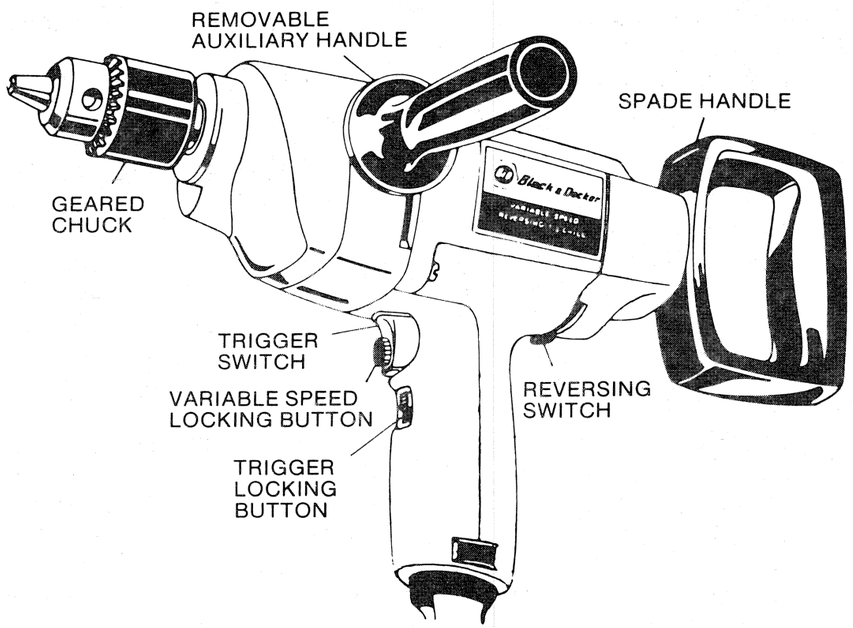
Black & Decker®

OWNER'S MANUAL



You can drill up to ½" in steel, ½" masonry, and 1" in wood with this new Drill. You can use Hole Saws up to 2½" in diameter for cutting holes in wood or composition boards up to ¾" thick. It has the power and performance needed for heavy duty work in the service industry, on the farm or in the home.

Because of its high torque, or twisting power, it is strongly recommended that you hold the Drill with both hands whenever possible. Please read all of the safety rules and instructions carefully, and don't forget to send in the owner registration card.
THANK YOU for buying BLACK & DECKER!

IMPORTANT!
To assure product SAFETY AND RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement) should be performed by Black & Decker Service Centers or other qualified service organizations, always using Black & Decker replacement parts. When servicing Double-Insulated Tools. it is important that ONLY IDENTICAL REPLACEMENT PARTS BE USED and that REASSEMBLY OF TOOL IS IDENTICAL TO THE ORIGINAL ASSEMBLY.

7264
½" DOUBLE INSULATED VARIABLE SPEED REVERSING DRILL

IMPORTANT SAFETY INSTRUCTIONS (FOR ALL TOOLS)

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

READ ALL INSTRUCTIONS

1. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
2. **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.
3. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example: pipes, radiators, ranges, refrigerator enclosures.
4. **KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Do not let visitors contact tool or extension cord.
5. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place — out of reach of children.
6. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
7. **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.
8. **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.
9. **USE SAFETY GLASSES.** Also use face or dustmask if cutting operation is dusty.
10. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
11. **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.
12. **DON'T OVERREACH.** Keep proper footing and balance at all times.
13. **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.
14. **DISCONNECT TOOLS.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.
15. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of

checking to see that keys and adjusting wrenches are removed from tool before turning it on.

16. **AVOID UNINTENTIONAL STARTING.** Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.
17. **OUTDOOR USE EXTENSION CORDS.**When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
18. **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate tool when you are tired.
19. **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 centers. Do not use tool if switch does not turn it on and off.
20. **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.

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 handles to prevent electric shock if you drill into a "live" wire.

SAVE THESE SAFETY RULES FOR FUTURE USE.

MOTOR

Your Black and Decker tool is powered by a B&D-built motor. Be sure your power supply agrees with nameplate marking. **120 Volts 50/60 Hz** means **Alternating Current** (normal 120 volt, 60 cycle house 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 supply line for blown fuses; plug and receptacle for contact.

DOUBLE INSULATION

Your tool is DOUBLE-INSULATED to give you added safety. This means that it is constructed throughout with TWO separate "layers" of electrical insulation or one DOUBLE thickness of insulation between you and the tool's electrical system.

Tools built with this improved insulation system are not intended to be grounded. As a result, your Drill is equipped with a two-prong plug which permits you to use any conventional 120 volt electrical outlet without concern for maintaining a ground connection.

NOTE: DOUBLE-INSULATION does not take the place of normal safety precautions when operating this tool. The improved insulation system is for added protection against injury resulting from a possible electrical insulation failure within the tool.

CAUTION: When servicing Double Insulated Tools, use ONLY IDENTICAL REPLACEMENT PARTS. Replace or repair damaged cords.

EXTENSION CORDS

Double insulated tools have 2 wire cords, and can be used with 2 wire or 3 wire extension cords. Only round jacketed extension cords should be used, and we recommend that they be listed by Underwriters Laboratories (U.L.). 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. The letters "WA" on the cord jacket indicate that the cord is suitable for outdoor use.

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 cord to make up the total length, be sure each individual extension cord contains at least the minimum wire size.

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

CHART FOR MINIMUM WIRE SIZE (AWG) OF EXTENSION CORDS

NAMEPLATE	TOTAL EXTENSION CORD LENGTH - FEET							
RATING - AMPS	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. listed for outdoor use.

SPADE HANDLE

For comfortable handling, or for needed working clearance, you can attach the Spade Handle either horizontally (Figure 3) or vertically (Figure 4). To change the handle position, loosen the holding knob to the point where you can pull back on the handle and rotate it 90°. Then push handle forward and retighten knob.

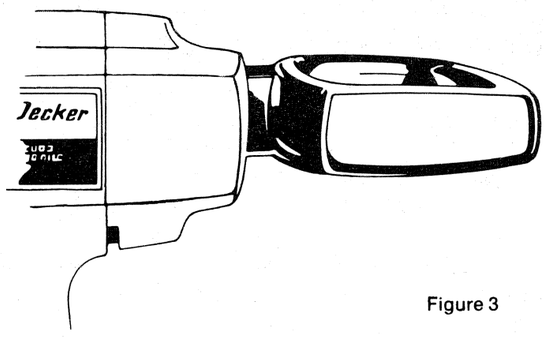


Figure 3

AUXILIARY HANDLE

This handle can be located for convenience or clearance. It screws into the top or either side of the Drill (Figure 5).

CAUTION: Always hold the Auxiliary Handle firmly if there is any chance of the bit binding or locking up in the hole. This is a high-torque Drill — always hold it with both hands when operating.

NOTE: Either the Spade Handle or the Auxiliary Handle can be completely removed from the tool if working clearance is needed.

CAUTION: Both handles should not be removed at the same time as two hands should always be used when operating this Drill.

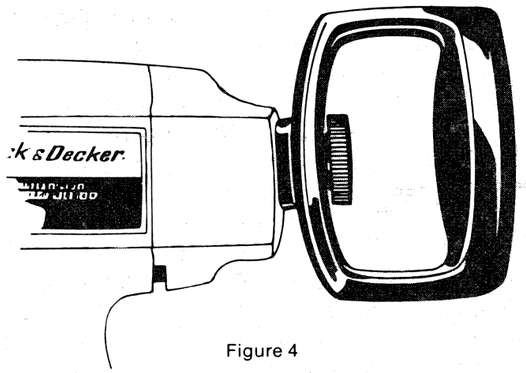


Figure 4

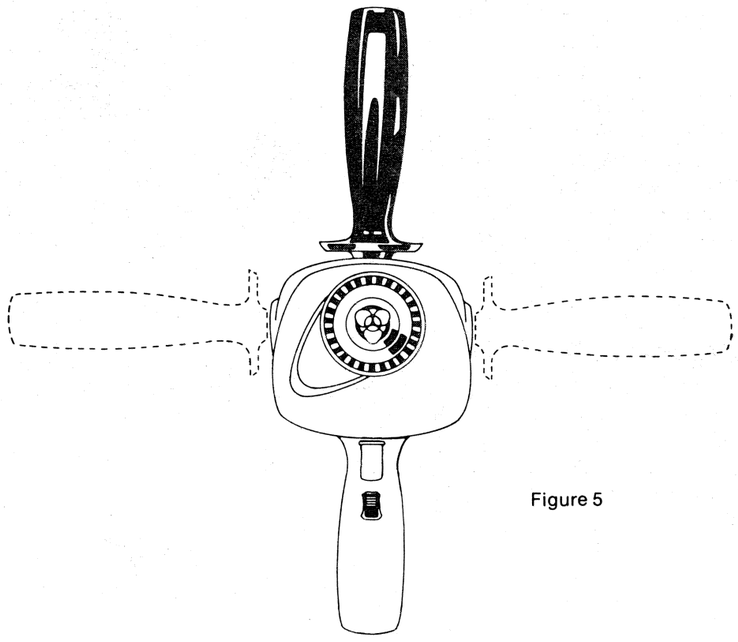


Figure 5

VARIABLE SPEED SWITCH

For a full range of speed, rotate the Variable Speed Locking Button "A," Figure 6, clockwise until it stops. This permits "FREE HAND" speed control—the farther the trigger is depressed, the higher the R.P.M.

To set the trigger switch to produce a selected speed each time it is squeezed, first rotate the button clockwise until it stops. Fully depress trigger, and with the Drill running at highest R.P.M. push up switch locking button "B", Figure 6. Release trigger and the tool will stay "ON." Now, rotate the button counterclockwise and you will notice a decrease in R.P.M. Continue rotating button until desired speed is obtained. To turn Drill "OFF," squeeze trigger and release.

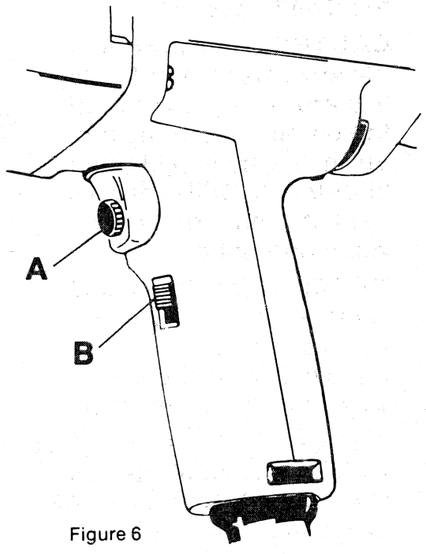


Figure 6

Use lower speeds for STARTING HOLES WITHOUT A CENTER PUNCH, DRILLING IN METAL OR PLASTICS, DRIVING SCREWS, DRILLING CERAMICS. Higher speeds are better for DRILLING WOOD AND COMPOSITION BOARDS, AND FOR USING ABRASIVE AND POLISHING ACCESSORIES.

Do not lock the switch "ON" when drilling by hand so that you can instantly release the trigger switch if the bit binds in the hole.

Be sure to release the switch locking button before disconnecting the plug from the power supply. Failure to do so will cause the tool to start immediately the next time it is plugged in. Damage or injury could result.

REVERSING SWITCH

In order to use the reverse mode, release the trigger to "OFF" and slide the reversing lever as far as it will go in the direction indicated by the arrow. Be sure that you slide it all the way.

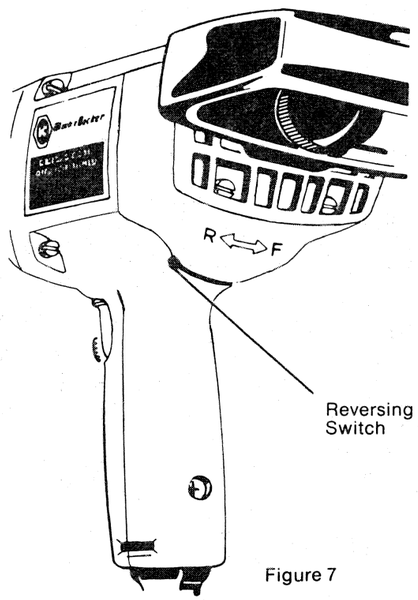


Figure 7

CHUCK and KEY

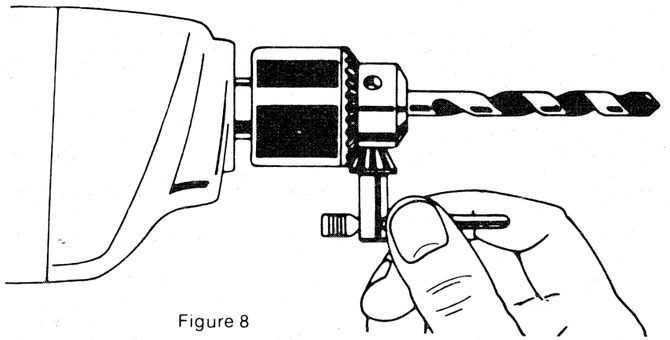
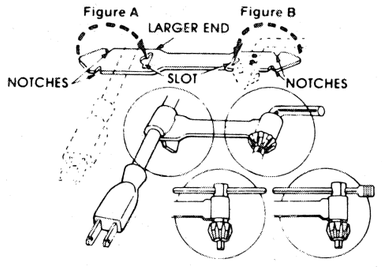


Figure 8

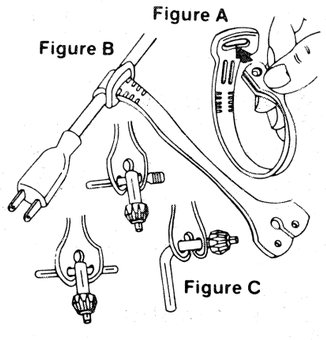
UNPLUG DRILL. Open chuck jaws and insert shank of bit about 1" into chuck. Tighten chuck collar by hand. Place chuck key in each of the three holes, and tighten in clockwise direction. It's important to tighten chuck with all three holes. To release bit, turn chuck key counter-clockwise in just one hole, then loosen chuck by hand.

To remove the chuck from the Drill, for chuck replacement, first unplug the tool. Open the chuck and remove screw in bottom of chuck (left hand thread). Insert the key in the chuck and tap key sharply with a piece of wood in the direction the tool normally rotates. This will loosen the chuck shank threads and the chuck may be unscrewed by hand.

CHUCK KEY HOLDERS (EITHER ONE MAY BE PROVIDED)



1. Wrap larger end of Holder around electric cord and push pointed end through slot until its notches engage (Figure A).
2. In the same manner, attach small end of Holder to Chuck Key as shown in (Figure B).



1. Push double-hole end of Holder through slot in other end of Holder (Figure A).
2. Slip loop over electric plug and draw loop tight around cord (Figure B).
3. Push ends of Chuck Key Handle through two holes in end of Holder (Figure C).

DRILLING

1. Always unplug the Drill when attaching or changing bits or accessories.
2. Use sharp drill bits only. For WOOD, use twist drill bits, spade bits, power auger bits or hole saws. For METAL, use high-speed steel twist drill bits or hole saws. For MASONRY, such as brick, cement, cinder block, etc., use carbide-tipped bits.
3. Be sure the material to be drilled is anchored or clamped firmly. If drilling thin material, use a wood "back-up" block to prevent damage to the material.
4. With Variable Speed Drills you can use a slow speed to start the hole or you can center-punch an indentation at the point to be drilled. This will overcome any tendency of the bit to slip around on a smooth surface. Place the tip of the bit in the indentation and turn motor "ON".
5. Always apply pressure in a straight line with the bit. Use enough pressure to keep drill biting, but do not push hard enough to stall the motor or deflect the bit.
6. Hold drill firmly with both hands, to control the twisting action of the drill.
7. IF DRILL STALLS, it is usually because it is being overloaded or improperly used. RELEASE TRIGGER IMMEDIATELY, remove drill bit from work, and determine cause of stalling. DO NOT CLICK TRIGGER OFF AND ON IN AN ATTEMPT TO START A STALLED DRILL —THIS CAN DAMAGE THE DRILL.
8. To minimize stalling on breaking through the material, reduce pressure on drill and ease the bit through the last fractional part of the hole.
9. Keep the motor running when pulling the bit back out of a drilled hold. This will help prevent jamming.

DRILLING IN METAL

Use a cutting lubricant when drilling metals. The exceptions are cast iron and brass which should be drilled dry. The cutting lubricants that work best are sulphurized cutting oil or lard oil; bacon grease will also serve the purpose.

DRILLING IN WOOD

Holes in wood can be made with the same twist drills used for metal. These bits may overheat unless pulled out frequently to clear chips from the flutes. For larger holes, use Power Drill Wood Bits. Work that is apt to splinter should be backed up with a block of wood.

ACCESSORIES (Available from your dealer at extra cost)

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., 500 Hanover Pike, Hampstead, Maryland 21074.

Recommended accessories for use with your Drill are listed below. (**CAUTION:** The use of any other accessory or attachment might be hazardous). For safety in use, the following accessories should be used only in the sizes specified below:

BITS, METAL DRILLING — Up to ½" diameter.
BITS, MASONRY DRILLING — Up to ½" diameter.
BITS, WOOD DRILLING — Up to 1" diameter.
HOLE SAWS — Up to 2½" diameter in wood.
GRINDING WHEELS — Type I only; up to 2" diameter; up to ½" thick.

CLEANING

Use only mild soap and a damp cloth to clean the tool. Many household cleaners contain chemicals which could seriously damage the plastic. Also, do not use gasoline, turpentine, lacquer or paint thinner, dry cleaning fluids or similar products. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

LUBRICATION

Self lubricating bearings are used in the tool and periodic relubrication is not required. However, it is recommended that, once a year, you take or send the tool to a B&D Service Center for a thorough cleaning, inspection and lubrication of the gear case. Service Center addresses are shown on the card packed with your tool.

HOME USE WARRANTY (A FULL TWO YEAR WARRANTY)

Black & Decker warrants this product for two years against any defects that are due to faulty material or workmanship. Please return the complete unit, transportation prepaid, to the seller (if a participating retailer) for free replacement (proof of purchase may be required). The unit may also be returned to a Black & Decker Service Center or Authorized Service Station, listed under "Tools Electric" in the yellow pages for free replacement or repair at our option. This warranty does not apply to accessories. This warranty gives you specific legal rights and you may have other rights which vary from state to state. Should you have any questions, contact your nearest Black & Decker Service Center Manager.

BLACK & DECKER (U.S.) INC.
Consumer Power Tools Division • 3012 Highwoods Blvd.
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