DEWALT DCPS620B

DEWALT 20V MAX* XR® Brushless Cordless Pole Saw (DCPS620B) Instruction Manual

1. Introduction

This manual provides essential information for the safe and effective operation, assembly, and maintenance of your DEWALT 20V MAX* XR® Brushless Cordless Pole Saw, model DCPS620B. Please read and understand all instructions before use.

The DEWALT DCPS620B is designed for pruning tasks, featuring an 8-inch bar and chain, a high-efficiency brushless motor, and an extendable pole for increased reach. It includes an auto-oiling system, metal bucking strips for cutting grip, and a tree hook for branch removal.

Key Features:

- Extension pole for up to 15 ft. reach.
- Durable cutting grip with metal bucking strip and tree hook for branch removal.
- Brushless motor for efficient cutting performance.
- 8-inch low-kickback, full-complement bar and chain.
- Automatic oiling system for reduced maintenance.
- Comfort grip handle for improved control.



Figure 1: DEWALT DCPS620B Pole Saw, fully assembled.

2. Safety Information

WARNING: Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

General Safety Rules:

- **Work Area Safety:** Keep the work area clean and well-lit. 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 earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection, hearing protection, and appropriate clothing. Do not overreach. Maintain proper footing and balance at all times.
- **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.

Specific Pole Saw Safety:

- **Kickback:** Be aware of kickback. Kickback may occur when the nose or tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut.
- **Operation:** Hold the pole saw firmly with both hands. Do not operate the pole saw with one hand. Ensure the area below the cutting zone is clear of people and animals.
- **Maintenance:** Keep handles dry, clean, and free from oil and grease. Maintain the saw chain sharp and clean for better and safer performance.
- **Battery:** Use only DEWALT 20V MAX* battery packs and chargers.

3. Components and Assembly

The DEWALT DCPS620B Pole Saw comes with the main tool, an 8-inch bar and chain, a tensioning wrench, a sheath, and a 3 ft extension pole. Battery and charger are sold separately.



Figure 2: Included components for the DCPS620B Pole Saw (Tool Only).

Assembly Steps:

1. **Attach Pole Saw Head:** Align the pole saw head with the main power unit or extension pole. Ensure the connection points are clean. Push and twist until it locks securely.
2. **Install Extension Pole (Optional):** If additional reach is required, insert the 3 ft extension pole between the main power unit and the pole saw head. Secure it firmly.
3. **Install Bar and Chain:**
    - Remove the chain cover.
    - Place the chain around the sprocket and guide bar, ensuring the cutting edges face the correct direction.
    - Reattach the chain cover and tighten the nuts finger-tight.
4. **Adjust Chain Tension:** Use the tensioning wrench to adjust the chain tension. The chain should be snug against the guide bar but still able to be pulled freely by hand. Refer to the "Maintenance" section for detailed chain tensioning.



Figure 3: Assembled DEWALT DCPS620B Pole Saw with extension.

4. Setup

Battery Installation:

1. Ensure the pole saw is turned off and the chain brake is engaged (if applicable).
2. Align the battery pack with the battery port on the tool handle.
3. Slide the battery pack into the port until it clicks into place. Ensure it is fully seated.
4. To remove, press the battery release button and slide the battery pack out.

Chain Oiling:

The DCPS620B features an auto-oiling system. Before each use, ensure the oil reservoir is filled with appropriate bar and chain oil.

1. Place the pole saw on a flat, stable surface.
2. Locate the oil cap on the pole saw head.
3. Unscrew the oil cap and fill the reservoir with quality bar and chain oil. Do not overfill.
4. Replace the oil cap securely.
5. Periodically check the oil level during operation and refill as needed.



Figure 4: Close-up of the pole saw head, highlighting the 8-inch bar and chain and the oil reservoir cap.

5. Operating Instructions

Always wear appropriate personal protective equipment (PPE) including safety glasses, gloves, and hearing protection when operating the pole saw.

Starting the Pole Saw:

1. Ensure the battery is fully charged and installed.
2. Hold the pole saw firmly with both hands, maintaining a balanced stance.
3. Press the safety lock-off button (if present) and then squeeze the trigger switch to start the motor. The chain will begin to move.
4. Release the trigger to stop the saw.

Cutting Techniques:

- **Pre-Cutting Inspection:** Before cutting, inspect the branch for stability and potential fall direction. Clear the area below the branch.
- **Undercut First:** For larger branches, make a small undercut on the underside of the branch first. This prevents the branch from splitting and pinching the saw.
- **Top Cut:** Position the saw on top of the branch, slightly further out from the undercut. Allow the saw to cut through the branch with minimal pressure. Let the saw do the work.

- **Avoid Kickback:** Do not cut with the tip of the guide bar. Always use the bottom or top edge of the bar.
- **Tree Hook:** Use the integrated tree hook to pull down cut branches that remain lodged in the tree.

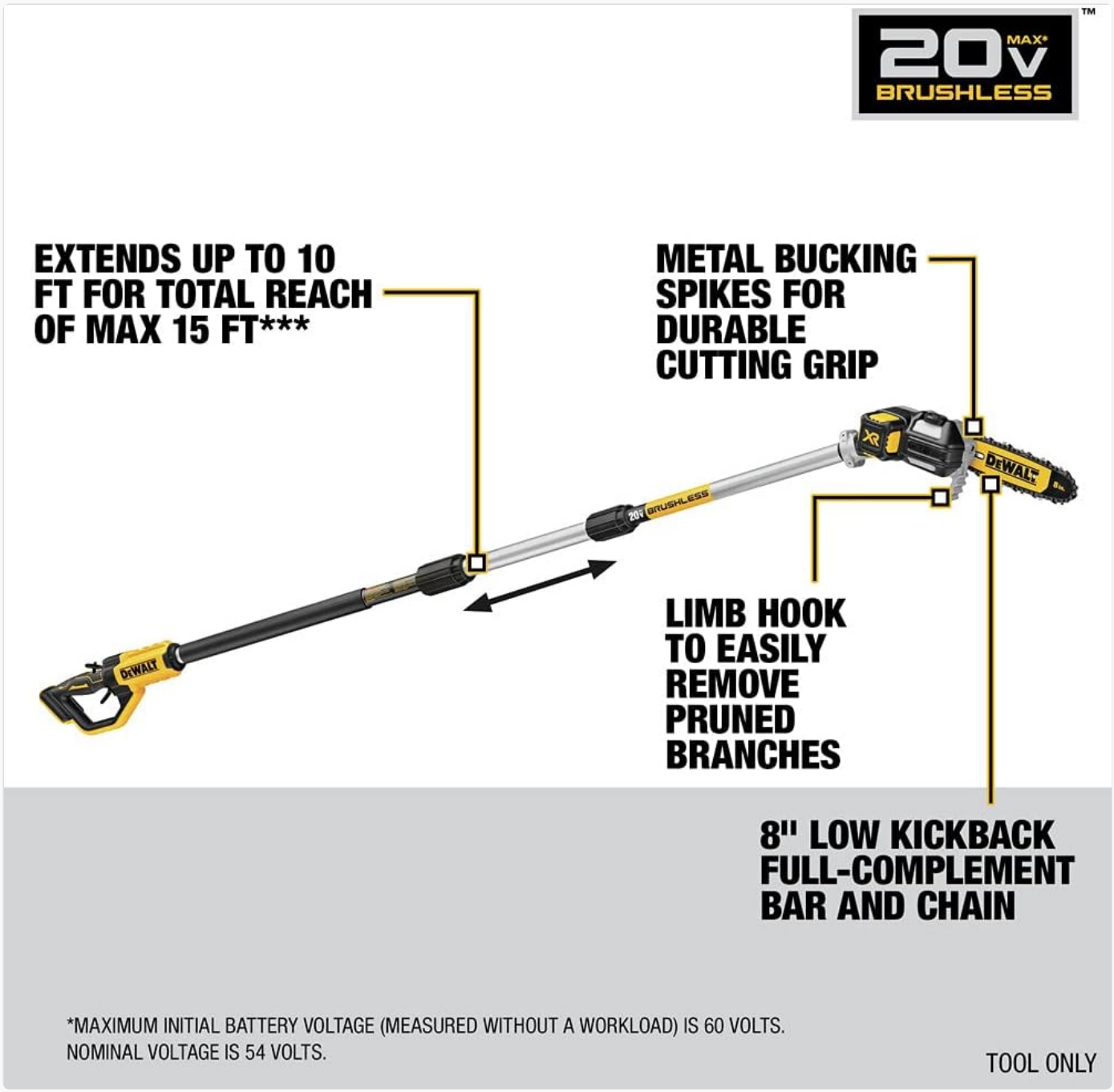


Figure 5: Key features and operational components of the pole saw.

6. Maintenance

Regular maintenance ensures optimal performance and extends the life of your pole saw. Always disconnect the battery before performing any maintenance.

Cleaning:

- After each use, remove any sawdust, debris, and sap from the guide bar, chain, and motor housing.
- Use a stiff brush or compressed air for cleaning.
- Wipe down external surfaces with a damp cloth. Do not use harsh chemicals.

Chain Sharpening:

A sharp chain is crucial for efficient and safe cutting. Sharpen the chain regularly or replace it when dull.

- Refer to the chain manufacturer's instructions for proper sharpening angles and file sizes.
- Ensure all cutters are sharpened evenly.

Chain Tension Adjustment:

Check chain tension frequently, especially during initial use. A properly tensioned chain should be snug but still allow you to pull it freely around the guide bar with gloved hands.

1. Loosen the chain cover nuts slightly.
2. Turn the tensioning screw (usually located on the side of the pole saw head) clockwise to tighten the chain or counter-clockwise to loosen it.
3. Once tension is correct, tighten the chain cover nuts securely.

Storage:

- Store the pole saw in a dry, secure location, out of reach of children.
- Always use the chain sheath to cover the guide bar and chain during storage and transport.
- Remove the battery pack before storing for extended periods.

7. Troubleshooting

This section addresses common issues you might encounter with your DEWALT DCPS620B Pole Saw.

Problem	Possible Cause	Solution
Saw does not start.	Battery not charged or improperly installed. Safety lock-off not engaged.	Ensure battery is charged and fully seated. Press safety lock-off button before squeezing trigger.
Chain does not move or moves slowly.	Chain tension too tight. Chain dull or damaged. Obstruction in guide bar. Low battery.	Adjust chain tension. Sharpen or replace chain. Clear any debris. Recharge battery.
Saw cuts poorly or binds.	Dull chain. Incorrect chain tension. Improper cutting technique.	Sharpen or replace chain. Adjust chain tension. Review cutting techniques in Section 5.
Oil is not dispensing.	Oil reservoir empty. Oil port clogged.	Refill oil reservoir. Clean oil port and guide bar groove.
Excessive vibration.	Loose components. Damaged chain or guide bar.	Check all connections and tighten. Inspect chain and guide bar for damage; replace if necessary.

8. Specifications

Feature	Detail
Model Number	DCPS620B
Power Source	20V MAX* Battery Powered (Battery sold separately)
Motor Type	Brushless

Feature	Detail
Bar Length	8 inches
Chain Type	Low-kickback, full-complement
Maximum Reach	Up to 15 ft. (with extension pole)
Oiling System	Automatic
Product Dimensions (L x W x H)	9.92" x 6.18" x 45.16"
Item Weight	1 pound (tool only, without battery)
Handle Material	Plastic or Aluminum
Warranty Type	Limited Warranty

9. Warranty and Support

DEWALT offers a limited warranty for this product. For detailed warranty information, including terms and conditions, please refer to the warranty card included with your product or visit the official DEWALT website.

For technical support, service, or to locate an authorized service center, please contact DEWALT customer service or visit www.dewalt.com.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

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Submit question