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> GE Appliances WD24X10018 Dishwasher Check Valve Piston Instruction Manual

## GE WD24X10018

# GE Appliances WD24X10018 Dishwasher Check Valve Piston Instruction Manual

Genuine OEM Replacement Part for GE and Hotpoint Dishwashers

## 1. PRODUCT OVERVIEW

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The GE Appliances Check Valve Piston (Model WD24X10018) is a genuine OEM replacement part engineered to precise specifications for GE and Hotpoint dishwashers. Its primary function is to prevent water in the drain hose from flowing back into the dishwasher tub, ensuring proper drainage and hygiene.

This component is also known as the Piston & Nut Assembly and fits inside the check valve body.

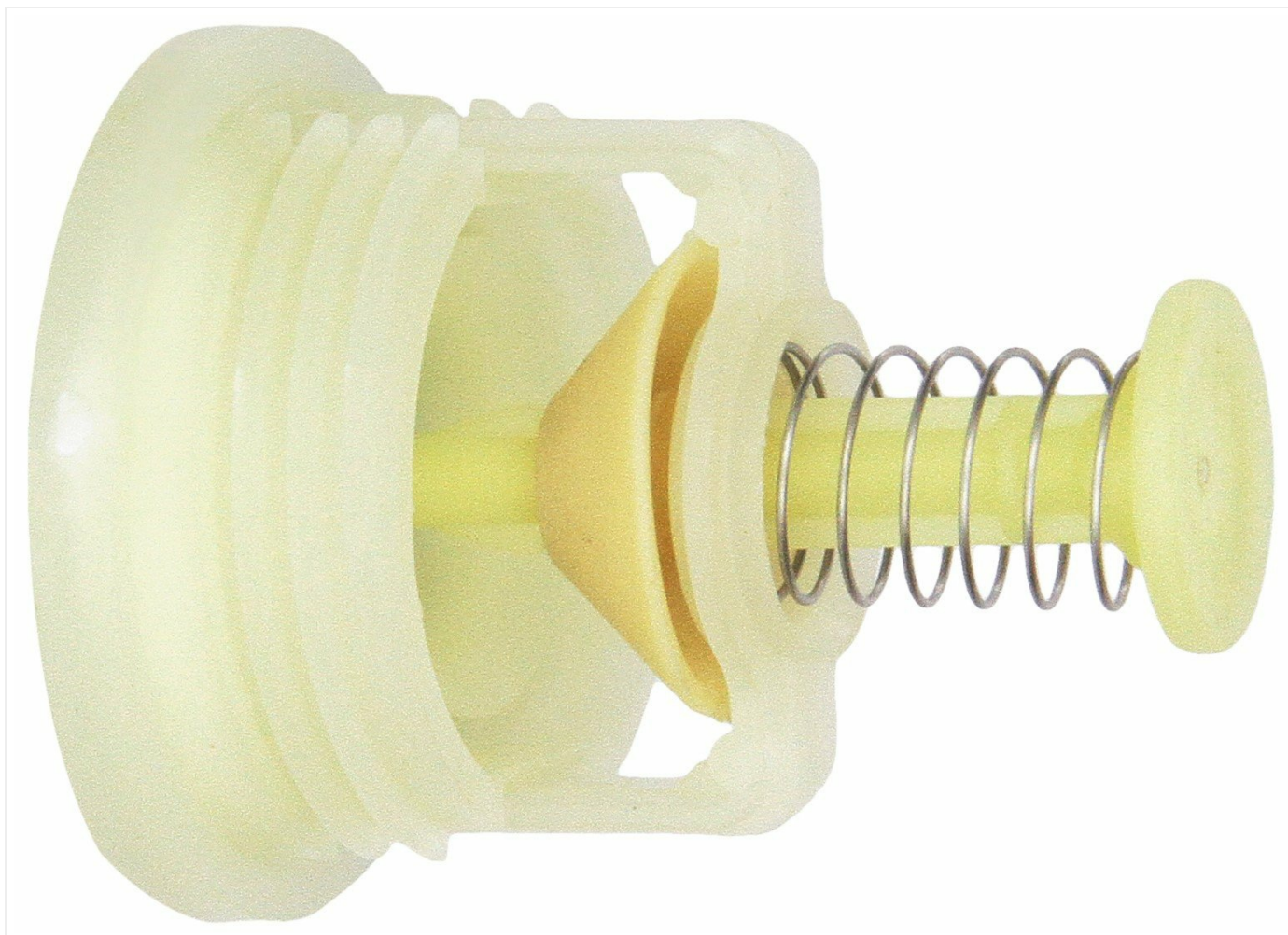


**Figure 1:** GE Appliances WD24X10018 Check Valve Piston. This image shows the genuine OEM replacement part, a small, cylindrical component with a spring mechanism, crucial for dishwasher drainage.

## 2. SAFETY INFORMATION

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Before attempting any service or repair on your dishwasher, it is imperative to prioritize safety. Failure to follow these safety guidelines may result in personal injury or damage to the appliance.

- **Disconnect Power:** Always disconnect the appliance from all utilities, including electrical power, water supply, and drain lines, before beginning any work.
- **Wear Safety Equipment:** Use appropriate safety equipment, such as gloves and eye protection, to prevent injury.
- **Consult Owner's Manual:** Refer to your dishwasher's owner's manual for specific instructions and diagrams related to your model.
- **Professional Assistance:** Some repairs may require a trained service professional. If you are unsure about any step, seek professional help.

## 3. INSTALLATION AND REPLACEMENT

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This section outlines the general procedure for replacing the check valve piston. Specific steps may vary slightly depending on your dishwasher model. Always refer to your appliance's service manual for detailed instructions.

### Tools Required:

- Screwdriver (appropriate size for filter screws, often a small hex or Phillips)
- Pliers (for gripping and unscrewing the old valve)
- Towel or sponge (for absorbing residual water)

### Procedure:

1. **Prepare the Dishwasher:** Ensure the dishwasher is empty and disconnected from power and water. Remove the lower dish rack to access the tub floor.
2. **Locate the Check Valve:** The check valve piston is typically located at the bottom of the dishwasher tub, often beneath a filter assembly. You may need to remove a spray arm or other components to gain access.
3. **Remove Filter Assembly:** Unscrew or unclip the filter assembly that covers the check valve. This usually involves a few screws or a twist-lock mechanism.
4. **Remove Old Piston:** The old check valve piston is usually screwed into place. Use pliers or an appropriate tool to carefully unscrew and remove the old piston. Note its orientation for correct installation of the new part.
5. **Clean the Area:** Clean any debris or residue from the check valve housing before installing the new piston.
6. **Install New Piston:** Carefully screw the new GE Appliances WD24X10018 Check Valve Piston into place. Ensure it is seated correctly and tightened securely, but do not overtighten.
7. **Reassemble:** Reinstall the filter assembly, spray arm, and lower dish rack.
8. **Test:** Reconnect power and water to the dishwasher. Run a short cycle to check for proper drainage and any leaks.



**Video 1:** Demonstration of a dishwasher not draining and the replacement of a check valve piston. This video illustrates the problem of standing water in the dishwasher and shows the old, deteriorated piston compared to a new replacement, highlighting the cause of drainage issues.

## 4. OPERATING INSTRUCTIONS (POST-INSTALLATION)

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After successfully replacing the check valve piston, your dishwasher should resume normal operation, including proper drainage. No special operating procedures are required beyond your appliance's standard use.

- Load dishes according to your dishwasher's guidelines.
- Add appropriate dishwasher detergent.
- Select your desired wash cycle and start the dishwasher.
- Monitor the first few cycles to ensure proper drainage and absence of leaks.

## 5. MAINTENANCE

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Regular maintenance can extend the life of your dishwasher and its components. While the check valve piston is designed for durability, periodic inspection is recommended.

- **Clean Filters:** Regularly clean your dishwasher's filters to prevent food particles and debris from accumulating and potentially affecting the check valve's function.
- **Inspect Piston:** If you notice any drainage issues, inspect the check valve piston for signs of wear, deterioration of the rubber seal, or obstruction.
- **Avoid Harsh Chemicals:** Use only dishwasher-safe detergents and cleaning agents to prevent damage to internal components, including seals and plastic parts.

## 6. TROUBLESHOOTING

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If your dishwasher is experiencing drainage problems, the check valve piston is a common culprit. Here are some troubleshooting steps:

### Symptom: Water remains in the bottom of the dishwasher tub after a cycle.

- **Check for Obstructions:** Ensure there are no large food particles or foreign objects blocking the drain or the check valve assembly.
- **Inspect the Check Valve Piston:** Remove the check valve piston (refer to Section 3) and inspect its rubber seal for deterioration, cracks, or stiffness. A worn seal will prevent proper closure and allow water to flow back.
- **Verify Piston Movement:** The piston should move freely within its housing. If it's stuck or sluggish, it may not be opening or closing correctly.
- **Replace if Damaged:** If the old piston's seal is compromised or the mechanism is faulty, replacing it with a new GE Appliances WD24X10018 part is recommended.

### Symptom: Dishwasher not cleaning dishes effectively.

- While primarily a drainage component, a faulty check valve can lead to dirty water remaining in the tub, which can affect cleaning performance. Address drainage issues first.

## 7. SPECIFICATIONS

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| Feature                     | Detail                                     |
|-----------------------------|--------------------------------------------|
| Model Number                | WD24X10018                                 |
| Brand                       | GE Appliances                              |
| Part Type                   | Check Valve Piston (Piston & Nut Assembly) |
| Material                    | Stainless Steel Or Plastic                 |
| Item Dimensions (L x W x H) | 6 x 6 x 1.7 inches                         |
| Item Weight                 | 0.01 ounces                                |

|     |              |
|-----|--------------|
| UPC | 807059025332 |
|-----|--------------|

## 8. WARRANTY AND SUPPORT

As a genuine OEM part, the GE Appliances WD24X10018 Check Valve Piston is designed for quality and compatibility. For specific warranty information regarding this replacement part, please refer to the documentation included with your purchase or contact GE Appliances customer support directly.

For further assistance or to locate authorized service providers, visit the official GE Appliances website or consult your dishwasher's owner's manual.

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