DeWalt Radial Arm Saw

Description
Radial Arm Saw – Model R-1450

Size / Horse power
10” Blade / 3/4 HP / 3450 RPM

Power source
120 volt through plugged power cord

Uses
Precision cut wood, plywood, plastic panels to size.

Safety Precautions

Hazards
Severe cuts, potential for amputation
Flying debris (potential eye and face damage)
Electrical shock
Entanglement of hair, jewelry, or clothing
Material kickback

Training
Shop Safety Fundamentals
Site Specific Training

Protective Equipment
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 table saw using power switch located on the front of the saw
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 work table, against guide fence
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. Pull the motor to the end of the arm, pull the yoke clamp handle against pin lifter
3. Revolve motor 90° and lock the yoke clamp. Lock saw carriage by tightening rip lock against the side of the arm
4. Adjust safety guard so that it almost touches the material. Lower the kickback assembly so that the fingers are ½” lower than the material
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

Maintenance

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<table>
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<tr>
<th>Accessories</th>
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<td>• Blade Guard</td>
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<td>• Blade Change Wrenches</td>
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<th>Care</th>
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<tr>
<td>• Saw must be unplugged or have the power switch toggle locked out when changing blades. These changes must be performed by authorized personnel only</td>
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<td>• Install blade with teeth pointing toward operator (rotating toward table top)</td>
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