



[Manuals.plus](#) /

› [Plumb Pak](#) /

› Plumb Pak/Keeney Mfg 405310 Faucet Cartridge Replacement Stem User Manual

Plumb Pak 405310

Plumb Pak/Keeney Mfg 405310 Faucet Cartridge Replacement Stem User Manual

Model: 405310

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the Plumb Pak/Keeney Mfg 405310 Faucet Cartridge Replacement Stem. This cartridge is designed for use with hot or cold Delex type or Peerless type two-handle faucets. Please read this manual thoroughly before beginning any installation or maintenance procedures to ensure proper function and safety.

PRODUCT OVERVIEW

The Plumb Pak/Keeney Mfg 405310 is a replacement stem designed to restore proper water flow and temperature control in compatible two-handle faucets. It is a critical component for repairing leaky or malfunctioning faucets without replacing the entire fixture.



Image 1: The Plumb Pak/Keeney Mfg 405310 Faucet Cartridge Replacement Stem. This image shows the white plastic body of the cartridge with a black O-ring and a brass stem extending from the bottom, indicating its internal components.



Image 2: Packaging for the Plumb Pak/Keeney Mfg 405310 Faucet Cartridge. The red and blue carded packaging features the "Do it Best" logo and states "Faucet Cartridge" with a note "For all two-handle Delta® faucets". The model number 405310 is visible at the bottom left.

SAFETY INFORMATION

Always prioritize safety when performing plumbing work. Failure to follow these guidelines may result in property damage or personal injury.

- **Turn off water supply:** Before starting any work, locate and turn off the main water supply to the faucet or the entire house.
- **Depressurize lines:** After turning off the water, open the faucet handles to release any remaining water pressure.
- **Wear protective gear:** Use appropriate personal protective equipment, such as safety glasses and gloves.
- **Use correct tools:** Ensure you have the right tools for the job to prevent damage to the faucet or cartridge.
- **Consult a professional:** If you are unsure about any step or encounter difficulties, consult a qualified plumber.

SETUP AND INSTALLATION

Follow these steps carefully to replace your faucet cartridge.

Tools Required:

- Adjustable wrench or pliers
- Screwdriver (Phillips or flathead, depending on faucet handle screws)
- Rag or towel
- Penetrating oil (optional, for stubborn parts)

Installation Steps:

1. **Turn off Water Supply:** Locate the shut-off valves for your faucet, typically under the sink, and turn them clockwise until fully closed. If no individual valves are present, turn off the main water supply to your home.
2. **Depressurize Faucet:** Open both hot and cold faucet handles to drain any remaining water and relieve pressure in the lines.
3. **Remove Faucet Handles:**
 - Carefully pry off any decorative caps or covers on the faucet handles to expose the retaining screws.
 - Use a screwdriver to loosen and remove the screws.
 - Lift the faucet handles off the stem.
4. **Remove Trim and Escutcheon (if applicable):** Depending on your faucet model, you may need to remove a decorative trim ring or escutcheon plate to access the cartridge. These are often threaded or held by small screws.
5. **Remove Old Cartridge:**
 - Identify the retaining nut or clip holding the cartridge in place. Use an adjustable wrench or pliers to carefully unscrew the retaining nut. If it's a clip, use a screwdriver to pry it out.
 - Gently pull the old cartridge straight out of the faucet body. If it's stuck, try wiggling it or applying penetrating oil. Note the orientation of the old cartridge for correct installation of the new one.
6. **Install New Cartridge:**

- Ensure the faucet body is clean and free of debris.
 - Insert the new Plumb Pak/Keeney Mfg 405310 cartridge into the faucet body, ensuring it is correctly oriented. The notches or flat sides on the cartridge should align with those in the faucet body.
 - Secure the cartridge with the retaining nut or clip, tightening it firmly but without over-tightening.
7. **Reassemble Faucet:** Reattach the trim, escutcheon, and faucet handles in reverse order of removal. Ensure screws are snug.
 8. **Restore Water Supply and Test:** Slowly turn the water supply valves back on. Check for leaks around the faucet base and handles. Operate the faucet handles to ensure proper water flow and temperature control.

OPERATING INSTRUCTIONS

Once installed, the Plumb Pak/Keeney Mfg 405310 Faucet Cartridge Replacement Stem functions as the core mechanism for controlling water flow and temperature in your two-handle faucet. Each handle operates a separate cartridge (hot or cold).

- **Water Flow:** Turning the handle (typically counter-clockwise for on, clockwise for off) will open or close the cartridge, allowing water to flow or stop.
- **Temperature Control:** The hot and cold cartridges work independently. Adjusting both handles allows you to mix hot and cold water to achieve your desired temperature.

Proper operation relies on the smooth movement of the faucet handles, which is directly controlled by the cartridge's internal components.

MAINTENANCE

Regular maintenance is not typically required for faucet cartridges themselves, as they are sealed units. However, proper care of your faucet can extend the life of the cartridge and prevent future issues.

- **Check for Leaks:** Periodically inspect the faucet for any signs of leaks around the handles or spout. Address minor drips promptly to prevent further damage.
- **Clean Faucet Exterior:** Clean the exterior of your faucet regularly with a mild cleaner and soft cloth to prevent mineral buildup that could affect handle operation.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners or harsh chemicals on your faucet, as these can damage finishes and potentially affect internal components.
- **Water Quality:** In areas with hard water, mineral deposits can accumulate over time. While the cartridge is designed to be durable, extreme mineral buildup can affect its performance. Consider water softening solutions if this is a persistent issue.

TROUBLESHOOTING

If you encounter issues after installing the replacement cartridge, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Faucet still drips or leaks after replacement.	<ul style="list-style-type: none"> • Cartridge not fully seated or aligned. • Retaining nut/clip not tightened sufficiently. • Damaged O-rings on the new cartridge (unlikely for new). • Incorrect cartridge type for your faucet. 	<ul style="list-style-type: none"> • Re-check cartridge alignment and seating. • Ensure retaining nut/clip is snug. • Verify the cartridge is the correct model for your faucet.
No water flow or reduced flow.	<ul style="list-style-type: none"> • Water supply valves not fully open. • Aerator clogged with debris. • Cartridge not fully open or incorrectly installed. 	<ul style="list-style-type: none"> • Ensure water supply valves are completely open. • Remove and clean the faucet aerator. • Re-check cartridge installation and handle operation.
Handle is stiff or difficult to turn.	<ul style="list-style-type: none"> • Cartridge not properly lubricated (though new ones are pre-lubricated). • Handle or trim components are too tight. • Incorrect cartridge type. 	<ul style="list-style-type: none"> • Loosen handle screws or trim slightly. • Ensure correct cartridge type is used.

If these troubleshooting steps do not resolve the issue, it is recommended to contact a qualified plumber or the manufacturer for further assistance.

SPECIFICATIONS

Model Number:	405310
Brand:	Plumb Pak / Keeney Mfg
Compatibility:	Hot or cold Delex type or Peerless type 2-handle faucets
Item Weight:	1 pounds
Product Dimensions:	6 x 1 x 1 inches
Included Components:	Faucet cartridge
Manufacturer:	Plumb Pak/Keeney Mfg
Country of Origin:	Taiwan

WARRANTY AND SUPPORT

Warranty information for the Plumb Pak/Keeney Mfg 405310 Faucet Cartridge Replacement Stem is typically provided by the manufacturer or the retailer at the time of purchase. Please refer to your purchase documentation or the manufacturer's official website for specific warranty terms and conditions.

For technical support or further assistance, please contact Plumb Pak/Keeney Mfg directly through their official customer service channels. Contact information can usually be found on their website or product

packaging.