Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference. 23k

Bauer™

24702E-B

9" BENCHTOP BANDSAW



Visit our website at: http://www.harborfreight.com
Email our technical support at: productsupport@harborfreight.com

70630

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠WARNING

Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

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Bauer™

WARNING SYMBOLS AND DEFINITIONS	
⚠	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
⚠DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
⚠WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
⚠CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

IMPORTANT SAFETY INFORMATION

General Tool Safety Warnings

⚠WARNING

Read all safety warnings and instructions.
Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.
Save all warnings and instructions for future reference.

1. KEEP GUARDS IN PLACE and in working order.
2. REMOVE ADJUSTING KEYS AND WRENCHES. Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
3. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.
4. 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.
5. KEEP CHILDREN AWAY. All visitors should be kept safe distance from work area.
6. MAKE WORKSHOP KID PROOF with padlocks, master switches, or by removing starter keys.
7. DON'T FORCE TOOL. It will do the job better and safer at the rate for which it was designed.
8. USE RIGHT TOOL. Don't force tool or attachment to do a job for which it was not designed.

Table A: RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS (120 VOLT)				
NAMEPLATE AMPERES (at full load)	**EXTENSION CORD LENGTH**			
	25′	**50′**	**100′**	**150′**
0 – 6	18	16	16	14
6.1 – 10	18	16	14	12
10.1 – 12	16	16	14	12
12.1 – 16	14	12	**Do not use.**	

9. USE PROPER EXTENSION CORD. 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 product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table A shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
10. WEAR PROPER APPAREL. Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
11. ALWAYS USE SAFETY GLASSES. Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
12. SECURE WORK. Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
13. DON'T OVERREACH. Keep proper footing and balance at all times.
14. MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
15. DISCONNECT TOOLS before servicing; when changing accessories, such as blades, bits, cutters, and the like.
16. REDUCE THE RISK OF UNINTENTIONAL STARTING. Make sure switch is in off position before plugging in.
17. USE RECOMMENDED ACCESSORIES. Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
18. NEVER STAND ON TOOL. Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
19. CHECK DAMAGED PARTS. Before further use of the tool, 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.
20. DIRECTION OF FEED. Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.
21. NEVER LEAVE TOOL RUNNING UNATTENDED. TURN POWER OFF. Don't leave tool until it comes to a complete stop.

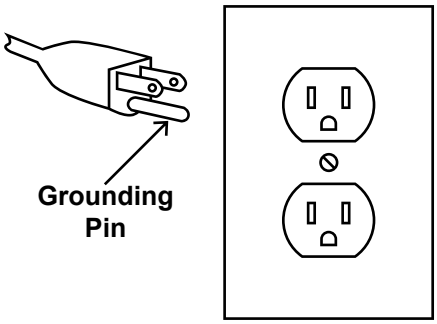
Grounding Instructions

⚠WARNING

TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION READ AND FOLLOW THESE INSTRUCTIONS:

110-120 VAC Grounded Tools: Tools with Three Prong Plugs

1. 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.
2. Do not modify the plug provided – if it will not fit the outlet, have the proper outlet installed by a qualified electrician.
3. 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.
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.
5. Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.
6. Repair or replace damaged or worn cord immediately.



125 VAC 3-Prong Plug and Outlet (for up to 125 VAC and up to 15 A)

7. This tool is intended for use on a circuit that has an outlet that looks like the one illustrated above in **125 VAC 3-Prong Plug and Outlet**. The tool has a grounding plug that looks like the plug illustrated above in **125 VAC 3-Prong Plug and Outlet**.
8. The outlet must be properly installed and grounded in accordance with all codes and ordinances.
9. Do not use an adapter to connect this tool to a different outlet.

Band Saw Safety Warnings

For Your Own Safety Read Instruction Manual Before Operating Saw

1. Wear eye protection.
2. Do not remove jammed cutoff pieces until blade has stopped.
3. Maintain proper adjustment of blade tension, blade guides, and thrust bearings.
4. Adjust upper guide to just clear workpiece.
5. Hold workpiece firmly against table.
6. Use special care when unpacking or replacing bandsaw blade. Blade can be under tension and may suddenly uncoil. Wear ANSI-approved safety glasses under a full face shield and heavy-duty work gloves.
7. **DO NOT OPERATE WITH ANY GUARD DISABLED, DAMAGED, OR REMOVED. Moving guards must move freely and close instantly.**
8. The use of accessories or attachments not recommended by the manufacturer may result in a risk of injury to persons.
9. When servicing use only identical replacement parts.
10. Only use safety equipment that has been approved by an appropriate standards agency. Unapproved safety equipment may not provide adequate protection. Eye protection must be ANSI-approved and breathing protection must be NIOSH-approved for the specific hazards in the work area.

11. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

12. Industrial applications must follow OSHA guidelines.

13. Maintain labels and nameplates on the tool. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.

14. Avoid unintentional starting. Prepare to begin work before turning on the tool.

15. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.

16. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Vibration Safety

This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:

1. Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant women or people who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's Disease should not use this tool. If you feel any medical or physical symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.

2. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.

3. Use tools with the lowest vibration when there is a choice between different processes.

4. Include vibration-free periods each day of work.

5. Grip workpiece as lightly as possible (while still keeping safe control of it). Let the tool do the work.

6. To reduce vibration, maintain the tool as explained in this manual. If any abnormal vibration occurs, stop use immediately.

SAVE THESE INSTRUCTIONS.

Specifications

Electrical Rating	120VAC / 60Hz / 2.8A
Blade Speed	2500 FPM
Throat Depth	9 in.
Blade Length	59-1/2 in.
Blade Width	1/8 - 3/8"
Blade Size (included)	1/4"

Setup - Before Use:

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn the Power Switch of the tool off and unplug the tool from its electrical outlet before performing any procedure in this section.

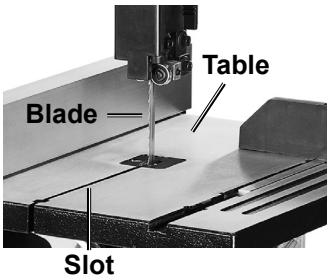
Note: For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

Assembly/Mounting

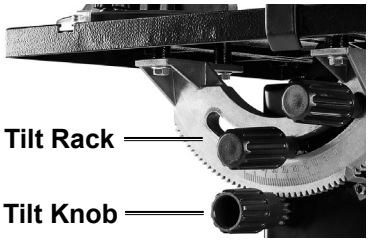
1. This tool must be mounted to a level, stable bench or table before use.
2. If the mounting surface does not have predrilled holes that match the four holes in the Base (47) of the Band Saw, four 3/8″ holes will have to be drilled.
3. **CAUTION! When drilling, check for electric wiring or cables that may be in the path of the hole(s) being drilled.**
4. Secure the Band Saw to the surface by using 3/8″ bolts, 3/8″ washers and 3/8″ hex-nuts (not included).

Assembly

1. Unpack the Table (122) and remove the protective cover.
2. Slide the slot in the Table around the Blade (9) and position the Table onto the frame of the Base.

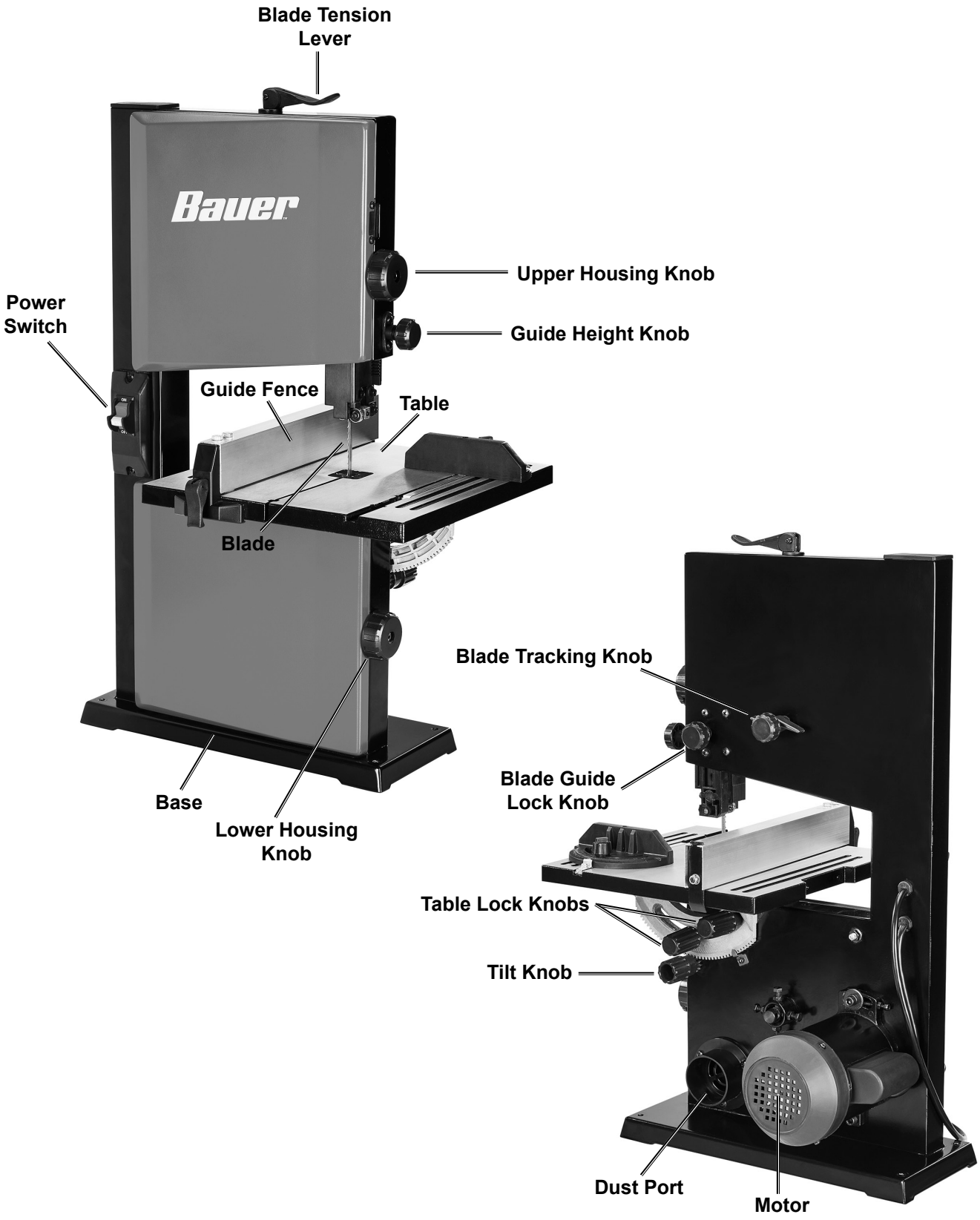


3. Pull out and release the Tilt Knob (89) to help align the Table.
4. Secure the Table by installing two Table Lock Knobs (97) and two Flat Washers (73) through the Tilt Rack (80). Leave the Lock Knobs slightly loose for now.



5. Use a square (sold separately) to set Table perpendicular (90° angle) to Blade and tighten the Tilt Lock to secure the Table in place.
6. Loosen the Tilt Indicator Screw (57) and turn the Tilt Indicator (82) around to face the scale.
7. Align the Tilt Indicator to 0° on the scale, and hold it still while tightening the Indicator Screw.
8. Insert Bolt (78) into end of table slot, and secure from below with Wing Nut (79), Spring Washer (3) and Flat Washer (73).

Functions


Blade Tension Lever
Upper Housing Knob
Power Switch
Guide Height Knob
Guide Fence
Table
Blade
Base
Lower Housing Knob
Blade Tracking Knob
Blade Guide Lock Knob
Table Lock Knobs
Tilt Knob
Dust Port
Motor

Read the ENTIRE IMPORTANT SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Tool Set Up

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn the Power Switch of the tool off and unplug the tool from its electrical outlet before performing any procedure in this section.

TO PREVENT SERIOUS INJURY:
DO NOT OPERATE WITH ANY GUARD DISABLED, DAMAGED, OR REMOVED.
Moving guards must move freely and close instantly.

Blade Selection

Band Saw blade selection depends on the type of material to be cut, the size of the workpiece and the type of cut desired:

1. The blade **width** is the distance from the tip of a tooth to the back of the blade. Wider blades are more rigid, wander less and provide a straighter cut. Narrower blades handle curved cuts better.
2. The blade **thickness** is the distance between the two sides of a blade. A thicker blade is more rigid and has stronger teeth. A narrow blade is used to make long, straight cuts with less waste.
3. The blade **pitch** describes the number of teeth per inch (TPI). The more TPI, the smoother (and usually slower) the cut. The type of material being cut determines the blade pitch. For soft materials the correct blade should have 6-8 TPI. If hard materials are being cut, use a blade with 8-12 TPI for best results.

Note: There must be at least 3 teeth in contact with the material[1] to prevent "blade shocking". This happens when the blade pitch is too large and a blade tooth contacts too much of the workpiece. This may strip teeth from the saw blade.

Note: The included blade is 1/4″ wide x 0.01″ thick x 6 TPI.

[1] TPI must be at least 3 divided by material thickness in inches to prevent blade shocking.

Blade Adjustment Controls

Tension Lever (120)

1. Raise Tension Lever (120) to initiate a tension release. With the Lever raised, rotate clockwise for more blade tension and counterclockwise for less blade tension. Push down Tension Lever to tension blade.
2. Wear heavy-duty work gloves, then open the Upper Wheel Cover (8) and press the Blade on the center of a span to check the tension. The Blade should deflect slightly with finger pressure when tensioned properly. Close the Upper Wheel Cover.

Tracking Knob (88)

1. Switch off the Band Saw, unplug it, and make sure that the Blade is properly tensioned. Open the Upper Wheel Cover.
2. Check tracking by rotating Upper Blade Wheel (13) by hand in a clockwise direction. View Blade through Tracking Window (6).
3. Proper tracking is achieved when Blade runs centered on the wheel. Minor adjustments can be made using Tracking Knob (88).
4. As the Upper Blade Wheel rotates, if the Blade moves away from the Tracking Knob, turn the Tracking Knob slightly clockwise. If it moves toward the Knob, turn the Tracking Knob slightly counterclockwise.
5. Close the Upper Wheel Cover.

Blade Guide Alignment

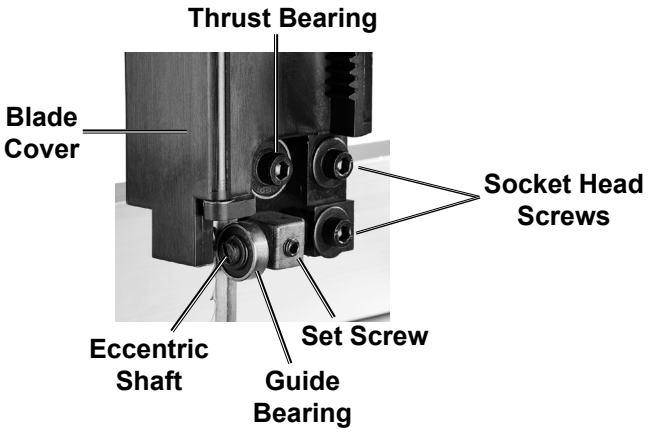
1. The Blade Guide Assemblies support the Blade at the rear and sides. They feature Guide Bearings, which are located on both sides of saw blade and provide a stable position for the blade when saw is being used. The distance from guide bearings to blade can be adjusted for optimal performance. The guide bearings should not touch the blade when a workpiece is not in contact with the blade.

   Thrust bearings are located behind saw blade and provide support to back of blade when saw is in operation.

Note: Adjust guide bearings only after the Blade has been properly tensioned, and is tracking correctly.

2. Disconnect saw from its power source.

3. Adjust the Upper Blade Guides (110) by loosening the lower Socket Head Screw (41) and sliding the entire guide bracket until front of bearings are positioned just behind the blade gullets.



4. Retighten lower Socket Head Screw.
5. Loosen set screw.
6. Use flat blade screwdriver (not provided) to turn Eccentric Shaft until guide bearing is almost touching saw blade.
7. Tighten set screw.
8. Repeat for opposite guide bearing.
9. Adjust Thrust Bearing (38) by loosening upper Socket Head Screw and shifting bearing forward until it almost touches back edge of blade.
10. Retighten upper Socket Head Screw.
11. Repeat Steps 3-10 for lower Blade Guide Assembly.

Workpiece and Work Area Set Up

1. Designate a work area that is clean and well-lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. Route the power cord along a safe route to reach the work area without creating a tripping hazard or exposing the power cord to possible damage. The power cord must reach the work area with enough extra length to allow free movement while working.
3. Secure loose workpieces using a vise or clamps (not included) to prevent movement while working.
4. There must not be objects, such as utility lines, nearby that will present a hazard while working.
5. Long workpieces that extend beyond the table should be properly supported.

General Operating Instructions

⚠WARNING **TO PREVENT SERIOUS INJURY FROM ENTANGLEMENT:**
Keep hands clear of Blade at all times and do not wear gloves when sawing.

Note: The blade is not tensioned during shipment to prevent damage. It must be properly tensioned and tracked before use. See Blade Adjustment Controls on page 8.

1. **Types of cut**
   a. **Standard cuts** are at 90° angle to the Table. Use a push stick to guide the workpiece through the Saw Blade.
   b. **Contour cuts** are accomplished by guiding the workpiece free-handed for curve shapes. When using this guiding method, use both hands to follow the desired path and keep the workpiece flat against the Table. Stand in front of the Table and use both hands over the part of the Table to the right of the Blade.
   c. **Bevel cuts** are when the saw Table is tilted and proper work guide methods are used. Unlock the Table by loosening the Lock Knobs (97). Tilt Table to correct angle using the Tilt Knob (89). When correct angle is achieved, tighten the Lock Knobs.
2. Adjust the height of the Upper Blade Guide (110) to barely clear the workpiece. Loosen the Guide Lock Knob (96). Turn the Guide Height Knob to adjust the Guide height. Tighten Guide Lock Knob after adjusting.
3. This Band Saw is designed for cutting hard and soft woods and most plastics. It is equipped with a Miter Gauge Scale (74) used to secure the workpiece at a desired angle to produce angle cuts. Use the built-in Scale to adjust the Miter Gauge to the required angle.
4. The Miter Gauge (74) is used to secure the workpiece when crosscutting, or to make angle cuts. Use the built-in Scale to adjust the Miter Gauge to the required angle. Tighten knob before using. Use one hand to securely hold workpiece to Miter Gauge, while using other hand to push Miter Gauge past blade.
5. The Fence (101) is used for rip cutting - making a lengthwise cut through the workpiece. Release Clamp (104) and place Fence on table to left of blade. Align cut mark on workpiece with blade, and slide Fence up against workpiece. Push down Clamp to secure Fence. Push workpiece against Fence while sliding it through blade.

Warning! To prevent serious injury: Do not use Miter Gauge and Fence at the same time, or binding may occur.

6. Turn on Band Saw using Switch and allow it to reach full speed before beginning to saw.
7. Use two hands and hold workpiece securely against table at all times.
8. Use push-sticks, or blocks (when required) to move workpiece through the Blade. Use a smooth, steady action to feed work through the blade.
9. Make sure the workpiece feeds against the toothed side of the Blade.
10. To prevent accidents, turn off the tool and disconnect its power supply after use. Clean, then store the tool indoors out of children's reach.

Procedures not specifically explained in this manual must be performed only by a qualified technician.

⚠WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:
Turn the Power Switch of the tool off and unplug the tool from its electrical outlet before performing any procedure in this section.

TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:
Do not use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

Cleaning, Maintenance, and Lubrication

1. **BEFORE EACH USE,** inspect the general condition of the tool. Check for:
   - loose hardware,
   - misalignment or binding of moving parts,
   - cracked or broken parts,
   - damaged electrical wiring, and
   - any other condition that may affect its safe operation.
2. Do not allow saw dust to accumulate on or in Band Saw.
3. Keep the Wheels clean. Debris on Wheels will cause poor tracking and possible Blade slippage.
4. Keep mechanisms and sliding surfaces clean and free of debris.
5. Shielded Ball Bearings do not need lubrication. Small amounts of lightweight machine oil can be applied to belt tension mechanisms and sliding surfaces.
6. Paste wax can be applied occasionally to Table Top (8) to keep it slick and corrosion free.
7. **AFTER USE,** wipe external surfaces of the tool with clean cloth.
8. If storing for a long period, release tension on the Blade by raising the Blade Tension Lever. The blade's tension and tracking will need to be adjusted after thus storing.
9. Periodically, wear ANSI-approved safety goggles and NIOSH-approved breathing protection and blow dust out of the motor vents using dry compressed air.
10. Clear all saw dust from Dust Tube (69) at base of Band Saw. Do not let dust accumulate. Use a shop vacuum (not provided) attached as a dust collector when possible, and attach it to the Dust Tube (69). Occasionally, vacuum out entire Band Saw.
11. **⚠CAUTION! If power tool is damaged, it must be replaced only by a qualified service technician.**
12. Remove Safety Key from power switch and store in a safe place, when saw is not in use. Key must be inserted for saw operation.

Replacing/Installing Band Saw Blade

1. Turn the Power Switch (42) to its OFF position and unplug the Power Cord (50).
2. Wear ANSI-approved safety goggles and heavy-duty work gloves while handling the Blade.
3. Unlatch and open Upper Wheel Cover (8) and Lower Wheel Cover (1), exposing the Saw Blade and the Upper and Lower Wheels (9,13).
4. Raise Tension Lever, remove Bolt from table slot, and remove old blade.
5. Hold open the Blade Guide Cover (34) while installing the saw blade. Point the blade's teeth down towards Table, as shown on the label on the Blade Guide Cover. Turn the new blade inside out if necessary.
6. Slide new blade through slot and Table Insert, and over Upper and Lower Wheels (13). Slide new blade between upper and lower Blade Guide Bearings.
7. Close Upper and Lower Wheel Covers and fasten latches. Make sure that both doors and frames are fitted together before attempting to secure. This is necessary for proper operation of dust collection system.
8. Adjust tension and track Saw Blade as described in Blade Adjustment Controls on page 8.

Troubleshooting

Problem	Possible Causes	Likely Solutions
Tool will not start.	1. Cord not connected. 2. No power at outlet. 3. Tool's thermal reset breaker tripped (if equipped). 4. Internal damage or wear. (Carbon brushes or switch, for example.)	1. Check that cord is plugged in. 2. Check power at outlet. If outlet is unpowered, turn off tool and check circuit breaker. If breaker is tripped, make sure circuit is right capacity for tool and circuit has no other loads. 3. Turn off tool and allow to cool. Press reset button on tool. 4. Have technician service tool.
Tool operates slowly.	Extension cord too long or wire size too small.	Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See **Table A** on page 3.
Performance decreases over time.	1. Accessory dull or damaged. 2. Carbon brushes worn or damaged.	1. Keep cutting accessories sharp. Replace as needed. 2. Have qualified technician replace brushes.
Excessive noise or rattling.	Internal damage or wear. (Carbon brushes or bearings, for example.)	Have technician service tool.
Overheating.	1. Forcing machine to work too fast. 2. Accessory dull or damaged. 3. Blocked motor housing vents. 4. Motor being strained by long or small diameter extension cord.	1. Allow machine to work at its own rate. 2. Keep cutting accessories sharp. Replace as needed. 3. Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air. 4. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See **Table A** on page 3.



Follow all safety precautions whenever diagnosing or servicing the tool.
Disconnect power supply before service.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

Record Product's Serial Number Here:_____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts. Specify UPC 193175502704 when ordering parts.

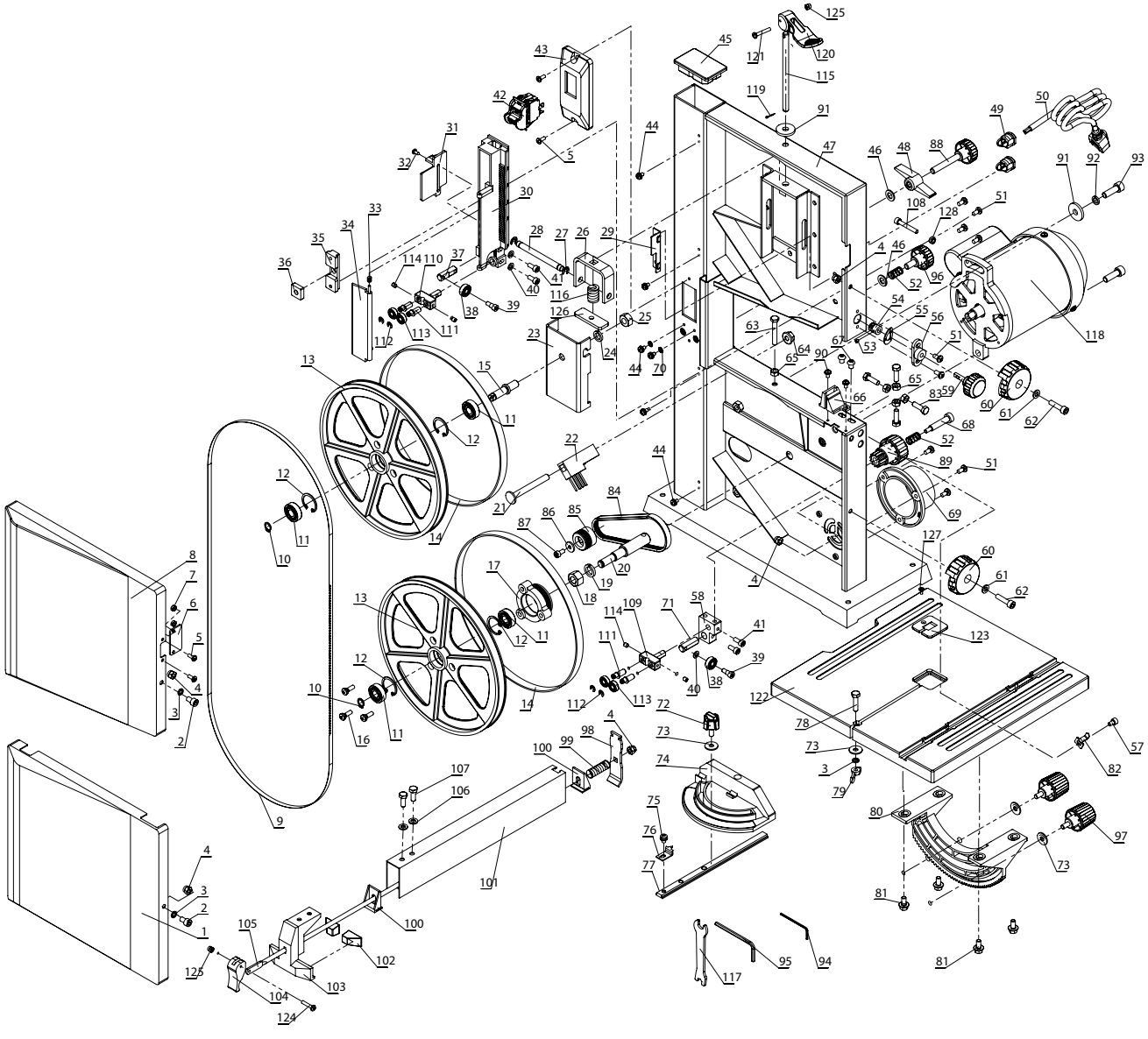
Parts List

Part	Description	Qty
1	Lower Wheel Cover	1
2	Hex Socket Screw	2
3	Spring Washer	3
4	Non-Metallic Insert Nut	5
5	Phillips Screw	4
6	Tracking Window	1
7	Nut,Type I	2
8	Upper Wheel Cover	1
9	Blade	1
10	Clip For Shaft	2
11	Bearing	4
12	Hole Circlip	4
13	Wheel	2
14	Rubber Tire	2
15	Upper Wheel Shaft	1
16	Phillips Screw Assy	3
17	Idler Pulley	1
18	Nut	1
19	Spring Washer	1
20	Lower Wheel Shaft	1
21	Dome Screw	1
22	Brush	1
23	Upper Wheel Base	1
24	Spring Washer	1
25	Nut,Type I	1
26	U Bracket	1
27	Split Washer	2
28	Coupling Shaft	1
29	Blade Guide	1
30	Upper Guide Slider	1
31	Slide Plate	1
32	Phillips Tapping Screw	1
33	Cover Spring	1
34	Blade Cover	1
35	Guide Base	1
36	Lock Pad	1
37	Upper Bearing Post	1
38	Ball Bearing	2
39	Pin	2
40	Flat Washer	3
41	Hex Socket Cap Screw	4
42	Power Switch	1
43	Switch Plate	1

Part	Description	Qty
44	Phillips Screw Assy	6
45	End Cap	1
46	Flat Washer	2
47	Frame	1
48	Tracking Lock Lever	1
49	Cord Clip	2
50	Power Cord	1
51	Phillips Screw	9
52	Lock Spring	2
53	Hex Socket Set Screw	1
54	Guide Adjusting Gear	1
55	Wave Washer	1
56	Adjustment Knob Base	1
57	Tilt Indicator Screw	1
58	Lower Guide Block	1
59	Guide Height Knob	1
60	Housing Knob	2
61	Flat Washer	2
62	Hex Socket Cap Screw	2
63	Hex Bolt	1
64	Nut With Flange	1
65	Nut,Type I	5
66	Blade Guard	1
67	Round Head Screw	2
68	Knob Axle	1
69	Dust Port	1
70	Star Washer	2
71	Lower Bearing Post	1
72	Miter Gauge Knob	1
73	Flat Washer	4
74	Miter Gauge	1
75	Phillips Screw Assy	1
76	Miter Pointer	1
77	Slide Bar	1
78	Hex Bolt	1
79	Wing Nut	1
80	Tilt Rack	1
81	Flanged Hex Bolt	4
82	Tilt Indicator	1
83	Hex Bolt	4
84	Belt	1
85	Motor Pulley	1
86	Large Washer	1

Part	Description	Qty
87	Hex Socket Cap Screw	1
88	Blade Tracking Knob	1
89	Tilt Knob	1
90	Phillips Screw Assy	2
91	Large Flat Washer	2
92	Spring Washer	1
93	Hex Socket Screw	2
94	Hex Wrench	1
95	Combination Wrench	1
96	Guide Lock Knob	1
97	Table Lock Knob	2
98	Fence Fixed Plate	1
99	Fence Lock Spring	1
100	Fence Pad	2
101	Fence	1
102	Fence Lock Pad	2
103	Fence Bracket	1
104	Fence Clamp	1
105	Clamp Rod	1
106	Flat Washer	2
107	Hex Bolt	2
108	Hex Socket Screw	1
109	Lower Blade Guide	1
110	Upper Blade Guide	1
111	Eccentric Shaft	4
112	Split Washer	4
113	Ball Bearing	4
114	Set Screw	4
115	Tension Rod	1
116	Tension Spring	1
117	Wrench	1
118	Motor	1
119	Cotter Pin	1
120	Blade Tension Lever	1
121	Phillips Screw	1
122	Work Table	1
123	Table Insert	1
124	Phillips Screw	1
125	Hex Lock Nut Insert	2
126	Tension Pad	1
127	Phillips Sunk Screw	1
128	Nut,Type I	1

Assembly Diagram



Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We 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 product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

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

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