

# SETUP & OPERATION MANUAL

## FEATURES

Adjustable spindle tension return spring.

Built-in laser pointer.

Sturdy design with cast-iron head, base, and table.

High-quality bearings for smooth, vibration-free operation.

Simple hand lever controlled mechanical variable speed from 280 to 2100 rpm.

Digital spindle speed display.

Industrial-quality 120 V motor.

Chuck with key.

Easy to use see-through flip-up chuck guard included.

Crank-operated rack and pinion table height-adjustment.

## SPECIFICATIONS

- Swing  
15" (390 mm) - # 75-155  
17" (430 mm) - # 75-165  
20" (515 mm) - # 75-510
- Drilling capacity / Chuck size  
3/4" (20 mm) / 5/8" (16 mm) - # 75-155  
1 1/8" (28 mm) / 5/8" (16 mm) - # 75-165  
1 1/4" (32 mm) / 3/4" (20 mm) - # 75-510
- Spindle travel  
3 1/8" (80 mm) - # 75-155/165  
4 3/4" (120 mm) - # 75-510
- Spindle distance to table / to base  
29 3/8" (745 mm) / 48 1/2" (1230 mm) - # 75-155  
29" (735 mm) / 48 5/8" (1235 mm) - # 75-165  
27 3/4" (705 mm) / 46 7/8" (1190 mm) - # 75-510
- Table size  
(Diameter) 12 3/8" (315 mm) - # 75-155  
13 3/16" x 13 3/16" (335 x 335 mm) - # 75-165  
18 3/4" x 16 3/4" (475 x 425 mm) - # 75-510
- Column diameter  
2 3/4" (70 mm) - # 75-155  
3 1/8" (80 mm) - # 75-165  
3 5/8" (92 mm) - # 75-510
- Spindle speeds  
(Variable speed) - 280 to 2100 rpm
- Spindle taper  
MT 2 - # 75-155 / MT 3 - # 75-165/510
- Overall height  
63 3/8" (1610 mm) - # 75-155  
64 3/8" (1635 mm) - # 75-165  
67" (1700 mm) - # 75-510
- Base size  
17" x 10 1/2" (430 x 265 mm) - # 75-155  
20 1/4" x 12" (515 x 303 mm) - # 75-165  
23 5/8" x 15 3/4" (600 x 400 mm) - # 75-510
- Motor  
1/2 HP, 120 V, 5A - # 75-155  
3/4 HP, 120 V, 6.5A - # 75-165  
1 HP, 120 V, 10A - # 75-510
- Weight  
136 lbs (62 kg) - # 75-155  
161 lbs (73 kg) - # 75-165  
284 lbs (129 kg) - # 75-510

## 15", 17" & 20" DRILL PRESSES - VARIABLE SPEED



# MODELS

#75-155  
#75-165  
#75-510





**GENERAL® INTERNATIONAL**

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**THANK YOU** for choosing this General® International model 75-155, 75-165 or 75-510 drill press. This drill press has been carefully tested and inspected before shipment and if properly used and maintained, will provide you with years of reliable service. For your safety, as well as to ensure optimum performance and trouble-free operation, and to get the most from your investment, please take the time to read this manual before assembling, installing and operating the unit.

The manual's purpose is to familiarize you with the safe operation, basic function, and features of this drill press as well as the set-up, maintenance and identification of its parts and components. This manual is not intended as a substitute for formal **woodworking/metalworking** instruction, nor to offer the user instruction in the craft of **woodworking/metalworking**. If you are not sure about the safety of performing a certain operation or procedure, do not proceed until you can confirm, from knowledgeable and qualified sources, that it is safe to do so.

Once you've read through these instructions, keep this manual handy for future reference.

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**DISCLAIMER:** The information and specifications in this manual pertain to the unit as it was supplied from the factory at the time of printing. Because we are committed to making constant improvements, General® International reserves the right to make changes to components, parts or features of this unit as deemed necessary, without prior notice and without obligation to install any such changes on previously delivered units. Reasonable care is taken at the factory to ensure that the specifications and information in this manual corresponds with that of the

unit with which it was supplied. However, special orders and "after factory" modifications may render some or all information in this manual inapplicable to your machine. Further, as several generations of this model of drill press and several versions of this manual may be in circulation, if you own an earlier or later version of this unit, this manual may not depict your unit exactly. If you have any doubts or questions contact your retailer or our support line with the model and serial number of your unit for clarification.

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# GENERAL® INTERNATIONAL WARRANTY

All component parts of General® International and Excalibur by General International® products are carefully inspected during all stages of production and each unit is thoroughly inspected upon completion of assembly.

## Limited Lifetime Warranty

Because of our commitment to quality and customer satisfaction, General® International agrees to repair or replace any part or component which upon examination, proves to be defective in either workmanship or material to the original purchaser for the life of the tool. However, the Limited Lifetime Warranty does not cover any product used for professional or commercial production purposes nor for industrial or educational applications. Such cases are covered by our Standard 2-year Limited Warranty only. The Limited Lifetime Warranty is also subject to the "Conditions and Exceptions" as listed below.

## Standard 2-Year Limited Warranty

All products not covered by our lifetime warranty including products used in commercial, industrial and educational applications are warranted for a period of 2 years (24 months) from the date of purchase. General® International agrees to repair or replace any part or component which upon examination, proves to be defective in either workmanship or material to the original purchaser during this 2-year warranty period, subject to the "conditions and exceptions" as listed below.

## To file a Claim

To file a claim under our Standard 2-year Limited Warranty or under our Limited Lifetime Warranty, all defective parts, components or machinery must be returned freight or postage prepaid to General® International, or to a nearby distributor, repair center or other location designated by General® International. For further details call our service department at 1-888-949-1161 or your local distributor for assistance when filing your claim.

Along with the return of the product being claimed for warranty, a copy of the original proof of purchase and a "letter of claim" must be included (a warranty claim form can also be used and can be obtained, upon request, from General® International or an authorized distributor) clearly stating the model and serial number of the unit (if applicable) and including an explanation of the complaint or presumed defect in material or workmanship.

## CONDITIONS AND EXCEPTIONS:

This coverage is extended to the original purchaser only. Prior warranty registration is not required but documented proof of purchase i.e. a copy of original sales invoice or receipt showing the date and location of the purchase as well as the purchase price paid, must be provided at the time of claim.

Warranty does not include failures, breakage or defects deemed after inspection by General® International to have been directly or indirectly caused by or resulting from; improper use, or lack of or improper maintenance, misuse or abuse, negligence, accidents, damage in handling or transport, or normal wear and tear of any generally considered consumable parts or components.

***Repairs made without the written consent of General® International will void all warranty.***

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# RULES FOR SAFE OPERATION

To help ensure safe operation, please take a moment to learn the machine's applications and limitations, as well as potential hazards. General® International disclaims any real or implied warranty and hold itself harmless for any injury that may result from the improper use of it's equipment.

- 
1. Do not operate the drill press when tired, distracted, or under the effects of drugs, alcohol or any medication that impairs reflexes or alertness.
  2. The work area should be well lit, clean and free of debris.
  3. Keep children and visitors at a safe distance when the drill press is in operation; do not permit them to operate the drill press.
  4. Childproof and tamper proof your shop and all machinery with locks, master electrical switches and switch keys, to prevent unauthorized or unsupervised use.
  5. Stay alert! Give your work your undivided attention. Even a momentary distraction can lead to serious injury.
  6. Fine particulate dust is a carcinogen that can be hazardous to health. Work in a well-ventilated area and whenever possible use a dust collector and wear eye, ear and respiratory protection devices.
  7. Do not wear loose clothing, gloves, bracelets, necklaces or other jewelry while the drill press is in operation.
  8. Be sure that adjusting wrenches, tools, drinks and other clutter are removed from the machine and/or the table surface before operating.
  9. Keep hands well away from the drill bit and all moving parts. Use a hold-down or clamp to secure the stock, and use a brush, not hands, to clear away chips and dust.
  10. Be sure that the drill bit is securely installed in the chuck before operation.
  11. Be sure the drill bit has gained full operating speed before beginning to drill. Always use a clean, properly sharpened bit. Dirty or dull bits are unsafe and can lead to accidents. Use suitable work piece support if the work piece does not have a flat surface.
  12. Do not push or force the bit into the stock. The drill will perform better and more safely when working at the rate feed for which it was designed.
  13. Avoid working from awkward or off balance positions. Do not overreach and keep both feet on floor.
  14. Keep guards in place and in working order. If a guard must be removed for maintenance or cleaning be sure it is properly re-attached before using the tool again.
  15. Never leave the machine unattended while it is running or with the power on.
  16. Use of parts and accessories NOT recommended by GENERAL® INTERNATIONAL may result in equipment malfunction or risk of injury.
  17. Never stand on machinery. Serious injury could result if the tool is tipped over or if the drill bit is unintentionally contacted.
  18. Always disconnect the tool from the power source before servicing or changing accessories such as bits, or before performing any maintenance, cleaning, or if the machine will be left unattended.
  19. Make sure that the switch is in the "OFF" position before plugging in the power cord.
  20. Make sure the tool is properly grounded. If equipped with a 3-prong plug, it should be used with a three-pole receptacle. Never remove the third prong.
  21. Do not use this drill press for other than its intended use. If used for other purposes, GENERAL® INTERNATIONAL disclaims any real implied warranty and holds itself harmless for any injury, which may result from that use.
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# ELECTRICAL REQUIREMENTS



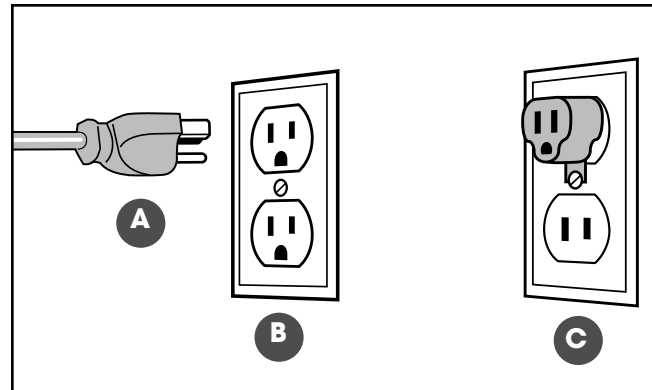
**BEFORE CONNECTING THE MACHINE TO THE POWER SOURCE, VERIFY THAT THE VOLTAGE OF YOUR POWER SUPPLY CORRESPONDS WITH THE VOLTAGE SPECIFIED ON THE MOTOR I.D. NAMEPLATE. A POWER SOURCE WITH GREATER VOLTAGE THAN NEEDED CAN RESULT IN SERIOUS INJURY TO THE USER AS WELL AS DAMAGE TO THE MACHINE. IF IN DOUBT, CONTACT A QUALIFIED ELECTRICIAN BEFORE CONNECTING TO THE POWER SOURCE.**

**THIS TOOL IS FOR INDOOR USE ONLY. DO NOT EXPOSE TO RAIN OR USE IN WET OR DAMP LOCATIONS.**

## GROUNDING INSTRUCTIONS

In the event of an electrical malfunction or short circuit, grounding reduces the risk of electric shock. The motor of this machine is wired for 120 V single phase operation and is equipped with a 3-conductor cord and a 3-prong grounding plug **A** to fit a grounded type receptacle **B**. Do not remove the 3rd prong (grounding pin) to make it fit into an old 2-hole wall socket or extension cord. If an adaptor plug is used **C**, it must be attached to the metal screw of the receptacle.

**Note: The use of an adaptor plug is illegal in some areas. Check your local codes. If you have any doubts or if the supplied plug does not correspond to your electrical outlet, consult a qualified electrician before proceeding.**



## CIRCUIT CAPACITY

Make sure that the wires in your circuit are capable of handling the amperage draw from your machine, as well as any other machines that could be operating on the same circuit. If you are unsure, consult a qualified electrician. If the circuit breaker trips or the fuse blows regularly, your machine may be operating on a circuit that is close to its amperage draw capacity. However, if an unusual amperage draw does not exist and a power failure still occurs, contact a qualified technician or our service department.

## EXTENSION CORDS

If you find it necessary to use an extension cord with your machine, use only 3-wire extension cords that have 3-prong grounding plug and a matching 3-pole receptacle that accepts the tool's plug. Repair or replace a damaged extension cord or plug immediately.

Make sure the cord rating is suitable for the amperage listed on the motor I.D. plate. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The accompanying chart shows the correct size extension cord to be used based on cord length and motor I.D. plate amp rating. If in doubt, use the next heavier gauge. The smaller the number, the heavier the gauge.

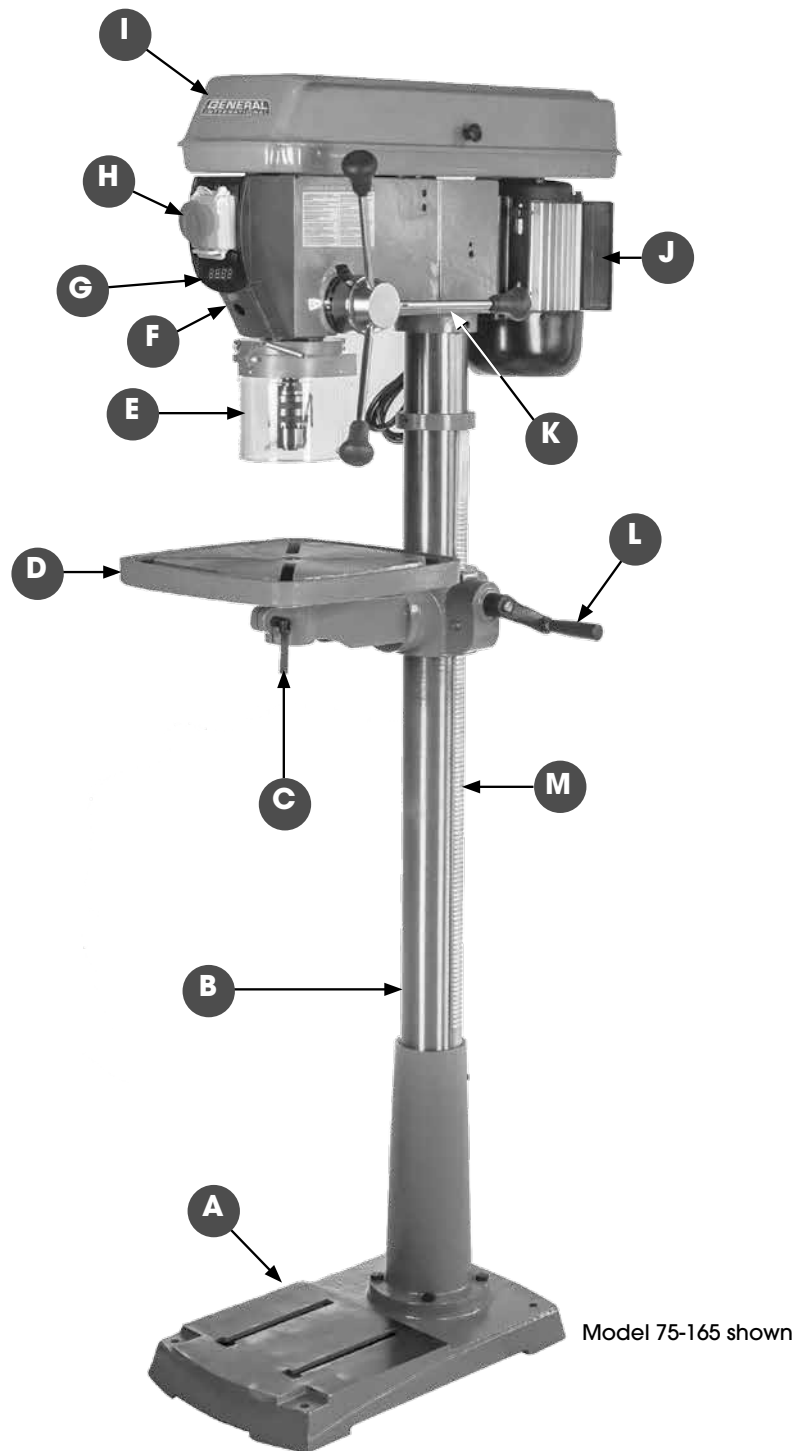
**TABLE - MINIMUM GAUGE FOR CORD**

### EXTENSION CORD LENGTH

AMPERES	50 feet	100 feet	200 feet	300 feet
< 5	18	16	16	14
6 to 10	18	16	14	12
10 to 12	16	16	14	12
12 to 16	14	12	*NR	*NR

\*NR = Not Recommended

# IDENTIFICATION OF MAIN PARTS AND COMPONENTS



Model 75-165 shown

- A. BASE
- B. COLUMN
- C. TABLE PIVOT LOCK LEVER\*
- D. TABLE
- E. FLIP-UP CHUCK GUARD
- F. LASER POINTER SWITCH
- G. DIGITAL SPEED DISPLAY

- H. SWITCH
- I. PULLEY COVER
- J. MOTOR
- K. FEED HANDLE
- L. TABLE CRANK HANDLE
- M. RACK

*\*Except on the model 75-510*

# UNPACKING

Carefully unpack and remove the unit and its components from the box and check for missing or damaged items as per the list of contents below.

**NOTE: PLEASE REPORT ANY DAMAGED OR MISSING ITEMS TO YOUR GENERAL® INTERNATIONAL DISTRIBUTOR IMMEDIATELY.**

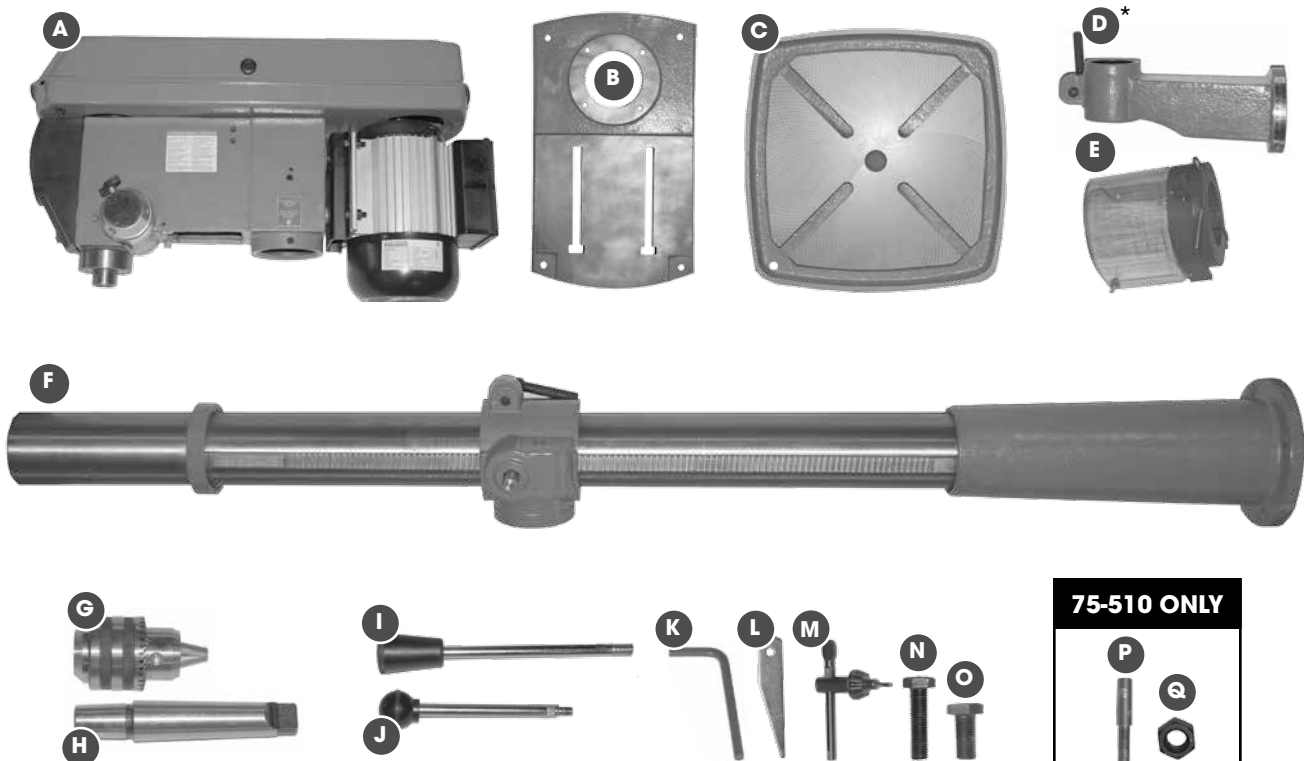
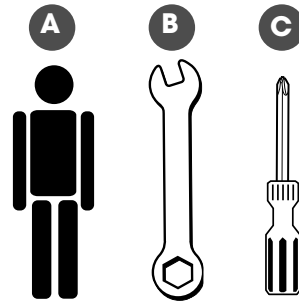
## LIST OF CONTENTS

## QTY

A.	HEAD STOCK.....	1
B.	BASE .....	1
C.	TABLE .....	1
D.	TABLE SUPPORT ARM .....	1
E.	CHUCK GUARD .....	1
F.	COLUMN.....	1
G.	CHUCK.....	1
H.	ARBOR.....	1
I.	DOWNFEED HANDLE .....	3
J.	SPEED CONTROL LEVER .....	1
K.	3, 4 & 5 MM ALLEN KEYS .....	3
L.	DRIFT KEY .....	1
M.	CHUCK KEY.....	1
N.	BASE BOLT .....	4
O.	ARM BOLT .....	1
P.	CENTERING PIN (75-510 ONLY) .....	1
Q.	BOLT (75-510 ONLY) .....	1

## ADDITIONAL REQUIREMENTS FOR SET UP

- A. EXTRA PERSON FOR HELP WITH LIFTING
- B. 9, 16 & 24 MM OPEN WRENCHES
- C. PHILLIPS SCREWDRIVER



## 75-510 ONLY



\*Except on the model 75-510



# CLEANING

The protective coating on the machine prevents rust from forming during shipping and storage. Remove it by rubbing with a rag dipped in kerosene, mineral spirits or paint thinner. (Dispose of potentially flammable solvent-soaked rags according to manufacturer's safety recommendations).

A putty knife, held flat to avoid scratching the surface, may also be used to scrape off the coating followed by clean-up with solvent. Avoid rubbing the machine's painted surfaces, as many solvent-based products will remove paint.

To prevent rust, apply a light coating of paste wax or use regular applications of any after-market surface protectant or rust inhibitor.



## PLACEMENT WITHIN THE SHOP / SAFETY ZONE



**THIS DRILL PRESS MODEL (1) 75-155, (2) 75-165 OR (3) 75-510 IS HEAVY. DO NOT OVER-EXERT. A HOIST OR FORK-LIFT WITH STRAPS SHOULD BE USED TO LIFT THIS MACHINE. TO LIMIT THE RISK OF SERIOUS INJURY OR DAMAGE TO THE MACHINE, ANY EQUIPMENT USED TO LIFT THIS MACHINE SHOULD HAVE A RATED CAPACITY IN EXCESS OF THE MACHINE.**

### PLACEMENT WITHIN THE SHOP

This machine should be installed and operated only on a solid, flat and stable floor that is able to support the weight of the machine 136 lbs (1), 161 lbs (2) or 284 lbs (3) and the operator.

Using the dimensions shown as a guideline, plan for placement within your shop that will allow the operator to work unencumbered and unobstructed by foot traffic (either passing shop visitors or other shop workers) or other tools or machinery.

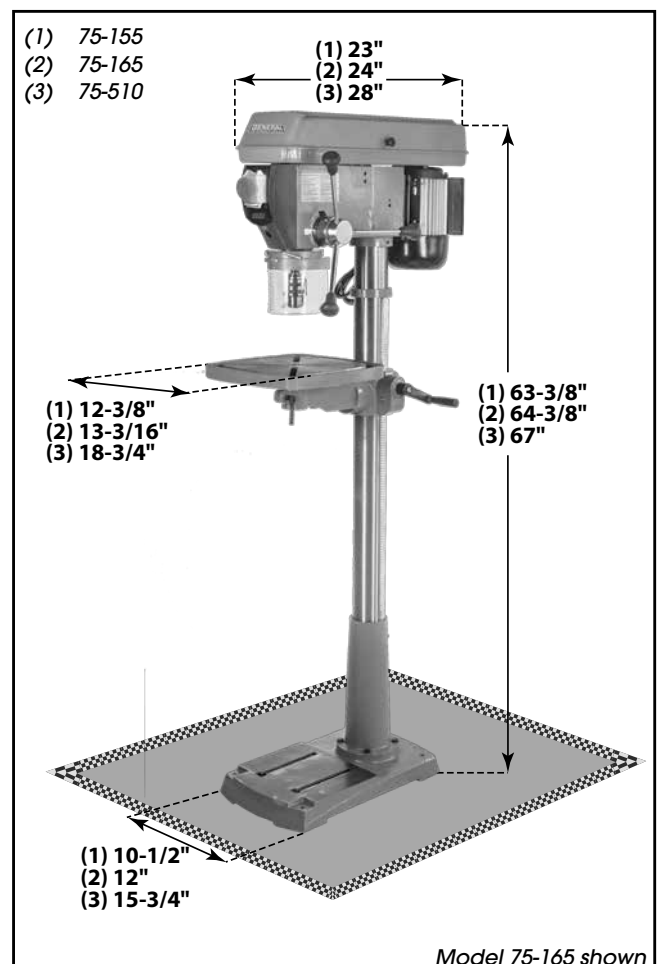
### ESTABLISHING A SAFETY ZONE

For shops with frequent visitors or multiple operators, it is advisable to establish a safety zone around shop machinery.

A clearly defined "no-go" zone on the floor around each machine can help avoid accidents that could cause injury to either the operator or the shop visitor.

It is advisable to take a few moments to either paint (using non-slip paint) or using tape, define on the floor the limits or perimeter of each machine's safety zone.

Take steps to ensure that all operators and shop visitors are aware that these areas are off limits whenever a machine is running for everyone but the individual operating the unit.



# ASSEMBLY INSTRUCTIONS

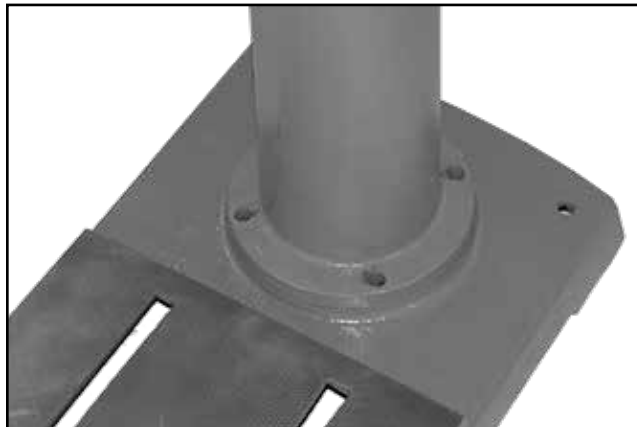


BEFORE ASSEMBLING, MAKE SURE THAT THE SWITCH IS IN THE "OFF" POSITION AND THAT THE POWER CORD IS UNPLUGGED. DO NOT PLUG IN OR TURN ON THE MACHINE UNTIL YOU HAVE COMPLETED THE ASSEMBLY AND INSTALLATION STEPS DESCRIBED IN THIS SECTION OF THE MANUAL.

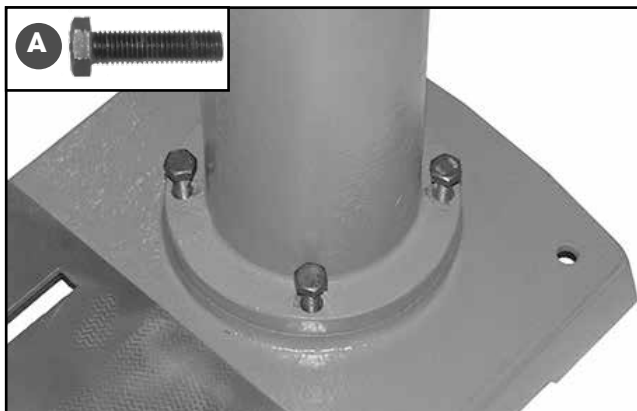
## INSTALLING THE COLUMN ON THE BASE



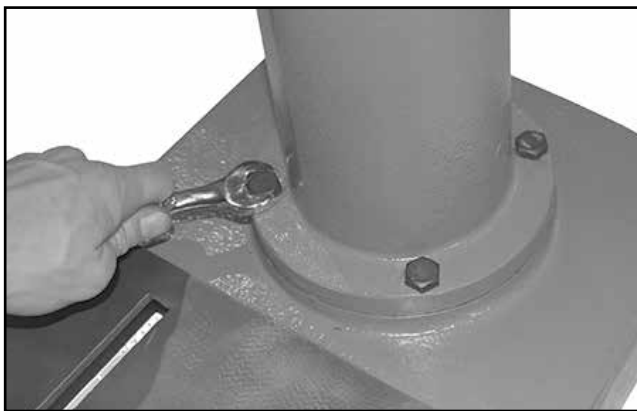
1. Set the base on a flat and stable surface, and then install the column on the base.



2. Align the mounting holes in the column with the corresponding holes in the base.



3. Tighten the four bolts by hand **A** few turns.

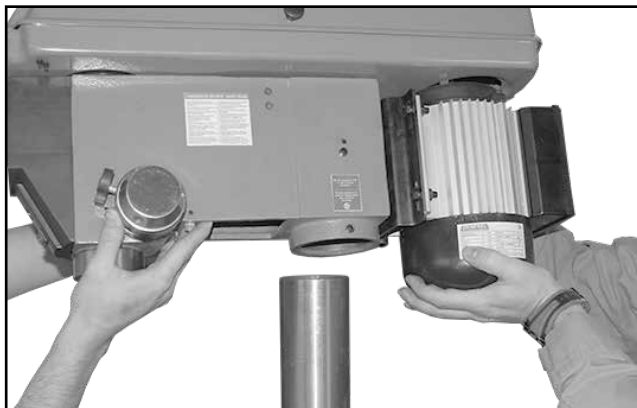


4. Then secure the bolts using a 16 mm wrench.

## INSTALLING THE HEAD STOCK ON THE COLUMN



THE HEAD STOCK IS HEAVY. DO NOT OVER-EXERT. THE HELP OF AN ASSISTANT WILL BE NEEDED FOR THE FOLLOWING STEP. DO NOT GRIP THE HEAD STOCK BY THE PULLEY COVER WHEN LIFTING.



1. Lift the head stock and place its opening above the column.

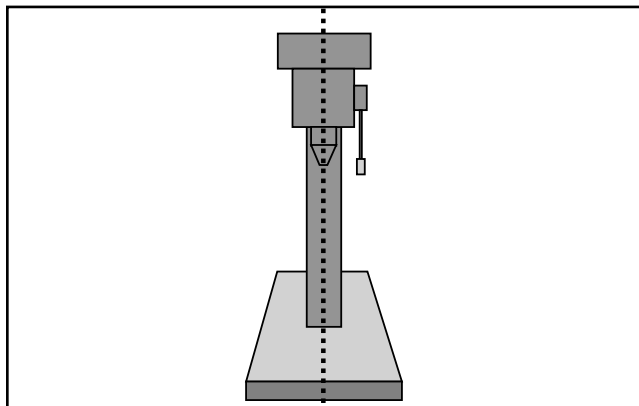


2. Slide the head stock opening onto the column.

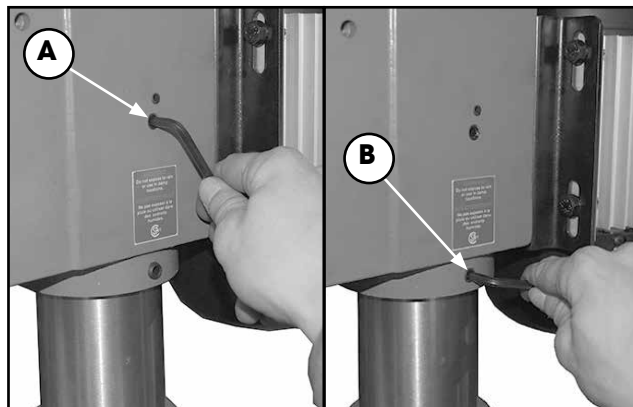


**BEFORE ASSEMBLING, MAKE SURE THAT THE SWITCH IS IN THE "OFF" POSITION AND THAT THE POWER CORD IS UNPLUGGED. DO NOT PLUG IN OR TURN ON THE MACHINE UNTIL YOU HAVE COMPLETED THE ASSEMBLY AND INSTALLATION STEPS DESCRIBED IN THIS SECTION OF THE MANUAL.**

### **INSTALLING THE HEAD STOCK ON THE COLUMN (CONTINUED)**

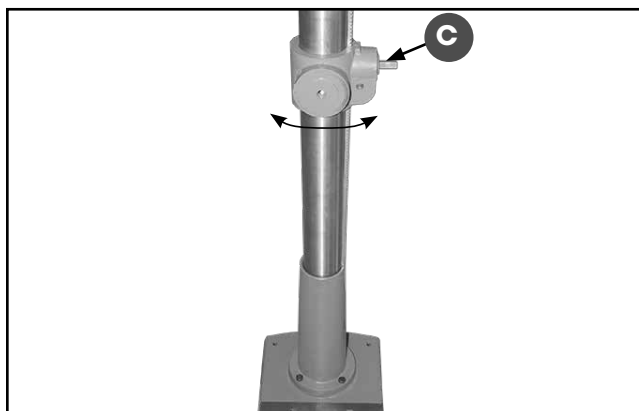


3. Center the head stock with the column and the table.

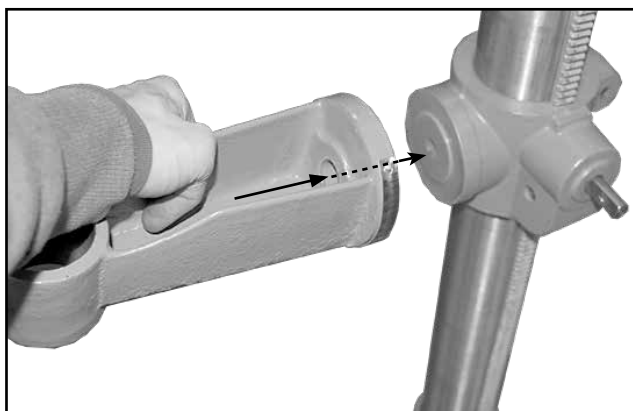


4. Secure the head stock to the column by tightening screws **A** & **B** using a 5 mm Allen key.

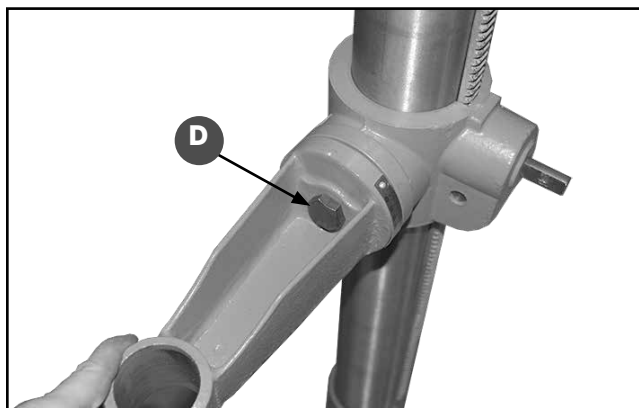
### **INSTALLING THE TABLE (75-155/165 ONLY)**



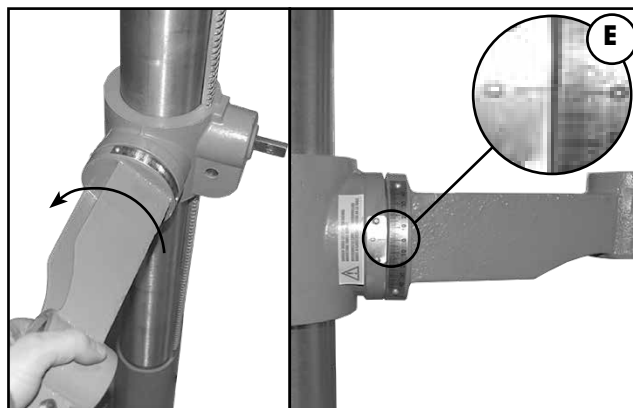
1. Make sure that arbor **C** is to the right and the table bracket is centered on the column. Turn the bracket if needed as shown.



2. Hold the arm against the bracket aligning the mounting holes as shown.



3. Tighten bolt **D** hand tight for now.

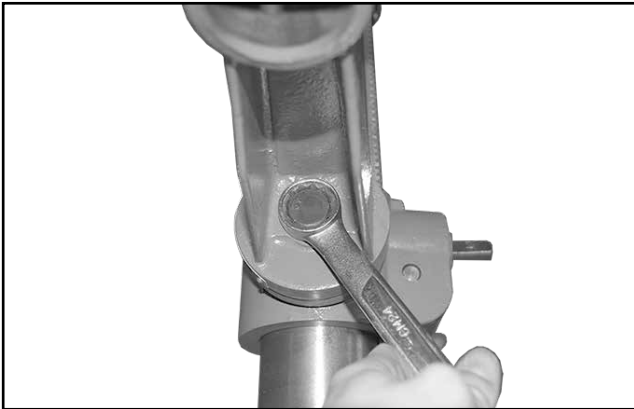


4. Turn the arm counterclockwise until the zero point of the table bracket and the arm are aligned as shown **E**.

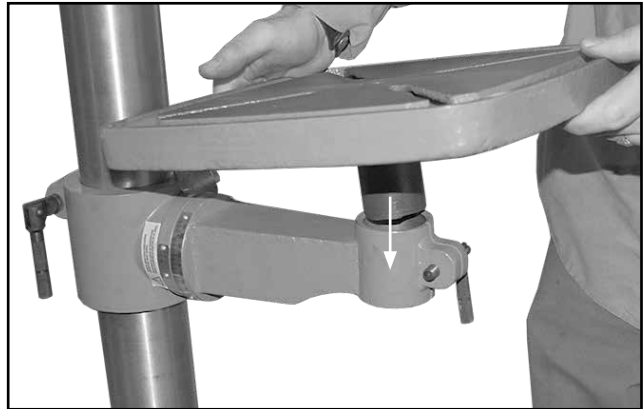


MAKE SURE THE MACHINE HAS BEEN TURNED OFF AND UNPLUGGED FROM THE POWER SOURCE BEFORE PERFORMING ANY MAINTENANCE OR ADJUSTMENTS.

### **INSTALLING THE TABLE (75-155/165)**



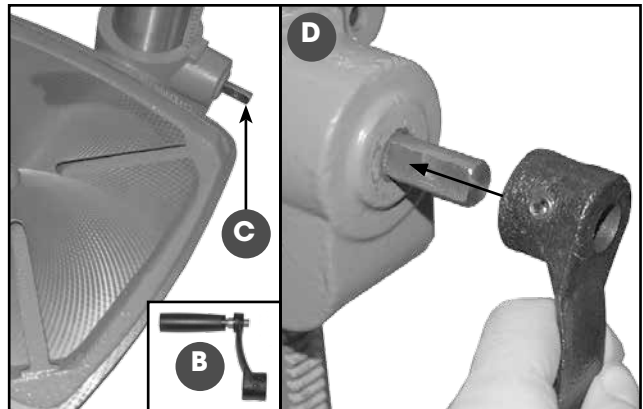
**5.** Tighten the arm's mounting bolt using a 24 mm wrench.



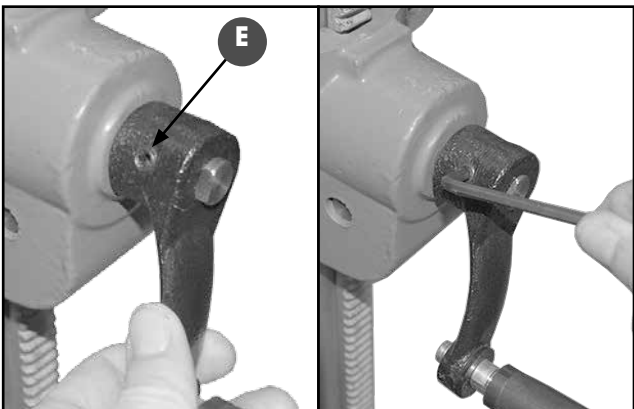
**6.** Insert the table into the arm mount as shown.



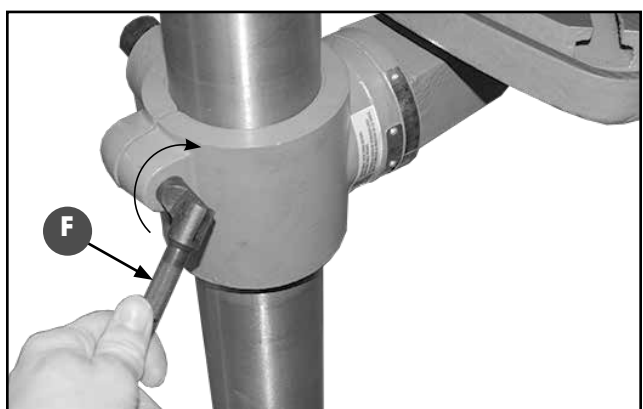
**7.** Lock the table in place by turning lever **A** clockwise.



**8.** Slide handle **B** onto the arbor **C** as shown **D**.



**9.** Tighten the set screw **E** using a 4 mm Allen key.

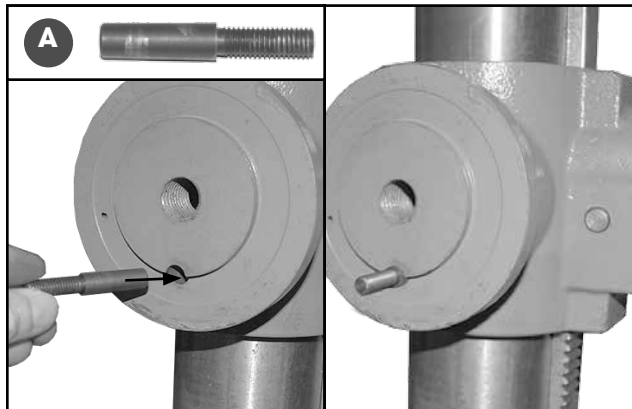


**10.** Lock the table in position by tightening the lever **F** as shown.

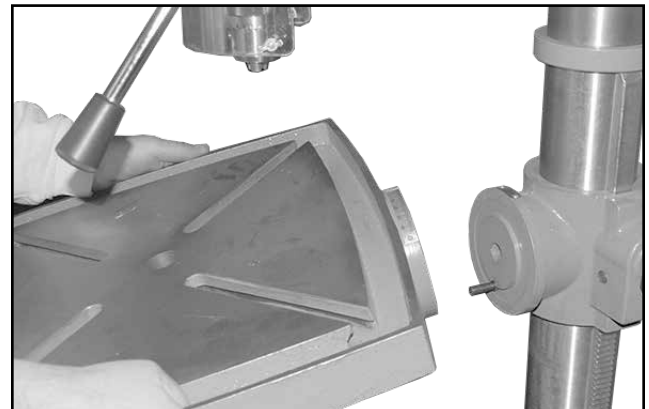


**MAKE SURE THE MACHINE HAS BEEN TURNED OFF AND UNPLUGGED FROM THE POWER SOURCE BEFORE PERFORMING ANY MAINTENANCE OR ADJUSTMENTS.**

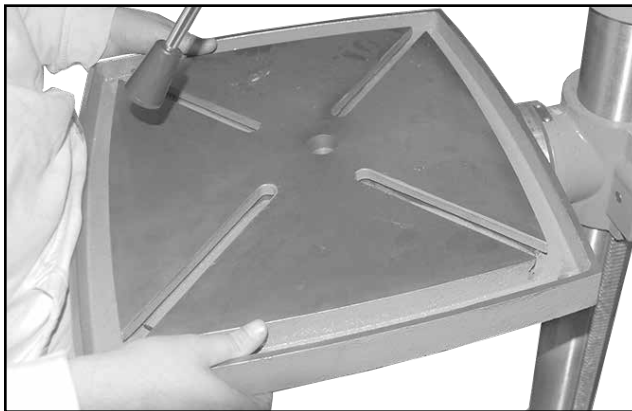
### **INSTALLING THE TABLE (MODEL 75-510 ONLY)**



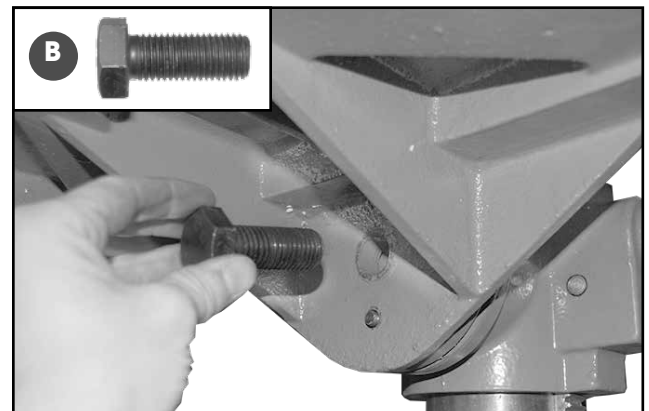
- 1.** Insert the threaded centering pin **A** into the smallest hole of the table bracket as shown



- 2.** Align the smallest mounting hole in the table with the pin.



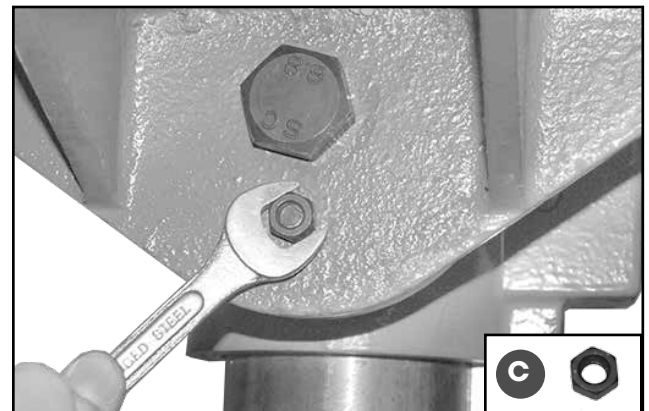
- 3.** Slide the table onto the pin.



- 4.** While an assistant holds the table in position, insert the bolt **B** into the large mounting hole.



- 5.** Tighten the bolt with a wrench.



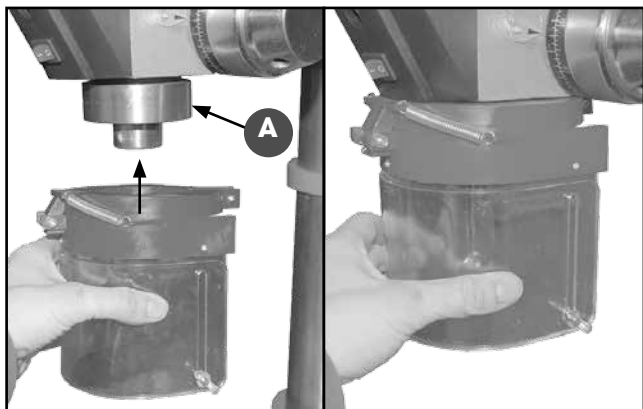
- 6.** Thread nut **C** onto the centering pin and tighten using a 13 mm wrench.

**Note:** To install the table crank handle, follow steps 8 to 9 in the previous section.

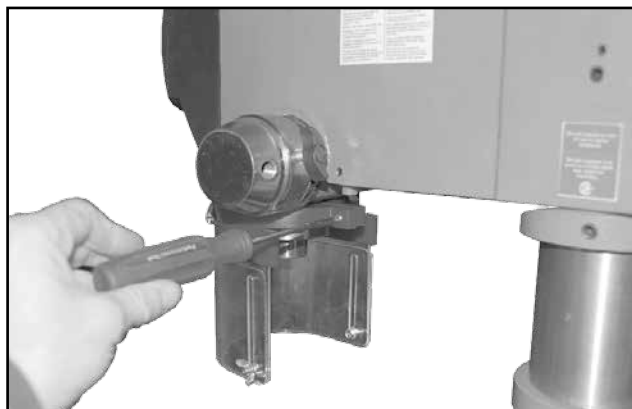


**MAKE SURE THE MACHINE HAS BEEN TURNED OFF AND UNPLUGGED FROM THE POWER SOURCE BEFORE PERFORMING ANY MAINTENANCE OR ADJUSTMENTS.**

### **INSTALLING THE CHUCK GUARD**

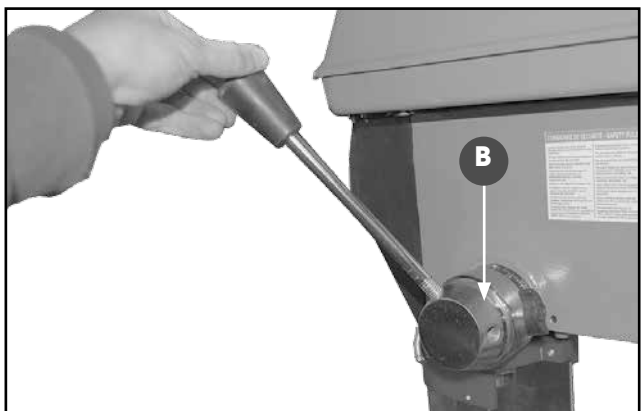


**1.** Slide the chuck guard onto its support as shown **A**.



**2.** Tighten the chuck guard using a phillips screwdriver.

### **INSTALLING THE DOWNFEED HANDLES**

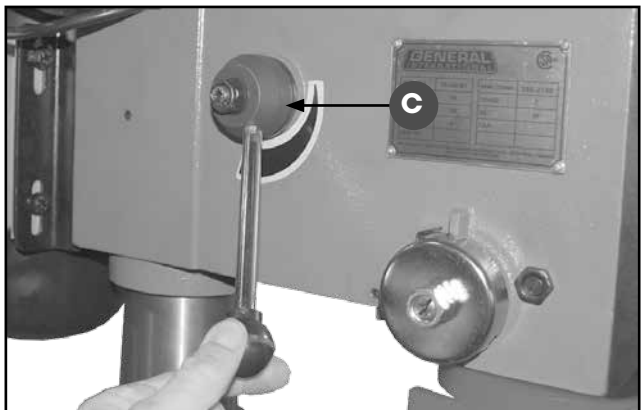


**1.** Thread the three downfeed handles into their mounting holes located in the support **B**.



**2.** Tighten each handle using a 9 mm wrench.

### **INSTALLING THE SPEED CONTROL LEVER**



**1.** Thread the handle into its mounting hole located in the bracket **C**.

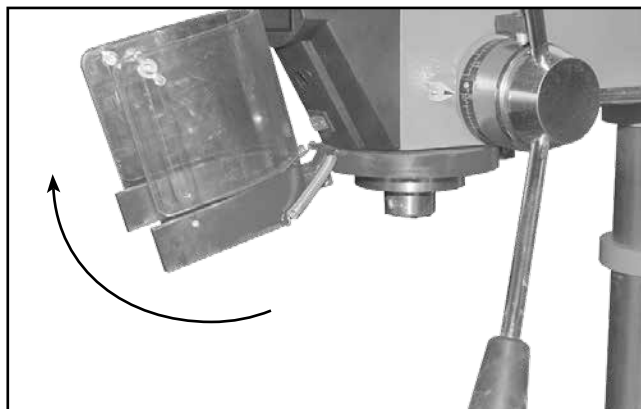


**2.** Tighten the handle using a 9 mm wrench.

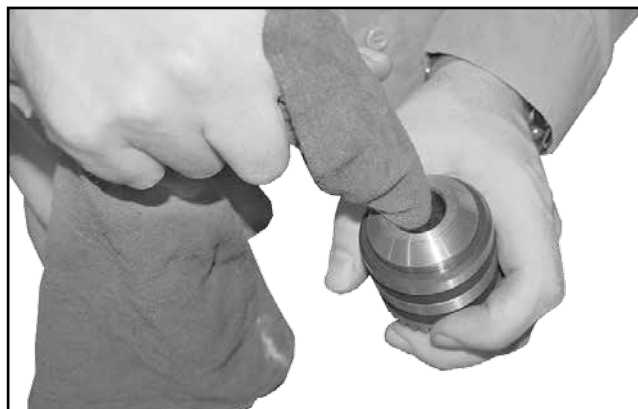


**MAKE SURE THE MACHINE HAS BEEN TURNED OFF AND UNPLUGGED FROM THE POWER SOURCE BEFORE PERFORMING ANY MAINTENANCE OR ADJUSTMENTS.**

### **INSTALLING THE CHUCK**



**1.** Lift the chuck guard as shown.



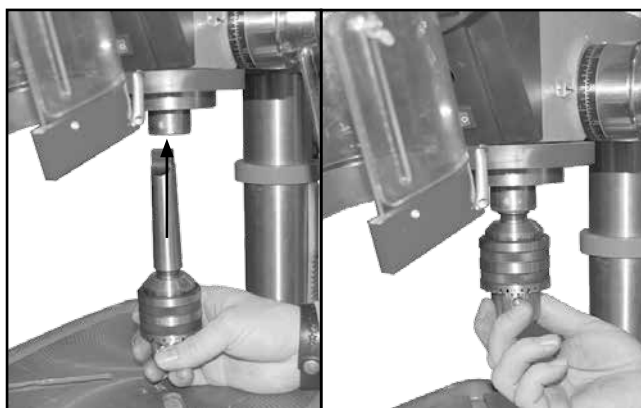
**2.** Clean inside the chuck with a dry cloth until all grease or lubricant is removed.



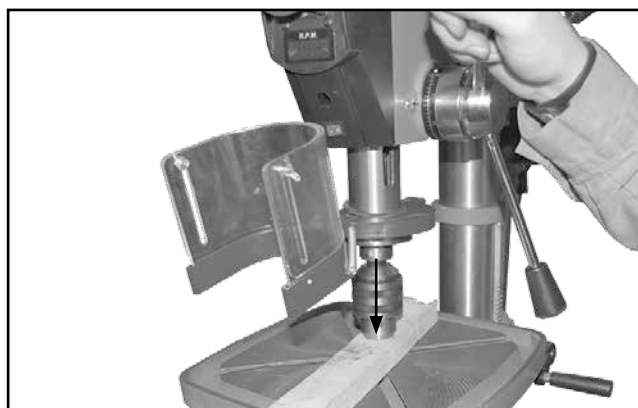
**3.** Fit the arbor into the chuck as shown.



**4.** Make sure the arbor is inserted all the way into the chuck.



**5.** Slide the arbor into the quill assembly as shown.

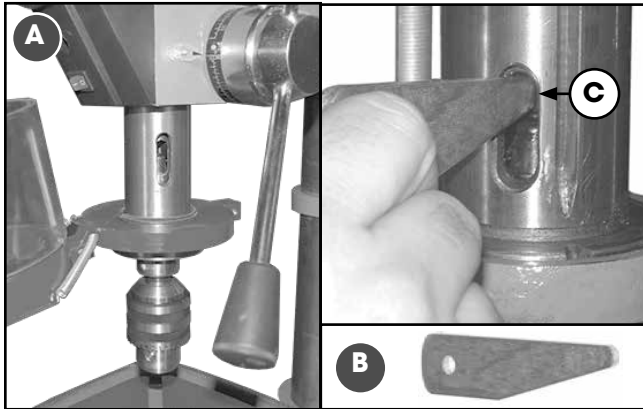


**6.** Using the feed handles, lower the chuck against a piece of wood on the table to pressfit it into the quill.

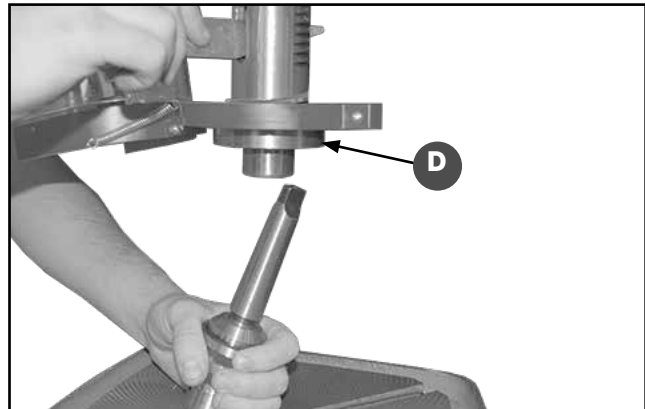


MAKE SURE THE MACHINE HAS BEEN TURNED OFF AND UNPLUGGED FROM THE POWER SOURCE BEFORE PERFORMING ANY MAINTENANCE OR ADJUSTMENTS.

### REMOVING THE CHUCK



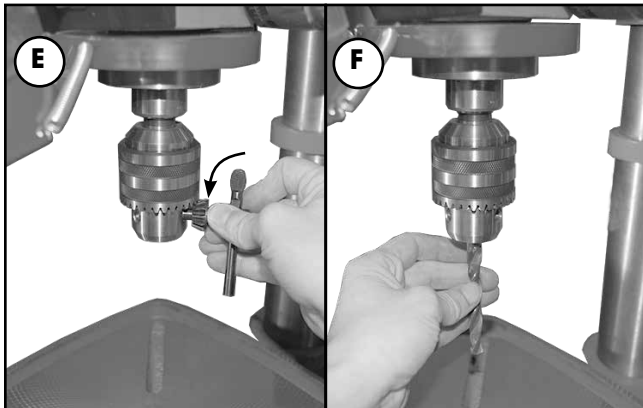
1. Using feed handle, lower the quill assembly **A**. Insert the drift key **B** all the way into the quill assembly **C**.



2. While holding onto the chuck, tap gently on the key with a hammer or rubber mallet to loosen and remove the arbor and chuck.

**Note:** It may be necessary to rotate the quill in order to be able to get the tool all the way through **D**.

### INSTALLING A DRILL BIT



1. Open the chuck by turning the key **E** counter-clockwise until you can insert a drill bit **F**.



2. Secure the drill bit in the chuck by turning the key clockwise.

## BASIC ADJUSTMENTS & CONTROLS



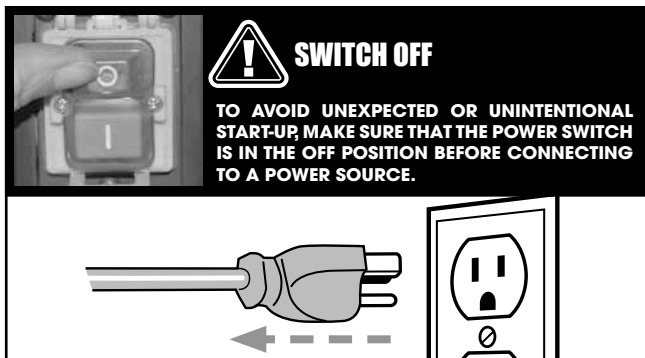
TO REDUCE THE RISK OF SHOCK OR FIRE DO NOT OPERATE THE UNIT WITH A DAMAGED POWER CORD OR PLUG. REPLACE DAMAGED CORD OR PLUG IMMEDIATELY. TO AVOID UNEXPECTED OR UNINTENTIONAL START-UP, MAKE SURE THE POWER SWITCH IS IN THE OFF POSITION BEFORE CONNECTING TO A POWER SOURCE.

### CONNECTING TO A POWER SOURCE

Once the assembly steps have been completed, plug the power cord into an appropriate outlet.

Refer back to the section entitled "Electrical Requirements" and make sure all requirements and grounding instructions are followed.

When operations have been completed unplug the machine from the power source.







**MAKE SURE THE MACHINE HAS BEEN TURNED OFF AND UNPLUGGED FROM THE POWER SOURCE BEFORE PERFORMING ANY MAINTENANCE OR ADJUSTMENTS.**

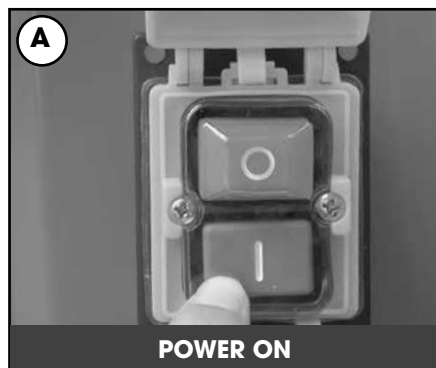
### **ON/OFF POWER SWITCH**

This drill is equipped with a forced opening line interrupter switch located on the front which requires machine restart in case of power failure or circuit interruption.

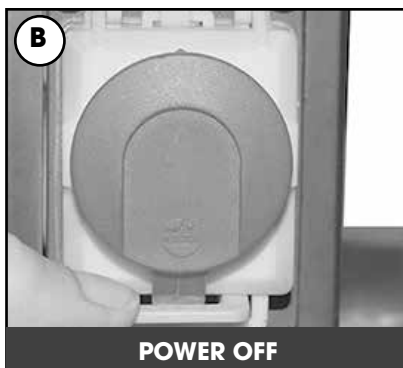
To start the machine, pull up the switch cover and press the start button "I", **A**.

To stop the machine, press directly on the switch cover **B**.

To turn on the laser pointer, set the switch **C** in the "I" position. To turn off the laser pointer, set the switch in the "O" position.



**POWER ON**

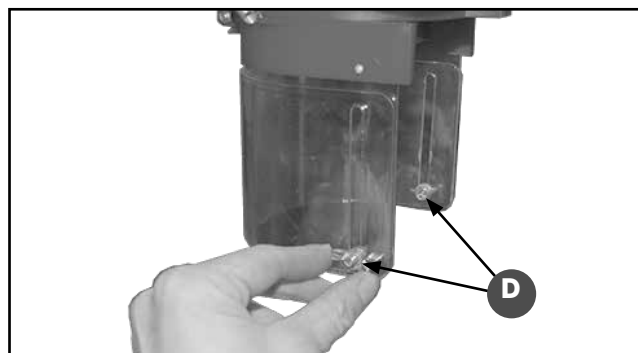


**POWER OFF**

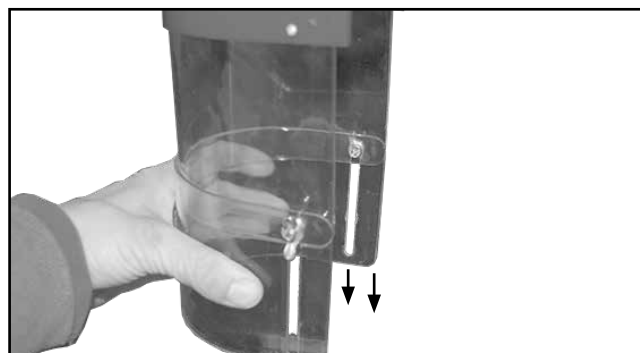


**LASER POINTER SWITCH**

### **ADJUSTING THE CHUCK GUARD HEIGHT**



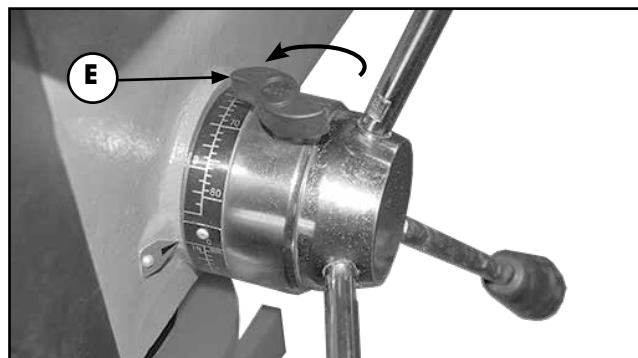
**1.** Loosen the wing nuts **D**.



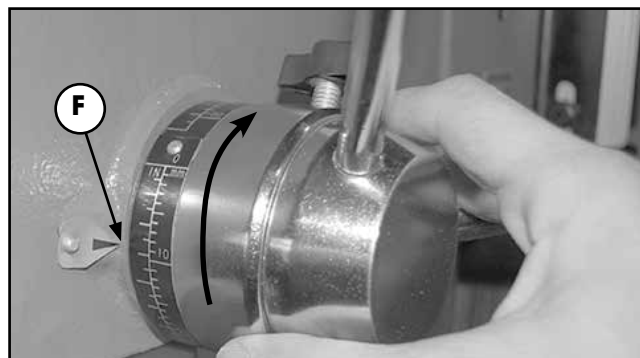
**2.** Position the shield at the desired height, then retighten the wing nuts.

### **ADJUSTING THE DEPTH STOP**

This drill is equipped with an adjustable depth stop to allow repetitive drilling to a set depth. To set the depth stop:



**1.** Loosen knob **E** counterclockwise as shown.

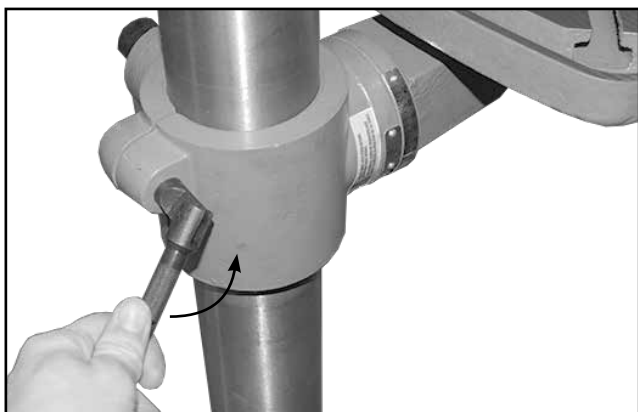


**2.** Turn the depth stop to the desired drilling depth **F**, then retighten the knob.

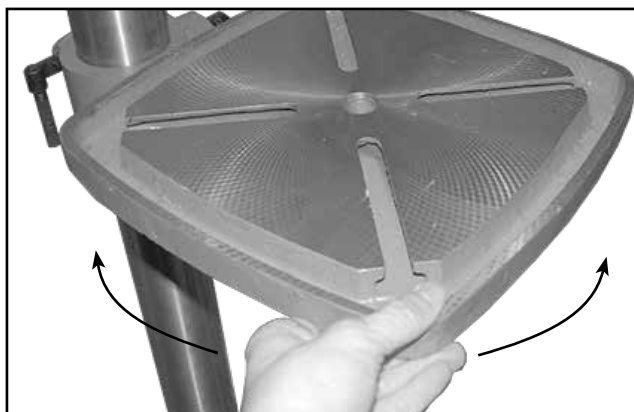


**MAKE SURE THE MACHINE HAS BEEN TURNED OFF AND UNPLUGGED FROM THE POWER SOURCE BEFORE PERFORMING ANY MAINTENANCE OR ADJUSTMENTS.**

### **TABLE SWING ADJUSTMENT**



1. Loosen the column lock handle as shown.



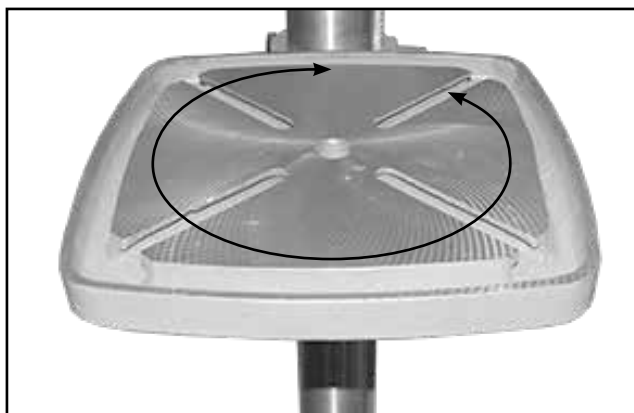
2. Swing the table arm bracket and the table to the desired position, then retighten the column lock handle.

***Note: When working with taller work pieces swing the table 180° out of the way and use the base as a table.***

### **PIVOTING THE TABLE (MODEL 75-155 & 75-165 ONLY)**

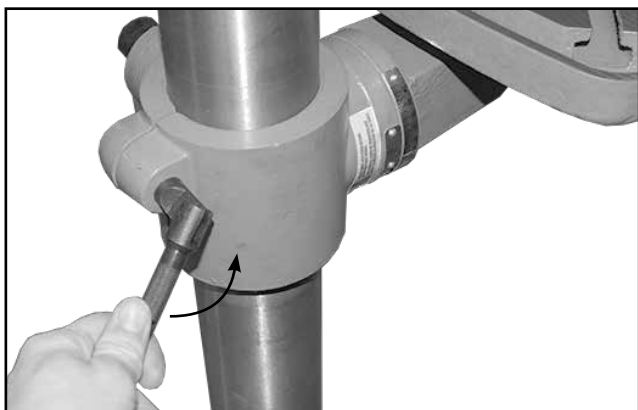


1. Loosen the pivot lock handle as shown.

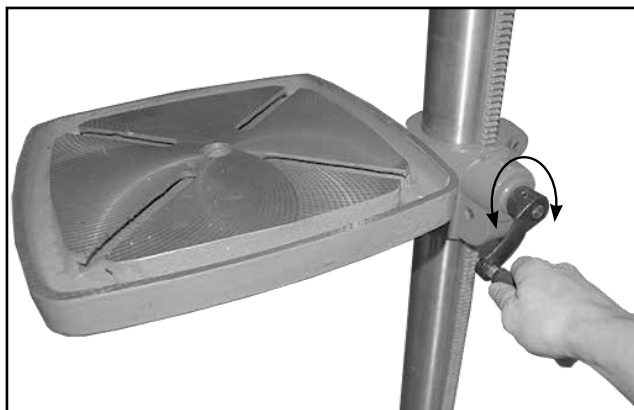


2. Turn the table to the desired position, and then retighten the pivot lock handle.

### **ADJUSTING TABLE HEIGHT**



1. Loosen the column lock handle as shown.



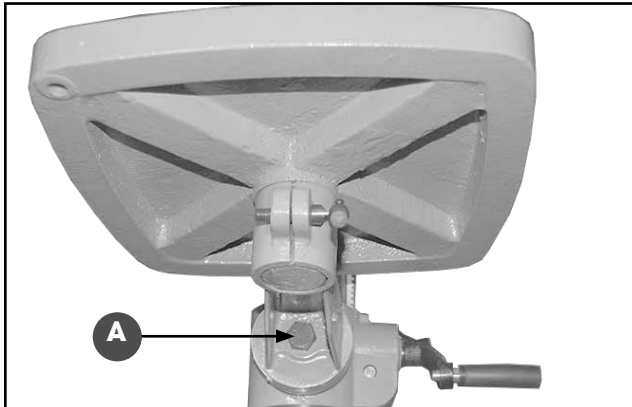
2. Turn the crank handle as shown until the table is at the desired height, then retighten the column lock handle.



**MAKE SURE THE MACHINE HAS BEEN TURNED OFF AND UNPLUGGED FROM THE POWER SOURCE BEFORE PERFORMING ANY MAINTENANCE OR ADJUSTMENTS.**

### **TABLE TILT ADJUSTMENT**

**Note:** For the model 75-510 remove the threaded centering pin under the table before completing the following steps.



**1. Loosen nut A**



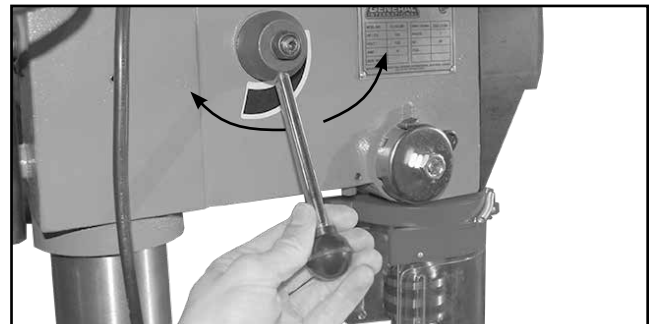
**2. Tilt the table to the desired angle, and then retighten the nut A.**

### **DRILL SPEED ADJUSTMENT**

This machine is equipped with a mechanical variable speed drive pulley system that allows the user to change the spindle speed while the machine is in operation.

This system is considered more efficient and convenient than models that require a complete shut-down and then a more complicated change of belts on a multi-pulley system.

To change speeds the user simply turns on the machine and then turns the speed control lever in the appropriate direction until the desired speed appears on the digital speed display.



**NOTE: TO AVOID DAMAGE TO THE GEARBOX, SPEED CHANGES SHOULD ONLY BE MADE WHILE THE MACHINE IS RUNNING.**

### **GUIDELINES FOR SELECTING SPEEDS BASED ON BIT SIZE AND BIT MATERIAL**

	BIT MATERIAL				
	CAST STEEL	TOOL STEEL	CAST IRON	MILD STEEL	ALUMINUM COPER
DOWNFEED SPEED	40 pi/min	60 pi/min	80 pi/min	100 pi/min	200 pi/min
DRILL BIT DIAMETER	SPEED (rpm)				
1/16" (2 MM)	1910 - 2445	2865 - 3665	3820 - 4890	4775 - 6110	9550 - 12 225
1/8" (3 MM)	1220 - 1275	1835 - 1910	2445 - 2545	3055 - 3185	6110 - 6365
3/16" (5 MM)	765 - 815	1145 - 1220	1530 - 1630	1910 - 2035	3820 - 4075
1/4" (6 MM)	610	915 - 955	1220 - 1275	1530 - 1590	3055 - 3180
5/16" (8 MM)	480 - 490	715 - 735	955 - 980	1195 - 1220	2390 - 2445
3/8" (10 MM)	380 - 405	570 - 610	765 - 815	955 - 1020	1910 - 2035
7/16" (11MM)	350	520 - 525	700	870	1740 - 1745
1/2" (13 MM)	300 - 305	440 - 460	590 - 610	735 - 765	1470 - 1530
5/8" (16 MM)	240 - 245	360 - 365	480 - 490	600 - 610	1200 - 1220
3/4" (19MM)	190 - 205	285 - 305	380 - 405	480 - 510	955 - 1200

# OPERATING INSTRUCTIONS

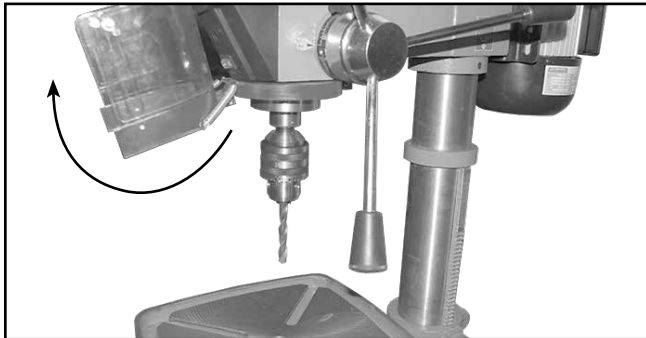
## CHECKLIST BEFORE STARTING



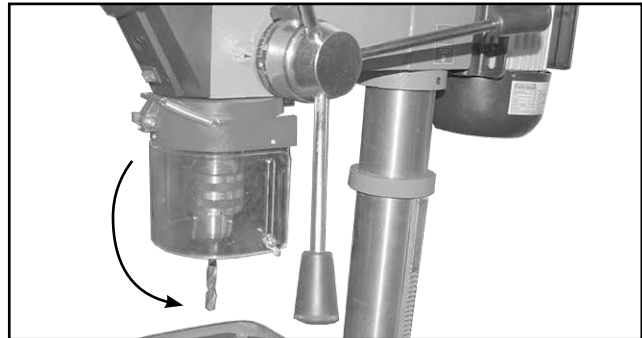
VERIFY ALL CHECK POINTS BEFORE STARTING. FAILURE TO COMPLY CAN RESULT IN SERIOUS INJURIES.

- Make sure the pulley cover is closed.
- Check that the chuck is installed properly.
- Make sure the chuck guard is securely installed and closed properly.
- When turning the machine "ON" be aware that the shaft will rotate freely.
- When the drill press is running check to see if it runs without vibration or shaking.
- Make sure the table bracket moves up and down smoothly.
- Make sure the spindle shaft turns smoothly.

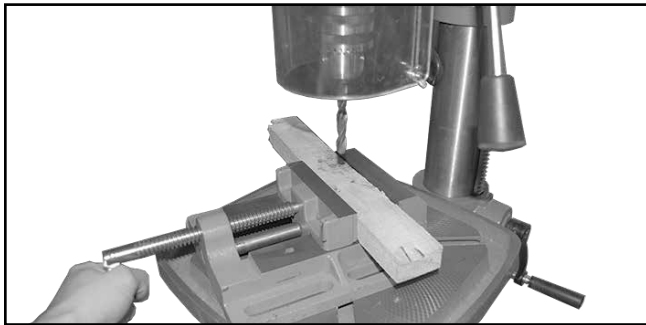
## DRILLING STEP-BY-STEP



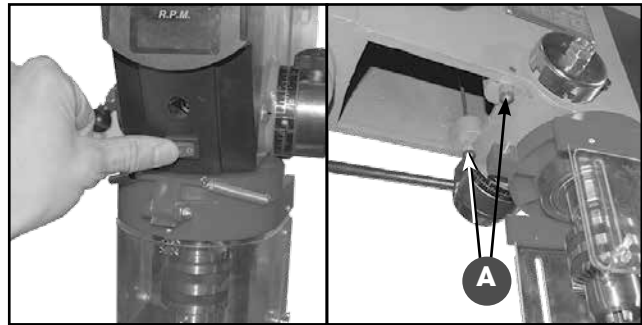
1. Lift the chuck guard as shown and install a drill bit suitable for the type of material to drill.



2. Flip the chuck guard down in place as shown.



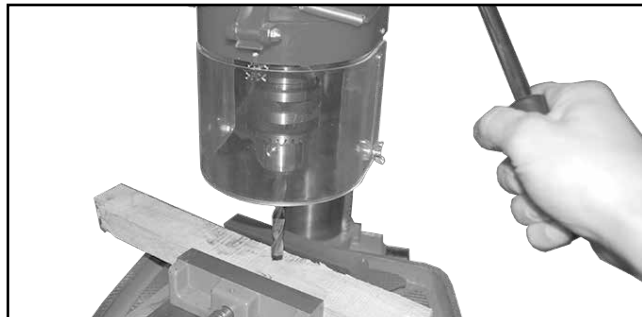
3. Secure the workpiece in a vise (optional).



4. For precision drilling use the laser pointer **A** to locate the drilling point on the workpiece.



5. Turn ON the machine and adjust the speed.

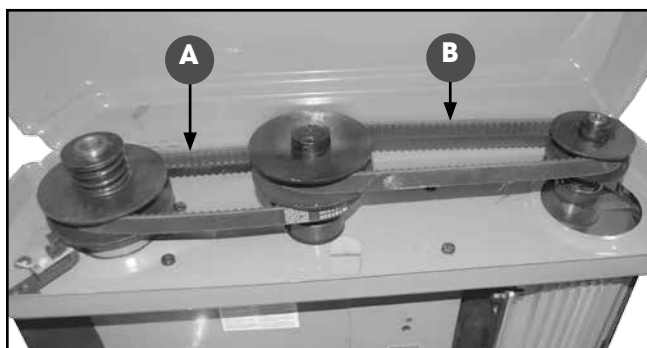


6. Use the downfeed handles to lower the bit into the workpiece.

# MAINTENANCE

## **BELT REPLACEMENT**

Inspect the belts after every 100 hours of use. Belts that show visible signs of wear such as cracks or fraying at the edges should be replaced immediately.



**Note:** To replace belt A, remove belt B first.



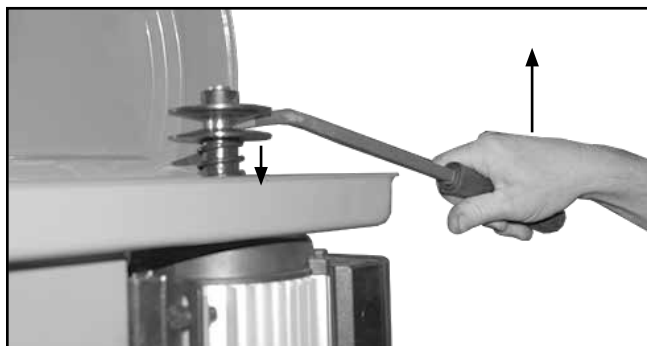
1. Unplug the machine, and open the pulley cover as shown.



2. Pull on the belt as shown to spread the spring-mounted pulley flanges.

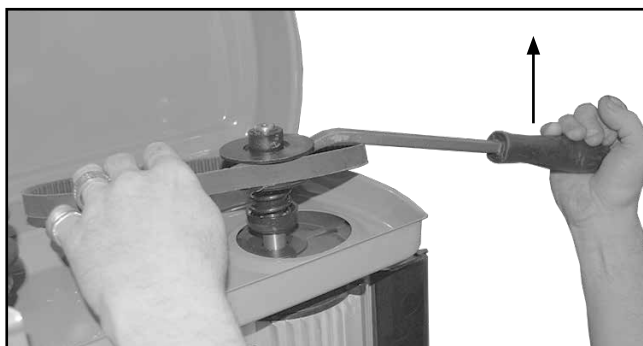


3. Slip a portion of the belt off and turn the pulley by hand until the belt comes off the pulley completely.

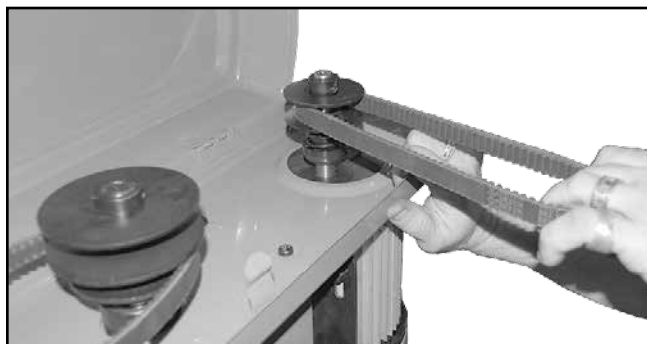


4. To install a new belt, spread the lower flange on the motor pulley using a pry-bar.

**Note:** Use gentle pressure to not damage the pulley.



5. Hold the flange open while slipping the new belt onto the open pulley.



6. Pull back on the belt to make sure it is seated properly on the pulley.



7. Slide the opposite end of the belt onto the other pulley, then turn the pulley until the belt snaps into place.

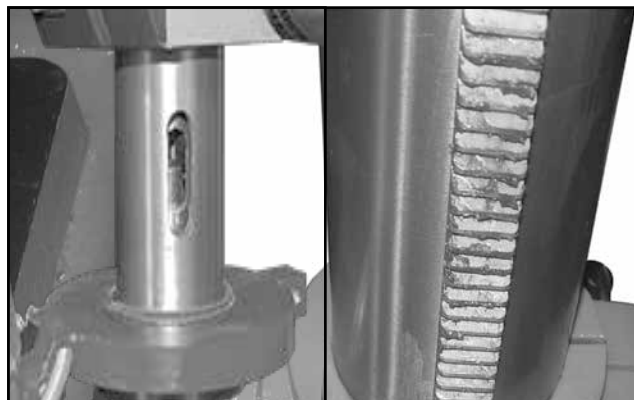


**MAKE SURE THE MACHINE HAS BEEN TURNED OFF AND UNPLUGGED FROM THE POWER SOURCE BEFORE PERFORMING ANY MAINTENANCE OR ADJUSTMENTS.**

## **LUBRICATION**

Periodically lubricate all sliding or moving parts including the column, rack and the quill shown (use any all purpose grease, available at any hardware store).

**Note:** Bearings in the quill and the V-belt pulleys are sealed, permanently lubricated and should require no further maintenance.



# **RECOMMENDED OPTIONAL ACCESSORIES**



Item #70-025

### **25 PIECE DRUM SANDING KIT**

Turn your drill press into a mini drum sander. 5 different sized drums: 1/2", 3/4", 1", 1-1/2" & 2" plus 2 sets of 80 grit and 2 sets of 120 grit, sanding sleeves for each.



Item #70-030

### **ABRASIVE SLEEVES**

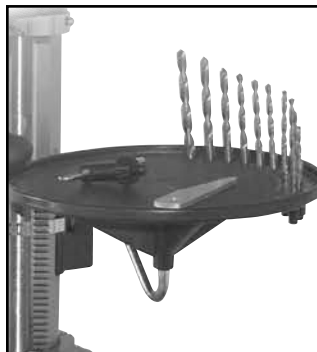
10 piece replacement abrasive sleeve set for 70-025. Includes 5 (one of each size) 80 & 120 grit sanding sleeves.



Item #70-105

### **9" AUGER DRILL BIT SET**

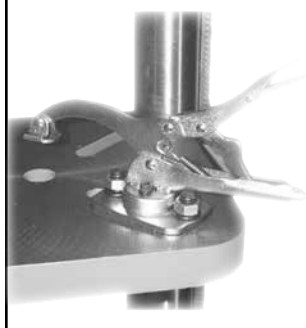
Heavy duty carbon steel. Heat treated and precision sharpened for quick, accurate and effortless cuts. Includes 6 bits - sizes: 1/4", 5/16", 3/8", 1/2", 5/8", 3/4" with 3/8" shank, in a convenient carrying case.



Item #70-125

### **DRILL PRESS TOOL TRAY**

Can be installed on most drill press columns. Made with a metal swivel rod.



Item #70-130

### **9" VISE-CLAMP**

Adjustable lock-in clamping pressure and 360 degree rotation; a must for all safety conscious woodworkers. Includes two 1/2" t-bolts to mount to any drill table with 9/16" (or wider) mounting holes.



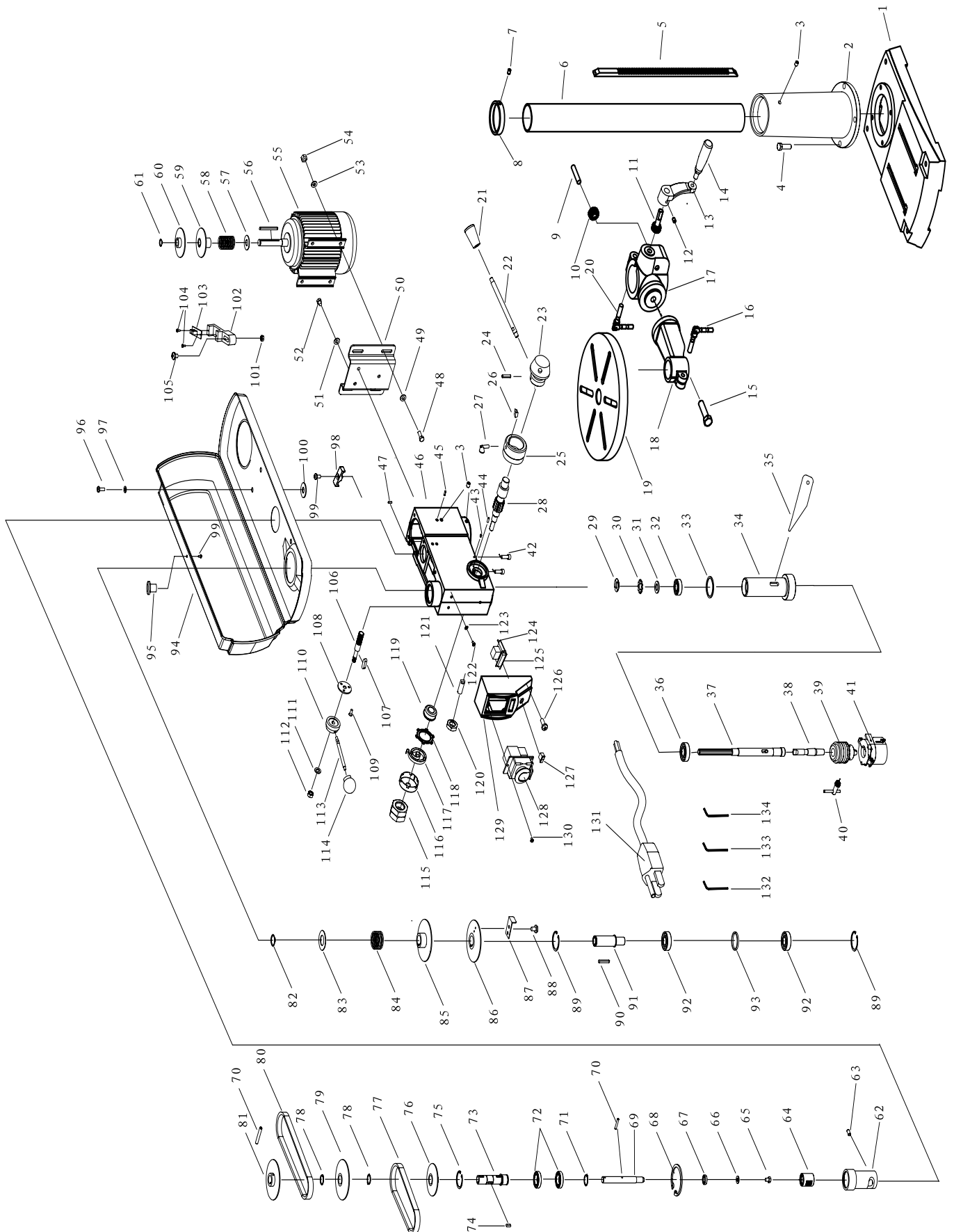
Item #95-140 / 95-150 / 95160

### **DRILL PRESS VISES**

Hold down slots along both sides. High tensile iron casting construction for maximum durability. One-piece cast-iron axial sleeve and movable jaws. Fast action, "Acme" type screw threads.

**95-140 (4") / 95-150 (5") / 95-160 (6")**

# DIAGRAM 75-155



# PARTS LIST

## 75-155

**IMPORTANT:** When ordering replacement parts, always give the model number, serial number of the machine and part number. Also a brief description of each item and quantity desired.

PART #	REFERENCE	DESCRIPTION	SPECIFICATIONS	QTY
75155-01	13301001A	BASE		1
75155-02	16101002	SUPPPORT COLUMN		1
75155-03		SET SCREW	M10 X 12	3
75155-04		BOLT	M10 X 30	4
75155-05	16101010	RACK		1
75155-06	16101003	COLUMN		1
75155-07		SET SCREW	M6 X 10	1
75155-08	16101011D	RACK RETENTION RING		1
75155-09	16101007A	PIN		1
75155-10	16101006	HELICAL GEAR		1
75155-11	16101008	WORM GEAR		1
75155-12		SET SCREW	M8 X 10	1
75155-13	13201009B	HANDLE BRACKET		1
75155-14	13201009B-2	HANDLE		1
75155-15		HEX HEAD BOLT	M16 X 35	1
75155-16	16101013A	LOCK HANDLE		1
75155-17	16101004	TABLE BRACKET		1
75155-18	16101005	TABLE ARM		1
75155-19	16101014A	TABLE		1
75155-20	16101012A	LOCK HANDLE		1
75155-21	20104011	KNOB		3
75155-22	16104005A	ROD		3
75155-23	16104001	HANDLE BRACKET		1
75155-24		PIN	5 X 16	1
75155-25	16104003	DEPTH STOP RING		1
75155-26	16104004	LOCK BLOCK		1
75155-27	13102005B	DEPTH LOCK SCREW		1
75155-28	16104002	SHAFT PINION		1
75155-29	16103005	NYLOCK NUT		1
75155-30	16103004	RETENTION RING		1
75155-31	16103003	WASHER		1
75155-32		BEARING	6203	1
75155-33	16103006	QUILL GASKET		1
75155-34	16103002	QUILL ASSEMBLY		1
75155-35	16103008	DRIFT KEY		1
75155-36		BEARING	8204	1
75155-37	16103001	SPINDLE		1
75155-38	16103007	ARBOR		1
75155-39	16103009G	CHUCK		1
75155-40	16103009G-1	CHUCK KEY		1
75155-41	16108002	CHUCK GUARD		1
75155-42	13302026	LASER POINTER		2
75155-43		SET SCREW	M6 X 8	2
75155-44	16104010	STOP PIN		1
75155-45		PIN	6 X 25	2
75155-46	W16102001	HEAD STOCK		1
75155-47		PIN	5 X 35	2
75155-48		HEX HEAD BOLT	M8 X 25	4
75155-49		WASHER		4
75155-50	W16102007	MOTOR PLATE		1
75155-51		LOCK WASHER		3
75155-52		HEX HEAD BOLT	M8 X 20	3
75155-53		WASHER		4
75155-54		NUT	M8	4
75155-55	YLL7124-W06	MOTOR		1
75155-56		KEY	5 X 45	1
75155-57	W16205005-4	LOCK WASHER		1
75155-58	W16205005-3	MOTOR PULLEY SPRING		1
75155-59	W16205005-2	MOVEABLE PULLEY FLANGE		1
75155-60	W16205005-1	FIXED PULLEY FLANGE		1
75155-61		RETENTION RING		1
75155-62	W16105004-5	TENSIONING PULLEY BASE		1
75155-63		PIN	3 X 8	1
75155-64	W16205004-2	SLEEVE		1
75155-65		HEX HEAD BOLT	M8 X 12	1
75155-66		LOCK WASHER		1
75155-67		BEARING		1



# PARTS LIST

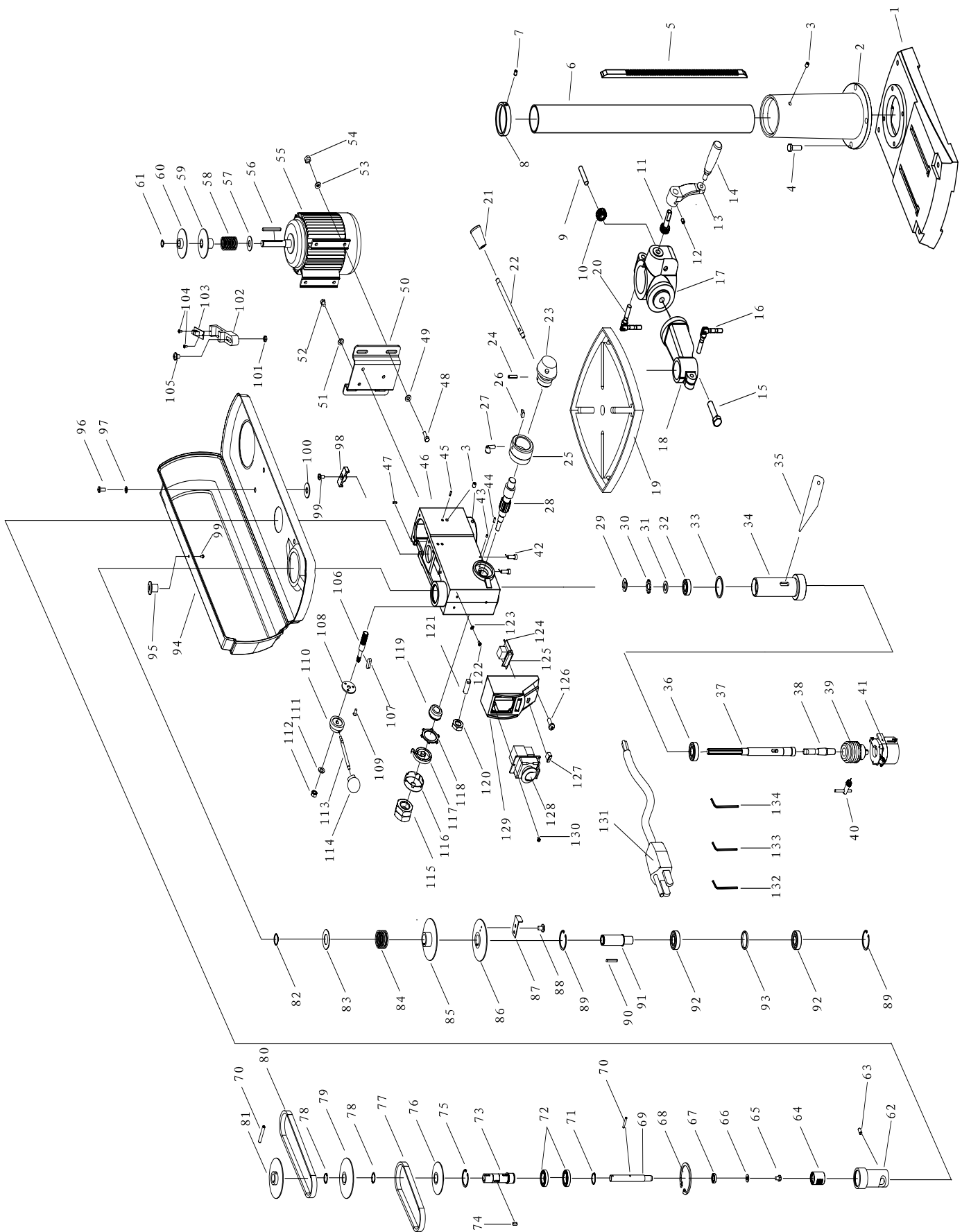
## 75-155

**IMPORTANT:** When ordering replacement parts, always give the model number, serial number of the machine and part number. Also a brief description of each item and quantity desired.

PART #	REFERENCE	DESCRIPTION	SPECIFICATIONS	QTY
75155-68		RETENTION RING		1
75155-69	W16205007-2	TENSIONING PULLEY SHAFT		1
75155-70		PIN	5 X 32	2
75155-71		RETENTION RING		1
75155-72		BEARING	61905	2
75155-73	W16205007-1	SLEEVE		1
75155-74		KEY	5X14	1
75155-75		RETENTION RING		1
75155-76	W16205006-2	TENSIONING PULLEY FLANGE		1
75155-77	W16105010	"V" BELT	16 X 565	1
75155-78		RETENTION RING		2
75155-79	W16205006-3	TENSIONING PULLEY FLANGE		1
75155-80	W20105010	"V" BELT	17 X 690	1
75155-81	W16205006-1	UPPER TENSIONING PULLEY FLANGE		1
75155-82		RETENTION RING		1
75155-83	W16205009-4	SPRING STOP SPACER		1
75155-84	W16205009-3	SPRING		1
75155-85	W16205009-2	UPPER PULLEY FLANGE		1
75155-86	W16205009-1	LOWER PULLEY FLANGE		1
75155-87	W16205009-5A	SPEED SENSOR TAB		1
75155-88		SCREW	M4 X 6	2
75155-89	16102024	RETENTION RING		2
75155-90		KEY	5 X 35	1
75155-91	W16102022	PULLEY SHAFT		1
75155-92		BEARING	6204	2
75155-93	16102023A	SPACER		1
75155-94	W16105000	PULLEY COVER		1
75155-95	13205010	KNOB		1
75155-96		SCREW	M6 X 12	4
75155-97		WASHER		4
75155-98	16102014A	CORD CLAMP		1
75155-99		SCREW	M5 X 10	2
75155-100	13105009	WASHER		4
75155-101		NYLOCK NUT	M4	2
75155-102	W134A05009	SENSOR BRACKET		1
75155-103	DQ014001100-4	SENSOR		1
75155-104		CAP SCREW	M2.5 X 5	1
75155-105		SCREW	M4 X 20	2
75155-106	W16202027A	GEAR SHAFT		1
75155-107		KEY	3 X 8	1
75155-108	W13202028B	FLANGE		1
75155-109		SCREW	M5 X 10	3
75155-110	W13202031	HANDLE HOLDER		1
75155-111		LOCK WASHER		1
75155-112		NYLOCK NUT	M10	1
75155-113	C13104005	ROD		1
75155-114	13204011	KNOB		1
75155-115		NUT	M12	2
75155-116	16104008	CAP SPRING		1
75155-117	16104009	SPRING		1
75155-118	16104007A	NUT		1
75155-119	16104006A	SLEEVE		1
75155-120		NUT	M10	1
75155-121	16102021	NYLOCK NUT		1
75155-122		SET SCREW	M5 X 6	2
75155-123		SPROCKET WASHER		2
75155-124		SCREW	ST2.9 X 6.5	2
75155-125	DQ010003200	DIGITAL SPEED DISPLAY		1
75155-126		SCREW	M5 X 16	3
75155-127	KCD1	LASER SWITCH		1
75155-128	KJD12	SWITCH		1
75155-129	W16102008A	SWITCH BOX		1
75155-130		SCREW	ST4.2 X 9.5	3
75155-131	DLCKEE3S16	POWER CORD W/PLUG		1
75155-132		ALLEN KEY	3 MM	1
75155-133		ALLEN KEY	4 MM	1
75155-134		ALLEN KEY	5 MM	1

# DIAGRAM

## 75-165



# PARTS LIST

## 75-165

**IMPORTANT:** When ordering replacement parts, always give the model number, serial number of the machine and part number. Also a brief description of each item and quantity desired.

PART #	REFERENCE	DESCRIPTION	SPECIFICATIONS	QTY
75165-01	16101001B	BASE		1
75165-02	16201002	SUPPPORT COLUMN		1
75155-03		SET SCREW	M10 X 12	3
75165-04		BOLT	M10 X 30	4
75155-05	16101010	RACK		1
75165-06	16201003	COLUMN		1
75155-07		SET SCREW	M6 X 10	1
75165-08	16201011E	RACK RETENTION RING		1
75155-09	16101007A	PIN		1
75155-10	16101006	HELICAL GEAR		1
75155-11	16101008	WORM GEAR		1
75155-12		SET SCREW	M8 X 10	1
75155-13	13201009B	HANDLE BRACKET		1
75155-14	13201009B-2	HANDLE		1
75155-15		HEX HEAD BOLT	M16 X 35	1
75155-16	16101013A	LOCK HANDLE		1
75165-17	16201004	TABLE BRACKET		1
75165-18	16201005	TABLE ARM		1
75165-19	16201014D	TABLE		1
75155-20	16101012A	LOCK HANDLE		1
75155-21	20104011	KNOB		3
75155-22	16104005A	ROD		3
75155-23	16104001	HANDLE BRACKET		1
75155-24		PIN	5 X 16	1
75155-25	16104003	DEPTH STOP RING		1
75155-26	16104004	LOCK BLOCK		1
75155-27	13102005B	DEPTH LOCK SCREW		1
75155-28	16104002	SHAFT PINION		1
75155-29	16103005	NYLOCK NUT		1
75155-30	16103004	RETENTION RING		1
75155-31	16103003	WASHER		1
75155-32		BEARING	6203	1
75165-33	16203006	QUILL GASKET		1
75165-34	16203002	QUILL ASSEMBLY		1
75155-35	16103008	DRIFT KEY		1
75165-36		BEARING	8206	1
75165-37	16203001A	SPINDLE		1
75165-38	20103007	ARBOR		1
75155-39	16103009G	CHUCK		1
75155-40	16103009G-1	CHUCK KEY		1
75165-41	20108002	CHUCK GUARD		1
75155-42	13302026	LASER POINTER		2
75155-43		SET SCREW	M6 X 8	2
75155-44	16104010	STOP PIN		1
75155-45		PIN	6 X 25	2
75165-46	W16202001	HEAD STOCK		1
75155-47		PIN	5 X 35	2
75155-48		HEX HEAD BOLT	M8 X 25	4
75155-49		WASHER		4
75165-50	W16202007	MOTOR PLATE		1
75155-51		LOCK WASHER		3
75155-52		HEX HEAD BOLT	M8 X 20	3
75155-53		WASHER		4
75155-54		NUT	M8	4
75165-55	YLL8014-W03	MOTOR		1
75155-56		KEY	5 X 45	1
75155-57	W16205005-4	LOCK WASHER		1
75155-58	W16205005-3	MOTOR PULLEY SPRING		1
75155-59	W16205005-2	MOVEABLE PULLEY FLANGE		1
75155-60	W16205005-1	FIXED PULLEY FLANGE		1
75155-61		RETENTION RING		1
75155-62	W16105004-5	TENSIONING PULLEY BASE		1
75155-63		PIN	3 X 8	1
75155-64	W16205004-2	SLEEVE		1
75155-65		HEX HEAD BOLT	M8 X 12	1
75155-66		LOCK WASHER		1
75155-67		BEARING		1

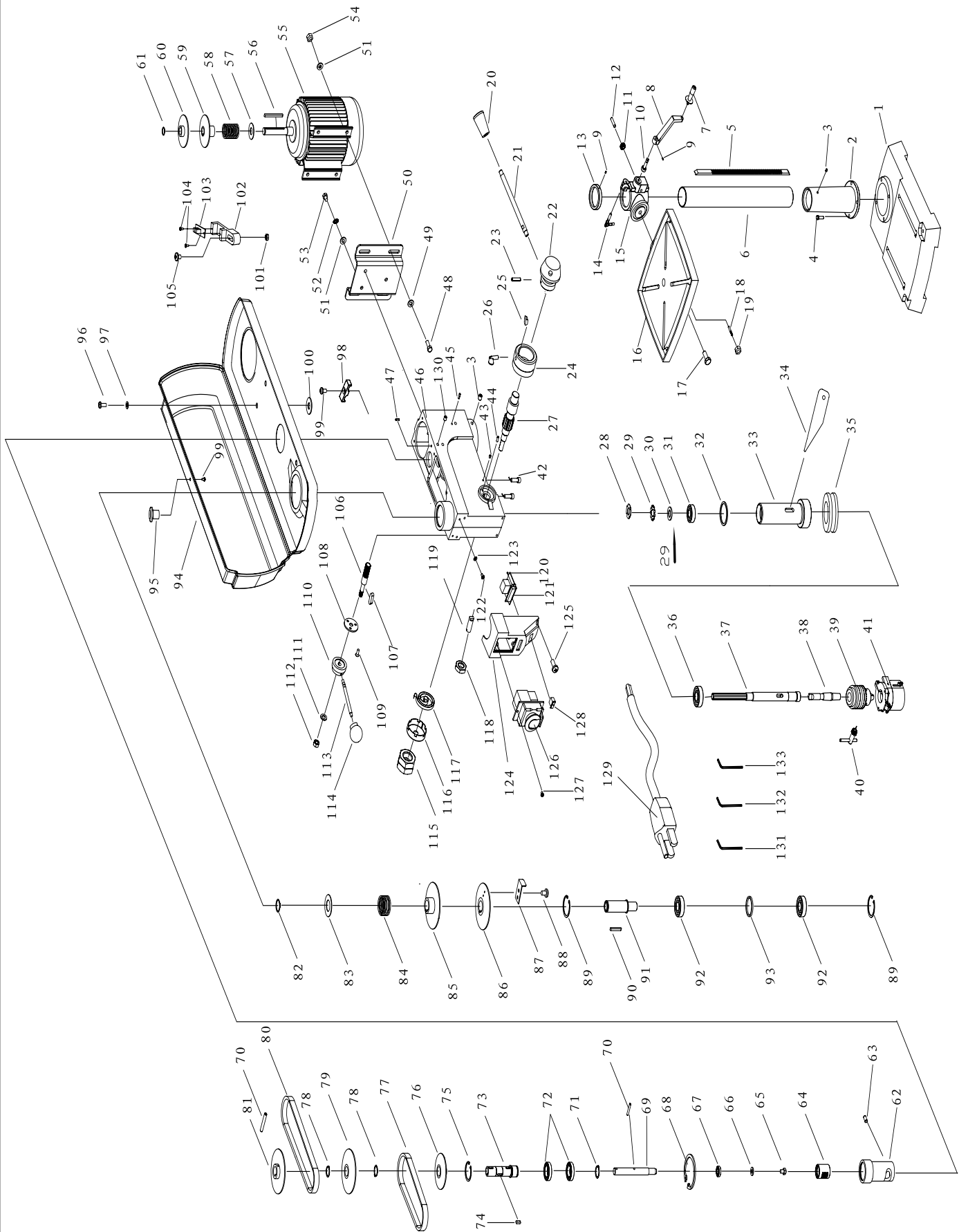
# PARTS LIST

## 75-165

**IMPORTANT:** When ordering replacement parts, always give the model number, serial number of the machine and part number. Also a brief description of each item and quantity desired.

PART #	REFERENCE	DESCRIPTION	SPECIFICATIONS	QTY
75155-68		RETENTION RING		1
75155-69	W16205007-2	TENSIONING PULLEY SHAFT		1
75155-70		PIN	5 X 32	2
75155-71		RETENTION RING		1
75155-72		BEARING	61905	2
75155-73	W16205007-1	SLEEVE		1
75155-74		KEY	5X14	1
75155-75		RETENTION RING		1
75155-76	W16205006-2	TENSIONING PULLEY FLANGE		1
75165-77	W16205010	"V" BELT	16 X 600	1
75155-78		RETENTION RING		2
75155-79	W16205006-3	TENSIONING PULLEY FLANGE		1
75155-80	W20105010	"V" BELT	17 X 690	1
75155-81	W16205006-1	UPPER TENSIONING PULLEY FLANGE		1
75155-82		RETENTION RING		1
75155-83	W16205009-4	SPRING STOP SPACER		1
75155-84	W16205009-3	SPRING		1
75155-85	W16205009-2	UPPER PULLEY FLANGE		1
75155-86	W16205009-1	LOWER PULLEY FLANGE		1
75155-87	W16205009-5A	SPEED SENSOR TAB		1
75155-88		SCREW	M4 X 6	2
75165-89	16202024	RETENTION RING		2
75155-90		KEY	5 X 35	1
75165-91	W16202022	PULLEY SHAFT		1
75165-92		BEARING	6205	2
75165-93	16202023A	SPACER		1
75165-94	W16205000	PULLEY COVER		1
75155-95	13205010	KNOB		1
75155-96		SCREW	M6 X 12	4
75155-97		WASHER		4
75155-98	16102014A	CORD CLAMP		1
75155-99		SCREW	M5 X 10	2
75155-100	13105009	WASHER		4
75155-101		NYLOCK NUT	M4	2
75155-102	W134A05009	SENSOR BRACKET		1
75155-103	DQ014001100-4	SENSOR		1
75155-104		CAP SCREW	M2.5 X 5	1
75155-105		SCREW	M4 X 20	2
75155-106	W16202027A	GEAR SHAFT		1
75155-107		KEY	3 X 8	1
75155-108	W13202028B	FLANGE		1
75155-109		SCREW	M5 X 10	3
75155-110	W13202031	HANDLE HOLDER		1
75155-111		LOCK WASHER		1
75155-112		NYLOCK NUT	M10	1
75155-113	C13104005	ROD		1
75155-114	13204011	KNOB		1
75155-115		NUT	M12	2
75155-116	16104008	CAP SPRING		1
75155-117	16104009	SPRING		1
75155-118	16104007A	NUT		1
75155-119	16104006A	SLEEVE		1
75155-120		NUT	M10	1
75155-121	16102021	NYLOCK NUT		1
75155-122		SET SCREW	M5 X 6	2
75155-123		SPROCKET WASHER		2
75155-124		SCREW	ST2.9 X 6.5	2
75155-125	DQ010003200	DIGITAL SPEED DISPLAY		1
75155-126		SCREW	M5 X 16	3
75155-127	KCD1	LASER SWITCH		1
75155-128	KJD12	SWITCH		1
75165-129	W16202008A	SWITCH BOX		1
75155-130		SCREW	ST4.2 X 9.5	3
75155-131	DLCKEE3S16	POWER CORD W/PLUG		1
75155-132		ALLEN KEY	3 MM	1
75155-133		ALLEN KEY	4 MM	1
75155-134		ALLEN KEY	5 MM	1

# DIAGRAM 75-510



# PARTS LIST

## 75-510

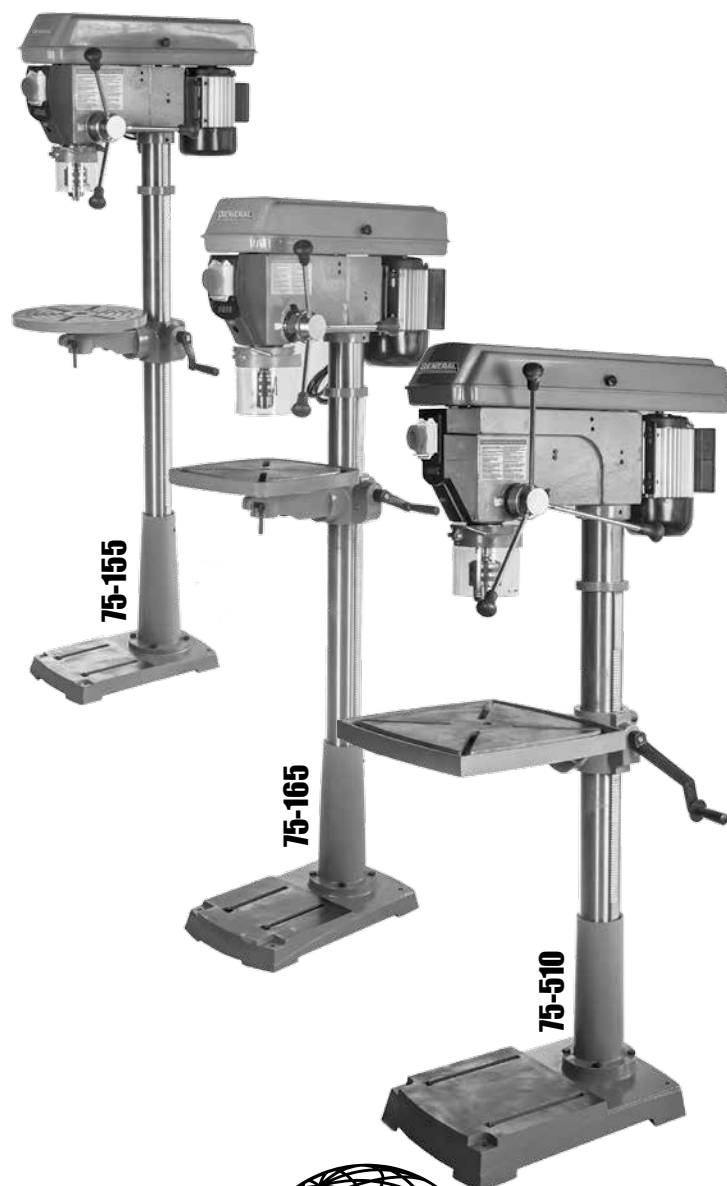
**IMPORTANT:** When ordering replacement parts, always give the model number, serial number of the machine and part number. Also a brief description of each item and quantity desired.

PART #	REFERENCE	DESCRIPTION #	SPECIFICATION	QTY
75510-01	20101001A	BASE		1
75510-02	20101002	SUPPPORT COLUMN		1
75510-03		SET SCREW	M10 X 12	3
75510-04		BOLT	M12 X 40	4
75510-05	20101010	RACK		1
75510-06	20101003	COLUMN		1
75510-07	20101009-2-3-4	HANDLE		1
75510-08	20101009-1	HANDLE BRACKET		1
75510-09		SET SCREW	M6 X 10	2
75510-10	20101008	WORM GEAR		1
75510-11	16101006	HELICAL GEAR		1
75510-12	16101007	PIN-GEAR		1
75510-13	20101011A	RACK RETENTION RING		1
75510-14	16101012A	COLUMN LOCK HANDLE		1
75510-15	20101004	TABLE SUPPORT		1
75510-16	20101014E	TABLE		1
75510-17		HEX HEAD BOLT	M20 X 50	1
75510-18	20101015	THREADED ROD		1
75510-19		LOCK WASHER		1
75510-20	20104011	KNOB		3
75510-21	20104005A	ROD		3
75510-22	16104001	HANDLE BRACKET		1
75510-23		PIN	5 X 16	1
75510-24	16104003	DEPTH STOP RING		1
75510-25	16104004	LOCK BLOCK		1
75510-26	16104012	DEPTH LOCK SCREW		1
75510-27	20104002A	SHAFT PINION		1
75510-28	20103005	NYLOCK NUT		1
75510-29	20103004	RETENTION RING		1
75510-30	20103003	WASHER		1
75510-31		BEARING	6204	1
75510-32	20103006	QUILL GASKET		1
75510-33	20103002A	QUILL ARBOR		1
75510-34	16103008	DRIFT KEY		1
75510-35		THRUST BEARING	8706	1
75510-36		BEARING	8206	1
75510-37	20103001	SPINDLE		1
75510-38	20103007	ARBOR		1
75510-39	20103009	CHUCK		1
75510-40	20103009-1	CHUCK KEY		1
75510-41	20108002	CHUCK GUARD		1
75510-42	20102026A	LASER POINTER		2
75510-43		SET SCREW	M6 X 8	2
75510-44	16104010	STOP PIN		1
75510-45		PIN	8 X 25	2
75510-46	W20102001	HEAD STOCK		1
75510-47		PIN	5 X 35	2
75510-48		HEX HEAD BOLT	M8 X 25	4
75510-49		WASHER		4
75510-50	W20102007	MOTOR PLATE		1
75510-51		WASHER		11
75510-52		LOCK WASHER		3
75510-53		HEX HEAD BOLT	M8 X 16	3
75510-54		NUT	M8	4
75510-55	YLL8024-W03	MOTOR		1
75510-56		KEY	5 X 45	1
75510-57	W16205005-4	LOCK WASHER		1
75510-58	W16205005-3	MOTOR PULLEY SPRING		1
75510-59	W16205005-2	MOVEABLE PULLEY FLANGE		1
75510-60	W16205005-1	FIXED PULLEY FLANGE		1
75510-61		SHAFT RETENTION RING		1
75510-62	W20105004-5	TENSIONING PULLEY BASE		1
75510-63		PIN	3 X 8	1
75510-64	W16205004-2	SLEEVE		1
75510-65		HEX HEAD BOLT	M8 X 12	1

# PARTS LIST

## 75-510

PART #	REFERENCE	DESCRIPTION #	SPECIFICATION	QTY
75510-66		LOCK WASHER		1
75510-67		BEARING	61901	1
75510-68		RETENTION RING		1
75510-69	W20105007-2	TENSIONING PULLEY SHAFT		1
75510-70		PIN	5 X 32	2
75510-71		RETENTION RING		1
75510-72		BEARING	61905	2
75510-73	W16205007-1	SLEEVE		1
75510-74		KEY	5 X 14	1
75510-75		RETENTION RING		1
75510-76	W16205006-2	TENSIONING PULLEY FLANGE		1
75510-77	W20105010	"V" BELT	17 X 690	1
75510-78		RETENTION RING		2
75510-79	W16205006-3	TENSIONING PULLEY FLANGE		1
75510-80	W20105010	"V" BELT	17 X 690	1
75510-81	W16205006-1	UPPER TENSIONING PULLEY FLANGE		1
75510-82		RETENTION RING		1
75510-83	W20105009-4	SPRING STOP SPACER		1
75510-84	W20105009-3	SPRING		1
75510-85	W20105009-2	UPPER PULLEY FLANGE		1
75510-86	W20105009-1	LOWER PULLEY FLANGE		1
75510-87	W16205009-5A	SPEED SENSOR TAB		1
75510-88		SCREW	M4 X 6	2
75510-89	20102024	RETENTION RING		2
75510-90		KEY	5 X 35	1
75510-91	W20102022	PULLEY SHAFT		1
75510-92		BEARING	6206	2
75510-93	20102023A	SPACER		1
75510-94	W20105000B	PULLEYS COVER		1
75510-95	13205010	KNOB		1
75510-96		SCREW	M6 X 12	4
75510-97		WASHER		4
75510-98	16102014A	CORD CLAMP		1
75510-99		SCREW	M5 X 10	2
75510-100	13105009	WASHER		4
75510-101		NYLOCK NUT	M4	2
75510-102	W134A05009	SENSOR PLATE		1
75510-103	DQ014001100-4	SENSOR		1
75510-104		CAP SCREW	M2.5 X 5	1
75510-105		SCREW	M4 X 20	2
75510-106	W16202027A	GEAR SHAFT		1
75510-107		KEY	3 X 8	1
75510-108	W13202028B	FLANGE		1
75510-109		SCREW	M5 X 10	3
75510-110	W13202031	HANDLE HOLDER		1
75510-111		LOCK WASHER		1
75510-112		NYLOCK NUT		1
75510-113	C13104005	ROD		1
75510-114	13204011	KNOB		1
75510-115		NUT	M12	2
75510-116	20104008	CAP SPRING		1
75510-117	20104009	SPRING		1
75510-118		NUT	M10	1
75510-119	16102021	NYLOCK NUT		1
75510-120		SCREW	ST2.9 X 6.5	2
75510-121	DQ010003200	DIGITAL SPEED DISPLAY		1
75510-122		SCREW	M5 X 6	2
75510-123		SPROCKET WASHER		2
75510-124	W20102008A	SWITCH BOX		1
75510-125		SCREW	M5 X 16	4
75510-126	KJD12	SWITCH		1
75510-127		SCREW	ST4.2 X 9.5	2
75510-128	KCD1	LAMP SWITCH		1
75510-129	DLCKEE3R08	POWER CORD W/PLUG		1
75510-130		SCREW	M8 X 16	2
75510-131		ALLEN KEY	3 MM	1
75510-132		ALLEN KEY	4 MM	1
75510-133		ALLEN KEY	5 MM	1



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