SawStop 10” Professional Cabinet Saw

<table>
<thead>
<tr>
<th>Description</th>
<th>SawStop 10” Professional Cabinet Saw, Model PCS31230</th>
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<tbody>
<tr>
<td>Size / Horse power</td>
<td>10” Blade / 3 HP / 3450 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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### 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. 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. Ensure the Start/Stop paddle is in the “OFF” position (pushed in), flip the Main Power Switch to the “On” position (up)
7. Check to see if the GREEN LED light is lit, if the RED LED light is lit, power off the saw and contact the instructor or shop monitor immediately
8. Pull the Start/Stop paddle out to start the motor/blade
9. Begin work

#### Shutdown
1. Turn off the motor/blade by pushing in the Start/Stop paddle
2. Turn off the power to saw by flipping the Main Power Switch to the “OFF” position (down)
3. Allow table saw to stop on its own
4. Remove workpiece after blade has stopped

#### Blade adjustment
1. Height (1/8” Below – 3 1/8” Above Table Top)
   a. Loosen the elevation locking knob
   b. Turn the elevation hand wheel 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
   b. Turn the tilt hand wheel until the blade is at the desired angle, angle is indicated by the tilt angle indicator on the scale (Clockwise to increase tilt angle, Counterclockwise to decrease tilt angle)
   c. Tighten the locking knob to lock blade 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. 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

Brake Cartridge Change – Performed By Authorized Personnel ONLY
1. Safety System will not allow the motor to start if the brake cartridge is installed incorrectly
2. Make sure the Start/Stop paddle is pushed into the OFF position, the Main
   Power Switch in in the OFF position, and the Disconnect Switch is switched
   to the OFF position
3. Set the blade tilt angle to 0° and raise the blade to its maximum height
4. Remove the table insert, swing the rear of the dust shroud door to the right,
   and rotate the spreader/riving knife clamping handle fully upward
5. Open the motor cover and remove the dust shroud door
6. Turn the cartridge key 90° clockwise, then pull it away from the cartridge
7. Remove cartridge
8. Align the mounting holes in the replacement cartridge with the pivot pin
   and positioning pin
9. Push the cartridge onto the pins until it rests against the cartridge mounting
   bracket
10. Align the cartridge key with the hole in the cartridge housing, press the key
    fully into the cartridge and rotate the key 90° counterclockwise to lock the
    cartridge in place
11. Repeat steps 1 through 5 in reverse order to complete installation

Overload Protection
To clear an overload error, turn the Start/Stop paddle to OFF and turn the Main Power to OFF and then back to
ON

Maintenance

<table>
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<tr>
<th>Storage</th>
<th>Design – Room 0020</th>
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<tr>
<td>Accessories</td>
<td>Miter gauge, Rip fence, Push stick, Blade guard, Blade change wrenches</td>
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