# Bosch 12” Compound Miter Saw

<table>
<thead>
<tr>
<th>Description</th>
<th>Bosch 12” Compound Miter Saw – Model 5412</th>
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</thead>
<tbody>
<tr>
<td>Size / Horse power</td>
<td>12” Blade / 3800 RPM</td>
</tr>
<tr>
<td>Power source</td>
<td>120 volts through plugged power cord</td>
</tr>
<tr>
<td>Uses</td>
<td>Cutting wood and Non-Ferrous Metals</td>
</tr>
</tbody>
</table>

## Safety Precautions

### Hazards
- Severe cuts, potential for amputation
- Flying debris (potential eye and face damage)
- Electrical shock
- Entanglement of hair, jewelry or clothing
- Material kickback

### Training
- Shop Safety Fundamentals
- Site Specific Training

### Protective Equipment
- Safety Glasses
- Hearing Protection
- Tie back long hair
- Avoid loose fitting clothing

## Operation

### Startup
1. Put on PPE listed above
2. Ensure work area is clean and free of obstacles
3. Ensure all guards are present and function properly
4. Make necessary adjustments for safe operation
5. Inspect tool for damage or obstructions to operation
6. Turn on saw by pressing one of the two Lock-Off buttons and the power switch located in the handle
7. Slowly bring the blade down to the material being cut, avoid feeding the blade to quickly
8. Keep hands clear of spinning blade

### Shutdown
1. Disengage power switch and lock-off button
2. Return saw to upright position and allow blade to stop rotating
3. Remove work piece

### Blade Change – Performed by Authorized Personnel Only
1. **Disconnect power supply from the saw**
2. Position the miter saw, so that the blade is in the up position
3. Rotate the lower guard by hand, loosen the front cover screw
4. Rotate the cover plate counterclockwise so the blade bolt is exposed
5. Use an allen wrench to remove the blade bolt and outer washer while holding the arbor lock
6. Remove old blade and replace with a 3800 RPM 12” diameter blade with 1” arbor hole
7. Replace outer washer and blade bolt and tighten with allen wrench
8. Rotate cover plate clockwise to original position and tighten the front screw plate
9. Be sure the arbor lock is released so the blade turns freely
Setting Blade Depth
1. Loosen and turn both Jam Nuts to just above the threaded end of the Depth Stop Bolt
2. Press the Depth Stop Release Button and pull up the Depth Stop Bolt until the nut hit the bottom of its support frame
3. Set the table to the 0° miter position. Push down and slide back the saw head to the full back position
4. Turn the Depth Stop Bolt to set the blade depth to about 1/4 inch below the table surface
5. Release the saw head to the up position
6. Turn both Jam Nuts to be tight against the bottom of the support frame. Tighten nuts against each other
7. Without turning the saw on, practice slide cutting to verify that the blade does not touch the table

Setting Handle Position
1. Release handle clamp
2. Pull and hold handle rotation release lever
3. Rotate handle to desired location
4. Let go of the handle rotation release lever to set handle into place. Release lever will retract down only in one of the four positions
5. Lock the handle clamp

Maintenance

<table>
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<tr>
<th>Storage</th>
<th>Armory – Room 0062</th>
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<tbody>
<tr>
<td>Care</td>
<td>Only use blades that are 12” in diameter with a 1” arbor hole and are rated for the speed of the saw. Use a brush or compressed air to clean the saw</td>
</tr>
</tbody>
</table>
| Accessories | • Adjusting Keys and Wrenches  
                  • Vertical Vise  
                  • Horizontal Vise  
                  • Dust Bag  
                  • Workpiece Clamp |