

Operator's Manual

Companion

3/8-in. Electric Drill Reversible

Model No.
320.10191



⚠ CAUTION: Read, understand and follow all Safety Rules and Operating Instructions in this manual before using this product.

- SAFETY
- OPERATION
- MAINTENANCE

Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.

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ONE FULL YEAR WARRANTY ON COMPANION ELECTRIC DRILL

If this Companion Electric Drill fails due to a defect in material or workmanship within one year from the date of purchase, **RETURN IT TO THE NEAREST SEARS STORE IN THE UNITED STATES**, and Sears will replace it, free of charge.

This warranty is void if this tool is used for commercial or rental purposes.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sears, Roebuck and Co., Dept.817WA, Hoffman Estates, IL 60179

SAVE THESE INSTRUCTIONS!
READ ALL INSTRUCTIONS!

RULES FOR SAFE OPERATION

WORK AREA SAFETY

1. **ALWAYS** keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.
2. **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.
3. **ALWAYS** keep bystanders, children and visitors away while operating a power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

1. 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.
2. Double insulation eliminates the need for the three-wire grounded power cord and grounded power supply system. Applicable only to Class II (double insulated) tools.
3. Before plugging in the tool, **BE SURE** that the outlet voltage supplied is within the voltage marked on the tool's data plate. **DO NOT** use "AC only" rated tools with a DC power supply.
4. **ALWAYS** 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.
5. If operating the power tool in damp locations is unavoidable, **ALWAYS** use a Ground Fault Circuit Interrupter to supply power to your tool. **ALWAYS** wear electrician's rubber gloves and footwear in damp conditions.
6. **DO NOT** expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
7. **DO NOT** abuse the cord. **NEVER** use the cord to carry the tools or pull the plug from the outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
8. When operating a power tool outside, **ALWAYS** use an outdoor extension cord marked "W-A" or "W". These cords are rated for outdoor use and reduce the risk of electric shock.

NOTE: The extension cord must have adequate wire size AWG (American Wire Gauge) for safe, efficient use. Smaller gauge wires have greater capacity (16 gauge wire has more capacity than 18 gauge wire).

RULES FOR SAFE OPERATION cont.

SAFETY SYMBOLS

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols, and the explanations with them, deserve your careful attention and understanding. The safety warnings **DO NOT** by themselves eliminate any danger. The instructions and warnings they give are no substitutes for proper accident prevention measures.

SYMBOL MEANING



SAFETY ALERT SYMBOL: Indicates danger, warning or caution. May be used in conjunction with other symbols or pictographs.



DANGER: Failure to obey a safety warning will result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.



WARNING: Failure to obey a safety warning can result in serious injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.



CAUTION: Failure to obey a safety warning may result in property damage or personal injury to yourself or to others. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury.

NOTE: Advises you of information or instructions vital to the operation or maintenance of the equipment.

PERSONAL SAFETY

1. **ALWAYS** 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.
2. **ALWAYS** dress properly. **DO NOT** wear loose clothing or jewelry. Pull back long hair. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
3. **ALWAYS** avoid accidental starting. **BE SURE** switch is in the "Off" position before plugging in. **DO NOT** carry tools with your finger on the switch. Carrying tools with your finger on the switch or plugging in tools that have the switch in the "On" position invites accidents.
4. **ALWAYS** remove adjusting keys or wrenches before turning the tool "On". A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
5. **DO NOT** overreach. **ALWAYS** keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.
6. **ALWAYS** use safety equipment. Always wear eye protection.

RULES FOR SAFE OPERATION cont.

TOOL USE AND CARE SAFETY

1. **ALWAYS** use clamps or other practical ways 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.
2. **DO NOT** force tool. Use the correct tool and drill bit for your application. The correct tool and drill bit will do the job better and safer at the rate for which it is designed.
3. **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.
4. **ALWAYS** disconnect the plug from the power source before making any adjustments, changing accessories or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.
5. **ALWAYS** store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.
6. **ALWAYS** 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.
7. **ALWAYS** 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.
8. **ALWAYS** use only accessories that are recommended for this tool. Accessories that may be suitable for one tool may become hazardous when used on another tool.
9. **Use only accessories recommended for this tool that are sold by Sears or a Craftsman outlet.** Use of any accessories purchased elsewhere may be hazardous.

SAFETY RULES FOR ELECTRIC DRILLS

DANGER! Keep hands away from drilling area and drill bit. Do not reach under the material being drilled.

1. **ALWAYS** keep your body positioned to either side of the drill, but not in line with the drill bit.
2. **DO NOT** reach underneath the work.
3. **ALWAYS** clamp workpiece before drilling. Never hold a workpiece in your hand or legs. Small or thin material may flex or vibrate with the drill bit, causing loss of control.
4. **NEVER** touch the drill bit after use. It may be hot after prolonged use.
5. **ALWAYS** hold tool by insulated gripping surfaces when performing an operation where the tool may contact hidden wiring or its own cord. Contact with a "live" wire will make the exposed metal parts of the tool "live" and shock the operator.
6. **ALWAYS** use drill bits that are of a correct size and shape. Drill bits that do not fit the chuck jaws of the electric drill will perform erratically and will cause loss of control.
7. **ALWAYS BE SURE** that all chuck adjustments have been made and that the drill bit is fastened tightly **BEFORE** drilling. Loose drill bits can cause the tool to slip, and loss of control may result.

RULES FOR SAFE OPERATION cont.

ADDITIONAL RULES FOR SAFE OPERATION cont.

⚠ WARNING: BE SURE to read and understand all instructions in this manual before using the electric drill. Failure to follow all instructions may result in hazardous radiation exposure, electric shock, fire and/or serious personal injury.

1. Know your power tool. Read this operator's manual carefully. Learn the applications and limitations, as well as the specific potential hazards related to this tool. Following this rule will reduce the risk of electric shock, fire or serious injury.
2. **ALWAYS** wear safety glasses or eye shields when using this electric drill. Everyday eyeglasses have only impact-resistant lenses; they are **NOT** safety glasses. Following this rule will reduce the risk of serious personal injury.
3. **ALWAYS** protect your lungs. Wear a face mask or dust mask if the operation is dusty. Following this rule will reduce the risk of serious personal injury.
4. **ALWAYS** protect your hearing. Wear hearing protection during extended periods of operation. Following this rule will reduce the risk of serious personal injury.
5. **ALWAYS** inspect the tool cords periodically and if damaged have them repaired at your nearest Sears Service Center or other Authorized Service Facility. **ALWAYS** be aware of the cord location. Following this rule will reduce the risk of electric shock or fire.
6. **ALWAYS** check for damaged parts. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine if it will operate properly and perform its intended function. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the tool's operation. A guard or other part that is damaged should be properly repaired or replaced at a Sears Service Center. Following this rule will reduce the risk of electric shock, fire or serious injury.
7. **DO NOT** abuse the cord. **NEVER** use the cord to carry the tool or pull the plug from the outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock. Following this rule will reduce the risk of electric shock or fire.
8. **ALWAYS** make sure that your extension cord is in good condition. When using an extension cord be sure to use one that is heavy enough to carry the current that your tool will draw. A wire gauge (AWG) of at least 14 is recommended for an extension cord 25 feet or less in length. When working outdoors, **ALWAYS** use an extension cord that is suitable for outdoor use. The cord's jacket will be marked WA. Smaller gauge wires, have greater capacity (16 gauge wire has more capacity than 18 gauge wire). An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating.
9. **ALWAYS** inspect and remove all nails from lumber before drilling. Following this rule will reduce the risk of serious personal injury.
10. **DO NOT** use the tool while tired or under the influence of drugs, alcohol or any medication. Following this rule will reduce the risk of electric shock, fire or serious personal injury.
11. **SAVE THESE INSTRUCTIONS.** Refer to them frequently and use them to instruct others who may use this tool. If someone borrows this tool, make sure they have these instructions also.

RULES FOR SAFE OPERATION cont.

ADDITIONAL RULES FOR SAFE OPERATION cont.



⚠ WARNING: The operation of any electric tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, **ALWAYS** wear safety goggles or safety glasses with side shield and a full face shield when needed. We recommend A Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shield, available at Sears Retail Stores.

⚠ WARNING: Some dust particles created by power sanding, sawing, grinding, drilling and other construction jobs 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.
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending upon how often you do this type of work. To reduce your exposure to these chemicals:

- Work in a well-ventilated area.
- Work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

The label on your tool may include the following symbols.

V.....	Volts
A.....	Amperes
Hz.....	Hertz
W.....	Watts
min.....	Minutes
~	Alternating current
n ₀	No-load speed
☐.....	Class II construction
RPM.....	Revolutions or Strokes per minute
⚠.....	Indicates danger, warning or caution. It means attention! Your safety is involved.

IMPORTANT! READ ALL INSTRUCTIONS

UNPACKING

Your electric drill has been shipped completely assembled except for the 5 assorted drill bits which are packaged in a plastic bag. Inspect the tool carefully to make sure that no breakage or damage has occurred during shipping. If any parts are damaged or missing, return the electric drill to your nearest Sears Store to have it replaced.

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

⚠ WARNING: Your electric drill should **NEVER** be connected to a power source when you are assembling parts, making adjustments, installing or removing drill bits, cleaning or when it is not in use. Disconnecting the tool will prevent accidental starting that could cause serious personal injury.

DESCRIPTION

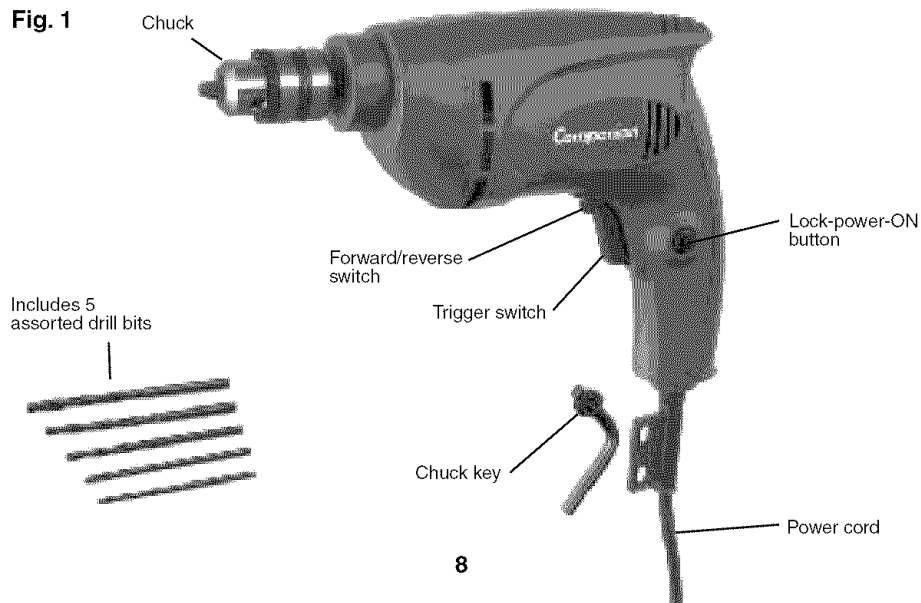
KNOW YOUR ELECTRIC DRILL (See Fig.1)

Before attempting to use your drill, familiarize yourself with all operating features and safety requirements.

Your electric drill has many built-in convenience features for fast, efficient drilling.

⚠ WARNING: BE SURE to read and understand all instructions in this manual before using this electric drill. Failure to follow all instructions may result in hazardous radiation exposure, electric shock, fire and/or serious personal injury.

Fig. 1



DESCRIPTION cont.

PRODUCT SPECIFICATIONS

Input	4.0 Amps
No-load speed	2500 RPM
Rating	120 volts, 60Hz AC
Chuck capacity	3/8 in. (9.5 mm) keyed chuck (1/16 in. to 3/8 in. maximum bit capacity)
Cord length	6 ft. (1.83 m)
Trigger switch	Single-speed
Forward/reverse switch	Reversible operation

APPLICATIONS

(Use only for the purposes listed below)

- Drilling in wood
- Drilling in ceramics, plastics, fiberglass and laminates
- Drilling in both hard and soft metals
- Using driving accessories, such as driving screws with screwdriver bits
- Mixing paints with appropriate tool
- Using buffing wheels, sanding drums, wire wheels, hole saws and other accessories (sold separately) with arbors (3/8-in. or less in diameter) specifically designed for use with your electric drill

OPERATION

⚠ WARNING: ALWAYS disconnect your drill from the power source when replacing drill bits, appropriate tools, cleaning or when not in use. Disconnecting the drill will prevent accidental starting that could cause serious personal injury.

TRIGGER SWITCH

To turn drill ON, squeeze the trigger switch (see Fig. 1, page 8).

To turn drill OFF, release trigger switch.

LOCK-POWER-ON BUTTON (see Fig. 1)

Your drill has a power lock-on feature which is convenient for continuous drilling.

To lock power ON, squeeze trigger switch to start the drill, then push in and hold the lock-power-ON button, then release trigger switch. Release lock-power-ON button and drill will continue running.

To release the power-lock-ON button, squeeze trigger switch and release.

If you have the lock-power-ON feature engaged and the drill becomes disconnected from the power supply, disengage the lock-power-ON button immediately.

OPERATION cont.

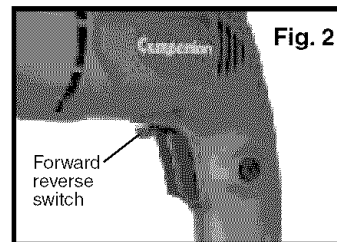
⚠ WARNING: ALWAYS wear safety goggles or safety glasses with side shields when operating your electric drill. Failure to do so could result in foreign objects being thrown into your eyes resulting in possible serious eye damage.

⚠ WARNING: ALWAYS wear an appropriate dust mask and hearing protection when using your electric drill.

⚠ CAUTION! Clamp or otherwise secure your workpiece to prevent it from moving under the drill while being drilled. Unsecured workpiece could be thrown toward the operator causing injury.

FORWARD/REVERSE SWITCH (see Fig. 2)

Your drill is reversible. The forward/reverse switch is conveniently mounted in front of the trigger switch under the motor housing (see Fig. 1). To make the drill rotate clockwise (for drilling), push the forward/reverse switch to the right. To make the drill rotate counterclockwise to remove screws, push the forward/reverse switch to the left.

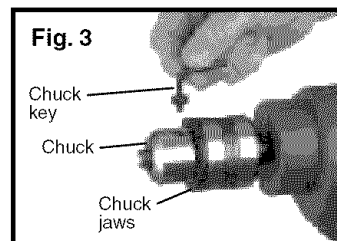


Note: Never change position of the forward/reverse switch while chuck is turning.

⚠ WARNING: ALWAYS disconnect your drill from the power source when replacing drill bits, tools, cleaning or when not in use. Disconnecting the drill will prevent accidental starting that could cause serious personal injury.

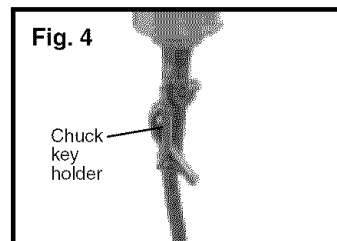
CHUCK KEY (see Fig. 3)

The chuck key for your drill is designed to secure the drill bit as firmly as possible in the chuck jaws. It is also used to loosen the chuck jaws to remove the drill bit. See Fig. 3 for placement of chuck key into chuck.



CHUCK KEY HOLDER (see Fig. 4)

When not in use, the chuck key can be conveniently stored in the chuck key holder. To remove chuck key from chuck key holder, bend the chuck key holder and remove the chuck key.



OPERATION cont.

DRILL BITS AND ACCESSORIES

Your drill can accept drill bits and accessories with shafts and arbors 3/8 in. or less in diameter. These can include:

- Standard drill bits for wood and metal
- Power wood bits
- Hole saws
- Masonry bits
- Wire brushes
- Sanding drums
- Buffing wheels

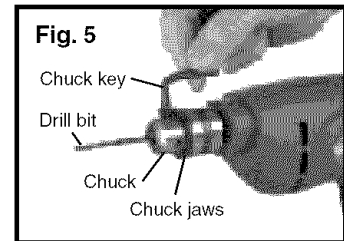
Be sure the drill bits and accessories you use are designed for use with electric

⚠ WARNING: ALWAYS disconnect your drill from the power source when installing drill bits, tools, cleaning or when not in use. Disconnecting the drill will prevent accidental starting that could cause serious personal injury.

INSTALLING DRILL BITS AND ACCESSORIES (see Fig. 5)

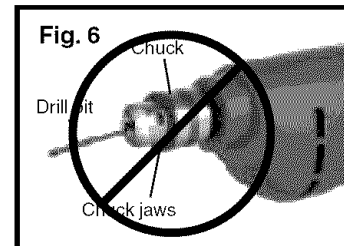
1. Unplug your drill.

⚠ WARNING: Failure to unplug the drill could result in accidental starting causing possible serious personal injury.



2. Rotate chuck to open or close the chuck jaws so that the opening is slightly larger than the shaft of the drill bit you intend to use. Raise the front of your drill slightly to prevent the drill bit from falling out of the chuck jaws.
3. Insert the drill bit into the chuck jaws the full depth of the jaws.
4. Insert chuck key into one of the 3 holes in the chuck body. Rotate chuck key clockwise until the drill bit is held firmly in place by the chuck jaws. **DO NOT** use a wrench on the chuck key or you may damage the chuck key or chuck.

⚠ WARNING: DO NOT insert drill bit into chuck and tighten as shown in Fig. 6. Drill bit **MUST** be properly inserted with all three chuck jaws holding the bit centered in the chuck. Failure to properly insert drill bit could cause the drill bit to be thrown from the chuck during operation resulting in possible serious injury or damage to the chuck.



⚠ WARNING: ALWAYS disconnect your drill from the power source when replacing drill bits, tools, cleaning or when not in use. Disconnecting the drill will prevent accidental starting that could cause serious personal injury.

OPERATION cont.

REMOVING DRILL BITS

1. Unplug your drill.

⚠ WARNING: Failure to unplug the drill could result in accidental starting causing possible serious personal injury.

2. Insert chuck key into one of the 3 holes in the chuck body. Rotate chuck key counterclockwise until the chuck jaws release the drill bit. **DO NOT** use a wrench on the chuck key or you may damage the chuck key or chuck.

3. Remove the drill bit.

⚠ WARNING: Have you read “RULES FOR SAFE OPERATION”, on pages 3 through 7 of this Operator’s Manual?

If not, please do it now before you operate this drill. Your safety depends on it! Every time you use the drill, be sure to verify the following:

1. Chuck jaws are tight and securing the drill bit firmly.
2. Drill power cord is not damaged.
3. Drill bit is the correct type for the material being drilled.
4. Drill bit is in good condition, properly installed and securely tightened.
5. Chuck key is removed from the chuck collar.
6. Safety glasses and dust mask are being worn.

Failure to follow these safety rules can greatly increase your chances of injury

⚠ WARNING: ALWAYS wear safety goggles or safety glasses with side shields when operating your drill. Failure to do so could result in foreign objects being thrown into your eyes resulting in possible serious eye damage.

⚠ WARNING: ALWAYS wear an appropriate dust mask and hearing protection when using your drill.

⚠ CAUTION! Clamp or otherwise secure your workpiece to prevent it from moving under the drill while being drilled. Unsecured workpiece could be thrown toward the operator causing injury.

GENERAL DRILLING TIPS

⚠ WARNING: Keep hands and fingers away from the area between the motor housing and chuck. **DO NOT** reach underneath the workpiece while drill is operating.

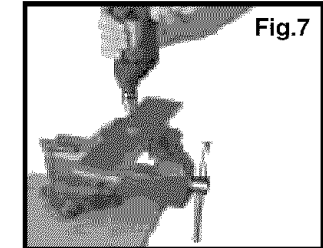
You can use your drill with various materials such as, soft and hard wood, plywood, plastics, metals, ceramics, laminates and masonry. **BE SURE** your drill bit is specified for use with such materials. You can also use your drill with a variety of accessories such as, buffing wheels, sanding drums, wire wheels, hole saws and other accessories specified for use with electric power drills.

OPERATION cont.

GENERAL DRILLING TIPS cont.

When drilling in smooth, hard surfaces (such as metal and hardwoods), use a center punch (sold separately) to mark the desired hole location. This will prevent the drill bit from slipping off center as the hole is started.

The workpiece to be drilled should be secured in a vise or clamped to a work surface to keep it from turning as the drill bit rotates (see Fig. 7).



⚠ CAUTION! DO NOT force the drill bit against the material you are drilling. The motor may overheat and break the drill bit. If the drill bit breaks, it must be replaced with a new drill bit.

⚠ WARNING: ALWAYS CLAMP WORKPIECE. Failure to clamp workpiece could result in workpiece being thrown or kicked back causing serious personal injury.

1. Check drill bit to make sure it is firmly locked in the chuck jaws of the drill.
2. Check that the forward/reverse switch is in the forward position.
3. Hold the drill firmly with both hands whenever possible. Use one hand to grasp the handle and trigger switch and the other to grasp the body of the drill.

NOTE: Make sure the hand placed on the body of the drill does NOT COVER the air vents. Covering the air vents will reduce motor cooling and possibly lead to motor overheating.

4. Holding the drill firmly, place the point of the drill bit at the point to be drilled. Squeeze the trigger to start the drill.
5. Move the drill bit into the workpiece, applying only enough pressure to keep the bit cutting. Let your drill and the drill bit do the work. Do not force the drill bit or apply sideways pressure which will elongate the hole.

⚠ WARNING: Be prepared for drill bit binding or breakthrough. When these situations occur, the drill bit tends to grab the workpiece and kick the drill in the opposite direction of drill bit rotation. If you are not prepared, the resulting loss of control when binding or breaking through the material could result in possible serious injury.

When drilling metals, use a light oil on the drill bit to keep it from overheating. The oil will prolong the life of the drill bit and enhance drill bit cutting action. If the drill bit jams in the workpiece or if the drill stalls, immediately release the trigger switch. Remove the drill bit from the workpiece and determine the cause of the jamming.

⚠ WARNING: ALWAYS disconnect your drill from the power source when removing the chuck assembly, replacing drill bits, tools, cleaning or when not in use. Disconnecting the drill will prevent accidental starting that could cause serious personal injury.

OPERATION cont.

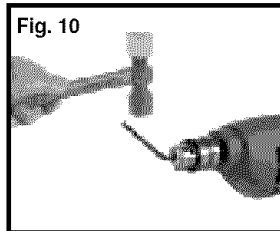
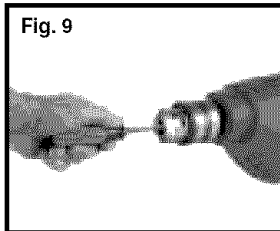
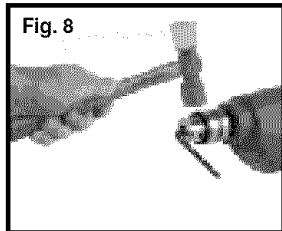
CHUCK REMOVAL

The entire chuck assembly must be removed from the drill in order to use some accessories. To remove the entire chuck assembly:

1. Unplug your drill.

⚠ WARNING: Failure to unplug the drill could result in accidental starting causing possible serious personal injury.

2. Insert a 5/16-in. (6 mm) or larger hex key (sold separately) into the chuck and tighten the chuck jaws securely. Make sure each of the three chuck jaws is seated on a flat surface of the hex key (see Fig. 8).
3. Tap the hex key sharply with a mallet in a CLOCKWISE direction. This action will loosen the screw in the chuck for easier removal.
4. Open the chuck jaws and remove the hex key.
5. Open the chuck jaws as wide as possible using the chuck key.
6. Insert a #2 Phillips screwdriver (sold separately) into the chuck jaws to the base of the chuck assembly and remove the chuck screw that holds the chuck assembly in place. **NOTE:** Turn the screw CLOCKWISE to remove it; this screw has a left-hand thread (see Fig. 9).
7. Insert hex key into chuck assembly and tighten chuck jaws securely (see Fig. 10). Tap the hex key sharply with a mallet (sold separately), this time in a COUNTERCLOCKWISE direction. This action will loosen the chuck assembly on the spindle of the drill. The chuck assembly can now be unscrewed by hand and removed from the spindle.



⚠ WARNING: ALWAYS disconnect your drill from the power source when removing the chuck assembly, replacing drill bits, tools, cleaning or when not in use. Disconnecting the drill will prevent accidental starting that could cause serious personal injury.

OPERATION cont.

REPLACING AND/OR TIGHTENING LOOSE CHUCK

After reinstalling the chuck assembly once it has been removed, the chuck assembly may become loose on the spindle and develop a wobble. Also, the chuck screw may become loose, causing the chuck jaws to bind and preventing them from closing completely. To tighten the chuck assembly to the spindle:

1. Insert a 5/16-in. (6 mm) or larger hex key (sold separately) into the chuck jaws and tighten securely. Make sure each of the three chuck jaws is seated on a flat surface of the hex key.
2. Tap the hex key sharply with a mallet (sold separately) in a CLOCKWISE direction (see Fig. 8). This action will tighten the chuck assembly on the spindle.
3. Open the chuck jaws and remove the hex key.
4. Insert a #2 Phillips screwdriver (sold separately) into the chuck jaws to the base of the chuck assembly and turn the screw COUNTERCLOCKWISE to tighten it. This screw has a left-hand thread.

MAINTENANCE

SERVICE

⚠ WARNING: Preventive maintenance performed by unauthorized personnel may result in misplacing of internal wires and components, which could cause a serious hazard.

1. When servicing a tool, use only identical replacement parts. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electrical shock or serious personal injury.
2. All service that requires opening the drill **MUST** only be performed by a Sears Service Center. All motor parts represent an important part of the double insulation system and **MUST** only be serviced by a Sears Service Center. Service performed by unqualified personnel could result in a risk of injury.
3. **DO NOT** use solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, carbon dust, etc.

MAINTENANCE cont.

GENERAL

⚠ WARNING: To avoid accidents, **ALWAYS** disconnect the tool from the power source **BEFORE** cleaning or performing any maintenance.

⚠ WARNING: **DO NOT** at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc. to come in contact with plastic parts. They contain chemicals that can damage, weaken or destroy plastic.

⚠ WARNING: **DO NOT** abuse power tools. Abusive practices can damage the tool as well as the workpiece.

⚠ WARNING: **DO NOT** attempt to modify this sander or create accessories not recommended for this sabre saw. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious injury. It will also void the warranty.

Electric tools are subject to accelerated wear and possible premature failure when they are used to work on fiberglass boats and sports cars, wallboard, spackling compounds or plaster. The chips and grindings from these materials are highly abrasive to electrical tool parts, such as bearings, brushes, commutators, etc. Consequently, it is not recommended that this tool be used for extended work on any fiberglass material, wallboard, spackling compound, or plaster. During any use on these materials, it is extremely important that the tool is cleaned frequently by blowing with an air jet.

LUBRICATION

All of the bearings in this tool are lubricated with a sufficient amount of high-grade lubricant for the life of the tool under normal operating conditions. Therefore, no further lubrication is required.

⚠ WARNING: **ALWAYS** wear safety goggles or safety glasses with or side shields when using this tool or blowing dust. If operation is dusty, also wear a dust mask.

DOUBLE INSULATION

Double insulation is a concept in safety in electric power tools which eliminates the need for the standard 3-wire grounded power cord. All exposed metal parts are isolated from the internal motor components with protecting insulation. Double insulated tools do not need to be grounded.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Will not start when trigger switch is squeezed	Check to be sure power cord is connected to power source and that power source (outlet) is operable	Connect to power source. Confirm power source (outlet) is operable
Will not drill	Check drill bit and chuck jaws	Replace drill bit if dull or worn; tighten chuck jaws to firmly secure drill bit
Motor overheating	Be sure cooling vents are free from saw dust and obstacles	Clean, clear vents. Do not cover with hand during operation

ACCESSORIES

The following recommended accessories are currently available at your local Sears Store.

⚠ WARNING: The use of recommended attachments or accessories not sold by Sears might be dangerous and could result in serious injury.

EXTENSION CORDS

Sears offers a large selection of extension cords that help extend your working range. The use of any extension cord will cause some loss of power. To keep the loss to a minimum and to prevent overheating, use an extension cord that is heavy enough to carry the current that the tool will draw.

A wire gauge (AWG) of at least 14 is recommended for an extension cord 25 feet or less in length. When working outdoors **ALWAYS** use an extension cord that is suitable for outdoor use. The cord's jacket will be marked WA.

⚠ CAUTION! Keep extension cords away from the cutting area and position the cord so it will not get caught on lumber, tools, etc. during the cutting operation.

⚠ WARNING: Check extension cords before each use. If damaged, replace it immediately. **NEVER** use a tool with a damaged extension cord because touching the damaged area could cause electrical shock resulting in serious injury.

DRILL BITS AND OTHER ACCESSORIES FOR USE WITH YOUR 3/8-in. DRILL

Sears has a large selection of standard drill bits for both wood and metal, power wood bits, hole saws, masonry bits, wire brushes, sanding wheels and buffing wheels for use with a variety of materials and in many applications.

Sears also has a selection of approved safety equipment such as safety glasses, safety goggles, face shields, dust masks and respirators for all your workplace needs.

Get it fixed, at your home or ours!

Your Home

For repair **in your home** of all major brand appliances, lawn and garden equipment, or heating and cooling system, **no matter who made it, no matter who sold it!**

For the replacement parts, accessories and owner's manuals that you need to do-it-yourself.

For Sears professional installation of home appliances and the items like garage door openers and water heaters.

1-800-4-MY-HOME®
(1-800-469-4663)
www.sears.com

Anytime, day or night
(U.S.A. and Canada)
www.sears.com

Our Home

For repair of carry-in products like vacuums, lawn equipment, and electronic, call or go on-line for the nearest **Sears Parts and Repair Center.**

1-800-488-1222 Anytime, day or night (U.S.A.)
www.sears.com

To purchase a protection agreement (U.S.A.) or maintenance agreement (Canada) on a product serviced by Sears:

1-800-827-6655 (U.S.A.) **1-800-361-6665** (Canada)

Para pedir servicio de reparación a domicilio, y para ordenar piezas:

1-888-SU-HOGARSM
(1-888-784-6427)

Au Canada pour service en français:

1-800-LE-FOYER^{MC}
(1-800-533-6937)
www.sears.ca



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