

GENERAL SAFETY RULES FOR ALL POWER TOOLS

(Reviewed 9/27/2007)

1. Work Area

- **KEEP WORK AREAS CLEAN.** Cluttered benches invite accidents.
- **AVOID DANGEROUS ENVIRONMENTS.** Don't use power tools in damp or wet locations. Do not expose power tools to rain. Keep work area well lit.
- **KEEP CHILDREN AWAY.** Do not let visitors contact tool or extension cord. All visitors should be kept away from work area.
- **DO NOT LEAVE TOOL RUNNING UNATTENDED.** Do not leave tool until it comes to a complete stop.
- **DO NOT OPERATE POWER TOOLS IN EXPLOSIVE ATMOSPHERES,** such as in the presence of flammable liquids, gasses, or dust. Power tools create sparks which may ignite the dust or fumes.

2. Personal Safety

- **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, and refrigerator enclosures. Rubber gloves and non-skid footwear are recommended when working outdoors, where damp or wet ground may be encountered. A Ground Fault Circuit Interrupter protected power line must be used for these conditions.
- **DRESS PROPERLY.** Do not wear loose clothing or jewelry. They can be caught in moving parts. Wear protective hair covering to contain long hair.
- **USE SAFETY EQUIPMENT.** Wear safety goggles or glasses with side shields. Wear hearing protection during extended use of power tools and dust mask for dusty operations.
- **STAY ALERT & USE COMMON SENSE.** Watch what you are doing. Do not operate tool when you are tired or under influence of drugs or alcohol.
- **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

- **AVOID ACCIDENTAL STARTING.** Don't carry plugged in tool with finger on switch. Be sure switch is OFF when plugged in.
- **DON'T OVERREACH.** Keep proper footing and balance at all times.
- **BEFORE CONNECTING THE TOOL** to a power source (receptacles, outlet, etc.), be sure voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in serious injury to the user – as well as damage to the tool. If in doubt, **DO NOT** plug in the tool. Using a power source with voltage less than the nameplate rating is harmful to the motor.

“VOLTS AC” designated tools are for Alternating Current 50-60 Hz only. “VOLTS DC” designated tools are for Direct Current. Do not use AC designated tools with DC power source. Do not use electronic speed controlled tools with DC power source.

3. Tool Use and Care

- **DO NOT FORCE TOOL.** It will do the job better and safer at the rate for which it was designated.
- **USE THE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purposes not intended – for example; don't use circular saw for cutting tree limbs or logs.
- **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate the tool.
- **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges. Always keep cord from spinning blade, bits or any other moving part while the tool is in use.
- **OUTDOOR EXTENSION CORDS.** When tool is used outdoors. Use only extension cords suitable for use outdoors and marked with suffix W-A (for UL) or W (for CSA). Refer to “Recommended Sizes for Extension Cords” table below.

Recommended Size for Extension Cords Table

TOTAL LENGTH OF CORD IN FEET				
Motor Ampere Rating	0 to 25	26 to 50	51 to 100	101 to 150
0 to 6 amps	18 AWG	16 AWG	16 AWG	14 AWG
6 to 10 amps	18 AWG	16 AWG	14 AWG	12 AWG
10 to 12 amps	16 AWG	16 AWG	14 AWG	12 AWG
12 to 16 amps	14 AWG	12 AWG	Not Recom.	Not Recom.

- **DISCONNECT TOOLS.** When not in use; before servicing; when changing blades, bits, cutters, etc.
- **STORE IDLE TOOLS.** When not in use, tool should be stored in dry, high or locked up place—out of the reach of children.
- **DO NOT ALTER OR MISUSE TOOL.** These tools are precision built. Any alteration or modification not specified is misuse and may result in a dangerous condition.
- **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instruction for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean and free from oil and grease.
- **CHECK DAMAGD 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 or 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. Have defective switches replaced. Do not use tool if switch does not turn on or off.
- **ALL REPAIRS ELECTRICAL OR MECHANICAL** should be attempted only by trained repairmen. Contact the nearest Factory Service Center or Authorized Service Station, or other competent repair service.