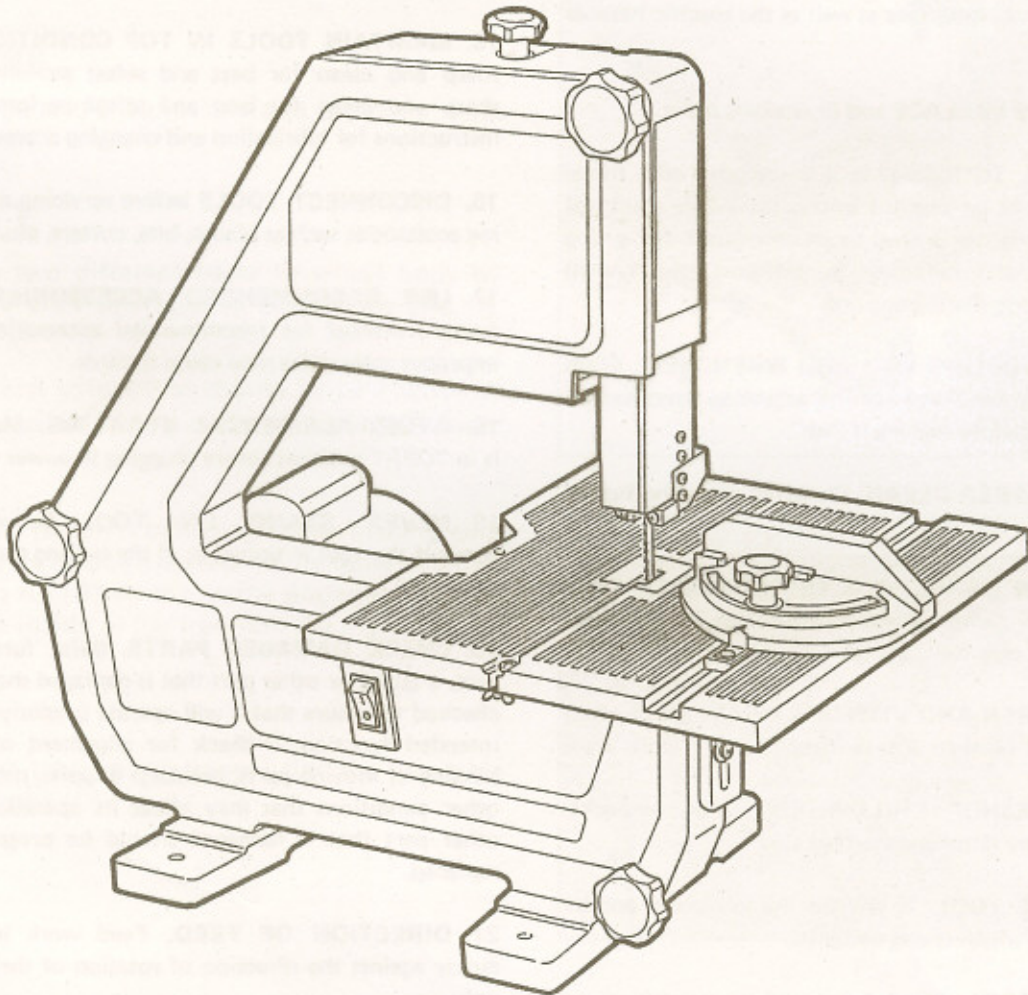


INSTRUCTION MANUAL

10" BAND SAW



PLEASE KEEP THIS INSTRUCTION MANUAL FOR FUTURE REFERENCE !!

**WARNING: FAILURE TO FOLLOW THESE RULES MAY RESULT IN
SERIOUS PERSONAL INJURY.**

IMPORTANT

As with all machinery there are certain hazards involved with operation and use of the machine. Using the machine with respect and caution will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result.

SAFETY RULES FOR ALL TOOLS

1. **FOR YOUR OWN SAFETY, READ INSTRUCTION MANUAL BEFORE OPERATING THE TOOL.** Learn the tool's application and limitations as well as the specific hazards peculiar to it.
2. **KEEP GUARDS IN PLACE** and in working order.
3. **GROUND ALL TOOLS.** If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If an adapter is used to accommodate a two-prong receptacle, the adapter lug must be attached to a known ground. Never remove the third prong.
4. **REMOVE ADJUSTING KEY AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it "on".
5. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
6. **DON'T USE IN DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
7. **KEEP CHILDREN AND VISITORS AWAY.** All children and visitors should be kept a safe distance from work area.
8. **MAKE WORKSHOP CHILDPROOF.** with padlocks, master switches, or by removing starter keys.
9. **DON'T FORCE TOOL.** It will do the job better and be safer at the rate for which it was designed.
10. **USE RIGHT TOOL.** Don't force tool or attachment to do a job for which it was not designed.
11. **WEAR PROPER APPAREL.** No loose clothing, gloves, neckties, rings, bracelets, or other jewelry to get caught in moving parts. Non-slip foot wear is recommended. Wear protective hair covering to contain long hair.
12. **ALWAYS USE SAFETY GLASSES.** Also use face or dust mask if cutting operations is dusty. Everyday eyeglasses only have impact resistant lenses: they are NOT safety glasses.
13. **SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and frees both hands to operate tool.
14. **DON'T OVERREACH.** Keep proper footing and balance at all times.
15. **MAINTAIN TOOLS IN TOP CONDITION.** Keep tools sharp and clean for best and safest performance. Follow sharp and clean for best and safest performance. Follow instructions for lubrication and changing accessories.
16. **DISCONNECT TOOLS** before servicing and when changing accessories such as blades, bits, cutters, etc.
17. **USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for recommended accessories. The use of improper accessories may cause hazards.
18. **AVOID ACCIDENTAL STARTING.** Make sure switch is in "OFF" position before plugging in power cord.
19. **NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted.
20. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to ensure 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.
21. **DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
22. **NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF.** Don't leave tool until it comes to a complete stop.
23. **DRUGS, ALCOHOL, MEDICATION.** Do not operate tool while under the influence of drugs, alcohol or any medication.
24. **MAKESURE TOOL IS DISCONNECTED FROM POWER SUPPLY** while motor is being mounted, connected or reconnected.

ADDITIONAL SAFETY RULES FOR BAND SAWS

1. **ADJUST** the upper guide about 1/8" above the material being cut.
2. **MAKE SURE** that blade tension and blade tracking are properly adjusted.
3. **STOP** the machine before removing scrap pieces
4. **ALWAYS** keep hands and fingers away from blade.
5. **CHECK** for proper blade size and type.
6. **DO NOT** attempt to saw stock that does not have a flat surface, unless a suitable support is used.
7. **HOLD** material firmly and feed into blade at a moderate speed.
8. **TURN OFF** machine if the material is to be backed out of an uncompleted cut.
9. **MAKE "release" cuts** before cutting long curves.
10. **SECURE STAND OR BENCH** to the floor if there is any tendency for the saw to tip over, slide or walk on the supporting surface during operation.
11. **DO NOT** use the motor as a lifting point.

UNPACKING

Carefully unpack the band saw and all loose items from the carton.

ASSEMBLY

1. Assemble two different bases to wheel body by using wrench with provided 4 head bolts and 4 spring washers.

The one marked with arrow should be positioned on front and direction of arrow on base should toward front side.

2. Place table (A) onto band saw frame making sure the blade travels through the slot in the table and that the mounting rib (B) on the frame engages with the groove on the inside of the trunnion (C) Fig. 2.

3. Fasten the table to the frame using the two table tilting lock knobs (D) Fig. 3.

4. Assemble the pointer (E) to the saw frame, as shown in Fig. 4, using screw (G).

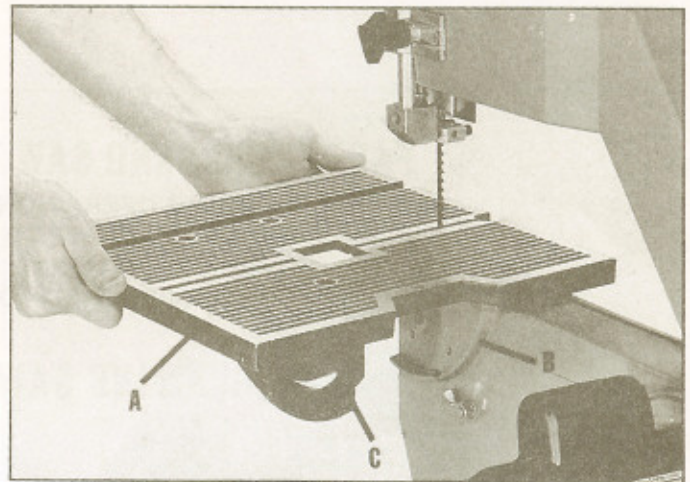


Fig. 2

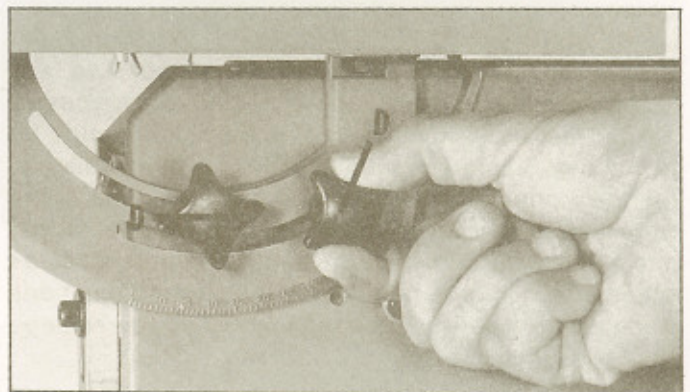


Fig. 3



Fig. 4

5. Place the table insert (F) on the table, as shown in Fig. 5, and assemble the table alignment screw (G), washer and wing nut (H) to the table. The washer and wing nut (H) are positioned below the table.

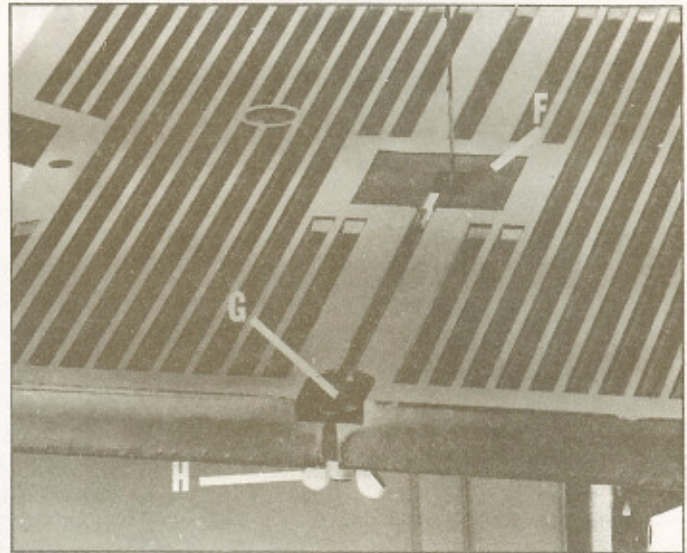


Fig. 5

FASTENING BAND SAW TO SUPPORTING SURFACE

IF DURING OPERATION THERE IS ANY TENDENCY FOR THE MACHINE TO TIP OVER, SLIDE OR WALK ON THE SUPPORTING SURFACE, THE MACHINE MUST BE SECURED TO SUPPORTING SURFACE.

CONNECTING SAW TO POWER SOURCE

POWER CONNECTIONS

A separate electrical circuit should be used for your tools. The circuit should not be less than #12 wire and should be protected with a 20 Amp time lag fuse. If an extension cord is used, use only 3-wire extension cords which have 3-prong grounding type plugs and 3-pole receptacles which accept the tools plug. For distances up to 100 feet use #12 wire. For distances up to 150 feet use #10 wire. Have a certified electrician replace or repair damaged or worn cord immediately. Before, connecting the motor to the power line, make sure the switch is in the "OFF" position and be sure that the electric current is of the same characteristics as stamped on motor nameplate. All line connections should make good contact. Running on low voltage will damage the motor.

GROUNDING INSTRUCTIONS

CAUTION: This tool must be grounded while in use to protect the operator from electric shock. The motor is equipped with an approved 3-conductor cord and 3-prong grounding type plug to fit the proper grounding type receptacle, as shown in Fig. 6. The green conductor in the cord is the grounding wire. **CAUTION: Never connect the green wire to a live terminal.**

An adapter, shown in Fig. 7, is available for connecting 3-prong grounding type plugs to 2-prong receptacles. THIS ADAPTER IS NOT APPLICABLE IN CANADA. The green-colored rigid ear, lug, etc., extending from the adapter is the grounding means and must be connected to a permanent ground such as to properly grounded outlet box, as shown in Fig. 7.

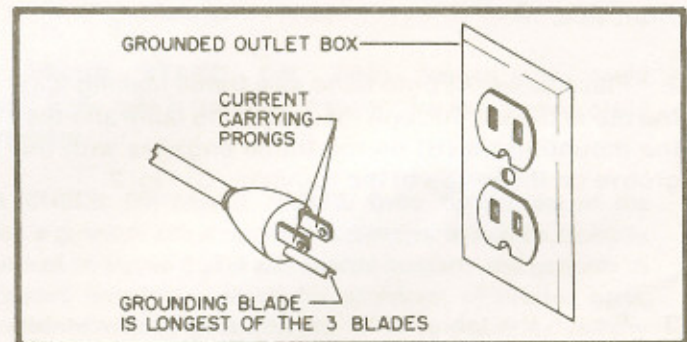


Fig. 6

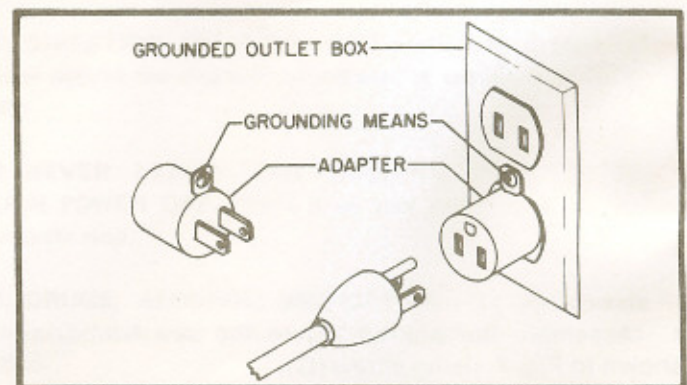
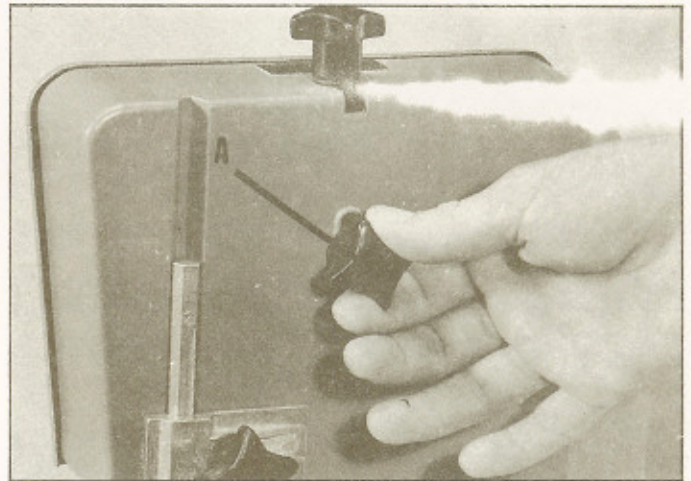


Fig. 7

CAUTION: IN ALL CASES MAKE SURE THE RECEPTACLE IN QUESTION IS PROPERLY GROUND-ED. IF YOU ARE NOT SURE HAVE A CERTIFIED ELECTRICIAN CHECK THE RECEPTACLE.

ADJUSTING BLADE TENSION

1. Loosen blade tension lock knob (A) Fig. 8, 1/4 of a turn by turning the knob counter-clockwise.
2. Remove the side cover from the saw.



3. Turn blade tension adjusting knob (B) clockwise until blade is tensioned. Blade tension can be checked by pushing down on the blade midway between the two lower wheels at point (C) Fig. 9. The blade should move slightly with firm finger pressure.
4. After correct tension is obtained tighten blade tension lock knob (A) Fig. 8.
5. Be careful not to overtension the blade. Too much tension may tend to cause blade breakage. Too little tension may cause the blade to slip on the wheels.
6. Replace side cover before operating band saw.

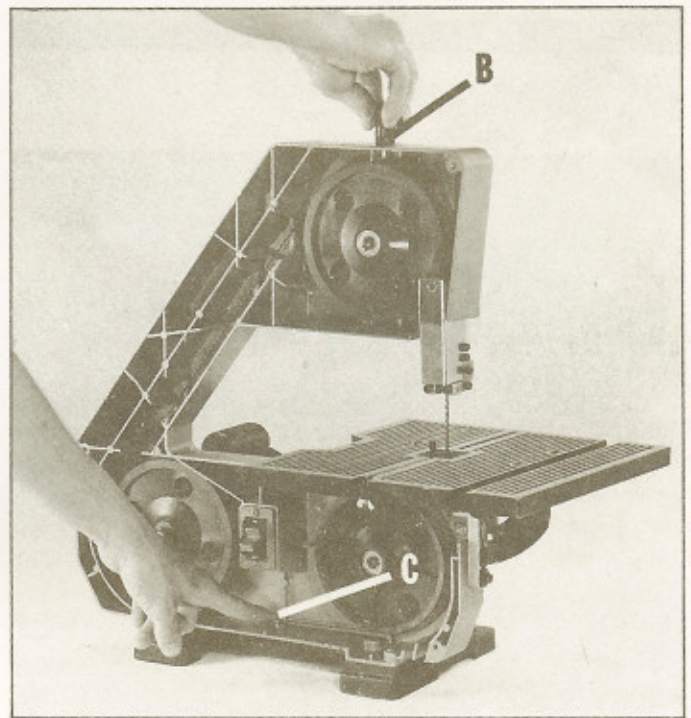


Fig. 9

TRACKING THE BLADE

1. Remove the side cover from the saw.
2. Rotate the hand knob (A) Fig. 10, clockwise and check to see if the blade rides true, on the approximate center of the three wheels. If the blade rides forward or backward the following adjustment must be made.

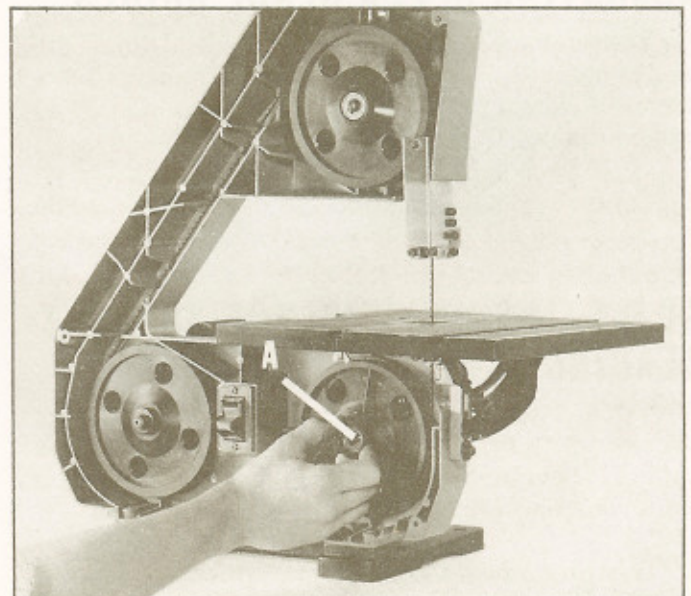


Fig. 10

3. Loosen the blade tension lock knob (B) Fig. 11, about 1/4 of a turn. Using the hex wrench supplied, turn the blade tracking adjusting screw (C) slightly clockwise to move the blade to the rear and counter-clockwise to move the blade to the front.

4. Tighten blade tension lock knob (B) Fig. 11.

5. Rotate the hand knob (A) Fig. 10 clockwise to see if the blade rides on the approximate center of the wheels. Readjust if necessary until the blade tracks properly.

6. Replace side cover before operating band saw.

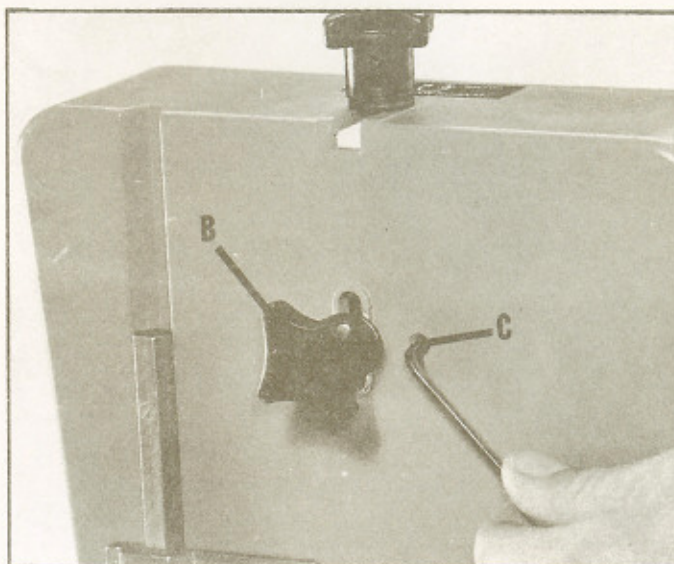


Fig. 11

ADJUSTING UPPER BLADE GUIDE ASSEMBLY

The upper blade guide assembly (A) Fig. 12, should always be set about 1/8" above or as close as possible to the top surface of the workpiece being cut. Loosen knob (B) Fig. 12, and position the guide assembly (A) to the desired position.

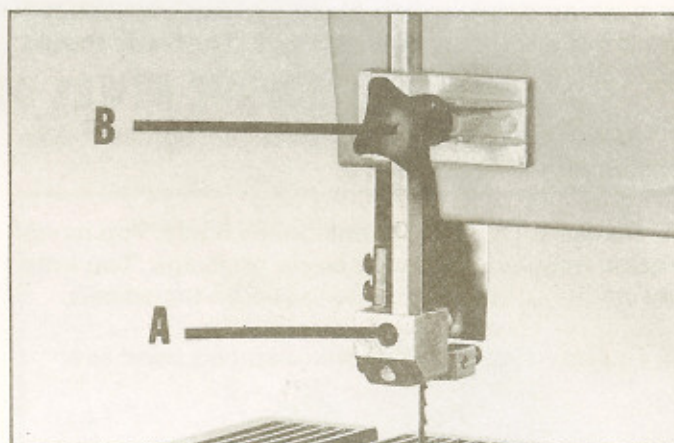


Fig. 12

ADJUSTING UPPER BLADE GUIDES

1. Loosen the two screws (A) Fig. 13, and adjust the blade guides (B) as close as possible to the sides of the saw blade being careful not to pinch the blade. Then tighten the two screws (A).

2. Loosen screw (C) Fig. 13 and move the guide bracket (D) in or out until the front edge of the guides (B) are just behind the blade "gullets"

ADJUSTING UPPER BLADE SUPPORT BEARING

The upper blade support bearing (E) Fig. 13, prevents the saw blade from being pushed back too far while cutting. The support bearing (E) should be adjusted approximately 1/32" behind the blade, as follows:

1. Loosen screw (F) Fig. 13 and position the support bearing (E) 1/32" behind the rear edge of the saw blade. Then tighten screw (F).

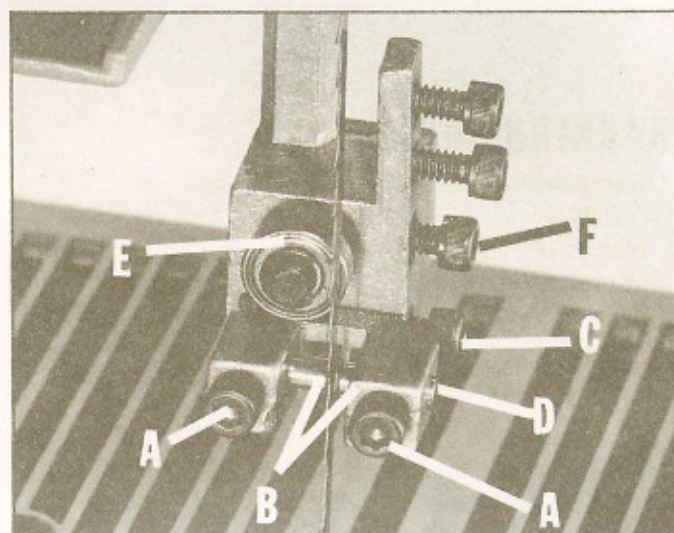


Fig. 13

ADJUSTING LOWER BLADE GUIDES

1. Loosen two screws (A) Fig. 14, and adjust the blade guides (B) as close as possible to the sides of the saw blade being careful not to pinch the blade. Then tighten the two screws (A).
2. Loosen screw (C) Fig. 14, and move the guide bracket (D) in or out until the front edge of the guides (B) are just behind blade "gullets"
3. The lower blade guide bracket (E) Fig. 14, should always be adjusted as close as possible to the table to properly support blade. Loosen two screws (F) move bracket (E) and tighten screws (F).

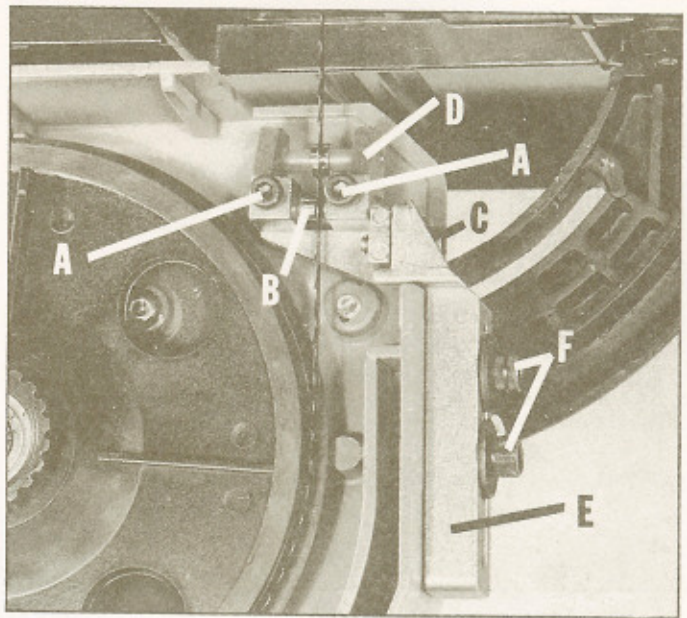


Fig. 14

SWITCH

The switch (A) Fig. 15, is located on the front side of the band saw. To turn the saw ON, move the switch to the "up" position. To turn the saw OFF, move the switch to the "down" position.

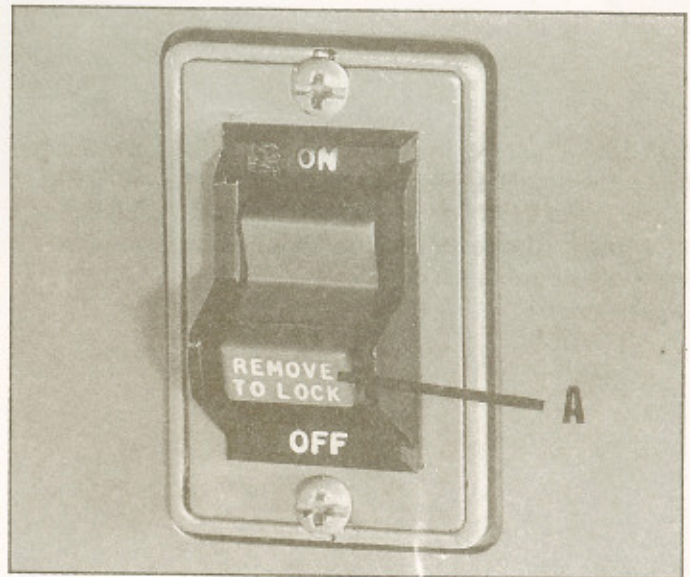


Fig. 15

WE SUGGEST THAT WHEN THE SAW IS NOT IN USE, THE SWITCH BE LOCKED IN THE "OFF" POSITION. This can be done by grasping the switch toggle (B) Fig. 16, and pulling it out of the switch. With the switch toggle (B) removed, the switch will not operate. However, should the switch toggle be removed while the saw is running, the saw can be turned OFF once, but can not be restarted without inserting the switch toggle in the switch.

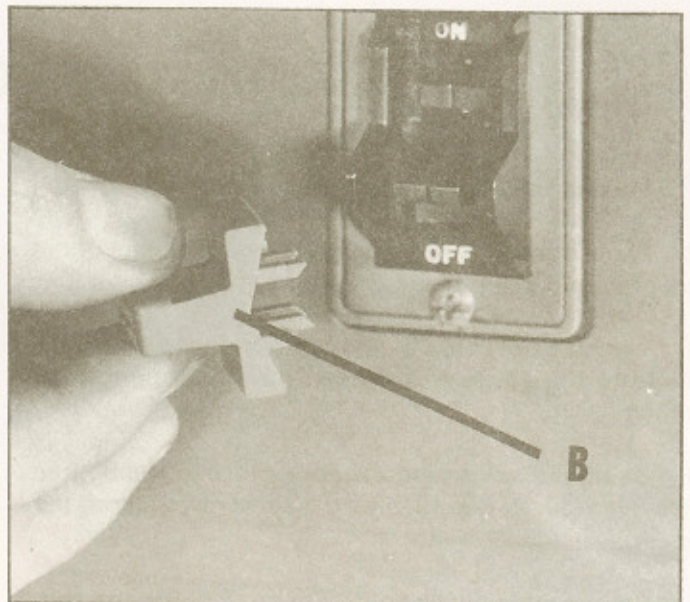
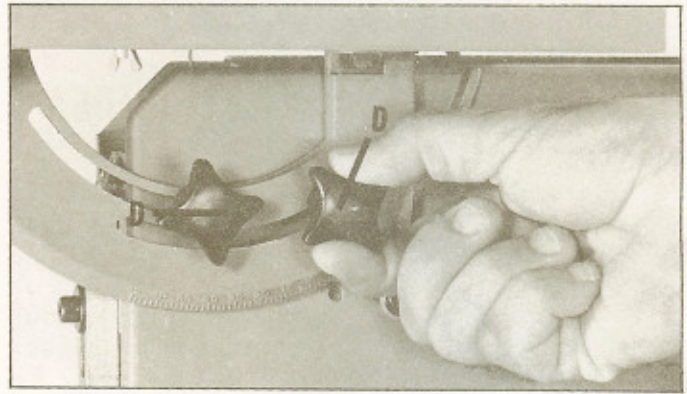


Fig. 16

TILTING THE TABLE

To tilt the table loosen table clamping knobs (D) Fig. 17, tilt the table to the desired bevel angle and tighten clamp knobs (D).



NOTE: When tilting the table to the full 45 degree bevel angle it is necessary to loosen the two screws (A) Fig. 18 and lower the lower blade guide assembly (B). After returning the table to the zero position always raise the lower blade guide assembly (B).

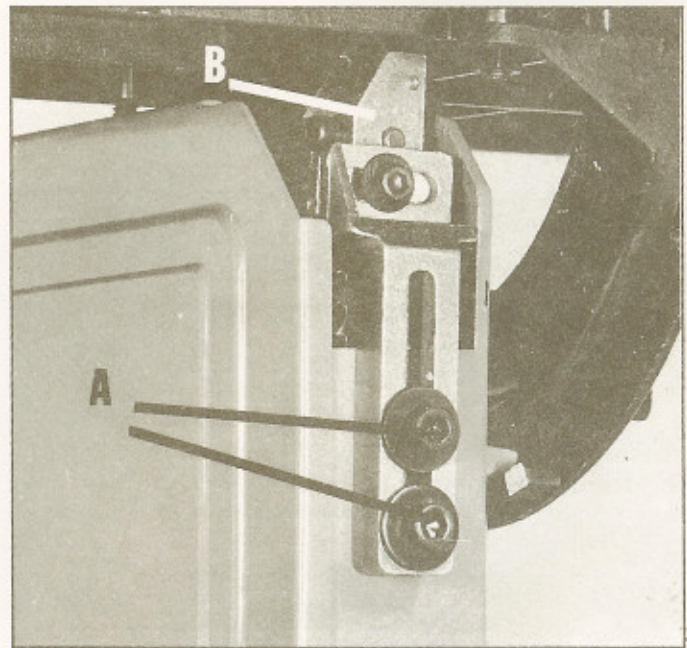


Fig. 18

ADJUSTING TABLE 90 DEGREES TO BLADE

1. Loosen table tilting lock knobs.
2. Place a square (A) on the table with one end of the square against the blade, as shown in Fig. 19.
3. Tilt table until the top table surface is at a 90 degree angle to the blade and tighten the table tilting lock knobs.
4. Using the hex wrench supplied turn the 90 degree positive stop (B) Fig. 19, until the set screw touches the frame.
5. Set the table tilting pointer to line up with the zero mark on the table trunnion.

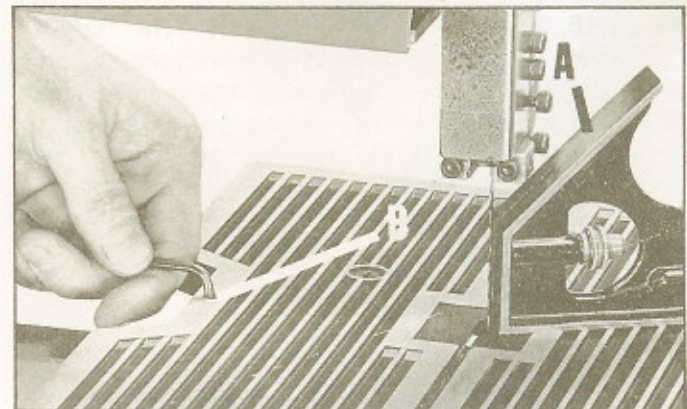


Fig. 19

CHANGING BLADES

1. Disconnect band saw from power source.
2. Release blade tension, remove side cover, upper blade guard (A) and table alignment screw (B) Fig. 20.
3. Carefully remove saw blade.
4. Replace saw blade by reverse procedure.
IMPORTANT: Teeth on saw blade must point down.

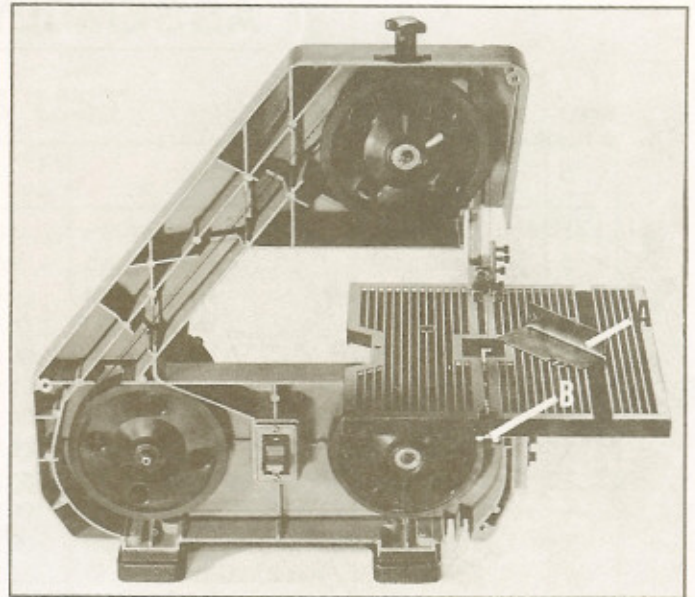
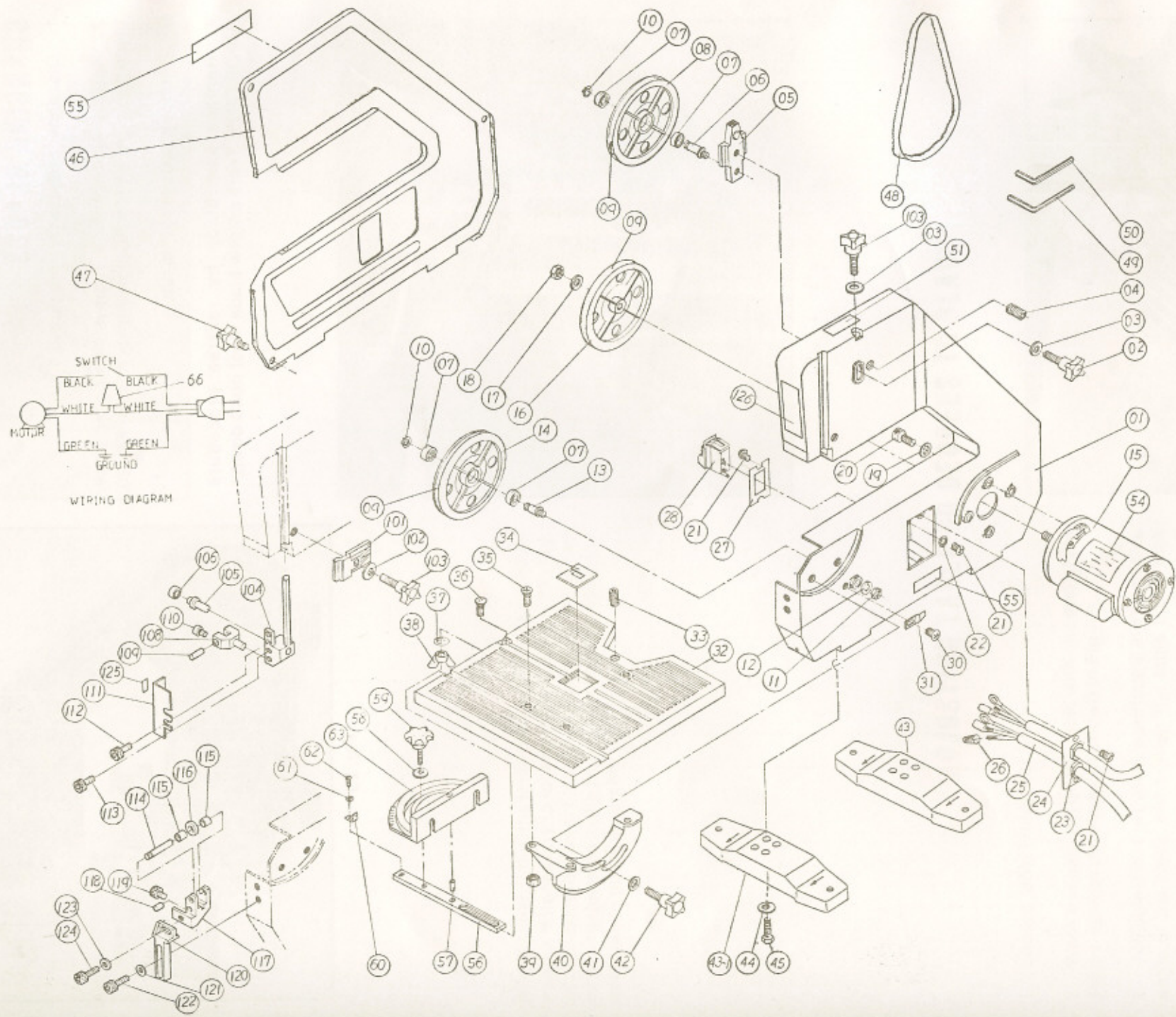


Fig. 20

ASSEMBLY DIAGRAM



PARTS LIST

KEY No.	NAME	SIZE	Q'ty	KEY No.	NAME	SIZE	Q'ty
01	Wheel Body		1	61	Flat Washer	3/16"	1
02	Handle	1/4" x20UNC- 28mm	2	62	Cap Hd. Screw	M5 x 0.8-6	1
03	Flat Washer	1/4" x 3/4"	2	63	Miter Gauge		1
04	Hex. Socket Set Screw	M6 x 1.0-10	1	101	Guide Clamp		1
05	Wheel Support		1	102	Flat Washer	1/4 x 3/4	1
06	Upper Wheel Spindle		1	103	Lock Knob	M6 x 1.0-4.0	1
07	Ball Bearing	6000Z	4	104	Support		1
08	Wheel		1	105	Shaft		1
09	Tire		3	106	Ball Bearing	696ZZ	1
10	Retaining	A-10	2	108	Upper Bladee Guide		1
11	Hex. Nut	5/16" x18UNC- 6.7	1	109	Pin	M5-18	2
12	Spring Washer	5/16"	1	110	Cr. Re. Pan Hd. Screw	10# x24UNC- 3/8"	2
13	Lower Wheel Spindle		1	111	Blade Guard		1
14	Lower Wheel		1	112	Cr. Re. Pan Hd. Screw	10# x24UNC- 3/8"	3
15	Motor		1	113	Cr. Re. Pan Hd. Screw	10# x24UNC- 1/2"	1
16	Driving Wheel		1	114	Shaft		1
17	Flat Washer	3/8"	1	115	Bushing		2
18	Hex. Nut	3/8" x24UNC, T=5	1	116	Ball Bearing	684ZZ	1
19	Spring Washer	1/4"	1	117	Bracket		1
20	Hex. Soc. Hd. Bolt	1/4" x20UNC 7/8"	4	118	Pin	M5-18	2
21	Cap Hd. Screw	M4 x 18-8	6	119	Cr. Re. Pan Hd. Screw	10# x24UNC- 3/8"	2
22	Toothen Washer	φ5	2	120	Support		1
23	Straiin Relief		2	121	Flat Washer	1/4 x 3/4- 1/16	2
24	Rear Switch Cover		1	122	Cr. Re. Pan Hd. Screw	1/4 x20UNC- 3/4"	2
25	Cable		1	123	Flat Washer	3/16 x 1/2- 3/64	1
26	Wire Connector	A-1 18AWG	1	124	Cr. Re. Pan Hd. Screw	10# x24UNC- 1/2"	1
27	Switch Cover		4	125	Lable		1
28	Switch		1	126	Lable		1
30	Cap Hd. Screw	10# x24UNC- 3/8"	1				
31	Pointer		1				
32	Table		1				
33	Hex. Scket Set Screw	1/4" x20UNC- 3/4"	1				
34	Insert Plate		1				
35	Flat Hd. Screw	1/4" x20UNC- 3/4"	3				
36	Round Hd. Tooth Saw Screw	M6 x 1.0-18	1				
37	Flat Washer	1/4"	1				
38	Wing Nut	M6 x 1.0	1				
39	Hex. Nut	1/4" x20UNC- 4.7	3				
40	Table Tilt Truss		1				
41	Flat Washer	1/4 x 3/4- 1/16	2				
42	Lock Knob		2				
43	Base	M6 x 1.0-28	2				
44	Spring Washer	5/16"	4				
45	Hex. Hd. Bolt	5/16x18UNC- 3/4"	4				
46	Front Cover		1				
47	Lock Knob	M6 x 1.0-10	3				
48	Saw Blade		1				
49	Hex. Wrench		1				
50	Wrench		1				
51	Lable		1				
54	Lable		1				
55	Lable		1				
56	Gude Bar		1				
57	Pin		1				
58	Flat Washer	1/4"	1				
59	Knob	L=22	1				
60	Angle Pointer		1				

WARNING

When using electrical tools please follow basic safety requirements for your own safety and also to reduce risk of fire and electric shock.

PLEASE READ YOUR INSTRUCTION MANUAL CAREFULLY BEFORE BEGINNING OPERATION.

EXTENSION CORDS:

The use of extension cords of an inadequate size may create a voltage drop possibly causing damage to your motor. This is important keep your warranty valid.

ELECTRIC WIRE TYPE (AWG)

If you must use your power tool or machine at a considerable distance from the power source, an extension cord of adequate size must be used for safety, and to prevent loss of power and over heating. Use the table below to determine the minimum wire size required.

CHART FOR MINIMUM WIRE SIZE (AWG) OF EXTENSION CORDS

TOTAL EXTENSION CORD LENGTH - FEET:	25	50	75	100
GAUGE (120 VOLTS)	16	14	12	10
GAUGE (220 VOLTS)	14	12	10	8

NOTE:

Please verify the motor voltage and follow the recommended electric standards for a wall outlet.

Ex: 10 amps. motor/110 volts = 25 amps. wall outlet

FOR A CONNECTION ON 220 VOLTS PLEASE CONTACT YOUR ELECTRICIAN.