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Makita XVJ03Z

Makita XVJ03Z 18V LXT® Lithium-Ion Cordless Jig Saw Instruction Manual

Model: XVJ03Z | Brand: Makita

Product Overview

The Makita 18V LXT Lithium-Ion Cordless Jig Saw (model XVJ03Z, tool only) is engineered for precision and power with a lightweight design. It offers reduced vibration and lower noise for enhanced control and comfort during operation. This tool is part of Makita's extensive 18V Lithium-Ion series, powered by an 18V Lithium-Ion slide-style battery (sold separately). Makita 18V Lithium-Ion batteries feature fast charge times, maximizing tool uptime.

Key Features

- Makita-built variable speed motor delivers 0-2,600 strokes per minute for faster and more efficient cutting.
- 3 orbital settings plus straight cutting for use in a wide range of materials.
- Tool-less blade change lever allows for faster blade installation and removal for increased productivity.
- Large 2-finger variable speed trigger for added convenience.
- Heavy gauge, precision machined base for smooth cutting and added durability.



Figure 1: Makita XVJ03Z 18V LXT® Lithium-Ion Cordless Jig Saw (Tool Only)

Important Safety Information

Always read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury. Save all warnings and instructions for future reference.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



Figure 2: Caution regarding non-genuine Makita Lithium-Ion batteries.

Setup

Battery Installation

To install the battery, align the battery pack with the housing and slide it in until it locks into place. To remove, press the release button on the battery and slide it out. Ensure the battery is fully charged before use.

Blade Installation

The XVJ03Z features a tool-less blade change lever for quick and easy blade installation and removal. To install a blade, lift the blade clamp lever, insert the blade fully into the blade holder with the teeth facing forward, and then release the lever to secure the blade. Ensure the blade is firmly seated before operation.

Operating Instructions

Powering On/Off

The jig saw is activated by a large 2-finger variable speed trigger. Press the trigger to start the tool, and release to stop. The variable speed allows for precise control over cutting speed based on material and application. A lock-on button is available for continuous operation, reducing user fatigue during extended use.

Orbital Settings

The tool offers 3 orbital settings plus straight cutting. Adjust the orbital action selector to match the material being cut and the desired cut quality. Higher orbital settings provide faster, more aggressive cuts, while lower settings or straight cutting offer finer, smoother cuts.

Cutting Techniques

For straight cuts, guide the saw along a marked line, applying steady, even pressure. For curved cuts, use a narrower blade and guide the saw slowly along the curve. The precision machined base ensures smooth gliding over the workpiece. The tool also supports bevel cutting up to 45 degrees; refer to the user guide for detailed

instructions on adjusting the base for angled cuts.

LED Work Light

The built-in LED light illuminates the work area, providing improved visibility of the cutting line, especially in dimly lit conditions.

Video 1: Official Makita overview of the XVJ03Z 18V LXT® Lithium-Ion Cordless Jig Saw, highlighting key features and operation.

Maintenance

Cleaning

Regularly clean the tool, especially the blade area and dust blower, to ensure optimal performance and clear the line of cut. Use a dry cloth to wipe down the tool. Do not use harsh chemicals or abrasive cleaners.

Blade Care

Inspect blades regularly for sharpness and damage. Dull or damaged blades can lead to poor cut quality and increased strain on the tool. Replace blades as needed using the tool-less blade change lever.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start	Battery not installed correctly or discharged	Ensure battery is fully inserted and charged.
Poor cut quality / Slow cutting	Dull or incorrect blade; Incorrect orbital setting	Replace blade; Adjust orbital setting for material.
Excessive vibration	Damaged blade; Loose components	Inspect and replace blade if damaged; Check for loose parts.

For more detailed troubleshooting, please refer to the full user guide.

Technical Specifications

Brand: Makita

Model Number: XVJ03Z

Voltage: 18 Volts

Power Source: Battery Powered

Item Weight: 6 Pounds

Product Dimensions: 12.3"L x 3.6"W x 9.1"H

Blade Material: High Speed Steel

Cutting Angle: 45 Degrees

Special Feature: "Tool-less" blade change lever allows for faster blade installation and removal

Warranty and Support

The Makita XVJ03Z 18V LXT® Lithium-Ion Cordless Jig Saw comes with a Limited Warranty. For specific warranty details and terms, please refer to the warranty documentation included with your product or visit the official Makita website.

For further assistance, technical support, or to view the complete user guide, please visit the official Makita website or refer to the User Guide PDF provided:

Download User Guide (PDF)

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