

# SEARS

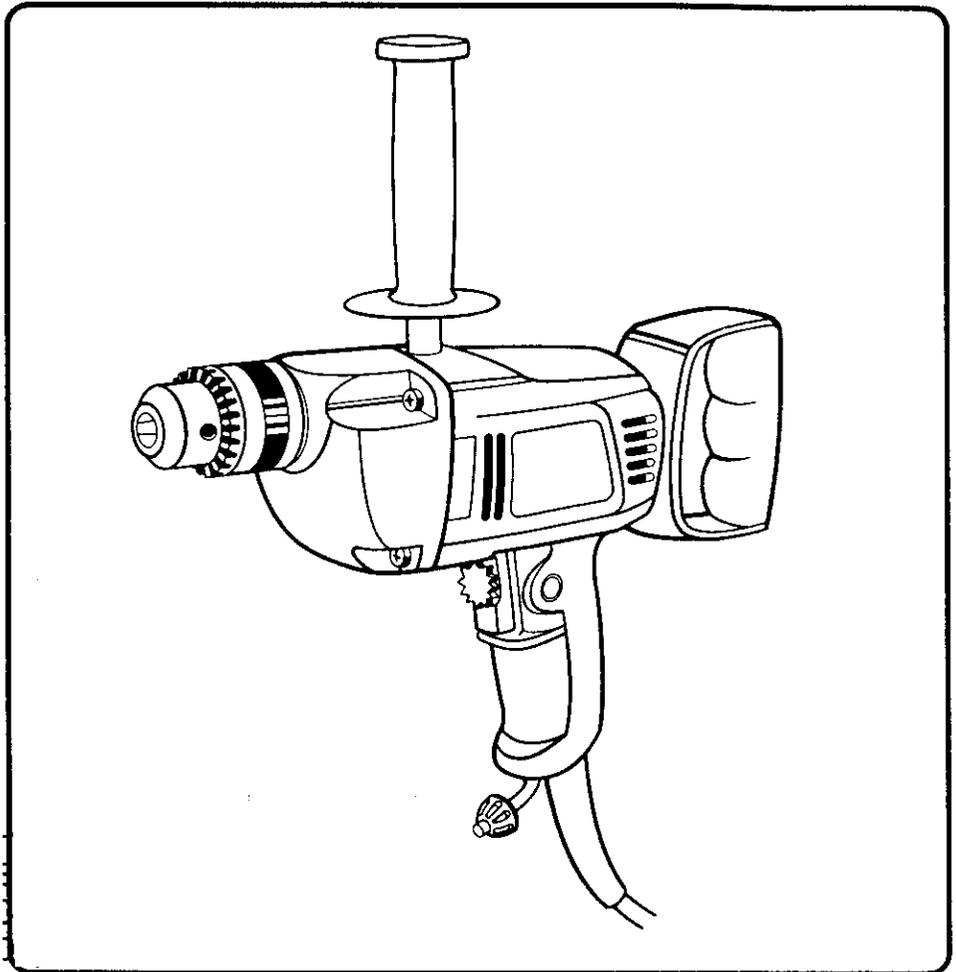
OWNER'S  
MANUAL

MODEL NO.  
315.101280

**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 Drill



## **CRAFTSMAN®** **1/2 Inch Drill** **Variable Speed** **Adjustable - Reversible**

**DOUBLE INSULATED**

**Rules for Safe Operation**  
**Warranty**  
**Operation**  
**Maintenance**  
**Repair Parts**



Sold by SEARS, ROEBUCK AND CO., Hoffman Estates, IL 60179 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: 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.**

**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 OWNERS MANUAL AND REVIEW FREQUENTLY FOR CONTINUING SAFE OPERATION, AND INSTRUCTING OTHERS WHO MAY USE THIS TOOL.**

## 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.

## RULES FOR SAFE OPERATION (Continued)

20. **AVOID ACCIDENTAL STARTING.** Don't carry plugged-in tools with finger on switch. Be sure switch is off when plugging in.
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 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 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 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 Capacity	1/2 In.
Horsepower	3/8
Rating	120 Volts, 60 Hz, AC only, 3.5 AMPS
No Load Speed	0 - 600 RPM
Switch	Adjustable Variable Speed/Reversible

## FULL ONE YEAR WARRANTY ON CRAFTSMAN DRILL

If this Craftsman 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 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

# TABLE OF CONTENTS

1. Rules for Safe Operation .....	2-3
2. Introduction and Product Specifications .....	4
3. Warranty and Table of Contents .....	4
4. Operation .....	5-9
5. Maintenance and Accessories .....	10
6. Exploded View and Parts List .....	12-13
7. Parts Ordering / Service .....	14

## **WARNING:**



The operation of any 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

## KNOW YOUR ELECTRIC DRILL

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

**WARNING: IF ANY PARTS ARE MISSING, DO NOT OPERATE YOUR DRILL UNTIL THE MISSING PARTS ARE REPLACED. FAILURE TO DO SO COULD RESULT IN POSSIBLE SERIOUS PERSONAL INJURY.**

## ELECTRICAL CONNECTION

Your 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 DRILL TO MAKE YOU CARELESS. REMEMBER THAT A CARELESS FRACTION OF A SECOND IS SUFFICIENT TO INFLICT SEVERE INJURY.**

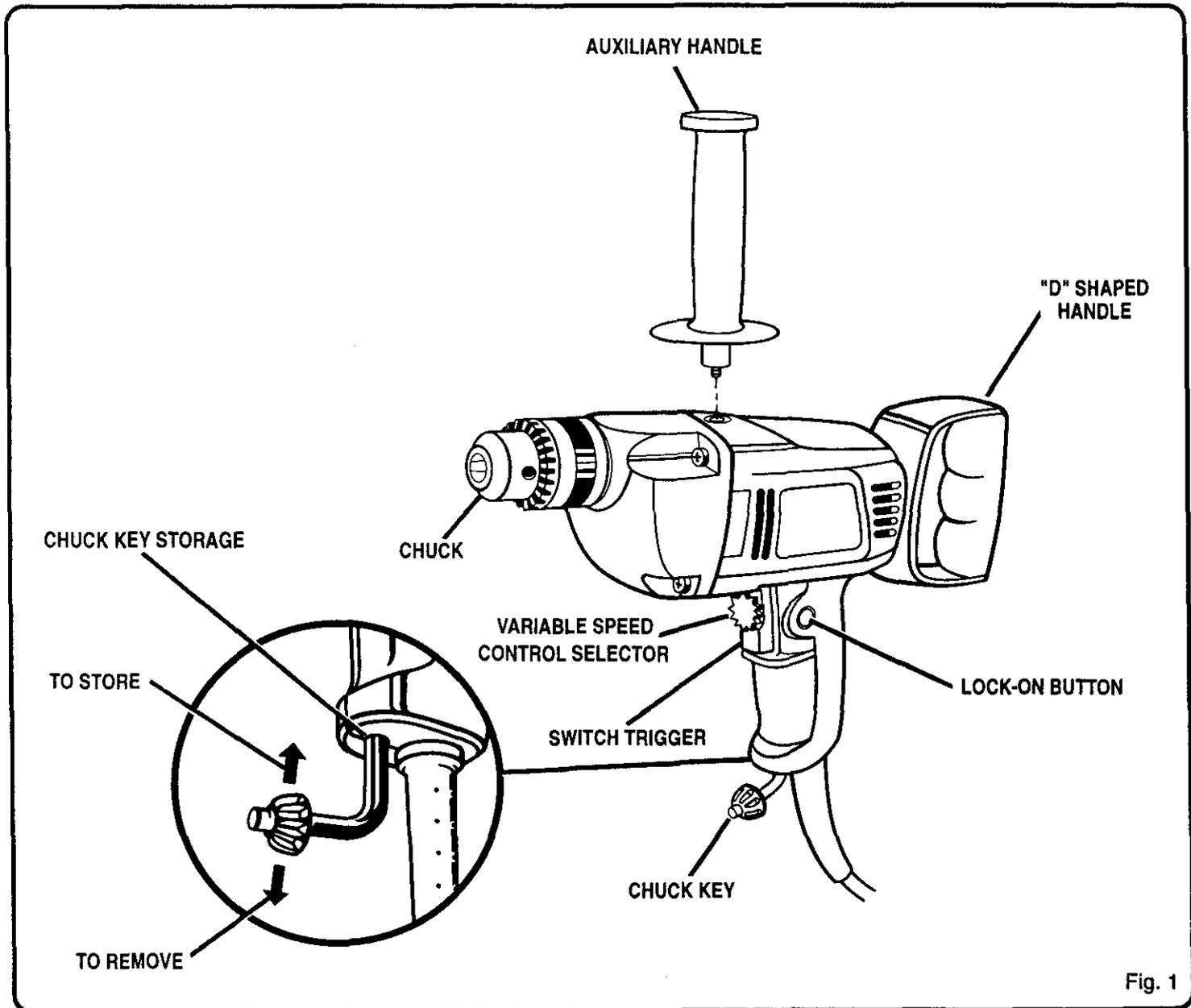


Fig. 1

**WARNING: ALWAYS WEAR SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS WHEN OPERATING YOUR DRILL. FAILURE TO DO SO COULD RESULT IN DUST, SHAVINGS, LOOSE PARTICLES OR FOREIGN OBJECTS BEING THROWN INTO YOUR EYES, CAUSING POSSIBLE SERIOUS INJURY.**

# OPERATION

## SWITCH

See Figure 2.

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

## LOCK-ON BUTTON

See Figure 2.

Your 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.

**WARNING: BEFORE CONNECTING YOUR 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 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 DRILL WILL NOT RUN UNLESS THE SWITCH LEVER IS PUSHED FULLY TO THE LEFT OR RIGHT.**

## CHUCK KEY

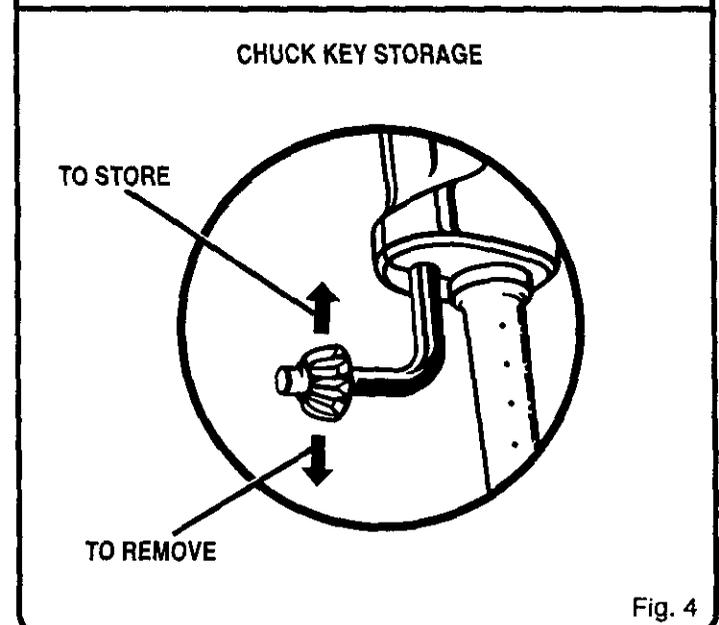
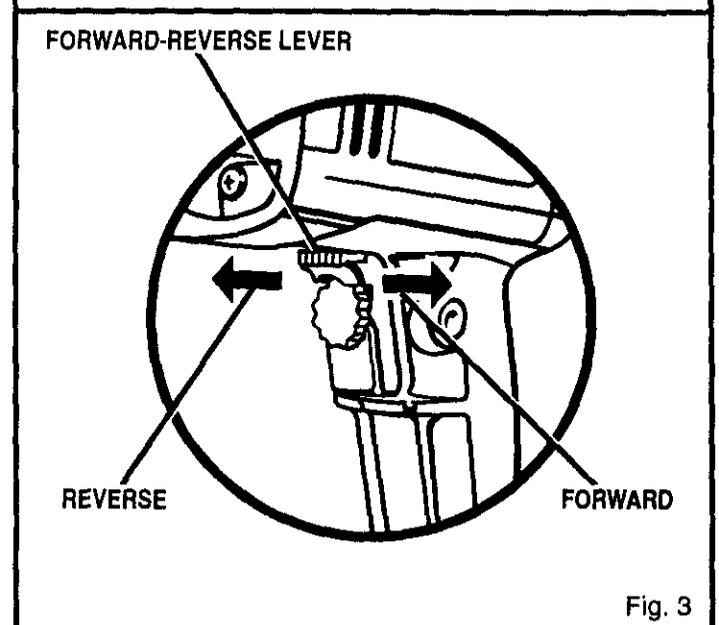
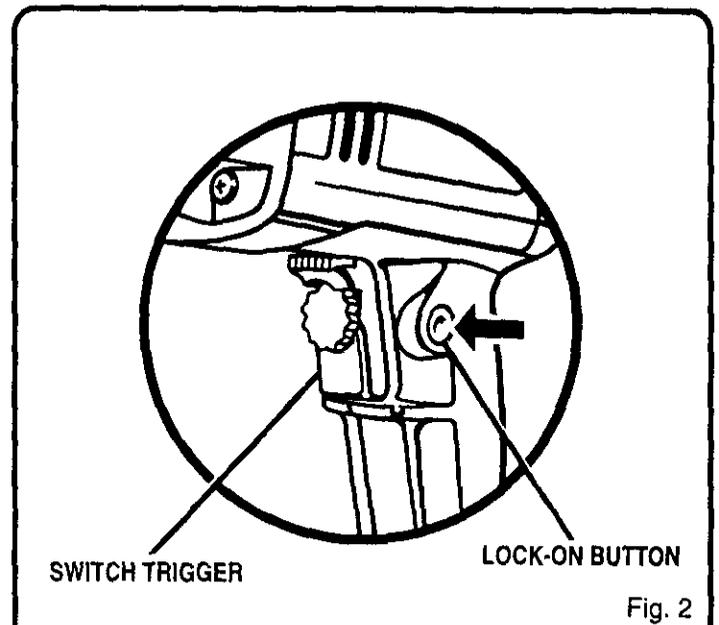
See Figure 4.

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.



# OPERATION

## VARIABLE SPEED

See Figure 5.

Your drill has a variable speed control selector designed to allow operator control and adjustment of speed and torque limits. The speed and torque of your drill 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 drill in normal operating position and turn the variable speed control selector clockwise to increase the speed and torque of your drill. Turn counterclockwise to decrease the speed and torque of your 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 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.

## INSTALLING AUXILIARY HANDLE

See Figure 1, Page 5.

**AN AUXILIARY HANDLE IS PACKED WITH YOUR DRILL FOR EASE OF OPERATION AND TO HELP PREVENT LOSS OF CONTROL.** To install, start the screw threads into the threaded hole in the gear housing and tighten securely.

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

To prevent thread damage and possible loss of control, auxiliary handle should be checked periodically for tightness. **DO NOT** operate drill with handle loose.

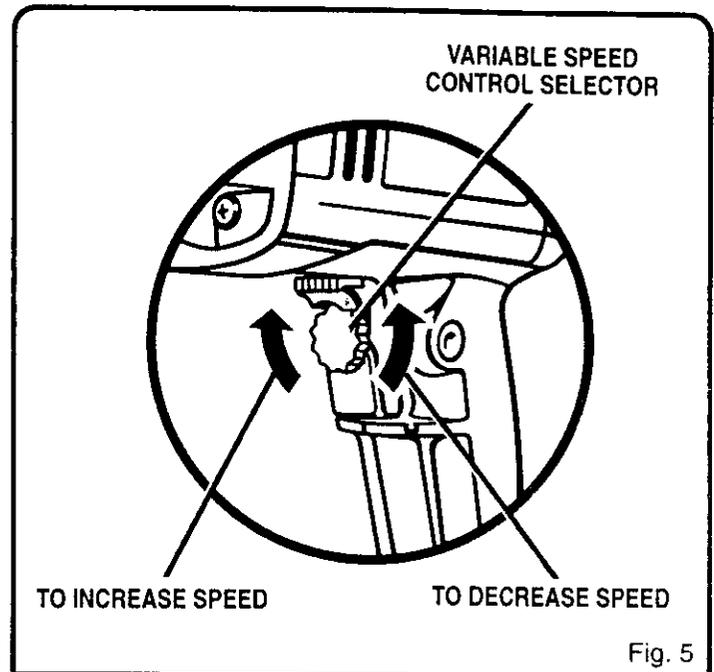


Fig. 5

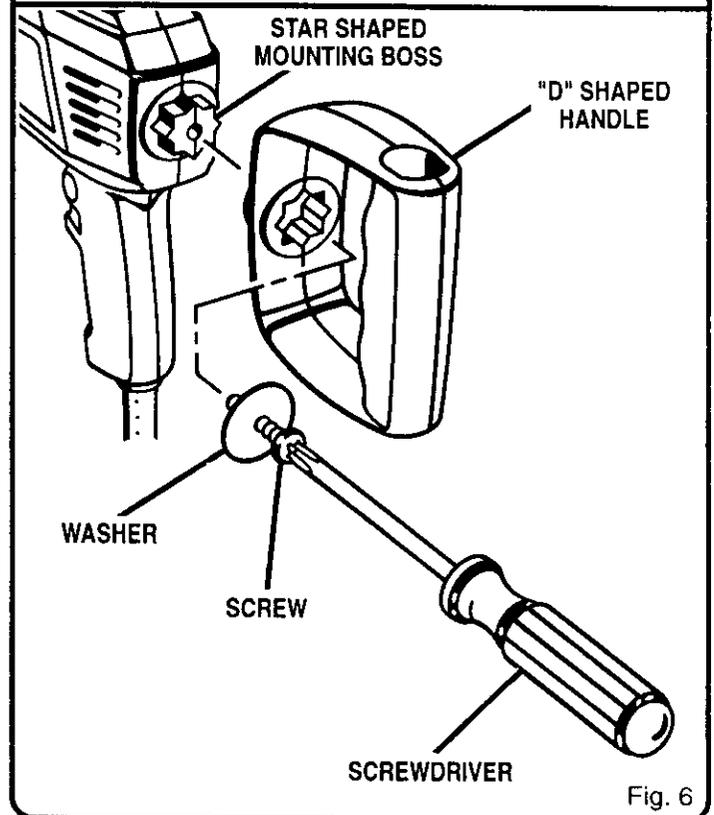


Fig. 6

## INSTALLING "D" SHAPED HANDLE

See Figure 6.

A multi-position "D" shaped handle is also packed with your drill. It is used for maintaining proper balance and control of your drill. To install, place handle in desired position on star shaped mounting boss. Mounting boss is located on the end of your drill. Add washer then insert screw. To tighten screw, insert screwdriver through side of handle as shown in figure 6. Tighten screw securely, then remove screwdriver.

# OPERATION

**WARNING: YOUR 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.**

## TO INSTALL BITS

See Figure 7.

### 1. UNPLUG YOUR DRILL.

**WARNING: FAILURE TO UNPLUG YOUR DRILL COULD RESULT IN ACCIDENTAL STARTING CAUSING SERIOUS INJURY.**

2. 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.
3. 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 8. THIS COULD CAUSE DRILL BIT TO BE THROWN FROM YOUR DRILL RESULTING IN POSSIBLE SERIOUS PERSONAL INJURY OR DAMAGE TO YOUR CHUCK.**

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

## DRILLING

See Figure 9.

1. Depress and release switch trigger to be sure your drill is in "Off" position before connecting it to power supply.
2. Check the direction of rotation lever for correct setting (forward or reverse). See Figure 3.
3. Secure the material to be drilled in a vise or with clamps to keep it from turning as the drill bit rotates.
4. Plug your drill into power supply source.
5. Hold your drill firmly and place bit at point to be drilled.
6. 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.
7. 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 9.

## TO REMOVE BITS

### 1. UNPLUG YOUR DRILL.

**WARNING: FAILURE TO UNPLUG YOUR DRILL COULD RESULT IN ACCIDENTAL STARTING CAUSING SERIOUS INJURY.**

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

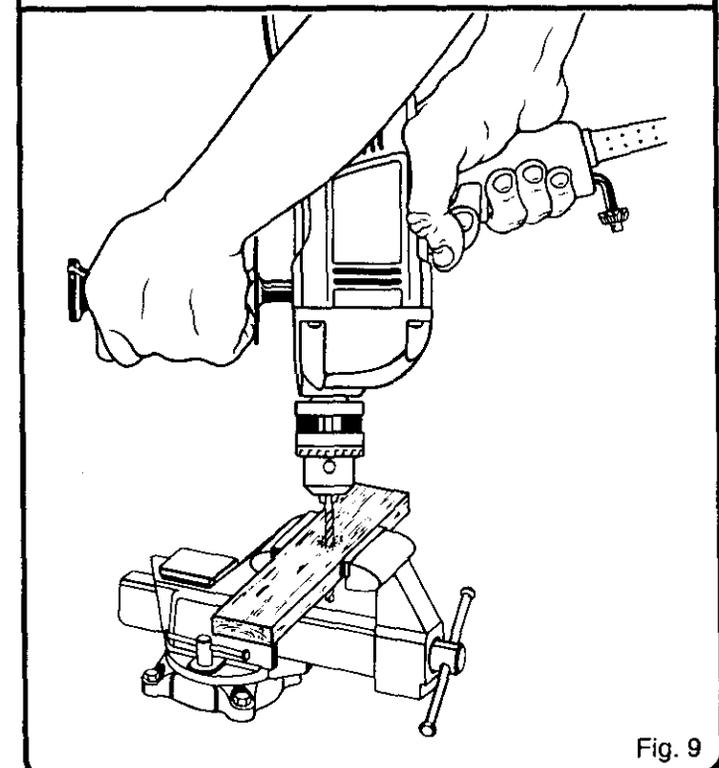
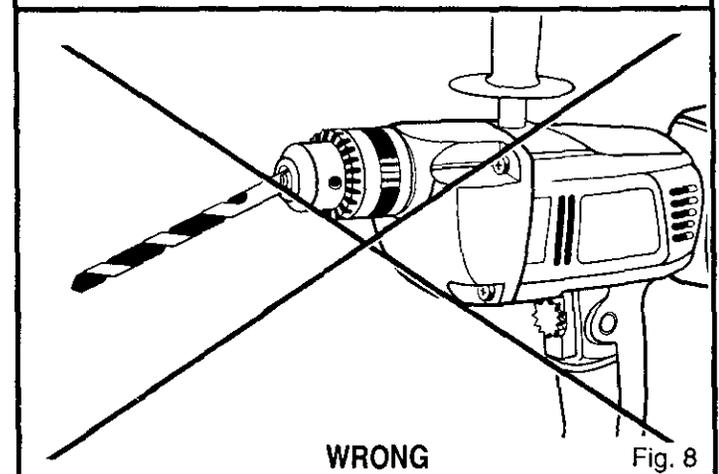
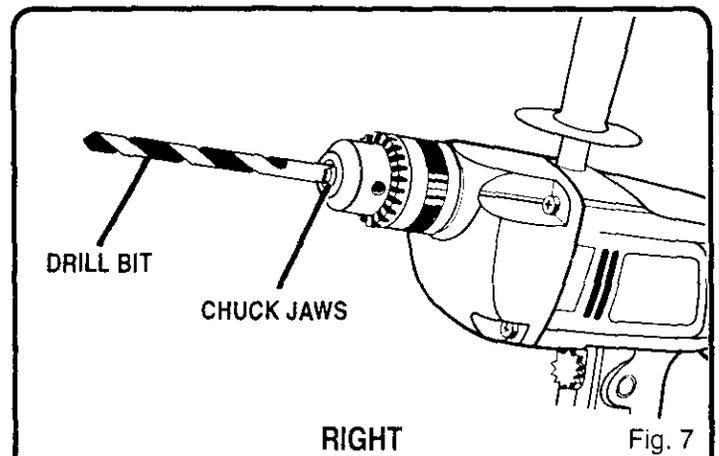


Fig. 9

# OPERATION

**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.**

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.

## CHUCK REMOVAL

See Figures 10, 11, and 12.

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

### 1. UNPLUG YOUR DRILL.

**WARNING: FAILURE TO UNPLUG YOUR DRILL COULD RESULT IN ACCIDENTAL STARTING CAUSING SERIOUS INJURY.**

2. Close chuck jaws. Insert chuck key into chuck and tap sharply with a mallet in a clockwise direction. See Figure 10. This will loosen chuck screw for removal.
3. Open the chuck jaws and remove the chuck screw by turning it in clockwise direction. See Figure 11. **NOTE:** Chuck screw has left hand threads.
4. Insert chuck key into chuck and tap sharply with a mallet in a counterclockwise direction. This will loosen it on spindle. It can now be unscrewed by hand. See Figure 12.
5. Remove chuck key and return to storage area.

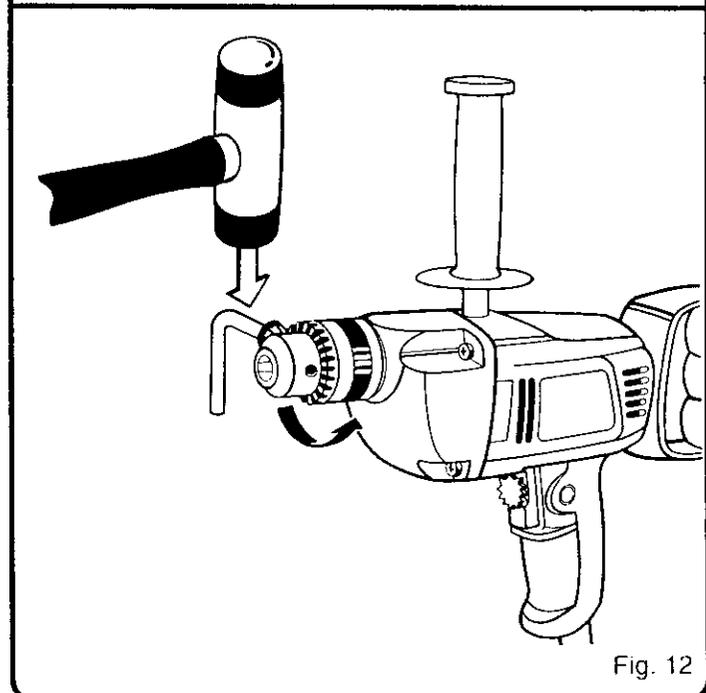
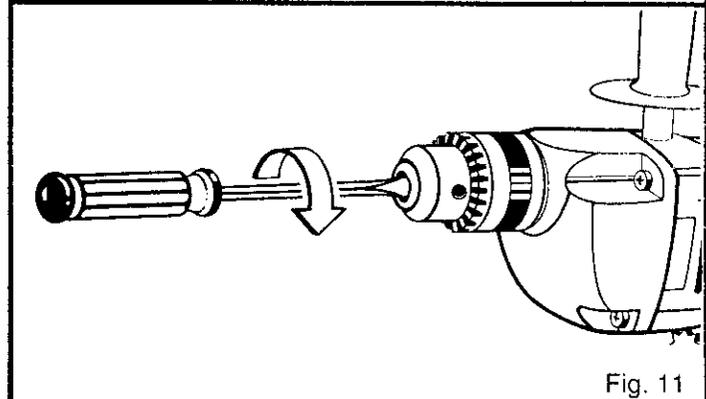
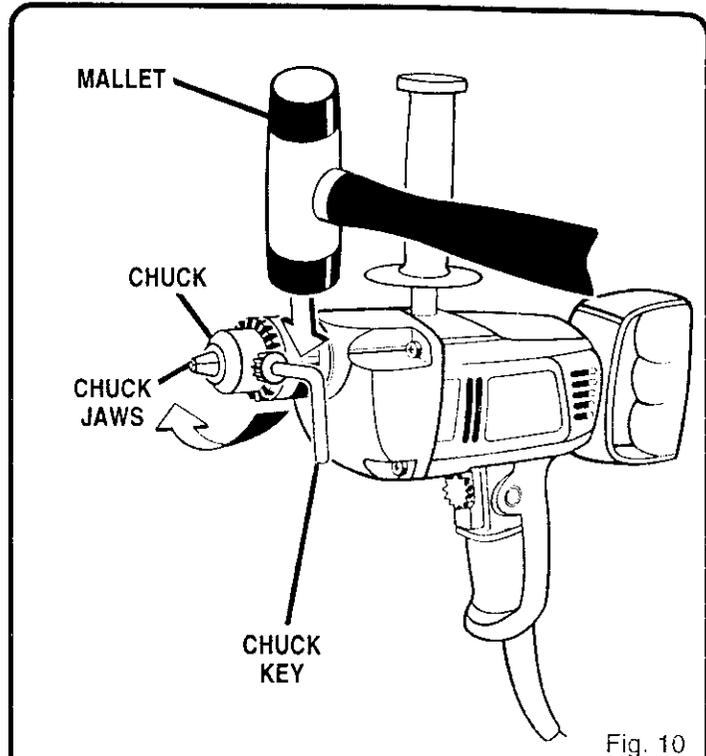
## TO RETIGHTEN A LOOSE CHUCK

The chuck may at times become loose on the spindle and develop a wobble. Also, the chuck screw may become loose causing the chuck jaws to bind and prevent them from closing. To tighten, follow these steps:

### 1. UNPLUG YOUR DRILL.

**WARNING: FAILURE TO UNPLUG YOUR DRILL COULD RESULT IN ACCIDENTAL STARTING CAUSING SERIOUS INJURY.**

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



# 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 13, 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 various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, carbon dust, etc.

**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.**

It has been found that electric tools are subject to accelerated wear and possible premature failure when they are used on fiberglass boats, sports cars, wallboard, spackling compounds, or plaster. The chips and grindings from these materials are highly abrasive to electric 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 compounds, or plaster. During any use on these materials, it is extremely important that the tool is cleaned frequently by blowing with 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.**

### 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 gauge 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.

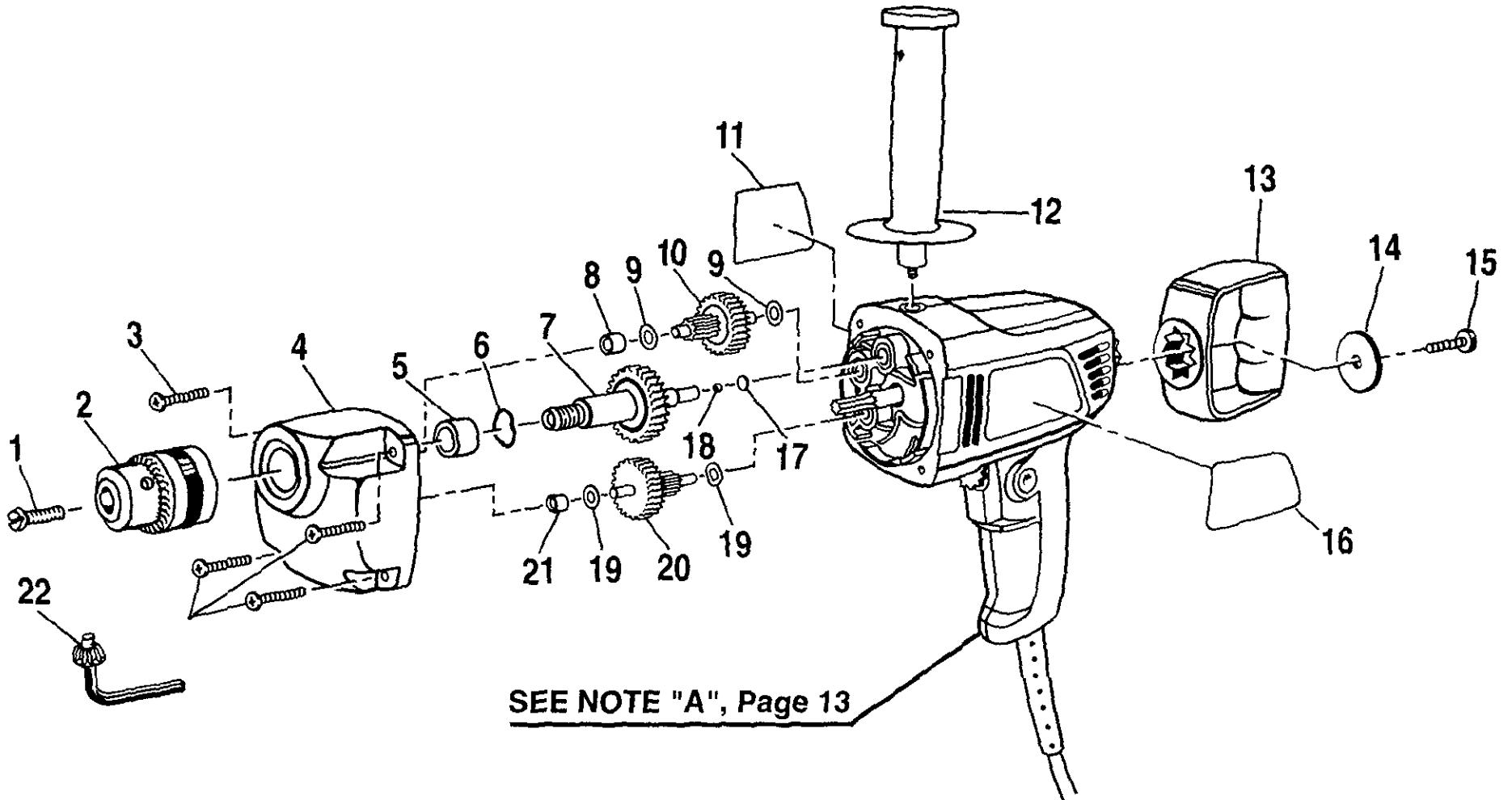
**WARNING: CHECK EXTENSION CORDS BEFORE EACH USE. IF DAMAGED REPLACE IMMEDIATELY. NEVER USE TOOL WITH A DAMAGED CORD SINCE TOUCHING THE DAMAGED AREA COULD CAUSE ELECTRICAL SHOCK RESULTING IN SERIOUS INJURY.**

## LUBRICATION

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



CRAFTSMAN 1/2 INCH DRILL - MODEL NUMBER 315.101280



SEE NOTE "A", Page 13

## CRAFTSMAN 1/2 INCH DRILL — MODEL NUMBER 315.101280

The model number will be found on a plate attached to the motor housing. Always mention the model number of your **DRILL** when requesting service or ordering repair parts.

### PARTS LIST

Key No.	Part Number	Description	Quan.
1	613150-003	* Screw (#5/16-24 x 7/8 In. Fil. Hd. Left Hand) .....	1
2	973110-001	1/2 In. Chuck .....	1
3	968703-013	* Screw (#8-32 x 7/8 In. Pan Hd. T.F.) .....	4
4	972724-004	Gear Housing (Includes Key Nos. 5, 8, and 21) .....	1
5	990963-001	Spindle Bearing .....	1
6	620789-003	Spring Washer .....	1
7	972706-001	Gear and Spindle Assembly .....	1
8	972717-001	Sleeve Bearing .....	1
9	931744-063	Washer .....	2
10	990952-001	Gear and Pinion .....	1
11	972845-001	Logo Plate .....	1
12	972895-002	Auxiliary Handle .....	1
13	972877-001	"D" Shaped Handle .....	1
14	703493-819	Washer .....	1
15	617205-006	* Screw (#1/4-20 x 7/8 In. Pan Hd.) .....	1
16	972846-001	Data Plate .....	1
17	989067-002	Thrust Washer .....	1
18	703774-005	Ball .....	1
19	931055-011	Washer .....	2
20	990953-001	Cluster Gear and Shaft Assembly .....	1
21	990962-001	Bearing .....	1
22	606858-001	Chuck Key .....	1
	972000-144	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, repairs should be performed by your nearest Sears Service Center. Contact your nearest Sears Retail Store for Service Center information.**

\* Standard Hardware Item — May Be Purchased Locally

\*\* Available From Division 98 — Source 980.00

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