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Makita DJR189Z

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Model: DJR189Z

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Makita DJR189Z 18V Cordless Reciprocating Saw. Please read this manual thoroughly before operating the tool to ensure proper handling, maintenance, and to prevent injury or damage.

The Makita DJR189Z is a compact and powerful reciprocating saw designed for various cutting tasks. It features a brushless motor for efficiency and durability, an LED work light, and a tool-free saw blade change mechanism.

2. GENERAL SAFETY INSTRUCTIONS

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

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Always wear eye protection, hearing protection, and appropriate work gloves. Dress properly; avoid loose clothing or jewelry.
- **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 Safety:** Use only the specified battery packs for this tool. The tool features deep discharge protection, which automatically switches off the device when the battery is almost empty to prevent damage.
- **Vibration:** Prolonged use may cause vibration-related injuries. Take regular breaks and use anti-vibration gloves if necessary.

3. PRODUCT COMPONENTS

Familiarize yourself with the parts of your Makita DJR189Z reciprocating saw.



Figure 1: Makita DJR189Z 18V Cordless Reciprocating Saw. This image displays the main body of the saw, including the blade, the tool-free blade change mechanism, the ergonomic handle, the brushless motor housing, and the battery interface (battery not included).

- **Saw Blade:** The cutting accessory.
- **Blade Clamp:** Secures the saw blade.
- **Shoe:** Provides support against the workpiece.
- **Trigger Switch:** Activates the saw.
- **Lock-off Button:** Prevents accidental starting.
- **Handle:** For gripping and controlling the tool.
- **LED Work Light:** Illuminates the cutting area.
- **Battery Port:** For inserting the 18V LXT battery (sold separately).

4. SETUP

4.1. Battery Installation (Battery and Charger Sold Separately)

1. Ensure the saw is switched off and the lock-off button is engaged.
2. Align the battery pack with the battery port on the tool.
3. Slide the battery pack into the port until it clicks into place. Ensure it is securely latched.
4. To remove the battery, press the release button on the battery pack and slide it out.

4.2. Saw Blade Installation and Removal

The DJR189Z features a tool-free blade change system.

1. Installation:

- Ensure the battery is removed from the tool.
- Lift the blade clamp lever.
- Insert the shank of the saw blade fully into the blade clamp.
- Release the blade clamp lever. Gently pull on the blade to ensure it is securely locked.

2. Removal:

- Ensure the battery is removed from the tool.
- Lift the blade clamp lever.
- Pull the saw blade out. Be cautious as the blade may be hot after use.

5. OPERATION

5.1. Starting and Stopping

1. To start the tool, press the lock-off button and then pull the trigger switch. The LED work light will illuminate when the trigger is pulled.
2. To stop the tool, release the trigger switch.

5.2. Cutting Techniques

- **General Cutting:** Place the shoe firmly against the workpiece. Start the saw and allow it to reach full speed before engaging the blade with the material. Apply steady, even pressure.
- **One-Handed Operation:** The design of the DJR189Z allows for one-handed operation in tight spaces. Ensure a firm grip and maintain control.
- **Material Compatibility:** Use appropriate blades for the material being cut (e.g., wood, metal, plastic). The saw has a maximum cutting capacity of 255 mm for wood and 130 mm for tubes.
- **LED Work Light:** The integrated LED light helps illuminate the cutting line in dimly lit areas.

6. MAINTENANCE

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

- **Cleaning:** After each use, remove the battery and clean the tool with a soft, dry cloth. Use compressed air to clear dust from ventilation openings. Do not use harsh chemicals or abrasive cleaners.
- **Blade Inspection:** Regularly inspect saw blades for sharpness and damage. Replace dull or damaged blades promptly.
- **Brushless Motor:** The DJR189Z features a brushless, maintenance-free motor, eliminating the need for carbon brush replacement.
- **Storage:** Store the tool in a dry, secure place out of reach of children. Remove the battery pack before storage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	Battery is not inserted correctly or is discharged.	Ensure battery is fully inserted. Charge the battery if necessary.
Tool stops during operation.	Battery is low (deep discharge protection activated). Overload protection activated.	Recharge the battery. Reduce cutting pressure or use a sharper blade.
Reduced cutting performance.	Dull or incorrect blade.	Replace the blade with a sharp, appropriate blade for the material.
Excessive vibration.	Loose blade or damaged blade.	Check blade installation. Replace damaged blade.

8. TECHNICAL SPECIFICATIONS

Model:	DJR189Z
Battery Voltage:	18 V
Battery System:	LXT
Idle Stroke Number:	0 - 3100 min ⁻¹ (RPM)
Lifting Height (Stroke Length):	22 mm
Max. Cutting Capacity (Wood 90°):	255 mm
Max. Cutting Capacity (Tube):	130 mm
Weight (including battery, EPTA):	2.2 - 2.5 kg (4.85 - 5.51 lbs)
Product Dimensions (L x W x H):	366 - 410 x 81 x 154 - 182 mm
Sound Power Level (LWA):	99 dB(A)
Sound Pressure Level (LpA):	88 dB(A)
Vibration Sawing Wood:	9.0 m/s ²
Vibration Wood Chopping:	8.7 m/s ²
Special Features:	LED light, Deep discharge protection, Brushless motor, Tool-free blade change

9. WARRANTY AND SUPPORT

9.1. Warranty Information

This Makita product comes with a **Limited Warranty**. For specific details regarding warranty coverage, duration, and terms, please refer to the warranty card included with your purchase or visit the official Makita website. Please note that warranty terms may vary based on region and point of purchase.

9.2. Customer Support

For technical assistance, service, or spare parts, please contact your local authorized Makita service center or the retailer from whom you purchased the product. You can find contact information on the official Makita website or in your product documentation.

