

INSTRUCTION MANUAL | MANUAL DE INSTRUCTIONES

10 in. (254 mm) Drill Press 254 mm (10 pulgadas) Perforadora de columna



CMXEDAR300



IF YOU HAVE QUESTIONS OR COMMENTS, CONTACT US. SI TIENE DUDAS O COMENTARIOS, CONTÁCTENOS.

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Definitions: Safety Alert Symbols and Words

This instruction manual uses the following safety alert symbols and words to alert you to hazardous situations and your risk of personal injury or property damage.



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

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

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

(Used without word) Indicates a safety related message.

NOTICE: Indicates a practice not related to personal injury which, if not avoided, may result in property damage.

Fig. A



COMPONENTS

- 1 Depth scale pointer
- 2 Feed handles
- 3 Bevel lock bolt
- 4 Base
- 5 Table lock handle
- 6 Rack ring
- 7 LED light
- 8 Quill return coil/spring
- 9 ON/OFF LED light switch
- 10 Depth stop nuts
- 11 Pulley cover
- 12 Belt tension lock knob
- 13 Motor

- 14 Head locking set screws
 - 15 Table crank handle
 - 16 Table bracket
 - 17 Rack
 - 17 Каск
 - 18 Mounting holes
 - 19 Column
 - 20 Table
 - 21 Chuck
 - 22 ON/OFF switch with safety key
 - 23 Chuck key holder
 - 24 Spindle pulley
 - 25 Motor pulley







WARNING: Read all safety warnings and all

instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.



WARNING: Never modify the product or any part of it. Damage or personal injury could result.



WARNING: To reduce the risk of injury, read the instruction manual.

If you have any questions or comments about this product, call CRAFTSMAN toll free at: 1-888-398-7737.

10 in. (254 mm) Drill Press CMXEDAR300

GENERAL POWER TOOL SAFETY WARNINGS



WARNING: Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

The term "power tool" in the warnings refers to your mainsoperated (corded) power tool or battery-operated (cordless) power tool.

1) Work Area Safety

- a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) Electrical Safety

- a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- b) Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
- c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- f) If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply. Use of a GFCI reduces the risk of electric shock.

3) Personal Safety

a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

- b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
- d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- f) Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.
- h) Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

4) Power Tool Use and Care

- a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- c) Disconnect the plug from the power source and/ or remove the battery, pack if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
- e) Maintain power tools and accesories. Check for misalignment or binding of moving parts,

breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

- f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- *g)* Use the power tool, accessories and tool bits, etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
- h) Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

5) Service

a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

ADDITIONAL SAFETY RULES FOR DRILL PRESS

Following good safety practices when using drill presses is a must. Make a habit of including safety in all your activities.

- WARNING: READ ALL INSTRUCTIONS BEFORE OPERATING PRODUCT. FAILURE TO FOLLOW ALL INSTRUCTIONS LISTED BELOW MAY RESULT IN ELECTRIC SHOCK, FIRE AND OR SERIOUS INJURY. Do not operate this tool until it is assembled and installed according to the instructions.
- 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.
- **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 7 in. (175 mm) in length or extends 6 in. (150 mm) 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.
- NEVER hold the work piece by hand. Secure the work piece with a clamp or another appropriate fixture if it is not long enough to be braced against the table column.
- 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.
- 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 THE WORK. Use clamps or a vise to hold the work. 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.
- MAKE SURE there are no nails or foreign objects in the part of the workpiece to be drilled.
- 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.). Remove material or debris from the area that might be ignited by hot chips.
- Crowded, cluttered work areas that can cause tripping or loss of balance are particularly dangerous.
- **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 the unit 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 THE RECOMMENDED SPEED for any drill press accessory and for different workpiece material. READ THE 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 speeds. DO NOT USE fly cutters or multiple-part hole cutters, as they can come apart or become unbalanced in use.
- **DO NOT** use bits with screw tips. These bits will pull the workpiece up from the table and start to spin, causing a serious risk of injury.
- **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.
- Be sure the chuck is tightly secured to the spindle.
- USE ONLY THE SELF-EJECTING TYPE CHUCK KEY as provided with the drill press. Tighten the bit securely in the chuck. The chuck key can be thrown at a high velocity if not removed, causing risk for injury.
- DO NOT FORCE DRILLING. The tool will do the job better and safer at the rate for which it is was intended.
- If the bit binds in the workpiece, release the on/off switch immediately. Unplug the tool, then free the bit from the workpiece. Do not try to free a jammed bit by starting and stopping the tool.
- **DO NOT** touch the drill bit or cuttings. The drill bit and cuttings are hot immediately after drilling.
- **ALWAYS** shut off, unplug and lock the drill press, if a lock in available, and store the key.

PROPOSITION 65 WARNING



WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to: www.P65Warnings.ca.gov/wood

Some examples of these chemicals are:

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- 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.

Handling the power cord on this product may expose you to chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

For more information go to: www.P65Warnings.ca.gov



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

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: Use of this tool can generate and/ or disperse dust, which may cause serious and permanent respiratory or other injury. Always use NIOSH/OSHA approved respiratory protection appropriate for the dust exposure. Direct particles away from face and body.



WARNING: Always wear proper personal hearing protection that conforms to ANSI S12.6 (S3.19) during use. Under some conditions and duration of use, noise from this product may contribute to hearing loss.



CAUTION: When not in use, place tool on its side on a stable surface where it will not cause a tripping or falling hazard. Some tools will stand upright but may be easily knocked over.

 Air vents often cover moving parts and should be avoided. Loose clothes, jewelry or long hair can be caught in moving parts.

ELECTRICAL SPECIFICATIONS AND SAFETY

Power Supply And Motor Specification



WARNING: To avoid electrical hazards, fire hazards, or damage to the tool, use proper circuit protection. Use a separate electrical circuit for your tool. Your grinder is wired at the factory for 120 V operation. Connect to a 120 V, 3.2 Amp circuit and use a 3.2 Amp time delay fuse or circuit breaker. To avoid shock or fire, if power cord is worn, 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 currents and reduces the risk of electric shock. This tool is equipped with an electrical cord that has an equipmentgrounding 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 electrical 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 certain the tool is properly grounded. USE only 3-wire extension cords that have threepronged grounding plugs with three-pole receptacles that accept the tool's plug. Repair or replace damaged or worn cords immediately.

Use a separate electrical circuit for your tool. This circuit must not be less than #18 wire and should be protected with a 3.2 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.

GUIDELINES FOR EXTENSION CORDS USE THE PROPER

EXTENSION CORD. Make sure your extension cord is in good condition. Use an extension cord 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, overheating

and burning out of the motor. 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.

Make sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified technician 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 120volts only					
Ampere	Rating	Ť	Total Length of Cord			
Mana	Not	25	50	100	150 ft.	
Thom	More	7.62	15.24	30.48	45.72 m	
man	Than	AWO	G - Americ	an Wire Ga	auge	
0	6	18	16	16	14	
6	10	18	16	14	12	
10	12	16	16	14	12	
12	16	14 12 Not Recommer			mmended	



WARNING: This tool is for indoor use only. Do not expose to rain or use in damp locations.

This tool is intended for use on a circuit that has a receptacle like the one illustrated in Fig. B. Fig. B shows a three-pronged electrical plug and receptacle that has a grounding conductor. If a properly grounded receptacle is not available, an adapter (Fig. C) can be used to temporarily connect this plug to a twocontact grounded receptacle. The adapter (Fig. C) has a rigid lug extending from it that MUST be connected to a permanent earth ground, such as a properly grounded receptacle box.

Fig. B

Three-Pronged Plug



Fig. C



The label on your tool may include the following symbols. The symbols and their definitions are as follows:

V	volts	$ar{\sim}$ or AC/DC	alternating or
Hz	hertz	_	direct current
min	minutes		. Class II
 or DC	direct current		Construction
	Class I Construction		(double insulated)
	(grounded)	n ₀	no load speed
/min	. per minute	n	. rated speed
BPM	beats per minute	⊎	earthing terminal
IPM	impacts per minute	A	.safety alert symbol
RPM	revolutions per	▲	visible radiation
	minute		avoid staring at
sfpm	surface feet per	_	light
	minute		wear respiratory
SPM	strokes per minute	~	protection
OPM	oscillations per		. wear eye
	minute	~	protection
Α	amperes	0	wear hearing
W	watts	•	protection
\mathbf{v} or AC	alternating current	8	. read all
	current		documentation

SAVE THESE INSTRUCTIONS FOR FUTURE USE

Motor

Be sure your power supply agrees with the nameplate marking. Voltage decrease of more than 10% will cause loss of power and overheating. These tools are factory tested; if this tool does not operate, check power supply.

TOOLS NEEDED FOR ASSEMBLY

Hammer or Rubber Mallet



CARTON CONTENTS Unpacking And Checking Contents

Carefully unpack the drill press and all its parts, and compare against the list below and the illustration below. Place the drill press on a secure surface and examine it carefully.



WARNING: To avoid injury from unexpected starting or electrical shock, do not plug the power cord into a source of power during unpacking and assembly. The cord must remain unplugged whenever you are adjusting/assembling the drill press.



WARNING: The drill press is heavy and should be lifted with care. If needed, get the assistance of someone to lift and move the drill press.



WARNING: If any part is missing or damaged, do not attempt to assemble the drill press, or plug in the power cord until the missing or damaged part is correctly replaced.

Table of Loose Parts

ITEM	DESCRIPTION	Q'T'
А.	Head assembly	1
В.	Table assembly	1
C.	Base	1
D.	Feed handles	3
E.	Chuck & Key hardware	
	Chuck	1
	Chuck key	1
F.	Column assembly	1
G.	Hardware bag	
	Lock handle	1
	Crank handle	1
	Worm gear	1
	Hex wrenches	2
	Hex bolts	3
	Rack	1
	Rack ring	1
Н.	AA batteries	2
I.	Instruction manual	1

UNPACKING YOUR DRILL PRESS

















E



F











ASSEMBLY AND ADJUSTMENTS

Estimated Assembly Time: 25-35 Minutes.



WARNING: For your safety, never connect plug to power source receptable until all assembly and adjustment steps are all complete, and you have read and understood the safety instructions.



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

Assembling Column To Base (Fig. D)

- 1. Position the base 4 on a flat and stable work surface (must be able to support 100 lbs.).
- 2. Place the column assembly **26** on the base **4**. Align the three mounting holes of the column assembly to the holes of the base.
- 3. **Bag "G"** Locate the three hex bolts **27** from the parts bag.
- Place a hex bolt 27 in each hole through the column assembly and thread into the base. Tighten with a 13 mm wrench or adjustable wrench.

Fig. D



Installing The Table (Fig. E, F, G, H, I)

 Bag "G" - Install the table lock handle 5 into the hole at the rear of the table bracket 16.
 NOTE: Install the handle from left to right, so it enters

the non-threaded side of the table bracket first.

 Bag "G" - Insert the worm gear 28 into the table crank handle hole 29 from inside of the table bracket 16. Make sure the worm gear 28 meshes with the inside gear.

NOTE: Do not remove the lubrication from this worm gear.

- 3. Place the rack **17** into the inside of table bracket **16** as shown in Fig. F, making sure the worm gear **28** in the table bracket **16** is engaged with the teeth of the rack **17** and the arrow stamped on the rack is pointing up.
- 4. Slide the table with the rack onto the column. (Fig. G)
- Engage the bottom of the rack **17** with the lip of the column assembly. Tighten the table lock handle **5** to lock the table to the column assembly.
 NOTE: Do not overtighten.

6. Install the rack ring 6 onto the column, so the top lip of the rack sits into the rack ring 6. (Fig. H)

NOTE: To avoid column or collar damage, DO NOT OVERTIGHTEN the set screw **30**.

- WARNING: The bottom of the collar MUST NOT be pushed all the way down onto the top of the rack.
 MAKE SURE the top of the rack is under the bottom of the collar and that there is enough clearance to allow the rack to freely rotate around the column. Tighten the set screw (30) using the 3 mm hex wrench.
- Install the table crank handle 15 onto the worm gear shaft 31 on the side of the table bracket. (Fig. I)
- Line up the flat side of the shaft with the set screw 32 in the crank handle and tighten the screw with the 3 mm hex wrench provided. Do not overtighten.



Fig. F





Fig. H



Fig. I



Installing The Head (Fig. J)

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 33 and slide it onto the column 19. Make sure the head 33 slides down over the column as far as possible. Align the head with the base.
- 2. Tighten the two head locking set screws 14 on the right side of the head by using the provided 4 mm hex wrench.

Fig. J



Installing Feed Handles (Fig. K)

- 1. Bag "D" Locate the three feed handles 2 in the loose parts bag.
- 2. Thread each feed handle 2 into the threaded holes 34 on the hub assembly 35 and tighten.

Fig. K



Installing The Chuck (Fig. L, M)



WARNING: Before any assembly of the chuck and arbor to the drill press head, clean all mating surfaces with a non petroleum based product; such as alcohol or lacquer thinner. Any oil or grease used in the packing of these parts must be removed otherwise the chuck may come loose during operation.

- 1. Bag "E" Clean out the tapered hole in the chuck 21 with a clean cloth and a non-alcohol based cleaner. Wipe clean all oil reside and any dirt or grime thoroughly. (Fig.L)
- 2. Clean tapered surfaces on the spindle **36** in the same manner as above.

NOTE: Make sure there are no foreign particles sticking to the surfaces. The slightest piece of dirt or oil reside on any of these surfaces will prevent the chuck from seating properly. This will cause the drill chuck and bit to wobble.

- 3. Open the jaws of the chuck **21** by rotating the chuck sleeve clockwise. To prevent damage, make sure the jaws are completely receded into the chuck.
- 4. Unlock the table lock handle and rotate the table away from the bottom of the chuck.
- 5. Insert the chuck **21** onto the spindle **36**, pushing upwards all the way.
- 6. Using a rubber mallet or a hammer and a block of wood, tap the chuck onto the spindle firmly. (Fig. M)



36

Fig. M

Fig. L



Removing The Chuck (Fig. M)

- 1. Turn the feed handles to lower the chuck to the lowest position.
- Place a ball joint separator (not shown) above the chuck and tap it lightly with a hammer or rubber mallet to cause the chuck to drop from the spindle.



CAUTION: Never hit the chuck directly with the hammer or rubber mallet.

CAUTION: To avoid possible damage to the chuck, raise the jaws all the way first and be prepared to catch the chuck as it falls.

Chuck Key Storage (Fig. N)

Storage holder **23** for the chuck key **37** is located on the right side of the drill press.

Fig. N



Mounting Drill Press To Work Surface (Fig. 0)



WARNING: The drill press must be securely fastened by the two base holes to a stand with heavy-duty fasteners. This will prevent the drill press from tipping over, sliding, or walking during operation.

- If mounting the drill press to a workbench, a solid wood bench is preferred over a plywood board, to reduce noise and vibration.
- 2. Holes should be pre-drilled through the supporting surface.
- 3. The hardware to mount this drill press is NOT supplied with the tool. The hardware used are: drill press base **a**, bolt **b**, flat washer **c**, rubber washer **d**, work surface **e**, flat washer **f**, lock washer **g**, hex nut **h**, jam nut **1**.

Fig. O



Adjustments Instructions

NOTE: 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 avoid injury from an accidental start, ALWAYS make sure the switch is in the "OFF" position, the switch key is removed, and the plug is not connected to the power source outlet before making adjustments.

Bevel Drilling (Fig. P)



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

NOTE: A 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 **(38)**:

- 1. TIGHTEN the nut **39** on the locking pin **40** using a 10 mm or adjustable wrench clockwise to RELEASE the locking pin **40** from the table support.
- 2. Loosen the bevel lock bolt 3 using a 19 mm or adjustable wrench.
- 3. Tilt the table **20** to desired bevel angle that will be shown on the bevel scale **38**.
- 4. Tighten the bevel lock bolt 3.
- 5. To return the table to horizontal position, loosen the bevel lock bolt **3**, return the table **20** to the 0° position.
- 6. Return the nut **39** on locking pin **40** to the OUTSIDE END OF THREADS. Gently tap locking pin **40** until it is seated in the mating hole of the table bracket. Hand tighten the nut **39**.

Fig. P



Spindle / Quill (Fig. Q)

Rotate the feed handles counterclockwise to lower spindle to its lowest position. Hold the chuck and move it front to back. If there is excessive play, proceed with the following adjustments:

1. Loosen the lock nut **41** located on the right side of the drill press by using a 13 mm wrench.

ENGLISH

- Turn the screw (42) clockwise to eliminate the play, using a slotted screwdriver, but without obstructing the upward movement of the spindle. (A little play in the spindle is normal.)
- 3. Tighten the lock nut **41**.

Fig. Q



Quill Return Spring (Fig. R)

The quill return spring may need adjustment if the quill return speed is too fast or too slow. This spring is located on the left side of the drill head.

- 1. Lower the table for additional clearance.
- 2. Place a screwdriver in the lower front notch **43** of the spring cap **44**. Hold it in place while loosening and removing only the outer jam nut **45**, using a 10 mm wrench.
- With the screwdriver still engaged in the notch 43, loosen the inner nut 46 just until the notch 47 disengages from the boss 48 on the drill press head.

A

CAUTION: DO NOT REMOVE THIS INNER NUT,

because the spring will forcibly unwind.

- 4. Carefully turn the spring cap **44** counterclockwise with the screwdriver, engaging the next notch.
- Lower the quill to the lowest position by rotating the feed handle in a counterclockwise direction while holding the spring cap 44 in position.
- 6. If the quill moves up and down as you desire, tighten the inner nut **46** against the spring cap with the wrench. If too loose, repeat steps 3 through 5 to tighten. If too tight, reverse steps 4 and 5.
- 7. Secure the outer jam nut **45** against the inner nut **46** with the wrench. **DO NOT OVERTIGHTEN** and restrict quill movement.



Belt Tension (Fig. S)



WARNING: To avoid injury from an accidental start, ALWAYS make sure the switch is in the "OFF" position, the switch key is removed, and the plug is not connected to the power source outlet before making belt adjustments.

- 1. Open the pulley cover.
- To unlock the belt tension, turn the belt tension lock knob **12** on the right side of the drill press head counterclockwise.
- 3. Pull the motor **13** toward the front of the drill press to loosen the belt tension.
- 4. Position the belt on the correct pulley steps for the desired speed.
- 5. Push the motor away from the drill press head until the belt is properly tensioned.

NOTE: Belt tension is correct if the belt deflects approximately 1/2 inch (12.7 mm) when pressed at its center.

6. Tighten the belt tension lock knob **12** to secure the motor in position. Close pulley cover.





Installing The Batteries (Fig. T)

- 1. Bag "H" Open the battery cover 49.
- Install two AA batteries into the case (50). If replacing the batteries, take out the old batteries and replace with new AA batteries. Dispose off old batteries properly.
- 3. Replace the battery cover (49).

NOTE: Replace with batteries that have a rating of 1.5 volts (Number 3 series and AA size or equivalent). When replacing the batteries, the battery guide should be thoroughly cleaned. Use a soft paintbrush or similar device, to remove all sawdust and debris.



WARNING: Do not mix old and new batteries. Do not mix alkaline, standard (carbon - zinc), or rechargeable (nickel - cadmium) batteries.

Fig. T



OPERATION Basic Drill Press Operation



WARNING: To avoid possible injury, keep guard closed and in place while tool is in operation. To avoid injury from an accidental start, **ALWAYS** make sure the switch is in the "OFF" position, the switch key is removed, and the plug is not connected to the power source outlet before making belt adjustments.

Speeds And Belt Placement (Fig. U)

This drill press has five operating speeds. Please see the chart in Fig. U for obtain each speed and the placement of the belt. This chart is also put on the inside of pulley cover for reference.

Fig. U

610min ⁻¹ (RPM)	900min ⁻¹ (RPM)	1500min ⁻¹ (RPM)		



DRILLING SPEED TABLE (RPM)					
D.:II Dit	Material				
Diameter (Inches)	Wood	Alum. / Zinc. / Brass	Iron / Steel		
1/16			2800		
1/8		2800	2080		
3/16	2800		1500		
1/4	2800	2000	1500		
5/16		2080	000		
3/8		1500	900		
1/2	2080	900	610		

On / Off Switch (Fig. V)

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

- 1. To turn the drill press "ON", insert the safety key **(51)** into the slot of the switch **(52)**. 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 sides of the safety key, and pull it out.
- 4. With the safety key removed, the switch will not turn the power tool on.
- 5. If the safety key is removed while the drill press is running, it can be turned "OFF" but cannot be restarted without inserting the safety key.

Fig. V



Rocker Switch For Led Light (Fig. W)

- 1. Press the rocker switch **9** with a dot "•" to turn the LED light "ON".
- 2. Press the rocker switch without a dot to turn the LED light "OFF".

Fig. W



Installing Drill Bit In Chuck (Fig. X)

- With the switch "OFF" and the safety key removed, open the chuck jaws 53 using the chuck key 37. Turn the chuck key counterclockwise to open the chuck jaws 53.
- Insert the drill bit 54 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 centred in the chuck.
- 4. Turn the chuck key **37** clockwise to tighten the chuck jaws **53**.



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. X



Drilling To a Specific Depth

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

Workpiece Method (Fig. Y, Z)

- 1. Make the depth mark **55** of the hole on the side of the workpiece.
- 2. With the switch "OFF", bring the drill bit **54** down until the tip is even with the mark **55**.
- 3. Hold the feed handle at this position.
- 4. Spin the lower nut **56** down to contact the depth stop lug **57**.
- 5. Spin the upper nut **58** down and tighten against the lower nut **56**.
- 6. The drill bit **54** now will stop after traveling the distance marked on the workpiece.

Depth Scale Method (Fig. Z)

NOTE: With the chuck in the upper position, 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 until the pointer 1 points to the desired depth on the depth scale (59) and hold the feed handle in that position.
- 2. Spin the lower nut **56** down to contact the depth stop lug **57**.
- 3. Spin the upper nut **58** against the lower nut **56** and tighten.
- 4. The drill bit will stop after traveling the distance selected on the depth scale.

Fig. Y





Drill a Hole

Using a centre punch or a sharp nail, make an indentation in the workpiece where you want to drill. Turn the power switch on and pull down on the feed handles with only enough effort to allow the drill to cut.

FEEDING TOO RAPIDLY might cause the belt or drill to slip, tear the workpiece loose, or break the drill bit. When drilling metal, it will be necessary to lubricate the tip of the drill bit with metal drilling oil to prevent it from overheating.

Basic Operation Instructions

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 on pages 4 and 5 of this instruction manual when operating the drill press.

Positioning The Table And Workpiece (Fig. AA, BB)

- 1. Lock the table **20** to the column **19** at a position so the tip of the drill bit **54** is just above the top of the workpiece **60**.
- 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, it MUST be positioned against the LEFT side of the column.



WARNING: To prevent the workpiece or backup material from being thrown 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 them 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.

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



WARNING: When using a drill press vise, it **MUST** be clamped or bolted to the table to avoid injury from a spinning workpiece, or damaged vise or bit parts.

Fig. AA



Fig. BB



Tilting The Table (Fig. CC)

- 1. TIGHTEN the nut **39** on the locking pin **40** using a 10 mm or adjustable wrench clockwise to RELEASE the locking pin **40** from the table support.
- Loosen the bevel lock bolt 3 using a 19 mm or adjustable wrench and tilt the table 20 to desired bevel angle.
- 3. Re-tighten the bevel lock bolt 3.



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

- To return the table to its original position, loosen the table bevel locking bolt 3. Return the table 20 to the 0° position.
- Return nut **39** on locking pin to the OUTSIDE END OF THREADS. Gently tap locking pin until it is seated in the mating hole of the table bracket. Hand tighten nut **39**.

Fig. CC



Feeding

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

MAINTENANCE



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.

General Maintenance

Frequently blow out dust and grit that accumulates in the motor housing using compressed air.



WARNING: ALWAYS use safety glasses. Everyday eyeglasses are NOT safety glasses. Also use face or dust mask if cutting operation is dusty. ALWAYS WEAR CERTIFIED SAFETY EQUIPMENT:

- ANSI Z87.1 eye protection (CAN/CSA Z94.3),
- ANSI S12.6 (S3.19) hearing protection,
- NIOSH/OSHA/MSHA respiratory protection.

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

If replacing the batteries, take out the old batteries and replace with new AA batteries. When replacing the batteries, the battery guide should be thoroughly cleaned. Use a soft paintbrush or similar device, to remove all sawdust and debris. Dispose off old batteries properly. Do not mix old and new batteries.

Do not mix alkaline, standard (carbon - zinc), or rechargeable (nickel - cadmium) batteries. Batteries are to be inserted with the correct polarity. Do not charge the battery which is not a rechargeable battery.



WARNING: To avoid shock or fire hazard, if the power lead is worn or cut in any way, replace it immediately.

LUBRICATION

Ball bearings in the drill press are packed with grease at the factory and require no further lubrication.

Use only mild soap and a damp cloth to clean the tool. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

IMPORTANT: To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (other than those listed in this manual) should be performed by authorized service centers or other qualified service organizations, always using identical replacement parts.

To clean cast iron parts of rust, you will need the following materials (not supplied): scouring pad, spray lubricant, can of degreaser. Apply the spray lubricant and polish with surface with the scouring pad. Degrease the surface, then apply a protective product such as an automotive paste wax.

Free Warning Label Replacement

If your warning labels become illegible or are missing, call 1-888-398-7737 for a free replacement.

CMXEDAR300 10 IN. (254 MM) DRILL PRESS / PERFORADORA DE COLUMNA 254 MM (10 PULGADAS) / PERCEUSE À COLONNE DE 254 MM (10 PO)	DE
3.2A, 5 SPEED• 610-2,800min ⁻¹ (RPM) 120V a.c. 60Hz	
SERIAL NO. / SERIE NO. / Nº DE SÉRIE • MFG. DATE / FECHA DE FABRICACIÓN / DATE DE FABRICATION •	
DISTRIBUTED BY / DISTRIBUIDO POR / DISTRIBUÉ PAR• Rexon industrial corp., Ltd. 261, Jen Hwa Road, Tali, taichung, taiwan	
WWW.CRAFTSMAN.COM • 1-888-398-7737 Made in China / Hecho en China / Fabriqué en Chine	226002

AWARNING FOR YOUR OWN SAFETY READ INSTRUCTION MANUAL BEFORE OPERATING DRILL PRESS

I, WEAR EVE PROTECTION. * 2, DO NOT WEAR GLOYS, REEXTE, DE LOBSE CLOTHINE. * 3, CLAMP WORKPECT De Bracc Carante To Lown to Prevent and to Attanta. * 4, De Rommendo Bergore Dra Den Locessore Non Workpect Machine From Power Source Office Machine Anter State (1997) 8, Decomment Machine From Power Source Bergre Machine Anter Sor Adjustments. * 7, do not zerges to Rank in Case In Adam Lockting.

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ПЛАВАЛЕ СОТИМА НА СОLИМИА РАКА РАТИЛА ОВЕ СВЕС. - 4. ИПИСЕ LA VELOCIMO ВЕСПАНОВА РАВА LA CESSIBIO В ГЛАВИР У СИ МАТИЛИ В СА РЕГОВАТОВАЛО. - 5. СРЕСОВЕТСИ В НАВЛЯ ВЕТВАЛО ЦА ИЛИ ОВЕ ЦА МОВИЛИ АНТЕ ЗА БЛАВИСКИ LA РЕПОВАВЛЯ СЕ ОСЛИМИ. - 6. DESCONCET LA MÁQUIMA DE TOMACOBRIENTE ANTE SO EFECTURO DIALQUERE PARADORÍA DA LIST. - 7. NO LA PORMA DA LILLOMA NI LA GE MALORIZA MISTA AL VELTADOR Y LE MARTANZIÓN DA LIST. - 7. NO LA PORMA DA LILLOMA NI LA GE MALORIZA MISTA AL VELTADORIZACIÓN LA DESCRICTA DE LIDENTA DA LIDENTA DA LIDENTA DA LIDENTE MARTÍN DE LIDENTA DE LIDENTE DA PRESIDENTE PUER VOTES ESCONTEL DA LIDENTA DA LIDENTA DA LIDENTA DA LIDENTA DA LIDENTE NO DESIDENTE PUER VOTES ESCONTEL DA LIDENTE DA PRESIDENTE DA DADALE O MASTRUCTIONS AVANT O LIDENTA DA LIDENTE DA PRESIDENTE DA LIDENTE DA DADALE DA LIDENTE DA PRESIDENTE DA DADALE DA DADALE O MASTRUCTIONS AVANT O LIDENTE DA LIDENTE DA DADALE DA DADALE DA DADALE DA DADALE DA LIDENTE DA LIDENTE DA DADALE DA DADALE O MASTRUCTIONS AVANT O LIDENTE DA DADALENTE DA DADALE DADALE DA DADALE DADALE DA DA DA DADALE DA DADALE DA DADALE DA DADALE DA DADALE DA DADALE D

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TROUBLESHOOTING GUIDE

BE SURE TO FOLLOW SAFETY RULES AND INSTRUCTIONS

For assistance with your product, visit our website at **www.craftsman.com** for a list of service centers, or call CRAFTSMAN at 1-888-398-7737.

PLEASE READ THE FOLLOWING: The manufacturer and/or distributor is providing the buyer with a parts list and assembly diagram in this manual as a reference tool only. Neither the manufacturer nor distributor make any representation or warranty of any kind to the buyer regarding the accuracy of the list or diagram or that buyer is qualified and able to make any repairs or replace any parts of the product. The manufacturer and/or distributor expressly recommend: that all repairs and/or part replacements only be undertaken by a certified and licensed technician, and not by the buyer. The buyer assumes all risk and liability, including injuries to persons and damage to property, associated with and arising out of any attempt of the buyer at repairs or replacement of parts to the product.

PROBLEM	CAUSE	CORRECTION
Noisy operation.	 Incorrect belt tension. Dry spindle. Loose spindle pulley. Loose motor pulley. 	 Adjust tension. See section "Assembly - Belt Tension". Lubricate spindle. Check tightness of retaining nut on pulley, and tighten if necessary. Tighten set screw in motor pulley.
Drill bit burns.	 Incorrect speed. Chips not coming out of hole. Dull drill bit. Feeding too slowly. Not lubricated. 	 Change speed. See Section " Operation - Speeds and Belt Placement Table". Retract drill frequently to clear chips. Resharpen drill bit. Feed fast enough – allow drill to cut. Lubricate drill.
Run out of drill bit point/ drilled hole not round.	 Grain in wood or lengths of cutting flutes and/or angles not equal. Bent drill bit. 	 Resharpen drill bit correctly. Replace drill bit.
Wood splinters on underside.	1. No backup material under workpiece.	1. Use backup material. See Section "BASIC DRILL PRESS OPERATION".
Workpiece torn loose from hand.	1. Not supported or clamped properly.	1. Support workpiece or clamp it. See Section "BASIC DRILL PRESS OPERATION".
Drill bit binds in workpiece.	 Workpiece pinching drill bit, or excessive feed pressure. Improper belt tension. 	 Support workpiece or clamp it. See Section "BASIC DRILL PRESS OPERATION". Adjust tension. See Section "Assembly - Belt Tension".
Excessive drill bit runout or wobble.	 Bent drill bit. Worn bearings. Drill bit not properly installed in chuck. Chuck not properly installed. 	 Replace drill bit. Replace bearings. Install drill properly. See Section "BASIC DRILL PRESS OPERATION" and "ASSEMBLY". Install chuck properly. See Section "ASSEMBLY INSTALLING THE CHUCK".
Quill returns too slow or too fast.	1. Coil spring has improper tension.	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.	 Dirt, grease, or oil on the tapered inside surface of chuck or on the spindle's tapered surface. 	 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".

Register Online

Thank you for your purchase. Register your product now for:

- WARRANTY SERVICE: Registering your product will help you obtain more efficient warranty service in case there is a problem with your product.
- CONFIRMATIONOF OWNERSHIP: In case of an insurance loss, such as fire, flood or theft, your registration of ownership will serve as your proof of purchase.
- FOR YOUR SAFETY: Registering your product will allow us to contact you in the unlikely event a safety notification is required under the Federal Consumer Safety Act.

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Three Year Limited Warranty

CRAFTSMAN will repair or replace, without charge, any defects due to faulty materials or workmanship for one year from the date of purchase. This warranty does not cover part failure due to normal wear or tool abuse. For further detail of warranty coverage and warranty repair information, visit www.craftsman.com or call 1-888-398-7737. This warranty does not apply to accessories or damage caused where repairs have been made or attempted by others. THIS LIMITED WARRANTY IS GIVEN IN LIEU OF ALL OTHERS, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND EXCLUDES ALL INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so these limitations may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary in certain states or provinces.

90 DAY MONEY BACK GUARANTEE

If you are not completely satisfied with the performance of your CRAFTSMAN Power Tool, Laser, or Nailer for any reason, you can return it within 90 days from the date of purchase with a receipt for a full refund – no questions asked.

LATINAMERICA: This warranty does not apply to products sold in Latin America. For products sold in Latin America, see country specific warranty information contained either in the packaging, call the local company or see website for warranty information.

PARTS LIST

10 in. (254 mm) Drill Press Parts list for drill press

I.D. NO.	Description	Size	Q'ty	I.D. NO.	Description	Size	Q'ty
X759	BATTERY		2	X77L	CR. RE. COUNT HD. SCREW	M6*1.0-12	5
X75A	SWITCH BASE		1	X77M	CLAMP CORD		3
X75C	POWER CORD		1	X77N	CR. RE. COUNT HD. SCREW	M5*0.8-12	8
X75N	HEX BOLT	M8*1.25-25	3	X7AZ	BATTERY BOX ASS'Y		1
X75Q	RACK		1	X7B1	CHUCK & KEY		1
X75T	HEX BOLT	1/2*12UNC-7/8	1	X7B2	POSITIONING PIN ASS'Y		1
X760	HEX WRENCH (4 MM)		1	X7B7	SPRING CAP ASS'Y		1
X761	HEX WRENCH (3 MM)		1	X7B8	MOTOR ASS'Y		1
X762	ROD	φ12.2*58	1	X839	LED ASS'Y		1
X766	CHUCK KEY		1	X83A	QUILL ASS'Y		1
X768	HEX SOCKET SCREW	M6*20	1	X83B	COLUMN ASS'Y		1
X769	HEX NUT	M6	2	X83C	TABLE BRACKET ASS'Y		1
X76A	FLAT WASHER	φ6	1	X83D	CRANK HANDLE ASS'Y		1
X76B	DEPTH SCALE BASE		1	X83E	RACK RING ASS'Y		1
X76H	TERMINAL		1	X83F	HANDLE BAR ASS'Y		3
X76J	LOCK SWITCH		1	X83G	MOTOR PULLEY		1
X76K	SWITCH PLATE		1	X83H	DRIVE SLEEVE ASS'Y		1
X76L	SWITCH BOX		1	X83L	TRADEMARK LABEL		1
X76M	SCALE		1	X83M	WARNING LABEL		1
X76P	SET BOLT	M10*1.5	1	X83N	SPEED DIAGRAM		1
X76Q	POINTER		1	X83P	LABEL		1
X76R	CR. RE. COUNT HD. SCREW	M4*10	2	X83R	PHILIPS SCREW AND FLAT WASHER ASS'Y	M5*12	1
X76S	CR. RE. COUNT HD. SCREW	54.2*12	4	X835	CORD PLATE		1
X76X	HEX NUT	3/8*24UNF T=8	2	X83U	INSTRUCTION MANUAL		1
X770	CR. RE. COUNT HD. SCREW	M5*0.8-8	2	X83W	BASE		1
X771	STAR WASHER	φ5	2	X83Y	WORK TABLE		1
X772	EARTH MARK		1	X83Z	BELT PULLEY COVER HANDLE		1
X773	QUILL SET NUT	M8*1.25-14	1	X841	TABLE LOCK HANDLE		1
X774	HEX NUT	M8*1.25 T=6.5	1	X845	NUT	M10*1.5-2B	2
X778	SPRING PIN		1	X846	HEAD		1
X779	LOCK NUT	M8*1.25 T=8	2	X847	SHIFTER BOLT	M8*1.25-20	1
X77A	HEX SCREW	M8*1.25-25	2	X848	PULLEY COVER ASSEMBLY		1
X77B	MOTOR RAD ASS'Y		1	X84B	SPINDLE PULLEY		1
X77C	COMPRESSION SPRING		1	X84C	HEX. SOC. SET SCREW	M8*10	4
X77D	FLAT WASHER		4				
X77E	FEED SHAFT		1				
X77H	CHUCK KEY HOLDER		1		HARDWARE BAG		
X77J	RUBBER SLEEVE	φ20	2	X7B1	HANDLE BAR ASS'Y		1
X77K	V-BELT	K-29	1	X83F	CHUCK & KEY		1
]			

10 in. (254 mm) Drill Press Schematic for drill press

