DeWalt 14” Chop Saw

<table>
<thead>
<tr>
<th>Description</th>
<th>Chop Saw – Model: DW872</th>
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<tbody>
<tr>
<td>Size / Horse power</td>
<td>14” Blade / 1300 RPM</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>
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</tbody>
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**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
Changing Blade – Performed by Authorized Personnel Only

1. **Disconnect tool from power supply**
2. Raise the motor arm to the up position, rotate the lower guard (A) out of the way and hold with one hand
3. With the same hand, depress the blade lock lever (I) until it engages one of the holes in the inner clamp washer (H)
4. With the hex wrench, rotate the bolt cover out of the way and loosen the bolt (C) counterclockwise
5. Remove the bolt (C), lock washer (D), the flat washer (E) and the outer clamp washer (F)
6. Install new blade (G) oriented as shown against the inner clamp washer (H). Reassemble the outer clamp washer, flat washer, lock washer and bolt hand tight
7. With the blade lock engaged, tighten the bolt securely with the hex wrench
8. Remove hex wrench then release lower guard and blade lock lever
9. Before using a new cut-off blade for a cut, position body to the side of the tool and run the saw for **at least 3 minutes** to confirm that the blade is in good condition and installed correctly.

**Supporting the Workpiece**

A. **Fence Adjustments**
   1. Rotate the quick release clamp lever (E) fully forward, toward the front of the saw
   2. Adjust the position and angle of the fence as desired
   3. Rotate the quick release clamp lever fully to the rear to lock the fence into position

B. **Vise Adjustments**
   1. To release the vise when it is clamped tightly, turn the crank (B) counterclockwise one or two time to remove clamping pressure
   2. Lift vise lever (C)
   3. Pull crank assembly out as far as desired, inset material into vice
   4. Push crank assembly in until it is snug against material
   5. Lower vise lever
   6. Turn the crank clockwise to tighten vise

**Maintenance**

<table>
<thead>
<tr>
<th>Storage</th>
<th>Fisher Theater – Room 0014</th>
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<tbody>
<tr>
<td>Care</td>
<td>Used only DeWalt 14” Carbide Tipped Metal Cutting Blade</td>
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<tr>
<td></td>
<td>Clean off saw after you are done using. Always use a sharp blade</td>
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<tr>
<td></td>
<td>Gears should be relubricated every 60 to 90 days</td>
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<tr>
<td>Accessories</td>
<td>Blade Wrench</td>
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