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Makita DUC306PT2B

Makita DUC306PT2B 36V LXT Cordless Pruning Chainsaw Instruction Manual

Model: DUC306PT2B

1. Introduction

This instruction manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita DUC306PT2B 36V LXT Cordless Pruning Chainsaw. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.
The Makita DUC306PT2B is a powerful cordless chainsaw designed for pruning and light cutting tasks, offering the convenience of battery power with a 30cm guide bar.

2. General Safety Instructions

WARNING: Read 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.

2.1 Work Area Safety

- Keep the 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. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2.2 Personal Safety

- Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, gloves, sturdy footwear, and head protection.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- Stay alert, watch what you are doing, and use common sense when operating a power tool.

2.3 Chainsaw Specific Safety

- Never operate a chainsaw with one hand. Serious injury to the operator, helpers, or bystanders may result from one-handed operation.
- Always hold the chainsaw firmly with both hands when the engine is running.
- 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.
- Ensure the chain brake is engaged when carrying the chainsaw or when not actively cutting.
- Do not operate the chainsaw in a tree unless you are specifically trained to do so.

3. Components Overview

Familiarize yourself with the main components of your Makita DUC306PT2B chainsaw before operation.



Image 1: Makita DUC306PT2B Chainsaw. This image displays the complete chainsaw assembly, highlighting the teal body, black handles, red trigger, 30cm guide bar with the Makita logo, and two 18V 5.0Ah LXT batteries inserted at the rear.

- **Guide Bar:** Supports and guides the saw chain.
- **Saw Chain:** The cutting element of the chainsaw.
- **Chain Brake:** Safety mechanism to stop the chain quickly.
- **Front Handle:** For stable two-handed operation.
- **Rear Handle:** Contains the trigger switch and safety lock-off button.
- **Trigger Switch:** Activates the motor.
- **Battery Compartment:** Holds two 18V LXT batteries.
- **Oil Tank Cap:** For filling chain lubricant.
- **Chain Tensioning Knob:** For adjusting chain tension.

4. Setup

4.1 Battery Installation

1. Ensure the batteries are fully charged before use.
2. Align the battery with the battery compartment on the chainsaw.
3. Slide the battery into the compartment until it locks into place with a click.
4. To remove, press the release button on the battery and slide it out.

4.2 Guide Bar and Chain Installation

1. Ensure the chain brake is disengaged.
2. Remove the sprocket cover by loosening the nuts.
3. Place the guide bar onto the mounting bolts.
4. Fit the saw chain around the sprocket and into the guide bar groove. Ensure the cutting edges of the chain are facing the correct direction.
5. Replace the sprocket cover and hand-tighten the nuts.

4.3 Chain Tension Adjustment

1. With the sprocket cover nuts slightly loose, turn the chain tensioning knob to adjust the chain tension.
2. The chain is correctly tensioned when it can be pulled away from the guide bar by approximately 2-3mm at the center, and it moves freely around the guide bar.
3. Once tensioned, fully tighten the sprocket cover nuts.

4.4 Filling Chain Oil

1. Unscrew the oil tank cap.
2. Fill the oil tank with high-quality chain lubricant. Do not use waste oil or motor oil.
3. Replace the oil tank cap securely.
4. Regularly check the oil level during operation.

5. Operating Instructions

5.1 Pre-Operation Checks

- Ensure batteries are fully charged.
- Check chain tension and adjust if necessary.
- Verify chain oil level.
- Inspect the chain for sharpness and damage.
- Confirm all nuts and bolts are tight.
- Ensure the chain brake functions correctly.

5.2 Starting and Stopping

1. To start: Disengage the chain brake. Press the safety lock-off button and then squeeze the trigger switch.
2. To stop: Release the trigger switch. Engage the chain brake immediately after cutting or when moving between cuts.

5.3 Cutting Techniques

- Always maintain a firm grip with both hands.

- Stand in a balanced position.
- Avoid cutting with the tip of the guide bar to prevent kickback.
- When cutting branches, support the branch to prevent it from pinching the chain.
- Be aware of falling branches and debris.

6. Maintenance

6.1 Chain Sharpening

A sharp chain is crucial for safe and efficient cutting. Sharpen the chain regularly or replace it when dull or damaged. Refer to a specialized guide or professional service for proper sharpening techniques.

6.2 Guide Bar Maintenance

- Clean the guide bar groove regularly to remove sawdust and debris.
- Flip the guide bar periodically to ensure even wear.
- Check for burrs on the guide bar rails and file them smooth if present.

6.3 Cleaning and Storage

- After each use, clean the chainsaw thoroughly, removing sawdust and debris from the motor housing, chain, and guide bar.
- Remove batteries before cleaning or storing.
- Store the chainsaw in a dry, secure place, out of reach of children.
- Always use the guide bar cover when storing or transporting the chainsaw.

7. Troubleshooting

Problem	Possible Cause	Solution
Chainsaw does not start.	Batteries not inserted correctly or discharged. Chain brake engaged.	Ensure batteries are fully charged and properly inserted. Disengage chain brake.
Chain does not move.	Chain brake engaged. Chain too tight. Obstruction.	Disengage chain brake. Adjust chain tension. Remove any obstructions (with batteries removed).
Poor cutting performance.	Dull chain. Incorrect chain tension. Insufficient chain oil.	Sharpen or replace chain. Adjust chain tension. Fill chain oil tank.
Excessive vibration.	Damaged chain or guide bar. Loose components.	Inspect chain and guide bar for damage and replace if necessary. Tighten all fasteners.

8. Specifications

- **Model:** DUC306PT2B
- **Brand:** Makita
- **Power Source:** Cordless, Battery (2 x 18V LXT Li-Ion, 36V equivalent)
- **Guide Bar Length:** 30 cm (12 inches)

- **Weight:** Approximately 6.2 kg (with batteries)
- **Manufacturer:** MAKITA
- **UPC:** 088381884501
- **First Available:** January 1, 2021

9. Warranty and Support

Makita power tools are manufactured under strict quality control standards. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Makita website for your region.
For technical assistance, spare parts, or service, please contact your authorized Makita service center or dealer. Always provide the model number (DUC306PT2B) when seeking support.
You can find more information and support resources on the official Makita website: www.makita.com

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