



Assembly & Instruction Manual

ITEM 3247

VENDOR: A SERIES: 1



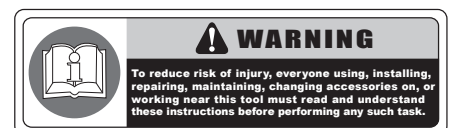
3/8" ELECTRIC DRILL

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You can purchase additional items at
www.cumminstools.com

SAVE THIS MANUAL FOR FUTURE REFERENCE



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Your new 3/8" ELECTRIC DRILL has been engineered and manufactured to Cummins Industrial Tools high standards for dependability, ease of operation, and operator safety. Pay close attention to the Rules for Safe Operation, Warnings, and Cautions. If you use your machine properly and only for what it is intended, you will enjoy years of safe, reliable service.

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INTRODUCTION

- THIS PRODUCT has many features for making the use of this product more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.

WARNING:

Do not attempt to use this product until you thoroughly read and completely understand the operator's manual. Pay close attention to the safety rules, including Dangers, Warnings, and Cautions. If you use your product properly and only as intended, you will enjoy years of safe, reliable service.

-  **Look for this symbol to point out important safety precautions. It means attention!!! Your safety is involved.**

WARNING:



The operation of any tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always wear eye protection which is marked to comply with ANSI Z87.1.

GENERAL SAFETY RULES

▲ WARNING: When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment. Read all instructions before using the tool!

- **Work area conditions.** Cluttered areas invite injuries.
- **Additional work area conditions.** Do not use machines or power tools in damp or wet locations. Do not expose to rain. Keep work area well lighted.
- **Keep children away.** Children must never be allowed in the work area. Do not let them handle machines, tools or extension cords.
- **Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
- **Use the right tool for the job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this tool and do not use this tool for a purpose for which it was not intended.
- **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
- **Use eye protection.** Always wear ANSI approved impact safety glasses underneath a full face shield during use. Also, wear heavy duty work gloves.
- **Do not overreach.** Keep proper footing and balance at all times. Do not reach over or across running machines.
- **Maintain tools with care.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. The handles must be kept clean, dry, and free from oil and grease at all times.
- **Remove adjusting keys and wrenches.** Check that keys and adjusting wrenches are removed from the tool or machine work surface before starting work.
- **Stay alert.** Watch what you are doing, use common sense. Do not operate any tool when you are tired.
- **Check for damaged parts.** Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Any part that is damaged should be replaced.
- **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool. Approved accessories are available from Cummins Industrial Tools.
- **Do not operate tools if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.

▲ WARNING: The warnings, cautions, and instructions discussed in this instruction manual can not cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which can not be built into this product, but must be supplied by the operator.

SPECIFIC SAFETY RULES

- ⚠ **ALWAYS CHECK THE SPEED RATING OF ACCESSORIES.** This tool will spin accessories at up to 2600 rpm. Accessories not rated for speeds this high will very likely fly apart and could cause serious injury.
- Hold tool by insulated gripping surfaces when performing an operation where the cutting tools may contact hidden wiring or its own cord. Contact with a “live” wire will make exposed metal parts of the tool “live” and shock the operator.
- Always be sure you have a firm footing.
Be sure no one is below when using the tool in high locations.
- Hold the tool firmly.
- Keep hands away from rotating parts.
- Do not leave the tool running. Operate the tool only when hand-held.
- Do not touch the drill bit or the workpiece immediately after operation; they may be extremely hot and could burn your skin.

PRODUCT SPECIFICATIONS

■ Voltage	110 volts AC, 60 Hz
■ Input power	300 W
■ No load speed	2600 RPM
■ Drilling capacities	Steel: 3/8" (10 mm) Wood: 1" (25 mm)

UNPACKING

INSTRUCTIONS

When unpacking the tool:

- Carefully remove the tool and accessories from the box.
- Make sure that all items listed in the packing list are included.
- Inspect the tool carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.

⚠ **WARNING:** If any part are missing do not operate the tool until the missing parts are replaced. Failure to do so could result in possible serious personal injury.

FEATURES

- Double insulated design
- 3/8" (10 mm) keyless chuck
- Convenient above-the-trigger reverse switch
- Lock-on button

ADJUSTMENTS

Installing or Removing Drill Bit

⚠ Always be sure that the tool is switched off and unplugged before installing or removing the bit.

- 1- Hold the ring and turn the sleeve counterclockwise to open the chuck jaws. Place the bit in the chuck as far as it will go. Hold the ring firmly and turn the sleeve clockwise to tighten the chuck.
- 2- To remove the bit, hold the ring and turn the sleeve counterclockwise.

Switch Action

- Tool speed is increased by increasing pressure on the trigger. To start the tool, simply pull the trigger. Release the trigger to stop. For continuous operation, pull the trigger and then push in the lock button. To stop the tool from the locked position, pull the trigger fully and then release it.

Reversing Switch Action

- To change the chuck rotation direction, move the rotation direction switch above the trigger to the other side. Setting the direction switch to the right causes the drill to turn clockwise, for normal drilling. The direction switch moved to the left will cause the drill to run in reverse (counterclockwise) direction, backing drill bit and screws out of their holes.

⚠ Use the reversing switch lever only when the tool comes to a complete stop. Changing the direction of rotation before the tool stops may ruin the tool.

OPERATION

Running the Drill

- 1- Plug in the tool.
- 2- Hold the tool firmly. Squeeze the trigger to run the drill.
- 3- Engage the lock-on button on the left side of the handle when squeezing the trigger switch.
- 4- To disengage the lock-on button, squeeze the trigger.

Drilling in wood

- When drilling holes in wood, use a wood drill with a guide screw. The guide screw makes it bore naturally by itself so you do not need to apply any pressure to the tool.

Drilling Metal

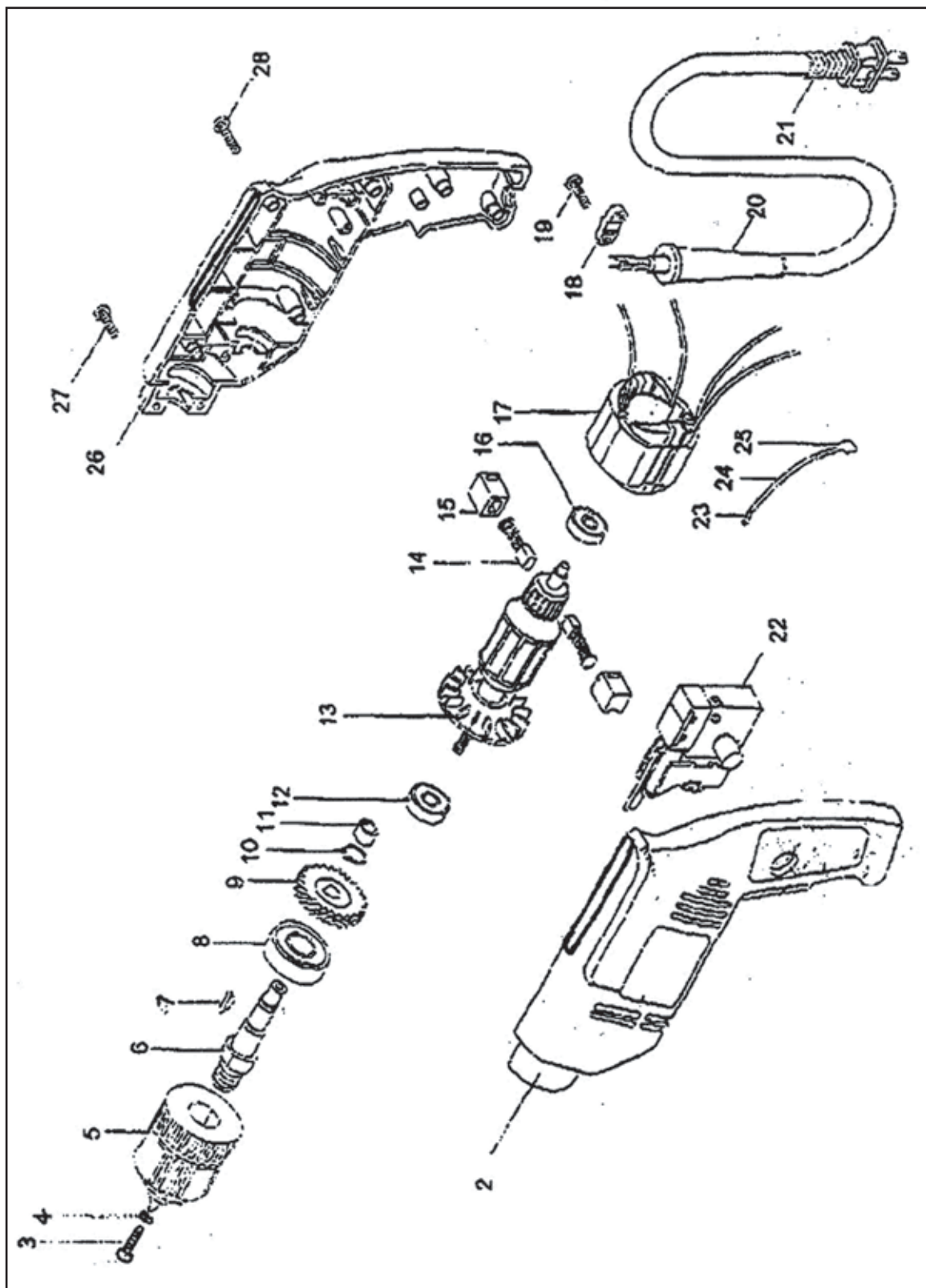
- To prevent the bit from slipping when starting a hole, make an indentation with a center punch and hammer at the point to be drilled. Place the point of the bit in the indentation and start drilling.
- Use a cutting lubricant when drilling metals. The exceptions are iron and brass which should be drilled dry.

⚠ CAUTION: Pressing excessively on the tool will not speed up the drilling. In fact, this would damage the tip of the bit, decrease the tool performance, and shorten the service life of the tool. There is a tremendous force exerted on the tool/bit at the time when a hole is drilled through. Hold the tool firmly and exert care when the bit begins to break through the workpiece. Always grip the small workpiece firmly with a vise or a holding means. A stuck bit can be removed simply by setting the reversing switch to reverse rotation in order to back out. However, the tool will pull away easily unless you hold it firmly before starting the tool.

MAINTENANCE

- ⚠ **Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.**
- Keep the vents clear of dust and debris. This will help prevent possible electrical shorts and ensure proper cooling.
- Keep the tool housing clean, free of oil and grease by using mild soap and a damp (not wet) cloth.
- Inspect the cord regularly and have it replaced by an authorized repair facility if it is damaged.
- Lubrication for this tool is done at the factory and should not be necessary again under normal use.
- An authorized repair centre should do any repairs, modifications, or maintenance that involves disassembling the tool.
- Any damage to the tool should be corrected at an authorized repair centre.

EXPLODED DIAGRAM



PARTS LIST

No	Description	Qty
2	LEFT MOTOR HOUSING	1
3	SCREW M5 X 22	1
4	SPRING WASHER (5)	1
5	CHUCK	1
6	SPINDLE	1
7	HALF CIRCLE KEY	1
8	BEARING 201	1
9	GEAR	1
10	FENDER RING 10	1
11	BRASS BUSHING	11
12	BEARING	1
13	ARMATURE	1
14	CARBON BRUSH	2
15	CARBON BRUSH HOLDER	2
16	BEARING	1
17	STATOR	1
18	CLIP	1
19	SELF TAPPING SCREW 4 X 12	2
20	CABLE SHEATH	1
21	POWER CORD AND PLUG	1
22	SWITCH MODULE	1
23	LIMB	2
24	OUTGOING LINE	2
25	LIMB	2
26	RIGHT MOTOR HOUSING	1
27	SCREW 4 X 16	2
28	SCREW 4 X 20	6