



Operating Instructions and Parts Manual 12-inch Woodworking Band Saw

Model: JWBS-120S



WMH TOOL GROUP, Inc
2420 Vantage Drive
Elgin, Illinois 60124
Ph.: 800-274-6848
www.wmhtoolgroup.com

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Warranty and Service

WMH Tool Group, Inc., warrants every product it sells. If one of our tools needs service or repair, one of our Authorized Service Centers located throughout the United States can give you quick service. In most cases, any of these WMH Tool Group Authorized Service Centers can authorize warranty repair, assist you in obtaining parts, or perform routine maintenance and major repair on your JET® tools. For the name of an Authorized Service Center in your area call 1-800-274-6848.

MORE INFORMATION

WMH Tool Group is consistently adding new products to the line. For complete, up-to-date product information, check with your local WMH Tool Group distributor, or visit jettools.com.

WARRANTY

JET products carry a limited warranty which varies in duration based upon the product (MW stands for Metalworking, WW stands for Woodworking).

90 DAY WARRANTY	1 YEAR WARRANTY	2 YEAR WARRANTY	5 YEAR WARRANTY	LIFE TIME WARRANTY
Lathe Accessories Machine Accessories Mobile Bases Safety Equipment Specialty Items	Contractor Air Tools Hydraulic & Shop Tools Industrial Air Tools Light Industrial Air Tools Overhead Lifting Warehouse & Dock Equipment Winches	Metalworking Mechanical Components: Cold Saws MW Finishing Equipment Metalforming MW Lathes Mill/Drills MW Vises Milling Machines Surface Grinders MW Bandsaws Tapping MW Drill Presses Metalworking Electrical Components <i>on above products carry 1 Year Warranty</i>	Air Filtration Buffers Dust Collectors Dust Filters Dust Fittings Jointers Planers Sanders Shapers Tablesaws WW Bandsaws WW Drill Presses WW Lathes	Fastening Tools Lubrication Mechanics Hand Tools Striking Tools Vise Accessories Vises (non-MW) Clamps Workholding
Warranty reverts to 1 Year if above products are used for commercial, industrial or educational purposes				

WHAT IS COVERED?

This warranty covers any defects in workmanship or materials subject to the exceptions stated below. Cutting tools, abrasives and other consumables are excluded from warranty coverage.

WHO IS COVERED?

This warranty covers only the initial purchaser of the product.

WHAT IS THE PERIOD OF COVERAGE?

The general JET warranty lasts for the time period specified in the product literature of each product.

WHAT IS NOT COVERED?

Five Year and Lifetime Warranties do not cover products used for commercial, industrial or educational purposes. Products with Five Year or Lifetime Warranties that are used for commercial, industrial or education purposes revert to a One Year Warranty. This warranty does not cover defects due directly or indirectly to misuse, abuse, negligence or accidents, normal wear-and-tear, improper repair or alterations, or lack of maintenance.

HOW TO GET SERVICE

The product or part must be returned for examination, postage prepaid, to a location designated by us. For the name of the location nearest you, please call 1-800-274-6848.

You must provide proof of initial purchase date and an explanation of the complaint must accompany the merchandise. If our inspection discloses a defect, we will repair or replace the product, or refund the purchase price, at our option. We will return the repaired product or replacement at our expense unless it is determined by us that there is no defect, or that the defect resulted from causes not within the scope of our warranty in which case we will, at your direction, dispose of or return the product. In the event you choose to have the product returned, you will be responsible for the shipping and handling costs of the return.

HOW STATE LAW APPLIES

This warranty gives you specific legal rights; you may also have other rights which vary from state to state.

LIMITATIONS ON THIS WARRANTY

WMH TOOL GROUP LIMITS ALL IMPLIED WARRANTIES TO THE PERIOD OF THE LIMITED WARRANTY FOR EACH PRODUCT. EXCEPT AS STATED HEREIN, ANY IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS ARE EXCLUDED. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG THE IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

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WMH Tool Group sells through distributors only. The specifications in WMH catalogs are given as general information and are not binding. Members of WMH Tool Group reserve the right to effect at any time, without prior notice, those alterations to parts, fittings, and accessory equipment which they may deem necessary for any reason whatsoever. JET® branded products are not sold in Canada by WMH Tool Group.

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Warnings

1. Read and understand the entire owner's manual before attempting assembly or operation.
2. Read and understand the warnings posted on the machine and in this manual. Failure to comply with all of these warnings may cause serious injury.
3. Replace the warning labels if they become obscured or removed.
4. This band saw is designed and intended for use by properly trained and experienced personnel only. If you are not familiar with the proper and safe operation of a band saw, do not use until proper training and knowledge have been obtained.
5. Do not use this band saw for other than its intended use. If used for other purposes, WMH Tool Group disclaims any real or implied warranty and holds itself harmless from any injury that may result from that use.
6. Always wear approved safety glasses/face shields while using this band saw. Everyday eyeglasses only have impact resistant lenses; they are not safety glasses.
7. Before operating this band saw, remove tie, rings, watches and other jewelry, and roll sleeves up past the elbows. Remove all loose clothing and confine long hair. Non-slip footwear or anti-skid floor strips are recommended. Do **not** wear gloves.
8. Always use the blade guard on all "through-sawing" operations. A through-sawing operation is one in which the blade cuts completely through the workpiece.
9. Some dust created by power sanding, sawing, grinding, drilling and other construction activities contain chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
 - Lead from lead based paint.
 - Crystalline silica from bricks, cement and other masonry products.
 - Arsenic and chromium from chemically treated lumber.

Your risk of exposure 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 face or dust masks that are specifically designed to filter out microscopic particles.
10. Do not operate this machine while tired or under the influence of drugs, alcohol or any medication.
11. Make certain the switch is in the **OFF** position before connecting the machine to the power supply.
12. Make certain the machine is properly grounded.
13. Make all machine adjustments or maintenance with the machine unplugged from the power source.
14. Remove adjusting keys and wrenches. Form a habit of checking to see that keys and adjusting wrenches are removed from the machine before turning it on.
15. Keep safety guards in place at all times when the machine is in use. If removed for maintenance purposes, use extreme caution and replace the guards immediately.
16. Make sure the band saw is firmly secured to the floor or bench before use.
17. Check damaged parts. Before further use of the machine, 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.
18. Provide for adequate space surrounding work area and non-glare, overhead lighting.



Warnings

19. Provide for adequate space surrounding work area and non-glare, overhead lighting.
20. Keep the floor around the machine clean and free of scrap material, oil and grease.
21. Keep visitors a safe distance from the work area. **Keep children away.**
22. Make your workshop child proof with padlocks, master switches or by removing starter keys.
23. Give your work undivided attention. Looking around, carrying on a conversation and “horse-play” are careless acts that can result in serious injury.
24. Maintain a balanced stance at all times so that you do not fall into the blade or other moving parts. Do not overreach or use excessive force to perform any machine operation.
25. Use the right tool at the correct speed and feed rate. Do not force a tool or attachment to do a job for which it was not designed. The right tool will do the job better and safer.
26. Use recommended accessories; improper accessories may be hazardous.
27. Maintain tools with care. Keep saw blades sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories.
28. Make sure the work piece is held firmly against the rip fence or miter gauge as it is fed through the blade.
29. Turn off the machine before cleaning. Use a brush or compressed air to remove chips or debris — do not use your hands.
30. Do not stand on the machine. Serious injury could occur if the machine tips over.
31. Never leave the machine running unattended. Turn the power off and do not leave the machine until it comes to a complete stop.
32. Remove loose items and unnecessary work pieces from the area before starting the machine.

Familiarize yourself with the following safety notices used in this manual:



This means that if precautions are not heeded, it may result in minor injury and/or possible machine damage.



This means that if precautions are not heeded, it may result in serious injury or possibly even death.

Specifications

Model Number.....	JWBS-12OS
Stock Number	708901B
Cutting Capacity (height/in.).....	6
Cutting Capacity (width/in.)	11-7/8
*Minimum Blade Width (in.).....	1/8
*Maximum Blade Width (in.).....	1/2
*Blade Length (in.)	82
Blade Speed (SFPM)	2750
Table Size (in.)	14 x 14
Table Slot Size (DxW/in.).....	3/8 x 3/4
Table Height from Floor (in.)	40-5/8"
Table Tilt.....	45° right, 5° left
Dust Chute Diameter.....	2"OD & 4" OD
Overall Dimensions (HxWxD/in.)	62-3/8 x 18-5/8 x 15-5/8
Motor	1/2 HP, 1Ph, 115V
Net Weight (lbs.)	132 (approx.)
Shipping Weight (lbs.).....	141 (approx.)

* The JWBS-12OS Band Saw comes equipped with a 1/4"x82"x20" blade (Part No. 709392) factory installed.

⚠WARNING Read and understand the entire contents of this manual before attempting assembly or operation! Failure to comply may cause serious injury!

Unpacking

1. Remove all contents from the shipping carton. Do not discard the carton or packing material until the bandsaw is assembled and is running satisfactorily.
2. Inspect the contents for shipping damage. Report damage, if any, to your distributor.

The required hardware for all assembly on this machine is found in the *Hardware Bag for Stand Assembly* and *Hardware Bag for Saw Body* and listed in the following page.

3. Compare the contents of the shipping carton with the *Shipping Contents* on page 7. Report shortages, if any, to your distributor.

Tools Required for Assembly

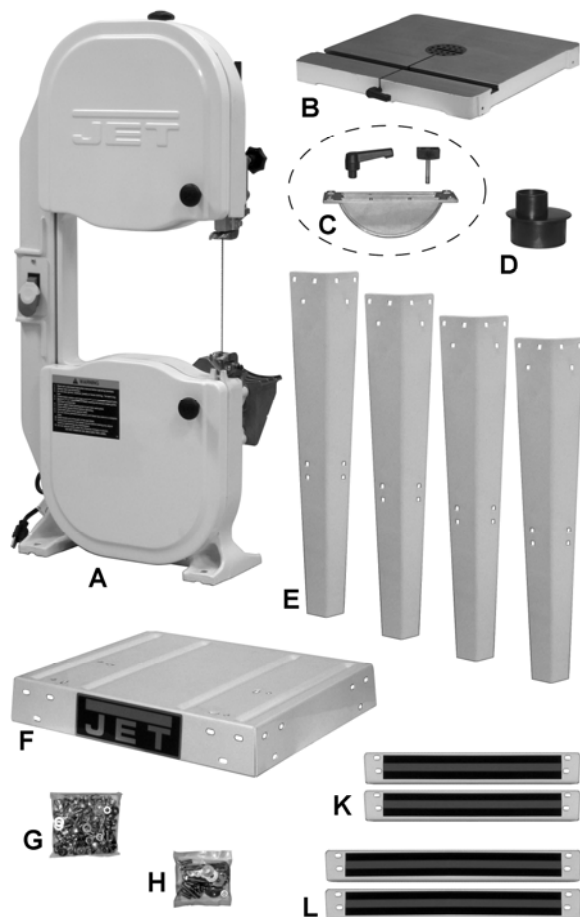
- 1 Accurate Straight Edge (approximately 2 ft)
- 1 Cross-point Screwdriver
- 1 4mm Hex Wrench (included)
- 1 5mm Hex Wrench
- 1 6mm Hex Wrench (included)
- 1 10mm Box Wrench
- 1 13mm Box Wrench

Note: Use of sockets and ratchets will speed assembly time but are not required.

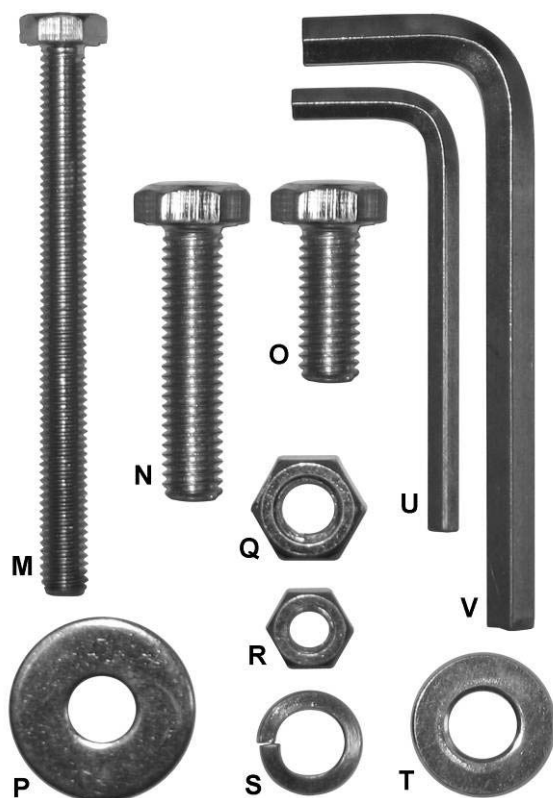
Shipping Contents

Contents of the Carton

- A Body Assembly (1)
- B Table (1)
- C Trunnion, Clamp Shoe & Lock Handle (1)
- D Hose Adapter (1)
- E Stand Leg (4)
- F Base Plate (1)
- G Hardware Bag for Stand (1)
(contents shown below)
- H Hardware Bag for Saw Body (1)
(contents shown below)
- K Short Support Plate (2)
- L Long Support Plate (2)
- Manual (not shown)



Contents of the Carton



Hardware for Saw Body (actual size)

Hardware for Saw Body

- M Hex Cap Screw M6x70 (1)
- N Hex Cap Screw M8x35 (4)
- O Hex Cap Screw M8x20 (4)
- P Flat Washer M8xØ23 (8)
- Q Hex Nut M8 (4)
- R Hex Nut M6 (1)
- S Lock Washer M8 (8)
- T Flat Washer M8xØ18 (4)
- U 4mm Hex Wrench (1)
- V 6mm Hex Wrench (1)

Hardware for Stand

- Q Hex Nut M8 (40)
- S Lock Washer M8 (40)
- T Flat Washer M8xØ18 (40)
- W Carriage Bolt M8x16 (40)



Hardware for Stand (actual size)

Assembly

⚠WARNING

Read and understand all assembly instructions before attempting assembly! Failure to comply may cause serious injury!

Stand

Referring to Figure 1.

1. Assemble four *legs* (E) to the *table* (F). Secure each leg with six ea M8x16 *carriage bolts* (W), M8 *flat washers* (T), M8 *lock washers* (S), and M8 *hex nuts* (Q). Hand-tighten only at this time.
2. Assemble the *long plates* (L) to the *legs* (E). Secure each plate with 4 ea M8x16 *carriage bolts* (W), M8 *flat washers* (T), M8 *lock washers* (S), and M8 *hex nuts* (Q). Hand-tighten only at this time.
3. Assemble the *short plates* (K) in the same manner as described in step 2.
4. Place the stand upright on a level surface. Make sure that all four legs are contacting the surface.
5. Tighten all nuts with a 13mm socket or wrench.

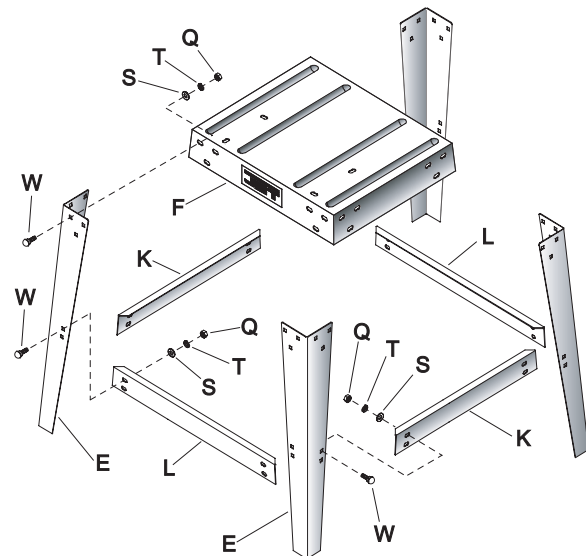


Figure 1

Mounting Bandsaw to Table

⚠CAUTION

The saw body is heavy! Use caution when lifting! Stabilize until firmly attached to the stand! Failure to comply may cause serious injury!

Referring to Figure 2:

1. With the aid of a second person, lift the *saw body* (A) and place onto the *stand top*. Be sure front of saw (with JET logo) faces stand front (JET logo).
2. Place four M8 *flat washers* (P) on four M8x35 *hex cap screws* (N) and insert screws through four mounting holes in the bandsaw and stand.
3. Place M8 *flat washers* (P) and M8 *lock washers* (S) on the ends of the screws protruding through the bottom of the stand top. Secure with four M8 *hex nuts* (Q).
4. Tighten all nuts with a 13mm socket or wrench.

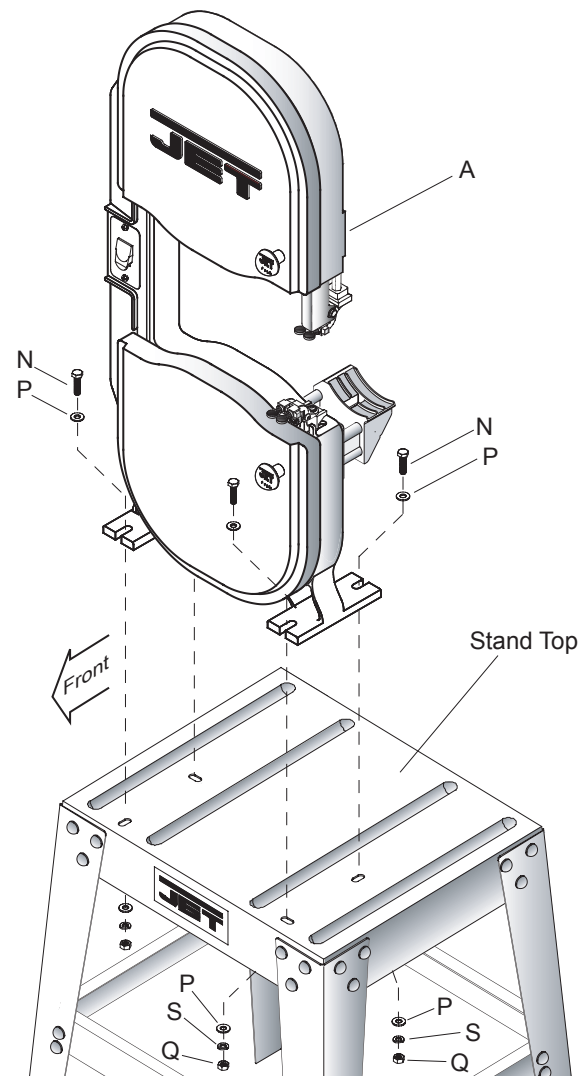


Figure 2

Table Assembly

For this section, refer to Figure 3.

90° Table Stop

1. Thread the M6 *hex nut* (R) approximately half way onto the M6x70 *hex cap screw* (M). Then thread the screw half way into the *bracket* (A_B). Adjustment will be made later.

Trunnion Installation

2. Position the *trunnion* (C) on top of the *trunnion support bracket* (C_C). The scale on the trunnion must be on the same side as the indicator arrow on the bracket.
3. Place the *clamp shoe* (C_A) through the middle slot at the top of the trunnion (C), inserting the screw through the slotted opening at the bottom of the trunnion and through the *support bracket* (C_C).
4. Thread the *lock handle* (C_B) onto the screw protruding through the bottom of the *support bracket* (C_C). Adjust the *trunnion* (C) to 0°, then secure by tightening the *lock handle* (C_B).

Table Installation

5. Remove the *insert* (B_A) and *pin* (B_B) from the *table* (B).
6. Maneuver the *table* (B) to allow the *saw blade* (A_A) to pass through the *slot* (B_C) to the round opening in the center.
7. Orient the *table* (B) as shown.
8. Line up four threaded mounting holes underneath the *table* (B) with the four mounting through-holes on the *trunnion* (C).
9. Secure with four each M8x20 *hex cap screws* (O), M8 *lock washers* (S) and M8xØ18 *flat washers* (T).
10. Tighten the screws (O) with a 13mm wrench.

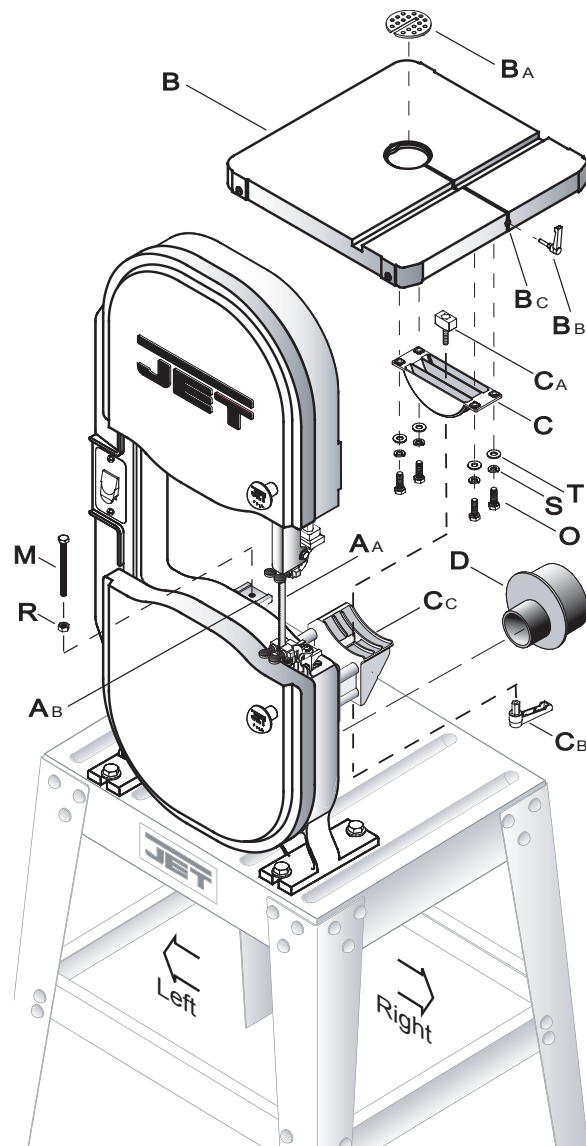


Figure 3

Grounding Instructions

General Information

⚠WARNING This Band Saw must be grounded while in use to protect the operator from electric shock.

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 that looks similar to the plug in Figure 4. The plug must be inserted 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-grounding conductor to a live terminal.

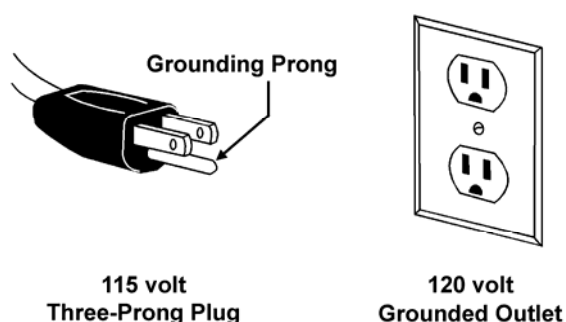


Figure 4

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.

Repair or replace a damaged or worn cord immediately.

115 Volt Operation

As received from the factory, your bandsaw is ready to run at 115-volt operation. This bandsaw, when wired for 115 volts, is intended for use on a circuit that has an outlet and a plug that looks like the one illustrated in Figure 4. A temporary adapter, like the adapter in Figure 5,

may be used to connect this plug to a two-pole receptacle, as shown in Figure 5, if a properly grounded outlet is not available. The temporary adapter should only be used until a properly grounded outlet can be installed by a qualified electrician. This adapter is not applicable in Canada. The green colored rigid ear, lug, or tab, extending from the adapter, must be connected to a permanent ground such as a properly grounded outlet box, as shown in Figure 5.

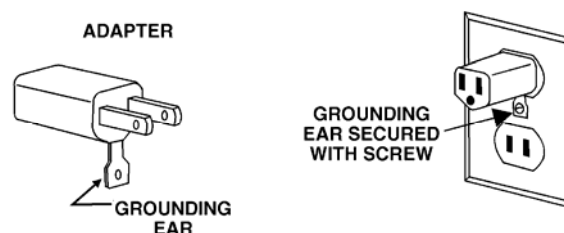


Figure 5

Extension Cords

Use only three wire extension cords that have three-prong grounding plugs and three-pole receptacles that accept the tool's plug.

Make sure the cord is in good condition and heavy enough to carry the current your band saw will draw. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and the ampere rating on your machine's nameplate. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

Repair or replace a damaged or worn cord immediately.

Power		Extension Cord	
Current (Amps)	Line voltage	Cord length in feet	Cord gauge (AWG)
0-6	120	0 to 25	18
		25 to 50	16
		50 to 100	16
		over 100	14
6-10	120	0 to 25	18
		25 to 50	16
		50 to 100	14
		over 100	12
10-12	120	0 to 25	16
		25 to 50	16
		50 to 100	14
		over 100	12
12-16	120	0 to 25	14
		25 to 50	12
		over 50	not recommended

Table 1

Adjustments

⚠WARNING Unplug the machine from the power source before making any repairs or adjustments. Failure to comply may cause serious injury.

Tilting the Table

Referring to Figure 6:

1. Loosen the *lock handle*.
2. Tilt table up to 45 degrees to the right or up to 5 degrees to the left. The angle can be read on the scale mounted to the trunnion.
3. Tighten the *lock handle*.

Note: To allow the table to tilt to the left, the *table stop* must be adjusted downward (see below).

Adjusting 90° Table Stop

Refer to Figure 6 except where noted otherwise.

1. Disconnect machine from power source.
2. Loosen the *lock handle* and tilt the *table* bringing it to rest against the *table stop*.
3. Use a square placed on the table and against the blade (Figure 7) to see if the table is 90 degrees to the blade.
4. If an adjustment is necessary, loosen the *lock handle*, tilt *table* from the *table stop* as shown, and lock in place.
5. Loosen the *jam nut* and turn the *table stop* left or right to raise or lower the stop. Tighten the *jam nut* to hold the *table stop* in place.
6. Unlock the table, tilt back letting it rest against the stop and confirm table is 90 degrees with the blade.

Changing Blades

⚠WARNING Blade teeth are sharp! Use care when handling the saw blade. Failure to comply may cause serious injury.

Note: The JWBS-120S Band Saw comes equipped with a 1/4"x82"x20" blade (Part No. 709392) factory installed.

Referring to Figure 8:

1. Disconnect machine from power source.
2. Open both *wheel covers* (D, E).
3. Loosen the hex screw (using a 10mm wrench) securing the *blade guard* (H) and remove.

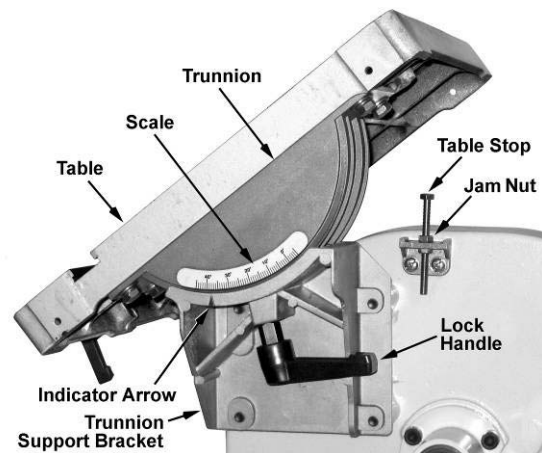


Figure 6

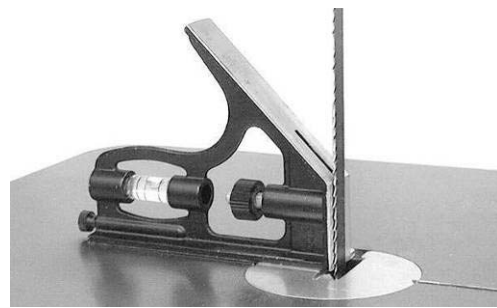


Figure 7

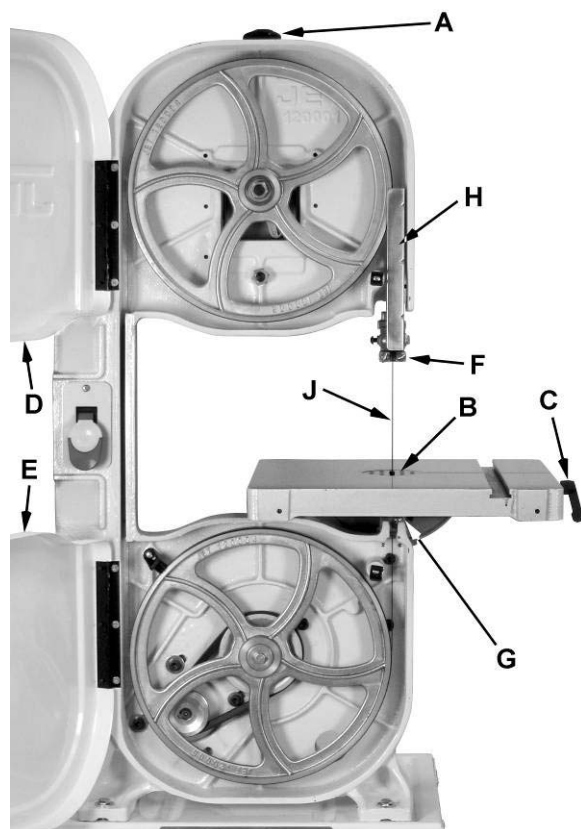


Figure 8

4. Remove the *table insert* (B) and *table pin* (C).
5. Loosen blade tension by turning the *tension knob* (A) counterclockwise.
6. Remove *blade* (J) from upper and lower wheels and from between the *upper* (F) and *lower blade guides* (G).
7. Turn the blade to direct it through the slot in table and remove.
8. Guide the new blade through table slot leading with the smooth edge. Place it around the upper and lower wheels and into the *upper* (F) and *lower blade guides* (G).

Note: The blade teeth should face the operator, and they should point down toward the table.

9. Position the blade to track in the middle of the rubber tires on the wheels.
10. Re-install the *table insert* (B), *table pin* (C) and *blade guard* (H).
11. Tension and track the blade before operating saw (see *Adjusting Blade Tension* and *Adjusting Blade Tracking* sections below).

Adjusting Blade Tension

Referring to Figure 9:

1. Disconnect machine from power source.
2. Turn *blade tension knob* clockwise to tension blade.
3. Apply just enough tension to take the slack out of the blade.
4. Turn one wheel a few times to move the blade to the center of the tire.
5. With a meter, tension the blade appropriately for the size of blade used.
6. A *gauge* on the upper wheel slide bracket indicates the approximate tension according to the width of the blade. Initially, set the blade tension to correspond to the blade width as marked on the gauge.

Note 1: As you become more experienced with the saw, you may find it necessary to change the blade tension from the initial setting. Changes in blade width and the type of material being cut will have an effect on blade tension.

Note 2: Keep in mind that too little or too much blade tension can cause blade breakage.

Adjusting Blade Tracking

Referring to Figure 9:

⚠WARNING Disconnect machine from the power source! Never adjust blade tracking with the machine running! Failure to comply may cause serious injury!

Tracking refers to how the blade is situated upon the wheels while in motion. The blade should track in the center of both wheels.

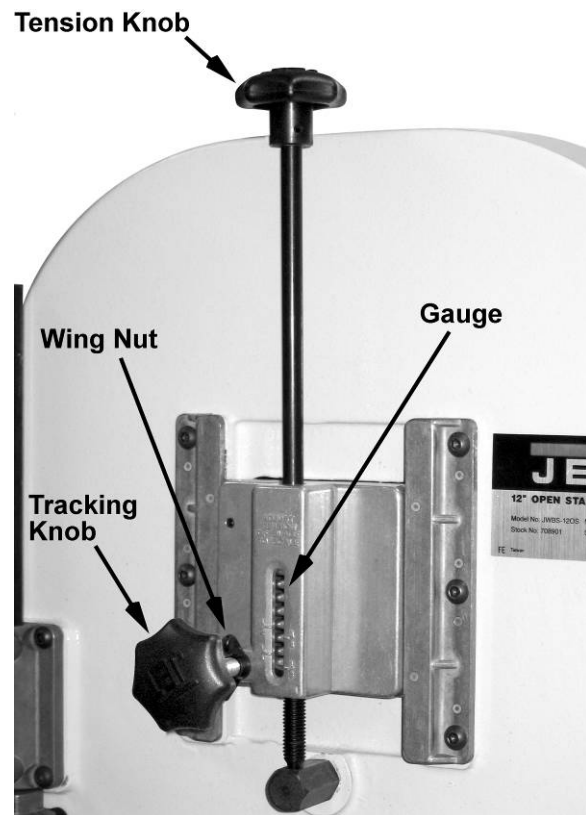


Figure 9

The blade must be properly tensioned before adjusting blade tracking. Make sure blade guides and blade bearings do not interfere with the blade.

1. Open the top wheel cover. Rotate the wheel forward by hand, and observe the position of the blade on the wheel. It should be in the center of the wheel.
2. If adjustment is necessary, loosen wing nut. Tightening the tracking knob slightly will move blade so it tracks towards the rear of machine. Loosening the tracking knob slightly will cause the blade to track toward the front of the machine.
3. After blade is tracking in the center of the wheel, tighten the wing nut.

Upper Blade Guide Positioning

Refer to Figure 10. The blade guard has been removed for clarity.

⚠WARNING Never operate the Band Saw without all guards in place and in working order.

The *upper blade guide assembly* should be adjusted to just above the material being cut. To adjust:

1. Disconnect machine from power source.
2. Loosen *lock knob* (A) and raise or lower the *upper blade guide assembly* (C).
3. Tighten *lock knob* (A). Make sure *blade guide blocks* (D) are still flat to the blade. If adjustment is necessary, loosen *screw* (E) and rotate the assembly until the *guide blocks* (D) are flat to blade.

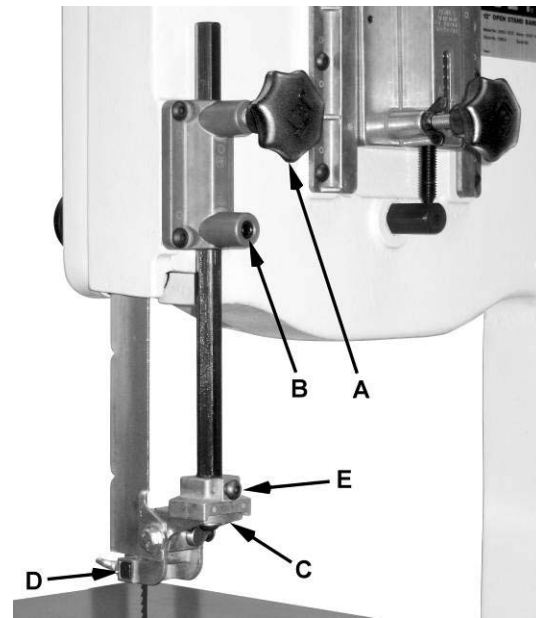


Figure 10

Upper Blade Guide Tension Adjustment

If the movement of the *blade guide assembly* seems “stiff” when being raised or lowered, it can be adjusted to slide more easily. This is controlled by an internal spring and ball that provides varying degrees of resistance against the guide post.

To adjust tension on the spring:

1. Using a 5mm hex wrench (not provided), tighten or loosen the *setscrew* (B) until desired tension is reached.
2. Reattach and tighten the *knob* (A).

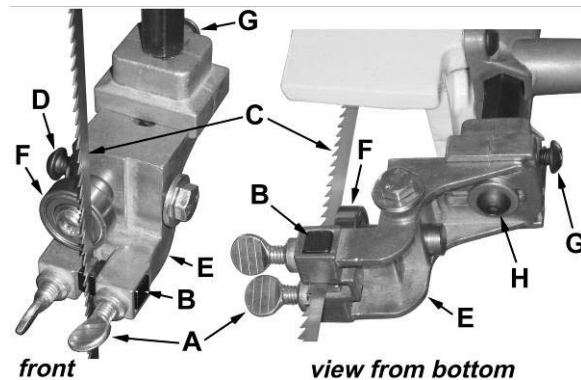


Figure 11

Blade Guide Block Adjustment

This adjustment is the same for upper *and* lower blade guides. Only the upper blade guide is shown.

⚠WARNING Never operate the Band Saw without all guards in place and in working order.

Referring to Figure 11:

1. Disconnect machine from power source.
2. Remove the blade guard (upper blade guide only).

Note: Blade must already be tensioned and tracking properly.

3. Loosen *thumbscrews* (A) and move the *guide blocks* (B) as close to the *blade* (C) as possible without pinching it.

4. Tighten *thumbscrews* (A).

5. Loosen *screw* (D) (4mm hex wrench) and move the *guide block bracket* (E) in or out until the front edge of the *guide blocks* (B) are just behind the “gullets” of the saw teeth. Loosen the *screw* (F) securing the *blade support bearing* (G) if necessary.

6. Tighten *screw* (D).

7. Replace the blade guard.

Blade Support Bearing Adjustment

⚠WARNING Never operate the Band Saw without all guards in place and in working order.

This adjustment is the same for upper *and* lower blade guides. Only the upper blade guide is shown.

Referring to Figure 11:

1. Remove the blade guard (upper blade guide only).
2. Loosen screw (D) (with 4mm hex wrench).
3. Adjust for a gap of 1/64" between the bearing (F) and blade (C).

Note: To set this distance quickly, you can place a dollar bill or piece of paper between support bearing and back of blade.

4. Tighten screw (D).
5. Replace the blade guard.

Adjusting V-Belt Tension

⚠WARNING Never operate the Band Saw without all guards in place and in working order.

Referring to Figure 12:

1. Unplug the machine from the power source.
2. Remove the saw blade as described in *Changing Blades* on page 11.
3. With a 13mm wrench, remove the *hex cap screw* (A).

Note: The hex cap screw has a reverse/left-hand thread. Turn clockwise to remove.

4. Remove the *washer* (B) and *wheel* (C).
5. With a 6mm hex wrench, loosen four *hex socket cap screws* (D).
6. Push the motor down to add tension to the *belt* (E).
7. The belt is properly tensioned when moderate finger pressure on the belt between the two pulleys caused a 1/2" deflection.
8. Tighten the four *hex socket cap screws* (D).
9. Replace the *wheel* (C), *washer* (B) and *hex nut* (A).
10. Re-install the blade as described in *Changing Blades* on page 11.

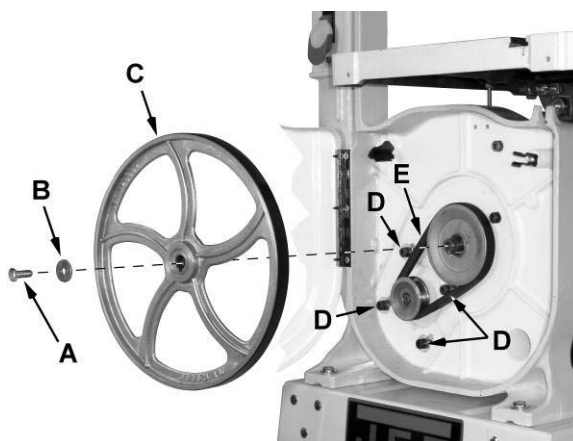


Figure 12

Troubleshooting JWBS-12OS Band Saw

Trouble	Probable Cause	Remedy
Saw stops or will not start.	Saw unplugged.	Check all plug connections.
	Fuse blown or circuit breaker tripped.	Replace fuse, or reset circuit breaker.
	Cord damaged.	Replace cord.
Does not make accurate 45 or 90 degree cuts.	Table stop not adjusted correctly.	Check blade with square and adjust table stop.
	Angle pointer not set accurately.	Check blade with square and adjust pointer.
	Miter gauge out of adjustment.	Adjust miter gauge.
Blade wanders during cut.	Fence not aligned with blade.	Check and adjust fence (see fence manual).
	Warped wood.	Select another piece of wood.
	Excessive feed rate.	Reduce feed rate.
	Incorrect blade for cut.	Change blade to correct type.
	Blade tension not set properly.	Set blade tension according to blade size.
	Guides not set properly.	Adjust guides.
Saw makes unsatisfactory cuts.	Dull blade.	Replace blade.
	Blade mounted wrong.	Teeth should face operator and point downward.
	Gum or pitch on blade.	Remove blade and clean with oven cleaner or other solvent.
	Incorrect blade for cut.	Change blade to correct type.
	Gum or pitch on table.	Clean table.
Blade does not come up to speed.	Extension cord too light or too long.	Replace with adequate size and length cord.
	Low shop voltage.	Contact your local electric company.
Saw vibrates excessively.	Base on uneven floor.	Reposition on flat, level surface.
	Loose fasteners.	Tighten fasteners.

Parts

Ordering Replacement Parts

To order parts or reach our service department, call 1-800-274-6848 between 7:30am and 5:30pm (CST), Monday through Friday. Having the Model Number and Serial Number of your machine available when you call will allow us to serve you quickly and accurately.

Body Assembly

Index No.	Part No.	Description	Size	Qty
1	JWBS12OS-001	Band Saw Frame		1
2	120002	Guide Bracket		2
3	TS-2246122	Button Head Socket Screw	M6 x 12	6
4	120003	Stud		1
5	NH121901	Nut	M12 x 1.25	1
6	100016A	Upper Wheel Sliding Bracket		1
7	100021	Steel Pin		2
8	AB100019	Shaft Hinge		1
9	990652	Knob		1
10	NW080000	Wing Nut	M8	1
11	AB120020	Blade Adjusting Screw		1
12	100015A	Coil Spring		1
13	NS101700	Square Nut	M10	1
14	MH120000W	Motor	1/2 HP, 1Ph, 115V	1
15	CC163501	Motor Cord		1
16	CC163001	Power Cord		1
17	120021W	Cord Locating Plate		1
18	998621	Strain Relief		2
19	TS-1540031	Hex Nut	M5	2
20	SF059100	Pan Head Screw w/Flange	M5 x 6	2
21	WE05000	Gear Washer	M5	2
22	SF069200	Pan Head Screw w/Flange	M6 x 8	2
23	JWBS12OS-023	Toggle Switch		1
24	TS-1533052	Pan Head Screw	M5 x 16	2
25	TS-1504051	Socket Head Cap Screw	M8 x 25	4
26	TS-1551061	Lock Washer	M8	4
27	360085	Bushing		1
28	120004	Upper Wheel		1
29	120005	Wheel Tire		1
30	RR350000	Retaining Ring	R35	1
31	BB-6202ZZ	Ball Bearing	6202ZZ	2
32	NH121901	Nut	M12	1
33	120006	Lower Wheel		1
34	120005	Wheel Tire		1
35	KP050520	Key	5 x 5 x 20	1
36	SH080402	Hex Cap Bolt (Left Hand Thread)	M8 x 20 (LH)	1
37	WF083030	Washer	M8	1
38	709392	Saw Blade (6 T.P.I.)	1/4 x 82 x .020	1
39	170507	Brush		1
40	TS-1533032	Pan Head Screw	M5 x 10	1
41	150079	Catch		1
42	TS-1533032	Pan Head Screw	M5 x 10	1
43	120007W	Upper Wheel Cover		1
44	150080	Clip		1
48	WI080000	Gear Washer (internal)		1
49	150024	Knob	M8	1
50	ST049200	Tap Screw	M4 x 8	3
51	120009	Hinge		1
52	TS-1534041	Flat Head Screw	M5 x 10	3
53	150079	Catch		1
54	TS-1533032	Pan Head Screw	M5 x 10	1
55	120008W	Lower Wheel Cover		1
56	150080	Clip		1
60	WI080000	Gear Washer (internal)		1
61	150024	Knob	M8	1

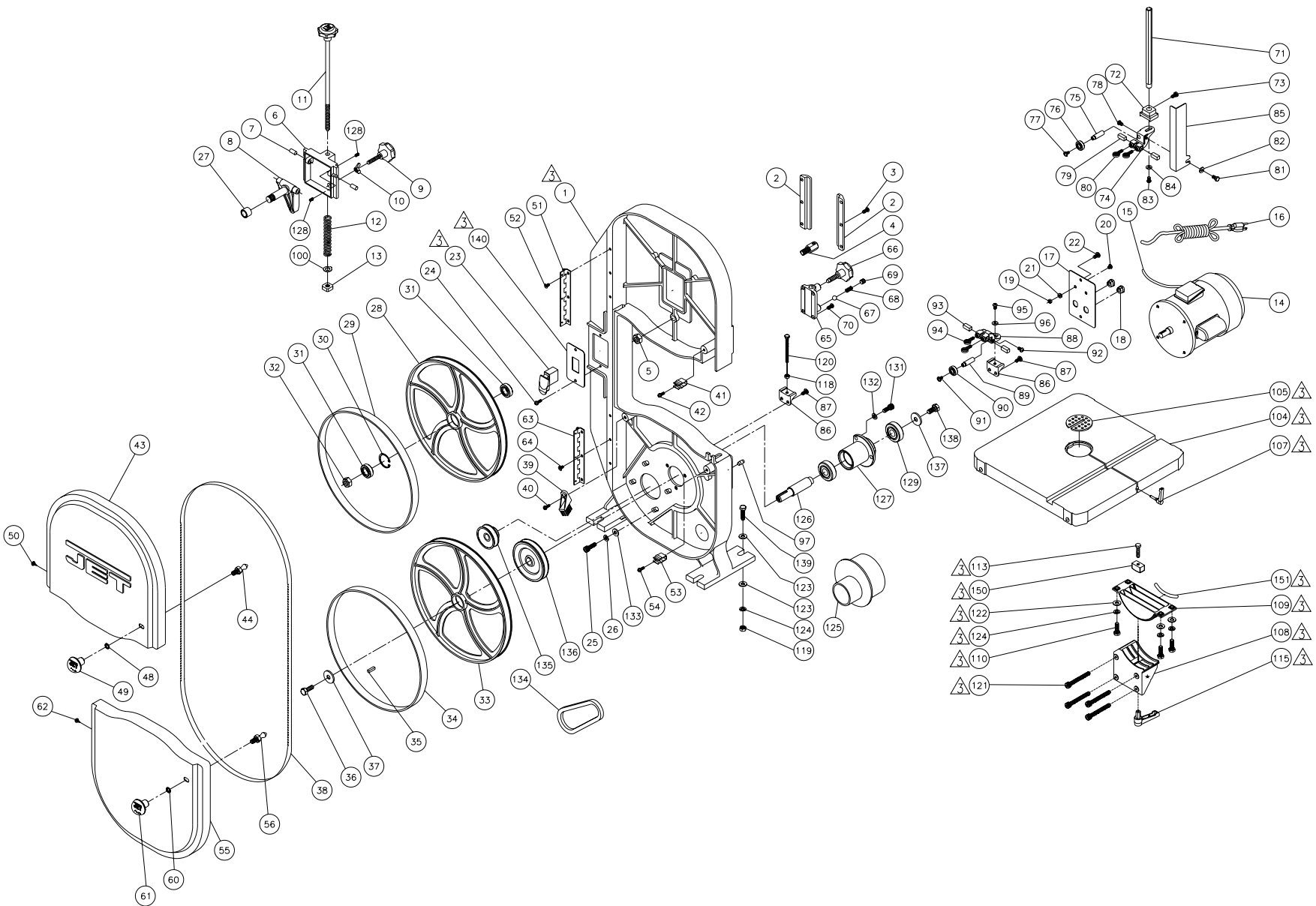
Body Assembly

Index No.	Part No.	Description	Size	Qty
62	ST049200	Tap Screw	M4 x 8	3
63	120009	Hinge		1
64	TS-1534041	Flat Head Screw	M5 x 10	3
65	120010	Guide Post Bracket		1
66	990651	Knob		1
67	SB-5/16	Steel Ball		1
68	150099	Spring		1
69	TS-1525011	Set Screw	M10 x 10	1
70	TS-2246122	Button Head Socket Screw	M6 x 12	4
71	120011	Guide Post		1
72	120012	Upper Support Bracket Post		1
73	TS-1482021	Hex Cap Screw	M6 x 12	1
74	120013	Bracket		1
75	120014	Spacing Sleeve		1
76	BB-608ZZ	Ball Bearing	608ZZ	1
77	SF059100	Pan Head Screw w/Flange	M5 x 6	1
78	TS-2246122	Button Head Socket Screw	M6 x 12	1
79	KP080816	Guide Block	8 x 8 x 16	2
80	SU069300	Thumb Screw	M6 x 12	2
81	TS-1482021	Hex Cap Screw	M6 x 12	1
82	TS-1550041	Flat Washer	M6	1
83	TS-2246122	Button Head Socket Screw	M6 x 12	1
84	TS-1550041	Flat Washer	M6	1
85	120016	Upper Wheel Blade Guard		1
86	120015	Lower Support Bracket Post		1
87	SF069300	Pan Head Screw w/Flange	M6 x 12	4
88	120013	Bracket		1
89	120014	Spacing Sleeve		1
90	BB-608ZZ	Ball Bearing	608ZZ	1
91	SF059100	Pan Head Screw w/Flange	M5 x 6	1
92	TS-2246122	Button Head Socket Screw	M6 x 12	1
93	KP080818	Guide Block	8 x 8 x 18	2
94	SU069300	Thumb Screw	M6 x 12	2
95	TS-2246122	Button Head Socket Screw	M6 x 12	1
96	TS-1550041	Flat Washer	M6	1
97	150031	Pin		2
100	150058	Pointer		1
104	JWBS12OS-104	Table		1
105	JWBS12OS-105	Table Insert		1
107	JWBS12OS-107	Table Pin		1
108	JWBS12OS-108	Trunnion Bracket		1
109	JWBS12OS-109	Trunnion		1
110	TS-1490031	Hex Cap Screw	M8 x 20	4
113	SH081400	Hex Cap Bolt	M8 x 70	1
114	TS-1550061	Flat Washer	M8	1
115	JWBS12OS-115	Lock Handle		1
	TS-152707	Hex Wrench (not shown)	6mm	1
	TS-152705	Hex Wrench (not shown)	4mm	1
118	TS-1540041	Hex Nut	M6	1
119	TS-1540061	Hex Nut	M8	4
120	SH061400	Hex Cap Bolt	M6 x 70	1
121	TS-1504131	Socket Head Cap Screw	M8 x 70	4
122	TS-1550061	Flat Washer	M8	2
123	TS-1550061	Flat Washer	M8	8
124	TS-2361081	Lock Washer	M8	6

Body Assembly

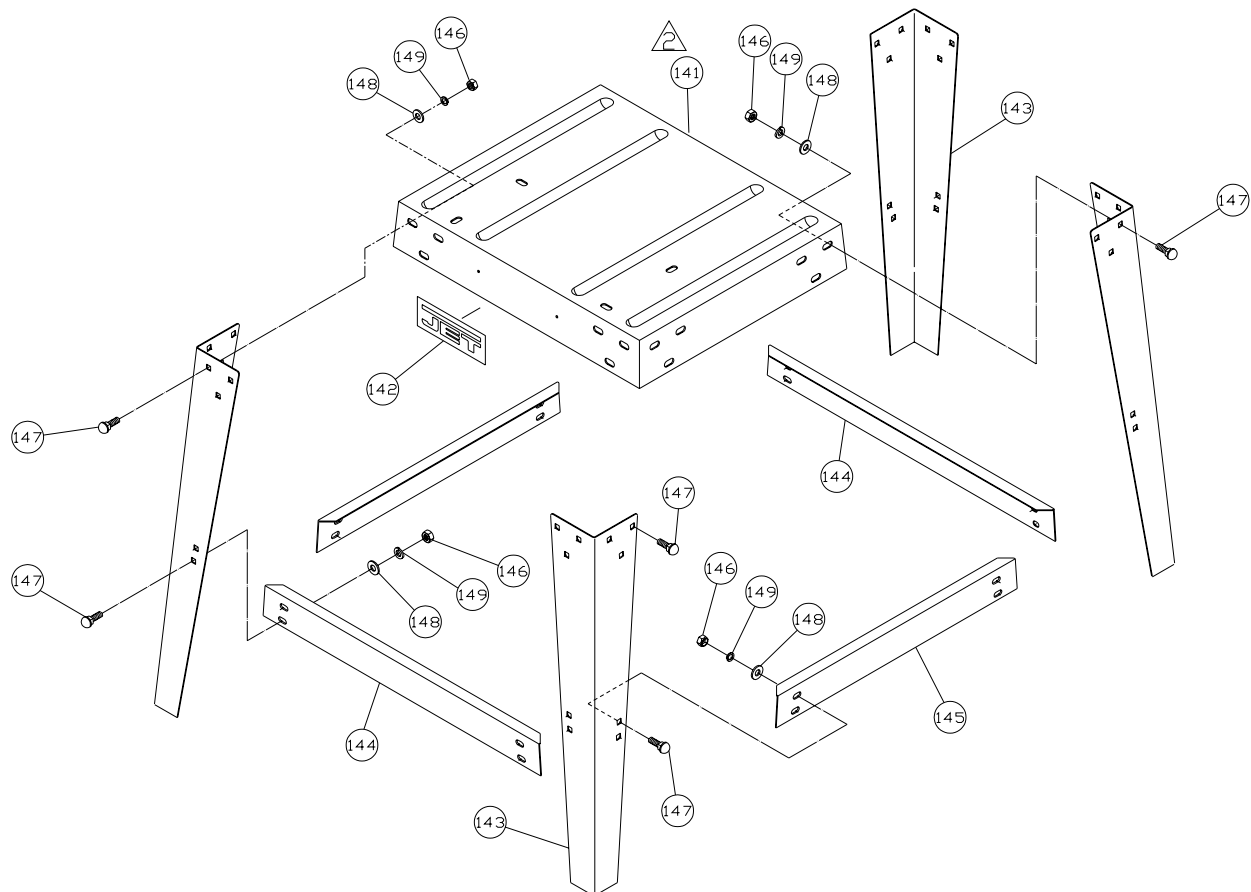
Index No.	Part No.	Description	Size	Qty
125	JW1000	Reducer		1
126	120026	Main Shaft		1
127	120024W	Bushing		1
128	TS-1522031	Set Screw	M5 x 10	2
129	BB-6203VV	Ball Bearing	6203LLU	2
131	TS-1504041	Socket Head Cap Screw	M8 x 20	3
132	TS-1551061	Lock Washer	M8	3
133	TS-1550061	Flat Washer	M8	4
134	VB-A18	V-Belt	A-18	1
135	200106	Pulley		1
136	120028	Pulley		1
137	TS-1550061	Flat Washer	M8	1
138	TS-1490021	Hex Cap Screw	M8 x 16	1
139	TS-1490061	Hex Cap Screw	M8 x 35	4
140	JWBS12OS-140	Switch Plate		1
150	JWBS12OS-150	Trunnion Clamp Shoe		1
151	JWBS12OS-151	Scale Label		1
	JSL12BS-MFC	Motor Fan Cover (not shown)		1
	JSL12BS-CC	Capacitor Cover (not shown)		1
	JSL12BS-CAP	Capacitor (not shown)		1
	AH-120101	Hardware Kit (Saw Body)		1

Body Assembly



Open Stand Assembly

Index No.	Part No.	Description	Size	Qty
141	JWBS12OS-141	Stand Top		1
142	JWBS12OS-142	JET Logo		1
143	150603W	Support Leg		4
144	612050W	Support Plate (long)		2
145	612051W	Support Plate (short)		2
146	TS-1540061	Hex Nut	M8	40
147	SC089400	Carriage Bolt	M8 x 16	40
148	TS-1550061	Flat Washer	M8	40
149	TS-2361081	Lock Washer	M8	40
	AH-61202K	Hardware Kit (Stand Assembly)		1



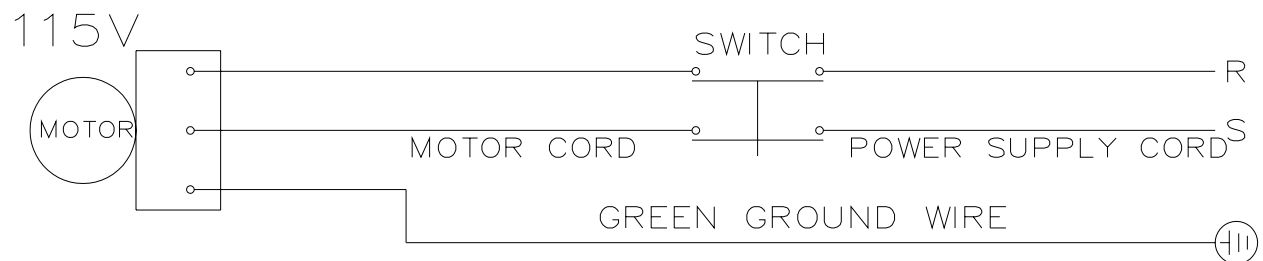
Optional Accessories

708916 Miter Gauge (JWBS-12MG)
 708917 Rip Fence Assembly (JWBS-12RF)

82" Saw Blades

709390 1/8" x .018" x 8 T.P.I. Hook Tooth
 709391 3/16" x .020" x 6 T.P.I. Skip Tooth
 709392 1/4" x .020" x 6 T.P.I. Skip Tooth
 709393 3/8" x .020" x 4 T.P.I. Skip Tooth
 709394 1/2" x .020" x 3 T.P.I. Hook Tooth (Re-saw)

Electrical Connection



Notes

Notes



WMH Tool Group, Inc.
2420 Vantage Drive
Elgin, Illinois 60124
Phone: 800-274-6848
www.wmhtoolgroup.com