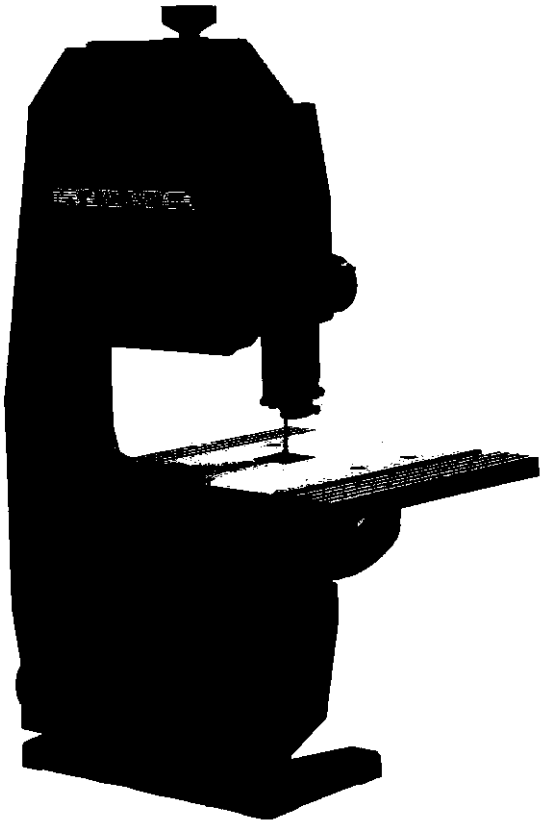
SEARS

RYOBI® OWNER'S OPERATING MANUAL

9" BENCH TOP BAND SAW / BS-900

1980050(C)Ⓤ
08-93



SPECIFICATIONS

Blade width	1/8" to 3/8"
Blade length	59-1/4"
Capacities:	
Frame to Blade	9"
Under guide	3-1/4"
Table Size	11-1/2" x 11-1/2"
Table Tilt	45°R
Input	120 V, 2.5 amp 60 Hz-AC only
No load speed	1,725 RPM
Overall Dimensions (LxWxH)	19-1/2" x 12-1/2" x28"
Net weight	30 lbs.

THANK YOU FOR BUYING A RYOBI BENCH TOP BAND SAW.
Your new saw has been engineered and manufactured to Ryobi's high standard for dependability, ease of operation, and operator safety. Properly cared for, it will give you years of rugged, trouble-free performance.
To ensure your safety and satisfaction, carefully read through this owner's manual before using your new saw. Especially pay close attention to the safety instructions, warnings, and cautions. If you use the saw properly and only for what it is intended, you will enjoy years of safe, reliable service.
Please fill out and return the Warranty Service Registration Card so that we can be of future service to you.
Thank you again for buying a Ryobi band saw.

CONTENTS

SAFETY INSTRUCTIONS

KNOW YOUR POWER TOOL

Safe operation of this power tool requires that you read and understand this owner's manual and all labels affixed to the tool. Learn its applications and limitations as well as the potential hazards peculiar to a bench-top band saw. Keep this manual readily available for future reference.

WARNING!

Do not connect your band saw to a power source until you have assembled and adjusted the saw as described in this manual and have read and understood all precautions and operating instructions in the manual and printed on the tool.

WARNING!

When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury. Use common sense. Some of these basic safety precautions include the following:

SAFETY PRECAUTIONS

1. **KEEP GUARDS IN PLACE** and in good working order.
2. **REMOVE ADJUSTING KEYS AND WRENCHES.** Get in the habit of checking to see that hex keys and adjusting wrenches are removed from the tool before turning it on.
3. **KEEP THE WORK AREA CLEAN.** Cluttered work areas and work benches invite accidents.
4. **DO NOT USE IN DANGEROUS ENVIRONMENTS.** Do not use power tools near gasoline or other flammable liquids, in damp or wet locations, or expose them to rain. Keep the work area well lighted.
5. **KEEP CHILDREN AWAY FROM POWER TOOLS.** All visitors should be kept at a safe distance from the work area.
6. **MAKE THE WORKSHOP CHILD-PROOF** with padlocks and master switches or by removing starter keys.
7. **DO NOT FORCE THE TOOL.** It will do the job better and safer at the rate for which it was designed.
8. **USE THE RIGHT TOOL.** Do not force the tool or attachment to do a job for which it was not designed.
9. **WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry that could get caught in moving parts. Nonslip footwear is recommended. Wear protective covering over long hair.
10. **ALWAYS WEAR SAFETY GLASSES.** Everyday eyeglasses have only impact-resistant lenses; they are NOT safety glasses.
11. **PROTECT YOUR LUNGS.** Wear a face or dust mask if the cutting operation is dusty.
12. **PROTECT YOUR HEARING.** Wear earmuffs or plugs during periods of extended use.
13. **SECURE THE WORK.** Use clamps or a vise to hold the work when practical. It's safer than using your hand and frees both hands to operate the tool.
14. **DO NOT OVERREACH.** Keep proper footing and balance at all times.
15. **MAINTAIN THE TOOL WITH CARE.** Keep blades sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories.
16. **DISCONNECT POWER TOOLS BEFORE SERVICING** or before changing accessories such as blades, bits and cutters.
17. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure the switch is in the OFF position before plugging in the tool.
18. **USE ONLY THE MANUFACTURER'S RECOMMENDED ACCESSORIES.** Consult this owner's manual for recommended accessories. Using improper accessories may increase the risk of injury.
19. **NEVER STAND ON THE TOOL.** Serious injury could occur if the tool is tipped or if the blade is unintentionally contacted.
20. **PERIODICALLY CHECK FOR WORN OR DAMAGED PARTS.** Check for alignment of moving parts, binding of moving parts, breakage of parts, loose mounting brackets, and any other conditions that might affect operation. A guard or other part that is damaged should be properly repaired or replaced. Before the tool is used again, make sure that the repaired or replaced part is operating properly and performing its intended function.
21. **NEVER LEAVE THE TOOL RUNNING UNATTENDED.** Turn off the power. Do not leave the tool until it comes to a complete stop.
22. **DO NOT ABUSE THE CORD.** Never yank the cord to disconnect from the receptacle. Keep the cord from heat, oil, and sharp edges.
23. **KEEP BLADES CLEAN, SHARP, AND ALIGNED.** Sharp blades minimize stalling and kickback. Many saw accidents are caused by dull, badly set, and improperly sharpened cutting tools, by gum or resin adhering to the cutting tools, and by saw blade misalignment with the fence. Such conditions stall the saw or cause the material to stick, jam, or kick back at the operator.
24. **KEEP HANDS AWAY FROM THE CUTTING AREA.** Keep hands away from the blades. Do not reach underneath work or around or over the blade while blade is rotating. Do not attempt to remove material when blade is moving.
25. **KEEP TOOL DRY, CLEAN, AND FREE FROM OIL AND GREASE.** Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products, or any solvents to clean tool.
26. **STAY ALERT.** Never operate a power tool when tired or while under the influence of drugs, alcohol, or medication.
27. **DO NOT USE TOOL IF THE SWITCH DOES NOT**

TURN IT ON AND OFF. Have defective switches replaced by an authorized service center.

28. **ALWAYS TURN SWITCH OFF** before disconnecting it to avoid accidental starting.
29. **ALL REPAIRS, WHETHER ELECTRICAL OR MECHANICAL,** should be made at a RYOBI Authorized Service Center. Use only RYOBI replacement parts.
30. **SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

BENCH TOP BAND SAW SAFETY

To avoid injury from unexpected saw movement:

1. Put the saw on a firm level surface where there is plenty on room for handling and properly supporting the workpiece.
2. Support the saw so the table is level and the saw does not rock.
3. Bolt the saw to the support surface to prevent slipping, walking or sliding during operations like cutting long, heavy boards.
4. Turn saw off and unplug cord before moving the saw.

To avoid injury from jams, slips or thrown pieces:

1. Choose the right size and style blade for the material and the type of cutting you plan to do.
2. **USE ONLY RECOMMENDED ACCESSORIES.** The use of improper accessories may cause risk of injury to persons.
3. Make sure the blade teeth point downward, toward the table.
4. Make sure the blade guides and thrust bearings are properly adjusted.
5. Make sure the blade tension is properly adjusted.
6. Make sure the table lock knob is tight and no parts have excessive play.
7. To avoid accidental blade contact, minimize blade breakage and provide maximum blade support, always adjust the upper blade guide and blade guard to just clear the workpiece.

Use extra caution with large, very small or awkward workpieces:

1. Use extra supports(tables, saw horses, blocks, etc.) for any workpieces large enough to tip when not held down to the table top.
2. Never use another person as a substitute for a table extension, or as additional support for a workpiece that is longer or wider than the basic saw table, or to help feed, support or pull the workpiece.
3. When cutting irregularly shaped workpieces, plan your work so it will not pinch the blade. For example, a piece of molding must lay flat or be held by a fixture or jig. Workpieces must not twist rock, or slip while being cut.
4. Properly support round material such as dowel rods, or tubing. They have a tendency to roll during a cut, causing the blade to "bite". To avoid this, always use a "V" block or clamp the work to the miter gauge.
5. Cut only one workpiece at a time.
6. Clear everything except the workpiece and related support devices off the table before turning the saw on.

Plan the way you will hold the workpiece from start to finish.

1. Do not hand hold pieces so small that your fingers will go under the blade guard. Use jigs or fixtures to hold the work and keep your hands away from the blade.
2. Avoid awkward operations and hand positions where a sudden slip could cause serious injury from contact with the blade.

Whenever saw is running:

1. WARNING!
   Do not let familiarity(gained from frequent use of your band saw) cause a careless mistake. A careless fraction of a second is enough to cause a severe injury.
2. Before starting your cut, watch the saw while it runs. If you experience excessive vibration or unusual noise, stop immediately. Turn the saw off. Unplug the saw. Do not restart until locating and correcting the problem.

Before freeing any jammed material:

1. Turn switch "OFF".
2. Remove switch key.
3. Unplug the saw.
4. Wait for all moving parts to stop.

When backing up the workpiece, the blade may bind in the kerf(cut). This is usually caused by sawdust clogging up the kerf or because the blade comes out of the guides. If this happens:

1. Turn switch "OFF".
2. Remove switch key.
3. Unplug saw.
4. Wait for all moving parts to stop.
5. Open band saw cover.
6. Wedge the kerf open with a flat blade screwdriver or wooden wedge.
7. Turn the upper wheel by hand while backing up the workpiece.

Before removing loose pieces from the table, turn saw off and wait for all moving parts to stop.

Before leaving the saw:

1. Wait for all moving parts to stop.
2. Make workshop child-proof. Lock the shop.
3. Disconnect master switches.
4. Remove the switch key. Store it away from children and others not qualified to use the tool.

EXTENSION CORDS

When using a power tool at a considerable distance from a power source, use an extension cord heavy enough to carry the current that the tool will draw. An undersized extension cord will cause a drop in line voltage, resulting in a loss of power and overheating. Use the chart provided to determine the minimum wire size required in an extension cord. Only round jacketed cords listed by Underwriter's Laboratories (UL) should be used.

When working with the tool outdoors, use an extension cord that is designed for outside use. This is indicated by the letters "WA" on the cord's jacket.

Before using an extension cord, inspect it for loose or exposed wires and cut or worn insulation.

CAUTION!
Keep the cord away from the cutting area and position the cord so that it will not be caught on lumber, tools, or other objects during cutting.

ELECTRICAL CONNECTION

Your RYOBI Band Saw is powered by a precision built Ryobi electric motor. It should be connected only to a power source that satisfies the power input listed on the tool's nameplates. If the nameplate is marked 120 V, AC, or 60 Hz, the tool must be operated only with alternating current (normal household current). Never operate the tool on direct current (DC) or current that is lower or higher than the specified voltage. A voltage drop of more than 10 percent will cause a loss of power and overheating. If the saw does not operate when plugged into an outlet, double-check the power supply rating.

GROUNDING INSTRUCTIONS

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician.

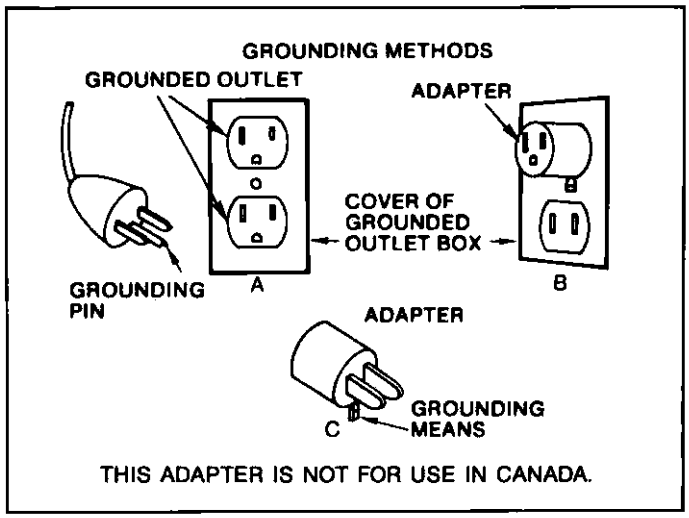
Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-conductor to a live terminal.

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood or if in doubt as to whether 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 a damaged or worn cord immediately.

This tool is intended for use on a circuit that has an outlet like the one shown in part A of the figure and has a grounding plug like the one in part A. A temporary adapter, like the one shown in B and C, may be used to connect this plug to a 2-pole receptacle as shown in part B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed by a qualified electrician. The green-colored rigid ear, lug, and the like extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box.



Ampere rating (on faceplate)	0 - 2.0	2.1 - 3.4	3.5 - 5.0	5.1 - 7.0	7.1 - 12.0	12.1 - 16.0
CORD LENGTH	Wire Size (A.W.G.)					
25'	16	16	16	16	14	14
50'	16	16	16	14	14	12
100'	16	16	14	12	10	-
150'	16	14	12	12	-	-
200'	14	14	12	10	-	-

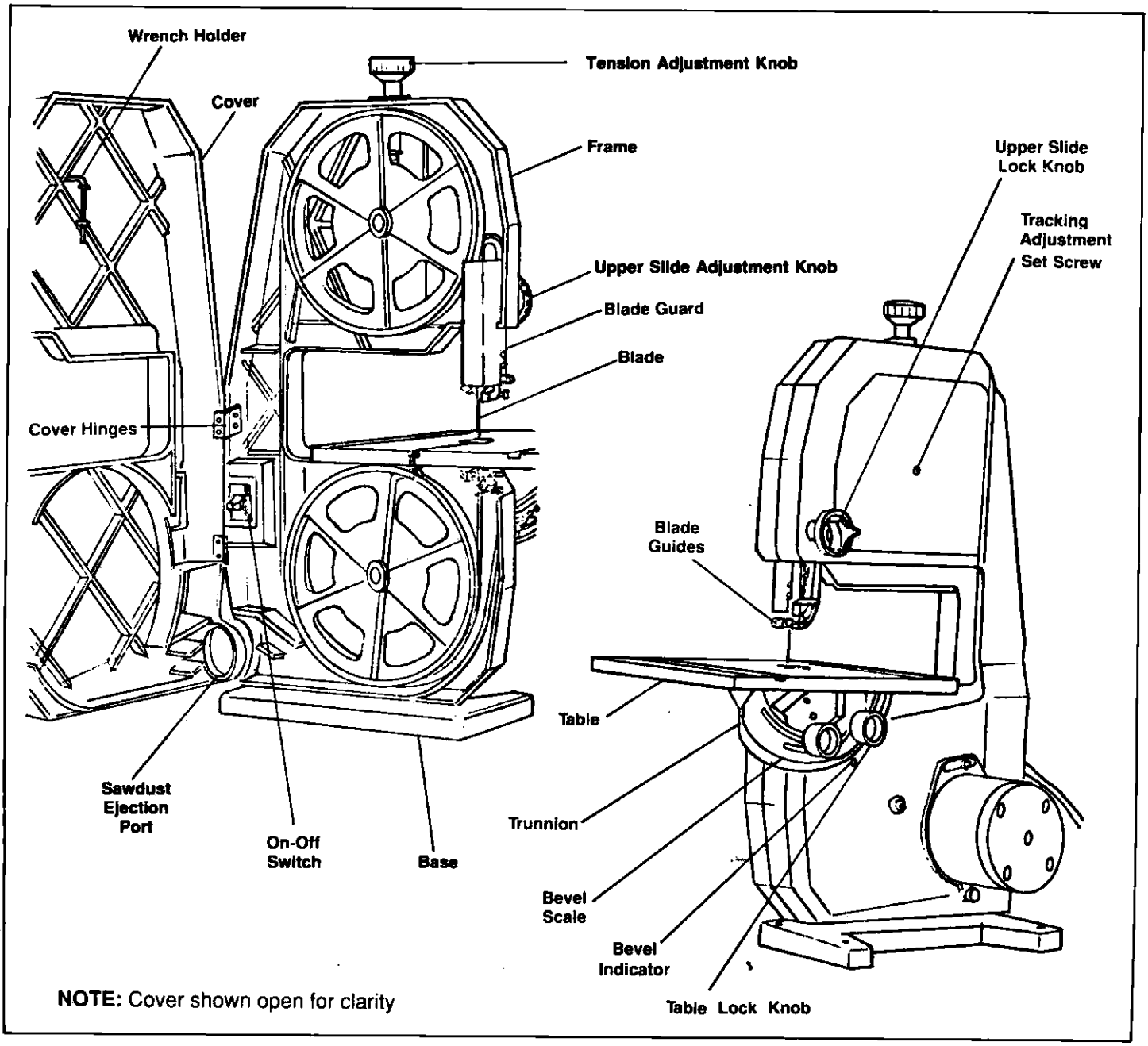
UNPACKING

1. Carefully remove all parts from the shipping carton.
2. Do not discard the packing material until you have identified all the parts using the parts list.
3. If all parts have been included, proceed to assembly.
4. If you are missing a part, contact your dealer to obtain it before attempting to assemble the tool.
5. Examine all the parts to make sure no breakage has occurred during shipping. Any damaged part should be replaced before attempting to use the tool.

LOOSE PARTS LIST

Assemble the following parts according to the instructions on the following pages.

Basic saw assembly
Saw table
Miter gauge
Wing nut 1/4-20
Truss head screw 1/4-20 x 5/8
Hex. wrench key 1/8
Bevel indicator
Phil. pan screw 3/16" x 3/8
Washer 17/64 x 1 x 1/16
Knob (2)
Washer 1/4 x 1.5t (2)



NOTE: Cover shown open for clarity

FEATURES

Familiarize yourself with the following features of the RYOBI benchtop band saw before connecting it to a power source and using it.

BLADE GUIDES

Blade Guides supports the blade and keeps it from twisting during operation. An adjustment is necessary when blades are changed or replaced.

UPPER SLIDE LOCK KNOB

The upper blade guide assembly should just clear the workpiece while cutting. Always adjust the upper guide assembly and lock the upper slide by tightening the upper slide lock knob before turning on the band saw.

TABLE LOCK KNOB

Loosening the knob allows the table to be tilted and tightening the knob locks the table in place.

TILT(BEVEL) SCALE

Tilt(bevel) scale shows degree table is tilted for bevel cutting.

TENSION ADJUSTMENT KNOB

Tension adjustment knob controls the amount of blade tension when changing blades.

TRACKING ADJUSTMENT SET SCREW

Tracking adjustment set screw adjusts to keep blade running in center of wheels.

SAWDUST EJECTION PORT

Sawdust is eliminated from inside of machine. Also, makes an excellent hook-up for a wet/dry vac.

COVER HINGES

Cover hinges allow front cover to be opened for making adjustments to machine.

WRENCH HOLDER

Wrench Holder keeps hex. "L" Wrench conveniently located for blade guide adjustment.

SWITCH

The switch has a built-in safety lock. To lock the switch in the OFF position, remove the safety cover from the switch. Place the switch cover in a location that is inaccessible to children.

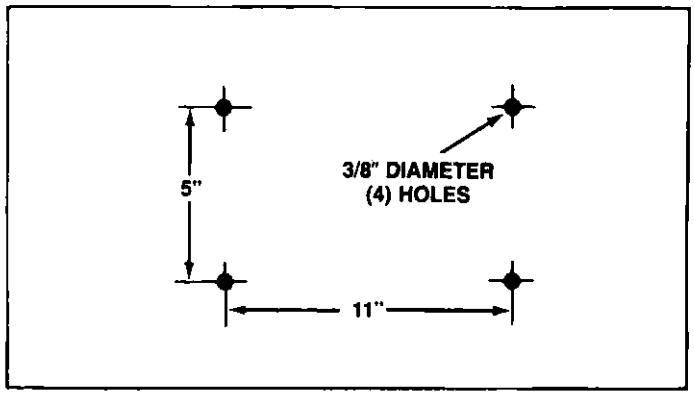
ASSEMBLY

MOUNTING BAND SAW TO WORKBENCH

If band saw is to be used in a permanent location, it should be fastened securely to a firm supporting surface such as a workbench. If mounting to a workbench, holes should be drilled through supporting surface of the workbench using dimensions illustrated.

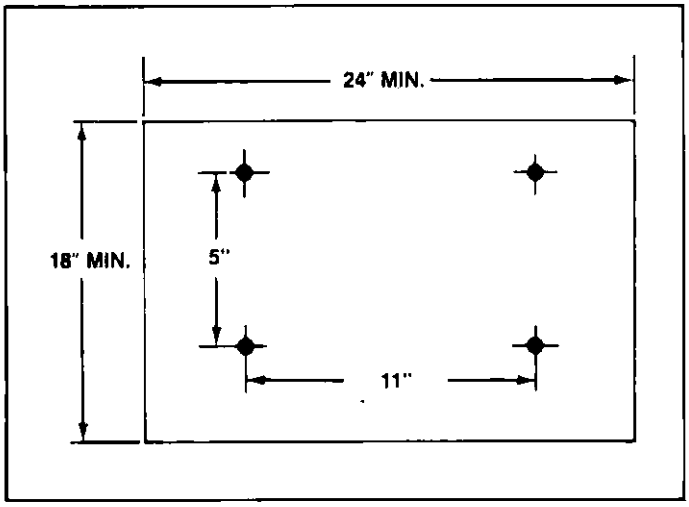
1. Each leg should be bolted securely using 5/1 6" diameter machine screws, lock washers, and 5/1 6" hex nuts (not included). Screw length should be 1 -3/4" plus the thickness of the bench top.
2. Locate and mark the holes where band saw is to be mounted.
3. Drill (4) 3/8" diameter holes through workbench.
4. Place band saw on workbench aligning holes in feet with holes drilled in workbench.
5. insert all four 5/1 6" screws and tighten.

NOTE!
All bolts should be inserted from the top. install the washers and nuts from the underside of the bench,.



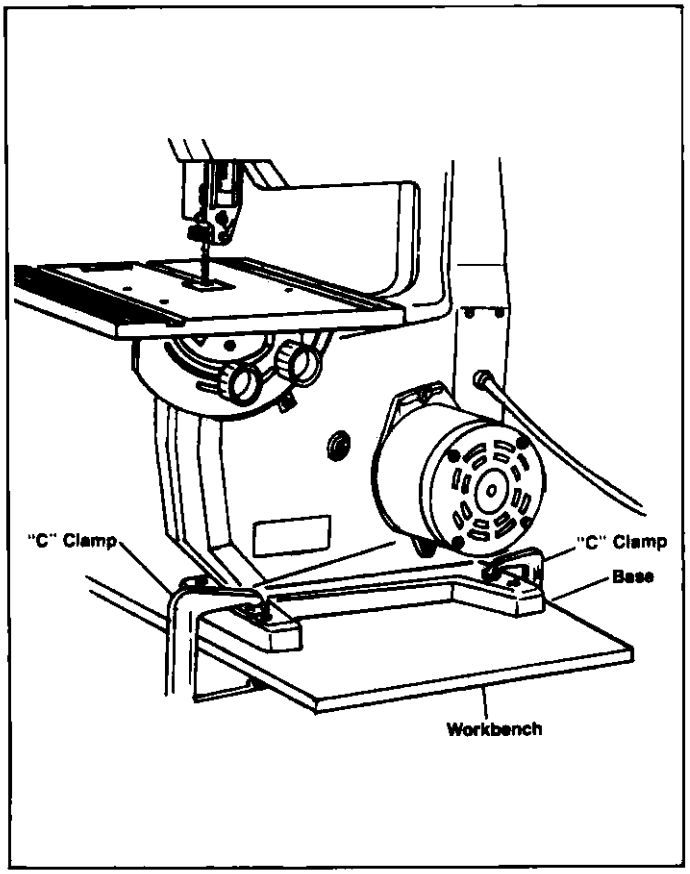
An alternate method of mounting is to fasten band saw to a mounting board. The board should be of sufficient size to avoid tipping of saw while in use. Any good grade of plywood or chipboard with a 3/4" minimum thickness is recommended. (Thinner chipboard can break.) Once the saw is mounted, securely clamp ' the board to the workbench using "C" clamps.

WARNING!
Supporting surface where band saw is mounted should be examined carefully after mounting to insure that no movement during use can result. If any tipping or walking is noted, secure workbench or supporting surface before operating band saw.



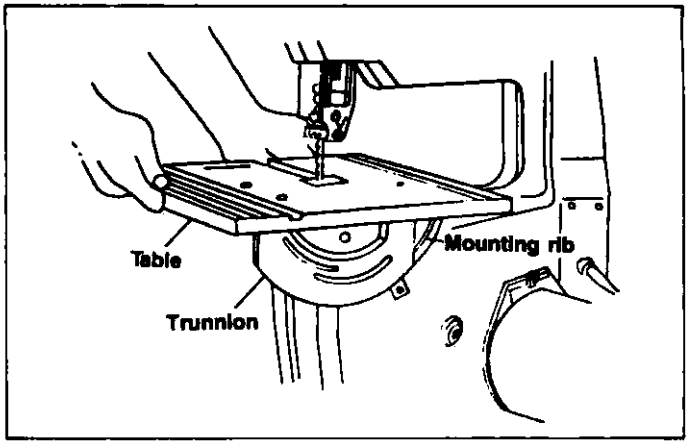
CLAMPING BAND SAW TO WORK-BENCH

The Band Saw can be clamped directly to a workbench using two (2) or more "C" clamps on base of unit.

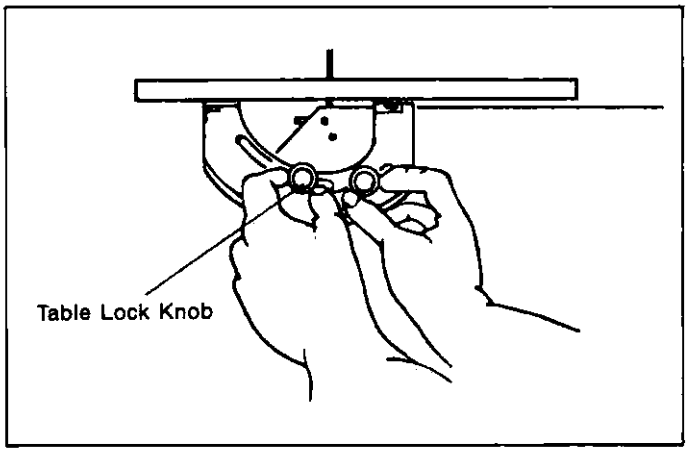


INSTALLING THE TABLE

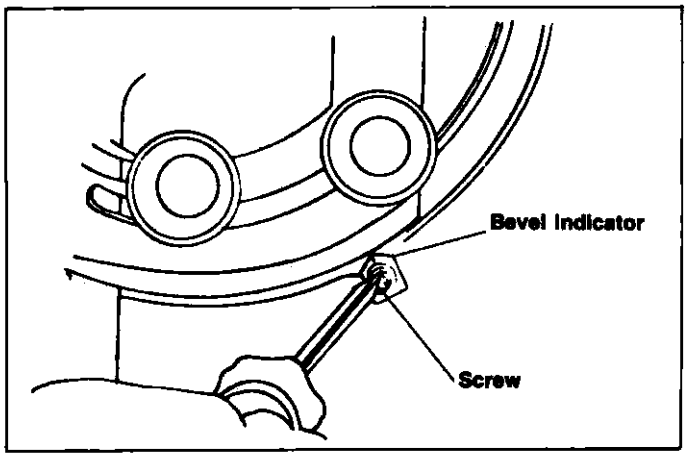
1. Place table onto band saw frame making sure the blade travels through the slot in the table and that the mounting rib on the frame engages with the groove on the inside of the trunnion.



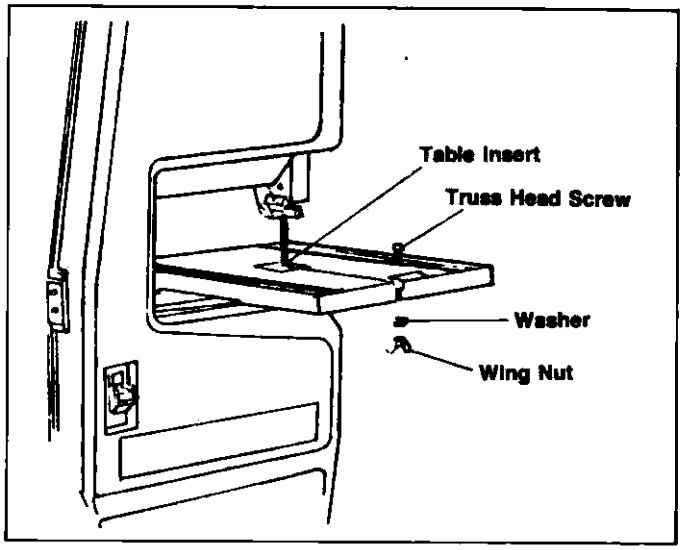
2. Fasten the table to the frame using the two washers and table lock knobs.



3. Assemble the bevel indicator to the saw frame using screw.



4. Place the table insert on the table and assemble the truss head screw, washer and wing nut to the table. The washer and wing nut are positioned below the table.

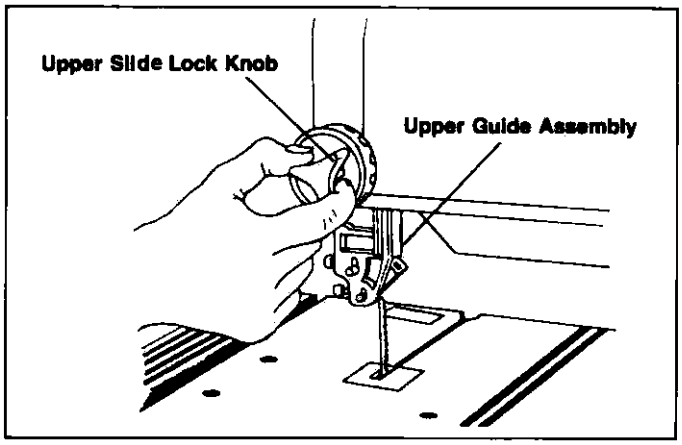


ADJUSTMENTS

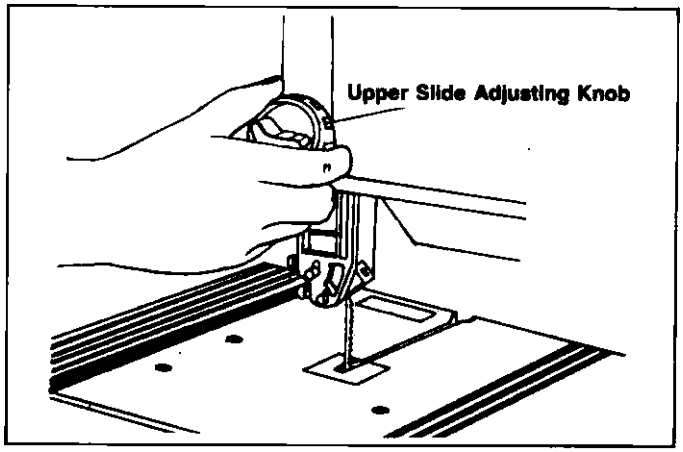
ADJUSTING UPPER BLADE GUIDE ASSEMBLY

The upper blade guide assembly should always be set about 1/8' above or as close as possible to the top surface of the workpiece being cut.

1. Loosen the upper slide lock knob.



2. Rotate the upper slide adjusting knob to position the guide assembly to the desired position.
3. Tighten the upper slide lock knob.



ADJUSTING BLADE

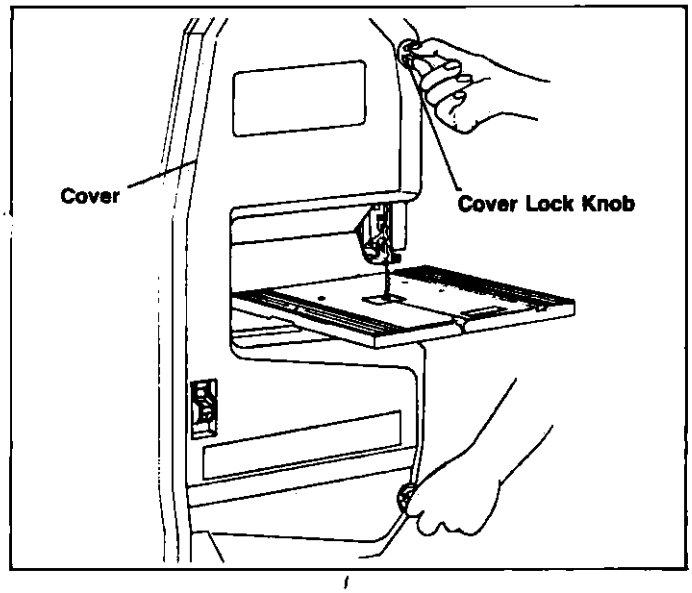
INSTALLING THE BLADE

WARNING!
Turn off saw, remove switch key and unplug saw before removing or installing blade.

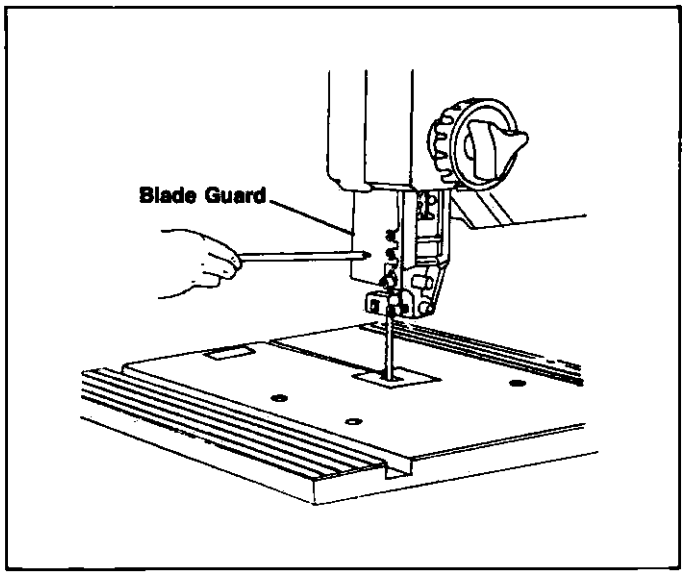
WARNING!
Always wear safety goggles to avoid injury while uncoiling band saw blades.
The band saw blade is under tension. To uncoil the blade, remove the tie and gently toss the blade to the floor in an open unoccupied area. The blade will snap open ready for installation.

1. Loosen the upper slide lock knob and position the guide assembly about half way between the table and the frame. Tighten the lock knob.
2. Open the front cover of the saw by loosening the two(2) cover knobs.
   NOTE!
   Replace the band saw cover after blade is prop-

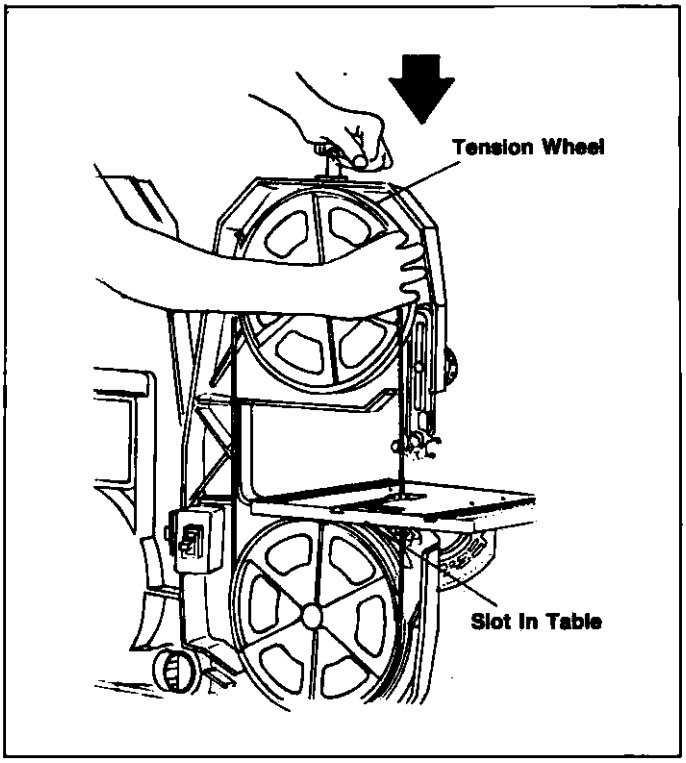
erly installed, tensioned and tracked.



3. Loosen the two blade guard mounting screws and remove the blade guard.
4. Remove truss head screw, washer and wing nut from the table.
   Replace these parts after the blade is installed, tensioned and tracked.



5. Uncoil the blade.
6. Slide the blade into the slot of the table with the teeth facing forward and down toward the table.
7. Place the blade on both wheels. Center the blade on the rubber tires.



TENSIONING THE BLADE

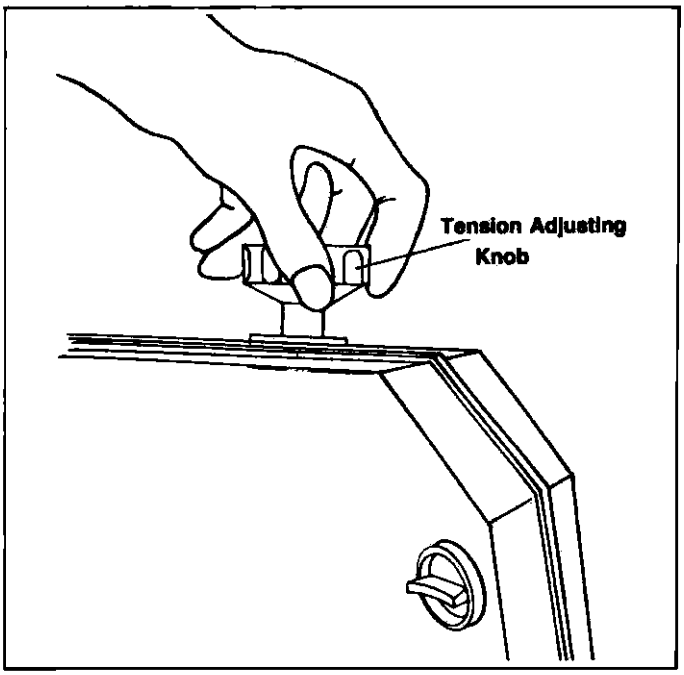
WARNING!

Turn off saw, remove switch key and unplug before making any adjustments.

Turn blade tension adjusting knob clockwise until blade is tensioned. Blake tension can be checked by pushing blade should move slightly with firm finger pressure.

NOTE!

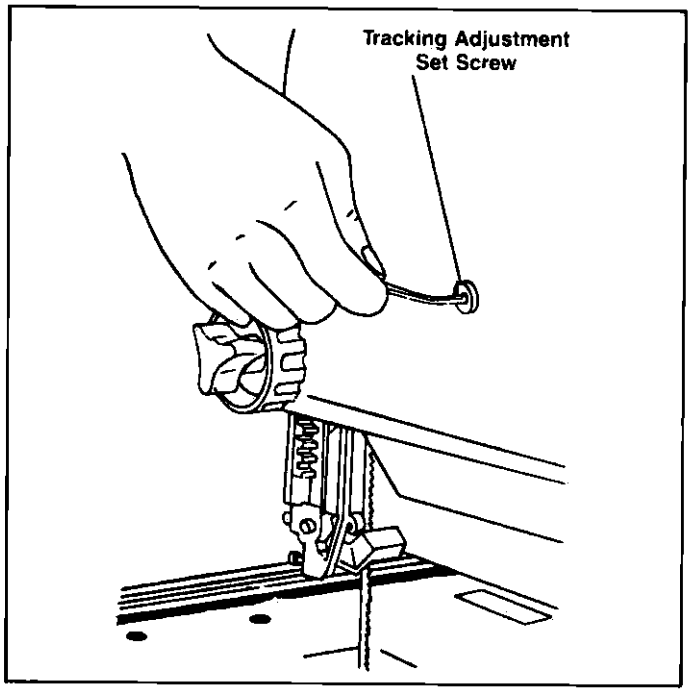
Be careful not to overtension the blade breakage. Too little tension may cause the blade to slip on the wheels.



TRACKING THE BLADE

WARNING!
Turn off saw, remove switch key and unplug before making any adjustments.
Blade tension must be properly adjusted before tracking the blade.

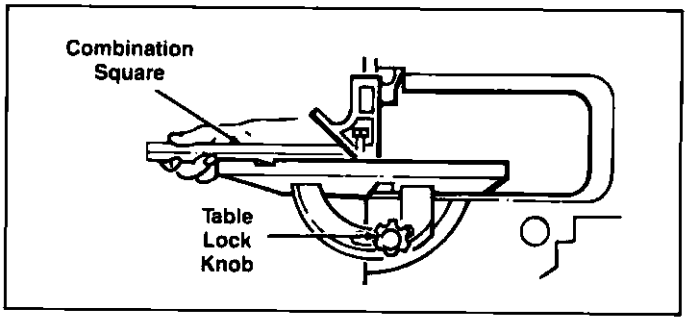
1. Slowly turn the upper wheel clockwise by hand and watch the blade on the tire. If the blade moves away from the center of the tire the tracking will have to be adjusted.
2. Insert a 1/8" hex wrench into the tracking adjustment screw located on the back of the saw behind the upper wheel.
3. If the blade moved toward the front of the saw turn the adjustment screw in (clockwise) while turning the wheel by hand, until the blade rides in the center of the tire.
   If the blade moved away from the front of the saw turn the adjustment screw out (counter clockwise) while turning the wheel by hand, until the blade rides in the center of the tire.
4. Check the position of the blade on the other tire. The blade should be completely on the tire. If not, adjust the tracking until the blade is on both tires.
5. Rotate the upper wheel by hand in a clockwise direction for a few more turns. Make sure the blade stays in the same location on the tires. Readjust if necessary, until blade is tracking properly.

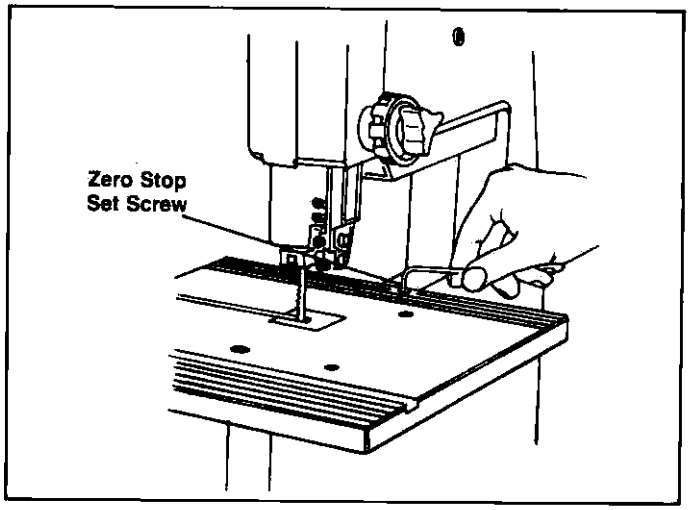


ALIGNING THE TABLE SQUARE TO THE BLADE

WARNING!
Turn off saw, remove switch key and unplug before making any adjustments.

1. Loosen the upper slide lock knob and position the guide assembly all the way up. Tighten the lock knob.
2. Loosen table lock knob.
3. Place a small square on the table beside the blade as illustrated.
4. Holding the left edge of the table (near the zero stop set screw),tilt he table up or down to align table 90 degrees to blade (0 degree position) .Tighten lock knob.
5. Adjust the zero stop set screw using hex wrench until the set screw just touches the frame.
6. Check squareness of blade to table. Make readjustments if necessary.





ADJUSTING THE BLADE GUIDES AND BACK-UP BEARING

WARNING!
Turn off saw, remove switch key and unplug before making any adjustments.

NOTE!
The upper and lower blade guides and back-up bearings support the band saw blade during cutting operations. The adjustment of the guides and bearings should be checked whenever a different blade is installed.

1. Adjust the back-up bearing first. Loosen the rear set screw using a screwdriver. (This set screw is located on the right side of the upper slide for the upper

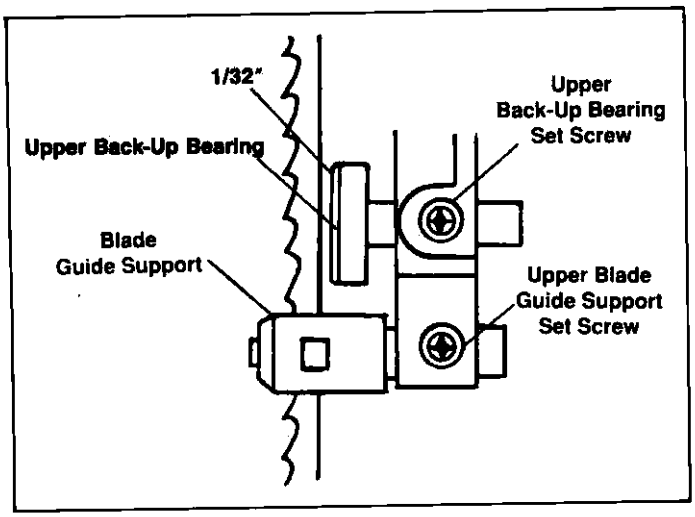
bearing and on the right side of the frame just below the table for the lower bearing.)

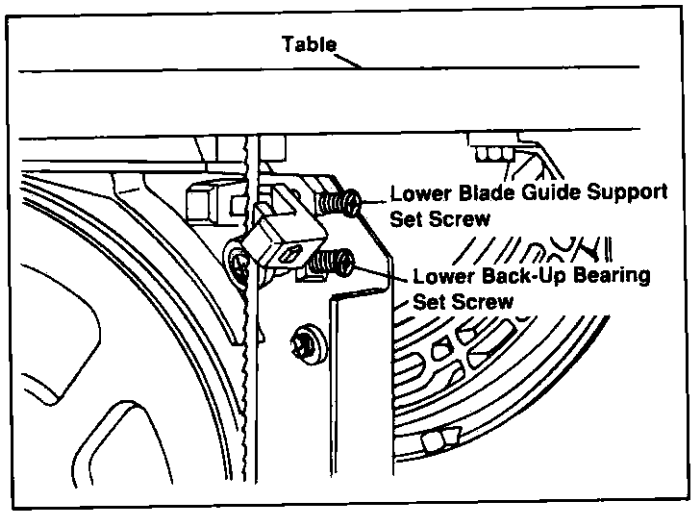
2. Move the back-up bearing to within 1/32" of the blade. Tighten the rear set screw. Repeat on the other back-up bearing.

NOTE!

The back-up bearing is to support the back edge of the blade while cutting. The blade should not contact the bearings when you stop cutting.

3. Adjust the position of the blade guide support next. Loosen the front set screw using a screwdriver. (This set screw is located on the left side of the support for the upper guides and the right side for the lower guides.)
4. Slide the blade guide support on the shaft until the front edge of the blade guides are about 1/32" behind the gullet of the blade. Tighten the set screw. Repeat for the other guide.

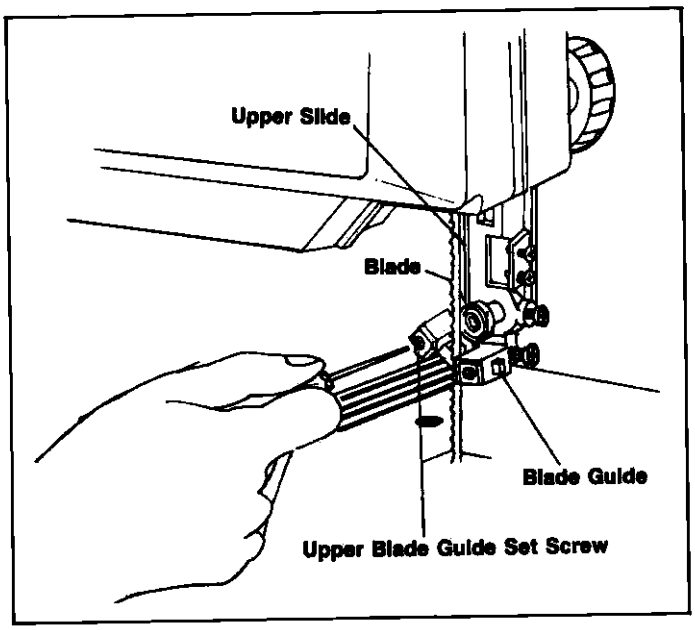




NOTE!

Letting the blade teeth hit the blade guides while using the band saw will ruin the blade. The set of the teeth and the sharpened edge of the teeth would be damaged. Proper adjustment of the upper and lower blade guide assemblies will prevent this from happening.

1. Loosen the two screws that lock the upper blade guides and press the two guides evenly against the sides of the blade but do not pinch the blade. Release the guides and rotate the upper wheel slightly clockwise moving the blade downward. Make sure one guide is not further away from the blade than the other. Tighten both screws.
2. Repeat on the lower blade guides.



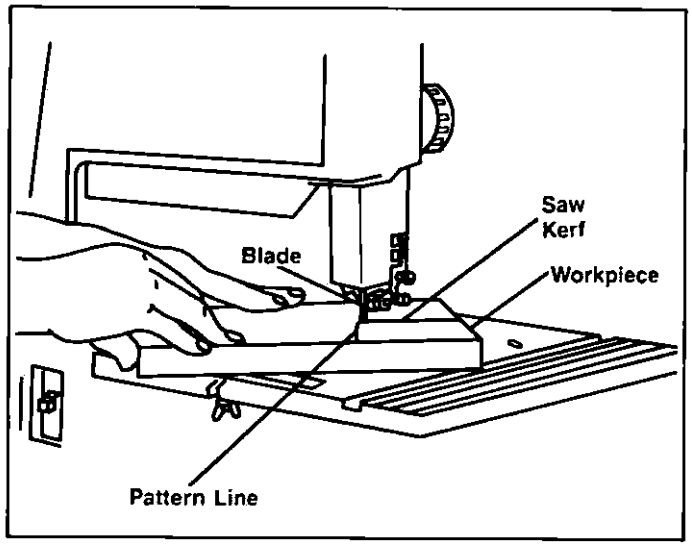
BASIC OPERATION OF THE BENCH TOP BAND SAW

A band saw is basically a "curve cutting" machine. It is also used for straight-line cutting operations such as cross cutting, ripping, mitering, beveling, compound cutting, and resawing. It is not capable of doing inside cutting.

This band saw is designed to cut wood and wood composition products only.

For general type scroll cutting, follow the pattern lines by pushing and turning the workpiece at the same time. Do not try to turn the workpiece while engaged in the blade without pushing it; the workpiece could bind or twist the blade .

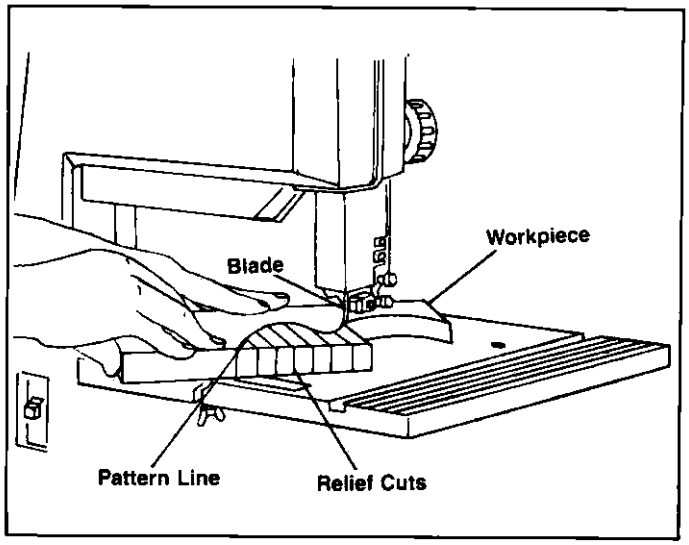
A curved radius cut is best performed by following the pattern line with the blade while turning the workpiece.The blade should cut in the middle of the pattern line (saw kerf) since wood-cutting band saw blades are thin.



WARNING!
To avoid blade contact, adjust the upper guide assembly to just clear the workpiece.

1. 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, but allow the blade to cut.
2. The smallest diameter circle that can be cut out is determined by the width of the blade. A 1/4" wide blade will cut a minimum diameter of approximately 1-1/2'. A 1/8' wide blade will cut a minimum diameter of approximately 1/2'.

Relief cuts are made when an intricate curve (too small a radius for the blade) is to be cut, A relief cut is made by cutting through the scrap section of workpiece to curve in pattern line, then carefully backing blade out.
Several relief cuts should be made for intricate curves, then follow pattern line as sections are cut off of curve "relieving" blade pressure.



MAINTENANCE

WARNING!
For your own safety, turn switch "OFF", remove switch key and remove plug from power outlet before maintaining or lubricating your band saw.

GENERAL

Keep your Band Saw clean.
Remove sawdust from the inside frequently.
Do not allow pitch to accumulate on the table, blade guides, or thrust bearings. Clean them with gum + pitch remover.
Apply a thin coat of automobile-type wax to the table top so the wood slides easily while cutting. Also apply wax to the inside surfaces of the trunnion.

TIRES

Pitch and sawdust that accumulates on the tires should be removed with a stiff brush or a piece of wood. Do not use a

sharp knife or any kind of solvent.

When the tires become worn they should be replaced. When replacing the tires, put a thin layer of rubber cement on the outside of the wheels and inside of 2 tires. Allow to dry then slide tires onto wheels aligning tires inside wheel edges.

MOTOR/ELECTRICAL

Frequently vacuum or blow out any sawdust from the motor.

WARNING!
If the power cord is worn, cut, or damaged in any way, have it replaced immediately.

WARNING!
To avoid fire or electrocution, reassemble electric parts with only approved service parts. Reassemble exactly as originally assembled.

LUBRICATION

All of the ball bearings are permanently lubricated. They require no further lubrication.

TROUBLESHOOTING

WARNING!
For your own safety, turn switch "OFF", remove switch key and remove plug from power outlet before readjusting or aligning your band saw.

Troubleshooting for RYOBI 9" Bench Top Band Saw

PROBLEM	CAUSE	SOLUTION
Motor will not run.	1. Problem with On-Off switch or power cord. 2. Motor Defective.	1. Have worn parts replaced before using Band Saw again. 2. Do not attempt any repair. Repair service is available at your nearest factory or authorized service center.
Blade does not run in the approximate center of the upper wheel.	1. Not tracking properly.	1. Adjust tracking, See Assembly section "Tracking the Blade."
Band Saw slows down when cutting.	1. Cutting too small a radius. 2. Dull blade.	1. Stop feeding, and back up the material slightly, until the band saw speeds up. 2. Replace blade.
Blades breaking.	1. Too much tension. 2. Kink in blade caused by cutting too small a radius or turning the material too fast when cutting.	1. Adjust tension. See Assembly section "Tensioning The Blade." 2. Use correct cutting technique. See Basic Band Saw Operation Section.
Saw is noisy when running.	1. Too much blade tension 2. Blade guides and back-up bearings are in contact with the blade.	1. Adjust blade tension. See Assembly section "Tensioning The Blade." 2. Adjust upper and lower blade guides and bearings. See assembly section "Adjusting the Blade Guides and Back-up Bearing,"
Blade will not cut straight.	1. Blade guides and bearings not properly adjusted. 2. Worn or defective blade.	1. Adjust upper and lower blade guides and bearings. See Assembly section "Adjusting Guides and Back-up Bearing." 2. Replace blade.
Blade guides will not stay in position	1. Thread lock compound on blade guide threads has deteriorated allowing them to rotate with the blade.	1. Apply thread lock compound on blade guide threads or replace blade guides.

• SERVICE

Now that you have purchased your Tool, should a need ever exist for repair parts or service, simply contact your nearest Ryobi Authorized Service Center or other qualified service organization. Be sure to provide all pertinent facts when you call or visit.

• MODEL NO.

The model number of your Tool will be found on a plate attached to the motor housing.

• HOW TO ORDER REPAIR PARTS

WHEN ORDERING REPAIR PARTS,
ALWAYS GIVE THE FOLLOWING INFORMATION:

- MODEL NUMBER
  BS-900
- NAME OF ITEM
  9" BENCH TOP BAND SAW
- PART DESCRIPTION

All parts listed may be ordered from any Ryobi Authorized Service center or Ryobi Factory Service Center listed below:

RYOBI FACTORY SERVICE CENTER
299 Colonial Square Mall
Route 22 East
Green Brook, NJ 08812
(800)847-5993
(908)752-9052

RYOBI FACTORY SERVICE CENTER
GARDEN PROMENADE
9699 Chapman Avenue
Garden Grove, CA 92640
(714)539-3170
(800)597-9624

RYOBI AMERICA CORP.
5201 Pearman Dairy Road Anderson SC 29625-8950
Post Office Box 1207 Anderson SC 29622-1207
Phone 1-800-323-4615