

# Operating Instructions and Parts Manual JWS-22CS Spindle Shaper



#### WALTER MEIER (Manufacturing) Inc.

427 New Sanford Road LaVergne, Tennessee 37086 Ph.: 800-274-6848 www.waltermeier.com

Part No. M-708320 Revision G1 08/2010 Copyright © 2010 Walter Meier (Manufacturing) Inc.

## Warranty and Service

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

#### MORE INFORMATION

Walter Meier is consistently adding new products to the line. For complete, up-to-date product information, check with your local Walter Meier distributor, or visit waltermeier.com.

#### WARRANTY

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



#### WHAT IS COVERED?

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

#### WHO IS COVERED?

This warranty covers only the initial purchaser of the product.

#### WHAT IS THE PERIOD OF COVERAGE?

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

#### WHAT IS NOT COVERED?

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

#### HOW TO GET SERVICE

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

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

#### HOW STATE LAW APPLIES

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

#### LIMITATIONS ON THIS WARRANTY

WALTER MEIER (MANUFACTURING) INC., 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.

WALTER MEIER 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.

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

## **Table of Contents**

Warranty and Service	2
Table of Contents	3
Warning	4
Electrical Connections	6
Introduction	7
Specifications	7
Unpacking and Cleanup	8
Adjustments	
Arbor Removal and Installation	
Collet Installation	
Fence Adjustments	
Table Ring Removal and Installation	
Operation	
Spindle Control	
Using the Fence as a Guide	
Shaping with Collars and Starting Pin	
Collar Positioning	
Starting Pin	
Lubrication	-
Replacement Parts	
Table and Fence Breakdown	
Cabinet Breakdown	
Parts List	
Electrical Schematic	
Electrical Schematic for the Forward/Reverse Switch	.22



Wear eye protection. Be sure keyed washer is directly under the spindle nut and the spindle nut is tight. Feed the workpiece against the rotation of the cutter. Do not use awkward hand positions. Keep fingers away from the revolving cutter. Use fixtures when necessary. Use the overhead guard when the adjustable fence is not in place.

- KEEP GUARDS IN PLACE and in working order.
- **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.
- KEEP THE WORK AREA CLEAN. Cluttered areas and benches invite accidents.
- **DON'T USE IN A DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
- KEEP CHILDREN AWAY. All visitors should be kept a safe distance from the work area.
- MAKE THE WORKSHOP KIDPROOF with padlocks, master swatches, or by removing starter keys.
- **DON'T FORCE THE MACHINE.** It will do the job better and safer at the rate for which it was designed.
- USE THE RIGHT MACHINE. Don't force a machine or attachment to do a job for which it was not designed.
- USE THE 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 machine will draw. An undersized cord will cause a drop in the line voltage resulting in power loss and overheating. The table below shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge, the heavier the cord.

Volts	Total Length of Cord in Feet			
120V	25	50	100	150
240V	50	100	200	300
	AWG			
	16	16	14	12

- 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.
- **ALWAYS USE SAFETY GLASSES.** Also use face or dust masks if the cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses; they are not safety glasses.
- **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 the tool.
- **DON'T OVERREACH.** Keep proper footing and balance at all times.

- **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- ALWAYS DISCONNECT THE MACHINE FROM THE POWER SOURCE BEFORE SERVICING.
- **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure the switch is in the off position before plugging in.
- **USE RECOMMENDED ACCESSORIES**. Consult the operator's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.
- **NEVER STAND ON A MACHINE.** Serious injury could occur if the machine tips or if the blade/cutter is unintentionally contacted.
- 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.
- **DIRECTION OF FEED.** Feed work into the cutter against the direction of rotation of the cutter only.
- **NEVER LEAVE THE MACHINE RUNNING UNATTENDED. TURN POWER OFF.** Don't leave the machine until it comes to a complete stop.
- **DO NOT OPERATE** this machine while tired or under the influence of drugs, alcohol or any medication.
- **DUST CAUTION.** Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
  - Lead from lead based paint.
  - Crystalline silica from bricks, cement and other masonry products.
  - Arsenic and chromium from chemically treated lumber.

Your risk of exposure varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area and work with approved safety equipment, such as face or dust masks that are specifically designed to filter out microscopic particles.

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

## 

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

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

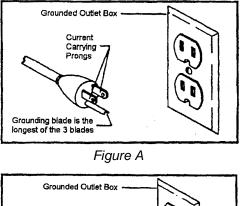
## -- SAVE THESE INSTRUCTIONS --

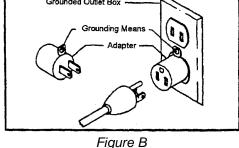
## **Electrical Connections**

AWARNING Electrical connections must be made by a qualified electrician in compliance with all relevant codes. This machine must be properly grounded to help prevent electrical shock and possible fatal injury.

#### **115 Volt Operation**

As received from the factory, your shaper is ready to run at 115 volt operation. This shaper, when wired for 115 volt, is intended for use on a circuit that has an outlet and a plug that looks the one illustrated in Figure A. A temporary adapter, which looks like the adapter as illustrated in Figure B, may be used to connect this plug to a two-pole receptacle, as shown in Figure B if a properly grounded outlet is not available. The temporary adapter should only be used until a properly grounded outlet can be installed by a qualified electrician. This adapter is not applicable in Canada. The green colored rigid ear, lug, or tab, extending from the adapter, must be connected to a permanent ground such as a properly grounded outlet box, as shown in Figure B.



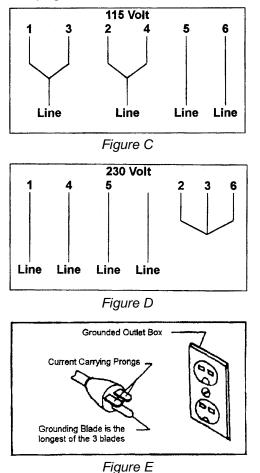


Important: In all cases (115 or 230 volts), make certain the receptacle in question is properly grounded. If you are not sure, have a registered electrician check the receptacle.

#### 230 Volt Operation

If 230V, single phase operation is desired, the following instructions must be followed:

- 1. Disconnect the machine from the power source.
- 2. This shaper is supplied with six motor leads that are connected for 115V operation, as shown in Figure C. Reconnect these six motor leads for 230V operation, as shown in Figure D.
- The 115V attachment plug, supplied with 3. the shaper, must be replaced with a UL/CSA listed plug suitable for 230V operation. This plug is illustrated in Fig. E. Contact your local Authorized JET Service Center or qualified electrician for proper procedures to install the plug. The shaper must comply with all local and national codes after the 230 volt plug is installed.
- 4. The shaper with a 230 volt plug should only be connected to an outlet having the same configuration as illustrated by the grounded outlet box in Figure E. No adapter is available or should be used with the 230 volt plug.



## Introduction

The JET JWS-22CS woodworking shaper you have purchased is a high quality machine tool that will give you years of superior service. You will get maximum performance and enjoyment from your new shaper if you will take a few moments now to review the entire manual before beginning assembly and operation. Become familiar with the details of operation.

The JET JWS-22CS, as well as all JET products, are backed by a nationwide network of authorized distributors and/or service centers. Please contact your nearest distributor should you require parts or service. Parts are also available directly from Walter Meier (Manufacturing) Inc., by calling 1-800-274-6848.

Now that you have purchased a shaper, it is a good time to consider a dust collection system. See your local JET distributor for the complete line of dust collectors and the full line of JET Dust Collector Hoses and Accessories. Customize your installation and obtain maximum performance with JET dust hoods, hoses, clamps, fittings, and blast gates.

## **Specifications**

Model Number	JWS-22CS
Stock Number	
Cutterhead Speed(reversible)(RPM)	
Table Size (in.)	
Table Slot (in.)	
Table Opening Diameter (in.)	5-1/4
Insert Opening Diameter (in.)	1-5/8 and 3-1/4
Fence Size (2) (in.)	
Spindle Capacity (in.)	
Under Nut Capacity (in.)	1/2" Spindle: 2-1/2; 3/4" Spindle: 2-15/16
Spindle Travel (in.)	
Table Height (in.)	
	22-1/4 W x 25-1/2 D x 38-1/2 H
	4
	TEFC, 1 1/2 HP, 1Ph, 115/230V (prewired 115V), 12/6 A, 60Hz
Net Weight (approx.)	
Shipping Weight (approx.)	

The above specifications were current at the time this manual was published, but because of our policy of continuous improvement, Walter Meier reserves the right to change specifications at any time and without prior notice, without incurring obligations.

## **Unpacking and Cleanup**

- 1. Finish removing all contents from the shipping container. Do not discard any shipping material until the shaper is set up and running.
- Inspect contents for shipping damage and report any damage or missing parts to your distributor.
- 3. Clean all protected parts with kerosene. Do not use gasoline, paint thinner, or any cellulose-based solvent. These will damage painted surfaces and melt plastic.

#### **Tools Required for Assembly**

10mm Wrench 14mm Wrench

#### **Contents of the Shipping Container**

1 Shaper

#### **Accessory Package**

- 1 Dust Chute
- 1 Miter Gauge
- 1 Switch Lock Bracket
- 1 ¾" Spindle Assembly
- 1 1/4" Collet w/Nut
- 1 1/2" Collet w/Nut
- 1 Collet Nut
- 1 Spanner Wrench
- 1 8mm Hex Wrench
- 1 6mm Hex Wrench
- 1 3mm Hex Wrench

#### **Dust Chute Assembly**

1. Install dust chute to the fence body with two  $\frac{1}{4}$ " x  $\frac{1}{2}$ " hex cap bolts.

## **Adjustments**

#### **Arbor Removal and Installation**

#### 

All adjustments to the machine must be made with the power off and unplugged from the power source. Failure to comply may result in serious injury.

AWARNING The safety shield has been removed for illustration purposes only! Never operate the shaper without the safety shield. Failure to comply may result in serious injury.

The arbor is mounted to the main spindle with a draw bar and a nut. Use the following procedure to remove the arbor. Reverse the steps to install the arbor.

- 1. Disconnect the machine from the power source.
- 2. Raise the spindle fully by turning handwheel clockwise.
- 3. Open the door by pulling out the latch (A, Fig. 1). Open the door, and release the latch.
- 4. Pull the spindle locking mandrel (A, Fig. 2) out, and turn to lock the main spindle.
- 5. Loosen the draw bar nut (B, Fig. 2) with a 14mm box wrench or adjustable wrench and remove the nut (A, Fig. 3).
- 6. Loosen the hex nut (A, Fig. 4) with the arbor wrench (B, Fig. 3).
- 7. Loosen and remove the spindle (C, Fig. 3).
- 8. Remove the nut (A, Fig. 4) and draw bar (D, Fig. 3) from the spindle.
- 9. Pull the spindle locking mandrel out and turn to release the main spindle.
- 10. Close the door.



Figure 1

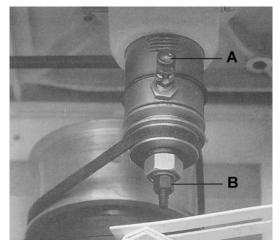


Figure 2

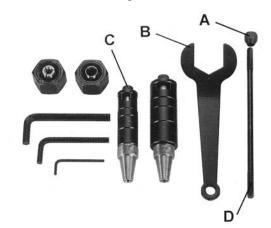


Figure 3



Figure 4

#### **Collet Installation**

- 1. Disconnect machine from the power source.
- To set up the shaper for collet use, remove the arbor and clean the spindle taper (Fig. 5).
- 3. Raise the spindle fully by turning handwheel clockwise.
- 4. Pull the spindle locking mandrel out (A, Fig. 2) and turn to lock the main spindle.
- 5. Screw the collet assembly onto the spindle threads (Fig. 6)
- 6. Insert a router bit into the collet.
- 7. Tighten the collet nut with the arbor wrench.
- 8. Pull the spindle locking mandrel out and turn to release the main spindle.

#### **Fence Adjustments**

- Adjust fence halves by loosening lock knob (A, Fig. 7), turn knurled knob (B, Fig. 7) to adjust fence in or out, and tighten lock knob.
- 2. Adjust spindle guard height by loosening wing nut (C, Fig. 7), sliding guard up or down to desired height, and then tightening wing nut.
- Adjust spindle guard depth by loosening two lock knobs (D, Fig. 7), moving spindle guard to desired position, and then tightening two lock knobs.
- Hold down clamps can be adjusted for height by loosening hex socket cap screws (E, Fig. 7), adjusting the hold down clamps to the desired height, and tightening the hex socket cap screws.



Figure 5



Figure 6

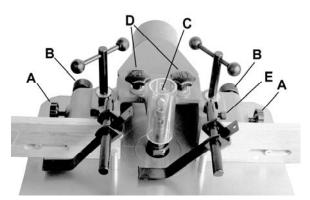


Figure 7

#### **Table Ring Removal and Installation**

To remove the table ring(s):

- 1. Remove any collet or spindle assembly in the spindle.
- 2. Lower the spindle assembly completely.
- 3. Loosen and remove the three 1/4" x 5/8" cross point screws from the ring.
- 4. Lift ring.
- 5. Install the rings back into the table using the "witness" line (alignment indicator line) on the table and the table rings.

## Operation

#### **Spindle Control**

To raise or lower spindle:

- Loosen spindle lock handle counter clockwise (A, Fig. 8). The handle is springloaded; by pulling out you can adjust the positioning.
- 2. Raise or lower spindle to desired height by turning handwheel (B, Fig. 8).
- 3. Tighten spindle lock handle clockwise.

#### Using the Fence as a Guide

Shaping with the fence is the safest and most satisfactory method of working. This method should always be used when work permits. Almost all straight work can be used with the fence.

- 1. For most work, where a portion of the edge of the work is not touched by the cutter, both the front and rear fences are in a straight line, as shown in Figure 9.
- When the shaping operation removes the entire edge of the work (i.e. jointing or making a full bead), the shaped edge will not be supported by the rear fence when both fences are in line as shown in Figure 10. In this case, the work piece should be advanced to the position shown in Figure 10 and stopped.
- 3. The rear fence should be advanced to contact the work as shown in Figure 11. The rear fence will then be in line with the cutting circle.

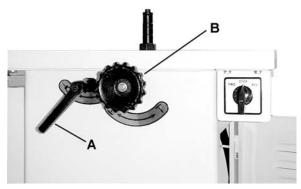


Figure 8

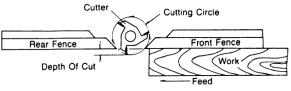


Figure 9

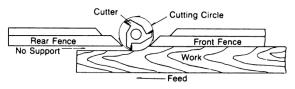


Figure 10

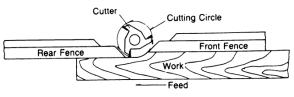
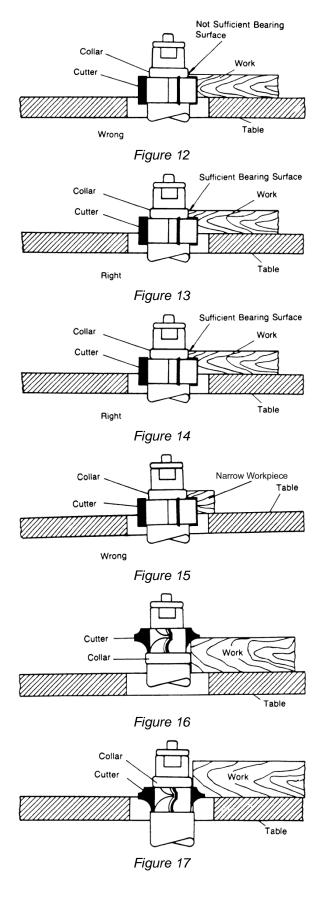


Figure 11

#### Shaping with Collars and Starting Pin

Follow these rules when shaping with collars and starting pin for safest operation and best results:

- 1. Collars must be smooth and free from all gum or other substances.
- 2. The edge of the work must be smooth. Any irregularity in the surface which rides against the collar will be duplicated on the shaped surface.
- A portion of the work's edge must remain untouched by the cutter so that the collar will have sufficient bearing surface. See Figure 12 for an example of insufficient bearing surface. Figure 13 illustrates sufficient bearing surface.
- The work must be fairly heavy in proportion to the cut being made. See Figure 14. Under no circumstances should a small workpiece be shaped against the collars as shown in Figure 15.



#### **Collar Positioning**

Collars may be positioned above, below, or between two cutters:

- When using the collar below the cutter, Figure 16, the progress of the cut can be observed at all times. A disadvantage of this method is any accidental lifting of the work will gouge the wood and ruin the workpiece.
- 2. Using the collar above the cutter, Figure 17, offers the advantage of the cut not being affected by slight variations in the stock's thickness. However, the cut is not visible during the operation. Another advantage is accidental lifting of the work piece will not gouge the work piece. Simply correct the mistake by repeating the operation.

 The collar between cutters method, shown in Figure 18, has both the advantages and disadvantages of the first two methods. This method is used primarily where both edges of the work are to be shaped.

## Cutter Collar Cutter Cutter Table

Figure 18

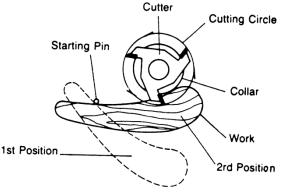
## **Starting Pin**

**AWARNING** Using the starting pin should only be attempted by advanced users! If you have never used this method before, it is recommended you get training from a qualified person who is knowledgeable in starting pin shaping!

#### Failure to comply may cause serious injury!

The starting pin is placed in one of the threaded holes in the table:

- Work should be placed in the first position using the guide pin as support, as shown in Figure 19. Then swing the work into the cutter as shown in the second position. The work will now be supported by the collar and starting pin.
- 2. After the cut has been started, the work is swung free of the starting pin and rides only against the collar as shown in the third position in Figure 20. Always feed against the action of the cutter.





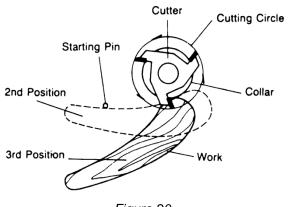


Figure 20

#### Lubrication

To insure easy movement when raising and lowering spindle, occasionally apply a drop of light oil on outside of spindle cartridge.

Spindle cartridge bearings are pre-lubricated and sealed. They need no further care.

# Troubleshooting

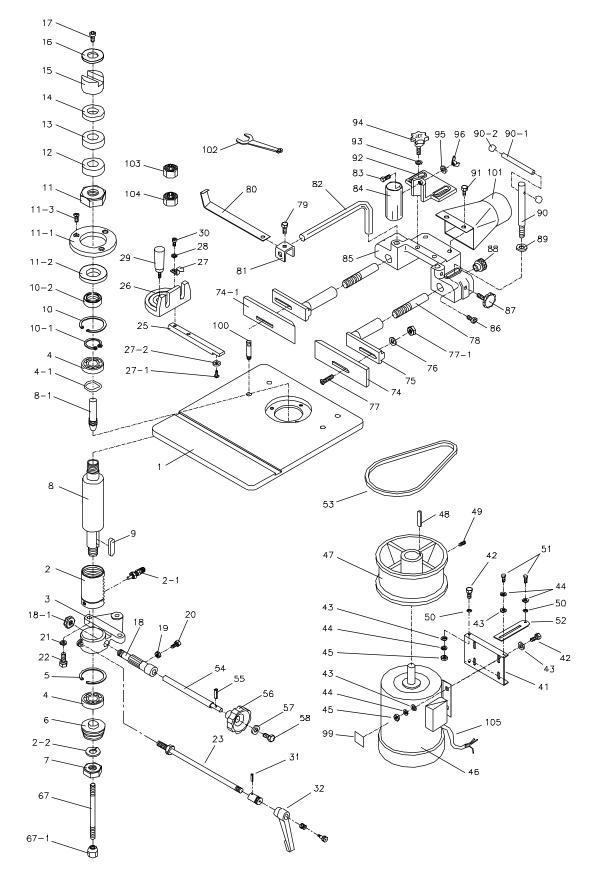
Trouble	Probable Cause	Remedy	
	Cord unplugged from the power source.	Plug in power cord.	
	Fuse blown, or circuit breaker tripped.	Replace fuse, or reset circuit breaker.	
Shaper will not start.	Cord damaged.	Replace cord.	
	Reversing switch is in the OFF position.	Turn switch to forward or reverse.	
	Overload tripped.	Reset overload by depressing red stop button.	
Overload kicks out	Extension cord or wiring inadequate size.	Replace cord or wiring with proper gauge wiring.	
frequently.	Feeding stock too fast.	Reduce stock feed rate.	
	Cutter head is dull.	Use only sharp cutters.	
	Shop wire gauge is too small.	Replace cord or wiring with proper gauge wire.	
	Extension cord too light or too long.	Replace with adequate size cord.	
Cutter does not come	Power source is not adequate.	Contact local electrical utility.	
up to full speed.	Motor not wired for correct voltage.	Refer to motor name plate for correct wiring.	
	Spindle is locked with mandrel lever.	Unlock spindle - see label next to lever on base.	
	Dull cutter.	Replace cutter.	
	Gum or pitch on cutter.	Remove cutter and clean with solvent.	
Cuts are unsatisfactory	Cutterhead rotating in the wrong direction.	Check for proper rotation at start up.	
	Feeding work in the wrong direction.	Feed work against the cutter rotation.	
	Cutterhead damaged.	Replace cutterhead.	
	Stand on uneven surface.	Stand must rest solidly on level surface, bolt to floor if necessary.	
Maahina vihrataa	Defective V-belt.	Replace V-belt.	
Machine vibrates.	V-belt incorrectly tensioned.	Apply proper tension.	
	Bent pulley.	Replace pulley.	
	Motor mounted improperly.	Motor must be properly mounted with snug nuts and bolts.	
Edge splits off on cross grain cut.	Characteristic of this type of cut.	Make cross grain cuts first, then finish cut with the grain.	
		Use scrap block to support end of cut.	

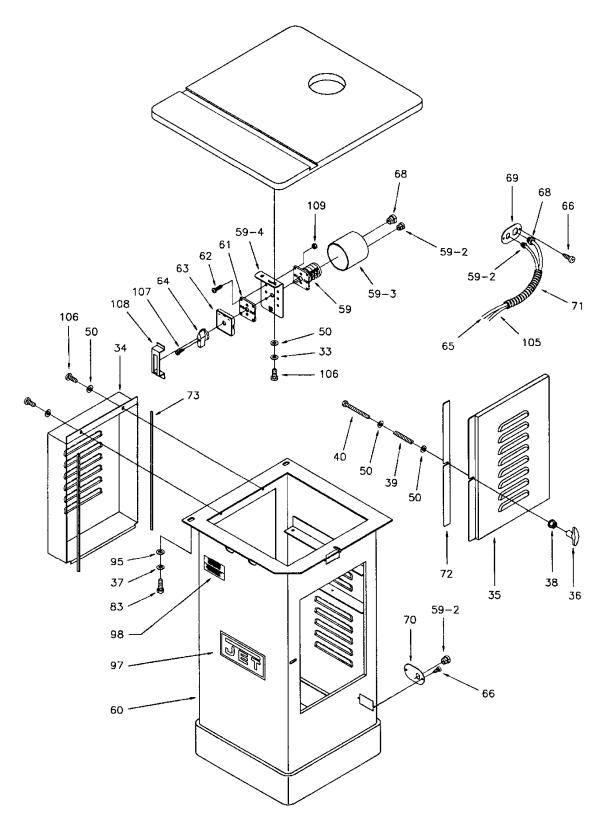
Trouble	Probable Cause	Remedy	
Raised areas on shaped edge.	Variation of pressure holding work against cutter.	Hold work firmly against table and fence. Use hold-downs.	
Work pulled from hand.	Feeding work in the wrong direction.	Always feed work against the rotation of the cutterhead.	
Depth of cut not	Fence misalignment.	Align outfeed fence.	
uniform.	Side pressure not uniform.	Use holddowns; keep constant pressure against fence.	
Work burns.	Cutting too deep on one pass.	On hardwoods take light cuts; attain full depth with several passes.	
	Forcing work.	Feed work slowly and steadily.	
Cut height not uniform.	Variation in pressure holding work to table.	Keep pressure firm throughout pass. Use hold-downs. Make pass slowly and steadily. Keep work under cutter whenever possible.	
	Wrong R.P.M.	Use faster speed.	
	Feeding too fast.	Slow feed speed.	
Cuts not smooth.	Working against the grain.	Work with the grain whenever possible.	
	Cutting too deep on one pass.	Take several passes on very deep cuts.	
Spindle does not raise freely.	Sawdust or dirt in raising mechanism.	Brush or blow out dirt and saw dust. Lubricate regularly.	

## **Replacement Parts**

Replacement parts are listed on the following pages. To order parts or reach our service department, call 1-800-274-6848, Monday through Friday (see our website for business hours, www.waltermeier.com). Having the Model Number and Serial Number of your machine available when you call will allow us to serve you quickly and accurately.

## **Table and Fence Breakdown**





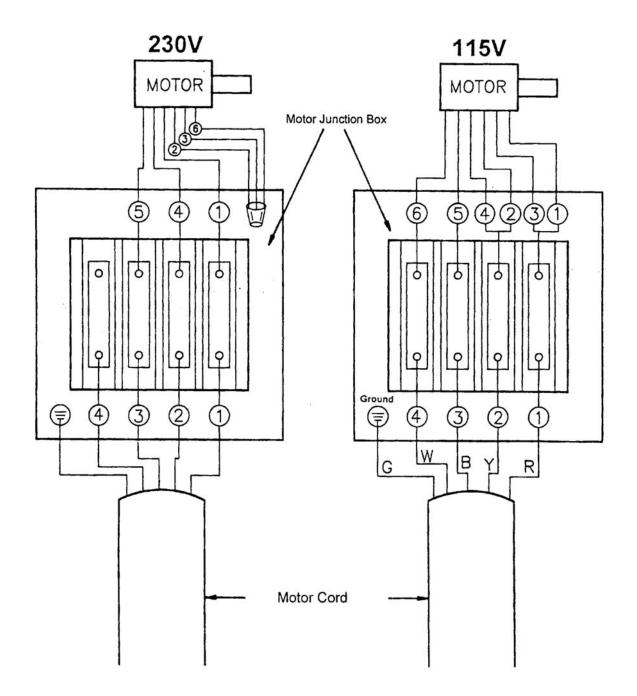
1.         JWS22CS-2         Spindle Housing         1           2.1         JWS22CS-2:1         Spindle Locking Mandrel         1           2.2         JWS22CS-2:2         Lock Washer         M18.5         1           3.         JWS18HO-3         Cutter Spindle Bracket         1         1           4.         BB-6005ZZ         Ball Bearing         2         1         JWS18HO-4-1         Washer         1           5.         JWS18HO-5         Snap Ring         1         1         1         1         1         1         1         3/4x16UNF         1           6.         JWS22CS-6         Pulley         3/4x16UNF         1         1         1         1         1         3/4x16UNF         1         1         1         1         1         1         1         3/4x16UNF         1         1         1         1         1         1         1         1         1         1         1         3/4x16UNF         1 <td< th=""><th>Index No.</th><th>Part No.</th><th>Description</th><th>Size</th><th>Qty</th></td<>	Index No.	Part No.	Description	Size	Qty
2.1.       JWS22CS-2.       Spindle Housing Mandrel.       1         2.2.       JWS22CS-2.2.       Lock Washer       M18.5         3.       JWS18HO-3.       Cutter Spindle Bracket       1         4.       BE-60052Z       Ball Bearing.       2         4.1.       JWS18HO-4.1       Wave Washer       1         5.       JWS18HO-5.       Snap Ring.       1         6.       JWS22CS-6.       Pulley.       1         7.       TS-0661082       Hex Nut.       3/4x16UNF.       1         8.1.       JWS18HO-8.1       Shaft '' (3/4-not shown)       1       1         9.       JWS12CS-9.       Key.       1       1         10.       JWS18HO-10.       Snap Ring (spindle housing).       1       1         10.       JWS18HO-10.       Snap Ring (serial # 0092192 and lower)       1       1         11.       JWS18HO-11.       Table Ring (serial # 0092193 and higher).       1       1       1         11.1.       JWS18HO-12.       Table Ring (serial # 0092193 and higher).       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1	1	. JWS22CS-1	Table		1
2-1       JWS2CS-2-2       Lock Washer					
2-2       JWS22CS-2-2       Löck Washer       M18.5       1         3       JWS18HO-3       Cutter Spirdle Bracket       1         4       BB-6005ZZ       Ball Bearing       2         4-1       JWS18HO-4-1       Wave Washer       1         5       JWS18HO-5       Snap Ring       1         6       JWS22CS-6       Pulley       1         7       TS-0661082       Hax Nut.       3/4x16UNF.       1         8-1       JWS18HO-8-1       Shaft (1/2)       1       1         9       JWS22CS-8       Key.       1       1         10-1       JWS18HO-10       Snap Ring (spindle housing)       1       1         10-2       OS-25478.       Oil Seal       1       1         11-1       JWS18HO-11-1       Hax Nut (spindle)       1       1         11-2       JWS18HO-11-1       Table Ring (serial # 0092192 and lower)       1       1         11-3       JS10TS-7       Phillip's Screw       1/4*x5/8"       3       3         12       JWS18HO-11-1       Table Ring (serial # 0092192 and lower)       1       1         11-3       JS10TS-7       Phillip's Screw       1/4*x5/8"       3					
3.       JWS18HO-3.       Cutter Spindle Bracket       1         4.       BB-6005ZZ       Ball Bearing       2         4.1.       JWS18HO-4-1.       Wave Washer       1         5.       JWS18HO-5.       Snap Ring.       1         6.       JWS22CS-6.       Pulley.       1         7.       TS-0561082       Hex Nut.       3/4x16UNF.       1         8.       JWS22CS-8.       Main Spindle       1         8.1.       JWS18HO-8-1A.       Shaft '1/2.       1         9.       JWS22CS-9.       Key.       1         10.       JWS18HO-10.       Snap Ring (spindle housing).       1         10.1.       JWS18HO-11.       Snap Ring (spindle housing).       1         11.1.       JWS18HO-11.       Table Ring (serial # 0092192 and lower).       1         11.1.       JWS18HO-11.       Table Ring (serial # 0092193 and higher).       1         11.1.       JWS18HO-12.       Spacer '1 (3/4-not shown)       1.00.       1         11.2.       JWS18HO-12.       Spacer '' (3/4-not shown)       1.00.       1         JWS18HO-12A.       Spacer '' (3/4-not shown)       0.050.       1       1         JWS18HO-13A.       Spacer '' (3/4-not sh					
4.1.         JWS18HO-41.         Wave Washer         1           5JWS18HO-5.         Snap Ring         1           6JWS22CS-6.         Pulley         1           7TS-0561082         Hex Nut.         3/4x16UNF           8JWS18HO-8.         Shaft (1/2).         1           9JWS18HO-8.1         Shaft (1/2).         1           1JWS18HO-8.1         Shaft (1/2).         1           1JWS18HO-10.         Snap Ring (spindle housing).         1           10JWS18HO-10.1.         Snap Ring (main spindle).         1           10.2.         OS-25478.         Oil Seal.         1           11.1.JWS18HO-11.         Table Ring (serial # 0092192 and lower).         1           11.1.JWS18HO-11.         Table Ring (serial # 0092193 and higher).         1           11.3.         JSL10TS-7         Phillip's Screw         1/4'x5/8"         3           12.JWS18HO-12.         Spacer (1/2).         80.         1           JWS18HO-13.         Spacer (1/2).         60.         1           JWS18HO-14.         Spacer * (3/4-not shown)         1.00.         1           13.JWS18HO-15.         Fixed Bushing (1/2).         40.         1           JWS18HO-14.         Spacer * (3/4-not					
4-1       JWS18HO-4-1       Wave Washer       1         5       JWS18HO-5       Snap Ring       1         6       JWS22CS-6       Pulley       1         7       TS-0561082       Hex Nut       3/4x16UNF       1         8       JWS22CS-8       Main Spindle       1       1         8-1       JWS18HO-8-1       Shaft (1/2)       1       1         9       JWS18HO-1A       Snap Ring (spindle housing)       1       1         10-1       JWS18HO-10       Snap Ring (main spindle)       1       1         10-2       OS-25478.       Oil Seal       1       1         11-3       JWS18HO-11-1       Table Ring (serial # 0092192 and lower).       1         11-4       JWS18HO-11-1       Table Ring (serial # 0092193 and higher)       1         11-2       JWS18HO-12       Spacer * (3/4-not shown)       1.00       1         11-2       JWS18HO-12       Spacer * (3/4-not shown)       1.00       1         12-2       JWS18HO-13A       Spacer ** (3/4-not shown)       0.50       1         13       JWS18HO-14A       Spacer ** (3/4-not shown)       0.50       1         14       JWS18HO-15A       Spacer ** (3/4-not shown)					
5.       JWS18HO-5.       Snap Ring.       1         6.       JWS22CS-6.       Pulley.       1         7.       TS-0561082       Hex Nut.       3/4x16UNF       1         8.       JWS18HO-8-1.       Shaft 1/(2).       1         9.       JWS18HO-8-1.       Shaft ** (3/4-not shown).       1         9.       JWS22CS-9.       Key.       1         10.       JWS18HO-10.       Snap Ring (spindle housing).       1         10.       JWS18HO-10.1.       Snap Ring (main spindle).       1         10.2.       OS-25478.       Oil Seal.       1         11.1.       JWS18HO-11.1.       Table Ring (serial # 0092192 and lower).       1         11.1.       JWS18HO-11.7.       Table Ring (serial # 0092192 and lower).       1         11.1.       JWS18HO-11.7.       Table Ring serial # 0092192 and lower).       1         11.1.       JWS18HO-11.7.       Table Ring serial # 0092192 and lower).       1         11.1.       JWS18HO-11.7.       Table Ring serial # 0092192 and lower).       1         11.1.       JWS18HO-11.8.       Spacer (1/2).       80.       1         11.3.       JSL10TS-7.       Phillip's Screw.       1.04'x5/8'.       3         12.					
6.       JWS22CS-6       Pulley					
7					
8.       JWS22CS-8.       Main Spindle       1         8-1.       JWS18HO-8-1       Shaft '1/2)       1         JWS18HO-8-1A.       Shaft *' (3/4-not shown)       1         9.       JWS22CS-9       Key       1         10.       JWS18HO-10.       Snap Ring (spindle housing)       1         10-1       JWS18HO-10.       Snap Ring (main spindle)       1         11.       JWS18HO-11.       Hex Nut (spindle)       1         11.       JWS18HO-11.       Table Ring (serial # 0092192 and lower)       1         11.1.       JWS18HO-11.       Table Ring (serial # 0092193 and higher)       1         11.2.       JWS18HO-12.       Table Ring (serial # 0092193 and higher)       1         11.3.       JSL10TS-7.       Phillip's Screw       1/4"x5/8"       3         12.       JWS18HO-12.       Spacer (1/2)       80       1         JWS18HO-13.       Spacer *' (3/4-not shown)       1.00       1       JWS18HO-13.       Spacer *' (3/4-not shown)       1.00         13.       JWS18HO-15.       Fixed Bushing *' (3/4-not shown)       .05.0       1         14.       JWS18HO-16.       Kayeer *' (3/4-not shown)       .05.0       1         14.       JWS18HO-16.					
8-1.       JWS18HO-8-1       Shaft ** (3/4-not shown)       1         9.       JWS22CS-9       Key       1         10.       JWS12HO-8-1A       Shaft ** (3/4-not shown)       1         10.       JWS12HO-10       Snap Ring (main spindle)       1         10.1.       JWS18HO-101       Snap Ring (main spindle)       1         11.1.       JWS18HO-11.       Table Ring (serial # 0092192 and lower)       1         11.1.       JWS18HO-11-1.       Table Ring (serial # 0092192 and higher)       1         11.1.       JWS18HO-11-2.       Table Ring (serial # 0092192 and higher)       1         11.2.       JWS18HO-12.       Spacer *(1/2)       80       1         JWS18HO-12.       Spacer ** (3/4-not shown)       1.00       1         JWS18HO-13.       Spacer ** (3/4-not shown)       1.00       1         JWS18HO-14.       Spacer ** (3/4-not shown)       0.50       1         JWS18HO-15.       Fixed Bushing (1/2)       .40       1         JWS18HO-16.       Fixed Bushing (1/2)       .40       1         JWS18HO-16.       Washer *(1/2)       .40       1         JWS18HO-16.       Fixed Bushing (1/2)       .51/16x1       1         JWS18HO-16.       Fixed					
JWS18HO-8-1A.       Shaft ** (3/4-not shown)       1         9JWS22CS-9       Key       1         10JWS18HO-10.       Snap Ring (spindle housing)       1         10JWS18HO-10.1       Snap Ring (main spindle)       1         11JWS18HO-11.       Table Ring (serial # 0092192 and lower)       1         11JWS18HO-11.1       Table Ring (serial # 0092192 and lower)       1         11JWS18HO-11.2       Table Ring (serial # 0092192 and lower)       1         11.1       JWS18HO-11.2       Table Ring (serial # 0092192 and lower)       1         11.2       JWS18HO-11.2       Table Ring (serial # 0092192 and lower)       1         11.2       JWS18HO-11.2       Table Ring (serial # 0092192 and lower)       1         11.3       JSL10TS-7       Phillip's Screw       1/4'x5/8"       3         12       JWS18HO-12A       Spacer ** (3/4-not shown)       1.00       1         13JWS18HO-13       Spacer ** (3/4-not shown)       75       1         14JWS18HO-14A       Spacer ** (3/4-not shown)       0.50       1         15JWS18HO-15A       Fixed Bushing (1/2)       1       1         14A.JWS18HO-16A       Washer ** (3/4-not shown)       3/8       1         16       JWS18HO-18A	0	IV/91000 0 1	Shoft (1/2)		1
9.       JWS22CS-9       Key       1         10.       JWS18HO-10       Snap Ring (main spindle)       1         10-1       JWS18HO-10-1       Snap Ring (main spindle)       1         11.       JWS18HO-11-1       Table Ring (serial # 0092192 and lower)       1         11.1       JWS18HO-11-1       Table Ring (serial # 0092192 and lower)       1         11.1       JWS18HO-11-2       Table Ring (serial # 0092192 and lower)       1         11.2       JWS18HO-11-2       Table Ring (serial # 0092193 and higher)       1         11.2       JWS18HO-11-2       Table Ring (serial # 0092192 and lower)       1         11.3       JSL10TS-7       Phillip's Screw       1/4'x5/8"       3         12       JWS18HO-12A       Spacer ** (3/4-not shown)       1.00       1         13       JWS18HO-13A       Spacer ** (3/4-not shown)       1.00       1         14       JWS18HO-14A       Spacer ** (3/4-not shown)       0.50       1         15       JWS18HO-15A       Fixed Bushing (*1/2)       40       1         14       JWS18HO-16A       Washer ** (3/4-not shown)       1       1         15       JWS18HO-16A       Washer ** (3/4-not shown)       1       1         1	0-1		Shoft ** $(2/4$ not shown)		I 1
10.       JWS18HO-10.       Snap Ring (spindle housing)       1         10-1       JWS18HO-10.1       Snap Ring (main spindle)       1         11.       JWS18HO-11.       Hax Nut (spindle)       1         11.1       JWS18HO-11.1       Table Ring (serial # 0092192 and lower)       1         11.1       JWS18HO-11.1       Table Ring (serial # 0092192 and lower)       1         11.2       JWS18HO-11.2       Table Ring (serial # 0092192 and lower)       1         11.3       JSL10TS-7       Phillip's Screw       1/4'x5/8"       3         12.       JWS18HO-12A       Spacer (1/2)       80       1					
10-1       JWS18HO-10-1       Snap Ring (main spindle)       1         10-2       OS-25478.       Oil Seal       1         11       JWS18HO-11       Hex Nut (spindle).       1         11.1       JWS18HO-11.1       Table Ring (serial # 0092192 and lower).       1         11.1       JWS18HO-11-1N.       Table Ring (serial # 0092193 and higher).       1         11.2       JWS18HO-11-2       Table Ring       1         11.3       JK10TS-7       Phillip's Screw       1/4"x5/8"       3         12       JWS18HO-12       Spacer * (3/4-not shown)       1.00       1         13       JWS18HO-13A       Spacer * (3/4-not shown)       1.00       1         14       JWS18HO-13A       Spacer (1/2)       .40       1         14.3       JWS18HO-14A       Spacer (1/2)       .40       1         14.4       JWS18HO-15A       Fixed Bushing (1/2)       .40       1         15.       JWS18HO-16A       Washer * (3/4-not shown)       1       1         16.       JWS18HO-16A       Washer * (3/4-not shown)       1       1         17.       TS-0208061       Hex Cap Bolt * (3/4-not shown)       1       1         17.       TS-0208061					
10-2       OS-25478.       Oil Seal       1         11-1       JWS18HO-11       Hex Nut (spindle)       1         11-1       JWS18HO-11-1       Table Ring (serial # 0092192 and lower)       1         11-1       JWS18HO-11-1       Table Ring (serial # 0092192 and lower)       1         11-2       JWS18HO-11-2       Table Ring (serial # 0092193 and higher)       1         11-2       JWS18HO-11-2       Table Ring (serial # 0092193 and higher)       1         11-2       JWS18HO-11-2       Table Ring (serial # 0092193 and higher)       1         11-3       JSL10TS-7       Phillip's Screw       1/4*x5/8"       3         12       JWS18HO-12A       Spacer (1/2)       60       1         JWS18HO-13       Spacer (1/2)       60       1         13       JWS18HO-13       Spacer (1/2)       40       1         14A       JWS18HO-14       Spacer (1/2)       40       1         14A       JWS18HO-15       Fixed Bushing (1/2)       1       1         JWS18HO-16       Vasher (1/2)       1       1       1         JWS18HO-16       Washer (1/2)       1       1       1         JWS18HO-16       Hex Cap Bolt (1/2)       5/16x1       1					
11.       JWS18HO-11       Hex Nut (spindle).       1         11-1       JWS18HO-11-1N.       Table Ring (serial # 0092 192 and lower).       1         11-2       JWS18HO-11-1N.       Table Ring (serial # 0092 193 and higher).       1         11-2       JWS18HO-11-2.       Table Ring (serial # 0092 193 and higher).       1         11-2       JWS18HO-11-2.       Table Ring (serial # 0092 193 and higher).       1         11-3       JELIOTS-7.       Phillip's Screw       1/4*x5/8".       3         12       JWS18HO-12       Spacer (1/2)       80       1         JWS18HO-13A       Spacer (1/2)       40       1         14       JWS18HO-14A       Spacer (1/2)       40       1         14A       JWS18HO-15A       Fixed Bushing (1/2)       40       1         15       JWS18HO-15A       Fixed Bushing (1/2)       40       1         16       JWS18HO-16A       Washer (1/2)       5/16x1       1         JWS18HO-16A       Washer (1/2)       5/16x1       1         TS-0209051       Hex Cap Bolt (1/2)       5/16x1       1         TS-0209051       Hex Cap Bolt (1/2)       5/16x1       1         18       JWS18HO-18-1       Nut       1/2-20 UNF </td <td>10-1</td> <td>. JWS18HO-10-1</td> <td></td> <td></td> <td>1</td>	10-1	. JWS18HO-10-1			1
11-1       JWS18HO-11-1       Table Ring (serial # 0092192 and lower)       1         11-1       JWS18HO-11-1       Table Ring       1         11-2       JWS18HO-11-2       Table Ring       1         11-3       JSL10TS-7       Phillip's Screw       1/4"x5/8"       3         12       JWS18HO-12       Spacer (1/2)       80       1         JWS18HO-12A       Spacer * (3/4-not shown)       1.00       1         13       JWS18HO-13       Spacer * (3/4-not shown)       75       1         14       JWS18HO-14       Spacer * (3/4-not shown)       0.50       1         14       JWS18HO-15A       Fixed Bushing (1/2)       40       1         14A.       JWS18HO-15A       Fixed Bushing * (3/4-not shown)       0.50       1         15       JWS18HO-15A       Fixed Bushing * (3/4-not shown)       1       1         16       JWS18HO-16       Washer ** (3/4-not shown)       1       1         17       TS-0208061       Hex Cap Bolt (1/2)       5/16x1       1         18       JWS18HO-18       Quill       1       1         18-1       JWS18HO-18       Quill       1       1         18-1       JWS18HO-18       Quill					
11-1.       JWS18HO-11-1N Table Ring (serial # 0092193 and higher)	11	. JWS18HO-11	Hex Nut (spindle)		1
11-2.       JWS18HO-11-2.       Table Ring       1         11-3.       JSL10TS-7.       Phillip's Screw       1/4"x5/8"       3         12.       JWS18HO-12.       Spacer (1/2)       80       1         13.       JWS18HO-12.       Spacer (1/2)       60       1         14.       JWS18HO-13.       Spacer (1/2)       60       1         15.       JWS18HO-13.       Spacer (1/2)       40       40         14.       JWS18HO-14.       Spacer ** (3/4-not shown)       0.50       1         15.       JWS18HO-15.       Fixed Bushing (1/2)       1       1         16.       JWS18HO-16.       Washer (1/2)       1       1         17.       TS-0208061       Hex Cap Bolt (1/2)       5/16x1       1         18.       JWS18HO-18.       Quill       1       1         17.       TS-0208061       Hex Cap Bolt (1/2)       5/16x1       1         18.       JWS18HO-18.       Quill       1       1         18.       JWS18HO-18.       Quill       1       1         18.       JWS18HO-18.       Quill       1       1         19.       TS-0561021       Hex Nut.       5/16x5/8. <td< td=""><td>11-1</td><td>. JWS18HO-11-1</td><td> Table Ring (serial # 0092192 and lower)</td><td></td><td>1</td></td<>	11-1	. JWS18HO-11-1	Table Ring (serial # 0092192 and lower)		1
11-3JSL10TS-7Phillip's Screw       1/4"x5/8"       3         12JWS18HO-12       Spacer (1/2)       80       1        JWS18HO-12ASpacer ** (3/4-not shown)       1.00       1         13JWS18HO-13ASpacer ** (3/4-not shown)       75       1         14JWS18HO-14ASpacer ** (3/4-not shown)       75       1         14JWS18HO-14ASpacer ** (3/4-not shown)       0.50       1         15JWS18HO-15Fixed Bushing (1/2)       40       1         16JWS18HO-16AWasher (1/2)       1       1        JWS18HO-16AWasher (1/2)       5/16x1       1        JWS18HO-16AWasher ** (3/4-not shown)       3/81       1         16JWS18HO-16AWasher ** (3/4-not shown)       3/81       1        JWS18HO-16AWasher ** (3/4-not shown)       3/81       1        JWS18HO-16AWasher ** (3/4-not shown)       3/81       1        JWS18HO-18AWasher ** (3/4-not shown)       3/81       1					
12.       JWS18HO-12       Spacer '1/2)       .80.       1         JWS18HO-12A       Spacer ** (3/4-not shown)       1.00.       1         13.       JWS18HO-13A       Spacer ** (3/4-not shown)       .60.       1         14.       JWS18HO-13A       Spacer ** (3/4-not shown)       .75.       1         14.       JWS18HO-14A       Spacer ** (3/4-not shown)       0.50.       1         14.       JWS18HO-14A       Spacer ** (3/4-not shown)       0.50.       1         15.       JWS18HO-15A       Fixed Bushing 1/2)       .11       .11         JWS18HO-16A       Washer ** (3/4-not shown)       .16       .15       .11         JWS18HO-16A       Washer ** (3/4-not shown)       .11       .16       .15       .14       .15       .14       .16       .15       .16       .11       .17       .15       .16       .11       .16       .15       .16       .11       .17       .16       .16       .16       .16       .16       .16       .16       .16       .16       .16       .16       .16       .16       .17       .16       .16       .16       .16       .16       .16       .16       .17       .16       .16       .16       .1					
JWS18HO-12A       Spacer ** (3/4-not shown)       1.00       1         13       JWS18HO-13       Spacer (1/2)       60       1        JWS18HO-13A       Spacer (1/2)       40       1         14       JWS18HO-14A       Spacer ** (3/4-not shown)       0.50       1         14A       JWS18HO-14A       Spacer ** (3/4-not shown)       0.50       1         15       JWS18HO-15       Fixed Bushing (1/2)       1       1        JWS18HO-16       Washer (1/2)       1       1       1        JWS18HO-16A       Washer (1/2)       1       1       1        JWS18HO-16A       Washer (1/2)       1       1       1       1        JWS18HO-16A       Washer (1/2)       1					
13.       JWS18HO-13       Spacer ** (3/4-not shown)       60.       1         JWS18HO-13A       Spacer ** (3/4-not shown)       75.       1         14.       JWS18HO-14A       Spacer (1/2)       40.       1         14A.       JWS18HO-14A       Spacer (1/2)       40.       1         15.       JWS18HO-15A       Fixed Bushing (1/2).       1       1         JWS18HO-16A       Washer (1/2)       1       1       1         JWS18HO-16A       Washer (1/2)       1       1       1         JWS18HO-16A       Washer ** (3/4-not shown)       1       1       1         TS-0208061       Hex Cap Bolt (1/2)       5/16x1       1       1         TS-0209051       Hex Cap Bolt ** (3/4-not shown)       3/8x1       1       1         18.       JWS18HO-18.       Quill       1					
JWS18HO-13A       Spacer ** (3/4-not shown)       .75       1         14       JWS18HO-14       Spacer (1/2)       .40       1         14A       JWS18HO-14A       Spacer ** (3/4-not shown)       .0.50       .1         15       JWS18HO-15A       Fixed Bushing (1/2)       .1        JWS18HO-15A       Fixed Bushing ** (3/4-not shown)       .1         16       JWS18HO-16       Washer (1/2)       .1        JWS18HO-16A       Washer ** (3/4-not shown)       .1         17       TS-0208061       Hex Cap Bolt (1/2)       .5/16x1        TS-0209051       Hex Cap Bolt ** (3/4-not shown)       .3/8x1       .1         18       JWS18HO-18       Quill       .1       .1         18-1       JWS18HO-18-1       Nut       .1/2-20 UNF       .1         19       TS-0561021       Hex Nut       .5/16       .1         20       TS-0051031       Hex Head Bolt       .5/16x5/8       .1         21       JWS18HO-21       Lock Washer       .1/2       .3         22       TS-0070041       Hex Cap Bolt       .1/2.1-3/4       .3         23       JWS12CS-23       Lock Bar       .1       .1         24					
14.       JWS18HO-14.       Spacer (1/2)       40.       1         14A.       JWS18HO-14A.       Spacer ** (3/4-not shown)       0.50.       1         15.       JWS18HO-15.       Fixed Bushing (1/2)       1	13	. JWS18HO-13	Spacer (1/2)	60	1
14.       JWS18HO-14.       Spacer (1/2)       40.       1         14A.       JWS18HO-14A.       Spacer ** (3/4-not shown)       0.50.       1         15.       JWS18HO-15.       Fixed Bushing (1/2)       1		. JWS18HO-13A	Spacer ** (3/4-not shown)	75	1
15.       JWS18HO-15       Fixed Bushing (1/2).       1         JWS18HO-15A       Fixed Bushing ** (3/4-not shown)       1         16.       JWS18HO-16       Washer (1/2)       1          JWS18HO-16A       Washer ** (3/4-not shown)       1         17.       TS-0208061       Hex Cap Bolt (1/2)       .5/16x1       1         18.       JWS18HO-18       Quill       1       1         18.       JWS18HO-18.       Quill       1       1         19.       TS-0561021       Hex Nut       .1/2-20 UNF       1         19.       TS-0551031       Hex Head Bolt       .5/16x5/8       1         21.       JWS18HO-21       Lock Washer       1/2       3         22.       TS-0070041       Hex Cap Bolt       1/2x1-3/4       3         23.       JWS22CS-23       Lock Bar       1       1         26.       JSL10TS-6       Guide Plate       1       1         27-1       JWS18HO-27       Plate       1       1         27-2       JWS18HO-27.1       Flat Head Screw       3/16x1/4       1         27-2       JWS18HO-30       Screw       3/16x1/4       1         30.					
JWS18H0-15A       Fixed Bushing ** (3/4-not shown)       1         16.       JWS18HO-16       Washer (1/2)       1        JWS18HO-16A       Washer ** (3/4-not shown)       1         17.       TS-0208061       Hex Cap Bolt (1/2)       5/16x1       1         18.       JWS18HO-18       Quill       1       1         18.1       JWS18HO-18.1       Nut       1/2-20 UNF       1         19.       TS-0561021       Hex Nut       5/16       1         20.       TS-0051031       Hex Head Bolt       5/16x5/8       1         21.       JWS18HO-21       Lock Washer       1/2       3         22.       TS-0070041       Hex Cap Bolt       1/2x1-3/4       3         23.       JWS22CS-23       Lock Bar       1       1         25.       JSL10TS-6       Guide Plate       1       1         26.       JSL10TS-3       Miter Gauge Body       1       1         27-1       JWS18HO-27       Plate       1       1         27-2       JWS18HO-27.2       Washer       1       1         28.       JWS18HO-30       Screw       3/16x1/4       1         30.       JWS18HO-30	14A	. JWS18HO-14A	Spacer ** (3/4-not shown)	0.50	1
JWS18H0-15A       Fixed Bushing ** (3/4-not shown)       1         16.       JWS18HO-16       Washer (1/2)       1        JWS18HO-16A       Washer ** (3/4-not shown)       1         17.       TS-0208061       Hex Cap Bolt (1/2)       5/16x1       1         18.       JWS18HO-18       Quill       1       1         18.1       JWS18HO-18.1       Nut       1/2-20 UNF       1         19.       TS-0561021       Hex Nut       5/16       1         20.       TS-0051031       Hex Head Bolt       5/16x5/8       1         21.       JWS18HO-21       Lock Washer       1/2       3         22.       TS-0070041       Hex Cap Bolt       1/2x1-3/4       3         23.       JWS22CS-23       Lock Bar       1       1         25.       JSL10TS-6       Guide Plate       1       1         26.       JSL10TS-3       Miter Gauge Body       1       1         27-1       JWS18HO-27       Plate       1       1         27-2       JWS18HO-27.2       Washer       1       1         28.       JWS18HO-30       Screw       3/16x1/4       1         30.       JWS18HO-30	15	. JWS18HO-15	Fixed Bushing (1/2)		1
16.       JWS18HO-16       Washer (1/2)       1         JWS18HO-16A       Washer ** (3/4-not shown)       1         17.       TS-0208061       Hex Cap Bolt (1/2)       5/16x1       1          TS-0209051       Hex Cap Bolt (1/2)       5/16x1       1          TS-0209051       Hex Cap Bolt ** (3/4-not shown)        3/8x1       1         18.       JWS18HO-18       Quill       1       1       1         18-1       JWS18HO-18-1       Nut       1/2-20 UNF       1         19.       TS-0561021       Hex Nut       5/16       1         20.       TS-0051031       Hex Head Bolt       5/16x5/8       1         21.       JWS18HO-21       Lock Washer       1/2       3         22.       TS-0070041       Hex Cap Bolt       1/2x1-3/4       3         23.       JWS22CS-23       Lock Bar       1       1         25.       JSL10TS-6       Guide Plate       1       1         26.       JSL10TS-3       Miter Gauge Body       1       1         27-1       JWS18HO-27-1       Flat Head Screw       3/16x1/4       1         27.       JWS18HO-28       Washer		. JWS18H0-15A	Fixed Bushing ** (3/4-not shown)		1
JWS18HO-16A       Washer ** (3/4-not shown)       1         17.       TS-0208061       Hex Cap Bolt (1/2)       .5/16x1       1         18.       JWS18HO-18       Quill       1       1         18.       JWS18HO-18       Quill       1         19.       TS-0561021       Hex Nut       .5/16       1         20.       TS-0561021       Hex Nut       .5/16       1         21.       JWS18HO-18-1       Nut       .5/16       1         22.       TS-05051031       Hex Nut       .5/16       1         23.       JWS18HO-21       Lock Washer       .1/2       3         24.       JWS18HO-21       Lock Washer       .1/2       3         25.       JSL10TS-6       Guide Plate       1       1         26.       JSL10TS-3       Miter Gauge Body       1       1         27-1       JWS18HO-27-1       Flat Head Screw       .3/16x1/4       1         27-2       JWS18HO-28       Washer       1       1         28.       JWS18HO-28       Washer       1       1         29.       JSL10TS-1       Knob       1       1         30.       JWS18HO-28       W	16	. JWS18HO-16	Washer (1/2)		1
17					
TS-0209051       Hex Cap Bolt ** (3/4-not shown)       3/8x1       1         18       JWS18HO-18       Quill       1         18-1       JWS18HO-18-1       Nut       1/2-20 UNF       1         19       TS-0561021       Hex Nut       5/16       1         20       TS-0051031       Hex Nut       5/16       1         21       JWS18HO-21       Lock Washer       1/2       3         22       TS-0070041       Hex Cap Bolt       1/2x1-3/4       3         23       JWS22CS-23       Lock Bar       1         25       JSL10TS-6       Guide Plate       1         26       JSL10TS-3       Miter Gauge Body       1       1         27.1       JWS18HO-27       Plate       1       1         27.2       JWS18HO-27-1       Flat Head Screw       3/16x1/4       1         27.2       JWS18HO-28       Washer       1       1         28       JWS18HO-30       Screw       3/16x1/4       1         30       JWS18HO-30       Screw       3/16x1/4       1         31       JWS22CS-31       Spring Pin       M3x19       1         32       JWS22CS-32       Lock Washer					
18.       JWS18HO-18.       Quill       1         18-1.       JWS18HO-18-1       Nut       1/2-20 UNF       1         19.       TS-0561021       Hex Nut.       5/16       1         20.       TS-0051031       Hex Head Bolt       5/16x5/8       1         21.       JWS18HO-21       Lock Washer       1/2       3         22.       TS-0070041       Hex Cap Bolt       1/2x1-3/4       3         23.       JWS22CS-23       Lock Bar       1         25.       JSL10TS-6       Guide Plate       1         26.       JSL10TS-6       Guide Plate       1         26.       JSL10TS-7       Plate       1         27.       JWS18HO-27       Plate       1         27.       JWS18HO-27-1       Flat Head Screw       3/16x1/4       1         27.       JWS18HO-28       Washer       1       1         28.       JWS18HO-30       Screw       3/16x1/4       1         30.       JWS18HO-30       Screw       3/16x1/4       1         31.       JWS22CS-31       Spring Pin       M3x19       1         32.       JWS22CS-32       Lock Washer       1/4       2					
18-1JWS18HO-18-1       .Nut       .1/2-20 UNF       .1         19TS-0561021       .Hex Nut       .5/16       .1         20TS-0051031       .Hex Head Bolt       .5/16x5/8       .1         21JWS18HO-21       .Lock Washer       .1/2       .3         22TS-0070041       .Hex Cap Bolt       .1/2x1-3/4       .3         23JWS22CS-23       .Lock Bar       .1       .1         25JSL10TS-6       .Guide Plate       .1       .1         26JSL10TS-3       .Miter Gauge Body       .1       .1         27JWS18HO-27       .Plate       .1       .1         27JWS18HO-27-1       .Flat Head Screw       .3/16x1/4       .1         27.2.JWS18HO-27-2       .Washer (special)       .1       .1         28JWS18HO-28       .Washer       .1       .1         29JSL10TS-1       .Knob       .1       .1         30JWS18HO-30       .Screw       .3/16x1/4       .1         31JWS22CS-31       .Spring Pin       .M3x19       .1         32JWS22CS-32       .Lock Washer       .1/4       .2         34JWS22CS-34       .Motor Cover       .1/4       .1	18	.IWS18HO-18			1
19.       TS-0561021       Hex Nut.       5/16       1         20.       TS-0051031       Hex Head Bolt       5/16x5/8       1         21.       JWS18HO-21       Lock Washer       1/2       3         22.       TS-0070041       Hex Cap Bolt       1/2x1-3/4       3         23.       JWS22CS-23       Lock Bar       1       1/2x1-3/4       3         25.       JSL10TS-6       Guide Plate       1       1         26.       JSL10TS-3       Miter Gauge Body       1       1         27.       JWS18HO-27       Plate       1       1         27.1       JWS18HO-27-1       Flat Head Screw       3/16x1/4       1         27.2       JWS18HO-28       Washer       1       1         29.       JSL10TS-1       Knob       1       1         30.       JWS18HO-30       Screw       3/16x1/4       1         31.       JWS22CS-31       Spring Pin       M3x19       1         32.       JWS22CS-32       Lock Handle       1       1         33.       TS-0680041       Lock Washer       1/4       2         34.       JWS22CS-34       Motor Cover       1/4       1<					
20.       TS-0051031       Hex Head Bolt       5/16x5/8       1         21.       JWS18HO-21       Lock Washer       1/2       3         22.       TS-0070041       Hex Cap Bolt       1/2x1-3/4       3         23.       JWS22CS-23       Lock Bar       1       1/2x1-3/4       3         25.       JSL10TS-6       Guide Plate       1       1         26.       JSL10TS-3       Miter Gauge Body       1       1         27.       JWS18HO-27       Plate       1       1         27.1       JWS18HO-27-1       Flat Head Screw       3/16x1/4       1         27.2       JWS18HO-27-2       Washer (special)       1       1         28.       JWS18HO-28       Washer       1       1         29.       JSL10TS-1       Knob       1       1         30.       JWS18HO-30       Screw       3/16x1/4       1         31.       JWS22CS-31       Spring Pin       M3x19       1         32.       JWS22CS-32       Lock Handle       1       1         33.       TS-0680041       Lock Washer       1/4       2         34.       JWS22CS-34       Motor Cover       1/4					
21       JWS18HO-21       Lock Washer       1/2       3         22       TS-0070041       Hex Cap Bolt       1/2x1-3/4       3         23       JWS22CS-23       Lock Bar       1         25       JSL10TS-6       Guide Plate       1         26       JSL10TS-3       Miter Gauge Body       1         27       JWS18HO-27       Plate       1         27-1       JWS18HO-27-1       Flat Head Screw       3/16x1/4       1         27-2       JWS18HO-27-2       Washer (special)       1       1         28       JWS18HO-28       Washer       1       1         29       JSL10TS-1       Knob       1       1         30       JWS18HO-30       Screw       3/16x1/4       1         31       JWS22CS-31       Spring Pin       M3x19       1         32       JWS22CS-32       Lock Handle       1       1         33       TS-0680041       Lock Washer       1/4       2         34       JWS22CS-34       Motor Cover       1/4       2					
22.       TS-0070041       Hex Cap Bolt       1/2x1-3/4					
23JWS22CS-23Lock Bar       1         25JSL10TS-6       Guide Plate         26JSL10TS-3       Miter Gauge Body         27JWS18HO-27       Plate         27.1.JWS18HO-27-1       Flat Head Screw         27.2.JWS18HO-27-2       Washer (special)         28JWS18HO-28       Washer         29JSL10TS-1       Knob         30JWS12CS-31       Spring Pin         32JWS22CS-32       Lock Handle         33TS-0680041       Lock Washer         34JWS22CS-34       Motor Cover					
25JSL10TS-6      Guide Plate       1         26JSL10TS-3      Miter Gauge Body       1         27JWS18HO-27      Plate       1         27.1JWS18HO-27-1      Flat Head Screw       3/16x1/4         27-2JWS18HO-27-2      Washer (special)       1         28JWS18HO-28      Washer       1         29JSL10TS-1      Knob       1         30JWS18HO-30      Screw      J16x1/4         31JWS22CS-31      Spring Pin      M3x19         32JWS22CS-32      Lock Handle       1         33TS-0680041      Lock Washer       1/4         24JWS22CS-34      Motor Cover       1					
26JSL10TS-3Miter Gauge Body1       1         27JWS18HO-27Plate1       1         27-1JWS18HO-27-1Flat Head Screw					
27JWS18HO-27       Plate       1         27-1JWS18HO-27-1       Flat Head Screw       3/16x1/4       1         27-2JWS18HO-27-2       Washer (special)       1         28JWS18HO-28       Washer       1         29JSL10TS-1       Knob       1         30JWS18HO-30       Screw       3/16x1/4         31JWS22CS-31       Spring Pin       M3x19         32JWS22CS-32       Lock Handle       1         33TS-0680041       Lock Washer       1/4         34JWS22CS-34       Motor Cover       1					
27-1JWS18HO-27-1Flat Head Screw					
27-2JWS18HO-27-2Washer (special)					
28JWS18HO-28Washer       1         29JSL10TS-1       Knob         30JWS18HO-30       3/16x1/4         31JWS22CS-31       Spring Pin         32JWS22CS-32       Lock Handle         33TS-0680041       Lock Washer         34JWS22CS-34       Motor Cover					
29JSL10TS-1Knob1         30JWS18HO-30Screw       3/16x1/41         31JWS22CS-31Spring Pin       M3x191         32JWS22CS-32Lock Handle       1         33TS-0680041       Lock Washer       1/42         34JWS22CS-34Notor Cover       1					
30JWS18HO-30Screw       3/16x1/41         31JWS22CS-31Spring Pin       M3x191         32JWS22CS-32Lock Handle       1         33TS-0680041       Lock Washer       1/42         34JWS22CS-34Notor Cover       1					
31       JWS22CS-31       1         32       JWS22CS-32       Lock Handle         33       TS-0680041       1/4         34       JWS22CS-34       Motor Cover	-				
32       JWS22CS-32       1         33       TS-0680041       1/4         34       JWS22CS-34       Motor Cover					
33					
34JWS22CS-34Motor Cover1					
35JWS22CS-35Cabinet Cover1					
	35	. JWS22CS-35	Cabinet Cover		1

Note: (1/2) and (3/4) refer to 1/2" or 3/4" spindles

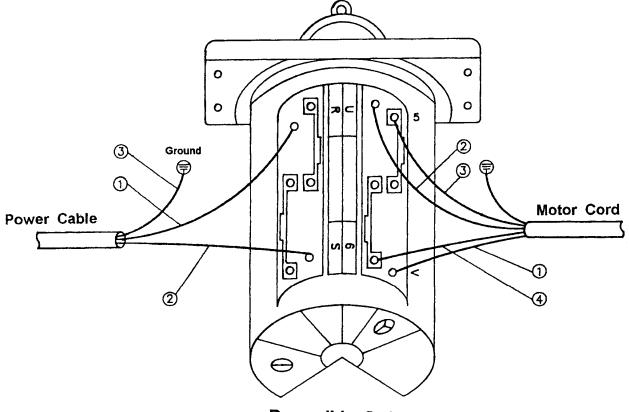
36       JTAS10-45       Handle       3/8       4         37       TS-0720091       Lock Washer       3/8       4         38       JTAS10-41       Spring       1         39       JTAS10-41       Spring       1         40       TS-1540021       Hex Cap Screw       M6x50       1         41       JWS2C2S-41       Motor Plate.       1       6         42       TS-0200061       Hex Cap Bolt       6/16x1       6         43       TS-0560031       Washer       5/16       8         44       TS-0720081       Lock Washer       5/16       6         45       TS-0561021       Hex Nut       5/16       6         46       JWS2CS-46       Motor       1       4       3       3/8       1         50       JWS18HO-47       Motor Pulley       1       4       4       3/8       1       5       5       1       5       5       1       5       0       1       4       2       2       3/8       1       5       3       1       5       3       1       4       3/8       1       5       3       1       4       3       3	Index No. Part No.	Descri	ption	Size	Qty
38.       TS-1540021       Hex Nut.       M6.       1         39.       JTA510-41       Spring       1         40.       TS-1482101       Hex Cap Screw       M6x50.       1         41.       JWS22CS-41       Motor Plate       5/16.       6         42.       TS-0208061       Hex Cap Bolt       5/16.       6         43.       TS-0208061       Lock Washer       5/16.       6         44.       TS-0720081       Lock Washer       5/16.       6         45.       TS-0680031       Washer       5/16.       6         46.       JWS22CS-46.       Motor       1       1         47.       JWS18HO-47.       Motor Pulley       1       1         48.       JWS18HO-48       Key       1       1       1       1         50.       JWS2CS-64.       Washer       .5/16.16.       5       1       S-0081031       Hex Cap Screw       .5/16.3/4.       2       1       3.       WE-M23.       V-Belt.       1       1       5       JWS18HO-56       Handle       1       1       5       JWS18HO-56       Handle       1       1       1       5       1       5       1       <					
39.       JTAS10-41       Spring.       1         40.       TS-1482101.       Hex Cap Screw.       M6x50.       1         41.       JWS22CS-41.       Motor Plate.       5/16k1.       6         42.       TS-0208061.       Hex Cap Bolt       .5/16k1.       6         43.       TS-061021.       Hex Nut.       .5/16.       9         44.       TS-0720081.       Lock Washer       .5/16.       6         45.       TS-061021.       Hex Nut.       .5/16.       6         46.       JWS22CS-46.       Motor Pulley.       1       1         47.       JWS18HO-47.       Motor Pulley.       1       1         48.       JWS22CS-50.       Washer       .5/16x148.       5         51.       TS-0081031.       Hex Cap Screw.       .5/16x34.       2         21.       JWS22CS-52.       Motor Plate Bracket.       1       1         53.       VB-M23.       V-Belt and Screw.       .5/16x34.       2         54.       JWS18HO-56.       Spring Pin       .M3x18.       1         55.       JWS18HO-65.       Spring Pin       .M3x18.       1         56.       JWS18HO-59.       Switch Cover	37 TS-0720	091Lock W	/asher		4
40					
41       JWS22CS-41       Motor Plate       5/16x1       6         42       TS-0208061       Hex Cap Bolt       5/16       9         43       TS-020081       Lock Washer       5/16       9         44       TS-0561021       Hex Nut       5/16       6         45       TS-0561021       Hex Nut       5/16       6         46       JWS22CS-46       Motor       1         47       JWS18HO-47       Motor Pulley       1         48       JWS18HO-48       Key       1         49       JWS18HO-49       Set Screw       1/4x3/8       1         50       JWS22CS-50       Washer       5/16x18       5         51       TS-0081031       Hex Cap Screw       5/16x3/4       2         52       JWS22CS-54       Feed Bar       1       1         54       JWS22CS-54       Feed Bar       1       1         55       JWS18HO-55       Spring Pin       M3x18       1         56       JWS18HO-56       Spring Pin       M3x18       1         57       TS-0680021       Washer       1       14/4       15         57       S00021       Washer					
42.       TS-0208061       Hex Cap Bolt       5/16       9         43.       TS-0680031       Washer       5/16       9         44.       TS-0720081       Lock Washer       5/16       6         45.       TS-0561021       Hex Nut       5/16       6         46.       JWS22CS-46       Motor       1         47.       JWS18HO-48       Key       1         48.       JWS18HO-48       Key       1         49.       JWS18HO-48       Key       1         49.       JWS18HO-448       Key       1         50.       JWS22CS-50.       Washer       5/16x18       5         51.       TS-0081031       Hex Cap Screw       5/16x3/4       2         54.       JWS22CS-54.       Feed Bar       1       5         55.       JWS18HO-56       Handle       1       1       1       1         56.       JWS18HO-59       Switch Assembly (includes #61,62,63,64,107,109)       1 <td>40 TS-1482</td> <td>101Hex Ca</td> <td>ap Screw</td> <td>M6x50</td> <td>1</td>	40 TS-1482	101Hex Ca	ap Screw	M6x50	1
43.       T5-0680031       Washer       5/16       9         44.       T5-0720081       Lock Washer       5/16       6         45.       TS-0561021       Hex Nut       5/16       6         46.       JWS18H0-47       Motor Pulley       1         47.       JWS18H0-47       Motor Pulley       1         48.       JWS18H0-47       Motor Pulley       1         49.       JWS18H0-49       Set Screw       5/16x18       5         50.       JWS22CS-50       Washer       5/16x3/4       2         51.       T5-0081031       Hex Cap Screw       5/16x3/4       2         52.       JWS22CS-54       Feed Bar       1       1         54.       JWS22CS-54       Feed Bar       1       1         55.       JWS18H0-56       Spring Pin       M3x18       1         56.       JWS18H0-56       Spring Pin       1/4 x 5/8       1         57.       T5-0680021       Washer       1/4 x 5/8       1         59-2       JWS18H0-59-3       Switch Assembly (includes #61.62.63.64,107,109)       3         59-3       JWS18H0-61       Screw       1         60       JWS22CS-59-4	41 JWS22C	S-41Motor	Plate		1
43.       T5-0680031       Washer       5/16       9         44.       T5-0720081       Lock Washer       5/16       6         45.       TS-0561021       Hex Nut       5/16       6         46.       JWS18H0-47       Motor Pulley       1         47.       JWS18H0-47       Motor Pulley       1         48.       JWS18H0-47       Motor Pulley       1         49.       JWS18H0-49       Set Screw       5/16x18       5         50.       JWS22CS-50       Washer       5/16x3/4       2         51.       T5-0081031       Hex Cap Screw       5/16x3/4       2         52.       JWS22CS-54       Feed Bar       1       1         54.       JWS22CS-54       Feed Bar       1       1         55.       JWS18H0-56       Spring Pin       M3x18       1         56.       JWS18H0-56       Spring Pin       1/4 x 5/8       1         57.       T5-0680021       Washer       1/4 x 5/8       1         59-2       JWS18H0-59-3       Switch Assembly (includes #61.62.63.64,107,109)       3         59-3       JWS18H0-61       Screw       1         60       JWS22CS-59-4	42 TS-0208	061Hex Ca	ap Bolt	5/16x1	6
45.       TS-0561021       Hex Nut.       .5/16       .6         46.       JWS22CS-46.       Motor       .1         47.       JWS18HO-47       Motor Pulley       .1         48.       JWS18HO-47       Motor Pulley       .1         48.       JWS18HO-49       Set Screw       .1/4x3/8       .1         50.       JWS22CS-50.       Washer       .5/16X18       .5         51.       TS-0081031       Hex Cap Screw       .5/16X3/4       .2         52.       JWS22CS-52.       Motor Plate Bracket       .1       .1         53.       VB-M23.       V-Belt       .1       .1         54.       JWS22CS-54.       Feed Bar       .1       .1         55.       JWS18HO-56       Handle       .1       .1         56.       JWS18HO-56.       Handle       .1/4       .1         57.       TS-0680021       Washer       .1/4       .1         58.       TS-0050021       Washer       .1/4       .5         59.4       JWS18HO-59.       Switch Assembly (includes #61,62,63,64,107,109).       .3         59.4       JWS22CS-59.4       Plate       .1       .1         60.       JW	43 TS-0680	031Washe	r		9
46.       JW22CS-46.       Motor Pulley       1         47.       JWS18HO-48       Key       1         48.       JWS18HO-48       Key       1         49.       JWS18HO-49       Set Screw       1/4x3/8       1         50.       JWS22CS-50.       Washer       5/16x18       5         51.       TS-0081031       Hex Cap Screw       5/16x3/4       2         52.       JWS22CS-52.       Motor Plate Bracket       1       1         53.       VB-M23.       V-Belt.       1       1         54.       JWS22CS-54.       Feed Bar.       1       1         55.       JWS18HO-56.       Handle       1       1         56.       JWS18HO-56.       Handle       1       1         57.       TS-0680021       Washer       1/4       1         58.       TS-0050021       Hex Cap Bolt       1/4       1         59.       JWS18HO-59.       Switch Assembly (includes #61,62,63,64,107,109)       1         59.3       JWS18HO-69.       Switch Cover       3       1         59.4       JWS22CS-59.4       Plate       1       1         60.       JWS22CS-69.       Power C	44 TS-0720	081Lock W	/asher		8
47       JWS18HO-47       Motor Pulley       1         48       JWS18HO-49       Set Screw       1/4x3/8       1         50       JWS22CS-50       Washer       5/16k3/4       2         51       T5-0081031       Hex Cap Screw       5/16k3/4       2         52       JWS22CS-52       Motor Plate Bracket       1       1         53       VB-M23       V-Belt       1       1         54       JWS22CS-54       Feed Bar       1       1         55       JWS18HO-55       Spring Pin       M3x18       1         56       JWS18HO-56       Handle       1/4       1         57       TS-0680021       Washer       1/4       1         58       TS-0050021       Hex Cap Bolt       1/4 x 5/8       1         59       JWS18HO-59       Switch Assembly (includes #61,62,63,64,107,109)       3         59-4       JWS18HO-59       Switch Cover       1       4         59-4       JWS122CS-59-4       Plate       1       1         62       JWS18HO-63       Switch Plate       1       1         63       JWS18HO-64       Switch Plate       1         64       JWS12C	45 TS-0561	021Hex Nu	.t		6
48.       JWS18HO-48       Key          49.       JWS18HO-49       Set Screw          50.       JWS22CS-50       Washer       .5/16x18       .5         51.       TS-0081031       Hex Cap Screw       .5/16x3/4       .2         52.       JWS22CS-52       Motor Plate Bracket       .1          53.       VB-M23       -V-Belt           54.       JWS22CS-54.       Feed Bar           55.       JWS18HO-55.       Spring Pin        M3x18       .1         56.       JWS18HO-56.       Handle        .1/4       .1         57.       TS-0680021       Washer        .1/4       .57         58.       JWS18HO-59.       Switch Cover         .1         59.3       JWS18HO-59.3       Switch Cover         .1         59.3       JWS18HO-61       Plate            60.       JWS18HO-63       Switch Handle            62.       JWS18HO-64       Switch Handle </td <td>46 JWS22C</td> <td>S-46Motor.</td> <td></td> <td></td> <td>1</td>	46 JWS22C	S-46Motor.			1
49.       JWS18HO-49.       Set Screw       1/4x3/8.       1         50.       JWS22CS-50.       Washer       5/16x3/4.       2         51.       TS-0081031       Hex Cap Screw       5/16x3/4.       2         52.       JWS22CS-52.       Motor Plate Bracket       1         53.       VB-M23.       V-Belt.       1         54.       JWS22CS-54.       Feed Bar       1         55.       JWS18HO-55.       Spring Pin       M3x18.       1         56.       JWS18HO-56.       Handle       1       1         57.       TS-0680021       Washer       1/4.       1         58.       JWS18HO-59.       Switch Assembly (includes #61,62,63,64,107,109)       1         59-2.       JWS18HO-59.       Switch Cover       1       1         59-3.       JWS18HO-61.       Plate       1       1         60.       JWS22CS-69-4.       Plate       1       1         61.       JWS18HO-64.       Switch Plate       1       1         62.       JWS18HO-63.       Switch Plate       1       1         64.       JWS18HO-64.       Switch Plate       1       1         65.       JWS2	47 JWS18H	O-47Motor	Pulley		1
50.       JWS22CS-50.       Washer       .5/16x18.       .5         51.       TS-0081031       Hex Cap Screw       .5/16x3/4.       .2         52.       JWS22CS-52.       Motor Plate Bracket       .1         53.       VB-M23.       V-Belt.       .1         54.       JWS22CS-54.       Feed Bar.       .1         55.       JWS18HO-55.       Spring Pin       .M3x18.       .1         56.       JWS18HO-56.       Handle       .1/4.       .1         57.       TS-0680021.       Washer       .1/4.       .1         58.       JWS18HO-59.       Switch Assembly (includes #61,62,63,64,107,109).       .1         59-2.       JWS18HO-69.3.       Switch Cover       .1       .1         59-3.       JWS18HO-61.       .1       .1       .1       .1         60.       JWS22CS-69.4.       .Plate.       .1       .1       .1         61.       JWS18HO-61.       .Plate.       .1	48 JWS18H	Ю-48Кеу	-		1
51.       TS-0081031       Hex Cap Screw       .5/16x3/4       .2         52.       JWS22CS-52.       Motor Plate Bracket       .1         53.       VB-M23       V-Belt       .1         54.       JWS22CS-54.       Feed Bar.       .1         55.       JWS18HO-55       Spring Pin       .M3x18       .1         56.       JWS18HO-56       Handle       .1/4       .1         57.       TS-0680021       Washer       .1/4       .1         58.       TS-0050021       Hex Cap Bolt       .1/4 x 5/8       .1         59.       JWS18HO-59       Switch Assembly (includes #61,62,63,64,107,109)       .1         59.4       JWS22CS-59-4       Plate       .1       .1         60.       JWS22CS-69-4       Plate       .1       .1         61.       JWS18HO-61       Plate       .1       .1         62.       JWS18HO-63       Switch Handle       .1       .1         63.       JWS18HO-64       Switch Plate       .1       .1         64.       JWS22CS-67.       Draw Bar.       .5/16x6       .1         67.1       JWS22CS-67.       Draw Par.       .5/16x6       .1         67.1 </td <td>49 JWS18H</td> <td>O-49Set Sc</td> <td>rew</td> <td>1/4x3/8</td> <td>1</td>	49 JWS18H	O-49Set Sc	rew	1/4x3/8	1
52       JWS22CS-52       Motor Plate Bracket       1         53       VB-M23       V-Belt       1         54       JWS22CS-54       Feed Bar       1         55       JWS18HO-55       Spring Pin       M3x18       1         56       JWS18HO-56       Handle       1       1         57       TS-0680021       Washer       1/4       1         58       TS-0050021       Hex Cap Bolt       1/4 x 5/8       1         59-3       JWS18HO-59-3       Switch Assembly (includes #61,62,63,64,107,109)       1         59-4       JWS22CS-59-4       Plate       3       1         60       JWS22CS-60       Cabinet       1       1         61       JWS18HO-61       Plate       1       1         62       JWS18HO-63       Switch Handle       1       1         63       JWS18HO-64       Switch Handle       1       1         64       JWS18HO-64       Switch Handle       1       1         65       JWS22CS-67       Draw Bar       5/16x6       1         74       JWS18HO-64       Switch Handle       1       1         64       JWS18HO-64       Switch Padding <td>50 JWS22C</td> <td>S-50Washe</td> <td>r</td> <td>5/16x18</td> <td>5</td>	50 JWS22C	S-50Washe	r	5/16x18	5
53.       VB-M23.       V-Belt.       1         54.       JWS22CS-54.       Feed Bar.       1         55.       JWS18HO-55.       Spring Pin       M3x18.       1         56.       JWS18HO-56.       Handle       1       1         57.       TS-0680021       Washer       1/4.       1         58.       TS-0050021       Hex Cap Bolt.       .1/4 x 5/8.       1         59.       JWS18HO-59.       Switch Assembly (includes #61,62,63,64,107,109).       3         59-3.       JWS12CS-59-4.       Plate       1         60.       JWS22CS-59-4.       Plate       1         60.       JWS22CS-60.       Cabinet       1         61.       JWS18HO-61.       Plate       1         62.       JWS18HO-62.       Screw       4         63.       JWS18HO-63.       Switch Plate       1         64.       JWS18HO-64.       Switch Handle       1         65.       JWS22CS-65.       Power Cord       4         67.1       JWS22CS-67.       Draw Bar.       5/16x6.       1         67.1       JWS22CS-67.       Draw Bar.       5/16x6.       1         67.1       JWS22CS-67.	51 TS-0081	031Hex Ca	ap Screw	5/16x3/4	2
54.       JWS22CS-54.       Feed Bar.       1         55.       JWS18H0-55.       Spring Pin       M3x18.       1         56.       JWS18H0-56.       Handle       1         57.       TS-0680021       Washer       1/4.       1         58.       TS-0050021       Hex Cap Bolt       1/4 x 5/8.       1         59.       JWS18H0-59.       Switch Assembly (includes #61,62,63,64,107,109)       1         59.4       JWS22CS-59-2.       Strain Relief       3         59-3.       JWS18H0-59.       Switch Cover       1         60.       JWS22CS-59-4.       Plate       1         60.       JWS18H0-61.       Plate       1         61.       JWS18H0-62.       Screw       4         63.       JWS18H0-63.       Switch Plate       1         64.       JWS22CS-65.       Power Cord.       1         65.       JWS22CS-67.       Draw Bar.       5/16x6.       1         67.1       JWS22CS-68.       Strain Relief       2       2         69.       JWS22CS-69.       Cord Plate       1       1         70.       JTAS10-47.       Cord Clamp Plate       1       1         7					
55.       JWS18HO-55.       Spring Pin       M3x18.       1         56.       JWS18HO-56.       Handle       1         57.       TS-0680021.       Washer       1/4       1         58.       TS-0050021.       Hex Cap Bolt       1/4 x 5/8       1         59.       JWS18HO-59.       Switch Assembly (includes #61,62,63,64,107,109)       1         59-2.       JWS18HO-59-3.       Switch Cover       1         59-3.       JWS22CS-59-4.       Plate       1         60.       JWS22CS-69-4.       Plate       1         61.       JWS18HO-61.       Plate       1         62.       JWS18HO-62.       Screw       4         63.       JWS18HO-62.       Screw       4         63.       JWS18HO-64.       Switch Handle       1         64.       JWS18HO-64.       Switch Handle       1         65.       JWS22CS-66.       Power Cord       1         66.       JTAS10-28.       Tap Screw       M5x10.       4         67.       JWS22CS-67.1       Draw Bar.       5/16x6.       1         70.       JTAS10-47.       Cord Clamp Plate       1       1         71.       JWS22	53 VB-M23.	V-Belt.			1
56.       JWS18HO-56       Handie       1         57.       TS-0680021       Washer       1/4       1         58.       TS-0050021       Hex Cap Bolt       1/4 x 5/8.       1         59.       JWS18HO-59       Switch Assembly (includes #61,62,63,64,107,109).       1         59-2.       JWS22CS-59-2.       Strain Relief       3         59-3.       JWS18HO-59-3       Switch Cover       1         59-4.       JWS22CS-59-4.       Plate       1         60.       JWS22CS-60.       Cabinet       1         61.       JWS18HO-63       Switch Plate       4         63.       JWS18HO-64.       Switch Handle       1         64.       JWS18HO-64.       Switch Handle       1         65.       JWS22CS-67.       Draw Bar       5/16x6       1         67.       JWS22CS-67.       Draw Bar       5/16x6       1         67.1       JWS22CS-67.       Draw Bar       5/16x6       1         67.1       JWS22CS-67.       Draw Bar       5/16x6       1         70.       JTAS10-47.       Cord Clamp Plate       1       1         70.       JTAS10-47.       Cord Clamp Plate       1       1	54 JWS22C	S-54Feed B	ar		1
57.       TS-0680021       Washer       1/4       1         58.       TS-0050021       Hex Cap Bolt       1/4 x 5/8.       1         59.       JWS18HO-59       Switch Assembly (includes #61,62,63,64,107,109).       1         59-2.       JWS22CS-59-2.       Strain Relief       3         59-3.       JWS18HO-59-3.       Switch Cover       1         59-4.       JWS22CS-69-4.       Plate       1         60.       JWS18HO-61       Plate       1         61.       JWS18HO-62.       Screw       4         63.       JWS18HO-63.       Switch Plate       1         64.       JWS18HO-64.       Switch Handle       1         65.       JWS22CS-67.       Draw Bar       5/16x6.       1         66.       JTAS10-28.       Tap Screw       M5x10.       4         67.       JWS22CS-67.       Draw Bar       5/16x6.       1         67.1       JWS22CS-67.       Draw Bar       1       1         68.       JWS22CS-67.       Draw Bar       1       1         70.       JAS10-47.       Cord Clamp Plate       1       1         71.       JWS22CS-73.       Rubber Padding       2	55 JWS18H	O-55Spring	Pin	M3x18	1
58.       TS-0050021       Hex Cap Bolt       1/4 x 5/8.       1         59.       JWS18HO-59       Switch Assembly (includes #61,62,63,64,107,109).       1         59-2.       JWS22CS-59-2.       Strain Relief       3         59-3.       JWS18HO-59-3.       Switch Cover       1         59-4.       JWS22CS-59-4.       Plate       1         60.       JWS22CS-60.       Cabinet       1         61.       JWS18HO-61.       Plate       1         62.       JWS18HO-62.       Screw       4         63.       JWS18HO-64.       Switch Handle       1         64.       JWS18HO-64.       Switch Handle       1         65.       JWS22CS-65.       Power Cord       1         66.       JTAS10-28.       Tap Screw.       M5x10.       4         67.1       JWS22CS-67.       Draw Bar.       5/16x6.       1         67.1       JWS22CS-68.       Strain Relief       2       2         69.       JWS22CS-69.       Cord Clamp Plate       1       1         70.       JTAS10-47.       Cord Clamp Plate       1       1         71.       JWS22CS-73.       Rubber Padding       2       2 <td>56 JWS18H</td> <td>lO-56Handle</td> <td></td> <td></td> <td>1</td>	56 JWS18H	lO-56Handle			1
59.       JWS18HO-59.       Switch Åssembly (includes #61,62,63,64,107,109).       1         59-2.       JWS22CS-59-2.       Strain Relief       3         59-3.       JWS18HO-59-3.       Switch Cover       1         11       19-4.       JWS22CS-59-4.       Plate       1         60.       JWS22CS-60.       Cabinet       1       1         61.       JWS18HO-61.       Plate       1       1         62.       JWS18HO-63.       Switch Plate       1       1         63.       JWS18HO-64.       Switch Handle       1       1         64.       JWS12CS-65.       Power Cord       1       1         65.       JWS22CS-67.       Draw Bar.       5/16x6       1         67.       JWS22CS-67.       Draw Bar.       5/16x6       1         67.       JWS22CS-68.       Strain Relief       2       2         69.       JWS22CS-68.       Cord Plate       1       1         70.       JTAS10-47.       Cord Clamp Plate       1       1         71.       JWS22CS-73.       Rubber Padding       2       2         74.       JWS18HO-74.       Fence (right).       1       1	57 TS-0680	021Washe	r	1/4	1
59-2       JWS22CS-59-2       Strain Relief       3         59-3       JWS18HO-59-3       Switch Cover       1         59-4       JWS22CS-59-4       Plate       1         60       JWS22CS-60       Cabinet       1         61       JWS18HO-61       Plate       1         62       JWS18HO-62       Screw       4         63       JWS18HO-63       Switch Plate       1         64       JWS18HO-64       Switch Handle       1         65       JWS22CS-65       Power Cord       1         66       JTAS10-28       Tap Screw.       M5x10       4         67       JWS22CS-67.       Draw Bar       5/16x6       1         67.1       JWS22CS-67.       Taper Nut       1       1         68       JWS22CS-67.       Taper Nut       1       1         68       JWS22CS-67.       Taper Nut       1       1         70       JTAS10-47       Cord Clamp Plate       1       1         71       JWS22CS-73       Rubber Padding       2       2         74       JWS18HO-74       Fence (right)       1       1         74       JWS18HO-77       Guide Ba	58 TS-0050	021Hex Ca	ap Bolt	1/4 x 5/8	1
59-3.       JWS18HO-59-3.       Switch Cover       1         59-4.       JWS22CS-59-4.       Plate       1         60.       JWS22CS-60.       Cabinet       1         61.       JWS18HO-61.       Plate       1         62.       JWS18HO-62.       Screw       4         63.       JWS18HO-63.       Switch Plate       1         64.       JWS18HO-64.       Switch Handle       1         65.       JWS22CS-65.       Power Cord       1         66.       JTAS10-28.       Tap Screw.       M5x10.         67.       JWS22CS-67.       Draw Bar.       5/16x6.       1         67.1.       JWS22CS-68.       Strain Relief       2       2         69.       JWS22CS-68.       Strain Relief       2       2       3         70.       JTAS10-47.       Cord Clamp Plate       1       1         71.       JWS22CS-72.       Foam Strip       1       1         73.       JWS22CS-73.       Rubber Padding       2       2         74.       JWS18HO-74.       Fence (right).       1       1         75.       JWS18HO-75.       Guide Bar       2       2       1	59 JWS18H	O-59Switch	Assembly (includes #61,62,63,64,107,10	09)	1
59-3.       JWS18HO-59-3.       Switch Cover       1         59-4.       JWS22CS-59-4.       Plate       1         60.       JWS22CS-60.       Cabinet       1         61.       JWS18HO-61.       Plate       1         62.       JWS18HO-62.       Screw       4         63.       JWS18HO-63.       Switch Plate       1         64.       JWS18HO-64.       Switch Handle       1         65.       JWS22CS-65.       Power Cord       1         66.       JTAS10-28.       Tap Screw.       M5x10.         67.       JWS22CS-67.       Draw Bar.       5/16x6.       1         67.1.       JWS22CS-68.       Strain Relief       2       2         69.       JWS22CS-68.       Strain Relief       2       2       3         70.       JTAS10-47.       Cord Clamp Plate       1       1         71.       JWS22CS-72.       Foam Strip       1       1         73.       JWS22CS-73.       Rubber Padding       2       2         74.       JWS18HO-74.       Fence (right).       1       1         75.       JWS18HO-75.       Guide Bar       2       2       1	59-2 JWS22C	S-59-2Strain I	Relief	, ,	3
60       JWS22CS-60       Cabinet       1         61       JWS18HO-61       Plate       1         62       JWS18HO-62       Screw       4         63       JWS18HO-63       Switch Plate       1         64       JWS18HO-64       Switch Plate       1         65       JWS22CS-65       Power Cord       1         66       JTAS10-28       Tap Screw       M5x10       4         67       JWS22CS-67       Draw Bar       5/16x6       1         67-1       JWS22CS-67-1       Taper Nut       1       1         68       JWS22CS-67       Draw Bar       5/16x6       1         69       JWS22CS-69       Cord Plate       1       1         70       JTAS10-47       Cord Clamp Plate       1       1         71       JWS22CS-71       Power Cord Sleeve       1       1         72       JWS22CS-72       Foam Strip       1       1         73       JWS22CS-73       Rubber Padding       2       2         74       JWS18HO-74       Fence (right)       1       1         75       JWS18HO-75       Guide Bar       2       2         76 <td></td> <td></td> <td></td> <td></td> <td></td>					
61       JWS18HO-61       Plate       1         62       JWS18HO-62       Screw       4         63       JWS18HO-63       Switch Plate       1         64       JWS18HO-64       Switch Plate       1         65       JWS2CS-65       Power Cord       1         66       JTAS10-28       Tap Screw       M5x10       4         67       JWS22CS-67       Draw Bar       5/16x6       1         67-1       JWS22CS-67-1       Taper Nut       1       1         68       JWS22CS-68       Strain Relief       2       2         69       JWS22CS-71       Power Cord Clamp Plate       1       1         70       JTAS10-47       Cord Clamp Plate       1       1         71       JWS22CS-71       Power Cord Sleeve       1       1         72       JWS22CS-73       Rubber Padding       2       2         74       JWS18HO-74       Fence (right)       1       1         75       JWS18HO-75       Guide Bar       2       2         76       TS-0680031       Washer       5/16       2         77       JWS18HO-78       Lead Screw       2       2	59-4 JWS22C	S-59-4Plate			1
62.       JWS18HO-62       Screw       4         63.       JWS18HO-63       Switch Plate       1         64.       JWS18HO-64       Switch Plate       1         64.       JWS22CS-65       Power Cord       1         66.       JTAS10-28       Tap Screw       M5x10       4         67.       JWS22CS-67       Draw Bar       5/16x6       1         67.1       JWS22CS-67.       Draw Bar       1       6         68.       JWS22CS-68       Strain Relief       2       2         69.       JWS22CS-69.       Cord Plate       1       1         70.       JTAS10-47       Cord Clamp Plate       1       1         71.       JWS22CS-71       Power Cord Sleeve       1       1         72.       JWS22CS-72       Foam Strip       1       1         73.       JWS22CS-73       Rubber Padding       2       2         74.       JWS18HO-74.       Fence (right)       1       1         75.       JWS18HO-75       Guide Bar       2       2         76.       TS-0680031       Washer       5/16       2         77.       JWS18HO-78       Lead Screw       2<	60 JWS22C	S-60Cabine	t		1
63JWS18HO-63Switch Plate       1         64JWS18HO-64Switch Handle       1         65JWS22CS-65Power Cord       1         66JTAS10-28Tap Screw       M5x10         67JWS22CS-67Draw Bar.       5/16x6         67JWS22CS-67.1Taper Nut.       1         68JWS22CS-68.       Strain Relief         69JWS22CS-69.       Cord Plate         70JTAS10-47       Cord Clamp Plate         71JWS22CS-71Power Cord Sleeve       1         72JWS22CS-72Foam Strip       1         73JWS22CS-73.       Rubber Padding         74JWS18HO-74Fence (right).       1         75JWS18HO-74Fence (left).       1         75JWS18HO-75.       Guide Bar         76TS-0680031       Washer         77JWS18HO-77       Flat Head Machine Screw         76TS-0561021       Hex Nut         77.1.TS-0561021       Hex Cap Bolt         78JWS18HO-78       Lead Screw         29TS-0050031       Hex Cap Bolt         79TS-050031       Hex Cap Bolt         79TS-050031       Hex Cap Bolt         79TS-050031       Hex Cap Bolt         79TS-050031       Hex Cap Bolt         77.1.JWS18HO-78<	61 JWS18H	O-61Plate			1
64JWS18HO-64       Switch Handle       1         65JWS22CS-65Power Cord       1         66JTAS10-28       Tap Screw       M5x104         67JWS22CS-67Draw Bar       5/16x61         67JWS22CS-67Taper Nut       1         68JWS22CS-69Cord Plate       2         69JWS22CS-69Cord Plate       1         70JTAS10-47       Cord Clamp Plate       1         71JWS22CS-71Power Cord Sleeve       1         72JWS22CS-72Foam Strip       1         73JWS22CS-73Rubber Padding       2         74JWS18HO-74Fence (right)       1         74JWS18HO-75Guide Bar       2         76TS-0680031       Washer       5/16         77JWS18HO-77Flat Head Machine Screw       5/16x1-3/4       2         78JWS18HO-78.       Lead Screw       2         79TS-0050031       Hex Cap Bolt       1/4x3/4       2         80JWS18HO-80.       Guide Plate       2       2         79TS-0050031       Hex Cap Bolt       1/4x3/4       2         81JWS18HO-81.       Slide Block       2       2         82JWS18HO-82.       Guide Plate Support       2	62 JWS18H	O-62Screw			4
65.       JWS22CS-65.       Power Cord       1         66.       JTAS10-28.       Tap Screw.       M5x10.       4         67.       JWS22CS-67.       Draw Bar.       5/16x6.       1         67.1       JWS22CS-67.       Taper Nut.       1         68.       JWS22CS-68.       Strain Relief.       2         69.       JWS22CS-69.       Cord Plate       1         70.       JTAS10-47.       Cord Clamp Plate       1         71.       JWS22CS-71.       Power Cord Sleeve       1         72.       JWS22CS-72.       Foam Strip       1         73.       JWS22CS-73.       Rubber Padding       2         74.       JWS18HO-74.       Fence (right).       1         74.1       JWS18HO-74.       Fence (left).       1         75.       JWS18HO-75.       Guide Bar.       2         76.       TS-0680031       Washer       5/16       2         77.       JWS18HO-78.       Lead Screw       5/16       2         78.       JWS18HO-78.       Lead Screw       2       2         79.       TS-050031.       Hex Cap Bolt       1/4x3/4.       2         80.       JWS18HO-81.	63 JWS18H	O-63Switch	Plate		1
66.       JTAS10-28       Tap Screw.       M5x10.       4         67.       JWS22CS-67.       Draw Bar.       5/16x6.       1         67.       JWS22CS-67.       Taper Nut.       1       1         68.       JWS22CS-67.       Taper Nut.       1       1         68.       JWS22CS-68.       Strain Relief       2       2         69.       JWS22CS-69.       Cord Plate       1       1         70.       JTAS10-47.       Cord Clamp Plate       1       1         71.       JWS22CS-71.       Power Cord Sleeve       1       1         72.       JWS22CS-72.       Foam Strip       1       1         73.       JWS22CS-73.       Rubber Padding       2       2         74.       JWS18HO-74.       Fence (right)       1       1         74.1       JWS18HO-75.       Guide Bar.       2       2         76.       TS-0680031.       Washer       5/16       2         77.       JWS18HO-77.       Flat Head Machine Screw       5/16x1-3/4.       2         77.       JWS18HO-78.       Lead Screw       2/16x1-3/4.       2         79.       TS-0561021.       Hex Cap Bolt       1/4	64 JWS18H	O-64Switch	Handle		1
67	65 JWS22C	S-65Power	Cord		1
67-1.       JWS22CS-67-1.       Taper Nut       1         68.       JWS22CS-68.       Strain Relief       2         69.       JWS22CS-69.       Cord Plate       1         70.       JTAS10-47       Cord Clamp Plate       1         71.       JWS22CS-71.       Power Cord Sleeve       1         72.       JWS22CS-72.       Foam Strip       1         73.       JWS22CS-73.       Rubber Padding       2         74.       JWS18HO-74.       Fence (right).       1         74.1.       JWS18HO-75.       Guide Bar.       2         76.       TS-0680031       Washer       5/16       2         77.       JWS18HO-77.       Flat Head Machine Screw       5/16x1-3/4       2         77.1.       TS-0561021       Hex Nut       5/16       2         78.       JWS18HO-78.       Lead Screw       2         79.       TS-0050031       Hex Cap Bolt       1/4x3/4.       2         80.       JWS18HO-80.       Guide Plate       2       2         81.       JWS18HO-81.       Slide Block       2       2	66 JTAS10-	28Tap Sc	rew	M5x10	4
68.       JWS22CS-68.       Strain Relief       2         69.       JWS22CS-69.       Cord Plate       1         70.       JTAS10-47.       Cord Clamp Plate       1         71.       JWS22CS-71.       Power Cord Sleeve       1         72.       JWS22CS-72.       Foam Strip       1         73.       JWS22CS-73.       Rubber Padding       2         74.       JWS18HO-74.       Fence (right).       1         74.1       JWS18HO-74.       Fence (left).       1         75.       JWS18HO-75.       Guide Bar       2         76.       TS-0680031       Washer       5/16       2         77.       JWS18HO-77.       Flat Head Machine Screw       5/16x1-3/4       2         77.1       TS-0561021       Hex Nut       5/16       2         78.       JWS18HO-78       Lead Screw       2         79.       TS-0050031       Hex Cap Bolt       1/4x3/4       2         80.       JWS18HO-80       Guide Plate       2       2         81.       JWS18HO-81       Slide Block       2       2         82.       JWS18HO-82       Guide Plate Support       2					
68.       JWS22CS-68.       Strain Relief       2         69.       JWS22CS-69.       Cord Plate       1         70.       JTAS10-47.       Cord Clamp Plate       1         71.       JWS22CS-71.       Power Cord Sleeve       1         72.       JWS22CS-72.       Foam Strip       1         73.       JWS22CS-73.       Rubber Padding       2         74.       JWS18HO-74.       Fence (right).       1         74.1       JWS18HO-74.       Fence (left).       1         75.       JWS18HO-75.       Guide Bar       2         76.       TS-0680031       Washer       5/16       2         77.       JWS18HO-77.       Flat Head Machine Screw       5/16x1-3/4       2         77.1       TS-0561021       Hex Nut       5/16       2         78.       JWS18HO-78       Lead Screw       2         79.       TS-0050031       Hex Cap Bolt       1/4x3/4       2         80.       JWS18HO-80       Guide Plate       2       2         81.       JWS18HO-81       Slide Block       2       2         82.       JWS18HO-82       Guide Plate Support       2	67-1 JWS22C	S-67-1Taper I	Nut		1
70JTAS10-47       Cord Clamp Plate       1         71JWS22CS-71       Power Cord Sleeve       1         72JWS22CS-72       Foam Strip       1         73JWS22CS-73       Rubber Padding       2         74JWS18HO-74       Fence (right)       1         74JWS18HO-74.       Fence (left)       1         75JWS18HO-74.1       Fence (left)       1         75JWS18HO-75       Guide Bar       2         76TS-0680031       Washer       5/16         77JWS18HO-77       Flat Head Machine Screw       5/16x1-3/4         77.1       TS-0561021       Hex Nut.       5/16         78JWS18HO-78       Lead Screw       2         79TS-0050031       Hex Cap Bolt       1/4x3/4         80JWS18HO-80       Guide Plate       2         81JWS18HO-81       Slide Block       2         82JWS18HO-82       Guide Plate Support       2					
71JWS22CS-71Power Cord Sleeve       1         72JWS22CS-72Foam Strip       1         73JWS22CS-73Rubber Padding       2         74JWS18HO-74       Fence (right)         74JWS18HO-74       Fence (right)         74JWS18HO-74       Fence (left)         75JWS18HO-75       Guide Bar         76TS-0680031       Washer         77JWS18HO-77       Flat Head Machine Screw         77JWS18HO-78       Lead Screw         77JWS18HO-78       Lead Screw         79JWS18HO-78       Lead Screw         79JWS18HO-80       Guide Plate         281JWS18HO-81       Slide Block         282JWS18HO-82       Guide Plate Support	69 JWS22C	S-69Cord P	late		1
71JWS22CS-71Power Cord Sleeve       1         72JWS22CS-72Foam Strip       1         73JWS22CS-73Rubber Padding       2         74JWS18HO-74       Fence (right)         74JWS18HO-74       Fence (right)         74JWS18HO-74       Fence (left)         75JWS18HO-75       Guide Bar         76TS-0680031       Washer         77JWS18HO-77       Flat Head Machine Screw         77JWS18HO-78       Lead Screw         77JWS18HO-78       Lead Screw         79JWS18HO-78       Lead Screw         79JWS18HO-80       Guide Plate         281JWS18HO-81       Slide Block         282JWS18HO-82       Guide Plate Support	70 JTAS10-	47Cord C	lamp Plate		1
72JWS22CS-72Foam Strip       1         73JWS22CS-73Rubber Padding       2         74JWS18HO-74       Fence (right)         74JWS18HO-74       Fence (left)         74JWS18HO-74       Fence (left)         75JWS18HO-75       Guide Bar         76TS-0680031       Washer         77JWS18HO-77       Flat Head Machine Screw         77JWS18HO-77       Flat Head Machine Screw         77.1TS-0561021       Hex Nut         78JWS18HO-78       Lead Screw         79TS-0050031       Hex Cap Bolt         79JWS18HO-80       Guide Plate         81JWS18HO-81       Slide Block         82JWS18HO-82       Guide Plate Support					
73JWS22CS-73Rubber Padding       2         74JWS18HO-74       Fence (right)       1         74-1JWS18HO-74-1       Fence (left)       1         75JWS18HO-75       Guide Bar       2         76TS-0680031       Washer       5/16       2         77JWS18HO-77       Flat Head Machine Screw       5/16x1-3/4       2         77.1.TS-0561021       Hex Nut       5/16       2         78JWS18HO-78       Lead Screw       2       2         79TS-0050031       Hex Cap Bolt       1/4x3/4       2         80JWS18HO-80       Guide Plate       2       2         81JWS18HO-81       Slide Block       2       2         82JWS18HO-82       Guide Plate Support       2	72 JWS22C	S-72Foam S	Strip		1
74JWS18HO-74       Fence (right)       1         74-1JWS18HO-74-1       Fence (left)       1         75JWS18HO-75       Guide Bar       2         76JWS18HO-75       Guide Bar       5/16         77JWS18HO-77       Flat Head Machine Screw       5/16x1-3/4         77-1TS-0561021       Hex Nut       5/16         78JWS18HO-78       Lead Screw       2         79TS-0050031       Hex Cap Bolt       1/4x3/4         80JWS18HO-80       Guide Plate       2         81JWS18HO-81       Slide Block       2         82JWS18HO-82       Guide Plate Support       2					
74-1JWS18HO-74-1Fence (left)       1         75JWS18HO-75Guide Bar					
75					
76					
77       JWS18HO-77       Flat Head Machine Screw       5/16x1-3/4       2         77-1       TS-0561021       Hex Nut       5/16       2         78       JWS18HO-78       Lead Screw       2         79       TS-0050031       Hex Cap Bolt       1/4x3/4       2         80       JWS18HO-80       Guide Plate       2         81       JWS18HO-81       Slide Block       2         82       JWS18HO-82       Guide Plate Support       2					
77-1TS-0561021       Hex Nut					
78					
79					
80					
81JWS18HO-81Slide Block					
82JWS18HO-82Guide Plate Support2					

Index No. Part No.	Description	Size	Qty
84 JWS18HO-84	Safety Shield		1
85 JWS18HO-85	Fence Body		1
86 TS-0209021	Hex Socket Cap Bolt	3/8x5/8	2
87 JWS18HO-87	Lock Knob	3/8	2
	Knob		
89 TS-0680061	Washer	1/2	2
	Lock Handle		
	Handle		
	Round Knob		
	Hex Cap Bolt		
92 JWS18HO-92	Safety Shield Mount		1
	Washer		
	Knob		
	Washer		
	Butterfly Nut		
	Label		
	Warning Label		
	Motor Name Plate		
	Stop Pin		
101 JWS18HO-101	Dust Chute		1
	Spanner Wrench **		
	Collet w/Nut**		
	Collet w/Nut**		
	Motor Cord		
	Hex Cap Bolt		
	Screw		
	Lock Out Bracket		
	Nut		
	I.D. Label		
	Label (spindle direction)		
	Label (spindle lock)		
	Miter Gauge Complete (includes # 25 thru 30)		
	Hardware Kit (shaper - not shown)		
	Fence Assy Complete (not shown)		
JWS22CS-AP	Accessory Package		1

\*\* included in JWS22CS-HK, Hardware Kit



**Electrical Schematic for the Forward/Reverse Switch** 



**Reversible Switch** 



WALTER MEIER (Manufacturing) Inc.

427 New Sanford Road LaVergne, Tennessee 37086 Phone: 800-274-6848 www.waltermeier.com