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› AVID POWER 6-inch Dual Action Polisher (Model AEP127) Instruction Manual

AVID POWER AEP127

AVID POWER 6-inch Dual Action Polisher (Model AEP127) Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, setup, and maintenance of your AVID POWER 6-inch Dual Action Polisher, Model AEP127. This random orbital polisher is designed for a variety of applications, including polishing, removing swirls, scratches, and defects from painted vehicle surfaces, as well as sanding wood or metal. Its dual-action random orbital motion helps ensure a swirl-free and burn-absent buffing result, offering better performance than traditional rotary polishers.

2. SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating this tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious 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:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

3. PACKAGE CONTENTS

The AVID POWER 6-inch Dual Action Polisher kit includes the following items:

- 1 x AVID POWER Dual Action Polisher (Model AEP127)
- 3 x Polishing Pads (various grades for cutting, polishing, and waxing)
- 1 x Pad Disc
- 1 x Detachable D-Handle
- 1 x Spanner
- 1 x Hex Wrench
- 1 x User Manual

4. SETUP

Attaching the D-Handle

The detachable D-handle provides enhanced grip and control during operation. Follow these steps to install it:

1. Locate the plastic screws on the polisher body. These are for dust protection during shipping.
2. Remove these plastic screws using the provided hex wrench. **Important:** The D-handle cannot be installed if these plastic screws are not removed.
3. Align the D-handle with the screw holes on the polisher.
4. Insert the M8x16 screws (provided) and tighten them securely with the hex wrench.

Video: Demonstrates the correct procedure for installing the D-handle on the AVID POWER polisher.

Attaching Polishing Pads

The polisher features a hook-and-loop backing pad for easy attachment and removal of polishing pads. Ensure the pad disc is securely attached to the polisher before attaching any pads.

Adjustable Auxiliary Handle

ON/OFF Button

Rubberized Body



Variable Speed Control

Backing Plate

Image: Overview of the polisher's components, highlighting the adjustable handle and speed control.

5. OPERATING INSTRUCTIONS

The AVID POWER Dual Action Polisher is designed for both beginners and professionals, offering ease of use and effective results.

Variable Speed Control

The polisher features a 6-speed control dial, allowing you to adjust the rotation speed from 1500 to 6800 RPM to suit different tasks:

- **Speeds 1-2:** Ideal for waxing and buffing.
- **Speeds 3-4:** Suitable for general polishing and cleaning.
- **Speeds 5-6:** Recommended for removing paint defects and oxidation.

6 Variable Speeds



Image: Demonstrates the variable 6-speed control for different detailing tasks.

Dual Action Random Orbital Motion

This polisher utilizes a dual-action random orbital motion, which minimizes the risk of swirl marks and paint burn-through, providing a smooth and consistent finish. The 8mm orbit ensures effective coverage and results.

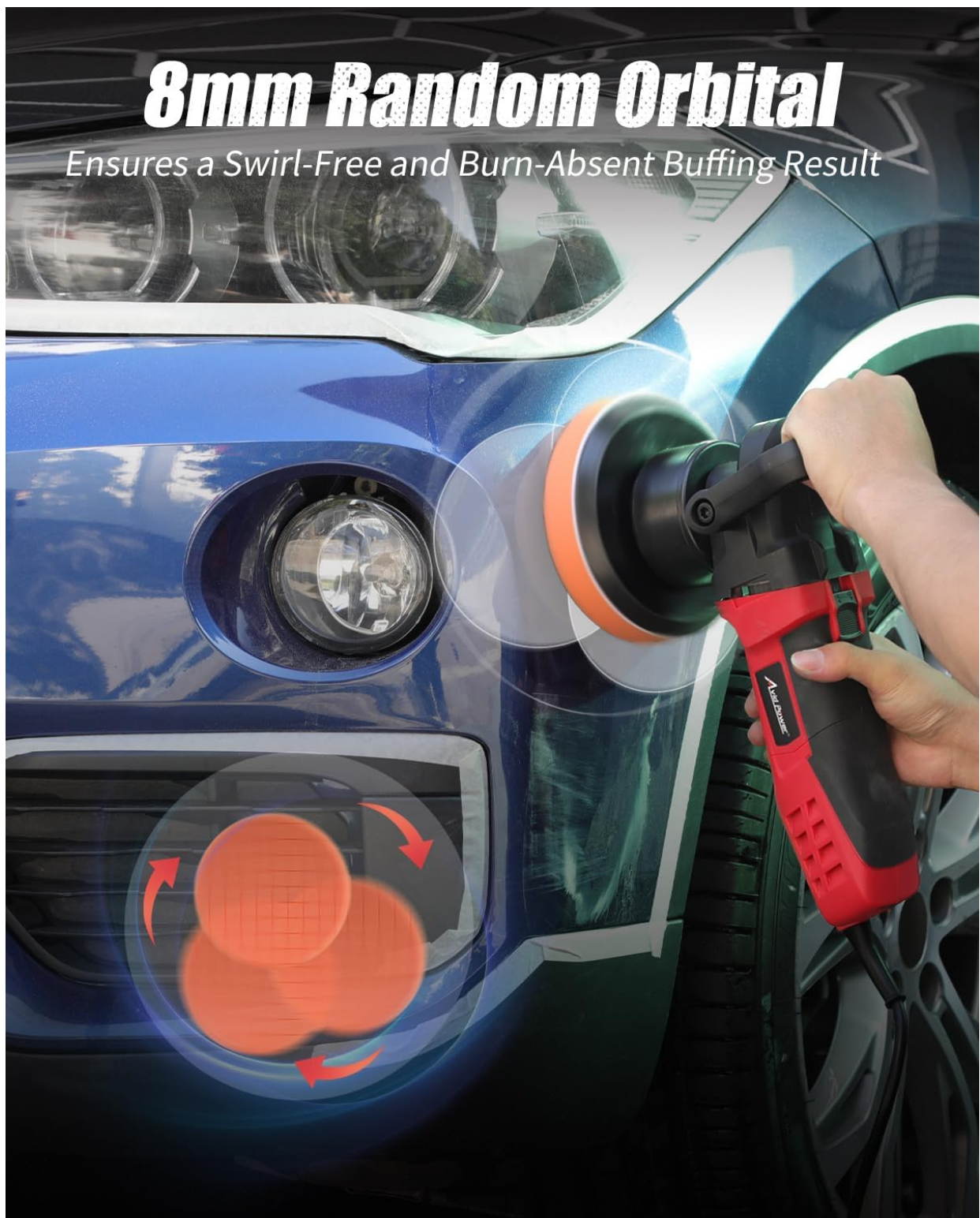


Image: Visual representation of the 8mm random orbital motion for safe and effective polishing.

Applications

The AVID POWER polisher is versatile and can be used for:

- Automotive detailing (polishing, waxing, removing swirls, scratches, and oxidation)
- Sanding wood surfaces
- Sanding metal surfaces
- Polishing other surfaces like marble tabletops and yachts

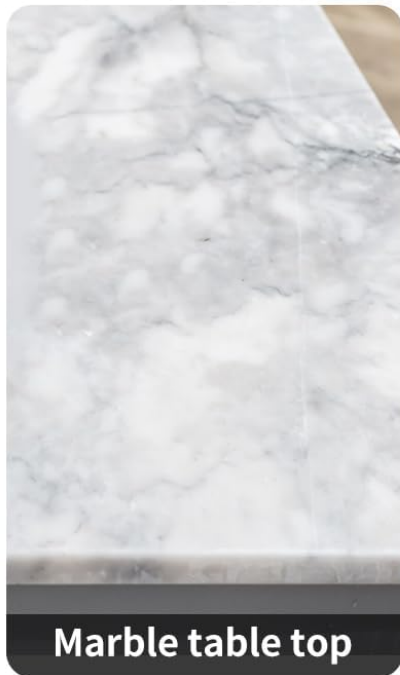
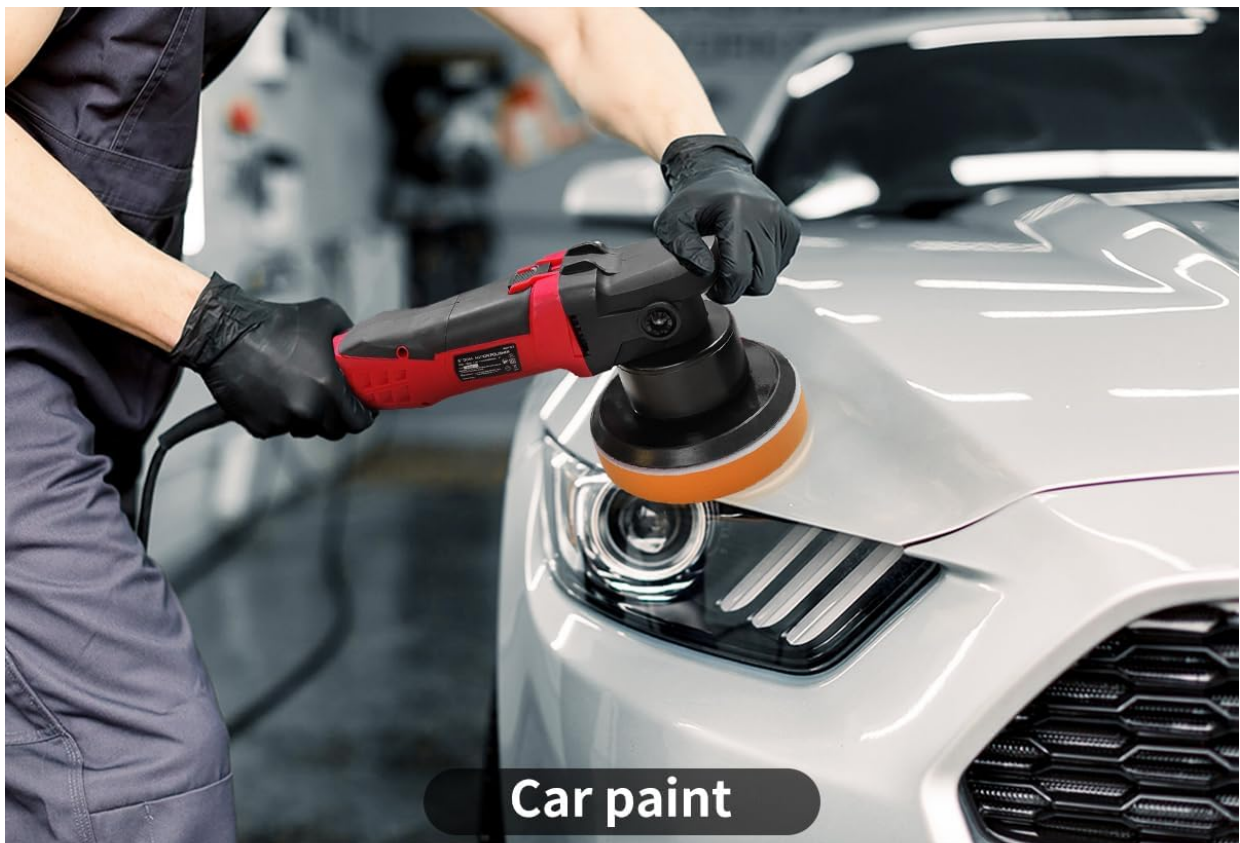


Image: Examples of various applications for the AVID POWER polisher.

Using the Polisher

Before starting, ensure the surface is clean and free of debris. Apply your chosen compound, polish, or wax directly to the pad or the surface. Maintain even pressure and move the polisher in overlapping passes. Always start at a lower speed and increase as needed for the task.

Apply Polish and Wax, Buffing for a Flawless Finish



Before



After

Image: Before and after comparison demonstrating the effectiveness of polishing.

6. MAINTENANCE

Cleaning Polishing Pads

After each use, it is crucial to clean your polishing pads to maintain their effectiveness and prolong their lifespan. Remove the pad from the backing plate. Wash the pads with warm water and a mild detergent. Gently squeeze out excess water and allow them to air dry completely before storage. Avoid grabbing the foam edge and tearing it off directly; instead, grab the white edge of the hook-and-loop backing to remove the pad.

Upgraded Compound Foam Pads



Image: Different types of foam pads included with the polisher for various tasks.

General Tool Care

Regularly inspect the power cord for any damage. Keep the tool's ventilation openings clean to prevent overheating. Store the polisher in a dry, safe place away from children.

7. TROUBLESHOOTING

If you encounter issues with your AVID POWER polisher, consider the following general troubleshooting steps:

- **Tool not turning on:** Ensure the power cord is securely plugged into a functional outlet. Check the ON/OFF switch for proper engagement.

- **Reduced performance:** Verify that the correct pad is being used for the task and that it is clean. Ensure the speed setting is appropriate for the application.
- **Excessive vibration or noise:** Check that the pad is correctly centered and securely attached to the backing plate. Inspect the pad for any damage or uneven wear.

For persistent issues, please refer to the warranty and support section for contact information.

8. SPECIFICATIONS

Feature	Specification
Brand	AVID POWER
Model Number	AEP127
Power Source	Corded Electric
Amperage	5 Amps
Voltage	120 Volts
Speed	1500-6800 RPM (Variable 6-speed)
Product Dimensions	7.28"D x 2.75"W x 4.92"H
Item Weight	4.87 Pounds
Material	Acrylonitrile Butadiene Styrene (ABS), Metal
UPC	765756395090

9. WARRANTY AND SUPPORT

Warranty Information

The AVID POWER Dual Action Polisher (Model AEP127) typically comes with a standard warranty. Many users report a 2-year warranty, with options to extend it by registering the product. Please refer to the warranty card included in your package for specific terms and conditions.

Return Policy

This product is generally eligible for a 30-day return policy for refund or replacement, subject to the retailer's terms of sale.

Customer Support

For any questions, technical assistance, or warranty claims, please contact AVID POWER customer service. Many customers have reported positive experiences with their responsive and helpful support team. Contact details can usually be found in the product packaging or on the official AVID POWER website.