RYOBI R18P-0

RYOBI 18V ONE+ Cordless Eccentric Polisher PRO R18P-0 Instruction Manual

Model: R18P-0

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your RYOBI 18V ONE+ Cordless Eccentric Polisher PRO R18P-0. Please read these instructions thoroughly before using the tool and retain them for future reference.



Figure 1: RYOBI 18V ONE+ Cordless Eccentric Polisher PRO R18P-0. This image displays the polisher in its assembled form, featuring its distinctive green and grey housing, the polishing plate, and the ergonomic handle designed for battery insertion.

2. Safety Information

Always observe basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury.

General Power Tool Safety Warnings

- **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.
- **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. Always wear appropriate personal protective equipment, including safety glasses, hearing protection, and a dust mask.
- **Power Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Store idle power tools out of the reach of children.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

3. Package Contents

Upon opening the package, verify that all items listed below are present and undamaged:

- RYOBI 18V ONE+ Cordless Eccentric Polisher PRO R18P-0 (Tool Only)
- 1 x Polishing Disc (Yellow)
- 1 x Polishing Disc (Red)
- 1 x Finishing Disc (Black)
- Instruction Manual

Note: This product is sold as a bare tool and does not include a battery or charger. These must be purchased separately as part of the RYOBI ONE+ system.

4. Setup

4.1 Battery Installation

1. Ensure the polisher is switched off.
2. Align the battery pack with the battery port on the tool handle.
3. Slide the battery pack into the tool until it clicks securely into place.
4. To remove, press the release button on the battery pack and slide it out.

4.2 Attaching Polishing Pads

1. Ensure the polisher is switched off and the battery is removed.
2. The polisher features a Ø125 mm hook and loop disc pad.
3. Align the desired polishing disc (yellow for polishing, red for polishing, black for finishing) with the hook and loop pad.
4. Press the disc firmly onto the pad to secure it.
5. Ensure the disc is centered and fully attached before operation.

5. Operating Instructions

5.1 Powering On/Off

- To turn the polisher on, press the power switch.
- The polisher has a blocking switch for continuous use, allowing for extended operation without holding the trigger.
- To turn the polisher off, release or disengage the power switch.

5.2 Variable Speed Control

The polisher features variable speed control, adjustable from 3000 to 7500 oscillations per minute (osc/min). This allows for precise control depending on the application and material.

- Use lower speeds for delicate surfaces or initial spreading of compounds.
- Higher speeds are suitable for removing more stubborn imperfections or for final buffing.

5.3 Polishing Technique

The eccentric orbital oscillation system of this polisher is designed to perform streak-free polishing, providing a smooth and professional finish.

1. Ensure the surface to be polished is clean and dry.
2. Apply a small amount of polishing compound directly to the polishing disc or the surface.
3. Place the polisher flat on the surface before turning it on.
4. Move the polisher in a slow, overlapping pattern, applying even, light pressure. Avoid pressing too hard, as this can reduce the effectiveness of the eccentric action.
5. For removing scuffs and minor scratches on bodywork, use an appropriate compound and adjust the speed as needed.
6. After polishing, use the black finishing disc to achieve a high-gloss finish.

The GripZone coating ensures a comfortable grip during extended use.

6. Maintenance

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

- **Cleaning:** After each use, disconnect the battery and wipe down the tool with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Polishing Pads:** Clean polishing pads regularly according to their manufacturer's instructions. Replace worn or damaged pads to ensure effective polishing and prevent damage to surfaces.
- **Storage:** Store the polisher in a dry, secure place, out of reach of children. Remove the battery pack before storage.
- **Inspection:** Periodically inspect the tool for any signs of damage, loose fasteners, or worn components. If any issues are found, contact customer support for assistance.

7. Troubleshooting

Refer to the table below for common issues and their potential solutions.

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed correctly or discharged.	Ensure battery is fully charged and properly seated.

Problem	Possible Cause	Solution
Poor polishing results (streaks, uneven finish).	Incorrect pad, insufficient compound, uneven pressure, or worn pad.	Use appropriate pad for the task. Apply sufficient compound. Maintain even, light pressure. Replace worn pads.
Tool vibrates excessively.	Polishing disc not centered or damaged.	Re-center the polishing disc. Replace if damaged.
Reduced power or speed.	Battery charge low.	Recharge the battery pack.

8. Specifications

Feature	Detail
Model Number	R18P-0 (5133004845)
Voltage	18V (RYOBI ONE+ System)
Speed (Oscillations per minute)	3000 - 7500 osc/min (Variable)
Oscillation Diameter	8 mm
Pad Size	Ø 125 mm
Item Weight (without battery)	1.8 kg (3.96 pounds)
Power Source	Battery Powered
Product Dimensions	23.62 x 11.81 x 11.81 inches (approx. 60 x 30 x 30 cm)
Material	Metal
Color	Black / Green

9. Warranty and Support

9.1 Product Warranty

RYOBI tools and batteries are covered by a standard **2-year warranty**. An extended **1-year warranty** is offered if the consumer registers their product within 30 days of the purchase date. The registration confirmation and the original invoice indicating the date of purchase serve as proof of warranty extension.
For specific warranty terms and conditions, please refer to the official RYOBI website or contact customer service.

9.2 Spare Part Availability

EU spare parts for this product are available for a duration of**5 years** from the date of manufacture.

9.3 Customer Support

For technical assistance, service, or to inquire about spare parts, please visit the official RYOBI website or contact your local RYOBI service center. Always have your model number (R18P-0) and purchase date available when contacting support.

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