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› Mowox Power 40V 8" Cordless Pole Saw MWPS4000 User Manual

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Mowox Power 40V 8" Cordless Pole Saw MWPS4000 User Manual

Model: MWPS4000

1. INTRODUCTION

This user manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Mowox Power 40V 8" Cordless Pole Saw, Model MWPS4000. Please read this manual thoroughly before initial use and retain it for future reference. Understanding these instructions will ensure optimal performance and extend the lifespan of your tool.

2. IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Failure to follow these instructions may result in serious injury or death.

- **Personal Protective Equipment (PPE):** Always wear safety glasses, hearing protection, gloves, and a hard hat when operating the pole saw. Wear sturdy, non-slip footwear.
- **Work Area:** Keep the work area clear of bystanders, children, and pets. Ensure good footing and balance. Do not operate in wet conditions or near power lines.
- **Tool Condition:** Inspect the pole saw before each use. Ensure the chain is sharp and properly tensioned, and that all parts are securely fastened. Do not use if damaged.
- **Battery Safety:** Use only the specified Mowox 40V battery and charger. Do not expose batteries to water, heat, or direct sunlight. Store batteries in a cool, dry place.
- **Operation:** Hold the pole saw firmly with both hands. Maintain a safe distance from the cutting area. Be aware of falling branches. Never operate the saw above shoulder height.
- **Maintenance:** Disconnect the battery before performing any maintenance, cleaning, or adjustments.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon opening the package. If any items are missing or damaged, contact customer support.

- Mowox Power 40V Cordless Pole Saw (MWPS4000)
- 8" Oregon Bar and Chain
- 4Ah Lithium-Ion Battery
- Battery Charger
- Shoulder Strap
- User Manual (this document)



Figure 3.1: Included components of the Mowox Power 40V 8" Cordless Pole Saw kit. This image displays the main pole saw unit, the detachable 40V 4Ah battery, the battery charger, and a shoulder strap for improved handling.

4. PRODUCT FEATURES

The Mowox Power 40V Cordless Pole Saw is designed for efficient and convenient tree trimming. Key features include:

- **8" Oregon Bar & Chain:** Equipped with an 8-inch Oregon bar and chain, ensuring clean and sharp cuts with a chain speed of up to 26 ft/s.
- **Automatic Oil Feeding:** The system automatically lubricates the chain, preventing jamming and ensuring smooth operation.

- **500mm Stepless Telescopic Adjustment:** The pole offers a continuous adjustment range of 500mm, allowing the user to set the pole to any desired length between 8.2 ft and 9.8 ft for optimal reach and comfort.
- **Powerful Brushless Motor:** Features a self-developed brushless motor for extended lifespan, lower energy consumption, and improved work efficiency compared to traditional brushed motors.
- **Durable 40V Lithium-Ion Battery System:** The 40V Lithium-Ion battery includes protective features to maximize battery life. LED indicators provide power level status and assist in quick troubleshooting.
- **Tool-Free Chain Tensioning:** Simplifies chain adjustments without requiring additional tools.
- **Safety Switch:** Integrated safety switch to prevent accidental startup.



Figure 4.1: Overview of key features including the 8" Oregon bar and chain, stepless telescopic adjustment, tool-free chain tensioning, automatic chain lubrication, and the safety switch.



Figure 4.2: Illustration of the pole saw's stepless adjustment mechanism, demonstrating its ability to extend from 8.2 feet to 9.8 feet for varied reach requirements.

AUTOMATIC LUBRICATION



TOOL-FREE TENSIONING

Figure 4.3: Close-up view highlighting the automatic lubrication system, which ensures the chain remains oiled during operation, and the tool-free tensioning knob for easy chain adjustments.

NO CHOCK POWERFUL MOTOR



Figure 4.4: An internal diagram showcasing the powerful brushless motor, designed for efficient performance and reduced risk of stalling during cutting tasks.

ULTIMATE POWER

finish the job

Go battery with 40-volt gas-like performance. One battery powers all Green Machine tools.



5V 2A
USB Port



Power
Indicator



Overheat
Protection



Over-Load
Protection



Over-Discharge
Protection

Figure 4.5: The 40V 4Ah Lithium-Ion battery, featuring a 5V 2A USB port, power indicator, and built-in protections against overheating, overloading, and over-discharge.

5. ASSEMBLY AND SETUP

5.1 Attaching the Bar and Chain

1. Ensure the battery is removed from the pole saw.
2. Carefully unpackage the 8" Oregon bar and chain.
3. Refer to the tool-free tensioning mechanism. Loosen the knob to allow for chain installation.
4. Place the chain around the sprocket and guide bar, ensuring the cutting edges face the correct direction.
5. Secure the bar and chain assembly to the pole saw head.
6. Adjust the chain tension using the tool-free tensioning knob. The chain should be snug but still able to be pulled freely around the bar by hand.

5.2 Filling the Chain Oil Reservoir

1. Ensure the battery is removed.
2. Locate the oil reservoir cap on the pole saw head.
3. Unscrew the cap and fill the reservoir with appropriate bar and chain oil (not included). Do not overfill.
4. Securely replace the cap.
5. Periodically check the oil level during operation and refill as needed.

5.3 Attaching the Shoulder Strap

1. Attach the shoulder strap to the designated attachment points on the pole saw.
2. Adjust the strap length for comfortable and balanced operation, distributing the tool's weight.

5.4 Charging the Battery

1. Connect the charger to a standard power outlet.
2. Insert the 40V Lithium-Ion battery into the charger.
3. Monitor the charger's indicator lights for charging status. A full charge is indicated when all lights are solid green.
4. Once fully charged, remove the battery from the charger.

6. OPERATION

6.1 Pre-Operation Checklist

- Ensure all safety gear is worn.
- Check chain tension and sharpness.
- Verify oil reservoir is adequately filled.
- Confirm battery is fully charged and securely inserted.
- Clear the work area of obstructions and bystanders.
- Plan your cuts and identify potential falling branch paths.

6.2 Starting and Stopping the Pole Saw

1. Insert the charged battery into the battery compartment until it clicks into place.
2. To start, press and hold the safety switch, then squeeze the trigger. The chain will begin to move.
3. To stop, release the trigger. The chain will cease movement.

6.3 Adjusting the Telescopic Pole

1. Ensure the pole saw is off and the battery is removed for safety during adjustment.
2. Locate the locking collar or mechanism on the telescopic pole.
3. Loosen the locking mechanism.
4. Extend or retract the pole to the desired length (between 8.2 ft and 9.8 ft).
5. Securely tighten the locking mechanism to prevent the pole from slipping during use.

6.4 Cutting Techniques

- **Undercut First:** For larger branches, make a small undercut on the underside of the branch first to prevent bark stripping when the main cut is made.
- **Main Cut:** Position the saw on top of the branch, slightly further out from the undercut. Allow the saw to do the work; do not force it.
- **Balance:** Maintain a balanced stance and use the shoulder strap to support the tool's weight.
- **Avoid Kickback:** Be aware of the kickback zone at the tip of the guide bar.
- **Clear Debris:** Regularly clear cut branches and debris from the work area.



Figure 6.1: The Mowox Power Pole Saw in action, demonstrating its capability to cut tree branches. The image highlights the 40V Lithium-Ion power source and the efficiency of up to 65 cuts per charge.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your pole saw. Always remove the battery before performing any maintenance.

7.1 Chain Lubrication

- The pole saw features an automatic oiling system. Regularly check the oil level indicator and refill the reservoir with quality bar and chain oil as needed.
- Ensure the oil port is clear of debris to allow proper lubrication.

7.2 Chain Sharpening and Replacement

- A dull chain will reduce cutting efficiency and increase strain on the motor. Sharpen the chain regularly or replace it when necessary.
- Refer to the chain manufacturer's instructions for proper sharpening techniques or consult a qualified service technician.

7.3 Cleaning and Storage

- After each use, clean the pole saw thoroughly. Remove sawdust, debris, and sap from the bar, chain, and motor housing.
- Use a damp cloth for cleaning; do not use harsh chemicals or immerse the tool in water.
- Store the pole saw in a dry, secure location, out of reach of children. Remove the battery before storage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pole saw does not start.	Battery not charged or improperly inserted. Safety switch not engaged.	Ensure battery is fully charged and securely inserted. Press and hold the safety switch before squeezing the trigger.
Chain does not move or moves slowly.	Chain tension too tight. Chain dull or damaged. Low battery charge.	Adjust chain tension. Sharpen or replace chain. Recharge battery.
Saw cuts poorly or binds.	Dull chain. Insufficient chain oil. Improper cutting technique.	Sharpen or replace chain. Refill oil reservoir. Review cutting techniques in Section 6.4.
Excessive vibration.	Loose components. Damaged chain or bar.	Check all fasteners for tightness. Inspect chain and bar for damage and replace if necessary.

9. SPECIFICATIONS

Feature	Detail
Model Number	MWPS4000
Brand	MOWOX POWER
Power Source	40V Lithium-Ion Battery
Bar Length	8 inches (Oregon Bar)
Chain Speed	Up to 26 ft/s (8 m/s)
Telescopic Adjustment Range	500mm (approx. 8.2 ft to 9.8 ft total length)
Motor Type	Brushless
Horsepower	3.6 Kilowatts
Product Dimensions	23 x 16 x 130 cm
Item Weight	6.35 kg
Manufacturer	DAYE

10. WARRANTY AND SUPPORT

Mowox Power provides the following warranty for your product:

- **Tool Warranty:** Two (2) years from the date of purchase.
- **Battery & Charger Warranty:** One (1) year from the date of purchase.

This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, abuse, neglect, unauthorized repairs, or normal wear and tear.

For warranty claims, technical support, or any questions regarding your Mowox Power product, please contact our customer service department. We are committed to assisting you within 24 hours of your inquiry.

Please have your model number (MWPS4000) and proof of purchase available when contacting support.