

## SOLO 0610411-K

# SOLO 0610411-K Sprayer Wand/Shut-off Valve Repair Kit Instruction Manual

Model: 0610411-K

## 1. INTRODUCTION

This instruction manual provides detailed guidance for the installation and maintenance of the SOLO 0610411-K Sprayer Wand/Shut-off Valve Repair Kit. This kit is designed to restore the functionality of your SOLO sprayer's wand and shut-off valve by replacing worn components, ensuring efficient and leak-free operation.

Please read these instructions carefully before proceeding with the repair to ensure proper installation and safe use.

## 2. PRODUCT OVERVIEW

The SOLO 0610411-K Repair Kit contains essential replacement parts for the wand and shut-off valve assembly of compatible SOLO sprayers. These components are crucial for maintaining the pressure and preventing leaks in your sprayer system, extending its lifespan and performance.



**Image 1:** Contents of the SOLO 0610411-K Repair Kit. This image displays all the individual components included in the kit, such as various seals, O-rings, a spring, and valve parts, laid out against a white background.

### 3. COMPATIBILITY

This repair kit is compatible with a wide range of SOLO sprayers. It is designed to fit:

- All SOLO backpack sprayers.
- SOLO handheld sprayer models: LCS-1G, LCS-2G, LCS-3G, 430-1G, 430-2G, 430-3G, 454, 456, 457, 457-Rollabout, and 452 BA.

This kit includes all wear items from the hose connection point to the spray nozzle, ensuring a comprehensive repair for the specified models. It does **not** fit SOLO ECS series sprayers.

### 4. KIT CONTENTS

The SOLO 0610411-K Repair Kit typically includes the following components:

- Various seals and O-rings for critical sealing points.
- Internal valve components, such as a plunger and spring.
- Connection nuts or caps.

These parts are designed to replace worn or damaged components within the sprayer's wand and shut-off valve assembly, addressing common issues like leaks and loss of pressure.

### 5. INSTALLATION INSTRUCTIONS (REPAIR PROCEDURE)

Follow these steps to replace the components in your SOLO sprayer's wand and shut-off valve. No specialized tools are typically required for this repair.

1. **Depressurize the Sprayer:** Ensure the sprayer is completely empty and depressurized before beginning any repair work. Activate the shut-off valve to release any remaining pressure.
2. **Disconnect the Wand:** Carefully unscrew the wand assembly from the sprayer hose or handle. Note the orientation of all parts as you disassemble them.

3. **Disassemble the Shut-off Valve:** Depending on your specific sprayer model, the shut-off valve may be integrated into the handle or at the base of the wand. Unscrew or unclip the components of the shut-off valve. Pay close attention to the order of seals, springs, and plungers.
4. **Remove Worn Components:** Identify and remove all old seals, O-rings, and any other worn internal parts. Compare them with the new components from the repair kit to ensure you are replacing all necessary items.
5. **Install New Components:**
  - Replace all O-rings and seals with the new ones from the kit. Ensure they are seated correctly in their grooves.
  - Install the new plunger and spring (if included and applicable to your model) in the correct orientation.
  - Lightly lubricate O-rings with silicone grease (not petroleum-based) if available, to aid in assembly and improve sealing.
6. **Reassemble the Shut-off Valve and Wand:** Carefully reassemble the shut-off valve components in reverse order of disassembly. Ensure all connections are hand-tightened securely to prevent leaks. Reattach the wand assembly to the sprayer hose or handle.
7. **Test for Leaks:** Fill the sprayer with water and pressurize it. Check all connections and the shut-off valve for any leaks. If leaks are present, depressurize the sprayer and re-check the installation of the seals and O-rings.

Proper installation of these components will restore the sprayer's performance and prevent liquid loss during operation.

## 6. MAINTENANCE

To ensure the longevity of your sprayer and its repaired components:

- **Rinse After Use:** Always rinse the sprayer thoroughly with clean water after each use, especially when using chemicals. This prevents residue buildup that can degrade seals.
- **Store Properly:** Store the sprayer in a clean, dry place, away from direct sunlight and extreme temperatures.
- **Inspect Regularly:** Periodically inspect the wand and shut-off valve for signs of wear or damage. Replace components as needed using genuine SOLO repair parts.
- **Lubrication:** Occasionally apply a small amount of silicone grease to O-rings and moving parts to maintain flexibility and sealing effectiveness.

## 7. TROUBLESHOOTING

If you encounter issues after installing the repair kit, consider the following:

Problem	Possible Cause	Solution
<b>Leak at wand/hose connection</b>	O-ring improperly seated or damaged during installation. Connection not tight enough.	Depressurize, disassemble, inspect and reseal O-ring. Ensure connection is hand-tight.
<b>Shut-off valve leaks</b>	Internal seals or plunger incorrectly installed or damaged.	Depressurize, disassemble the valve, and carefully re-install all internal components, ensuring correct orientation and proper seating of seals.

Problem	Possible Cause	Solution
Poor spray pattern or no pressure	Nozzle clogged (not directly related to repair kit, but common). Internal valve component blockage.	Clean the nozzle. Check internal valve components for debris or incorrect assembly.

If problems persist, contact SOLO customer support for further assistance.

## 8. SPECIFICATIONS

- **Brand:** SOLO
- **Model Number:** 0610411-K
- **Product Dimensions:** Approximately 8 x 6 x 0.25 inches (packaging/kit size)
- **Item Weight:** Approximately 0.01 ounces
- **Material:** Components include various plastics, rubber (for seals/O-rings), and metal (for spring).
- **Compatibility:** Designed for specific SOLO backpack and handheld sprayer models (refer to Section 3).

## 9. WARRANTY AND SUPPORT

This SOLO repair kit is manufactured to high-quality standards. For specific warranty information regarding genuine SOLO replacement parts, please refer to the documentation provided with your original SOLO sprayer or visit the official SOLO website.


For technical support, replacement part inquiries, or further assistance, please contact SOLO customer service. You can typically find contact information on the SOLO official website or through your product retailer.





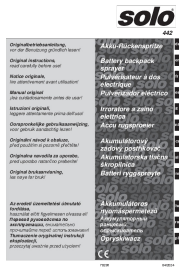
For more information about SOLO products, visit the [SOLO Store on Amazon](#).

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This manual is for informational purposes only. SOLO is not responsible for damages resulting from improper installation or use.

### Related Documents - 0610411-K

	<p><a href="#">SOLO Backpack and Handheld Sprayer Service Manual (Models 425-485, 456-457)</a></p> <p>Comprehensive service manual for SOLO backpack and handheld sprayers, covering models 425, 435, 475, 485, 456, and 457. Includes technical data, operating descriptions, troubleshooting guides, and detailed repair instructions for piston pumps, diaphragm pumps, pressure cylinders, and shut-off valves.</p>
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	<p><a href="#">SOLO 442 Battery Backpack Sprayer: User Manual and Operating Instructions</a></p> <p>Comprehensive user manual for the SOLO 442 Battery Backpack Sprayer. Learn about safe operation, assembly, maintenance, and technical specifications for this cordless garden and agricultural tool.</p>
	<p><a href="#">SOLO 442 Battery Backpack Sprayer - User Manual and Technical Guide</a></p> <p>Comprehensive user manual and technical guide for the SOLO 442 Battery Backpack Sprayer, covering operation, safety, assembly, maintenance, and specifications. Includes EC declarations of conformity.</p>
	<p><a href="#">SOLO 442 Battery Backpack Sprayer User Manual</a></p> <p>Comprehensive user manual for the SOLO 442 Battery Backpack Sprayer by SOLO KLEINMOTOREN GmbH. Covers safe operation, assembly, maintenance, and technical specifications for garden and agricultural use.</p>
	<p><a href="#">SOLO 260 Handheld Battery Sprayer User Manual and Safety Guide</a></p> <p>Comprehensive user manual and safety instructions for the SOLO 260 handheld battery sprayer, covering operation, maintenance, safety precautions, and technical specifications.</p>
	<p><a href="#">SOLO 442 Battery Backpack Sprayer User Manual and Technical Specifications</a></p> <p>Comprehensive user manual and technical specifications for the SOLO 442 Battery Backpack Sprayer, covering operation, safety, maintenance, and product details. Includes assembly, usage instructions, and technical data.</p>