The No. 805 Masonry Blade

DOOR CUTTING: 

- Open the door to the maximum height, away from the case- ments. Work from the inside of the door outward, away from the hinges. To avoid splitting veneer doors, it may be advisable to score the veneer surface at the desired height of the cut, prior to using the saw. An application of wide masking tape in the cutting zone also helps reduce splintering, and will protect the saw housing from scratching the veneer. DO NOT MOVE OR LIFT DOOR WHILE CUTTING OR KICKBACK MAY RESULT!

- NOTE: The maximum thickness of cut is 1/4", which is adequate for most doors. Check for adequate depth of cut before starting. Thicker doors may require cuts from both sides of the door. Take care not to leave a thin remnant of door on the opposite side, which can easily break off and crack the veneer. Also, check that the floor is at the same elevation on both sides of the door, or additional height adjustment may be required.

- The maximum height of cut is one inch. To cut off more than one inch, place a flat sheet of plywood underneath the saw.

POCKET DOOR CUTTING:

- Take precautions necessary for veneer doors and check door thickness as described above (Under “Door Cutting”). Pocket door cutting requires two people. One must hold the saw down and in a fixed position, while the other person slowly pulls the door into the blade. DO NOT LIFT DOOR OR THE SAW WHILE CUTTING OR KICKBACK MAY RESULT!

- Remove any unfinished area at the bottom of the pocket door with a hand saw, following along in the pre-established cut.

MASONRY, STONE, OR TILE UNDERCUTTING:

- The No. 805 Masonry Blade is primarily used for cutting brick. It is not used on tile or stone. Use the No. 822 Diamond Blade for cutting brick, tile, or stone.

- Masonry, stone, and tile undercutting creates a lot of dust. We strongly recommend the operator wear a dust mask and place a light cloth over the air intake on the motor. This will prolong the life of the saw.

- DO NOT use this saw for cutting steel or aluminum. Sparks can cause fire in the wall behind the door casing.

MAINTENANCE:

- If saw is dropped, the blade guard may be bent or otherwise damaged, restricting full return. Sawdust that accumulates behind the blade guard will cause it to become clogged, especially drywall dust. Check operation of the blade guard before each use. Do not use the saw if the blade guard does not operate properly. When not in use, store saw in the custom carrying case. The saw motor may run even if the switch malfunctions, causing the motor to not shut off. Do not use saw if the switch malfunctions. Repair the switch immediately.

WARNING:

- Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:
  - lead from lead-based paints,
  - crystalline silica from brick, 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.

GUARANTEE

This Crain No. 825/825V Heavy Duty Undercut Saw is guaranteed to be free of defects in workmanship and quality of materials for a period of one year. Any part of this saw found defective subject to the guarantee will be replaced at no charge. Credit in full or part cannot be extended by the distributor, nor will a new saw be given as a replacement or less than new.

Saws subject to this warranty must be accompanied by same, returned freight PREPAID to Milpitas, CA, and must be in assembled condition.

DATE OF FMG.

CRAIN CUTTER CO., INC.
Milpitas, CA 95035 TEL: (408) 946-6100
www.craintools.com

Printed by: HF  FORM F1825-Rev.02/10

INSTRUCTION MANUAL

No. 825/825V

HEAVY-DUTY UNDERCUT SAW

WARNING:

• IN USE, KEEP ONE HAND ON THE SWITCH HANDLE AND ONE HAND ON THE RATCHET HANDLE. DON'T REMOVE A HAND TO CLEAR DEBRIS.

KICKBACK HAZARDS:

• THIS SAW PLUNGE-STARTS. PLUNGE SLOWLY BEFORE PUSHING FORWARD!

• KEEP RPM HIGH. DON'T FORCE THE SAW, ESPECIALLY WHEN NAILS MAY BE PRESENT.

HEAT ADJUSTMENT: KEEP THE BLADE HOUSING FLAT ON LEVEL FLAT, AND KEEP BLADE PARALLEL TO THE WALL AT ALL TIMES.

• ALWAYS PUSH SAW AGAINST BLADE ROTATION. NEVER PULL TOWARDS YOU OR RUN IN REVERSE.

SAFE OPERATING POSITION: KEEP KNEES AND OTHER BODY PARTS OUT OF KICK BACK ARC. KNEEL TO THE SIDE! DO NOT USE STANDING UP!

INSTRUCTION MANUAL

CRAIN CUTTER CO., INC.
Milpitas, CA 95035 TEL: (408) 946-6100
www.craintools.com

Printed by: HF  FORM F1825-Rev.02/10

INSTRUCTION MANUAL

No. 825/825V

HEAVY-DUTY UNDERCUT SAW

WARNING:

• IN USE, KEEP ONE HAND ON THE SWITCH HANDLE AND ONE HAND ON THE RATCHET HANDLE. DON'T REMOVE A HAND TO CLEAR DEBRIS.

KICKBACK HAZARDS:

• THIS SAW PLUNGE-STARTS. PLUNGE SLOWLY BEFORE PUSHING FORWARD!

• KEEP RPM HIGH. DON'T FORCE THE SAW, ESPECIALLY WHEN NAILS MAY BE PRESENT.

HEAT ADJUSTMENT: KEEP THE BLADE HOUSING FLAT ON LEVEL FLAT, AND KEEP BLADE PARALLEL TO THE WALL AT ALL TIMES.

• ALWAYS PUSH SAW AGAINST BLADE ROTATION. NEVER PULL TOWARDS YOU OR RUN IN REVERSE.

SAFE OPERATING POSITION: KEEP KNEES AND OTHER BODY PARTS OUT OF KICK BACK ARC. KNEEL TO THE SIDE! DO NOT USE STANDING UP!

INSTRUCTION MANUAL

CRAIN CUTTER CO., INC.
Milpitas, CA 95035 TEL: (408) 946-6100
www.craintools.com

Printed by: HF  FORM F1825-Rev.02/10
SAFETY FIRST

The Heavy-Duty Undercut Saw is designed for undercutting affixed woods, door jambs, moldings, base, as well as masonry and stone, to allow new floor coverings to fit underneath. Do not use this saw for sanding floors, cutting metal, or any other purpose not described in this instruction manual.

HANDLES: In use, keep both hands on the handles at all times.

KICKBACK HAZARDS: While cutting, do not force the saw. Also, keep the housing flat on the floor and the blade parallel to the floor at all times. Angling may cause powerful, dangerous kickback. Keep the saw RPMs high. Using a dull blade will place a heavy load on your saw and increase the danger of kickback. Use only Crain replacement blades.

DULL BLADE: A dull blade will place a heavy load on your saw and increase the danger of kickback. Use only Crain replacement blades.

EYE & EAR PROTECTION: While using a power tool. Wear ear plugs when using this saw.

DOUBLE-INSULATED: Not operate your saw until it has been repaired. Keep the housing flat on the floor. Also, keep the housing flat on the floor and the blade parallel to the floor at all times. When undercutting wood and expose blade.

ACCIDENTAL STARTING: To start a cut, use the wall to push the blade guard back and expose blade. DO NOT USE WITHOUT HANDLE.

HEIGHT ADJUSTMENT: A depth gauge adjustment scale is engraved on the depth gauge with twelve 1/8" increments (figure 6).

DEEP CUTS: We recommend the depth of cut to be set no more than 1/2" to minimize the chance of hitting wall studs, nails, etc.

KNOB: Insert and re-tighten the Allen® wrench clockwise to open. If the blade is dull, it is hard to remove, use a Vise Grip® to hold the blade.

HEIGHT ADJUSTMENT: Turn the height adjustment three-arm knobs clockwise to increase blade height and counter clockwise to decrease height. It is best to turn both height adjustment three-arm knobs at the same time to ensure the blade is set parallel with the floor.

Both the front of the height adjuster, and the inside of the height adjustment have 10 reference lines, in 1/2" or 1/4" increments (0.993", one blade thickness - figure 5). Max. height is 1".

To prevent saw kickback, the blade must be set parallel to the floor. This can be ensured by checking from the front of the saw that, on BOTH sides of the blade housing, the number of lines below the bottom edge of the blade housing are the same (figure 4). OR by turning the saw over and making sure the bottom edge of the blade housing is completely parallel with a reference line (figure 5).

THREE-ARM KNOB: Turn the height adjustment three-arm knobs clockwise to increase blade height and counter clockwise to decrease height. It is best to turn both height adjustment three-arm knobs at the same time to ensure the blade is set parallel with the floor.

Both the front of the height adjuster, and the inside of the height adjustment have 10 reference lines, in 1/2" or 1/4" increments (0.993", one blade thickness - figure 5). Max. height is 1".

To prevent saw kickback, the blade must be set parallel to the floor. This can be ensured by checking from the front of the saw that, on BOTH sides of the blade housing, the number of lines below the bottom edge of the blade housing are the same (figure 4). OR by turning the saw over and making sure the bottom edge of the blade housing is completely parallel with a reference line (figure 5).

It may be easiest to set the saw blade flat on top of the flooring to be fit beneath the desired undercut, and turn the height adjuster three-arm knobs clockwise until the height adjuster rests flat on the floor. From that point, for a snug fit with the new floor, adjust height down by one reference line (one blade thickness).

SECURELY TIGHTEN THE BLADE LOCK SCREW BEFORE USE.

USING THE SAW:

Place the saw flat on the floor near the wall to be undercut. Make certain, blade is set parallel to the floor.

Make sure the blade holding screw, and height locking wing screws are tightened securely. Handle ratchet teeth should interlock and three-arm knobs be tightened securely (figure 10).

Always keep the handle in the vertical position for general undercutting.

 Lower the handle for under-cutting toe spaces (figure 11). Be sure to lock knobs.

Plug in the saw and grasp handles firmly with both hands. Keep one hand on the switch handle and one hand on the ratchet handle at all times. Depress the safety lock button, then pull the power trigger.

To start a cut, use the wall to push the blade guard back and expose blade. DO NOT USE WITHOUT HANDLE.

First, plunge slowly to appropriate depth. Second, push the saw forward. Move the saw from left to right only. Don’t force the saw; let blade cut at highest RPM possible. Do not pull the saw towards you or run in reverse. Do not lift or angle the saw or kickback may result.

Remove the saw from the cut, and release the switch to stop.

INSIDE CORNER CUTTING:

Cut towards the corner at 45° angle (see figure 12) until the depth gauge meets the right wall (see figure 13).

Stop and unplug saw. Fully retract depth gauge and continue the cut.

Push saw into the corner as shown (see figure 14). WARNING: Depth gauge covers the blade and makes the saw safer to use. Always unplug the saw and reset the depth gauge when inside corner cutting is complete.