Hitachi – 12” Bandsaw

<table>
<thead>
<tr>
<th>Description</th>
<th>Bandsaw – Model CB 13F</th>
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<tbody>
<tr>
<td>Size / Horse Power</td>
<td>12” / 2600 SFPM</td>
</tr>
<tr>
<td>Power source</td>
<td>115 Volts</td>
</tr>
<tr>
<td>Uses</td>
<td>Cutting wood, metal, and other material of this type</td>
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</tbody>
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### Safety Precautions

<table>
<thead>
<tr>
<th>Hazards</th>
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<tbody>
<tr>
<td>Flying debris (potential eye damage)</td>
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<tr>
<td>Electrical shock</td>
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<tr>
<td>Amputation</td>
</tr>
<tr>
<td>Entanglement of hair or clothing</td>
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</table>

### 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. Ensure that the top guide is within 3/16” of the work piece
4. Make necessary adjustments for safe operation
5. Inspect the tool for damage or obstructions to operation
6. Turn ON the saw by inserting the yellow key into the key slot. Push the switch to the ON position
7. Begin work
8. Slowly feed work piece towards the saw blade, avoid feeding material too quickly
9. Keep hands clear of saw blade, use push sticks when needed

**Shutdown**

1. Turn OFF the saw by pushing the switch to the down position
2. Allow the blade to come to a complete stop on its own
3. Remove work piece for table top
4. Remove yellow key switch when saw has come to a complete stop

**Table Tilt**

1. Loosen both table lock knobs (A) underneath the table
2. Tilt table to the desired angle on the scale (B) underneath the table
3. Tighten the two locking knobs to secure the table at your desired angle

**Changing Blades – Performed By Authorized Personnel ONLY**

1. Disconnect machine from the power source
2. Loosen the blade tension by turning the blade tension knob (1) counterclockwise
3. Remove the table insert (2) and the table aligning pin (3) from the table. Unlock the lock knobs (12) under the table, unfasten the screw (13) at the right of the extension tube.
4. Open up the wheel cover (4).
5. Loosen the two Phillips screws (5) and remove the upper blade guard (6).
6. Release the lock knobs (23) under the table, then remove the screw (13) at the right of the extension tube and the extension table.
7. Remove the blade (7) from the upper and lower blade guides (8).
8. Carefully pull the blade from the side slot (9) and from the wheels (10).
9. Swing the left side of the blade toward you, turning the blade so it will fit through the slot (11) in the table and remove.
10. Guide the new blade in to position, making sure the teeth are pointing forward and down.
11. Swinging the left side of the blade away and back, place the blade on the upper and lower wheels (10).
12. Place the blade carefully between the upper and lower blade guides (8).
13. Slide the blade into the slot (9) at the left of the wheels, and make sure the blade is positioned at the middle of the wheels.
14. Turning the blade tension knob (1) clockwise, tighten the tension until the blade is tight on the wheels.
15. Replace the table insert (2) and the table aligning pin (3). Install the extension table and fasten the screw (13) at the right of the extension tube. Lock the lock knobs (12) under the table.
16. Adjust the blade tracking and tension properly, see Blade Tension and Blade Tracking before operating the bandsaw.

Blade Tension – Performed By Authorized Personnel ONLY
1. Disconnect machine from the power source.
2. Set the blade tension gauge to correspond with the width of the blade in use.
3. Turn the blade tension knob (3) clockwise, raising the upper wheel to tighten the blade. Turn the knob counterclockwise to lower the upper wheel, loosening the blade.
4. When the bandsaw is not in use, relax the blade tension.

Blade Tracking – Performed By Authorized Personnel ONLY
1. Disconnect machine from the power source.
2. The blade (1) must be tensioned properly before adjusting the tracking.
3. Open the upper blade cover.
4. Move the blade guides (2) and support bearings (3) away from the blade.
5. Rotate the wheel (4) slowly forward by hand, and check the position of the blade on the wheel. The blade should remain centered on the wheel as it turns.
6. If the blade moves toward the front of the wheel, turn the tracking knob (5) on the rear of the saw clockwise. If the blade moves toward the back edge, turn the tracking knob counterclockwise.

Note: Turn the tracking knob SLIGHTLY to make blade tracking adjustments.

Maintenance

<table>
<thead>
<tr>
<th>Storage</th>
<th>Veterinary Medicine – Room 1238</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></td>
<td>• Keep the miter slot and guide bearings clean</td>
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<tr>
<td></td>
<td>• Check drive belt periodically for wear or damage</td>
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<td></td>
<td>• Remove all deposits from the band wheels</td>
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<td></td>
<td>• Clean out dust form inside cabinet</td>
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<tr>
<td>Accessories</td>
<td>• Miter Gauge</td>
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