RUPES HLR15/CB2/BAS

RUPES HLR15 BigFoot iBrid Random Orbital Polisher User Manual

Model: HLR15/CB2/BAS

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your RUPES HLR15 BigFoot iBrid Random Orbital Polisher. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.



Figure 1: RUPES HLR15 BigFoot iBrid Random Orbital Polisher Basic Kit, including the polisher, dual charger, batteries, polishing pads, and compounds.

The RUPES HLR15 BigFoot iBrid Random Orbital Polisher is a high-performance tool designed for professional polishing and buffing applications. It features new gear technology for reduced noise and vibrations, an 18V Li-ion battery system, and is compatible with BigFoot D-A Series foam and wool pads, along with D-A COARSE and D-A FINE polishing compounds.

2. Safety Information

Always observe the following safety precautions to prevent injury or damage to the product.

- Read all instructions before operating the polisher.
- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and gloves.
- Ensure the work area is well-ventilated and free from flammable materials.
- Do not operate the polisher in wet conditions or near liquids.
- Keep hands and loose clothing away from moving parts.
- Use only RUPES approved batteries, chargers, and accessories.

- Disconnect the battery before performing any maintenance or changing accessories.
- Store the polisher and accessories in a dry, secure location out of reach of children.

3. Package Contents

The RUPES HLR15 BigFoot iBrid Random Orbital Polisher Basic Kit includes the following components:

- 1 x iBrid HLR15 Single Tool
- 1 x 9HC185LT Dual Charger
- 2 x 9HB185LT 18V 5Ah Li-ion Batteries
- 1 x 9.DACOARSE250 D-A COARSE Polishing Compound 250mL
- 1 x 9.DAFINE250 D-A FINE Polishing Compound 250mL
- 2 x 9.DA150B Intermediate DA pads (Light blue)
- 2 x 9.DA150M Fine DA pads (Yellow)
- 2 x 9.NW130H D-A Coarse Wool Pads (Blue)
- 2 x 9.NW130M D-A Fine Wool Pads (Yellow)



Figure 2: Included polishing pads and compounds for various applications.

4. Setup

4.1 Charging the Batteries

The RUPES HLR15 uses 18V Li-ion batteries. Before first use, fully charge both batteries using the supplied dual charger.

1. Connect the dual charger to a suitable power outlet.
2. Insert the 18V Li-ion batteries into the charging slots.
3. The charger will indicate charging status. Allow batteries to fully charge before use. The charger prioritizes the highest voltage battery for faster charging.



Figure 3: The dual charger efficiently charges two 18V Li-ion batteries simultaneously.

4.2 Attaching the Backing Plate and Polishing Pad

Ensure the polisher is turned off and the battery is removed before attaching or changing the backing plate or polishing pad.

1. Align the backing plate with the spindle on the polisher.
2. Securely fasten the backing plate. Refer to the polisher's specific instructions for backing plate attachment if needed.
3. Select the appropriate BigFoot D-A Series foam or wool pad for your task.
4. Align the polishing pad with the backing plate and firmly press it into place. The hook-and-loop system will secure the pad.



Figure 4: The RUPES BigFoot backing plate, designed for secure pad attachment.

5. Operating Instructions

5.1 Powering On and Speed Control

Insert a charged 18V Li-ion battery into the polisher. The HLR15 features a variable speed control for precise operation, with a maximum speed of 5000 RPM.

- To turn on the polisher, press the power button or trigger.
- Adjust the speed using the speed dial or control mechanism. Start at a lower speed and gradually increase as needed for the task.
- The new gear technology and anti-spinning ring are designed to reduce noise and vibrations, providing enhanced stability and precision during use.



Figure 5: Key features of the BigFoot iBrid Polisher HLR15, including its advanced gear technology for reduced noise and vibrations.

5.2 Applying Polishing Compounds

Use RUPES D-A COARSE for defect removal and D-A FINE for a haze-free finish on various surfaces like automotive paint and gelcoat.

1. Apply a small amount of the chosen polishing compound directly onto the polishing pad.
2. Place the pad flat on the surface to be polished before turning on the polisher.
3. Move the polisher in a controlled, overlapping pattern, maintaining even pressure.
4. Work in small sections to ensure thorough coverage and optimal results.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your RUPES HLR15 polisher.

- **Cleaning:** After each use, wipe down the polisher body with a clean, damp cloth. Do not use harsh chemicals or

abrasive cleaners.

- **Pad Care:** Clean polishing pads thoroughly after each use. Foam and wool pads should be washed with a dedicated pad cleaner and allowed to air dry completely before storage.
- **Battery Care:** Store batteries in a cool, dry place. Avoid fully discharging batteries for extended periods.
- **Inspection:** Periodically inspect the backing plate for wear and tear. Replace if the hook-and-loop material is no longer securely holding pads.

7. Troubleshooting

This section addresses common issues you might encounter with your RUPES HLR15 polisher.

Problem	Possible Cause	Solution
Polisher does not turn on.	Battery not charged or improperly inserted.	Ensure battery is fully charged and correctly inserted into the tool.
Excessive vibration during operation.	Improperly attached pad, worn backing plate, or unbalanced pad.	Ensure pad is centered and securely attached. Inspect backing plate for damage or wear. Replace worn pads.
Polishing pad detaches during use.	Worn hook-and-loop on backing plate or pad.	Replace the backing plate or polishing pad if the hook-and-loop system is no longer effective. Ensure proper pressure and angle during operation.
Reduced polishing performance.	Clogged or worn polishing pad, incorrect compound, or insufficient power.	Clean or replace the polishing pad. Ensure you are using the correct compound for the task. Check battery charge level.

8. Specifications

Feature	Detail
Brand	RUPES
Model Number	HLR15/CB2/BAS
Specific Uses	Polishing and Buffing
Speed	5000 RPM (Maximum)
Voltage	18 Volts
Maximum Power	350 Watts
Item Weight	14.37 pounds
Product Dimensions	18 x 13.25 x 8 inches
Power Source	Battery Powered
Material	Plastic, Acrylonitrile Butadiene Styrene (ABS)
Color	Black

9. Warranty and Support

For warranty information, product support, or service inquiries, please refer to the official RUPES website or contact RUPES customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

This product may be eligible for extended protection plans. Please check with your retailer for available options.

For returns, the standard return policy is 30 days for refund/replacement. Please consult your point of purchase for specific return procedures.

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