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> [Parkside® PBKS 53 B3 Gasoline Chainsaw User Manual](#)

Parkside PBKS 53 B3

Parkside® PBKS 53 B3 Gasoline Chainsaw User Manual

Model: PBKS 53 B3 | Brand: Parkside

1. INTRODUCTION

Thank you for choosing the Parkside® PBKS 53 B3 Gasoline Chainsaw. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your chainsaw. Please read this manual thoroughly before first use and keep it for future reference.

Safety First: Always prioritize safety. Wear appropriate personal protective equipment (PPE) including hearing protection, eye protection, and protective gloves when operating the chainsaw.

2. GENERAL SAFETY INSTRUCTIONS

- Always wear appropriate personal protective equipment (PPE) such as safety helmet, hearing protection, eye protection, protective gloves, and safety boots.
- Ensure the work area is clear of obstacles and bystanders.
- Do not operate the chainsaw when fatigued or under the influence of drugs or alcohol.
- Inspect the chainsaw before each use for any damage or loose parts.
- Handle fuel with extreme care. Refuel in a well-ventilated area with the engine off and cool.
- Maintain a firm grip with both hands on the chainsaw handles.
- Be aware of kickback and take precautions to avoid it.
- Keep all body parts away from the saw chain when the engine is running.

3. PRODUCT OVERVIEW

The Parkside® PBKS 53 B3 is a powerful 2-stroke gasoline chainsaw designed for efficient cutting tasks. It features a robust engine, anti-vibration equipment, and an automatic chain oil system.



Image: The Parkside PBKS 53 B3 Gasoline Chainsaw, showing its main body, guide bar, and chain. This image provides a general view of the product.

Components:

- Engine (2-stroke, air-cooled)
- Guide Bar
- Saw Chain
- Front Handle
- Rear Handle
- Chain Brake / Hand Guard
- Starter Cord
- Fuel Tank Cap
- Oil Tank Cap
- Choke Lever
- On/Off Switch
- Throttle Trigger
- Throttle Trigger Lockout
- Chain Catcher
- Spike Bumper (Claw Stop)

4. SETUP AND ASSEMBLY

4.1 Unpacking

Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present and undamaged. Keep packaging materials for proper disposal or storage.

4.2 Assembling the Guide Bar and Chain

1. Ensure the engine is off and the chain brake is disengaged.
2. Remove the chain cover by loosening the two nuts.
3. Place the saw chain around the clutch drum, ensuring the cutting edges are facing the correct direction (refer to chain direction arrow on the guide bar).
4. Fit the guide bar onto the studs, aligning the chain with the groove in the guide bar.
5. Replace the chain cover and hand-tighten the nuts.
6. Adjust chain tension using the tensioning screw. The chain should be snug but still able to be pulled freely by hand.

7. Tighten the nuts securely.

4.3 Fuel and Chain Oil Preparation

The PBKS 53 B3 uses a 2-stroke gasoline engine. It requires a specific fuel mixture and chain lubricant.

- **Fuel Mixture:** Mix unleaded gasoline with high-quality 2-stroke engine oil at the ratio specified in the technical specifications (typically 1:25 or 1:50, refer to the engine oil manufacturer's instructions). Use the provided fuel mixing bottle for accurate measurement.
- **Chain Oil:** Use only biodegradable chain lubricant specifically designed for chainsaws. Do not use waste oil or motor oil.

Warning: Always refuel in a well-ventilated area, away from open flames or sparks. Do not smoke while refueling. Wipe up any spilled fuel immediately.

5. OPERATING INSTRUCTIONS

5.1 Starting the Engine (Cold Start)

1. Place the chainsaw on a firm, flat surface.
2. Engage the chain brake by pushing the hand guard forward.
3. Set the On/Off switch to the "ON" position.
4. Pull out the choke lever fully.
5. Press the primer bulb several times until fuel is visible.
6. Hold the chainsaw firmly with one hand on the front handle and place your foot on the rear handle.
7. Pull the starter cord slowly until resistance is felt, then pull sharply until the engine briefly fires (usually 1-3 pulls).
8. Push the choke lever halfway in (half-choke position).
9. Pull the starter cord again until the engine starts.
10. Once the engine starts, immediately push the choke lever fully in.
11. Let the engine warm up for a few moments, then disengage the chain brake.

5.2 Starting the Engine (Warm Start)

If the engine is warm, the choke may not be needed or only briefly. Follow steps 5.1.1 to 5.1.3, then pull the starter cord until the engine starts.

5.3 Cutting Techniques

- Always maintain a balanced stance and firm grip.
- Plan your cut before starting. Identify potential kickback zones.
- Use the spike bumper (claw stop) for leverage when cutting.
- Avoid cutting with the tip of the guide bar to prevent kickback.
- Be aware of falling branches or logs.

5.4 Stopping the Engine

To stop the engine, simply move the On/Off switch to the "OFF" position.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your chainsaw. Always ensure the engine is off and cool before performing any maintenance.

6.1 Daily Maintenance

- Check chain tension.
- Check chain sharpness. Sharpen or replace as needed.
- Check chain oil level.
- Clean the air filter.
- Clean the guide bar groove and oil holes.
- Inspect the chain brake for proper function.

6.2 Periodic Maintenance

- Clean the spark plug and check electrode gap (replace if necessary).
- Clean the cooling fins.
- Check the fuel filter.
- Inspect the starter cord for wear.
- Lubricate the clutch drum bearing.

6.3 Chain Sharpening

A sharp chain is essential for safe and efficient cutting. Use a round file of the correct diameter for your chain type (0.325" pitch). Follow the sharpening angles specified by the chain manufacturer. If unsure, have the chain sharpened by a professional.

7. TROUBLESHOOTING

This section provides solutions to common problems you might encounter.

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect choke position, fouled spark plug, flooded engine	Check fuel level, adjust choke, clean/replace spark plug, follow de-flooding procedure (refer to full manual)
Engine runs, but chain does not move	Chain brake engaged, clutch issue	Disengage chain brake, consult service center for clutch issues
Chainsaw cuts poorly or vibrates excessively	Dull chain, incorrect chain tension, damaged guide bar	Sharpen chain, adjust chain tension, inspect/replace guide bar
No chain oil flow	Empty oil tank, clogged oil port, damaged oil pump	Refill oil tank, clean oil port, consult service center for oil pump issues

For problems not listed here or if solutions do not resolve the issue, please contact an authorized service center.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	PBKS 53 B3
Engine Type	2-stroke, air-cooled, single cylinder
Displacement	53 cm ³
Engine Power	Max. 2 kW (2.72 HP)
Engine Speed (with guide and chain)	Max. 11500 rpm
Cutting Length	Approx. 44 cm
Chain Speed	Max. 22.1 m/s
Chain Pitch	0.325"
Weight	Approx. 6.65 kg
Dimensions (Chainsaw)	Approx. 86 x 25 x 29 cm
Material	Plastic, Aluminum
Included Accessories	Hearing protection, Safety glasses, Protective case, Combination tool, Fuel mixing bottle

9. WARRANTY AND SUPPORT

Information regarding spare parts availability is currently unavailable. For warranty claims or technical support, please refer to your purchase documentation or contact the retailer where the product was purchased. Keep your proof of purchase for any warranty-related inquiries.

Manufacturer: PARKSIDE®

10. DISPOSAL

Do not dispose of the chainsaw or its accessories with household waste. Follow local regulations for the proper disposal of gasoline-powered tools, oil, and fuel mixtures. Recycle packaging materials where possible.

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This manual is for informational purposes only. Specifications are subject to change without notice.