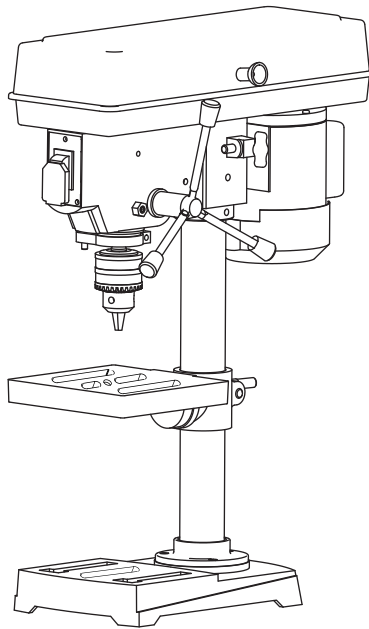




DP8

8-INCH DRILL PRESS



US
226002

IMPORTANT:

For your own safety, read and follow all of the Safety Guidelines and Operating Instructions before operating this product.

**INSTRUCTION
MANUAL**

TABLE OF CONTENTS

TABLE OF CONTENTS 2
 SPECIFICATIONS 2
 SAFETY GUIDELINES 8
 ELECTRICAL SAFETY 9
 PACKAGE CONTENTS 10
 KEY PARTS DIAGRAM..... 11
 ASSEMBLY INSTRUCTIONS..... 12
 OPERATION 13
 MAINTENANCE 15
 TROUBLESHOOTING GUIDE 16
 EXPLODED VIEW 18
 PARTS LIST 19
 WARRANTY 20

SPECIFICATIONS

Model	DP8
Motor	120V, 60Hz
Power	250W
Speed	620~3100RPM
Chuck size	1/2 in.
Taper	JT33
Swing	8 in.
Spindle travel	2 in.
Drilling capacity	1/2 in.
Net weight	33 lb.

SAFETY GUIDELINES - DEFINITIONS

WARNING ICONS

Your power tool and its Instruction Manual may contain “WARNING ICONS”(a picture) symbol intended to alert you to and/or instruct you how to avoid a potentially hazardous condition). Understanding and heeding these symbols will help you operate your tool better and safer. Shown below are some of the symbols you may see.



SAFETY ALERT: Precautions that involve your safety.



PROHIBITION



WEAR EYE PROTECTION: Always wear safety goggles or safety glasses with side shields.



WEAR RESPIRATORY AND HEARING PROTECTION: Always wear respiratory and hearing protection.



READ AND UNDERSTAND INSTRUCTION MANUAL: To reduce the risk of injury, user and all bystanders must read and understand instruction manual before using this product.



KEEP HANDS AWAY FROM THE MOVING PART AND CUTTING SURFACE: Failure to keep your hands away from the moving part and cutting surface will result in serious personal injury.



SUPPORT AND CLAMP WORK



DANGER

DANGER: Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.



WARNING

WARNING: Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

NOTICE

NOTICE: Used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.



WARNING

Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks and cement and other masonry products.
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work

with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles. Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities. Wear protective clothing and wash exposed areas with soap and water. Allowing dust to get into your mouth, eyes, or lay on the skin may promote absorption of harmful chemicals.

⚠ WARNING




To avoid electrical hazards, fire hazards or damage to the tool, use proper circuit protection. This tool is wired at the factory for 110-120 Volt operation. It must be connected to a 110-120 Volt /15 Ampere 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.

Before using your tool, it is critical that you read and understand these safety rules. Failure to follow these rules could result in serious injury to you or damage to the tool.

GENERAL SAFETY INSTRUCTIONS BEFORE USING THIS POWER TOOL

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

WARNING

- To avoid mistakes that could cause serious injury, do not plug the tool in until you have read and understood the following.
 - Read all instructions before operating product. Failure to follow all instructions listed below may result in electric shock, fire and /or serious injury.
1.  **READ** and become familiar with the entire Instruction Manual. **LEARN** the tool's application, limitations and and possible hazards.
 2. **KEEP GUARDS IN PLACE** and in working order.
 3. **KEEP WORK AREA CLEAN**. Cluttered areas and benches invite accidents.
 4. **DO NOT USE IN DANGEROUS ENVIRONMENTS**. Do not use power tools in damp locations, or expose them to rain or snow. Keep work area well lit.
 5. **KEEP CHILDREN AWAY**. All visitors and bystanders should be kept a safe distance from work area.
 6. **DO NOT FORCE THE TOOL**. It will do the job better and safer at the rate for which it was designed.
 7. **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.
 8.  **ALWAYS WEAR EYE PROTECTION**. Any power tool can throw foreign objects into the eyes and could cause permanent eye damage.
 9.  **WEAR A FACE MASK OR DUST MASK**. Sanding operation produces dust.
 10. **DISCONNECT TOOLS FROM POWER SOURCE** before servicing, and when changing accessories such as blades, bits and cutters.
 11. **USE PROPER EXTENSION CORDS**. 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 on page 8 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.
 12. **USE RECOMMENDED ACCESSORIES**. Consult this Instruction Manual for recommended accessories. The use of improper accessories may cause risk of injury to yourself or others.
 13. **NEVER STAND ON THE TOOL**. Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.
 14. **MAINTAIN TOOLS WITH CARE**. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
 15. **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.

16. **NEVER LEAVE THE TOOL RUNNING UNATTENDED. TURN THE POWER “OFF”.** Do not walk away from a running tool until the blade comes to a complete stop and the tool is unplugged from the power source.
17. **DO NOT OVERREACH.** Keep proper footing and balance at all times.
18. **⚠ WARNING**
Dust generated from certain materials can be hazardous to your health. Always operate saw in well-ventilated area and provide for proper dust removal.
19. **⚠ DANGER**
People with electronic devices, such as pacemakers, should consult their physician(s) before using this product. Operation of electrical equipment in close proximity to a heart pacemaker could cause interference or failure of the pacemaker.
20. **👂 WEAR HEARING PROTECTION** to reduce the risk of induced hearing loss.

DRILL PRESS SAFETY

⚠ 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:

1. **⚠ 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.
2. **THIS DRILL PRESS** is intended for use in dry conditions, indoor use only.
3. **WEAR EYE PROTECTION. USE** a face or dust mask along with safety goggles if drilling operation is dusty. USE ear protectors, especially during extended periods of operation.
4. **DO NOT** wear gloves, neckties, or loose clothing.
5. **DO NOT** try to drill material too small to be securely held.
6. **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.
7. **DO NOT** install or use any drill bit that exceeds 175 mm (7 in.) in length or extends 150 mm (6 in.) below the chuck jaws. They can suddenly bend outward or break.
8. **🚫 DO NOT USE** wire wheels, router bits, shaper cutters, circle (fly) cutters, or rotary planers on this drill press.
9. **WHEN** cutting a large piece of material, make sure it is fully supported at the table height.
10. **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.
11. **MAKE SURE** there are no nails or foreign objects in the part of the workpiece to be drilled.
12. **CLAMP THE WORKPIECE OR BRACE IT** against the left side of the column to prevent rotation. If it is too short or the table is tilted, clamp it solidly to the table and use the fence provided.
13. **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.
14. **SECURE THE 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.
15. **WHEN** using a drill press vise, always fasten to the table.
 16. **MAKE SURE** all clamps and locks are firmly tightened before drilling.
 17. **SECURELY LOCK THE HEAD** and table support to the column, and the table to the table support before operating the drill press.
 18. **NEVER** turn your drill press on before clearing the table of all objects (tools, scraps of wood, etc.)
 19. **BEFORE STARTING** the operation, jog the motor switch to make sure the drill bit does not wobble or vibrate.
 20. **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. If do not restart the unit until the problem is corrected.
 21. **DO NOT** perform layout assembly or set up work on the table while the drill press is in operation.
 22. **USE THE RECOMMENDED SPEED** for any drill press accessory and for different workpiece material. **READ THE INSTRUCTIONS** that come with the accessory.
 23. **WHEN DRILLING** large diameter holes, clamp the workpiece firmly to the table. Otherwise, the bit may grab and spin the workpiece at high speeds.
DO NOT USE fly cutters or multiple-part hole cutters, as they can come apart or become unbalanced in use.
 24. **MAKE SURE** the spindle has come to a complete stop before touching the workpiece.
 25. **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.
 26. **KEEP GUARDS IN PLACE** and in working order.
 27. **USE ONLY THE SELF-EJECTING TYPE**
- CHUCK KEY** as provided with the drill press.
28. **⚠ WARNING**
TO AVOID BEING PULLED INTO THE SPINNING TOOL - Tie back long hair and roll long sleeves above elbows.
 29. Drum sanders must never be operated on this drill press at a speed greater than the speed rating of the drum sander.
 30. **⚠ WARNING**
Feed workpiece into a sanding drum or other approved accessory, against the direction of rotation.
 31. **⚠ WARNING**
A kickback occurs when workpiece suddenly binds on the cutting edge of the tool and the workpiece is thrown by the cutter in the direction of the cutter's rotation. This can cause serious injury.
 32. **⚠ WARNING**
Do not allow familiarity (gained from frequent use of your drill press) to become commonplace. Always remember that a careless fraction of a second is sufficient to inflict severe injury.

LASER SAFETY

This tool is equipped with a patented precision cross-pattern laser alignment and centering guide.

1. Do not stare directly at the laser beam.

⚠ DANGER

Eye damage may occur if you deliberately stare into the beam.

2. The laser light beam

used in this system is Class II with maximum 1 mW and 660 nm wavelengths. **AVOID DIRECT EYE EXPOSURE.**

3. The laser must be used and maintained in accordance with the manufacturer's instructions:

- Never aim the beam at any person or an object other than the workpiece.
- Do not project the laser beam into the eyes of others.
- Always ensure the laser beam is aimed at a workpiece without reflective surfaces as the laser beam could be reflected into your eyes or the eyes of others.

GROUNDING INSTRUCTIONS IN THE EVENT OF A MALFUNCTION OR BREAKDOWN, grounding provides a path of least resistance for electric current and reduces the risk of shock. This tool is equipped with an electric cord that has an equipment grounding conductor and 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 electrical cord or plug is necessary, do not connect the equipment grounding conductor to a live terminal.

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

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 120V single phase operation and is equipped with a 3-conductor cord and a 3-prong grounding plug 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.

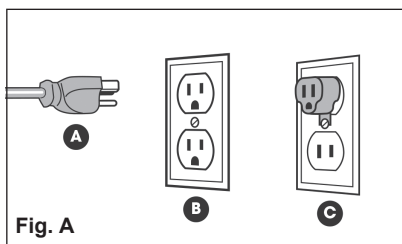


Fig. A

Note : The use of an adaptor plug is illegal in some areas, including Canada. 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.

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.

Amp Rating (amp)	Total Extension Cord Length							
	Feet		Meters		Feet		Meters	
	25	8	50	15	100	30	125	40
3-10	18 ga.		16 ga.		14 ga.		14 ga.	
10.1 - 12	16 ga.		16 ga.		14 ga.		14 ga.	
12.1 - 16	14 ga.		12 ga.		Not Recommended			
Use only UL or CSA approved extension cords								

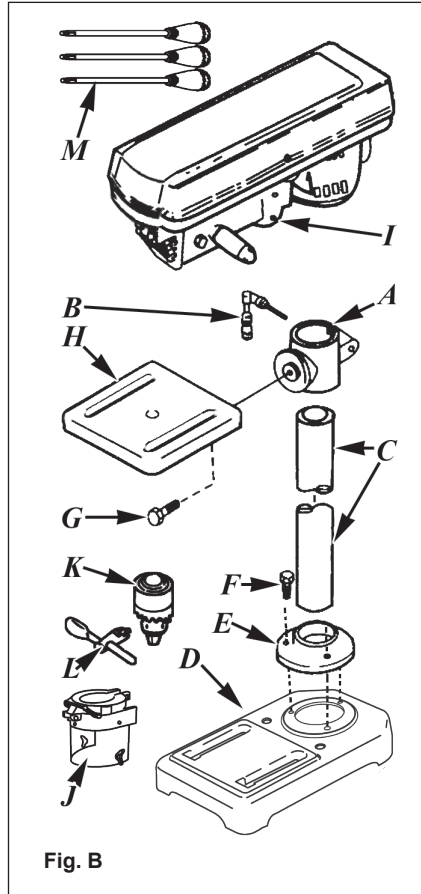
▲ WARNING

Do not allow familiarity with your tool to make you careless. Remember that a careless fraction of a second is sufficient to inflict severe injury.

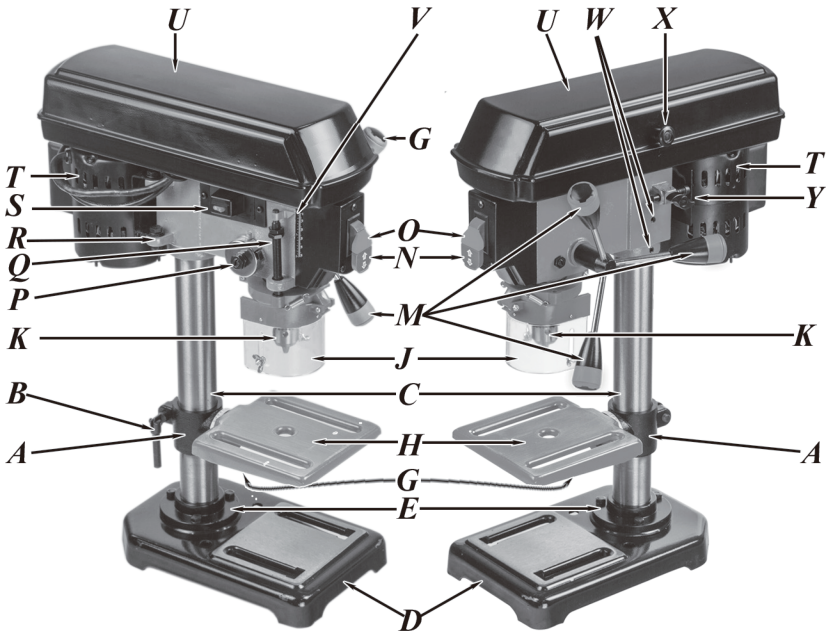
▲ IMPORTANT

The warnings, cautions and instructions detailed in this manual cannot cover all possible conditions and situations that occur. It must be understood by the operator that common sense and caution are factors that cannot be built into this product, but must be supplied by the operator.

No.	Description	Qty.
A	Table support bracket	1
B	Support lock handle	1
C	Column	1
D	Base	1
E	Column support collar	1
F	M8 x 20 hex head screw	3
G	Table bevel lock screw	1
H	Table	1
I	Head assembly	1
J	Chuck guard	1
K	1/2" Chuck	1
L	Chuck key	1
M	Feed handles	3



A	Table support bracket	O	Switch lock-out key
B	Support lock handle	P	Quill return spring
C	Column	Q	Depth stop rod & nuts
D	Base	R	Motor pivot
E	Column support collar	S	Laser switch
G	Table bevel lock screw	T	Motor
H	Table	U	Belt & pulley cover
J	Chuck safety guard	V	Depth scale and indicator
K	1/2" chuck	W	Head lock set-screws
M	Feed handle	X	Cover handle
N	On /Off switch	Y	Belt tension lock



⚠ WARNING

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

The drill press is a heavy power tool and should be lifted with the help of two **PEOPLE OR MORE** to safely assemble it.

1. Install 3 pcs. M8 x20 bolts (F, fig 2), threading them into the base (D, fig 2 & 3) through the column support collar (E, fig 2 & 3) and tighten them with a wrench.
2. Slide the table support bracket (A, fig 2 & 3) onto the column.
3. Install the support lock handle (B, fig 2 & 3) from the left side into the table support, align the table with the base and and tighten the support lock handle by hand.
4. Lift the head assembly (I, fig.1) above and slide it onto the top of the column.

Note :

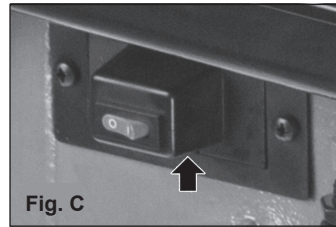
The head assembly is heavy and you may require assistance from a second person.

5. Align the head assembly with the table and base.
6. Using a 4 mm hex (Allen) key, fasten the head assembly in place by tightening the head lock set screws (W, fig3) in the right side of the head casting.
7. Screw the three feed handles (M, fig 2 & 3) into the the threaded holes in the hub. Instead of using the knobs for leverage and possibly stripping them, use a wrench on the flats at the threaded ends of the handles to tighten.
8. Clean out the tapered hole in the chuck (K, fig 2&3), removing any grease, anti-rust coating or dirt you find.
9. Clean grease, coating and dirt from the tapered spindle tip with a clean cloth.
10. Open the chuck's jaws as far as they will go so they are fully retracted into the chuck.
11. Push the chuck up on the spindle as far as possible. Lightly tap the lower end of the chuck with a piece of wood to ensure the chuck fits tightly on the spindle.
12. Install an M5 x12 pan head screw from the

inside of the pulley cover through the hole and attach the knob (X, fig 3) to the outside.

LASER BATTERIES

1. Locate the laser switch (S, fig 3) on the left side of the head assembly.
2. Press the tab located below the laser switch (fig .C) and raise the cover.
3. Insert 2 "AA" batteries, oriented in the directions indicated.
4. Close the switch cover.

**⚠ CAUTION**

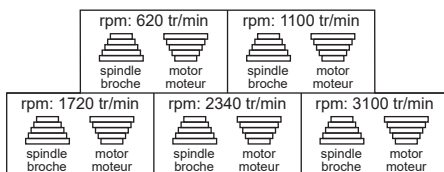
Remove the laser light batteries when the tool is to be stored without use for a few days or more. If left in position, the batteries might leak and damage the laser light assembly. Damage due to leaking batteries is not covered under the warranty.

⚠ WARNING

Before using this machine, the operator should carefully read over this operation manual and acquaint himself with the construction, controls and drive system of the drill press.

Set The Speed

1. Open the belt & pulley cover (U, fig 2 & 3) and choose the best speed for the drilling operation planned and install the belt in the correct position on the pulleys to produce that speed.

**⚠ WARNING**

Be sure the drill press is turned off and unplugged when the belt & pulley cover is open and you have your hands in that area.

2. To move the belt, loosen the belt tension lock knob (Y, fig 3) on the right side of the head assembly, and let the motor pivot forward so that it reduces the distance between the drive (motor) pulley and the spindle pulley.

3. Place the belt on the two pulleys according to the needed spindle speed.

4. Re-tension the belt when it is set in position by pivoting the motor away from the spindle (front) end of the drill press head and re-tighten the belt tension lock knob.

5. Close the cover.

Drill Bit

6. Insert the drill bit into the chuck (K, fig 3) far enough to obtain maximum grip from the chuck jaws. Make sure the drill bit is centered in the chuck.

7. Insert the chuck key (L, fig 2) and turn it clockwise to tighten (and counter-clockwise to loosen) the drill bit. Tighten the chuck sufficiently to prevent the bit slipping in the jaws during drilling. As a test, turn the drill press on and immediately off to check if the drill bit wobbles.

Table Adjustment

8. To position the table (H, fig 2) vertically, loosen the support lock handle (B, fig 2) and raise or lower the table to the desired position. Re-tighten the support lock handle.

9. Line up the drill bit with the table center hole when through-boring to avoid damage to the table.

10. To tilt the table, loosen the table bevel lock screw (G, fig 2) under the table, tilt the table to the desired angle (you can use the bevel scale on the support as a rough gauge) and re-tighten the table bevel lock screw.

Note :

It is a good idea to always check that the angle is correct with a protactor or a combination square.

Depth Control

11. The drilling depth may be controlled by watching the indicator and depth scale (V fig 3), on the left side of the drill press head, or it can be regulated quite precisely by setting the depth stop nuts on the depth stop rod (Q, fig 3).

12. Check that the chuck key is not in the chuck and that the drill bit is not contacting the workpiece. Check that the workpiece is properly anchored on the table. Be sure that all the safety rules at the front of this manual are followed.

Laser

13. Place a work piece on the table.

14. Turn the laser switch to the on (I) position.

15. Lower the drill bit to meet the work piece. The two laser lines should cross where the drill meets the work piece.

16. If the laser needs to be adjusted:

- Using a hex wrench, turn the laser adjustment hex screws (3) counterclockwise.
- Move the laser light housing until the two lines intersect where the drill meets the work piece.
- **DO NOT** stare directly at the laser lines.
- Re-tighten the adjustment hex screws .

Drilling

17. Turn the switch on.

18. Use the feed handles to push the drill bit slowly

into the material. Particularly in wood drilling, ease up on the pressure when nearing the point where the drill bit is about to emerge on the other side of the workpiece.

19. After drilling a hole, do not release the feed handle but restrain it lightly, allowing the spring to raise spindle sleeve gently to its original position.

20. Turn off the drill press.

21. Switch off the laser.

⚠ WARNING

After switching off, never leave the machine unattended until it has come to a complete stop.

⚠ WARNING

In case of any trouble or abnormal noise arising during this operation, stop the motor at once, unplug the machine from the power source and find out the cause. Do not resume until the problem has been solved.

⚠ WARNING

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

⚠ WARNING

To avoid electrocution or fire, any repairs to electrical systems should be done by an authorized repair center.

1. If power cord is worn, cut or damaged in any way, have it replaced immediately.
2. After use, blow out or vacuum sawdust and metal chips that may have accumulated in and on the motor, the belt and pulley housing, and the table.
3. Ball bearings are packed with grease at the factory. They require no further lubrication. The ball bearings in the spindle and the V-belt pulley assembly are greased and permanently sealed.
4. Periodically pull down and lubricate the grooves in the spindle and the rack (teeth of the quill), usually about every three months.
5. Occasionally apply a light coat of paste wax to the column and table to help keep these surfaces clean and rust-free.
6. Lubricate the table bracket and locking knobs if they become difficult to use.
7. Cut off the power supply when not in use.

Note :

SERVICE AND REPAIRS should be made by qualified repair technicians at an authorized repair center. Improperly repaired tools could cause serious shock or injury.

Note :

REPLACEMENT PARTS. When servicing, use only the manufacturer's recommended replacement identical replacement parts and accessories.

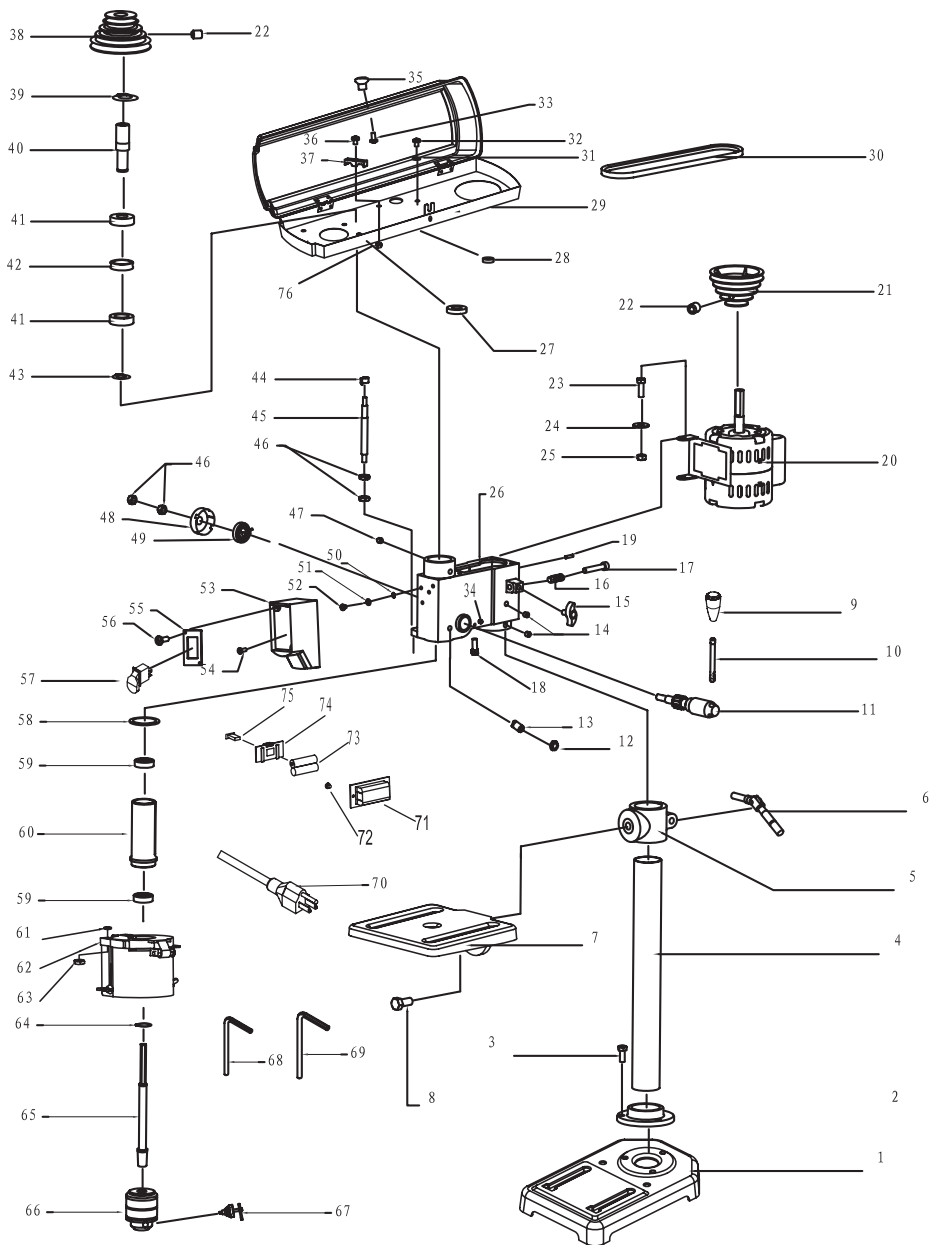
⚠ WARNING

To avoid injury from an accidental start, turn the switch OFF and unplug the tool before moving, or making adjustments.

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

PROBLEM	PROBLEM CAUSE	SUGGESTED CORRECTIVE ACTION
Noisy operation	<ol style="list-style-type: none"> 1. Incorrect belt tension. 2. Dry spindle. 3. Loose spindle pulley. 4. Loose motor pulley. 	<ol style="list-style-type: none"> 1. Adjust tension. See section "ASSEMBLY TENSIONING BELT" 2. Lubricate spindle. See Section "LUBRICATION". 3. Check tightness of retaining nut on pulley, and tighten if necessary. 4. Tighten set screw in motor pulley.
Drill bit burn.	<ol style="list-style-type: none"> 1. Incorrect speed. 2. Chips not coming out of hole. 3. Dull drill bit. 4. Feeding too slowly. 5. Not lubricated. 	<ol style="list-style-type: none"> 1. Change speed. See Section "BASIC DRILL PRESS OPERATION SPEEDS AND BELT REPLACEMENT" 2. Retract drill frequently to clear chips. 3. Resharpener drill bit or replace with new bit. 4. Feed fast enough – allow drill to cut. 5. Lubricate drill. See Section "BASIC DRILL PRESS OPERATION-FEEDING"
Run out of drill bit pointdrilled hole not round.	<ol style="list-style-type: none"> 1. Hand grain in wood or lengths of cutting edges and/ or angles not equal. 2. Bent drill bit. 	<ol style="list-style-type: none"> 1. Resharpener drill bit correctly. 2. Replace drill bit.
Wood splinters on underside.	<ol style="list-style-type: none"> 1. No backup material under workpiece. 	<ol style="list-style-type: none"> 1. Use backup material. See Section "BASIC DRILL PRESS OPERATION".
Workpiece torn loose from hand.	<ol style="list-style-type: none"> 1. Not supported or clamped properly. 	<ol style="list-style-type: none"> 1. Support workpiece or clamp it. See Section "BASIC DRILL PRESS OPERATION".
Drill bit binds in workpiece.	<ol style="list-style-type: none"> 1. Workpiece pinching drill bit, or excessive feed pressure. 2. Improper belt tension. 	<ol style="list-style-type: none"> 1. Support workpiece or clamp it. See Section "BASIC DRILL PRESS OPERATION". 2. Adjust tension. See Section "ASSEMBLY – TENSIONING BELT"

PROBLEM	PROBLEM CAUSE	SUGGESTED CORRECTIVE ACTION
Excessive drill bit runout or wobble.	<ol style="list-style-type: none"> 1. Bent drill bit. 2. Worn bearings. 3. Drill bit not properly installed in chuck. 4. Chuck not properly installed. 	<ol style="list-style-type: none"> 1. Use a straight drill bit. 2. Replace bearings. 3. Install drill properly. See Section "BASIC DRILL PRESS OPERATION" and "ASSEMBLY". 4. Install chuck properly. See Section "ASSEMBLY –INSTALLING THE CHUCK".
Quill returns too slow or too fast.	<ol style="list-style-type: none"> 1. Coil spring has improper tension. 	<ol style="list-style-type: none"> 1. Adjust spring tension. See Section "ASSEMBLY – ADJUSTMENTS –QUILL RETURN SPRING".
Chuck will not stay attached to spindle. It falls off when trying to install.	<ol style="list-style-type: none"> 1. Dirt, grease, or oil on the tapered inside surface of chuck or on the spindle's tapered surface. 	<ol style="list-style-type: none"> 1. Using a non-alcohol based cleaner, clean the tapered surface of the chuck and spindle to remove all dirt, grease and oil. See Section "ASSEMBLY – INSTALLING THE CHUCK".



POS.	DESCRIPTION	QTY.
1	Base	1
2	Column support	1
3	Screw, hex hd. M8 x 20	3
4	Column tube	1
5	Table support	1
6	Table clamp	1
7	Table	1
8	Screw hex hd. M12 x 25	1
9	Knob	3
10	Feed handle rod	3
11	Shaft pinion	1
12	Hex nut M8	1
13	Socket set screw	1
14	Hex socket set screw M8 x 8	2
15	Motor adjust knob	1
16	Motor stop spring	1
17	Motor stop	1
18	Laser localizer	2
19	Roll pin $\phi 4 \times 18$	1
20	Motor	1
21	Pulley, motor	1
22	Hex socket set screw M8 x 10	2
23	Hex screw M8 x 25	2
24	Washer 8	2
25	Lock nut M8	2
26	Head	1
27	Bushing, rubber	2
28	Washer, foam	4
29	Guard	1
30	V-belt, K26	1
31	Washer 6	4
32	Pan head screw M6 x 12	4
33	Screw, pan M5 x 10	1
34	Hex.soc screw M6 x 6	2
35	Knob	1
36	Screw, pan hd. M5 x 10	2
37	Clamp, cord	2
38	Pulley, spindle	1

POS.	DESCRIPTION	QTY.
39	Retaining ring 22	1
40	Pulley insert	1
41	Bearing, ball 6203	2
42	Spacer	1
43	Retaining ring 17	1
44	Pointer	1
45	Depth stop rod	1
46	Nut, hex M10	4
47	Screw, hex. soc. set M8 x 8	1
48	Cap, spring	1
49	Spring, tension	1
50	Star washer 5	2
51	Spring washer 5	2
52	Screw, pan hd. M5 x 6	2
53	Box, switch w/depth scale	1
54	Screw, pan hd. M5 x 14	2
55	Switch plate	1
56	Screw, pan hd. ST4.2 x 9.5	2
57	Switch	1
58	Gasket, quill	1
59	Bearing, ball 6201	2
60	Tube, quill	1
61	Washer 6	1
62	Eye shield	1
63	Hex nut M6	1
64	Retaining ring 11	1
65	Shaft, spindle	1
66	Chuck	1
67	Key, chuck	1
68	Wrench, hex "L" S3	1
69	Wrench, hex "L" S4	1
70	Cord & plug	1
71	Battery compartment	1
72	Screw, pan M4 x 10	2
73	Battery	2
74	Lid, cell box	1
75	Switch, laser	1
76	Hex nut M5	2

DP8

20



ONE-YEAR LIMITED WARRANTY

Having Problems ?

Give us a chance to help you before returning this product

Email : info@toolots.com

After the phone: (844) 866-5687

WARRANTY

