Lavor Planet 170 Extra

Lavor Planet 170 Extra Pressure Washer User Manual

Model: Planet 170 Extra (8.110.0026C)

1. Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Lavor Planet 170 Extra cold water pressure washer. Please read these instructions carefully before using the appliance and keep them for future reference.

The Lavor Planet 170 Extra is designed for cleaning various surfaces using high-pressure cold water, with a maximum pressure of 170 bar and a flow rate of 510 liters per hour, powered by a 2500W motor. It features an integrated chemical tank for direct detergent suction and comes with a comprehensive set of accessories for diverse cleaning tasks.

2. Safety Information

WARNING: Always follow basic safety precautions when using this product to reduce the risk of injury or damage.

- Read all instructions before operating the pressure washer.
- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and protective footwear.
- Never direct the water jet at people, animals, electrical equipment, or the appliance itself.
- Ensure the power supply matches the specifications on the product label.
- Do not operate the pressure washer if the power cord or other essential parts are damaged.
- Keep children and pets away from the operating area.
- Always disconnect the power supply before performing any maintenance or cleaning.
- Use only genuine Lavor replacement parts and accessories.

3. Product Overview and Components

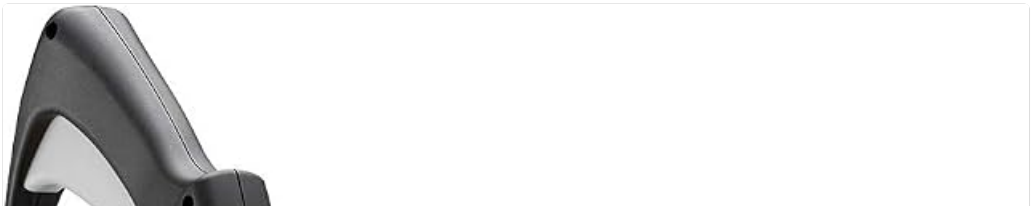
The Lavor Planet 170 Extra pressure washer includes the main unit and various accessories designed for different cleaning applications.



Figure 3.1: Lavor Planet 170 Extra Pressure Washer with included accessories, including the main unit, various nozzles, brushes, and hoses.

Main Unit Features:

- **Trolley with Ergonomic Handle:** For easy transport and maneuverability.
- **Accessory Holder:** Convenient storage for nozzles and brushes.
- **High-Pressure Hose Reel:** Integrated reel for organized hose storage.
- **Integrated Detergent Tank:** For direct suction of cleaning agents.
- **Automatic Stop System:** The motor stops when the trigger is released, saving energy and extending pump life.
- **Pump:** Equipped with a 3-piston steel pump, aluminum pump head, and built-in bypass valve for durability and performance.




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Figure 3.2: Close-up view of the Lavor Planet 170 Extra main unit, highlighting its compact design and integrated features.

Included Accessories:

- **Pistol (Gun) with Quick Connection:** For comfortable and secure handling.
- **High-Pressure Hose (8 meters):** Connects the unit to the pistol.
- **Lance with Quick Connection:** Extends the reach and allows for nozzle attachment.
- **Variojet Nozzle:** Adjustable spray pattern for various cleaning tasks.
- **Turbo Nozzle:** Provides a concentrated, rotating jet for stubborn dirt.
- **Chemical Nozzle:** Designed for applying detergents from the integrated tank.
- **Fixed Brush:** For gentle scrubbing of surfaces.
- **Rotary Brush:** For more effective cleaning with mechanical action.
- **Floor Cleaning Accessory:** Specialized attachment for cleaning large flat surfaces.
- **Drain Cleaner Hose (6 meters):** For clearing blockages in pipes and drains.
- **Adapter:** For connecting water supply.

4. Setup and Assembly

1. **Unpacking:** Carefully remove all components from the packaging. Check for any damage.
2. **Handle Assembly:** Attach the handle to the main unit if it is not pre-assembled. Ensure it clicks securely into place.
3. **Wheel Attachment:** If the wheels are not pre-attached, secure them to the base of the unit. Refer to Figure 3.5 for wheel detail.



Figure 3.5: Detail of the wheel assembly, showing the release button for potential adjustments or disassembly.

4. **Hose Reel Assembly:** Ensure the high-pressure hose is properly wound onto the integrated reel.



Figure 3.3: Integrated hose reel for convenient storage of the high-pressure hose.

5. **Water Supply Connection:**
    - Connect a garden hose (not included) to the water inlet on the pressure washer using the provided adapter.
    - Ensure the water supply hose is at least 1/2 inch (13 mm) in diameter and has a sufficient flow rate.
    - Connect the other end of the garden hose to a water tap.
    - Turn on the water tap fully.
6. **High-Pressure Hose Connection:** Connect one end of the 8-meter high-pressure hose to the outlet on the pressure washer and the other end to the pistol. Ensure all connections are secure to prevent leaks.
7. **Accessory Attachment:** Attach the desired lance and nozzle or brush to the pistol using the quick-connect system.
8. **Detergent Tank (Optional):** If using detergent, fill the integrated detergent tank with an appropriate pressure washer detergent. Refer to Figure 3.4 for the detergent tank location.



Figure 3.4: View of the integrated detergent tank, designed for direct suction of cleaning agents.

9. **Power Connection:** Plug the power cord into a grounded electrical outlet.

5. Operating Instructions

1. **Purging Air:** Before starting the motor, squeeze the trigger on the pistol to allow water to flow through the system and purge any air. Continue until a steady stream of water emerges.
2. **Starting the Unit:** Turn the ON/OFF switch to the "ON" position. The motor will start.
3. **Operating the Pistol:** Squeeze the trigger on the pistol to begin spraying high-pressure water. Release the trigger to activate the Automatic Stop System.
4. **Adjusting Spray:**
    - **Variojet Nozzle:** Rotate the nozzle head to adjust the spray pattern from a narrow pencil jet to a wide fan spray.
    - **Turbo Nozzle:** Provides a powerful, rotating jet for heavy-duty cleaning. Do not use on delicate surfaces.
    - **Chemical Nozzle:** Use this nozzle when applying detergent from the integrated tank. The pressure will be reduced to allow for detergent suction.

5. **Using Brushes:** Attach the fixed or rotary brush for scrubbing surfaces. These are typically used with lower pressure or detergent application.
6. **Using the Drain Cleaner Hose:** Insert the drain cleaner hose into the pipe or drain. The forward-facing jet helps clear blockages, while rear-facing jets propel the hose forward.
7. **Applying Detergent:** Ensure the chemical nozzle is attached or the detergent function is activated (if applicable to the chosen nozzle). The pressure washer will draw detergent from the integrated tank. Apply detergent to the surface, allow it to soak for a few minutes (do not let it dry), then rinse with high-pressure water.
8. **Stopping the Unit:**
    - Release the trigger on the pistol.
    - Turn the ON/OFF switch to the "OFF" position.
    - Turn off the water tap.
    - Squeeze the trigger to release any remaining pressure in the system.
    - Disconnect the power cord.



Figure 5.1: Example of using the pressure washer to clean outdoor play equipment.



Figure 5.2: Example of using the pressure washer for cleaning outdoor furniture.

6. Maintenance and Storage

6.1. After Each Use:

- **Rinse System:** If detergent was used, run clean water through the system for a few minutes to flush out any remaining detergent.
- **Drain Water:** Disconnect the water supply and high-pressure hose. Squeeze the trigger to drain any remaining water from the pump and hose.
- **Clean Nozzles:** Remove any debris from the nozzle openings using the provided nozzle cleaning tool (if included) or a thin wire.
- **Wipe Down:** Clean the exterior of the unit with a damp cloth.

6.2. Storage:

- Store the pressure washer in a dry, frost-free location. Freezing temperatures can damage the pump.
- Coil the high-pressure hose neatly on the hose reel.
- Store all accessories in their designated holders on the unit or in a separate container.
- For extended storage, especially in cold climates, consider using a pump protector/antifreeze solution.

7. Troubleshooting

Problem	Possible Cause	Solution
Unit does not start	No power supply; ON/OFF switch off; Thermal overload activated.	Check power connection; Turn switch ON; Allow unit to cool down.
Low pressure	Insufficient water supply; Air in pump; Clogged nozzle; Worn pump seals.	Ensure full water flow; Purge air from system; Clean nozzle; Contact service center.
Pulsating pressure	Air in pump; Clogged nozzle; Water supply restriction.	Purge air from system; Clean nozzle; Check water hose for kinks or blockages.
Water leaks	Loose connections; Damaged O-rings or seals.	Tighten all connections; Replace damaged O-rings/seals.
Detergent not siphoning	Detergent tank empty; Chemical nozzle not attached; Clogged detergent line.	Refill tank; Attach chemical nozzle; Clean detergent line.

8. Specifications

Model	Planet 170 Extra
Model Number	8.110.0026C
Brand	Lavor
Maximum Pressure	170 bar
Maximum Flow Rate	510 Liters per hour

Motor Power	2500 W
Power Type	AC/DC
Dimensions (L x W x H)	29 x 31 x 80 cm
Weight	10 Kilograms
High-Pressure Hose Length	8 Meters
Drain Cleaner Hose Length	6 Meters
Manufacturer	Lavorwash
Country of Origin	China



Figure 8.1: Repairability Index score for the product, indicating ease of repair.

9. Warranty and Support

Lavor products are manufactured to high-quality standards. For warranty information, please refer to the documentation provided with your purchase or visit the official Lavor website.

Spare Parts Availability: Spare parts for the Lavor Planet 170 Extra are available for a period of 10 years from the date of purchase. For technical assistance, spare parts, or service inquiries, please contact your authorized Lavor dealer or customer support.

For further assistance, please visit the Lavor official website.

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