

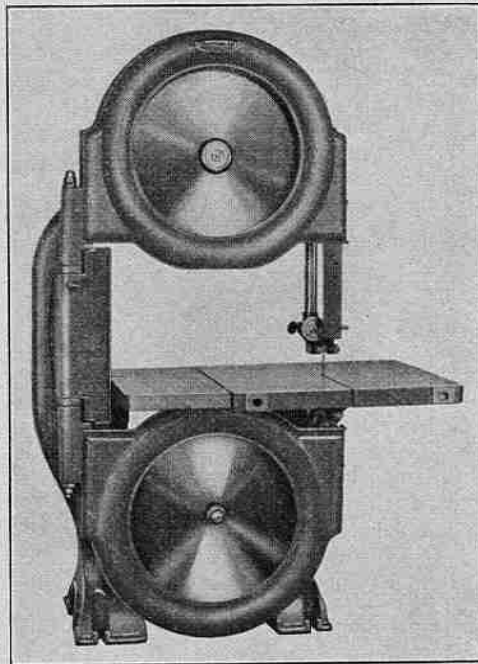
CRAFTSMAN Model 2304 BAND SAW

INSTRUCTIONS

Installation

The band saw should be solidly bolted or screwed to the bench top at a height which offers greatest convenience to the operator. If driven from a motor below it is advisable to use a motor base which either hinges or is adjustable in some way to provide variable belt tension. If the motor is mounted behind the machine, motor rails will be very satisfactory.

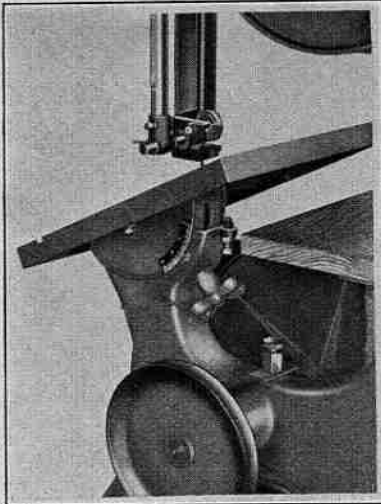
Do not attempt to adjust the guides or any other part while the saw is in motion.



Do Not Start Machine Until Adjustments Have Been Checked

Before starting the motor rotate the machine a few times to be certain that the blade rides at the center of the rim on both wheels, that it is correctly aligned at the guides and that it does not interfere with any part. This is of paramount importance, since adjustments made at the factory are very often changed by rough handling in transit. Teeth of blade should point down at position of cutting.

Tilting the Table



By loosening the bolt which clamps it in place, the table may be tilted accurately to various angles, the degree of tilt being clearly indicated on the quadrant below the table.

Functions of Spring Tensioner

The upper wheel is adjustable up and down and may be tilted. These adjustments are to tighten or loosen

the blade and to make the blade "track" correctly. Inside the tensioner housing is a coil spring to absorb blade shocks. The lower wheel is not adjustable.

The knurled nut 7BN64C on top of the tensioner controls vertical movement of the upper wheel while the other control member governs the tilting. With the blade properly adjusted it will be depressed only slightly into the rubber facings on the wheels. Narrow blades are run slightly looser than wide ones.

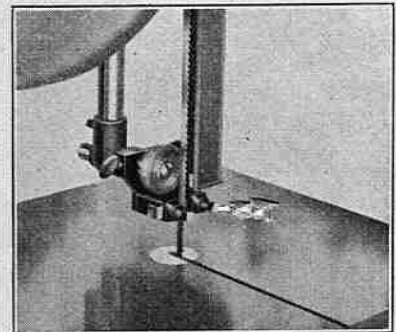
If, from any cause the upper wheel should get twisted sideways on the frame it can readily be straightened by loosening the bolts which hold the tensioner assembly to the frame and moving the wheel and tensioner as required.

Adjustment of Guides

The guides, one located above the table and the other below absorb the thrust when work is fed to the saw, and prevent the blade being forced off the wheels. Adjust the thrust roller so that teeth of the saw extend just beyond the square block guide pins so there will be no danger of a contact to damage the teeth. Guide pins are set just far enough apart to permit the blade to travel between them without friction. The guide assembly is adjustable up and down and should be lowered to a point just above the work to give the blade utmost support. It is also adjustable laterally. Blades of different widths make it necessary to change positions of thrust wheels.

To Replace a Blade

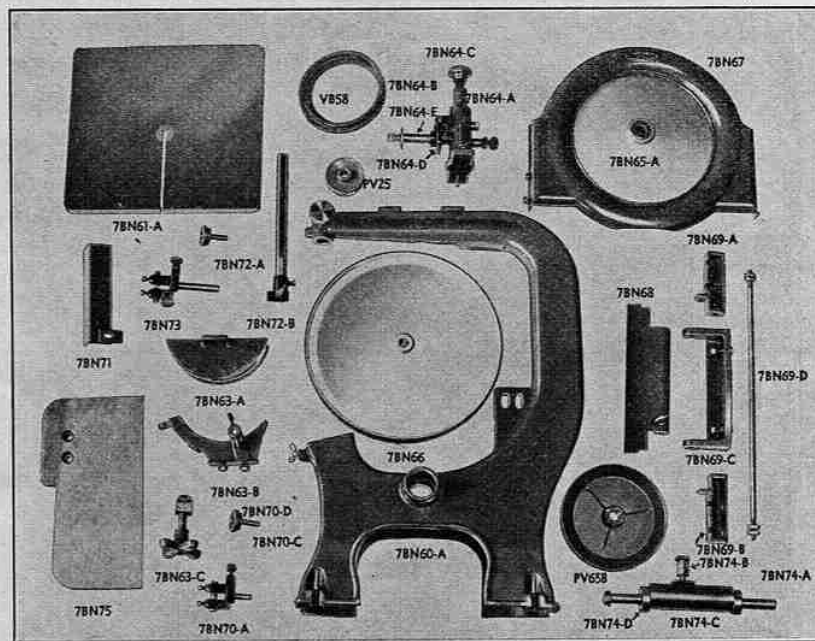
Lower the upper wheel about $\frac{1}{2}$ " and open the guards. Also remove the screw from the saw slot of the table. Slide the new blade into place and raise the upper wheel until blade tension is correct. Then make it "track" on the wheels and adjust the guides. On replacing the table screw and closing the guards the machine is again ready for use.



If a blade should run off one of the wheels inspect it carefully before putting it on again to see whether or not the teeth have been damaged. Otherwise a bent tooth may catch in the guide pins and break the blade.

CRAFTSMAN Model 2304 BAND SAW

PARTS LISTING



NOTICE

This sheet is intended for instruction only and is not a packing slip. The parts shown and listing include accessories that are not necessarily part of this tool.

IMPORTANT

Order repair parts on a separate order blank or piece of paper apart from other merchandise.

Be sure to give complete information including part number and description.

Include money order, check or draft for the full amount.

Mail your order and remittance direct to the nearest Sears, Roebuck & Co. Mail Order store—Chicago, Philadelphia, Boston, Kansas City, Memphis, Atlanta, Dallas, Minneapolis, Seattle or Los Angeles.

Prices shown are prepaid to destination.

Catalog No.	Description	Price List	Catalog No.	Description	Price List
7BN60-A	Frame	\$10.00	7BN69-B	Lower Guard Hinge	\$.75
7BN60-B	*Hand Lock Screw	.30	7BN69-C	Guard Hinge Bracket	1.00
7BN60-C	*Guard Lock Stud (Upper)	.10	7BN69-D	Guard Hinge Bolt	.75
7BN60-D	*Guard Lock Stud (Lower)	.10	7BN70-A	*Lower Saw Guide Holder	1.00
7BN61-A	Table	3.00	7BN70-B	*Ball Bearing for Saw Guide (2 used)	each .50
7BN61-B	Aluminum Insert	.10	7BN70-D	Saw Guide Roller (2 used)	each .25
7BN63-A	Male Table Bracket (Graduated)	1.50	7BN71	Front Blade Guard	.50
7BN63-B	Female Table Bracket	1.50	7BN72-A	Adjustable Guide Rod	1.00
7BN63-C	Locking Block with Hand Wheel	1.00	7BN72-B	Guide Bracket	.50
7BN64-A	Blade Tensioner Frame	1.50	7BN73	Upper Guide Holder	1.00
7BN64-B	Blade Tensioner Spring	.25	7BN74-A	Drive Shaft with Collar	2.00
7BN64-C	Blade Tensioner Screw and Nut	.75	7BN74-B	Special Grease Cup	.50
7BN64-D	Shaft Plate and Yoke	.50	7BN74-C	Bearing Unit	4.00
7BN64-E	Upper Wheel Shaft	.75	7BN74-D	S.K.F. Bearing Only (2 used)	each 1.60
7BN65-A	Upper Wheel	4.00	7BN75	Extension Table with Brackets (Wood)	1.50
7BN65-B	*Set of 2 Upper Wheel S.K.F. Bearings	2.90	PV25	2 1/2" "V" Pulley	.35
7BN66	Lower Wheel	1.50	PV658	6 1/2" "V" Pulley	.95
7BN67	Wheel Guard (2 used)	each 1.50	VB58	58" "V" Belt	.85
7BN68	Rear Blade Guard	1.00			
7BN69-A	Upper Guard Hinge	.75			

* Not Illustrated

Lubrication

Wheel bearings should be lubricated regularly. Keep grease cups filled and give the caps a full turn every few days for the first month of operation. After this lubricating may be done less frequently. A few drops of medium (not light) weight oil should be applied to all working parts of the tensioner and guides, periodically.

Motor Requirements

A 1750 R.P.M. motor of 1/2 H.P. is recommended. A 2 1/2" pulley on motor shaft and the 6 1/2" pulley on saw shaft provide the correct operating speed of 650 R.P.M. A MOTOR OF HIGHER SPEED SHOULD NOT BE USED unless proper provision has been made to reduce the band saw speed by means of a countershaft or jackshaft set-up.

DISCHARGE OF STATIC ELECTRICITY

Everyone has experienced the discharge of static electricity which occurs during cool or dry weather when a metal fixture is touched after walking across a thick nap rug. Under the same atmospheric conditions power tools sometimes produce static. On touching the machine you may get a slight shock. This is due partly to the friction developed by belts and pulleys. If this occurs simply run a single wire from any part of the machine to a suitable ground such as a water pipe or steam pipe. It does not indicate defective insulation in the motor or feed wire.