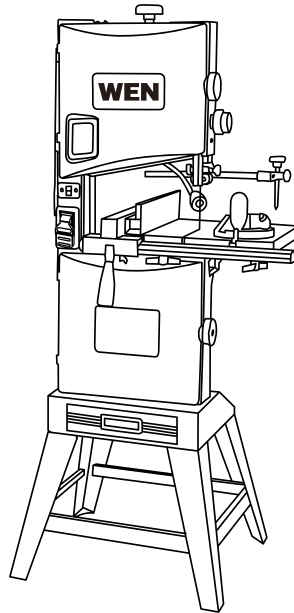




# 14-INCH BANDSAW WITH STAND



Model # 3966  
[bit.ly/wenvideo](http://bit.ly/wenvideo)


## IMPORTANT:

Your new tool has been engineered and manufactured to WEN's highest standards for dependability, ease of operation, and operator safety. When properly cared for, this product will supply you years of rugged, trouble-free performance. Pay close attention to the rules for safe operation, warnings, and cautions. If you use your tool properly and for intended purpose, you will enjoy years of safe, reliable service.



## NEED HELP? CONTACT US!

Have product questions? Need technical support?  
Please feel free to contact us at:

 **800-232-1195** (M-F 8AM-5PM CST)

 [techsupport@wenproducts.com](mailto:techsupport@wenproducts.com)

 [WENPRODUCTS.COM](http://WENPRODUCTS.COM)

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## TECHNICAL DATA

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Model Number:	3966
Motor:	120 V, 60 Hz, 1100W, 9.5A
Throat:	13-3/8 inches
Cutting Depth:	8.85 inches
Speeds:	1480/3280 FPM
Table Angle:	0 to 45 degrees
Working Table:	21.45 x 15.75 inches
Blade Length:	100-3/4 inches
Blade Width:	1/8 to 1 inches
Weight:	171.6 lbs

## GENERAL SAFETY RULES

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Safety is a combination of common sense, staying alert and knowing how your item works. **SAVE THESE SAFETY INSTRUCTIONS.**



**WARNING:** To avoid mistakes and serious injury, do not plug in your tool until the following steps have been read and understood.

1. **READ** and become familiar with this entire instruction manual. **LEARN** the tool's applications, limitations, and possible hazards.
2. **AVOID DANGEROUS CONDITIONS.** Do not use power tools in wet or damp areas or expose them to rain. Keep work areas well lit.
3. **DO NOT** use power tools in the presence of flammable liquids or gases.
4. **ALWAYS** keep your work area clean, uncluttered, and well lit. **DO NOT** work on floor surfaces that are slippery with sawdust or wax.
5. **KEEP BYSTANDERS AT A SAFE DISTANCE** from the work area, especially when the tool is operating. **NEVER** allow children or pets near the tool.
6. **DO NOT FORCE THE TOOL** to do a job for which it was not designed.
7. **DRESS FOR SAFETY.** Do not wear loose clothing, gloves, neckties, or jewelry (rings, watches, etc.) when operating the tool. Inappropriate clothing and items can get caught in moving parts and draw you in. **ALWAYS** wear non-slip footwear and tie back long hair.
8. **WEAR A FACE MASK OR DUST MASK** to fight the dust produced by sawing operations.



**WARNING:** Dust generated from certain materials can be hazardous to your health. Always operate the tool in a well-ventilated area and provide for proper dust removal. Use dust collection systems whenever possible.

9. **ALWAYS** remove the power cord plug from the electrical outlet when making adjustments, changing parts, cleaning, or working on the tool.
10. **KEEP GUARDS IN PLACE AND IN WORKING ORDER.**
11. **AVOID ACCIDENTAL START-UPS.** Make sure the power switch is in the OFF position before plugging in the power cord.
12. **REMOVE ADJUSTMENT TOOLS.** Always make sure all adjustment tools are removed from the saw before turning it on.
13. **NEVER LEAVE A RUNNING TOOL UNATTENDED.** Turn the power switch to OFF. Do not leave the tool until it has come to a complete stop.
14. **NEVER STAND ON A TOOL.** Serious injury could result if the tool tips or is accidentally hit. **DO NOT** store anything above or near the tool.

## GENERAL SAFETY RULES

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15. **DO NOT OVERREACH.** Keep proper footing and balance at all times. Wear oil-resistant rubber-soled footwear. Keep the floor clear of oil, scrap, and other debris.
16. **MAINTAIN TOOLS PROPERLY.** ALWAYS keep tools clean and in good working order. Follow instructions for lubricating and changing accessories.
17. **CHECK FOR DAMAGED PARTS.** Check for alignment of moving parts, jamming, breakage, improper mounting, or any other conditions that may affect the tool's operation. Any part that is damaged should be properly repaired or replaced before use.
18. **MAKE THE WORKSHOP CHILDPROOF.** Use padlocks and master switches and ALWAYS remove starter keys.
19. **DO NOT** operate the tool if you are under the influence of drugs, alcohol, or medication that may affect your ability to properly use the tool.
20. **USE SAFETY GOGGLES AT ALL TIMES** that comply with ANSI Z87.1. Normal safety glasses only have impact resistant lenses and are not designed for safety. Wear a face or dust mask when working in a dusty environment. Use ear protection such as plugs or muffs during extended periods of operation.

## SPECIFIC RULES FOR BAND SAW

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1. To avoid injury from unexpected movement, make sure the saw is on a firm, level surface, properly secured to prevent rocking. Make sure there is adequate space for operations. Bolt the saw to a support surface to prevent slipping or sliding during operation.
2. Turn off and unplug the saw before moving it.
3. Use the correct size and style of blade.
4. Make sure the blade teeth point down and toward the table.
5. Blade guide, supports, bearings, and blade tension must be properly adjusted to avoid accidental blade contact and to minimize blade breakage. To maximize blade support, always adjust the upper blade guide and blade guard so that it barely clears the workpiece.
6. Table TILT lock handle should be tight.
7. Use extra caution with very large, very small, or awkwardly-shaped workpieces.
8. Use extra supports to prevent workpieces from sliding off the tabletop.
9. Workpieces should be secured so they don't twist, rock, or slip while being cut.
10. Plan intricate or small work carefully to avoid pinching the blade. Avoid awkward operations and hand positions to prevent accidental contact with the blade.

## SPECIFIC RULES FOR BAND SAW

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11. Small pieces should be secured with clamps or fixtures. Do not hold small pieces with your hand because your fingers might go under the blade guard.
12. Support round work properly (use a V block or press it against the miter gauge) to prevent it from rolling and the blade from biting.
13. Cut only one workpiece at a time. Make sure the table is clear of everything except the workpiece and its guides before you turn the saw on.
14. Always **WATCH** the saw run before each use. If there is excessive vibration or unusual noise, stop immediately. Turn the saw off. Unplug it immediately. Do not start the saw again until the problem has been located and corrected.
15. To free any jammed material, turn the switch off. Remove the switch key and unplug the saw. Wait for all moving parts to stop before removing the jammed material.
16. Don't leave the work area until all moving parts have stopped. Shut off the power to master switches. Remove the switch key from the band saw and store it in a safe place, away from children. Childproof the workshop!

## ELECTRICAL INFORMATION

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### GROUNDING INSTRUCTIONS

**IN THE EVENT OF A MALFUNCTION OR BREAKDOWN**, grounding provides the path of least resistance for an electric current and reduces the risk of electric shock. This tool is equipped with an electric cord that has 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 licensed electrician.

**IMPROPER CONNECTION** of the equipment grounding conductor can result in electric shock. The conductor with the green insulation (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.

**CHECK** with a licensed electrician or service personnel if you do not completely understand the grounding instructions or whether the tool is properly grounded.

**USE ONLY THREE-WIRE EXTENSION CORDS** that have three-pronged plugs and outlets that accept the tool's plug as shown in Fig. A. Repair or replace a damaged or worn cord immediately.

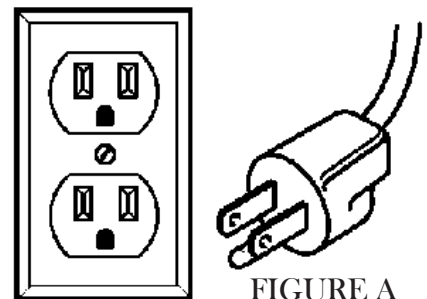


FIGURE A

**CAUTION:** In all cases, make certain the outlet in question is properly grounded. If you are not sure, have a licensed electrician check the outlet.

## ELECTRICAL INFORMATION

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**WARNING:** This tool is for indoor use only. Do not expose to rain or use in damp locations.  
Guidelines for using 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 product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The table below shows the correct size to be used according to cord length and nameplate ampere rating. When in doubt, use a heavier cord. The smaller the gauge number, the heavier the cord.

AMPERAGE	REQUIRED GAUGE FOR EXTENSION CORDS			
	25 ft.	50 ft.	100 ft.	150 ft.
9.5 A	14 gauge	12 gauge	Not Recommended	Not Recommended

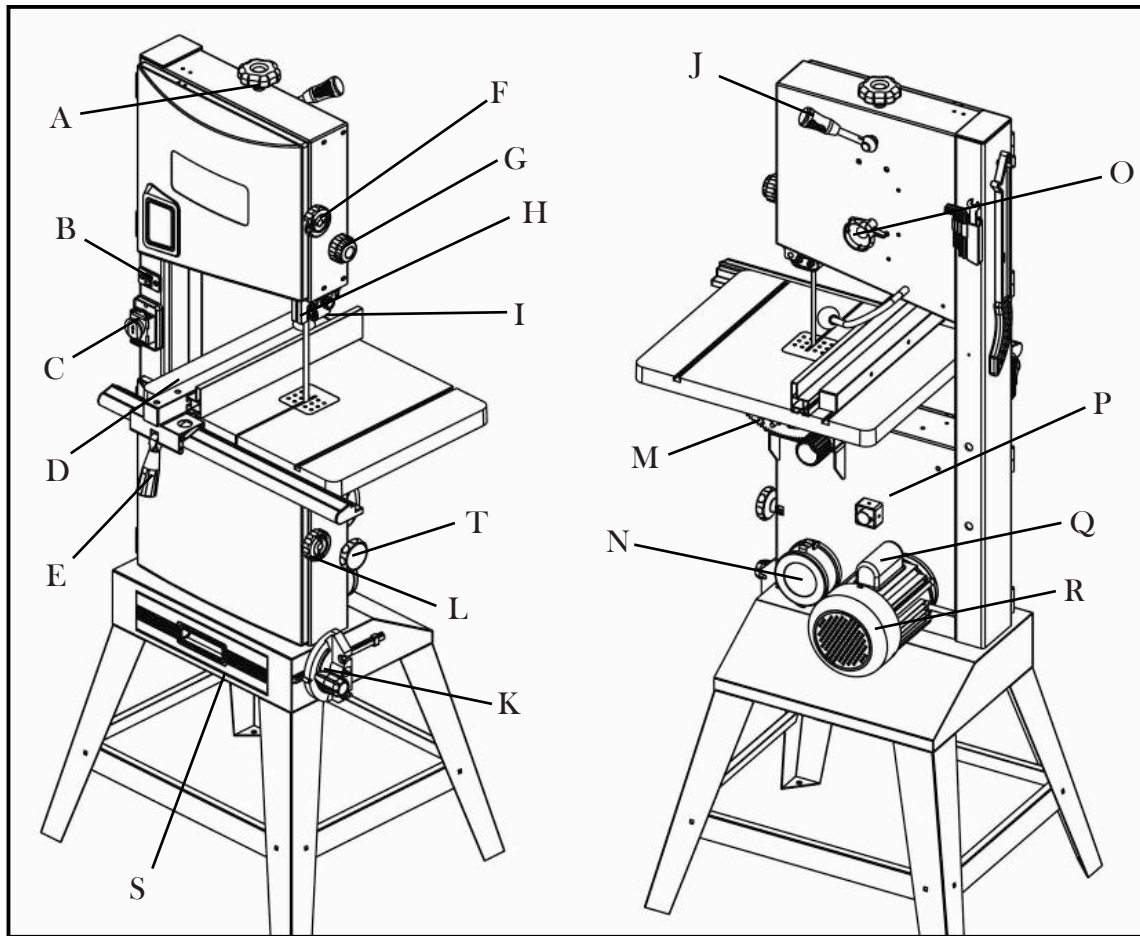
Make sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it.

Protect your extension cords from sharp objects, excessive heat and damp/wet areas.

Use a separate electrical circuit for your tools. This circuit must not be less than a #12 wire and should be protected with a 15 A time-delayed fuse. Before connecting the motor to the power line, make sure the switch is in the OFF position and the electric current is rated the same as the current stamped on the motor nameplate. Running at a lower voltage will damage the motor.

**WARNING:** This tool must be grounded while in use to protect the operator from electric shock.

# KNOW YOUR BAND SAW



- |   |                                 |   |                                   |
|---|---------------------------------|---|-----------------------------------|
| A | Tension Knob                    | L | Lower Housing Knob                |
| B | Light ON/OFF Switch             | M | Table Bevel Lock                  |
| C | Machine ON/OFF Switch           | N | Dust Port                         |
| D | Locking Fence                   | O | Blade Tracking Adjusting Knob     |
| E | Fence Lock                      | P | Lower Spindle Tracking Adjustment |
| F | Upper Housing Knob              | Q | Capacitor Box                     |
| G | Blade Guard Adjustment Knob     | R | Motor                             |
| H | Blade Guard                     | S | Dust Collection Drawer            |
| I | Blade Bearings Adjustment Knobs | T | Belt Tension Adjustment Knob      |
| J | Tension Release Lever           |   |                                   |
| K | Miter Gauge                     |   |                                   |



**WARNING:** For your own safety, read the instruction manual before operating the band saw.

1. Wear eye protection.
2. Do not wear gloves, a necktie, jewelry, or loose clothing.
3. Make sure the saw is on a firm, level surface and properly secured.
4. Use only the recommended accessories.
5. Use extra caution with very large, very small, or awkward workpieces.
6. Keep hands away from blade at all times to prevent accidental injury.



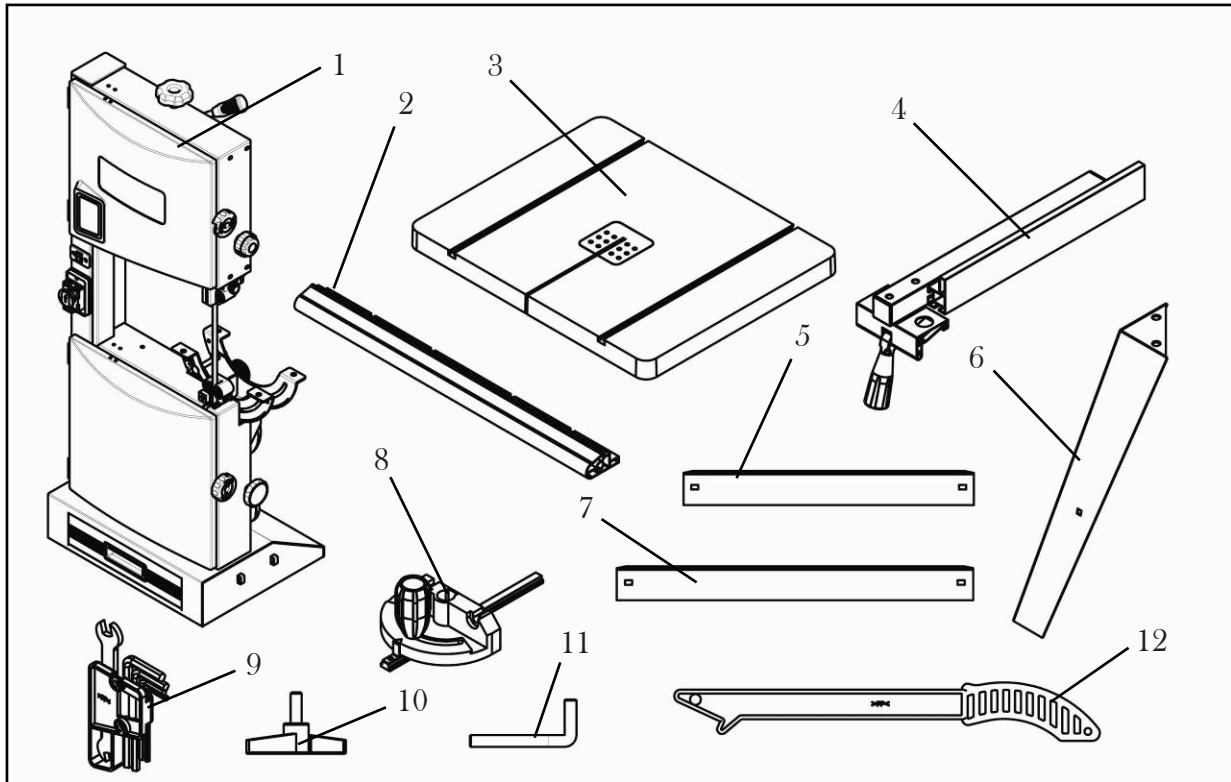
# ASSEMBLY

## UNPACKING

Carefully unpack the band saw and all its parts, and compare against the list below. Do not discard the carton or any packaging until the band saw is completely assembled.



**WARNING:** If any part is missing or damaged, do not plug in the band saw until the missing or damaged part is replaced.



1. Band Saw (1)

2. Guide Rail (1)

3. Table with Insert (1)

4. Rip fence (1)

5. Short Brace (2)

6. Leg (4)

7. Long Brace (2)

8. Miter Gauge (1)

9. Accessory Tools (1)

10. Knob (4)

11. Hook with Hex Nut (1)

12. Push Stick (1)

13. Sliding Bracket

14. Center Pin

13. Lock Knob A

14. Lock Knob B

Hardware Bag (Not Shown):

15. M8X12 Socket Head Bolts (8)

16. 8mm Flat Washers (12)

17. M6X12 Carriage Bolts (8)

18. 6mm Flat Washers (8)

19. M6 Hex Nut (8)

20. M4X10 Socket Head Bolts (2)

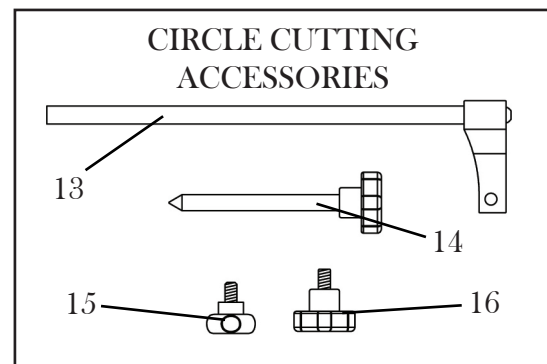
## Tools Required for Assembly & Adjustments

The tools listed below are not included but are required for either assembly or adjustment.

Two 13mm Open End Wrenches

One Cross Point Screw Driver

One Combination Square





# ASSEMBLY



**WARNING:** Unplug the machine from the power source before assembling or making adjustments. Failure to comply may cause serious injury. Assembly requires at least two people to safely move around the bandsaw.

## TO ASSEMBLE THE STAND

1. Carefully place the band saw on its back as shown above (Fig. A), either on the floor or on a workbench. Prop the bottom of the band saw up on a wooden block in order to have space to assembly the band saw's stand.
2. Attach legs to saw body using M8x12 socket head bolts and 8mm flat washers (Fig B).
3. Fix the short braces and the long braces by using M6x12 carriage bolts, 6mm flat washers and M6 hex nuts. **DO NOT TIGHTEN THE NUTS** (Fig C).
4. Place the band saw upright and tighten all nuts. Make sure there is no wobbling or tilting in the stand after fully tightening the nuts.

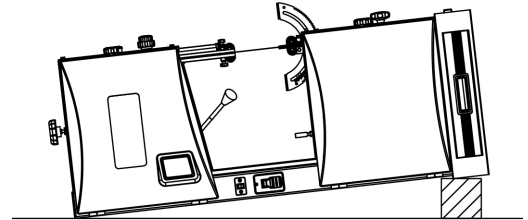


Fig. A

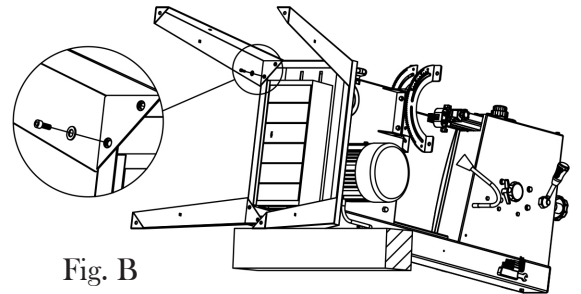


Fig. B

## TO ASSEMBLE THE TABLE

1. After attaching the stand, assemble the table to the bandsaw by using M8x10 socket head bolts and 8mm flat washers (Fig D).
2. Make sure the saw blade is in the center of the table insert slot.
3. Install the guide rail, securing it with the four knobs to the table (Fig. E).

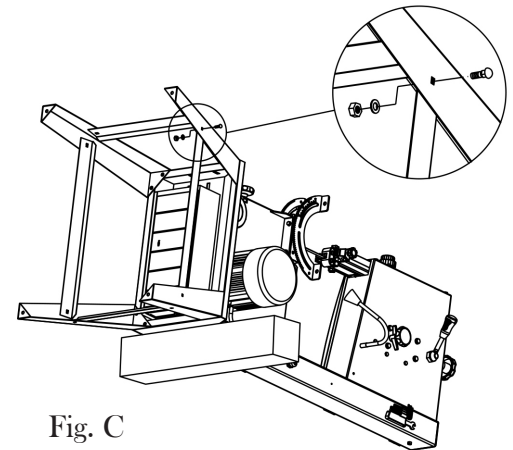


Fig. C

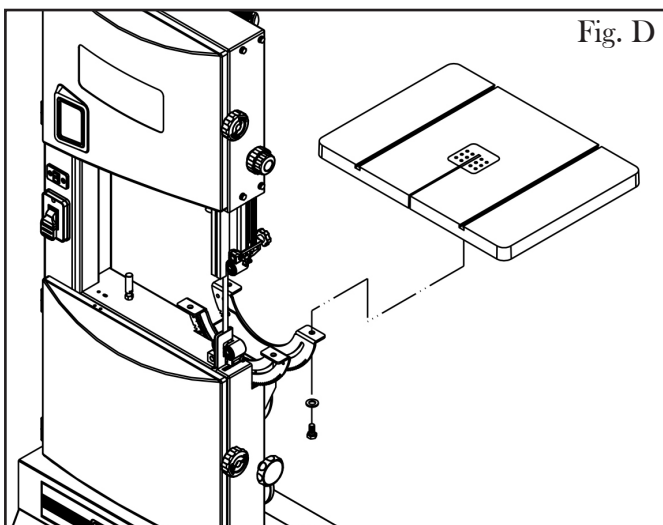


Fig. D

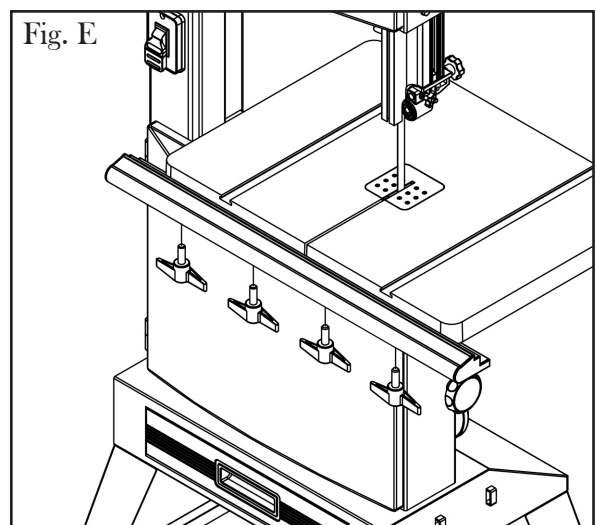
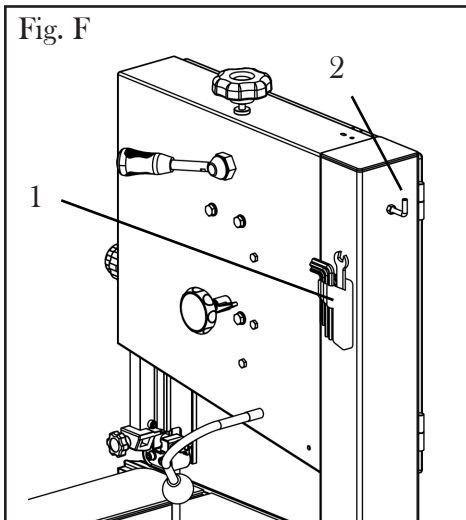


Fig. E

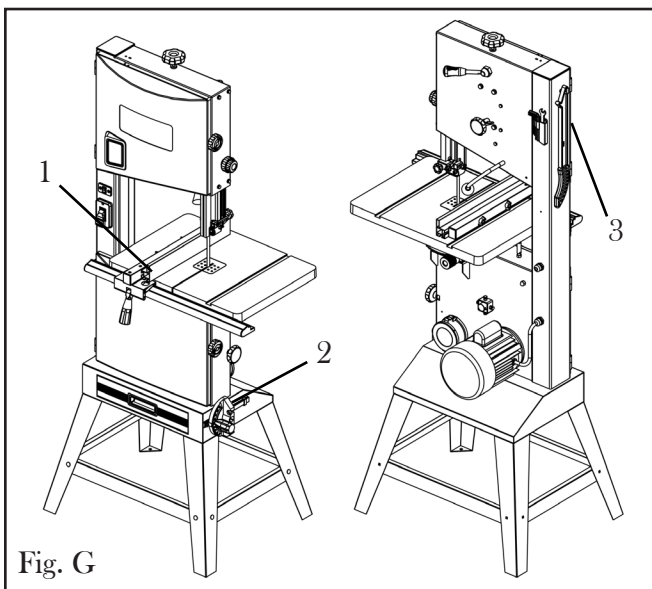
# ASSEMBLY



## INSTALLING THE ACCESSORY TOOLS

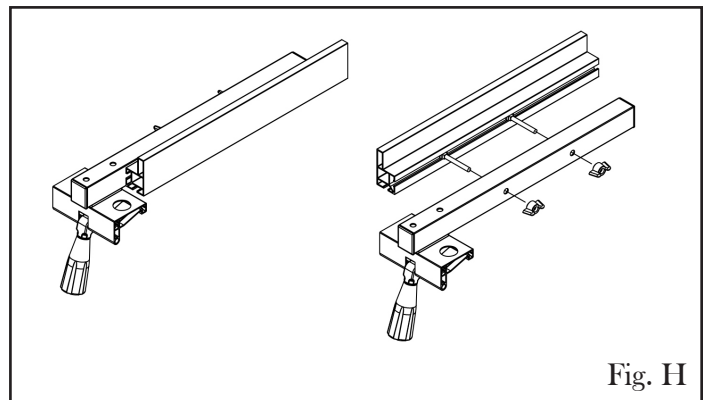
1. Install the accessory tools assembly to the frame by using M4x10 socket head bolts (Fig. F - 1).
2. Secure the hook with a hex nut to the frame (Fig. F - 2).
3. Set the rip fence onto the table. Lock it in place with the Fence Lock (Fig. G - 1).

**NOTE:** To reverse the rip fence, remove the fence from the rip fence by loosening the four bolts holding it to the rip fence, reversing the fence, and reattaching the bolts. (Fig. H)



4. Set the miter gauge into the onboard storage along the base of the bandsaw (Fig. G - 2).

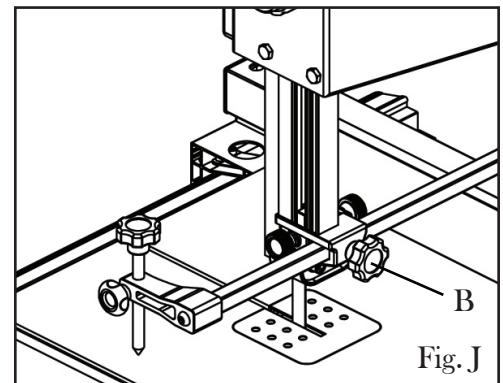
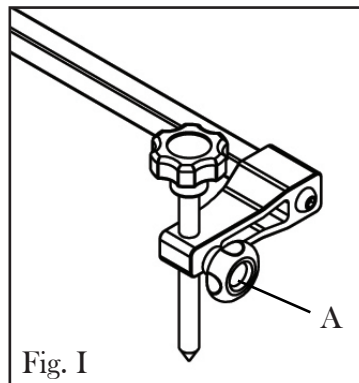
5. Set the push stick on the hook (Fig. G - 3, Fig. F - B).



## INSTALLING THE CIRCLE CUTTING GUIDE

1. Insert the center pin into the hole of the sliding bracket. Fix it with Lock Knob A. This center pin will serve as the pivot point for making circular cuts (Fig. I).

2. Fix the sliding bar into the bearing bracket of the upper guard assembly. Slide it into the desired position and secure it with tightening Lock Knob B.



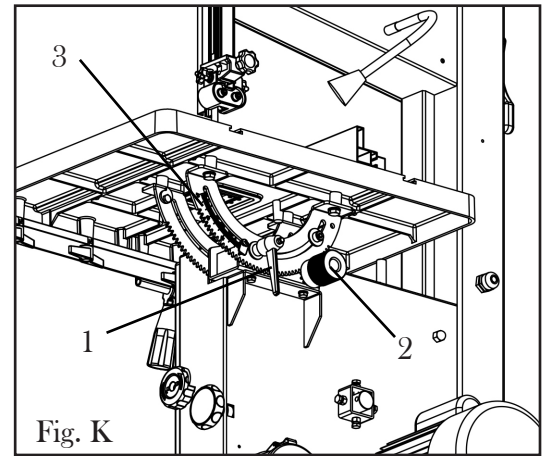
# ADJUSTMENTS



**WARNING:** Always be sure that the tool is switched off and unplugged before making any adjustments.

## TILTING THE TABLE

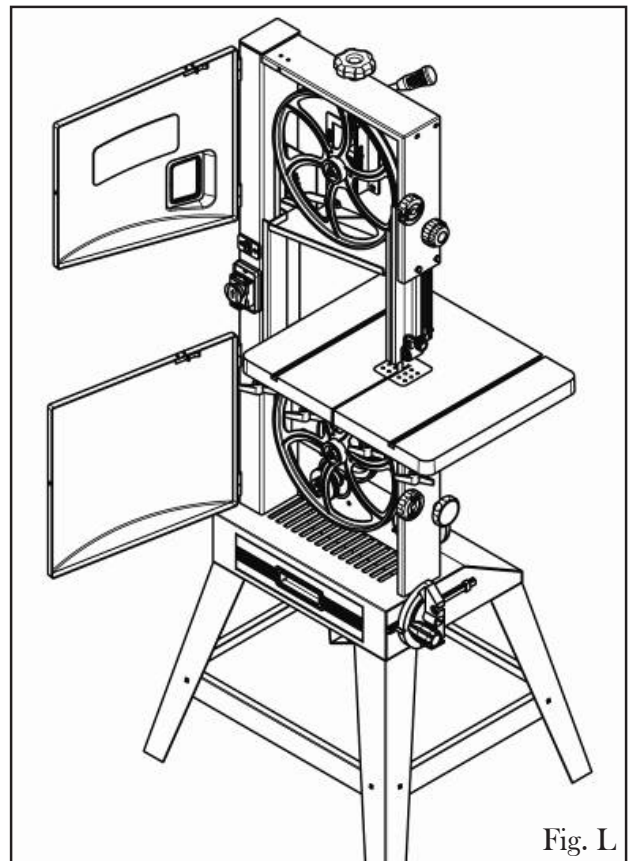
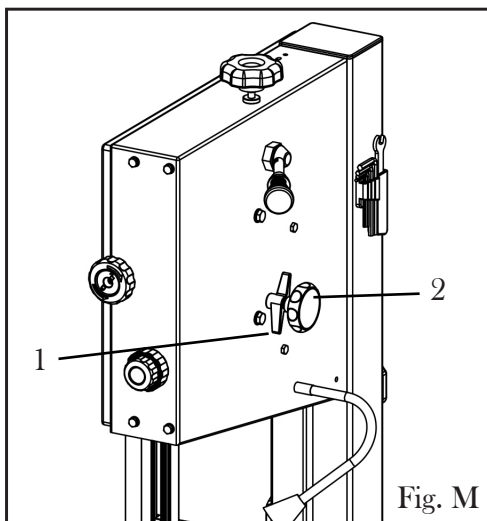
1. Find and loosen the table bevel lock located in back under the saw table (Fig. G - 1).
2. Adjust the table to the desired angle using the table tilting knob (Fig. G - 2) and the angle indicator (Fig. G - 3).
3. Use the angle indicator to confirm the desired angle and tighten the lock handle (NOTE: a table perpendicular (90°) to the blade corresponds to a scale indication of 0°).



## ADJUSTING THE SAW BLADE

If the blade does not run in the middle of the rubber tire band, the tracking needs to be corrected by adjusting the tilt of the upper band saw wheel.

1. Turn off the bandsaw and unplug it from the power supply. Open both the upper and lower wheel covers once the blade has stopped moving (Fig. L).
2. Loosen the tracking lock knob (Fig. M - 1) and manually rotate the upper wheel, making sure not to touch the blade. Watch to see which direction the blade tends to veer off towards in order to best adjust the tracking set knob to resolve the problem.
3. Turn tracking set knob (Fig. M - 1) in the desired direction until the blade is centered over the upper and lower wheels. Spin the wheel manually to ensure that the blade is now running in the center.
4. Tighten the tracking lock knob and close the covers (Fig. M - 1).



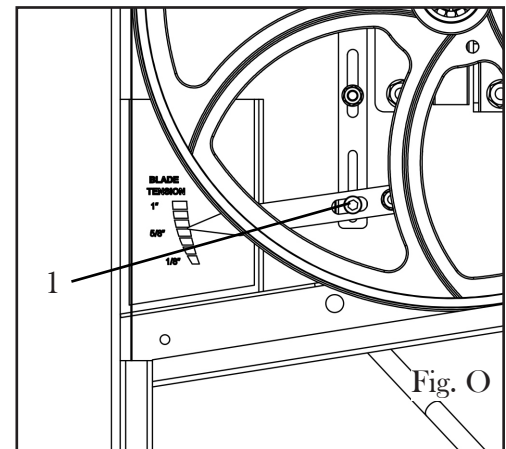
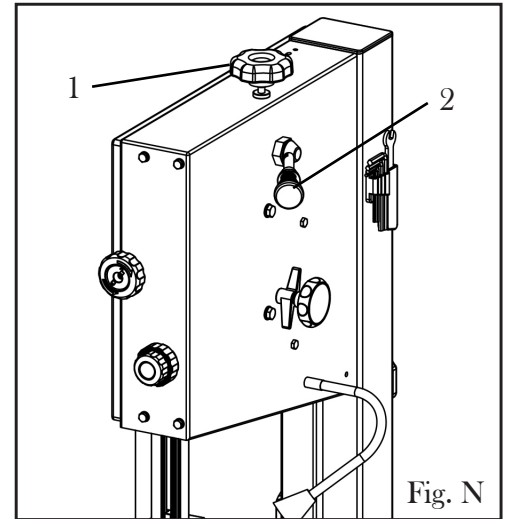
# ADJUSTMENTS

## ADJUSTING BLADE TENSION



**WARNING:** If the tension in the blade is too high, it runs the risk of breaking. If the tension is too low, there is a risk of the blade slipping and stopping during a cut.

1. Raise the upper blade guide fully using the saw blade tension knob located on the top of the machine (Fig. N - 1). Take the blade width into consideration during the adjustment.
2. Check the tension by pushing with a finger against the side of the blade halfway between the table and the upper guide. The blade should not flex more than 2 mm.
3. Check the adjustment using the blade tension indicator on the inside of the upper housing. The scale indicates the correct adjustment for a certain width of blade. The indicator should be pointing towards the width of blade being used.
4. Turning the setting knob clockwise increases the blade tension while turning the setting knob counterclockwise decreases tension.
5. After achieving the desired tension, the tension release lever can be used to easily loosen and tighten the spindles without changing the amount of tension (Fig. N - 2).



## ADJUSTING THE BLADE TENSION INDICATOR (Fig. O)

The blade tension indicator can be adjusted for blades known to be cut over or under length by different manufacturers. With moderate tension on the blade, loosen the set screw (Fig. O - 1) and adjust the blade indicator up or down as needed. Retighten the set screw.

## UPPER BLADE GUIDE ADJUSTMENT

The height of the upper blade guard should be adjusted prior to every operation to accommodate the height of the workpiece (the blade guard should be no more than one-fifth of an inch (3mm) from the upper edge of the workpiece).

1. Use the adjustment knob (Fig. P - 1) to adjust the height of the upper blade guide. Use the outer locking knob to secure the guard in place when it has reached the desired height.
2. Loosen the knobs on the side of the blade guard (Fig. P - 2 and P - 3) and adjust both the thrust and guide bearings so that they are positioned approximately 1/10 of one inch (2mm) or less (.5mm for the guide bearing) away from the blade. The inside knob (Fig. P - 3) adjusts the thrust bearing, holding the back of the blade in place. The outside knob (Fig. P - 2) adjusts the guide bearings, moving the blade left and right.
3. Once desired adjustments have been achieved (when the bearings are all roughly .1 to .5 mm away from the blade) (Fig. Q, Fig. R), tighten the knobs to secure the bearing guides in place.

# ADJUSTMENTS

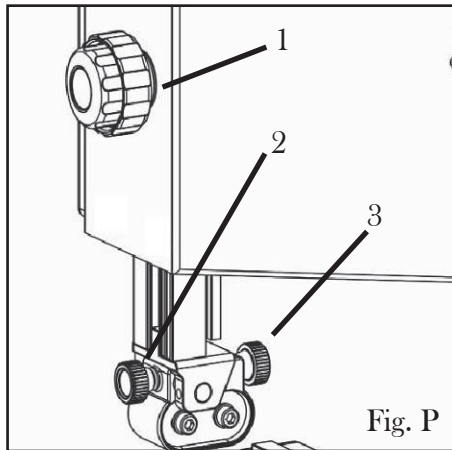


Fig. P

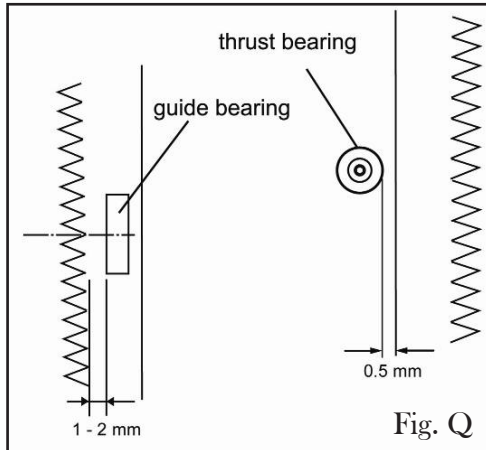


Fig. Q

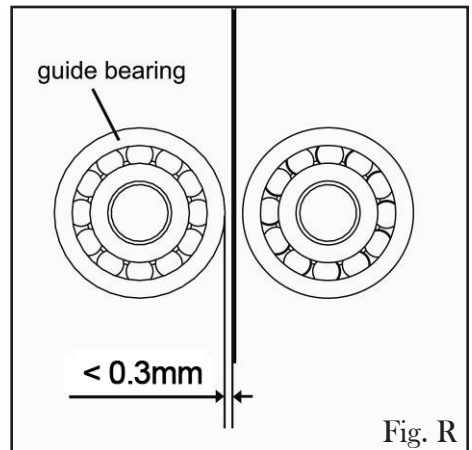


Fig. R

## LOWER BLADE GUIDE ADJUSTMENT



**WARNING:** The lower blade guide must be adjusted after every blade change and tracking adjustment.

1. Loosen the set screw (Fig. S - 3) and move the entire lower blade guide. Adjust the guide bearing to a position of 1 to 2 mm from the bottom of the blade. Retighten the set screw (Fig. S - 3).
2. Loosen the socket head bolt (Fig. S - 1) and adjust the thrust bearing a position of .5 mm from the rear of the blade. Retighten the bolt (Fig. S - 1).
3. Loosen the bolt (Fig. S - 2) and adjust the guide bearing to a position .5 mm away from the blade. Retighten the bolt (Fig. S - 2).

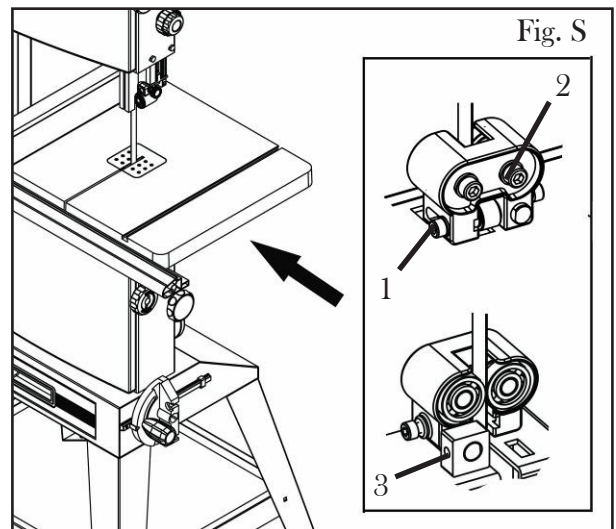


Fig. S

## ADJUSTING THE CUTTING SPEED

1. Open the lower cover. Slacken the driving belt (Fig. U) by turning the drive belt tension setting knob (Fig. V - 1) clockwise.
2. Place the driving belt on the desired speed settings (Fig. T) and retighten the drive belt tension setting knob.

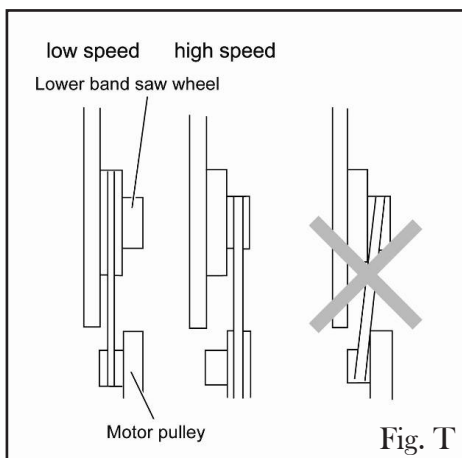


Fig. T

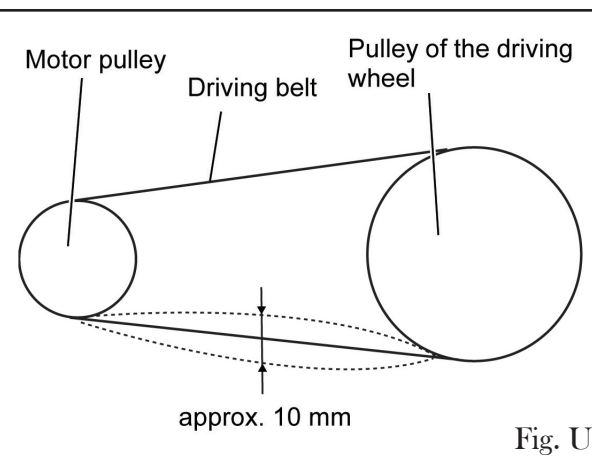


Fig. U

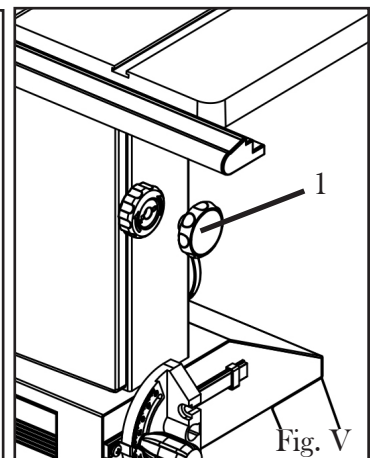


Fig. V



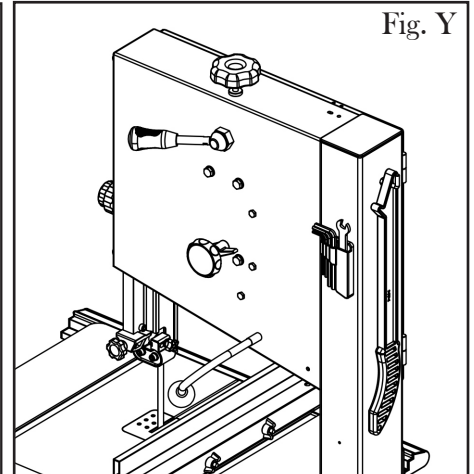
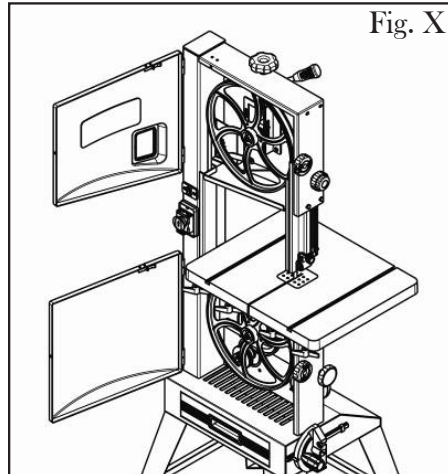
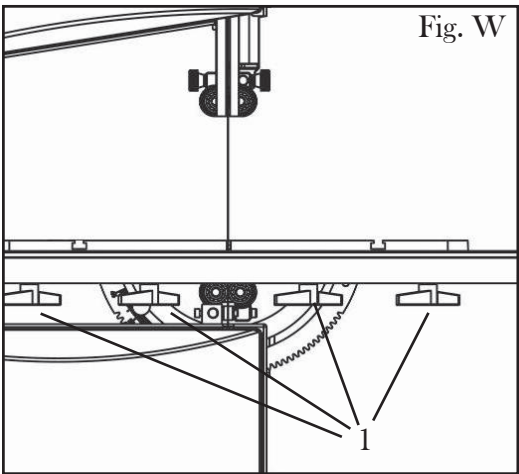
# ADJUSTMENTS

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## CHANGING THE BAND SAW BLADE

**WARNING:** The saw blade is dangerous. Be sure to wear gloves when handling the saw blade in any situation.

1. Loosen the four lock knobs for the guide rail. Remove the guard rail by loosening the four lock knobs located underneath (Fig. W - 1).
2. Open the upper cover and the lower cover. Set the upper blade guide to its lowest position.
3. Loosen the quick release lever until the bandsaw blade has sufficient enough slack.
4. Remove the bandsaw blade from the machine. Fit a fresh bandsaw blade and center the bandsaw blade on the rubber tracking on each of the bandsaw wheels.
5. Tighten the quick release lever. After manually spinning the wheels to make sure the blade has been centered properly, replace the guide rail to its original lever and close the upper and lower cover.
6. Align the saw blade, adjust the blade tension and adjust the upper and lower blade guides before operation.



## MAINTENANCE

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**WARNING:** For your own safety, turn the switch OFF and remove the plug from the electrical outlet before performing maintenance or lubricating the band saw.

1. Remove the sawdust from the inside of the housing and the sawdust collection drawer. Blow out the sawdust from the motor.
2. Clean off the pitch which accumulates on the table, blade guides, and bearings.
3. Remove pitch and dust from the upper and lower wheels using a stiff brush. Do not use solvents.
4. Apply a thin coat of automotive polish to the table top for a slick surface.
5. Replace blades and the wheel tires when worn.



**WARNING:** Replace the power cord immediately if it is worn, cut, or damaged in any way.

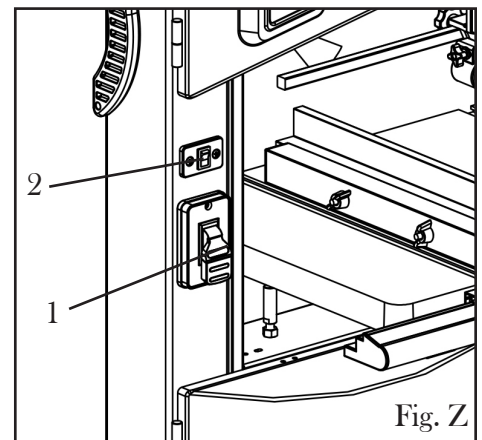
# OPERATION

## SUGGESTIONS AND WARNINGS

- Do not touch the saw blade when cutting.
- During saw operation, wear safety glasses but do not wear gloves.
- Cut only one workpiece at a time.
- Always hold the workpiece down on the table.
- Do not jam any workpieces.
- Do not try to slow the blade down by pushing the work piece against the saw blade from the side.
- When straight cutting against the fence, use a push stick.
- Use a work support when cutting long stock to avoid pieces from falling down after the cut has been completed.
- Use a dust collector and regularly empty the dust collection drawer.
- When cutting round stock, make sure the piece is as secure as possible.
- Before starting, check that the saw blade and the upper and lower blade guides are in proper working order.
- Replace damaged parts immediately.
- Assume the correct working position (the blade's teeth should be pointing towards the operator).
- Take all necessary precautions to avoid kickback during operation.

## ON/OFF SWITCH

1. To turn the saw ON, move the switch to the up position (Fig. Z - 1).
2. To turn the saw OFF, move the switch to the down (OFF) position.
3. To lock the switch in the OFF position:
  - A) Wait until the band saw has come to a complete stop.
  - B) Remove the safety key from the switch housing. Store the safety key in a safe place.
4. To unlock the switch and turn the saw ON, insert the safety key into the switch, and move the switch to the ON position.



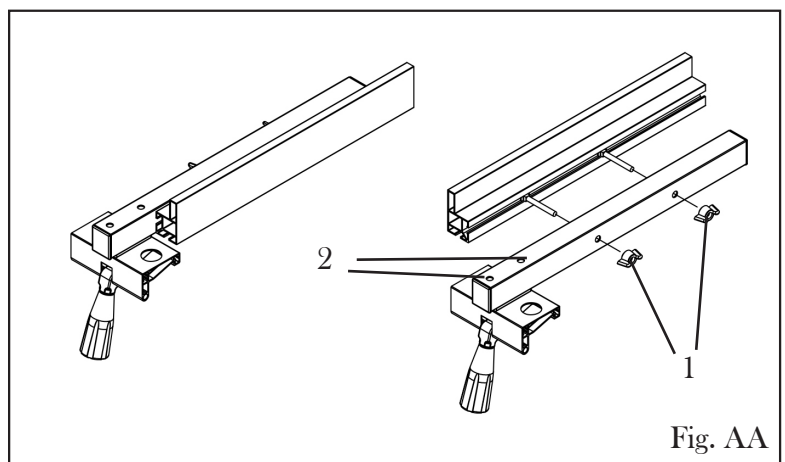
## LED WORK LIGHT (Figure 14)

The work light switch is independent and may be turned ON or OFF separately from the band saw switch. The LED switch is a smaller switch located directly above the main ON/OFF switch (Fig. Z - 2).

## REVERSING THE RIP FENCE

The rip fence can be used on both sides of the blade. When the rip fence is to be moved from one side of the saw blade to the other, the fence needs to be reversed using the following steps:

1. Loosen and remove the two knobs (Fig. AA - 1).
2. Take off the fence with bolts from the fence support.
3. Assemble the fence with bolts to the other side of the fence support.
4. Replace the two knobs.



To change the height of the fence, loosen the two knobs, slide the fence out from the fence support, rotate the fence 90°, insert the lock screw into the other groove of the fence, and finally retighten the two knobs.

The fence can be adjusted parallelling with the side of the blade by loosening the two socket bolts (Fig. AA - 2)



# OPERATION

## USING THE MITER GAUGE

1. Place the miter gauge into the slot on the table. (Fig. BB)
2. Loosen the knob on the gauge to set a new miter angle (between 0 and 60 degrees).
3. Tighten the knob firmly before cutting begins.

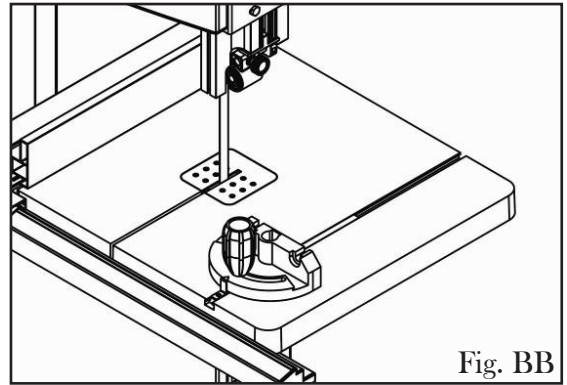


Fig. BB

## USING THE PUSH STICK (Fig. CC - DD)

The push stick serves as an extension of the hand and protects against accidental contact with the saw blade. The push stick must be used if the distance between the bandsaw blade and the rip fence is less than 5.9 inches. When the push stick is not used, it can be stored on the hook provided on the bandsaw frame (Fig. DD). Replace the push stick if damaged.

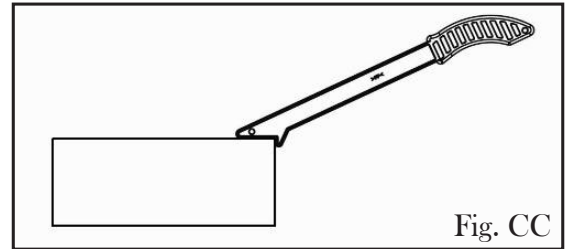


Fig. CC

## GENERAL CUTTING



**WARNING:** Operating a band saw involves a certain amount of hazard. Read the instructions and plan your work before cutting a workpiece.

1. Use scrap lumber to check the settings and to get the feel of operating the band saw before attempting regular work.
2. Do not turn the power on before all adjustments have been made. Check to make sure the upper guard is in place. Always keep the upper blade guard close to your work, approximately 1/8" (3.2 mm) above the workpiece.
3. Do not force the workpiece against the blade. Light contact permits easier cutting and prevents unwanted friction and heating of the blade. Sharp saw blades need little pressure for cutting. Steadily move the workpiece against the blade without forcing it.
4. It is recommended that a dust collection bag be connected to the dust port when sawing wood.
5. Use the band saw for straight line operations such as cross-cutting, ripping, miter cutting, beveling, compound cutting, and resawing.
6. To avoid twisting the blade, do not turn sharp corners; instead, saw around corners. A band saw is basically a "curve-cutting" saw. It is not capable of doing intricate inside cutting as can be done with a scroll saw.

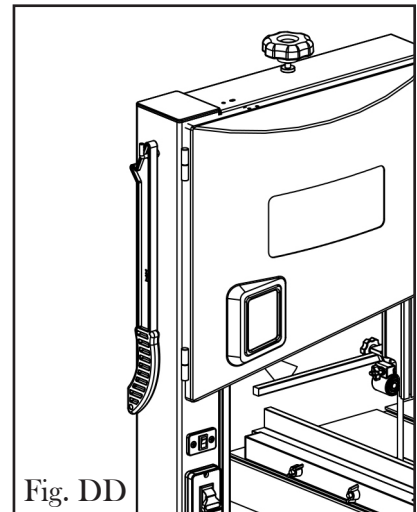
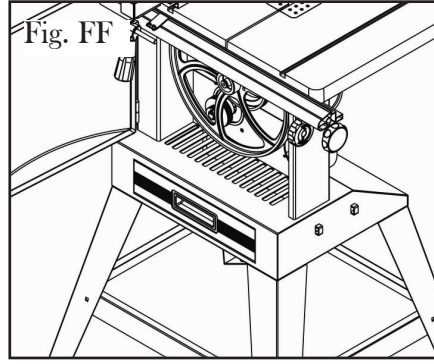
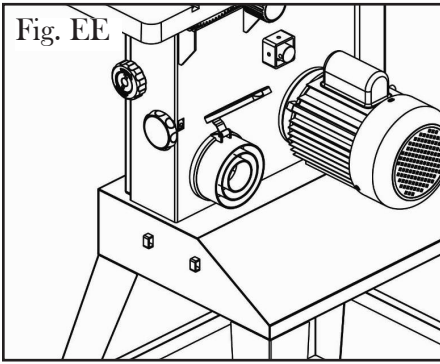


Fig. DD



**WARNING:** Do not use this band saw to cut ferrous metals.

## OPERATION



### CONNECT A DUST COLLECTOR

The band saw provides a dust port for collecting various size hoses. It should be connected with a dust collector during any sawing operations. Excess debris gets collected into the dust drawer underneath which should be routinely cleaned out. Dust port sizes include 1-3/4 inches, 2-3/4 inches, and 3-3/4 inches.

### CUTTING CURVES WITH THE CIRCLE CUTTING GUIDE

To make a circular cut, use as narrow of a saw blade as is necessary for the radius of the circle.

BLADE WIDTH	1/8 in.	3/16 in.	1/4 in.	3/8 in.	1/2 in.	3/4 in.	1 in.
MINIMUM RADIUS	3/16 in.	5/16 in.	5/8 in.	1-1/2 in.	2-1/2 in.	5-1/2 in.	7 in.

1. Draw a circle and its center point on the wood workpiece (Fig. GG).
2. Set the fence to the desired position where the saw blade is inline to the tangent of the circle mark, keeping the wood work piece guided by the fence. Turn on the bandsaw and cut off the workpiece (Fig. GG).
3. Put the remainder of the workpiece with the circle mark onto the table. Align the point of tangency to the saw blade teeth. Set the center pin in the center of the circle, fixing it in place with the tightening knob (Fig. HH - 1). Turn on the bandsaw, slowly rotate and feed the workpiece into the saw blade.
4. Aside from circles, this cutting accessory can also help you easily cut out round corners (Fig. II).

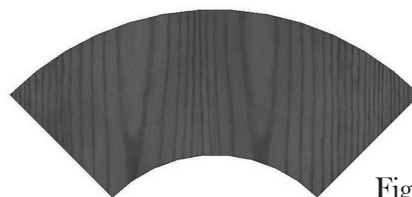
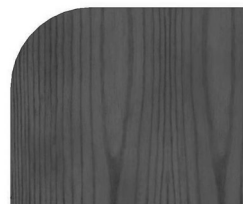
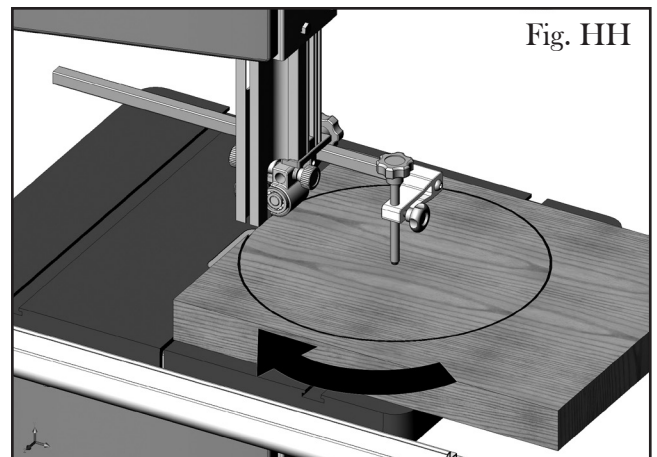
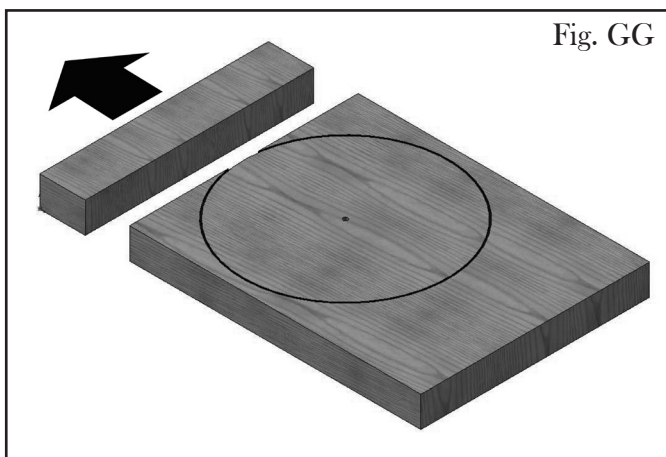
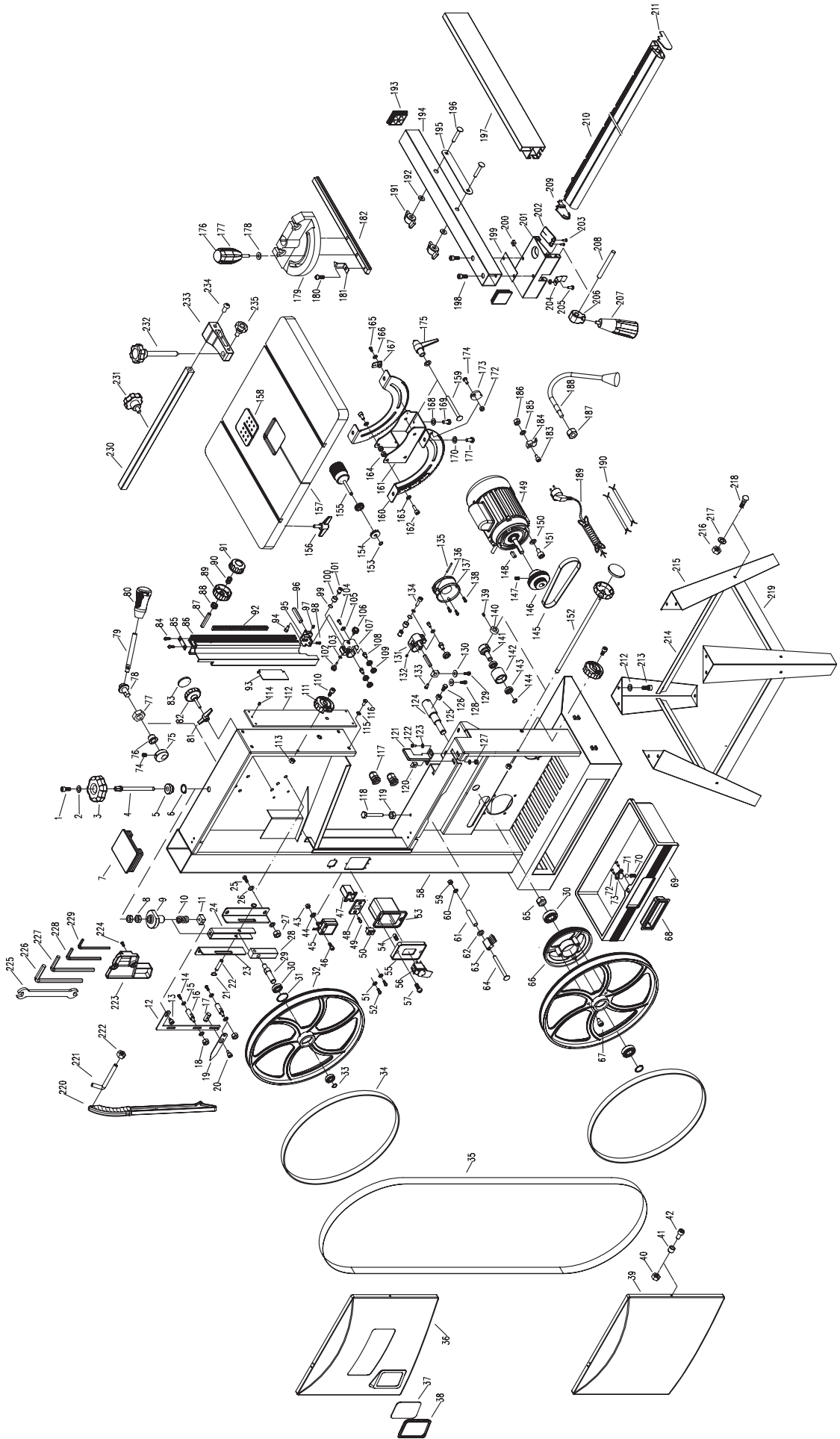


Fig. II

# EXPLODED VIEW & PARTS LIST



# EXPLODED VIEW & PARTS LIST

No.	Part Number	Description	Qty.
1	3966-001	Socket head screw	1
2	3966-002	Flat washer	1
3	3966-003	Blade tension knob	1
4	3966-004	Screw	1
5	3966-005	Bushing	1
6	3966-006	Retaining ring	1
7	3966-007	Frame cap	1
8	3966-008	Hex nut	2
9	3966-009	Tension bracket	1
10	3966-010	Spring	1
11	3966-011	Nut	1
12	3966-012	Connecting plate	1
13	3966-013	Bolt	1
14	3966-014	Hex head bolt	3
15	3966-015	Flat washer	6
16	3966-016	Guide rod	3
17	3966-017	Nut	1
18	3966-018	Lock nut	3
19	3966-019	Blade tension pointer	1
20	3966-020	Bolt	1
21	3966-021	Retaining ring	2
22	3966-022	Shaft	1
23	3966-023	Guide plate	2
24	3966-024	Pulling plate	1
25	3966-025	Hex head bolt	4
26	3966-026	Flat washer	8
27	3966-027	Hex nut	4
28	3966-028	bevel block	1
29	3966-029	Shaft	1
30	3966-030	Ball bearing	4
31	3966-031	Retaining ring	4
32	3966-032	Upper wheel	2
33	3966-033	Retaining ring	2
34	3966-034	Tyre	2
35	3966-035	Blade	1
36	3966-036	Upper cover	1
37	3966-037	Viewing window	1
38	3966-038	Window case	1
39	3966-039	Lower cover	1
40	3966-040	Lock nut	2
41	3966-041	Bushing	2
42	3966-042	Socket head screw	2
43	3966-043	Nut	1
44	3966-044	Flat washer	1
45	3966-045	LED driver	1
46	3966-046	Socket head screw	1
47	3966-047	Led switch box	1
48	3966-048	Switch cover	1
49	3966-049	Pan head screw	2
50	3966-050	LED switch	1
51	3966-051	Serrated washer	2
52	3966-052	Pan head screw	2
53	3966-053	Switch box	1
54	3966-054	Connecting terminal	3
55	3966-055	Thread forming screw	1
56	3966-056	Main switch	1
57	3966-057	Pan head screw	2
58	3966-058	Frame	1
59	3966-059	Nut	1

No.	Part Number	Description	Qty.
60	3966-060	Flat washer	1
61	3966-061	Bushing	1
62	3966-062	Flat washer	1
63	3966-063	Brush	1
64	3966-064	Carriage blot	1
65	3966-065	Hex nut	1
66	3966-066	Spindle pulley	1
67	3966-067	Socket head screw	3
68	3966-068	Drawer handle	1
69	3966-069	Dust drawer	1
70	3966-070	Spring	1
71	3966-071	Ball	1
72	3966-072	Thread forming screw	2
73	3966-073	Ball house	1
74	3966-074	Set screw	1
75	3966-075	Cam	1
76	3966-076	Bushing	1
77	3966-077	Nut	1
78	3966-078	Shaft	1
79	3966-079	Handle	1
80	3966-080	Handle cap	1
81	3966-081	Tracking set knob	1
82	3966-082	Tracking lock knob	1
83	3966-083	Cap	2
84	3966-084	Thread forming screw	2
85	3966-085	Limiting plate	1
86	3966-086	Upper blade guard	1
87	3966-087	Shaft	1
88	3966-088	Gear	1
89	3966-089	Upper guide adjusting knob	1
90	3966-090	Spring	1
91	3966-091	Lock knob	1
92	3966-092	Rack	1
93	3966-093	Sliding cover	1
94	3966-094	Socket head bolt	1
95	3966-095	Support block	1
96	3966-096	Connecting shaft	2
97	3966-097	Set screw	1
98	3966-098	Thread forming screw	2
99	3966-099	Retaining ring	2
100	3966-100	Bearing	2
101	3966-101	Shaft	2
102	3966-102	Knob	1
103	3966-103	Flat washer	1
104	3966-104	Socket head screw	2
105	3966-105	Flat washer	2
106	3966-106	Knob	1
107	3966-107	Guide block	1
108	3966-108	Shaft	4
109	3966-109	Ball bearing	8
110	3966-110	Socket head screw	2
111	3966-111	Cover lock knob	2
112	3966-112	Guide plate	1
113	3966-113	Lock nut	2
114	3966-114	Set screw	1
115	3966-115	Flat washer	4
116	3966-116	Hex head bolt	4
117	3966-117	Cord bushing	2

# EXPLODED VIEW & PARTS LIST

No.	Part Number	Description	Qty.
118	3966-118	Limiting shaft	1
119	3966-119	Hex nut	1
120	3966-120	Guide block	1
121	3966-121	Lower guard	1
122	3966-122	Hex head bolt	1
123	3966-123	Flat washer	2
124	3966-124	Shaft	1
125	3966-125	Hex nut	4
126	3966-126	Hex head bolt	4
127	3966-127	Hex nut	1
128	3966-128	Hex head bolt	1
129	3966-129	Hex head bolt	1
130	3966-130	Flat washer	2
131	3966-131	Guide block	1
132	3966-132	Set screw	1
133	3966-133	Socket head screw	1
134	3966-134	Socket head screw	1
135	3966-135	Pin	1
136	3966-136	Dust port cover	1
137	3966-137	Dust port	1
138	3966-138	Pan head screw	3
139	3966-139	Set screw	1
140	3966-140	Bushing	1
141	3966-141	Idle pulley shaft	1
142	3966-142	Idle pulley	1
143	3966-143	Ball bearing	2
144	3966-144	Retaining ring	1
145	3966-145	Belt	1
146	3966-146	Motor pulley	1
147	3966-147	Set screw	1
148	3966-148	Key	1
149	3966-149	Motor	1
150	3966-150	Flat washer	4
151	3966-151	Socket head screw	4
152	3966-152	Belt tension knob	1
153	3966-153	Retaining ring	1
154	3966-154	Gear	2
155	3966-155	Table adjusting knob	1
156	3966-156	Lock knob	4
157	3966-157	Table	1
158	3966-158	Table insert	1
159	3966-159	Carriage blot	1
160	3966-160	Angle guide plate	2
161	3966-161	Table bevelling base	1
162	3966-162	Socket head bolt	2
163	3966-163	Flat washer	2
164	3966-164	Lock nut	2
165	3966-165	Pan head screw	1
166	3966-166	Flat washer	1
167	3966-167	Pointer	1
168	3966-168	Flat washer	4
169	3966-169	Hex head bolt	4
170	3966-170	Flat washer	4
171	3966-171	Socket head screw	4
172	3966-172	Hex nut	4
173	3966-173	Limiting plate	1
174	3966-174	Hex head bolt	1
175	3966-175	Locking handle	1
176	3966-176	Cap	1

No.	Part Number	Description	Qty.
177	3966-177	Handle	1
178	3966-178	Washer	1
179	3966-179	Miter gauge	1
180	3966-180	Pan head screw	1
181	3966-181	Pointer	1
182	3966-182	Rod	1
183	3966-183	Socket head screw	1
184	3966-184	Cord clamp	1
185	3966-185	Flat washer	1
186	3966-186	Nut	1
187	3966-187	Hex nut	2
188	3966-188	LED driver	1
189	3966-189	Power cord	1
190	3966-190	Inner cord	2
191	3966-191	Knob	2
192	3966-192	Flat washer	2
193	3966-193	Fence support cap	2
194	3966-194	Fence support	1
195	3966-195	Guide plate	1
196	3966-196	Carriage blot	2
197	3966-197	Fence	1
198	3966-198	Socket head bolt	2
199	3966-199	Spacer plate	1
200	3966-200	Nut	3
201	3966-201	Sliding base	1
202	3966-202	Pointer	1
203	3966-203	Thread forming screw	2
204	3966-204	Spring plate	1
205	3966-205	Pan head screw	1
206	3966-206	Lock block	1
207	3966-207	Lock handle	1
208	3966-208	Shaft	1
209	3966-209	Guide rail cap	1
210	3966-210	Guide rail	1
211	3966-211	Guide rail cap	1
212	3966-212	Flat washer	8
213	3966-213	Socket head screw	8
214	3966-214	Long brace	2
215	3966-215	Leg	4
216	3966-216	Hex nut	8
217	3966-217	Flat washer	8
218	3966-218	Carriage blot	8
219	3966-219	Short brace	2
220	3966-220	Push stick	1
221	3966-221	Hook	1
222	3966-222	Hex nut	1
223	3966-223	Rack	1
224	3966-224	Pan head screw	2
225	3966-225	Spanner	1
226	3966-226	6mm hex wrench	1
227	3966-227	5mm hex wrench	1
228	3966-228	4mm hex wrench	1
229	3966-229	3mm hex wrench	1
230	3966-230	Sliding bar	1
231	3966-231	Locking knob	1
232	3966-232	Center Pin	1
233	3966-233	Support block	1
234	3966-234	Socket head screw	1
235	3966-235	Locking knob	1



## LIMITED TWO YEAR WARRANTY

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**LIMITED WARRANTY OF WEN CONSUMER POWER TOOLS PRODUCTS FOR HOME USE**  
GREAT LAKES TECHNOLOGIES, LLC (“Seller”) warrants to the original purchaser only, that all WEN consumer power tools will be free from defects in material or workmanship for a period of two (2) years from date of purchase. Ninety days for all WEN products, if the tool is used for professional use.

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When returning a product for warranty service, the shipping charges must be prepaid by the purchaser. The product must be shipped in its original container (or an equivalent), properly packed to withstand the hazards of shipment. The product must be fully insured with a copy of the warranty card and/or the proof of purchase enclosed. There must also be a description of the problem in order to help our repairs department diagnose and fix the issue. Repairs will be made and the product will be returned and shipped back to the purchaser at no charge.

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