DeWalt Orbital Jig Saw

<table>
<thead>
<tr>
<th>Description</th>
<th>Jig Saw - Model: DW318</th>
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<tbody>
<tr>
<td>Size / Horse power</td>
<td>500 – 3,100 SPM</td>
</tr>
<tr>
<td>Power source</td>
<td>120 volt through power cord</td>
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<tr>
<td>Uses</td>
<td>Cutting wood, metal, plastics and foam of various sizes at various angles</td>
</tr>
</tbody>
</table>

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
- 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. Make necessary adjustments for safe operation
5. Turn “ON” the saw by squeezing the trigger switch
6. Slowly feed blade into material, avoid putting excessive force on the blade
7. Keep hands clear of saw blade

Note: For continuous operation, squeeze the trigger switch and then depress the lock button. Once the lock button is depressed, release the trigger switch. To disengage from continuous operation, squeeze the trigger and the lock will disengage

#### Shutdown
1. Turn “OFF” the saw by releasing the trigger switch
2. Allow the blade to come to a complete stop on its own
3. Remove saw from workpiece

#### Speed Control
1. For “Free Hand” speed control (the further the trigger is depressed, the higher the strokes per minute), rotate the button in the “HI” direction (clockwise) until it stops
2. To set the trigger switch to produce a selected speed each time the trigger is squeezed, rotate the button to the desired setting. The saw will run at the selected speed each time the trigger is pulled.
**Changing Blade**

1. Cycle the saw “ON” and “OFF” as necessary to move the blade clamp stop into a position where you can reach the blade clamping screw
2. **Disconnect tool from power supply**
3. Loosen the screw on the side of the blade clamp, **NEVER REMOVE THE BLADE CLAMP GUIDE**
4. Remove old blade and insert new blade as far as it will go
5. Make sure the back edge of the blade fits into the support roller and tighten the screw against the blade

![Image of changing blade](image)

**Bevel Cutting Adjustment**

1. Bevel cuts may be made at any angle between $0^\circ$ and $45^\circ$ in both directions
2. Adjust the shoe (E) by loosening screw (H) on the bottom of the saw
3. Rotate the shoe to the desired angle
4. Tighten the screw firmly before using the saw

![Image of bevel adjustment](image)

**Reversing Shoe Position**

1. **Disconnect tool from power supply**
2. Remove screw from the bottom of the saw
3. Remove the shoe from the jig saw; be careful to note the position of the clamp. The clamp must be re-installed in the same way or the shoe will not fit properly
4. Rotate the shoe $180^\circ$ and re-install noting carefully that, when the slot is forward, the screw goes through the hole in the shoe and when the wide opening is forward, the screw passes through the slot in the shoe

![Image of reversing shoe position](image)

**Maintenance**

<table>
<thead>
<tr>
<th>Storage</th>
<th>Hoover Hall – Room 1260</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>Accessories</td>
<td>Hex Wrench</td>
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