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Parkside PHKSA 20-Li

Parkside PHKSA 20-Li Cordless Circular Saw User Manual

1. PRODUCT OVERVIEW

The Parkside PHKSA 20-Li is a cordless circular saw designed for precise cutting of various materials, primarily wood. It features a compact design, ergonomic Softgrip handles, and a robust construction for comfortable and efficient operation. This tool is part of the PARKSIDE X 20 V Team series, meaning it is compatible with all batteries from this range (battery and charger sold separately).



A front-side view of the Parkside PHKSA 20-Li cordless circular saw, highlighting its compact design and the installed saw blade.

Key Features:

- Compact design for easy handling and high working comfort.
- Ergonomic handles with non-slip Softgrip coating.
- Safety switch operable from both sides.
- Continuously adjustable cutting depth and cutting angle.
- Parallel guide for precise straight cuts.
- On/off switch with Quickstop system for rapid blade stop.
- Pendulum protective cover with retraction lever.
- Connection port for external dust extraction.
- Easy blade change thanks to spindle lock (SPINDLE LOCK).
- Compatible with standard 150 mm diameter saw blades.

2. SAFETY INSTRUCTIONS

Always observe general power tool safety warnings and specific circular saw safety guidelines to prevent electric shock, fire, and serious injury. Keep this instruction manual for future reference.

General Power Tool Safety:

- **Work Area Safety:** Keep 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.

- **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. Use hearing protection when operating noisy tools. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source and/or remove the battery pack before making any adjustments, changing accessories, or storing power tools.

Circular Saw Specific Safety:

- **Hold the tool firmly:** Always hold the circular saw with both hands to maintain control during operation.
- **Keep hands away from cutting area:** Never place your hands near the rotating blade.
- **Ensure blade is sharp and clean:** A dull or dirty blade can cause kickback or binding.
- **Check for proper blade guard function:** Ensure the lower guard closes immediately after the blade exits the material. Never jam or tie the lower guard open.
- **Support workpiece:** Always support the workpiece properly to prevent blade pinching and kickback.
- **Dust extraction:** Connect a dust extraction system when possible to reduce dust exposure and maintain visibility.

3. COMPONENTS AND CONTROLS

Familiarize yourself with the various parts of your Parkside PHKSA 20-Li circular saw before operation.



An angled view of the Parkside PHKSA 20-Li circular saw, showcasing the robust base plate, blade guard, and ergonomic handle.

Main Components:

1. **Ergonomic Softgrip Handle:** Provides comfortable and secure grip.
2. **Safety Switch:** Prevents accidental startup.
3. **On/Off Switch with Quickstop:** Activates the saw and stops the blade quickly.
4. **Cutting Depth Adjustment Lever:** For setting the desired cutting depth.
5. **Cutting Angle Adjustment:** Allows for bevel cuts from 0-45 degrees.
6. **Parallel Guide:** Attaches to the base plate for straight cuts parallel to an edge.
7. **Pendulum Protective Cover:** Automatically retracts during cutting to expose the blade.
8. **Spindle Lock Button:** Engages to lock the spindle for easy blade changes.
9. **Dust Extraction Port:** For connecting an external dust extraction system.
10. **Base Plate:** Provides stability and guides the saw along the workpiece.

4. SETUP

Proper setup ensures safe and efficient operation of your circular saw.

4.1 Battery Installation (Battery and Charger Not Included)

This tool is compatible with all batteries from the PARKSIDE X 20 V Team series. Ensure the battery is fully charged before use.

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



An image illustrating the compatibility of the circular saw with the Parkside X 20V Team battery series, showing various tools that share the same battery platform.



An image clearly indicating that the battery and charger are not included with the Parkside PHKSA 20-Li circular saw, showing a battery and charger with a diagonal line through them.

4.2 Blade Installation/Change

Always ensure the battery is removed before changing the saw blade.

1. Press and hold the spindle lock button to prevent the blade from rotating.
2. Use the included Allen key to loosen the blade retaining screw.
3. Carefully remove the old blade, noting its rotation direction.
4. Place the new blade onto the spindle, ensuring the teeth point in the direction of rotation indicated by the arrow on the saw.
5. Tighten the blade retaining screw firmly with the Allen key while holding the spindle lock button.

4.3 Attaching the Parallel Guide

The parallel guide assists in making straight cuts parallel to the edge of a workpiece.

1. Slide the parallel guide into the slots on the front of the saw's base plate.
2. Adjust the guide to the desired cutting width.

3. Tighten the locking screw to secure the parallel guide in position.



A close-up view of the accessories included with the Parkside PHKSA 20-Li circular saw: an Allen key, a parallel guide, and a dust extraction adapter.

4.4 Connecting Dust Extraction

For a cleaner work environment and improved visibility, connect an external dust extraction system.

1. Attach the dust extraction adapter to the dust extraction port on the saw.
2. Connect a suitable vacuum hose to the adapter.



The Parkside PHKSA 20-Li circular saw shown with an external dust extraction hose connected to its port, ready for operation.

5. OPERATION

Follow these steps for safe and effective operation of your circular saw.

5.1 Adjusting Cutting Depth

Set the cutting depth to be slightly deeper than the material thickness to ensure a clean cut.

1. Loosen the cutting depth adjustment lever.
2. Raise or lower the saw body relative to the base plate until the desired depth is indicated on the scale.
3. Tighten the cutting depth adjustment lever securely.

5.2 Adjusting Cutting Angle (Bevel Cuts)

The saw allows for bevel cuts up to 45 degrees.

1. Loosen the cutting angle adjustment knob.
2. Tilt the saw base plate to the desired angle, indicated on the angle scale (0-45°).
3. Tighten the cutting angle adjustment knob firmly.



An illustration demonstrating the adjustable cutting angle feature of the Parkside PHKSA 20-Li circular saw, with an arrow indicating the pivot motion.

5.3 Starting and Stopping the Saw

1. To start the saw, first press the safety switch (operable from both sides), then press the on/off switch.
2. To stop the saw, release the on/off switch. The Quickstop system will rapidly halt the blade.

5.4 Cutting Techniques

Always ensure the workpiece is securely clamped before cutting.

- **Straight Cuts:** Use the parallel guide for cuts parallel to an edge. For longer or wider cuts, use a straight edge guide clamped to the workpiece.
- **Bevel Cuts:** After setting the desired angle, proceed with the cut, ensuring the saw is stable.
- **Plunge Cuts:** Not recommended for this type of circular saw. Always start cuts from the edge of the material.



The Parkside PHKSA 20-Li circular saw actively cutting a wooden board, demonstrating its operational use.

6. MAINTENANCE

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

6.1 Cleaning

- Keep the ventilation openings clean to prevent overheating.
- Regularly clean the saw blade and blade guard to ensure smooth operation and prevent material buildup.
- Use a soft brush or compressed air to remove dust and debris from the tool. Do not use solvents or abrasive cleaners.

6.2 Blade Care

- Ensure the saw blade is always sharp and free from damage. Replace dull or damaged blades immediately.
- Clean resin and pitch buildup from the blade using a suitable blade cleaner.

6.3 General Inspection

- Check all screws and fasteners regularly and tighten them if necessary.
- Inspect the power tool for any signs of wear or damage, especially to the housing and controls.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your circular saw.

Problem	Possible Cause	Solution
Saw does not start	Battery not inserted correctly or discharged; Safety switch not pressed.	Ensure battery is fully charged and correctly inserted. Press the safety switch before the on/off switch.
Poor cut quality / Blade binding	Dull or dirty blade; Incorrect cutting depth; Workpiece not properly supported.	Replace or clean the blade. Adjust cutting depth. Securely clamp the workpiece.
Excessive vibration	Loose blade; Damaged blade; Worn components.	Check blade for tightness and damage. Replace blade if damaged. If problem persists, seek professional service.
Dust extraction ineffective	Dust port clogged; Hose not properly connected; Vacuum system insufficient.	Clear any blockages. Ensure secure hose connection. Use a suitable vacuum system.

8. TECHNICAL SPECIFICATIONS

Detailed technical data for the Parkside PHKSA 20-Li Cordless Circular Saw.

Specification	Value
Model Number	4055334736442
Voltage	20 Volts
No-load Speed	3800 rpm
Saw Blade Diameter	150 mm
Max. Cutting Depth (0°)	48 mm
Max. Cutting Depth (45°)	36 mm
Cutting Angle Adjustment	0-45°
Product Dimensions (L x W x H)	Approx. 29.4 x 26.3 x 18.1 cm
Weight (without battery)	Approx. 2150 g
Material	Plastic, Aluminum, Fiberglass
Power Source	Battery Powered
Certification	CE

9. INCLUDED ACCESSORIES

The following accessories are included with your Parkside PHKSA 20-Li circular saw:

- 1 x Saw blade Ø 150 x Ø 16 mm with 24 teeth (pre-mounted)
- 1 x Allen key (stored on the device)
- 1 x Parallel guide
- 1 x Adapter for external dust extraction
- 1 x Carrying case



The durable black carrying case provided for the Parkside PHKSA 20-Li circular saw, featuring a red handle and secure latches.

10. WARRANTY AND SUPPORT

Information regarding warranty terms and customer support for the Parkside PHKSA 20-Li circular saw is not available in the provided product data. Please refer to the product packaging or the manufacturer's official website for detailed warranty information and contact options for support.

