Craftsman 24” Scroll Saw

Description | Scroll Saw - Model: 315.216230, two speed (825 or 1750 SPM)
Size / Horsepower | 24” / NA
Power source | 120 volts through power cord
Uses | Cutting wood, wood composition, plastic, and nonferrous metals

Safety Precautions

Hazards
- Amputation/Abrasions
- Electrical shock
- Entanglement of hair, jewelry, or clothing
- Flying debris (potential eye damage)

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 the tool for damage or obstructions to operation
3. Ensure work area is clean and free of obstacles
4. Adjust the material hold-down so that it rests just slightly (1/8”) above the material
5. Make necessary adjustments for safe operation
6. Turn on the saw by flipping the switch to on
7. Allow the blade to reach full speed before beginning cut
8. Slowly feed material into blade, avoid putting excessive force on the blade
9. Keep hands clear of saw blade

Shutdown
1. Turn off the saw by flipping the switch to off
2. Allow the blade to come to a complete stop on its own
3. Move work piece from tabletop
4. The switch key can be removed to lockout the saw

Speed Control
1. Speed switch is located next to the On/Off Switch
2. Flip the switch to the desired speed, 825 SPM or 1725 SPM

Table Adjustment
1. Loosen the table lock knob
2. Adjust table to desired angle using the scale located below the table
3. Tighten the table lock knob, check to make sure table is secure before using the saw
Changing Blade
1. **Disconnect tool from power supply**
2. On the top back of the saw, rotate the quick release knob to the left or counterclockwise to loosen blade tension
3. Remove the throat plate and old blade
4. Place blade through the throat plate opening with the teeth of the blade to the front of the saw and pointing down toward the table
5. Pull up on the blade and down on the upper saw arm to install blade into the upper blade holder
6. If the blade touches the hold down foot on either side, then the hold down foot must be adjusted
   a. Loosen the foot adjustment setscrew
   b. To center the hold down foot around the saw blade, slide the hold down foot to the side
   c. Tighten the foot adjusting knob
7. Replace throat plate
8. Properly tension blade before use

Adjusting Blade Tension
1. **Disconnect tool from power supply**
2. Tension adjusting knob is on the top of the saw. Rotate the quick release knob (outer, larger knob) 1/4 turn to the left or counterclockwise to release blade tension
3. Turn tension adjusting knob (upper, smaller knob) to the right or clockwise to increase tension. Turn it to the left or counterclockwise to decrease blade tension
4. Blade is properly tensioned when the sound it makes after being plucked is like that of plucking a guitar string. Sound becomes less flat as tension is increased

Rotate quick release knob to the right or clockwise 1/4 turn to engage tension before using the saw

Maintenance

<table>
<thead>
<tr>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Care</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>• Clean off saw after work is complete. Always use a sharp blade</td>
</tr>
<tr>
<td>• Lubricate the arm bearings after every 50 hours of use or whenever there is a squeak coming from the bearings</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hex Wrench</td>
</tr>
</tbody>
</table>