Delta 10” Professional Cabinet Saw

<table>
<thead>
<tr>
<th>Description</th>
<th>10” Tilting Arbor Saw, Model 36-953</th>
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<tbody>
<tr>
<td>Size / Horse power</td>
<td>10” Blade / 3 HP / 4000 RPM</td>
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<tr>
<td>Power source</td>
<td>230 volt through plugged power cord</td>
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<tr>
<td>Uses</td>
<td>Precision cut wood, plywood, plastic panels to size.</td>
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</table>

### 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
- Avoid loose fitting clothing
- Tie back long hair

### Operation

**Startup**
1. Put on PPE listed above
2. Inspect tool for damage or obstructions to operation
3. Ensure work area is clean and free of obstacles
4. Ensure all guards are present and function properly
5. Make necessary adjustments for safe operation – blade height and angle, fence or miter gauge settings
6. Push the start button to start the saw
7. Begin work

**Shutdown**
1. Turn off the saw by pushing the stop button
2. Allow the table saw to stop on its own
3. Remove workpiece after blade has stopped

Note: When the machine is not in use, the switch should be locked in the “OFF” position to prevent unauthorized use, use a padlock with a 3/16” diameter shackle (A)

**Overload Protection**
1. Saw is equipped with overload protection to protect the saw and the user
2. If the overload protection has tripped, let the motor cool for 3 to 5 minutes
3. The overload will automatically reset itself once motor has cooled
Blade Adjustment

1. **Height**
   a. Loosen the elevation locking knob (B)
   b. Turn the elevation hand wheel (A) until the blade is at the desired height (Clockwise to raise the blade, Counterclockwise to lower the blade)
   c. Tighten the elevation locking knob to lock blade height

2. **Angle (0° to 45°)**
   a. Loosen the tilt locking knob (D)
   b. Turn the tilt hand wheel (C) until the blade is at the desired angle, angle is indicated by the tilt angle indicator (E) on the scale (Clockwise to increase tilt angle, Counterclockwise to decrease tilt angle)
   c. Tighten the locking knob to lock blade angle

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

1. **Disconnect machine from power source**
2. Remove table insert, and raise saw blade to its maximum height
3. Place the open end wrench on the flats of the saw arbor to keep the arbor from turning, and use the closed wrench to turn the arbor nut toward the front of the saw
4. Remove arbor nut, blade flange, and blade
5. Assemble new blade, make sure the teeth point down at the front of the saw table, assemble the blade flange and arbor nut
6. Replace table inset

**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. Place the miter gauge in the right miter slot for bevel cuts, or either the right or left miter slots for non-bevel cuts
4. Adjust the miter gauge to the desired miter angle
5. Turn on saw
6. Holding the workpiece and miter gauge firmly, move the miter gauge and workpiece slowly and smoothly past the blade

**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. When ripping boards longer than 4 feet, use out-feed supports at rear of saw table
4. Use a push stick when ripping work less than 4 inches wide
5. Use an auxiliary wood facing on rip fence when ripping work 2 inches or narrower
6. Place workpiece on the table next to the blade, and adjust the blade so that it is only 1/8” above the workpiece
7. Turn on saw
8. Holding the workpiece firmly, move the workpiece slowly and smoothly past the blade
9. Once cut is complete, power off the saw
10. Do not touch the cut off piece until the saw blade is stopped

**Storage**

<table>
<thead>
<tr>
<th>Physics – Room B0062</th>
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<tbody>
<tr>
<td><strong>Accessories</strong></td>
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<tr>
<td>- Miter gauge</td>
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<tr>
<td>- Rip fence</td>
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<tr>
<td>- Push stick</td>
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<tr>
<td>- Blade guard</td>
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<tr>
<td>- 2 Blade Wrench</td>
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