

# Operator's Manual

# CRAFTSMAN®

## P R O F E S S I O N A L

## 14" BAND SAW

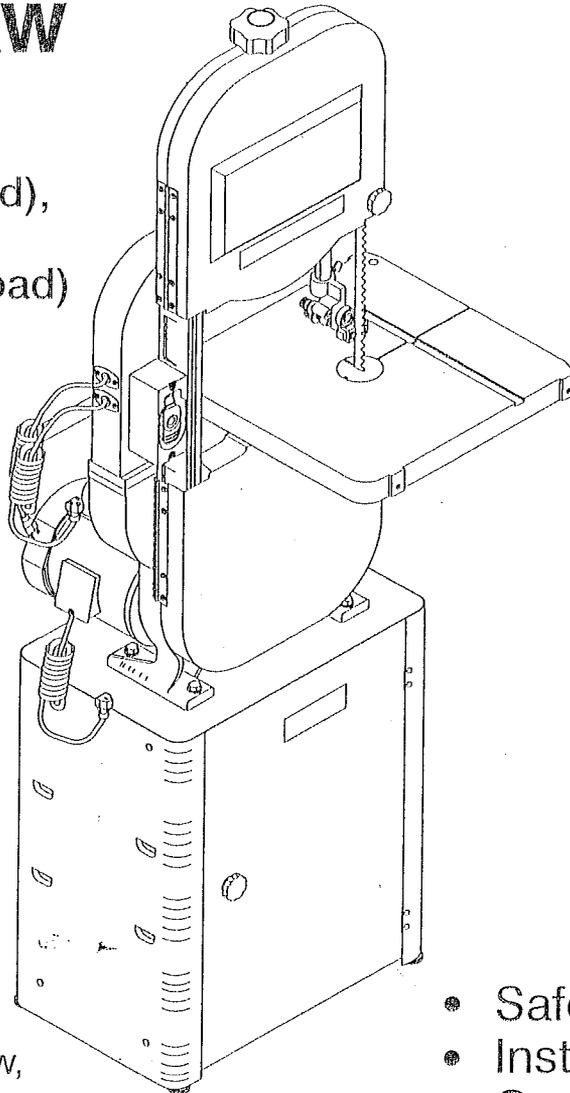
**MODEL NO.**

**137.224240**

1.5 HP (Max. Developed),

2 speed

1630/2730 F.P.M. (No load)



### CAUTION:

Before using this Band Saw, read this manual and follow all its Safety Rules and Operating Instructions.

- Safety Instructions
- Installation
- Operation
- Maintenance
- Parts List
- Spanish

**Customer Help Line  
1-800-843-1682**

**Sears, Roebuck and Co., Hoffman Estates, IL 60179 USA**

Part No. 137224240001

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## PRODUCT SPECIFICATIONS

### MOTOR

Power source .....	120 V AC, 60 HZ, 10 AMPS
Horsepower .....	1.5 HP (Max. Developed)
Speed .....	1630/2730 Feet per minute (No load)
Type .....	Induction

**DRIVE BELT** ..... A 26

### CUTTING CAPACITY

Throat .....	13-5/8"
Height .....	6"

### BLADE

Width .....	1/8", 1/4", 3/8", 1/2"
Length .....	91-1/2" to 93-1/2"

### TABLE

Size .....	16" x 16"
Tilt .....	0 - 15° Left, 0 - 45° Right

**DUST COLLECTION** .... Yes

**NET WEIGHT** ..... 230 LBS

### ▲ WARNING

To avoid electrical hazards, fire hazards, or damage to the tool, use proper circuit protection. Use a separate electrical circuit for your tools.

The 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.

## WARNING

### ▲ 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 and cement and other masonry products, and
- 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 those dust masks that are specially designed to filter out microscopic particles.

## GENERAL SAFETY INSTRUCTIONS

### BEFORE USING THE BAND SAW

Safety is a combination of common sense, staying alert and knowing how to use your 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 this entire instruction manual. **LEARN** the tool's applications, 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 A 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 at a safe distance from the 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.** Don't force tool or the 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 loss of power which will cause the tool to overheat. The table on page 5 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 which 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-resistant lenses. They ARE NOT safety glasses. Safety Goggles are available at Sears. 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, and when changing accessories, such as blades, bits, cutters, and the like.
16. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure the switch is in OFF position before plugging in.
17. **USE RECOMMENDED ACCESSORIES.** Consult the Operator's Manual for the recommended accessories. The use of improper accessories may cause risk of injury to persons.
18. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting blade 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.

## SAVE THESE INSTRUCTIONS

20. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN THE POWER OFF.** Don't leave the 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. 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. Use dust collection systems whenever possible.
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 workpiece at a time. Make sure the table is clear of everything except the workpiece 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.

## SPECIFIC SAFETY INSTRUCTIONS

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 it from 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 workpiece.
7. **TABLE LOCK HANDLE** should be tight.
8. **USE EXTRA CAUTION** with large, very small or awkward workpieces.
9. **USE EXTRA SUPPORTS** to prevent workpieces from sliding off the table top. Never use another person in place of a table extension, or to provide additional support for the workpiece.
10. **WORKPIECES** must be secured so they don't twist, rock, or slip while being cut.

17. **DON'T LEAVE** the work area until all moving parts are stopped. To childproof 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 workpieces.
6. Keep hands away from the blade at all times to prevent accidental injury.

## 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.

**SAVE THESE INSTRUCTIONS**

## 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 the 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 lag 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.

Fig. A

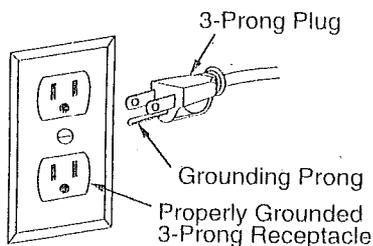
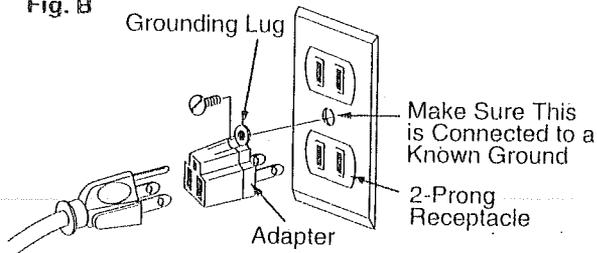


Fig. B



## 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 result in a drop in line voltage and in loss of power which will cause the tool to overheat. 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 volts only)					
Ampere Rating		Total length of cord 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 recommended	

### ⚠ WARNING

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

This tool is intended for use on a circuit that has a receptacle like the one illustrated in Fig. A. **Fig. A** shows a 3-prong electrical plug and receptacle that has a grounding conductor. If a properly grounded receptacle is not available, an adapter (**Fig. B**) can be used to temporarily connect this plug to a 2-contact ungrounded receptacle. The temporary adapter should be used only until a properly grounded receptacle can be installed by a qualified technician. The adapter (**Fig. 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 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.

## SAVE THESE INSTRUCTIONS

## ACCESSORIES AND ATTACHMENTS

### AVAILABLE ACCESSORIES

#### **⚠ WARNING**

Do not attempt to modify this tool or create accessories not recommended for use with this tool. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious injury.

Visit your Sears Hardware Department or see the Sears Power and Hand Tool Catalog for the following accessories:

#### **ITEM**

Miter gauge

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

Blade length: 91-1/2" to 93-1/2"

#### **⚠ WARNING**

Follow instructions that accompany accessories. Use of improper accessories may cause hazards.

Do not use any accessory unless you have completely read the instruction or Operator's Manual for that accessory.

## CARTON CONTENTS

### UNPACKING AND CHECKING CONTENTS

Carefully unpack the band saw and all its parts, and compare against the list below and the illustration on page 7. Place the saw on a secure surface and examine it carefully.

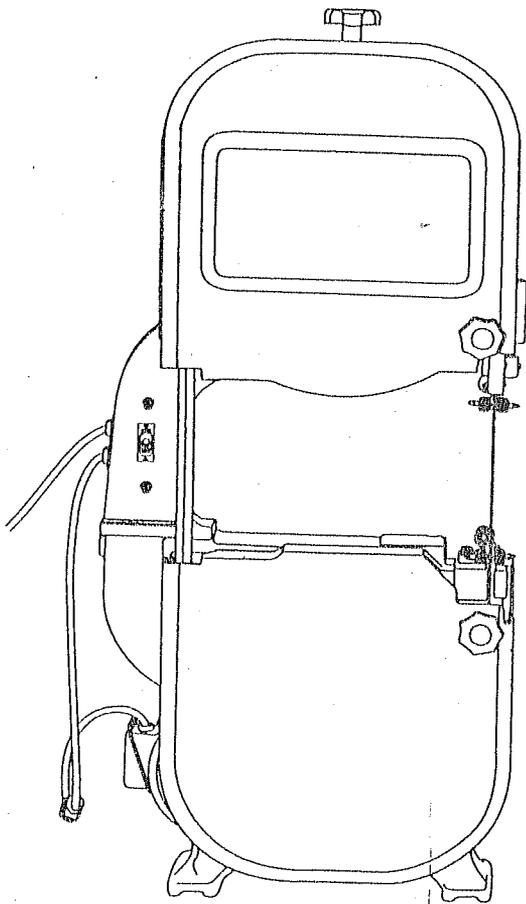
#### **⚠ WARNING**

- 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.

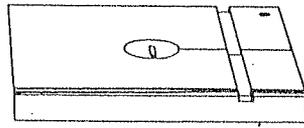
### TABLE OF LOOSE PARTS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
<b>BAND SAW</b>		
A.	Band saw with motor	1
B.	Table with insert	1
C.	Table trunnions	2
D.	Table hardware	
	Hex bolts	6
	Lock washers	6
	Table alignment pin	1
E.	Trunnion support bracket	1
F.	Trunnion support hardware	
	Long bolt	2
	Short hex. bolt	1
	Hex nut	1
	Table lock knobs	2
	Washers	2
G.	Miter gauge	1
H.	Sawdust port	1
	Hex bolts	2
	Washers	2
I.	Power cord hooks	2
	Phillips head bolts	2
J.	Hex. key	1
K.	Stand attachment hardware	
	Large washers	8
	Hex. nuts	4
	Long hex. bolts	4
<b>LEG STAND</b>		
L.	Stand top plate	1
M.	Sied plate	2
M-1	Back plate	1
N.	Door plate	1
O.	Tool Tray	1
P.	Foot pads	4
Q.	Bag:	
	Carriage bolts	32
	Hex. nuts	32
	Washers	32

# UNPACKING YOUR BAND SAW



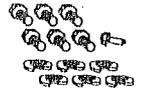
A



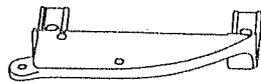
B



C



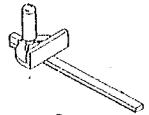
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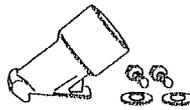
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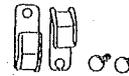
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G



H



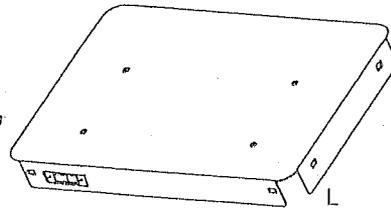
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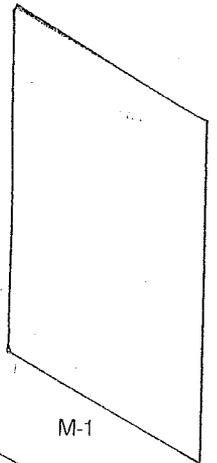
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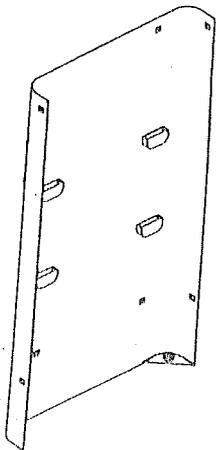
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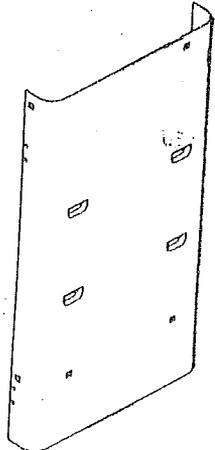
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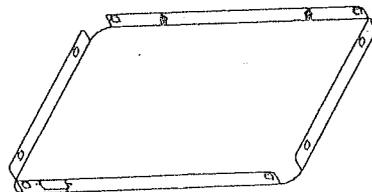
M-1



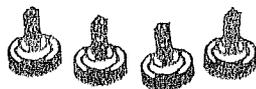
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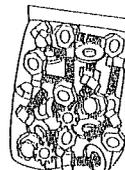
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O

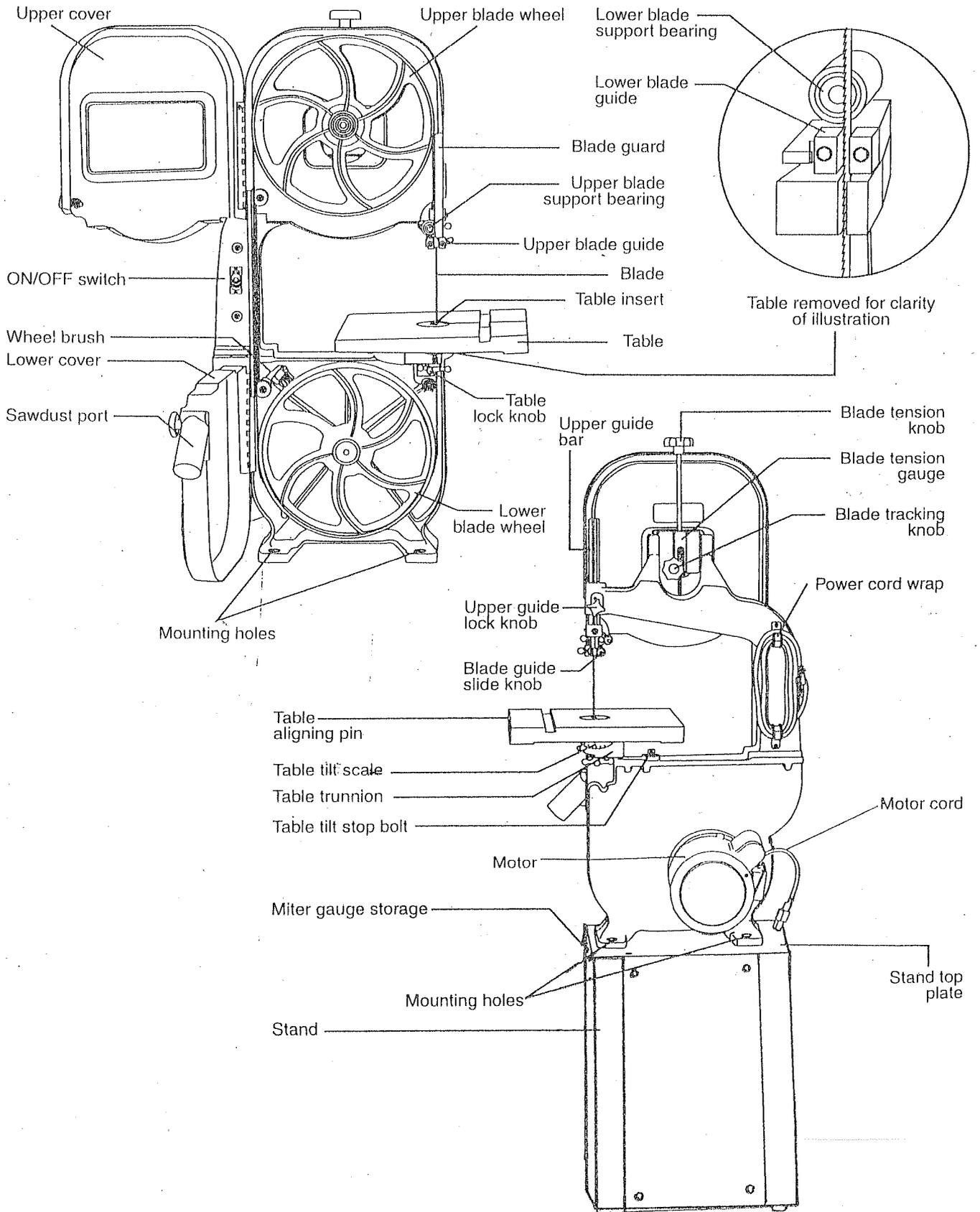


P



Q

# KNOW YOUR BAND SAW



# GLOSSARY OF TERMS

## CRAFTSMAN 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.

**UPPER GUIDE LOCK KNOB** – locks the upper slide. Use it after you adjust 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.

**TABLE LOCK KNOB** – locks the table in place.

**TILT (BEVEL) SCALE** – shows the degree the table is tilted for bevel cutting.

**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.

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

**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.

## 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.

**FREEHAND** – 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 a blade in a through cut, or the slot produced by the blade in a non-through or partial cut.

**LEADING EDGE** - The end of the workpiece guided 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 workpieces.

**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.

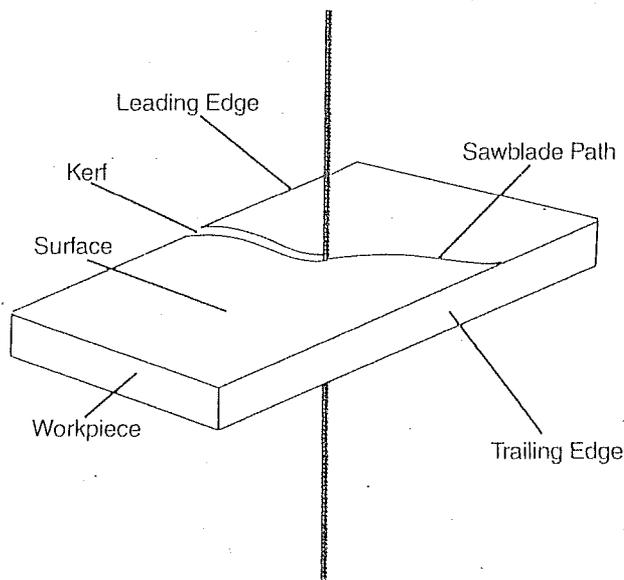
**SAW BLADE PATH** – The area of the workpiece or table top directly in line with the travel of the blade or the part of the workpiece which will be cut.

**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 END** – The workpiece end last cut by the blade.

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

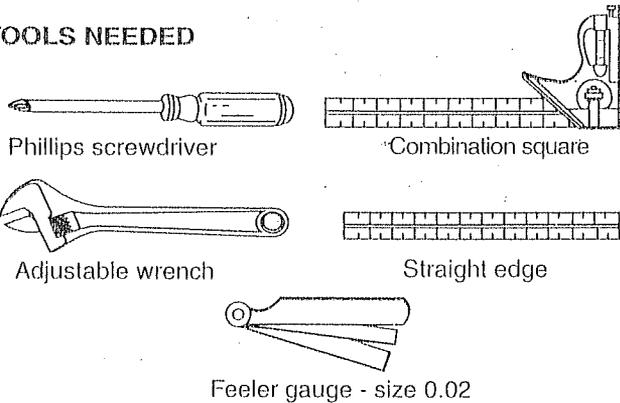
**WORKTABLE** – The surface on which the workpiece rests while performing a cutting or sanding operation.



# ASSEMBLY AND ADJUSTMENTS

## ASSEMBLY INSTRUCTIONS

### TOOLS NEEDED



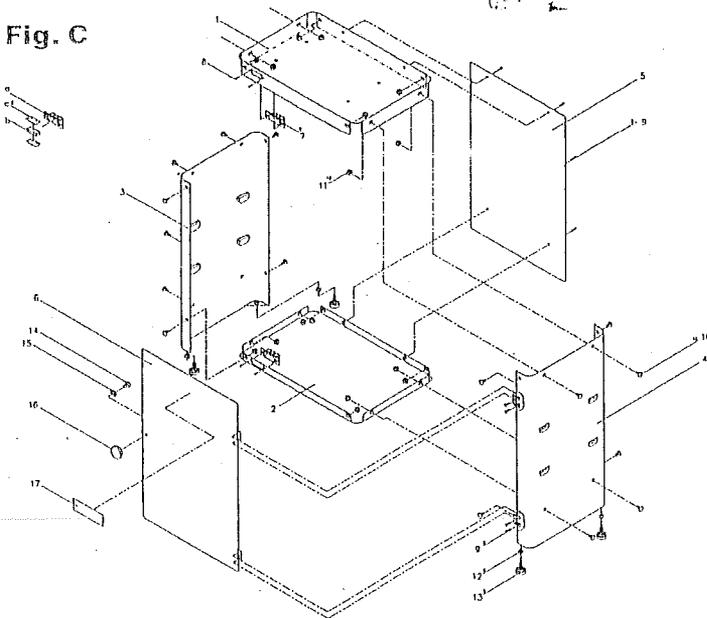
### ⚠ WARNING

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.

### CLOSED STAND ASSEMBLY (Fig. C)

1. Attach L.H. side plate(3) to the top plate (1) with four carriage Screw (10), flat washer(11) and hex. Nut(12).
2. Repeat above steps for the R.H. Plate(4).
3. Attach tools tray(2) between the L.H. Side plate and R.H. side plate with eight carriage screw(10), flat washer (11) and Hex. Nut(12).
4. Attach back plate(5) to the top plate(1) and tools tray(2) with four set screw(9).
5. Mount the door plate(6) to the R.H. Side plate(4) and fasten with four set screw (9).
6. Fit knob(15) to the door plate(6) with one Hex. Screw (14).
7. Place four pad(13) to each leg.

Fig. C



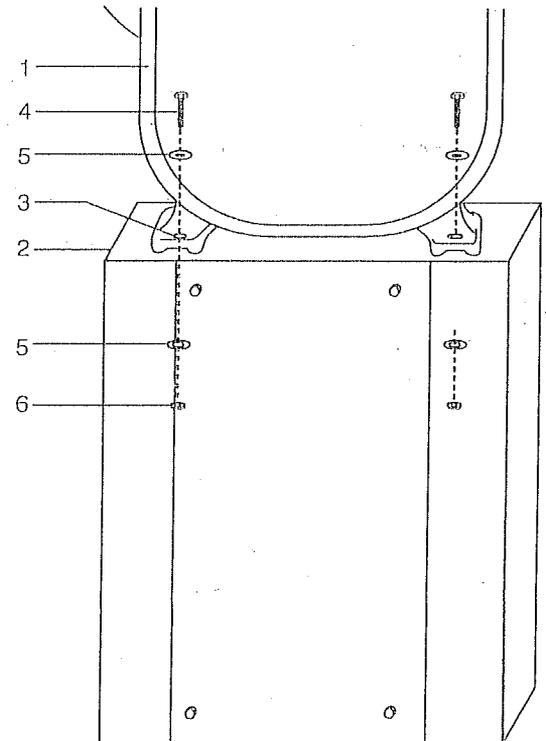
### ⚠ WARNING

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

### ASSEMBLE BAND SAW TO LEG STAND (Fig. D)

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 the wrench.

Fig. D

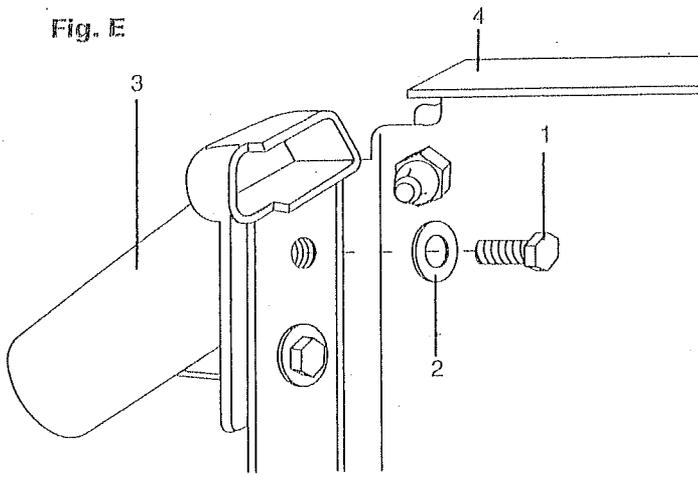


### THE SAWDUST PORT (Fig. E)

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 lower 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. E

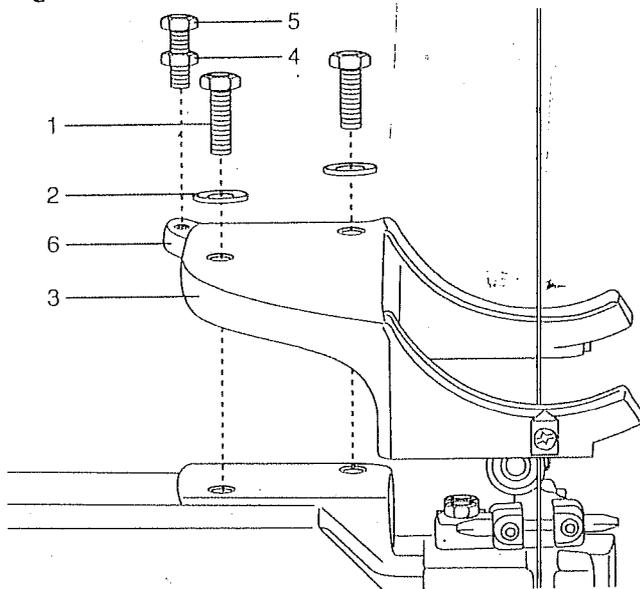


**ASSEMBLE THE BAND SAW TABLE (Fig. F, G, H, I)**

**Mounting the trunnion support bracket (Fig. F)**

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 both into the rear tab (6) on the trunnion support bracket.
5. Tighten the nut down onto the bracket tab.

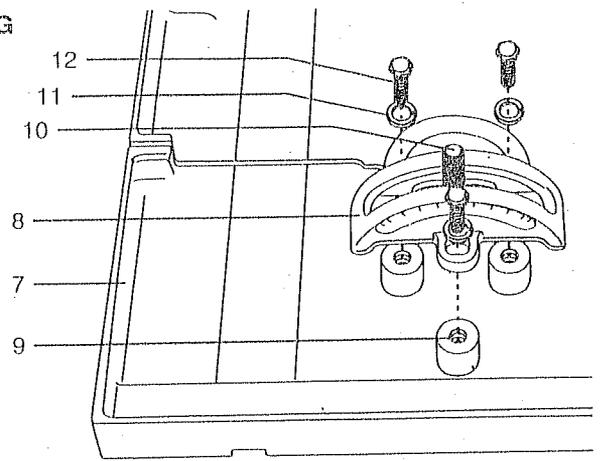
Fig. F



**Mounting the table (Fig. G, H, I)**

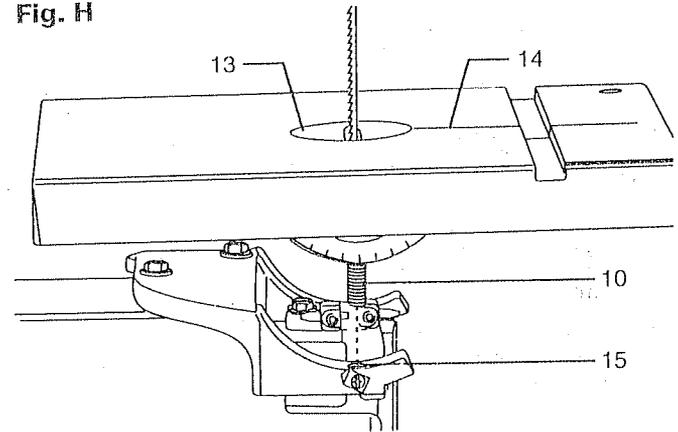
6. On the underside of the table (7), place the scale brackets (8) on the bracket mounting holes (9).
7. Be sure the long lock knob bolts (10) are placed upwards through the bracket slots as shown.
8. Place lock washers (11) on three short hex head bolts (12). Thread the bolts through the mounting holes and tighten.

Fig. G



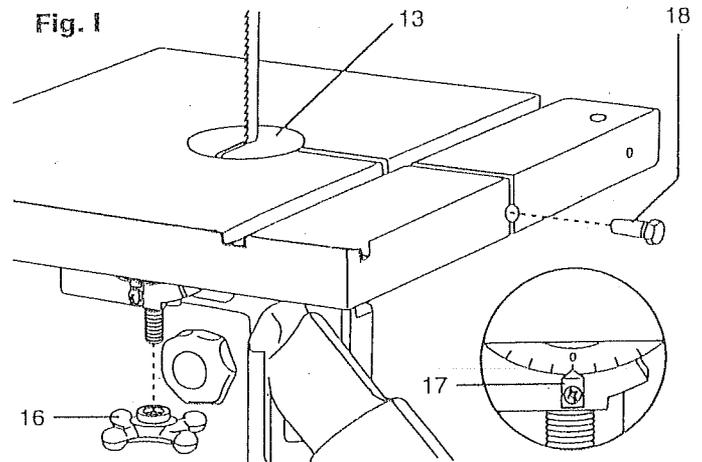
9. Turn the table right side up.
10. Remove the table insert (13) from the table.
11. Guide the table slot (14) over the saw blade and rotate a 1/4 turn, so the slot is perpendicular to the blade.
12. Placing the scale lock knob bolts (10) through the trunnion bracket holes (15) as shown, lower the table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

Fig. H



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 knobs.
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. I



## INSTALLING AND REMOVING BLADES (Fig. J)

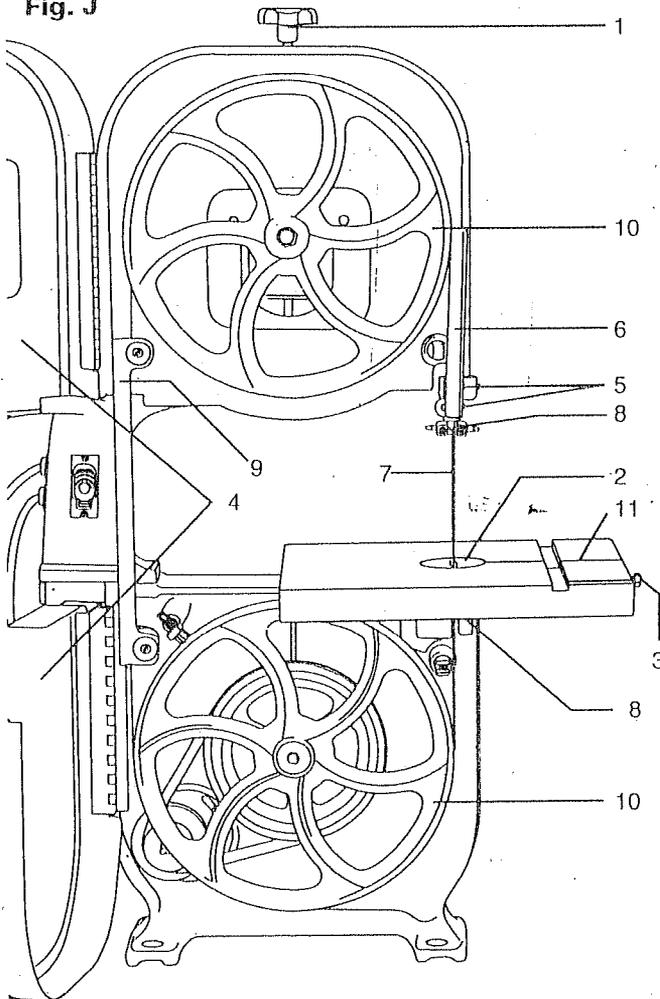
### **⚠ WARNING**

To avoid injury from accidental starting, always turn the switch OFF and remove the plug 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 remove the table aligning pin (3) from the table.
3. Open the upper and lower wheel cover doors (4).
4. Loosen the two Phillips screws (5) and remove the upper blade guard (6).
5. Remove the blade (7) from the upper and lower blade guides (8).
6. Carefully pull the blade from the side slot (9) and from the wheels (10).
7. 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. J



#### Installing

1. Make sure the blade tension knob (1) is turned counterclockwise until it stops.
2. Remove old blade as explained in "Removing".
3. Guide the new blade (7) through the table slot (11). Make sure the blade teeth are pointing forward and down.

**NOTE:** To avoid lifting the workpiece, the blade teeth must point downward toward the table.

4. Swinging the left side of 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).
9. Adjust the blade tracking and tension properly (See ADJUSTMENT INSTRUCTIONS section) before operating the band saw.

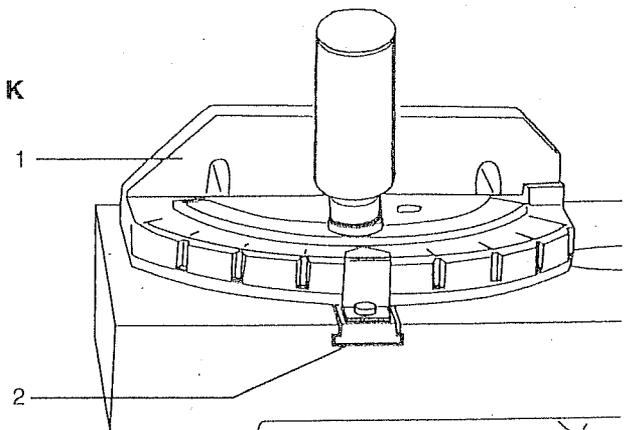
### **⚠ WARNING**

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)

#### MITER GAUGE (Fig. K)

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° and to 45° 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. K



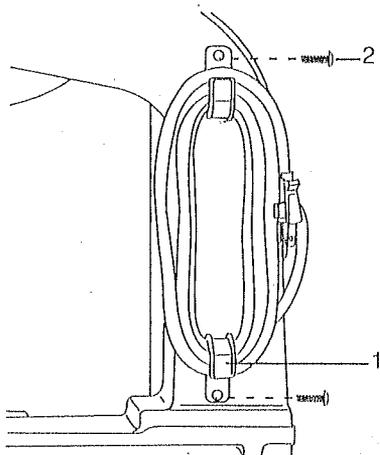
### **⚠ WARNING**

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

### INSTALL POWER CORD BRACKETS (Fig. L)

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.

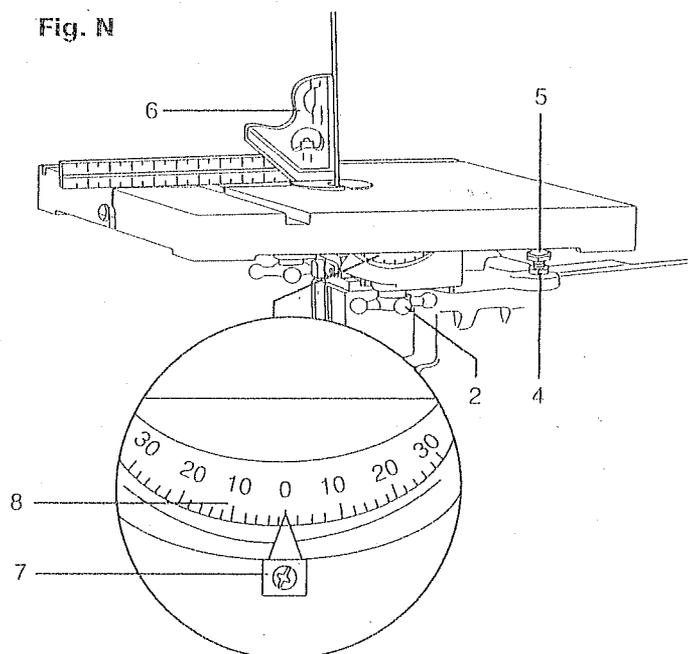
Fig. L



### ADJUSTING THE 90° TABLE STOP (Fig. N)

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. Tighten the jam nut down to the support bracket.
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, readjust the stop bolt.
9. When the adjustment is accurate at 90°, align the pointer (7) to 0° on the scale (8).

Fig. N



## ADJUSTMENT INSTRUCTIONS

### ⚠ WARNING

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

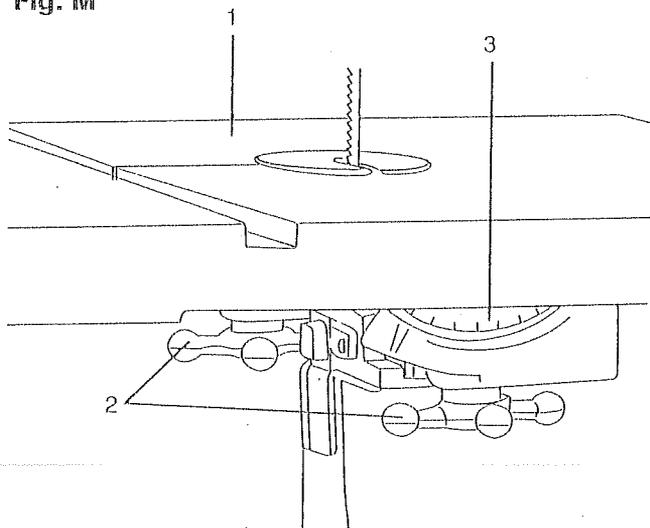
### TABLE ADJUSTMENTS (Fig. M, N)

#### Tilting the table (Fig. M)

The band saw table (1) tilts 0° and 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.

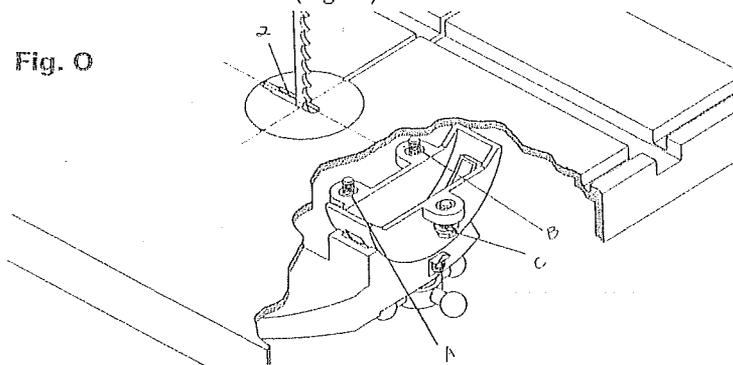
Fig. M



### ⚠ WARNING

Make sure the blade is in center of table insert slot (2). Then tighten the screw (A-C) which are under the table on both sides as shown (Fig O.)

Fig. O



## ADJUSTMENT INSTRUCTIONS

### **⚠ WARNING**

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

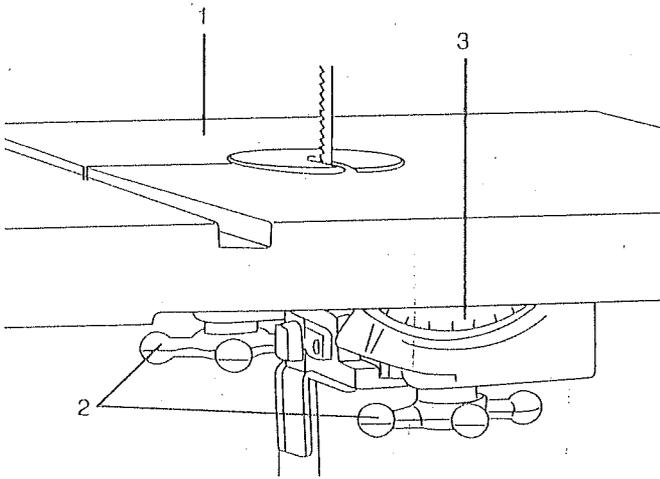
#### **TILTING THE TABLE (Fig. P)**

The band saw table (1) tilts 0° to 45° to the right and 15° to the left.

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

**NOTE:** The 90° table stop bolt must be removed to tilt the table 10° or more to the left.

**Fig. P**

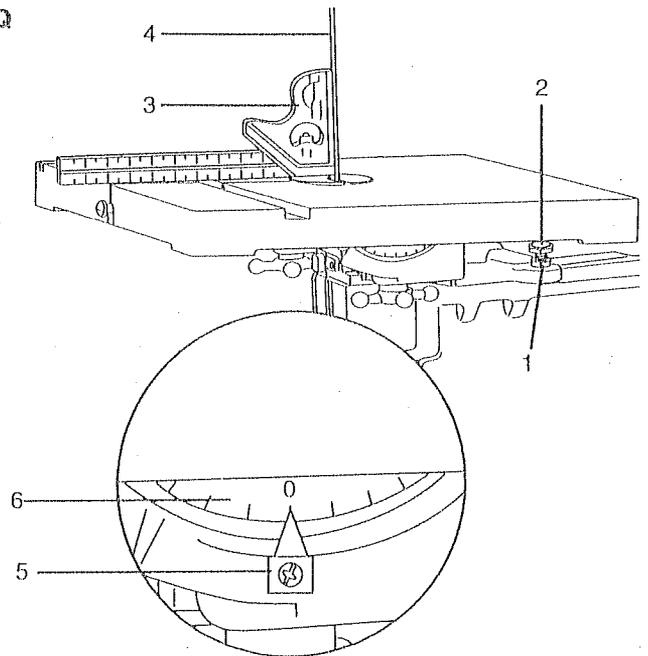


#### **ADJUSTING THE 90° TABLE STOP (Fig. Q)**

1. Tilt the table to the front of the band saw.
2. Loosen the jam nut (1) on the table stop bolt (2) and lower the stop bolt.
3. Tilt the table to the back until it rests on the stop bolt.
4. Place a combination square (3) on the table with the heel of the square against the blade (4).
5. Adjust the tilt of the table until it is 90° to the blade and there is no space between the square and the blade. Tighten the lock knobs.
6. Adjust the table stop bolt (2) up until it touches the table. Tighten the jam nut (1).
7. Loosen the lock knobs and see if 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, readjust the stop bolt.
9. When the adjustment is accurate at 90°, align the pointer (5) on the scale (6) to 0°.

**NOTE:** The table stop bolt must be removed to tilt the table 10° or more to the left.

**Fig. Q**



#### **BLADE TENSION (Fig. R)**

### **⚠ WARNING**

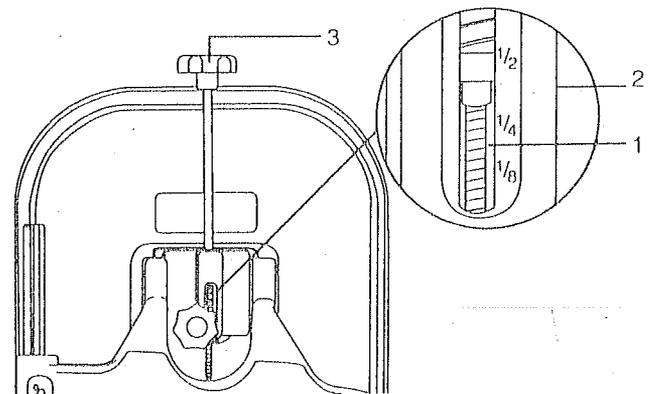
To avoid injury, turn the switch OFF and disconnect the saw from the power source before making any adjustments. NEVER make tension adjustments with the machine running.

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

1. Set the blade tension gauge (1) to correspond with the blade width, as shown.
2. Turn the blade tension knob (3) clockwise to tighten the blade, counterclockwise to loosen.
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.

**Fig. R**



## BLADE TRACKING (Fig. S)

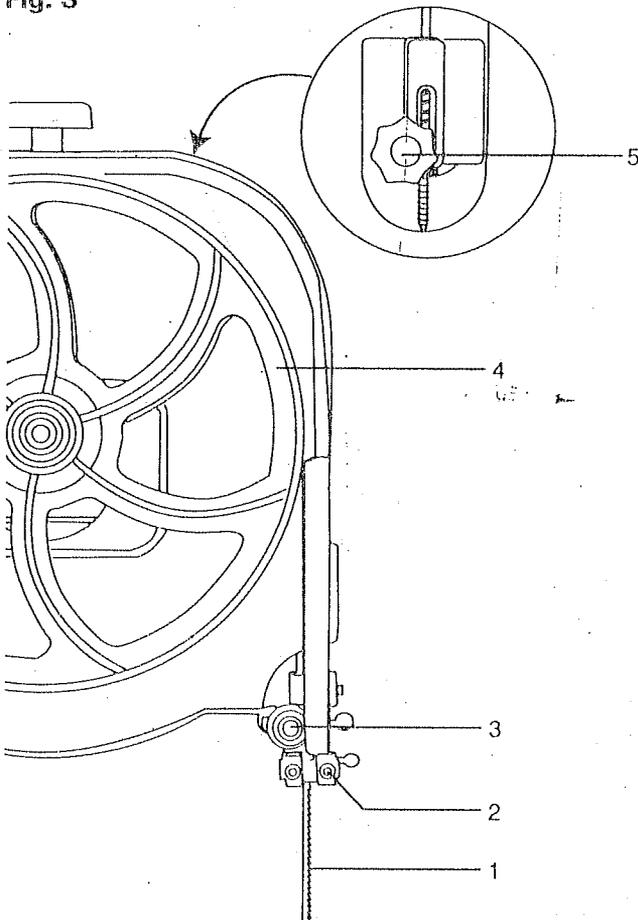
### **⚠ WARNING**

To avoid injury, turn the switch OFF and disconnect the saw from the power source before making any adjustments. NEVER make tracking adjustments with the machine running.

1. The blade (1) must be tensioned properly before adjusting the tracking. (See BLADE TENSION on page 15).
2. Open the upper cover.
3. Move the blade guides (2) and support bearings (3) away from the blade, if necessary. (See page 17).
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. S



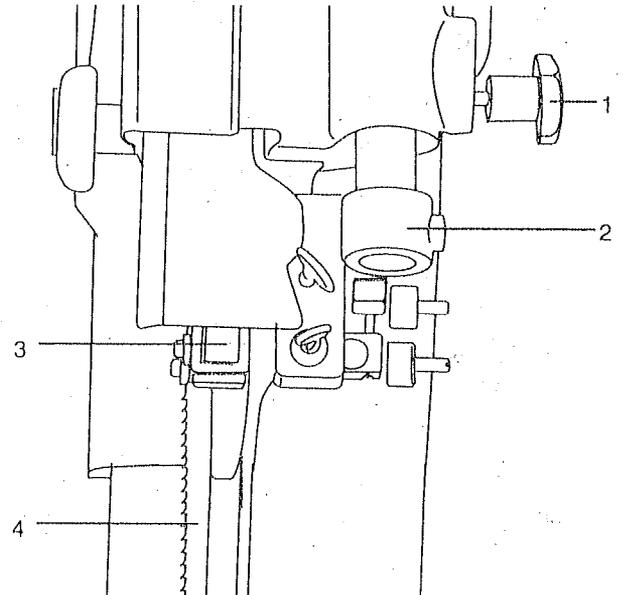
## UPPER BLADE GUIDE ASSEMBLY (Fig. T)

### **⚠ 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) to 1/8" above the workpiece.
2. Rotate the assembly, if necessary, until the guide blocks (3) are flat (parallel) to the blade (4). Tighten the lock knob.

Fig. T



## UPPER BLADE GUIDES AND BLADE SUPPORT BEARING (Fig. U, V)

### **⚠ 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.

### **⚠ WARNING**

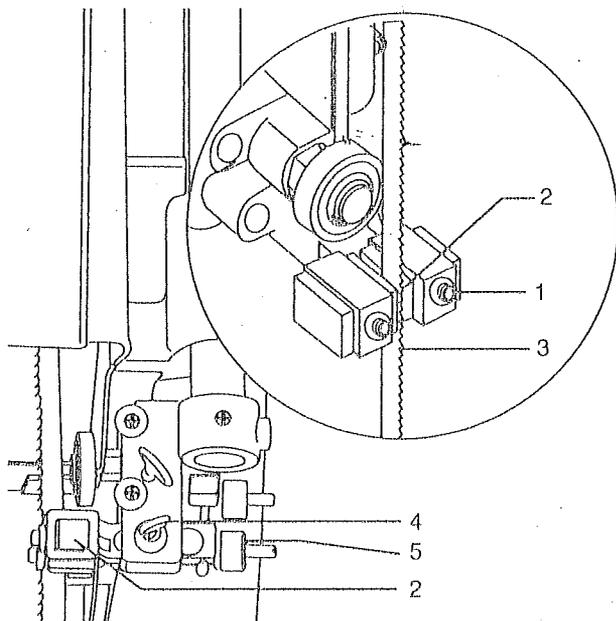
To avoid injury, turn the switch OFF and disconnect the saw from the power source before making any adjustments. NEVER make adjustments with the machine running.

**NOTE:** Make sure the blade is tensioned and tracking properly. 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 bearings should also be adjusted.

### Blade guides (Fig. U)

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 guide blocks (2) as close to the blade (3) as possible without pinching it.
4. Using a feeler gauge, make sure the space between guide block and the blade measures 0.02" (the thickness of a dollar bill).
5. Tighten the hex socket screws.
6. Loosen the side thumb screw (4) by turning counterclockwise.
7. Turn the rear knob (5) to move the blade guide brackets in or out until the guide blocks (2) are just behind the blade teeth.
8. Tighten the thumb screw.

Fig. U



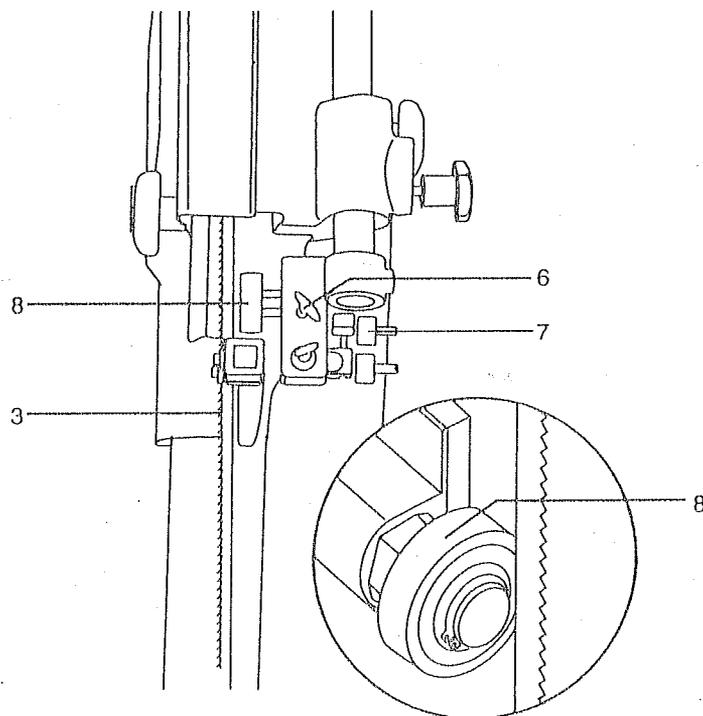
### Support bearing (Fig. V)

9. Loosen the thumb screw (6).
10. Turning the rear knob (7), move the support bearing (8) in or out, until the bearing is 1/64" behind the blade.
11. Tighten the thumb screw (6).

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

12. Check the lateral position of the support bearing (8). The vertical back edge of the blade (3) should overlap the front face of the support bearing 1/16" to 1/8" to the left of the right bearing edge, as shown.

Fig. V



## LOWER BLADE GUIDES AND SUPPORT BEARING (Fig. W, 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.

**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**

1. Loosen both front hex socket screws (1) with a hex wrench.
2. Move the guide blocks (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 blocks and the blade. Adjust to 0.02".
4. Tighten the hex screws. **(Fig. W)**
5. Loosen the side hex socket screw (4). Move the guide block support bracket (6) in or out until the blocks are just behind the saw teeth. Tighten the screw. **(Fig. X)**

### **Support bearing**

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. X)**
9. The back edge of the blade (3) should be positioned 1/16" to 1/8" from the right edge of the support bearing (9), as shown. **(Fig. W)**

### **PULLEY ALIGNMENT (Fig. Y)**

The pulley alignment has been factory adjusted and shouldn't require further adjustment. If adjustments are required or belt needs replacing follow these procedures:

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. W

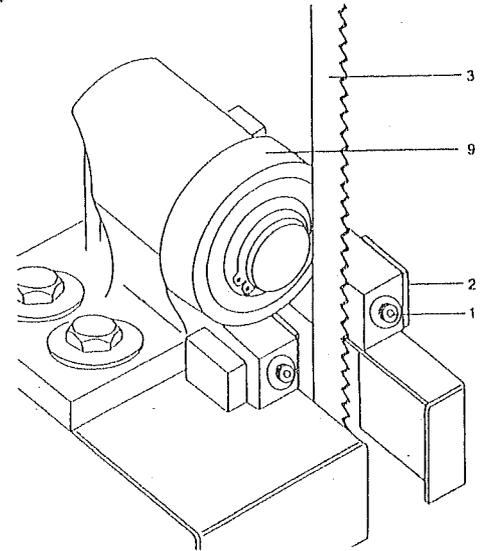


Fig. X

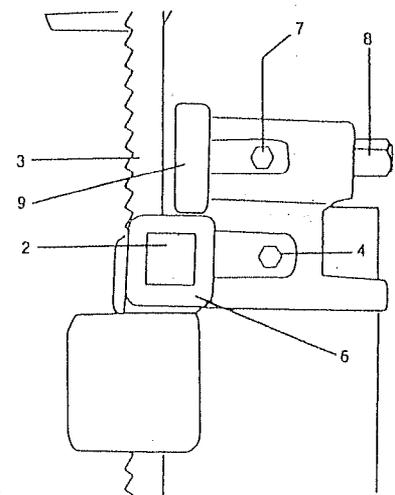
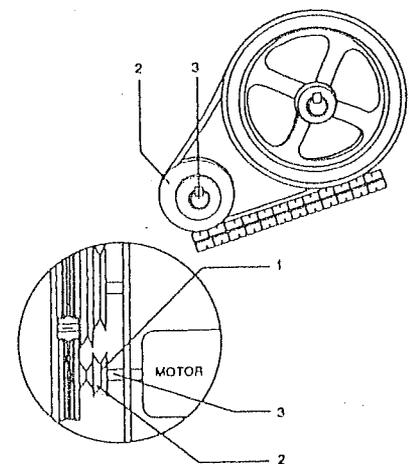


Fig. Y



## BASIC SAW OPERATIONS

### "ON/OFF" SWITCH (Fig. Z)

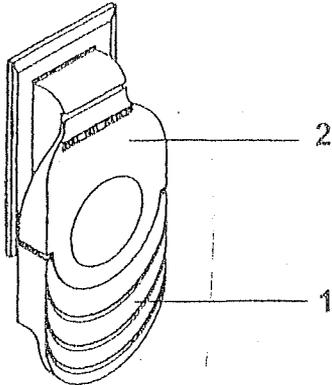
The keyed switch is intended to prevent unauthorized use of the band saw.

1. To turn the band saw ON insert the yellow key (1) into the key slot (2) 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.

### **WARNING**

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

Fig. Z



## GENERAL CUTTING

### **WARNING**

For your safety, read and understand all GENERAL and SPECIFIC SAFETY INSTRUCTIONS on pages 3-5 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 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 blades need little pressure for cutting. Steadily move the workpiece against the blade without forcing it.

To avoid twisting the blade do not turn sharp corners; 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 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.

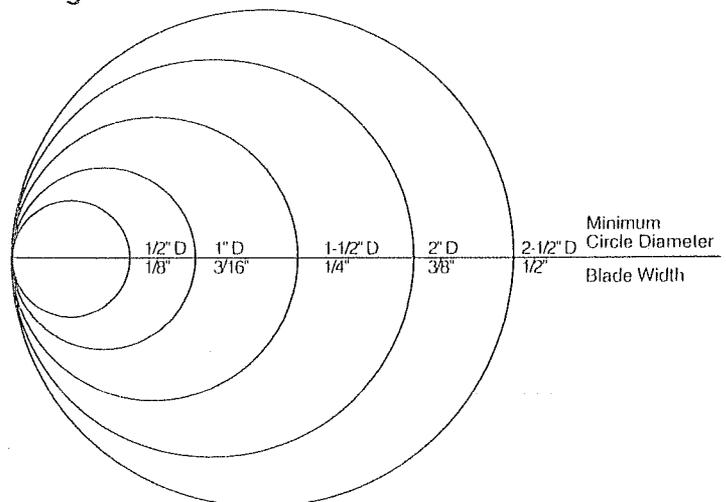
When changing a cut, do not withdraw the workpiece from the blade. The blade may get drawn off the wheels. To change a cut, turn the workpiece and saw out through the scrap material area.

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

### CIRCLE CUTTING (Fig. AA)

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. AA



## BLADE SELECTION Fig. BB

**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. See Fig. AA on page 18.

For cutting wood and similar materials with this band saw, purchase blades in widths up to 1/2", and a length of 93-1/2".

Do not cut metals with this band saw.

Fig. BB

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 chart on pg. 18
Curve Cutting	1/8, 1/4

## CHANGING SPEED SETTING (Fig. CC)

### WARNING

To avoid injuries, turn the power switch OFF and disconnect the band saw from the power source!

1. Loosen the belt tension by turning the tension lock handle(5).
2. Open the lower wheel cover and re-position the V-belt(3).

Changing the speed from 1630 to 2730 FPM: first remove belt(3) from the band saw pulley(4); reposition in the saw pulley groove(1).

Change the speed from 2730 to 1630 FPM: first remove belt(3) from the motor pulley(5) and reposition in the motor pulley groove(2). Remove the belt from the saw pulley (4) and reposition in the saw pulley groove(2).

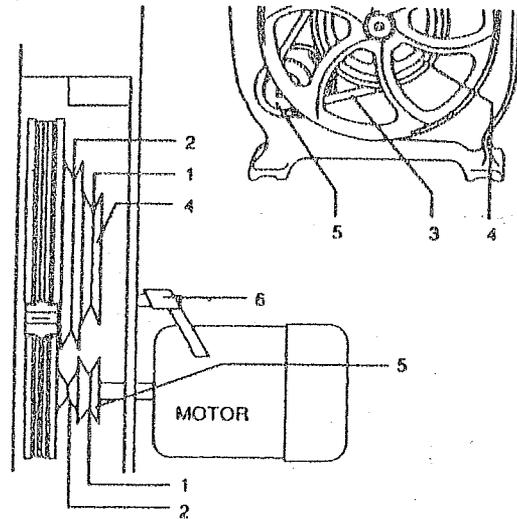
3. Tighten the belt tension by turning the tension lock handle(6).

**NOTE:** After re-adjusting belt position and belt tension, verify and re-adjust the settings for the blade tension and tracking position, guides and bearings. (See Adjustment section).

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. CC



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

#### TO INSTALL A NEW BELT (Fig. DD)

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 19 for proper belt placement.
11. When positioned properly, tighten the v-belt tension by turning the tension lock handle.

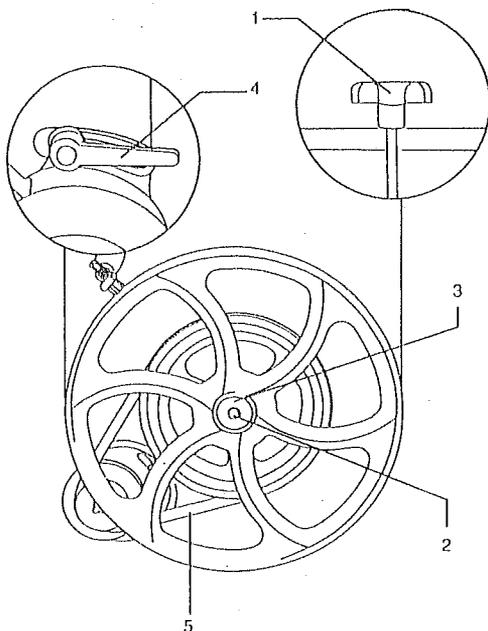
**NOTE:** The pulley belt is properly tensioned when there is 1/2" deflection if pressed in the center between the pulleys.

12. Replace the blade wheel. Push the wheel in 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 12).
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. DD



#### 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.

## 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.

### **⚠ WARNING**

To avoid fire or toxic reaction, never use gasoline, naphtha, acetone, lacquer thinner or similar highly volatile solvents to clean the band saw.

### **⚠ WARNING**

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. 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 debris to build up on the table, the guides, or the support bearings. Clean them with Craftsman Gum and Pitch Remover.

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

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

## BLADE WHEEL TIRES

Pitch and sawdust that build up on the tires should be removed with a stiff brush or scraped 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**

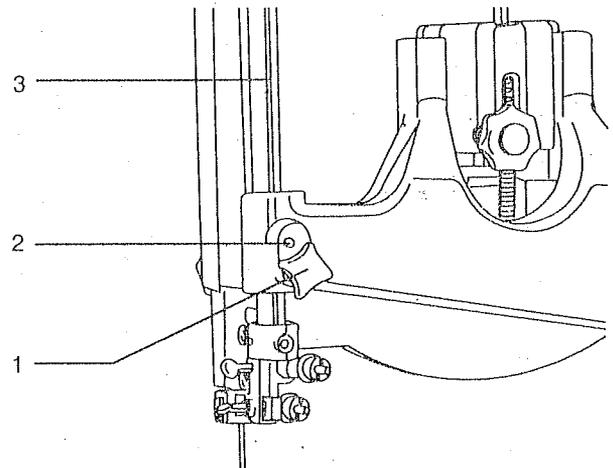
To avoid electrocution or fire, immediately replace a worn, cut or damaged power cord.

## ADJUSTING THE UPPER BLADE GUIDE TRAVEL (Fig. EE)

If the upper guide bar assembly will not move up and down easily or falls when the lock knob is loosened, the following adjustment should be performed.

1. Remove the guide bar lock knob (1).
2. Using a 5mm hex "L" wrench, tighten or loosen the screw (2) located behind the lock knob.
3. Move the guide bar (3) up and down to check for smooth movement and ability to hold its position.
4. Make further adjustments to the screw as required. Properly adjusted, the guide bar should move smoothly and hold its position when released.
5. Reinstall the guide bar lock knob.

Fig. EE



## 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 always remove the plug from the power source before making any adjustments.

### ⚠ WARNING

All electrical or mechanical repairs should be done only by qualified service technicians. Contact the nearest Sears Service Center.

### GENERAL

Problem	Probable Cause	Remedy
Blade does not run in the center of the upper wheel.	<ol style="list-style-type: none"> <li>1. Not tracking properly.</li> <li>2. Defective blade.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust tracking. See ASSEMBLY AND ADJUSTMENTS section "BLADE TRACKING".</li> <li>2. Replace blade.</li> </ol>
Band saw slows down when cutting.	<ol style="list-style-type: none"> <li>1. Belt too loose.</li> <li>2. Cutting too small a radius.</li> <li>3. Dull blade.</li> <li>4. Overloading motor.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust belt tension. See ASSEMBLY AND ADJUSTMENTS section "BLADE TENSION".</li> <li>2. Stop feeding, back up the material slightly, until the band saw speeds up.</li> <li>3. Replace blade.</li> <li>4. Slow down, trying to cut too fast. See "MOTOR TROUBLESHOOTING GUIDE" on page 23.</li> </ol>
Blades braking	<ol style="list-style-type: none"> <li>1. Too much tension on the blade.</li> <li>2. Kink in the blade caused by cutting too small a radius or turning the material too fast when cutting.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust tension. See ASSEMBLY AND ADJUSTMENTS section "BLADE TENSION"</li> <li>2. Use correct cutting technique. See OPERATION section "GENERAL CUTTING".</li> </ol>
Blade dulls too quickly.	<ol style="list-style-type: none"> <li>1. Blade guides set too close to the teeth.</li> <li>2. Cutting incorrect material.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust upper and lower blade guides.</li> <li>2. See OPERATION section "BLADE SELECTION".</li> </ol>
Band saw vibrates.	<ol style="list-style-type: none"> <li>1. Too much tension on motor belt.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust according to ASSEMBLY AND ADJUSTMENTS section, "INSTALL THE BELT".</li> </ol>

## MOTOR

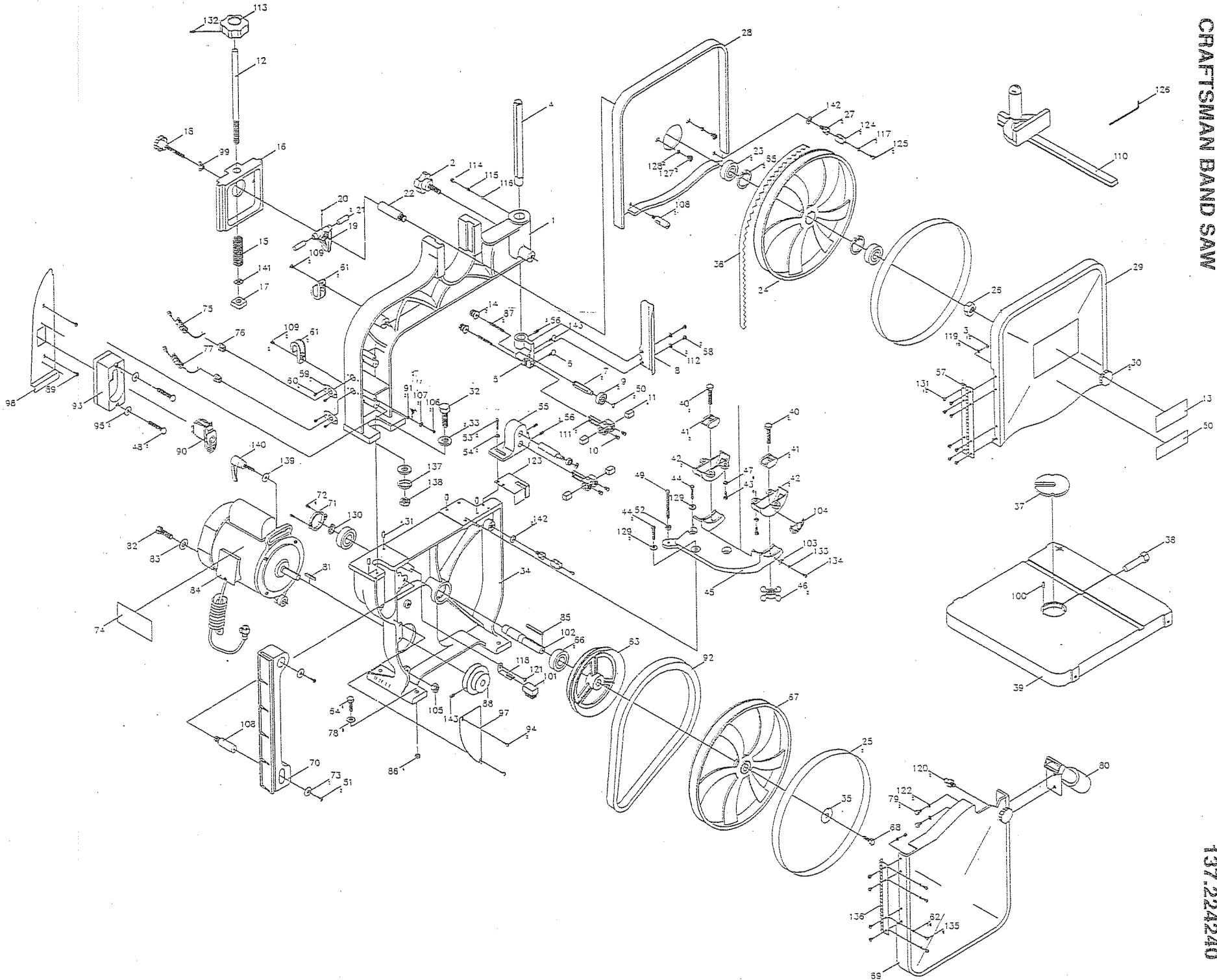
Problem	Probable Cause	Remedy
Noisy operation.	<ol style="list-style-type: none"> <li>1. Incorrect belt tension.</li> <li>2. Loose motor pulley.</li> <li>3. Loose pulley cover.</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust tension. See ASSEMBLY AND ADJUSTMENTS section "INSTALL THE BELT".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

**WARNING**

- When servicing use only CRAFTSMAN replacement parts. Use of any other parts may create a HAZARD or cause product damage.
- Any attempt to repair or replace electrical parts on this band saw may create a HAZARD unless repair is done by a qualified service technician. Repair service is available at your nearest Sears Service Center.

## ORDER ONLY BY MODEL NUMBER AND PART NUMBER

Key	Part No.	Description	Qty	Key	Part No.	Description	Qty		
1	3AD00101	Upper frame arm	1	72	3AD07202	Set screw	3/16x3/8	6	
2	3AD00201	Lock handle	5/16x1-1/4	1	73	3AD07301	Flat washer	5/16x23	2
3	3AD00301	Nut	3/16	12	74	3AD07401	Plate		1
4	3AD00401	Guide post		1	75	3AD07501	Cord, motor		1
5	3AD00501	Guide support bracket		1	76	3AD07601	Stain relief bushing		2
6	3AD00601	Sector screw	6x10L	1	77	3AD07701	Power cord & plug		1
7	3AD00701	Upper spacing sleeve		2	78	STD551031	Flat washer	5/16x18	8
8	3AD00801	Blade guard		1	79	3AD07901	Hex. screw	1/4x1/4	2
9	3AD00901	Bearing	6200ZZ	2	80	3AD08001	Dust chute		1
10	3AD01001	Set screw	6x10	4	81	3AD08101	Key	5x5x30	2
11	3AD01101	Blade guard block		4	82	3AD08201	Hex. screw	1/2x2	1
12	3AD01201	Tension knob		1	83	STD551031	Flat washer	1/2x28	1
13	3AD01301	Nameplate		1	84	3AD08402	Motor		1
14	3AD01401	Adjust nut	6mm	2	85	3AD08501	Key	5x5x60	1
15	3AD01501	Spring		1	86	3AD08601	Nut	5/16	4
16	3AD01602	Sliding bracket		1	87	3AD08701	Adjust screw	6x45	2
17	3AD01701	Square nut	3/8	1	88	3AD08802	Motor pulley	3	1
18	3AD01801	Adjustment knob	5/16"2"	1	89	3AD08901	Set screw w/l washer	3/16 x 3/8	2
19	3AD01901	Shaft hinge		1	90	3AD09002	Switch		1
20	3AD02001	Pin	3x30	1	91	3AD09101	Tooth washer	5mm	2
21	3AD02101	Steel pin		2	92	3AD09202	V-belt	A-26	1
22	3AD02201	Upper wheel shaft		1	93	3AD09302	Switch box		1
23	3AD02301	Bearing	6202ZZ	2	94	3AD09401	Set screw w/l washer	3/16x3/8	2
24	3AD02401	Upper wheel		1	95	3AD09502	Flat washer	3/16x12	2
25	3AD02501	Tire		2	96	3AD09601	Set screw w/l washer	3/16x1/4	1
26	STD541050	Hex. nut	1/2	1	97	3AD09701	Frame arm cover, lower		1
27	3AD02701	Stud		2	98	3AD09802	Frame arm cover, upper		1
28	3AD02801	Upper guard inside		1	99	STD541631	Nut	5/16	1
29	3AD02901	Upper guard outside		1	100	3AD10001	Pin	3x10	1
30	3AD03002	Knob	3/8	2	101	3AD10101	Brush		1
31	3AD03101	Set pin		4	102	3AD10202	Shaft		1
32	3AD03201	Hex. bolt	3/4x2-1/2	1	103	3AD10301	Pointer		1
33	STD551075	Flat washer	3/4	2	104	3AD10401	Scale		1
34	3AD03401	Base		1	105	3AD10501	Nut	5/16	4
35	3AD03501	Hex. nut	3/4	1	106	3AD10601	Set screw w/l washer	3/16x1/4	2
36	3AD03601	Blade		1	107	3AD10701	Copper washer		2
37	3AD03701	Table insert		1	108	3AD10801	Stud		2
38	3AD03801	Table pin		1	109	3AD10901	Set screw w/l washer	3/16x1/2	2
39	3AD03902	Table	16" x16"	1	110	3AD11002	Miller gauge		1
40	3AD04001	Special hex. bolt	10x50	2	111	3AD11101	Y type block		2
41	3AD04101	Trunnion clamp shoe		2	112	3AD11201	Flat washer	3/16x14	2
42	3AD04201	Trunnion		2	113	3AD11301	Knob		1
43	3AD04301	Hex. screw	1/4x5/8	6	114	3AD11401	Headless screw	5/16x5/16	1
44	3AD04401	Hex. bolt	5/16x1-1/4	2	115	3AD11501	Spring		1
45	3AD04501	Trunnion support bracket		1	116	3AD11601	Steel ball	1/4	1
46	3AD04601	Star knob	10mm	2	117	3AD11701	Spring washer	3/16	2
47	STD551025	Spring washer	5/16	6	118	3AD11801	Holder, brush		1
48	3AD04802	Set screw	3/16X2-1/4	2	119	3AD11901	Spring washer	3/16	16
49	3AD04901	Hex. bolt	5/16x3"	1	120	3AD12001	Spring plate, connector		2
50	3AD05001	C-ring	S-10	2	121	3AD12101	Self-tap screw	3/16x3/8	2
51	3AD05101	Set screw w/l washer	3/16x3/8	2	122	STD551025	Flat washer	1/4x1/6	2
52	3AD05201	Hex. nut	5/16	1	123	3AD12301	Blade guard		1
53	3AD05301	Hex. bolt	1/4x3/4	2	124	3AD12401	Clip head		2
54	STD551025	Flat washer	1/4	2	125	3AD12501	Set screw	3/16x1/4	2
55	3AD05501	Lower guide support		1	126	3AD12601	hex. wrench	3mm	1
56	3AD05601	Set screw	6x10	3	127	3AD12701	Set screw washer	3/16x3/8	2
57	3AD05701	Hinge		2	128	3AD12801	Flat washer	3/16	2
58	3AD05801	Set screw	3/16x3/8	2	129	STD551031	Flat washer	5/16	2
59	3AD05901	Plate		2	130	3AD13001	C-ring	S-20	1
60	3AD06001	Set screw w/l washer	3/16x3/8	4	131	3AD13101	Set screw w/l washer	3/16x1/4	12
61	3AD06101	Power cord storage		2	132	3AD13201	Spring	3x20	1
62	3AD06202	Spring washer	3/16"	16	133	3AD13301	Spring washer	3/4	1
63	3AD06302	Pulley	7"	1	134	3AD13401	Set screw	3/16x3/8	1
64	3AD06401	Hex. screw	5/16x1 1/4"	4	135	3AD13501	Set screw w/l washer		4
65	3AD06501	Snap ring	R-34	2	136	3AD13601	Hinge		1
66	3AD06601	Bearing	6204ZZ	2	137	3AD13701	Spring washer	3/4"	1
67	3AD06701	Lower wheel		1	138	3AD13801	Hex. nut	3/4"	1
68	3AD06801	Hex. screw	1/4x5/8	1	139	3AD13901	Flat washer	3/8x25	1
69	3AD06901	Lower door		1	140	3AD14001	Handle		1
70	3AD07001	Guard		1	141	3AD14101	Pointer		1
71	3AD07102	Bearing cover		1	142	3AD14201	Flat washer	3/16	2
					143	3AD14301	Set Screw	M6x16L	1



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1	1AD30102	Top Plate		1
2	1AD30202	Tools Tray		1
3	1AD30302	L.H. Side Plate		1
4	1AD30402	R.H. Side Plate		1
5	1AD30502	Back Plate		1
6	1AD30602	Door Plate		1
7	1AD30702	Magnetic Iron Set		2
8	1AD30802	Tapping Screw	3 x12	4
9	1AD30902	Set Screw w/Washer	3/16"x3/8"	8
10	1AD31002	Carriage Screw	5/16"x1/2"	16
11	1AD31102	Hex Nut/w/Washer	5/16"	16
12	1AD31202	Hex. Nut	3/8	4
13	1AD31302	Pad		4
14	1AD31402	Hex. Screw		1
15	1AD31502	Spring Washer		1
16	1AD31602	Knob		1
17	1AD31702	Label		1

