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## Parkside PKSA 20-Li

# Parkside PKSA 20-Li Cordless Chainsaw Instruction Manual

Model: PKSA 20-Li

## 1. 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.

- Always wear appropriate personal protective equipment (PPE) including safety glasses, hearing protection, gloves, and sturdy footwear when operating the chainsaw.
- Keep hands and feet away from the cutting chain. Never operate the chainsaw with one hand.
- Ensure the work area is clear of bystanders, children, and pets.
- Maintain a firm grip with both hands on the chainsaw handles.
- 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.
- Do not operate the chainsaw in wet conditions or in the presence of flammable liquids or gases.
- Before each use, inspect the chainsaw for damaged parts, loose fasteners, and proper chain tension.

## 2. PRODUCT OVERVIEW

The Parkside PKSA 20-Li is a cordless chainsaw designed for comfortable and efficient sawing tasks. It features a high-quality 10-inch Oregon bar and a durable, cut-resistant Oregon chain. The tool-free chain tensioning system simplifies adjustments, and the automatic chain oiling system ensures consistent lubrication during operation. Safety features include a quick-release kickback brake, a robust claw stop, and a non-slip handle with a safety switch. This device is compatible with all batteries from the Parkside X 20 V Team series.



Figure 1: Parkside PKSA 20-Li Cordless Chainsaw. This image shows the overall design of the chainsaw, highlighting its compact and ergonomic structure, including the handle, motor housing, and bar with chain.

## 3. SETUP

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### 3.1 Battery Installation

1. Ensure the chainsaw is switched off and the safety switch is engaged.
2. Align the 2 Ah battery pack with the battery slot on the chainsaw.
3. Slide the battery into the slot until it clicks securely into place.
4. To remove, press the release button on the battery and slide it out.

### 3.2 Bar and Chain Installation

1. Place the guide bar onto the chainsaw studs.
2. Carefully fit the chain around the sprocket and into the guide bar groove. Ensure the cutting edges of the chain are facing the correct direction.
3. Install the side cover and tighten the retaining knob.
4. Adjust the chain tension using the tool-free tensioning system. The chain should be snug but still able to be pulled freely by hand.



Figure 2: Side view of the Parkside PKSA 20-Li Chainsaw. This image provides a clearer view of the battery compartment and the chain tensioning mechanism, which is designed for tool-free adjustment.

### 3.3 Chain Oil Filling

1. Locate the oil reservoir cap, typically on the top of the chainsaw.
2. Unscrew the cap and fill the reservoir with the provided 180 ml organic chain oil.
3. Do not overfill. Replace the cap securely.
4. Regularly check the oil level during operation.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Starting the Chainsaw

1. Ensure the battery is fully charged and properly installed.
2. Hold the chainsaw firmly with both hands, ensuring a secure grip on the non-slip handles.
3. Engage the safety switch, then press the trigger to start the motor.
4. Allow the chain to reach full speed before making contact with the material to be cut.

### 4.2 Cutting Techniques

- Always stand in a balanced position.
- Avoid cutting with the tip of the guide bar to prevent kickback.
- Let the chainsaw do the work; do not force it through the wood.
- When cutting branches, always cut from the underside first to prevent pinching, then finish from the top.
- Be aware of falling branches and debris.



Figure 3: Parkside PKSA 20-Li Chainsaw in an outdoor setting. This image illustrates the chainsaw positioned near cut logs, demonstrating its intended use for wood cutting tasks.

### 4.3 Stopping the Chainsaw

Release the trigger switch to stop the motor. Ensure the chain has come to a complete stop before setting the chainsaw down or performing any adjustments.

## 5. MAINTENANCE

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### 5.1 Chain Sharpening and Replacement

- A dull chain will reduce cutting efficiency and increase the risk of kickback. Sharpen the chain regularly or replace it when necessary.
- Refer to the chain manufacturer's instructions for proper sharpening angles and file sizes.

### 5.2 Guide Bar Maintenance

- Clean the guide bar groove regularly to remove sawdust and debris.
- Flip the guide bar periodically to ensure even wear.

### 5.3 Cleaning and Storage

- After each use, clean the chainsaw thoroughly, removing all sawdust and debris from the motor housing, chain, and bar.
- Store the chainsaw in a dry, secure location, out of reach of children.
- Always use the provided bar protection cover when storing or transporting the chainsaw.

## 6. TROUBLESHOOTING

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#### • Chainsaw does not start:

- Check if the battery is fully charged and properly inserted.
- Ensure the safety switch is disengaged and the trigger is fully pressed.
- Inspect battery terminals for corrosion.

#### • Chain does not move or moves slowly:

- Check chain tension; it might be too tight.
- Ensure the chain brake is not engaged.

- Clean the guide bar groove for obstructions.

- **Chainsaw cuts poorly:**

- The chain may be dull and requires sharpening or replacement.
- Check chain direction; it might be installed backward.

- **Excessive vibration:**

- Check for loose components or damaged chain/bar.
- Ensure the chain is properly tensioned.

## 7. SPECIFICATIONS

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<b>Model</b>	PKSA 20-Li
<b>Brand</b>	Parkside
<b>Manufacturer</b>	HKM Akku Technik
<b>Power Source</b>	Battery-powered (Parkside X 20 V Team)
<b>Bar and Chain System</b>	Oregon (10-inch bar)
<b>Maximum Cutting Length</b>	Approx. 23 cm
<b>Chain Speed</b>	6.5 m/s
<b>Item Weight</b>	4 kg
<b>Included Accessories</b>	1 x 2 Ah battery, 1 x charger, 1 x bar protection cover, 180 ml organic chain oil
<b>Date First Available</b>	July 8, 2022

## 8. WARRANTY AND SUPPORT

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For warranty information, technical support, or spare parts inquiries, please refer to the documentation provided with your purchase or contact your retailer. Information regarding spare parts availability for this specific model is currently unavailable.