



Operating Instructions and Parts Manual

5-Speed 10" Drill Press

Model: JWDP-10



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Part No. JT1-3162
Edition 2 05/2026
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1.0 Important Safety Instructions

⚠ WARNING

– To reduce risk of injury:

1. Read and understand the entire owner's manual before attempting assembly or operation.
2. Read and understand the warnings posted on the machine and in this manual. Failure to comply with all of these warnings may cause serious injury.
3. Replace the warning labels if they become obscured or removed.
4. This drill press is designed and intended for use only by properly trained and experienced personnel. If you are not familiar with the proper and safe operation of a drill press, do not use it until properly trained.
5. Do not use this drill press for anything other than its intended use. If used for other purposes, JET disclaims any express or implied warranty and holds itself harmless from any injury that may result from that use.
6. Always wear ANSI Z87.1-approved safety glasses or a face shield while using this drill press. (Everyday eyeglasses only have impact-resistant lenses; they are *not* safety glasses.)
7. Before operating this machine, remove neckties, rings, watches, and other jewelry, and roll up sleeves past the elbows. Do not wear loose clothing. Confine long hair. Non-slip footwear or anti-skid floor strips are recommended. Do not wear gloves.
8. Wear ear protectors (plugs or muffs) during extended periods of operation.
9. Do not operate this machine while tired or under the influence of drugs, alcohol, or any medication.
10. Make certain the switch is in the **OFF** position before connecting the machine to the power supply.
11. Make certain the machine is properly grounded.
12. Make all machine adjustments or maintenance with the machine unplugged from the power source.
13. 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.
14. Keep safety guards in place at all times when the machine is in use. If removed for maintenance purposes, use extreme caution and replace the guards immediately.
15. Maintain labels and nameplates on the tool. These carry important safety information. Replace any unreadable or missing labels.
16. Make sure the drill press is firmly secured to a stand or workbench before use.
17. Check damaged parts. Before further use of the machine, examine a guard or other part that is damaged. Determine if it will operate properly. If not, repair or replace before operating the machine.
18. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. Repair or properly adjust any condition found.
19. Provide for adequate space surrounding the work area and non-glare, overhead lighting.
20. Keep the floor around the machine clean and free of scrap material, oil, and grease.
21. Don't use in a dangerous environment. Don't use power tools in damp or wet locations or expose them to rain. Keep the work area well-lit.
22. Keep visitors a safe distance from the work area. **Keep children away.**
23. Make your workshop child-proof with padlocks, master switches, or by removing starter keys.
24. Give your work your undivided attention. Looking around, carrying on a conversation, and "horseplay" are careless acts that can result in serious injury.
25. Maintain a balanced stance at all times so that you do not fall or lean against the spindle or other moving parts. Do not overreach or use excessive force when operating any machine.
26. Use the right tool for the job. Do not force this drill press or any attachment to do a job for which it was not designed. The right tool will do the job better and more safely.
27. Use recommended accessories. Improper accessories may be hazardous.
28. Maintain tools with care. Keep drill bits sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories.
29. Disconnect machine from electrical power before servicing, or when changing accessories, such as blades, bits, cutters, etc.
30. Make sure the workpiece is securely attached or clamped to the table. Never use your hand to hold the workpiece.
31. Turn off the machine before cleaning. Use a brush or compressed air to remove chips or debris — do not use your bare hands.
32. Do not stand on the machine. Serious injury could occur if the machine tips over.
33. Never leave the machine running unattended. Turn the power off and do not leave the machine until it comes to a complete stop.
34. Remove loose items and unnecessary workpieces from the area before starting the machine.



WARNING: This product can expose you to chemicals including titanium dioxide which is known to the State of California to cause cancer, and 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>.

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 possibly even fatal, injury.

2.0 About this Manual

This manual covers the safe operation and maintenance procedures for the JET JWDP-10 5-speed drill press. This manual contains instructions for installation, safety precautions, general operating procedures, maintenance, and a parts breakdown. Your machine has been designed and constructed to provide consistent, long-term operation if used in accordance with the instructions set forth in this document.

If you have any questions or comments, please contact your local supplier or JET. JET can also be reached at our website: www.jettools.com.

Retain this manual for future reference. If the machine transfers ownership, the manual should accompany it.

⚠ WARNING

Read and understand the entire contents of this manual before attempting assembly or operation. Failure to comply may cause serious injury.

Register your product using the mail-in card provided or register online: www.jettools.com/product-registration

To quickly reach the product registration webpage, scan the QR code below.



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4.0 Specifications

Model Number JWDP-10
Stock Number JT1-3162

Motor and Electrical:

Motor 120V, 60Hz, 6.2A, 1PH, 0.25kW, 1725 RPM
Power Cord 3-Wire, 18AWG, 5.9 Ft. (1.8m)
Motor No-Load Current Values 5.4 - 6.1A
Motor No-Load Watt Values 160 - 220W

General Specifications:

Swing 10" (250mm)
Mild Steel Drilling Capacity 1/2" (13mm)
Chuck JT33, 1/16" – 1/2" (1.5-13mm)
Throat Depth 5" (127mm)
Number of Spindle Speeds 5
Range of Spindle Speeds (RPM) 630-3300
Column Diameter 1-7/8" (48mm)
Spindle Taper JT33
Spindle Travel 2" (50mm)
Spindle Distance to Base 17-5/16" (440mm)
Spindle Distance to Table (Max.) 13-3/8" (340mm)
Table Size 7-1/2" x 6-1/2" (190 x 165mm)
Table Tilt ±45°
Table Rotation Around Column 360°
Table Travel, Effective / Max Capacity Travel 10-7/16" (265mm)
Work Table Weight Capacity 44 lbs. (20kg)
Base Dimensions 13-7/16" x 8-3/16" (341 x 208mm)

Weights and Dimensions

Net Weight 48.5 lbs. (22kg)
Gross Weight 51.8 lbs. (23.5kg)
Machine Overall Dimensions 11" x 19" x 28-3/4" (280 x 485 x 730mm)
Packaging Overall Dimensions 24-1/16" x 15-3/8" x 12" (620 x 390 x 305mm)

The specifications in this manual are given as general information and are not binding. JET reserves the right to effect, at any time and without prior notice, changes or alterations to parts, fittings, and accessory equipment deemed necessary for any reason whatsoever.

5.0 Features and Controls

Refer to Figure 5-1:

- A. *Downfeed Handle* – Lower and raise spindle.
- B. *Start/Stop Switch* – Pull switch to start; push to stop. Remove key (yellow) to prevent machine from being started. The key can be removed while the machine is in operation, but the machine will not restart until the key is reinserted.
- C. *Depth Stop Adjustment (on opposite side, not seen)* – Allows drilling multiple holes at the same depth.
- D. *Lamp Switch* – Turns lamp on and off.
- E. *Laser Switch* – Turns laser on and off.
- F. *Chuck Key*.
- G. *Chuck* – Holds the drill bit.
- H. *Table*
- I. *Column*
- J. *Base*
- K. *Table Height Adjust Handle* – Raises and lowers table; column lock handle must be loosened/unlocked.
- L. *Table Lock Handle (on opposite side, not seen)* – Unlocking permits rotation of table.

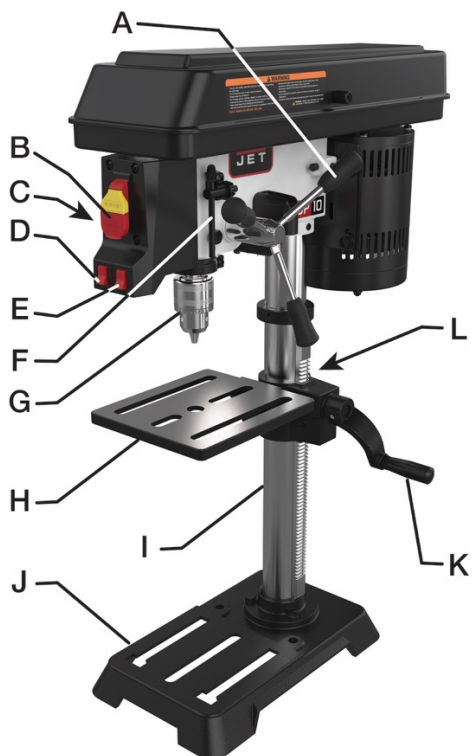


Figure 5-1

6.0 Unpacking

⚠ WARNING

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

Separate all parts from the packing material. Check each part against *Section 6.1, Contents of Shipping Container*, and ensure all items are accounted for before discarding any packing material.

6.1 Contents of Shipping Container

Refer to Figure 6-1.

- 1 Head Assembly – A
- 1 Column and Rack Assembly – B
- 1 Base – C
- 1 Table Assembly – D
- 1 Worm Gear – E
- 1 Chuck Key – F
- 1 Lock Handle – G
- 3 Column Mounting Bolts – H
- 3 Handles – I
- 1 Table Height Adjust Handle – J
- 2 Hex Wrenches (3mm & 4mm) – K
- 1 Chuck – L
- 1 Owner's Manual (not shown)
- 1 Warranty Registration Card (not shown)

Additional tools required: 13mm wrench

Before Assembly

- 1. Remove contents from shipping container.
- 2. Compare the contents of the shipping container with the list 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.

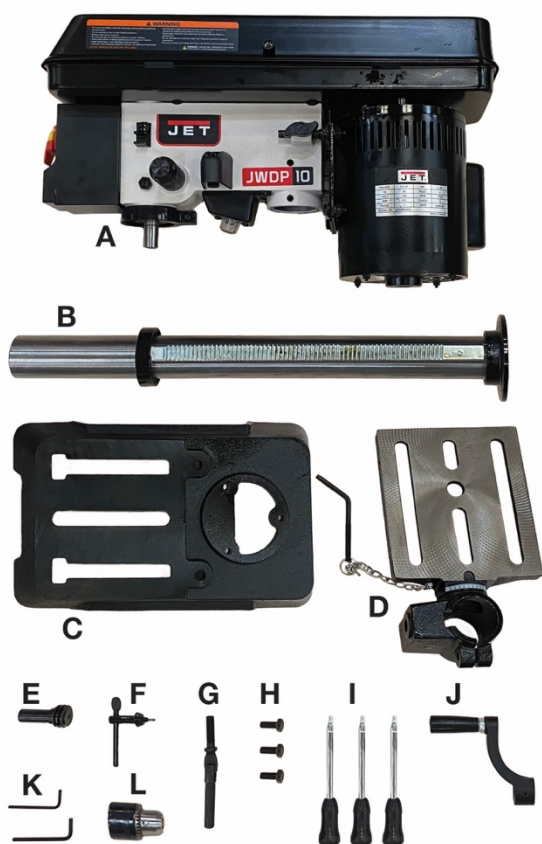


Figure 6-1: Contents of Shipping Container

7.0 Assembly

7.1 Mount Base to Workbench

Refer to Figure 7-1.

Before assembling the drill press, bolt the base (94) to a flat, level, solid workbench capable of supporting the drill press and any workpieces. Verify that the installation surface has no hidden utility lines before drilling or driving screws.

7.2 Attach Column to Base

Refer to Figure 7-1.

1. Loosen set screw (9) in rack collar (78) and remove rack collar and gear rack (92) from the column (101).
2. Place column base (93) on the base (94) and align the mounting holes.
3. Attach column base to drill press base. Insert three M8x25 bolts (102) through the column base mounting holes and into the threaded mounting holes of the base. Tighten bolts firmly.

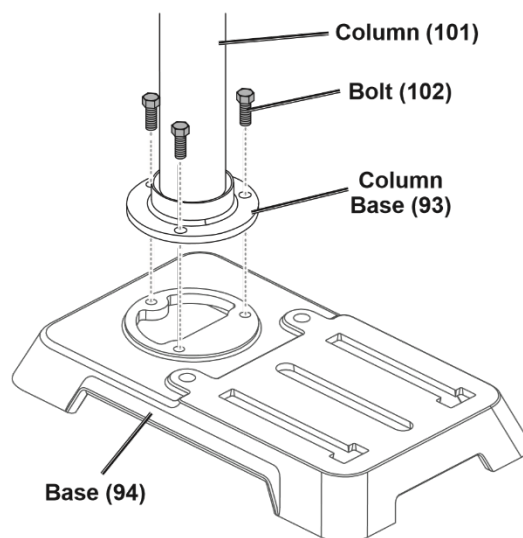


Figure 7-1

7.3 Attach Table to Column

Refer to Figures 7-2 through 7-4.

1. Assemble worm gear (84) and table lock handle (81) to the table support (82). Do not tighten the lock handle at this time.

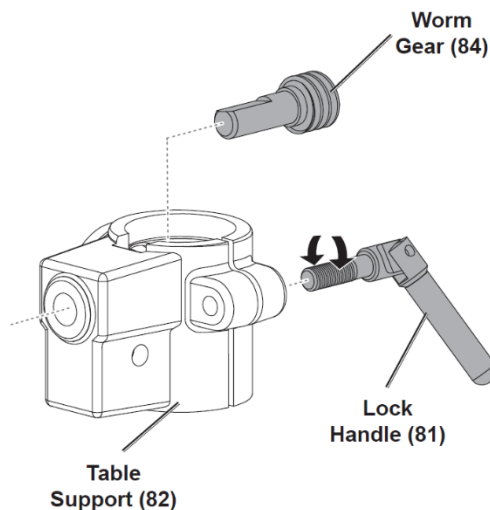


Figure 7-2

2. With the longer, smooth end of the gear rack (92) up, place the gear rack into the notch of the table support opening, making sure the gear rack meshes with the teeth of the inner gear (83).
3. Assemble the table (87) to the table support with the angle bolt (88).

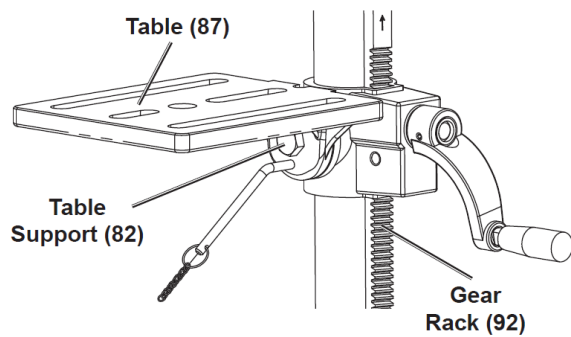


Figure 7-3

4. While holding the gear rack and table support as assembled, slide both down onto the column until the gear rack's bottom is positioned against the column base.
5. Replace rack collar, beveled side down, onto the column and slide it down over the top of the gear rack. Tighten set screw of the rack collar.

Note: Ensure that gear rack is not pinched. Gear rack should move freely when table is rotated around column.

6. Assemble the lift handle (85) to the end of the worm gear shaft and secure it in place with the set screw.

Note: Confirm the set screw engages the flat surface of the worm gear shaft.

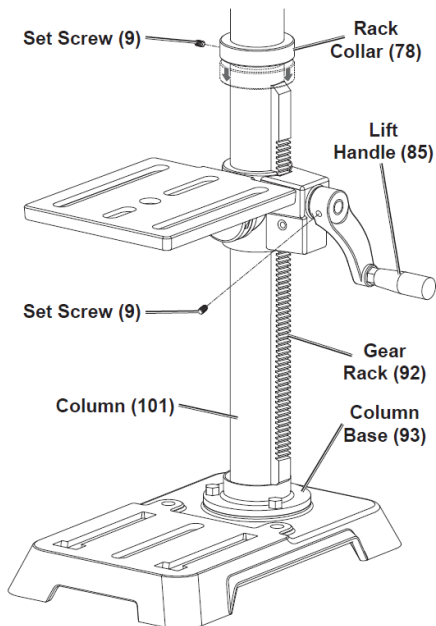


Figure 7-4

7.4 Attach Head Assembly to Column

Refer to Figure 7-5.

⚠ CAUTION

The head assembly is heavy. To avoid injury and/or damage to equipment, lift the head onto the column only with assistance.

1. Loosen the set screw (32) on each side of the head assembly. Check that the ends of the set screws do not extend into the column mounting cylinder.
2. With assistance, lift the head assembly above the column, and gently slide it down on the column as far as it will go. Make sure the head assembly slides completely onto the column.
3. Align the head assembly with the base and tighten the two set screws to secure the head assembly in place.

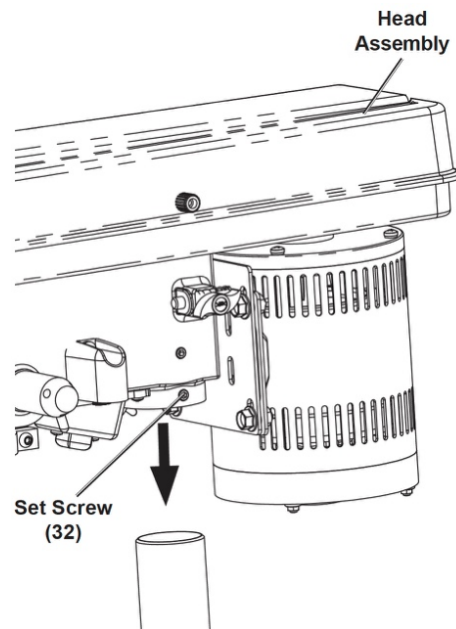


Figure 7-5

7.5 Attach Feed Handle Bars

Refer to Figure 7-6.

1. Thread the feed handle bars (27) into the feed bar seat (44) and tighten.
2. Thread the feed handle knobs (26) onto the feed handle bars and tighten.

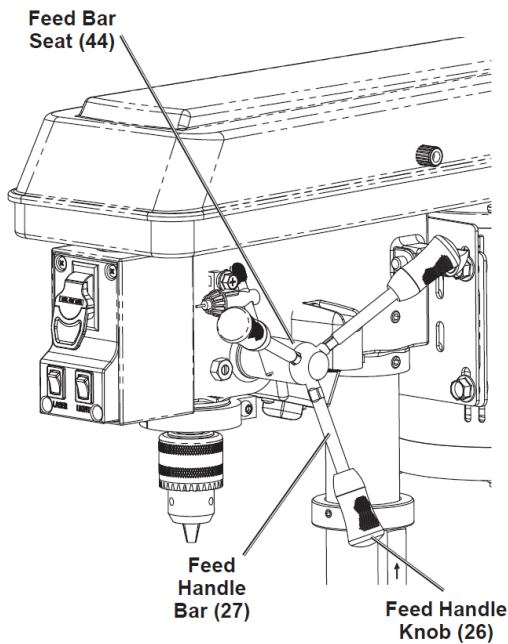


Figure 7-6

7.6 Installing/Removing the Chuck

Refer to Figure 7-7.

1. Loosen the table lock handle and slide the table up the column to within 6 inches of the spindle (71). Tighten the table lock handle.
2. Open the jaws of the chuck (76) to their maximum, using the supplied chuck key.
3. Put a piece of scrap wood on the table to protect the nose of the chuck. Make sure the wood is thick enough to withstand the pressure of installing the chuck in step 7.
4. Ensure all parts are thoroughly clean, dry, and burr-free. Place the chuck on the scrap wood, directly under the spindle.
5. Use the feed handle to gently lower the spindle so it is just entering the opening in the top of the chuck.
6. Examine the chuck from all sides to ensure it is properly aligned with the spindle.
7. Using the feed handles, lower the spindle all the way into the chuck. Press the chuck nose firmly against the scrap wood on the table to secure the chuck in place.

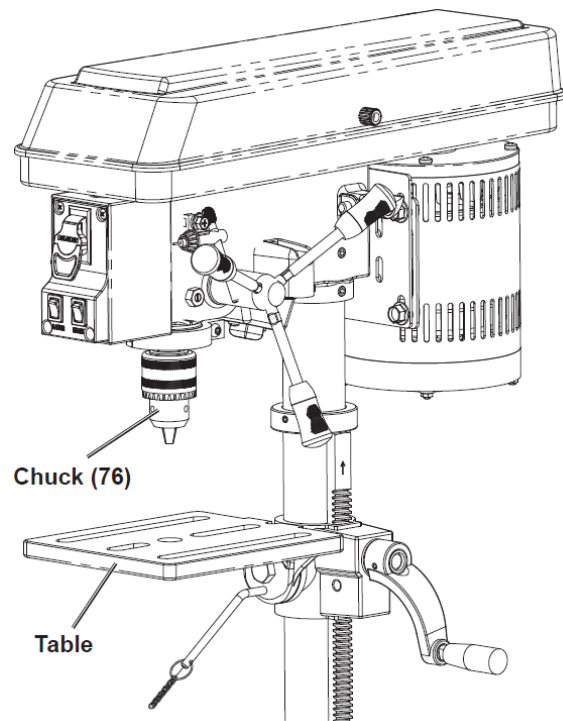


Figure 7-7

8.0 Electrical Connections

⚠ WARNING

All electrical connections must be made by a qualified electrician in compliance with all local codes and ordinances. Failure to comply may result in serious injury.

The JWDP-10 is rated at 120-volt power. The drill press comes with a plug designed for use on a circuit with a *grounded outlet*, as shown in Figure 8-1.

Before connecting to a power source, be sure the start/stop switch is in the **OFF** position.

It is recommended that the drill press be connected to a dedicated 15-amp circuit with a circuit breaker or fuse. If connected to a circuit protected by fuses, use a time delay fuse marked "D". **Local codes take precedence over recommendations.**

8.1 Grounding Instructions

This machine must be grounded. 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 (see Figure 8-1).

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 whose outer surface 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.

⚠ WARNING

Check with a qualified electrician or service personnel if the grounding instructions are not fully understood, or if in doubt about whether the tool is properly grounded. Failure to comply may cause serious or fatal injury.

Use only 3-wire extension cords that have 3-prong grounding plugs and 3-pole receptacles that accept the tool's plug.

Repair or replace a damaged or worn cord immediately.

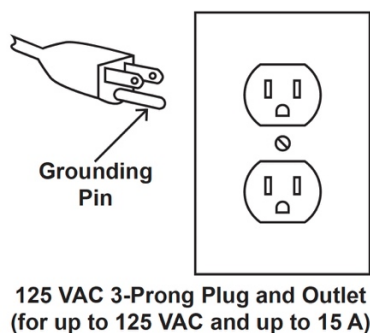


Figure 8-1

8.2 Extension Cords

Make sure your extension cord is in good condition. When using an extension cord, be sure to use one rated for the current your machine will draw. An undersized cord will cause a drop in line voltage, resulting in power loss and overheating. The table below 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.

Table 1

RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS (120 VOLT)				
Amp Rating (at full load)	Extension Cord Length			
	25	50	100	150
0 - 6	18	16	16	14
6 - 10	18	16	14	12
10 - 12	16	16	14	12
12 - 16	14	12	Not Recommended	

9.0 Adjustments

⚠ WARNING

Prevent serious injury from accidental operation. Turn machine off and unplug from the electrical outlet before performing any adjustments or maintenance.

⚠ WARNING

Prevent serious injury from accidental operation. Do not operate this machine with any guard disabled, damaged, or removed.

9.1 Table Adjustment

Refer to Figure 9-1.

1. Adjust the table (87) by loosening the lock handle (81), moving the table, and tightening the lock handle.
2. Tilt the table by removing the locator pin (20), loosening the angle bolt (88), and tilting to the required angle. The angle can be read using the angle scale (72). When returning the table to zero degrees (horizontal), re-insert the locator pin and tighten the angle bolt.
3. Ensure that the drill is perpendicular to the table. Insert and tighten a straight, round bar (not included) in the chuck. Place a square on the table, then bring its vertical edge up to the round bar. Adjust the angle as needed.

⚠ CAUTION

To prevent injury from unexpected table movement, tighten the angle bolt and lock the handle after adjustment.

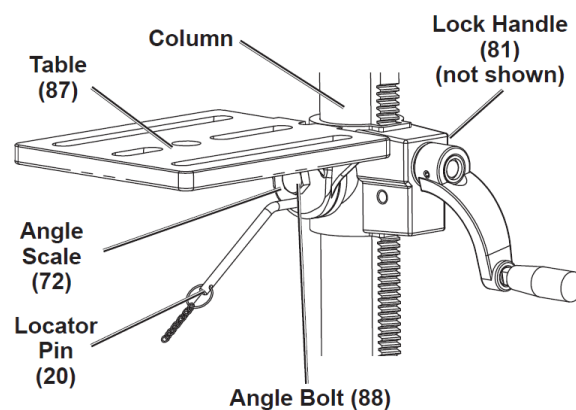


Figure 9-1

9.2 Setting a Drilling Depth

Refer to Figure 9-2.

Located on the left side of the headstock is the depth feed adjustment assembly. This allows drilling a series of holes to the same depth with a single setting.

1. Lower the drill bit until the tip contacts the workpiece. Hold the bit in this position.

2. Screw down the lower adjustment nut (65) on the stop rod (64) until the gap between the underside of the nut and the drill stop face equals the depth of the hole required.
3. Screw down the upper adjustment nut against the lower adjustment nut to lock the setting.

Note: Alternatively, drilling depth for a one-time procedure can be determined by lowering the drill until it contacts the workpiece. Note the position of the pointer (63) on the scale. Connect the drill to power, then turn it ON. Drill to the required depth using the scale as a guide.

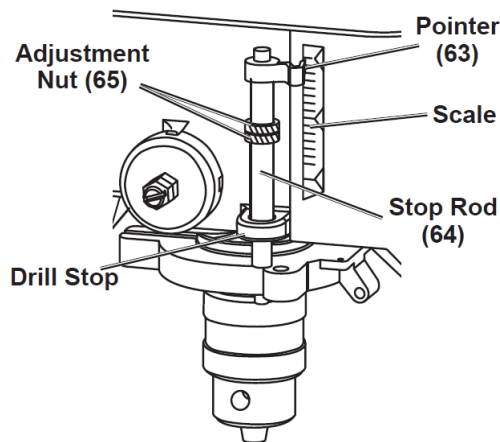


Figure 9-2

9.3 Changing Drill Speed

Refer to Figures 9-3 through 9-5 and Table 2.

1. Open the pulley cover.
2. Loosen the motor tension knob (42) on the headstock and move the motor (104) toward the headstock to relieve tension on the V-belt (45).

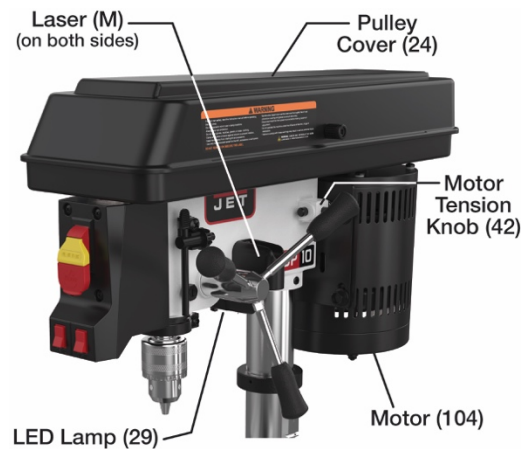


Figure 9-3

3. Consult the chart below and position the V-belt on the pulleys (2, 17) according to the desired drill speed.
4. When the belt has been correctly positioned, tighten it by pushing the motor away from the headstock until the belt deflects by approximately 1/2" at its center when using reasonable thumb pressure. Lock this position with the motor tension knob.

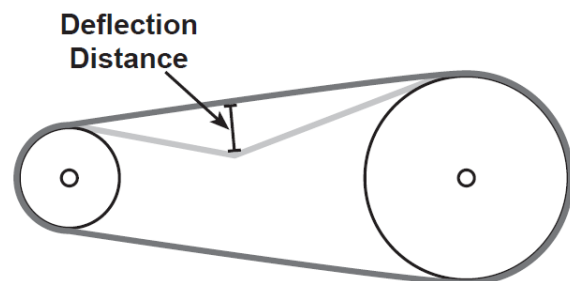


Figure 9-4

Note: If the belt is too long to be properly tensioned, it must be replaced.

Table 2

Speed Range (RPM)	WOOD		ALUMINUM / ZINC / BRASS		IRON / STEEL	
	Inch	mm	Inch	mm	Inch	mm
2000-3500	3/8	9.5	7/32	5.6	3/32	2.4
1400-2000	5/8	15.9	11/32	8.75	5/32	3.9
1000-1400	7/8	22.2	15/32	11.9	1/4	6.4
800-1000	1-1/4	31.75	11/16	17.5	3/8	9.5
200-800	1-5/8	41.3	3/4	19.0	1/2	12.7

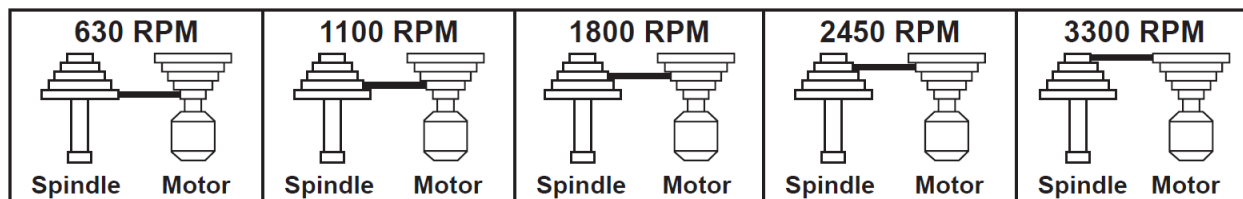


Figure 9-5

The chart above shows the belt arrangements for the given drill speeds.

A full chart is also located inside the pulley cover.

9.4 Drill Bit Installation

1. Insert the drill bit into the jaws of the chuck approximately 1", ensuring that the jaws do not touch the flutes of the drill bit.
2. Before tightening the chuck, ensure that the drill bit is centered within the jaws.
3. Tighten the chuck securely with the included chuck key.

9.5 Laser Alignment

Refer to Figure 9-6.

WARNING

Laser Radiation Hazard. Do not look directly into the laser beam or view it directly with optical instruments.

The laser guide assembly is installed and pre-set at the factory. Before operating the drill press, check the laser guide alignment and adjust if needed. Periodically check the alignment, as long-term machine vibration may cause it to become misaligned.

1. Insert a small drill bit into the chuck.
2. Place a piece of scrap wood on the table and secure it with a clamp.
3. Lower the drill bit and mark an 'X' on the scrap wood where it will make contact.
4. Turn on the laser and verify the laser lines are aligned with the 'X' on the scrap wood.
5. If the laser lines are not aligned to the 'X', loosen the set screws on each laser housing and rotate the laser adjustment knobs until the laser lines are aligned to the 'X'. Retighten the set screws.



Figure 9-6

9.6 Return Spring Adjustment

Refer to Figure 9-7.

The return spring is located opposite the downfeed handle hub and sets the downfeed handle's tension. It is adjusted at the factory and should not need further adjustment.

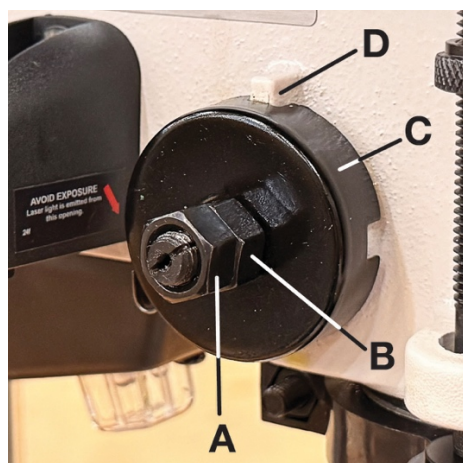


Figure 9-7

If adjustment is deemed necessary:

1. Loosen jam nut (A) and hex nut (B). Do not remove.

2. Pull the coil spring cover (C) out slightly while holding it firmly. DO NOT allow the coil spring cover to turn freely in your hand, or the spring will unwind.
3. Rotate the coil spring cover (C) until the cover's notch engages the tab (D) on the head casting. Turn the cover clockwise to decrease tension and counterclockwise to increase tension.
4. Tighten the hex nut (B) firmly **by hand** against the cover (C), then secure by tightening the jam nut (A) against the hex nut (B).

10.0 Operating Instructions

10.1 Workpiece and Work Area

⚠ WARNING Do not hold the workpiece with your bare hands while drilling. Secure the workpiece using a clamp or drill press vise securely fastened to the table. Failure to comply may cause serious injury if the workpiece is flung out while drilling.

1. Designate a work area that is clean and well-lit. Keep children and pets from the work area to prevent distraction and injury.
2. Route the power cord along a safe path to the work area, avoiding tripping hazards and potential damage. The power cord must reach the work area with enough extra length to allow free movement while working.
3. Set the table height and position so that the drill's travel range is sufficient to drill the workpiece.
4. Set the drilling depth so the bit does not contact the table. Align the table so the hole at its center is aligned with the bit.
5. Special care should be taken with materials that are irregularly shaped and cannot lie flat on the table. These workpieces should be securely blocked and clamped. Any tilting, twisting, or shifting will result in a poorly drilled hole and increase the risk of damaging the drill.
6. For flat work, lay the workpiece on a wooden base and clamp it firmly to the table to prevent it from turning.
7. For small materials that cannot be clamped to the table, use a drill press vise. Make sure the vise is clamped or bolted to the table.
8. When drilling completely through the workpiece, place a piece of scrap wood between the material and the table to prevent splintering on the underside as the drill breaks through. The scrap piece of wood must make contact with the left side of the column (see Figure 10-1). Securely clamp the other end of the scrap wood to the table. Also, set the drill

depth so the drill does not contact the table, or align the table so the center hole is aligned with the drill bit.

⚠ WARNING If the workpiece is not large enough to contact the column, use a clamp or drill press vise securely fastened to the table. Do not hold the workpiece with your bare hands while drilling. Failure to comply may cause serious injury if the workpiece is flung out while drilling.

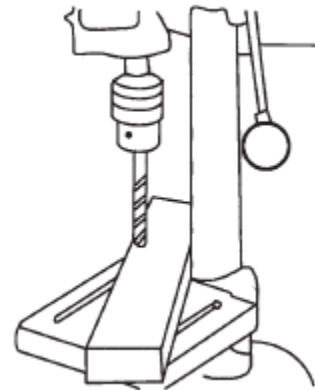


Figure 10-1

10.2 Basic Operation

1. Plug the power cord into an electrical outlet.
2. Turn on the LED lamp if extra light is needed.
3. Set the workpiece on the table.
4. Turn on the laser to mark the drilling location. Make minor workpiece alignment adjustments and secure. Follow all instructions under Section 10.1, Workpiece and Work Area, for positioning and securing the workpiece.
5. Turn the drill press on by pulling the START/STOP switch out.
6. Pull down on the feed handle and slowly drill the hole into the workpiece.
7. Turn the drill press off by pressing down the START/STOP switch.
8. To lock the drill press in the OFF position, remove the safety key from the START/STOP switch. Store the key in a safe place until next use.

⚠ WARNING To prevent serious injury, if the drill bit grabs and spins the workpiece, do not attempt to stop the spinning with your hands. Step back and turn off the drill press. Wait for the spindle to stop turning before dislodging the workpiece.

11.0 Maintenance

⚠ WARNING

Prevent serious injury from accidental operation. Turn the machine off and unplug it from the electrical outlet before performing any adjustments or maintenance.

⚠ WARNING

Prevent serious injury from tool failure. Do not use the tool if damaged. If abnormal noise or vibration occurs, have the problem corrected before further use.

11.1 Cleaning, Maintenance, and Lubrication

1. Before each use, inspect the general condition of the tool. Check for:
 - loose hardware
 - misalignment or binding of moving parts
 - cracked or broken parts
 - damaged electrical wiring
 - any other condition that may affect its safe operation.
2. After each use, wipe the external surfaces of the tool with a clean cloth.
3. Periodically, blow dust out of the motor vents with dry compressed air. Wear ANSI-approved safety goggles and NIOSH-approved respiratory protection when doing so.
4. Periodically lubricate the gear and the rack, the table elevation mechanism, the splines (grooves) in the spindle, and the teeth of the quill with No. 2 tube grease.

⚠ WARNING

If the tool's power cord is damaged, have it replaced immediately by a qualified service technician.

11.2 Belt Inspection and Tensioning

1. Examine the v-belt for cracks, tears in the backing, and other damage.
2. Replace the v-belt if damaged. Follow the instructions in *Section 9.3, Changing Drill Speed*.

12.0 Troubleshooting JWDP-10 Drill Press

WARNING

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

Table 3

Symptom	Possible Cause	Correction *
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 floor.
	Damaged belt.	Replace belt.
	Belt too loose or too tight.	Properly tension belt.
	Internal damage or wear. (Carbon brushes or bearings, for example.)	Have tool serviced.
Noisy operation.	Incorrect belt tension.	Adjust belt tension.
	Dry spindle.	Lubricate spindle.
	Loose spindle pulley.	Check tightness of retaining nut on pulley and tighten if necessary.
	Loose motor pulley.	Tighten set screws in pulleys.
	Internal damage or wear. (Carbon brushes or bearings, for example.)	Have tool serviced.
Workpiece burns.	Incorrect speed.	Change to appropriate speed.
	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 beneath 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.	Increase belt tension.
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.

Symptom	Possible Cause	Correction *
Quill returns too slow, or too fast.	Spring has improper tension.	Adjust return spring.
Chuck or arbor does not stay in place.	Dirt, grease, etc., on arbor, chuck, or spindle.	Clean all mating surfaces thoroughly with a degreasing cleaner.
Performance decreases over time.	Drill bit is dull or damaged.	Keep bits sharp. Replace as needed.
	Carbon brushes worn or damaged.	Have qualified technician replace brushes.
Overheating.	Forcing machine to work too fast.	Allow machine to work at its own rate.
	Drill bit dull or damaged.	Keep bits sharp. Replace as needed.
	Blocked motor housing vents.	Wear ANSI-approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air.
	Motor being strained by long or small diameter extension cord.	Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load. See Table 1

*  **WARNING** Some corrections may require a qualified electrician.

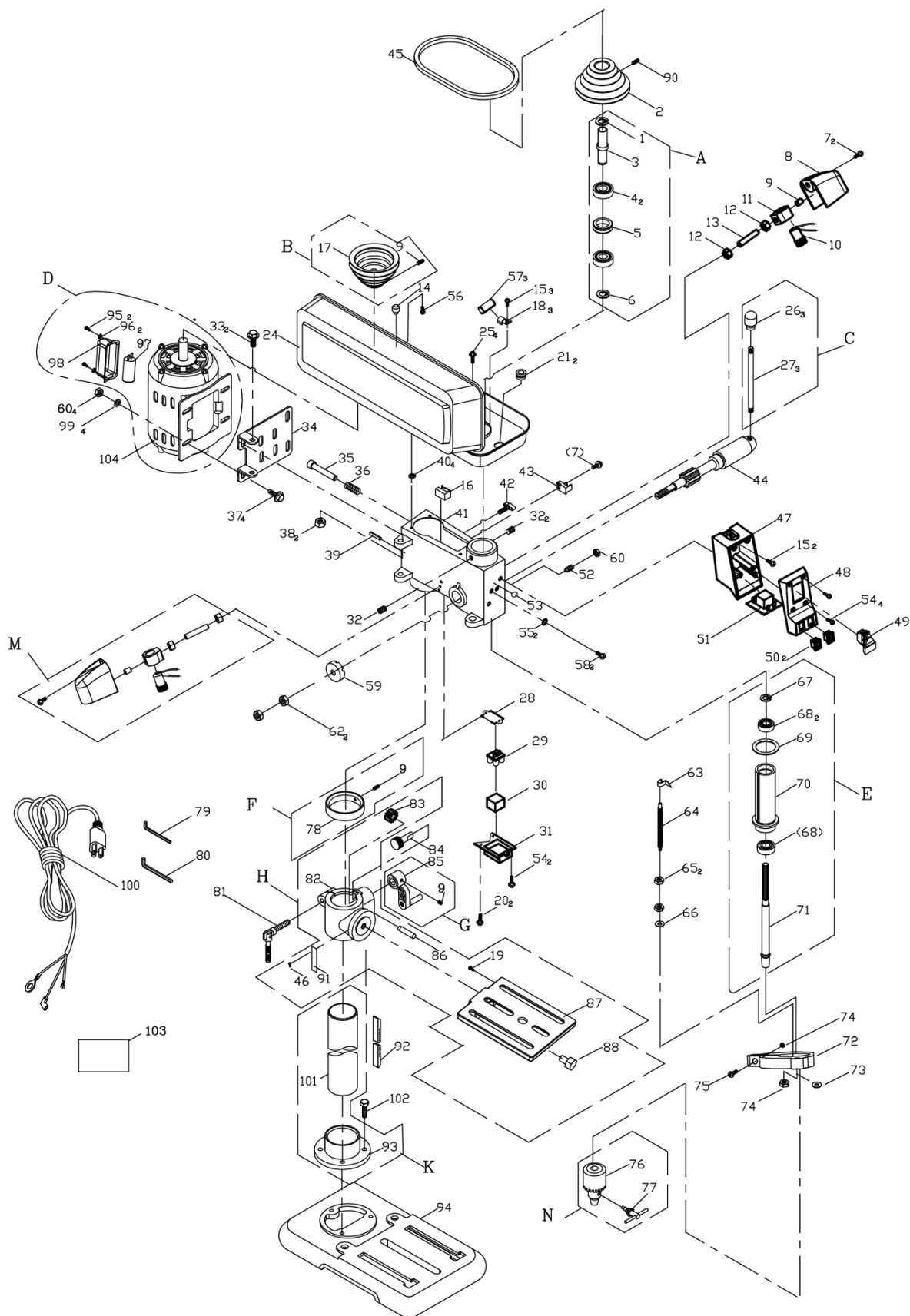
13.0 Replacement Parts

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 ready when you call will help us serve you quickly and accurately.

Non-proprietary parts, such as fasteners, can usually 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.

13.1.1 JWDP-10 Drill Press – Exploded View



13.1.2 JWDP-10 Drill Press – Parts List

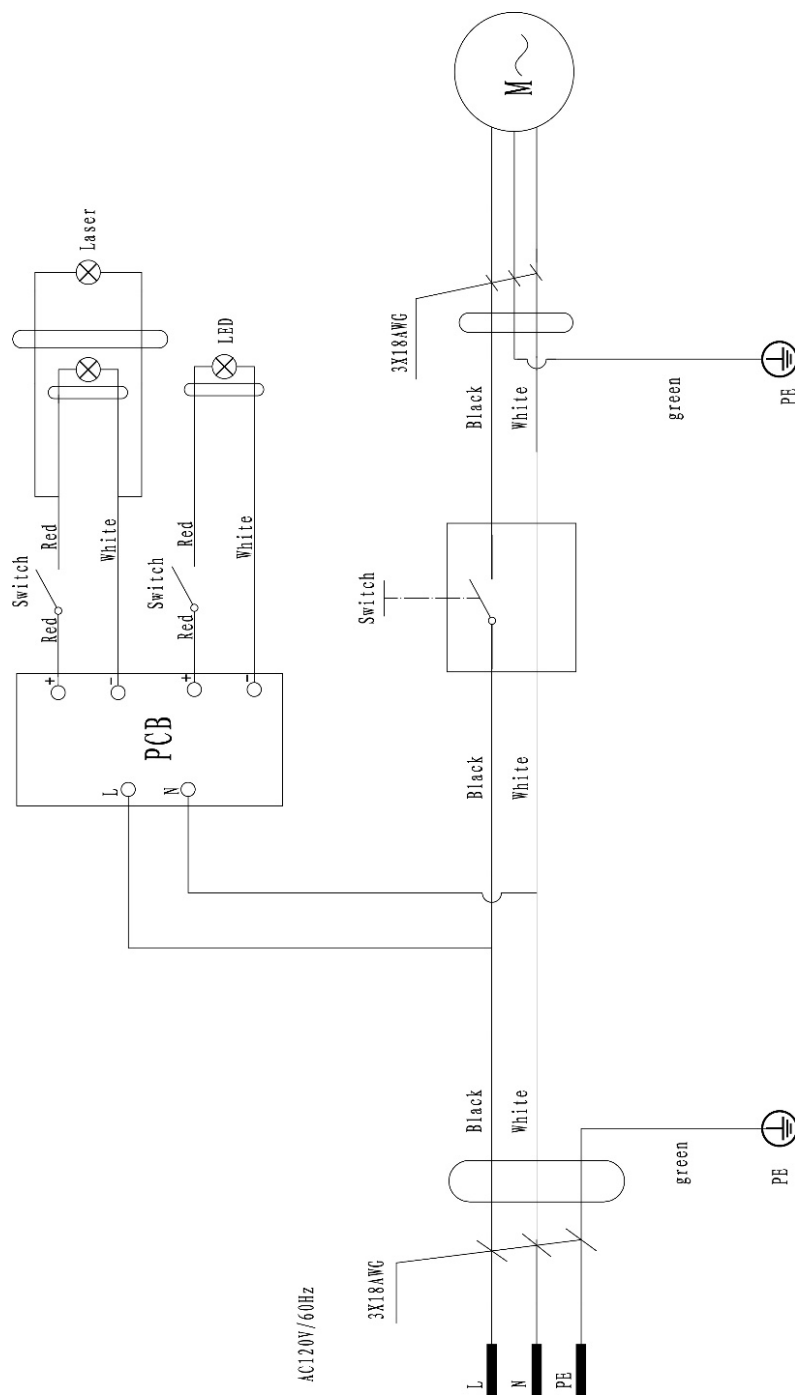
To order parts or reach our service department, call 1-800-274-6848 Monday through Friday, 8:00 a.m. to 5:00 p.m. CST. Having the Model Number and Serial Number of your machine available when you call will allow us to serve you quickly and accurately.

Index No	Part No	Description	Size	Qty
1	**	Spindle Nut	M22	1
2	JT1-3548	Spindle Pulley		1
3	JT1-3549	Drive Sleeve		1
4	**	Ball Bearing	6203RZ	2
5	**	Retainer	PA6	1
6	**	Retaining Rings, EXT	M17	1
7	**	Pan Head Mach. Screw	M6X10	2
8	**	Laser Cover		2
9	**	Socket Set Screw, Cup Point	M6X10	4
10	JT1-3550	Laser Assy	RDP102L	2
11	JT1-3551	Laser Base		2
12	JT1-3552	Thin Hex Nut	M6P1.0	4
13	JT1-3553	Socket Set Screw, Flat Point	M6X25	2
14	JT1-3554	Pulley Cover Knob		1
15	**	Pan Head Mach. Screw	M5X12	6
17	JT1-3555	Motor Pulley		1
18	**	Wire Fix Plate		3
21	**	Rubber Bush		3
24	JT1-3556	Pulley Cover Assy		1
25	**	Pan Head Mach. Screw with Flange	M6X12	4
26	JT1-3557	Handle Knob		3
27	JT1-3558	Handle Bar		3
28	JT1-3559	LED Pressure Plate		1
29	**	LED Lamp		1
30	**	LED Lamp Cover		1
31	**	LED Lamp Base		1
32	**	Socket Set Screw, Flat Point	M8X8	4
33	**	Hex Flange Bolt	M8X25	2
34	JT1-3560	Motor Plate		1
35	**	Motor Rod Assy		1
36	**	Compressor Spring		1
37	**	Hex Flange Bolt	M8X16	4
38	**	Hex Nut, Nylon Lock	M8	2
39	**	Spring Pin	4X18	1
40	**	Flat Washer		4
41	**	Head		1
42	**	Plastic Knob		1
43	JT1-3561	Key Holder		1
44	JT1-3562	Quill Shaft		1
45	JT1-3563	Belt K-30		1
46	**	Rivet	φ2.3-5	1
47	JT1-3564	Switch Box		1
48	JT1-3565	Switch Box Cover		1
49	JT1-3566	Start/Stop Switch		1
50	JT1-3567	Laser Switch		2
51	JT1-3568	Circuit Board		1
52	**	Quill Set Screw		1
53	**	Earth Mark		2
54	**	Rounded Head Drilling Screws	S4.2X12	4
55	**	Serrated Lock Washers External Teeth	M5	2
56	**	Pan Head Mach. Screw with Flange	M5X12	2
57	**	Grease Pipe		1
58	**	Pan Head Mach. Screw Assy	M5X6	2
	**	Pan Head Mach. Screw	M5X6	2

Index No	Part No	Description	Size	Qty
	**	Flat Washer	M5	2
	**	Lock Washer	M5	2
59	JT1-3569	Spring Cover Assy		1
60	**	Hex Nut	M8	5
62	**	Hex Nut	3/8X24UNF T=8	2
63	**	Pointer		1
64	JT1-3570	Depth Scale Bolt		1
65	JT1-3571	Thin Hex Nut	M10	2
66	**	Fender Washer	M6	1
67	**	Retaining Rings, EXT	M11	1
68	**	Ball Bearing	6201RZ	2
69	**	Rubber Pad		1
70	JT1-3572	Quill		1
71	JT1-3573	Spindle		1
72	JT1-3574	Scale Base		1
73	**	Flat Washer	M6	1
74	**	Hex Nut	M6	2
75	**	Socket Head Button Screw	M6X20	1
76	JT1-3575	Chuck JT33		1
77	JT1-3576	Chuck Key		1
78	JT1-3577	Rack Collar		1
79	**	Wrench	3X57	1
80	**	Wrench	4X64	1
81	JT1-3578	Table Lock Knob		1
82	JT1-3579	Table Support		1
83	JT1-3580	Inner Gear		1
84	JT1-3581	Worm		1
85	JT1-3582	Lift Handle		1
86	**	Inner Gear Shaft		1
87	JT1-3583	Work Table		1
88	**	Hex Bolt		1
90	**	Socket Set Screw, Flat Point	M8X8	2
91	**	Table Angle Scale		1
92	JT1-3584	Rack		1
93	JT1-3585	Column Base		1
94	JT1-3586	Base		1
95	**	Pan Head Mach. Screw	M4X6	2
96	**	Flat Washer	M4	2
97	JT1-3587	Capacitor		1
98	JT1-3588	Capacitor Box		1
99	**	Flat Washer	M8	4
100	**	Power Cord	3-Wire, 18AWG	1
101	JT1-3589	Column		1
102	**	Hex Cap Screw	M8X25	3
103	**	Manual		1
104	JT1-3590	Motor		1
A	JT1-3591	Drive Assy.		1
B	JT1-3592	Motor Pulley Assy.		1
C	JT1-3593	Handle Assy.		3
D	JT1-3594	Motor Assy.		1
E	JT1-3595	Quill Assy.		1
F	JT1-3596	Rack Collar Assy.		1
G	JT1-3597	Lift Handle Assy.		1
H	JT1-3598	Work Table Assy.		1
K	JT1-3599	Column Assy.		1
M	JT1-3600	Laser Assy		2
N	JT1-3601	Chuck & Key	JT33	1

** These parts are shown for reference only and are not available for order individually. Non-proprietary parts, such as fasteners, can usually be found at local hardware stores.

14.0 Electrical Connections – JWDP-10



15.0 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 outside recommended guidelines 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.

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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

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