

## Undercut Saw

### OPERATING INSTRUCTIONS

This Multi-Undercut Saw is designed for undercutting wooden doorjamb, moldings, and base to allow new floor coverings to be fit underneath. Do not use this saw for sanding floors, cutting metal, or any other purpose not described in this instruction manual.

**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.

**EAR PROTECTION:** Wear ear plugs when using this saw.

**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.

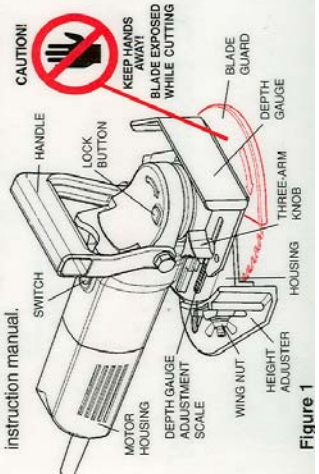
**CORD ABUSE:** Never carry tools by the cord or yank the cord to disconnect from an outlet. Keep cords away from heat, oil, and sharp edges.

**EXTENSION CORD:** To minimize power loss and prevent over-heating, use maximum of 25-foot 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. For replacement, use only Crain #556 Carbide-Tipped Blade.

### WORKING TERMINOLOGY: Figure 1

Please refer to the diagram below for the terms used in this instruction manual.



### BLADE REMOVAL: see Figure 2

- Turn off and unplug saw.
- Retract the height adjuster flush with the base to allow clearance for wrench.
- Push the lock button down with one hand and insert the spanner wrench into the clamp nut with other hand, then turn until the spindle engages with the lock button (blade stops rotating).
- Hold onto the power unit's plastic housing; then, push hard on the spanner wrench counter-clockwise to open.

### BLADE INSTALLATION: see Figure 3

- Unplug the saw.
- Align the blade driver's slot to the power unit's spindle cutout.
- Insert new #556 Carbide-Tipped Blade onto the spindle.
- Hand tighten the clamp nut and be sure the blade is centered and fully seated.
- Always re-tighten the clamp nut firmly with the spanner wrench before use.
- Re-adjust and check for proper height adjustment before further use.

### HEIGHT ADJUSTMENT: see Figure 4

- Unplug the saw.
- Loosen two wing nuts on height adjuster about 1-1/2 to 2 turns (do not back off the wing nuts more than necessary).
- Adjust the height of your blade by moving the height adjuster up or down until desired height of cut is achieved. The inside of the height adjuster has 10 reference lines, in height increments of 3/32" (.093"), a thickness of the blade.

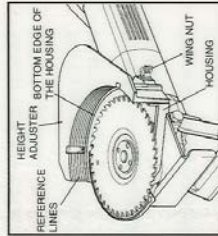


Figure 4

- Use these lines as a guide for adjustment. The housing must be set parallel to the floor. This is critical for safety and straight undercutting. The maximum height adjustment is 1".
- Re-tighten the wing nuts tightly before use.

### DEPTH ADJUSTMENT:

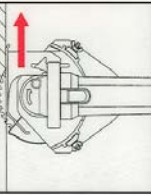


Figure 5

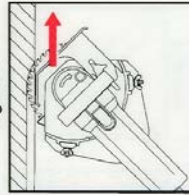


Figure 6

- Depth adjuster accurately controls depth of cut from either straight-on (figure 5) or a 45° angle (figure 6).
- To adjust, loosen the three-arm knob on the depth gauge and move the depth gauge in and out as required.
- A depth gauge adjustment scale is provided just behind the three arm knob with nine 1/8" increments (figure 7).
- Re-tighten the three-arm knob firmly before use.
- We recommend that you set the depth of cut to no more than 1/2" to minimize the chance of hitting wall studs or nails, etc.
- Remove the depth gauge when cutting inside corners.

### USING THE SAW:

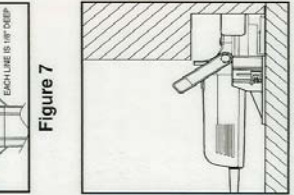


Figure 7

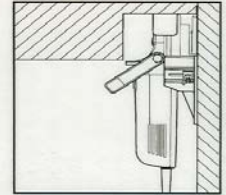


Figure 8

- Make sure the blade clamp nut and handle screws are tightened securely.
- Always keep the handle in the vertical position for general undercutting.
- Turn the handle away from the toe kick for undercutting toe spaces (see figure 8).
- Plug-in the saw; hold firmly and push the switch forward to turn the power unit ON.