DeWalt 20” Scroll Saw

<table>
<thead>
<tr>
<th>Description</th>
<th>Scroll Saw - Model: DW788</th>
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</thead>
<tbody>
<tr>
<td>Size / Horse power</td>
<td>20” / 1750 SPM</td>
</tr>
<tr>
<td>Power source</td>
<td>120 volt through power cord</td>
</tr>
<tr>
<td>Uses</td>
<td>Cutting wood, metal, plastics and foam of various sizes at various angles</td>
</tr>
</tbody>
</table>

**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 rest just slightly (1/8”) above the material
5. Make necessary adjustments for safe operation
6. Turn on the saw by pressing the front of the switch located on the top of the saw
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 the speed control knob to the lowest setting
2. Turn off the saw by pressing the back of the switch located on the top of the saw
3. Allow the blade to come to a complete stop on its own
4. Remove work piece from table top

**Speed Control**
1. **WARNING**: Only operate the speed control knob when the saw is running
2. To increase the speed, turn the knob clockwise
3. To decrease the speed, turn the knob counterclockwise
Changing Blade

1. **Disconnect tool from power supply**
2. Move the blade tension lever all the way to the right
3. Loosen, but do not unscrew, the top and bottom blade clamp thumbscrew
4. Remove the old/broken blade
5. Thread the new blade through the hole in the table, with the teeth facing down and toward the front of the saw
6. Insert the blade into the bottom blade clamp and securely tighten the thumb screw
7. Insert the top of the blade into the top blade clamp and securely tighten the thumb screw
8. Properly adjust the blade tension lever to the correct tension
   a. With tension on the blade, prick the front of the blade and listen to the tone emitted
   b. A low or no tone requires additional tension, a high tone means that the tension is too high
   c. Once the desired tension is met, test the tension on a piece of scrap
   d. When cutting, if the blade bends, you need to add more tension
   e. Inspect the cut, if the cut is square and the blade is not broken, the blade is properly set
9. Reconnect power supply to tool

Maintenance

<table>
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<tr>
<th>Storage</th>
<th>Design – Room 0020</th>
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<tbody>
<tr>
<td>Care</td>
<td>Clean off saw after you are done using. Always use a sharp blade.</td>
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<tr>
<td>Accessories</td>
<td>Hex Wrench</td>
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