Craftsman Plunge Router

<table>
<thead>
<tr>
<th>Description</th>
<th>Plunge Router with Table – Model 315.175070</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size / Horse power</td>
<td>1.75 HP / 15,000 – 25,000 RPM</td>
</tr>
<tr>
<td>Power source</td>
<td>120 Volts</td>
</tr>
<tr>
<td>Uses</td>
<td>Cutting edges on wood, laminate covered wood and some plastics</td>
</tr>
</tbody>
</table>

### Safety Precautions

#### Hazards
- Flying debris (potential eye damage)
- Electrical shock
- Amputation
- Entanglement of hair or clothing

#### 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. Ensure work area is clean and free of obstacles
3. Make necessary adjustments for safe operation
4. Inspect the tool for damage or obstructions to operation
5. Turn on router by depressing the power switch
6. Begin work
7. Keep hands clear of bit

#### Shutdown
1. Turn off router by releasing the power switch
2. Allow the bit to come to a complete stop on its own
3. Remove router from work piece

### Maintenance

#### Storage
- Molecular Biology – Room 0213K

#### Care
- Clean off router after you are done using. Always use a sharp bit
- Vacuum excess wood chips and saw dust
- Wipe table clean
- Apply metal protectant to the table periodically

#### Accessories
- Wrench
Installing / Removing Cutters

1. **Disconnect router from power supply**
2. Place the spindle lock into lock position
3. If spindle doesn’t lock, turn collet nut with wrench, applying pressure at the same time to the spindle lock with your thumb or finger. When lock mechanism engages with notch in spindle, spindle lock will slide into lock position
4. Place router upside down on workbench
5. Place the wrench through the back of the router base onto collet nut and turn counterclockwise to loosen
6. The collet is machined to precision tolerances to fit cutter with 1/4 inch diameter shanks
7. Insert shank of cutter into collet until shank bottoms out, then pull it out 1/16 inch to allow for expansion when the bit gets hot
8. Tighten the collet nut securely by turning the wrench clockwise
9. Place spindle lock back into the unlock position

Variable Speed Control

1. To increase the speed and torque of your router, turn the variable speed control selector to a higher setting. Refer to the “Speed Selection Chart” for reference

<table>
<thead>
<tr>
<th>CUTTER SIZE</th>
<th>1/4</th>
<th>3/8</th>
<th>1/2</th>
<th>3/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATERIAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOFT</td>
<td>6</td>
<td>7</td>
<td>3-4</td>
<td>1-2</td>
</tr>
<tr>
<td>MEDIUM</td>
<td>7</td>
<td>6-7</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>HARD</td>
<td>6</td>
<td>3-4</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>VERY HARD</td>
<td>7</td>
<td>6-7</td>
<td>5</td>
<td>4</td>
</tr>
</tbody>
</table>

Set Depth of Cut

1. **Disconnect router from power supply**
2. Raise cutter by depressing the plunge lock release
3. Adjust cutter until it is inside router subbase
4. Place router on a flat surface
5. Lower router until the tip of the cutter barely touches the flat surface
6. Release plunge lock release to lock cutter at “zero” depth of cut
7. Rotate depth stop to desired position, loosen lock knob and adjust stop bar until it touches depth stop
8. Slide the zero-reset indicator up or down the scale on the stop bar until the red line is at zero
9. Lift the stop bar to obtain desired depth of cut
10. Tighten lock knob securely
11. Position the router so that the cutter can extend below the subbase for desired depth setting
12. Depress plunge lock release
13. Grasp handles and lower router until stop bar contacts depth stop. Release plunge lock release locking cutter at desired depth of cut