MK Diamond MK-2002 Masonry Saw

<table>
<thead>
<tr>
<th>Description</th>
<th>Masonry Saw – Model: MK-2002</th>
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<tbody>
<tr>
<td>Size / Horse power</td>
<td>14” Blade / 2 HP / 3450 RPM</td>
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<td>Power source</td>
<td>120 volt through power cord</td>
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<tr>
<td>Uses</td>
<td>Cutting masonry type material and other non-ferrous materials of various size</td>
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</tbody>
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**Safety Precautions**

**Hazards**
- Amputation/Abrasions
- Electrical shock
- Entanglement of hair, jewelry, or clothing
- Flying debris (potential eye damage)

**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 the “ON/OFF” Switch is in the OFF position
4. Verify the movable cutting table moves freely
5. Inspect the diamond blade for damage. Verify the blade is correct for the material being cut
6. Inspect the pump assembly for damage. Ensure the cord is free of cracks or cuts
7. Turn “ON” the motor by moving the toggle switch to the “ON” position
8. Turn “ON” the saw blade by moving the toggle switch to the “ON” position
9. Allow the blade to reach full speed before beginning cut
10. Slowly feed material into blade, avoid putting excessive force on the blade
11. Keep hands clear of saw blade

**Shutdown**
1. Turn “OFF” the saw blade and motor by moving the toggle switches to the “OFF” position
2. Allow the blade to come to a complete stop on its own
3. Remove work piece from table top

Note: **Toggle switches** The saw can be locked in the “OFF” position by placing a 3/16” padlock through the toggle switch lock holes on the motor switch.
Changing Blade – Performed by Authorized Personnel Only

1. **Disconnect tool from power supply**
2. Loosen the cutting head locking handle by turning counterclockwise
3. Raise the cutting head to the highest position and tighten the locking handle
4. Identify and remove the retaining screw and outer flange using the blade wrench. Turn counterclockwise to loosen
5. Install the new diamond blade onto the blade shaft with the direction arrow facing out
6. Install the retaining screw and -outer flange, then tighten by rotating the blade wrench clockwise

Chop Cutting

1. Set the adjustable cutting guide to the desired length
2. Place the masonry piece onto the movable cutting table
3. Verify the masonry piece is seated against the ruler/stop and the adjustable cutting guide
4. Turn the saw “on” and verify that cooling flow exists on both sides of the blade
5. Lower the cutting head and push the masonry piece towards the blade
6. After the cut is complete, turn the saw “OFF”

Angle Cutting

1. Position the adjustable cutting guide to the desired cutting angle position
2. Position the masonry piece and adjustable cutting guide to the desire cut length
3. Turn on the saw and cooling flow control valve, verify cooling flow exists on both sides of the blade
4. Hold the masonry piece, lower the cutting head and push the piece toward the blade
5. After the cut is complete, turn the saw “OFF”

Maintenance

<table>
<thead>
<tr>
<th>Storage</th>
<th>Science 1 – Room 0006</th>
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<tr>
<td>Care</td>
<td>• 14” Segmented Wet or Dry MK Diamond Blade with a 0.110 to 0.375 cutting width</td>
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<td></td>
<td>• Clean off saw after you are done using. Always use a sharp blade.</td>
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<td></td>
<td>• Lubricate the Guide Bar and Roller Wheel Assembly daily with WD-40</td>
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<tr>
<td>Accessories</td>
<td>• Adjustable Cutting Guide</td>
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<td>• Blade Nut Wrench</td>
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