



## OPERATING INSTRUCTIONS

**SAFETY FIRST!** Please take time to carefully read all the instructions and rules for safe operation in this booklet.

**SAFETY GLASSES:** Always wear safety glasses when using a power tool. Also use face or dust mask if cutting operation is dusty.

**BLADE GUARD:** The blade guard attached to your saw is for your safety and protection. If it becomes damaged, do not operate your saw until it has been repaired. Always leave blade guard in operating position when using the saw.

**DOUBLE-INSULATED:** This tool is constructed with two separate layers of electrical insulation. A tool built with this insulation system does not need to be grounded.

**DANGEROUS ENVIRONMENTS:** Keep work area clean; clutter invites accidents. Do not use power tool on damp or wet floor. Be sure that there is good lighting.

**ACCIDENTAL STARTING:** To avoid accidental starting, do not carry tool with fingers on switch.

**CORD ABUSE:** Never carry tools by the cord or yank the cord to disconnect from an outlet. Keep cords away from heat, oil, and sharp edges.

**EXTENSION CORD:** To minimize power loss and prevent over-heating, use maximum of 25 feet long and 16 AWG.

**KEEP BLADES CLEAN AND SHARP:** Using a dull blade will place a heavy load on your saw and increase the danger of kickback.

**SPECIAL SAFETY NOTE:** The Super Saw is a flush-cutting saw. It has a flat socket set screw for mounting the blade. The No. 803 Combination and No. 804 Carbide-Tipped Blades have .065" thick bodies and they are specially designed for the flush mount on the saw. Always use Crain replacement blades. Using other blades with a "diamond knockout" arbor hole or thinner body can be dangerous.

### BLADE CHANGING:

**BLADE SELECTION:** For rough undercutting along walls and jamb where nails are likely to be encountered, use .104 Carbide-Tipped Blade (included), or damage-free result. The No. 803 Combination Blade is for cutting on woods that splinter (i.e., mahogany, iron pine, etc.). The No. 804 Carbide-Tipped Blade is a dry-cut composition blade.

### BLADE REMOVAL:

For No. 803/804 Blade: Insert an Allen Wrench into the blade's hole (as shown in figure 1) to stop blade rotation.

For No. 805 Masonry Blade: Grip the blade with a pair of pliers. Insert an Allen Wrench (provided) and turn counterclockwise to loosen the Socket Set Screw.

Note: For extra leverage, insert an extending tube onto the Allen Wrench; this extra long handle will help you to remove the Socket Screw (see figures 1 & 2).

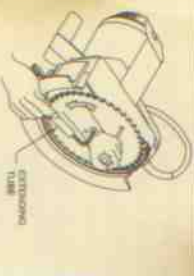


Figure 1 - 803/804 Removal



Figure 2 - 805 Removal

### BLADE INSTALLATION:

For No. 803/804 Blade: See figure 3. Install the Blade Driver Spacer, Blade Driver Assembly, then No. 803 or No. 804 Blade. Use the Allen Wrench provided and tighten the Socket Set Screw before use. NOTE: The shoulder of the Blade Driver Spacer must be facing toward the Power Unit Spindle. For No. 805 Masonry Blade: First, remove all No. 803 or No. 804 components. Second, install the Masonry Blade Spacer, No. 805 Masonry Blade, and Masonry Blade Clamp, in that order (see figure 4). Always retighten the Socket Set Screw firmly before use.

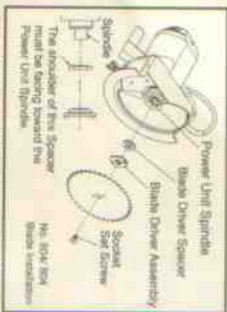


Fig. 3 - 803/804 Installation



Fig. 4 - 805 Installation

**HEIGHT ADJUSTMENT:** Unplug the saw. Refer to figure 5. Loosen the three wing nuts on the height adjuster. Adjust the height of your blade by moving the height adjuster up or down until desired cut height is achieved. The inside of the height adjuster has 8 reference lines, in height increments of 1/16". Use these lines as a guide. The lines must be set parallel to the bottom edge of the horseshoe. This ensures that a parallel relationship exists between the blade and the floor, critical for safety and straight cutting. The maximum height adjustment is 1".

**DEPTH ADJUSTMENT:** Unplug the saw. See figure 6. Loosen the Depth Gauge Locker under the power unit handle to adjust the depth gauge. Retighten the locker firmly before use. The maximum depth adjustment is 2".

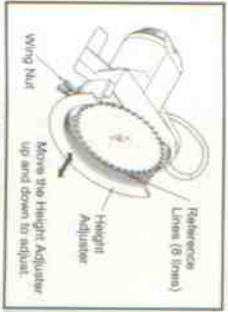


Figure 5



Figure 6

## USING THE SAW:

### DOOR JAMB AND MOULDING UNDERCUTTING:

Refer to figures 7 & 8. Door jambs and mouldings can be undercut to allow the floor material to fit underneath. First, set the height adjuster for desired thickness of undercut for the flooring material. Then set the depth gauge to cut the minimum necessary amount (from 3/8" to 1/2" undercut).

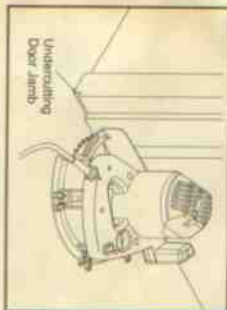


Figure 7



Figure 8

### DOOR CUTTING:

Refer to figure 9. Doors up to 1 3/4" thick can be cut-off cleanly without removal from hinges. Open door to the maximum, away from the casements. Work from the inside of the door outward, away from the hinges. To avoid splintering veneer doors, apply wide masking tape to the door sides for the blade to cut through. To cut off higher than 1", a plywood sheet of the desired extra thickness can be placed under the Super Saw.

### POCKET-DOOR CUTTING:

Refer to figure 10. This takes two people. One must hold the saw down and in a fixed position, while the other person slowly pulls the door into the blade. The remaining cut radius can be removed by a handsaw.



Figure 9

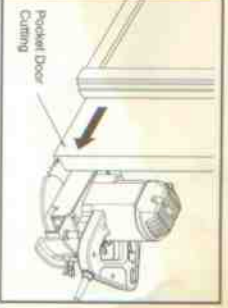


Figure 10

### TOPSET COVE BASE CUTTING:

Refer to figure 11 (see other side). For topset cove base, adjust height to remove just enough base to fit the new floor covering underneath. Set the depth gauge to cut the minimum depth required. Work slowly to avoid loosening the base from the wall.