Craftsman 10” Tilting Arbor Saw

<table>
<thead>
<tr>
<th>Description</th>
<th>Tilting Arbor Saw – Model 113.27520</th>
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<tbody>
<tr>
<td>Size / Horse power</td>
<td>10” Blade / 3/4 HP / 3450 RPM</td>
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<td>Power source</td>
<td>120 volt through plugged power cord</td>
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<td>Uses</td>
<td>Precision cut wood, plywood, plastic panels to size.</td>
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### 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
- Push stick for narrow cuts

### Operation

#### Startup
1. Put on PPE listed above.
2. Ensure 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 at the lower right corner of the front panel.
8. Begin work.

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

#### Blade adjustment
1. Height
   - a. Crank hand wheel counter clockwise to raise blade and clockwise to lower blade.
   - b. Tighten the bevel lock handle to maintain the desired height.
2. Angle
   - a. Crank hand wheel counter clockwise to increase blade angle. Use red pointer on front panel to set desired angle.
b. Tighten the bevel lock handle to maintain the desired angle.
Cross-cut (across the grain of wood)
1. Only use miter gauge when performing cuts across the grain.
2. Do not use the rip fence with the miter gauge.
3. Use the table groove that does not cause interference of your hand or miter gauge with the saw blade guard.

Rip cuts (cutting with the grain of wood)
1. Use the rip fence to position and guide the work piece through the saw blade.
2. Do not stand in the line of the saw cut when ripping.
3. Do not touch the cut off piece until the saw blade is stopped.
4. When ripping boards longer than three feet, use out-feed supports at rear of saw table.
5. Use a push stick when ripping work less than 4 inches wide.
6. Use an auxiliary wood facing on rip fence when ripping work 2 inches or narrower.

Blade Change – **Performed by Authorized Personnel Only**
1. Unplug the saw or remove the power switch toggle.
2. Remove table insert and raise saw blade to its maximum height (be careful not to lose rubber washers under table insert).
3. Use blade change wrenches to loosen arbor nut by turning clockwise (opposite thread).
4. Remove nut, flange and blade.
5. Assemble new blade on arbor with teeth pointing down at front.
6. Re-install flange and nut.
7. Tighten nut by turning counter clockwise with blade change wrenches.
8. Re-install table insert.

Dado Head Cuts – **Performed by Authorized Personnel Only**
1. The blade guard, splitter and anti-kickback finger assembly must be removed to perform dado cuts.
2. Assemble dado head set using two outside saw blades, up to five inside cutter blades and paper washers to achieve the desired width.
3. Cutter blades must be positioned with cutting edge in the gullets of the outside saw blades.
4. NEVER use the dado head in a bevel position.
5. Always re-install blade guard after dado head assembly is removed.

## Maintenance

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<th>Storage</th>
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| **Accessories** | • Miter Gauge  
• Rip Fence  
• Push Stick  
• Blade Guard  
• Blade Change Wrenches |

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| • Saw must be unplugged or have the power switch toggle locked out when changing blades. These changes must be performed by authorized personnel only.  
• Use only 10” diameter saw blades rated for 5500 rpm or higher with 5/8” arbor holes  
• Install blade with teeth pointing toward operator (rotating toward table top) |