



3/8" (10mm) Drill

INSTRUCTION MANUAL

Cat. No. 7152

BEFORE RETURNING THIS PRODUCT FOR ANY REASON PLEASE CALL
1-800-54-HOW-TO (544-6986)

IF YOU SHOULD EXPERIENCE A PROBLEM WITH YOUR BLACK & DECKER PURCHASE, CALL 1-800-54-HOW-TO (1-800-544-6986). IN MOST CASES, A BLACK & DECKER REPRESENTATIVE CAN RESOLVE YOUR PROBLEM OVER THE PHONE. IF YOU HAVE A SUGGESTION OR COMMENT, GIVE US A CALL. YOUR FEEDBACK IS VITAL TO THE SUCCESS OF BLACK & DECKER'S QUALITY IMPROVEMENT PROGRAM.

KEY INFORMATION YOU SHOULD KNOW:

- Reversing drills must be switched into forward or reverse in order to operate. They will not run in neutral.
- Securely tighten chuck jaws using all three holes.

SAVE THIS MANUAL FOR FUTURE REFERENCE

VEA EL ESPAÑOL EN LA CONTRAPORTADA.

INSTRUCTIVO DE OPERACIÓN, CENTROS DE SERVICIO Y PÓLIZA DE GARANTÍA. ADVERTENCIA: LEASE ESTE INSTRUCTIVO ANTES DE USAR EL PRODUCTO.

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GENERAL SAFETY RULES

WARNING: Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

WORK AREA

- Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
- 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.
- Keep bystanders, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

- Double insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double insulation eliminates the need for the three wire grounded power cord and grounded power supply system.
- Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.
- Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
- When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W." These cords are rated for outdoor use and reduce the risk of electric shock.

PERSONAL SAFETY

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothing, jewelry, or long hair can be caught in moving parts.
- Avoid accidental starting. Be sure switch is off before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
- Remove adjusting keys or wrenches before turning the tool on. A wrench or key that is left attached to a rotating part of the tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.
- Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOL USE AND CARE

- Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.
- Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.
- Do not use tool if switch does not turn it on or off. Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool. Such preventative safety measures reduce the risk of starting the tool accidentally.
- Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.
- Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.

- Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools.
- Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool, may become hazardous when used on another tool.

SERVICE

- Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
- When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of electric shock or injury.

SPECIFIC SAFETY RULES

- Hold tool by insulated gripping surfaces when performing an operation where the cutting tool 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.

The label on your tool may include the following symbols.

V	..... volts	A	..... amperes
Hz	..... hertz	W	..... watts
min	..... minutes	~	..... alternating current
▣	..... direct current	No	..... no load speed
▣	..... Class II Construction	⊕	..... earthing terminal
⚠	..... safety alert symbol	⊕/min	..... revolutions or per minute

SAFETY WARNINGS AND INSTRUCTIONS: DRILLS

- When drilling or driving into walls, floors or wherever live electrical wires may be encountered, DO NOT TOUCH ANY METAL PARTS OF THE TOOL! Hold the tool only by the plastic handle to prevent shock.
- Do not lock the tool ON when drilling by hand. Refer to Operating Instructions-Switch.
- Hold drill firmly to control the twisting action of the drill. If your drill is equipped with a side handle, always use the side handle.

WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. 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. (CCA)

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.

WARNING: Drill may stall (if overloaded or improperly used) causing a twist. Always expect the stall. Grip the drill firmly to control the twisting action and prevent loss of control which could cause personal injury. If a stall does occur, release the trigger immediately and determine the reason for the stall before re-starting.

- Always unplug the drill when attaching or removing accessories. When attaching accessories in the drill chuck, it is important to securely tighten the chuck using all three holes to prevent slippage. When using a keyless chuck, hand tighten firmly.

SAVE THESE INSTRUCTIONS

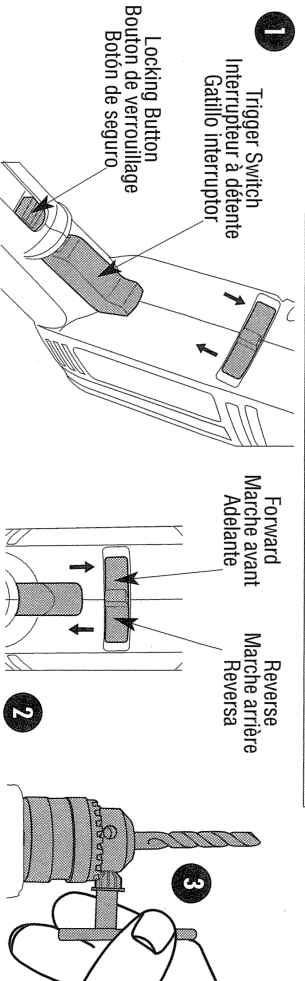
MOTOR

Your Black & Decker tool is powered by a Black & Decker-built motor. Be sure your power supply agrees with nameplate marking: 120 Volts AC only means your drill will operate on standard 60 Hz household power. Do not operate AC tools on DC. A rating of 120 volts AC/DC means that your tool will operate on standard 60 Hz AC or DC power. This information is printed on the nameplate. Lower voltage will cause loss of power and can result in over-heating. All Black & Decker tools are factory-tested; if this tool does not operate, check the power supply.

USE OF EXTENSION CORDS

Make sure the extension cord is in good condition before using. Always use the proper size extension cords with the tool – that is, proper wire size for various lengths of cord and heavy enough to carry the current the tool will draw. Use of an undersized cord will cause a drop in line voltage resulting in loss of power and overheating. For proper size cords see chart below.

Volts	Minimum Gage for Cord Sets	Total Length of Cord in Feet
120V	0-25	26-50
240V	0-50	51-100
More Than	Not more than	American Wire Gage
0	6	18
6	10	18
10	12	16
12	16	14
16	14	12
18	14	Not Recommended



OPERATING INSTRUCTIONS

WARNING: To reduce the risk of serious personal injury, read, understand and follow all important safety warnings and instructions prior to using tool.

SWITCH

To turn the drill ON squeeze the trigger switch. To turn the tool OFF release the trigger switch. The drill can be locked ON (maximum RPM only) for continuous use by squeezing the trigger while pushing up on the locking button (Fig. 1). Hold the locking button up while you release the trigger switch and then release the locking button. The drill will continue to run. To turn the drill OFF from a locked ON condition, squeeze and release the trigger

WARNING: The drill should only be locked ON when it is held stationary in a drill press stand or other means: NOT BY HAND! Never unplug the tool with the locking feature engaged. To do so will cause the tool to start immediately the next time it is plugged in.

REVERSING

With the trigger switch released, slide the reversing switch, (Fig. 2) to align with the arrow pointing forward for drilling or toward the arrow pointing backward for running in reverse.

After all reversing operations, switch the tool to the forward running mode.

NOTE: WHEN THE REVERSING SWITCH IS IN NEUTRAL THE DRILL WILL NOT OPERATE. DO NOT FORCE TRIGGER. SELECT FORWARD OR REVERSE BEFORE TURNING DRILL ON.

CHUCK & KEY

Turn chuck key counterclockwise to open chuck jaws, place bit in chuck as far as it will go and then pull it out far enough so that the chuck jaws do not touch the flutes of the bit. Tighten chuck collar by hand. Place chuck key in each of the three holes, and tighten in clockwise direction (Figure 3). It's important to tighten the chuck with all three holes to prevent bit slippage. To release bit, turn chuck key counterclockwise in just one hole, then continue to loosen chuck by hand.

DRILLING

- Always unplug the drill when attaching or removing accessories. When attaching accessories in the drill chuck, it is important to securely tighten the chuck using all three holes to prevent slippage. When using a keyless chuck, hand tighten firmly.
- Use sharp drill bits only.
- Support and secure work properly, as instructed in the Safety Instructions.
- Use appropriate and required safety equipment, as instructed in the safety instructions.
- Secure and maintain work area, as instructed in the safety instructions.

