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› Parkside Performance PPHKSA 40-Li A1 Cordless Circular Saw 40V (Battery and Charger Not Included) - Instruction Manual

PSIDE PPHKSA 40-Li A1

Parkside Performance PPHKSA 40-Li A1 Cordless Circular Saw Instruction Manual

Model: PPHKSA 40-Li A1

1. SAFETY INSTRUCTIONS

Always read and understand 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.

General Power Tool Safety

- **Work Area Safety:** Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. It will do the job better and safer at the rate for which it was designed.

Circular Saw Specific Safety

- **Hold the tool by insulated gripping surfaces** when performing an operation where the cutting accessory may contact hidden wiring or its own cord.
- **Keep hands away from the cutting area and the blade.** Keep your second hand on the auxiliary handle, or motor housing. If both hands are holding the saw, they cannot be cut by the blade.
- **Do not reach underneath the workpiece.** The guard cannot protect you from the blade below the workpiece.
- **Adjust the cutting depth to the thickness of the workpiece.** Less than a full tooth of the blade should be visible below the workpiece.
- **Never hold the workpiece in your hands or across your leg** while cutting. Secure the workpiece to a stable platform.
- **Check the lower guard for proper closing** before each use. Do not operate the saw if the lower guard does not move freely and close instantly.

2. PRODUCT OVERVIEW

The Parkside Performance PPHKSA 40-Li A1 is a powerful cordless circular saw designed for effortless and precise cutting of wood, and with appropriate blades (not included), also suitable for plastic and metal. It features a brushless motor for extended service life and is part of the Parkside X 20 V Team series.



Figure 2.1: Overall view of the Parkside Performance PPHKSA 40-Li A1 Cordless Circular Saw, showcasing its ergonomic design and key components.



Figure 2.2: The circular saw in operation, demonstrating its cutting capability on a wooden workpiece with sawdust visible.



Figure 2.3: Top-rear view of the saw, highlighting the dual battery slots for 40V operation and the dust extraction port.



Figure 2.4: Top-front view of the saw, showing the installed saw blade and the clear measurement markings for precise adjustments.

3. SETUP

3.1 Battery Installation

This circular saw requires two 20V batteries for 40V operation. Ensure the batteries are fully charged before use.
Recommended battery: 20 V, 4 Ah.

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

3.2 Saw Blade Installation/Replacement

Always disconnect batteries before changing the saw blade. Use standard saw blades with a diameter of 190 mm.

1. Press and hold the SPINDLE LOCK button to lock the spindle.
2. Use the included Allen key to loosen the blade retaining screw.
3. Carefully remove the old saw blade.
4. Place the new saw blade onto the spindle, ensuring the rotation direction arrows on the blade match the direction arrow on the saw.
5. Tighten the blade retaining screw firmly with the Allen key while holding the SPINDLE LOCK button.
6. Release the SPINDLE LOCK button.

3.3 Adjusting Cutting Depth and Angle

- **Cutting Depth:** Loosen the depth adjustment lever. Move the base plate up or down to achieve the desired cutting depth (max. 62.5 mm at 0°). Tighten the lever securely.
- **Cutting Angle (Bevel):** Loosen the bevel adjustment lever. Tilt the base plate to the desired angle (0-48°). Tighten the lever securely.

3.4 Parallel Guide and Dust Extraction

- **Parallel Guide:** Insert the parallel guide into the designated slot on the base plate and secure it for precise straight cuts.
- **Dust Extraction:** Attach the included adapter to the dust extraction port. Connect a suitable vacuum cleaner hose for external dust extraction to maintain a clean work area.

4. OPERATION

4.1 Powering On/Off

- **To Start:** Press the safety switch (usable on both sides) and then press the ON/OFF trigger switch. The electronically controlled soft start ensures a smooth ramp-up.
- **To Stop:** Release the ON/OFF trigger switch. The quick stop feature will rapidly halt the blade rotation.

4.2 Cutting Techniques

- Ensure the workpiece is securely clamped.
- Align the saw blade with the cutting line.
- Start the saw before the blade contacts the workpiece.
- Guide the saw smoothly and steadily through the material. Do not force the tool.
- For optimal results, use appropriate saw blades for different materials (wood, plastic, metal).

4.3 Integrated Features

- **LED Work Light:** The integrated LED work light illuminates the cutting area for improved visibility.
- **Smart App Connectivity:** When using Parkside X 20 V PAPS smart batteries, connect to the Parkside app for optimal performance through individual device configuration and data monitoring.
- **ECO Mode:** Utilize the ECO mode for energy-efficient operation when full power is not required.

5. MAINTENANCE

5.1 Cleaning

- Regularly clean the tool's ventilation openings to prevent overheating.
- Remove sawdust and debris from the base plate, blade guard, and motor housing using a brush or compressed air.
- Do not use harsh chemicals or abrasive cleaners.

5.2 Blade Care

- Ensure the saw blade is sharp and free from damage. A dull or damaged blade can cause kickback and poor cutting performance.
- Replace worn or damaged blades promptly following the instructions in Section 3.2.

5.3 Storage

Store the tool in a dry, secure place, out of reach of children. It is recommended to store the saw in its practical storage case.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Saw does not start or stops unexpectedly.	Batteries are not charged or not properly inserted. Safety switch not engaged. Overload protection activated.	Ensure batteries are fully charged and correctly inserted. Press the safety switch before the trigger. Allow the tool to cool down if overloaded.
Blade jams during cutting.	Dull or damaged blade. Improper cutting technique. Workpiece not secured.	Replace the blade if dull or damaged. Do not force the saw; guide it smoothly. Secure the workpiece firmly.

Problem	Possible Cause	Solution
Inaccurate cuts.	Blade not properly installed. Depth/angle adjustments loose. Parallel guide not used or incorrectly set.	Check blade installation. Ensure all adjustment levers are tightened. Use and properly set the parallel guide.
Excessive vibration or noise.	Loose blade or components. Damaged blade.	Check all fasteners and tighten if necessary. Inspect and replace the blade if damaged.

7. SPECIFICATIONS

Technical data for the Parkside Performance PPHKSA 40-Li A1 Cordless Circular Saw.

Feature	Specification
Model Number	PPHKSA 40-Li A1
Voltage	40 V
No-load Speed	6000 rpm
Cutting Angle	0-48°
Max. Cutting Depth (at 0°)	62.5 mm
Max. Cutting Depth (at 45°)	46.8 mm
Max. Cutting Depth (at 48°)	44.1 mm
Recommended Charger	12 A Smart PLGS 2012 A1
Recommended Battery	20 V, 4 Ah (x2 required)
Saw Blade Diameter	190 mm
Approximate Dimensions (L x W x H)	38.5 x 20.3 x 29.8 cm
Approximate Weight	3.9 kg
Material	Plastic, Aluminum
WEEE Registration Number	DE 2810039

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or visit the official Parkside website. Keep your proof of purchase for any warranty claims.

For spare parts availability, please note that information is currently unavailable. Contact customer service for further assistance.

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