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› Shop-Vac 8 Gallon 4.5 Peak HP Wet/Dry Vacuum Instruction Manual

Shop-Vac 5430114

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Model: 5430114

INTRODUCTION

Thank you for choosing the Shop-Vac 8 Gallon 4.5 Peak HP Wet/Dry Vacuum. This powerful and versatile vacuum is designed for effective cleaning in various environments, including garages, workshops, jobsites, and patios. Its stainless steel tank ensures durability, while its multi-functional design allows for wet, dry, and blowing operations. Please read this manual thoroughly before operating the vacuum to ensure safe and efficient use.

SAFETY INFORMATION

Always follow basic safety precautions when using this appliance to reduce the risk of fire, electric shock, or injury.

- Read all instructions before use.
- Do not leave the appliance unattended when plugged in. Unplug from outlet when not in use and before servicing.
- Do not use with a damaged cord or plug. If the appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to a service center.
- Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle plug or appliance with wet hands.
- Do not use to pick up flammable or combustible liquids, such as gasoline, or use in areas where they may be present.
- Do not pick up anything that is burning or smoking, such as cigarettes, matches, or hot ashes.
- Use extra care when cleaning on stairs.
- Do not use without filters in place.
- Connect to a properly grounded outlet only. See grounding instructions.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental

capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

PACKAGE CONTENTS

Verify that all items are present before beginning assembly.

- Shop-Vac 8 Gallon 4.5 Peak HP Wet/Dry Vacuum Unit
- 7 ft x 1-7/8" Hose
- 2 Extension Wands
- 12" Nozzle
- Floor Nozzle
- Crevice Tool
- Round Brush
- Cartridge Filter
- Filter Bag
- Foam Sleeve



A Variety of Accessories **Meet Your Different Cleaning Needs.**

Figure 1: Included Accessories and Vacuum Unit

ASSEMBLY INSTRUCTIONS

Follow these steps to assemble your Shop-Vac wet/dry vacuum. Some steps may require firm pressure.

1. **Caster Installation:** Turn the tank upside down. Firmly press each caster into the designated slots on the bottom rim of the tank. Ensure they are securely seated. Note: The casters are designed for a tight fit and may require significant force. Align them carefully before pressing to ensure a square installation.
2. **Side Handle Attachment:** Locate the two side handles and the four plastic alignment parts. Insert the plastic alignment parts into the tank from the inside, ensuring they align with the handle screw holes. Position the side handles on the outside of the tank and secure them with the provided screws. A 5/16 nut driver or socket is recommended for tightening the screws.
3. **Hose Connection:** Attach the 7 ft x 1-7/8" hose to the inlet port on the front of the vacuum tank. Twist the hose connector clockwise to secure it firmly. This ensures the hose does not detach during use.
4. **Filter Installation (Dry Pick-Up):** For dry vacuuming, install the cartridge filter over the filter cage and secure it with the retainer. Place the filter bag inside the tank, ensuring the opening aligns with the hose inlet.

5. **Filter Installation (Wet Pick-Up):** For wet vacuuming, remove the cartridge filter and filter bag. Install the foam sleeve over the filter cage.
6. **Accessory Storage:** Utilize the on-board storage slots and the tool holder to keep all accessories organized and within reach. The power cord can be wrapped around the top handle for neat storage.



The image shows three Shop-Vac vacuum units arranged on a light-colored floor against a dark background with the text "SINCE 1953" in large, distressed letters. On the left is a black and brown canister vacuum labeled "shop-vac Super Quiet Power". In the center is a white wet/dry vacuum labeled "shop-vac" with a red "700" rating. On the right is another white wet/dry vacuum labeled "shop-vac" with a blue "wet dry vac" label. A black and white motor unit with a hose and nozzle is positioned in front of the central unit.

GENUINE | AMERICAN | ORIGINAL

Founded in 1953, Shop-Vac has delivered innovative, high-quality vacuums and accessories for homes, businesses, and industrial environments.

Known for reliability and performance, Shop-Vac continues to advance cleaning technology through ongoing research, engineering, and product innovation.

Figure 2: Assembled Vacuum Unit

OPERATING INSTRUCTIONS

Dry Vacuuming

For dry debris, ensure the cartridge filter and filter bag are correctly installed. Attach the desired nozzle (e.g., 12" nozzle, floor nozzle, crevice tool, or round brush) to the hose. Plug the vacuum into a grounded electrical outlet and turn the power switch to the 'ON' position. Guide the nozzle over the dry debris to be collected.



Figure 3: Dry Pick Up Operation

Wet Vacuuming

Before wet vacuuming, remove the cartridge filter and filter bag, and install the foam sleeve over the filter cage. Attach the appropriate nozzle for liquid pickup. Plug in the vacuum and turn it on. Guide the nozzle over the liquid spill. The vacuum will automatically shut off when the tank is full. Empty the tank using the large drain port after wet pickup.



Figure 4: Wet Pick Up Operation

Blower Function

To use the blower function, detach the hose from the inlet port and connect it to the blower port located on the motor head. Ensure the connection is secure. Turn on the vacuum and direct the airflow to clear leaves, grass clippings, or other light debris from surfaces like patios or driveways.



Figure 5: Blower Function in Use

MAINTENANCE

Emptying the Tank

- **Dry Debris:** Unlatch the motor head and carefully lift it off the tank. Dispose of collected dry debris.
- **Liquids:** For liquids, unscrew the large drain port cap located at the bottom of the tank to easily empty the water. This eliminates the need to lift and pour the entire tank.

Large Drain Port

Pour Water Easily without Bending Over



Figure 6: Using the Large Drain Port

Filter Care

- **Cartridge Filter:** For dry use, clean the cartridge filter by gently tapping it to dislodge dust or by rinsing it with water (allow to dry completely before reuse). Replace when damaged or suction decreases significantly.
- **Foam Sleeve:** For wet use, the foam sleeve can be rinsed with water and allowed to air dry.
- **Filter Bag:** Replace the filter bag when it is full or when suction performance is reduced.

General Cleaning

Wipe down the exterior of the vacuum and accessories with a damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure all parts are dry before storing.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Vacuum does not start	No power to outlet; Power switch off; Faulty cord/plug	Check power supply; Ensure switch is ON; Inspect cord/plug for damage.
Loss of suction	Clogged hose/nozzle; Full tank; Dirty/clogged filter; Improperly sealed lid	Clear obstructions; Empty tank; Clean/replace filter; Ensure lid is latched securely.
Water coming from exhaust	Tank is full; Foam sleeve not installed for wet pickup	Empty tank; Install foam sleeve for wet pickup.
Excessive noise	Motor head not seated properly; Obstruction in motor/fan	Ensure motor head is latched; Check for and remove obstructions.

SPECIFICATIONS

Feature	Detail
Model Name	5430114
Capacity	8 Gallons
Peak Horsepower	4.5 HP
Tank Material	Stainless Steel
Power Source	Corded Electric
Voltage	120 Volts
Hose Length	7 ft
Hose Diameter	1-7/8 inches
Cord Length	15 ft
Filter Type	Cartridge, Cloth, Foam
Item Weight	19.1 Pounds
Dimensions (L x W x H)	16" x 16" x 20"
Special Features	Wet/Dry/Blower Function, Drain Port, On-board Accessory Storage, Caster System



Figure 7: Product Dimensions and Features

WARRANTY AND SUPPORT

Shop-Vac products are manufactured to high-quality standards. For warranty information or technical support, please refer to the warranty card included with your product or visit the official Shop-Vac website. Keep your purchase receipt as proof of purchase for any warranty claims.