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## SharkBite 25754

# SharkBite Stem Repair Kit Instruction Manual

Model: 25754

## PRODUCT OVERVIEW

This manual provides instructions for the SharkBite Stem Repair Kit, designed for 15-inch frost-free sillcocks with an 18-inch overall stem length. This kit is an original equipment manufacturer (OEM) part, intended to simplify plumbing repairs by offering a durable and reliable solution for damaged sillcock stems. It facilitates quick and easy installation without requiring specialized tools or soldering.



Figure 1: Components of the SharkBite Stem Repair Kit, including the brass stem and O-rings.

Rated to 200 Degree F. Use  
in Potable water and  
Hydronic Heating  
applications



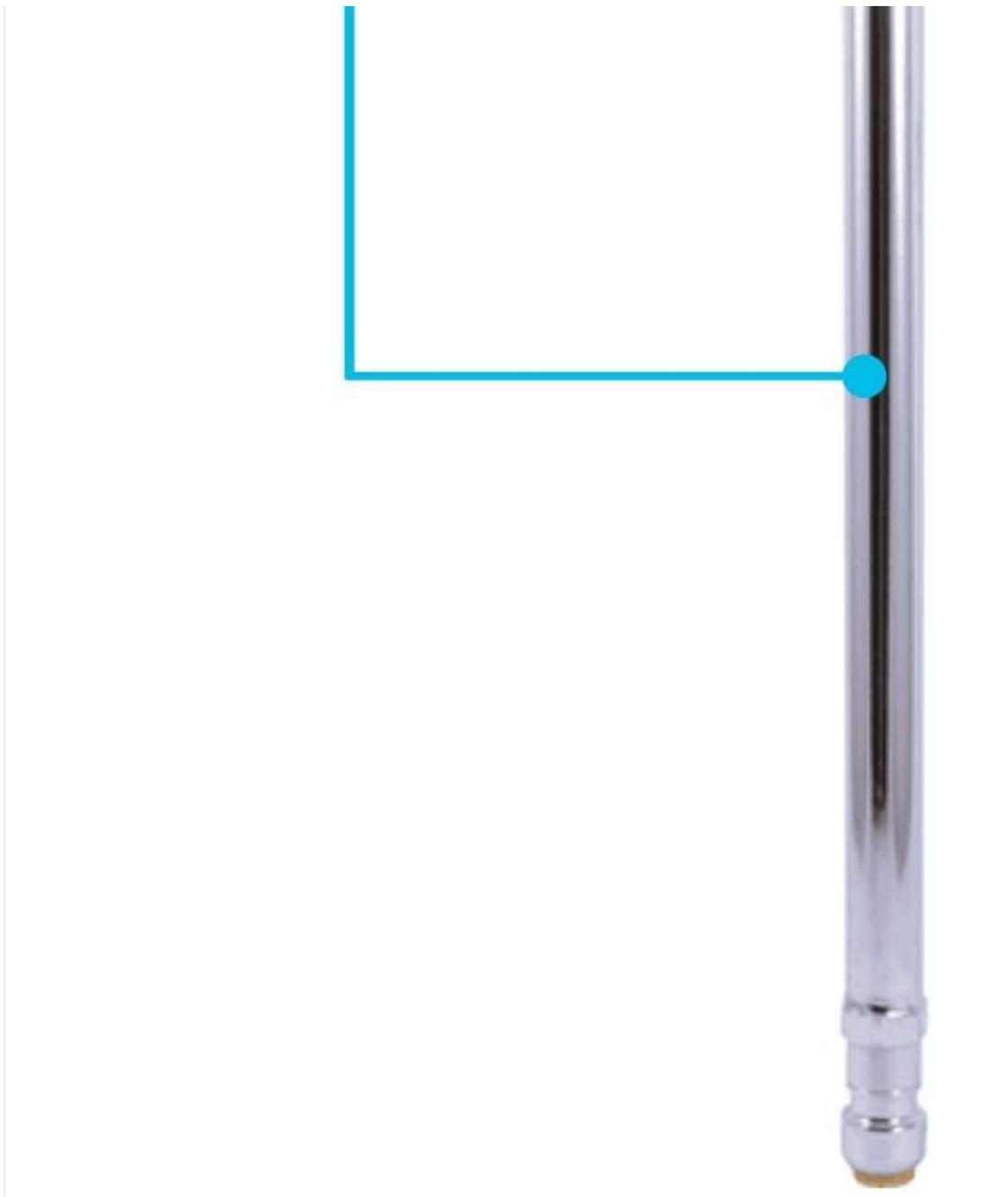


Figure 2: Illustration of a frost-free sillcock, highlighting the stem's position and its suitability for potable water and hydronic heating systems up to 200°F.

## INSTALLATION INSTRUCTIONS

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This section outlines the steps for installing the SharkBite Stem Repair Kit. Ensure the main water supply is turned off before beginning any plumbing work.

1. **Prepare the Work Area:** Turn off the main water supply to the building. Open a faucet at the lowest point in the house to drain the water lines.
2. **Remove the Old Stem:**
  - Locate the existing sillcock. Using a Phillips screwdriver, remove any screws securing the handle to the stem.
  - Carefully remove the handle.
  - Using an adjustable wrench or pipe wrench, unscrew the old stem from the sillcock body. Some models may require pliers or a specific tool to grip and turn the stem.
  - Once loosened, pull the old stem completely out of the sillcock.

- 3. Inspect and Clean:** Inspect the interior of the sillcock body for any debris, mineral deposits, or damage. Clean as necessary to ensure a smooth installation of the new stem.
- 4. Install the New Stem:**
  - Ensure the new SharkBite stem has all necessary O-rings and seals in place as supplied with the kit.
  - Carefully insert the new stem into the sillcock body, aligning the threads.
  - Hand-tighten the stem initially, then use an adjustable wrench or pipe wrench to tighten it securely. It is crucial for the stem to be snug to prevent leaks. Do not overtighten, as this can damage the threads or seals.
- 5. Reattach the Handle:** Place the sillcock handle back onto the new stem and secure it with the Phillips head screw(s) removed earlier.
- 6. Restore Water Supply:** Slowly turn the main water supply back on. Check for any leaks around the sillcock.

## POST-INSTALLATION CHECKS

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After installing the repair kit, perform the following checks to ensure proper function and prevent issues:

- **Leak Detection:** Visually inspect the sillcock and surrounding connections for any signs of water leaks immediately after restoring water pressure. Pay close attention to the area where the stem enters the sillcock body.
- **Functionality Test:** Slowly open and close the sillcock handle several times to ensure smooth operation and complete shut-off of water flow.
- **Flow Rate Check:** Verify that the water flow from the sillcock is consistent and adequate when fully open.
- **Frost-Free Operation (Seasonal):** For frost-free sillcocks, ensure that the water drains completely from the pipe when the valve is closed, especially before freezing temperatures. This is critical for preventing burst pipes.

## MAINTENANCE

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Regular maintenance helps extend the life of your sillcock and prevents future issues:

- **Annual Inspection:** Annually inspect the sillcock for any signs of wear, corrosion, or leaks. Check the handle for looseness and tighten if necessary.
- **Winterization:** Before the first frost, ensure all hoses are disconnected from the sillcock. For frost-free models, verify that the internal valve drains properly when closed. If your sillcock is not frost-free, ensure it is completely drained and shut off from the inside.
- **Lubrication:** If the handle becomes stiff, a small amount of silicone-based lubricant can be applied to the stem threads (if accessible) to improve operation. Avoid petroleum-based lubricants as they can degrade rubber seals.
- **Avoid Overtightening:** When turning the handle, avoid excessive force. Overtightening can prematurely wear out the internal components and seals.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Water leaks from the sillcock handle or stem.	Loose packing nut, worn O-rings, or improper stem installation.	Ensure the stem is tightened securely. If leaks persist, the O-rings may need to be re-seated or replaced. Verify the correct stem length was used for your sillcock.

Problem	Possible Cause	Solution
Water continues to drip from the spout when closed.	Damaged washer at the end of the stem or debris preventing full closure.	The repair kit includes new sealing components. Ensure these are correctly installed. If the issue persists, inspect the sillcock body for internal damage or obstructions.
Sillcock handle is stiff or difficult to turn.	Lack of lubrication or mineral buildup.	Apply a small amount of silicone grease to the stem threads. If mineral buildup is suspected, the sillcock may need to be disassembled and cleaned.
No water flow or reduced flow.	Main water supply off, clogged aerator (if present), or internal obstruction.	Check the main water supply valve. Clean or replace the aerator. If the problem persists, there might be an obstruction within the sillcock or supply line.

## SPECIFICATIONS

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- **Model Number:** 25754
- **Compatible Sillcock Size:** 15 inches (frost-free)
- **Overall Stem Length:** 18 inches
- **Material:** Metal (Brass)
- **Connector Type:** Push-to-Connect (for compatible sillcocks)
- **Thread Size:** 15 inch (referring to sillcock compatibility)
- **Thread Type:** 1/2 inch NPT
- **Item Dimensions (L x W x H):** 19.97 x 0.13 x 5.01 inches
- **Item Weight:** 4.8 ounces
- **Manufacturer:** Cash Acme (for SharkBite)
- **UPC:** 697285257542
- **Included Components:** Repair Kit (stem and seals)

## WARRANTY INFORMATION

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Specific warranty details for the SharkBite Stem Repair Kit are typically provided with the product packaging or can be found on the official SharkBite website. Please refer to these resources for the most accurate and up-to-date warranty terms and conditions.

## CUSTOMER SUPPORT

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For technical assistance, installation questions, or to report issues with your SharkBite Stem Repair Kit, please visit the official SharkBite website or contact their customer service department. Contact information is usually available on the product packaging or the manufacturer's website.

You can also visit the [SharkBite Store on Amazon](#) for more product information and resources.



