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› [Parkside](#) /

› [Parkside PERFORMANCE® PKSA 40 Li Cordless Chainsaw User Manual](#)

Parkside PKSA 40 Li

Parkside PERFORMANCE® PKSA 40 Li Cordless Chainsaw User Manual

Model: PKSA 40 Li

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your Parkside PERFORMANCE® PKSA 40 Li Cordless Chainsaw. Please read these instructions carefully before using the product and keep them for future reference.

2. PRODUCT OVERVIEW

The Parkside PERFORMANCE® PKSA 40 Li is a powerful 40V cordless chainsaw designed for efficient wood cutting. It features a brushless motor for extended lifespan and optimal performance. The chainsaw offers two adjustable chain speeds and includes an automatic chain oiling system.



Figure 1: Parkside PERFORMANCE® PKSA 40 Li Cordless Chainsaw. This image shows the complete chainsaw assembly, highlighting its robust design and the 16-inch guide bar.

Key Features:

- Powerful brushless motor for high efficiency and extended durability.
- Two adjustable chain speeds for versatile cutting tasks.
- 45.5 cm guide bar with a 38 cm cutting length.
- Robust 16-inch chain with 56 drive links.

- Tool-free rapid chain tensioning system.
- Automatic chain oiling system with an oil level window and leak-proof tank cap.
- Ergonomic handle with Softgrip for comfortable handling.
- Felling handle for comfortable angled sawing.
- Two-hand circuit breaker with immediate chain stop (less than 0.12 seconds).
- Smooth chain start via "Soft Start" function.
- Durable metal claw stop.
- Integrated display for battery speed level, battery status, and Smart App LED.

Included Accessories:

- 1 x Guide bar protection cover.
- 1 x 180 ml bio chain oil.



Figure 2: Included accessories: guide bar protection cover and a bottle of 180 ml bio chain oil. These items are essential for safe storage and initial operation.

3. SAFETY INSTRUCTIONS

Always observe general safety guidelines when operating power tools. Wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, gloves, and sturdy footwear. Ensure the work area is clear of bystanders and obstacles. Never operate the chainsaw under the influence of alcohol or medication.

- **Read the entire manual:** Understand all instructions and warnings before use.
- **Battery Safety:** Use only compatible Parkside X 20 V Team batteries. Do not attempt to modify the battery or charger.
- **Kickback Prevention:** Be aware of kickback hazards. Always maintain a firm grip with both hands.
- **Maintenance:** Regularly check the chain for sharpness and tension. Ensure the automatic oiling system is functioning correctly.
- **Storage:** Store the chainsaw with the guide bar cover in a dry, secure location out of reach of children.

4. SETUP AND ASSEMBLY

4.1. Battery Installation

The Parkside PERFORMANCE® PKSA 40 Li chainsaw is supplied without a battery and charger. It is compatible

with all batteries from the Parkside X 20 V Team series. Ensure the battery is fully charged before installation.

1. Align the battery with the battery slot on the chainsaw.
2. Slide the battery into the slot until it clicks securely into place.
3. To remove, press the release button on the battery and slide it out.



Figure 3: Chainsaw body indicating the battery compartment. Note that the battery is not included with the product.



Figure 4: Visual representation that the battery and charger are sold separately and are not included with the chainsaw unit.

4.2. Filling the Chain Oil Tank

The chainsaw features an automatic chain oiling system. Ensure the oil tank is filled before each use to prevent damage to the chain and guide bar.

1. Place the chainsaw on a flat, stable surface.
2. Unscrew the leak-proof oil tank cap (typically red).
3. Carefully pour the provided bio chain oil (or suitable alternative) into the tank, observing the oil level window.
4. Do not overfill. Replace the cap securely.



Figure 5: Close-up view of the oil tank cap (red) and the product label, indicating where to fill the chain oil.

4.3. Chain Tensioning

The chainsaw features a tool-free rapid chain tensioning system. Proper chain tension is crucial for safe and effective operation.

1. Ensure the chainsaw is switched off and the battery is removed.
2. Loosen the guide bar locking knob (if present, usually a large knob on the side).
3. Adjust the chain tensioning screw until the chain fits snugly against the guide bar but can still be pulled freely by hand.
4. Tighten the guide bar locking knob securely.
5. Check tension again after a few cuts, as new chains may stretch.

5. OPERATING INSTRUCTIONS

5.1. Starting and Stopping the Chainsaw

The chainsaw is equipped with a two-hand circuit breaker and a "Soft Start" function for smooth operation.

1. Ensure the battery is installed and the chain oil tank is filled.
2. Hold the chainsaw firmly with both hands, one on the main handle and one on the felling handle.

3. Engage the two-hand circuit breaker (usually involves pressing a safety switch and then the trigger).
4. The "Soft Start" function will ensure a gradual and smooth acceleration of the chain.
5. To stop the chainsaw, release the trigger. The immediate chain stop function will halt the chain in less than 0.12 seconds.



Figure 6: Side view of the chainsaw, highlighting the "AUTO STOP" mechanism and the chain brake lever, crucial for safety during operation.

5.2. Adjusting Chain Speed

The chainsaw offers two adjustable chain speeds to suit different cutting requirements.

- Refer to the integrated display or control panel for speed selection.
- Select Speed Level 1 for lighter tasks or when more control is needed.
- Select Speed Level 2 for faster cutting and heavier duty applications.



Figure 7: Top view of the chainsaw's control panel, showing indicators for battery level and speed settings. The batteries shown are for illustration and are not included.

5.3. Cutting Techniques

Always use proper cutting techniques to ensure safety and efficiency. The felling handle is designed for comfortable angled sawing.

- Maintain a balanced stance and firm grip.
- Avoid cutting with the tip of the guide bar to prevent kickback.
- When felling, plan your escape route and ensure no one is in the fall zone.
- For angled cuts, utilize the felling handle for better control and comfort.
- Always ensure the metal claw stop is engaged against the wood for stability during cutting.

6. MAINTENANCE

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

6.1. Chain and Guide Bar Maintenance

- **Chain Sharpening:** A sharp chain is essential for safe and efficient cutting. Sharpen the chain regularly or replace it when dull.
- **Chain Tension:** Check chain tension before each use and adjust as necessary (refer to Section 4.3).
- **Guide Bar Cleaning:** Clean the guide bar groove and oil holes regularly to ensure proper lubrication.
- **Guide Bar Reversal:** To promote even wear, periodically reverse the guide bar.

6.2. Oiling System Check

Regularly check the chain oil level using the oil level window. Refill as needed (refer to Section 4.2). Ensure the automatic oiling system is dispensing oil by running the chainsaw briefly over a light-colored surface; a line of oil should be visible.

6.3. General Cleaning and Storage

- Clean the chainsaw housing with a damp cloth. Do not use harsh chemicals.
- Remove sawdust and debris from the motor housing and cooling vents.
- Always attach the guide bar protection cover before storing or transporting the chainsaw.
- Store the chainsaw in a dry, secure place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Before attempting any repairs, always ensure the chainsaw is switched off and the battery is removed.

Problem	Possible Cause	Solution
Chainsaw does not start.	Battery not installed correctly or discharged. Safety switch not engaged.	Ensure battery is fully charged and properly inserted. Engage the two-hand safety switch before pressing the trigger.
Chain does not move or moves slowly.	Chain tension too tight. Chain brake engaged. Battery low.	Check and adjust chain tension (refer to Section 4.3). Disengage the chain brake. Recharge or replace the battery.
Excessive smoke or burning smell during operation.	Chain dull or improperly oiled.	Sharpen or replace the chain. Check chain oil level and ensure the automatic oiling system is working.
Oil leakage.	Oil tank cap not secured. Damage to oil tank or lines.	Ensure oil tank cap is tightly closed. Inspect for visible damage; if found, contact customer support.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	PKSA 40 Li
Brand	Parkside
Motor Type	Brushless
Power Source	Battery-powered (40V, compatible with Parkside X 20 V Team series)
Power (Watt)	1000 W
Output Power	800 W
Guide Bar Length	Approx. 45.5 cm (18 inches)
Cutting Length	Approx. 38 cm (15 inches)

Feature	Specification
Chain Speed (Smart Battery 20V, 4Ah)	Level 1: 15 m/s, Level 2: 25 m/s
Chain Speed (Standard Battery 20V, 4Ah)	Level 1: 15 m/s, Level 2: 20 m/s
Chain Brake Reaction Time	Max. < 0.12 seconds
Oil Tank Volume	180 ml
Rotational Speed	5800 rpm / 14000 rpm
Product Dimensions (L x W x H)	Approx. 1 x 1 x 1 cm
Weight	6 kg
Battery/Charger Included	No

9. WARRANTY AND SUPPORT

For warranty information, technical support, or spare parts, please refer to the documentation provided with your purchase or contact Parkside customer service. Keep your proof of purchase for warranty claims.