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> [Eastvolt Mini Circular Saw Instruction Manual - Model Mini Circular Saw 3-3/8"](#)

## Eastvolt Mini Circular Saw 3-3/8"

# Eastvolt Mini Circular Saw Instruction Manual

Model: Mini Circular Saw 3-3/8"

## 1. INTRODUCTION

Thank you for choosing the Eastvolt Mini Circular Saw. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before first use and keep it for future reference. Proper use and care will ensure long-lasting performance and safety.



**Image 1.1:** The Eastvolt Mini Circular Saw shown with its main body, blade, and various accessories including a hex wrench, scale ruler, and dust exhaust pipe.

## 2. SAFETY INSTRUCTIONS

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Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools.

### General Power Tool Safety Warnings

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not expose power tools to rain or wet conditions. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair. Do not overreach. Stay alert and use common sense.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts.

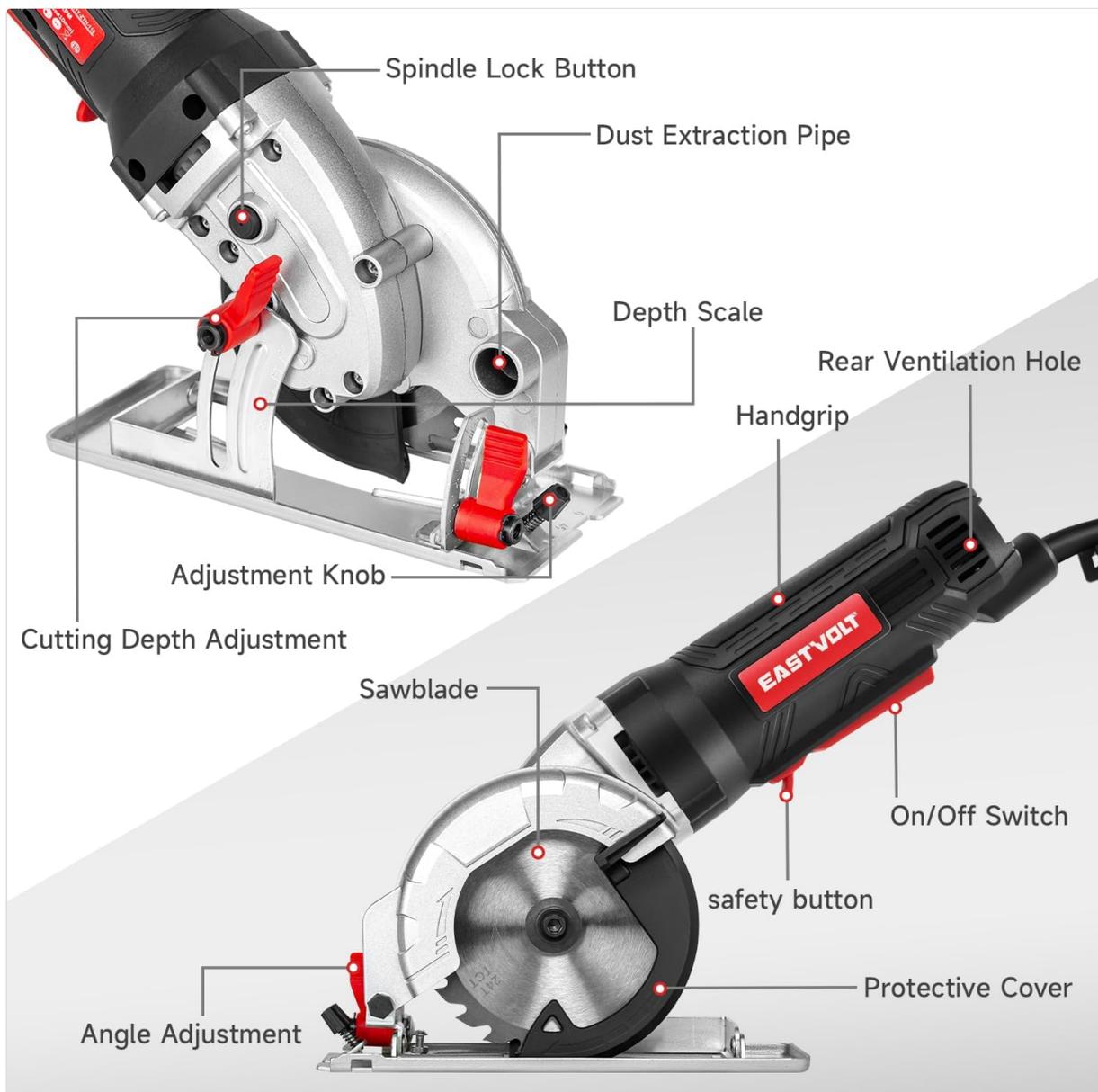
### Circular Saw Specific Safety Warnings

- **Hold the tool by insulated gripping surfaces** when performing an operation where the cutting accessory may contact hidden wiring or its own cord.
- **Use clamps or another practical way to secure and support the workpiece** to a stable platform. Holding the work by hand or against your body makes it unstable and may lead to loss of control.
- **Keep hands away from cutting area and the blade.** Keep your second hand on the auxiliary handle, or motor housing. If both hands are holding the saw, they cannot be cut by the blade.
- **Do not reach underneath the workpiece.** The guard cannot protect you from the blade below the workpiece.
- **Adjust the cutting depth to the thickness of the workpiece.** Less than a full tooth of the blade should be visible below the workpiece.
- **Never hold the workpiece in your hands or across your leg** while cutting. Secure the workpiece to a stable platform.
- **Check the lower guard for proper closing before each use.** Do not operate the saw if the lower guard does not move freely and close instantly.
- **Never place your hand near the rotating blade.**
- **Always ensure the safety button is engaged** before starting the saw to prevent accidental activation.

## 3. PRODUCT OVERVIEW AND COMPONENTS

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Familiarize yourself with the various parts of your Eastvolt Mini Circular Saw to ensure safe and effective operation.



**Image 3.1:** A detailed diagram highlighting key components of the Eastvolt Mini Circular Saw, including the Spindle Lock Button, Dust Extraction Pipe, Depth Scale, Rear Ventilation Hole, Handgrip, Adjustment Knob, Cutting Depth Adjustment, Sawblade, On/Off Switch, Safety Button, Protective Cover, and Angle Adjustment.

#### Key Components:

- **Handgrip:** Ergonomically designed for comfortable and secure handling.
- **On/Off Switch:** Activates and deactivates the saw.
- **Safety Button:** Must be pressed before the On/Off switch can be engaged, preventing accidental starts.
- **Protective Cover:** Guards the blade during operation and when idle.
- **Sawblade:** The cutting accessory. Different blades are used for different materials.
- **Spindle Lock Button:** Used to lock the spindle for safe blade changes.
- **Dust Extraction Pipe:** Connects to a vacuum system for dust collection.
- **Depth Scale & Adjustment Knob:** Allows precise setting of cutting depth.
- **Angle Adjustment:** Enables bevel cuts at various angles.
- **Rear Ventilation Hole:** Ensures proper motor cooling.

## 4. SETUP

### 4.1 Blade Installation/Replacement

1. Ensure the saw is unplugged from the power source.
2. Press and hold the Spindle Lock Button.
3. Using the provided hex wrench, loosen the blade retaining screw by turning it counter-clockwise.
4. Carefully remove the old blade and replace it with the new blade, ensuring the teeth are pointing in the direction of rotation indicated on the saw.
5. Tighten the blade retaining screw clockwise while holding the Spindle Lock Button. Do not over-tighten.
6. Release the Spindle Lock Button and ensure the blade is securely fastened and rotates freely.

#### 4.2 Connecting Dust Extraction

For a cleaner work environment and improved visibility, connect a dust collection system to the saw's dust extraction port.

1. Locate the Dust Extraction Pipe on the saw.
2. Attach the included dust exhaust pipe or a compatible vacuum hose to the dust extraction port.
3. Ensure the connection is secure to prevent dust leakage.



**Image 4.1:** The Eastvolt Mini Circular Saw with a black corrugated dust extraction hose connected to its dust port, demonstrating the dust collection feature.

## 5. OPERATING INSTRUCTIONS

### 5.1 Adjusting Cutting Depth

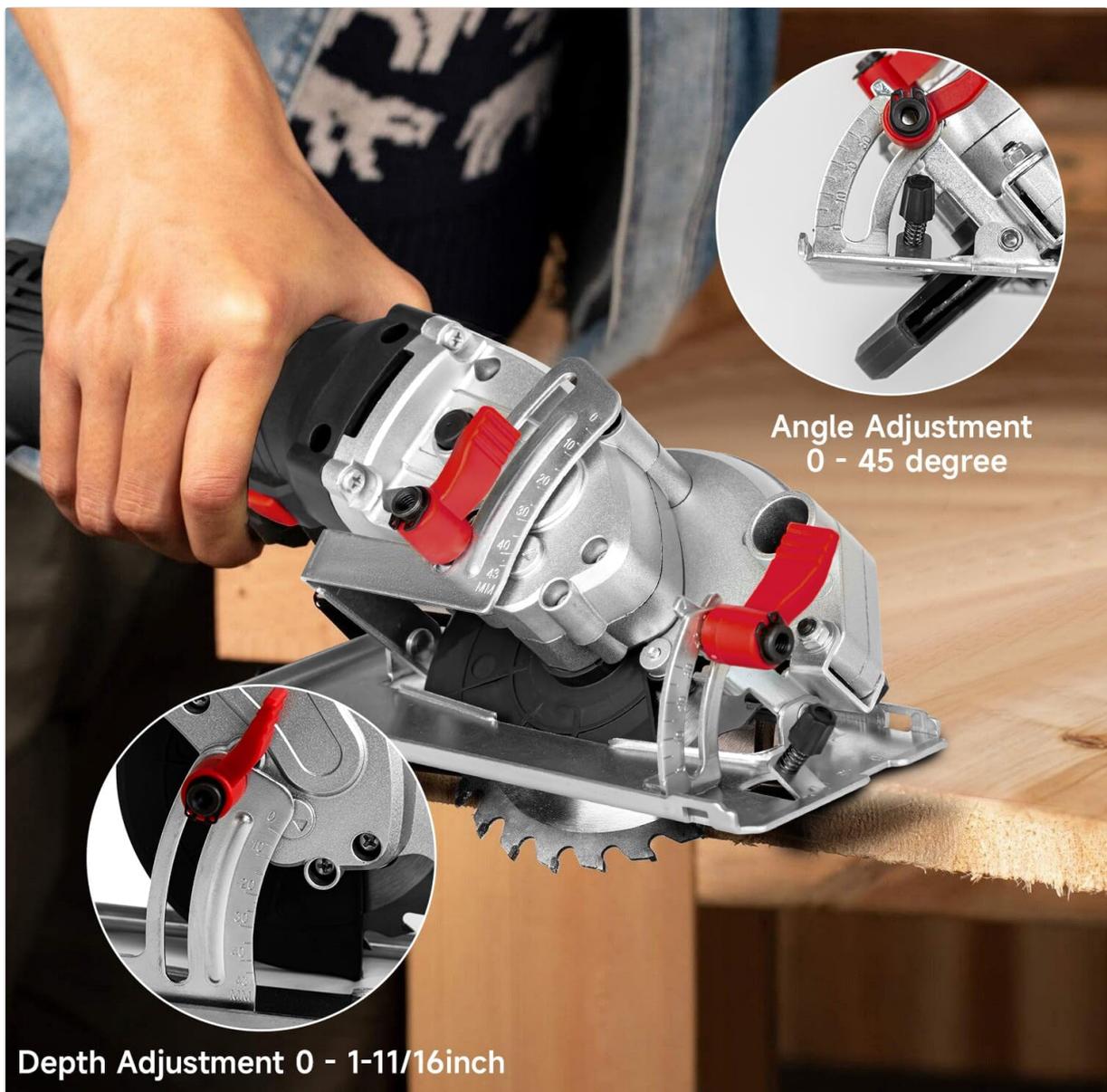
The cutting depth can be adjusted to match the thickness of your workpiece, ensuring a clean cut and preventing unnecessary blade exposure.

1. Unplug the saw.
2. Loosen the Depth Adjustment Knob.
3. Move the base plate up or down until the desired depth is indicated on the Depth Scale.
4. Tighten the Depth Adjustment Knob securely.

### 5.2 Adjusting Cutting Angle (Bevel)

The saw allows for bevel cuts at angles from 0 to 45 degrees.

1. Unplug the saw.
2. Loosen the Angle Adjustment lever/knob.
3. Tilt the base plate to the desired angle, indicated on the Angle Scale.
4. Tighten the Angle Adjustment lever/knob securely.



**Image 5.1:** The Eastvolt Mini Circular Saw demonstrating its adjustable features. Insets show the angle adjustment mechanism allowing 0-45 degree bevel cuts and the depth adjustment mechanism allowing 0-1 11/16 inch cutting depth.

### 5.3 Using the Laser Guide

The integrated laser guide assists in making accurate straight cuts.

1. Ensure the laser guide is clean and unobstructed.
2. Align the laser line with your desired cut line on the workpiece.
3. Maintain this alignment throughout the cut.

### 5.4 Using the Scale Ruler

The included scale ruler (also known as a rip fence or edge guide) helps maintain a consistent distance from the edge of the workpiece for parallel cuts.

1. Insert the scale ruler into the designated slot on the saw's base plate.
2. Adjust the ruler to the desired cutting width and secure it.
3. Guide the ruler along the edge of the workpiece during the cut.



**Scaler Ruler**

**Image 5.2:** The Eastvolt Mini Circular Saw in operation, demonstrating the use of the scale ruler accessory to guide the saw for a precise, straight cut along a wooden board.

## 5.5 Starting and Stopping the Saw

1. Ensure the workpiece is securely clamped and your hands are clear of the blade path.
2. Press and hold the Safety Button.
3. While holding the Safety Button, press the On/Off Switch to start the saw.
4. Allow the blade to reach full speed before beginning the cut.
5. To stop the saw, release the On/Off Switch. The Safety Button will automatically reset.



### SAFETY BUTTON

**Image 5.3:** A close-up view of the Eastvolt Mini Circular Saw's safety button, indicating its function to prevent accidental startup by requiring a deliberate press before the main power switch can be engaged.

## 5.6 Cutting Techniques

- **Straight Cuts:** Use the laser guide or scale ruler for accuracy. Apply steady, even pressure.
- **Bevel Cuts:** Set the desired angle. Ensure the workpiece is stable, as the saw's balance may shift.
- **Cutting Various Materials:** Use the appropriate blade for wood, plastic, tile, or soft metal. Always perform a test cut on scrap material first.



**Image 5.4:** The Eastvolt Mini Circular Saw in action, demonstrating its capability to cut through a PVC pipe, highlighting its versatility for different materials.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your circular saw.

### 6.1 Cleaning

- Always unplug the tool before cleaning.
- Use a soft brush or compressed air to remove dust and debris from the ventilation openings and around the blade guard.
- Wipe the exterior with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Keep the laser guide lens clean for optimal visibility.

### 6.2 Blade Care

- Inspect blades regularly for sharpness and damage. Dull or damaged blades can cause kickback and poor cut quality.
- Replace blades when they become dull or if teeth are missing/damaged.

- Store blades properly to prevent damage and corrosion.

### 6.3 Storage

- Store the saw in a dry, secure location out of reach of children.
- Ensure the power cord is neatly coiled and not kinked.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Eastvolt Mini Circular Saw.

Problem	Possible Cause	Solution
Saw does not start	No power supply Safety button not pressed Faulty switch	Check power outlet and cord Ensure safety button is pressed before On/Off switch Contact customer support
Blade not cutting efficiently	Dull or incorrect blade Incorrect cutting depth Forcing the saw	Replace with a sharp, appropriate blade Adjust cutting depth Allow the saw to do the work, do not force
Excessive vibration or noise	Loose blade Damaged blade Internal issue	Check and tighten blade retaining screw Replace damaged blade Discontinue use and contact customer support
Motor overheating	Blocked ventilation holes Overloading the saw	Clean ventilation holes Reduce cutting speed and pressure; allow motor to cool

## 8. SPECIFICATIONS

Feature	Specification
Brand	Eastvolt
Motor Power	4.5 Amp
No-Load Speed	5000 RPM
Blade Size	3-3/8"
Max. Cutting Depth (90°)	1-11/16"
Max. Cutting Depth (45°)	1-1/8"
Bevel Capacity	0-45°
Power Source	Corded Electric
Special Features	Laser Guide, Double Safety Protection
Product Dimensions	15.2L x 17.8W x 43.2H centimetres
Item Weight	2.36 Kilograms

Feature	Specification
Included Components	Mini Circular Saw, 24T TCT Blade, Hex Wrench, Scale Ruler, Dust Exhaust Pipe, User Manual

## 9. WARRANTY AND SUPPORT

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Eastvolt products are manufactured to high-quality standards. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your purchase or visit the official Eastvolt website. Please retain your proof of purchase for any warranty claims.

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