

Owner's Manual

CRAFTSMAN[®]

2/3 HP (Maximum Developed)
400-3000 RPM
5/8 Inch Chuck

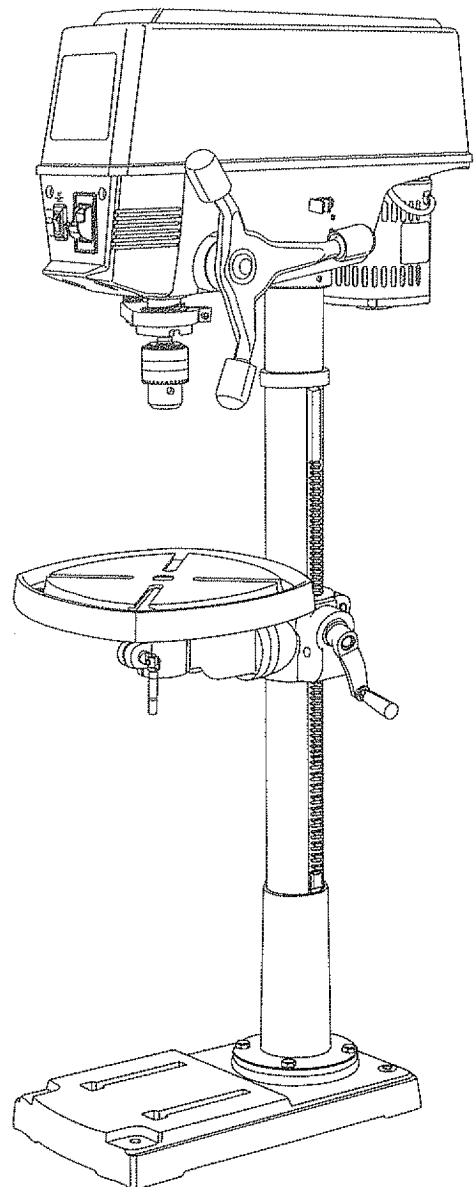
13-INCH VARIABLE SPEED DRILL PRESS

Model No.
137.229130



CAUTION:

Before using this Drill Press, read this manual and follow all its Safety Rules and Operating Instructions.



- Safety Instructions
- Installation
- Operation
- Maintenance
- Parts List
- Español

Customer Help Line
1-800-843-1682

Sears, Roebuck and Co., Hoffman Estates, IL 60179 USA
Part No. 137229130002

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WARRANTY

FULL ONE YEAR WARRANTY

If this product fails due to a defect in material or workmanship within one year from the date of purchase, Sears will repair it free of charge.

Contact a Sears Service Center for repair.

If this product is used for commercial or rental purposes, this warranty applies only for 90 days from the date of purchase.

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

Sears, Roebuck and Co., Dept. 817 WA, Hoffman Estates, IL 60179

PRODUCT SPECIFICATIONS

| | |
|--------------------|---|
| CHUCK SIZE | .5/8" |
| SPEEDS | 400 - 3000 RPM |
| MOTOR | 120V, 60 HZ, 5.9 AMPS |
| HORSEPOWER | .2/3 HP (Max. Developed) |
| BUILT-IN LIGHT | .60 Watt (Maximum) (Bulb not included) |
| TABLE SIZE | 13-1/4" x 13-1/4" |
| TABLE TILT | .45° RIGHT OR LEFT |
| SPINDLE TRAVEL | .3-1/4" |
| SPINDLE TO COLUMN | .6-1/2" |
| BASE SIZE | 18-15/64" x 10-13/16" |
| ACCESSORY INCLUDED | FENCE |
| HEIGHT | .66-1/32" |

▲ WARNING

To avoid electrical hazards, fire hazards, or damage to the tool, use proper circuit protection.

Your drill press is wired at the factory for 120V operation. Connect to a 120V, 15 AMP branch circuit and use a 15 AMP time delay fuse or circuit breaker. To avoid shock or fire, replace power cord immediately if it is worn, cut or damaged in any way.

SAFETY

GENERAL SAFETY INSTRUCTIONS BEFORE USING THE DRILL PRESS

Safety is a combination of common sense, staying alert and knowing how to use your drill press.

▲ WARNING

To avoid mistakes that could cause serious injury, do not plug the drill press in until you have read and understood the following:

- READ** and become familiar with this entire instruction manual. LEARN the tool's applications, limitations, and possible hazards.
- KEEP GUARDS IN PLACE** and in working order.
- REMOVE ADJUSTING KEYS AND WRENCHES.** Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning ON.
- KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
- DON'T USE IN A DANGEROUS ENVIRONMENT.** Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.
- KEEP CHILDREN AWAY.** All visitors should be kept at a safe distance from the work area.
- MAKE WORKSHOP KID PROOF** with padlocks, master switches, or by removing starter keys.
- DON'T FORCE THE TOOL.** It will do the job better and safer at the rate for which it was designed.
- USE THE RIGHT TOOL.** Don't force tool or the attachment to do a job for which it was not designed.
- USE PROPER EXTENSION CORD.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The table on page 5 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
- WEAR PROPER APPAREL.** DO NOT wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.
- WEAR YOUR SAFETY GOGGLES.** ALWAYS WEAR EYE PROTECTION. Any drill press can throw foreign objects into the eyes which could cause permanent eye damage. ALWAYS wear Safety Goggles (not glasses) that comply with ANSI safety standard Z87.1. Everyday eyeglasses have only impact-resistant lenses. They ARE NOT safety glasses. Safety Goggles are available at Sears. NOTE: Glasses or goggles not in compliance with ANSI Z87.1 could seriously hurt you when they break.
- WEAR A FACE MASK OR DUST MASK.** Drilling operation produces dust.
- SECURE WORK.** Use clamps or a vise to hold work when practical. It's safer than using your hand and it frees both hands to operate tool.
- DISCONNECT TOOLS** before servicing, and when changing accessories, such as blades, bits, cutters, and the like.
- REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure the switch is in OFF position before plugging in.
- USE RECOMMENDED ACCESSORIES.** Consult the owner's manual for the recommended accessories. The use of improper accessories may cause risk of injury to persons.
- NEVER STAND ON TOOL.** Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
- CHECK FOR DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.
- NEVER LEAVE TOOL RUNNING UNATTENDED. TURN THE POWER OFF.** Don't leave the tool until it comes to a complete stop.
- DON'T OVERREACH.** Keep proper footing and balance at all times.
- MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.



SAVE THESE INSTRUCTIONS

24. **WARNING:** Dust generated from certain materials can be injurious to your health. Always operate drill press in well ventilated areas and provide for proper dust removal.

SPECIFIC SAFETY INSTRUCTIONS FOR THE DRILL PRESS

⚠️ WARNING

For your own safety, do not try to use your drill press or plug it in until it is completely assembled and installed according to the instructions, and until you have read and understood this instruction manual.

- YOUR DRILL PRESS MUST BE BOLTED** securely to a workbench. In addition, if there is any tendency for your drill press to move during certain operations, bolt the workbench to the floor.
- THIS DRILL PRESS** is intended for use in dry conditions, indoor use only.
- WEAR EYE PROTECTION.** USE face or dust mask along with safety goggles if drilling operation is dusty. USE ear protectors, especially during extended periods of operation.
- DO NOT** wear gloves, neckties, or loose clothing.
- DO NOT** try to drill material too small to be securely held.
- ALWAYS** keep hands out of the path of a drill bit. Avoid awkward hand positions where a sudden slip could cause your hand to move into the drill bit.
- DO NOT** install or use any drill bit that exceeds 175 mm (7") in length or extends 150 mm (6") below the chuck jaws. They can suddenly bend outward or break.
- DO NOT USE** wire wheels, router bits, shaper cutters, circle (fly) cutters, or rotary planers on this drill press.
- WHEN** cutting a large piece of material make sure it is fully supported at the table height.
- DO NOT** perform any operation freehand. ALWAYS hold the workpiece firmly against the table so it will not rock or twist. Use clamps or a vise for unstable workpieces.
- MAKE SURE** there are no nails or foreign objects in the part of the workpiece to be drilled.
- CLAMP WORKPIECE OR BRACE** against the left side of the column to prevent rotation. If it is too short or the table is tilted, clamp solidly to the table and use the fence provided.
- IF THE WORKPIECE** overhangs the table such that it will fall or tip if not held, clamp it to the table or provide auxiliary support.

- SECURE WORK.** Use clamps or a vise to hold the work when practical. It's safer than using your hand and it frees both hands to operate tool.
- WHEN** using a drill press vise, always fasten to the table.
- MAKE SURE** all clamps and locks are firmly tightened before drilling.
- SECURELY LOCK THE HEAD** and table support to the column, and the table to the table support before operating the drill press.
- NEVER** turn your drill press on before clearing the table of all objects (tools, scraps of wood, etc.)
- BEFORE STARTING** the operation, jog the motor switch to make sure the drill bit does not wobble or vibrate.
- LET THE SPINDLE REACH FULL SPEED** before starting to drill. If your drill press makes an unfamiliar noise or if it vibrates excessively, stop immediately, turn the drill press off and unplug. Do not restart until the problem is corrected.
- DO NOT** perform layout assembly or set up work on the table while the drill press is in operation.
- USE RECOMMENDED SPEED** for drill accessory and workpiece material. SEE INSTRUCTIONS that come with the accessory.
- WHEN DRILLING** large diameter holes, clamp the workpiece firmly to the table. Otherwise, the bit may grab and spin the workpiece at high speed. **DO NOT USE** fly cutters or multiple-part hole cutters, as they can come apart or become unbalanced in use.
- MAKE SURE** the spindle has come to a complete stop before touching the workpiece.
- TO AVOID INJURY** from accidental starting, always turn the switch OFF and unplug the drill press before installing or removing any accessory or attachment or making any adjustment.
- KEEP GUARDS IN PLACE** and in working order.
- USE ONLY SELF-EJECTING TYPE CHUCK KEY** as provided with the drill press.

ELECTRICAL REQUIREMENTS

POWER SUPPLY AND MOTOR SPECIFICATIONS

⚠️ WARNING

To avoid electrical hazards, fire hazards, or damage to the tool, use proper circuit protection. Use a separate electrical circuit for your tools. Your drill press is wired at the factory for 120V operation. Connect to a 120V, 15 Amp circuit and use a 15 Amp time delay fuse or circuit breaker. To avoid shock or fire, if power cord is worn or cut, or damaged in any way, have it replaced immediately.

GROUNDING INSTRUCTIONS

⚠️ WARNING

This tool must be grounded while in use to protect the operator from electrical shock.

IN THE EVENT OF A MALFUNCTION OR BREAKDOWN, grounding provides a path of least resistance for electric current and reduces the risk of electric shock. This tool is equipped with an electric cord that has an equipment grounding conductor and a grounding plug. The plug **MUST** be plugged into a matching receptacle that is properly installed and grounded in accordance with ALL local codes and ordinances.

DO NOT MODIFY THE PLUG PROVIDED. If it will not fit the receptacle, have the proper receptacle installed by a qualified electrician.

IMPROPER CONNECTION of the equipment grounding conductor can result in risk of electric shock. The conductor with the green insulation (with or without yellow stripes) is the equipment grounding conductor. If repair or replacement of the electric cord or plug is necessary, **DO NOT** connect the equipment grounding conductor to a live terminal.

CHECK with a qualified electrician or service person if you do not completely understand the grounding instructions, or if you are not sure the tool is properly grounded.

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 damaged or worn cord immediately.

Use a separate electrical circuit for your tools. This circuit must not be less than #12 wire and should be protected with a 15 Amp time lag fuse. Before connecting the motor to the power line, make sure the switch is in the OFF position and the electric current is rated the same as the current stamped on the motor nameplate. Running at a lower voltage will damage the motor.

This tool is intended for use on a circuit that has a receptacle like the one illustrated in FIGURE A. FIGURE A shows a 3-prong electrical plug and receptacle that has a grounding conductor. If a properly grounded receptacle is not available, an adapter (FIGURE B) can be used to temporarily connect this plug to a 2-contact ungrounded receptacle. The adapter (FIGURE B) has a rigid lug extending from it that **MUST** be connected to a permanent earth ground, such as a properly grounded receptacle box. **THE TEMPORARY ADAPTER SHOULD BE USED ONLY UNTIL A PROPERLY GROUNDED OUTLET CAN BE INSTALLED BY A QUALIFIED ELECTRICIAN.** The Canadian Electrical Code prohibits the use of adapters.

CAUTION: In all cases, make certain the receptacle is properly grounded. If you are not sure have a qualified electrician check the receptacle.

Fig. A

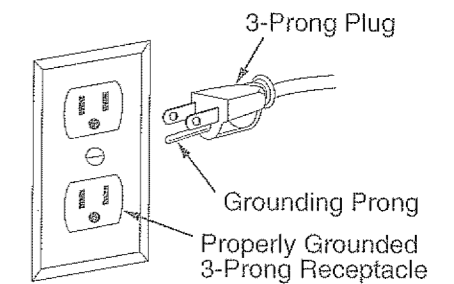
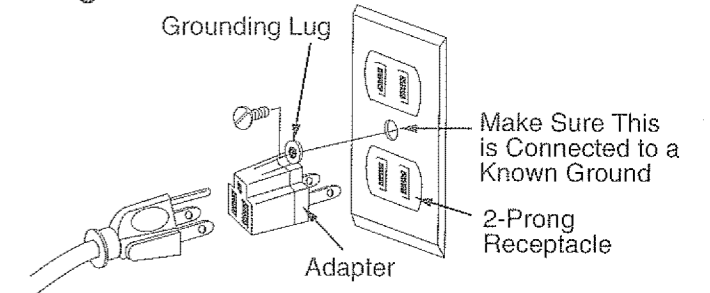


Fig. B



⚠️ WARNING

This drill press is for indoor use only. Do not expose to rain or use in damp locations

GUIDELINES FOR EXTENSION CORDS

USE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will result in a drop in line voltage and in loss of power which will cause the tool to overheat. The table below shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

Be sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it. Protect your extension cords from sharp objects, excessive heat and damp or wet areas.

| MINIMUM GAUGE FOR EXTENSION CORDS (AWG) | | | | | |
|---|---------------|------------------------------|-----|-----------------|------|
| (when using 120 volts only) | | | | | |
| Ampere Rating | | Total length of cord in feet | | | |
| more than | not more than | 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 | |

SAVE THESE INSTRUCTIONS

SAVE THESE INSTRUCTIONS

ACCESSORIES AND ATTACHMENTS

AVAILABLE ACCESSORIES

Visit your Sears Hardware Department or see the Sears Power and Hand Tools Catalog for the following accessories:

- Drill bits
- Hold-Down and Guide
- Drill Press Vises
- Clamping Kit

⚠ WARNING

To avoid personal injury:

- Use only accessories recommended for this drill press.
- Follow instructions that accompany accessories. Use of improper accessories may cause hazards.
- Use only accessories designed for this drill press to avoid injury from thrown broken parts or workpieces.
- Do not use any accessory unless you have completely read the instruction or owner's manual for that accessory.

CARTON CONTENTS

UNPACKING AND CHECKING CONTENTS

Carefully unpack the drill press and all its parts, and compare against the list below.

To protect the drill press from moisture, a protective coating has been applied to the machined surfaces. Remove this coating with a soft cloth moistened with kerosene or WD-40.

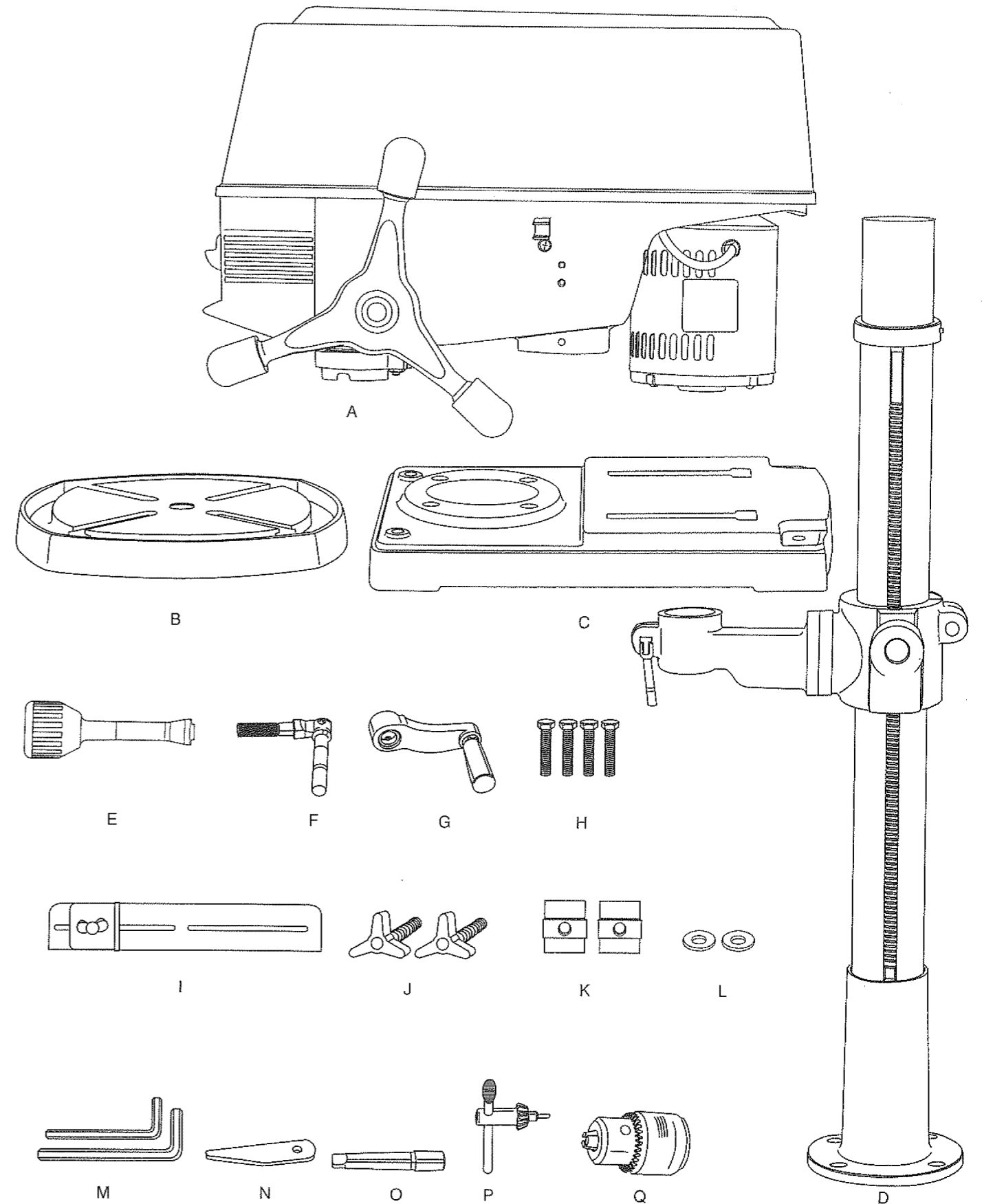
⚠ WARNING

To avoid personal injury:

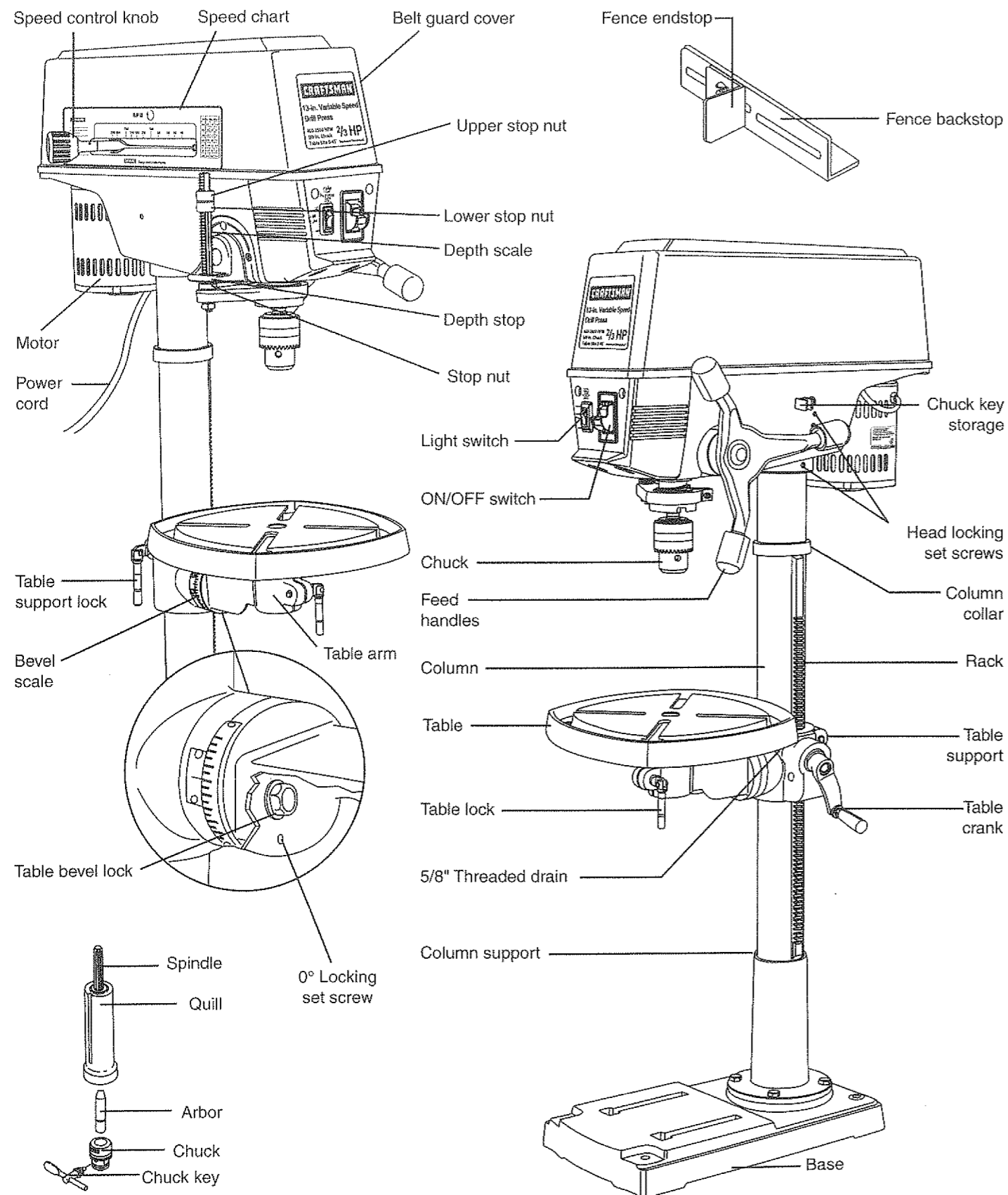
- If any part is missing or damaged, do not plug the drill press in until the missing or damaged part is replaced, and assembly is complete.
- To avoid fire or toxic reaction, never use gasoline, naphtha, acetone, lacquer thinner or similar highly volatile solvents to clean the drill press.

| ITEM | DESCRIPTION | QUANTITY |
|------|-------------------------------|----------|
| A. | Head assembly | 1 |
| B. | Table | 1 |
| C. | Base | 1 |
| D. | Column assembly | 1 |
| E. | Speed control knob and collar | 1 |
| | Loose parts bag: | |
| F. | Lock handle | 1 |
| G. | Crank handle | 1 |
| H. | Hex bolts | 4 |
| I. | Fence assembly | 1 |
| J. | Triangle knobs | 2 |
| K. | T-Block | 2 |
| L. | Washer | 2 |
| M. | Hex wrenches | 2 |
| N. | Wedge | 1 |
| O. | Arbor | 1 |
| | Box: | |
| P. | Chuck key | 1 |
| Q. | Chuck | 1 |

UNPACKING YOUR DRILL PRESS



KNOW YOUR DRILL PRESS



GLOSSARY OF TERMS

BASE – Supports the drill press. For additional stability, holes are provided in the base to bolt the drill press to the floor. (See “Specific Safety Instructions for Drill Presses”.)

BACKUP MATERIAL – A piece of scrap wood placed between the workpiece and table. The backup board prevents wood in the workpiece from splintering when the drill passes through the backside of the workpiece. It also prevents drilling into the table top.

BELT GUARD ASSEMBLY – Covers the pulleys and belt during operation of the drill press.

BEVEL SCALE – Shows the degree of table tilt for bevel operations. The scale is mounted on the side of the arm.

CHUCK – Holds the drill bit or other recommended accessory to perform desired operations.

CHUCK KEY – A self-ejecting chuck key which will pop out of the chuck when you let go of it. This action is designed to help prevent throwing of the chuck key from the chuck when the power is turned ON. Do not use any other key as a substitute; order a new one if damaged or lost.

COLUMN – Connects the head, table, and base on a one-piece tube for easy alignment and movement.

COLUMN COLLAR – Holds the rack to the column. Rack remains movable in the collar to permit table support movements.

COLUMN SUPPORT – Supports the column, guides the rack and provides mounting holes for column to base.

DEPTH SCALE STOP NUTS – Lock the spindle to the selected depth.

DEPTH SCALE – Indicates depth of hole being drilled.

DRILL BIT – The cutting tool used in the drill press to make holes in a workpiece.

DRILL ON/OFF SWITCH – Has locking feature. This feature is intended to help prevent unauthorized and possible hazardous use by children and others. Insert the key into the switch to turn the drill press on.

FEED HANDLE – Moves the chuck up or down.

FENCE – Attaches to the table to align the workpiece or for fast repetitive drilling. Removable. Remove fence when it interferes with other drill press accessories.

HEAD LOCKS – Locks the head to the column. ALWAYS lock the head in place while operating the drill press.

RACK – Combines with gear mechanism to provide easy elevation of the table by the hand operated table crank.

REVOLUTION PER MINUTE (R.P.M.) – The number of turns completed by a spinning object in one minute.

SPEED CONTROL CHART – Choose the drilling speed by moving the knob lever's location on the chart.

SPEED CONTROL KNOB – Changes the drilling speed when moved.

SPINDLE SPEED – The R.P.M. of the spindle.

TABLE SUPPORT LOCK – Tightening locks the table support to the column. Always have it locked in place while operating the drill press.

TABLE – Provides a working surface to support the workpiece.

TABLE ARM – Extends beyond the table support for mounting and aligning the table.

TABLE BEVEL LOCK – Locks the table in any position from 0° – 45°.

TABLE CRANK – Elevates and lowers the table. Turn clockwise to elevate the table. Support lock must be released before operating the crank.

TABLE LOCK – Locks the table after it is rotated to various positions.

TABLE SUPPORT – Rides on the column to support the table arm and table.

THREADED DRAIN (5/8") – Attach a 5/8" (pipe threaded) metal pipe to the threaded opening for draining excess oil into container. For a non-draining surface attach a threaded metal plug. Pipe and plug not included.

WORKPIECE – Material being drilled.

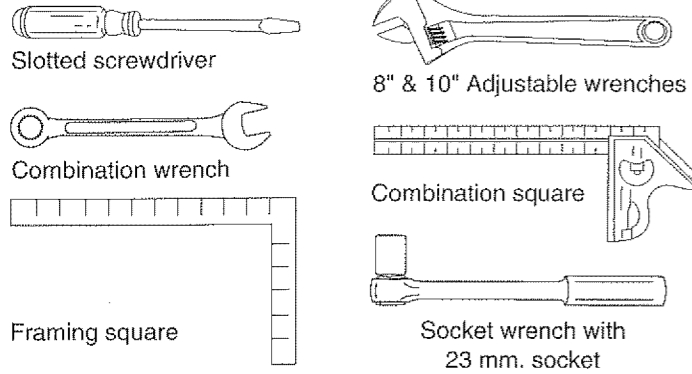
ASSEMBLY AND ADJUSTMENTS

ASSEMBLY INSTRUCTIONS

▲ WARNING

For your own safety, never connect plug to power source outlet until all assembly and adjustment steps are completed, and you have read and understood the safety and operating instructions.

TOOLS NEEDED



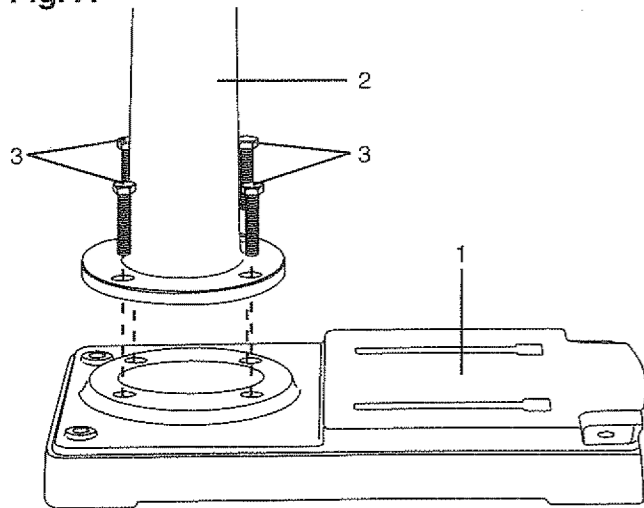
▲ WARNING

The Drill Press is very heavy and MUST be lifted with the help of 2 PEOPLE OR MORE, to safely assemble it.

COLUMN SUPPORT TO BASE (FIG. A)

1. Position the base (1) on the floor.
2. Place the column (2) on the base, aligning the holes in the column support with the holes in the base.
3. Locate the four long hex bolts (3) from the loose parts bag.
4. Place a bolt in each hole through the column support and the base. Tighten with an adjustable wrench.

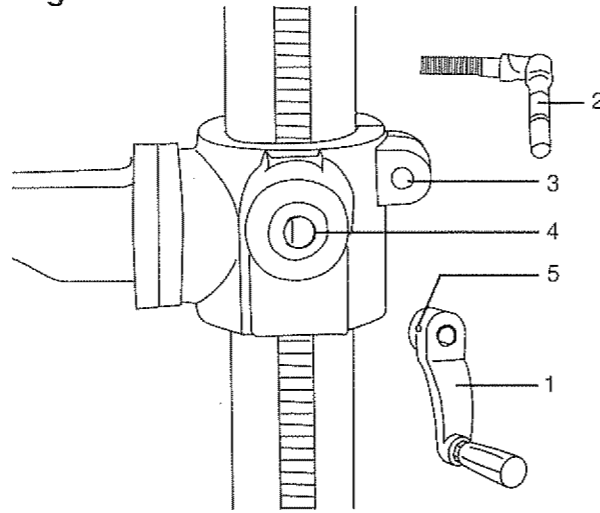
Fig. A



INSTALLING THE TABLE (FIG. B and C)

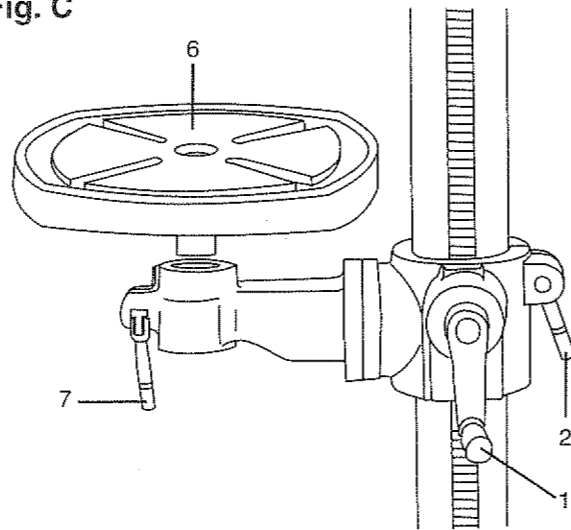
1. Locate the table crank (1) and support lock (2) from the loose parts bag.
2. Insert the support lock handle into the hole (3) at the rear of the table support assembly. Tighten by hand.
3. Install the table crank handle onto the small shaft (4), aligning the set screw (5) with the flat surface of the shaft. Tighten the set screw with a hex wrench.

Fig. B



4. (FIG. C) Loosen the support lock (2). Raise the table arm assembly by turning the crank handle (1) clockwise. Tighten the support lock.
5. Place the table (6) in the table arm assembly. Tighten the table lock handle (7).

Fig. C



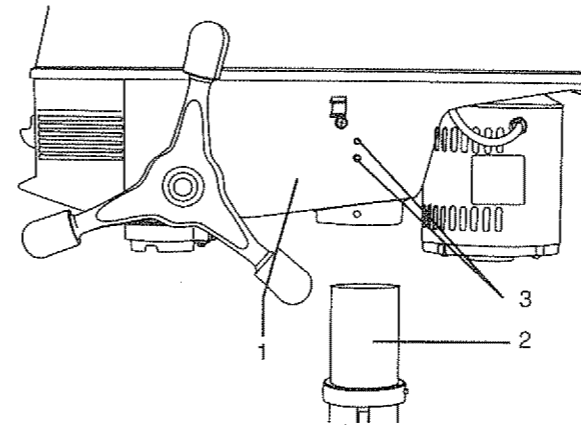
INSTALLING THE HEAD (FIG. D)

▲ WARNING

The Drill Press head is very heavy and MUST be lifted with the help of 2 PEOPLE OR MORE, to safely assemble the Drill Press head on the column.

1. Carefully lift the head (1) above the column (2) and slide it onto the column. Make sure the head slides down over the column as far as possible. Align the head with the base.
2. Using the hex wrench, tighten the two head lock set screws (3) on the right side of the head.

Fig. D

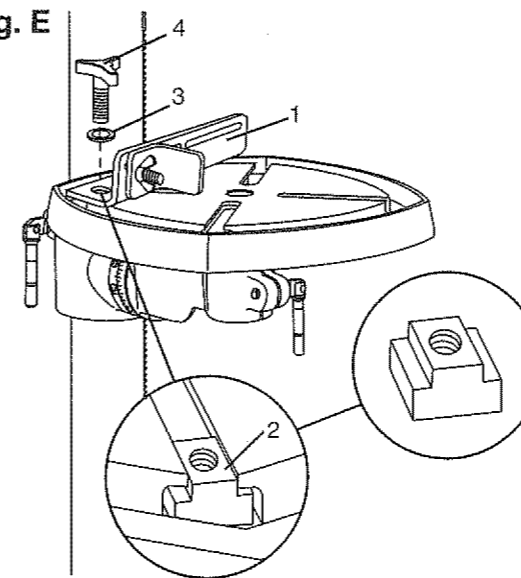


FENCE ASSEMBLY (FIG. E)

This drill press has a channeled table top.

1. Determine the desired location for the fence (1). Slide the T-blocks (2) into the appropriate channels as shown.
2. Align the mounting holes of the fence over the T-block's threaded holes.
3. Place a washer (3) on the threaded end of the knob (4). Insert the knob through the mounting hole of the fence into the T-block, and tighten.
4. Repeat for the other knob and T-block.

Fig. E

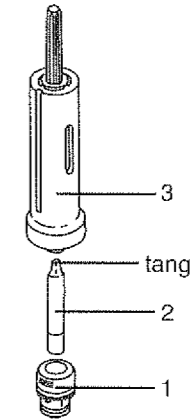


INSTALLING THE CHUCK (FIG. F, G, and H)

1. Clean out the tapered hole in the chuck (1) with a clean cloth.
2. Clean tapered surfaces on the arbor (2) and spindle (3).

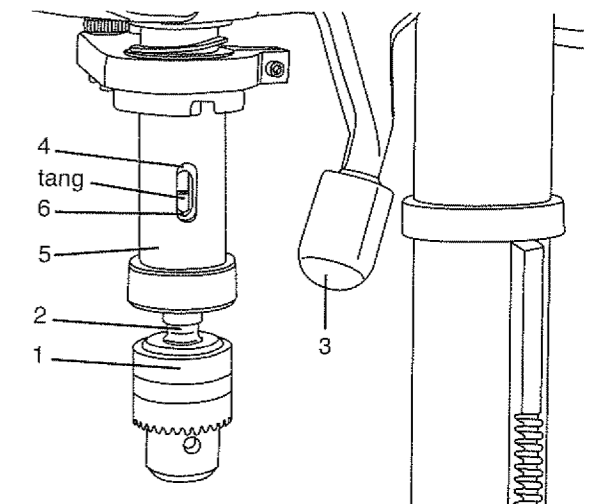
CAUTION: Make sure there are no foreign particles sticking to the surfaces. The slightest piece of dirt on any of these surfaces will prevent the chuck from seating properly. This will cause the drill chuck and bit to wobble. If tapered hole inside spindle is extremely dirty, use a cleaning solvent.

Fig. F



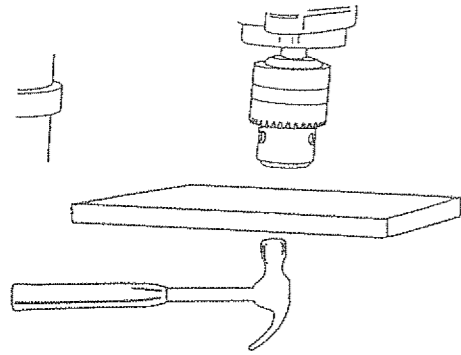
3. (FIG. G) Push the chuck (1) onto the spindle arbor (2). Tap gently to ensure seat.
4. Lower the spindle by turning the feed handles (3) counterclockwise, until the slot (4) appears on the quill (5).
5. Push the chuck and spindle arbor up into the spindle, making sure the tang (upper narrow end of the spindle arbor shank) is engaged and locked in the inner slot (6) of the spindle. This can be seen through the outer slot (4) of the quill by rotating the chuck and arbor until the two slots are aligned.
6. Open the jaws of the chuck (1) by rotating the chuck sleeve clockwise. To prevent damage, make sure the jaws are completely retracted into the chuck.

Fig. G



- Using a rubber mallet, plastic-tipped hammer, or a block of wood and a hammer, firmly tap the chuck upward into position on the spindle shaft. (FIG. H)

Fig. H

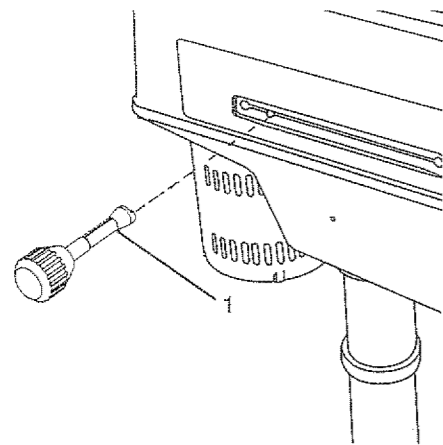


INSTALLING THE SPEED CONTROL KNOB (FIG. I)

- Insert the speed control knob (1) into the head assembly and tighten.

NOTE: When installing the knob (1), be sure the red lines on the lever stay upwards.

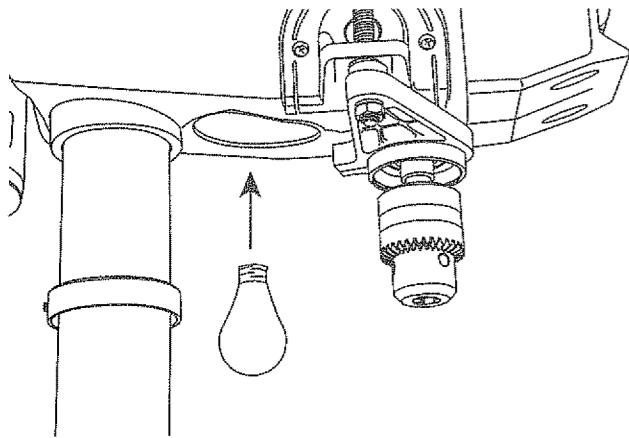
Fig. I



INSTALLING LIGHT BULB (FIG. J) (not included)

- Install a light bulb (no larger than 60 watt) into the socket inside the head.

Fig. J



DRILL PRESS ADJUSTMENTS

CAUTION: All the adjustments for the operation of the drill press have been completed at the factory. Due to normal wear and use, some occasional readjustments may be necessary.

⚠ WARNING

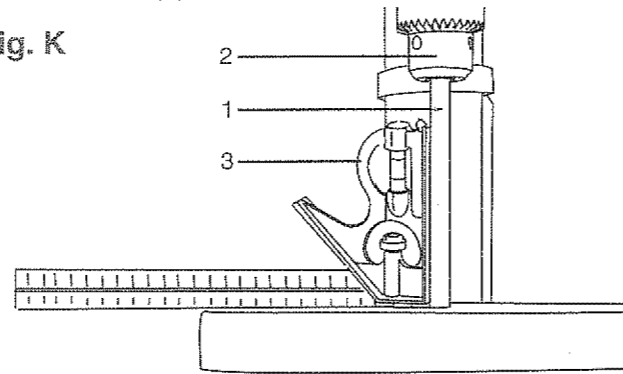
To prevent personal injury, always disconnect the plug from the power source when making any adjustments.

SQUARING TABLE TO HEAD (FIG. K and L)

NOTE: The table arm and support has a predrilled hole with a locking set screw inserted for locking the table to a predetermined 0° horizontal position. It must be loosened to change the angle of the table.

- Insert a 1/4", or larger diameter, precision ground steel rod (1), approximately 3" long, into the chuck (2). Tighten the chuck jaws.
- Raise table to working height and lock.
- Using the combination square (3), place one edge flat on the table, and align the other edge vertically beside the rod (1).

Fig. K



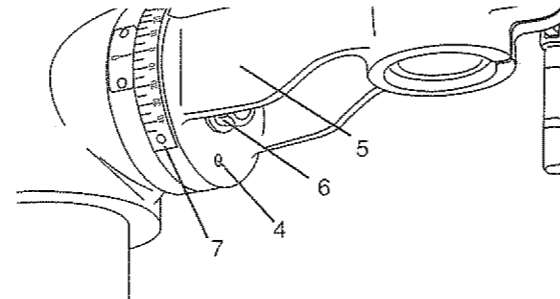
- If an adjustment is necessary, loosen the locking set screw (4) with the 3 mm hex key to RELEASE the table from the horizontal position.
- Loosen the large hex head bevel locking bolt (6).

⚠ WARNING

To prevent injury, be sure to hold the table & table arm assembly, so it will not swivel or tilt.

- Align the square to the rod by rotating the table until the square and rod are in line.
- Retighten the large hex bolt (6).

Fig. L



BEVEL SCALE (FIG. L and M)

NOTE: The bevel scale has been included to measure approximate bevel angles. If precision is necessary, a square or other measuring tool should be used to position the table. To use the bevel scale (7):

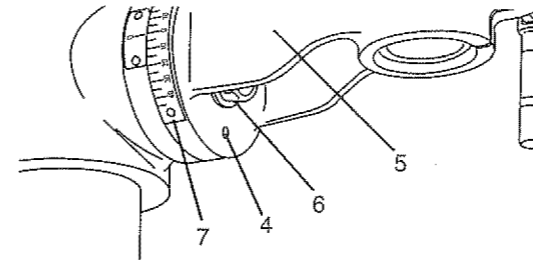
- Loosen the locking set screw (4) to RELEASE it from the table support.
- Loosen the large hex head bevel locking bolt (6).

⚠ WARNING

To prevent injury, be sure to hold the table & table arm assembly, so it will not swivel or tilt.

- Tilt the table, aligning the desired angle measurement to the zero line opposite the scale (7).
- Tighten the bevel locking bolt (6).
- To return the table to its original position, loosen the bevel locking bolt (6). Realign the bevel scale (7) to the 0° position.
- Tighten the locking set screw (4) until it is seated in the horizontal 0° hole of the table support.

Fig. M



OPERATION

BASIC DRILL PRESS OPERATIONS

⚠ WARNING

To prevent personal injury, always disconnect plug from the power source when making any adjustments.

CHANGING THE DRILLING SPEED (FIG. N)

This drill press has a speed range from 400 to 3000 RPM.

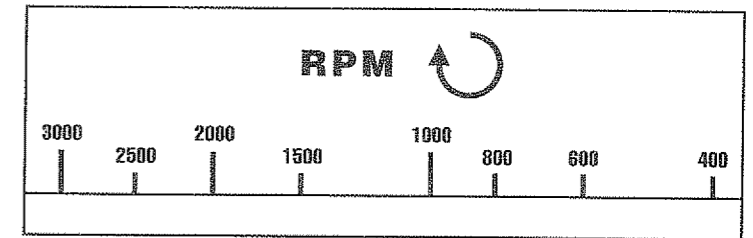
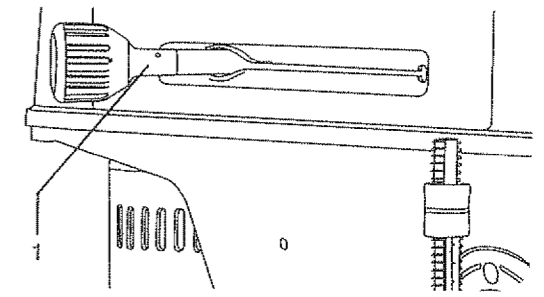
Choose the proper speed for the drilling operation and the type cutter or drill bit being used.

NOTE: Adjust the drilling speed only when the drill press is switched ON and the chuck spindle is running. Be sure to follow the steps below to make the speed adjustment.

- With the tool running unlock the speed control knob (1) on the left of the drill press head assembly by turning counterclockwise.
- Move the lever to the front to decrease the speed and to the rear to increase the speed.

- When the indicator on the control knob (1) is in line with the desired speed on the speed scale, turn the speed control knob clockwise until tight to lock.

Fig. N



DRILLING SPEED TABLE (rpm)

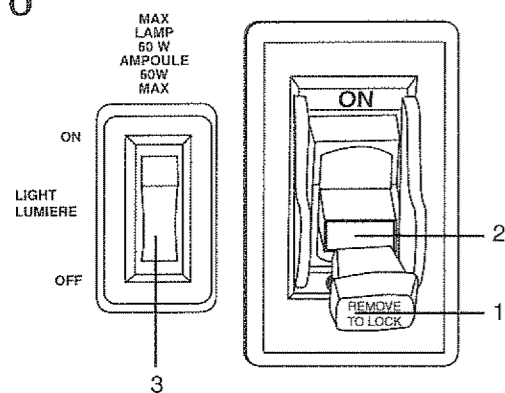
| Drill Bit Diam. (Inches) | Material | | | |
|--------------------------|----------|----------|-------|-----|
| | Wood | Aluminum | Steel | |
| 1/16 | Maximum | | 3000 | |
| 3/32 | | | 2000 | |
| 1/8 | | 3000 | 1500 | |
| 3/16 | | 2000 | 800 | |
| 7/32 | | 1500 | 600 | |
| 1/4 | | 3000 | | |
| 5/16 | | 2000 | 800 | 400 |
| 3/8 | | 1500 | 600 | |
| 1/2 | | 800 | 400 | |
| 9/16 | | 800 | | |
| 5/8 | | | | |
| 25/32 | | | | |
| 1-1/8 | 600 | | | |
| 1-1/4 | 400 | | | |

ON / OFF SWITCH PANEL (FIG. O)

The ON / OFF switch has a removable, yellow plastic key. With the key removed from the switch, unauthorized and hazardous use by children and others is minimized.

1. To turn the drill press ON, insert key (1) into the slot of the switch (2), and move the switch upward to the ON position.
2. To turn the drill press OFF, move the switch downward.
3. To lock the switch in the OFF position, grasp the end, or yellow part, of the switch toggle, and pull it out.
4. With the switch key removed, the switch will not operate.
5. If the switch key is removed while the drill press is running, it can be turned OFF but cannot be restarted without inserting the switch key.
6. To turn the worklight ON, press the rocker switch (3).
7. Never leave the drill press unattended. Turn the light switch and power switch OFF and wait until it comes to a complete stop.

Fig. O



⚠ WARNING

ALWAYS lock the switch OFF when the drill press is not in use. Remove the key and keep it in a safe place. In the event of a power failure, blown fuse, or tripped circuit breaker, turn the switch OFF and remove the key, preventing an accidental startup when the power comes on.

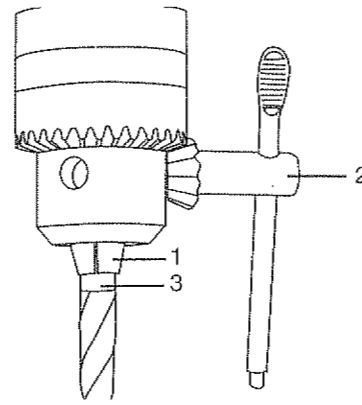
INSTALLING DRILL BIT IN CHUCK (FIG. P)

1. With the switch OFF and the yellow switch key removed, open the chuck jaws (1) using the chuck key (2). Turn the chuck key counterclockwise to open the chuck jaws (1).
2. Insert the drill bit (3) into the chuck far enough to obtain maximum gripping by the jaws, but not far enough to touch the spiral grooves (flutes) of the drill bit when the jaws are tightened.
3. Make sure that the drill is centered in the chuck.
4. Turn the chuck key clockwise to tighten the jaws.

⚠ WARNING

To avoid injury or accident by the chuck key ejecting forcibly from the chuck when the power is turned ON, use only the self-ejecting chuck key supplied with this drill press. ALWAYS recheck and remove the chuck key before turning the power ON.

Fig. P



⚠ WARNING

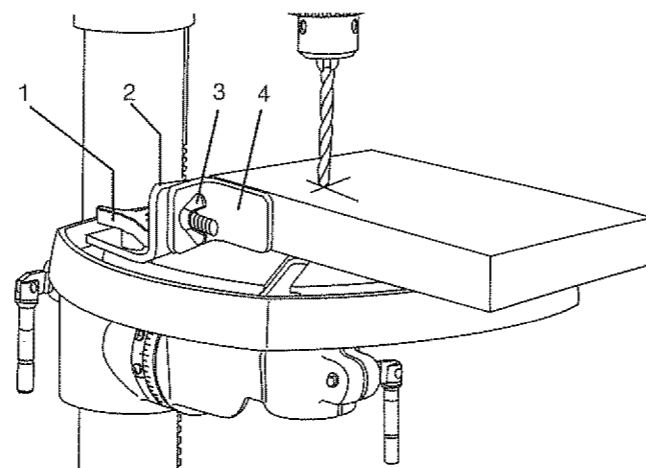
To prevent the workpiece or backup material from being torn from your hands while drilling, you MUST position the workpiece against the LEFT side of the column. If the workpiece or the backup material is not long enough to reach the column, clamp it to the table, or use the fence provided with the drill press to brace the workpiece. Failure to secure the workpiece could result in personal injury.

USING THE FENCE (FIG. Q)

The fence provides a way of accurately and quickly setting up the workpiece for more precision or for repetitive drilling operations.

1. Using the centerpunch or sharp nail, make an indentation in the workpiece where you want to drill.
2. Lower the drill bit to align with the indentation on the workpiece. See "HOLDING A DRILLING LOCATION" page 16.
3. Loosen the knobs (1) and slide the fence back stop (2) firmly against the long side of the workpiece. Tighten the knobs when in position.
4. Loosen the wing nut (3) and slide the end stop (4) along the fence until it is firmly against the left side of the workpiece. Tighten the wing nut.
5. Check the accuracy by drilling a scrap workpiece. Adjust if needed.
6. Hold with your hand or clamp the top surface of the workpiece firmly to prevent it from lifting off the table when the bit is raised.

Fig. Q



DRILLING TO A SPECIFIC DEPTH (FIG. R)

Drilling a blind hole (not all the way through workpiece) to a given depth can be done two ways:

Workpiece method

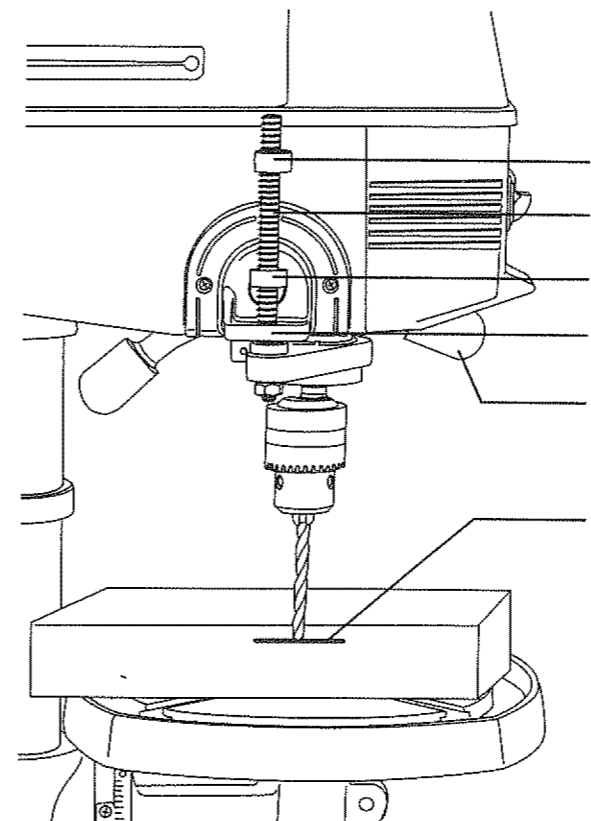
1. Mark the depth (1) of the hole on the side of the workpiece.
2. With the switch OFF, bring the drill bit down until the tip is even with the mark.
3. Hold the feed handle (2) at this position.
4. Spin the lower nut (3) down to contact the depth stop (4) on the head.
5. Spin the upper nut (5) down and tighten against the lower nut (3).
6. The drill bit will now stop after traveling the distance marked on the workpiece.

Depth scale method

NOTE: With the chuck up the tip of the drill bit must be just slightly above the top of the workpiece.

1. With the switch OFF, turn the feed handle (2) until the depth stop (4) points to the desired depth on the depth scale (6) and hold the feed handle in that position.
2. Spin the lower nut (3) down to contact the depth stop (4).
3. Spin the upper nut (5) against the lower nut (3) and tighten.
4. The drill bit will stop after traveling the distance selected on the depth scale.

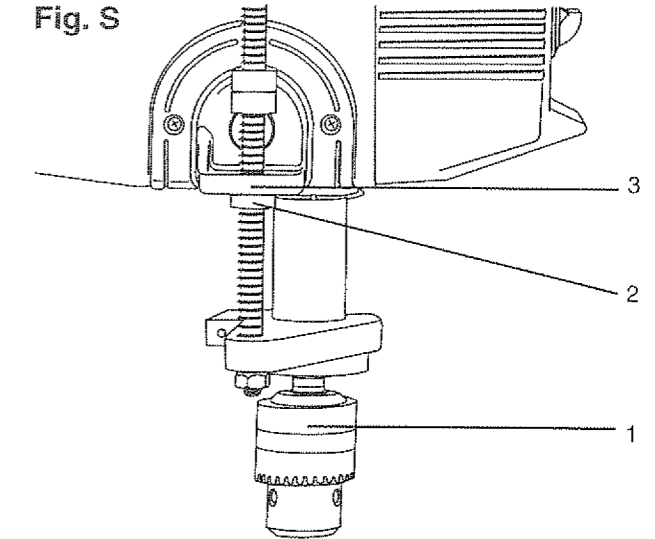
Fig. R



LOCKING THE CHUCK AT THE DESIRED DEPTH (FIG. S)

1. With the switch OFF, turn the feed handles until the chuck (1) is at the desired depth. Hold the feed handles at this position.
2. Turn the stop nut (2), located under the depth stop (3), counterclockwise and upwards until it is against the depth stop.
3. The chuck will now be held at this position when the feed handles are released.

Fig. S

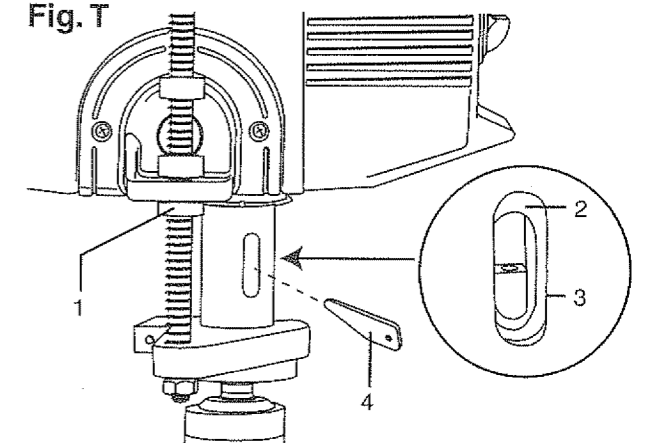


REMOVING CHUCK AND ARBOR (FIG. T)

1. With the switch OFF, adjust the depth stop nut (1) to hold the drill at a depth of three inches. (See instructions for "LOCKING CHUCK AT DESIRED DEPTH").
2. Align the key holes in the spindle (2) and quill (3) by rotating the chuck by hand.
3. Insert the key wedge (4) into the key holes (2 & 3).
4. Tap the key wedge (4) lightly with a plastic tipped hammer, until the chuck and arbor fall out of the spindle.

NOTE: Place one hand below the chuck to catch it when it falls out.

Fig. T



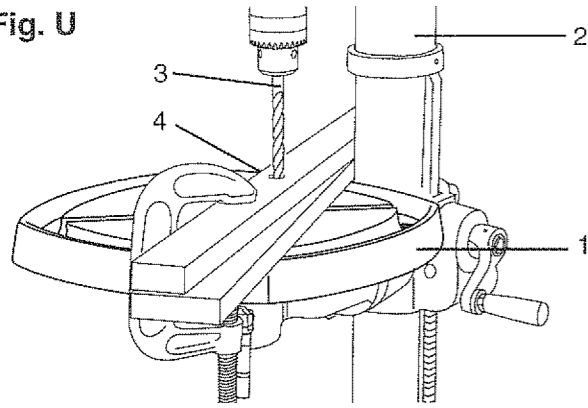
POSITIONING THE TABLE AND WORKPIECE (FIG. U, and V)

1. Lock the table (1) to the column (2) at a position so the tip of the drill bit (3) is just above the top of the workpiece (4).
2. ALWAYS place a BACK-UP MATERIAL (scrap wood) on the table beneath the workpiece. This will prevent splintering or heavy burring on the underside of the workpiece. To keep the back-up material from spinning out of control, it MUST contact the LEFT side of the column.

▲ WARNING

To prevent the workpiece or backup material from being torn from your hands while drilling, you MUST position it against the LEFT side of the column. If the workpiece or the backup material is not long enough to reach the column, use the fence provided with the drill press to brace the workpiece, or clamp it to the table. Failure to do this could result in personal injury.

Fig. U



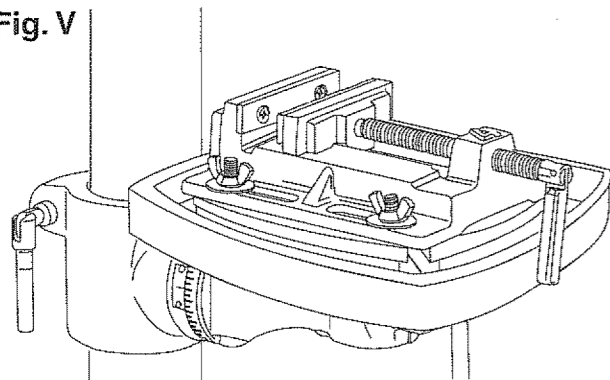
3. For small pieces that cannot be clamped to the table, use a drill press vise (optional accessory).

▲ WARNING

The drill press vise MUST be clamped or bolted to the table to avoid injury from a spinning workpiece, or damaged vise or bit parts.

4. Remove the drill press fence when it interferes with other drill press accessories.

Fig. V



HOLDING A DRILLING LOCATION

1. Using a centerpunch or sharp nail, make an indentation in the workpiece where you want the hole.
2. Using the feed handles, bring the drill down to align with the indentation before turning the drill ON.

TILTING THE TABLE (FIG. W)

NOTE: The table arm and support (1) has a predrilled hole with a locking set screw inserted for locking the table into a predetermined 0° horizontal position.

1. To use the table in a bevel (tilted) position, turn the locking set screw (2) with the hex key counterclockwise to release it from the table support.
2. Loosen the large hex head bevel locking bolt (3).

▲ WARNING

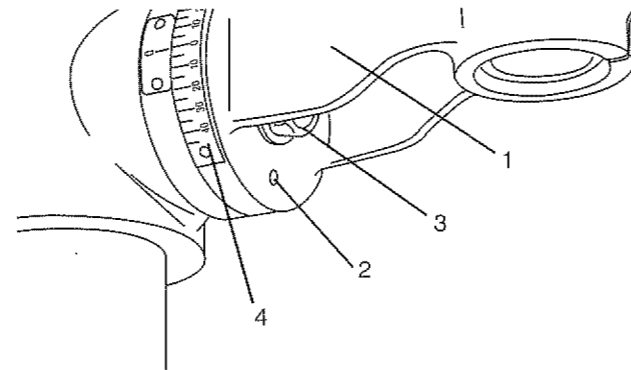
To prevent injury, be sure to hold the table & table arm assembly, so it will not swivel or tilt.

3. Tilt the table, aligning the desired angle measurement to the zero line opposite the scale (4). Tighten the bevel locking bolt.
4. To return the table to its original position, loosen the bevel locking bolt (3). Realign the bevel scale (4) to the 0° position.
5. Using the hex key, turn the locking set screw (2) clockwise to seat into the hole.

▲ WARNING

To avoid injury from spinning work or tool breakage, always clamp workpiece and backup material securely to the table before operating the drill press with the table tilted.

Fig. W



FEEDING

1. Pull down the feed handles with only enough effort to allow the drill bit to cut.
2. Feeding too slowly might cause the drill bit to burn. Feeding too rapidly might stop the motor, cause the belt or drill to slip, or tear the workpiece loose and break the drill bit.
3. When drilling metal, it may be necessary to lubricate the drill bit tip with motor oil, to prevent burning the tip.

BASIC OPERATION SAFETY

To get the best results and minimize the likelihood of personal injury, follow these instructions for operating your drill press.

▲ WARNING

For your own safety, always observe the SAFETY INSTRUCTIONS listed here and on pages 3, 4, and 5 of this Owner's Manual.

YOUR PROTECTION

▲ WARNING

To avoid being pulled into the power tool, do not wear loose clothing, gloves, neckties, or jewelry. Always tie back long hair.

1. If any part of your drill press is missing, malfunctioning, damaged or broken, stop operation immediately until that part is properly repaired or replaced.
2. Never place your fingers in a position where they could contact the drill bit or other cutting tool. The workpiece may unexpectedly shift, or your hand could slip.
3. To prevent the workpiece from being torn from your hands, thrown, spun by the tool, or shattered, always properly support your workpiece as follows:
 - a. Always position BACKUP MATERIAL (used beneath workpiece) so that it contacts the left side of the column, or use the fence provided and a clamp to brace a smaller workpiece.
 - b. Whenever possible, position the WORKPIECE to contact the left side of the column. If it is too short or the table is tilted, use the fence provided or clamp solidly to the table, using the table slots.

- c. When using a drill press vise, always fasten it to the table.
 - d. Never do any work freehand (hand-holding the workpiece rather than supporting it on the table), except when polishing.
 - e. Securely lock the head and support to the column, the table arm to the support, and the table to the table arm, before operating the drill press.
 - f. Never move the head or the table while the tool is running.
 - g. Before starting an operation, jog the motor switch to make sure the drill or other cutting tool does not wobble or cause vibration.
 - h. If a workpiece overhangs the table so it will fall or tip if not held, clamp it to the table or provide auxiliary support.
 - i. Use fixtures for unusual operations to adequately hold, guide, and position workpiece.
 - j. Use the SPINDLE SPEED recommended for the specific operation and workpiece material. Check the panel on the inside pulley cover or the chart below for drilling speed information. For accessories, refer to the instructions provided with each accessory.
4. Never climb on the drill press table, it could break or pull the entire drill press down on you.
 5. Turn the motor switch OFF, and put away the switch key when leaving the drill press.
 6. To avoid injury from thrown work or tool contact, do not perform layout, assembly, or set up work on the table while the cutting tool is rotating.

MAINTENANCE

MAINTAINING YOUR DRILL PRESS

⚠ WARNING

For your own safety, turn the switch OFF and remove the plug from the power source outlet before maintaining or lubricating your drill press.

Frequently blow out, using an air compressor or dust vacuum, any dust that accumulates inside the motor.

A coat of automotive paste wax applied to the table and column will help to keep the surfaces clean.

⚠ WARNING

To avoid shock or fire hazard, if the power cord is worn or cut in any way, have it replaced immediately.

LUBRICATION

All of the drill press ball bearings are packed with grease at the factory. They require no further lubrication.

Periodically lubricate the gear and rack, table elevation mechanism of the spindle and the rack (teeth) of the quill.

CHANGING THE BELT (FIG. X)

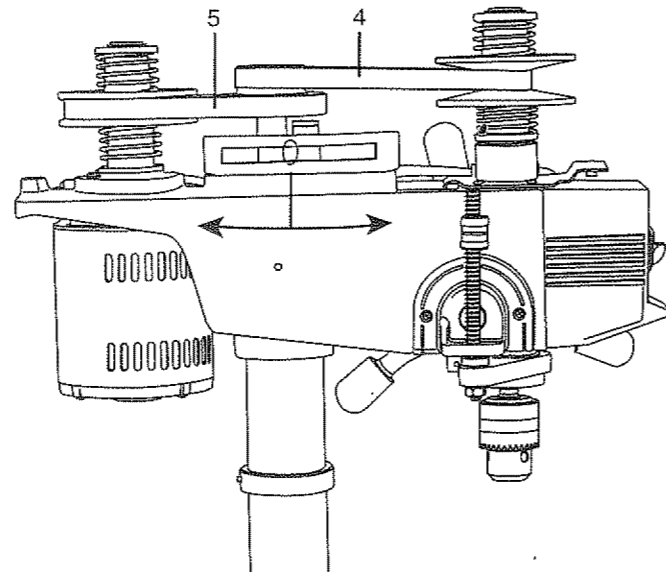
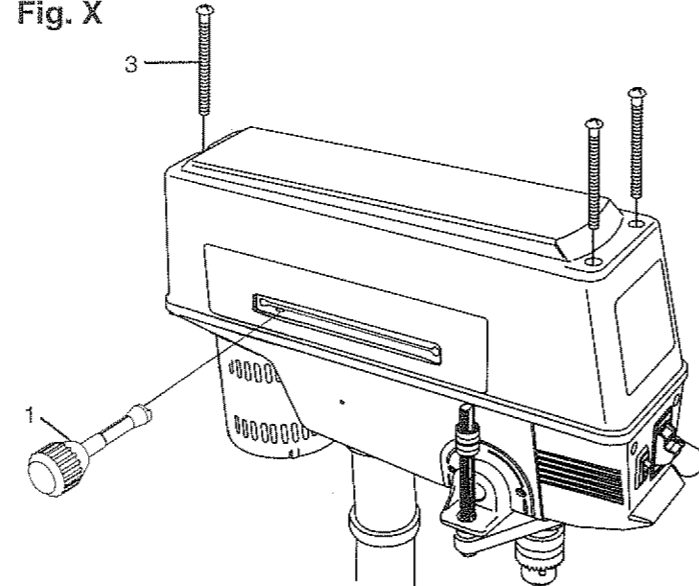
1. Loosen and remove the speed control knob (1).
2. Loosen the pulley cover screws (3) with Phillips screwdriver. Remove the pulley cover.
3. Install the speed control knob.
4. **To change the upper belt (4):**
 - a. Turn the drill press ON. While the drill press is running, move the lever to the right side.
 - b. Turn the drill press OFF, remove the plug from the power outlet and wait for the drill press pulleys to come to a complete stop before changing the belt.
5. **To change the lower belt (5):**
 - a. Turn the drill press ON. While the drill press is running, move the lever to the left side.
 - b. Turn the drill press OFF, remove the plug from the power outlet and wait for the drill press pulleys to come to a complete stop before changing the belt.

6. Remove the speed control knob and collar.
7. Replace the pulley cover on the head assembly and tighten the pulley cover screws.
8. Install the speed control knob and collar.

⚠ WARNING

To avoid injury, be sure to remove the plug from the power source outlet and wait for the pulleys to come to a complete stop before changing the belts.

Fig. X



TROUBLESHOOTING

TROUBLESHOOTING GUIDE

⚠ WARNING

To avoid injury from an accidental start, turn the switch OFF and always remove the plug from the power source before making any adjustments.

- Consult your local Sears Service Center if for any reason the motor will not run.

| PROBLEM | PROBABLE CAUSE | REMEDY |
|---|---|--|
| Noisy operation. | 1. Dry spindle. | 1. Lubricate the spindle. See "Lubrication" in MAINTENANCE Section. |
| Insufficient torque. | 1. Speed too high. | 1. Reduce the speed. |
| Speed tolerance exceeds 10%. | 1. Worn belts. | 1. Change belts. |
| Drill bit burns. | 1. Incorrect speed. 2. Chips not coming out of hole. 3. Dull drill bit. 4. Feeding too slowly. 5. Not lubricated. | 1. Change the speed. See "Changing the Drilling Speed" in OPERATION Section. 2. Retract drill frequently to clear chips. 3. Resharpener drill bit. 4. Feed fast enough - allow drill to cut. 5. Lubricate drill. See "Feeding" in OPERATION Section. |
| Run out of drill bit point - drilled hole not round. | 1. Hard grain in wood or lengths of cutting flutes and/or angles not equal. 2. Bent drill bit. | 1. Resharpener drill bit correctly. 2. Replace drill bit. |
| Wood splinters on underside. | 1. No backup material under the workpiece. | 1. Use backup material. See "Positioning the Table and Workpiece" in OPERATION Section. |
| Workpiece torn loose from hand. | 1. Not supported or clamped properly. | 1. Support workpiece or clamp it. See "Using the Fence" and "Positioning the Table and Workpiece" in OPERATION Section. |
| Drill bit binds in workpiece. | 1. Workpiece pinching drill bit, or excessive feed pressure. | 1. Support workpiece or clamp it. See "Using the Fence" and "Positioning the Table and Workpiece" in OPERATION Section. |
| Excessive drill bit runout or wobble. | 1. Bent drill bit. 2. Worn bearings. 3. Drill bit not properly installed in chuck. 4. Chuck not properly installed. | 1. Use a straight drill bit. 2. Replace bearings. 3. Install drill properly. See "Installing Drill Bit in Chuck" in OPERATION Section. 4. Install chuck properly. See "Installing the Chuck" in ASSEMBLY Section. |
| Chuck will not stay attached to spindle. It falls off when trying to install. | 1. Dirt, grease, or oil on the tapered inside surface of chuck or on the spindle's tapered surface. | 1. Using a household detergent, clean the tapered surface of the chuck and spindle to remove dirt, grease and oil. See "Installing the Chuck" in ASSEMBLY Section. |
| No motion when power is on. | 1. Plug is disconnected. 2. Faulty switch. 3. Belts are not positioned well after replacement. 4. Burned motor. | 1. Plug in. 2. Change switch. 3. Re-position the belts. 4. Change motor. |

PARTS

13" VARIABLE SPEED DRILL PRESS PARTS LIST

MODEL NO. 137.229130

⚠ WARNING

When servicing use only CRAFTSMAN replacement parts. Use of any other parts may create a HAZARD or cause product damage. Any attempt to repair or replace electrical parts on this Drill Press may create a HAZARD unless repair is done by a qualified service technician. Repair service is available at your nearest Sears Service Center.

Always order by PART NUMBER, not by key number

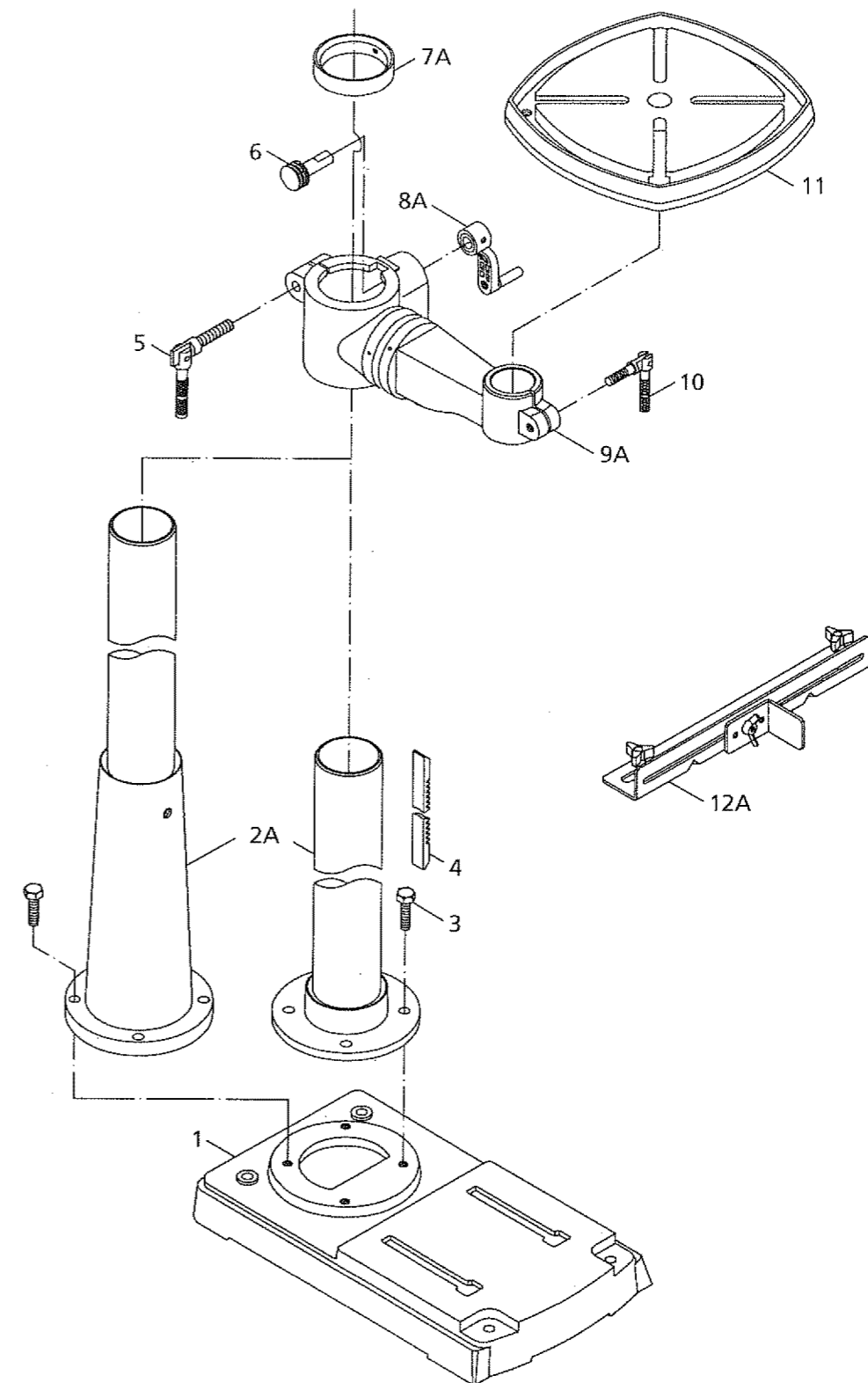
PARTS LIST FOR SCHEMATIC A

| Key | Part No. | Description | Size | Qty |
|-----|------------|------------------------|------------|-----|
| 1 | 10400126 | Base | | 1 |
| 2A | 10400401A | Column assembly | | 1 |
| 3 | 2601BBDA72 | Hex head bolt | M10X1.5-40 | 4 |
| 4 | 10602204 | Rack | | 1 |
| 5 | 10601901 | Column lock handle | | 1 |
| 6 | 10600902 | Worm | | 1 |
| 7A | 10602304A1 | Rack ring assembly | | 1 |
| 8A | 10601009A1 | Crank handle assembly | | 1 |
| 9A | 10401202A1 | Table bracket assembly | | 1 |
| 10 | 10602001 | Table lock handle | | 1 |
| 11 | 10602138 | Table | | 1 |
| 12A | 10899201 | Fence assembly | | 1 |

13" VARIABLE SPEED DRILL PRESS

MODEL NO. 137.229130

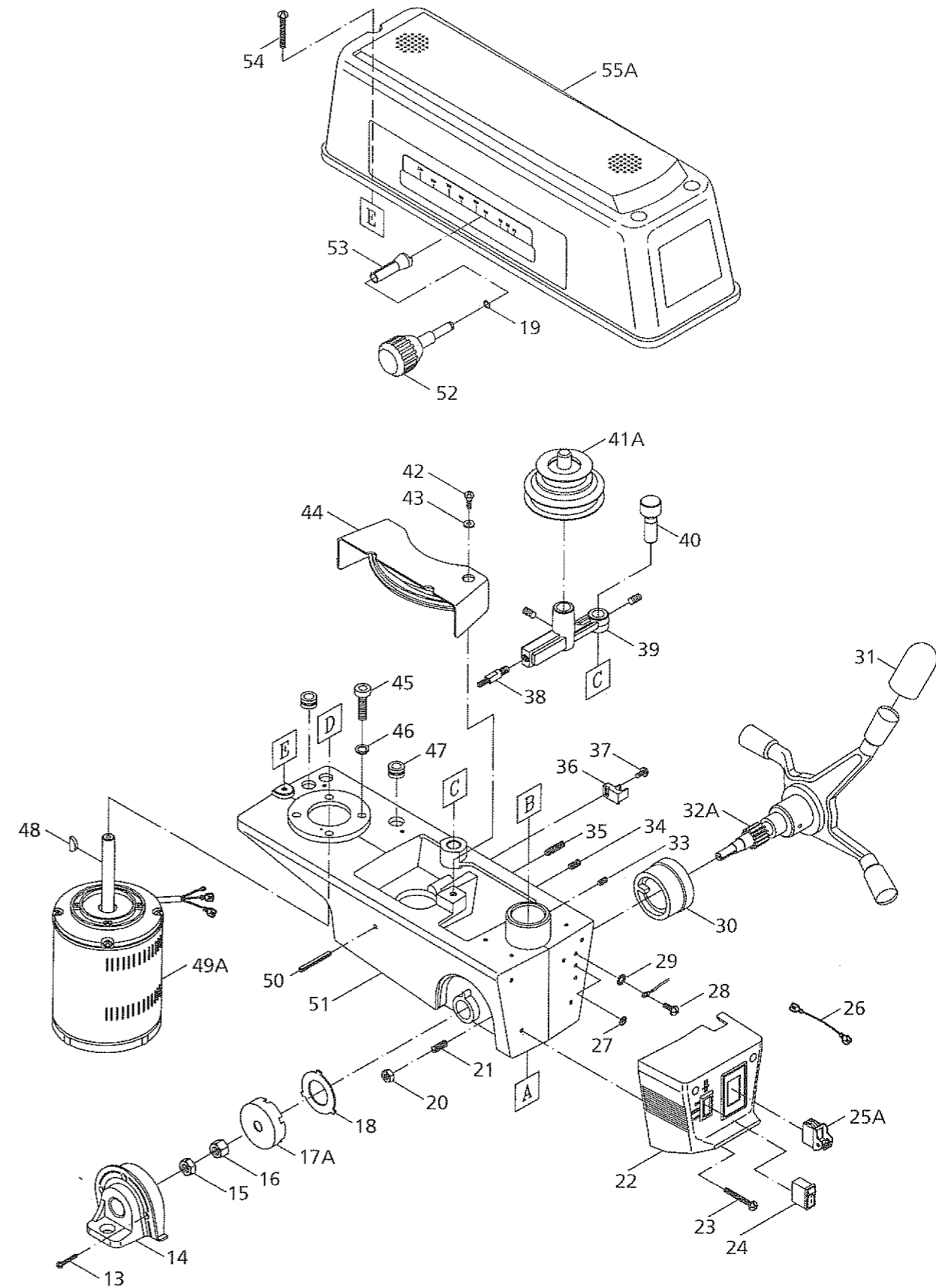
SCHEMATIC A



PARTS LIST FOR SCHEMATIC B

| Key | Part No. | Description | Size | Qty |
|-----|-------------|---------------------------|-----------------|-----|
| 13 | 2668BBDA29 | Pan head screw | M5X0.8-30 | 3 |
| 14 | 10461101 | Plunger housing | | 1 |
| 15 | 2701QZD612 | Hex. nut | 1/2X20UNF T=6.5 | 1 |
| 16 | 2701QZD610 | Hex. nut | 1/2X20UNF T=10 | 1 |
| 17A | 10605002A1 | Spring cap assembly | | 1 |
| 18 | 10605202 | Spring retainer | | 1 |
| 19 | 2574D55R06 | O-ring rod | P6 | 1 |
| 20 | 2701FBD107 | Hex. nut | M8X1.25 T=5 | 1 |
| 21 | 10405401 | Quill set screw | | 1 |
| 22 | 10408833 | Switch box | | 1 |
| 23 | 2668BBD894 | Pan head screw | M5X0.8-50 | 4 |
| 24 | 2852D55703 | Rocker switch (light) | | 1 |
| 25A | 2898DB7G12 | Rocker switch | | 1 |
| 26 | 28065551P1 | Lead wire assembly | | 1 |
| 27 | 10216715 | Sticker | | 1 |
| 28 | 2668BZDA23 | Pan head screw | M5X0.8-8 | 2 |
| 29 | 2504MZC005 | Tooth washer | 5 | 2 |
| 30 | 10304502 | Scale ring | | 1 |
| 31 | 14300102 | Grip | | 3 |
| 32A | 10404310A1 | Handle assembly | | 1 |
| 33 | 2603BBLA52 | Hex. socket set screw | M8X1.25-8 | 1 |
| 34 | 2603BBLA52 | Hex. socket set screw | M8X1.25-8 | 1 |
| 35 | 2603BBLA56 | Hex. socket set screw | M8X1.25-25 | 1 |
| 36 | 10611201 | Chuck key holder | | 1 |
| 37 | 2641BBDA40 | Round washer head screw | M6X1.0-16 | 1 |
| 38 | 10419501 | Screw bar | | 1 |
| 39 | 10409801 | Speed bar seat | | 1 |
| 40 | 10419701 | Shaft | | 1 |
| 41A | 10409515A1 | Center pulley assembly | | 1 |
| 42 | 2677BBDA45 | Pan head round neck screw | M6X1.0-18 | 1 |
| 43 | 2501MWGN44 | Flat washer | | 1 |
| 44 | 10419301A1 | Holder spec. | | 1 |
| 45 | 2601BBDA44 | Hex. head bolt | M6X1.0-35 | 4 |
| 46 | 2502ABC417 | Spring washer | 6 | 4 |
| 47 | 2801ABRF02 | Strain relief | | 1 |
| 48 | 2571NINC501 | Woodruff key | | 1 |
| 49A | 8206226504 | Motor | | 1 |
| 50 | 2536MBE617 | Spring pin | | 2 |
| 51 | 10402555 | Head | | 1 |
| 52 | 10419001 | Clamp handle | | 1 |
| 53 | 10418901 | Collar | | 1 |
| 54 | 2668BBDA45 | Pan head screw | M6X1.0-40 | 3 |
| 55A | 10409012A1 | Pulley cover | | 1 |

SCHEMATIC B



13" VARIABLE SPEED DRILL PRESS PARTS LIST

MODEL NO. 137.229130

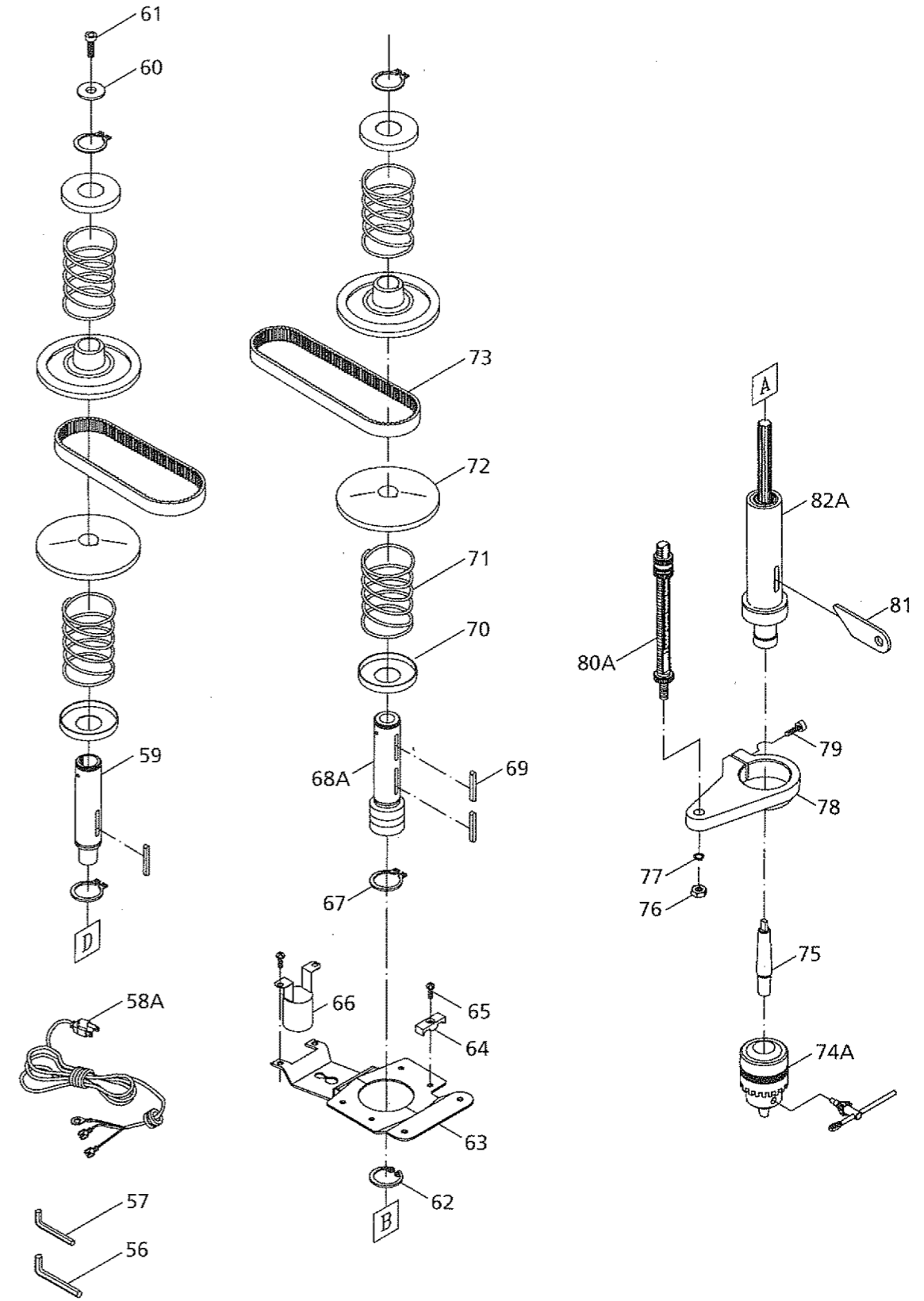
PARTS LIST FOR SCHEMATIC C

| Key | Part No. | Description | Size | Qty |
|-----|--------------|---------------------------|--------------|-----|
| 56 | 2138MBL703 | Hex. wrench | 3-57 | 1 |
| 57 | 2138MBL704 | Hex. wrench | 4-64 | 1 |
| 58A | 2807BB08HJA1 | Power cable assembly | | 1 |
| 59 | 10463501 | Shaft sleeve | | 1 |
| 60 | 2501NBDN16 | Flat washer | 1/4X3/4-1/16 | 1 |
| 61 | 2602BBLW39 | Hex. socket head cap bolt | M6X1.0-12 | 1 |
| 62 | 2570ABN142 | C-ring | B-42 | 1 |
| 63 | 10402709 | Bulb socket bracket | | 1 |
| 64 | 87404241 | Cord clamp | | 4 |
| 65 | 2668BBDA25 | Pan head screw | M5X20.8-16 | 8 |
| 66 | 10450301A1 | Lamp socket assembly | | 1 |
| 67 | 2570BBN130 | C-ring | A-30 | 4 |
| 68A | 10406501A1 | Driving sleeve assembly | | 1 |
| 69 | 2571MNC318 | Key | | 3 |
| 70 | 10463601 | Spring cap | | 4 |
| 71 | 10463701 | Spring | | 4 |
| 72 | 10407029 | Pulley | | 4 |
| 73 | 2572ARW570 | Variable speed belts | | 4 |
| 74A | 2137103104 | Chuck & key | | 1 |
| 75 | 21015M2J30 | Drilling arbor | | 1 |
| 76 | 2701FZD109 | Hex. Nut | M10X1.5 T=8 | 1 |
| 77 | 2502ABC410 | Spring washer | 10 | 1 |
| 78 | 10461702 | Set ring | | 1 |
| 79 | 2602BBLA29 | Hex. socket head cap bolt | M5X0.8-30 | 1 |
| 80A | 10661301A1 | Set bolt assembly | | 1 |
| 81 | 10607303 | Wedge shifter | | 1 |
| 82A | 10405606A2 | Quill assembly | | 1 |

13" VARIABLE SPEED DRILL PRESS

MODEL NO. 137.229130

SCHEMATIC C



13" VARIABLE SPEED DRILL PRESS PARTS LIST

MODEL NO. 137.229130

PARTS LIST FOR SCHEMATIC D (MOTOR)

| Key | Part No. | Description | Size | Qty |
|-----|----------------------|--------------------------|-----------------|-----|
| 1 | 2668BBDBB3 | Pan head screw | M4X0.7-165 | 4 |
| 2 | 2504MBC004 | Tooth washer | 4 | 4 |
| 3 | 82042031 | Front end bell | | 1 |
| 4 | 2504MZC005 | Tooth washer | 5 | 1 |
| 5 | 2668QZDK24 | Pan head screw | 10#X24UNC-1/4" | 1 |
| 6 | 2001ZZ6203 | Ball bearings | | 1 |
| 7 | 2990555B02 | Contact plate | | 1 |
| 8 | 2504MBC005 | Tooth washer | 5 | 2 |
| 9 | 2668QBBDK25 | Pan head screw | 10#X24UNC-3/8" | 2 |
| 10 | 299155BA02 | Centrifugal starter | | 1 |
| 11 | 2801DBHA01 | Strain relief bushing | | 1 |
| 12 | 82062121 | Motor housing | | 1 |
| 13 | 13722913001 82062131 | Motor label | | 1 |
| 14A | 82062141A1 | Stator assembly | | 1 |
| 15A | 82042151A1 | Rotor assembly | | 1 |
| 16 | 82041051 | Fan | | 1 |
| 17 | 2001ZZ6202 | Ball bearings | 6202ZZ | 1 |
| 18 | 2506MBN662 | Wave washer | BWW6202 | 1 |
| 19 | 82061031 | Rear end bell | | 1 |
| 20 | 2504MBC004 | Tooth washer | 4 | 4 |
| 21 | 2701FBD104 | Hex nut | M4X0.7-3.2 | 4 |
| 22 | 2668QZDK19 | Pan head screw | 5/32X32UNC-1/4" | 2 |
| 23 | 2801ABRF05 | Rubber bushing | 10 | 1 |
| 24 | 82061291 | Capacitor terminal cover | | 1 |
| 25 | 28065558P7 | Lead wire assembly | | 1 |
| 26 | 2668BZDA01 | Pan head screw | M3X0.5-6 | 2 |
| 27 | 82061301 | Capacitor cover | | 1 |
| 28 | 2504NBC005 | Tooth washer | | 2 |
| 29 | 2668QBBDK22 | Pan head screw | 10#X24UNC-1/4" | 2 |
| * | 13722913002 | Speed chart | | 1 |
| * | 13722913003 | Specification label | | 1 |
| * | 13722913004 | Warning label | | 1 |
| * | 137229130002 | Instruction manual | | 1 |

* Not shown

13" VARIABLE SPEED DRILL PRESS

MODEL NO. 137.229130

SCHEMATIC D (MOTOR)

