Milwaukee 14” Chop Saw

<table>
<thead>
<tr>
<th>Description</th>
<th>Chop Saw – Model: 6177-20</th>
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<tbody>
<tr>
<td>Size / Horse power</td>
<td>14” Blade / 3900 PRM</td>
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<tr>
<td>Power source</td>
<td>120 volt through power cord</td>
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<tr>
<td>Uses</td>
<td>Cutting metal of various sizes at various angles</td>
</tr>
</tbody>
</table>

**Safety Precautions**

**Hazards**
- Amputation/Abrasions
- Electrical shock
- Entanglement of hair, jewelry, or clothing
- Fire risk if used near flammable or combustible materials
- Flying debris (potential eye damage)
- Sparks from cutting metal

**Training**
- Shop Safety Fundamentals
- Site Specific Training

**Protective Equipment**
- Safety Glasses AND Safety Shield
- 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. Secure material to work surface using the fence and vise
5. Make necessary adjustments for safe operation
6. Turn on the saw using the trigger switch located within the handle
7. Allow the blade to reach full speed before beginning cut
8. Slowly feed blade into material, avoid putting excessive force on the blade
9. Keep hands clear of saw blade

**Shutdown**
1. Turn off the saw by releasing the trigger switch located within the handle
2. Allow the blade to come to a complete stop on its own
3. Remove work piece from table top. USE CAUTION as piece may be hot.

Note: Trigger can be locked in the OFF position by placing a 3/16” padlock through the trigger lock hole

**Adjusting the Depth of Cut**
1. **Disconnect tool from power supply**
2. Use the wrench provided to loosen the hex nut
3. Adjust the depth adjustment bolt to the desired height
4. Tighten the hex nut
Changing Blade – Performed by Authorized Personnel Only

1. **Disconnect tool from power supply**
2. Raise the head
3. Push up the lower guard to expose the hex bolt. Press in the spindle lock button and use the wrench provided to loosen the hex bolt (counterclockwise)
4. Remove the hex bolt, washer, outer flange and cut-off wheel. Do not remove the inner flange
5. Check the inner and outer flanges to be sure they are in good condition. Remove any nicks, burrs, and debris from the mounting hardware
6. Install new cut-off wheel, outer flange, washer and hex bolt onto spindle (MILWAUKEE 14” Abrasive Cut-Off Wheel, 3/32”, 4300 RPM or Higher)
7. Press in the spindle lock button while using the wrench provided to tighten the hex bolt (clockwise), do not over tighten
8. Release the lower guard
9. Before using a new cut-off wheel for a cut, position body to the side of the tool and run the saw for **at least 3 minutes** to confirm that the wheel is in good condition and installed correctly.

Supporting the Workpiece

A. Fence Adjustments
   1. Use the wrench provided to loosen (counterclockwise) the two fence bolts
   2. Adjust the position and angle of the fence as desired
   3. Securely tighten (clockwise) the two fence bolts

B. Vise Adjustments
   1. Pull the lock lever back
   2. Pull the vice handle out
   3. Place the workpiece flat on the base and against the fence
   4. Push down the lock lever
   5. Slide in the vise handle to press the vise plate against the workpiece
   6. Turn the vise handle clockwise to tighten the vise plate against the workpiece

**Maintenance**

<table>
<thead>
<tr>
<th>Storage</th>
<th>Fisher Theater – Room 0014</th>
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<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>8mm Hex Wrench</td>
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