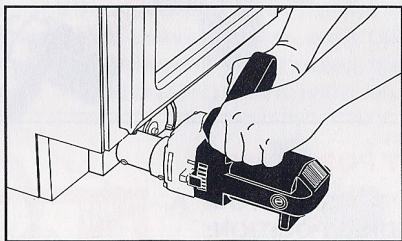
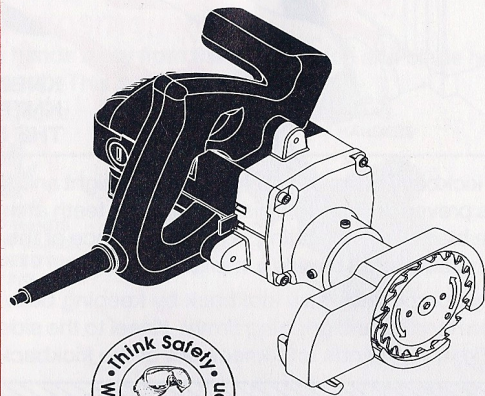


# INSTRUCTION MANUAL FOR



# CRAIN

## No. 775 TOE-KICK SAW

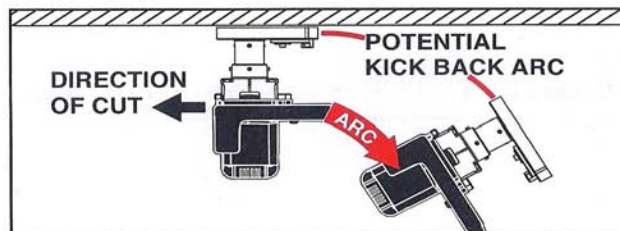
### PREVENTING & PREPARING FOR KICKBACK

Saw kickback is a sudden reaction to a pinched, bound, or misaligned saw blade, causing the saw to jump backward towards the user.



Saw kickback is preventable. Cutting straight and forward helps prevent kickback. This prevents the teeth at the back of the blade from grabbing in the top surface of the wood, which causes the saw to jump backward.

Always prepare for saw kickback by keeping both hands on the handles and gripping firmly. Kneel to the side of the saw, keeping hands and knees out of the kickback arc.



### BODY POSITIONING

#### DON'T USE FROM A STANDING POSITION:

This is a floor saw. Don't try to use from a standing position. Brace yourself by kneeling, keeping body weight behind and to the side of the saw. Keep a firm grip.



#### DON'T USE OUTSIDE TOE SPACES:

When used with carbide tipped blades, this tool is designed for use under toe spaces only. Don't use this saw for cutting loose pieces of wood, such as plywood.



### ALLOW MOTOR TO STOP AT THE END OF THE CUT:

At the end of a cut, allow the motor to fully stop before removing the saw from the cut, or removing hands from the handles. Otherwise, if the saw blade is still spinning, the saw can catch and kick back toward the user.



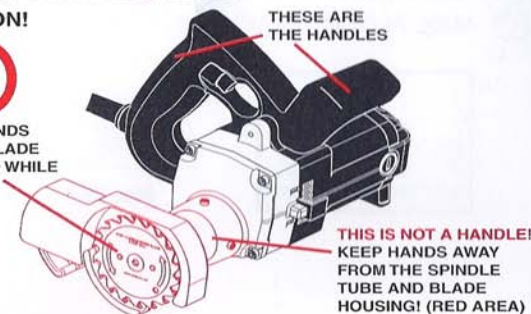
### HAND POSITIONING:

Keep hands away from the spindle tube and blade housing (red area). This is not a handle!

#### CAUTION!

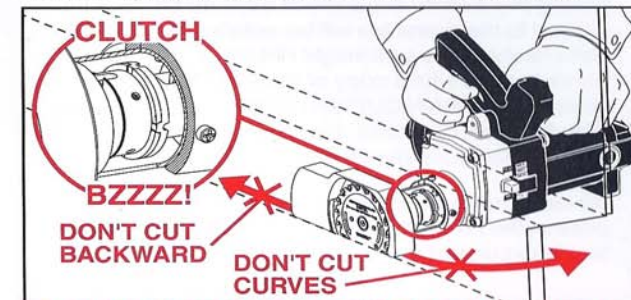


KEEP HANDS AWAY! BLADE EXPOSED WHILE CUTTING



### KICKBACK REDUCING CLUTCH

This saw has a kickback reducing clutch that helps reduce kickback forces. If the saw is abused by making anything other than straight cuts (curves, angles, etc.), OR by attempting to cut backwards rather than forward, the clutch may disengage. A loud buzzing sound will occur.



**CUTTING BACKWARD OR CUTTING CURVES MAY CAUSE CLUTCH TO DISENGAGE.**

If the clutch disengages, immediately release the switch and allow the motor to stop. Remove the saw from the cut and allow the blade guard to extend before restarting the motor and resuming the cut.

The saw's clutch can withstand about 500 disengagements before the saw will no longer transmit sufficient power to the blade for cutting. At such time factory service is required. Don't waste the clutch.

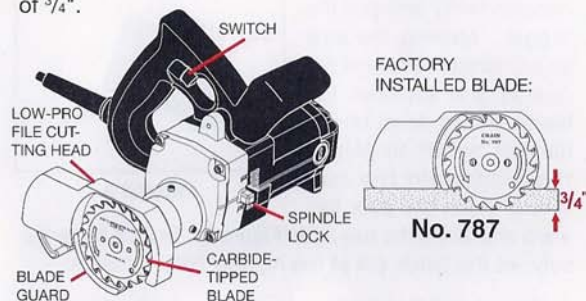
## FEATURES OF THE SAW:

This saw is designed for removal of floors or underlayment under toe-spaces. It cuts flush to the wall of the toe space. Please note these features of the saw.

**LOW-PROFILE CUTTING HEAD:** Will fit under toe-kicks as low as 3" in height.

**SPINDLE LOCK:** For blade changes, the spindle lock stops the blade rotation, so that the blade can be easily removed. This is NOT to be used as a motor brake!

**CARBIDE BLADES & DEPTH OF CUT:** The saw comes with a 3 3/8" diameter carbide blade (No. 787) that cuts underlayment up to 3/4" thick. It cuts to a fixed depth of 3/4".



**WARNING:** Regarding carbide blades, use only Crain No. 787 Carbide-Tipped Blades. The kickback reducing clutch is calibrated to this blade diameter ONLY!

**WARNING:** Check the depth of the underlayment to be cut. If it is less than 3/4" thick, to prevent subfloor damage, nail down a strip of additional underlayment at least the width of the saw to adjust the cutting depth. Make sure the blade cuts through both underlayment thicknesses. Cutting through a gap can cause binding and kickback.

**WARNING:** Don't adjust cutting depth by shimming up the saw by affixing shims to any of its parts, or by manually holding the saw at an elevation off the floor.

## BLADE CHANGE:

Unplug the saw. Push and hold the spindle lock to stop blade rotation. While holding the spindle lock lever, insert the 3/16" hex wrench (provided) into the blade's socket set screw and turn it counter-clockwise to loosen. Note: For extra leverage, insert an extension tube onto the hex wrench. Replace with new blade and



## BLADE CHANGE (continued):

retighten the screw firmly before use. Make sure spindle lock is pulled out before turning saw on.

## OPERATING:

To avoid accidental starting, DISCONNECT THE SAW FROM POWER SOURCE before inserting the cutting head into the toe-space. The safest way is by angling it in (Figure 1).

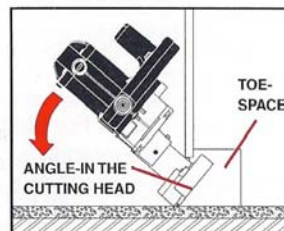


FIGURE 1

Plug-in the saw. Grasp the handles firmly and pull the trigger. Moving the saw slowly forward retracts the guards and exposes the blade. Press down on the handles slowly to plunge the blade into the cut. Slowly push the saw forward and along the toe-kick (Figure 2). Do not force the saw; let the blade cut at the highest RPM possible.

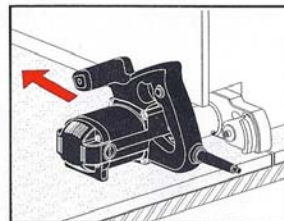


FIGURE 2

As you complete the cut, release the trigger and make sure the motor comes to a full stop before removing the saw from the toe-space. Unplug the saw before removing from the toe-space.