Grizzly Shaper

<table>
<thead>
<tr>
<th>Description</th>
<th>Shaper – Model G1035</th>
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<tbody>
<tr>
<td>Size / Horse power</td>
<td>1.5 HP / 10,000 RPM</td>
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<tr>
<td>Power source</td>
<td>120 Volts</td>
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<tr>
<td>Uses</td>
<td>Cutting edges on wood, laminate cover wood and some plastics</td>
</tr>
</tbody>
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**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 the shaper by turning the Forward/Reverse switch to the desired direction
6. Begin work
7. Slowly feed work piece towards the blade, avoid feeding material too quickly
8. Keep hands clear of blade, use push sticks when needed

**Shutdown**
1. Turn off the shaper by turning the Forward/Reverse switch back to natural (perpendicular to the machine)
2. Allow the blade to come to a complete stop on its own
3. Remove work piece for table top

Note: The Forward/Reverse switch can be locked out to prevent startup

**Spindle Height**
1. Loosen the spindle height lock
2. Move the spindle up or down with the elevation handwheel until the desired position is obtained
3. Lock the spindle into position
Spindle Speeds – Performed By Authorized Personnel ONLY

1. **Disconnect Shaper From Power**
2. Loosen the two motor mount hex bolt and slide the motor right toward the spindle assemble. **DO NOT** take the bolts out
3. Move the V-Belt to the sheave on the motor and spindle pulleys to select the desired speed
4. Slide the motor to the left to tighten the belt. When the belt is properly tensioned, there should be approx. 1/4” of deflection in the center of the belt
5. Tighten all the hex bolts
6. Spin the pulley to ensure proper tracking

**Cutter Installation**

1. **Disconnect Shaper From Power**
2. Loosen the knurled lock knob on the extension bracket and temporarily move the safety guard out of the way
3. If needed, place an appropriate spacer or collar at the base of the spindle for support
4. Place the cutter on the spindle. Make sure the rotation is correct for your application
5. Use spacers or collars to suit your application
6. Place a spindle washer above the cutter and screw on the nut and locknut
7. Tighten the nuts while holding the spindle stationary. Use a wrench on the notches at the top of the spindle for leverage
8. Replace the main guard

**Fence Adjustment**

1. Loosen the fence lock handle
2. Turn the fence adjustment knob until the fence is set to the desired position. One turn moves the fence approximately 5/64”
3. Tighten the fence lock handle

**Maintenance**

<table>
<thead>
<tr>
<th>Storage</th>
<th>Physics – Room B0062</th>
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<tbody>
<tr>
<td>Care</td>
<td>Clean off shaper after you are done using. Always use a sharp blade.</td>
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<tr>
<td></td>
<td>• Vacuum excess wood chips and saw dust</td>
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<td>• Wipe table clean</td>
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<td>• Apply metal protectant to the table periodically</td>
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<tr>
<td>Accessories</td>
<td></td>
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