x25	1	MI-93050-119	Blade Wheel (right)		1
MI-93050-56	Spring Washer	M8	1	MI-93050-120	Felt Pad		1
MI-93050-57	Hex. Soc. Cap Screw	M8x40	1	MI-93050-121	Down Speed Cogwheel		1
MI-93050-58	Flat Washer	8x25x3	1	MI-93050-122	Hex. Soc. Cap Screw	M6x16	3
MI-93050-59	Hex. Nut	M8	1	MI-93050-123	Blade Wheel Shaft (right)		1
MI-93050-60	Hex. Cap Bolt	M8x45	1	MI-93050-124	Saw Arm		1
MI-93050-60-1	Hex. Cap Bolt	M8x35	1	MI-93050-125	Armature		1
MI-93050-60-2	Nut	M8	1	MI-93050-125-1	Washer		1
MI-93050-61	Flat Washer	8x25x3	1	MI-93050-125-2	Centrifugal Switch		1
MI-93050-62	Swivel Miter Base		1	MI-93050-125-3	Cross Screw	M4x8	2
MI-93050-63	Shaft		1	MI-93050-126	Cover W/ Silicon Steel		1
MI-93050-64	Shaft Seat		1	MI-93050-126-1	Cooling Fan Cover		1

PARTS LIST FOR MI-93050

PARTS #	DESCRIPTION	SPECIFICATION	QTY	PARTS #	DESCRIPTION	SPECIFICATION	QTY
MI-93050-126-2	Flat Washer	6x13x1	1				
MI-93050-126-3	Button Head Socket Screw	M6x8	1				
MI-93050-127	90°Support Bar		1				
MI-93050-128	Hex. Nut	M10	1				
MI-93050-129	Hex. Soc. Cap Screw	M5x16	4				
MI-93050-130	Spring Washer	M5	4				
MI-93050-131	Wires Box Cover		1				
MI-93050-131-1	Capacitor		1				
MI-93050-132	Cross Screw	M5x6	1				
MI-93050-133	Non-Stripper		1				
MI-93050-134	Fiber Hex. Nut	M12	1				
MI-93050-135	Flat Washer	12x28x3	1				
MI-93050-136	Ball Bearing	625#	1				
MI-93050-136-1	Bearing Pin		1				
MI-93050-137	Carry Handle		1				
MI-93050-138	Spring Washer	M8	1				
MI-93050-138-1	Button Head Socket Screw	M8x12	1				
MI-93050-139	Switch Off Plate		1				
MI-93050-139-1	Hex. Cap Bolt	M6x30	1				
MI-93050-139-2	Nut	M6	1				
MI-93050-139-3	Rubber		1				
MI-93050-140	Cross Screw	M5x8	4				
MI-93050-141	Hinge		2				
MI-93050-142	Cross Screw	M4x10	2				
MI-93050-142-1	Spring Washer	M4	2				
MI-93050-143	Blade Guard		1				
MI-93050-144	Button Head Socket Screw	M8x20	2				
MI-93050-145	Spring Washer	M8	2				
MI-93050-146	Ball Bearing Seat		1				
MI-93050-147	Ball Bearing	625#	2				
MI-93050-148	Pin	Ø5x14	2				
MI-93050-149	Hex. Soc. Cap Screw	M6x30	2				
MI-93050-150	Flat Washer	5x10x1	2				
MI-93050-150-1	Spring Washer	M5	2				
MI-93050-151	Ball Bearing	625#	4				
MI-93050-152	Hex. Soc. Cap Screw	M5x25	2				
MI-93050-153	Ball Bearing Protecting Plate		1				
MI-93050-154	Flat Head Hex. Soc. Screw	M6x10	2				
MI-93050-155	Set Screw	M5x12	1				
MI-93050-156	Blade Tension Adjustable Hand		1				
MI-93050-157	Bushing		1				
MI-93050-158	Chain Hook		1				
MI-93050-158-1	Flat Washer	8x16x1.5	1				
MI-93050-159	Button Head Socket Screw	M8x12	1				
MI-93050-160	Adjustable Bracket Handle	M8x25	1				
MI-93050-161	Flat Washer	8x23x2	1				
MI-93050-162	Power Cord		1				
MI-93050-162-1	Wire		1				
MI-93050-163	Scale		1				
MI-93050-164	Vertical Cutting Plate		1				
MI-93050-165	Nut	M8	1				
MI-93050-166	Hex. Soc Cap Screw	M8x25	1				
MI-93050-167	Chip Tray		1				
MI-93050-168	Button Head Socket Screw	M5x8	2				
MI-93050-169	Supporting Plate		1				

