



Operating Instructions and Parts Manual 10-inch Band Saw

Model JWB-10



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1.0 IMPORTANT SAFETY INSTRUCTIONS

WARNING – To reduce risk of injury:

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, JET disclaims any real or implied warranty and holds itself harmless from any injury that may result from that use.
6. Always wear ANSI Z87.1 approved safety glasses or face shield while using this drill press. (Everyday eyeglasses only have impact resistant lenses; they are *not* safety glasses.)
7. Before operating this machine, remove tie, rings, watches and other jewelry, and roll sleeves up past the elbows. Do not wear loose clothing. Confine long hair. Non-slip footwear or anti-skid floor strips are recommended. Do not wear gloves.
8. Wear ear protectors (plugs or muffs) during extended periods of operation.
9. Do not operate this machine while tired or under the influence of drugs, alcohol or any medication.
10. Make certain the switch is in the **OFF** position before connecting the machine to the power supply.
11. Make certain the machine is properly grounded.
12. Make all machine adjustments or maintenance with the machine unplugged from the power source.
13. 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.
14. 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.
15. Make sure the drill press is firmly secured to the floor or bench before use.
16. 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.
17. Provide for adequate space surrounding work area and non-glare, overhead lighting.
18. Keep the floor around the machine clean and free of scrap material, oil and grease.
19. 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.
20. Keep visitors a safe distance from the work area. **Keep children away.**
21. Make your workshop child proof with padlocks, master switches or by removing starter keys.
22. Give your work undivided attention. Looking around, carrying on a conversation and "horse-play" are careless acts that can result in serious injury.
23. 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.
24. 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 more safely.
25. Use recommended accessories; improper accessories may be hazardous.
26. Maintain tools with care. Keep saw blades sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories.
27. Disconnect tools before servicing and when changing accessories, such as blades, bits, cutters and the like.
28. Make sure the work piece is securely attached or clamped to the table. Never use your hand to hold the work piece.
29. Turn off the machine before cleaning. Use a brush or compressed air to remove chips or debris — do not use bare hands.

30. Do not stand on the machine. Serious injury could occur if the machine tips over.
31. Keep hands out of the line of saw blade.
32. Use a push-stick when required.
33. Pay particular attention to instructions on reducing risk of kickback.
34. Never reach around or over saw blade.
35. Never leave the machine running unattended. Turn the power off and do not leave the machine until it comes to a complete stop.
36. Remove loose items and unnecessary work pieces from the area before starting the machine.

⚠ WARNING: This product can expose you to chemicals including lead and cadmium which are known to the State of California to cause cancer and birth defects or other reproductive harm, and phthalates which are known to the State of California to cause birth defects or other reproductive harm. For more information go to <http://www.p65warnings.ca.gov>.

⚠ WARNING: Drilling, sawing, sanding or machining wood products generates wood dust and other substances known to the State of California to cause cancer. Avoid inhaling dust generated from wood products or use a dust mask or other safeguards for personal protection.

Wood products emit chemicals known to the State of California to cause birth defects or other reproductive harm. For more information go to <http://www.p65warnings.ca.gov/wood>.

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

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

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

SAVE THESE INSTRUCTIONS

2.0 About this manual

This manual is provided by JET covering the safe operation and maintenance procedures for a JET JWB-10 Band Saw. This manual contains instructions on installation, safety precautions, general operating procedures, maintenance instructions and parts breakdown. Your machine has been designed and constructed to provide consistent, long-term operation if used in accordance with the instructions set forth in this document.

If there are questions or comments, please contact your local supplier or JET. JET can also be reached at our web site: www.jettools.com.

Retain this manual for future reference. If the machine transfers ownership, the manual should accompany it.

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

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4.0 Features

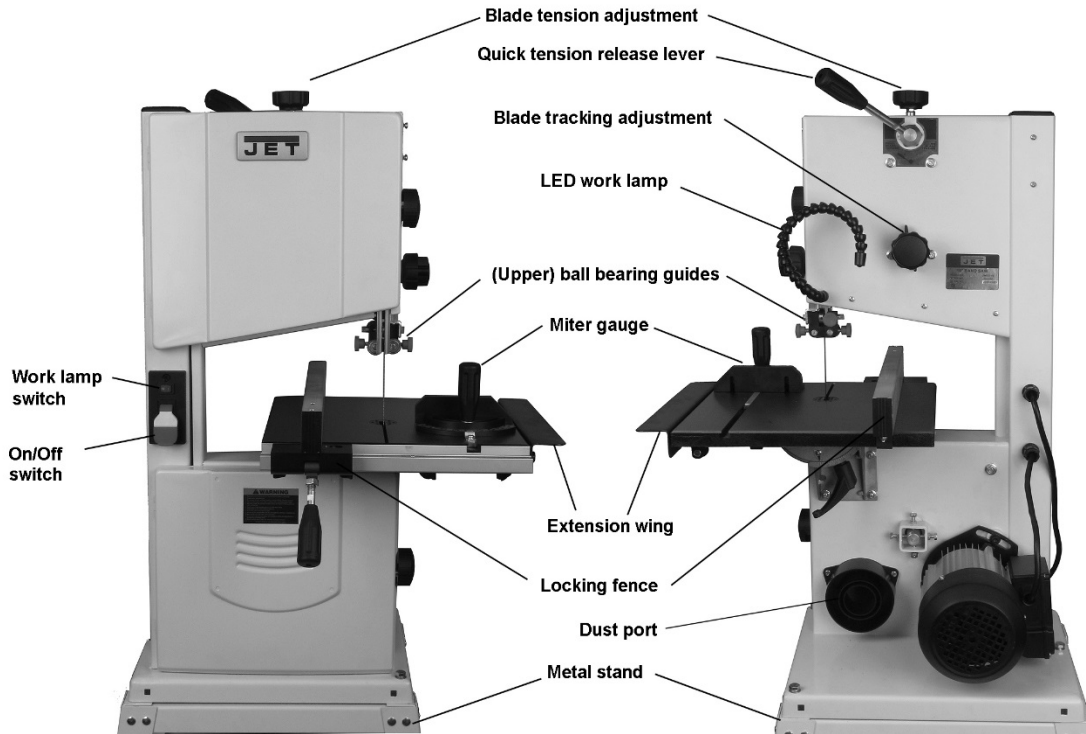


Figure 1

5.0 Specifications

Model Number.....	JWB-10
Stock Number	714000
Band Saw Size.....	10 in. (255 mm)
Cutting Capacity (height).....	4 in. (100 mm)
Cutting Capacity (width).....	9-1/2 in. (245 mm)
Maximum Rip Left of Blade w/Fence.....	5 in. (125 mm)
Maximum Rip Right of Blade w/Fence	5 in. (125 mm)
Blade Length.....	67-1/2 in. (1712 mm)
Blade Speed	2750 FPM (870 m/min)
Minimum Blade Width	1/8 in. (3.175 mm)
Maximum Blade Width	1/2 in. (12.7 mm)
Table Size	13-1/8 x 13-3/8 in. (335 x 345 mm)
Table Size with Extension	13-1/8 x 19 in. (334 mm)
Table Tilt (degrees).....	0° to 45°
Table Height from Floor	41-1/2 (1055 mm)
Wheel Diameter	10 in. (255 mm)
Dust Chute Diameter.....	4 in. (100mm)
Overall Dimensions without stand	27 L x 18 W x 33 H in. (686 x 457 x 838 mm)
Overall Dimensions with stand	30 L x 19-1/2 W x 59-1/2 H in. (762 x 496 x 1511 mm)
Stand Dimensions	25-3/4 H in. (654mm); Base: 22-1/2 L x 19 W in. (572 x 483mm); Top: 16-1/8 L x 13 W in. (410 x 330 mm)
Motor	1/2 HP, 1PH, 115V, 3.4A
Net Weight (approx.).....	83 lb. (36.4 kg)
Shipping Weight (approx.).....	92 lb. (40 kg)

The specifications in this manual were current at time of publication, but because of our policy of continuous improvement, JET reserves the right to change specifications at any time and without prior notice, without incurring obligations.

6.0 Unpacking

⚠WARNING Read and understand all assembly instructions before attempting assembly. Failure to comply may cause serious injury.

Remove all contents from shipping carton. Do not discard carton or packing material until band saw is assembled and running satisfactorily.

Compare contents of carton against list of parts below. The letter identification in the list corresponds to items shown in Figures 2 and 3. This is your key for identifying the parts used throughout the Assembly section for easy reference.

Remove the protective coating that is applied to the table with a household grease and spot remover.

6.1 Contents of shipping container

Refer to Figures 2 and 3.

- 1 Band saw – **A**
- 1 Table insert – **B**
- 1 Table – **C**
- 1 Fence – **D**
- 1 Guide rail – **E**
- 1 Handle – **F**
- 2 Hex wrenches, 3mm,6mm – **G**
- 1 Wrench – **H**
- 1 Miter gauge – **J**
- 4 Stand legs – **K**
- 4 Rubber foot – **L**
- 2 Short support plate – **M**
- 2 Long cross brace – **N**
- 2 Long support plate – **O**
- 2 Short cross brace – **P**
- 1 Owner's Manual (not shown)
- 1 Warranty Card (not shown)
- 1 Hardware package

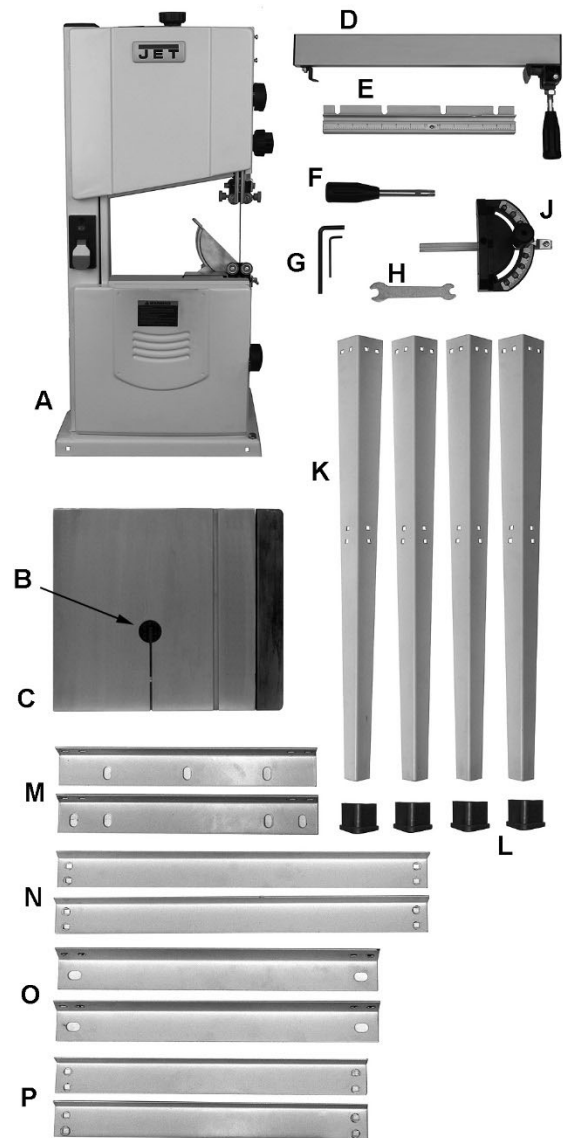


Figure 2: contents (not to scale)

Hardware package (JWB10-HP), includes:

- 3 Hex cap screw, M8x55 – **HP1**
- 4 Hex washer head screw, M6x12 – **HP2**
- 32 Carriage bolt, M6x12 – **HP3**
- 4 Wing screw – **HP4**
- 4 Flat washer blk oxide M8 – **HP5**
- 6 Flat washer M8 – **HP6**
- 3 Lock washer M8 – **HP7**
- 3 Hex nut, M8 – **HP8**
- 32 Hex flange nut, M6 – **HP9**

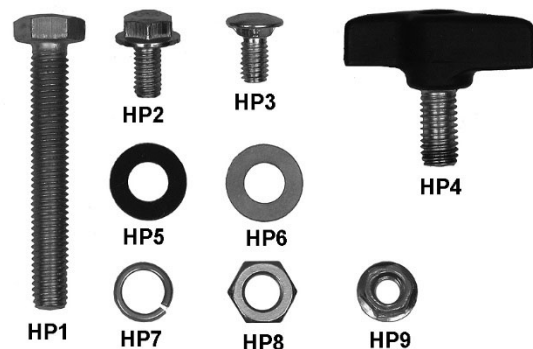


Figure 3: hardware package (JWB10-HP)

6.2 Tools required for assembly

- 10mm wrench (provided)
- 13mm wrench

Note: A socket wrench may speed assembly.

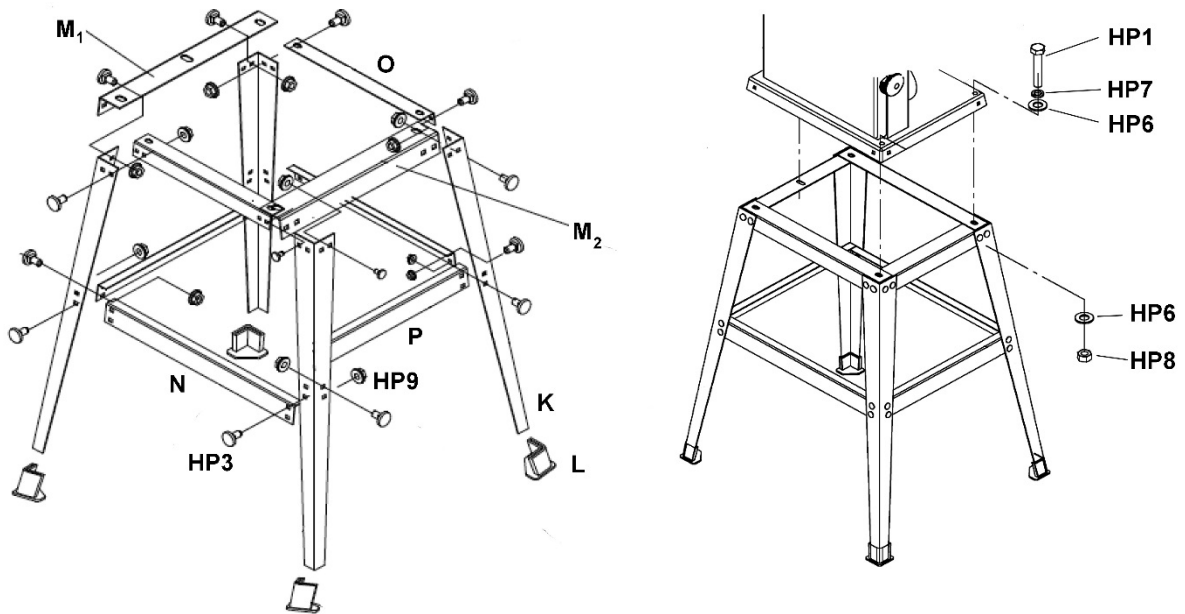


Figure 4

7.0 Assembly

7.1 Stand assembly

1. Refer to Figure 4 to assemble stand. Use carriage bolts (HP3) and flange nuts (HP9) throughout. Only *hand-tighten* all fasteners at this time.
2. Make sure the two short support plates with extra holes (M) are opposite one another as shown.
3. Slip rubber feet (L) onto ends of stand legs.
4. Place stand upright on level floor, and push down until it sits evenly.
5. Tighten all nuts on stand assembly.

7.2 Mounting saw to stand

⚠WARNING Use an assistant to help lift band saw onto stand.

Align holes on saw base with holes in stand. Mount saw to stand using three hex cap screws, with washers and nuts, as shown in Figure 300. Tighten nuts.

7.3 Table installation

Refer to Figure 5.

1. Loosen lock handle (shown in Figure 9) and pivot trunnion (A₁) to horizontal position.
2. Loosen lock knob (C₂) and pull extension (C₁) out from the table (C).

3. Orient table as shown, then maneuver to allow saw blade (A₂) to pass through slot (C₃) to the center.
 4. Line up four threaded mounting holes underneath table with the four mounting through-holes on trunnion.
- Important:** Adjust table so miter slot (C₄) is parallel with saw blade (A₂).
5. Secure with four M6x12 hex washer head screws (HP2). Tighten with 13mm wrench.

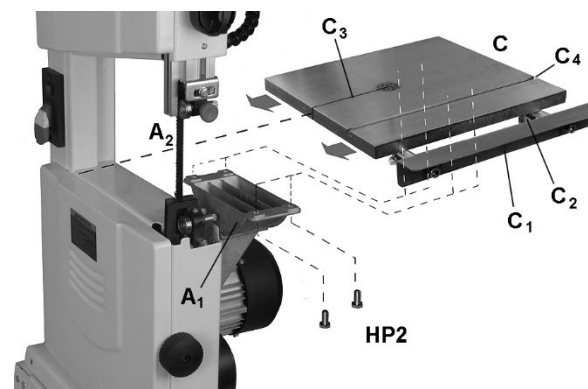


Figure 5

7.4 Guide rail and fence

7.4.1 Installation

1. Attach guide rail (E, Figure 6) to front of table. Secure with four wing screws (HP4) and flat washers (HP5).

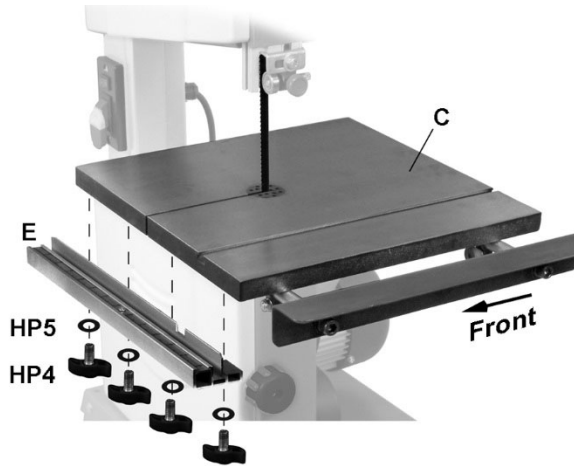


Figure 6

Refer to Figure 7:

2. Place fence assembly (D, Figure 7) onto table at the miter slot.

The rear hook should engage the rear of the table. The fence body should engage the guide rail (E).

If the fence is not parallel to the miter slot:

3. Loosen two socket head cap screws (S1) with a 4mm hex wrench. End cap (S2) may need to be removed.
4. Adjust fence so it is parallel to miter slot.
5. Lock the fence handle, securing it to the guide rail (E), and verify that fence is still parallel to miter slot.
6. Retighten two screws (S1) to secure fence to the fence body and replace end cap (S2).

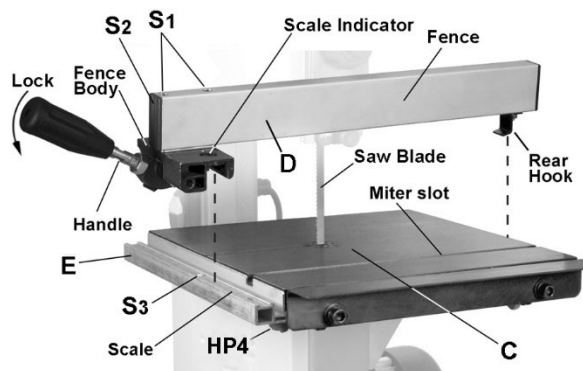


Figure 7

7.4.2 Fence scale adjustment

Refer to Figure 7:

1. Place fence assembly (D) onto table (C) **against** the saw blade. Lock fence.

If the hairline on the scale indicator does not point to zero:

2. Remove fence assembly (D).
3. Loosen screw (S3) that secures scale to guide rail (E).
4. Repeat step 1, then slide scale until hairline on scale indicator points to zero.
5. Being careful not to move the scale, unlock and lift fence from the table.
6. Tighten screw (S3) to secure scale in position.

If further adjustment is needed, wing screws (HP4) can be loosened to allow adjustment of guide rail (E).

7.5 Quick-tension handle

Install quick-tension handle into hub on back of saw. (see Q, Figure 12), and tighten using a wrench on the flat of the shaft.

7.6 Dust collection

A dust port is located at the back of the band saw for mounting a hose (not provided) to connect a dust collector or shop vacuum.

8.0 Electrical connections

WARNING All electrical connections must be done by a qualified electrician in compliance with all local codes and ordinances. Failure to comply may result in serious injury.

The JWB-10 is rated at 115-volt power. The band saw comes with a plug designed for use on a circuit with a *grounded outlet* that looks like the one pictured in A, Figure 8.

Before connecting to power source, be sure switch is in *off* position.

It is recommended that the band saw be connected to a dedicated 15 amp circuit with circuit breaker or fuse. If connected to a circuit protected by fuses, use time delay fuse marked "D". **Local codes take precedence over recommendations.**

8.1 GROUNDING INSTRUCTIONS

This machine must be grounded. 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-grounding conductor to a live terminal.

⚠ WARNING 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. Failure to comply may cause serious or fatal injury.

Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.

Repair or replace damaged or worn cord immediately.

115 Volt operation only

This tool is intended for use on a circuit that has an outlet that looks like the one illustrated in A, Figure 8. An adapter, shown in B and C, may be used to connect this plug to a 2-pole receptacle as shown in 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. *This adapter is not permitted in Canada.* 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.

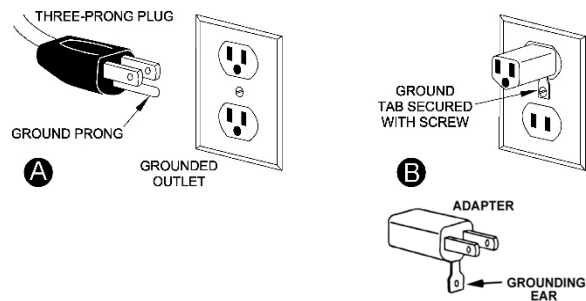


Figure 8

8.2 Extension cords

Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your machine will draw. An undersized cord will cause a drop in the line voltage resulting in power loss and overheating. The table below shows the correct size to use depending on the cord length and nameplate ampere rating. If in doubt, use the next heavier

gauge. Remember, the smaller the gauge number, the heavier the cord.

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

Extension Cord Recommendations
Table 1

9.0 Adjustments

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

9.1 Tilting table

Refer to Figure 8:

1. Loosen lock knob (A).
2. Tilt table up to 45 degrees to the right or down 5 degrees to the left. The angle can be read on the scale (B) on the trunnion bracket.

Note: Table perpendicular (90°) to the blade corresponds to a scale indication of 0°.

3. Tighten lock knob (A).

Note: The table stop (C) must be adjusted to permit the table to tilt to the left.

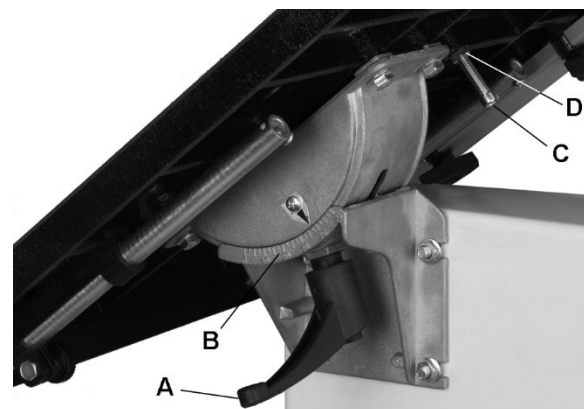


Figure 9

NOTE: Lock handle (A, Figure 9) is adjustable – pull down on handle and rotate on pin. Release handle, making sure it settles back onto pin.

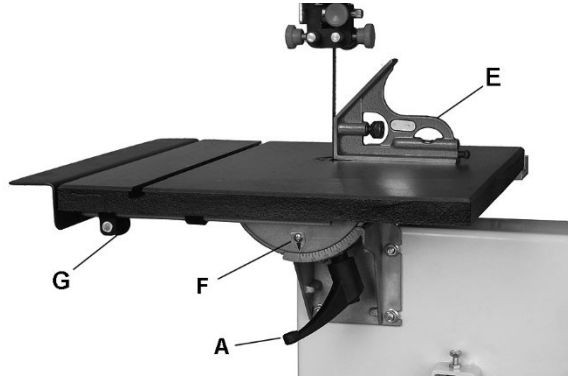


Figure 10

9.2 90° Table Stop Adjustment

9.2.1 Adjusting table stop

Refer to Figures 9 and 10.

The table stop (C, Figure 9) is typically set to stop the table at 90° (perpendicular) with the blade.

1. Disconnect machine from power source.
2. Loosen lock knob (A, Figure 9); then tilt table down, bringing it to rest against table stop (C, Figure 9).
3. Use a square (E, Figure 10) placed on the table and against the blade, to verify that table is 90° to blade.
4. If an adjustment is necessary, tilt table up to access table stop (C, Figure 9).
5. Loosen jam nut (D, Figure 9) and turn table stop in or out to raise or lower the stop. Tighten the jam nut to hold table stop in place.
6. Tilt table back to level, letting it rest against the stop and confirm table is 90° with the blade as described in step 3.

For left tilt down to 5°, the table stop (C, Figure 9) must be adjusted further.

9.2.2 Adjusting table tilt indicator

1. Set table at 90° with blade.
2. Confirm that table tilt indicator (F, Figure 10) points to zero.
3. If adjustment is required:
4. Slightly loosen screw securing indicator, adjust indicator to point to zero; then re-tighten screw.

9.3 Changing blades

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

Note: The JWB-10 Band Saw comes equipped with a factory-installed 67.5" x 0.375" x 0.014", 6TPI blade (Part No. JWBS10OS-8).

1. Disconnect machine from power source.
2. Open upper and lower doors (Figure 11) by rotating the knobs.
3. Loosen lock knob (G, Figure 10) and pull extension (H, Figure 10) away from table.
4. Remove guide rail (E, Figure 6).
5. Release tension on blade by moving tension handle (Q, Figure 12) to the right.

Refer to Figure 11:

6. Remove blade from upper and lower wheels (K,L) and from between upper and lower blade guides (M,N).
7. Remove blade through slot (O) in table.
8. Guide the new blade through table slot (O) leading with the smooth edge. Place it around the upper and lower wheels and into the upper and lower blade guides (M,N).
9. **Note:** The blade teeth should face the operator, and they should point down toward the table.
10. Position the blade to track in the middle of the rubber tires on the wheels (M,N).
11. Engage tension on the blade by moving quick tension handle (Q, Figure 12) to the left.
12. Replace guide rail (E, Figure 6).

Before operating the saw, check that the blade is tracking and has proper tension as described in sections 8.4 and 8.5 below.

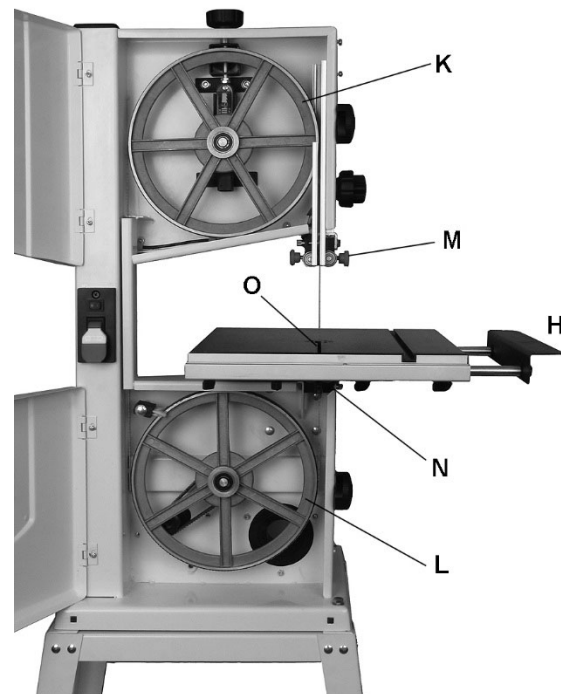


Figure 11

9.4 Adjusting blade tension

Refer to Figure 12:

The blade tension knob (P) is used to adjust blade tension.

The quick tension lever (Q) must be engaged (moved to the left) before making tension adjustments with knob (P).

All bearings on upper and lower guides must be clear of blade (see sect. 9.7).

1. Disconnect machine from power source.
2. Apply just enough tension to take slack out of blade.
3. Turn one wheel a few times to allow blade to position itself in center of tire.
4. **Note:** If blade does not center, see sect. 9.5, *Adjusting blade tracking*.
5. A gauge (R) directly behind upper wheel indicates approximate tension according to width of blade. Set blade tension with knob (P) to correspond to blade width as marked on gauge (R).
6. **Note:** A tension meter is recommended to precisely set tension for the size of blade used.

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.

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

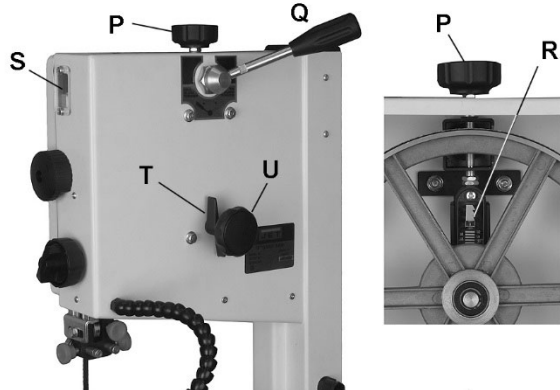


Figure 12

9.5 Adjusting blade tracking

Refer to Figure 12:

⚠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.

The blade must be slightly tensioned (see sect. 9.4) before adjusting blade tracking. Make sure blade guides and bearings (M,N, Figure 11) do not interfere with blade. If blade tracking is required, blade guide adjustment is described in sect. 9.7.

1. Open upper and lower doors. Rotate upper wheel forward by hand, and observe position of blade on wheel through the window (S, Figure 12). Blade should be in the center of the wheel.

If adjustment is necessary:

2. Loosen handle (T) and make adjustment with tracking knob (U) while rotating wheel by hand.
3. Tightening the tracking knob slightly will move the 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.
4. After blade is tracking in the center of the wheel, tighten handle (T).

9.6 Upper blade guide positioning

Refer to Figure 13:

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

Loosen lock knob (V) and raise or lower upper blade guide assembly (W) by turning height adjustment knob (X).

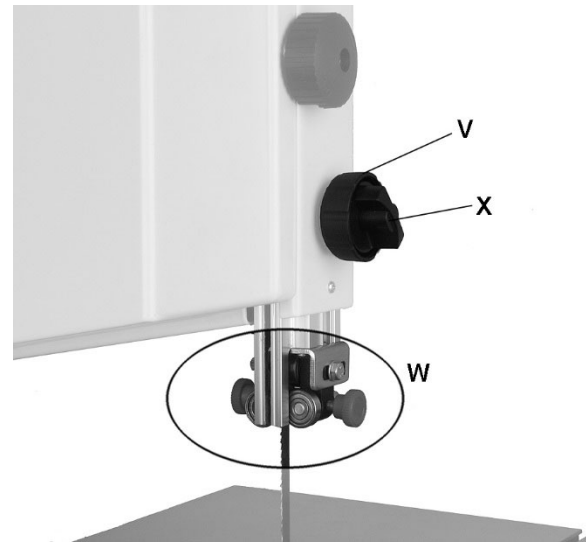


Figure 13

9.7 Blade guide adjustment

Overview

The blade guide assembly consists of two roller guides (bearings) positioned on each side of the blade to provide blade stability. A third guide (thrust bearing) is positioned behind the blade to provide blade support.

There are two blade guide assemblies – an upper assembly (Figure 14) and lower assembly (Figure 15).

Adjustments are performed in the same manner for each assembly. Each assembly must be adjusted in turn using the adjustment procedures outlined below.

9.7.1 Thrust bearing adjustment

⚠WARNING Disconnect machine from power source. Never make adjustments with the machine running. Failure to comply may cause serious injury.

Refer to Figures 14 and 15:

Note: Blade must already be tensioned and tracking properly (*sect. 9.4 and 9.5*).

1. Disconnect machine from power source.
2. For the upper thrust bearing, loosen thumbscrew (A, Figure 14). For the lower blade guide, loosen setscrew (A, Figure 15) with the 3mm hex wrench provided.
3. Slide the adjustment shaft (C) so the blade is positioned in the middle of the thrust bearing (D).

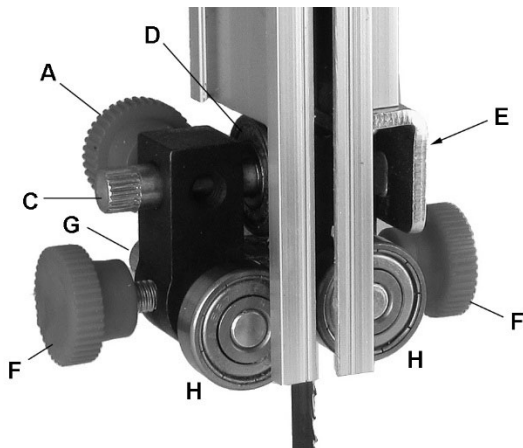


Figure 14: upper blade guides

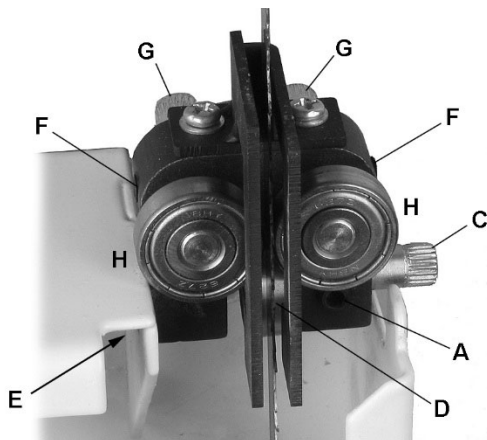


Figure 15: lower blade guides

The thrust bearing (D) is mounted on a concentric shaft (C). When the shaft is rotated, the relative position of the bearing to the back of the blade can be changed.

5. Rotate the adjustment shaft (C) so the thrust bearing (D) just clears the back of the saw blade.
6. Tighten thumbscrew/setscrew (A).

NOTE: If a blade is being replaced with a new one of a different size, the adjustment described above may fall out of range and further adjustment may be required as follows:

7. Loosen the socket head screw (E, not visible) with a 10mm wrench and adjust the entire assembly back or forth to just clear the back of the saw blade. Tighten screw (E), then fine tune the adjustment by repeating the first part of this step.
8. Secure the thrust bearing (D) by tightening the thumbscrew (A, upper guide) or setscrew (A, lower guide).

9.7.2 Guide bearing adjustment

⚠WARNING Disconnect machine from power source. Never make adjustments with the machine running. Failure to comply may cause serious injury.

Refer to Figures 14 and 15:

Note: Blade must already be tensioned and tracking properly (*sect. 9.4 and 9.5*).

1. Disconnect machine from power source.
2. For upper blade guide, loosen two thumbscrews (F). For lower blade guide, loosen two setscrews (F) with the 3mm hex wrench provided.
3. Slide adjustment shaft (G) to position each guide bearing (H) approximately 1/16" behind the gullets of the saw blade.

The guide bearing (H) is mounted on a concentric shaft. When the shaft (G) is rotated, the relative position of the guide to the blade can be changed.

4. Rotate each adjustment shaft (G) to position the guide bearings (H) within 1/32" of the saw blade.
5. Secure the guide bearings (H) by tightening thumbscrews (F, upper guide) or setscrews (F, lower guide).

9.7.3 Miter gauge adjustment

Refer to Figure 16:

To adjust angle of miter gauge, loosen handle (J) and rotate gauge body. Tighten handle.

Place miter gauge into table slot and use a square to verify that 90-degree setting on scale is 90-degrees to slot. Adjust pointer (K) if necessary.

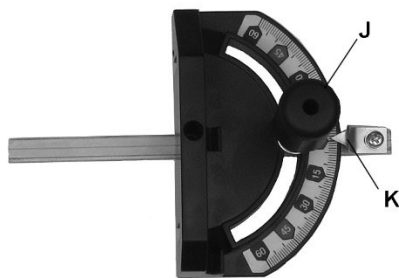


Figure 16

10.0 Operating controls

On/Off Switch – located on front of machine: pull switch out to start; push switch in to stop. When yellow safety key is removed, machine will not start.

Work Lamp Switch – located on front of machine above On/Off switch. Turns LED work lamp on and off.

11.0 User-maintenance

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

After each use, clean sawdust from table and blade guides with a brush or compressed air (do not use bare hands).

Check that bolts are tight and electrical cords are in good condition.

Belt should be in good condition with no sign of cracks, frays or deterioration.

Bearings on the band saw are self-contained and permanently lubricated; no further lubrication is needed.

Periodically blow out any dust from fan cover of motor.

The exposed table surface should be kept clean and free of rust. Protective sprays or paste wax are available from most hardware stores. Note: Avoid wax that contains silicone or other synthetic ingredients; these materials can find their way into lumber and make staining and finishing difficult.

If the band saw is not to be used for an extended period of time, de-tension the blade to prevent stress upon the wheels.

11.1 Replacing drive belt

1. Disconnect machine from power source.
2. Open upper and lower doors.
3. Remove saw blade as described in sect. 9.3.

Refer to Figure 17:

4. Remove tension on drive belt (L) by loosening the socket head screw (13mm wrench required) on the back of the cabinet that secures the motor.
5. Using snap ring pliers, remove snap ring (M) that secures lower wheel (N) to shaft (O).
6. Slide lower wheel assembly off the shaft (O) which will dislodge the belt (L). Discard the old belt.
7. Place new belt onto lower wheel pulley.
8. Reinstall lower wheel assembly by sliding it back onto the shaft (O).
9. Reinstall snap ring (M).
10. Place new belt (L) partially around motor pulley (P) to get it started, then turn wheel (N) by hand until belt is completely seated on motor pulley (P).
11. Push the motor down to add tension to belt. The belt is properly tensioned when moderate finger pressure on the belt between the two pulleys causes a 1/2-inch deflection.
12. Tighten socket head screw on the back of the cabinet that secures the motor.
13. Re-install blade as described in sect. 9.3.



Figure 17

11.2 Adjusting drive belt tension

Refer to Figure 17:

1. Disconnect machine from power source.
2. With a 13mm wrench, loosen socket head screw on back of cabinet that secures the motor.
3. Push motor down to add tension to belt.
4. The belt is properly tensioned when moderate finger pressure on the belt between the two pulleys causes a 1/2" deflection.
5. Tighten socket head screw that secures motor.

12.0 Optional Accessories

Stock no.	Application	Length	Width	Thickness	TPI
707201	Scrollwork	67.5 in.	0.125 in.	0.025 in.	18TR
707202	Resaw	67.5 in.	0.5 in.	0.032 in.	4HK
707203	General purpose	67.5 in.	0.5 in.	0.025 in.	6HK
707204	General purpose	67.5 in.	0.25 in.	0.025 in.	6SK

13.0 Troubleshooting JWB-10 Band Saw

Symptom	Possible Cause	Correction
Saw stops or will not start	Saw unplugged	Check 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° cuts	Stop not adjusted correctly	Check blade with square and adjust stop
	Angle pointer not set accurately	Check blade with square and adjust pointer
Blade wanders during cut	Fence not aligned with blade	Check and adjust fence
	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
	Guide bearings not set properly	Review guide bearing adjustment
Saw makes unsatisfactory cuts	Dull blade	Replace blade
	Blade mounted wrong	Teeth should point down
	Gum or pitch on blade	Remove blade and clean
	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
	Bad v-belt	Replace v-belt
	Motor mount is loose	Tighten motor mount hardware
	Loose hardware	Tighten hardware

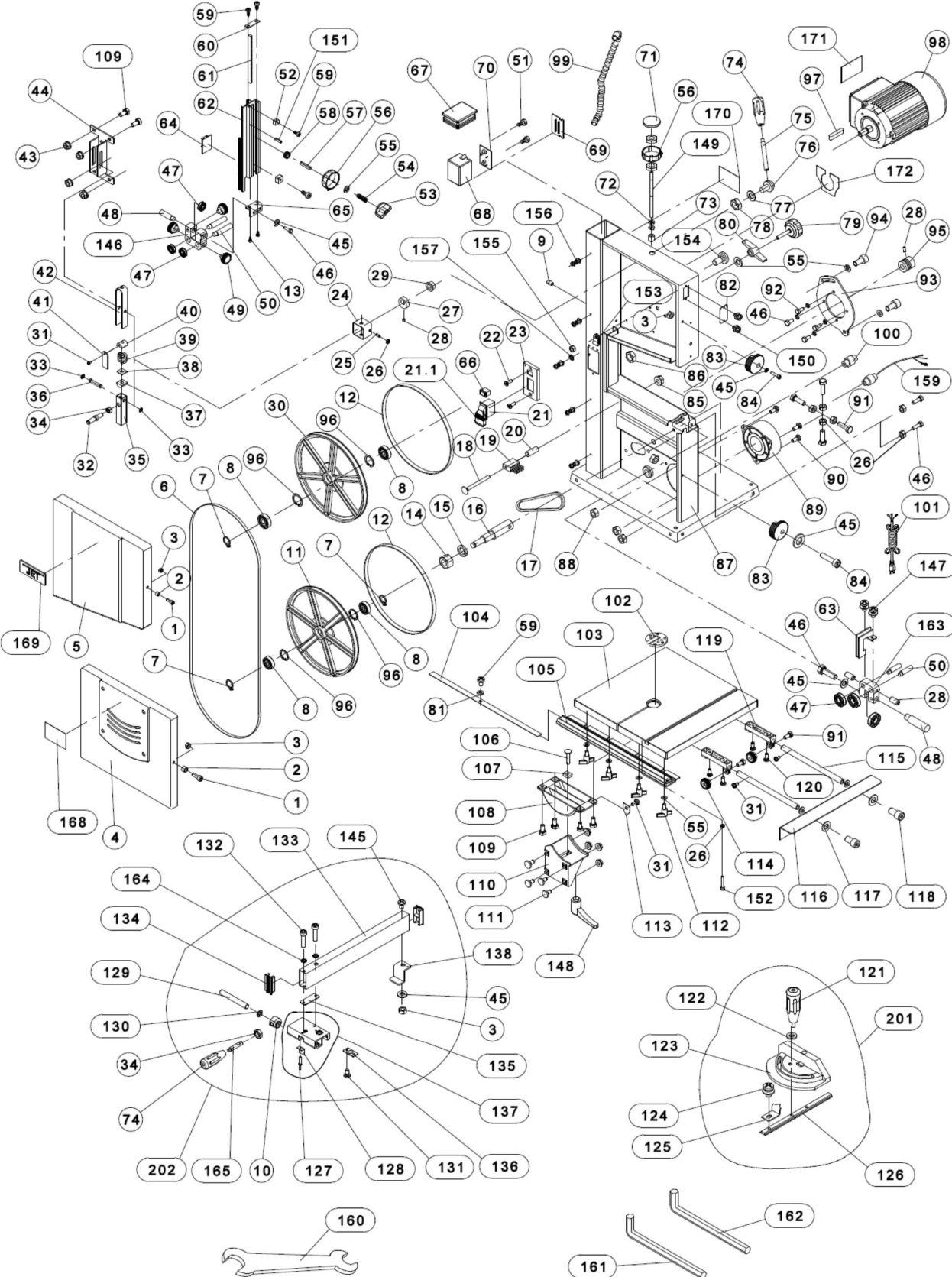
14.0 Replacement Parts

Replacement parts are listed on the following pages. To order parts or reach our service department, call 1-800-274-6848 Monday through Friday, 8:00 a.m. to 5:00 p.m. CST. Having the Model Number and Serial Number of your machine available when you call will allow us to serve you quickly and accurately.

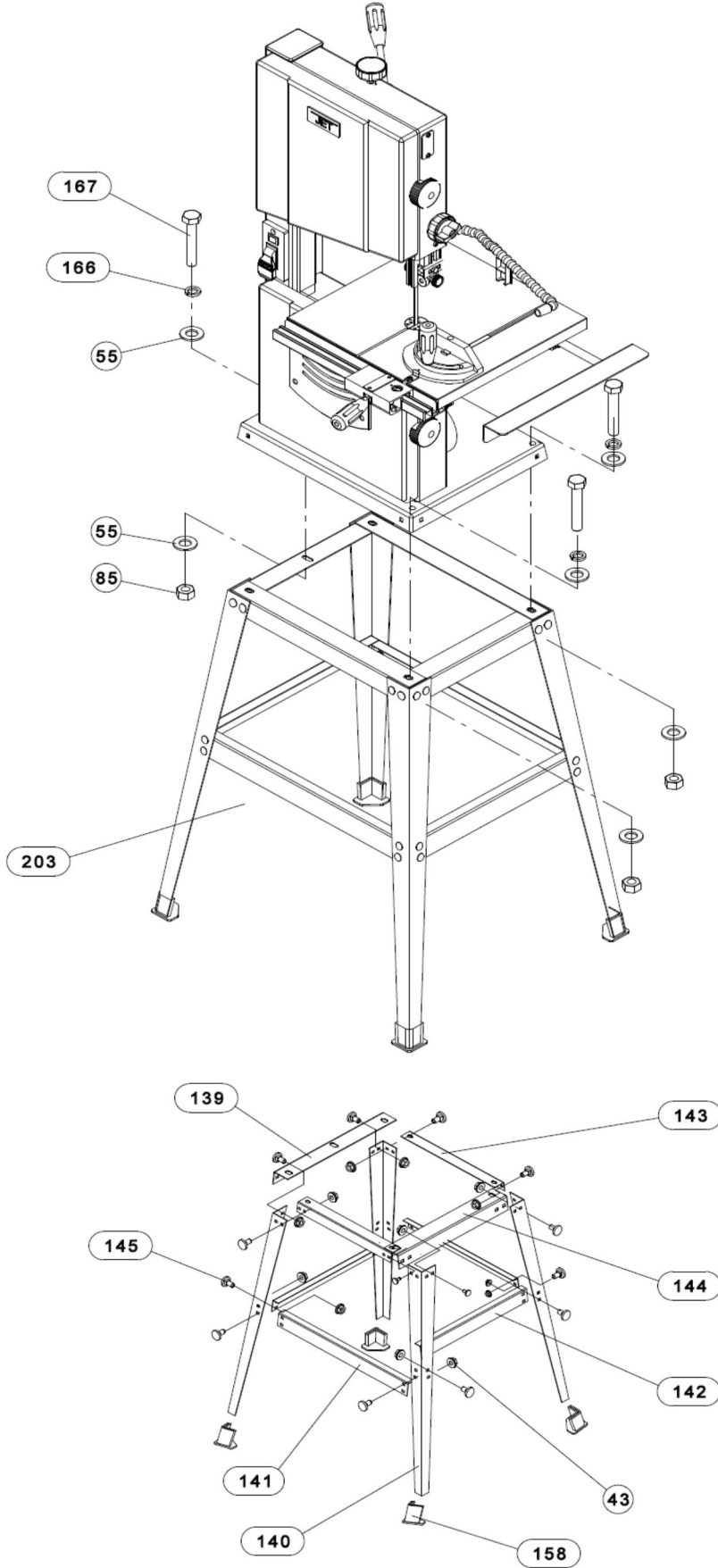
Non-proprietary parts, such as fasteners, can usually be found at local hardware stores, or may be ordered from JET.

Some parts are shown for reference only, and may not be available individually.

14.1.1 JWB-10 Band Saw – Exploded View



14.1.2 JWB-10 Stand Assembly – Exploded View



14.1.3 JWB-10 Band Saw and Stand – Parts List

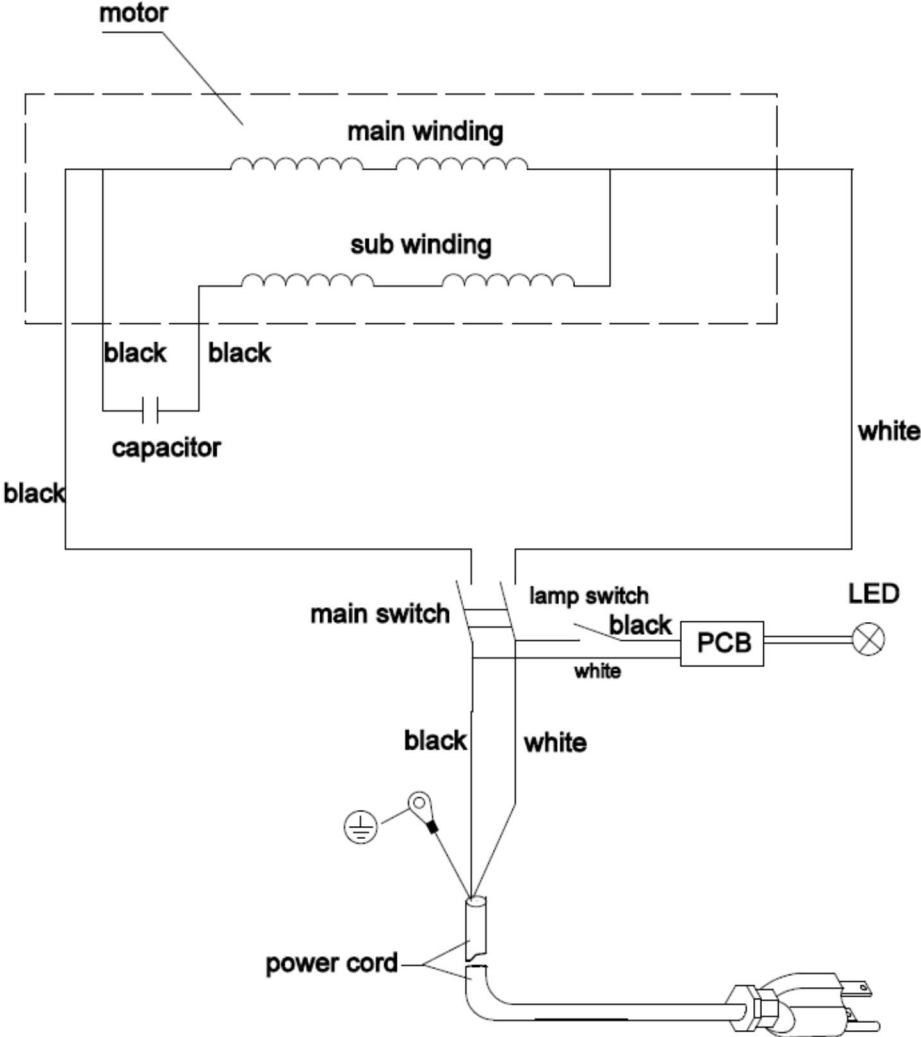
Index No	Part No	Description	Size	Qty
1	TS-1503041	Socket Head Cap Screw	M6x16	2
2	JWB10-002	Spacer		2
3	TS-1541021	Nylon Insert Lock Nut	M6	5
4	JWB10-004	Lower Door		1
5	JWB10-005	Upper Door		1
6	JWBS10OS-8	Blade	67.5 x 0.375 x 0.014, 6TPI	1
7	JDP12-42	Retaining Ring	11mm	2
8	BB-6001ZZ	Ball Bearing	6001RS	4
9	JWB10-009	Cord Bushing		1
10	JWB10-010	Eccentric shaft		1
11	JWB10-011	Lower Wheel		1
12	JWB10-012	Tire		2
13	JWB10-013	Self-Tapping Screw	ST3.5x12	2
14	F003103	Hex Nut	M14-1.5	1
15	JWB10-015	Retaining Ring	14mm	1
16	JWB10-016	Lower Wheel Shaft		1
17	JWB10-017	Belt	4PJ337	1
18	JWB10-018	Carriage Bolt	M8x70	1
19	JWB10-019	Brush		1
20	JWB10-020	Spacer Bushing		1
21	JWB10-021	Start/Stop Switch		1
21.1	JWBS10OS-25-1	Switch Safety Key		1
22	TS-1512021	Socket Head Flat Screw	M4x12	2
23	JWB10-023	Switch Plate		1
24	JWBS10OS-30	Square Housing		1
25	TS-1523041	Socket Set Screw	M6x12	1
26	TS-1540041	Hex Nut	M6	8
27	JWBS10OS-29	Eccentric Block		1
28	TS-1523031	Socket Set Screw	M6x10	4
29	JWB10-029	Sleeve		1
30	JWB10-030	Upper Wheel		1
31	TS-2284082	Pan Head Machine Screw	M4x8	4
32	JWB10-032	Upper Wheel Shaft		1
33	JWB10-033	E-Clip	6mm	2
34	TS-2311101	Hex Nut	M10	2
35	JWBS10OS-69	Upper Wheel Axis Seat		1
36	JWB10-036	Shaft		1
37	JWBS10OS-67	Nut		1
38	JWB10-038	Tension Scale Pointer		1
39	JWB10-039	Spring		1
40	JWBS10OS-64	Semi-Sphere Segment		1
41	JWB10-041	Tension Scale		1
42	JWBS10OS-63	U-Bracket		1
43	JWB10-043	Hex Flange Nut	M6	40
44	JWBS10OS-61	Guide Plate		1
45	TS-1550041	Washer	6mm	5
46	TS-1482021	Hex Cap Screw	M6x12	8
47	BB-627Z	Ball Bearing	627Z	6
48	JWB10-048	Bearing Shaft		2
49	JWB10-049	Lock Knob		3
50	JWB10-050	Bearing Shaft		4
51	JWB10-051	Self-Tapping Screw	ST4.2x13	2
52	JWB10-052	Guide Block		2
53	JWB10-053	Locking Knob		1
54	JWB10-054	Spring		1
55	TS-1550061	Flat Washer *	8mm	7
56	JWB10-056	Knob		2
57	JWB10-057	Shaft		1
58	JWB10-058	Gear		1
59	JWB10-059	Self-Tapping Screw	ST3.5x10	4

Index No	Part No	Description	Size	Qty
60	JWB10-060	Blade Guard Cover		1
61	JWB10-061	Rack		1
62	JWB10-062	Upper Blade Guard		1
63	JWB10-063	Lower Blade Guard		1
64	JWB10-064	Sliding Plate		1
65	JWB10-065	Guide Seat		1
66	JWB10-066	LED Lamp Switch		1
67	JWB10-067	Tube Plug		1
68	JWB10-068	Voltage Adapter		1
69	JWB10-069	Voltage Adapter Cover		1
70	JWB10-070	PCB		1
71	JWB10-071	Knob Cover		1
72	JWB10-072	Thin Hex Nut	M8	4
73	JWB10-073	Tension Sleeve		1
	JWB10-074A	Handle Assembly (#74,75)		1
74	JWB10-074	Handle Grip		2
75	JWB10-075	Handle		1
76	JWB10-076	Hub		1
77	JWB10-077	Washer		1
78	JWB10-078	Thin Hex Nut	M20x1.5	1
79	JWB10-079	Knob		1
80	JWB10-080	Wing Nut		1
81	TS-1550021	Washer	4mm	1
82	JWB10-082	Blade Tracking Window		1
83	JWB10-083	Door Lock Knob		2
84	TS-1503061	Socket Head Cap Screw	M6x25	2
85	JWB10-085	Hex Nut *	M8	4
86	JWB10-086	Hex Nut	G1/4	1
87	JWB10-087	Saw Body		1
88	TS-1540031	Hex Nut	M5	3
89	JWBS10OS-95	Dust Chute		1
90	TS-1533042	Pan Head Machine Screw	M5x12	3
91	TS-1482041	Hex Cap Screw	M6x20	6
92	TS-2361061	Spring Washer	6mm	4
93	JWB10-093	Motor Mount		1
94	TS-1504031	Socket Head Cap Screw	M8x16	2
95	JWB10-095	Motor Pulley		1
96	F006051	Retaining Ring, External	C-28	4
97	6296048	Key	A5x25	1
98	JWB10-098	Motor Assembly	1/2HP, 115V, 1Ph	1
	JWB10-098MF	Motor Fan (not shown)		1
	JWB10-098RC	Running Capacitor (not shown)	25µF, 300V	1
	JWB10-098JB	Junction Box (not shown)		1
	JWB10-098JBC	Junction Box Cover (not shown)		1
	JWB10-098MC	Motor Cover (not shown)		1
99	JWBS10OS-36	LED Lamp Assembly		1
100	JWB10-100	Strain Relief		2
101	JWB10-101	Power Cord		1
102	JWB10-102	Table Insert		1
103	JWBS10OS-100	Table		1
104	JWB10-104	Table Scale		1
105	JWB10-105	Fence Guide Rail		1
106	JWB10-106	Carriage Bolt	M8x30	1
107	JWB10-107	Slide Block		1
108	JWB10-108	Trunnion		1
109	JWB10-109	Hex Cap Screw *	M6x12	8
110	JWB10-110	Support Bracket		1
111	JWB10-111	Carriage Bolt	M6x16	4
112	JWB10-112	Wing Screw *		4
113	JWB10-113	Pointer		1
114	JWB10-114	Lock Knob		2
115	JWBS10OS-115	Extension Rod		2

Index No	Part No	Description	Size	Qty
116	JWBS10OS-114	Extension Wing		1
117	TS-1550071	Flat Washer	10mm	4
118	TS-1505011	Socket Head Cap Screw	M10x16	2
119	JWB10-119	Extension Bracket		2
120	TS-1533032	Pan Head Machine Screw	M5x10	4
201	JWB10-201	Miter Gauge Assembly (#121 thru 126)		1
121	JWB10-121	Handle		1
122	TS-1550041	Flat Washer	6mm	1
123	JWB10-123	Miter Gauge		1
124	JWB10-124	Pan Head Screw Assembly	M5x8	1
125	JWB10-125	Pointer		1
126	JWB10-126	Sliding Guide		1
202	JWB10-202	Complete Fence Assembly (#127 thru 138,3,34,45,145,74,164,165)		1
127	JWB10-127	Self-Plugging Rivet	4x6mm	1
128	JWB10-128	Plate		1
129	JWB10-129	Shaft		1
130	JWB10-130	Washer		1
131	TS-1531012	Pan Head Machine Screw	M3x6	1
132	TS-1502021	Socket Head Cap Screw	M5x10	2
133	JWB10-133	Fence		1
134	JWB10-134	Block		2
135	JWB10-135	Plate		1
136	JWB10-136	Plate		1
137	JWB10-137	Fence Base Assembly		1
138	JWB10-138	Block		1
203	JWB10-203	Stand Assembly (#43, 139 thru 145, 158)		1
139	JWB10-139	Short Support Plate A		1
140	JWB10-140	Stand Leg		4
141	JWB10-141	Long Cross Brace		2
142	JWB10-142	Short Cross Brace		2
143	JWB10-143	Long Support Plate		2
144	JWB10-144	Short Support Plate B		1
145	JWB10-145	Carriage Bolt	M6x12	33
146	JWB10-146	Bearing Bracket A		1
147	JWB10-147	Phillips Screw Assembly	M4x6	2
148	JWB10-148	Lock Handle		1
149	JWB10-149	Shaft		1
150	JWB10-150	Philips Screw Assembly	M4x6	2
151	JWB10-151	Pin	2.4x14	1
152	TS-1503081	Socket Head Cap Screw	M6x35	1
153	JWB10-153	Clamp		3
154	TS-1532032	Pan Head Machine Screw	M4x10	3
155	TS-1540021	Hex Nut	M4	3
156	JWB10-156	Phillips Screw Assembly	M4X8	6
157	F002095	Lock Washer, Ext. Tooth	4mm	2
158	JWB10-158	Rubber Foot		4
159	JWB10-159	Cord		1
160	JWB10-160	Wrench		1
161	TS-152704	Hex wrench S3	S3	1
162	TS-152707	Hex wrench S6	S6	1
163	JWB10-163	Bearing Bracket B		1
164	F002097	Lock Washer, Ext. Tooth	5mm	2
165	JWB10-165	Shaft		1
166	TS-2361081	Lock Washer *	8mm	3
167	TS-2361081	Hex Cap Screw *	M8x55	3
168	JWB10-168	Warning Label		1
169	JET-92	Jet Logo with Adhesive	92x38mm	1
170	JWB10-170	ID Label		1
171	JWB10-171	Motor Label		1
172	JWB10-172	Lock Label		1
	JWB10-HP	Hardware Package (includes items marked with *)		

15.0 Electrical Connections for JWB-10 Band Saw

1/2HP, 1PH, 115V



16.0 Warranty and service

JET warrants every product it sells against manufacturers' defects. If one of our tools needs service or repair, please contact Technical Service by calling 1-800-274-6846, 8AM to 5PM CST, Monday through Friday.

Warranty Period

The general warranty lasts for the time period specified in the literature included with your product or on the official JET branded website.

- JET products carry a limited warranty which varies in duration based upon the product. (See chart below)
- Accessories carry a limited warranty of one year from the date of receipt.
- Consumable items are defined as expendable parts or accessories expected to become inoperable within a reasonable amount of use and are covered by a 90 day limited warranty against manufacturer's defects.

Who is Covered

This warranty covers only the initial purchaser of the product from the date of delivery.

What is Covered

This warranty covers any defects in workmanship or materials subject to the limitations stated below. This warranty does not cover failures due directly or indirectly to misuse, abuse, negligence or accidents, normal wear-and-tear, improper repair, alterations or lack of maintenance. JET woodworking machinery is designed to be used with Wood. Use of these machines in the processing of metal, plastics, or other materials outside recommended guidelines may void the warranty. The exceptions are acrylics and other natural items that are made specifically for wood turning.

Warranty Limitations

Woodworking products with a Five Year Warranty that are used for commercial or industrial purposes default to a Two Year Warranty. Please contact Technical Service at 1-800-274-6846 for further clarification.

How to Get Technical Support

Please contact Technical Service by calling 1-800-274-6846. **Please note that you will be asked to provide proof of initial purchase when calling.** If a product requires further inspection, the Technical Service representative will explain and assist with any additional action needed. JET has Authorized Service Centers located throughout the United States. For the name of an Authorized Service Center in your area call 1-800-274-6846 or use the Service Center Locator on the JET website.

More Information

JET is constantly adding new products. For complete, up-to-date product information, check with your local distributor or visit the JET website.

How State Law Applies

This warranty gives you specific legal rights, subject to applicable state law.

Limitations on This Warranty

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

JET SHALL IN NO EVENT BE LIABLE FOR DEATH, INJURIES TO PERSONS OR PROPERTY, OR FOR INCIDENTAL, CONTINGENT, SPECIAL, OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OF OUR PRODUCTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

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Product Listing with Warranty Period

90 Days – Parts; Consumable items
1 Year – Motors; Machine Accessories
2 Year – Metalworking Machinery; Electric Hoists, Electric Hoist Accessories; Woodworking Machinery used for industrial or commercial purposes
5 Year – Woodworking Machinery
Limited Lifetime – JET Parallel clamps; VOLT Series Electric Hoists; Manual Hoists; Manual Hoist Accessories; Shop Tools; Warehouse & Dock products; Hand Tools; Air Tools

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