Makita 4351FCTJB

Makita 4351FCTJB 720W Jigsaw Instruction Manual

Model: 4351FCTJB

1. Introduction

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your Makita 4351FCTJB 720W Jigsaw. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.
The Makita 4351FCTJB is a corded electric jigsaw designed for cutting various materials, primarily wood, with precision and control. It features a 720W motor, LED light, and a comfortable sheathed handle.

2. Safety Instructions

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury.

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. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. Always wear eye protection. Use dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions.
- **Power 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.

3. Component Identification

Familiarize yourself with the parts of your Makita Jigsaw.



Image 1: Overview of the Makita 4351FCTJB Jigsaw. This image displays the main body of the jigsaw, including the handle, motor housing, base plate, and blade area. The teal and black color scheme is visible, along with the Makita logo on the side. The power cord extends from the rear of the tool. The blade is visible at the front, extending below the base plate.

1. **Handle:** Ergonomically designed for grip and control.
2. **Power Switch:** On/Off control for the motor.
3. **Speed Control Dial:** Adjusts the cutting speed.
4. **Blade Clamp:** Secures the jigsaw blade.
5. **Base Plate (Shoe):** Supports the tool on the workpiece and can be adjusted for bevel cuts.
6. **Dust Blower:** Clears sawdust from the cutting line.
7. **LED Light:** Illuminates the cutting area.
8. **Orbital Action Lever:** Adjusts the aggressiveness of the cut.

4. Setup

4.1 Installing/Removing the Blade

1. **Ensure Power is Disconnected:** Always unplug the tool from the power source before installing or removing blades.
2. **Open Blade Clamp:** Locate the blade clamp lever or mechanism. Follow the tool's specific instructions to open it.

3. **Insert Blade:** Insert the blade with the teeth facing forward into the blade clamp until it clicks into place or is firmly secured. Ensure the back edge of the blade fits into the guide roller.
4. **Close Blade Clamp:** Securely close the blade clamp. Gently pull on the blade to confirm it is locked.
5. **To Remove:** Reverse the steps.

4.2 Adjusting the Base Plate for Bevel Cuts

1. **Loosen Base Plate Screws:** Use the appropriate tool (e.g., hex wrench) to loosen the screws holding the base plate.
2. **Adjust Angle:** Tilt the base plate to the desired angle (up to 45 degrees). Markings on the base plate indicate common angles.
3. **Tighten Screws:** Securely tighten the base plate screws to lock the angle in place.

5. Operating Instructions

5.1 Before Starting

- **Secure Workpiece:** Always clamp the workpiece firmly to prevent movement during cutting.
- **Select Blade:** Choose the correct blade for the material and type of cut (e.g., wood, metal, curve).
- **Set Orbital Action:** Adjust the orbital action lever based on the material and desired cut aggressiveness. Higher orbital settings are for faster, rougher cuts in wood; lower or no orbital action for finer cuts or harder materials.
- **Set Speed:** Use the speed control dial to select an appropriate cutting speed. Slower speeds are generally for harder materials or intricate cuts, faster speeds for softer materials.

5.2 Making a Cut

1. **Plug In:** Connect the jigsaw to a suitable power outlet.
2. **Position Tool:** Place the front edge of the base plate flat on the workpiece, ensuring the blade is clear of the material.
3. **Start Cut:** Turn on the tool. Allow the blade to reach full speed before engaging the material.
4. **Guide Tool:** Guide the jigsaw along the cutting line with steady, firm pressure. Do not force the tool; let the blade do the work.
5. **Maintain Contact:** Keep the base plate flat against the workpiece throughout the cut.
6. **Finish Cut:** Once the cut is complete, release the power switch and wait for the blade to stop completely before lifting the tool from the workpiece.

5.3 Using the LED Light

The integrated LED light automatically illuminates the cutting area when the tool is powered on, improving visibility for precise cuts, especially in dimly lit environments.

6. Maintenance

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** Keep the tool's ventilation openings clean to prevent overheating. Regularly clean sawdust and debris from the base plate and blade area. Use a soft cloth, and never use solvents.
- **Blade Changes:** Always use sharp, undamaged blades. Dull or bent blades can cause kickback and poor cut quality.

- **Cord Inspection:** Periodically inspect the power cord for damage. If damaged, have it replaced by a qualified service technician.
- **Carbon Brushes:** The motor uses carbon brushes. These wear out over time and should be checked and replaced by a Makita authorized service center when necessary.
- **Lubrication:** This tool is factory-lubricated and does not require additional lubrication.

7. Troubleshooting

Problem	Possible Cause	Solution
Tool does not start	No power supply; faulty switch; worn carbon brushes.	Check power connection and outlet. Contact service center for switch or brush replacement.
Blade not cutting efficiently	Dull or incorrect blade; incorrect speed setting; excessive feed pressure.	Replace blade. Select appropriate blade for material. Adjust speed. Reduce feed pressure.
Excessive vibration	Loose blade; bent blade; worn blade guide.	Ensure blade is securely clamped. Replace bent blade. Contact service center for blade guide inspection.
Motor overheating	Blocked ventilation slots; continuous heavy use.	Clean ventilation slots. Allow tool to cool down. Avoid prolonged heavy use.

If you encounter problems not listed here or if solutions do not resolve the issue, contact a Makita authorized service center.

8. Specifications

Model:	4351FCTJB
Power Input:	720 W
Voltage:	230 V
Blade Material:	High Speed Steel (HSS)
Recommended Surface:	Wood
Power Source:	Corded Electric
Special Features:	LED Light, Sheathed Handle
Product Dimensions (L x W x H):	15.55" x 11.61" x 4.33" (39.5 cm x 29.5 cm x 11 cm)
Item Weight:	2.6 kg (5.72 lbs)
Blade Length:	135 mm
Max Cutting Angle:	45 Degrees

9. Warranty and Support

Makita power tools are manufactured under strict quality control and inspection standards. This product is covered by Makita's standard warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Makita website.

For technical support, service, or to locate an authorized service center, please contact Makita customer service or visit their official website. Keep your purchase receipt as proof of purchase for warranty claims.

Makita Official Website: www.makitatools.com

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