

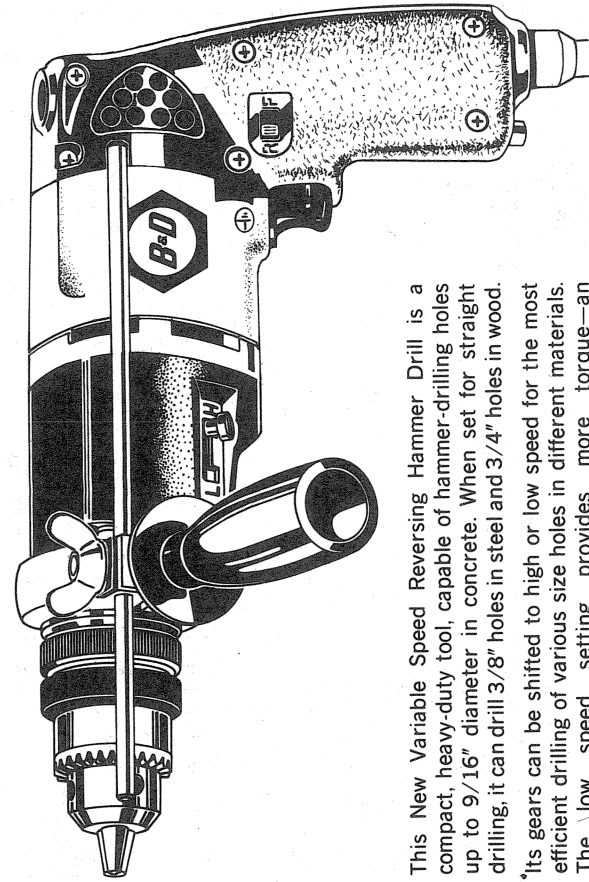
## COMMERCIAL / INDUSTRIAL USE WARRANTY

Black & Decker warrants this product for one year from date of purchase. We will repair without charge, any defects due to faulty material or workmanship. Please return the complete unit, transportation prepaid, to any Black & Decker Service Center or Authorized Service Station listed under "Tools Electric" in the yellow pages. This warranty does not apply to accessories or damage caused where repairs have been made or attempted by others.

**SAVE THESE INSTRUCTIONS**



## OWNER'S MANUAL



This New Variable Speed Reversing Hammer Drill is a compact, heavy-duty tool, capable of hammer-drilling holes up to 9/16" diameter in concrete. When set for straight drilling, it can drill 3/8" holes in steel and 3/4" holes in wood.

\*Its gears can be shifted to high or low speed for the most efficient drilling of various size holes in different materials. The low speed setting provides more torque—an improvement over tools with electric speed control, where power drops off when speed is reduced.

The variable speed reversing switch provides greater ease in starting a hole; greater versatility when drilling in various materials; and ease in withdrawing bits from tight holes.

For personal safety and proper operation of the Hammer Drill, please read all of the safety rules and instructions in this booklet. Don't forget to send in the owner registration card.

THANK YOU for buying BLACK & DECKER!

### CAUTION

To assure product SAFETY and RELIABILITY, repairs, maintenance (excluding brush inspection and replacement) and adjustment should be performed by BLACK & DECKER Service Centers or other qualified service organizations, always using BLACK & DECKER replacement parts.

BLACK & DECKER (U.S.) INC.

626 Hanover Pike, Hampstead, Md. 21074, U.S.A.

Form No. 740867-01

(JUL83-CD)

Printed in U.S.A.

## HAMMER GUN®

No. 5076-09 3/8" EXTRA HEAVY DUTY VSR HAMMER DRILL

## IMPORTANT SAFETY INSTRUCTIONS

**WARNING:** When using Electric Tools, basic safety precautions should always be followed to reduce risk of fire, electric shock, and personal injury, including the following:

### READ ALL INSTRUCTIONS

- KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
- CONSIDER WORK AREA ENVIRONMENT.** Don't expose power tools to rain. Don't use power tools in damp or wet locations. Keep work area well lit.
- GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example: pipes, radiators, ranges, refrigerator enclosures.
- KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Do not let visitors contact tool or extension cord.
- STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place—out of reach of children.
- DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
- USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended, for example, don't use circular saw for cutting tree limbs or logs.
- DRESS PROPERLY.** Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- USE SAFETY GLASSES.** Also use face or dustmask if cutting operation is dusty.
- DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
- DON'T OVERREACH.** Keep proper footing and balance at all times.
- MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safe performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
- DISCONNECT TOOLS.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.
- REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
- AVOID UNINTENTIONAL STARTING.** Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.
- OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
- STAY ALERT.** Watch what you are doing. Use common sense. Do not operate tool when you are tired.
- CHECK 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 by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by Authorized Service Center. Do not use tool if switch does not turn it on and off.
- DO NOT OPERATE** portable electric tools near flammable liquids or in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.

## HAMMER DRILL SAFETY RULES

- Wear safety goggles or other eye protection.
- Wear ear protectors when hammering for extended periods.
- Always use the side handle supplied with the tool. Keep a firm grip on the tool when it is operating.
- Don't overreach. Maintain a firm, balanced working stance. When necessary, use only properly positioned, safe platforms, ladders and scaffolds, to do the job SAFELY!
- Bits get hot in operation. Wear gloves when touching them.
- Regularly check tightness of all external screws.

**CAUTION:** When drilling into walls, floors or wherever "live" electrical wires may be encountered, DO NOT TOUCH THE CHUCK OR ANY FRONT METAL PARTS OF THE DRILL! Hold the Drill only by the plastic handle to prevent electric shock if you drill into a "live" wire.

**CAUTION:** Do not tape the chuck key to the cord set. The chuck key handle may, over a period of time, cut through the cord set insulation thereby creating an electrical hazard. Use a plastic or rubber chuck key holder to hang the key from the cord.

## MOTOR

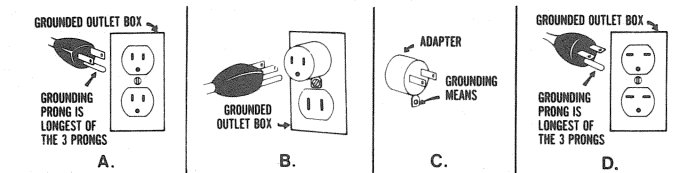
Your Black and Decker tool is powered by a B&D-built motor. Be sure your power supply agrees with voltage marked on nameplate. **VOLTS 50/60 Hz** means **Alternating Current ONLY. VOLTS DC-60 Hz** means it will also operate on **Direct Current**. Voltage decrease of more than 10% will cause loss of power and overheating. All B&D tools are factory-tested; if this tool does not operate, check the power supply.

## GROUNDING

This tool should be grounded while in use to protect the operator from electric shock. The tool is equipped with an approved three-conductor cord and three-prong grounding type plug to fit the proper grounding type receptacle. The green (or green and yellow) conductor in the cord is the grounding wire. Never connect the green (or green and yellow) wire to a live terminal.

If your unit is for use on less than 150 volts, it has a plug like that shown in Figure A. If it is for use on 150 to 250 volts, it has a plug like that shown in Figure D. An adaptor, Figures B and C, is available for connecting Figure A plugs to two-prong receptacles. The green-colored rigid ear, lug, etc., must be connected to a permanent ground such as a properly grounded outlet box.

No adapter is available for a plug as shown in Figure D. Adapter shown in Figures B & C is Not for Use in Canada.



We recommend that you NEVER disassemble the tool or try to do any rewiring in the electrical system. Any repairs should be performed only by B&D Service Centers or other qualified service organizations. Should you be determined to make a repair yourself, remember that the green colored wire is the "grounding" wire. Never connect this green wire to a "live" terminal. If you replace the plug on the power cord, be sure to connect the green wire only to the grounding (longest) prong on a 3-prong plug.

## SAVE THESE INSTRUCTIONS

## EXTENSION CORDS

Tools that have 3 wire cords requiring grounding must only be used with extension cords that have 3-prong grounding type plugs and 3-pole receptacles. Only round jacketed extension cords should be used, and we recommend that they be listed by Underwriters Laboratories (U.L.) (C.S.A. in Canada). If the extension will be used outside, the cord must be suitable for outdoor use. Any cord marked as outdoor can also be used for indoor work.

An extension cord must have adequate wire size (AWG or American Wire Gauge) for safety, and to prevent loss of power and overheating. The smaller the gauge number of the wire, the greater the capacity of the cable, that is 16 gauge has more capacity than 18 gauge. When using more than one extension to make up the total length, be sure each individual extension contains at least the minimum wire size.

To determine the minimum wire size required, refer to chart below:

NAMEPLATE RATING - AMPS	CHART FOR MINIMUM WIRE SIZE (AWG) OF EXTENSION CORDS							
	TOTAL EXTENSION CORD LENGTH - FEET							
	25	50	75	100	125	150	175	200
0 - 10.0	18	18	16	16	14	14	12	12
10.1 - 13.0	16	16	14	14	14	12	12	12
13.1 - 15.0	14	14	12	12	12	12	12	—

Before using an extension cord, inspect it for loose or exposed wires, damaged insulation, and defective fittings. Make any needed repairs or replace the cord if necessary. Black & Decker has extension cords available that are U.L. (C.S.A. in Canada) listed for outdoor use.

## LUBRICATION

Your tool was properly lubricated before leaving the factory. In two to six months, depending upon use, take or send your tool to a Black & Decker Service Center, or Authorized Service Station, for a complete cleaning, inspection and relubrication. Tools used constantly in areas of high dust concentration will need relubricating more often. Also, tools "out of service" for long periods should be relubricated before being put back to work.

## CONNECTING AND STARTING THE HAMMER GUN<sup>®</sup> Extra H.D. Hammer Drill

This tool should be operated from power sources producing 120 volts, 60 Hz (cycles per second). Operation of the unit at other than nameplate voltage may cause serious damage to the motor.

The tool is activated by depressing the trigger, and stopped by releasing it. The farther the trigger is depressed, the higher the speed of the unit. A switch lock button on the bottom of the handle can be used to keep the tool running without finger pressure on the trigger. It is engaged by pulling the trigger to start the tool and then depressing the switch lock button. The unit will now continue to run after the trigger is released. To stop the tool, depress the trigger (this disengages the switch lock) and release.

### WARNING:

The switch lock feature must be used with caution due to the high torque output of this unit, especially when operating in low speed.

## GEAR SHIFT OPERATION

The two speed gear drive in the No. 5076 HAMMER GUN<sup>™</sup>, 3/8" Extra H.D. Hammer Drill, permits effective operation over an extended range of applications with a greater selection of accessories. To select the proper speed for a particular job, refer to the dark area of the instruction label (Figure 1) on the underside of the gear case. EXAMPLE: For holes up to and including 3/8" in concrete, use high speed. For holes over 3/8" through 9/16" use low speed. (Speeds are with trigger fully depressed.)

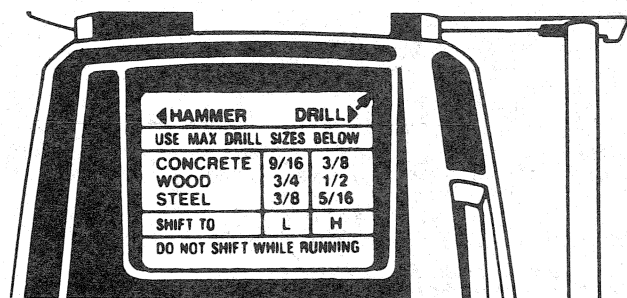


FIGURE 1

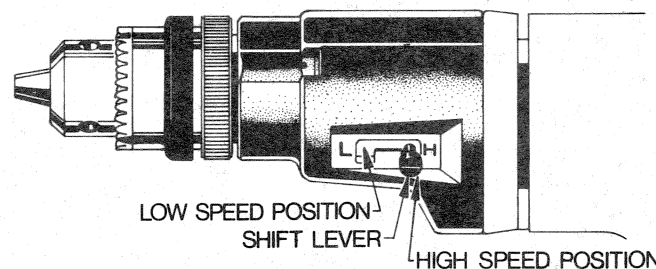


FIGURE 2

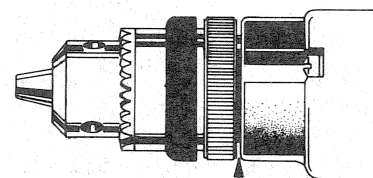
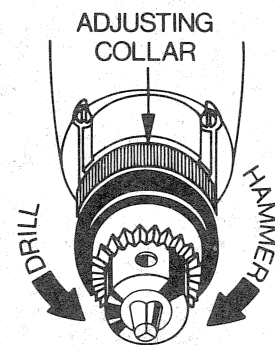
For LOW SPEED operation, the shift lever (Figure 2) should be moved to the end of the shift slot marked "L" (toward the front of the tool). Make sure the lever "snaps" down into the lock position.

For HIGH SPEED operation, move the lever toward the back of the tool so that it snaps into the locked position marked "H".

For simplicity and ruggedness, the gear train has been designed for shifting only when the unit is off. It may be necessary however, to rotate the chuck slightly to align the gears while pushing on the shift lever. **DO NOT ATTEMPT TO CHANGE SPEEDS while the tool is running.** Doing so will damage the gear train.

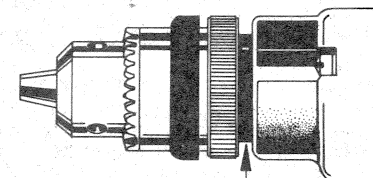
## HAMMER/DRILL ADJUSTMENT

FIGURE 3



SMALL GAP FOR "HAMMER"

FIGURE 4



LARGE GAP FOR "DRILL"

Turning the adjusting collar\* (Figures 3 & 4) clockwise as far as possible sets the mechanism for hammer-drilling action. When used with percussion carbide bits, this mode of operation gives fast penetration in concrete, cinder block, and other types of masonry.

Turning the adjusting collar counter-clockwise as far as possible sets the mechanism for drilling action only. The unit may then be used as a normal 3/8" Drill.

Click stops throughout the range of adjustment permit variation of the hammering action from strong (in the HAMMER position) decreasing to zero (in the DRILL position). To adjust for light hammering action, set the unit for "Drill", turn unit ON and with bit in chuck, push against the work surface. Then turn the adjusting collar until the desired amount of hammering is obtained. Once set, no further adjustment is required unless the adjusting collar is moved.

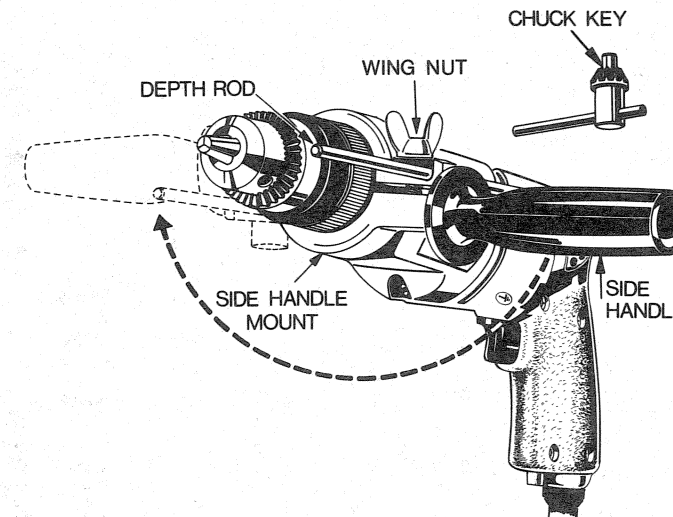
## SIDE HANDLE AND DEPTH ROD ADJUSTMENT (Figure 5)

The side handle can be used with or without the depth rod as required.

To position the side handle for comfortable operation; loosen the wing nut using the chuck key handle, if necessary, rotate the mount to the desired position, and retighten. (DO NOT OVERTIGHTEN THE NUT).

To set the depth rod; loosen the wing nut, position the rod so that the length of the bit projecting beyond the end of the rod is equal to the desired hole depth, and retighten nut.

\*NOTE: When the side handle mount is tightened into position, it locks the adjusting collar so that the unit cannot be shifted from Hammer to Drill or vice-versa. It is therefore necessary to first loosen the side handle mount before attempting to rotate the adjusting collar to shift modes of operation.



SIDE HANDLE AND DEPTH ROD ADJUSTMENT

FIGURE 5

## OPERATING TIPS

When hammer-drilling into concrete or similar materials, apply enough force on the unit to give a steady ratcheting sound. Too little force will permit the clutches to skip and thus reduce drilling rate. Too much force can bind or "choke" the bit with dust, especially with smaller diameter bits or when drilling in soft materials. "Choking" will overload the unit and result in poor drilling performance. When drilling in hard, brittle materials such as ceramic tile, better results can be obtained by reducing the hammer blow. (See HAMMER/DRILL adjustment instructions).

The instruction label on the gear case serves as a guide for proper bit size and speed selection. It is impossible, however, to foresee all types of applications. It is therefore recommended that if the tool often stalls at high speed, or gets excessively hot, you should switch to low speed for that particular job.

Always keep in mind the high torque output of this tool in low speed, especially when the bit could hit reinforcing rod or other materials that might cause sudden stalls. **Keep a firm grip on the unit and use the side handle.**

Always "bottom" the bit in the chuck. This permits the chuck jaws to grip the shank fully and prevents cocking the jaws. Use the chuck key in all three holes to tighten the chuck as much as possible (Figure 6). To release the bit, turn the chuck key counter-clockwise in just one hole and loosen the chuck by hand. Some bits with turned down shanks will not bottom in the chuck. They should be inserted as deep as possible without butting against the front edge of the chuck jaws.

FIGURE 6

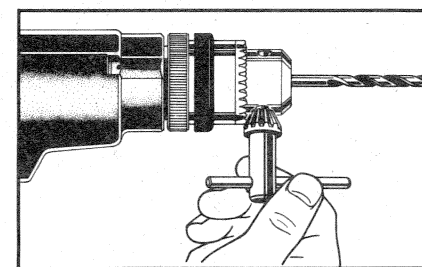
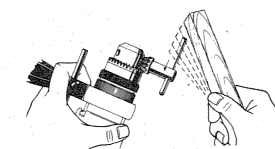


FIGURE 7



To remove the chuck, place the chuck key in one of the holes in the chuck body and strike it sharply with a piece of wood in the direction it normally rotates (Figure 7). This will loosen the chuck so that it can be unscrewed by hand. When re-installing, make sure that surfaces and threads are clean.

## MAINTENANCE

After disconnecting the unit from its power supply, periodically take the following maintenance action:

1. Check the tightness of all external screws.
2. Clean off any build-up of dirt and grease from the shift lever area.
3. Whenever the chuck is removed, clean the area inside the collar and around the dust seal.
4. Check condition of power supply cord and plug. Repair at once if damaged, taking care to always use a 3-wire power supply cord and a 3-prong grounding type plug.
5. Keep the triangular air inlet screens (above switch handle) free of dirt build-up.
6. Always make sure the rubber dust seal is firmly attached to the chuck and is in position to allow free hammering.

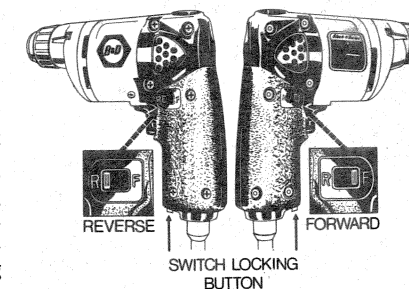
## MOTOR BRUSHES

Your Drill uses the B&D "Checkpoint" brush system. The tool will stop when the brushes wear out (down to about 3/16" long). This prevents damage to the motor. Return tool to a B&D Service Center for brush replacement.

## SWITCHES

The Variable Speed Trigger Switch permits speed control—the farther the trigger is depressed, the higher the speed of the Drill. NOTE: Use lower speeds for starting holes without a center punch, drilling in metal or plastics, driving screws, drilling ceramics, or mixing paint. Higher speeds are better for drilling wood and composition boards, and for using abrasive and polishing accessories.

The Reversing Switch is used for withdrawing bits from tight holes and removing screws at lower speeds. It is located just above the Trigger switch. To reverse the motor, release the trigger FIRST and then push the reversing lever toward "R". After any reversing operation, return switch to forward position by pushing it toward "F".



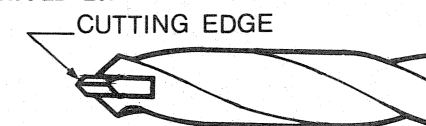
## ACCESSORIES

Recommended accessories for your Hammer Drill are listed below. CAUTION: The use of any other accessory might be hazardous. For safety in use, the following accessories should be used only in sizes up to the maximums shown below:

The accessories listed in this manual are available at extra cost from your local dealer, Black & Decker Service Center, or by writing to Customer Services, Black & Decker (U.S.) Inc., Hampstead, Maryland 21074.

	High Speed	Low Speed
Bits, Metal Drilling up to	5/16"	3/8"
Bits, Wood Drilling up to	1/2"	3/4"
Bits, Concrete Drilling up to	3/8"	9/16"

## CARBIDE-TIPPED BIT



For percussive and rotary drilling in concrete.

Bit Diameter	Approximate Usable Length
3/16"	2-5/8"
1/4"	4-1/4"
9/32"	2-5/8"
5/16"	2-5/8"
3/8"	2-5/8"
7/16"	4-1/4"
15/32"	4-1/4"
1/2"	4-1/4"
9/16"	4-1/4"