

Owner's Manual ACCU-FENCE®64A Fence and Rail System



WMH TOOL GROUP 2420 Vantage Drive Elgin, Illinois 60123 Ph.: 800-274-6848

www.wmhtoolgroup.com

WARRANTY AND SERVICE

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

MORE INFORMATION

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

POWERMATIC products carry a limited warranty which varies in duration based upon the product.

One Year Standard.

Brush Sanders

Dovetail Machines

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Bandsaws **Dust Collectors** Jointers **Boring Machines Dovetail Machines** Planers Sanders



Shapers

Rip Saws

Cut-off Saws Tablesaws Scoring Saws Panel Saws

Accessories & Abrasives

Drill Presses Drum Sanders Panel Saws Power Feeders Commercial use of Non-Industrial Products

option available on select **POWERMATIC** machines



Industrial Products

Two Year Option Available on select industrial machines with distributor installation. See your POWERMATIC Industrial Distributor for details.



Non-Industrial Products

Visit our distributors or our website for more information.

nty reverts to 1 Year if above products are

WHAT IS COVERED?

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

WHO IS COVERED?

This warranty covers only the initial purchaser of the product.

WHAT IS THE PERIOD OF COVERAGE?

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

WHAT IS NOT COVERED?

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

HOW TO GET SERVICE

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

You must provide proof of initial purchase date and an explanation of the complaint must accompany the merchandise. If our inspection discloses a defect, we will repair or replace the product, or refund the purchase price, at our option.

We will return the repaired product or replacement at our expense unless it is determined by us that there is no defect, or that the defect resulted from causes not within the scope of our warranty in which case we will, at your direction, dispose of or return the product. In the event you choose to have the product returned, you will be responsible for the handling and shipping costs of the

HOW STATE LAW APPLIES

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

LIMITATIONS ON THIS WARRANTY

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

WMH TOOL GROUP 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.

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

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- 1. Read and understand the entire owners 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. The Table Saw on which the ACCU-FENCE is used 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 Table Saw, do not use until proper training and knowledge have been obtained.
- 5. Do not use this Table Saw on which the ACCU-FENCE is used for other than its intended use. If used for other purposes, WMH Tool Group disclaims any real or implied warranty and holds itself harmless from any injury that may result from that use.
- 6. Always wear approved safety glasses/face shields while using this Table Saw. Everyday eyeglasses only have impact resistant lenses; they are not safety glasses.
- 7. Before operating the Table Saw, remove tie, rings, watches and other jewelry, and roll sleeves up past the elbows. Remove all loose clothing and confine long hair. Non-slip footwear or anti-skid floor strips are recommended. Do **not** wear gloves.
- 8. Wear ear protectors (plugs or muffs) during extended periods of operation.
- 9. Some dust created by power sanding, sawing, grinding, drilling and other construction activities contain chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
- Lead from lead based paint.
- Crystalline silica from bricks, cement and other masonry products.
- Arsenic and chromium from chemically treated lumber.
- 10. Your risk of exposure varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area and work with approved safety equipment, such as face or dust masks that are specifically designed to filter out microscopic particles.
- 11. Do not operate this machine while tired or under the influence of drugs, alcohol or any medication.
- 12. Make certain the switch is in the **OFF** position before connecting the machine to the power supply.
- 13. Make certain the machine is properly grounded.
- 14. Make all machine adjustments or maintenance with the machine unplugged from the power source.
- 15. 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.
- 16. 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.
- 17. Make sure the Table Saw is firmly placed on a secure foundation.
- 18. 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.
- 19. Provide for adequate space surrounding work area and non-glare, overhead lighting.
- 20. Keep the floor around the machine clean and free of scrap material, oil and grease.



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

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

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

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

Unpacking

Open shipping cartons and check that all parts are intact. Report any damage immediately to your distributor. Read the instruction manual thoroughly for assembly, alignment, and maintenance instructions.

Box contents

Box One:

1 ACCU-FENCE

1 Lock Lever Knob

Box Two:

1 Front Rail

1 Back Rail

1 Guide Tube

3 Black Plastic End Caps

1 Hardware Bag containing:

14 ea 1/4-20 x 1-1/2 Hex Cap Screws

7 ea 1/4-20 x 3/4 Hex Cap Screws

35 ea 1/4 Flat Washers

21 ea 1/4 Lock Washers

00014 ea 1/4 Hex Nuts

Note: The hardware should be packed in the guide rail along with the end caps.

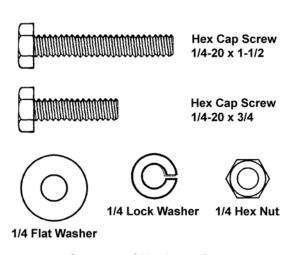
The contents of the hardware bag (shown at right) are drawn full scale.

Note: Quantities for items in the hardware bag are for the 52" rail system. If you purchased the 30" rail system, there will be extra hardware.

Note: If the optional wooden extension table is not used, there will be extra hardware.

Tools Required for Assembly & Adjustment

- 1 #3 Cross Point Screwdriver
- 2 10mm Open End Wrenches
- 1 Combination Square & Straight Edge
- 1 Electric Drill
- 1 1/4", 3/16" Drill Bits
- 2 4"-6" C-Clamps
- 1 5mm, 6mm Hex Wrenches



Contents of Hardware Bag

Installation

Tools required

10mm open end wrenches Cross point screwdriver Adjustable square Hammer (or rubber mallet) Straight edge

The following instructions are for installing the ACCU-FENCE and Rail System on a Powermatic Model 64A Table Saw. The Rails should bolt up to the Powermatic saw without any drilling.



Figure 1

Front Rail Installation

Referring to Figures 1:

- 1. Identify the *front rail*, which is 2" x 2" with slots running along each side.
- 2. Align the slots on the *front rail* to the four holes in the front edge of the saw table as shown in Figure 1.

Referring to Figure 2:

3. Lightly secure the *front rail* to the *saw table* and extension wings with four 1/4-20 x 1-1/2 hex cap screws, eight 1/4" flat washers, four 1/4" lock washers, and four 1/4" hex nuts. Tighten just enough to hold the rail next to the table but keep loose enough to allow height adjustment.

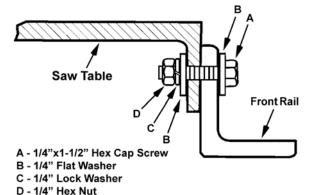


Figure 2

The *front rail* must be 2-3/16" down from the table top in order to function properly.

- 4. Place an adjustable square on the table as shown in Figure 3.
- 5. Check the height of the *front rail* at several locations along the surface of the saw table. The front rail **must** be parallel with the table top.
- 6. When the *front rail* has been correctly positioned, tighten all mounting screws securely with two 10mm wrenches.

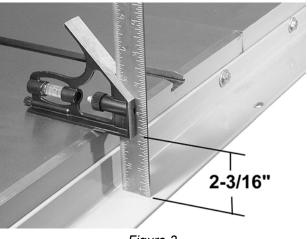


Figure 3

Back Rail Installation

- 1. Locate the *back rail* which is 1-1/2" x 1-1/2" with holes running along one side only. The height of the back rail when attached to the saw is not critical.
- 2. Align the holes in the *back rail* to the holes in the table top, as shown in Figure 4.
- Secure the back rail to the holes in the saw table with four 1/4-20x 1-1/2 hex cap screws, eight 1/4 flat washers, four 1/4 lock washers, and four 1/4 hex nuts as shown in Figure 5. Tighten screws securely with two 10mm wrenches.

Note: If you are installing an optional wood extension table on your saw, it should be installed first **before** mounting the guide tube. This will prevent having to mount and align the guide tube twice.

If you are not mounting an optional wood table, skip the following section and proceed to *Guide Tube* section.

Wooden Extension Table

The wooden extension table is an optional accessory.

Tools required

Electric drill

Cross point screwdriver

10mm open end wrenches

Four clamps

Straight edge

Hammer (or rubber mallet)

Installation

The optional wood extension table (including the optional router table) sits flush against the saw table and along the inside of the rails. The Powermatic logo (or warning label on the router table) should face outward. The extension table is not bolted to the saw table, it is bolted only to the rails.

The extension table and saw table must be aligned properly so the ACCU-FENCE will slide smoothly from one to the other.

 Place the extension table between the rails and up against the saw table, leaving the extension table raised just slightly above the saw table.

Clamp the extension table to the front and back rails as shown in Figure 6. Clamping pressure should be enough to secure the table yet allow minor adjustments.



Figure 4

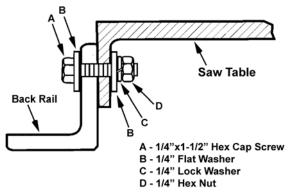


Figure 5

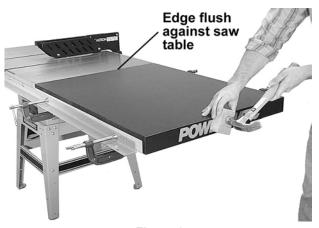


Figure 6

2. Use a hammer and block of wood (or a rubber mallet) to tap the extension table up flush against the cast iron saw table (Figure 6).

3. Tap down the extension table at various points along its edge where it meets the saw table, until it is level with the saw table (Figure 7). As one part of the edge becomes level with the table, tighten the clamp on that side. Then move to the other side and repeat, until the full length of the edge is level with the saw table. Lay a straight edge across both extension table and saw table to ensure proper leveling.

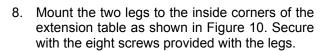


Figure 7

When extension table is properly aligned, holes need to be drilled into the wood table using the holes in the rails as your guide (Figure 8).

Note: For the following step, you may wish to drill 3/32" pilot holes first.

- 4. Drill 1/4" holes into the front edge of the table using the holes in the front rail as a guide.
 - **Note:** Drill through the center of the slots this will provide lateral adjustment of the rail if needed later.
- 5. Drill 1/4" holes into the back edge of the table using the holes in the back rail as a guide.
- 6. Install 1/4-20 x 1-1/2 hex cap screws, 1/4 flat washers, and 1/4 hex nuts into the holes in the front and rear edges of the extension table as shown in Figure 9. Finger-tighten only.
- 7. Re-check the table for alignment, make further adjustments if necessary, then tighten all screws and nuts with two 10mm wrenches.



Note: If you are using a mobile base under your saw, you may need to shift the placement of the legs so they rest properly upon the shelves of the base.

9. Adjust the footpads on the legs counterclockwise until they reach the floor, then tighten the nut.



Figure 8

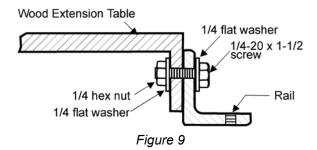




Figure 10

Guide Tube

Referring to Figure 11:

The *guide tube* (A) is placed on top of the *front rail* (B) and is mounted with the scale facing toward the operator.

- 1. Align the holes in the bottom of the *guide tube* (A) with the holes in the *front rail* (B).
- 2. Fasten the *guide tube* (A) to the *rail* (B) from beneath with 1/4-20 x 3/4 hex cap screws (C), 1/4 lock washers (F) and 1/4 flat washers (G). Finger-tighten only.
- Measure from the guide tube to the table top in several places, to ensure it is parallel with the table top. Adjust as needed, and tighten all screws. Adjust as needed, and tighten all screws with a 10mm wrench.

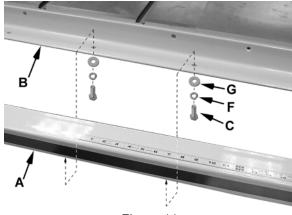


Figure 11

ACCU-FENCE

Mounting the ACCU-FENCE

Screw the lock lever knob into the threaded handle on the ACCU-FENCE as shown in Figure 12.

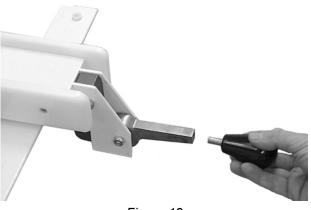


Figure 12

The lock lever has three functional positions as shown in Figure 13:

- The upright position permits mounting and removal of fence from the saw.
- The unlock position permits easy fence positioning.
- The lower position locks the fence to the front rail. The cam handle should be pushed down firmly against the pin.

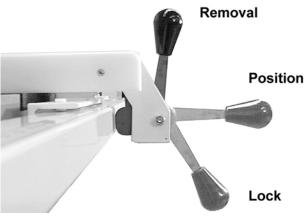


Figure 13

Fence Adjustments

Note: Fence adjustments should be performed in the order given.

Leveling Fence to the Saw Table

- 1. Place the fence on the table and lock it.
- 2. View the fence from the left side of the saw (Figure 14). Look for the space *between the table and the fence bottom* to be equal along the entire length of the fence (A, B, Fig. 14).

If adjustment is necessary:

- 3. Unlock the fence.
- 4. Raise or lower two nylon adjustment screws (Figure 15) the same number of turns until the space between the bottom of the fence and the table is the same. Care must be taken to raise or lower the fence on each side equally or the fence sides may not be 90° to the table after the height adjustment is performed.

When the space at points A and B (Fig. 14) are the same:

- 5. Extend the *foot* (C, Fig. 14) by rotating it until it just comes in contact with the *back rail*.
- 6. Tighten the *lock nut* to secure the *foot*, preventing it from further rotation.

Adjusting Fence Parallel to the Miter Slot

- 1. Place the fence next to the outside edge of the right miter slot and lock it (Figure 16).
- The fence should be even with the miter slot from front to back.
- 3. If the fence is not even along the length of the miter slot, unlock the fence, remove it and place on top of the saw table (Figure 17).
- 4. Adjust one of the two setscrews (Figure 17) until the fence is even with the miter slot edge along its entire length when locked.

Note: You may need to re-adjust the clamping pressure after aligning the fence.

Clamping Pressure

The ACCU-FENCE has been adjusted at the factory to lock securely when the lock handle is pushed down. If adjustment is needed:

- 1. Unlock the fence.
- 2. Remove the fence from the guide rail and place on top of the saw table (Figure 17).
- 3. Adjust each of the two setscrews (Figure 17) exactly the same number of rotations until the desired pressure is achieved when the lock handle is pushed down.

Rotate counterclockwise to increase pressure and clockwise to decrease cam pressure.

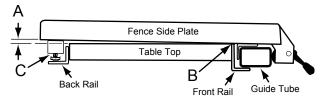


Figure 14

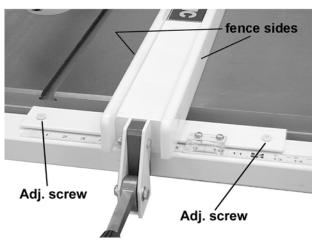


Figure 15



Figure 16

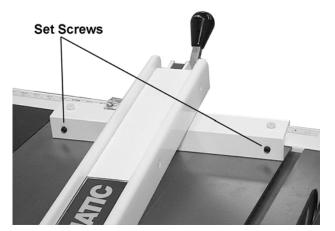


Figure 17

90° to the Table

- 1. Place the fence on the saw table and lock it.
- 2. Place a square (Figure 18) on the table next to the fence. The fence sides should be 90° to the table.
- 3. If adjustment is necessary, unlock the fence, and turn one of the two nylon adjustment screws (Figure 15) until the fence is 90° to the table.
- 4. Lock the fence and check the adjustment again.

Cursor Adjustment

- Disconnect the table saw from the power source.
- 2. Raise the saw blade above the tabletop.
- 3. Unlock the fence and slide it to approximately two inches from the saw blade.
- 4. Lock the fence.
- 5. Measure the distance between the saw blade and the inside of the fence.
- 6. Adjust the cursor (Figure 19) to read the distance just measured and tighten the cursor assembly to the fence.
- 7. Take a test cut and confirm that the adjustment is correct.

Note: If the cursor does not have enough travel to give the correct measurement loosen the guide rail and adjust as needed. If you still do not get the correct measurement loosen the front rail and adjust as needed. If you have to adjust the front rail you will need to go through the front rail assembly instructions again.

This adjustment must be checked whenever a different blade is installed.

After installing the ACCU-FENCE press the black plastic end caps into the openings of the guide rail. There is also an end cap for the fence, but this should already be installed.



Figure 18

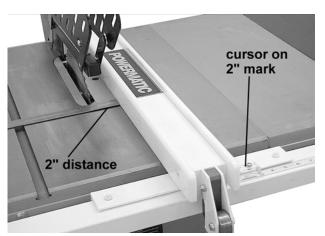


Figure 19

Rail Installation on a non-Powermatic Table Saw

The ACCU-FENCE 64A Fence and Rail System can be installed on a non-Powermatic table saw. Instructions for the rail and fence installation as well as the optional extension table are provided in Manual No. M-2195075EZ and is available on-line or a copy can be obtained by contacting customer service.

Trouble-Shooting for ACCU-FENCE

Problem	Possible Cause	Solution
Lock lever won't go down, or requires excessive force.	Too much pressure against guide tube.	Back out set screws.
Fence scrapes table, won't slide smoothly.	Fence height not adjusted properly.	Adjust nylon screws.
Fence "hangs" or binds while sliding.	Front rail not level.	Readjust rail.

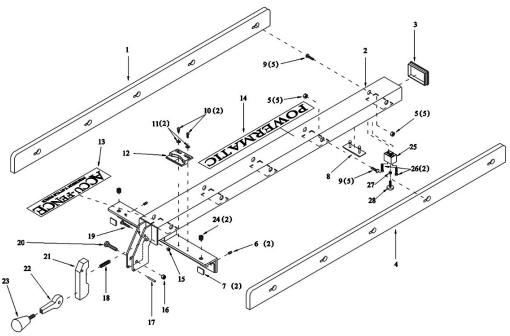
Parts

Ordering Replacement Parts

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

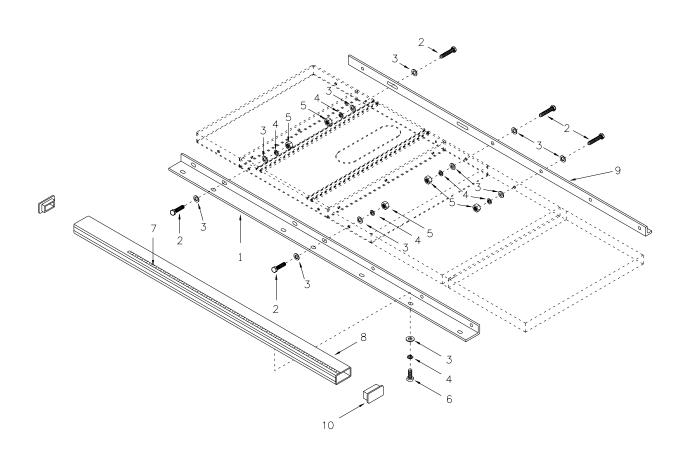
Parts for ACCU-FENCE 64A Fence Assembly

Index No.	Part No.	Description	Size	Qty
		Left Side Plate		
2	AF-102	Fence Body Assembly		1
		Tube Plug		
4	HF2-104	Right Side Plate		1
5	TS-0640071	Lock Nut	1/4" -20	10
6	TS-0271031	Socket Set Screw	3/8"-16 x 3/8"	2
7	3575081	Fluoroway Pad		2
		Pad		
9	TS-0151011	Carriage Bolt	1/4"-20 x 3/4"	10
10	TS-081D022	Pan Head Machine Screw	10-32 x 3/8"	2
11	TS-0680021	.Flat Washer	1/4"	2
		Cursor		
		ACCU FENCE Label		
		POWERMATIC Label		
		.Lock Nut		
		Lock Nut		
		Spring Pin		
		Compression Spring		
		Carriage Bolt		
		Carriage Bolt		
		.Foot Cam		
		.Lock Cam		
		Knob w/stud		
		Nylon Adjustment Screw		
		Foot Pad Holder		
		Socket Head Cap Screw		
		Hex Nut	-	
28	XF2-133	Foot Pad		1



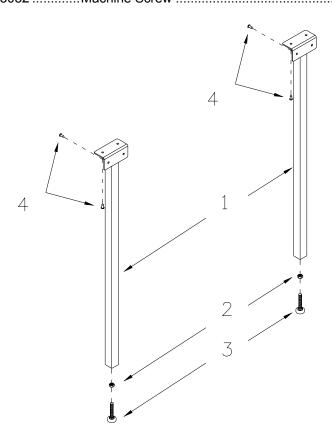
Parts for ACCU-FENCE 64A Rail Assembly

Index No. Part No.	Description	Size	Qty
1AF-201	Front Fence Rail – Standard		1
AF-201A	Front Fence Rail – Long Table		1
2TS-0050071	Hex Cap Screw (30" Table)	1/4"-20 x 1-1/2"	12
TS-0050071	Hex Cap Screw (52" Table)	1/4"-20 x 1-1/2"	14
	Flat Washer (30" Table)		
TS-0680021	Flat Washer (52" Table)	1/4"	35
4TS-0720071	Lock Washer (30" Table)	1/4"	18
TS-0720071	Lock Washer (52" Table)	1/4"	21
5TS-0561011	Hex Nut (30" Table)	1/4"-20	12
TS-0561011	Hex Nut (52" Table)	1/4"-20	14
6TS-0050031	Hex Cap Screw (30" Table)	1/4"-20 x 3/4"	6
TS-0050031	Hex Cap Screw (52" Table)	1/4"-20 x 3/4"	7
	Scale		
	Scale		
8AF-208	Front Fence Guide - Standard Table	30"	1
AF-208A	Front Fence Guide - Long Table	52"	1
	Back Fence Rail - Standard Table		
AF-209A	Back Fence Rail - Long Table	52"	1
	Tube Plug		
	Hardware Kit (Standard Table) - not shown		
	Hardware Kit (Long Table) – not shown		



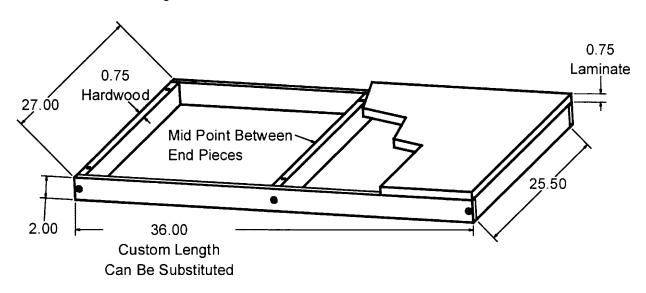
Parts for ACCU-FENCE 64A Leg Assembly

Inde	x No. Part No.	Description	Size	Qty
1	AF-301	Leg		2
		Hex Nut		
3	XF2-303	Adjusting foot		2
	TS-1533052		M5 x 16	



Appendix – Extension Table Dimensions

The dimensions below are provided if you plan to build your own extension table instead of purchasing one that is available through Powermatic.





WMH Tool Group 2420 Vantage Drive Elgin, Illinois 60123 Phone: 800-274-6848 www.wmhtoolgroup.com