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DELTA 9178-DST

Delta Leland 9178-DST Chrome Kitchen Faucet Instruction Manual

Model: 9178-DST

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Delta Leland 9178-DST Chrome Kitchen Faucet. Please read all instructions carefully before beginning installation and retain this manual for future reference.



Image 1.1: The Delta Leland 9178-DST Chrome Kitchen Faucet with its distinctive high-arc spout and single handle.

2. PRODUCT FEATURES

The Delta Leland 9178-DST faucet incorporates several technologies designed for enhanced performance and

durability:

- **MagnaTite® Docking:** A powerful integrated magnet secures the pull-down spray wand precisely in place, ensuring it stays docked when not in use.
- **ShieldSpray® Technology:** This feature provides a concentrated jet of water within a protective sphere to clean stubborn messes while containing splatter, reducing cleanup time.
- **DIAMOND™ Seal Technology:** Utilizes a patented design to reduce leak points and ensure leak-free operation for the life of the faucet, lasting twice as long as the industry standard.
- **Touch-Clean® Spray Holes:** Soft, rubber spray holes allow for easy wiping away of calcium and lime build-up with a simple touch.
- **Corrosion-Resistant Finish:** The Brilliance® finish is engineered for durability and tested to resist corrosion, cracking, peeling, chipping, blistering, or color change over time.
- **Single Handle Operation:** Provides precise control over water temperature and volume.
- **Pull-Down Sprayer:** Offers extended reach and flexibility for various kitchen tasks.



Image 2.1: Illustration of the MagnaTite® Docking system, showing the magnetic connection that secures the spray wand.



Image 2.2: Visual representation of ShieldSpray® Technology, demonstrating how a concentrated jet cleans while containing splatter.

**LASTS
2X
LONGER**
— THAN —
INDUSTRY STANDARD*

DIAMOND™ Valve eliminates wear on seals ensuring **LEAK-FREE OPERATION** for the life of the faucet

InnoFlex® PEX supply lines are integrated into the faucet for **ONE LESS LEAK POINT**

*Industry standard is based on ASME A112.18.1 of 500,000 cycles

A cutaway diagram of a Delta faucet. The diagram shows the internal components, including the DIAMOND™ Valve and the InnoFlex® PEX supply lines. The Delta logo is visible in the top right corner. Two white circles with lines pointing to them highlight the DIAMOND™ Valve and the InnoFlex® PEX supply lines.

Image 2.3: Diagram illustrating the internal DIAMOND™ Valve, highlighting its role in leak-free operation and extended lifespan.

3. SETUP AND INSTALLATION

The Delta Leland 9178-DST faucet is designed for easy installation in 1 or 3-hole 8-inch center installations. An

optional deck plate is included to cover pre-existing holes.

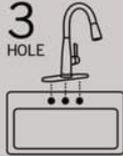
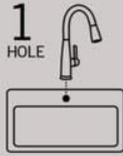
3.1 Pre-Installation Checklist

- Ensure all necessary parts are present (refer to packaging contents).
- Turn off the main water supply before beginning.
- Clear the area under the sink for access.
- Gather required tools (e.g., adjustable wrench, screwdriver, plumber's putty or silicone sealant).

3.2 Installation Steps

1. **Prepare the Sink:** If using a 3-hole sink, place the optional deck plate over the holes. Apply plumber's putty or silicone sealant around the base of the faucet or deck plate to create a watertight seal.
2. **Mount the Faucet:** Insert the faucet body through the hole(s) in the sink or deck plate. From underneath the sink, secure the faucet with the provided mounting hardware (washer and mounting nut). Tighten securely.
3. **Connect Water Supply Lines:** Connect the integrated supply lines from the faucet to your hot and cold water supply valves. Ensure connections are tight but do not overtighten.
4. **Install Weight:** Attach the weight to the pull-down hose at the indicated position. This ensures proper retraction of the spray wand.
5. **Flush Lines:** Before first use, ensure the spray wand is docked. Turn on the main water supply. With the faucet handle in the open position, allow water to run for a few minutes to flush out any debris from the lines.
6. **Check for Leaks:** Inspect all connections for leaks. Tighten any leaking connections as needed.

HOLES FOR INSTALLATION



ADDITIONAL INFORMATION

MINIMUM CLEARANCE TO BACKSPASH
2.5 inches

SUPPLY LINES
Included

HOLE SIZE
1.38 inches

WATER SUPPLY CONNECTION
.375 inches



DIMENSIONS



Image 3.1: Detailed dimensions of the faucet, including height, spout reach, and hole size requirements for installation. It also shows options for 1-hole or 3-hole installation with the included deck plate.

4. OPERATION

Operating your Delta Leland faucet is straightforward:

- **Water Flow and Temperature:** The single handle controls both water flow and temperature. Move the handle up to increase flow and down to decrease. Move it left for hot water and right for cold water.
- **Pull-Down Sprayer:** Grasp the spray wand and pull it down from the spout. The flexible hose allows for extended reach.
- **Spray Modes:** Press the button on the spray wand to switch between stream and spray modes.
- **Docking:** When finished, guide the spray wand back into the spout. The MagnaTite® docking system will securely hold it in place.



see what Delta can do™



Image 4.1: The pull-down sprayer extended, demonstrating the 20-inch hose and 360-degree swivel capability. The image also highlights the Touch-Clean® spray holes.

5. MAINTENANCE

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

- **Cleaning the Faucet Finish:** Clean the chrome finish with a soft, damp cloth. Avoid abrasive cleaners, harsh chemicals, or polishes, as these can damage the finish.
- **Cleaning Touch-Clean® Spray Holes:** Periodically rub your finger across the rubber spray holes on the spray face to dislodge any mineral build-up. This helps maintain consistent spray performance.
- **Aerator Maintenance:** If water flow decreases, the aerator may be clogged. Unscrew the aerator from the end of the spray wand, clean any debris, and reattach.

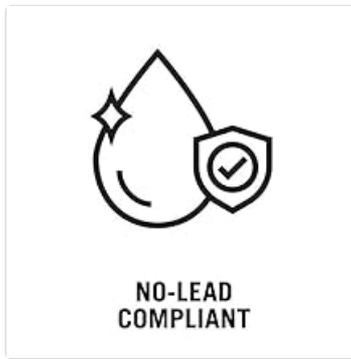


Image 5.1: A finger demonstrating the ease of cleaning the Touch-Clean® spray holes by simply wiping away mineral deposits.

6. TROUBLESHOOTING

If you encounter issues with your faucet, refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
Reduced Water Flow	Clogged aerator or debris in supply lines.	Clean the aerator. Flush supply lines by disconnecting them from the faucet and running water into a bucket.
Leaking at Faucet Base	Loose mounting nut or improper seal.	Ensure the mounting nut under the sink is tight. Reapply plumber's putty or silicone sealant if necessary.
Spray Wand Does Not Retract Fully	Weight on hose is misplaced or obstructed.	Check the position of the weight on the hose under the sink and ensure it moves freely without obstruction.
Water Temperature Issues	Supply lines reversed or water heater setting.	Verify hot and cold supply lines are connected correctly. Check your water heater settings.

7. SPECIFICATIONS

Feature	Detail
Brand	DELTA
Model Name	Leland®
Part Number	9178-DST
Finish Type	Chrome
Material	Zinc
Mounting Type	Deck Mount
Hole Count	1 (or 3 with included deck plate)
Number of Handles	1
Special Feature	Pull Down Sprayer

Feature	Detail
Maximum Flow Rate	1.8 Gallons Per Minute
Spout Height	7.5 Inches
Spout Reach	9.2 Inches
Hose Length	20 Inches
Item Weight	7 Pounds
Product Dimensions	11.63"D x 10.75"W x 14.88"H

8. WARRANTY INFORMATION

Delta faucets are backed by a Lifetime Limited Warranty. This warranty covers defects in material and manufacturing for as long as the original consumer purchaser owns the home in which the faucet was first installed. The finish is also warranted against defects and deterioration.

For full warranty details and terms, please refer to the official Delta Faucet warranty documentation or contact Delta customer support.



LIFETIME LIMITED WARRANTY

Image 8.1: Icon representing the Lifetime Limited Warranty provided with Delta products.

9. SUPPORT

For further assistance, technical support, or warranty claims, please contact Delta Faucet customer service.

Customer Service Phone: 1-800-345-3358



MAGNATITE®
DOCKING SYSTEM

STAYS PUT EVERY TIME

LELAND® KITCHEN FAUCET



Image 9.1: A Delta customer service representative, indicating available support for product inquiries.