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Enventor 76331L

ENVENTOR 1200W Circular Saw User Manual

Model: 76331L

Introduction

Thank you for choosing the ENVENTOR 1200W Circular Saw. This powerful and versatile tool is designed for precise cutting of various materials including wood, plastic, PVC, and soft metal. Equipped with a robust copper motor, laser guide, and adjustable cutting features, it provides efficient and accurate results for your projects. Please read this manual thoroughly before operation to ensure safe and optimal use of your circular saw.



Figure 1: ENVENTOR 1200W Circular Saw with accessories.

Safety Information

Always prioritize safety when operating power tools. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- **Read All Instructions:** Familiarize yourself with the tool's operation and safety guidelines.
- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, and a dust mask. Use gloves when handling blades.
- **Secure Workpiece:** Ensure the material being cut is firmly clamped or secured to prevent movement during operation.

- **Keep Work Area Clean:** Cluttered areas and benches invite accidents.
- **Avoid Dangerous Environment:** Do not use power tools in damp or wet locations, or expose them to rain. Keep work area well lit.
- **Maintain Tool with Care:** Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories.
- **Disconnect Power:** Always disconnect the saw from the power source before making any adjustments, changing accessories, or performing maintenance.
- **Use Correct Blade:** Ensure the blade is appropriate for the material being cut and is installed correctly.
- **Keep Hands Clear:** Never place hands near the cutting area or the rotating blade.
- **Dust Collection:** Utilize the dust port to minimize sawdust exposure and maintain a clear view of the cutting line.

Product Overview and Components

Understand the different parts of your ENVENTOR Circular Saw for proper and safe operation.

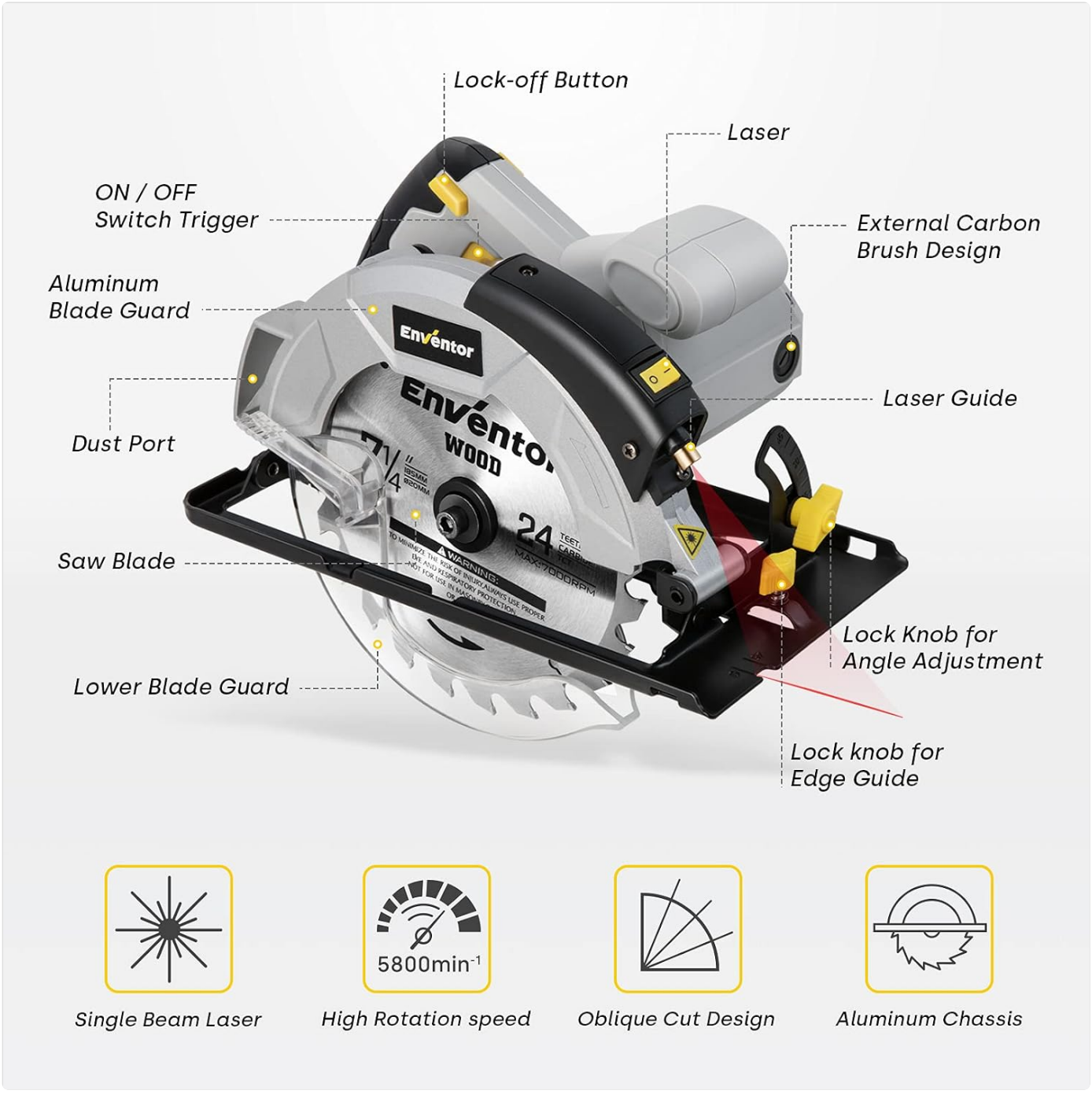


Figure 2: Key components of the Circular Saw.

- **Lock-off Button:** Prevents accidental starting of the saw.
- **ON/OFF Switch Trigger:** Activates the saw.
- **Laser Guide:** Projects a laser line for accurate cutting. Powered by 2 AAA batteries (included).
- **External Carbon Brush Design:** Allows for easy replacement of carbon brushes.
- **Aluminum Blade Guard:** Protects the user from the rotating blade.
- **Dust Port:** Connects to a vacuum cleaner for dust extraction.
- **Saw Blade:** The cutting accessory. Two blades (24T and 40T) are included.
- **Lower Blade Guard:** Retracts during cutting and covers the blade when not in use.
- **Lock Knob for Angle Adjustment:** Secures the saw base at desired bevel angles (0-45 degrees).
- **Lock Knob for Edge Guide:** Secures the parallel guide for straight cuts.

Setup

1. Installing/Changing the Saw Blade

Always ensure the saw is unplugged from the power source before installing or changing the blade.

1. **Step 1: Press the machine rear axle lock switch.** This locks the spindle to prevent rotation.
2. **Step 2: Remove nut and tablet by turning with a spanner.** Use the provided hexagonal wrench to loosen the blade retaining nut.
3. **Step 3: Put in the saw blade.** Carefully place the new blade onto the spindle, ensuring the teeth are pointing in the correct direction (indicated by an arrow on the saw and blade).
4. **Step 4: Install the saw blade and tighten the nut press.** Re-attach the washer and nut, then tighten securely with the hexagonal wrench while holding the axle lock switch.



Figure 3: Steps for installing or changing the saw blade.

2. Installing Laser Guide Batteries

The laser guide requires 2 AAA batteries (included). Locate the battery compartment on the laser module and insert the batteries according to the polarity markings.



Figure 4: Laser guide battery installation.

Operating Instructions

1. Adjusting Cutting Depth

The cutting depth can be adjusted to suit the thickness of your material. Loosen the depth adjustment knob, move the base plate up or down to the desired depth, and then securely tighten the knob. The maximum cutting depth is 62mm at 90 degrees.



Figure 5: Adjusting the cutting depth.

2. Adjusting Bevel Angle

For angled cuts, the saw can be tilted up to 45 degrees. Loosen the angle adjustment knob, tilt the saw to the desired angle (indicated on the scale), and then tighten the knob firmly. The maximum cutting depth at 45 degrees is 42mm.



Figure 6: Adjusting the bevel angle.

3. Using the Laser Guide and Guide Rail

Activate the laser guide to project a precise cutting line onto your workpiece. For perfectly straight cuts, attach the guide rail to the saw base and align it with your marked line. The guide rail ensures stability and accuracy.



Figure 7: Using the laser guide and guide rail for precision.

4. Cutting Various Materials

This circular saw is suitable for cutting a variety of materials. Always select the appropriate blade for the material you are cutting. The included 24T blade is ideal for rougher cuts in wood, while the 40T blade provides finer cuts in wood, plastic, PVC, and soft metals.



Figure 8: Applicable materials for cutting.

Maintenance

Regular maintenance ensures the longevity and safe operation of your circular saw. Always unplug the tool before performing any maintenance.

- **Cleaning:** After each use, clean the saw thoroughly. Remove sawdust and debris from the blade guard, motor vents, and base plate. Use a soft brush or compressed air.
- **Blade Inspection:** Regularly inspect the saw blade for sharpness, damage, or missing teeth. Replace dull or damaged blades immediately.
- **Carbon Brushes:** The saw features an external carbon brush design for easy replacement. Check carbon brushes periodically and replace them when they are worn down to approximately 1/4 inch (6mm) or if the motor sparks excessively.
- **Cord and Plug:** Inspect the power cord and plug for any damage. Do not use the saw if the cord is frayed or damaged.

- **Lubrication:** The internal components are factory-lubricated and generally do not require additional lubrication. Refer to a qualified service technician for internal maintenance.
- **Storage:** Store the saw in a dry, secure place, out of reach of children.

Troubleshooting

Problem	Possible Cause	Solution
Saw does not start.	No power supply; Lock-off button not pressed; Damaged power cord/plug.	Check power outlet and connections; Ensure lock-off button is pressed before trigger; Inspect and replace damaged cord/plug.
Blade not cutting efficiently or burning wood.	Dull or incorrect blade; Blade installed backward; Overfeeding the saw.	Replace with a sharp, appropriate blade; Ensure blade teeth point in the correct direction; Reduce feed rate.
Excessive vibration or noise.	Loose blade or components; Damaged blade; Worn motor bearings.	Tighten blade nut and check all fasteners; Replace damaged blade; Contact service center for bearing issues.
Laser guide not working.	Dead batteries; Incorrect battery installation.	Replace AAA batteries; Check battery polarity.
Sawdust accumulation.	Dust port clogged; Dust collection system not connected or inefficient.	Clear dust port; Connect to a suitable vacuum cleaner.

Specifications

Technical specifications for the ENVENTOR 1200W Circular Saw.

Model Number: 76331L

Power: 1200 Watts

Voltage: 220 Volts

No-Load Speed: 5800 RPM

Blade Diameter: 185 mm

Max. Cutting Depth at 90°: 62 mm

Max. Cutting Depth at 45°: 42 mm

Weight: 4.43 Kilograms

Dimensions (L x W x H): 30.5 x 24.5 x 19 cm

Power Source: Corded Electric

Special Features: Depth Adjustment, Laser Guide

Included Components: 1200W Circular Saw, 24T Saw Blade, 40T Saw Blade, Hexagonal Wrench, Guide Rail, 2 AAA Batteries (for laser guide), User Manual.



Figure 9: Product dimensions and weight.



Figure 10: Powerful 1200W motor with 5800 RPM.

Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the contact details provided with your purchase documentation or visit the official Enventor website. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: Enventor

Seller: ENVENTOR SG EU

Date of Online Availability: October 13, 2022

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