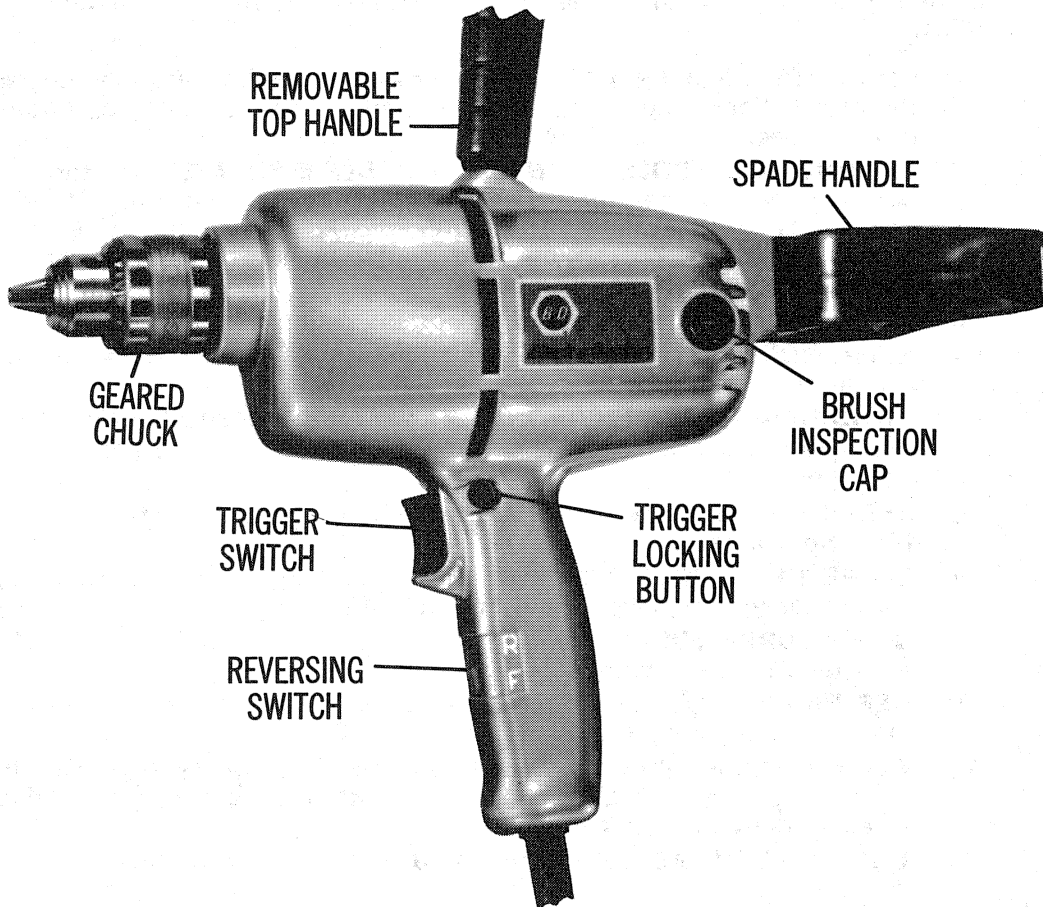


Black & Decker

OWNER'S MANUAL



1/2" REVERSING DRILL #6042

Capacity: 1/2" holes in steel; 1" in hardwood.
120 Volts A.C. 4.2 Amps. 500 RPM.
220 Volts A.C. 2.2 Amps. 500 RPM.

1. IMPORTANT INFORMATION



SAFETY RULES FOR POWER TOOLS

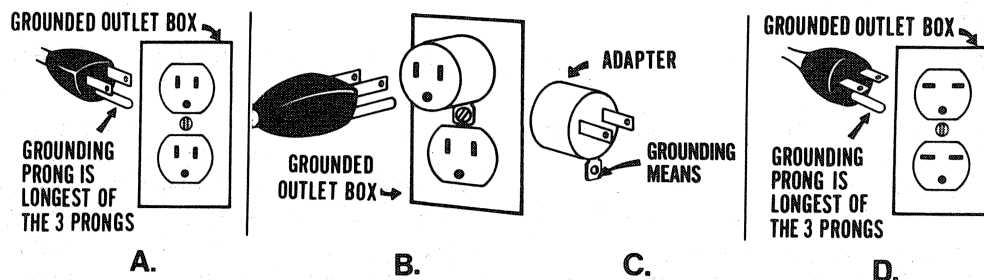
The use of the Safety Seal of the Power Tool Institute assures you that this tool is produced and tested in accordance with applicable national safety standards. Operational safety, however, depends to a great extent upon the user of the tool. Please pay close attention to the following rules.

1. **KNOW YOUR POWER TOOL** — Read owner's manual carefully. Learn its applications and limitations as well as the specific potential hazards peculiar to this tool.
2. **GROUND ALL TOOLS — UNLESS DOUBLE-INSULATED.** If tool is equipped with three-prong plug, it should be plugged into a three-hole electrical receptacle. If adapter is used to accommodate two-prong receptacle, the adapter wire must be attached to a **known ground.** Never remove third prong.
3. **KEEP GUARDS IN PLACE** and in working order.
4. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
5. **AVOID DANGEROUS ENVIRONMENT.** Don't expose power tools to rain. Don't use power tool in damp or wet locations. And keep work area well lit.
6. **KEEP CHILDREN AWAY.** All visitors should be kept safe distance from work area.
7. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, high or locked-up place — out of reach of children.
8. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
9. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy duty tool.
10. **WEAR PROPER APPAREL.** No loose clothing or jewelry to get caught in moving parts. Rubber gloves and footwear are recommended when working outdoors.
11. **USE SAFETY GLASSES** with most tools. Also face or dust mask if cutting operation is dusty.
12. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptable. Keep cord from heat, oil and sharp edges.
13. **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.
14. **DON'T OVERREACH.** Keep proper footing and balance at all times.
15. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp at all times, and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
16. **DISCONNECT TOOLS.** When not in use, before servicing; when changing accessories such as blades, bits, cutters, etc.
17. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
18. **AVOID ACCIDENTAL STARTING.** Don't carry plugged-in tool with finger on switch. Be sure switch is off before plugging in.

2. 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 adapter, Figure 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 Fig. B and C not for use in Canada.



We recommend that you NEVER disassemble the tool or try to do any rewiring in the electrical system. Any such 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. NEVER remove third (longest) prong from plug.

If you use an extension cord, be sure that it is a 3-conductor, grounding type cord. Grounding must be continuous from the tool plug to the grounded receptacle.

EXTENSION CORD

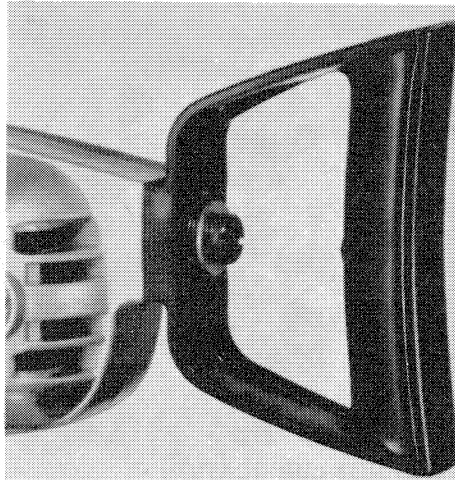
When using this drill at a considerable distance from power source, a 3-wire extension cord of adequate size must be used for safety, and to prevent loss of power and over-heating. For a 120-volt tool, the minimum size of the wires in any extension cord up to 50 feet long must be 18-gauge (American Wire Gauge). From 50 to 100 feet, 16-gauge wire is required throughout the extension. 220-volt tools require a minimum wire size of only 18-gauge in extension cord lengths up to 100 feet long. (NOTE: 16-gauge wire is heavier than 18-gauge wire and will carry current for longer distances without a voltage drop.)

Use only three wire extension cords which have three-prong grounding-type plugs and three-pole receptacles which accept the tool's plug. Replace or repair damaged cords.

3.

SPADE HANDLE

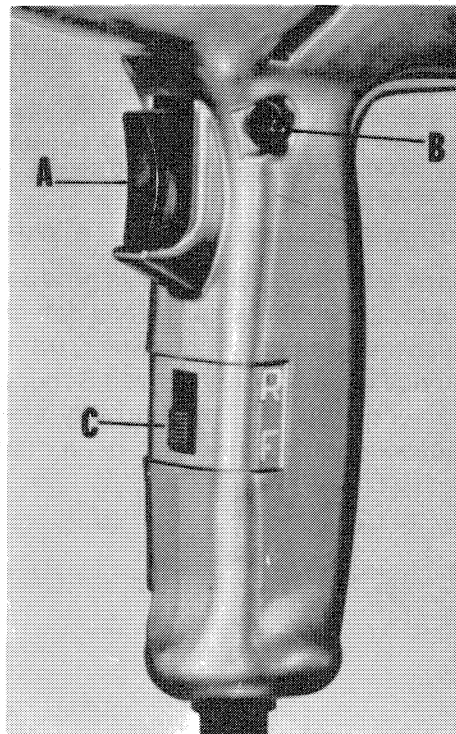
To suit your convenience the SPADE HANDLE may be positioned either vertically (as shown at right) or horizontally (as shown on the front cover of this booklet). To change the position, loosen the holding screw, pull back on the handle and rotate it 90°, push forward on the handle and re-tighten screw.



SWITCH

To start Drill, depress trigger switch "A"; to stop Drill, release the trigger. To lock the trigger switch in the "ON" position for continuous operation, depress trigger and push in locking button "B", then gently release trigger. To release locking mechanism, depress trigger fully, then release it.

Use the reversing switch "C" for smoothly withdrawing self-feed augers or any other bit which might bind in the hole. FIRST, RELEASE THE TRIGGER AS THE REVERSING SWITCH WILL NOT MOVE UNLESS THE TRIGGER SWITCH IS "OFF." DO NOT FORCE THE REVERSING SWITCH BUTTON. Sliding the reversing switch to "R" will reverse rotating direction. Move the switch to "F" (Forward) before starting to drill again.



ACCESSORIES

Recommended accessories for use with your Drill are listed below and in Black & Decker Home Products catalogs [CAUTION: The use of any other accessory or attachment might increase the hazard). For safety in use, the following accessories should be used only in the sizes specified below:

BITS, METAL DRILLING — Up to 1/2" diameter.

BITS, MASONRY DRILLING — Up to 1/2".

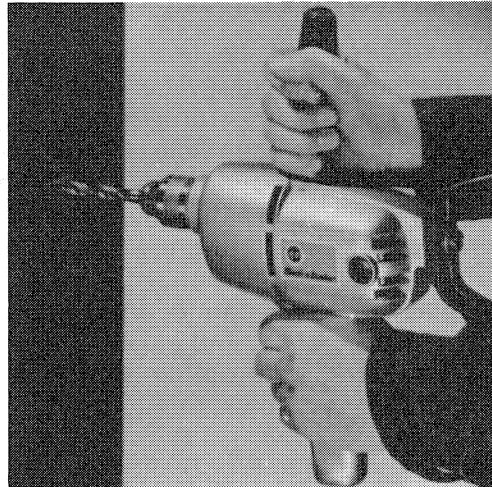
BITS, WOOD DRILLING — Up to 1" diameter.

HOLE SAWS — Up to 2 1/2" diameter.

4. OPERATION

STARTING THE HOLE

A drill bit will slip around on a smooth surface. To overcome this, center punch an indentation at the point to be drilled. Reversing switch should be in forward position. Place chucked drill bit in the indentation and turn drill "ON".



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. Center-punch an indentation at the point to be drilled. This will overcome the 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, using the side handle to help 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 hole. This will help prevent jamming.

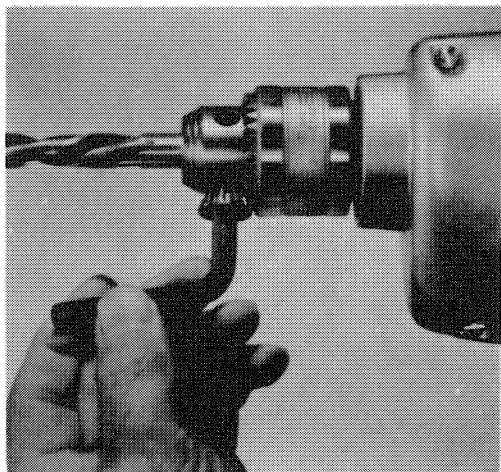
DRILLING IN METAL

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. Aluminum is best drilled with kerosene.

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.

CHUCK



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 counterclockwise 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 sharply in the direction the tool normally rotates. This will loosen the chuck shank threads and the chuck may be unscrewed by hand.

CLEANING & 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 guarantee card packed with your tool.

IMPORTANT

To assure product SAFETY and RELIABILITY, repairs maintenance (including 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.

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 damages caused when repairs have been made or attempted by others.

THE BLACK & DECKER MFG. CO.
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