

## Radial Arm Saw

<b>Description</b>	Radial Arm Saw
<b>Size / Horse power</b>	10" Blade / 3/4 HP / 3450 RPM
<b>Power source</b>	120 volt through plugged power cord
<b>Uses</b>	Precision cut wood, plywood, plastic panels to size.

### Safety Precautions

<b>Hazards</b>
Severe cuts, potential for amputation
Flying debris (potential eye and face damage)
Electrical shock
Entanglement of hair, jewelry, or clothing
Material kickback
<b>Training</b>
Shop Safety Fundamentals
Site Specific Training
<b>Protective Equipment</b>
Safety glasses
Hearing Protection



### Operation

#### Startup

1. Put on PPE listed above
2. Ensure cabinet wheels are raised/locked to prevent movement during use.
3. Inspect tool for damage or obstructions to operation
4. Ensure work area is clean and free of obstacles
5. Ensure all guards are present and function properly
6. Make necessary adjustments for safe operation – blade height and angle, fence or miter gauge settings
7. Turn on saw using power switch located on the front of the saw.  
Pull on, push off (Requires yellow key)
8. Begin work

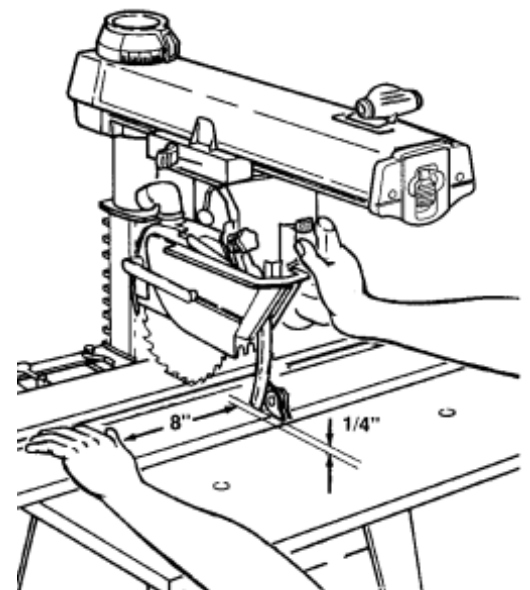


#### Shutdown

1. Turn off tool using power switch on lower the front panel
2. Allow table saw to stop on its own
3. Remove cut pieces after blade has stopped

#### Cross Cut

1. Set arm at right angle to the guide fence, at 0° on the miter scale
2. With the miter latch in column slot at 0° position, securely lock arm with arm clamp handle
3. Place material on worktable, against guide fence. Keep hands at least 8 inches away from the blade.
4. Draw saw blade across for the cut, after completing cut, return saw blade behind guide fence

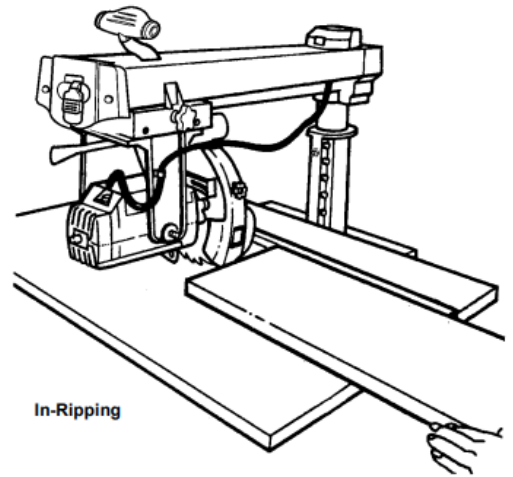


## Miter Cut

1. Pull arm clamp handle and swing saw into desire angle shown on the miter scale
2. Then miter latch locates the popular left and right angles automatically
3. Push clamp handle down to lock the arm
4. Draw saw blade across for the cut, after completing cut, return saw blade behind guide fence

## Rip Cut

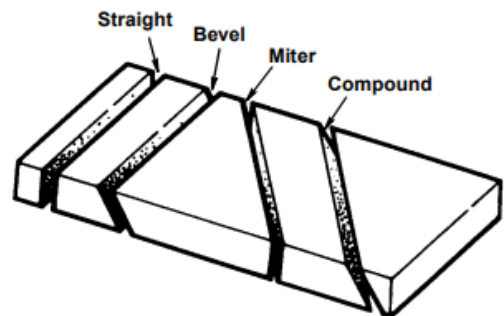
1. Start with the arm locked in the cross cut position
2. Revolve motor 90° and lock
3. Lower blade to just clear the table. Lock blade carriage desired distance from the fence
4. Lower riving knife to table. Lower pawls to work piece surface. Move work piece toward outfeed side until one set of pawls rests level on work piece surface. Lock in place
5. With material against guide strip, feed material evenly into the saw blade



The following cuts are considered to be **Advanced Techniques for radial arm saws. Authorization and site-specific training must be obtained before using these techniques.**

## Bevel Cut

1. Start in the cross cut position
2. Elevate the saw using the height adjustment crank
3. Release the bevel clamp handle and tilt the motor and yoke to angle desired on bevel scale (locking pin locks in at 0°, 45° and 90°)
4. Lower the saw to the desired depth using the height adjustment crank
5. Draw saw blade across for the cut, after completing cut, return saw blade behind guide fence



## Compound Miter Cut

1. Start in the bevel cut position
2. Pull the arm clamp handle and swing the arm into the desired miter position
3. Relock the arm clamp handle
4. Draw saw blade across for the cut, after completing cut, return saw blade behind guide fence

## Bevel Rip

1. Start in the Bevel cut position
2. Place the saw into the rip cut position and (using rip lock) lock securely against the arm at desired point
3. Lower the guard at the in-feed position, adjust the kickback device
4. Feed material evenly and firmly against the guide

Changing Blades – **Performed by Authorized Personnel Only**

## Maintenance

<b>Storage</b>	
<b>Accessories</b>	<ul style="list-style-type: none"> <li>• Blade Guard</li> <li>• Blade Change Wrenches</li> </ul>
<b>Care</b>	<ul style="list-style-type: none"> <li>• Saw must be unplugged or have the power switch toggle locked out when changing blades. These changes must be performed by authorized personnel only</li> <li>• Install blade with teeth pointing toward operator (rotating toward table top)</li> </ul>