



9" Band Saw

Item No.:055-6748-6



Instruction Manual

**Toll-Free Helpline
1-800-689-9928**

Table of contents

SECTION	PAGE
I. Specifications.....	2
II. General safety guidelines.....	3
III. Electrical information.....	6
IV. Know your band saw.....	8
V. Assembly and adjustments.....	10
VI. Operating instructions.....	14
VII. Maintenance.....	19
VIII. Troubleshooting.....	20
IX. Warranty.....	22
X. Parts list.....	23

I. Specifications

Model:	055-6748-6
Motor:	120 V~60 Hz 2.5 A
Speed:	2556 SFM (surface feet per minute)
Blade length:	62" (157.5 cm)
Blade width:	1/4" (6.35 mm)
Table size:	11 3/4 x 11 3/4" (30 x 30 cm)
Net weight:	39 lb 10 oz (18 kg)
Cutting Capacity	
Max. cutting depth:	3 9/64" (8 cm)
Max. cutting width:	9" (23 cm)

II. General safety guidelines

Safety is a combination of common sense, staying alert, and knowing how your band saw works.

▲WARNING! TO AVOID MISTAKES THAT COULD CASE SERIOUS INJURY, DO NOT PLUG IN THE BAND SAW UNTIL YOU HAVE READ AND UNDERSTOOD THE FOLLOWING RULES.

1. READ and become familiar with this entire instruction manual. LEARN the tool's applications, limitations, and possible hazards.
2. AVOID DANGEROUS CONDITIONS. DO NOT use power tools in wet or damp areas, and DO NOT expose them to rain. Keep work areas well-lit. Attach the dust extraction unit. If there are connections for dust extraction and collection equipment, then make sure that the equipment is correctly attached and used.
3. DO NOT use power tools in the presence of flammable liquids or gases.
4. ALWAYS keep your work area clean, uncluttered, and well-lit. DO NOT work on floor surfaces that are slippery with sawdust or wax.
5. KEEP BYSTANDERS AT A SAFE DISTANCE FROM the work area, especially when tool is operating. NEVER allow children or pets near the tool.
6. DO NOT FORCE THE TOOL to do a job that it was not designed to do.
7. DRESS FOR SAFETY. DO NOT wear loose clothing, gloves, neckties, or jewellery (rings, watches, etc.) when operating tool. Inappropriate clothing and items can get caught in moving parts and pull you in. ALWAYS wear non-slip footwear, and tie back long hair.
8. WEAR A FACE MASK OR DUST MASK. Sawing operations produce dust.

▲WARNING! DUST GENERATED FROM CERTAIN MATERIALS CAN BE HAZARDOUS TO YOUR HEALTH. ALWAYS OPERATE THE BAND SAW IN A WELL-VENTILATED AREA, AND PROVIDE FOR PROPER DUST REMOVAL. WEAR A FACE MASK OR DUST MASK WHEN OPERATING.

9. ALWAYS remove the power cord plug from the electric outlet when making adjustments, changing parts, cleaning or working on the tool.
10. KEEP GUARDS IN PLACE AND IN WORKING ORDER.
11. AVOID ACCIDENTAL START-UPS. Turn the power switch to the OFF position before plugging in the power cord.
12. REMOVE ADJUSTMENT TOOLS. ALWAYS make sure all adjustment tools are removed from the band saw before turning it on.

II. General safety guidelines (continued)

13. NEVER LEAVE A RUNNING TOOL UNATTENDED. Turn the power switch to the OFF position. DO NOT leave tool until it has come to a complete stop.
14. NEVER STAND ON THE TOOL. Serious injury could result if the tool tips or is accidentally jarred. DO NOT store anything above or near the tool.
15. DO NOT OVERREACH. Keep proper footing and balance at all times. Wear oil-resistant, rubber-soled footwear. Keep the floor clear of oil, scraps, and other debris.
16. MAINTAIN TOOLS PROPERLY. ALWAYS keep tools clean and in good working order. Follow instructions for lubricating and changing accessories.
17. CHECK FOR DAMAGED PARTS. Check for alignment of moving parts, jamming, binding, breakage, improper mounting, or any other conditions that may affect the operation. Any part that is damaged should be properly repaired or replaced before use.
18. MAKE THE WORKSHOP CHILDPROOF. Use padlocks and master switches, and ALWAYS remove starter keys.
19. DO NOT operate the tool if you are under the influence of any drugs, alcohol, or medication that could affect your ability to use the tool properly.



ALWAYS WEAR EYE PROTECTION THAT CONFORMS WITH CSA REQUIREMENTS.

FLYING DEBRIS can cause permanent eye damage.

Prescription eyeglasses are not a replacement for proper eye protection.

▲WARNING! EXPOSURE TO EXCESSIVE NOISE LEVELS CAN RESULT IN PERMANENT HEARING LOSS. ALWAYS WEAR EAR PROTECTION (SAFETY EAR MUFFS OR EAR PLUGS) TO REDUCE NOISE LEVELS WHEN OPERATING THE BAND SAW.

Additional safety guidelines for band saw

1. TO AVOID INJURY FROM UNEXPECTED MOVEMENT, make sure the saw is on a firm, level surface, and that it is properly secured to prevent rocking. Make sure there is adequate space for operations. Bolt the saw to a support surface to prevent slipping or sliding during operation.
2. TURN OFF AND UNPLUG the saw before moving it.
3. USE THE CORRECT SIZE AND STYLE OF BLADE.

II. General safety guidelines (continued)

4. MAKE SURE THE BLADE TEETH POINT DOWN AND TOWARD THE TABLE.
5. BLADE GUIDE, SUPPORTS, BEARINGS AND BLADE TENSION must be properly adjusted in order to avoid accidental blade contact, and to minimize blade breakage. To maximize blade support, always adjust the upper blade guide and blade guard so that it barely clears the workpiece.
6. TABLE LOCK HANDLE SHOULD BE TIGHT.
7. USE EXTRA CAUTION with very large, very small, or awkward workpieces.
8. USE EXTRA SUPPORTS to prevent workpieces from sliding off the tabletop. Never use another person in place of a table extension, or to provide additional support for the workpiece.
9. WORKPIECES SHOULD BE SECURED so that they do not twist, rock, or slip while being cut.
10. PLAN INTRICATE OR SMALL WORK CAREFULLY in order to avoid pinching the blade. Avoid awkward operations and hand positions in order to prevent accidental contact with the blade.
11. SMALL PIECES SHOULD BE SECURED with clamps or fixtures. Do not hold small pieces with your hand, because your fingers might go under the blade guard.
12. SUPPORT ROUND WORK PROPERLY (use a V block, or press it against the mitre gauge) to prevent it from rolling and the blade from biting.
13. CUT ONLY ONE WORKPIECE AT A TIME. Make sure the table is clear of everything except the workpiece and its guides before you turn the saw on.
14. ALWAYS WATCH THE SAW RUN BEFORE EACH USE. If there is excessive vibration or unusual noise, stop immediately. Turn the saw off, and unplug it immediately. Do not start the saw again until the problem has been located and corrected.
15. TO FREE JAMMED MATERIAL, turn the switch off. Remove the switch key, and unplug the saw. Wait for all moving parts to stop before removing the jammed material.
16. DON'T LEAVE THE WORK AREA UNTIL ALL MOVING PARTS HAVE STOPPED. Shut off the power to master switches. Remove the switch key from the band saw, and store it in a safe place, away from children. Childproof the workshop!

KEEP THIS USER'S MANUAL IN A SAFE PLACE FOR FUTURE REFERENCE

III. Electrical information

GUIDELINES FOR USING EXTENSION CORDS

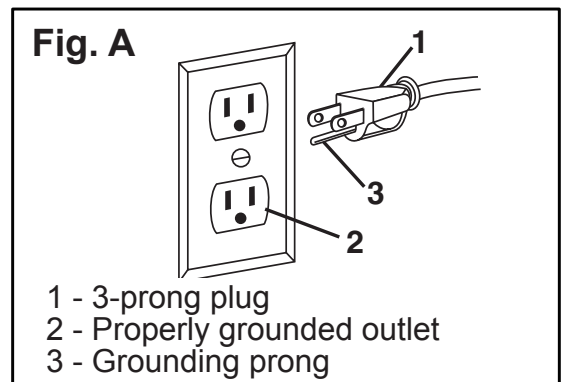
IN THE EVENT OF A MALFUNCTION OR BREAKDOWN, grounding provides the path of least resistance for an electric current and reduces the risk of electric shock. This tool is equipped with a power cord that has an equipment grounding conductor and a grounding plug. The plug **MUST** be plugged into a matching outlet that is properly installed and grounded, in accordance with ALL local codes and ordinances.

DO NOT MODIFY THE PLUG PROVIDED. If it will not fit in the outlet, have the proper type of outlet installed by a licensed electrician.

IMPROPER CONNECTION of the equipment grounding conductor can result in risk of an electric shock. The conductor with the green insulation (with or without yellow stripes) is the equipment grounding conductor. If repair or replacement of the power cord or plug is necessary, **DO NOT** connect the equipment grounding conductor to a live terminal.

CHECK with a licensed electrician or service person if you do not completely understand the grounding instructions, or if you are not sure whether the tool is properly grounded.

USE ONLY THREE-WIRE EXTENSION CORDS that have 3-pronged plugs and only 3-holed outlets that accept the tool's plug, as shown in Fig. A. Repair or replace damaged or worn cord immediately.



⚠ CAUTION: IN ALL CASES, VERIFY THAT THE OUTLET IN QUESTION IS PROPERLY GROUNDED. IF YOU ARE NOT SURE, HAVE A LICENSED ELECTRICIAN CHECK THE OUTLET.

⚠ WARNING! THIS BAND SAW IS INTENDED FOR INDOOR USE ONLY. DO NOT EXPOSE IT TO RAIN OR USE IN DAMP LOCATIONS.

KEEP THIS USER'S MANUAL IN A SAFE PLACE FOR FUTURE REFERENCE

III. Electrical information (continued)

GUIDELINES FOR USING EXTENSION CORDS

Make sure your extension cord is in good condition. When using an extension cord, be sure to use one that is heavy enough to carry the current that your product will draw. An undersized cord will cause a drop in line voltage, which will result in loss of power and overheating. The table below shows the correct size to use according to cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

MINIMUM GAUGE FOR EXTENSION CORDS (AWG) (When using 120 V only)					
Ampere Rating		Total length of cord in feet			
More Than	Not More Than	25' (7.62 m)	50' (15.24 m)	100' (30.5 m)	150' (45.72 m)
0	6	18' (5.5 m)	16' (4.8 m)	16' (4.8 m)	14' (4.3 m)
6	10	18' (5.5 m)	16' (4.8 m)	14' (4.3 m)	12' (3.7 m)
10	12	16' (4.8 m)	16' (4.8 m)	14' (4.3 m)	12' (3.7 m)
12	16	14' (4.3 m)	12' (3.7 m)	Not Recommended	

Be sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord, or have it repaired by a qualified person before using it.

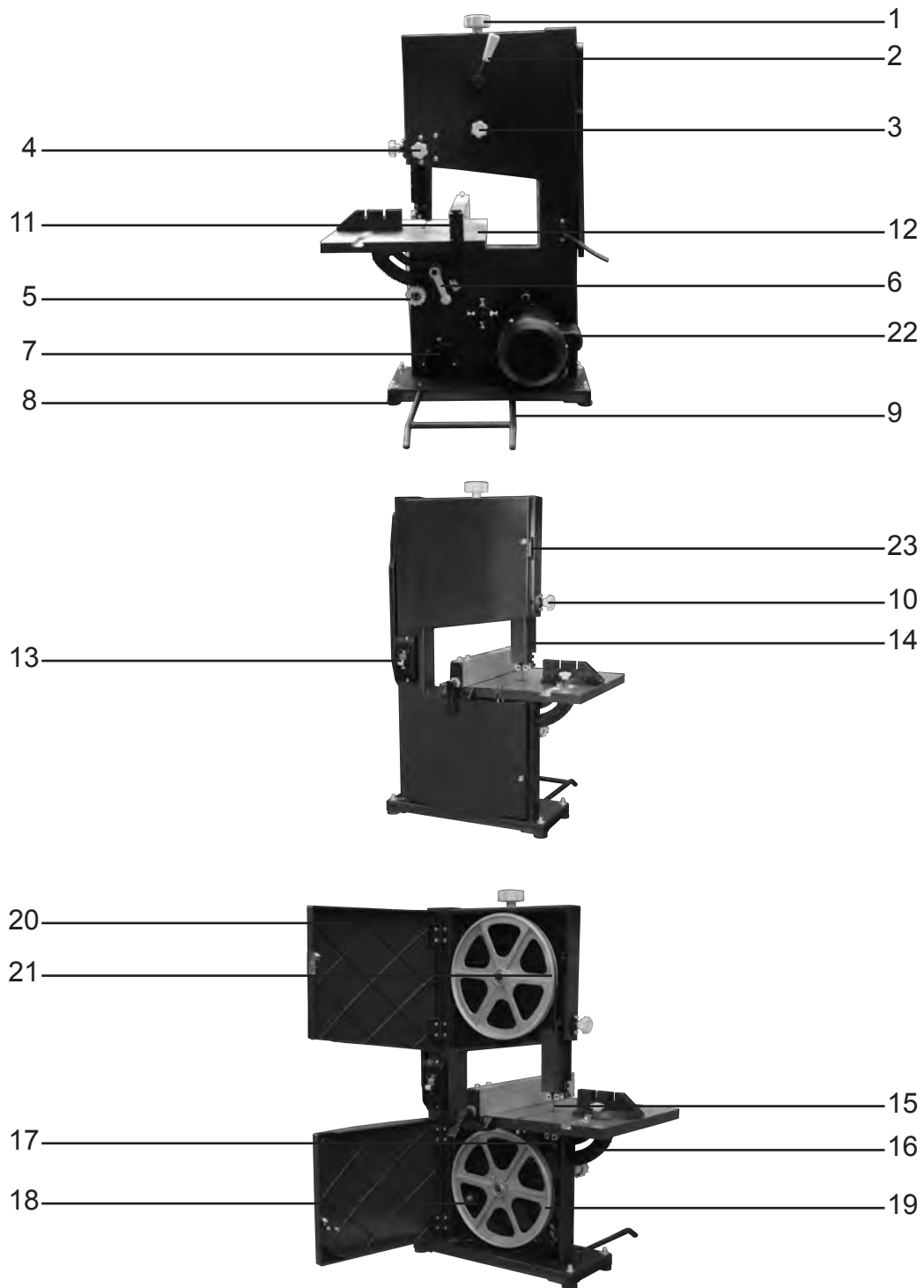
Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.

Use a separate electrical circuit for your tools. This circuit must consist of not less than a #12 wire, and should be protected with a 15 A time-delayed fuse. Before connecting the motor to the power line, make sure the switch is in the OFF position and the electric current is rated the same as the current stamped on the motor nameplate. Running at a lower voltage will damage the motor.

▲WARNING: THIS TOOL MUST BE GROUNDED WHILE IN USE IN ORDER TO PROTECT THE OPERATOR FROM ELECTRIC SHOCK.

KEEP THIS USER'S MANUAL IN A SAFE PLACE FOR FUTURE REFERENCE

IV. Know your band saw



IV. Know your band saw (continued)

- | | |
|---------------------------------------------------|----------------------------|
| 1 Tension knob | 12 Working table |
| 2 Blade tension lever | 13 On/off switch |
| 3 Tracking knob | 14 Upper blade guard |
| 4 Wheel locking blade guide | 15. Blade |
| 5 Knob for adjusting the inclination of the table | 16. Table support assembly |
| 6 Table tilt locking knob | 17. Lower blade guide |
| 7 Dust extraction nozzle | 18. Drive belt |
| 8 Rubbet feet | 19. Lower wheel |
| 9 Additional support | 20. Door |
| 10 Control wheel upper blade guide | 21. Upper wheel |
| 11 Rip fence | 22. Motor assembly |
| | 23. Upper viewing port |

▲WARNING: FOR YOUR OWN SAFETY, READ THE INSTRUCTION MANUAL BEFORE OPERATING THE BAND SAW.

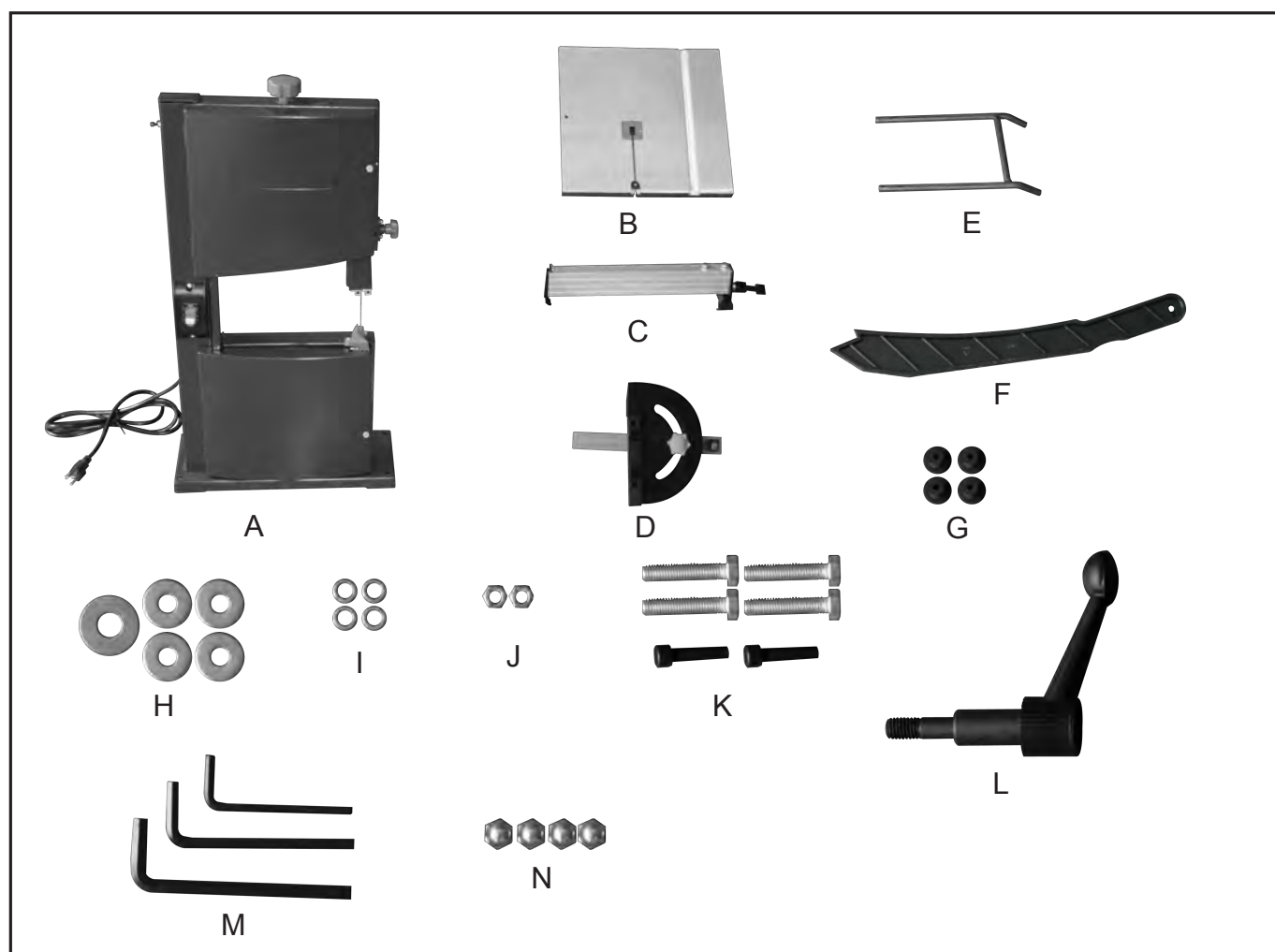
1. Wear eye protection.
2. Do not wear gloves, a necktie, or loose clothing.
3. Make sure the saw is on a firm, level surface, and that it is properly secured.
4. Use only the recommended accessories.
5. Use extra caution with very large, very small, or awkward workpieces.
6. Keep your hands away from the blade at all times in order to prevent accidental injury.

V. Assembly and adjustments

UNPACKING

Carefully unpack the band saw and all of its parts, and compare them against the list below. Do not discard the carton or any packaging until the band saw is completely assembled.

⚠WARNING: IF ANY PART IS MISSING OR DAMAGED, DO NOT PLUG THE BAND SAW IN UNTIL THE MISSING OR DAMAGED PART IS REPLACED.



- | | | | |
|---|--------------------|---|-------------------------------------|
| A | Band saw | H | M5, M6 and M8 Flat washer |
| B | Working Table | I | M5 Spring washer |
| C | Fence | J | M6 Bolt |
| D | Mitre gauge | K | M6x30 Screw and M5x20 Hexagon screw |
| E | Additional support | L | Table tilt locking knob |
| F | Push stick | M | 3, 4, 5 mm hex wrenches |
| G | Rubber feet | N | Round head screws |

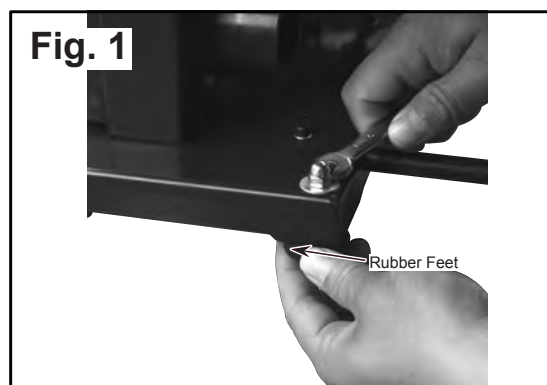
V. Assembly and adjustments (continued)

ASSEMBLY

⚠WARNING: BEFORE ASSEMBLING THE BAND SAW, REMOVE THE SAFETY KEY AND UNPLUG THE POWER CORD FROM THE ELECTRICAL OUTLET. THE POWER CORD MUST REMAIN UNPLUGGED WHENEVER YOU ARE WORKING ON YOUR BAND SAW.

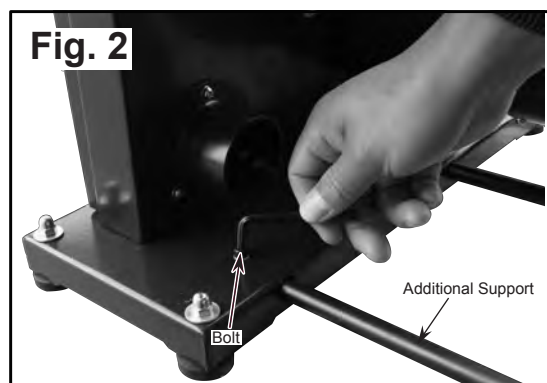
Rubber feet mounting (FIG.1)

Before cutting, assemble the four rubber feet to holes in the four corner of base with bolts (M6*30), big flat washers 6, and nuts (M6) as show in picture.



Mounting the additional support (FIG.2)

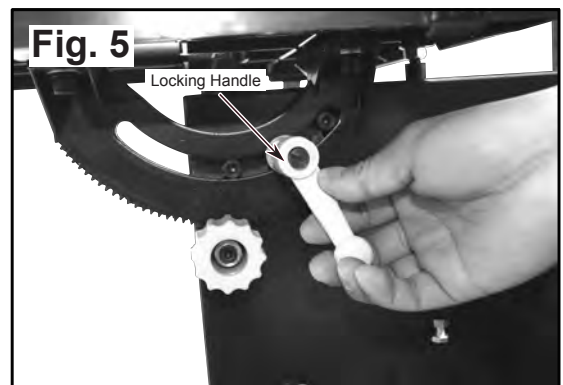
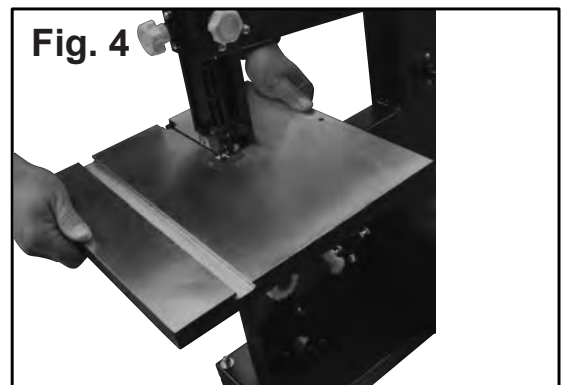
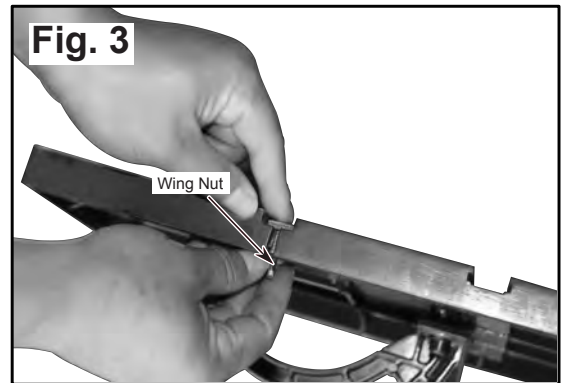
- Insert the additional support into the corresponding two holes in the side of base.
- Align the holes in the supporting and the surface of base.
- Secure the supporting with two bolts and nuts.



V. Assembly and adjustments (continued)

Mounting the working table (FIG.3-5)

- Remove the bolt and wing nut from the hole located in the front edge of table.
- Carefully slide the table over the blade, through the slot in the table.
- Remove knob assembly from saw frame.
- Position table assembly on saw frame. Re-install knob assembly.
- Secure table in position with locking handle assembly.
- Using a combination square, set table perpendicular to blade. Adjust table stop if necessary.
- Set pointer at 0°.
- Insert and tighten the bolt and wing nut into the hole located in the front edge of the table.

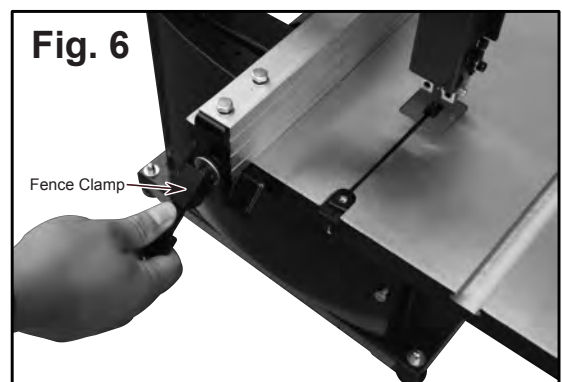


Install the fence (FIG.6)

- Raise the clamp on the fence assembly to the up position.
- Place the fence on the table so that the clamp is at the front of the table.
- Lower the fence clamp in order to lock the fence in position.

To move the fence, raise the clamp and slide the fence to the desired location. Lower the clamp in order to lock the fence in position.

⚠ WARNIGN: Never use miter gauge and rip fence at the same time. The blade might bind in the workpiece. Operator could be injured and/or workpiece could be damaged.



V. Assembly and adjustments (continued)

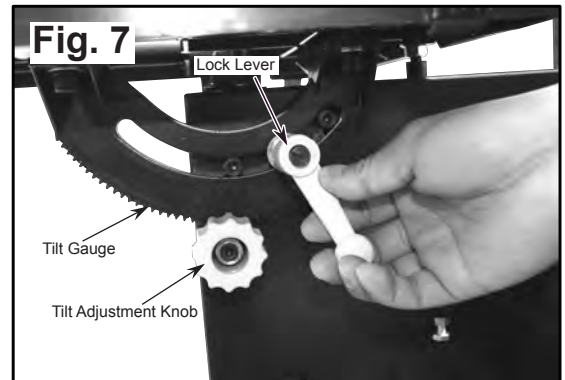
ADJUSTMENTS

▲WARNING: BEFORE ADJUSTING THE BAND SAW, TURN THE SAW OFF, REMOVE THE SAFETY KEY, AND UNPLUG THE POWER CORD FROM THE ELECTRICAL OUTLET.

Table tilt adjustment (FIG.7)

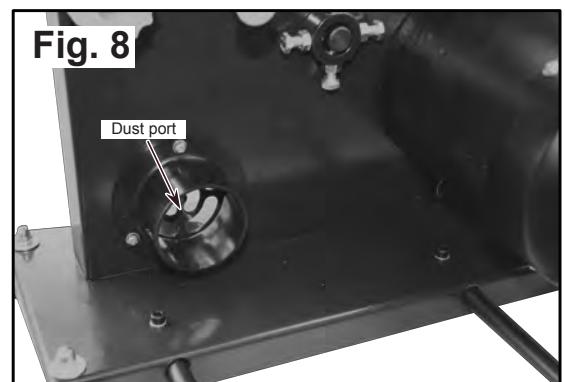
The table tilts from 0° to 45° to the right.

- Turn the table tilt lock lever counterclockwise.
- Turn the table tilt adjustment knob until the pointer is at the desired angle on the table tilt gauge.
- Tighten the table lock lever in order to secure the table.



Connect to a dust collection system (FIG.8)

A dust port is located on the motor side of the band saw. This port can be connected directly to a dust collection system by connecting the pickup end of the dust collection hose to the dust port.



VI. Operating instructions

▲CAUTION: Always observe the following safety precaution:

- Make sure that blade guides and thrust bearing are positioned and adjusted correctly to prevent sideways and rearward movement of the blade. Adjust upper guide to just clear workpiece.
- Check to make sure blade is tensioned and tracking properly. Do not over tension the blade in order to under tensioning to eliminate back and forth, side to side blade movement as it cuts.
- Use proper blade for the cutting operation.
- After turning saw on, allow blade to come to full speed before attempting any cutting operation.
- Support workpiece properly and use a smooth steady feed to guide work through the cut. Use push sticks or push blocks when required.
- Keep hands away and out of line with moving parts.
- Always wear eye protection.

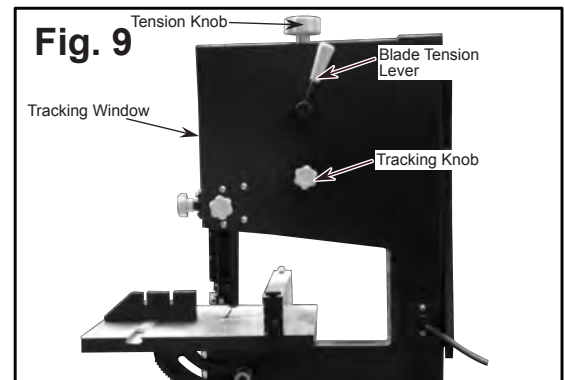
Removing blade (FIG.9)

▲ WARNING: Disconnect band saw from power source when changing or adjusting blades. Wear leather gloves when handling band saw blades. Never wear gloves when operating saw.

- Turn blade tension lever on the back of the tool clockwise all the way until it locks in position to release blade tension (see Figure 9).
- Release two latches on the side of the tool and open upper and lower doors.

▲ NOTE: When opening doors, make sure latches are completely free from tabs on frame.

- Remove table locking insert located in the front of the table slot, take out the released blade and replace with another blade.



Installing blade

- Although most of the adjustments are not changed when blade is removed, every adjustment should be checked prior to using a newly installed blade.
- Make sure blade teeth are pointing down towards table. Turn blade inside out if necessary.
- Slip new blade into table slot and over the upper and lower blade wheels. Slide blade in between blade guards.
- Tension blade by turning blade tensioning lever counterclockwise, as far as it will go (see Figure 9).

This is a spring loaded, tensioning mechanism and it will automatically apply required tension to the blade.

- Use the tension knob to make fine adjustments to blade tension.
- Close the doors and fasten latches.

VI. Operating instruction (continued)

▲ NOTE: When closing doors, make sure that the edges attempting to secure door. This is necessary for proper operation of dust collection system. The latches will not pull the doors and frame together.

- Install table insert.
- Track blade as described in the following sections.

Tracking blade

Refer to Figures 9 and 12.

▲ WARNING: Be very careful; Improperly tracked blade may spring out from wheels causing serious injury. Do not perform tracking adjustment while band saw is running.

- Disconnect band saw from power source.
- To check the blade tracking, rotate drive wheel by hand in clockwise direction. View blade through tracking window.
- Proper tracking is achieved when driver and idler wheels are aligned. Tracking knob on the back of the tool frame is used to tilt upper wheel and align blade wheels.
- If blade rides away from cabinet, turn knob clockwise. If blade rides toward cabinet, turn knob counterclockwise.
- When blade is tracking properly, secure position by tightening nut.

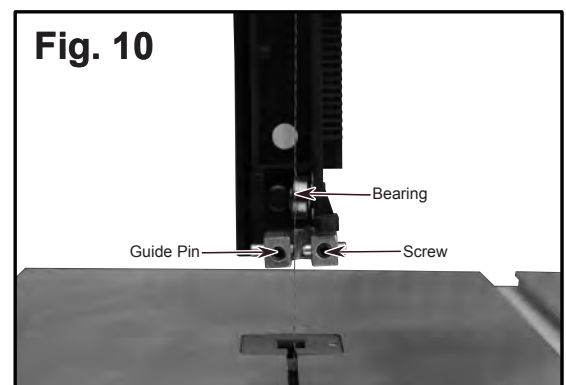
Blade guides

▲ NOTE: Adjust blade guides only after blade has been properly tensioned and tracked.

- Blade guides support blade at sides and rear of blade, and prevent twisting or deflection.
- Blade guides should not touch blade when no workpiece is in contact with blade. Adjust guides as described in following section.

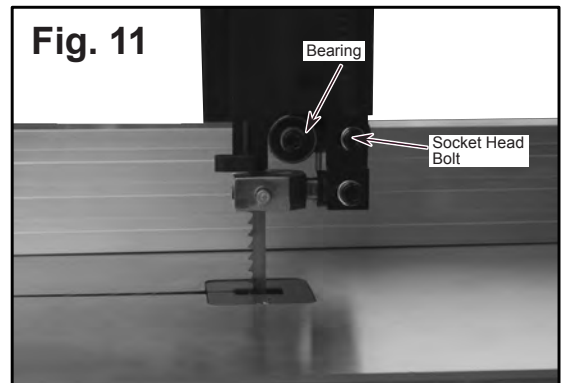
Upper blade guides (Fig.10-11)

- Upper blade guides employ guide pins for side support and a ball bearing for rear support.
- Loosen screws and adjust guide pins to sides of the blade (see Figure 10). Use a feeler gauge to check that guide pins are 0.002" away from blade.
- Lock adjustment by tightening screw.
- Adjust ball bearing at rear of blade by loosening socket head bolt and repositioning shaft (see Figure 11).



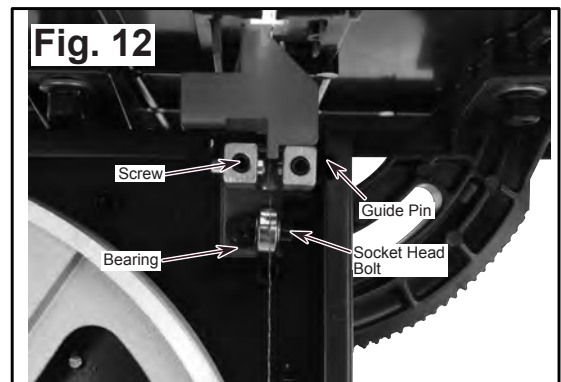
VI. Operating instruction (continued)

- Position ball bearing 0.002" away from back of blade.
- Secure position of bearing by tightening socket head bolt.
- Adjust the height of upper guide to clear the workpiece by $\frac{1}{4}$ ". Loosen upper guide knob and adjust height of upper guide until it clears workpiece by $\frac{1}{4}$ ". Tighten upper guide knob.



Lower blade guides (Fig.12)

- Lower blade guides employ guide pins for side support and bearing for rear support.
- Loosen screws (see Figure 12) and move guide pins away from blade sides.
- Loosen socket head bolts and adjust lower guide bracket position so that rear of blade is positioned 0.002" away from bearing.
- Tighten socket head bolts.
- Adjust guide pins to sides of the blade. Use a feeler gauge to check that guide pins are 0.002" away from blade.
- Lock adjustment by tightening screws.



Blade selection

- Blade vary depending on type of material, size of workpiece and type of cut that is being performed.
- Characteristics which make blades different are width, thickness and pitch.

Blade width

- Width of blade describes distance from tip of a tooth to back of blade.
- Width of blade affects rigidity of blade. A wider blade wanders less and produces a straighter cut.
- Width of blade also limits the smallest radius which can be cut. A $\frac{1}{4}$ " wide blade can cut about a $\frac{1}{2}$ " radius.

VI. Operating instruction (continued)

Blade Thickness

- Blade thickness describes the distance between sides of blade. A thicker blade has more rigidity and stronger teeth.
- A narrow thick blade is used to cut curves while a wide thin blade is used to make long, straight cuts.

Blade pitch

- Pitch describes number of teeth per inch or tooth size. A blade with more teeth per inch produces a smoother cut.
- The type of material being cut determines number of teeth that should be in contact with the workpiece.
- For soft materials, the proper blade has between 6 to 8 teeth per inch.
- When cutting hard materials, where shocking is more detrimental, use a blade with 8 to 12 teeth per inch.
- There should always be at least three teeth in contact with cut to avoid shocking blade.
- Blade shocking occurs when pitch is too large and blade tooth encounters too much material. This can strip teeth from blade.
- Blade manufactures are prepared to supply information about blades for specific applications.

Type of cut

- Contour cutting is done by guiding workpiece free-handed to produce curved shapes.
- Bevelled cutting is done by tilting saw table and using proper work guide method.
- Regardless of which work guiding method is used, a workpiece which overhangs table by more than 5" needs proper support.

Contour sawing

- When contour sawing, use both hands to keep workpiece flat against table and guided along desired path.
- Avoid positioning hands in line with blade. If hands slip, they could contact blade.
- Try to stand to front of the saw and use hands over the portion of table that is to right of blade and before cut.
- Cut small corners by sawing around them. Saw to remove scrap until desired shape is obtained.

VI. Operating instruction (continued)

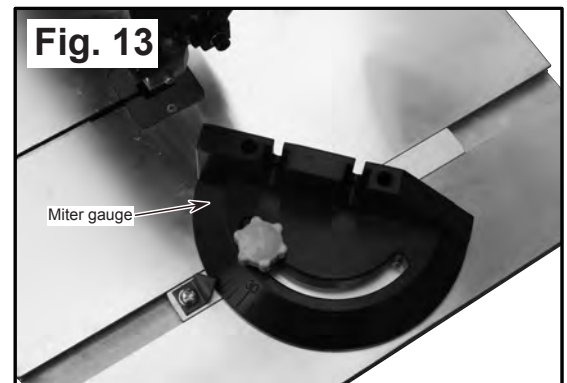
Bevel cutting

- Perform bevel cutting by tilting table to desired degree.
- Unlock table by loosening locking handle located on the backside of the unit.
- Tilt table to desired position by rotating knob.
- Lock table in position by tightening locking handle.

Miter gauge (Fig.13)

Use miter gauge for securing and holding workpiece at desired angle to produce angled cuts. Use scale to adjust gauge to desired angle.

▲ WARNING: Never use miter gauge and rip fence at the same time. The blade might bind in the workpiece. Operator could be injured and/or workpiece could be damaged.



Push stick

When cutting the smaller workpieces, you can operate by using the push stick for your safety.

Blade cleaning brush

Make sure that brush is in contact with blade to properly remove foreign particles from drive wheel.

VII. Maintenance

▲WARNING:

Make certain that unit is disconnected from power source before attempting to service or remove any component.

Cleaning

- Keep machine and workshop clean. Do not allow sawdust to accumulate on band saw.
- Keep wheels clean. Debris on wheels will cause poor tracking and blade slippage.
- Keep mechanisms and threaded or sliding surfaces clean and free of foreign particles.
- Operate band saw with a dust collector to minimize clean up.

Lubrication

- The shielded ball bearings are permanently lubricated and require no further lubrication.
- Small amounts of machine oil can be applied to belt tension mechanisms and threaded or sliding surfaces.
- Occasionally apply a coat of paste wax to tabletop to keep it slick and corrosion free.

Keep band saw in repair

- If power cord is worn or cut in any way, have it replaced.
- Replace any damaged or missing part.
- Use parts list to order parts.

VIII. Troubleshooting

This section describes problems and malfunctions that you should be able to resolve yourself.

▲ DANGER: Many accidents happen particularly in connection with problems and faults. Therefore please note:

1. Always unplug before servicing.
2. Check that all safety devices are operational again after each servicing.

SYMPTOM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
Excessive blade breakage	Material not secure on table	Squarely place work on table
	Blade too coarse for material	Use finer pitch blade
	Teeth in contact with work before sawing	Place blade in contact with work after saw is started and has reached full speed
	Misaligned guides	Adjust blade guides properly
	Blade too thick for wheel diameter	Use thinner blade
	Cracking at weld	Replace blade
Premature blade dulling	Blade too coarse	Use finer tooth blade
	Inadequate feed pressure	Gently increase pressure
	Hard spots or scale in or on material	Reduce speed; increase rate of feed for scale and change blades for hard spots
	Blade installed backwards	Remove blade, twist inside out and reinstall blade
Crooked cuts	Work not square	Use miter gauge; adjust tilt of table at 90°
	Rate of feed too great	Reduce rate of feed
	Blade guides not adjusted properly	Move both guide blocks within 0.002" from blade (use gauge)
	Upper blade guide too far from workpiece	Adjust upper guide to just clear workpiece by 1/4"
	Dull blade	Replace blade
	Blade guide assembly loose or blade thrust bearing loose	Tighten blade thrust bearing within 0.002" behind blade back
Rough cuts Blade is twisting or unusual wear on side/back of blade	Too much feed	Reduce feed
	Blade too coarse	Replace with finer blade
	Cut is binding blade	Decrease feed pressure
	Blade guides or bearing worn	Replace
	Blade guides or bearing not adjusted properly	Adjust blade guides; see "operation"
	Blade guide brackets loose	Tighten properly

VIII. Troubleshooting (continued)

SYMPTOM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
Teeth ripping from blade	Teeth too coarse for work	Use blade with finer teeth
	Rate of feed too great	Decrease feed rate
	Vibrating workpiece	Hold workpiece firmly
	Teeth filling with material	Use blade with coarser teeth
Motor running too hot	Blade too coarse for work (typical when cutting pipe)	Use blade with finer teeth
	Blade too fine for work (typical when cutting slick or soft material)	Use blade with coarser teeth
	Excessive dirt and chips	Clean thoroughly
Saw will not start	Loose electrical connections	Have qualified electrician check electrical connections

Contact service centre toll-free at 1-800-689-9928 when problems remain unsolved after performing the above checks.

IX. Warranty

3-Year Limited Warranty

This Mastercraft product is guaranteed for a period of 3 years from the date of original retail purchase against defects in workmanship and materials, except for the following component: Component A: Accessories, which are guaranteed for a period of 1-year from the date of original retail purchase against defects in workmanship and materials.

Subject to the conditions and limitations described below, this product, if returned to us with proof of purchase within the stated warranty period and if covered under this warranty, will be repaired or replaced (with the same model, or one of equal value or specification), at our option. We will bear the cost of any repair or replacement and any costs of labour relating thereto.

These warranties are subject to the following conditions and limitations:

- a) a bill of sale verifying the purchase and purchase date must be provided;
- b) this warranty will not apply to any product or part thereof which is worn or broken or which has become inoperative due to abuse, misuse, accidental damage, neglect or lack of proper installation, operation or maintenance (as outlined in the applicable owner's manual or operating instructions) or which is being used for industrial, professional, commercial or rental purposes;
- c) this warranty will not apply to normal wear and tear or to expendable parts or accessories that may be supplied with the product that are expected to become inoperative or unusable after a seasonable period of use;
- d) this warranty will not apply to routine maintenance and consumable items such as, but not limited to, fuel, lubricants, vacuum bags, blades, belts, sandpaper, bits, fluids, tune-ups or adjustments;
- e) this warranty will not apply where damage is caused by repairs made or attempted by others (i.e. persons not authorized by the manufacturer);
- f) this warranty will not apply to any product that was sold to the original purchaser as a reconditioned or refurbished product (unless otherwise specified in writing);
- g) this warranty will not apply to any product or part thereof if any part from another manufacturer is installed therein or any repairs or alterations have been made or attempted by unauthorized persons;
- h) this warranty will not apply to normal deterioration of the exterior finish, such as, but not limited to, scratches, dents, paint chips, or to any corrosion or discolouring by heat, abrasive and chemical cleaners; and
- i) this warranty will not apply to component parts sold by and identified as the product of another company, which shall be covered under the product manufacturer's warranty, if any.

Additional Limitations

This warranty applies only to the original purchaser and may not be transferred. Neither the retailer nor the manufacturer shall be liable for any other expense, loss or damage, including, without limitation, any indirect, incidental, consequential or exemplary damages arising in connection with the sale, use or inability to use this product.

Notice to Consumer

This warranty gives you specific legal rights, and you may have other rights, which may vary from province to province. The provisions contained in this warranty are not intended to limit, modify, take away from, disclaim or exclude any statutory warranties set forth in any applicable provincial or federal legislation.

X. Parts list

MASTERCRAFT® Band Saw

055-6748-6

When servicing your Mastercraft® Band Saw, use Mastercraft® replacement parts only. Use of any other parts may cause product damage. Any and all servicing of the band saw should be performed by a qualified service technician.

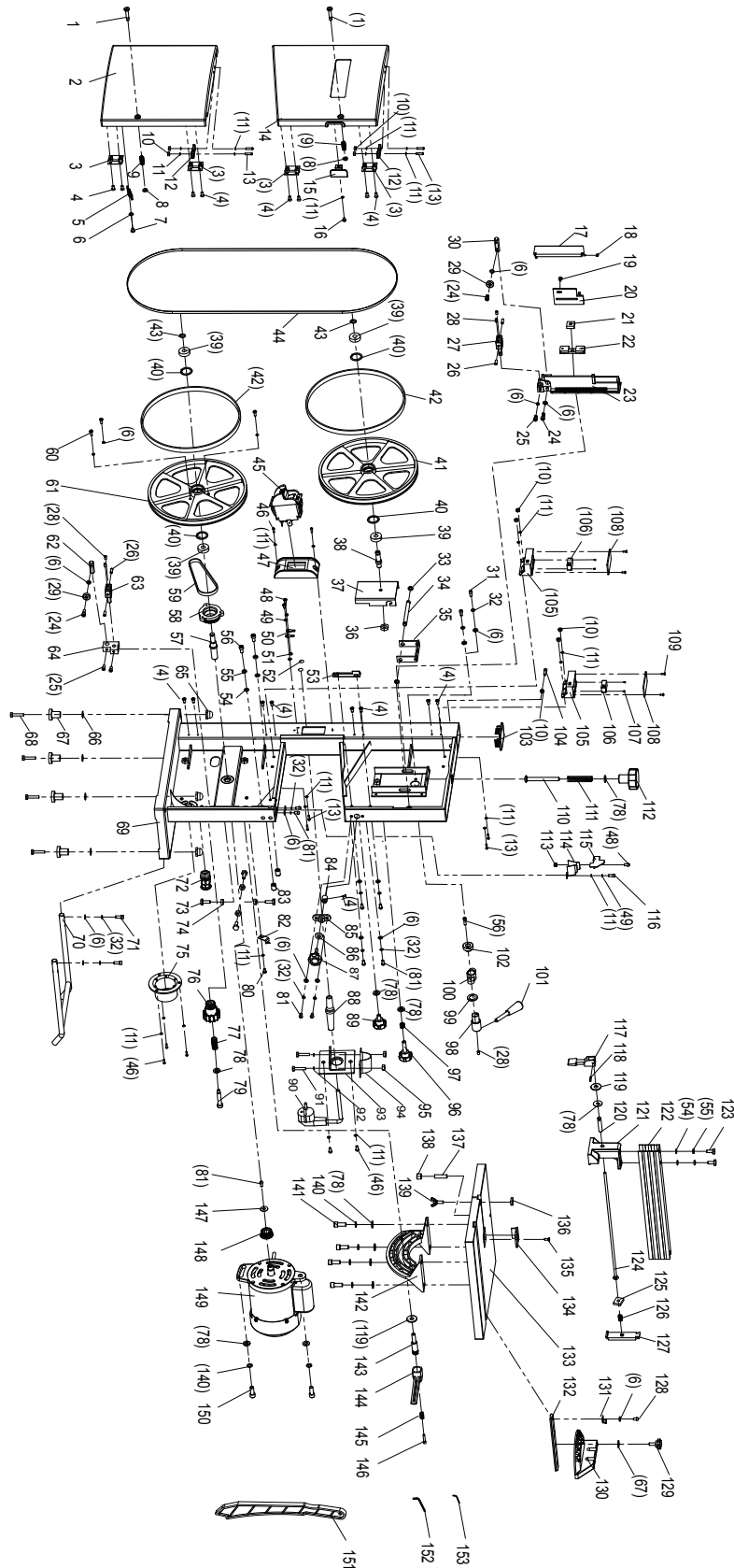
▲WARNING:

ANY ATTEMPT TO REPAIR OR REPLACE ELECTRICAL PARTS ON THIS TOOL MAY BE HAZARDOUS. REPAIRS SHOULD BE DONE BY A QUALIFIED SERVICE TECHNICIAN.

No	Description	Specification	Qty	No	Description	Specification	Qty
1	Bolt		2	39	Bearing	6002	4
2	Lower bezel panel		1	40	Retainer ring for hole	26	4
3	Hinge		4	41	Driven wheel		1
4	Cross-shaped sunk bolt	M4×6	17	42	Cog wheel		2
5	Brush		1	43	Retainer ring for shaft	10	2
6	Flat washer	5	21	44	Blade		1
7	Cross-shaped self-tapping bolt	ST3.9×13	1	45	Lock switch	HY7	1
8	Door holder		2	46	Cross-shaped bolt	M4×10	7
9	Door lock spring		2	47	Switch box		1
10	Nut	M4	8	48	Cross-shaped bolt	M4×8	3
11	Flat washer	4	26	49	Spring washer	4	3
12	Pressing paw		2	50	Grounding terminal		2
13	Cross-shaped bolt	M4×15	8	51	Dental pas	4	2
14	Upper bezel panel		1	52	Grounding signal		2
15	Bezel panel lens		1	53	Locking plate		1
16	Cross-shaped self-tapping bolt	ST4.2×6	1	54	Flat washer	6	4
17	Shield		1	55	Spring washer	6	4
18	Spring		1	56	Bolt	M6×12	3
19	Cross-shaped self-tapping bolt	ST2.9×8	1	57	Shaft for driving wheel		1
20	Sliding block (B)		1	58	Synchronize wheel (B)		1
21	Sliding block (C)		1	59	Synchronize belt		1
22	Sliding block (A)		1	60	Cross-shaped self-tapping	ST4.9×10	3
23	Up-down part		1	61	Driving wheel		1
24	Bolt	M5×16	2	62	Fixed pin (A)		1
25	Bolt	M5×12	3	63	Bracket (B)		1
26	Round pin		4	64	Lower fixed block		1
27	Bracket (A)		1	65	Cap nut	M6	4
28	Set screw	M6×8	5	66	Big flat washer	6	4
29	Bearing	606	2	67	Footing		4
30	Pin stop (B)		1	68	Hexagon bolt	M6×30	4
31	Bolt	M5×10	2	69	Body		1
32	Spring washer	5	12	70	Supporting		1
33	Split washer	8	2	71	Hexagon bolt	M5×20	2
34	Fixed pin		1	72	Clip		1
35	Fixed block		1	73	Hexagon bolt	M6×16	4
36	Nut	M10	1	74	Nut	M6	4
37	Moving block		1	75	Dust outlet		1
38	Shaft for driven wheel		1	76	Angle adjusting gear		1
				77	Spring		1
				78	Flat washer	8	11
				79	Bolt		1

X. Parts list (continued)

No	Description	Specification	Qty	No	Description	Specification	Qty
80	Bolt	M4×6	1	117	Clamp handle		1
81	Bolt	M5×10	9	118	Spring round pin	3	1
82	Indicator		1	119	Big flat washer	8	2
83	Locating sleeve		2	120	Connecting screw rod		1
84	Adjusting gear		1	121	Fixed pressing paw		1
85	Locating sleeve (A)		1	122	Guide tube		1
86	Wave shape washer	8	2	123	Hexagon bolt	M6×15	2
87	Up-down knob		1	124	Connecting rod		1
88	Protecting bush		1	125	Square washer (A)		1
89	Locking knob		1	126	Spring		1
90	Power cord		1	127	Movable clamp paw		1
91	Bolt	M3×16	2	128	Bolt	M5×8	1
92	Flat washer	3	2	129	Knob for mitre angle		1
93	Fixed plate assembly		1	130	Miter angle		1
94	Cord clip		1	131	Pointer		1
95	Nut	M3	2	132	Fence		1
96	Fine adjusting knob		1	133	Worktable		1
97	Spring		1	134	Table insert		1
98	Eccentricity shaft		1	135	Bolt	M3×8	1
99	Wave shape washer		1	136	Snap-gauge		1
100	Locating sleeve (B)		1	137	Bolt	M8×30	1
101	Compression handle		1	138	Cushion cap		1
102	Roller		1	139	Wing bolt	M6×15	1
103	Block		1	140	Spring washer	8	6
104	Bolt	M4×12	1	141	Bolt	M8×16	4
105	Box		2	142	Miter seat		1
106	Micro switch		2	143	Lock bolt		1
107	Bolt	ST2.9×13	4	144	Securing handle		1
108	Cover		2	145	Compression spring		1
109	Bolt	ST3.2×6	4	146	Bolt	M4×20	2
110	Square neck bolt	M8×80	1	147	Big flat washer	5	1
111	Compression spring		1	148	Synchronize wheel (A)		1
112	Swelling knob		1	149	Motor		1
113	Locknut	M 4	1	150	Bolt	M8×20	2
114	Lower shield (A)		1	151	Push stick		1
115	Lower shield (B)		1	152	Spanner	4	1
116	Bolt	M4×6	1	153	Spanner	3	1



Imported by Mastercraft Canada Toronto, Canada M4S 2B8