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PROXXON 39815

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PROXXON Cordless Long Neck Angle Grinder LHW/A (Model 39815) Instruction Manual

Your guide to safe and efficient operation

1. INTRODUCTION

The PROXXON Cordless Long Neck Angle Grinder LHW/A (Model 39815) is a versatile and powerful tool designed for a wide range of applications, including grinding, cutting, roughing out, fine grinding, and shaping various materials. Its cordless design offers exceptional mobility, making it suitable for both indoor and outdoor projects. This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your LHW/A angle grinder.



Image: The PROXXON Cordless Long Neck Angle Grinder LHW/A, showcasing its ergonomic design and angled head.

2. GENERAL 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.

- **Work Area Safety:** Keep your 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. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Always wear eye protection, hearing protection, and a dust mask when operating the tool. Dress properly; avoid loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **Power Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Do not use the power tool if the switch does not turn it on and off. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with

specifically designated battery packs.

3. PRODUCT OVERVIEW

The PROXXON LHW/A is a high-quality cordless angle grinder designed for precision and versatility. Its robust construction and ergonomic features ensure comfortable and efficient operation.

Key Features:

- **Versatile Grinding and Cutting:** Handles steel, non-ferrous metal, glass, ceramics, wood, and plastic.
- **Cordless Freedom:** Operates on a lithium-ion battery for mobility.
- **Comparable Performance:** Delivers performance comparable to mains-powered tools.
- **Ergonomic Design:** Ensures comfortable and precise handling, reducing operator fatigue.

Components:

1. Long Neck Angle Grinder Body
2. Angled Gear Head (Die-cast aluminum)
3. Speed Control Dial
4. On/Off Switch
5. Battery Compartment
6. Spindle Lock Button (for accessory changes)
7. Protective Guard

4. SETUP

4.1 Battery Installation and Charging

The LHW/A is powered by a 10.8V, 2.6 Ah Lithium-Ion battery. Ensure the battery is fully charged before first use.

- **To Install Battery:** Align the battery pack with the battery compartment at the base of the tool and slide it in until it clicks securely into place.
- **To Remove Battery:** Press the battery release button (if present) and slide the battery pack out.
- **Charging:** Place the battery into the designated PROXXON charger. A full charge typically takes approximately one hour. The charger will indicate when charging is complete.

4.2 Attaching Accessories

The LHW/A supports various accessories for different tasks. Always ensure the tool is switched off and the battery is removed before changing accessories.

1. Press and hold the spindle lock button to prevent the spindle from rotating.
2. Use the appropriate wrench (usually an Allen key) to loosen the retaining screw or nut on the accessory mount.
3. Remove the current accessory.
4. Place the desired accessory (e.g., sanding disc, cutting disc, rasp plate) onto the mount, ensuring it is centered and flush.
5. Securely tighten the retaining screw or nut. Do not overtighten.
6. Release the spindle lock button.

The hook-and-loop backing on the rubber backing disc allows for quick and easy changing of sanding sheets and fleeces.

Your browser does not support the video tag.

Video: Official PROXXON demonstration of the LHW/A Cordless Long Neck Angle Grinder in various applications, highlighting its features and accessory changes.

5. OPERATING INSTRUCTIONS

The PROXXON LHW/A is designed for precision work in various materials. Always ensure proper safety gear is worn before operation.

5.1 Powering On/Off and Speed Control

- **To Turn On:** Press the On/Off switch.
- **To Turn Off:** Release the On/Off switch.
- **Speed Adjustment:** The operating speed can be precisely regulated between 5,000 and 16,000 revolutions per minute (RPM) using the speed control dial. Adjust the speed according to the material and the accessory being used.

5.2 Applications

The LHW/A is suitable for:

- **Grinding and Cutting:** Steel, non-ferrous metals, glass, ceramics, wood, and plastic.
- **Roughing Out:** Removing significant material from surfaces.
- **Fine Grinding:** Achieving smooth finishes.
- **Shaping:** Detailed work on wood and other soft materials using specialized accessories like the rasp plate.

The slim gear head allows access to difficult-to-reach spaces, making it ideal for automotive work, tool and mold making, and various hobby applications.



Image: A user operating the PROXXON LHW/A to grind a metal workpiece, demonstrating its precision and control.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your PROXXON LHW/A.

- **Cleaning:** After each use, clean the tool with a soft, dry cloth. Remove any dust or debris from the ventilation slots to prevent overheating. Do not use solvents or abrasive cleaners.
- **Accessory Inspection:** Regularly inspect accessories for wear or damage. Replace worn or damaged discs and plates immediately to ensure safe and effective operation.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **Storage:** Store the tool and its accessories in the provided polypropylene case to protect them from dust and damage.

7. TROUBLESHOOTING

If you encounter issues with your PROXXON LHW/A, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or improperly installed.	Ensure battery is fully charged and correctly inserted.
Reduced power or intermittent operation	Low battery charge; worn carbon brushes (if applicable); motor overload.	Recharge battery. Avoid excessive pressure during operation. If problem persists, contact service.
Excessive vibration or noise	Damaged or improperly installed accessory; internal component issue.	Check accessory for damage and proper installation. If issue continues, discontinue use and seek professional service.

Problem	Possible Cause	Solution
Tool overheats	Blocked ventilation slots; continuous heavy load.	Clean ventilation slots. Allow tool to cool down during prolonged use.

For issues not covered here, please contact PROXXON customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	PROXXON
Model Number	39815
Power Source	Battery Powered (Lithium Ion)
Voltage	10.8 Volts
Wattage	150 watts
Maximum Rotational Speed	16000 RPM
Battery Cell Type	Lithium Ion
Battery Capacity	2.6 Ah (Ampere-hour)
Material	Plastic (housing), Die-cast Aluminum (gear head)
Item Weight	4.73 pounds
Product Dimensions	13.19 x 7.68 x 4.5 inches
Special Features	Lightweight, Quiet Operation

9. ACCESSORIES

The PROXXON LHW/A is compatible with a wide range of accessories to expand its functionality:

- **Sanding Discs:** Available in various grits and materials (e.g., corundum, silicon carbide) for different surface finishes.
- **Sanding Fleeces:** For polishing and fine finishing tasks.
- **Cutting Discs:** Fabric-reinforced for efficient cutting of various materials.
- **Rasp Plate:** Tungsten carbide needles for aggressive material removal, especially on wood and plastic.

These accessories are designed for quick and easy changes thanks to the hook-and-loop backing system.



Image: The PROXXON LHW/A displayed alongside a selection of sanding discs and other accessories, illustrating the tool's versatility.

10. WARRANTY INFORMATION

PROXXON Inc. warrants to the original purchaser only, that all PROXXON consumer power tools will be free from defects in material or workmanship for a period of two years from the date of purchase. The seller's sole obligation and your exclusive remedy under this limited warranty, and to the extent permitted by law, any warranty or condition implied by law, shall be the repair or replacement of parts, without charge, which are defective in material or workmanship and which have not been misused,

carelessly handled, or misrepaired by persons other than the Seller or Authorized Service Station. This warranty does not apply to accessory items such as circular saw blades, drill bits, router bits, jigsaw blades, sanding belts, and other related items. Damage to the product resulting from tampering, accident, abuse, negligence, unauthorized repairs or alterations, unapproved attachments, or other causes unrelated to problems with material or workmanship are not covered by this warranty.

11. SUPPORT & CONTACT

For further assistance, technical support, or to inquire about service and replacement parts, please contact PROXXON Inc. directly. Refer to the contact information provided with your product packaging or visit the official PROXXON website for the most up-to-date support details.

Online Resources: For additional product information, tutorials, and a full range of accessories, please visit the [PROXXON Store on Amazon](#).

