

General Safety Instructions for CB500-HH

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

SAVE THESE INSTRUCTIONS!

WORK AREA

- **Keep your work area clean and well lit.** Cluttered and poorly lit work areas can be dangerous.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools generate sparks which may ignite fumes, gases or dust.
- Keep bystanders, children and visitors away while operating a power tool. Distractions can lead you to lose control.

ELECTRICAL SAFETY

- **Grounded tools must be plugged into an outlet properly installed and grounded in accordance with all codes and ordinances. Never remove the grounding prong or modify the plug in any way. Do not use any adaptor plugs. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded.**
- **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electrical shock if your body is grounded.
- **Do not expose the power tools to rain or wet conditions.** Water entering the motor of a power tool will increase the risk of electrical shock.
- **Do not abuse the power cord.** Never use the cord to carry the tools. Never pull on the cord to remove the plug from an outlet. Replace damaged cords immediately. Damaged cord increase the risk of electric shock.
- **When operating a power tool outside, use an extension cord that is marked with a “W-A” or “W”.** These cords are rated for out door use and will reduce the risk of electrical shock. When using an extension cord, be sure to use one that is of sufficient capacity to carry the max current that the tool (motor) will draw (see chart below). An underrated cord will cause a drop in the line voltage resulting in loss of power and overheating. Use the following table for the correct size of cord to use depending on cord length for the CB500-HH. If in doubt, use the next larger gage. The smaller the number, the greater the gage (size).

115 Volts	Total Length of Cord in Feet		
	0-50'	51-100'	101-150'
AWG	#14	#12	#10

PERSONAL SAFETY

- **Stay alert, watch what you are doing and use common sense when operating any power tool. Do not use power tools when tired or when under the influence of alcohol, medication, or drugs.** A moment of carelessness while operating power tools may result in serious personal injury or death.
- **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing and gloves away from moving parts.** Loose clothing jewelry or long hair can be caught in moving parts.

- **Avoid accidental starting. Be sure switch is in the off position before plugging in any power tool.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
- **Remove adjusting keys or switches before turning the tool on.** A wrench or key that is left attached to a rotating part of the tool may result in personal injury or death.
- **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enable better control of the tool in unexpected situations.
- **Use proper and appropriate safety equipment.** Always wear eye protection. Appropriate respirators or dusk masks, non-skid safety shoes, hard hat or hearing protection must be used for appropriate conditions.

TOOL USE AND CARE

- **Use clamps or other practical ways to secure and support the work piece to a stable platform.** Holding the work by hand or against your body is instable and may lead to loss of control resulting in serious personal injury or death.
- **Do not force the tool.** Use the correct tool for your application. The correct tool will do the job better and more safely.
- **Do not use the tool if the switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired prior to use.
- **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 the tool starting accidentally.
- **Store idle tools out of reach of children and other unauthorized or untrained persons.** Tools are dangerous in the hands of untrained users.
- **Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools with sharp cutting edges are less likely to bind and are easier to control.
- **Check for misalignment or binding of moving parts, breakage of parts and any other condition that could effect the tools operation.** If damaged, have the tool serviced prior to use. Many accidents are caused by poorly maintained tools.
- **Use only accessories that are recommended for or specifically designed for your model machine.** Accessories that may be suitable for a particular tool may become hazardous when used on another tool.

SERVICE

- **Tool service must be performed only by qualified and authorized repair personnel.** Service or maintenance performed by unqualified personal could result in unit failure and risk of injury.
- **When servicing a tool, use only correct replacement parts provided by the original equipment manufacturer.** Use of unauthorized parts may create a risk of electrical shock or injury.

OPERATION

- **DRILLING**
 1. Always unplug the drill when attaching or changing bits or accessories.
 2. Use sharp bits only.
 3. Be sure the material to be drilled is anchored or clamped firmly.
 4. Always apply pressure in a straight line with the bit. Use enough pressure to continue drilling, but do not push hard enough to overload the motor.
 5. Hold tool firmly to control the twisting action form the torque of the drill motor.

6. If the drill shuts down, it is usually the result of being overloaded or improperly used. Release the trigger immediately and remove the drill from the work.
7. To minimize overloads, reduce the pressure applied to drill.
8. Be sure to keep the motor running when backing the bit out of the hole. This will prevent the bit from jamming.

- **CHANGING SPEEDS**

1. The CB500-HH Drill motor is designed to be operated in one of two speeds.
2. Changing gears may be accomplished more easily by slowly rotating the spindle. Be sure that the lever completely engages the new gear. **The drill must be off and unplugged while rotating the spindle. Never shift gears while the motor is running.**
3. Never change gears when the unit is under load.
4. Changing of speeds is accomplished by using the speed selector knob located on the bottom of the spindle. For cutting in low the speed range (slow speed), turn the selector knob so that the arrow is pointing to the "L". For cutting in the high speed (fast speed) range, turn the selector so that the arrow is pointing to the "H".
5. If the motor is not operating, it may be necessary to move the spindle slightly to engage a gear. When doing so make sure that the drill motor is off and unplugged.

- **MOTOR**

Always ensure that the motor is being operated at the proper voltage.

- **MAINTENANCE**

1. Use only mild soap and damp cloth to clean the tool.
2. Do not use a pressure washer to clean the tool.
3. Do not immerse the tool in water.

- **LUBRICATION**

Drill motors have been lubricated at the factory and are ready for use. Bearings within the motor are sealed bearings that require no greasing.

- **ACCESSORIES**

Use of non-recommended accessories may be hazardous and lead to damage to the drill motor.

- **IMPORTANT**

To assure product safety and reliability all repairs, maintenance, and adjustments should be performed by authorized service centers. Always use factory authorized replacement parts.