

Jet 16.5" Drill Press (Model JDP-17MF)

The Jet 16.5" drill press is used to drill holes in material such as metal, wood, plastic, circuit boards, etc. The following rules must be observed when using it.

- Students must have taken the Baum Family Maker Space basic lab orientation and safety training.
- This is an ORANGE category equipment. Students must have received additional training specific for this piece of equipment from Maker Space staff or qualified student workers.
- Do not use the drill press if you are unsure about any aspect of its operation.
- Eye protection must be used at all times when using the drill press.
- If using a lubricant with the drilling, it is advised that you wear a shop apron or similar clothing to prevent the oil from being thrown onto your clothes.
- Before using it make sure you have familiarized yourself with the location of the start/stop switch.
- Do not have any loose clothing above the level of the drill press table the material is sitting on.
- Long hair must be tied back in such a way that it cannot reach the drill during operation. Make sure this cannot happen if you turn your head away from the drill thereby bringing the back of your head closer to the drill.
- Only use drill bits that have been provided by the lab staff.
- Do not use drill bits that are dull and require excessive force to cut a hole.
- All drill bits must be tightened properly in the chuck through the use of the chuck key that is kept near the drill press.
- If the chuck key is missing or broken, do not use the drill press and notify the lab manager or your professor.
- Drill bits must be fully inserted into the chuck and centered before tightening the chuck. After inserting a new drill bit and before drilling into any material turn on the drill press and check that the drill is rotating properly with no wobble.
- Whenever possible, the material being drilled into should be secured to the metal table below the drill bit.
- Adjust the height of the table by loosening it with the handle on the left and using the crank on the right to change the position. The table should be adjusted so the drill bit does not have to be lowered a long way before contacting the material to be drilled.



- In most situations, some sort of backing material should be placed under the item being drilled. Scrap wood is available in the Maker Space for this purpose.
- If possible, adjust the table so the drill bit cannot strike the metal table after passing through the material being drilled. Align the table so the drill bit passes through the hole in the center of the table.
- The cover on top over the belts and pulleys must be kept closed during operation.
- Use the correct drill speed for the type of material and the size drill.
- When changing the speed of the drill press, always unplug the drill press to prevent it from starting accidentally. Follow the instructions on page 13 of the manual and the speed chart on the inside of the top cover to change the position of the belts as needed.
- If any type of unsafe condition is noted, notify the lab manager or your professor. If necessary place a sign on the drill press warning other to not use it due to the problem.

Please refer to the manufacturer's manual on the following pages for additional information on the operation of the Jet drill press.



Operating Instructions and Parts Manual 17-inch Drill Press

Model JDP-17MF



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

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Warranty and Service

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

Warranty Period

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

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

Who is Covered

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

What is Covered

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

Warranty Limitations

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

How to Get Technical Support

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

More Information

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

How State Law Applies

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

Limitations on This Warranty

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

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

JET sells through distributors only. The specifications listed in JET printed materials and on official JET website are given as general information and are not binding. JET reserves 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® branded products are not sold in Canada by JPW Industries, Inc.

Product Listing with Warranty Period

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

NOTE: JET is a division of JPW Industries, Inc. References in this document to JET also apply to JPW Industries, Inc., or any of its successors in interest to the JET brand.

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Warnings

Wear eye protection.

Always keep guards in place and in proper operating condition. Do not operate the machine without the guards for any reason.

Support workpiece adequately at all times during operation; maintain control of work at all times.

This drill press is designed and intended for use by properly trained and experienced personnel only. If you are not familiar with the proper and safe operation of a drill press, do not use until proper training and knowledge have been obtained.

- **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 switches, 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 TOOL.** 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 following shows the correct size to use depending on the cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. Remember, the smaller the gauge number, the heavier the cord.

Total Length of Cord in Feet	
0-25	25-50
AWG	
16	14

- **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.
- **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.** The use of accessories and attachments not recommended by JET may cause hazards or risk of injury to persons.
- **NEVER STAND ON A MACHINE.** Serious injury could occur if the machine is tipped.
- **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.
- **NEVER LEAVE THE MACHINE RUNNING UNATTENDED. TURN POWER OFF.** Don't leave the machine until it comes to a complete stop.
- **DO NOT** operate tool while under the influence of drugs, alcohol or any medication.
- **DO NOT** drill pieces of material that are too small to be safely supported.
- **WHEN** drilling a large workpiece, provide additional support at table height.
- **ADDITIONAL INFORMATION** regarding the safe and proper operation of this product is available from the National Safety Council, 1121 Spring Lake Drive, Itasca, IL 60143-3201, in the Accident Prevention Manual for Industrial Operations and also in the safety Data Sheets provided by the NSC. Please also refer to the American National Standards Institute ANSI 01.1 Safety Requirements for Woodworking Machinery and the U.S. Department of Labor OSHA 1910.213 Regulations.

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

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

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

SAVE THESE INSTRUCTIONS

Refer to them often and use them to instruct others.

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

CAUTION

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

WARNING

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

Grounding Instructions

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

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This tool is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided. If it will not fit the outlet, have the proper outlet installed by a qualified electrician.

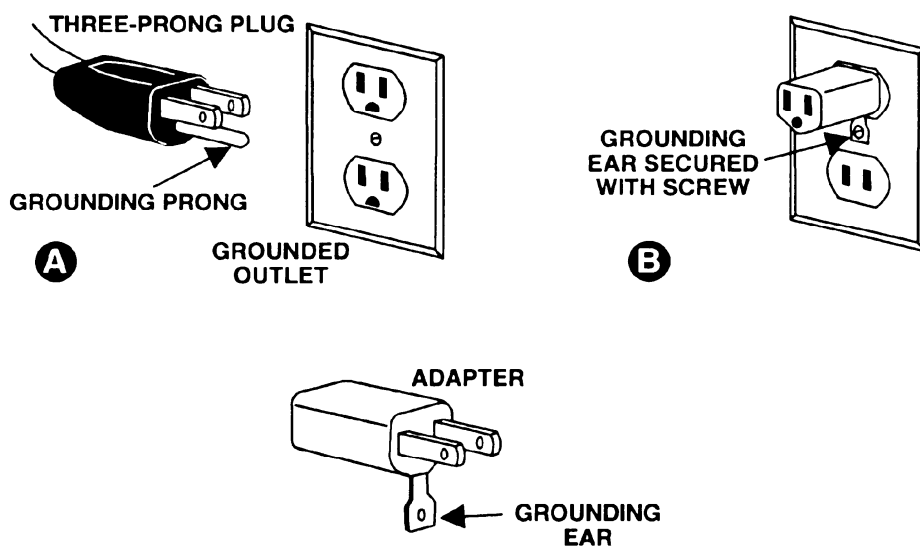
Improper connection of the equipment-grounding conductor can result in a risk of electric shock. The conductor, with insulation having an outer surface that is green with or without yellow stripes, is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the tool is properly grounded. Use only three wire extension cords that have three-prong grounding plugs and three-pole receptacles that accept the tool's plug.

Repair or replace a damaged or worn cord immediately.

115 Volt Operation

As received from the factory, your drill press is ready to run at 115 volt operation. This drill press, when wired for 115 volt, is intended for use on a circuit that has an outlet and a plug that looks like the one illustrated in (A). A temporary adapter, which looks like the adapter as illustrated in (B), may be used to connect this plug to a two-pole receptacle, as shown in (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 (B).



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 JET drill press is supplied with four motor leads that are connected for 115V operation, as shown in Figure A. Reconnect these four motor leads for 230V operation, as shown in Figure B.
3. The 115V attachment plug (A), supplied with the drill press, must be replaced with a UL/CSA listed plug suitable for 230V operation (D). Contact your local Authorized JET Service Center or qualified electrician for proper procedures to install the plug. The drill press must comply with all local and national codes after the 230 volt plug is installed.
4. The drill press with a 230 volt plug should only be connected to an outlet having the same configuration (D). No adapter is available or should be used with the 230 volt plug.

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.

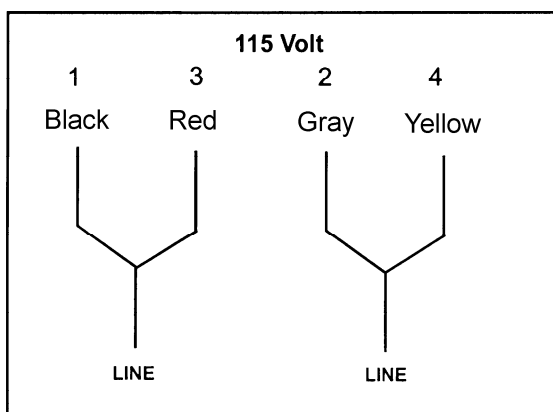


FIGURE A

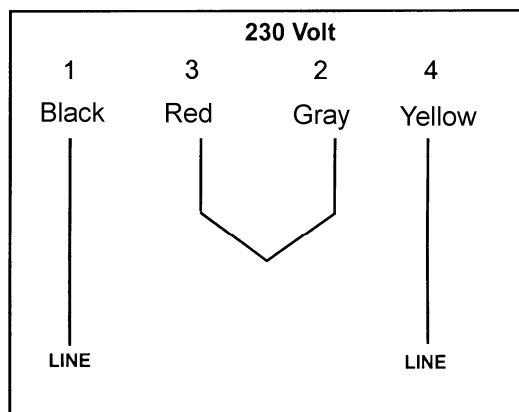
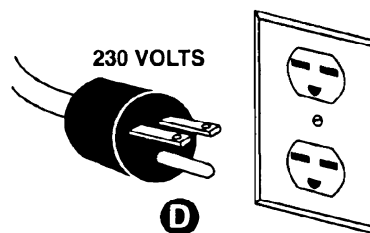
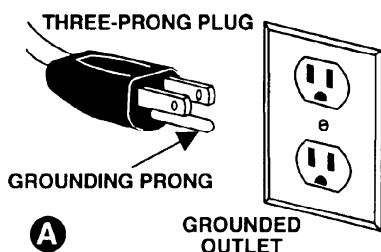


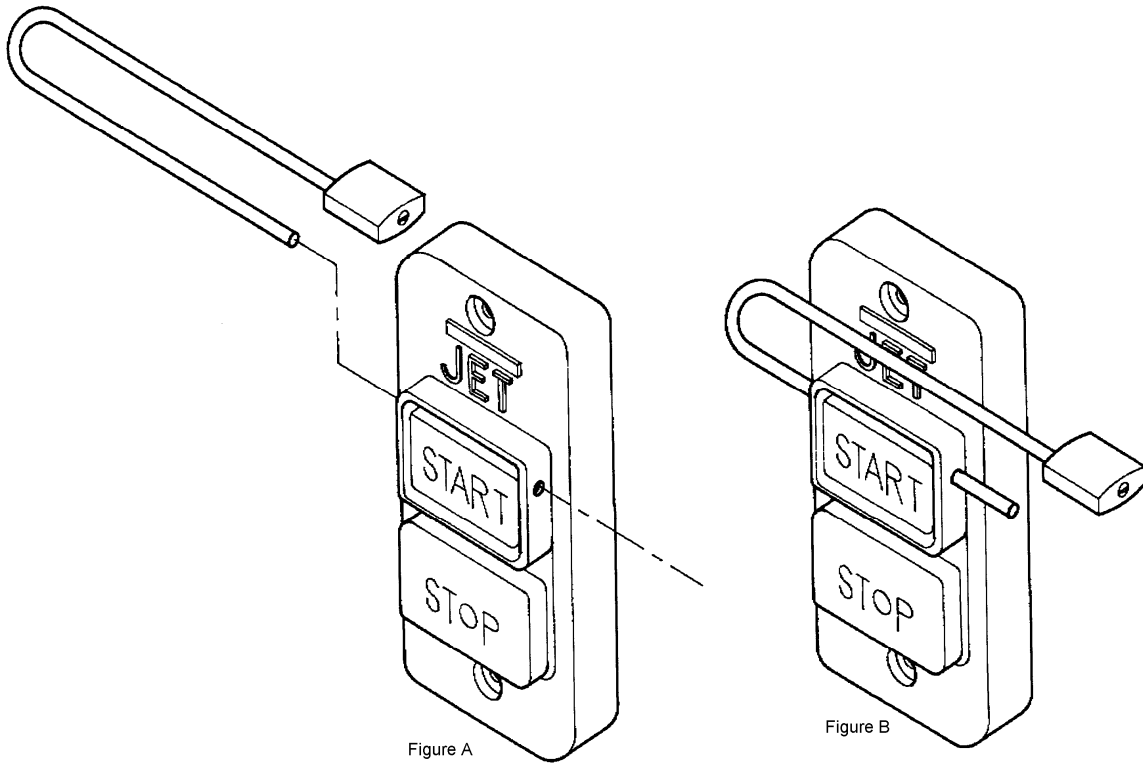
FIGURE B



NOTE: If 230V is needed, a 230V light bulb must be used in the lamp. Or, the lamp circuit may be re-wired in accordance with the diagram on page 22 and a 115V bulb may continue to be used.

On-Off Switch Padlock

To safeguard your machine from unauthorized operation and to avoid accidental starting by young children, the use of a padlock (not included) is highly recommended.



To lock out an on-off switch:

1. Open the padlock. See Fig. A.
2. Insert through holes in the start button. See Fig. B
3. Close the padlock.
4. Put the key in a safe place.

Introduction

This manual is provided by JET covering the safe operation and maintenance procedures for a JET Model JDP-17MF Drill Press. This manual contains instructions on installation, safety precautions, general operating procedures, maintenance instructions and parts breakdown. This machine has been designed and constructed to provide consistent, long-term operation if used in accordance with instructions set forth in this manual. If there are any questions or comments, please contact either your local supplier or JET. JET can also be reached at our web site: www.jettools.com.

Specifications

Stock Number	354169
Swing	16-1/2"
Type	Floor
Drilling Capacity	5/8"
Chuck Size	5/8"
Spindle Travel	4-3/8"
Spindle Distance to Base	49"
Spindle Distance to Table (max.)	29-1/8"
Quill Diameter	2"
Table Size Diameter	13-3/4"
Table Tilt	+ or - 45°
Table Slots	5/8"W
Spindle Taper	MT-2
Column Diameter	3-1/8"
Number of Spindle Speeds	16
Range of Spindle Speeds	200-3,630 RPM
Overall Height	66"
Base Size	12-1/2" x 19-5/8"
Base Slots	5/8"W
Motor	TEFC, 3/4HP, 1 Ph, 115/230V, prewired 115V, 60Hz
Net Weight (approx.)	189 lb.
Shipping Weight (approx.)	200 lb.

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

Unpacking

Contents of the Shipping Container

- 1 Head Assembly
- 1 Table
- 1 Column and Bracket Assembly
- 1 Base
- 1 Owner's Manual
- 1 Warranty Registration Card
- 1 Chuck and Chuck Key
- 3 Downfeed Handle
- 1 Table Bracket Lock Handle
- 1 Table Bracket Raising Handle
- 4 M10 x 40 Hex Cap Bolts
- 1 Arbor
- 1 Drift Key

Tools Supplied for Assembly

- 1 3mm Hex Wrench
- 1 5mm Hex Wrench

Tools Required for Assembly (not included)

- 1 17mm Box Wrench or a 6"-8" Adjustable Wrench
- 1 Rubber mallet (or hammer with wood block)

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

Before Assembly

1. Remove the contents from the shipping container.
2. Compare the contents of the shipping container with the list found above. Report any shortages or damage to your JET distributor.
3. Clean all rust protected surfaces with kerosene or a light solvent. Do not use lacquer thinner, paint thinner, or gasoline. These will damage plastic components and painted surfaces.



Assembly

1. Place the base (A, Figure 1) on a level floor.
2. With a 17mm wrench attach the column assembly (B, Figure 1) to the base (A, Figure 1) with four M10 x 40 hex cap bolts (C, Figure 1). Tighten firmly.
3. Thread lock handle (D, Figure 2) into the table bracket (E, Figure 2).

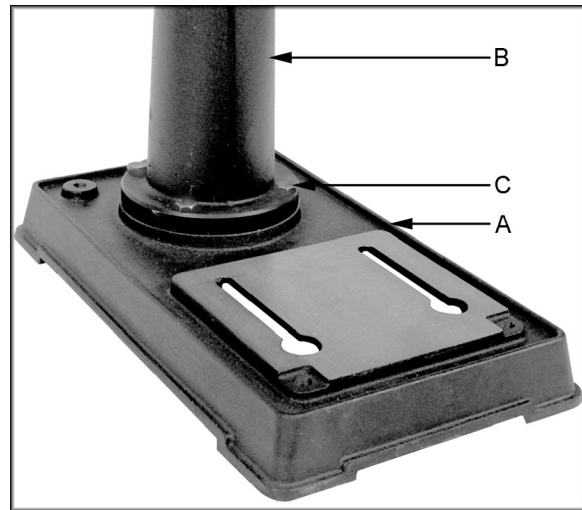


Figure 1

4. Loosen the set screw (F, Figure 3) on the raising handle (G, Figure 3) with a 3mm hex wrench.
5. Slide the handle onto the table bracket shaft.
6. Turn the handle until the set screw is opposite the flat section on the shaft, and tighten the set screw to secure the handle.

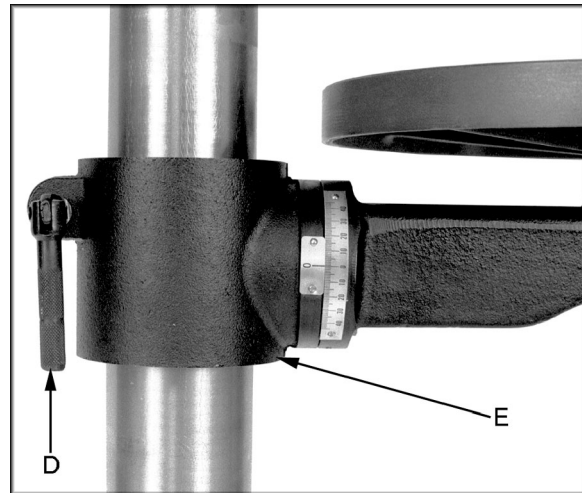


Figure 2

7. Insert the table (H, Figure 3) into the table bracket.
8. Tighten the table lock handle (I, Figure 3).
9. With the aid of a second person, carefully lift the head onto the column top.

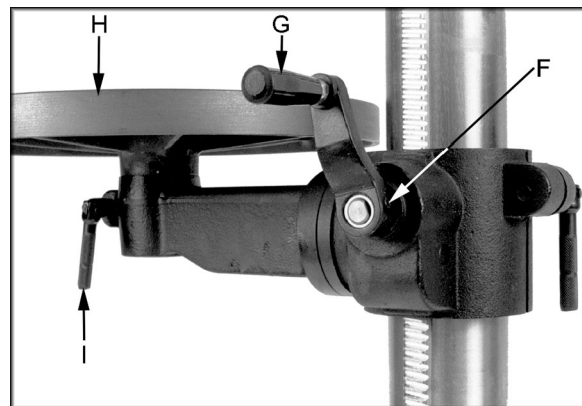


Figure 3

CAUTION The head assembly is heavy. Use care when lifting onto the column.

10. Rotate head assembly until sides of the belt cover are parallel with the sides of the base.

11. Tighten two set screws (A, Figure 4) with a 5mm wrench until they are snug.
12. Install three down feed handles (B, Figure 4) into the down feed hub (C, Figure 4).
13. Thoroughly clean spindle, arbor and chuck (A/B/C, Figure 5). **Important:** These three pieces must be free of any rust protectant, or lubricant. If they are not clean, the arbor and chuck will fail to seat in the spindle.

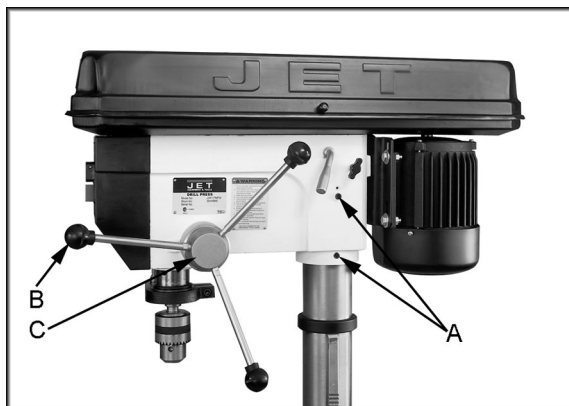


Figure 4

14. Turn the arbor until the tang on the arbor engages the slot at the end of the spindle. Slide arbor up into spindle.
15. Firmly push chuck by hand onto taper of arbor.
16. Make sure chuck jaws are opened all the way until they are inside chuck body. Use a few taps from a rubber mallet, or a hammer and a block of wood, against the bottom of the chuck to seat the chuck securely onto the arbor. **Do not use a steel-faced hammer directly against the chuck.**

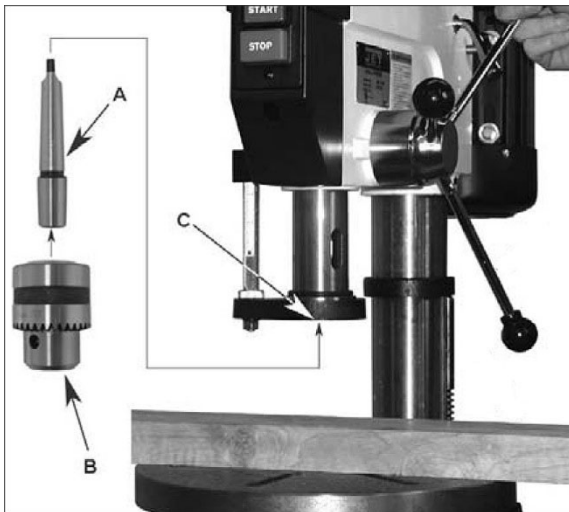


Figure 5

Removing the Chuck and Arbor

1. **Unplug machine from the power source.**
2. Raise the table until it is about seven inches below the chuck.
3. Place a piece of scrap wood on the table, and lower quill using the down feed handle.
4. Rotate spindle to align the key hole in the spindle with the key hole in the quill.
5. Insert the drift key (D, Figure 6) into the aligned slots and tap lightly. The chuck and arbor assembly should fall from the spindle.

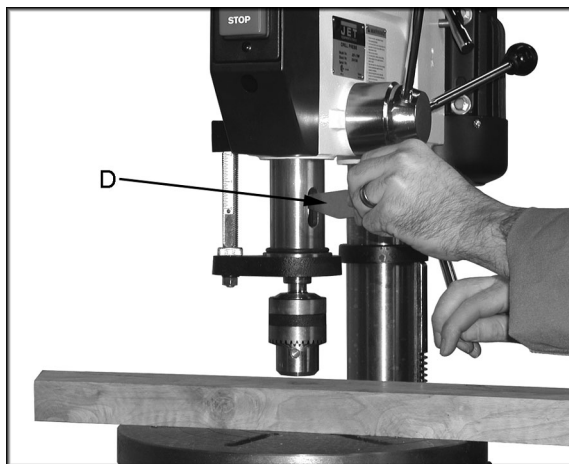


Figure 6

Adjusting the Depth Stop

To drill multiple holes at the same preset depth, use the depth stop:

1. Use a pencil to mark the depth the bit will drill into the workpiece (A, Figure 7).
2. With the drill bit in the chuck, lower down feed handle to advance bit to your mark, see Figure 7.
3. With your other hand, advance the lock nuts (B, Figure 7) on the depth stop rod until they are snug to the seat (C, Figure 7).
4. The drill bit will now advance to this point.
5. To release, advance the nuts counter-clockwise to the top of the depth stop.

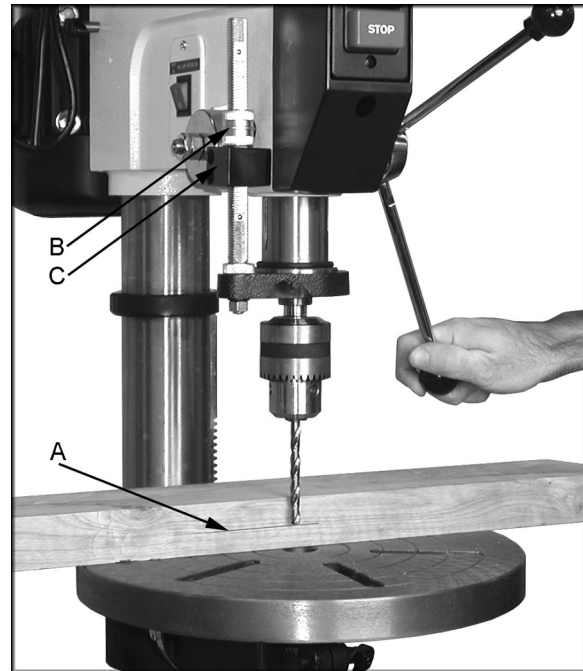


Figure 7

Changing Spindle Speeds

A spindle speed and belt arrangement chart are found on the inside of the belt cover (D, Figure 8). Refer to this chart whenever changing speeds. (A similar chart is shown in Figure 11.)

To change spindle speeds:

1. **Unplug the machine from the power source.**
2. Loosen two bar knobs (E, Figure 8) found on each side of the head assembly.
3. Rotate the tension adjuster (F, Figure 8) to bring the motor base as close to the head as possible.
4. Change the belts location according to the speed chart and the speed you desire.
5. Rotate the tension adjuster (F, Figure 8) to tension the belts.
6. Tighten two bar knobs (E, Figure 8). Belts are properly tensioned when finger and thumb pressure midway between the two pulleys causes approximately 1/2" deflection.

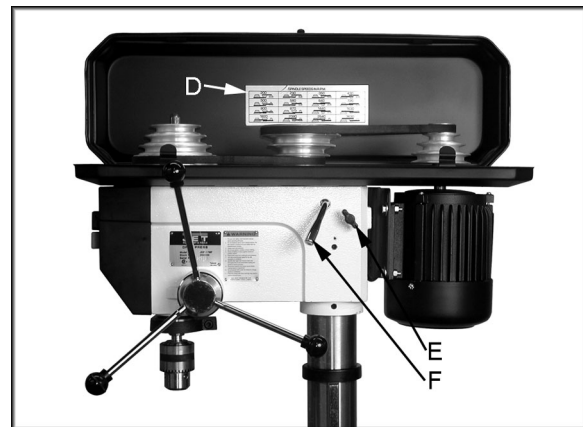


Figure 8

Return Spring Adjustment

The return spring is adjusted at the factory and should not need further adjustment. If adjustment is deemed necessary:

1. **Unplug the machine from the power source.**
2. Loosen two jam nuts (A, Figure 9). **Do not remove.**
3. Firmly hold the coil spring cover (B, Figure 9).
4. Pull out the cover and rotate until the pin (C, Figure 9) on the return spring plate engages the next notch in the coil spring cover. Turn the cover clockwise to decrease tension and counter-clockwise to increase tension.
5. Tighten two jam nuts (A, Figure 9). Do not over-tighten. Nuts should not contact the housing when tight. The jam nuts should be tightened against each other.



Figure 9

Work Light

Install a light bulb, no larger than 60 watts into the socket accessed from beneath the head. The light bulb is controlled by the rocker switch (D, Figure 9).

Table Tilt Adjustment

CAUTION Remove the alignment pin first and then loosen the hex cap bolt. Failure to comply may cause the table assembly to separate from the column and fall.

To tilt the table:

1. Turn nut (E, Figure 10) clockwise to pull out the alignment pin (F, Figure 10).
2. Loosen hex cap bolt (G, Figure 10), and tilt the table to the desired angle.
3. Tighten the hex cap bolt (G, Figure 10).
4. The alignment pin only works at 90° and must be reinserted when the table is returned to 90°.

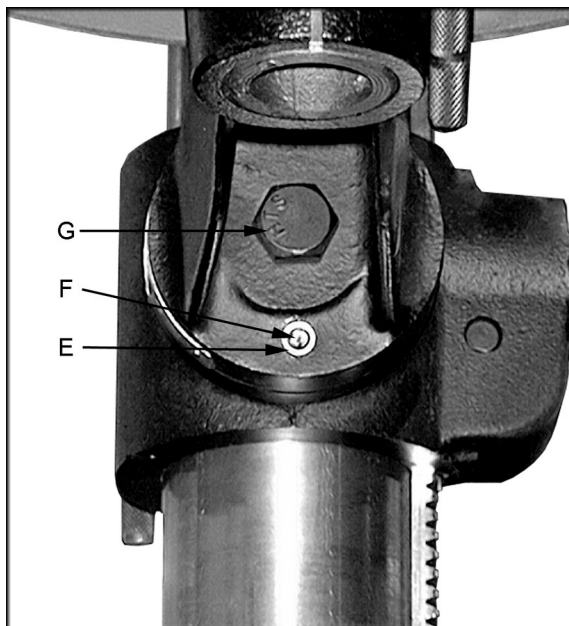


Figure 10

Basic Operation

- Always use a back-up piece of scrap wood to cover the table. This protects both the table and the drill bit.
- Place material to be drilled in such a way as to come into contact with the left side of the column. This prevents the material from spinning.

⚠ WARNING If the workpiece is not large enough to come into contact with the column, use a clamp or drill press vise that is securely fastened to the table. Failure to comply may cause serious injury.

- Feed the bit into the material with only enough force to allow the drill bit to work. Feeding too slowly may cause burning of the workpiece. Feeding too quickly may cause the motor to stop and/or the drill bit to break.
- Generally speaking, the smaller the drill bit, the greater the RPM required. Wood requires higher speeds than metal. Metal is usually drilled at slower speeds.
- In dusty environments, frequently blow out any dust that accumulates inside the motor.

Lubrication

Periodically lubricate the gear and the rack, the table elevation mechanism, the splines (grooves) in the spindle, and the teeth of the quill with a #2 tube grease.

SPINDLE SPEEDS IN R.P.M.

200	290	350	430
500	580	640	720
800	870	1440	1630
1820	2380	2540	3630

Figure 11

Troubleshooting the JDP-17MF

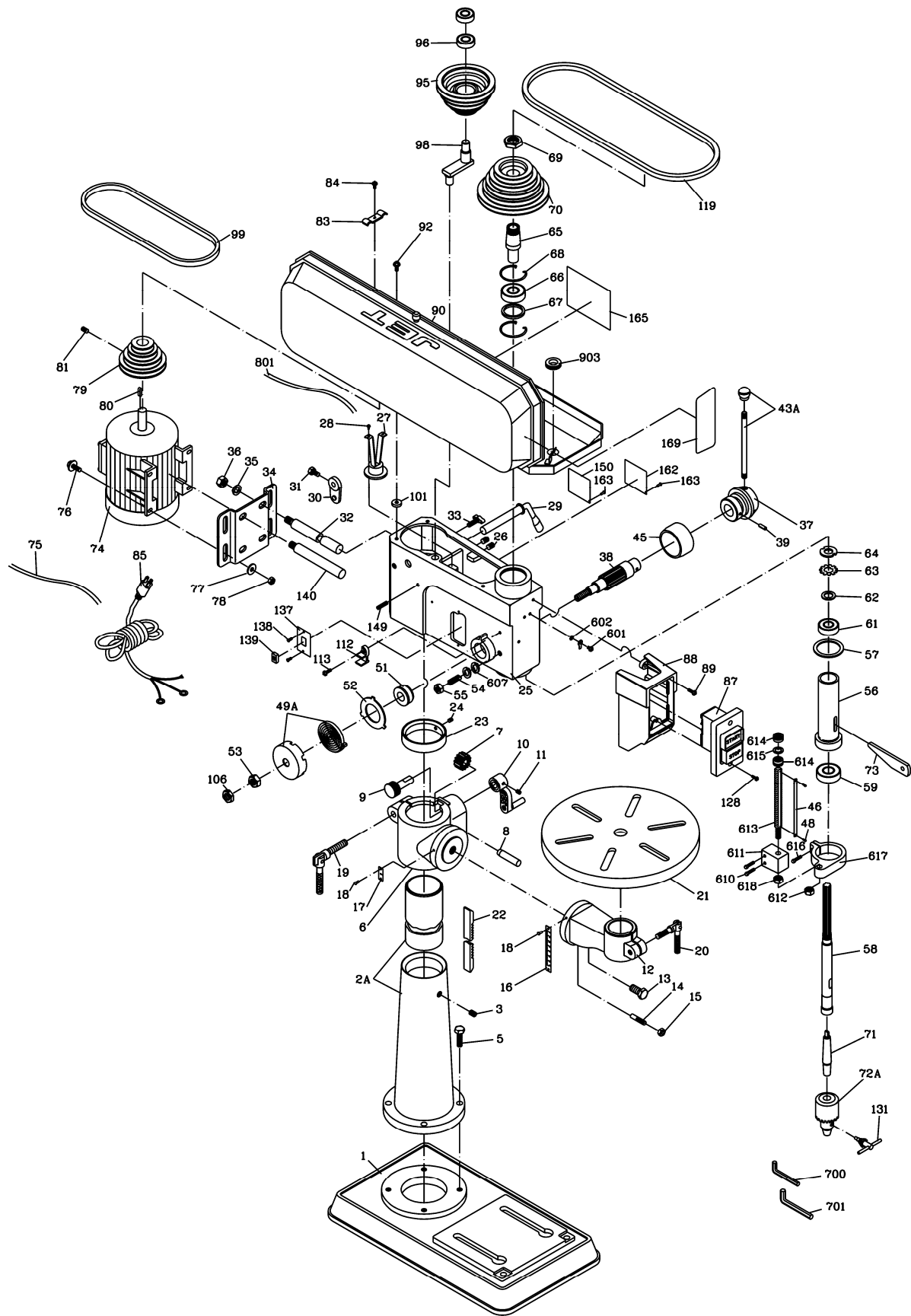
Trouble	Probable Cause	Remedy
Drill press will not start.	Drill press unplugged from wall, or motor.	Check all plug connections.
	Fuse blown, or circuit breaker tripped.	Replace fuse, or reset circuit breaker.
	Cord damaged.	Replace cord.
	Starting capacitor bad.	Replace starting capacitor.
Drill press does not come up to speed.	Extension cord too light or too long.	Replace with adequate size and length cord.
	Low current.	Contact a qualified electrician.
Drill Press vibrates excessively.	Stand on uneven surface.	Adjust stand so that it rests evenly on the floor.
	Bad belt(s).	Replace belts.
Noisy Operation.	Incorrect belt tension.	Adjust belt tension. See the <i>Changing Spindle Speeds</i> section.
	Dry spindle.	Lubricate spindle. See the <i>Lubrication</i> section.
	Loose spindle pulley.	Check tightness of retaining nut on pulley, and tighten if necessary.
	Loose motor pulley.	Tighten setscrews in pulleys.
Workpiece Burns.	Incorrect Speed.	Change to appropriate speed; see Speed and Pulley chart.
	Chips not clearing from hole or bit.	Retract drill bit frequently to remove chips.
	Dull drill bit.	Resharpen, or replace drill bit.
	Feeding too slowly.	Increase feed rate.
Drill bit wanders.	Bit sharpened incorrectly.	Resharpen bit correctly.
	Bent drill bit.	Replace drill bit.
	Bit, or chuck not installed properly.	Reinstall the chuck, or bit properly.
Wood splinters on the underside.	No backing board used.	Place a scrap board underneath the workpiece to prevent splintering.
Drill bit binds in workpiece.	Workpiece pinching the bit.	Support or clamp workpiece.
	Excessive feed rate.	Decrease feed rate.
	Chuck jaws not tight.	Tighten chuck jaws.
	Improper belt tension.	Adjust belt tension. See <i>Changing Spindle Speeds</i> section.
Excessive drill bit runout or wobble.	Bent drill bit	Replace drill bit.
	Worn spindle bearings.	Replace spindle bearings.
	Bit, or chuck not properly installed.	Reinstall the bit, or chuck properly.
Quill returns too slowly, or too fast.	Spring has improper tension.	Adjust return spring tension
Chuck, or arbor do not stay in place.	Dirt, grease, etc. on arbor, chuck or spindle.	Clean all mating surfaces thoroughly with a cleaner degreaser.

Replacement Parts

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

Non-proprietary parts, such as fasteners, can be found at local hardware stores, or may be ordered from JET. Some parts are shown for reference only, and may not be available individually.

JDP-17MF Drill Press Assembly



Parts List

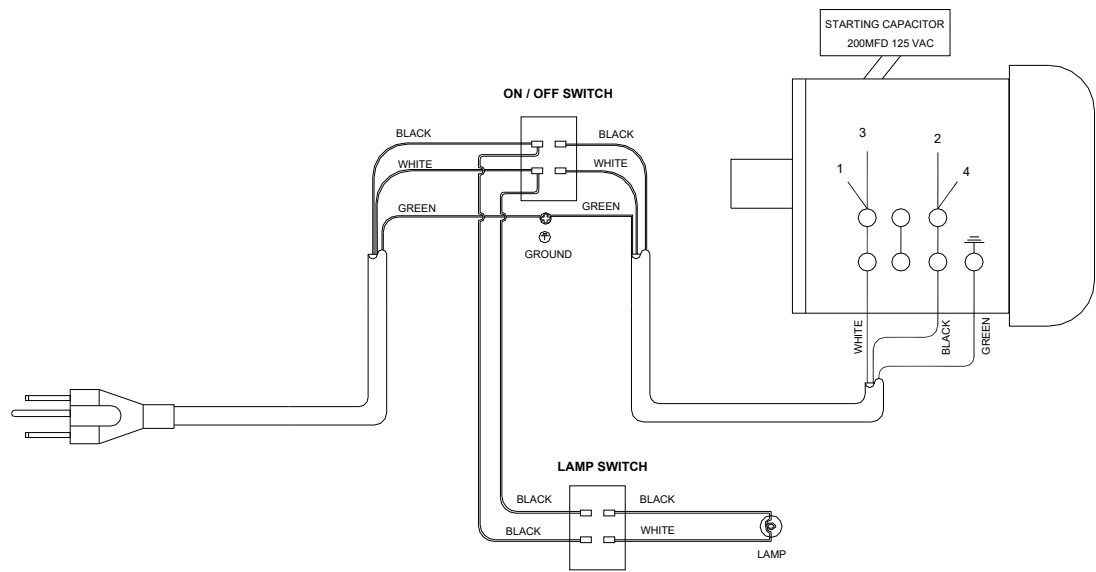
Index No.	Part No.	Description	Size	Qty
1	10600111	Base		1
2A	12909001A1	Column and Holder Assembly		1
3	TS-1525021	Set Screw	M10x12	1
5	TS-1491061	Hex Cap Bolt	M10x40	4
6	10700605A1	Bracket		1
7	10600702	Pinion Gear		1
8	10600802	Gear Shaft		1
9	10600902	Worm Pinion		1
10	10601002	Crank Handle		1
11	TS-1523031	Set Screw	M6x10	1
12	10901203A1	Table Bracket Assembly		1
13	TS-0071011	Hex Cap Bolt	5/8"x1-1/2"	1
14	10901402	Locator Pin		1
15	TS-0561011	Hex Nut	1/4"	1
16	10601601	Angle Scale		1
17	10801701	Centering Scale		1
18	2658MZDU36	Drive Screw		4
19	10601901	Column Lock Handle		1
20	10602001	Table Lock Handle		1
21	10702112	Table		1
22	10602205	Rack		1
23	10702307A1	Rack Ring		1
24	TS-1523031	Set Screw	M6x10	1
25	10902515A1	Head Casting		1
26	TS-1525021	Set Screw	M10x12	2
27	10602702	Lamp Socket		1
28	TS-1534042	Pan Head Screw	M6x12	2
29	10902091	Handle Shifter		1
30	10603002A1	Cam		1
31	TS-1490021	Hex Cap Bolt	M8x16	1
32	10703211	Slide Bar (right)		1
33	10903302	Slide Bar Bolt		2
34	10703414	Motor Base	75x125	1
35	TS-0720111	Lock Washer	1/2"	2
36	TS-1540071	Hex Nut	M12	2
37		Handle Body (re:17373839)		1
38	17373839	Feed Shaft Assembly (#37,38,39)		1
39		Spring Pin (re: 17373839)		1
43A	10604303A1	Handle Bar Assembly		3
45	10604505	Scale Ring		1
	JDP17MF-SA	Scale Assembly (includes #46, 48, 613)		1
46	10904616	Scale		1
48	2658MZDU36	Drive Screw		2
49A	10604902A2	Coil Spring and Cover		1
51	10905116	Spring Seat		1
52	10905203	Plate		1
53	TS-0561052	Hex Nut	1/2"-20UNF	1
54	10605403	Quill Set Screw		1
55	TS-1540071	Hex Nut	M10	1
56	10905612	Quill		1
57	10705703	Rubber Washer		1
58	10905829	Spindle		1
59	BB-6205ZZ	Ball Bearing		1
61	BB-6203Z	Ball Bearing		1
62	10606201	Washer		1
63	10606301	Lock Nut		1
64	10606401	Spindle Nut		1
65	10706508A1	Driving Sleeve		1
66	BB-6205Z	Ball Bearing		2
67	10706705	Collar		1

Index No.	Part No.	Description	Size	Qty
68	10706802	Retaining Ring		2
69	10606904	Pulley Set Nut		1
70	10607018	Spindle Pulley		1
71	561766	Arbor	MT2xJT3	1
72A	561708	Chuck		1
73	10607303	Wedge		1
74	8907522151	Motor		1
	82061041	Motor Fan (not shown)		1
	89075161	Motor Fan Cover (not shown)		1
	299155BA04	Centrifugal Switch (not shown)		1
	2992A55A14	Capacitor (not shown)	200MFD 125VAC	1
75	2808B530C3	Motor Cable		1
76	TS-1490041	Hex Cap Bolt	M8x25	4
77	TS-1550061	Flat Washer	M8	8
78	TS-1540061	Hex Nut	M8	4
79	10607970A1	Motor Pulley		1
80	2571MNC323	Parallel Key		1
81	TS-1524031	Set Screw	M8x12	1
83	12201501	Wire Clip		1
84	TS-1533042	Pan Head Screw	M5x12	1
85	2807BB08C4	Power Cable		1
87	DC1200-44	On-Off Switch		1
88	10908814	Switch Box		1
89	TS-1533052	Pan Head Screw	M5x16	3
90	10909012A1	Pulley Cover Assembly		1
92	2641BZDA40	Round Head Screw	M6x16	4
95	10092554	Center Pulley		1
96	BB-6202Z	Ball Bearing		2
98	10609801	Center Pulley Shaft		1
99	VB-A28	V-Belt	A28	1
101	TS-0680021	Flat Washer	1/4"	4
106	TS-0561052	Hex Nut	1/2"-20UNF	1
112	10611201	Chuck Key Holder		1
113	TS-1534042	Pan Head Screw	M6x12	1
119	VB-A29	V-Belt	A29	1
128	2653MBDE15	Tapping Screw		2
131	CK-16	Chuck Key		1
137	10913701	Switch Cover		1
138	TS-1533042	Pan Head Screw	M5x12	2
139	2852D55723	Bulb Switch		1
140	10714001	Motor Bar (left)		1
147	10214704	Protecting Rubber		1
149	2536MBE616	Spring Pin		2
150	10916904	I.D. Label		1
162	10916202	Warning Label		1
163	2658MZDU36	Drive Screw		8
165	10616519	Speed Chart		1
169	11316904	Nameplate		1
601	TS-1533032	Pan Head Machine Screw	M5x10	2
602	2504MZC005	Tooth Washer		2
607	TS-0720101	Lock Washer	7/16"	2
610	TS-1503081	Socket Head Cap Screw	M6x35	2
611	10661102	Seat		1
612	TS-1540081	Hex Nut	M12	1
613	10661301	Scale Bolt		1
614	13005701	Nut		2
615	13005601	Washer		1
616	TS-1504051	Hex Socket Cap Screw	M8x25	1
617	10761701	Set Ring		1
618	10661801	Circular Nut		1
634	TS-1551081	Lock Washer	M12	1
700	TS-152704	Hex Wrench	3MM	1

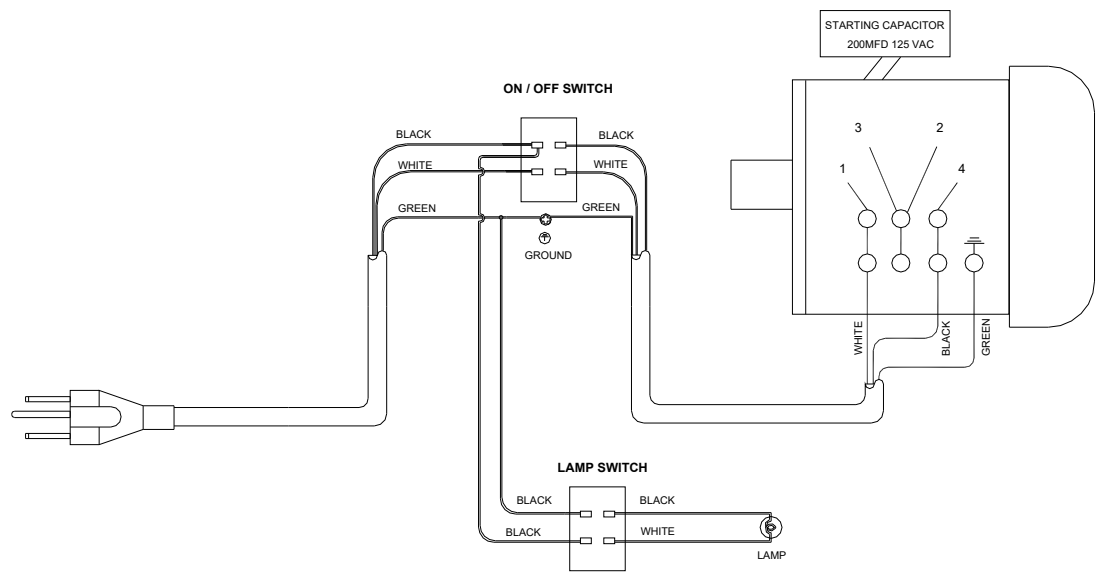
Index No.	Part No.	Description	Size	Qty
701	TS-152706	Hex Wrench	5MM	1
801	28065558U4	Bulb Wire		2
903	2801ABRF04	Strain Relief		2

Electrical Connections

JDP-17MF ELECTRICAL SCHEMATIC - 115V



JDP-17MF ELECTRICAL SCHEMATIC - 230V





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