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## RUPES LHR15 Mark III

# RUPES LHR15 Mark III Random Orbital Polisher Instruction Manual

Model: LHR15 Mark III | Brand: RUPES

## INTRODUCTION

The RUPES LHR15 Mark III Random Orbital Polisher is engineered for precise paint correction across various surfaces, including curved and hard-to-reach areas. It features an ergonomic design with rubberized grips and integrated tool rests for enhanced comfort, control, and stability during operation and when idle. The polisher operates at a higher rotational speed compared to the LHR21 Mark III, facilitating efficient correction. Its electronic speed control dial allows for easy, precise adjustment of maximum speed, while the progressive trigger provides fine-tuned speed control within the selected range without interrupting the polishing process. The BigFoot random orbital platform ensures consistent and effective surface treatment.

## PRODUCT OVERVIEW



This image provides an overview of the RUPES LHR15 Mark III polisher, highlighting its key components such as the ergonomic grip, speed control dial, rubberized body design, progressive trigger, and the long 9-meter power cord.

## PRODUCT FEATURES

### Ergonomic Grip

The Mark III features rubberized front and rear grips designed for superior operator comfort and non-slip control. Strategically placed tool rests provide stability when the tool is not in use and offer protection against impacts.

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## ERGONOMIC GRIP



### FRONT HANDLE

The rubber front handle offers a non-slip grip while providing comfort



### TOOL REST

Provides stability when not in use and act as protection against impact



### REAR HANDLE

Rubberized rear handle surface improves comfort



This image illustrates the ergonomic grip features of the RUPES LHR15 Mark III polisher, including the comfortable front handle, the stable tool rest, and the rubberized rear handle for improved control and feel.

### Electronic Speed Control Dial

The electronic speed control dial allows for easy adjustment of the polisher's maximum speed without repositioning your hand. Its large size and high visibility numbers, combined with positive feedback, enable deliberate and precise speed changes, allowing operators to select the ideal working speed without interruption.

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# SIMPLE SPEED CONTROL DIAL

## HIGH VISIBILITY NUMBERS

High-visibility numbers make it effortless to see and select the speed at a glance, enhancing user confidence and control

## EASY ADJUST DIAL

The larger dial is ergonomically designed for easy thumb adjustment, allowing smooth, precise speed changes

## ENHANCED FEEDBACK

Enhanced feedback delivers a more positive, deliberate feel to speed adjustments, giving users confident control



This image displays the electronic speed control dial on the RUPES LHR15 Mark III polisher, highlighting its clear numbering, large size for easy thumb adjustment, and the positive feedback it provides during speed changes.

## Progressive Trigger

The progressive trigger functions as a throttle, providing smooth speed control within the selected dial range. This allows for subtle adjustments and precise control without interrupting the polishing process or needing to reposition your grip.

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# PROGRESSIVE TRIGGER



## PRECISION CONTROL

The progressive trigger acts like a throttle, giving you smooth speed control within the dial range for precise adjustments



## SEAMLESS OPERATION

Adjust speeds subtly without interrupting your work or needing to reposition your grip or touch the speed dial



## IMPROVED EFFICIENCY

Experience greater control that keeps your process flowing smoothly, enhancing accuracy and reducing fatigue



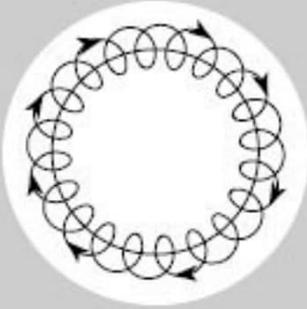
This image illustrates the progressive trigger feature of the RUPES LHR15 Mark III polisher, explaining how it provides precise, throttle-like control for subtle speed adjustments without interrupting the polishing process.

## Random Orbital Motion

The BigFoot random orbital platform ensures optimal surface treatment quality. The backing plate orbits and spins freely, driven by outward force and friction, with rotation varying independently from orbits. If friction stops rotation, the tool transitions from random orbital to simple orbital action.

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# RANDOM ORBITAL POLISHER



**RANDOM ORBITAL**

## **BACKING PLATE MOTION**

The backing plate orbits and spins freely, powered by outward force and friction; rotation varies independently from orbits

## **FRICITION IMPACT**

If friction stops rotation, the tool moves from random orbital to simple orbital action

## **SURFACE FINISH QUALITY**

Random orbital motion offers the best balance of surface treatment quality and effectiveness



This diagram explains the random orbital motion of the RUPES polisher, detailing how the backing plate orbits and spins freely, the effect of friction on rotation, and how this motion achieves optimal surface finish quality.

## **Long Reach 9-Meter Cord**

The polisher is equipped with an extra-long, heavy-duty 9-meter (approximately 29.5 feet) power cord. This extended length eliminates the need for extension cords, providing maximum power safely and efficiently, and allowing uninterrupted polishing without repositioning power sources.

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# LONG REACH 9 METER CORD



## HEAVY DUTY CORD

The extra-long, heavy-duty cord is specially gauged to deliver maximum power safely and efficiently to the polisher

## EXTENDED REACH

The 9-meter length eliminates the need for extension cords, saving you steps and hassle

## ENHANCED CONVENIENCE

Longer cord freedom allows uninterrupted polishing without repositioning power sources or grips



This image showcases the 9-meter long power cord of the RUPES polisher, explaining its heavy-duty construction, the extended reach it provides, and the convenience of uninterrupted polishing without needing to reposition power sources.

## SETUP

### Unpacking

Carefully remove the polisher and all accessories from the packaging. Inspect the tool for any signs of damage that may have occurred during shipping. Retain packaging for future storage or transport.

### Attaching the Backing Plate

1. Ensure the polisher is unplugged from the power source.
2. Align the backing plate with the spindle on the polisher.
3. Securely fasten the backing plate. Use the provided wrench, if necessary, to tighten it firmly but avoid overtightening.

### Attaching the Polishing Pad

Press the desired polishing pad firmly onto the hook-and-loop surface of the backing plate. Ensure the pad is

centered on the backing plate to prevent imbalance during operation.

## OPERATING INSTRUCTIONS

### Power Connection

Connect the power cord to a suitable 120V AC power outlet. Ensure the outlet is properly grounded.

### Speed Adjustment

Use the electronic speed control dial, located on the top of the tool, to select the desired maximum speed. It is recommended to start with a lower speed for initial product application and increase as needed for correction.

### Starting the Polisher

Place the polishing pad flat on the work surface before starting the tool. Gently press the progressive trigger to start the polisher. The trigger allows for fine speed adjustments within the selected dial range, providing precise control.

### Polishing Technique

- Maintain even pressure on the tool, allowing the polisher to do the work.
- Move the polisher in slow, overlapping passes across the work surface to ensure uniform coverage.
- Avoid tilting the polisher; keep the entire pad flat against the surface to maximize contact and effectiveness.
- Do not apply excessive pressure, as this can hinder the random orbital motion and reduce polishing efficiency.

### Stopping the Polisher

Release the progressive trigger to stop the polisher. Always lift the tool from the surface after the pad has stopped rotating.

## MAINTENANCE

### Cleaning

- Always unplug the tool from the power source before performing any cleaning or maintenance.
- Wipe the tool body with a clean, damp cloth. Do not use harsh chemicals, solvents, or abrasive cleaners.
- Clean polishing pads regularly after use to ensure optimal performance and longevity.

### Storage

Store the polisher in a dry, clean place, away from direct sunlight, moisture, and extreme temperatures. Ensure the power cord is neatly coiled and not kinked.

### Cord Inspection

Regularly inspect the power cord for any signs of damage, cuts, or fraying. Do not use the tool if the cord is damaged; contact a qualified service technician for repair or replacement.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Polisher does not start.	No power supply; progressive trigger not pressed.	Check power cord connection and wall outlet. Ensure the progressive trigger is fully pressed.

Problem	Possible Cause	Solution
Reduced polishing effectiveness.	Worn or dirty polishing pad; excessive pressure applied.	Clean or replace the polishing pad. Reduce applied pressure to allow random orbital action.
Excessive vibration or noise.	Improperly attached backing plate or pad; damaged backing plate or internal components.	Ensure backing plate and pad are securely attached and centered. Inspect backing plate for damage. If problem persists, contact support.

## SPECIFICATIONS

Feature	Detail
Model	LHR15 Mark III
Brand	RUPES
Speed	15 RPM (Rotations Per Minute)
Voltage	120 Volts (Based on product number 120/H6/US/STd)
Product Weight	0.28 kg (approx. 0.62 lbs)
Product Dimensions (L x W x H)	51.82 x 17.02 x 14.48 cm (20.4 x 6.7 x 5.7 inches)
Power Source	Corded Electric
Application	Automotive Detailing
GTIN	08055271656809

## WARRANTY INFORMATION

For detailed warranty information regarding your RUPES LHR15 Mark III polisher, please refer to the official RUPES website or consult your authorized RUPES dealer. It is essential to retain your purchase receipt as proof of purchase for any warranty claims.

## SUPPORT

If you require technical assistance, spare parts, or have questions regarding the operation or maintenance of your RUPES LHR15 Mark III polisher, please visit the official RUPES support page. Contact details for customer service can typically be found on the RUPES official website or through your local distributor.

## IMPORTANT SAFETY WARNINGS

**California Proposition 65 Warning:** This product can expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). Always wear appropriate personal protective equipment (PPE) including eye protection and hearing protection when operating the polisher. Ensure your work area is well-ventilated and free from flammable materials. Read and understand all safety instructions provided with the product before initial use to prevent injury and ensure proper operation.

