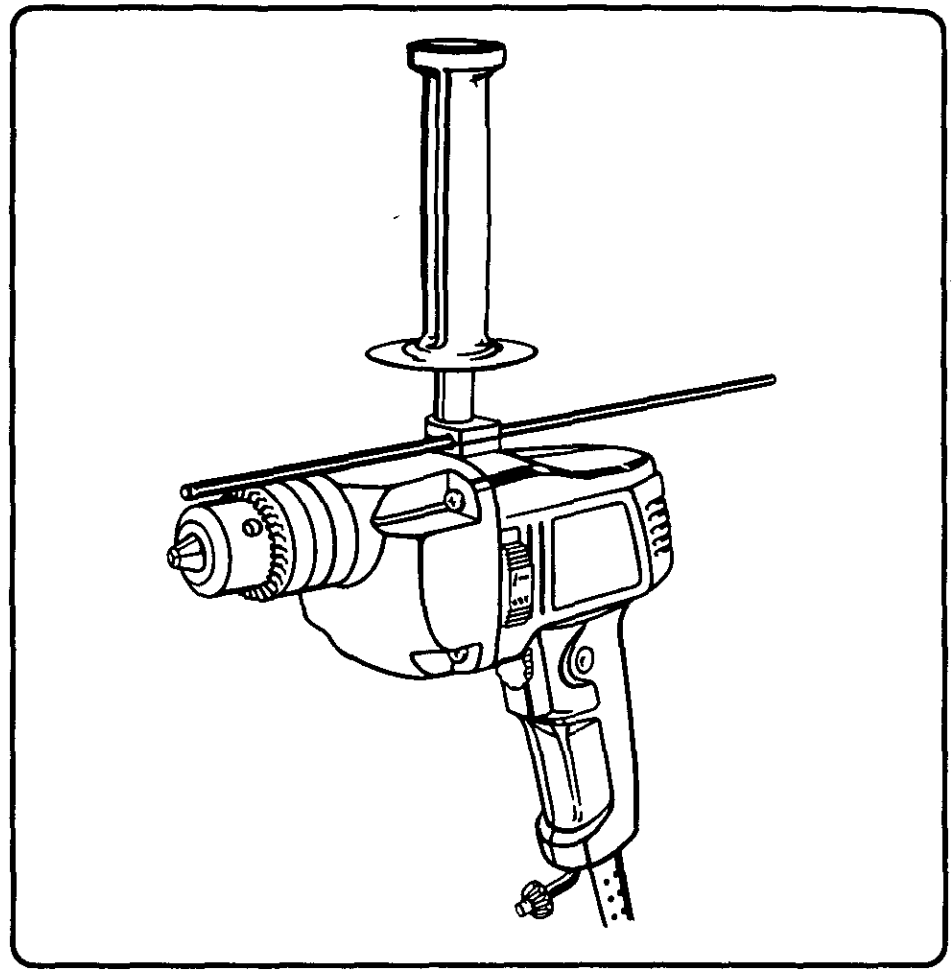
SEARS

OWNER'S MANUAL

MODEL NO. 315.101390



CAUTION: Read and follow ALL safety rules and instructions before operating this equipment.

SAVE THIS MANUAL FOR FUTURE REFERENCE

Thank You for Buying A Craftsman Hammer Drill

CRAFTSMAN®

1/2 Inch Hammer Drill

DOUBLE INSULATED

Rules for Safe Operation
Warranty
Operation
Maintenance
Repair Parts

SEARS, ROEBUCK AND CO., Hoffman Estates, IL 60179 U.S.A.

972000-148
9-00

Printed In U.S.A.

RULES FOR SAFE OPERATION

DOUBLE INSULATION is a concept in safety, in electric power tools, which eliminates the need for the usual three wire grounded power cord and grounded supply system. Wherever there is electric current in the tool there are two complete sets of insulation to protect the user. All exposed metal parts are isolated from internal metal motor components with protecting insulation.

IMPORTANT - Servicing of a tool with double insulation requires extreme care and knowledge of the system and should be performed only by a qualified service technician. For service we suggest you return the tool to your nearest Sears Store for repair. Always use original factory replacement parts when servicing.

⚠ WARNING:

Do not attempt to operate this tool until you have read thoroughly and understand completely all instructions, safety rules, etc. contained in this manual. Failure to comply can result in accidents involving fire, electric shock, or serious personal injury. Save owner's manual and review frequently for continuing safe operation, and instructing others who may use this tool.

⚠ WARNING:

The double insulated system is intended to protect the user from shock resulting from a break in the tool's internal wiring. Observe all normal safety precautions related to avoiding electrical shock.

READ ALL INSTRUCTIONS

1. **KNOW YOUR POWER TOOL.** Read owner's manual carefully. Learn its applications and limitations as well as the specific potential hazards related to this tool.
2. **GUARD AGAINST ELECTRICAL SHOCK** by preventing body contact with grounded surfaces. For example: Pipes, radiators, ranges, refrigerator enclosures.
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 use power tool in damp or wet locations or expose to rain. Keep work area well lit.
6. **KEEP CHILDREN AND VISITORS AWAY.** All visitors should wear safety glasses and be kept a safe distance from work area. Do not let visitors contact tool or extension cord.
7. **STORE IDLE TOOLS.** When not in use tools should be stored in a dry and high or locked-up place - out of the 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. Don't use tool for purpose not intended - for example - A circular saw should never be used for cutting tree limbs or logs.
10. **WEAR PROPER APPAREL.** Do not wear loose clothing or jewelry that can get caught in tool's moving parts and cause personal injury. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair and keep it from being drawn into nearby air vents.
11. **ALWAYS WEAR SAFETY GLASSES.** Everyday eyeglasses have only impact-resistant lenses; they are **NOT** safety glasses.
12. **PROTECT YOUR LUNGS.** Wear a face mask or dust mask if operation is dusty.
13. **PROTECT YOUR HEARING.** Wear hearing protection during extended periods of operation.
14. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
15. **SECURE WORK.** Use clamps or a vise to hold work. Both hands are needed to operate the tool.
16. **DON'T OVERREACH.** Keep proper footing and balance at all times. Do not use on a ladder or unstable support.
17. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp at all times, and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
18. **DISCONNECT TOOLS.** When not in use, before servicing, or when changing attachments, blades, bits, cutters, etc., all tools should be disconnected from power supply.
19. **REMOVE CHUCK KEY.** Form habit of checking to see that chuck key is removed from chuck before turning tool on.
20. **AVOID ACCIDENTAL STARTING.** Don't carry plugged-in tools with finger on switch. Be sure switch is off when plugging in.

RULES FOR SAFE OPERATION (Continued)

21. **MAKE SURE YOUR EXTENSION CORD IS IN GOOD CONDITION.** When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. A wire gage size (A.W.G.) of at least 16 is recommended for an extension cord 100 feet or less in length. A cord exceeding 100 feet is not recommended. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.
22. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords suitable for use outdoors. Outdoor approved cords are marked with the suffix W-A, for example - SJTW-A or SJOW-A.
23. **KEEP BITS CLEAN AND SHARP.** Sharp bits minimize stalling and kickback.
24. **KEEP HANDS AWAY FROM DRILLING AREA.** Keep hands away from bits. Do not reach underneath work while bit is rotating. Do not attempt to remove material while bit is rotating.
25. **NEVER USE IN AN EXPLOSIVE ATMOSPHERE.** Normal sparking of the motor could ignite fumes.
26. **INSPECT TOOL CORDS PERIODICALLY** and if damaged, have repaired at your nearest Sears Repair Center. Stay constantly aware of cord location.
27. **INSPECT EXTENSION CORDS PERIODICALLY** and replace if damaged.
28. **KEEP HANDLES DRY, CLEAN, AND FREE FROM OIL AND GREASE.** Always use a clean cloth when cleaning. Never use brake fluids, gasoline, petroleum-based products or any strong solvents to clean your tool.
29. **STAY ALERT.** Watch what you are doing and use common sense. Do not operate tool when you are tired. Do not rush.
30. **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 indicated elsewhere in this instruction manual.
31. **DO NOT USE TOOL IF SWITCH DOES NOT TURN IT ON AND OFF.** Have defective switches replaced by an authorized service center.
32. **DRILLING INTO ELECTRICAL WIRING IN WALLS CAN CAUSE DRILL BIT AND CHUCK TO BECOME ELECTRICALLY LIVE.** Do not touch the chuck or metal housing when drilling into a wall; grasp only the insulated handle(s) provided on the tool.
33. **INSPECT FOR** and remove all nails from lumber before drilling.
34. **DRUGS, ALCOHOL, MEDICATION.** Do not operate tool while under the influence of drugs, alcohol, or any medication.
35. **WHEN SERVICING USE ONLY IDENTICAL CRAFTSMAN REPLACEMENT PARTS.**
36. **POLARIZED PLUGS.** To reduce the risk of electric shock, this tool has 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 the proper outlet. Do not change the plug in any way.
37. **SAVE THESE INSTRUCTIONS.** Review them frequently and use them to instruct others who may use this tool. If you loan someone this tool, loan them these instructions also.

⚠ 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.

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.

INTRODUCTION

CONGRATULATIONS AND THANK YOU FOR BUYING THIS CRAFTSMAN 1/2 INCH HAMMER DRILL. It has been designed, engineered and manufactured to provide you with Sears high standard of dependability, ease of operation, and operator safety. Properly cared for, it will give you years of rugged, trouble-free performance.

⚠ CAUTION:

Carefully read through this entire owner's manual before using your new hammer drill. Pay close attention to the Rules For Safe Operation, Warnings and Cautions. If you use your drill properly and only for what it is intended, you will enjoy years of safe, reliable service.

Your hammer drill has many features for making your drilling operations more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this drill making it easy to maintain and operate.

SPECIFICATIONS:	
Chuck	1/2 In. Chuck With Chuck Key
Chuck Capacity	5/64 In. To 1/2 In.
Horsepower	3/8
Rating	120 Volts, 60 Hz, AC only, 3.5 AMPS
No Load Speed	0 - 1200 RPM
Hammer Speed	0 - 19,200 BPM
Hammer Travel	.025
Switch	Adjustable Variable Speed/Reversible

FULL ONE YEAR WARRANTY ON CRAFTSMAN HAMMER DRILL

If this Craftsman Hammer Drill fails to give complete satisfaction within one year from the date of purchase, **RETURN IT TO THE NEAREST SEARS STORE IN THE UNITED STATES,** and Sears will repair it, free of charge.

If this Craftsman Hammer Drill is used for commercial or rental purposes, this warranty applies for only 90 days from the date of purchase.

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. 817 WA, Hoffman Estates, IL 60179

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⚠ **Look for this symbol to point out important safety precautions. It means attention!!! Your safety is involved.**

⚠ WARNING:

The operation of any hammer drill 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 shields and a full face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields, available at Sears Retail Stores.

OPERATION

⚠ WARNING:

Always wear safety goggles or safety glasses with side shields when operating your hammer drill. Failure to do so could result in dust, shavings, loose particles or foreign objects being thrown into your eyes, causing possible serious injury.

KNOW YOUR HAMMER DRILL

Before attempting to use your hammer drill, familiarize yourself with all operating features and safety requirements. *See Figure 1.*

⚠ WARNING:

If any parts are missing, do not operate your hammer drill until the missing parts are replaced. Failure to do so could result in possible serious personal injury.

ELECTRICAL CONNECTION

Your hammer drill has a precision built electric motor. It should be connected to a **power supply that is 120 volts, 60 Hz, AC only (normal household current).** Do not operate this tool on direct current (DC). A voltage drop of more than 10 percent will cause a loss of power and the motor will overheat. If your tool does not operate when plugged into an outlet, double-check the power supply.

⚠ WARNING:

Do not allow familiarity with your hammer drill to make you careless. Remember that a careless fraction of a second is sufficient to inflict severe injury.

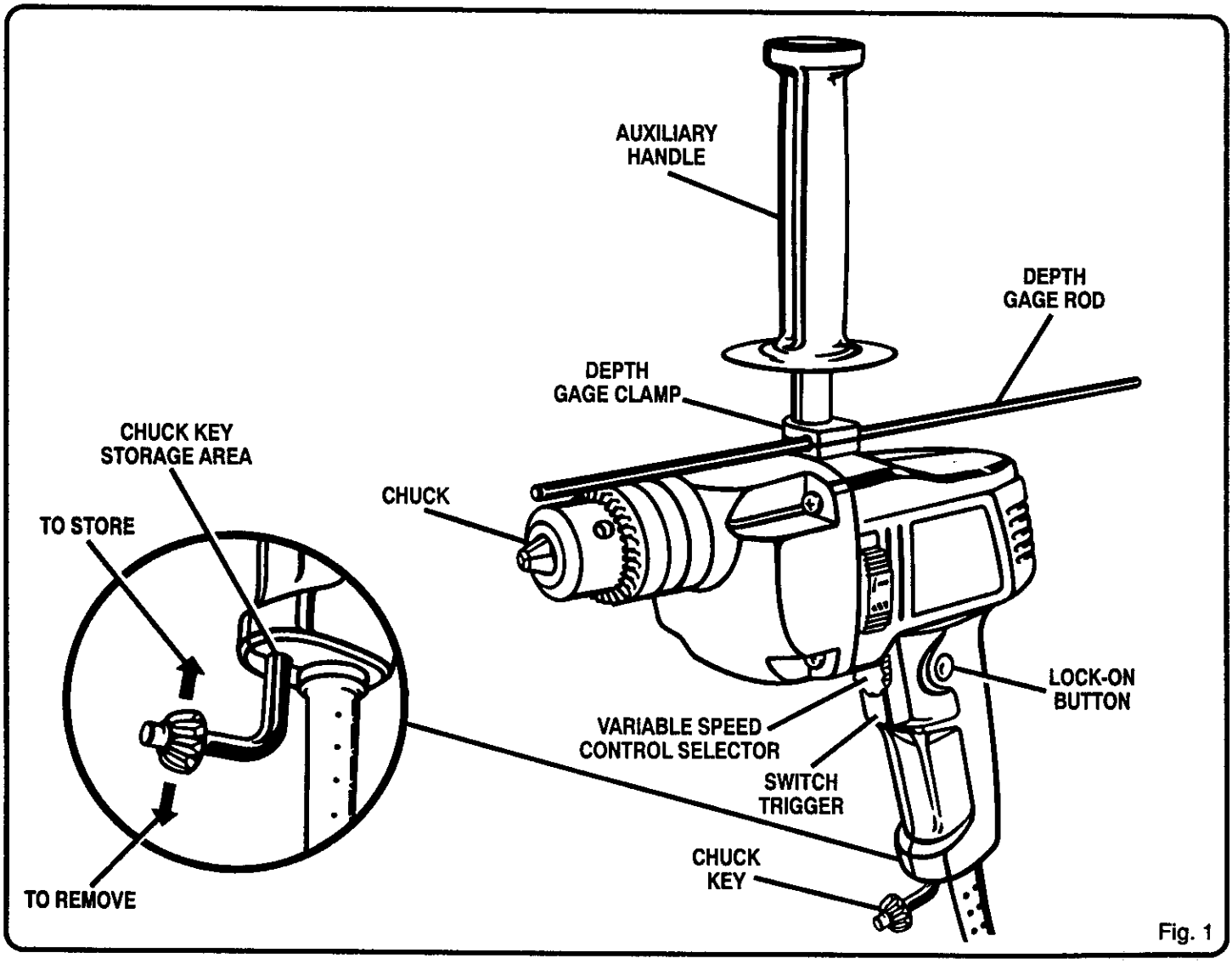


Fig. 1

OPERATION

SWITCH

See Figure 2.

To turn your hammer drill **ON**, depress the switch trigger. Release switch trigger to turn your hammer drill **OFF**.

LOCK-ON BUTTON

See Figure 2.

Your hammer drill is equipped with a "lock-on" feature, which is convenient when continuous drilling for extended periods of time is required. To lock-on, depress the switch trigger, push in and hold the lock-on button located on the side of the handle, then release switch trigger. Release lock-on button and your drill will continue running.

To release the lock, depress the switch trigger and release it.

If you have the "lock-on" feature engaged during use and your drill becomes disconnected from power supply, disengage the "lock-on" feature immediately.

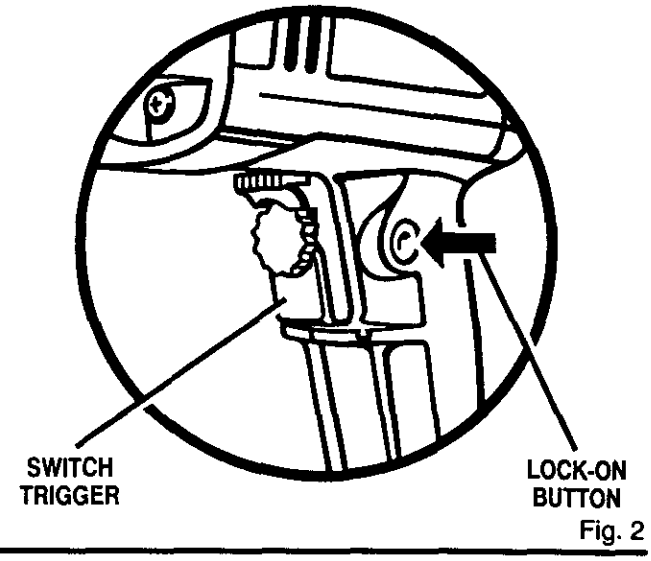


Fig. 2

⚠ WARNING:

Before connecting your hammer drill to power supply source, always check to be sure it is not in "lock-on" position (depress and release switch trigger). Failure to do so could result in accidental starting of your drill resulting in possible serious injury. Also, do not lock the trigger on jobs where your drill may need to be stopped suddenly.

REVERSIBLE

See Figure 3.

Your hammer drill has the feature of being reversible. The direction of chuck rotation is controlled by a lever located above the switch trigger. With your drill held in normal operating position, the rotation lever should be positioned to the left of the switch for drilling. The direction of rotation is reversed when the lever is to the right of the switch.

THE DESIGN OF THE SWITCH WILL NOT PERMIT CHANGING THE DIRECTION OF ROTATION WHILE THE DRILL IS RUNNING. RELEASE THE SWITCH TRIGGER AND ALLOW THE DRILL TO STOP BEFORE CHANGING ITS DIRECTION.

NOTE: YOUR HAMMER DRILL WILL NOT RUN UNLESS THE SWITCH LEVER IS PUSHED FULLY TO THE LEFT OR RIGHT.

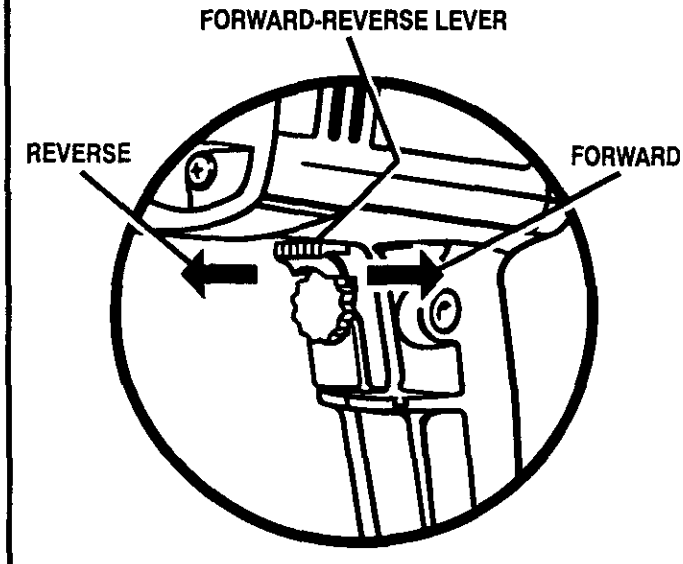


Fig. 3

CHUCK KEY

See Figure 4.

A chuck key has been provided for use when installing or removing bits. It is also used when removing the chuck. (See chuck removal section).

CHUCK KEY STORAGE

See Figure 4.

When not in use, the chuck key can be placed in the storage area located on the bottom portion of drill handle.

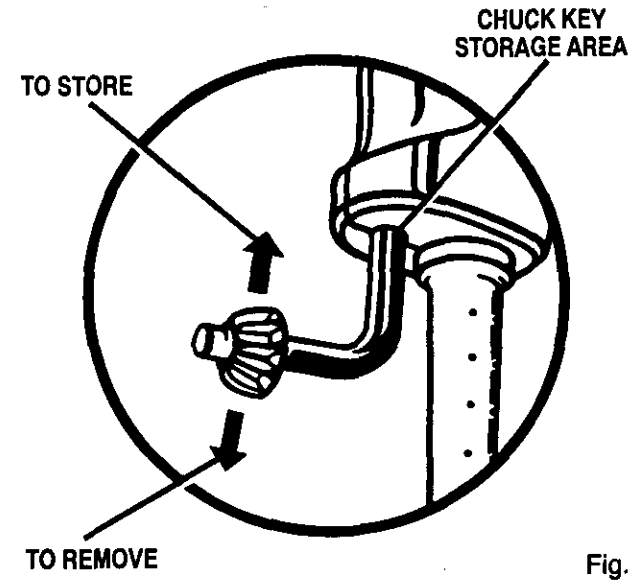


Fig. 4

OPERATION

VARIABLE SPEED

See Figure 5.

Your hammer drill has a variable speed control selector designed to allow operator control and adjustment of speed and torque limits. Speed and torque can be increased or decreased by rotating the variable speed control selector in the direction of the arrows shown in figure 5.

NOTE: Hold your hammer drill in normal operating position and turn the variable speed control selector clockwise to increase the speed and torque of your hammer drill. Turn counterclockwise to decrease the speed and torque of your hammer drill.

If you desire to lock the switch on at a given speed, depress the switch trigger, push in and hold the lock-on button, and release the switch trigger. Next, adjust the variable speed control selector until the desired speed is reached.

NOTE: IF THE VARIABLE SPEED CONTROL SELECTOR IS FULLY TURNED IN THE COUNTERCLOCKWISE DIRECTION (ZERO SETTING) YOUR DRILL MAY NOT RUN.

IF YOU DESIRE NOT TO USE THE VARIABLE SPEED CONTROL SELECTOR, TURN IT IN THE FULL CLOCKWISE DIRECTION. THIS WILL ALLOW THE SPEED OF YOUR DRILL TO BE FULLY CONTROLLED BY THE AMOUNT OF SWITCH TRIGGER DEPRESSION.

Avoid running your hammer drill at low speeds for extended periods of time. Running at low speeds under constant usage may cause your drill to become overheated. If this occurs, cool your drill by running it without a load and at full speed.

The following guidelines may be used in determining correct speed for various applications:

LOW speed is ideal when minimum speed and power is required. For example: starting holes without center punching, driving screws, mixing paint, and drilling in ceramics.

MEDIUM speed is suitable for drilling hard metals, plastics, and laminates.

HIGH speed produces best results when maximum power is required. For example: drilling in wood; soft metals such as aluminum, brass, and copper; and when using driving accessories.

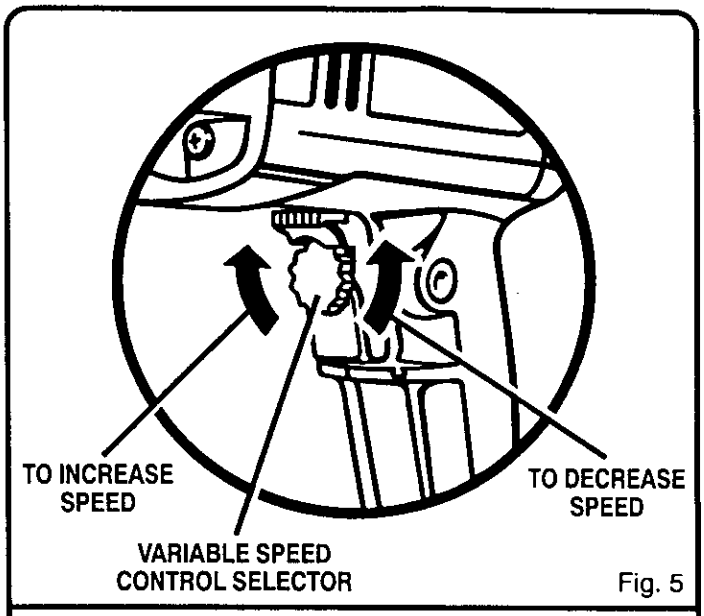


Fig. 5

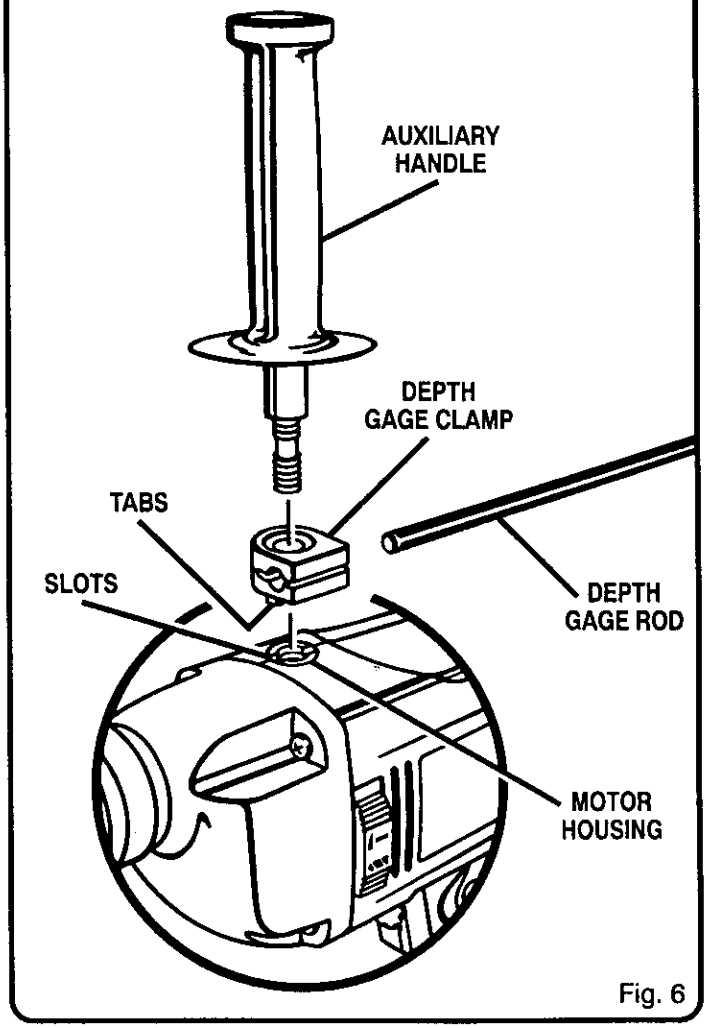


Fig. 6

⚠ WARNING:

Your hammer drill should never be connected to power supply when you are assembling parts, making adjustments, installing or removing drill bits, or when not in use. Disconnecting your drill will prevent accidental starting that could cause serious injury.

INSTALLING AUXILIARY HANDLE

See Figure 6.

AN AUXILIARY HANDLE IS PACKED WITH YOUR DRILL FOR EASE OF OPERATION AND TO HELP PREVENT LOSS OF CONTROL.

OPERATION

INSTALLING AUXILIARY HANDLE (Continued)

NOTE: For convenience the screw has been trapped inside the auxiliary handle.

- Remove depth gage clamp and auxiliary handle from plastic bag in hammer drill box.
- Orient depth gage clamp so that the tabs will fit into motor housing of hammer drill.
- Thread depth gage clamp onto auxiliary handle until it reaches undercut area of screw threads. Undercut of screw threads will keep depth gage clamp on auxiliary handle, preventing it from getting lost.
- Align tabs on depth gage clamp with slots in threaded hole in motor housing. **NOTE:** Depth gage clamp can be rotated 180° so that depth gage rod will fit on either side of motor housing.
- Carefully start the fine screw threads (#3/8-24) into fine threaded hole in motor housing and tighten securely. **DO NOT** cross thread handle bolt in motor housing.

To prevent thread damage and possible loss of control, auxiliary handle should be checked periodically for tightness. **DO NOT operate hammer drill with handle loose or with depth gage clamp removed.** In addition to securing depth gage rod to your hammer drill, depth gage clamp also provides the proper amount of handle screw thread engagement when depth gage rod is not being used.

USING DEPTH GAGE ROD

See Figure 7.

A depth gage rod has been packed with your hammer drill to assist you in controlling the depth of drilled holes.

- Install depth gage rod thru depth gage clamp as shown in figure 7.
- Adjust depth gage rod so that the drill bit extends beyond the end of the rod to the required drilling depth.
- Securely tighten auxiliary handle against depth gage clamp. This secures depth gage rod at desired depth of cut. It also secures auxiliary handle.

When drilling holes with the depth gage rod installed, the desired hole depth has been reached when the end of the rod comes in contact with the surface of the material being drilled.

TO ADJUST DRILLING MODE

See Figure 8.

To adjust for type of drilling, slide adjustment button on side of motor housing up to hammer mode or down to drilling mode. For your convenience a hammer symbol and drill bit symbol have been molded into adjustment button.

⚠ WARNING:

Your hammer drill has not been designed for reverse hammering.

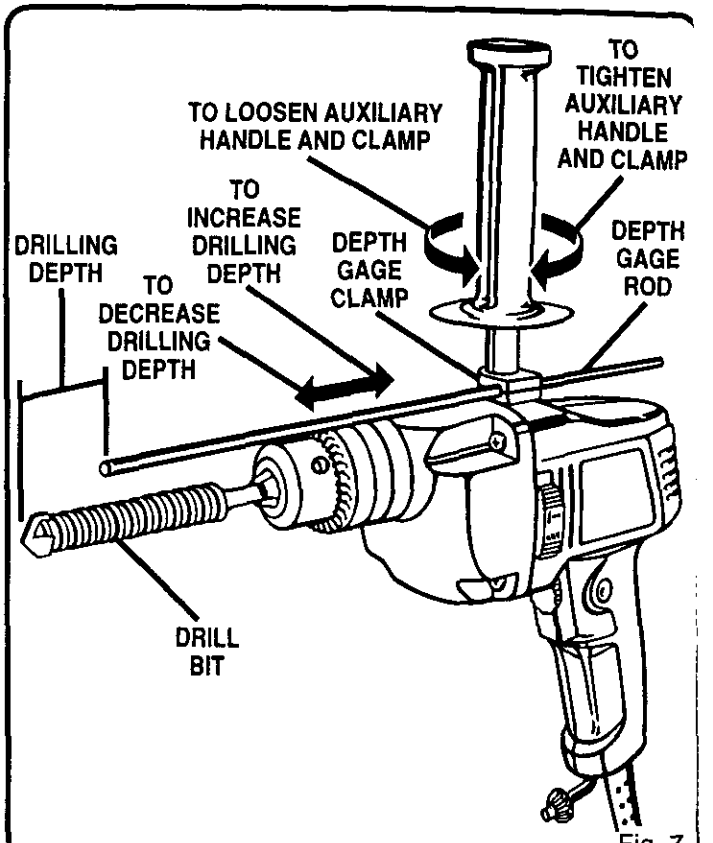


Fig. 7

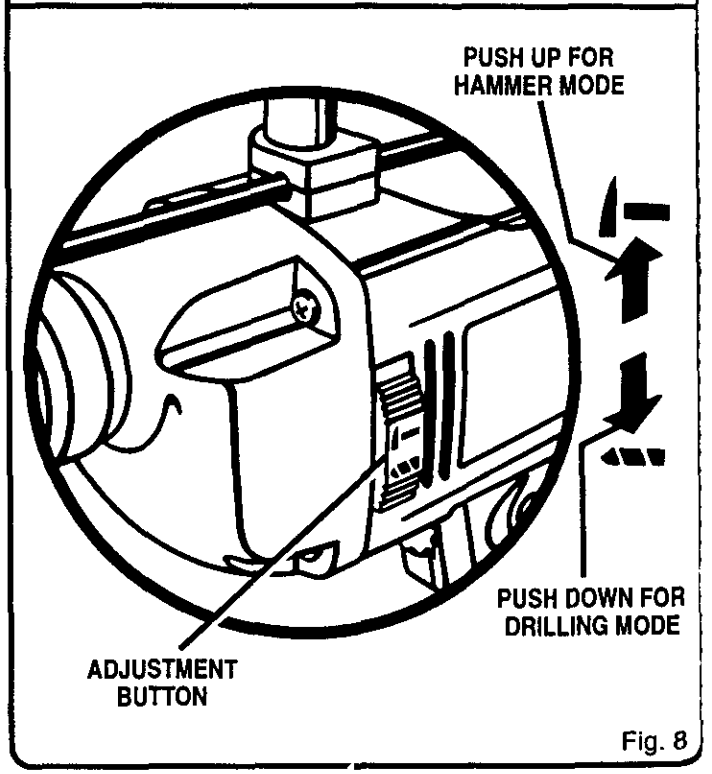


Fig. 8

We recommend that you use carbide-tipped bits and select hammer mode when drilling in hard materials such as brick, tile, concrete, etc.

We recommend that you select normal drill mode when drilling with twist drills, hole saws, etc. in soft materials.

OPERATION

TO INSTALL BITS

See Figure 9.

- **UNPLUG YOUR HAMMER DRILL.**

⚠ WARNING:

Failure to unplug your hammer drill could result in accidental starting causing serious injury.

- Open or close the chuck jaws to a point where the opening is slightly larger than the drill bit you intend to use. Also, raise the front of your drill slightly to keep the drill bits from falling out of the chuck jaws.
- Insert drill bit into chuck the full length of the jaws.

⚠ WARNING:

Do not insert drill bit into chuck jaws and tighten as shown in figure 10. This could cause drill bit to be thrown from your drill resulting in possible serious personal injury or damage to your chuck.

- Tighten chuck jaws securely, using the chuck key provided. **DO NOT USE A WRENCH TO TIGHTEN OR LOOSEN THE CHUCK JAWS.**
- Remove chuck key and return to storage area.

TO REMOVE BITS

- **UNPLUG YOUR HAMMER DRILL.**

⚠ WARNING:

Failure to unplug your hammer drill could result in accidental starting causing serious injury.

- Loosen chuck jaws using the chuck key provided. **DO NOT USE A WRENCH TO TIGHTEN OR LOOSEN THE CHUCK JAWS.**
- Remove drill bit from chuck jaws.
- Remove chuck key and return it to storage area.

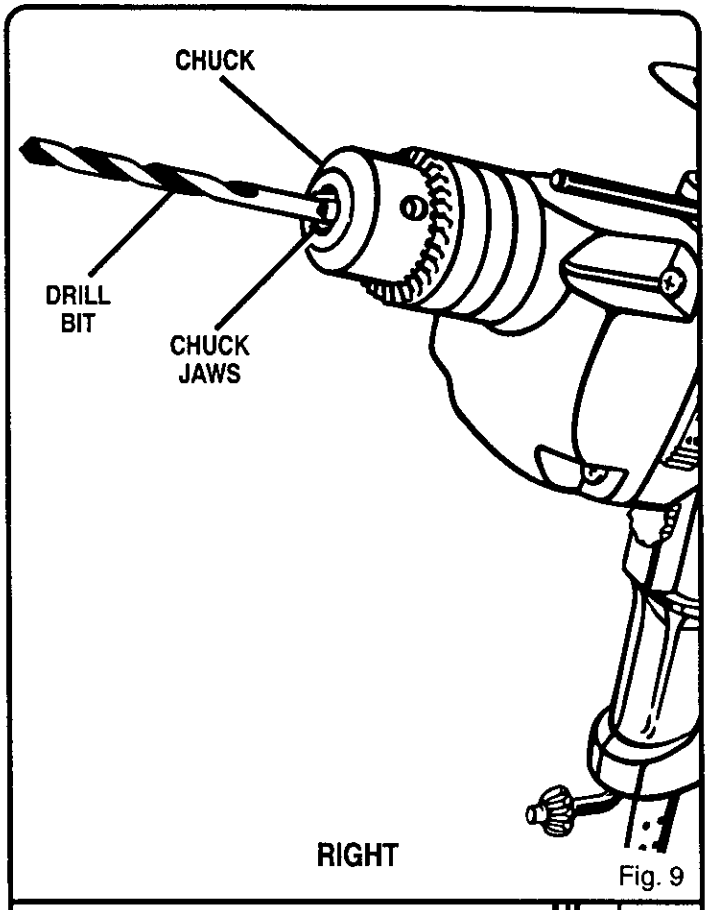


Fig. 9

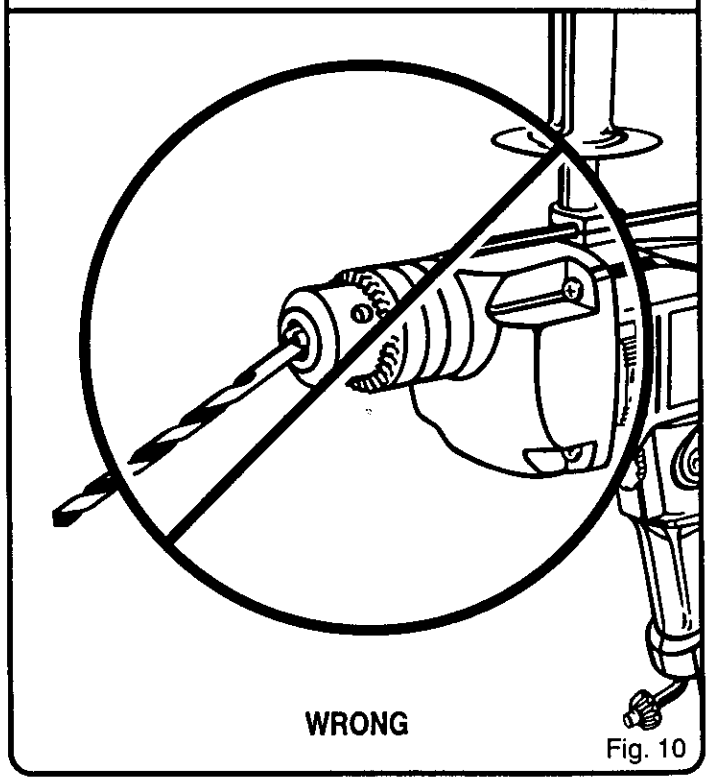


Fig. 10

OPERATION

DRILLING

See Figure 11.

- Depress and release switch trigger to be sure your drill is in **OFF** position before connecting it to power supply.
- Check the direction of rotation lever for correct setting (forward or reverse). *See Figure 3.*
- Secure the material to be drilled in a vise or with clamps to keep it from turning as the drill bit rotates.
- Plug your hammer drill into power supply source.
- Hold your drill firmly and place bit at point to be drilled.
- Depress the switch trigger to start your drill. Do not lock the switch **ON** for jobs where your drill may need to be stopped suddenly.
- Move the drill bit into the workpiece applying only enough pressure to keep the bit cutting. Do not force your drill or apply side pressure to elongate a hole. Let your drill and bit do the work. *See Figure 11.*

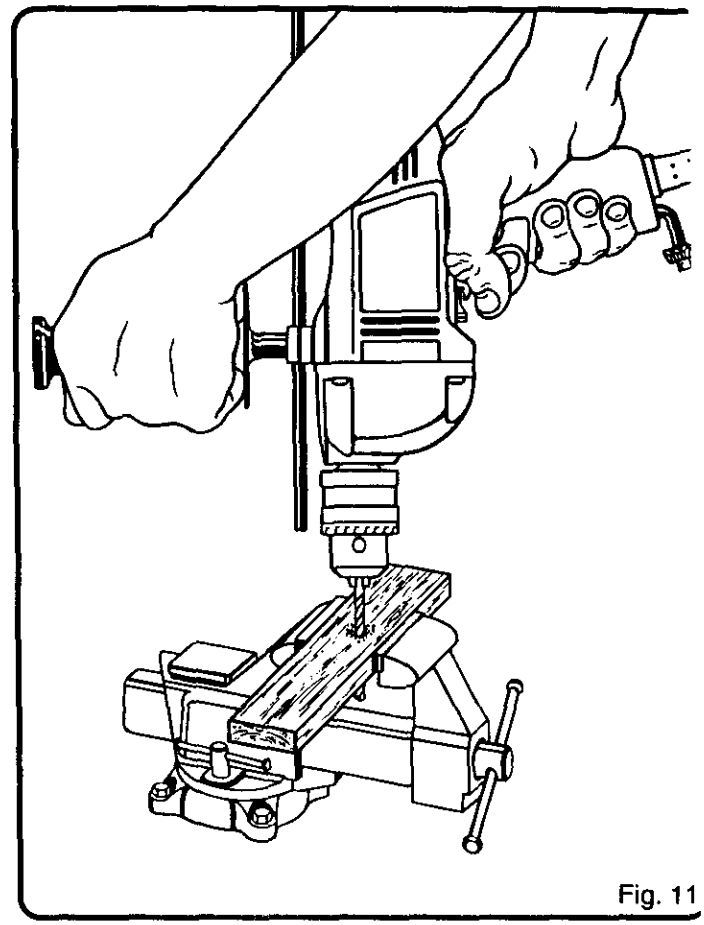


Fig. 11

⚠ WARNING:

Be prepared for binding or breakthrough. When these situations occur, drill has a tendency to grab and kick in the opposite direction and could cause loss of control when breaking through material. This loss of control can result in possible serious injury. Do not lock the trigger on jobs where your drill may need to be stopped suddenly.

When drilling hard, smooth surfaces use a center punch to mark the desired hole location. This will prevent the drill bit from slipping off center as the hole is started.

When drilling metals, use a light oil on the drill bit to keep it from overheating. The oil will prolong the life of the bit and increase the drilling action.

If the bit jams in the workpiece or if your drill stalls, stop the tool immediately. Remove the bit from the workpiece and determine the reason for jamming.

WOOD DRILLING

- For maximum performance use high speed steel bits for wood drilling.
- Slide adjustment button on hammer drill down for normal drilling action.
- Begin drilling at a very low speed to prevent the bit from slipping off the starting point. Increase the speed as the drill bit bites into the material.
- When drilling through holes, place a block of wood behind the workpiece to prevent ragged or splintered edges on the back side of the hole.
- **Do not lock the trigger ON for jobs where your hammer drill may need to be stopped suddenly.**

METAL DRILLING

- For maximum performance use high speed steel bits for metal or steel drilling.
- Slide adjustment button on hammer drill down for normal drilling action (drill mode).
- Begin drilling at a very low speed to prevent the bit fron slipping off the starting point.
- Maintain a speed and pressure which allows cuttin without overheating the bit. Applying too much pres sure will:

  Overheat the drill;

  Wear the bearings;

  Bend or burn bits; and

  Produce off-center or irregular shaped holes.
- When drilling large holes in metal, we recommend tha you drill with a small bit first, then finish with a larger bit Also, lubricate the bit with oil to improve drilling actio and increase bit life.

MASONRY DRILLING

- For maximum performance use carbide-tipped ma sonry impact bits when drilling holes in brick, tile concrete, etc.
- Slide adjustment button on hammer drill up for ham mer mode.
- Apply light pressure and medium speed for best re sults in brick.
- Apply additional pressure for hard materials such a concrete.
- When drilling holes in tile, practice on a scrap piece t determine the best speed and pressure.

OPERATION

CHUCK REMOVAL

See Figures 12, 13, and 14.

The chuck must be removed in order to use some accessories.

To remove:

- **UNPLUG YOUR HAMMER DRILL.**

⚠ WARNING:

Failure to unplug your hammer drill could result in accidental starting causing serious injury.

- Close chuck jaws. Insert chuck key into chuck and tap sharply with a mallet in a clockwise direction. *See figure 12.* This will loosen chuck screw for removal.
- Open the chuck jaws and remove the chuck screw by turning clockwise with a flatblade screwdriver. *See figure 13.* **NOTE:** Chuck screw has left hand threads.
- Insert chuck key into chuck and tap sharply with a mallet in a counterclockwise direction.
- This will loosen the chuck on the spindle.
- It can now be unscrewed by hand. *See Figure 14.*
- Remove chuck key and return to storage area.

TO RETIGHTEN A LOOSE CHUCK

The chuck may at times become loose on the spindle and develop a wobble. Also, after several drilling operations the chuck screw may become loose. Periodically check chuck screw for tightness. A loose screw will cause the chuck jaws to bind and prevent them from closing.

To tighten, follow these steps:

- **UNPLUG YOUR HAMMER DRILL.**

⚠ WARNING:

Failure to unplug your hammer drill could result in accidental starting causing serious injury.

- Open the chuck jaws.
- Insert chuck key into chuck and tap sharply with a mallet in clockwise direction.
- This will tighten the chuck on spindle.
- Tighten chuck screw. **NOTE:** Chuck screw has left hand threads.
- Remove chuck key and return to storage area.

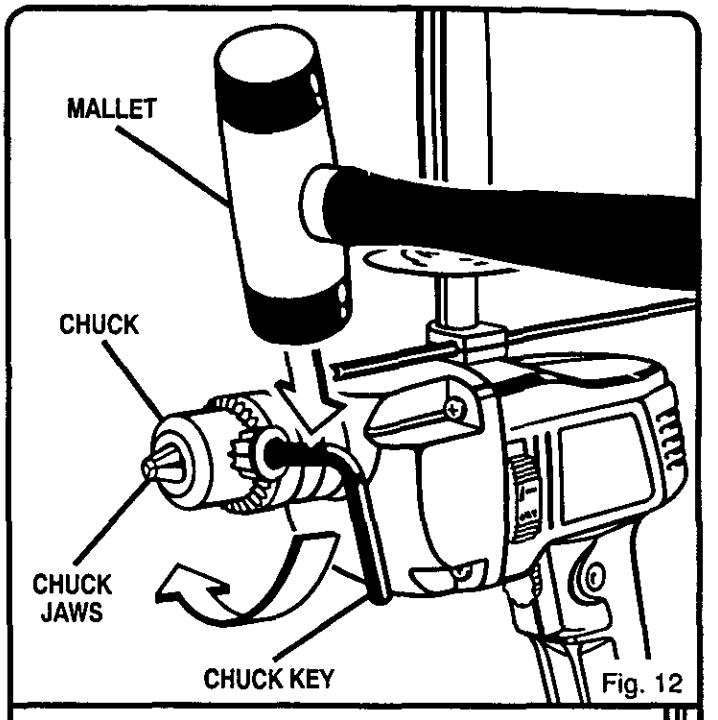


Fig. 12

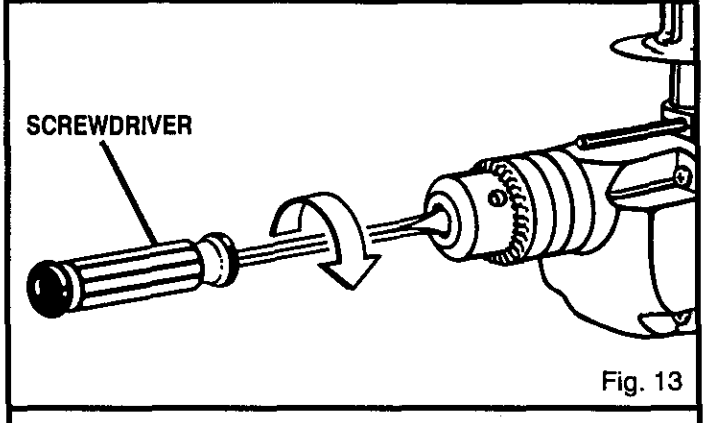


Fig. 13

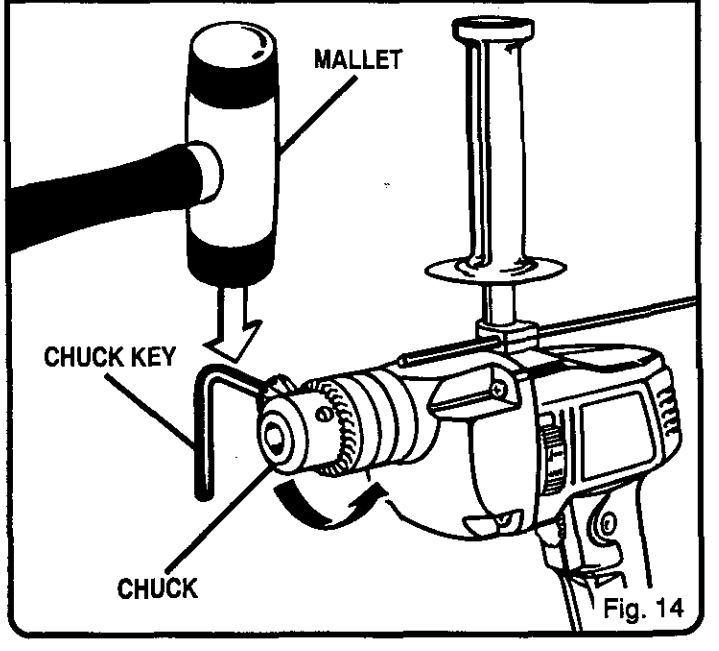


Fig. 14

MAINTENANCE

⚠ WARNING:

When servicing use only identical Craftsman replacement parts. Use of any other parts may create a hazard or cause product damage.

GENERAL

Only the parts shown on parts list, page 15, are intended to be repaired or replaced by the customer. All other parts represent an important part of the double insulation system and should be serviced only by a qualified Sears service technician.

Avoid using 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.

It has been found that electric tools are subject to accelerate wear and possible premature failure when they are used o fiberglass boats, sports cars, wallboard, spacklin compounds, or plaster. The chips and grindings from thes materials are highly abrasive to electric tool parts such a bearings, brushes, commutators, etc. Consequently, it is nc recommended that this tool be used for extended work o any fiberglass material, wallboard, spackling compounds, c plaster. During any use on these materials, it is extremel important that the tool is cleaned frequently by blowing wit an air jet.

⚠ WARNING:

Always wear safety goggles or safety glasses with side shields during power tool operation or when blowing dust. If operation is dusty, also wear a dust mask.

⚠ WARNING:

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc. come in contact with plastic parts. They contain chemicals that can damage, weaken, or destroy plastic.

ACCESSORIES

THE FOLLOWING RECOMMENDED ACCESSORIES ARE CURRENTLY AVAILABLE AT SEARS RETAIL STORES.

High Speed Bits (For wood or metal)	1/2 In. Max.	Hole Saws	2-1/2 In. Max.
Masonry Bits	3/4 In. Max.	1/2 In. Chuck (9-2980)	
Wood Boring Bits	1-1/2 In. Max.		

⚠ WARNING: The use of attachments or accessories not listed above might be hazardous.

EXTENSION CORDS

The use of any extension cord will cause some loss of power. To keep the loss to a minimum and to prevent tool overheating, use an extension cord that is heavy enough to carry the current the tool will draw.

A wire gage size (A.W.G.) of at least **16** is recommended for an extension cord 100 feet or less in length. When working outdoors, 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 drilling area and position the cord so that it will not get caught on lumber, tools, etc. during drilling operation.

⚠ WARNING:

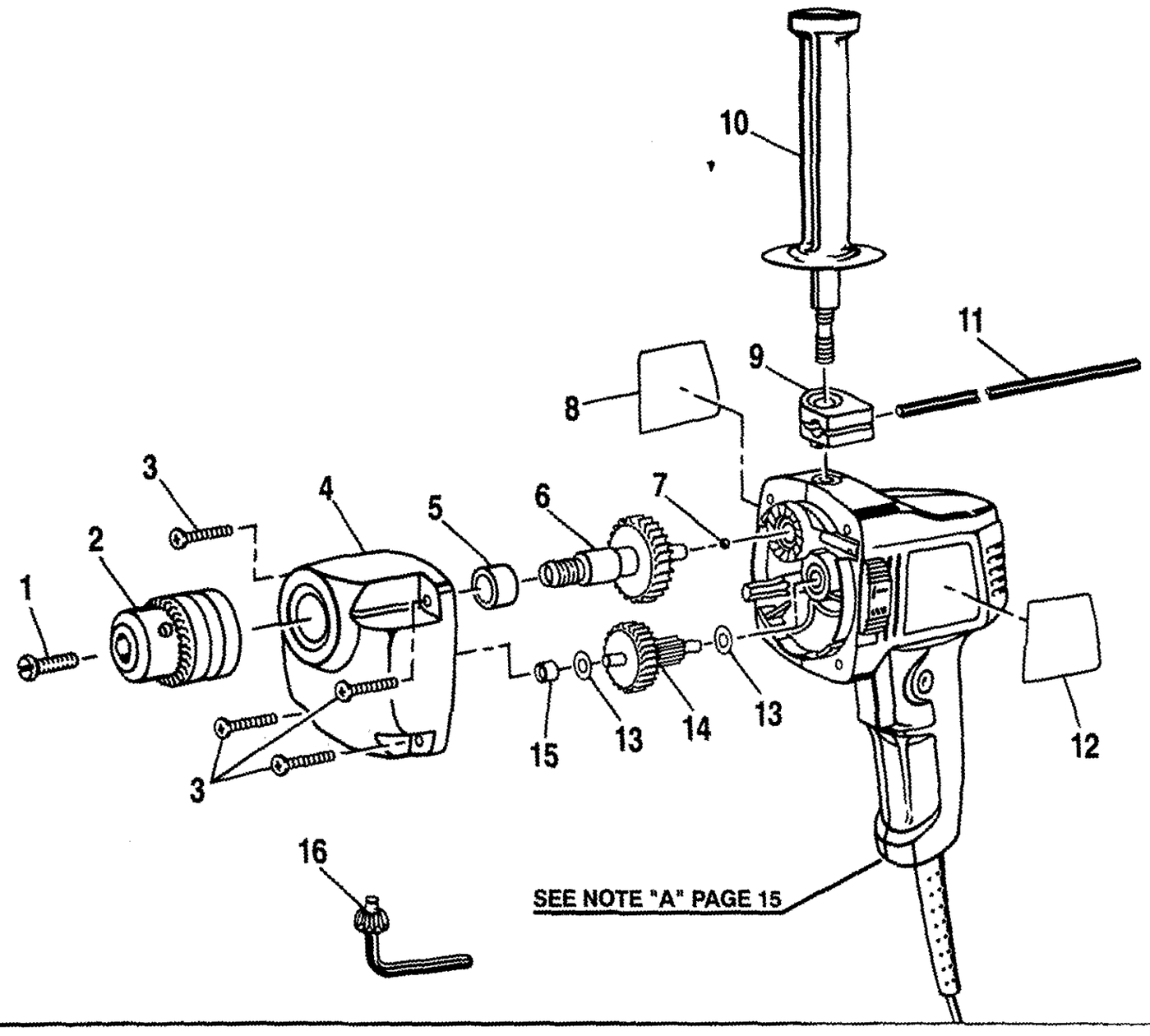
Check extension cords before each use. If damaged replace immediately. Never use tool with a damaged cord since touching the damaged area could cause electrical shock resulting in serious injury.

LUBRICATION

All of the bearings in this tool are lubricated with a sufficien amount of high grade lubricant for the life of the unit unde normal operating conditions. Therefore, no further lubricatior is required.

NOTES

CRAFTSMAN 1/2 INCH HAMMER DRILL — MODEL NUMBER 315.101390



CRAFTSMAN 1/2 INCH HAMMER DRILL — MODEL NO. 315.101390

The model number will be found on a plate attached to the motor housing. Always mention the model number in all correspondence regarding your **1/2 INCH HAMMER DRILL** or when ordering repair parts.

SEE BACK PAGE FOR PARTS ORDERING INSTRUCTIONS

PARTS LIST

Key No.	Part No.	Description	Quan.
1	613150-003	* Screw (#5/16-24 x 7/8 In. Fil. Hd., Left Hand)	1
2	973110-001	Chuck	1
3	968703-013	* Screw (#8-32 x 7/8 In. Pan Hd.)	4
4	972724-005	Gear Housing (Includes Key Nos. 5 and 15)	1
5	990963-001	Spindle Bearing	1
6	972927-001	Gear W/Spindle	1
7	703774-005	Ball	1
8	972925-001	Data Plate	1
9	973825-001	Depth Gage Clamp	1
10	972895-006	Auxiliary Handle	1
11	886165-000	Depth Gage Rod	1
12	972924-001	Logo Plate	1
13	931744-063	Washer	2
14	972823-001	Gear W/Pinion	1
15	990962-001	Bearing	1
16	606858-001	Chuck Key	1
	972000-148	Owner's Manual	

NOTE: "A"— The assembly shown represents an important part of the Double Insulated System. To avoid the possibility of alteration or damage to the system, service should be performed by your nearest Sears Repair Center. Contact your nearest Sears Retail Store for Service Center information.

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(1-888-784-6427)

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