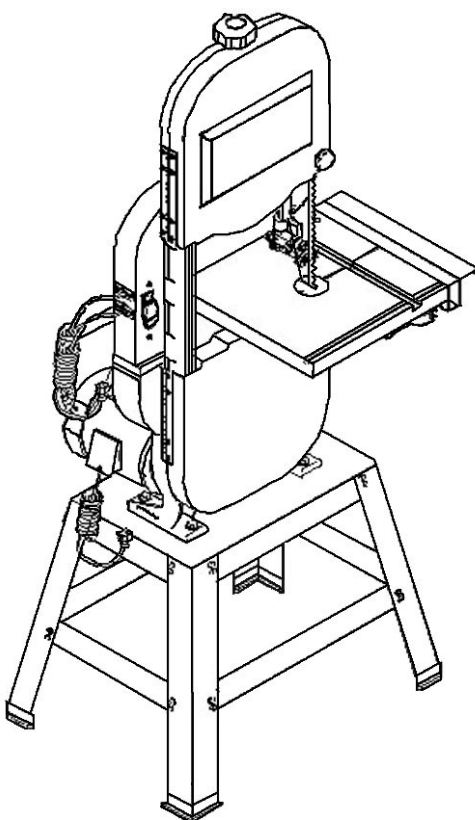


Model

CB 13F

Band Saw



INSTRUCTION MANUAL AND SAFETY INSTRUCTIONS

⚠ WARNING

Improper and unsafe use of this power tool can result in death or serious bodily injury!
This manual contains important information about product safety. Please read and understand this manual before operating the power tool. Please keep this manual available for others before they use the power tool.

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HITACHI AUTHORIZED SERVICE CENTERS

Service under this warranty is available from Hitachi Koki U.S.A., Ltd. at :

IN THE U.S.A.

3950 Steve Reynolds Blvd. Norcross, GA 30093

9409 Owensmouth Ave. Chatsworth, CA 91311

OR CALL: (800) 546-1666 for a service center nearest you.

IN CANADA

6395 Kestrel Road Mississauga, ON L5T 1Z5

OR CALL: (800) 970-2299 for a service center nearest you.

WARNING

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

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

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

PRODUCT SPECIFICATIONS

MOTOR

Power source	120 V, AC, 60 HZ, 7AMPS.
Speeds Low	1410 F.P.M
	(Feet per minute)
High	2600 F.P.M
Horsepower	1HP(Max. Developed)

DRIVE BELT

A 26

Cutting Capacity

Throat	12"
Height	5"

Blade

Width	1/8", 1/4", 3/8", 1/2"
Length	80"

Table

Size	13" x 13"
Tilt	0° Left — 45° Right

DUST COLLECTION Yes

NET WEIGHT 145.5 LB (66.0Kg.)

WARNING

To avoid electrical hazards, fire hazards, or damage to the tool, use proper circuit protection.

Use a separate electrical circuit for your tools.

Your Band Saw is wired at the factory for 120V operation. Connect to a 120V, 15 AMP branch circuit and use a 15 Amp time delay fuse or circuit breaker. To avoid shock or fire, replace power cord immediately if it is worn, cut or damaged in any way.

SAFETY

GENERAL SAFETY INSTRUCTIONS

BEFORE USING THE BAND SAW

Safety is a combination of common sense, staying alert and knowing how to use this Band Saw.

WARNING

To avoid mistakes that could cause serious injury, do not plug the Band Saw in until you have read and understood the following:

1. **READ** and become familiar with the entire Operator's Manual. **LEARN** the tool's application, limitations and possible hazards.
2. **KEEP GUARDS IN PLACE** and in working order.
3. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning ON.
4. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
5. **DON'T USE IN DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
6. **KEEP CHILDREN AWAY.** All visitors should be kept a safe distance from work area.
7. **MAKE WORKSHOP CHILD PROOF** with padlocks, master switches, or by removing starter keys.
8. **DON'T FORCE THE TOOL.** It will do the job better and safer at the rate for which it was designed.
9. **USE THE RIGHT TOOL.** Do not force tool or attachment to do a job for which it was not designed.
10. **USE PROPER EXTENSION CORD.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will result in a drop in line voltage and in loss of power that will cause the tool to overheat. The table on page 7 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
11. **WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry that may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering to contain long hair.
12. **ALWAYS WEAR EYE PROTECTION.** Any Band Saw can throw foreign objects into the eyes that could cause permanent eye damage. **ALWAYS** wear Safety Goggles (not glasses) that comply with ANSI Safety standard Z87.1 Everyday eyeglasses have only impact-resistance lenses. They **ARE NOT** safety glasses. Safety Goggles are available at HITACHI. **NOTE:** Glasses or goggles not in compliance with ANSI Z87.1 could cause serious injury.
13. **WEAR A FACE MASK OR DUST MASK.** Sawing operation produces dust.
14. **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
15. **DISCONNECT TOOLS** before servicing; when changing accessories such as blades, bits, cutters, and the like.
16. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure switch is in OFF position before plugging in.
17. **USE RECOMMENDED ACCESSORIES.** Consult the Operator's Manual for recommended accessories. The use of improper accessories may cause serious injury.
18. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
19. **CHECK FOR DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function – check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
20. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER "OFF".** Don't leave tool until it comes to a complete stop.
21. **DON'T OVERREACH.** Keep proper footing and balance at all times.
22. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
23. **DO NOT** use power tools in the presence of flammable liquids or gases.

24. **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.
25. **ALWAYS** operate the band saw in a well-ventilated area and provide for proper dust removal. Use dust collection systems whenever possible. Dust generated from certain materials can be hazardous to your health.

SPECIFIC SAFETY INSTRUCTIONS FOR BAND SAWS

1. **TO AVOID INJURY** from unexpected movement, make sure the saw is on a firm, level surface, properly secured to prevent rocking. Make sure there is adequate space for operating. Bolt the saw to a support surface to prevent slipping, walking, or sliding during operation.
2. **TURN** the saw OFF and unplug the saw before moving it.
3. **USE THE CORRECT** size and style of blade.
4. **USE** blades rated at 2700 FPM or greater.
5. **MAKE SURE** the blade teeth point down and towards the table.
6. **BLADE GUIDES, SUPPORT BEARINGS, AND BLADE TENSION** must be properly adjusted 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 is 1/8 inch above the work-piece.
7. **TABLE LOCK HANDLE** should be tight.
8. **USE EXTRA CAUTION** with large, very small or awkward work-pieces.
9. **USE EXTRA SUPPORTS** to prevent work-pieces from sliding off the table top. Never use another person to support the work-piece.
10. **WORK-PIECES** must be secured so they don't twist, rock, or slip while being cut.
11. **PLAN** intricate and small work carefully to avoid pinching the blade. Avoid awkward operation and hand positions to prevent accidental contact with the blade.
12. **SMALL PIECES** should be secured with jigs or fixtures. Do not hand hold pieces that are so small your fingers are under the blade guard.
13. **SUPPORT** round work properly (with a V-block or clamped to the miter gauge) to prevent it from rolling and the blade from biting.

14. **CUT** only one work-piece at a time. Make sure the table is clear of everything except the work-piece and its guides before you turn the saw on.
15. **ALWAYS WATCH** the saw run before each use. If there is excessive vibration or unusual noise, stop immediately. Turn the saw OFF. Unplug it immediately. Do not start the saw again until the problem has been located and corrected.
16. **TO FREE** any jammed material, turn the switch OFF. Remove the switch key and unplug the saw. Wait for all moving parts to stop before removing jammed material.
17. **DON'T LEAVE** the work area until all moving parts are stopped. To child-proof the workshop, shut OFF the power to master switches and remove the switch key from the band saw. Store it in a safe place, away from children.

WARNING

For your own safety, read the entire instruction manual before operating the band saw.

1. Wear eye protection.
2. Do not wear gloves, necktie, or loose clothing.
3. Make sure the saw is on a firm level surface and properly secured.
4. **USE ONLY THE RECOMMENDED ACCESSORIES.**
5. Use extra caution with very large, very small, or awkward work-pieces.
6. Keep hands away from the blade at all times to prevent accidental injury.
7. Do not remove jammed cutoff pieces until the blade has stopped.
8. Maintain proper adjustment of blade tension, blade guides and thrust bearings.
9. Adjust upper guide to just clear the work-piece.
10. Hold the work-piece firmly against the table.

ELECTRICAL REQUIREMENTS

POWER SUPPLY AND MOTOR SPECIFICATIONS

WARNING

To avoid electrical hazards, fire hazards, or damage to the tool, use proper circuit protection. Use a separate electrical circuit for your tools. Your saw is wired at the factory for 120V operation. Connect to a 120V, 15 Amp circuit and use a 15 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.

GROUNDING INSTRUCTIONS

WARNING

This tool must be grounded while in use to protect the operator from electrical shock.

IN THE EVENT OF A MALFUNCTION OR BREAKDOWN, grounding provides a path of least resistance for electric current and reduces the risk of electric shock. This tool is equipped with an electric cord that has an equipment-grounding conductor and a grounding plug. The plug **MUST** be plugged into a matching receptacle 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 the receptacle, have the proper receptacle installed by a qualified electrician.

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

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

USE ONLY 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug. Repair or replace damaged or worn cord immediately.

Use a separate electrical circuit for your tools. This circuit must not be less than # 12 wire and should be protected with a 15 Amp time delay 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.

This tool is intended for use on a circuit that has a receptacle like the one illustrated in Figure A. shows a 3-prong electrical plug and receptacle that has a grounding conductor. If a properly grounded receptacle is not available, an adapter (Figure B) can be used to temporarily connect this plug to a 2-contact ungrounded receptacle. The adapter (Figure B) has a rigid lug extending from it that **MUST** be connected to a permanent earth ground, such as a properly grounded receptacle box. **THE TEMPORARY ADAPTER SHOULD BE USED ONLY UNTIL A PROPER GROUNDED OUTLET CAN BE INSTALLED BY A QUALIFIED ELECTRICIAN.** The Canadian Electrical Code prohibits the use of adapters.

CAUTION: In all cases, make certain the receptacle is properly grounded. If you are not sure, have a qualified electrician check the receptacle.

 **WARNING**

This tool is for indoor use only. Do not expose to rain or use in damp locations.

Fig. A

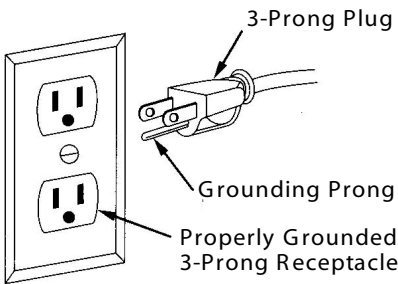
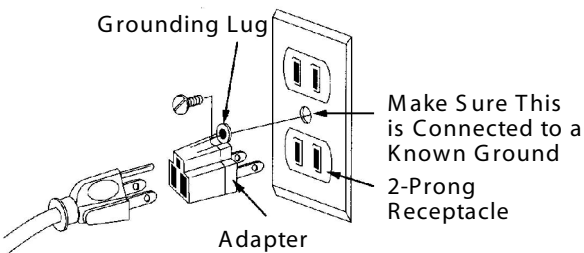


Fig. B



 **WARNING**

This band saw is for indoor use only. Do not expose to rain or use in damp locations

GUIDELINES FOR EXTENSION CORDS

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

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.

MINIMUM GAUGE FOR EXTENSION CORDS (AWG) (When using 120 Volt only)					
Ampere Rating		Total length in feet			
More Than	Not More Than	25'	50'	100'	150'
0	6	18	16	16	14
6	10	18	16	14	12
10	12	16	16	14	12
12	16	14	12	Not Applicable	

ACCESSORIES AND ATTACHMENTS

RECOMMENDED ACCESSORIES

WARNING

To avoid injury:

- Use only accessories recommended for this band saw.
- Follow instructions that accompany accessories. Use of improper accessories may cause hazards.

- Use only accessories designed for this band saw to avoid injury from thrown broken parts or workpieces.
- Do not use any accessory unless you have completely read the instruction or operator's manual for that accessory.

ITEM

Blade width: 1/8", 1/4", 3/8", 1/2"

Blade length: 80"

CARTON CONTENTS

UNPACKING AND CHECKING CONTENTS

Carefully unpack the band saw and all its parts, and compare against the illustration following. Place the saw on a secure surface and examine it carefully.

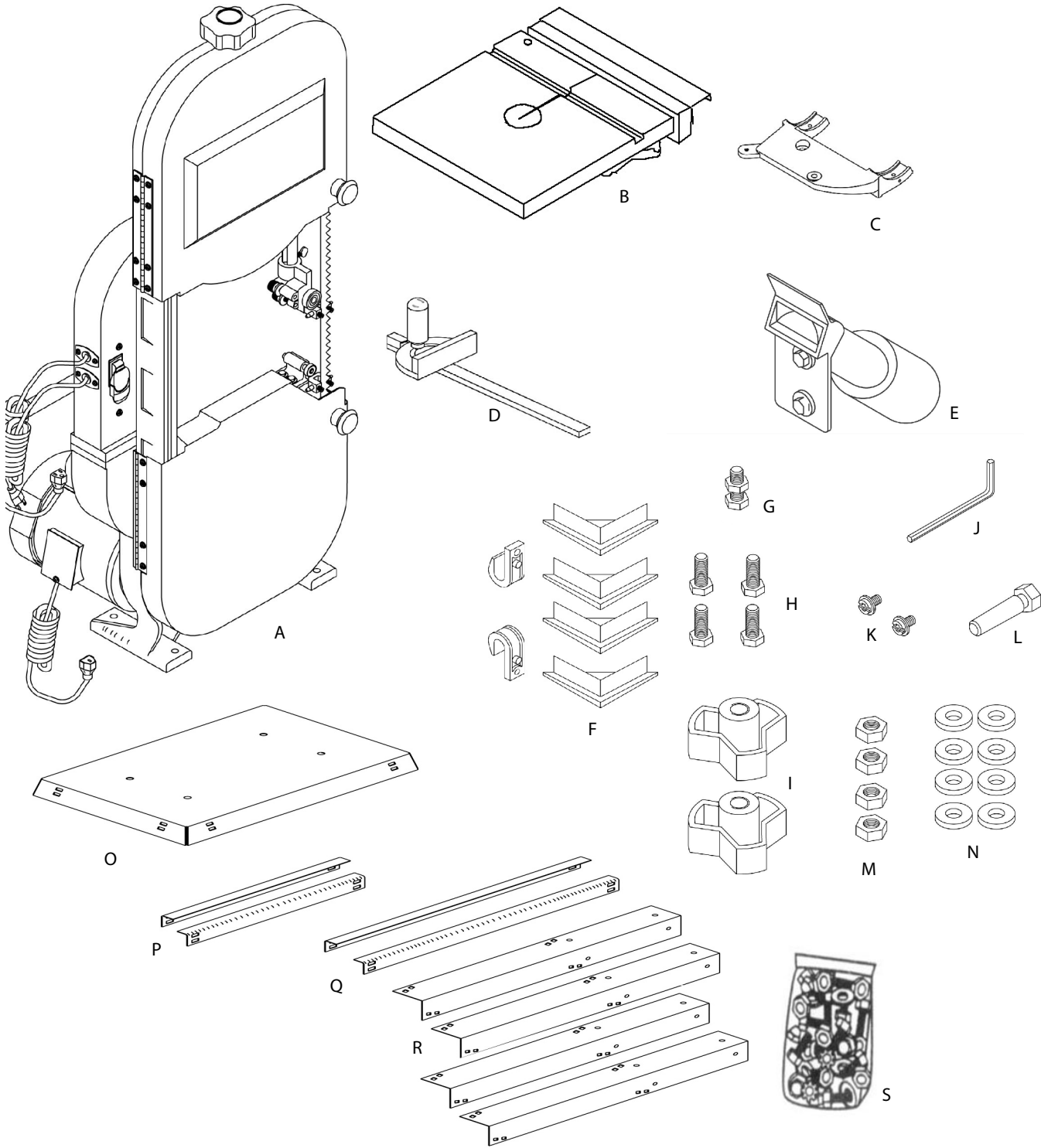
WARNING

- To avoid injury from unexpected starting, do not plug the power cord into a power source receptacle during unpacking and assembly. This cord must remain unplugged whenever you are assembling or adjusting the saw.
- Although compact, this saw is heavy. To avoid back injury, get help whenever you have to lift the saw.
- If any part is missing or damaged, do not plug the band saw in until the missing or damaged part is replaced, and assembly is complete.

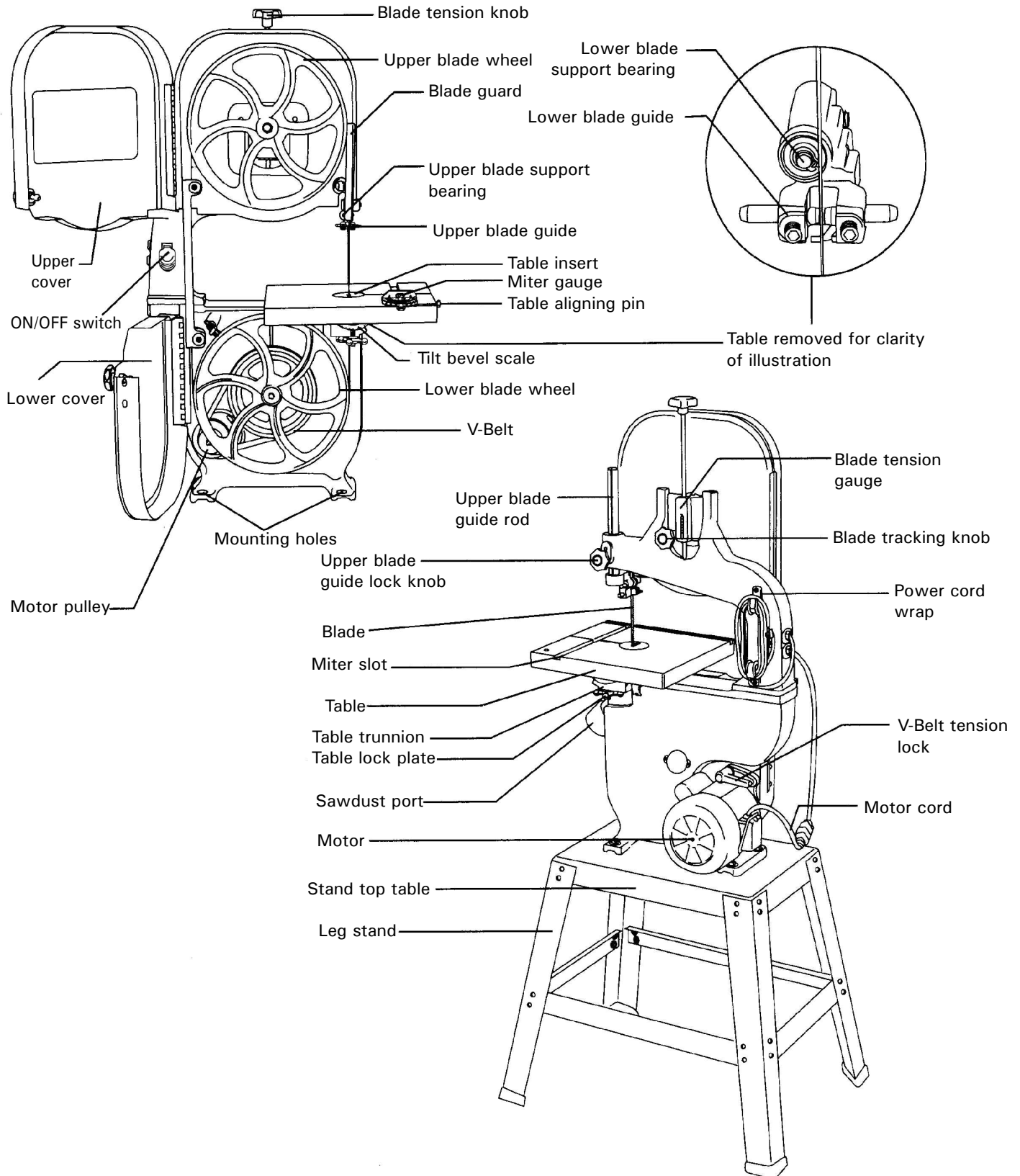
TABLE OF LOOSE PARTS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
BAND SAW:		
A.	Band saw with motor	1
B.	Table with extension wing	1
C.	Trunnion support bracket	1
D.	Miter gauge	1
E.	Sawdust port	1
F.	Power cord hooks	2
	Foot pads	4
G.	Hex. Bolt & nuts	1
H.	Hex. Bolt	4
I.	Knobs	2
J.	Hex. Key	1
K.	Screws	2
L.	Long hex. Bolt	1
M.	Hex. Nuts	4
N.	Large washers	8
LEG STAND:		
O.	Leg stand top plate	1
P.	Short lower brackets	2
Q.	Long lower brackets	2
R.	Legs	4
S.	Bag:	
	Carriage bolts	32
	Hex. Nuts	32
	Washers	32

UNPACKING YOUR BAND SAW



KNOW YOUR BAND SAW



GLOSSARY OF TERMS

BAND SAW TERMS

BLADE GUIDES — Support the blade and keep it from twisting during operation. Blade guides must be adjusted when blade is changed or replaced.

BLADE TENSION KNOB — Controls the amount of blade tension when changing blades.

BLADE TRACKING KNOB — Adjusts blade position so blade always runs in the center of the wheel.

ON/OFF SWITCH — Has a built-in child safety lock. To lock the switch in the OFF position, remove the switch key from the switch.

RELIEF CUT — Removal of waste material by a cut from the outside edge, allowing easier cutting of intricate curves.

SAWDUST PORT — Helps keep the machine free from sawdust. The sawdust port makes an excellent hook-up for a wet/dry vacuum.

TABLE LOCK KNOB — Locks the table in place.

TILT (BEVEL) SCALE — Shows the degree the table is tilted for bevel cutting.

UPPER GUIDE LOCK KNOB — Locks the upper slide. Use it after adjusting the upper guide assembly to make sure upper blade guide just clears workpiece before cutting. Upper guide lock knob must be tightened before the band saw is turned on.

WOODWORKING TERMS

BEVEL CUT — An angle cut made through the face of a workpiece.

COMPOUND CUT — A simultaneous bevel and miter cut.

CROSSCUT — A cut made across the width of the workpiece.

F.P.M. — Feet per minute. Used in reference to the surface speed of the saw blade.

FREE HAND — Performing a cut without using a fence (guide), hold-down or other proper device to prevent the workpiece from twisting during the cutting operation.

GUM — A sticky sap-based residue from wood products.

HEEL — Misalignment of the blade.

KERF — The material removed by the blade in a through cut, or the slot produced by the blade in a non-through or partial cut.

LEADING EDGE — The front edge of the workpiece pushed into the cutting tool first.

MITER CUT — An angle cut made across the width of a workpiece.

RESAW — A cutting operation to reduce the thickness of the workpiece to make thinner workpiece.

RESIN — A sticky sap that has hardened.

RIPPING CUT — A cutting operation along the length of the workpiece.

R.P.M. — Revolutions per minute. The number of turns completed by a spinning object in one minute.

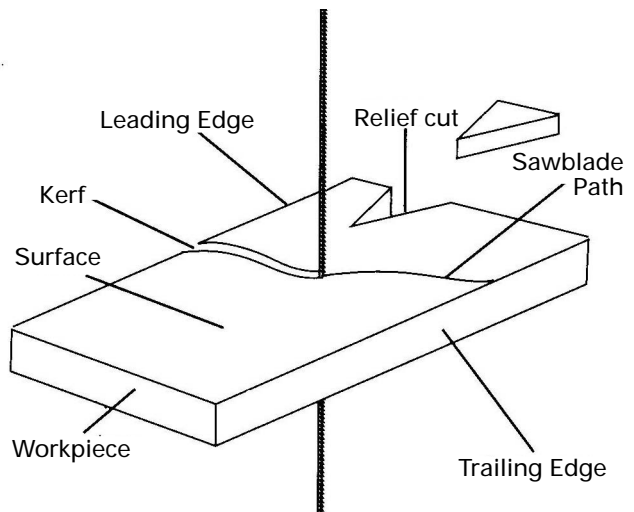
SAW BLADE PATH — The area of the workpiece or table top directly in line with the travel of the blade or the part of the workpiece that will be cut.

SET — The distance between two saw blade teeth tips, that are bent outward in opposite directions to each other. The further apart the tips are, the greater the set.

TRAILING EDGE — The workpiece edge last cut by the blade.

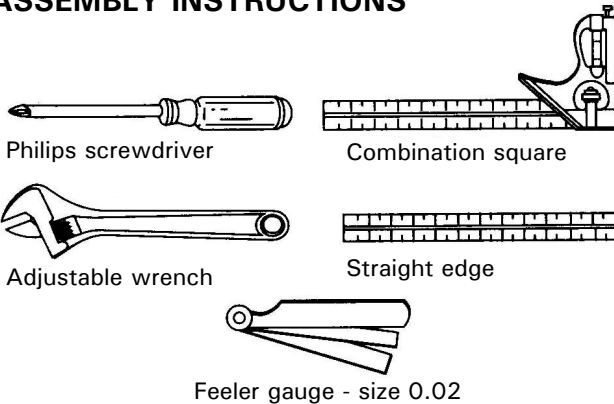
WORKPIECE — The item being cut. The surfaces of a workpiece are commonly referred to as faces, ends and edges.

WORKTABLE — The surface on which the workpiece rests while performing a cutting or sanding operation.



ASSEMBLY AND ADJUSTMENT

ESTIMATED ASSEMBLY TIME 35 ~ 50MINUTES
ASSEMBLY INSTRUCTIONS



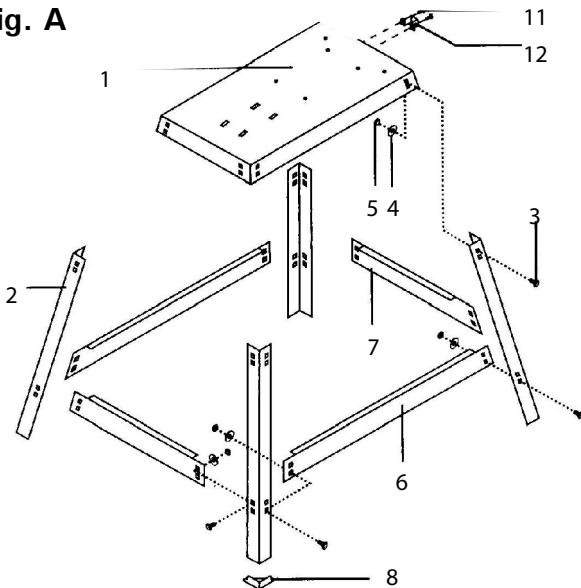
⚠ WARNING

For your safety, never connect plug to power source receptacle until all assembly and adjustment steps are completed, and you have read and understood the safety and operating instructions.

LEG STAND ASSEMBLY (Fig. A)

1. Lay the top plate (1) upside down on a flat surface.
2. Attach a leg (2) to the outside of the stand top plate with four carriage bolts (3), washers (4), and nuts (5). Do not tighten.
3. Repeat for the remaining three legs.
4. Attach two long brackets (6) and two short brackets (7) to the inside for the legs, using carriage bolts (3), washers (4), and nuts (5). Do not tighten.
5. Place the leg pads (8) on each leg and turn the leg stand upright on a firm level surface.
6. Adjust the stand for stability.

Fig. A



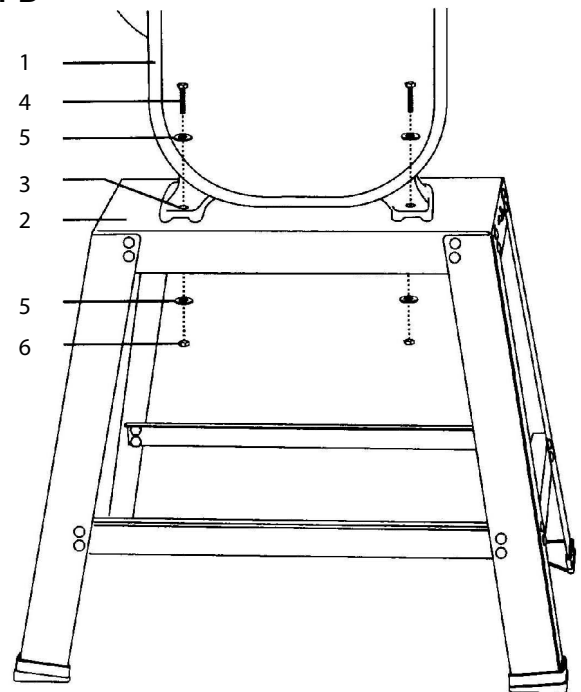
⚠ WARNING

Although compact, this saw is heavy. To avoid back injury, get help to lift the saw.

ASSEMBLE BAND SAW TO LEG STAND (Fig. B)

1. Lift the saw body (1) and place on the leg stand (2), aligning the mounting holes (3) of the saw base with the four mounting holes of the leg stand top plate.
2. Attach the band saw to the stand with four long hex head bolts (4) and four flat washers (5).
3. Place a flat washer (5) and hex nut (6) on each bolt from the underside. Hand tighten.
4. Tighten all mounting bolts and nuts with a wrench.
5. Tighten all leg stand bolts and nuts with a wrench.

Fig. B

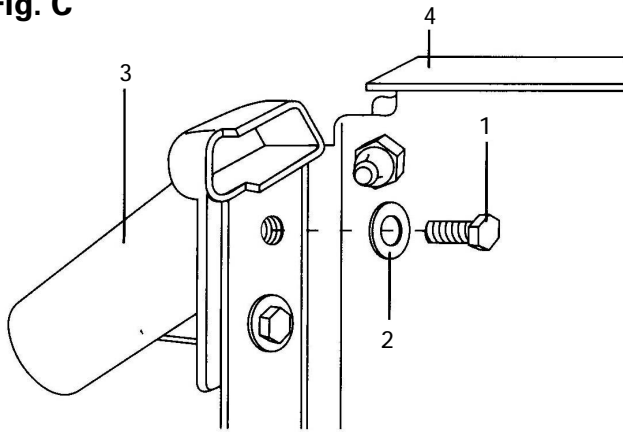


THE SAWDUST PORT (Fig. C)

The sawdust port has a 2-1/2" (O.D) / 2-1/4" (I.D) diameter opening, suitable for attaching to a wet / dry vacuum hose, to help keep the work area free of sawdust.

1. Remove the bolts (1) and washers (2) from the sawdust port (3).
2. Open the wheel cover (4).
3. Attach the sawdust port to the edge of the wheel cover, using the same hex. head bolts and washers.
4. Tighten the bolts and close the cover.

Fig. C

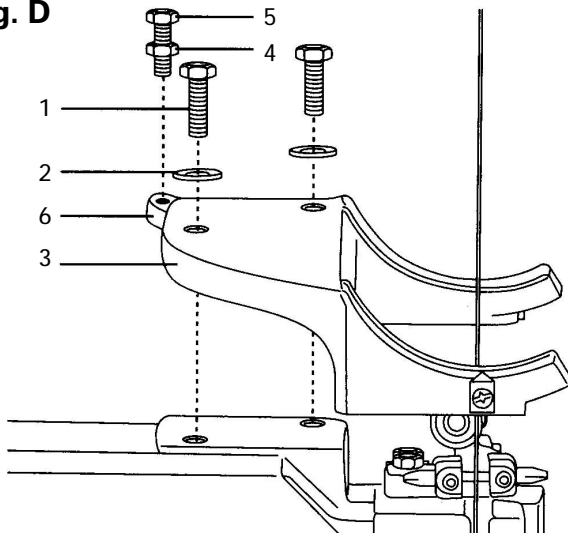


ASSEMBLE THE BAND SAW TABLE (Fig. D, E, F)

Mounting the trunnion support bracket (Fig. D)

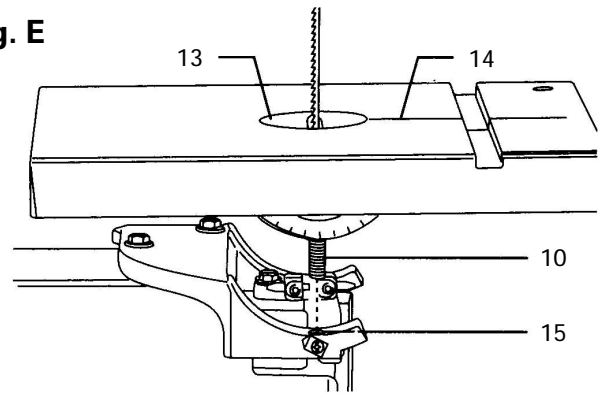
1. Remove the two hex head bolts (1) and washers (2), located on the lower band saw housing.
2. Place the trunnion support bracket (3) on the saw body, as shown, aligning the mounting holes.
3. Place the washers on the hex head bolts, and insert into the threaded holes, through the bracket and saw body. Tighten.
4. Thread a nut (4) onto the table stop bolt (5) and screw bolts into the rear tab (6) on the trunnion support bracket.
5. Tighten the nut down onto the bracket tab.

Fig. D



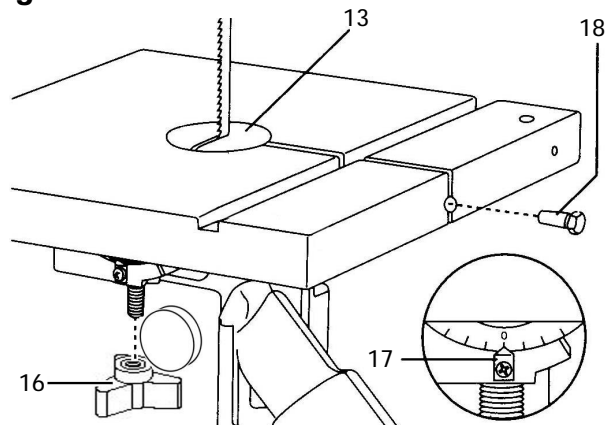
6. Turn the table right side up.
7. Remove the table insert (13) from the table.
8. Guide the table slot (14) over the saw table and rotates 1/4 turn, so the slot is perpendicular to the blade.
9. Placing the scale lock knob bolts (10) through the trunnion bracket holes (15) as shown, lower the table onto the trunnion bracket.

Fig. E



13. Place a lock knob (16) on each scale knob bolt adjust the table by aligning the zero scale mark to the scale pointer (17), and tighten the knob.
14. Replace the table insert (13), aligning the indents.
15. Place the table aligning pin (18) in the hole at the front of the table, and tighten.

Fig. F



INSTALLING AND REMOVING THE BLADE(Fig.G)

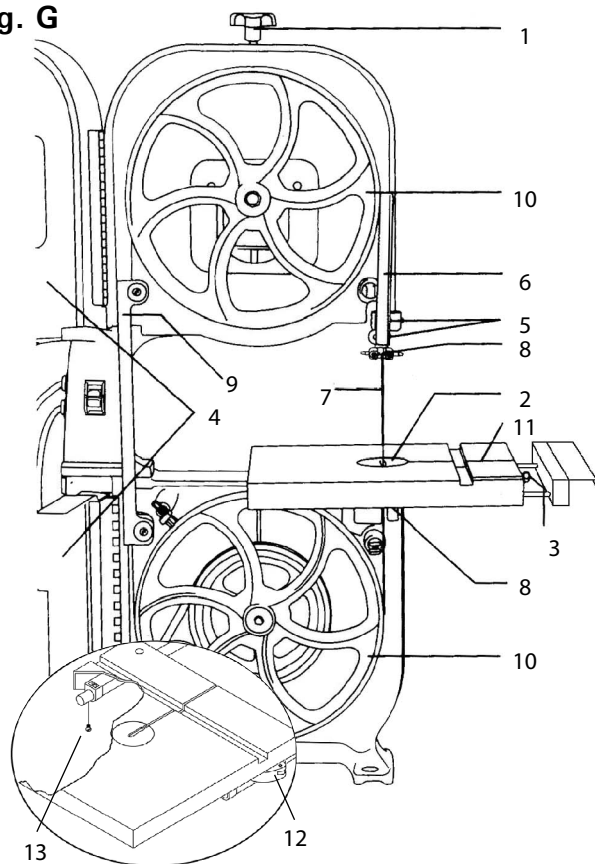
WARNING!

To avoid injury from accidental starting, always turn the switch OFF and remove the plus from the power source before moving, replacing, or adjusting the blade.

Removing

1. Loosen the blade tension by turning the blade tension knob (1) counterclockwise.
2. Remove the table insert (2) and the table aligning pin (3) from the table.
Unlock the lock knobs (12) under the table. Unfasten the screw (13) at the right of extension tube and remove the extension table from the table.
3. Open up wheel cover door (4).
4. Loosen the two Phillips screws (5) and remove the upper blade guard (6).
5. Release the lock knobs (12) under the table, then remove the screw (13) at the right of extension tube and the extension table.
6. Remove the blade (7) from the upper and lower blade guides (8).
7. Carefully pull the blade from the side slot (9) and from the wheels (10).
8. Swing the left side of the blade toward you, turning the blade so it will fit through the slot (11) in the table, and remove.

Fig. G



⚠ WARNING

Before operation always make sure the blade is in center of table insert slot.

Installing

1. Make sure the blade tension knob (1) turned counterclockwise until it stops.
2. Remove old blade as explained in "Removing".
3. Guide the new blade teeth are pointing forward and down.
NOTE: To avoiding lifting the workpiece, the blade teeth must point downward toward the table.
4. Swinging the left side off the blade away and back, place the blade on the upper and lower wheels (10).
5. Place the blade carefully between the upper and lower blade guides (8).
6. Slide the blade into the slot (9) at the left of the wheels, and make sure the blade is positioned at the middle of the wheels.
7. Turning the blade tension knob (1) clockwise, tighten the tension until the blade is tight on the wheels.
8. Replace the table insert (2) and the table aligning pin (3). Install the extension table and fasten the screw (13) at the right of extension tube. Lock the lock knobs (12) under the table.
9. Adjust the blade tracking and tension properly (See ADJUSTMENT INSTRUCTIONS section) before operation the band saw.

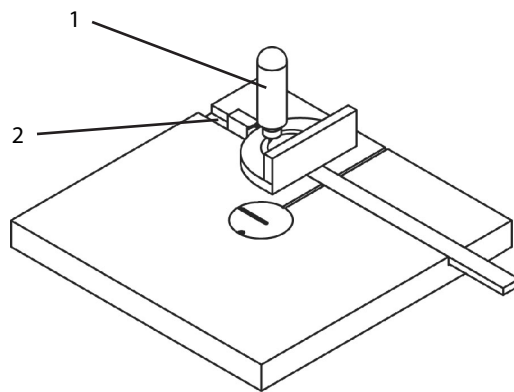
⚠ WARNING

To avoid injury, the blade tension, tracking, and upper and lower guides and bearings must be properly adjusted before operating the band saw. (See ADJUSTMENT INSTRUCTIONS section)

MITER GAUGE (Fig. H)

A miter gauge (1) is supplied with your band saw to be used in the table slot (2) on the right side of the blade. The miter gauge can be tilted 0 to 45 deg. right or left to maintain an accurate angle for your workpiece. A bracket is provided on the leg stand for convenient miter gauge storage.

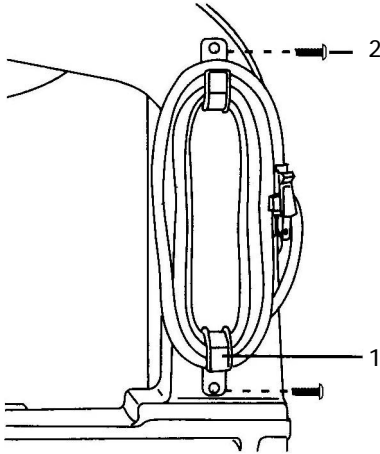
Fig. H



INSTALL POWER CORD BRACKETS (Fig. I)

1. Power cord brackets (1) are provided for convenient cord storage. Attach the power cord brackets to the back of the saw body, as shown, with two Phillips head screws (2). Tighten.
2. Wrap the power cord onto the brackets when the band saw is not in use, to prevent damage to the cord.

Fig. I



ADJUSTMENT INSTRUCTIONS

⚠ WARNING

To avoid injury, turn the switch OFF and unplug the band saw from the power source before making any adjustments.

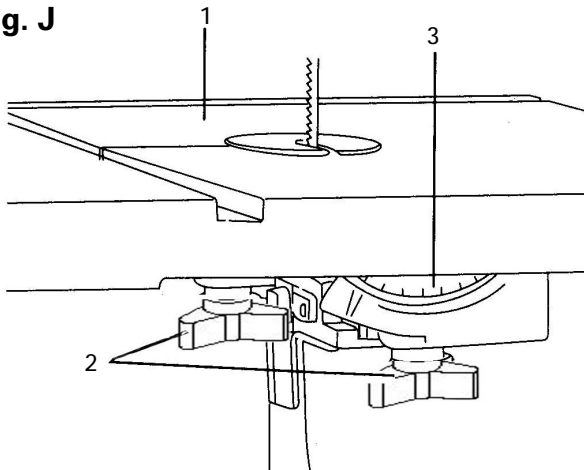
TABLE ADJUSTMENTS (Fig. J, K)

Tilting the table (Fig. J)

The band saw table (1) tilts 0° to 45° right

1. Loosen both table lock knobs (2) underneath the table.
2. Tilt the table to the desired angle on the scale (3) underneath the table.
3. Tighten the two table lock knobs.

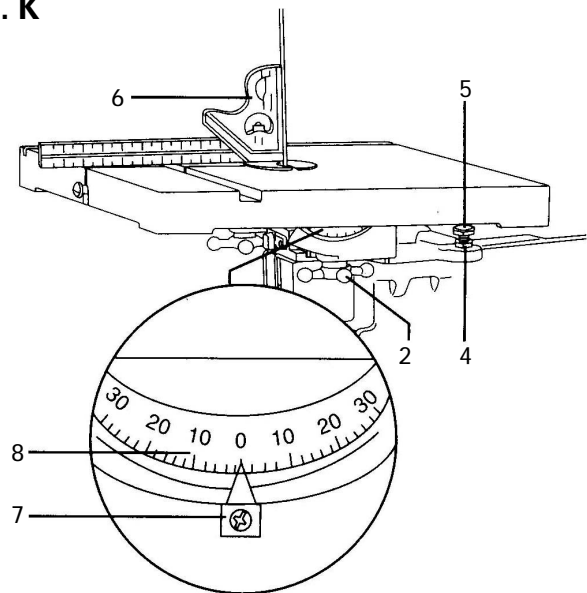
Fig. J



ADJUSTING THE 90° TABLE STOP (Fig. K)

1. Loosen the table lock knobs (2) and tilt the table to the right.
2. Loosen the nut (4) on the table stop bolt (5) and lower the stop bolt as far as possible.
3. Tilt the table until it rests on the stop bolt.
4. Place a combination square (6) on the table with the heel of the square against the saw blade.
5. Adjust the tilt of the table left or right until it is 90° to the blade. Make sure there is no space between the square and the blade. Tighten the table lock knobs.
6. Adjust the table stop bolt up until it touches the table.
7. Loosen the lock knobs and see that the table is resting on the stop bolt.
8. Check the square to make sure the table is still square to the blade. If not, readjustment the stop bolt.
9. When the adjustment is accurate at 90°, align the pointer (7) to 0° the scale (8)

Fig. K



BLADE TENSION(FIG. L)

⚠ WARNING

To avoid injury, turn the switch OFF and disconnect the saw from the power source before making any adjustments.

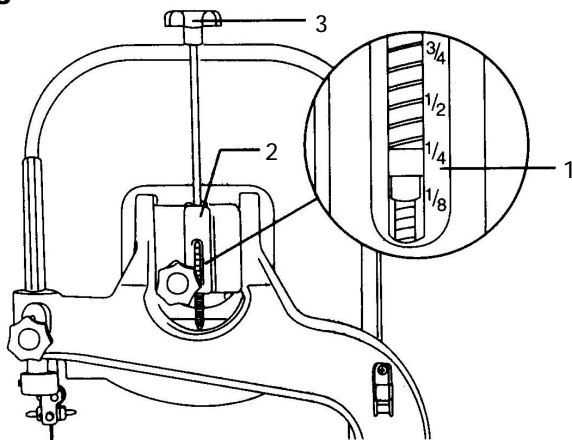
NEVER make tension adjustments with the machine running.

The gauge (1) on the bracket (2) at the rear of the upper wheel housing indicates the proper tension for the various blade widths.

1. Set the blade tension gauge to correspond with the width of the blade in use.
2. Turn the blade tension knob (3) clockwise, raising the upper wheel to tighten the blade. Turn the knob counterclockwise to lower the upper wheel, loosening the blade.
3. As you become familiar with the saw, you may want to change the tension settings.

NOTE: Changes in blade width and type of material being cut will have an effect on the blade tension. Too much or too little tension could break the blade. When the band saw is not in use, relax the blade tension.

Fig. L



BLADE TRACKING (FIG. M)

⚠ WARNING

To avoid injury, turn the switch OFF and disconnect the saw from the power source before making any adjustments.

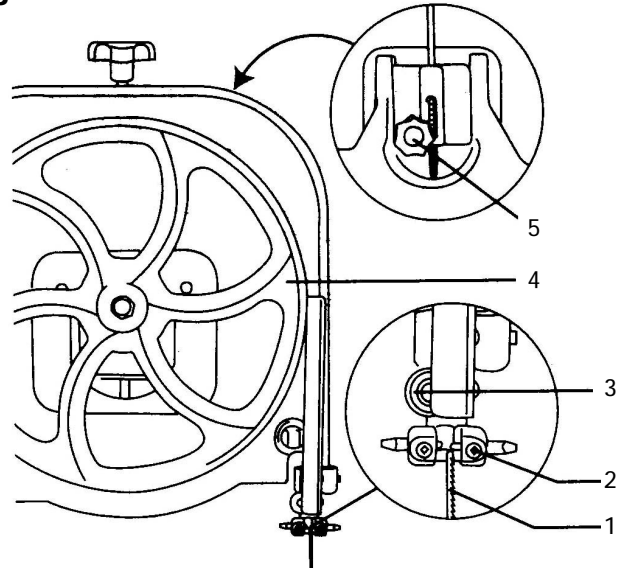
NEVER make tension adjustments with the machine running.

1. The blade (1) must be tensioned properly before adjusting the tracking.
2. Open blade (1) the upper cover.
3. Move the blade guides (2) and support bearings (3) away from the blade, if necessary. See page 15 for bearing and guide adjustment.
4. Rotate the wheel (4) slowly forward by hand, and check the position of the blade on the wheel. The blade should remain centered on the wheel as it turns.

5. If the blade moves toward the front of the wheel, turn the tracking knob (5) on the rear of the band saw clockwise. This tilts the top of the wheel and moves the blade toward the center.
6. If the blade moves toward the back edge, turn the tracking knob counterclockwise, moving the blade toward the center.

NOTE: Turn the tracking knob SLIGHTLY to make blade tracking adjustments.

Fig. M



UPPER BLADE GUIDE ASSEMBLY (FIG. N)

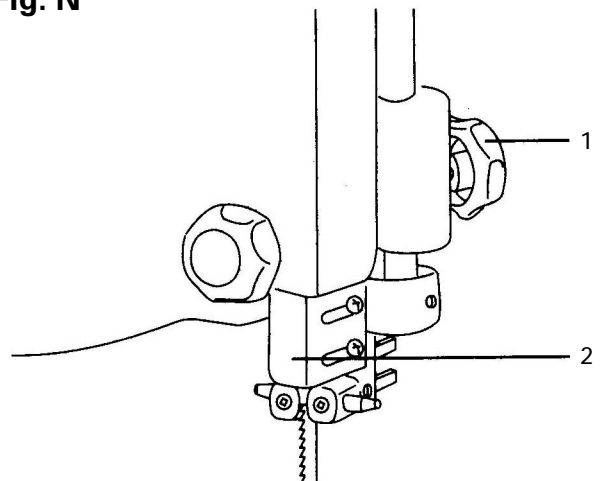
⚠ WARNING

To avoid injury, turn the switch OFF and disconnect the saw from the power source before making any adjustments.

NEVER make adjustments with the machine running;

1. Loosen the lock knob (1) and move the blade guide assembly (2) up or down to 1/8" above the workpiece.
2. Tighten the lock knob.

Fig. N



UPPER BLADE GUIDES AND BLADE SUPPORT BEARING (Fig. O, P)

⚠ WARNING

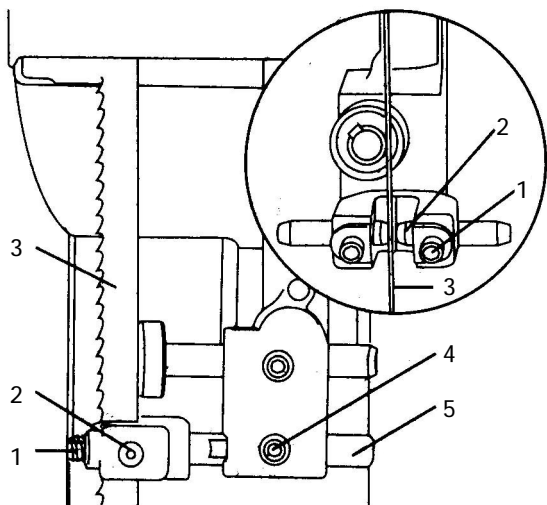
- The blade guard has been removed for clarity of illustration. To avoid injury never operate the band saw without all guards in place and in working order.
- To avoid injury, turn the switch OFF and disconnect the saw from the power source before making any adjustments. NEVER make adjustments with the machine running.

NOTE: Make sure the blade is tensioned and tracking properly. Adjust the blade guides and support bearing after each blade tension and tracking adjustment. When the upper blade guides and support bearings are adjusted, the lower guides and bearing should also be adjusted.

Blade guides (Fig. O)

1. Make sure the blade is tensioned and tracking properly.
2. Loosen the front hex socket screws (1) with a hex wrench.
3. Move the guides (2) as close to the blade (3) as possible without pinching it.
4. Using a feeler gauge, make sure the space between each guide and the blade measures 0.02". (the thickness of a dollar bill)
5. Tighten the hex socket screws.
6. Loosen the side hex socket screw (4) by turning counterclockwise.
7. Move the blade guides bracket shaft (5) in or out until the guides are at least 1/32" behind the blade teeth.
8. The guides must remain behind the blade teeth during operation to prevent damage to the saw blade.
9. Tighten the hex socket screw.

Fig. O

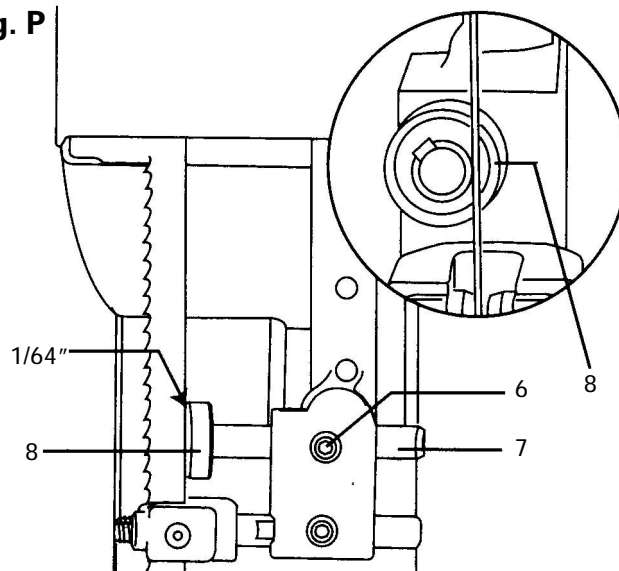


Support bearing (Fig. P)

10. Loosen the bearing hex socket screw (6).
11. Move the support bearing shaft (7) in or out, until the bearing (8) is 1/64" behind the blade.
12. Tighten the hex socket screw (6).

NOTE: The blade support bearing prevents the blade from moving back too far and damaging the saw teeth setting.

Fig. P



LOWER BLADE GUIDES AND SUPPORT BEARING

⚠ WARNING

To avoid injury, turn the switch OFF and disconnect the saw from the power source before making any adjustments.

NEVER make adjustments with the machine running.

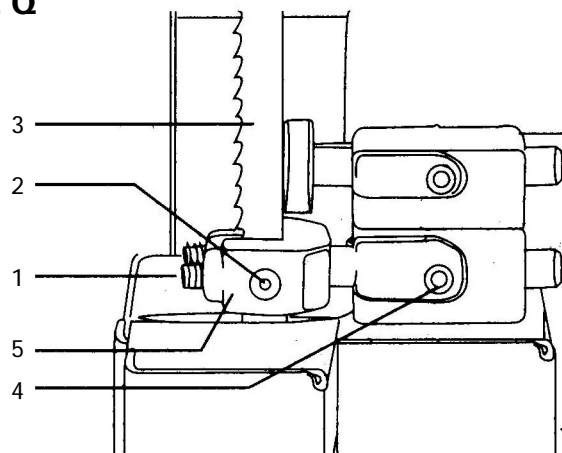
NOTE: Make sure the blade is tensioned and tracking properly.

The lower blade guides and support bearings should always be adjusted after the blade is tensioned, the tracking is adjusted, and the upper blade guides and upper support bearings are properly adjusted.

Blade guides (Fig. Q)

1. Loosen both front hex socket screws (1) with a hex wrench.
2. Move the guides (2) as close to the sides of the blade (3) as possible without pinching it.
3. Using the feeler gauge, measure the spaces between the guide and the blade. Adjust to 0.02"
4. Tighten the hex screws.
5. Loosen the side hex socket screw (4). Move the guide support bracket (5) in or out until the guides are at least 1/32" behind the saw teeth. Tighten the screw.

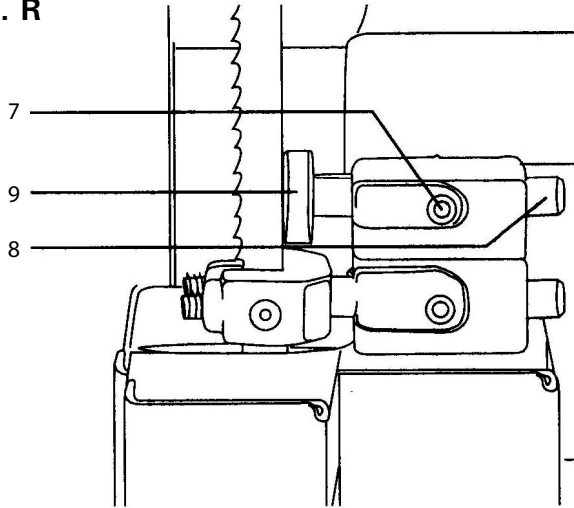
Fig. Q



Support bearing (Fig. R)

6. Loosen the bearing hex socket screw (7) with the hex wrench.
7. Move the blade support bearing shaft (8) in or out until the support bearing (9) is 1/64 " behind the saw blade.
8. Tighten the bearing hex socket screw.

Fig. R



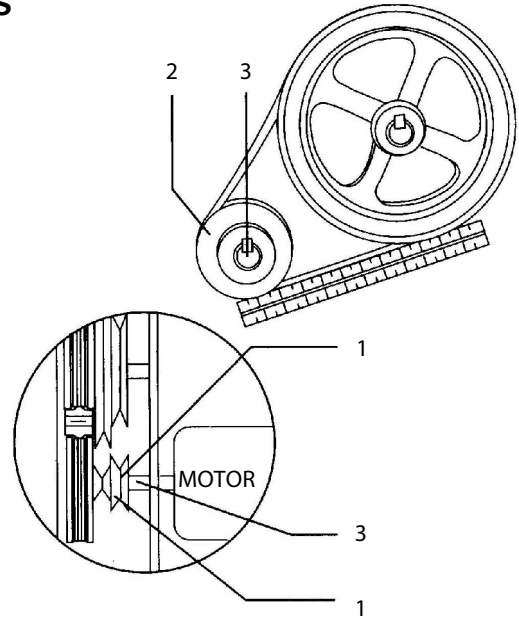
Pulley alignment (Fig. S)

The pulley alignment is adjusted properly at the factory and should not need readjustment.

If adjustment is needed, or the belt needs replacing:

1. Place a straight edge in the front groove of both pulleys, behind the blade wheel.
2. Turn the hex socket screw (1) in the side of the motor pulley (2) to loosen the pulley on the shaft.
3. Adjust the motor pulley in or out on the motor shaft (3) to align the edges of the two pulleys.
4. When aligned, tighten the hex socket screw on the side of the motor pulley.

Fig. S



OPERATION

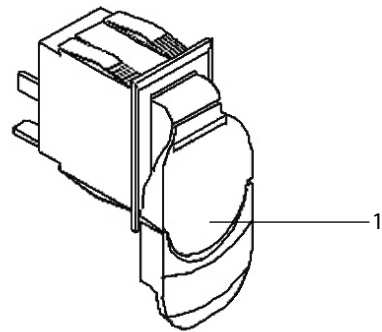
BASIC SAW OPERATIONS

ON / OFF SWITCH (Fig. T)

The keyed switch is intended to prevent unauthorized use of the band saw.

1. To turn the band saw ON insert the yellow key (1) into the key slot in the center of the switch.
2. Push the key firmly into the slot, then push switch to the ON position to start the band saw.
3. To turn the band saw OFF push the switch to the down position.
4. Remove the yellow switch key, when the saw has come to a complete stop, by gently pulling it outward.

Fig. T



WARNING

Remove the switch key whenever the saw is not in use. Place it in a safe place and out of reach of children.

USING THE TABLE EXTENSION (Fig. T-1)

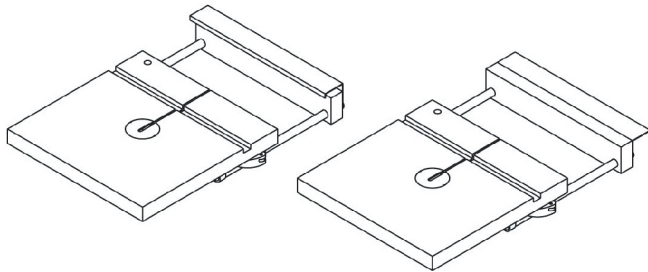
NOTE:

- A. For ripping 5-3/4" ~ 7-1/2" workpiece, the extension fence has to be installed in the IN-RIP position (Fig. P). Remove the lock handles (1) and fence. Place the fence on extension table as shown. Raise the fence to a position that just clears the table surface and secure in place using lock handles (1) for IN-RIP position.
- B. For ripping 7-1/2" ~ 12" workpiece, the extension fence has to be installed in the OUT-RIP position.

1. Release both cam locking levers.
2. Slide the table extension on the side your workpiece will be needing support, and tighten both cam locking levers.

Slide the extension out until the correct measurement is displayed on the tube scale. **GENERAL CUTTING**

Fig. T-1



⚠ WARNING

For your safety, read and understand all GENERAL and SPECIFIC SAFETY INSTRUCTIONS on pages 4-6 before using the band saw.

Operating band saws involves a certain amount of hazard. Before attempting regular work, use scrap lumber to check the settings and to get the feel of operating the band saw. Read instructions and plan your work before cutting a workpiece.

Do not turn the power ON until after you have made all adjustments, checked that the guard is in place, and turned the wheel by hand to make sure all parts work properly. Always keep the guide assembly close to your work, 1/8 "above the workpiece.

Do not force the workpiece, against the blade. Light contact permits easier cutting and prevents unwanted friction and heating of the blade.

Sharp saw blade need little pressure for cutting. Steadily move the workpiece against the blade without forcing it. To avoid twisting the blade, do not turn sharp comers, saw around corners.

A band saw is basically a "curve-cutting" saw. It is not capable of doing intricate inside cutting as can be done with a scroll saw.

It is also used for straight line operations such as crosscutting ripping , mitering, beveling, compound cutting, and resawing.

⚠ WARNING

To avoid blade breakage, fire or other damage or injury, NEVER use this band saw to cut ferrous metals.

CUTTING CURVES

When cutting curves, carefully turn the workpiece so the blade follows without twisting, If the curve is so sharp that you repeatedly back up and cut new kerf, use a narrower blade, or a blade with more set (teeth further apart). When a blade has more set, the workpiece turns easier but the cut is rougher.

When changing a cut, do not withdraw the workpiece from the blade. The blade may get drawn off the wheels.

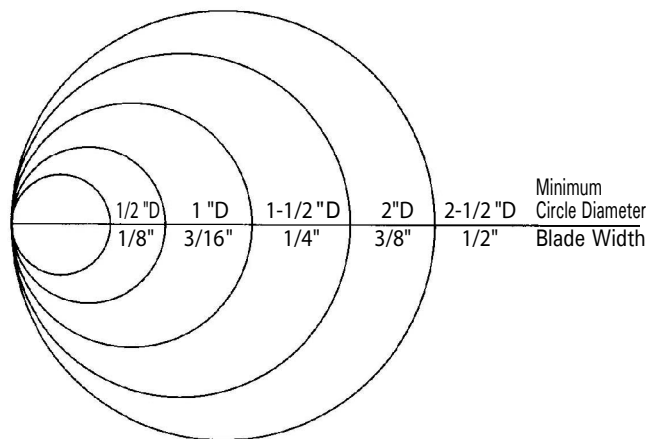
To change a cut, turn the workpiece and saw out through the scrap material area.

When cutting long curves, make relief cuts as you go along.

CIRCLE CUTTING (Fig. U)

1. Adjust the guide assembly to 1/8 " above the workpiece.
2. Use both hands while feeding the work into the blade. Hold the workpiece firmly against the table. Use gentle pressure. Do not force the work, ALLOW the blade to cut.
3. The smallest diameter circle that can be cut is determined by the width of the blade. For example, a 1/4 " wide blade will cut a minimum diameter of approximately 1-1/2 ".

Fig. U



BLADE SELECTION (FIG. V)

CAUTION: blade teeth are sharp. Use care when handling a saw blade.

For longest wear and best cutting results, use the correct blade thickness width, and temper for the type of material you will cut.

When sawing small curves and delicate work, use narrow blades. Otherwise, use the widest blade possible, For cutting wood and similar materials with this bandsaw, purchase blades in widths up to 1/2 ", and a length of 80 ".

Do not cut ferrous metals with this band saw.

Common causes of blade breakage:

- Poor guide alignment and adjustment.
- Forcing or twisting a wide blade around a short radius.
- Feeding too fast.
- Dull teeth or not enough set.
- Too much blade tension.

For longest wear and best cutting results, use the correct blade thickness width, and temper for the type of material you will cut.

When sawing small curves and delicate work, use narrow blades. Otherwise, use the widest blade possible. For cutting wood and similar materials with this bandsaw, purchase blades in widths up to 1/2", and a length of 80".

Do not cut ferrous metals with this band saw.

Common causes of blade breakage:

- Poor guide alignment and adjustment.
- Forcing or twisting a wide blade around a short radius.
- Feeding too fast.
- Dull teeth or not enough set.
- Too much blade tension.
- Setting top guide assembly too high above the workpiece.
- Lumpy or improperly finished braze or weld on the blade.
- Continuous running of blade when not cutting.

Fig. V

Operation	Recommended Blade Width (Inches)
Cross Cutting	1/4, 3/8, 1/2
Mitering	1/4, 3/8, 1/2
Beveling	1/4, 3/8, 1/2
Compound Cutting	1/4, 3/8, 1/2
Circle Cutting	See Fig. U
Curve Cutting	1/8, 1/4

BLADE SPEED SELECTION (Fig. W)

This band saw has two speed settings:

1. 2600 F.P.M for normal operation.
2. 1410 F.P.M for operation requiring more control.

RECOMMENDED SPEEDS

Fig. W

SPEED	APPLICATION	BLADETYPE
2600 F.P.M	1. Basic wood cutting 2. Resawing	1.Skip tooth type 2.Hook tooth type 3.Regular tooth blades
1410 F.P.M	1. Intricate wood cutting 2. Veneers, tiles, plastics 3. Nonferrous metals; brass, copper, aluminum	15 teeth per inch blades

CHANGING SPEED SETTING (Fig. X)

⚠ WARNING

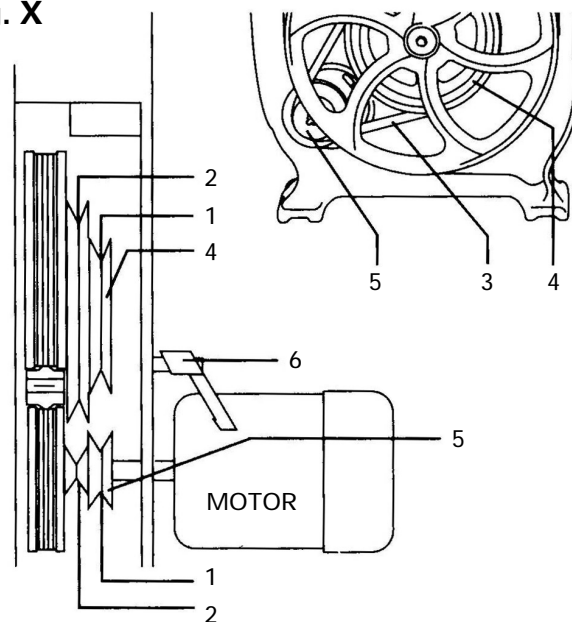
To avoid injury, turn the switch OFF and disconnect the saw from the power source before making any adjustments.

NEVER make adjustments with the machine running.

1. Loosen the belt tension by turning the tension lock handle (6).
2. Open the lower wheel cover and reposition the V-belt (3).
 - A. Changing the speed from 1410 to 2600 FPM: Remove the belt (3) from the band saw pulley (4) first, and reposition in the saw pulley groove(1). Next, remove the belt from the motor pulley (5) and reposition in the motor pulley groove (2).
 - B. Changing the speed from 2600 to 1410 FPM: Remove the belt (3) from the motor pulley (5) first, and reposition in the motor pulley groove (2). Remove the belt from the saw pulley (4) and Reposition in the saw pulley groove (2).
3. Tighten the belt tension by turning the tension lock handle (6).

NOTE: After readjusting belt position and belt tension, check and readjust the settings for the blade tension and tracking, guides and bearings (See ADJUSTMENT section).

Fig. X



⚠ WARNING

To avoid possible injury or damage, NEVER use this band saw to cut ferrous metals.

CAUTION: When cutting nonferrous metals, metal shavings can react with wood dust and start a fire. To avoid this:

1. Disconnect any dust collecting hose from the band saw.
2. Remove all traces of wood dust from inside the saw.
3. Remove all metal shaving from inside the saw before sawing wood again.

MAINTENANCE

GENERAL MAINTENANCE

⚠ WARNING

- For your own safety, turn switch OFF and remove the plug from power source receptacle before maintaining, cleaning, adjusting, or lubricating your band saw.
- To avoid fire or toxic reaction, never use gasoline, naphtha, acetone, lacquer thinner or similar highly volatile solvents to clean the band saw.
- To avoid eye injury from blowing debris, wear safety goggles when blowing out sawdust.

BAND SAW

Sawdust will accumulate under the table and base. This could cause difficulty in the movement of the table when setting up a band saw cut, and also cause a fire hazard. Frequently blow out or vacuum up the sawdust. Keep your band saw clean. Remove the sawdust from the inside. Vacuum or blow out frequently. Do not allow filth to build up on the table, the guides, or the support bearings. Clean them with gum and pitch remover.

NOTE: Do not immerse the support bearing in the gum and pitch remover.

Put a thin coat of paste wax on the table so that the wood slides easily while cutting.

TO INSTALL A NEW BELT (Fig. Y)

1. Open the lower wheel door.
2. Loosen the blade tension by turning the blade tension lock knob (1).
3. Remove the blade from the lower blade wheel.
4. Loosen and remove the hex head bolt (2) and flange (3) on the lower blade wheel.
5. Remove the lower blade wheel.
6. Turn the belt tension handle (4) on the rear of the saw housing to loosen the v-belt tension.
7. Remove the v-belt (5)
8. Check the alignment of the two pulleys.
9. If the edges of the two pulleys are not aligned, see: **ALIGN THE PULLEYS** in **ADJUSTMENT** section.
10. Place the new v-belt on the saw pulley and the motor pulley. See **OPERATION** section **"CHANGING SPEED SETTINGS"** on page for proper belt placement.
11. When positioned properly, tighten the v-belt tension by turning the tension lock handle.

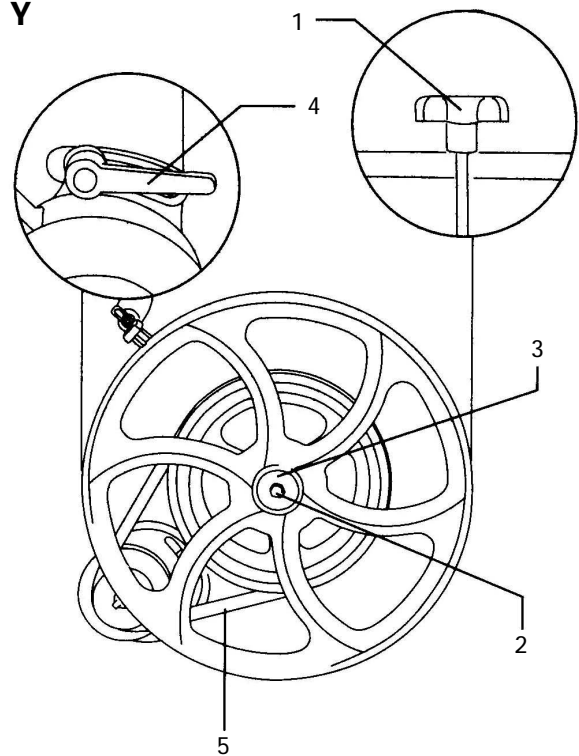
NOTE: The pulley belt is properly tensioned when there is 1/2" deflection if pressed in the center between the pulleys.

12. Replace the blade wheel. Push the wheel on firmly until it is touching the saw pulley. Replace and tighten the flange and nut.
13. Reinstall the blade (See **INSTALLING BLADES** Section on page).
14. Adjust the blade tension, tracking, and the upper and lower blade guides and bearings before operating the band saw.

⚠ WARNING

To avoid injury, the blade tension, tracking, and upper and lower guides and bearings must be properly adjusted before operating the band saw. (See **ADJUSTMENT INSTRUCTIONS** section)

Fig. Y



BLADE WHEEL TIRES

Pitch and sawdust that build up on the tires should be removed with a stiff brush or scrape off with a piece of Wood.

NOTE: To avoid damaging the tires do not use a sharp knife or any kind of solvent.

When the tires become worn they should be replaced.

When replacing the tires, stretch them around the wheels but do not glue them on.

MOTOR

Frequently blow or vacuum out any sawdust from the motor. Follow lubrication instruction on the motor label.

⚠ WARNING

To avoid electrocution or fire, immediately replace a worn, cut or damaged power cord.

LUBRICATION

All of the bearings are packed with grease at the factory. They require no further lubrication.

CAUTION: Never put lubricants on the blade while it is spinning.

TROUBLESHOOTING GUIDE

WARNING

- To avoid injury from an accidental start, turn the switch OFF and remove the plug from the power source before making any adjustments.
- All electrical or mechanical repairs should be done only by qualified service technicians. Contact Hitachi Authorized Service Center.

GENERAL

PROBLEM	PROBABLE CAUSE	REMEDY
Blade does not run in the center of the upper wheel.	1. Not tracking properly. 2. Defective blade.	1. Adjust tracking. See ASSEMBLY AND ADJUSTMENTS section BLADE TRACKING 2. Replace blade.
Band saw slows down when cutting.	1. Belt too loose. 2. Cutting too small a radius. 3. Dull blade. 4. Overloading motor.	1. Adjust belt tension. See ASSEMBLY AND ADJUSTMENTS section BLADE TENSION. 2. Stop feeding, back up the material slightly, until the band saw speeds up. 3. Replace blade. 4. Slow down, trying to cut too fast. See MOTOR TROUBLESHOOTING GUIDE on page 19.
Blades braking.	1. Too much tension on the blade. 2. Kink in the blade caused by cutting too small a radius or turning the material too fast when cutting	1. Adjust tension. See ASSEMBLY AND ADJUSTMENTS section BLADE TENSION 2. Use correct cutting technique. See OPERATION section GENERAL CUTTING.
Blade dulls too quickly.	1. Blade guides set too close to the teeth. 2. Cutting incorrect material.	1. Adjust upper and lower blade guides. 2. See OPERATION section BLADE SELECTION.
Band saw vibrates.	1. Too much tension on motor belt.	1. Adjust according to ASSEMBLY AND ADJUSTMENTS section, INSTALL THE BELT.

MOTOR

PROBLEM	PROBABLE	REMEDY
Noisy operation.	<ol style="list-style-type: none"> 1. Incorrect belt tension. 2. Loose motor pulley. 3. Loose pulley cover. 	<ol style="list-style-type: none"> 1. Adjust tension. See ASSEMBLY AND ADJUSTMENTS section INSTALL THE BELT. 2. Readjust and tighten motor pulley set screw. 3. Readjust and tighten pulley cover mounting screws.
Motor will not start.	<ol style="list-style-type: none"> 1. Not plugged into power outlet. 2. Switch and key not in ON position. 3. Motor cord cut or abraded. 4. Plug on cord is faulty. 5. Fuse on circuit breaks open. 6. Faulty motor. 	<ol style="list-style-type: none"> 1. Plug it into the power outlet. 2. Insert key and turn the switch ON. 3. Take to your Service Center for new cord. 4. Take to your Service Center for new plug. 5. Re-set; may be too many machines on line. 6. Take to your Service Center for repair or replacement.
Motor	<ol style="list-style-type: none"> 1. Too many electrical machines. 2. Incorrect fuse. 3. Wheels do not rotate. 4. Undersized extension cord. 5. Short circuit. 	<ol style="list-style-type: none"> 1. Turn off other machines and try again. 2. Try time delay fuse, or go to circuit with higher rated fuse or circuit breaker. 3. Unplug and turn wheels by hand, move obstruction. 4. Use correct size extension cord; see page 6. 5. Cord, plug, or motor need repair; take to your Service Center for repair.
Motor fails to develop full power.	<ol style="list-style-type: none"> 1. Low line voltage. 2. Faulty motor or capacitor. 	<ol style="list-style-type: none"> 1. Check power line for proper voltage. 2. Take to your Service Center for evaluation.
Motor overheats.	<ol style="list-style-type: none"> 1. Overload on motor. 2. Poor ventilation of motor. Provide better air circulation. 	<ol style="list-style-type: none"> 1. Reduce load to motor, feed work slower into blade. 2. Unplug and clean out around motor; provide better air circulation. 3. Take to your Service Center for repair.
Motor stalls or slows	<ol style="list-style-type: none"> 1. Motor overload. 2. Low line voltage. 3. Loose wire connections. 4. Faulty motor. 	<ol style="list-style-type: none"> 1. Reduce load to motor, feed work slower into blade. 2. Check power line for proper voltage. 3. Take to your Service Center for repair. 4. Take to your Service Center for repair.
Frequent blowing of fuses or breaking of circuit	<ol style="list-style-type: none"> 1. Motor overload. 2. Overload of electrical circuit. 3. Incorrect fuse or circuit breaker. 	<ol style="list-style-type: none"> 1. Reduce load to motor, feed work slower into blade. 2. Too many electrical appliances on same circuit. 3. Have electrician upgrade service to outlet.

PARTS LIST

12" BAND SAW

MODEL NO. CB13F

Always order by I.D. Number

PARTS LIST FOR SCHEMATIC A

I.D.	Description	Size	Qty	I.D.	Description	Size	Qty
X1VV	SCREW(CROSS HEAD)W/I WASHER	3/16*3/8	13	X22E	SET SCREW	1/4*1/2	4
X1W2	CROSS HEAD SCREW	3/16*1/4	2	X22F	SET SCREW(HEADLESS)	M6*16	1
X1ZU	STEEL BALL	1/4	1	X22H	HEADLESS CROSS SCREW	3/16*3/8	2
X217	BEARING SHAFT		2	X22K	CROSS HEAD SCREW	3/16*3/8	2
X218	SHAFT OF LOWER WHEEL		1	X22L	STRAIN RELIEF BUSHING	6N-4	2
X219	SHAFT OF UPPER WHEEL		1	X22M	SAFETY SWTTC	4P J9301A	1
X21A	POWER CORD STORAE		2	X22N	BALL BEARING	626ZZ	2
X21B	GUARD	ABS	1	X22P	BALL BEARING	6202ZZ	2
X21C	HEX. FIXTURE BOLT		2	X22Q	POWER CORD W/PLUG		1
X21D	CLIP HEAD		2	X22R	POWER CORD W/INSERT PLUG		1
X21E	BLADE GUARD, LOWER		1	X22S	BEARING COVER		1
X21F	PLASTIC BRUSH ASSY.		1	X22T	LOWER SUPPORT BKT		1
X21G	PIN		2	X22T	LOWER GUIDE HOLDER ASSY.		1
X21H	PIN FIXTURE BOLT		2	X22U	Y TYPE BLOCK		2
X21J	ADJUST KNOB ASSY.		1	X22V	UPPER GUIDE HOLDER ASSY.		1
X21K	UPPER WHEEL SHAFT HINGE		1	X22W	FRAME ARM COVER, LOWER		1
X21L	SLIDING BKT.		1	X22X	FRAME ARM COVER, UPPER		1
X21M	GUIDE POST (V TYPE)		1	X22Y	UPPER COVER, INNER		1
X21N	STEEL PIN	1/4*25	4	X22Z	UPPER ARM		1
X21P	PIN	1/4*16	2	X231	BASE		1
X21Q	ADJUST SPRING		1	X232	PLATE		2
X21R	SPRING		1	X233	COMPLETED MOTOR W/CORD		1
X21S	STAR KNOB	5/16*2	1	X23H	SPRING WASHER	3/16	2
X21T	KNOB	3/8*1-1/4	1	X23J	HEX.NUT	5/16	4
X21U	STAR KNOB	5/16*1-1/4	1	X23M	HEX.SCREW	5/16*1-1/4	4
X21V	C RING	S-15	1	X23R	SCREW (CROSS HEAD)W/I WASHER	3/16*1/4	2
X21W	KEY	5*5*54	1	X247	CROSS HEAD SCREW W/I WASHER	3/16*1/2	2
X21X	FLAT KEY	5*5*32.5	1	X25U	POST SEAT		1
X21Z	TOOTH WASHER	5	2	X25V	MOTOR LABEL		1
X221	STEEL WASHER	5/16-23*2.	2	X25W	GUIDE SUPPORT BRACKET BLADE GUARD		1
X221	FLAT WASHER	5/16*23	8	X25X	COPPER WASHER		2
X223	FLAT WASHER	3/8*23	1	X25Y	STEEL WASHER	3/16-14	4
X224	FLAT WASHER	3/8*19	1	X25Z	FLAT WASHER	3/4	2
X225	FLAT WASHER	1/4	2	X260	NYLON NUI	3/4	1
X227	SPRING WASHER	3/4	1	X261	HEX. SCREW	3/8*1-1/2	1
X228	SQUARE NUT		1	X262	HEX. SCREW	3/4*2-1/2	1
X229	BUTTERFLY NUT	5/16	1	X263	HEX. SCREW	1/4*3/4	2
X22B	HEX. NUT	3/4	1	X264	MOTOR PULLEY	ø50-ø76	1
X22C	SCREW (HEADLESS)	5/16*5/16	1	X26C	SPRING PIN	ø3X30	1
X22D	SET SCREW	1/4*1/4	5	X26P	STEEL WASHER	3/8*19	2

PARTS LIST FOR SCHEMATIC B

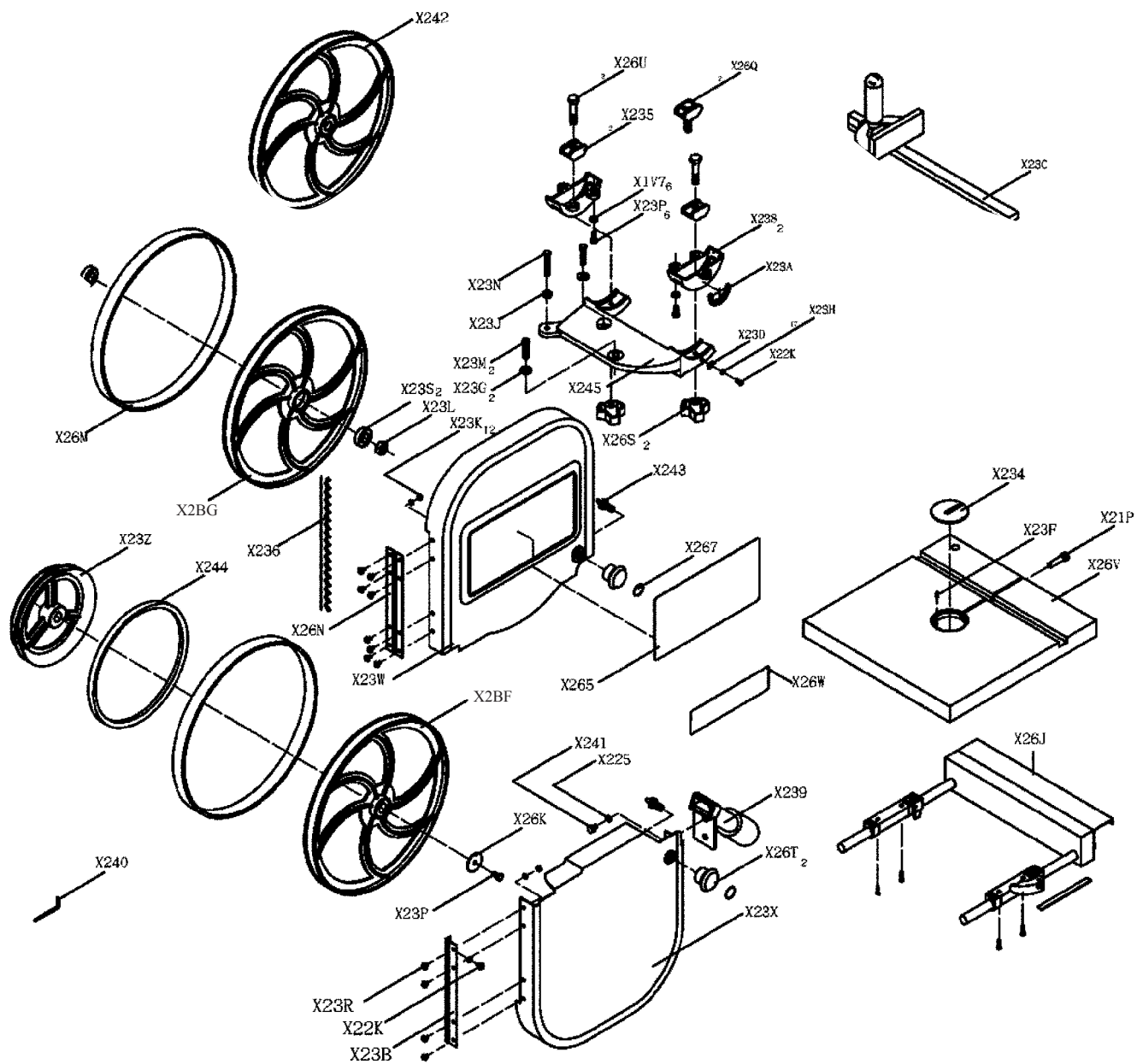
MODEL NO. CB13F

I.D.	Description	Size	Qty	I.D.	Description	Size	Qty
X1V7	SPRING WAHSER	5/16	6	X2BG	UPPER WHEEL		1
X21P	TABLE PIN		1	X23W	UPPER DOOR		1
X225	FLAT WASHER	1/4	2	X23X	LOWER DOOR		1
X22K	CROSS HEAD SCREW	3/16*3/8	1	X23Z	PULLEY	ø180-ø163	1
X22K	CROSS HEAD SCREW W/I WASHER	3/16*3/8	4	X240	HEX.WRENCH	3mm	1
X234	TABLE INSERT	2.5mm	1	X241	HEX. SCREW	1/4*1/4	2
X235	TRUNNION CLAMP SHOE		2	X242	UPPER WHEEL ASSEMBLY		1
X236	CUTTING BLADE	80*3/8*0.5	1	X243	SPRING CLIPPER		2
X238	TRUNNION		2	X244	V-BELT	A-26	1
X239	DUST COLLECTION HOSE		1	X245	TRUNNION BRACKET		1
X23A	SCALE	45°	1	X265	NAME PLATE		1
X23B	HINGE LOWER		1	X266	INSTRUCTION MANUAL		1
X23C	MITER GAUGE ASSY.		1	X267	PUSH/PULL LABLE		2
X23D	POINTER	MT-2000P	1	X26J	EXTENSION TUBE W/KNOB RIGHT		1
X23F	SPRING PIN	3*10	1	X26K	FLAT WASHER FOR LOWER WHEEL		1
X23G	HLAT WASHER	5/16*18	2	X26M	WHEEL PROTECTOR		2
X23H	SPRING WASHER	3/16	1	X26N	HINGE UPPER		1
X23J	HEX. NUT	5/16	1	X26Q	CLAMP SHOE ASSEMBLY		1
X23K	NUT	3/16	12	X26S	KNOB	10	2
X23L	HEX. NUT	1/2	1	X26T	KNOB	3/8	2
X23M	HEX. SCREW	5/16*1-1/4	2	X26U	HEX. SCREW	M10*40	2
X23N	HEX. SCREW	5/16*1	1	X26V	TABLE		1
X23P	HEX. SCREW	1/4*5/8	6	X26W	WARNING LABEL		1
X23P	HEX.SCREW	1/4*5/8	1				
X23R	CROSS HEAD SCREW W/WASHER	3/16*1/4	12				
X23S	BALL BEARING	6002ZZ	2				
X2BF	LOWER WHEEL		1				

12" BAND SAW

MODEL NO. CB13F

SCHEMATIC B

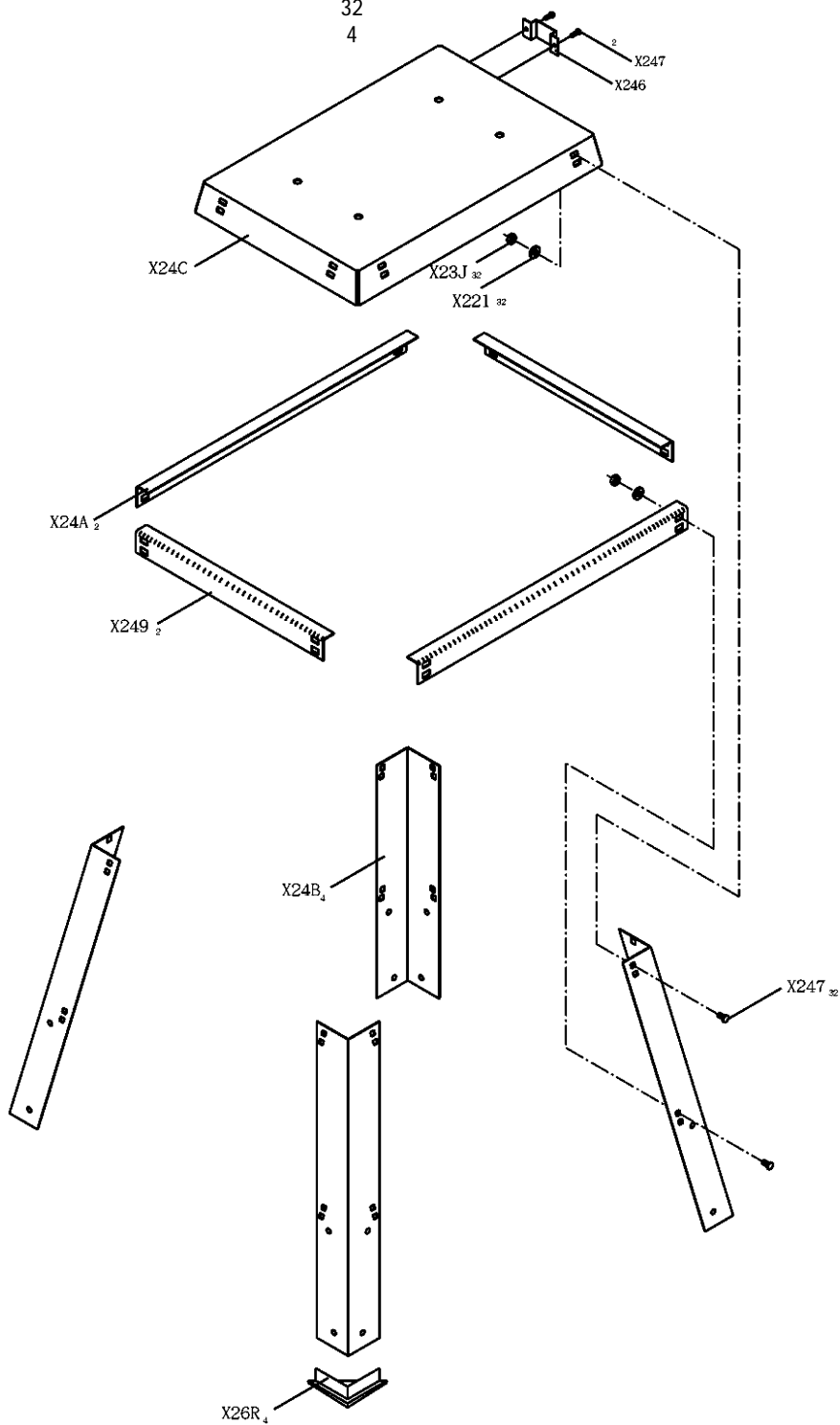


PARTS LIST FOR STAND

MODEL NO. CB13F

STAND

I.D.	Description	Size	Qty
X24C	STAND TOP PLATE		1
X24A	LOWER BRACKER (LONG)		2
X249	LOWER BRACKER (SHORT)		2
X24B	LEG		4
X246	MITER GAUGE STORAGE		1
X247	SCREW		2
X23J	NUT		32
X221	FLAT WASHER		32
X247	SCREW		32
X26R	PAD		4



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