Makita XEC01PT1

Makita XEC01PT1 18V X2 (36V) LXT® Lithium-Ion Brushless Cordless 9" Power Cutter Kit

Brand: Makita

Model: XEC01PT1

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita XEC01PT1 18V X2 (36V) LXT® Lithium-Ion Brushless Cordless 9" Power Cutter Kit. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.

The Makita XEC01PT1 is a powerful cordless power cutter designed for cutting various materials such as concrete, I-beams, steel pipe, rebar, and metal studs. It offers the convenience of cordless operation, eliminating the need for gas and reducing emissions, making it suitable for indoor use.



Figure 1.1: The Makita XEC01PT1 Power Cutter Kit, including the power cutter, four 18V LXT 5.0Ah batteries, a dual-port charger, a diamond blade, and a cut-off wheel.

2. Safety Information

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools. Keep this manual for future reference.

General Safety Rules:

- **Work Area Safety:** Keep the 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:** Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
- **Personal Safety:** Always wear eye protection. Use appropriate personal protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection for relevant conditions. Stay alert, watch what you are doing, and use common sense when operating a power tool.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

Specific Safety Features:

- **Active Feedback-sensing Technology (AFT):** This feature automatically turns the motor off if the rotation of the wheel is suddenly forced to stop, preventing kickback and enhancing user safety.
- **Electric Brake:** The electric brake stops the cutting wheel in 4 seconds or less, allowing for quicker and safer repositioning of the tool.
- **Lock-off Power Switch:** Designed to prevent accidental startups. Always ensure the switch is in the lock-off position when not in use or when changing accessories.
- **Integrated Overload Indicator:** This indicator alerts the user if the tool is being overloaded, helping to prevent damage to the motor and prolong tool life.



Figure 2.1: The protective battery compartment ensures batteries are secure and protected during operation.

3. Included Components

Your Makita XEC01PT1 Power Cutter Kit includes the following items:

- 18V X2 (36V) LXT® Brushless 9" Power Cutter (XEC01Z)
- (4) 18V LXT® Lithium-Ion 5.0Ah Battery (BL1850B)
- 18V LXT® Lithium-Ion Dual Port Charger (DC18RD)
- Water Hose Coupling (123120-4)
- Universal Wrench, 13mm x 16mm (782023-7)
- 9" x .079" x 7/8" INOX Thin Cut-Off Wheel, 36 Grit (E-03012)
- 9" Diamond Blade, Segmented, General Purpose

- Hex Wrench 4 (783202-0)



Figure 3.1: The Makita XEC01PT1 power cutter with a 9-inch blade installed.

4. Setup

4.1 Battery Installation

1. Ensure the power cutter is turned off and the lock-off switch is engaged.
2. Open the protective battery compartment cover.
3. Insert two fully charged 18V LXT Lithium-Ion batteries into the battery slots until they click into place. The tool requires two batteries for 36V operation.
4. Close the battery compartment cover securely.



Figure 4.1: Proper insertion of batteries into the power cutter.

4.2 Blade Installation/Replacement

1. Ensure the tool is off and batteries are removed.
2. Press the large spindle lock button to secure the spindle.
3. Use the provided universal wrench to loosen the arbor nut.
4. Remove the old blade (if replacing) and clean the arbor and flanges.
5. Place the new 9" cutting blade onto the arbor, ensuring the rotation direction indicated on the blade matches the arrow on the tool.
6. Tighten the arbor nut firmly with the universal wrench while holding the spindle lock button.

4.3 Water Delivery System Connection

1. Locate the water hose coupling on the power cutter.
2. Connect a standard garden hose or water supply to the water hose coupling.

3. Ensure the connection is secure to prevent leaks.

5. Operating Instructions

5.1 Powering On/Off

- To start the tool, disengage the lock-off power switch and depress the trigger switch. The tool features a soft start for smooth operation.
- To stop the tool, release the trigger switch. The electric brake will quickly stop the blade rotation.

5.2 Cutting Operation

- Ensure the workpiece is securely clamped or stable.
- For concrete cutting applications, activate the integrated water delivery system by adjusting the water flow knob to achieve OSHA Table 1 compliance and reduce dust.
- Hold the power cutter firmly with both hands using the main handle and the rubberized front handle.
- Allow the blade to reach full speed before engaging the material.
- Apply steady, even pressure. Do not force the tool. If the overload indicator illuminates, reduce pressure.
- The maximum cutting depth is 3-1/2 inches, allowing for single-pass cuts through standard residential concrete slabs.



Figure 5.1: The power switch and LED light button on the handle.

5.3 LED Light Function

- The built-in L.E.D. light illuminates the cutting area for improved visibility.
- Press the dedicated L.E.D. light button on the handle to turn the light on or off.



Figure 5.2: The integrated LED light provides illumination for the cutting path.

6. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your power cutter.

6.1 Cleaning

- After each use, remove batteries and clean the tool with a dry cloth to remove dust and debris.
- Pay special attention to ventilation openings to prevent overheating.
- Clean the water delivery system components to prevent clogs.

6.2 Blade Care and Replacement

- Inspect blades before each use for wear, cracks, or damage. Replace damaged blades immediately.
- Store blades in a dry place to prevent rust.

- Refer to Section 4.2 for blade replacement instructions.

6.3 Battery Care

- Charge batteries using only the Makita 18V LXT Lithium-Ion Dual Port Charger (DC18RD).
- Do not store batteries in direct sunlight or in places with high temperatures.
- For long-term storage, charge batteries to about 50% capacity and store in a cool, dry place.
- **Warning:** Do not use "knock-off" Makita Lithium-Ion batteries as they may burst, causing fires, personal injuries, or property damage.

7. Troubleshooting

Problem	Possible Cause	Solution
Tool does not start	Batteries not inserted correctly or discharged. Lock-off switch engaged.	Ensure batteries are fully charged and properly inserted. Disengage the lock-off switch.
Tool stops during operation (AFT activated)	Blade rotation suddenly stopped due to binding or excessive load.	Release the trigger, clear any obstruction, and restart the tool. Reduce cutting pressure.
Overload indicator illuminates	Excessive cutting pressure or material too hard.	Reduce cutting pressure. Ensure the correct blade is used for the material.
Poor cutting performance	Dull or incorrect blade.	Replace with a sharp, appropriate blade for the material.
Water system not flowing	Hose kinked, water supply off, or nozzle clogged.	Check hose for kinks, ensure water supply is on, clean the nozzle.

8. Specifications

Feature	Detail
Brand	Makita
Model Number	XEC01PT1
Power Source	Battery Powered (18V X2 / 36V LXT Lithium-Ion)
Motor Type	Brushless
No-Load Speed	6,600 RPM
Blade Diameter	9 Inches
Max Cutting Depth	3-1/2 Inches
Blade Material Compatibility	Abrasive (e.g., diamond or inox)
Integrated Features	Water Delivery System, AFT®, Electric Brake, L.E.D. Light, Overload Indicator

Feature	Detail
Weight (with batteries)	Approximately 28.55 Pounds
Dimensions (L x W x H)	12"L x 12"W x 12"H (Product Dimensions)
OSHA Compliance	OSHA Table 1 (with water delivery system)

9. Warranty and Support

9.1 Warranty Information

The Makita XEC01PT1 Power Cutter Kit is covered by a **3-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship. For full details regarding warranty coverage, limitations, and claims, please refer to the official Makita warranty statement included with your product or visit the official Makita website.

9.2 Customer Support

For technical assistance, service, or to inquire about genuine Makita parts and accessories, please contact Makita customer support:

- **Phone:** (800) 4-MAKITA (800-462-5482)
- **Website:** www.makitatools.com
- You may also visit a Makita Factory Service Center or Authorized Service Center for assistance.

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