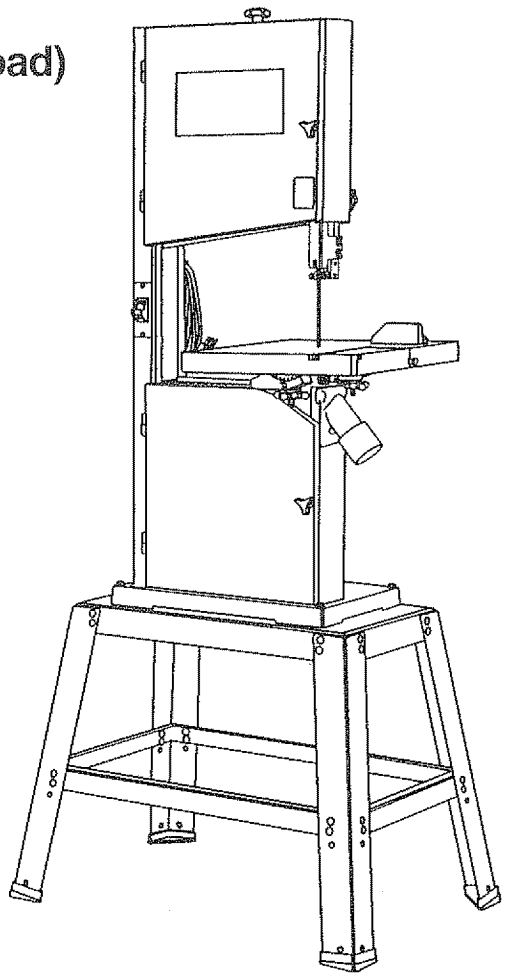
Owner's Manual

CRAFTSMAN®

1 HP (Max. Developed)
1410 and 2600 F.P.M. (No Load)
Leg Stand

12" BAND SAW

Model No.
137.224120



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

Customer Help Line
1-800-843-1682

Sears, Roebuck and Co., Hoffman Estates, IL 60179 USA
Part No. 137224120002

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SECTION PAGE

PRODUCT SPECIFICATIONS

MOTOR

Power source		120 V AC, 60 HZ, 7.5 AMPS
Horsepower		1 HP (Max. Developed)
Speeds	High	2600 F.P.M.
	Low	1410 F.P.M.
Type		Induction

CUTTING CAPACITY

Throat	12-1/2"
Height	6"

BLADE CAPACITY

Width	1/8", 1/4", 3/8", 1/2"
Length	91"

TABLE

Size	14" x 14"
Tilt	0 - 10° Left, 0 - 45° Right

BLADE INCLUDED	3/8" x 91", 6 TPI
DUST COLLECTION	Yes
MITER GAUGE	Yes

⚠ 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 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 KID-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 the 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 which 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 seriously hurt you when they break.
13. **WEAR A FACE MASK OR DUST MASK.** Sawing and sanding operations produce 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 owner'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 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.

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. **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

. **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.

. **TURN** the saw OFF and unplug the saw before moving it.

. **USE THE CORRECT** size and style of blade.

. **USE** blades recommended at 2600 FPM or greater.

. **MAKE SURE** the blade teeth point down and towards the table.

. **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.

. **TABLE LOCK HANDLE** should be tight.

. **USE EXTRA CAUTION** with large, very small or awkward workpieces.

. **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.

0. **WORKPIECES** 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 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. **MAKE RELIEF CUTS** when cutting long curves.

16. **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.

17. **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.

18. **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.
7. Do not remove jammed cutoff pieces until blade has stopped.
8. Maintain proper adjustment of blade tension, blade guides, and thrust bearings.
9. Adjust upper guide to just clear workpiece.
10. Hold workpiece firmly against table.

ELECTRICAL REQUIREMENTS

POWER SUPPLY AND MOTOR SPECIFICATIONS

⚠ WARNING

To avoid electrical hazards, fire hazards, or damage to the

SAVE THESE INSTRUCTIONS

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 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.

This tool is intended for use on a circuit that has a receptacle like the one illustrated in FIGURE A. **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 temporary adapter should be installed by a qualified technician. 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 PROPERLY 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.

Fig. A

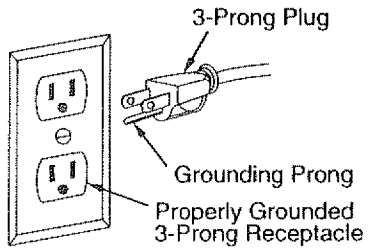
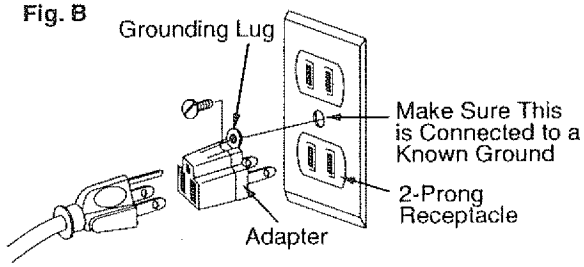


Fig. B



⚠ 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 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, excessiv 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	

SAVE THESE INSTRUCTIONS

ACCESSORIES AND ATTACHMENTS

RECOMMENDED ACCESSORIES

Visit your Sears Hardware Department or see the Craftsman Power and Hand Tool Catalog to purchase recommended accessories for this power tool.

⚠ WARNING

To avoid the risk of personal injury, do not modify the power tool or use accessories not recommended by Sears.

ITEM
Blade: 1/8", 1/4", 3/8", 1/2" wide, 91"- 91 1/2" long
Sandpaper belt: 1/2" wide, 91"- 91 1/2" long

⚠ WARNING

Use of improper accessories may cause hazards. Follow instructions that accompany accessories. Do not use any accessory unless you have completely read the instruction or owner's manual for that accessory.

CARTON CONTENTS

UNPACKING AND CHECKING CONTENTS

⚠ 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.

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

⚠ WARNING

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

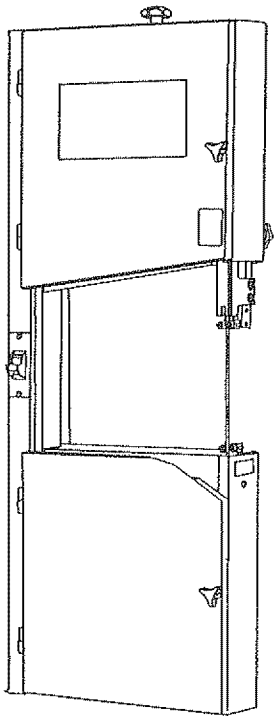
⚠ WARNING

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

ITEM	DESCRIPTION	QUANTITY
A	Band saw	1
B	Table w/insert	1
C	Trunnion	1
D	Star handle table knobs	2
E	Table alignment pin	1
F	Medium hex bolts	4
G	Washers	8
H	Hex nuts	4
I	Short hex bolts, nut, and washers	2
J	Long hex bolt w/nut	1
K	Saw dust port assembly	1
L	Miter gauge	1
M	Power cord wrap brackets	2
N	Phillips screws	2
STAND:		
O	Legs	4
P	Long leg brackets	2
Q	Short leg brackets	2
R	Plastic feet	4
S	Leg stand top plate	1
T	Hex wrench	1
U	Miscellaneous bag of carriage bolts, nuts and washers	

UNPACKING YOUR BAND SAW



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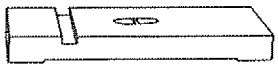

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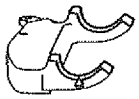

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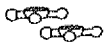

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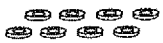

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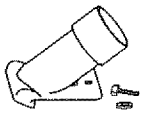

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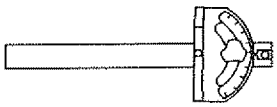

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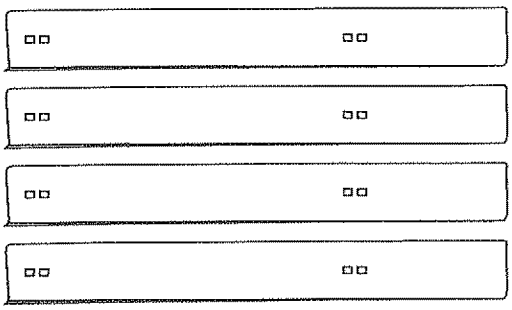

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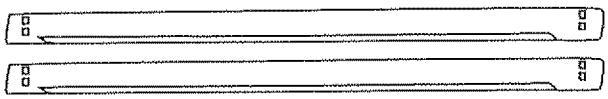

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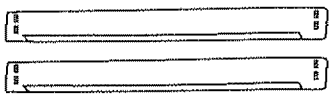

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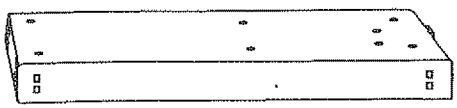

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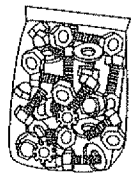

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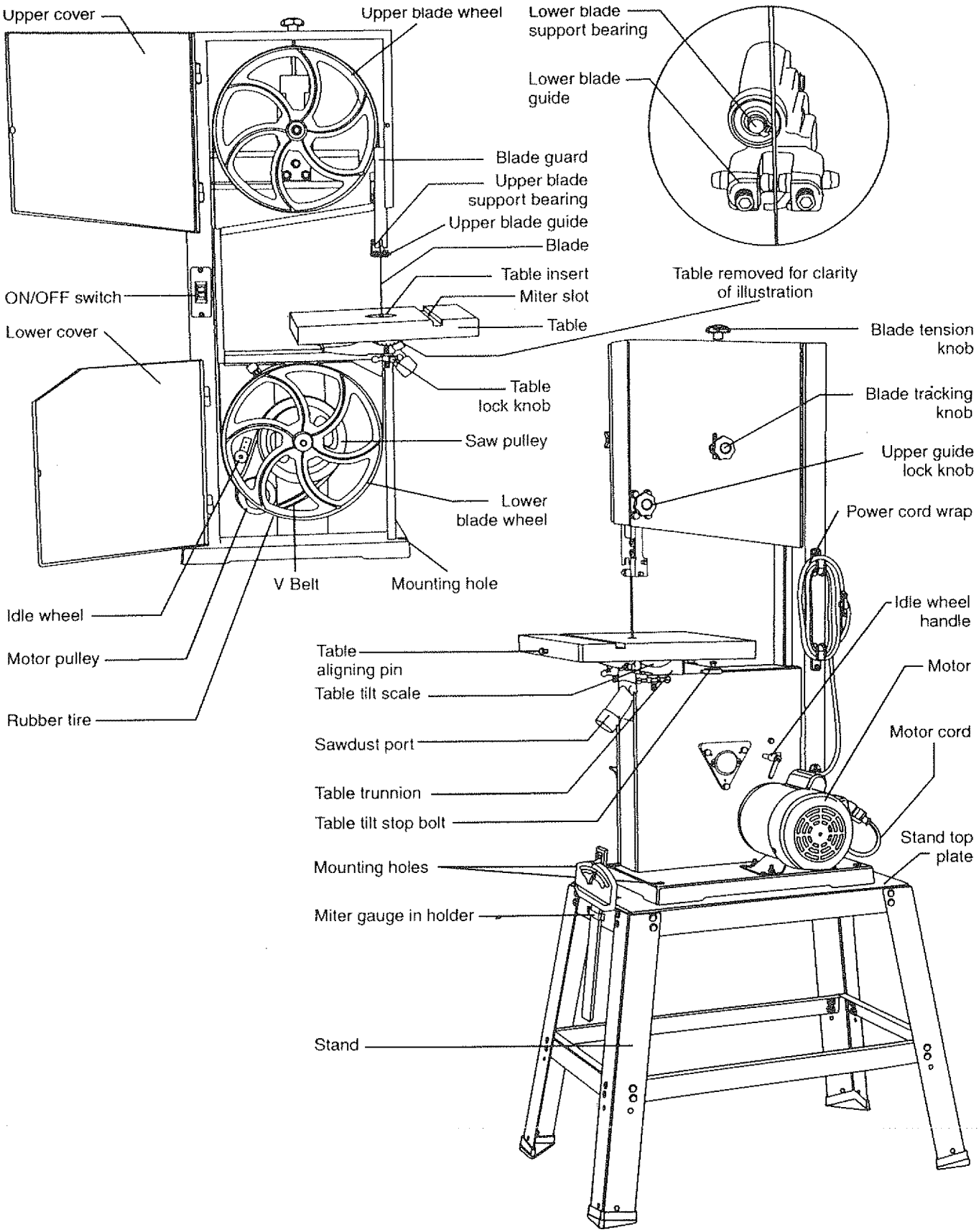
KNOW YOUR BAND SAW



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 the blade is changed or replaced.

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

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

IDLE WHEEL HANDLE – Moves the idle wheel for proper tensioning of the V-belt.

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.

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 you adjust the upper guide assembly to make sure the upper blade guide just clears the 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.

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

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 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 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.

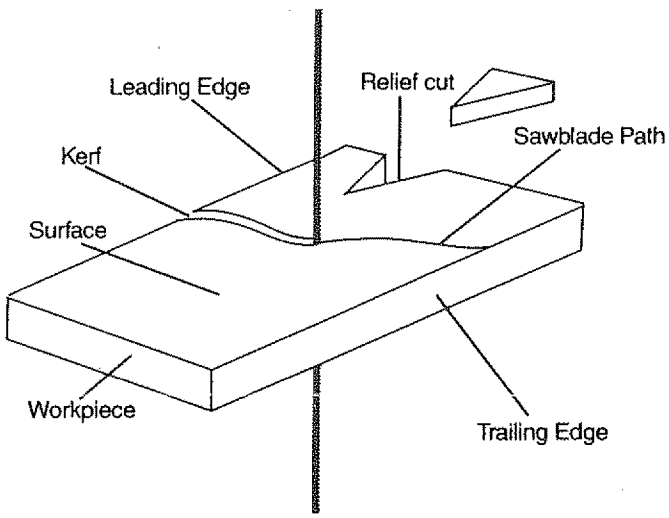
SAW BLADE PATH – The area of the workpiece or table top directly in line with the travel of the blade or the part of the workpiece which will be cut.

SET – The distance between two adjacent saw blade teeth tips 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.

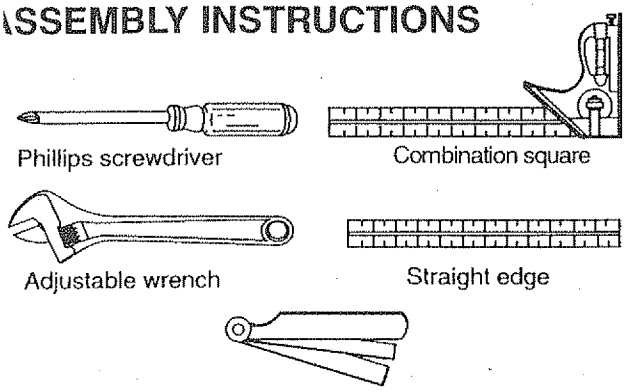
WORKPIECE – The item being cut. The surfaces of a workpiece are commonly referred to as faces, ends, edges.

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



ASSEMBLY AND ADJUSTMENTS

\SSEMBLY INSTRUCTIONS



Phillips screwdriver

Combination square

Adjustable wrench

Straight edge

Feeler gauge - size 0.02

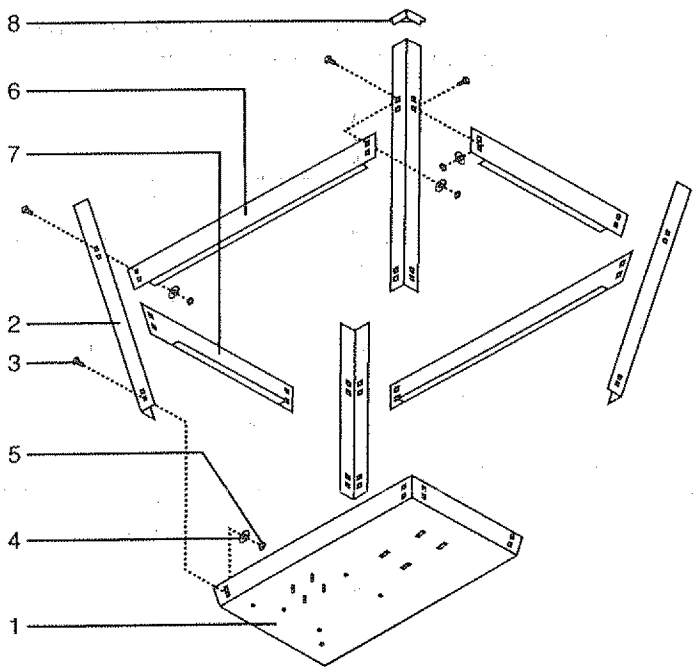
⚠ WARNING

or your safety, never connect plug to power source
eceptacle until all assembly and adjustment steps are
ompleted, and you have read and understood the safety
nd operating instructions.

EG STAND ASSEMBLY (FIG. A)

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

FIG. A



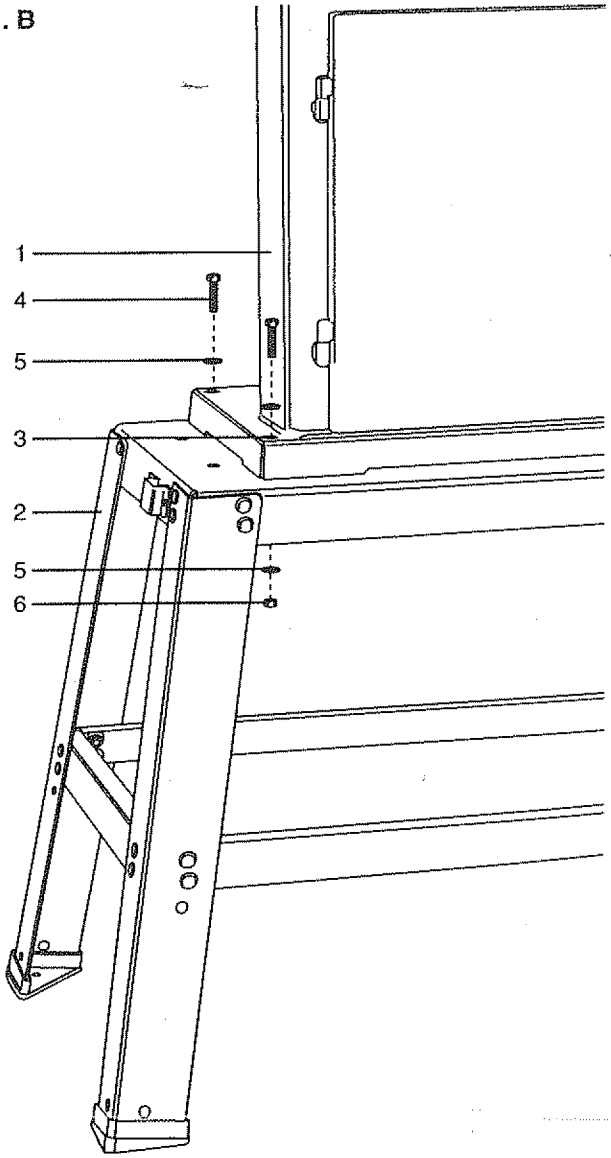
⚠ WARNING

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 with the four mounting holes (3).
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 bolts and nuts with a wrench.

FIG. B

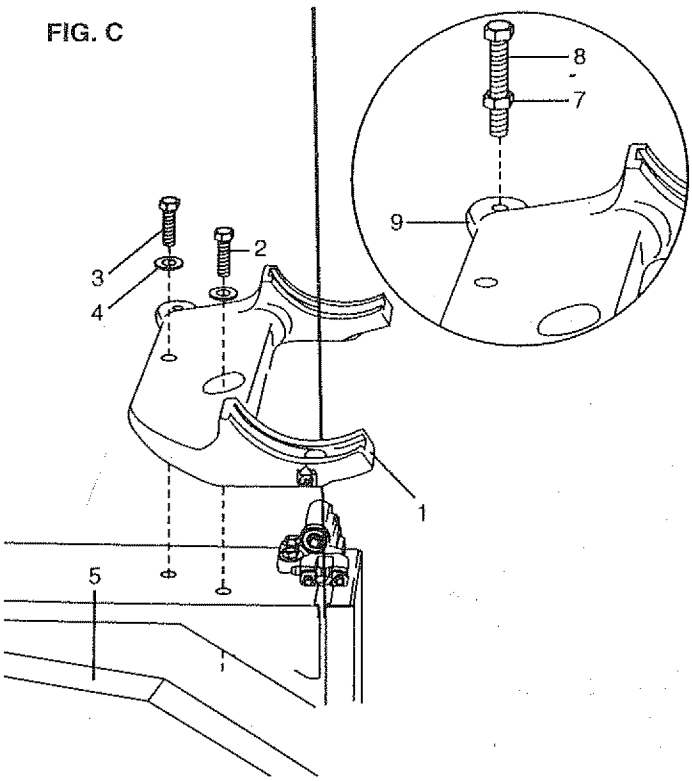


ASSEMBLE THE TABLE

Mounting the trunnion support bracket (FIG. C)

1. Place the trunnion support bracket (1) on the saw body, as shown.
2. Insert two long hex head bolts (2, 3) with flat washers (4) into the threaded holes, through the bracket and saw body.
3. Open the lower wheel cover (5).
4. Thread a hex bolt (2) Tighten.
5. Close the wheel cover.
6. Thread a nut (7) onto the table stop bolt (8) and screw both into the rear tab (9) on the trunnion support bracket.

FIG. C

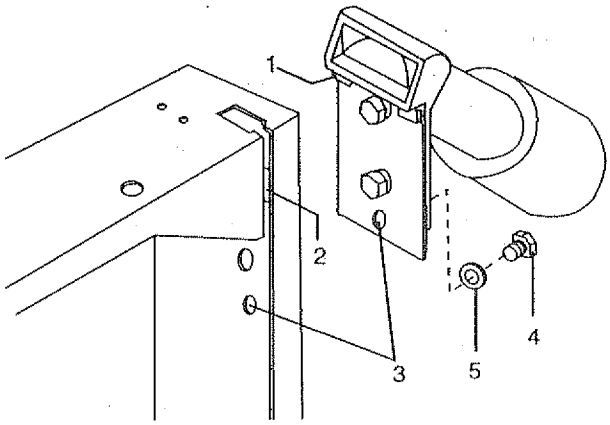


ASSEMBLE THE SAWDUST COLLECTION PORT (FIG. C-1)

1. Slide the hook (1) on the port assembly into the square hole (2) located on the bandsaw housing, below the lower blade guides.
2. Push the flat plate of the port against the outside of the band saw to align the holes (3).
3. Place a washer (5) on the screw (4), insert and tighten.

NOTE: When operating the band saw, for best sawdust exhaust attach a dust collection or vacuum hose.

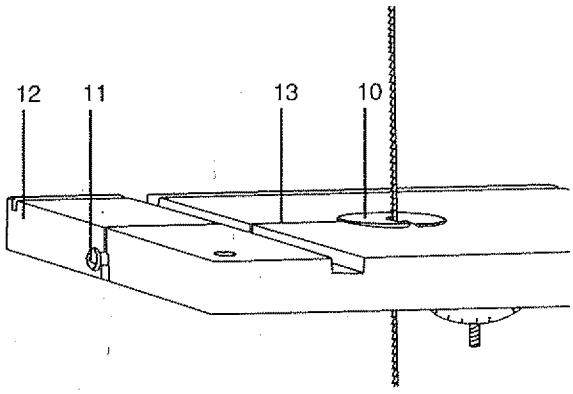
FIG. C-1



Mounting the table (FIG. D, E)

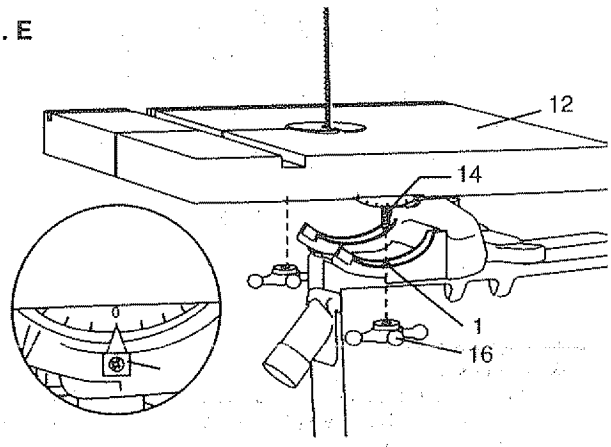
7. Remove the table insert (10) and table aligning pin (11) from the table (12).
8. Guide the table slot (13) over the saw blade and rotate a 1/4 turn, so the slot is perpendicular to the blade.

FIG. D



9. Place the table (12) into the support bracket (1), guiding the bolts (14) in the scale brackets through the holes in the trunnion bracket (1).
10. Align the 0° mark on the scale to the pointer (15) on the trunnion.
11. Attach the star handle table lock knobs (16) to the bolts and tighten. **(FIG. E)**
12. Replace the table insert (10), aligning the indents.
13. Place the table aligning pin (11) in the front of the table, into the slot (13), and tighten. **(FIG. D)**

FIG. E



INSTALLING AND REMOVING BLADES (FIG F)

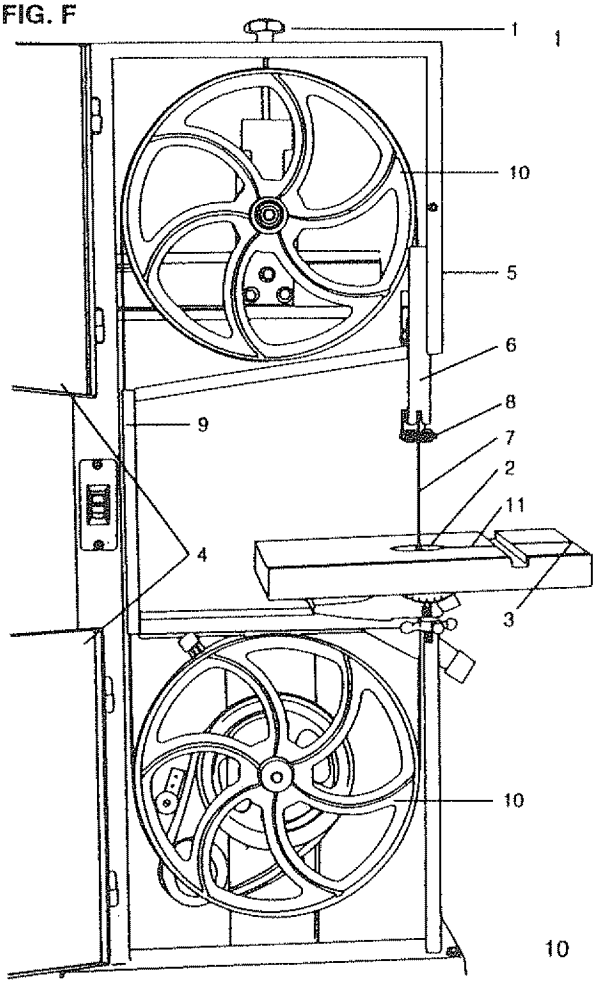
⚠ WARNING

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. Pull the cover knobs to 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 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.

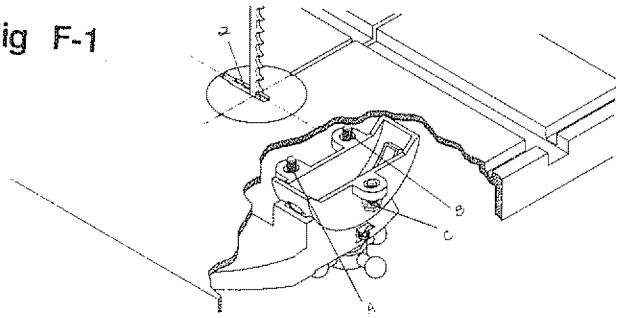
FIG. F



⚠ WARNING

Make sure the blade is in center of table insert slot(2)
Then Tighten the screw(A-C) which under the tabe both side..
as shown Fig F-1

Fig F-1



Installing

1. Make sure the blade tension knob (1) is turned counterclockwise until it stops.
2. Remove the table insert (2) and the table aligning pin (3) from the table.
3. Open the upper and lower wheel cover doors (4).
4. Loosen and remove the blade guard (6).
5. Guide the new blade (7) through the table slot (11), making sure the blade teeth are pointing forward and down.

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

6. Swinging the left side away and back, place the blade on the upper and lower wheels (10).
7. Place the blade carefully between the upper and lower blade guides (8).
8. 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.
9. Turning the blade tension knob clockwise, tighten the tension until the blade is tight on the wheels.
10. Replace the table insert and the table aligning pin.
11. Adjust the blade tracking and tension properly (See ADJUSTMENT INSTRUCTIONS section) before operating the band saw.
12. Push the wheel cover doors closed.

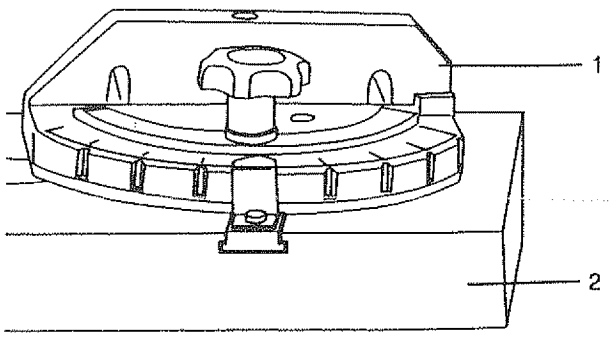
⚠ WARNING

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. G)

A miter gauge (1) is supplied with your band saw to be used with the table (2). The table is equipped with a slot on the right side of the blade for the miter gauge. The miter gauge can be tilted 0° to 45° right or left. A bracket is provided on the leg stand for convenient miter gauge storage.

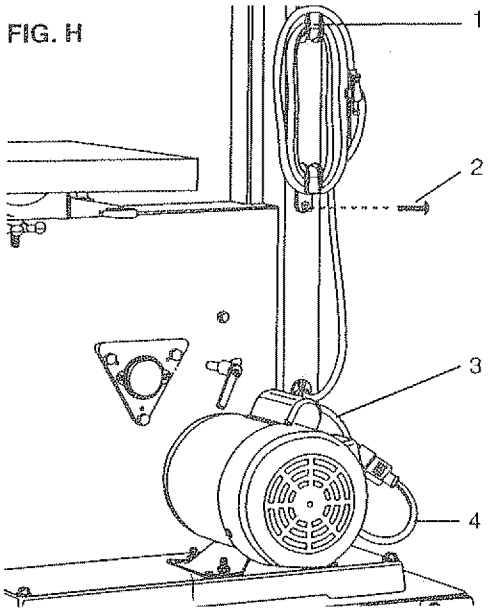
FIG. G



INSTALL POWER CORD BRACKETS (FIG. H)

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 pan head screws (2). Tighten.
2. Connect the band saw short power cord (3), to the motor power cord (4).

FIG. H



ADJUSTMENT INSTRUCTIONS

⚠ WARNING

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

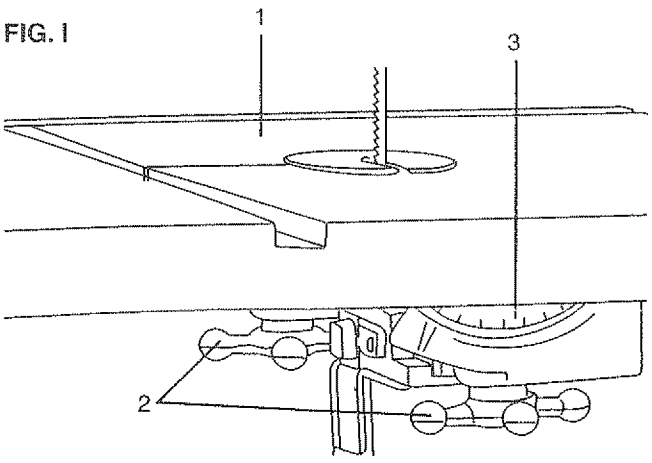
TILTING THE TABLE (FIG. I)

The band saw table (1) tilts 0° to 45° to the right and 10° to the left.

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.

NOTE: The 90° table stop bolt must be lowered to tilt the table 10° to the left.

FIG. I

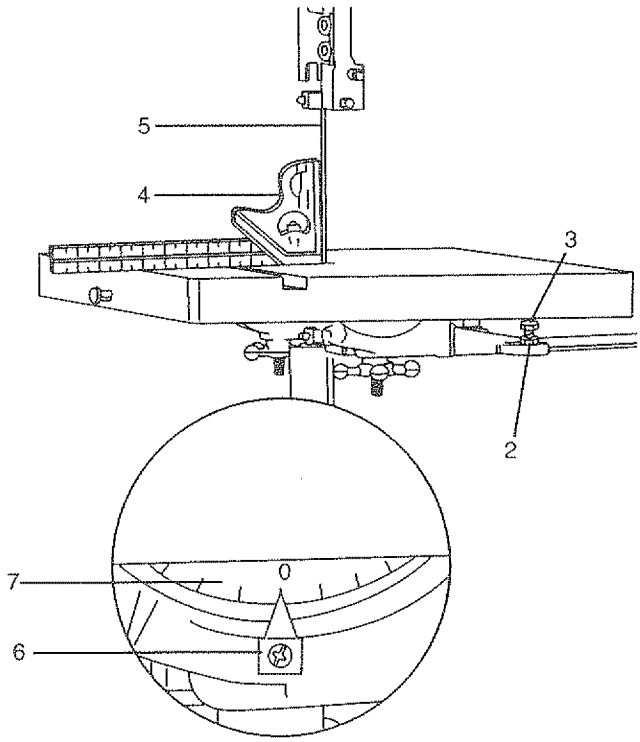


ADJUSTING THE 90° TABLE STOP (FIG. J)

1. Loosen the table lock knobs (1) and tilt the table to the right.
2. Loosen the jam nut (2) on the table stop bolt (3) and lower the stop bolt.
3. Tilt the table to the left until it rests on the stop bolt.
4. Place a combination square (4) on the table with the heel of the square against the blade (5).
5. Adjust the tilt of the table left or right until it is 90° to the blade and there is no space between the square and the blade. Tighten the table lock knobs.
6. Adjust the table stop bolt (3) up until it touches the table. Tighten the jam nut (2).
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 (6) on the scale (7) to 0°

NOTE: The table stop bolt must be lowered to tilt the table 10° to the left.

FIG. J



ɪLADE TENSION (FIG. K, K-1)

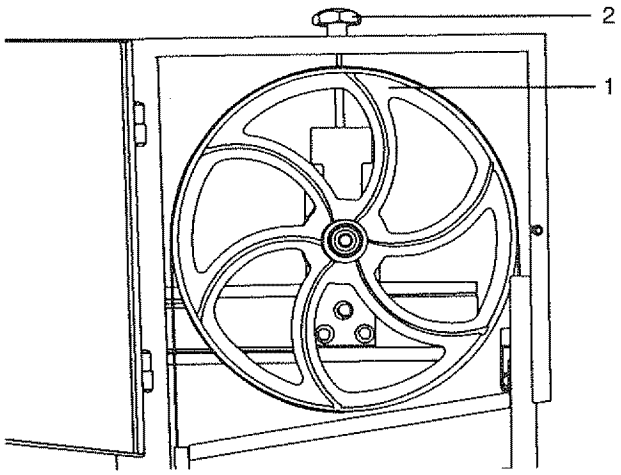
⚠ WARNING

ɔ avoid injury, turn the switch OFF and disconnect the aw from the power source before making any djustments. NEVER make tension adjustments with the ıachine running.

. Loosen the butterfly nut (6) and the rolled nut (7) located on the back of the band saw, under the blade tracking knob (5). **(FIG. K-1)**
. The upper wheel (1) is spring loaded. Adjust the blade tension by raising or lowering the upper wheel. **(FIG. K)**
. Turn the blade tension knob (2) clockwise to raise the wheel and tighten the blade, counterclockwise to lower the wheel and loosen the tension.
. As you become familiar with the saw, you may want to change the tension settings.
. Complete the blade tracking adjustments before operating the band saw.

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. K



ɜLADE TRACKING (FIG. K-1, L)

⚠ WARNING

ɔ avoid injury, turn the switch OFF and disconnect the aw from the power source before making any adjustments. ɴEVER make tracking adjustments with the machine unning.

. The blade (1) must be tensioned properly before adjusting the tracking.
:. Open the upper cover. **(FIG. L)**
ɜ. Move the blade guides (2) and support bearings (3) away from the blade, if necessary.
ɬ. 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) 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.
7. Tighten the butterfly nut (6) and the rolled nut (7) after you have completed the "Blade tension" and "Blade tracking" adjustments. **(FIG. K-1)**

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

FIG. K-1

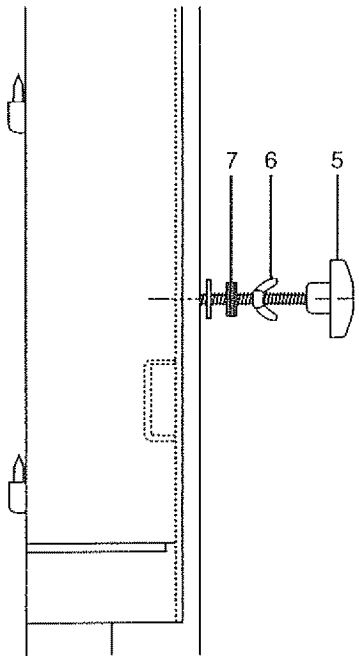
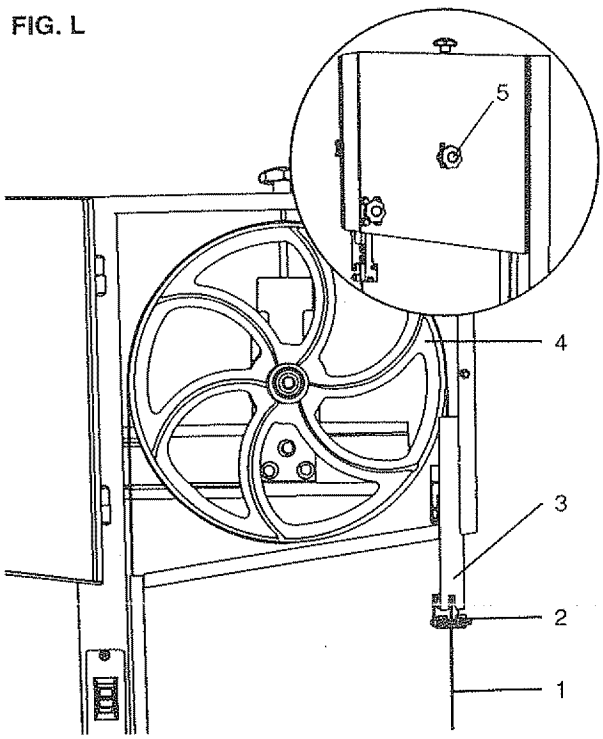


FIG. L



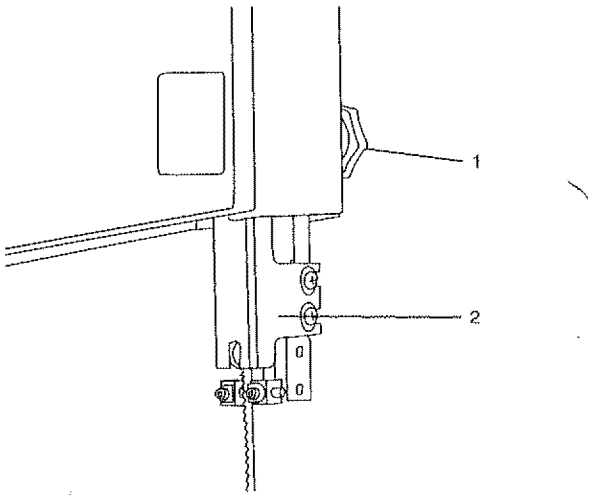
UPPER BLADE GUIDE ASSEMBLY (FIG. M)

⚠ 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. M



UPPER BLADE GUIDES AND BLADE SUPPORT BEARING (FIG. N, O)

⚠ 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

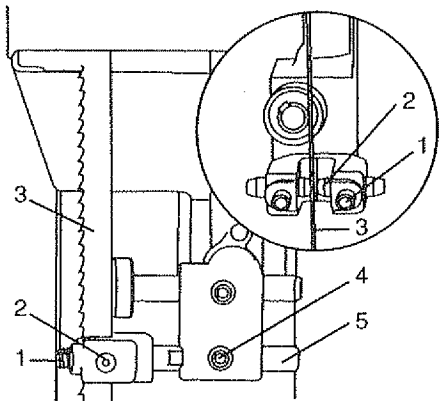
To avoid injury, turn the switch OFF and disconnect the saw from the power source before making any adjustments. NEVER make adjustments with the machine running.

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. N)

1. Make sure the blade is tensioned and tracking properly.
2. Loosen the front set 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 set screws.
6. Loosen the side set screw (4) by turning counterclockwise.
7. Move the blade guide 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 set screw.

FIG. N



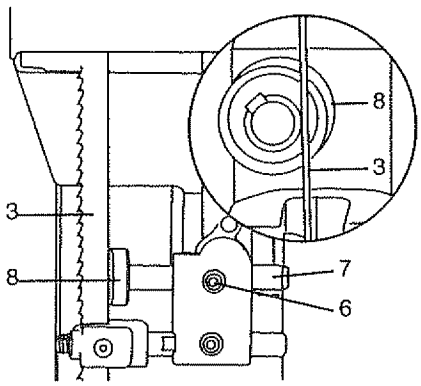
Support bearing (FIG. O)

10. Loosen the bearing set 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 set screw (6).

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

13. 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.

FIG. O



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.

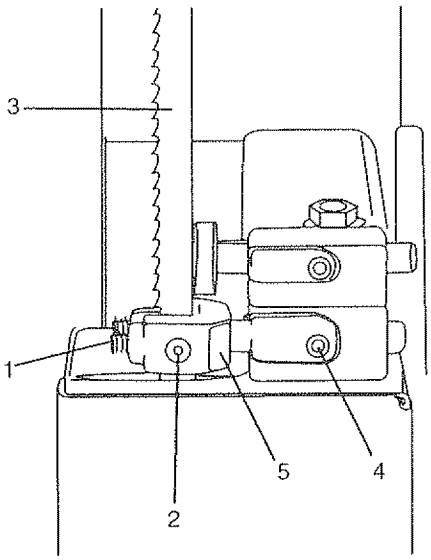
NOTE: Make sure the blade is tensioned and tracking properly.

NOTE: 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. P)

1. Loosen both front set screws (1) with a hex wrench.
2. Move the guide (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 set 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.

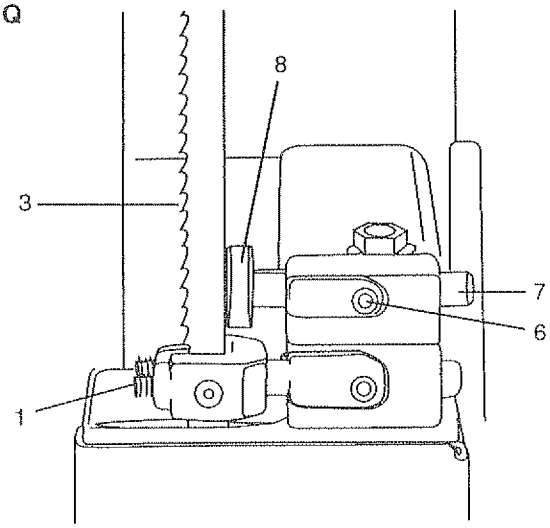
FIG. P



Support bearing (FIG. Q)

6. Loosen the bearing set screw (6) with the hex wrench.
7. Move the blade support bearing shaft (7) in or out until the support bearing (8) is 1/64" behind the saw blade.
8. Tighten the bearing set screw.
9. The blade support bearing should be adjusted so the vertical back edge of the blade (3) overlaps the front face of the support bearing approximately 1/16 to 1/8".

FIG. Q

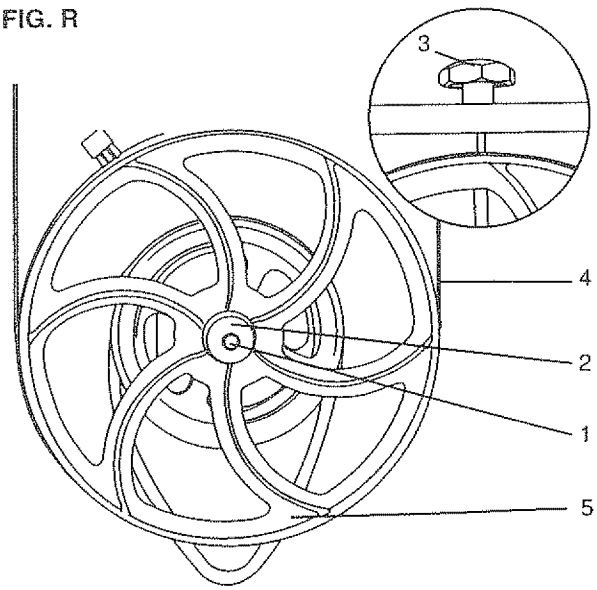


PULLEY ALIGNMENT (FIG. R, S)

This alignment is adjusted at the factory and should not need to be readjusted. However, if there are belt tracking problems do the following:

1. Pull the cover knobs to open the wheel covers. (FIG. R)
2. Loosen and remove the lower blade wheel hex head bolt (1) and flange (2) with an adjustable wrench.
3. Loosen the blade tension by turning the blade tension knob (3) counterclockwise, following the steps in "Blade Tension".
4. Remove the saw blade (4) from the lower blade wheel (5).
5. Remove the lower blade wheel from its shaft.

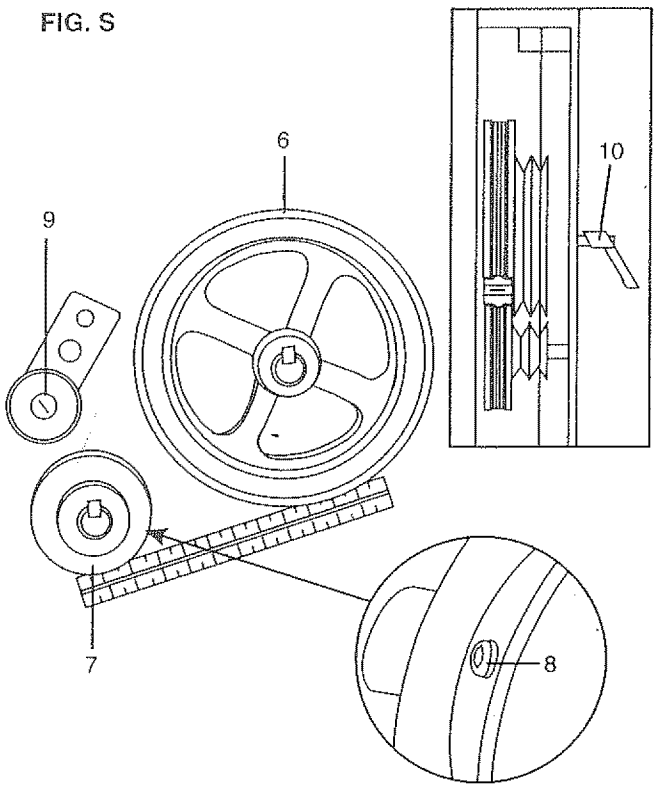
FIG. R



6. Loosen the idle wheel (9) using the idle wheel handle (10) on the back of the band saw.

7. Remove the v-belt (6) from the motor pulley (7). (FIG. S)
8. Place a straight edge in the front groove of both pulleys.
9. If the side edges of the pulleys are not aligned, loosen the motor pulley hex socket screw (8).
10. Adjust the motor pulley in or out on the motor shaft to align the side edges of both pulleys.
11. When aligned, tighten the hex socket screw.
12. Place the v-belt on the motor pulley and saw pulley. Check the belt tension and adjust.
13. Move the idle wheel (9) to press the V-belt, by turning the handle (10).
14. Replace the blade wheel and blade.

FIG. S



⚠ WARNING

To avoid injury, the belt tension, the blade tension, tracking, and upper and lower guides and bearings must be properly adjusted before operating the band saw.

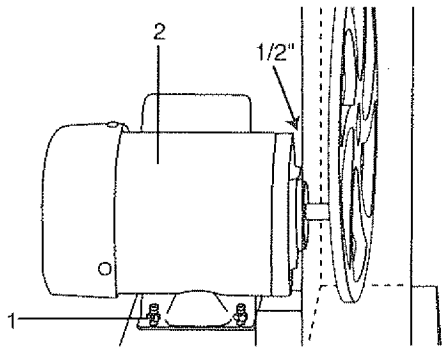
BELT TENSION (FIG. T)

The belt tension may need adjusting if the belt is replaced (See MAINTENANCE Section), or the blade speed is changed (See OPERATION Section).

1. Loosen the idle wheel by turning the idle wheel handle.
2. Loosen the motor mount nuts (1) and slide the motor (2) sideways to increase or decrease the belt tension.
3. The belt tension is correct when there is a 1/2" deflection if the belt is pressed in the center between pulleys.
4. When positioned properly, tighten the motor mount nuts.
5. Tighten the idle wheel handle to press the idle wheel against the V-belt.

NOTE: Do not overtighten the motor mount nuts, tighten just enough to maintain the belt tension.

FIG. T



BASIC SAW OPERATIONS

"ON/OFF" SWITCH (FIG. U)

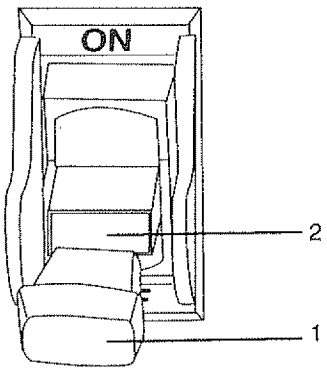
The keyed switch is intended to prevent unauthorized use of the band saw.

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. U



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 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 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 or 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.

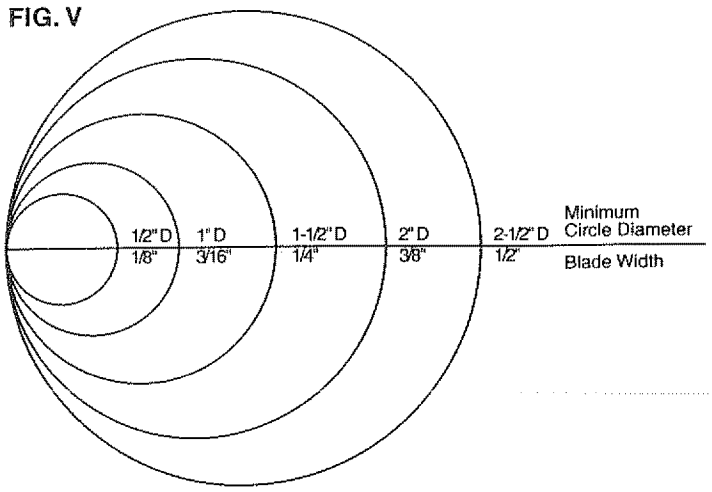
When changing a cut, do not withdraw the workpiece from the blade. The blade may get drawn off the wheels. To change a cut, turn the workpiece and saw out through the scrap material area.

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

CIRCLE CUTTING (FIG. V)

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. V



BLADE SELECTION (FIG. W)

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. V.**

For cutting wood and similar materials with this bandsaw, use blades 90" long in widths up to 1/2".

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. W

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. V on pg. 17
Curve Cutting	1/8, 1/4

BLADE SPEED SELECTION (FIG. X)

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.

FIG. X

SPEED	APPLICATION	BLADE TYPE
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

⚠ 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 shavings from inside the saw before sawing wood again.

THE SANDPAPER BELT

NOTE: A sandpaper belt sands very rapidly. Practice with some scraps of wood before you try to sand your workpiece with the band saw.

NOTE: Read the instruction manual carefully for "BLADE GUIDES AND SUPPORT BEARINGS", "BLADE TENSION" AND "BLADE TRACKING".

1. Open the wheel covers and loosen the blade tension.
2. Remove the blade, table insert, and blade guard.
3. Loosen the side set screws on the upper blade support bearings and blade guides, and push them back as far as they will go. Tighten the set screws.
4. Do the same on the lower blade support bearing and blade guides.
5. Install the sanding belt and adjust the tension carefully.
6. Rotate the upper wheel by hand to check the sanding belt tracking, and adjust if necessary.
7. Close the wheel covers.

   NOTE: A new sanding belt will stretch with use, check the tension and tracking often.

HANGING SPEED SETTING (FIG. Y, Y-1)

WARNING

) avoid injury, turn the switch OFF and disconnect the saw
)m the power source before making any adjustments.
EVER make adjustments with the machine running.

Loosen the idle wheel (6) **(FIG. Y-1)** by turning the idle wheel handle (7). **(FIG. Y)**
Loosen the four motor nuts and slide the motor to loosen the V-belt tension.
Open the lower wheel cover and reposition the V-belt (3).

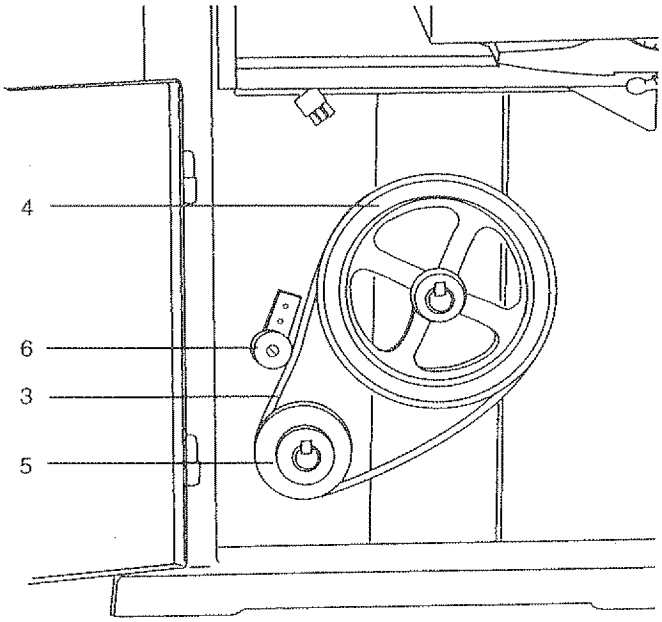
A. Changing the speed from 1410 to 2600 FPM:
Remove the belt (3) from the band saw pulley (4) first, and reposition in the saw pulley groove (1).
Next, remove the belt from the motor pulley (5) and reposition in the motor pulley groove (1).

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).
Next, remove the belt from the saw pulley (4) and reposition in the saw pulley groove (2).

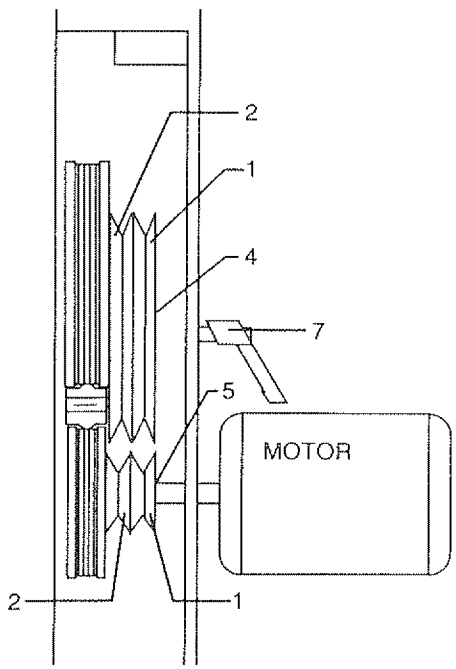
Slide the motor on the motor mounts to reapply tension to the V-belt, and tighten the four nuts.
Turn the idle wheel handle (7) to press the idle wheel (6) against the V-belt. Close the wheel cover.

)TE: After readjusting belt position and belt tension, eck and readjust the settings for the blade tension and cking, guides and bearings. (See ADJUSTMENT section.)

FIG. Y-1



IG. Y



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.

⚠ 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, 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.

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

Do not allow filth 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.

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.

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.

CHANGING BELTS

1. Pull the cover knobs to open the wheel covers.
2. Loosen the idle wheel by turning the idle wheel handle.
3. Loosen the motor mount nuts and slide the motor sideways to loosen the belt tension.
4. Remove the belt from the motor pulley and saw pulley.

   NOTE: The blade wheel may need to be removed for easy access to the pulley belt (See ADJUSTMENT Section).

5. Place the new belt on the motor pulley and saw pulley according to the speed desired (See OPERATION Section).
6. Slide the motor to the side to properly tension the belt, and tighten the motor mount nuts. Do not overtighten.

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

7. Turn the idle wheel handle to press the idle wheel against the belt.
8. Push the cover doors closed before using the band saw.

TROUBLESHOOTING GUIDE

CRAFTSMAN 12" BAND SAW 137.224120

⚠ 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.	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, you are trying to cut too fast. See "MOTOR TROUBLESHOOTING GUIDE".
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 Cause	Remedy
Noisy operation.	1. Incorrect belt tension. 2. Loose motor pulley. 3. Loose pulley cover.	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.	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	1. Plug it into the power outlet. 2. Insert key and turn the switch ON. 3. Take to Sears Service Center for new cord. 4. Take to Sears Service Center for new plug. 5. Re-set; may be too many machines on line. 6. Take to Sears Service Center for repair or replacement.
Motor will not start and fuse or circuit breaker opens.	1. Too many electrical machines. 2. Incorrect fuse. 3. Wheels do not rotate. 4. Undersized extension cord. 5. Short circuit.	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 5. 5. Cord, plug, or motor need repair; take to Sears Service Center for repair.
Motor fails to develop full power.	1. Low line voltage. 2. Faulty motor or capacitor.	1. Check power line for proper voltage. 2. Take to Sears Service Center for evaluation.
Motor overheats.	1. Overload on motor. 2. Poor ventilation of motor. Provide better air circulation. 3. Capacitor failure.	1. Reduce load to motor, feed work slower into blade. 2. Unplug and clean out around motor; provide better air circulation. 3. Take to Sears Service Center for repair.
Motor stalls or slows.	1. Motor overload. 2. Low line voltage. 3. Loose wire connections. 4. Faulty motor.	1. Reduce load to motor, feed work slower into blade. 2. Check power line for proper voltage. 3. Take to Sears Service Center for repair. 4. Take to Sears Service Center for repair.
Frequent fuse or circuit breaker failure.	1. Motor overload. 2. Overload of electrical circuit. 3. Incorrect fuse or circuit breaker.	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

RAFTSMAN 12" BAND SAW

137.224120

WARNING

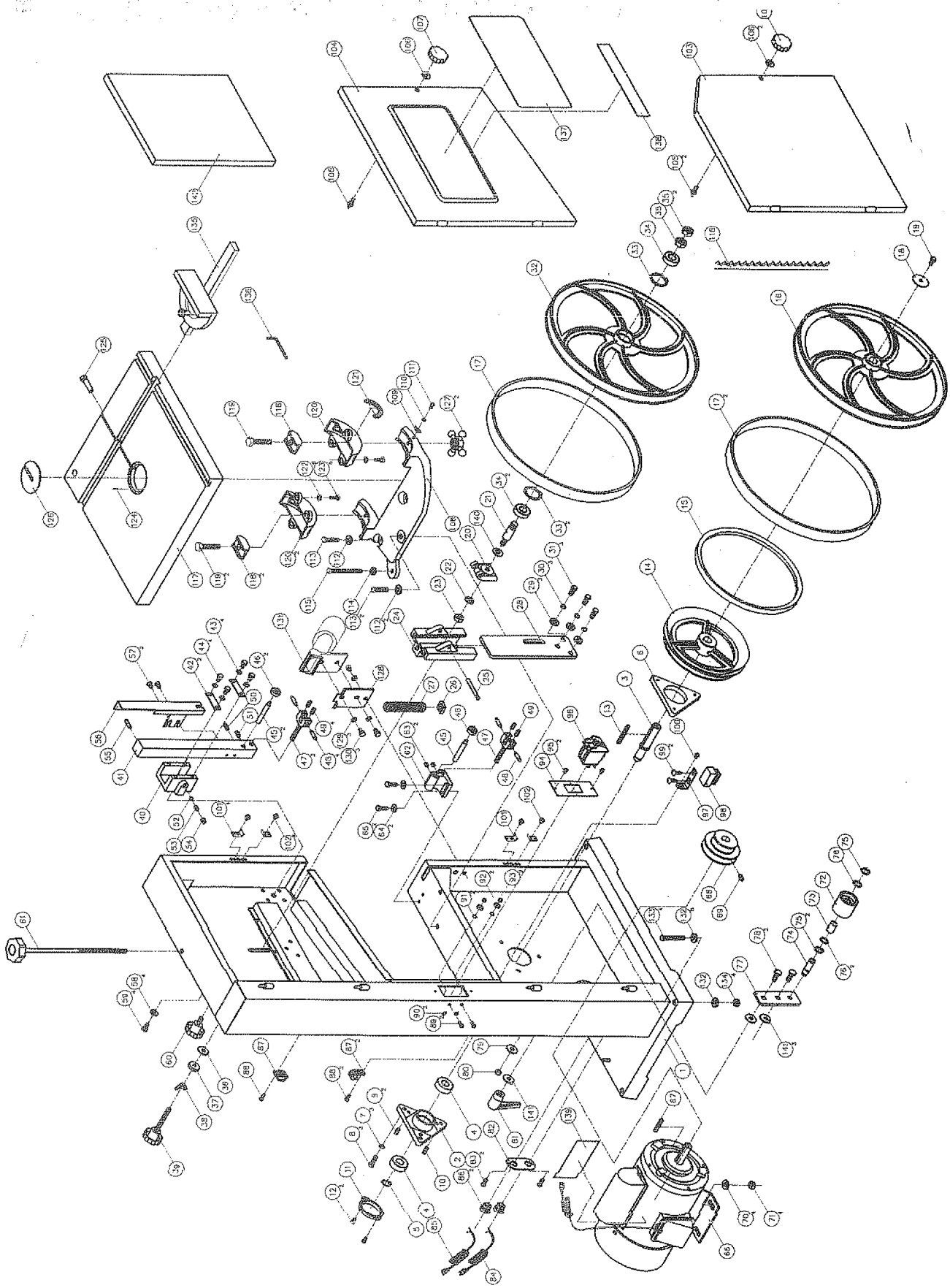
hen servicing use only CRAFTSMAN replacement parts. Use of any other parts may create a HAZARD or cause oduct damage.

WARNING

ıy attempt to repair or replace electrical parts on this band saw may create a HAZARD unless repair is done by a ıalified service technician. Repair service is available at your nearest Sears Service Center.

Order by PART NUMBER, not by key number

Key No.	PART NUMBER	Description	Size	Qty
1	3AE00101	Main Body	EBS-12"(C)	1
2	3AE00201	Bearing Holder	EBS-12"	1
3	3AE00301	Shaft of lower wheel	EBS-12"(C)	1
4	3AE00401	Ball bearing	6202ZZ	2
5	3AE00501	C ring	S-15	1
6	3AE00601	Strong Attachment	EBS-12"(C)	1
7	3AE00701	Spring washer	1/4"	3
8	STD522510	Hex screw	1/4"*1	3
9	3AE00901	Screw (Headless)	1/4"*1/2"	2
10	3AE01001	Screw (Headless)	1/4"*5/8"	1
11	3AE01101	Bearing cover	EBS-12"	1
12	3AE01201	Cross head screw	3/16"*3/8"	2
13	3AE01301	Key	5*5*54	1
14	3AE01401	Pulley (2 Slot)	EBS-12"(C)Φ180*Φ163	1
15	3AE01501	V-belt	LA-27	1
16	3AE01601	lower wheel	EBS-12"(C)	1
17	3AE01701	Wheel protector	EBS-12"(PU)	2
18	3AE01801	Flat washer for lower wheel	EBS-12"(C)	1
19	STD522506	Hex screw	1/4"*5/8"	1
20	3AE02001	Upper wheel shaft hinge	EBS-12"	1
21	3AE02101	Shaft of upper wheel	EBS-12"	1
22	3AE02201	Spring washer	3/8"	1
23	3AE02301	Hex.Nut	3/8"	1
24	3AE02401	Bracket	EBS-12"	1
25	3AE02501	Hinge rod	EBS-12"	1
26	3AE02601	Square tension adjusting nut	5/16"	1
27	3AE02701	Spring	EBS-12"(C)	1
28	3AE02801	Guidepost bracket	EBS-12"(C)	1
29	3AE02901	Flat washer	5/16"-18	3
30	3AE03001	Spring Washer	5/16"	3
31	STD523106	Hex screw	5/16"*5/8"	3
32	3AE03201	Upper wheel	EBS-12"(C)	1
33	3AE03301	Ring	R-32	2
34	3AE03401	Ball bearing	6002ZZ	2
35	3AE03501	Nut	1/2"	2
36	3AE03601	Flat washer	5/16"-23	1
37	3AE03701	Rolled nut	5/16"	1
38	3AE03801	Butterfly nut	5/16"	1
39	3AE03901	Star knob W/I screw	5/16"*2 1/2"	1
40	3AE04001	Guide bar holder	EBS-12"(C)	1
41	3AE04101	Guide bar	1"*1"*280L	1
42	3AE04201	Steel plate	EBS-12(C)	2
43	3AE04301	Spring washer	1/4"	4
44	STD522503	Hex screw	1/4"*3/8"	4
45	3AE04501	Bearing guide rod	EBS-12"(C)	2
46	3AE04601	Ball bearing	626ZZ	2
47	3AE04701	Y type block	EBS-12"	2
48	3AE04801	Steel pin	1/4"*25L	4
49	3AE04901	Screw (Headless)	1/4"*1/2"	4
50	3AE05001	Screw (Headless)	1/4"*1/2"	1
51	3AE05101	Screw (Headless)	1/4"*5/16"	1
52	3AE05201	Steel ball	1/4"	1
53	3AE05301	Pointer	WA-14"(C)	1
54	3AE05401	Screw (Headless)	5/16"*5/16"	1
55	3AE05501	Spring pin	6*20	1
56	3AE05601	Blade guard	EBS-12"	1
57	3AE05701	Cross screw W/I washer	1/4"*3/8"	2
58	3AE05801	Flat washer	1/4"*16	4
59	3AE05901	Hex screw	1/4"*3/8"	4
60	3AE06001	Star knob W/I screw	5/16"5/8"	1
61	3AE06101	Tension screw	EBS-12"	1
62	3AE06201	Lower support bracket	EBS-12"	1
63	3AE06301	Screw (Headless)	1/4"*1/4"	2
64	3AE06401	Flat washer	1/4"*16	2
65	3AE06501	Hex screw	1/4"*5/8"	2
66	3AE06601	Motor W/I power cord	120V 60HZ	1
67	3AE06701	Flat key	5*5*32.5	1
68	3AE06801	Motor pulley	Φ50Φ*76(2 Slot)	1
69	3AE06901	Screw (Headless)	M6*16	1
70	3AE07001	Flat washer	5/16"18	4
71	STD541031	Hex screw	5/16"	4
72	3AE07201	Idle wheel		1
73	3AE07301	Copper bearing	Φ12*Φ14*20L	1
74	3AE07401	Shaft of idle wheel		1
75	3AE07501	C-ring	S-12	2
76	3AE07601	Nylon washer	Φ12.2*Φ18*0.5	2
77	3AE07701	Plate	EBS-12"(C)	1
78	3AE07801	Carriage screw	5/16"*3/4"	2
79	3AE07901	Flat washer	5/16"*18	1
80	3AE08001	Nylon nut	5/16"	1
81	3AE08101	Handle	5/16"	1
82	3AE08201	Plate	Double hole	1
83	3AE08301	Cross head screw	3/16"*3/8"	2
84	3AE08401	Power cord	SJT18*3C*30m75	1
85	3AE08501	Power cord W/I plug	SJT18*3C*2.3m75	1
86	3AE08601	Strain relief bushing	6N-4	2
87	3AE08701	Power cord storage	WA-14"(C)	2
88	3AE08801	Cross head screw W/I washer	3/16"*1/2"	2
89	3AE08901	Cross head screw	3/16"*3/8"	2
90	3AE09001	Earth ground label		2
91	3AE09101	Teeth washer	5mm	2
92	3AE09201	Copper washer		2
93	3AE09301	Hex nut	3/16"	2
94	3AE09401	Swtich plate	SOTO2m/m	1
95	3AE09501	Cross head screw W/I washer	3/16"*3/8"	2
96	3AE09601	Switch		1
97	3AE09701	Bracket for brush	WA-14"(C)	1
98	3AE09801	Brush	EBS-12"(C)	1
99	3AE09901	Self-tapped screw	3/16"*3/8"	2
100	3AE10101	Cross head screw W/I washer	3/16"*3/8"	1
101	3AE10101	Spring plate		4
102	3AE10201	Cross head screw W/I washer	3/16"*1/4"	4
103	3AE10301	Door. lower	EBS-12"	1
104	3AE10401	Door. upper	EBS-12"	1
105	3AE10501	Spring cliper	EBS-12"(C)	2
106	3AE10601	Flat washer	1/4"*16	2
107	3AE10701	Star knob	1/4"	2
108	3AE10801	Bracket for trunnion	EBS-12"(C)	1
109	3AE10901	Pointer	My-2000P	1
110	3AE11001	Spring washer	3/16"	1
111	3AE11101	Cross head screw	3/16"*3/8"	1
112	3AE11201	Flat washer	5/16"*18	2
113	3AE11301	Hex screw	5/16"*1 1/4"	2
114	STD541031	Hex nut	5/16"	1
115	3AE11501	Hex screw	5/16"*3"	1
116	3AE11601	Blade	91"*3/8"*0.65	1
117	3AE11701	Table	WA-14"(C)	1
118	3AE11801	Trunnion clamp shoe	WA-14	2
119	3AE11901	Hex screw	M10*50	2
120	3AE12001	Trunnion	WA-14"	2
121	3AE12101	Scale	45°	1
122	3AE12201	Spring washer	5/16"	6
123	3AE12301	Hex screw	1/4"*5/8"	6
124	3AE12401	Spring pin	Φ3*10	1
125	3AE12501	Table pin	WA-14"	1
126	3AE12601	Table insert	WA-14"	1
127	3AE12701	Star knob	WA-14"	2
128	3AE12801	Fixture plate for dust chute	EBS-12"(C)	1
129	3AE12901	Spring washer	1/4"	3
130	3AE13001	Hex screw	1/4"*1/4"	3
131	3AE13101	Dust chute	Φ2/ 1/2" WA-14"	1
132	3AE13201	Flat washer	5/16"*18	8
133	3AE13301	Hex screw	5/16"*2"	4
134	STD541031	Hex nut	5/16"	4
135	3AE13501	Miter gauge assembly	WA-14"(C)	1
136	3AE13601	Hex wrench	3mm	1
137	3AE13701	Nameplate		1
138	3AE13801	Warning label		1
139	3AE13901	Motor label		1
140	3AE14001	Flat washer	3/8"*22*1T	1
141	3AE14101	Flat washer	5/16"*23	3
142	137224120001	Manual		1



PARTS

CRAFTSMAN 12" BAND SAW LEG STAND 137.224120

⚠ WARNING

When servicing use only CRAFTSMAN replacement parts. Use of any other parts may create a HAZARD or cause product damage.

⚠ WARNING

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 by PART NUMBER, not by key number

Key No.	PART NUMBER	Description	Size	Qty
1	3AD30101	Stand Top Plate		1
2	3AD30201	Leg		4
3	3AD30301	Lower bracket	(short)	2
4	3AD30401	Lower bracket	(long)	2
5	3AD30501	Screw		32
6	3AD30601	Washer		32
7	3AD30701	Nut	1/4x5/8	32
8	3AD31001	Pad		4
9	3AD31101	Miter gauge storage		1
10	3AD31201	Screw		2

CRAFTSMAN 12" BAND SAW LEG STAND