Installation Instructions

Valve Trim

Record your model number:
Noter le numéro de modèle:
Anote su número de modelo: _____

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KOHLER®

1553363-2-**A**

Thank You for Choosing KOHLER

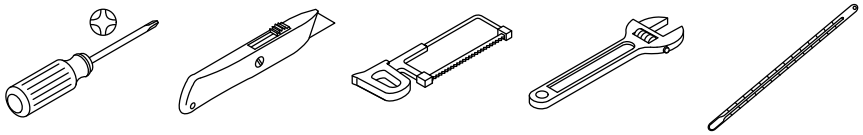
Need help? Contact our Customer Care Center.

- USA/Canada: 1-800-4KOHLER (1-800-456-4537) Mexico: 001-800-456-4537
- **Service parts:** kohler.com/serviceparts
- **Care and cleaning:** kohler.com/clean
- **Patents:** kohlercompany.com/patents

Warranty

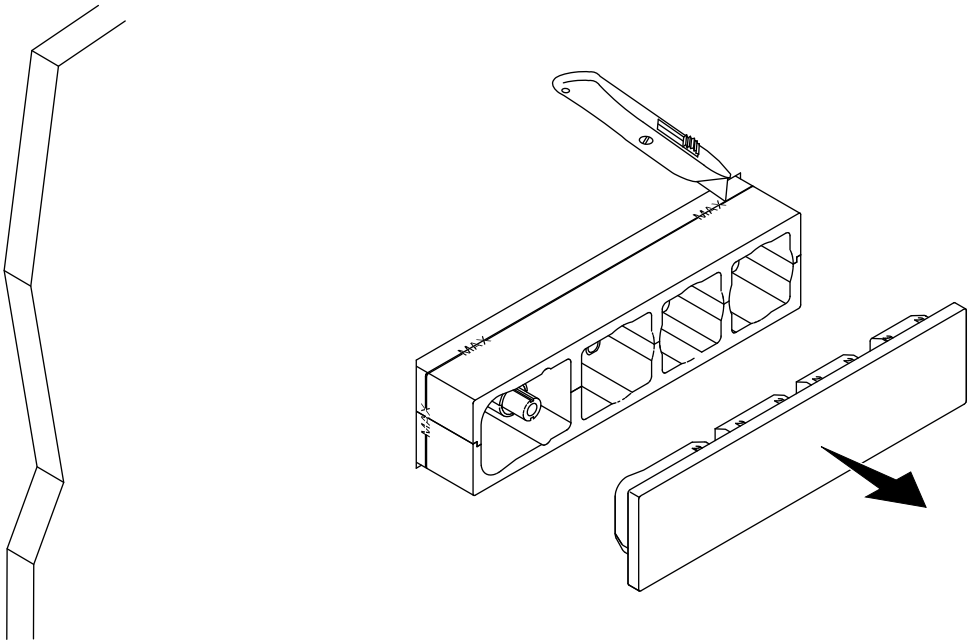
This product is covered under the **KOHLER® Faucet Lifetime Limited Warranty**, found at kohler.com/warranty. For a hardcopy of warranty terms, contact the Customer Care Center.

Tools and Materials



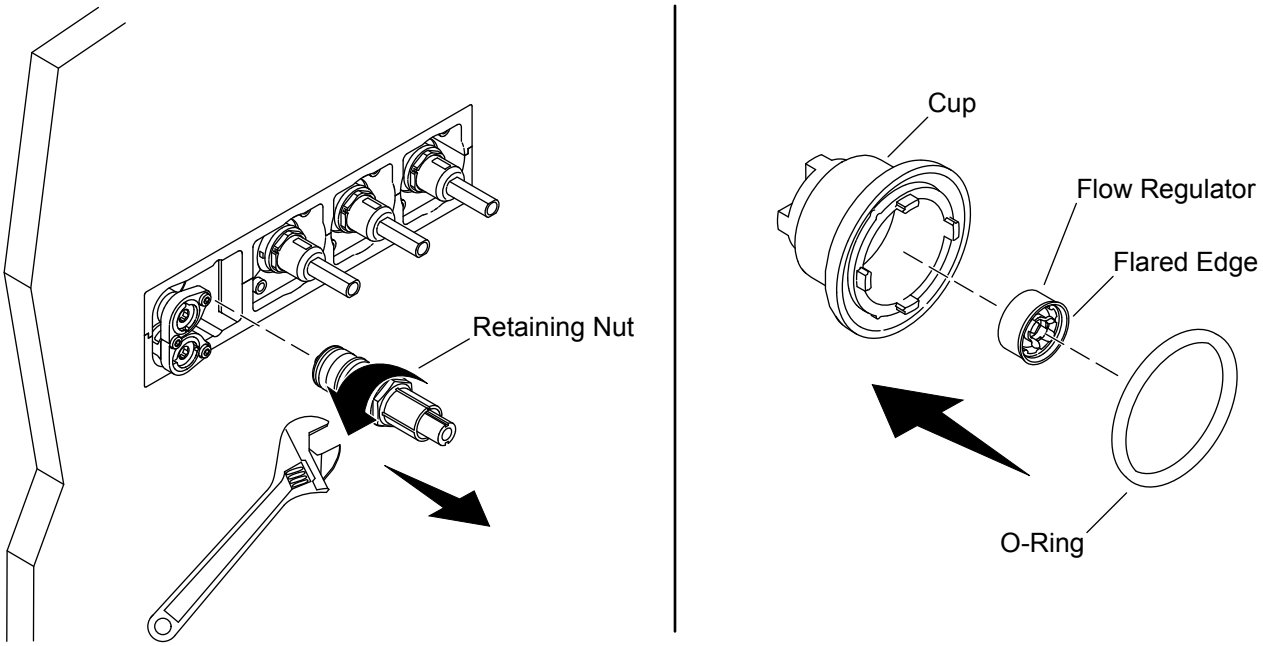
Thermometer

1. Trim the Guard



- ☐ Remove the protective cover.
- ☐ Trim the foam guard flush with the finished wall.

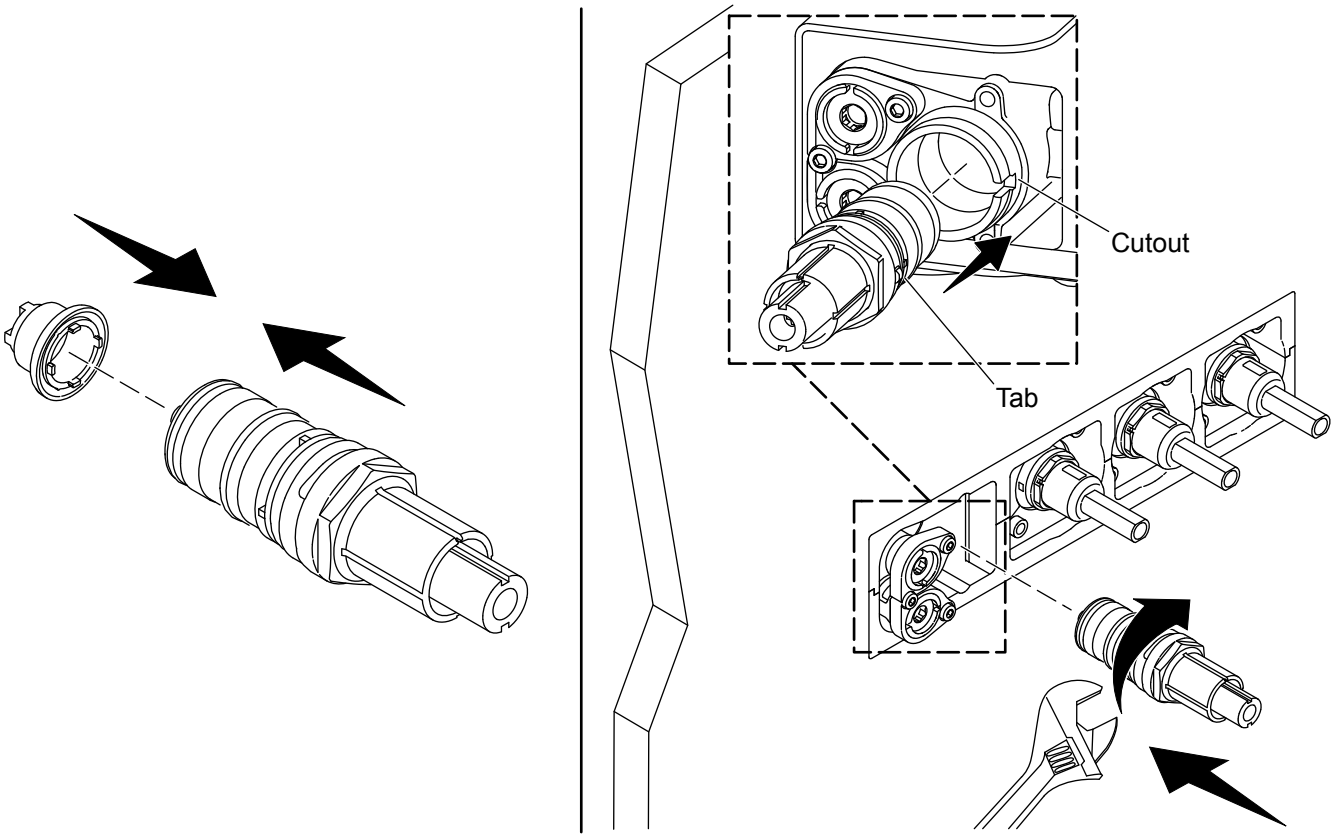
2. Assemble the Flow Regulator



NOTE: Sections 2 and 3 are only required for regions with a minimum flow restriction of 1.8 gpm (6.8 lpm) per shower. If the region the valve is installed in does not have this restriction, continue to the "Install the Mounting Frame" section.

- ☐ Turn OFF the water supply to the valve.
- ☐ Open the outlets to release the pressure in the valve.
- ☐ Loosen the retaining nut on the thermostatic cartridge.
- ☐ Pull the cartridge straight out from the valve.
- ☐ Locate the spare kit that contains the cup, flow regulator, and O-ring.
- ☐ Position the flared edge of the flow regulator outward and press into the cup.
- ☐ Install the O-ring into the groove in the cup.

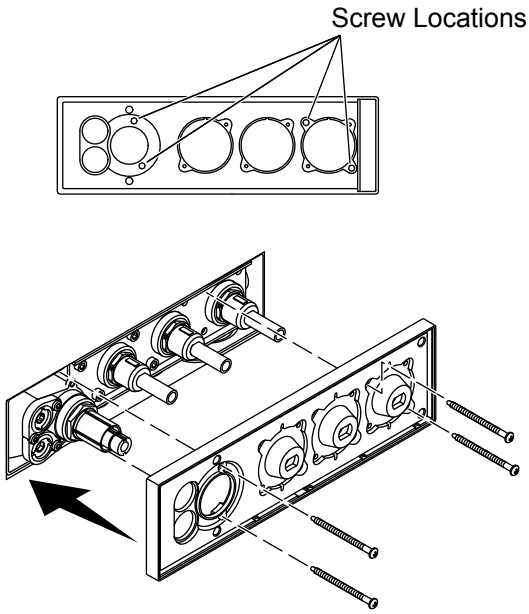
3. Install the Flow Regulator

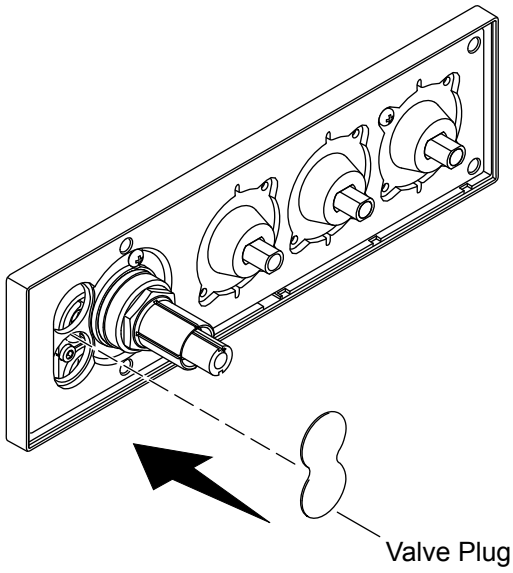


NOTE: Verify that the tab on the thermostatic cartridge is aligned with the cutout in the valve body when reinstalling.

- ☐ Install the cup to the back of the thermostatic cartridge by engaging the four tabs into the notches on the cartridge.
- ☐ Push the cartridge into the valve body.
- ☐ Thread the nut to secure the cartridge.

4. Install the Mounting Frame

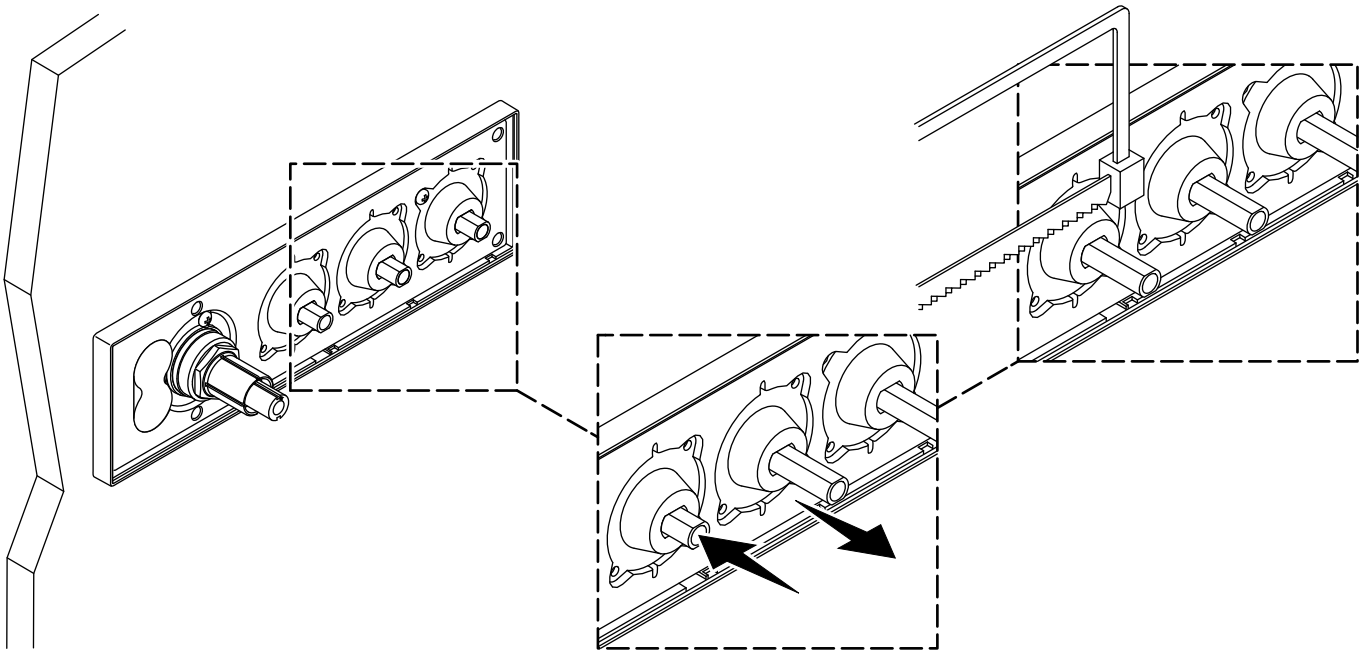




☐ Attach the mounting frame to the valve using the four provided screws.

☐ Press the valve plug onto the cartridge opening.

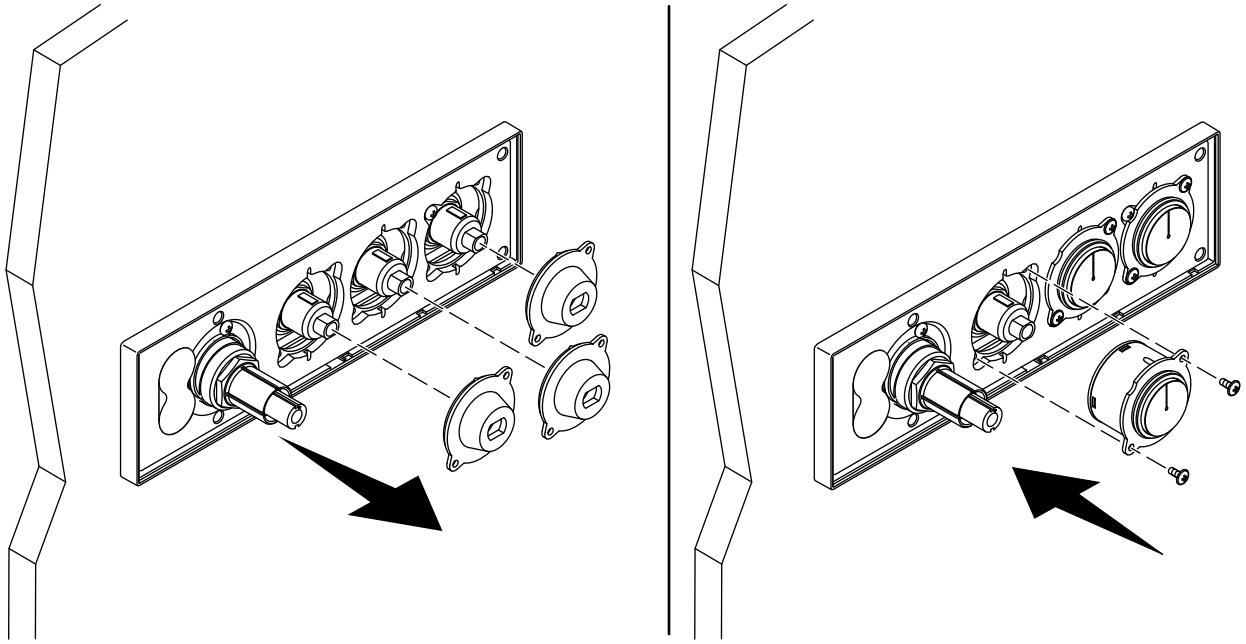
5. Trim the Stems



☐ Press the valve stems so that each one is in the extended position.

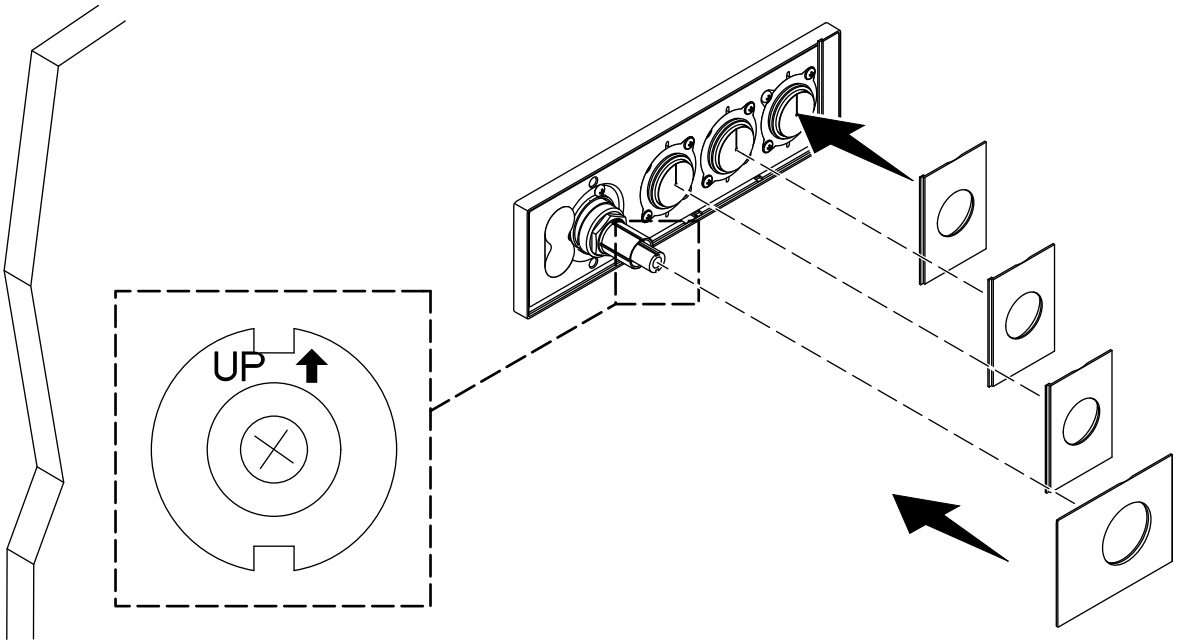
☐ Trim each valve stem flush with the trim guides.

6. Install the Buttons



- ☐ Remove the trim guides and retain the screws.
- ☐ Install the buttons with the previously retained screws.
- ☐ Verify that the line on the button is oriented up when installed.

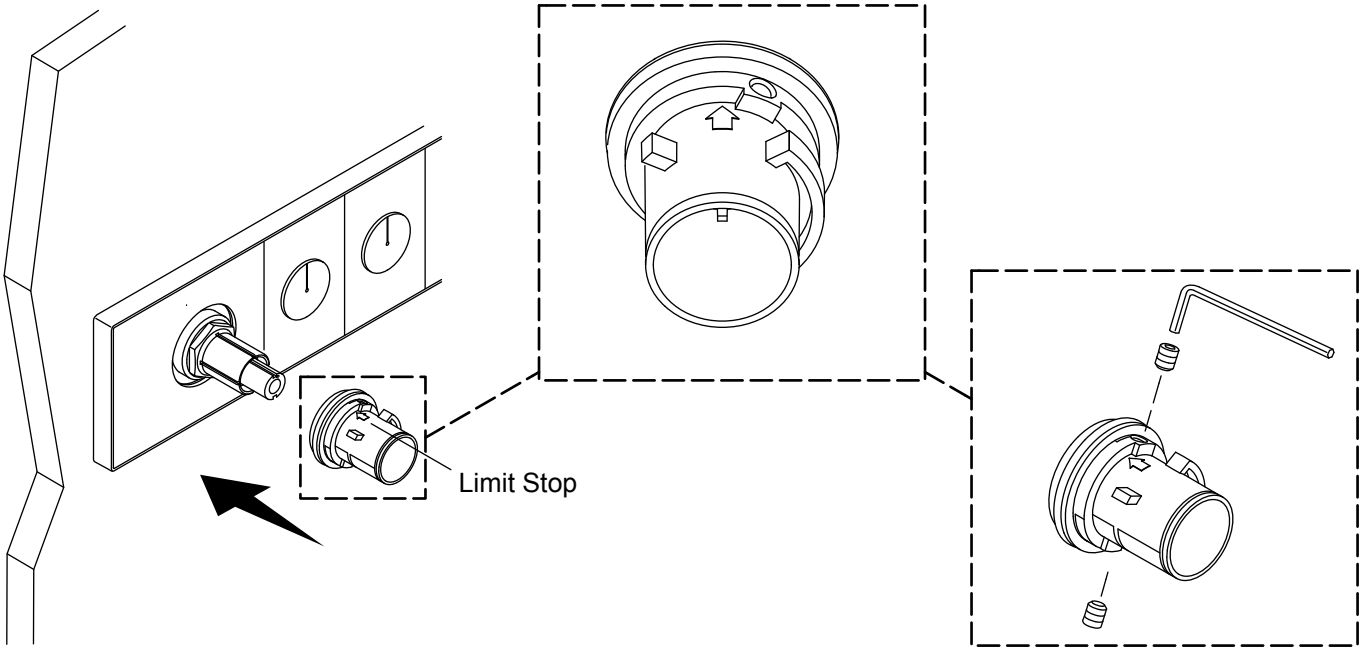
7. Install the Trim Tiles



NOTE: The trim tiles for the outlet buttons contain icons that correspond to specific shower fittings. Position the proper trim tile over the outlet button for the corresponding fitting.

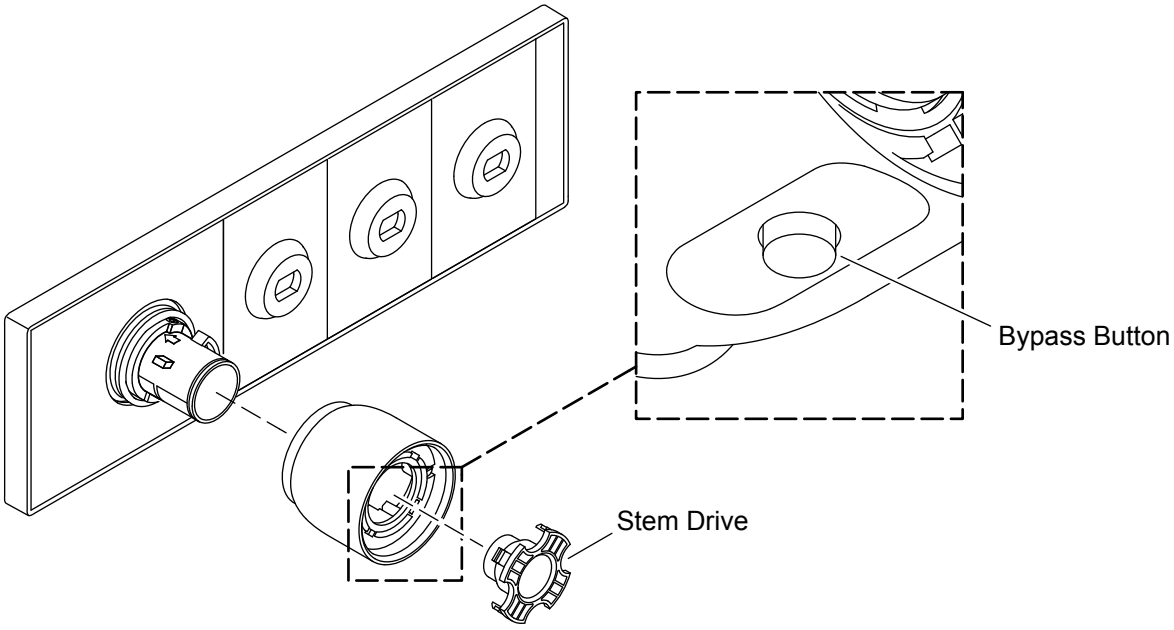
- ☐ Align the proper trim tile over the outlet button on the right side of the valve.
- ☐ Snap the trim tile into place.
- ☐ Install the remaining trim tiles over the corresponding outlet buttons.
- ☐ Verify that the word "UP" on the stem extension is positioned up.
- ☐ Install the large trim tile for the control knob over the thermostatic cartridge.
- ☐ Verify that all the trim tiles are snapped into place.

8. Install the Limit Stop



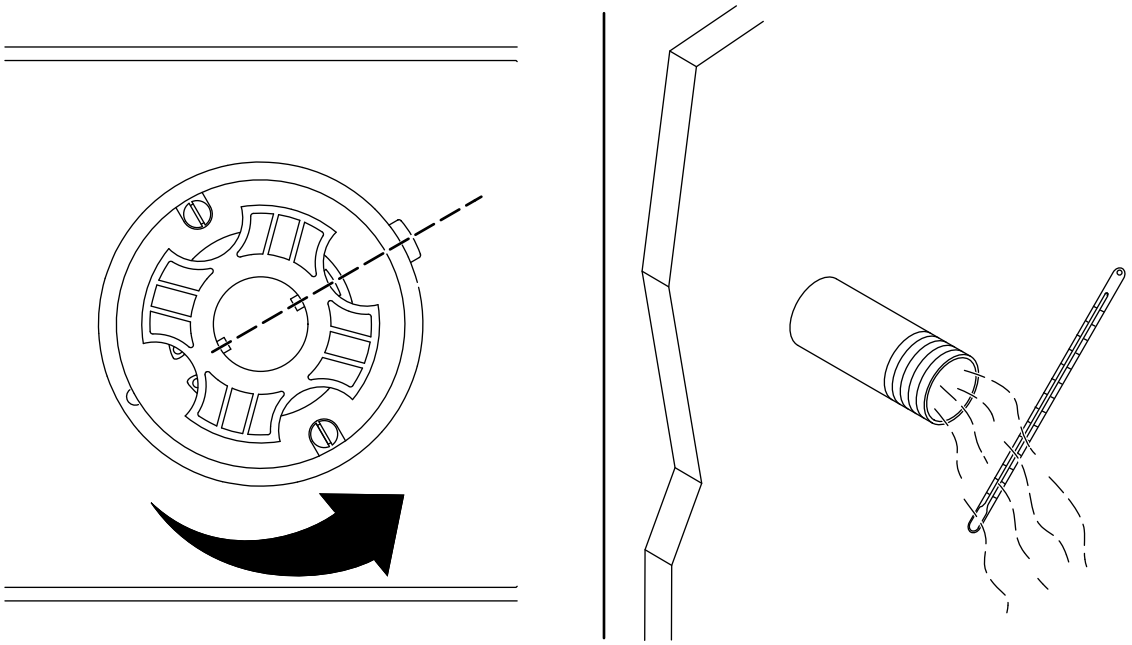
- ☐ Orient the limit stop so that the tabs are in the ten and two o'clock positions.
- ☐ Secure the limit stop setscrews with the provided 2-1/2 mm hex wrench.

9. Install the Control Knob



- ☐ Position the control knob on the limit stop with the bypass button pointing down.
- ☐ Press the stem drive onto the control knob.

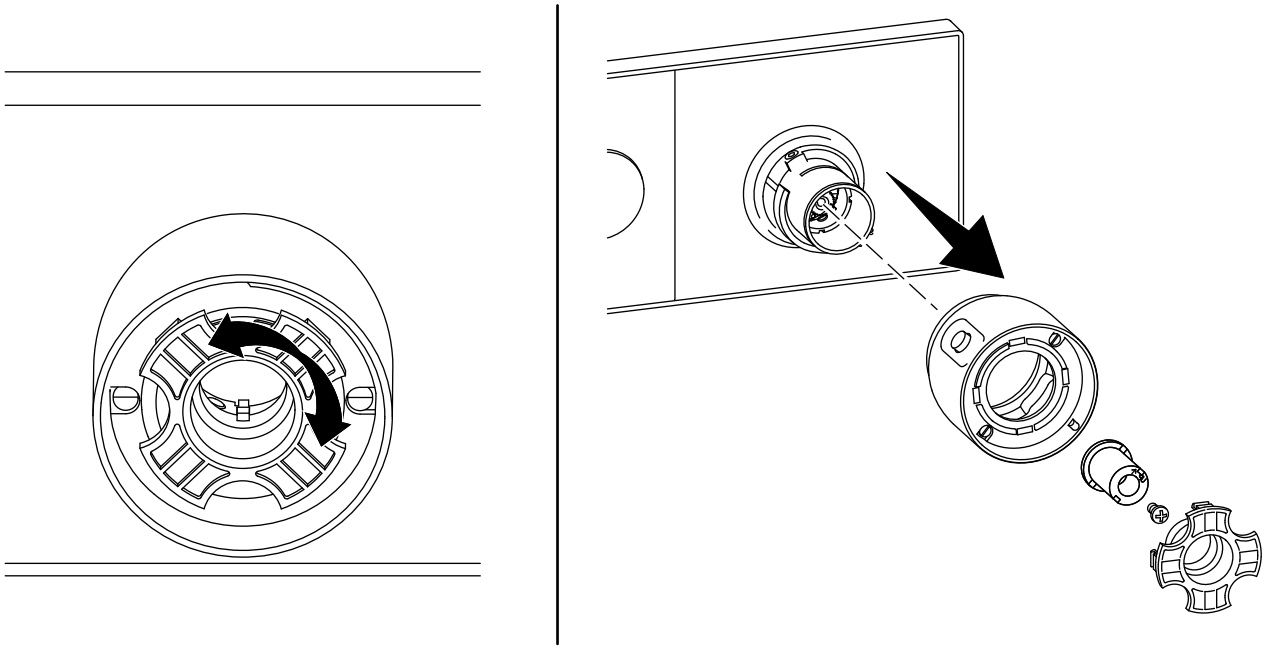
10. Check the Water Temperature



⚠ **WARNING: Risk of personal injury.** If the water temperature is set too high, scalding will occur. The water temperature should never be set above 120°F (49°C).

- ☐ Rotate the control knob counterclockwise until the knob stops and the bypass button is in the two o'clock position.
- ☐ Press one of the outlet buttons to turn ON the water.
- ☐ Allow the water to flow for several minutes to stabilize the water temperature.
- ☐ Hold a thermometer in the water stream to check the temperature.
- ☐ If the water temperature stabilizes at or just below 120°F (49°C), continue to the "Install the Control Knob Components" section.

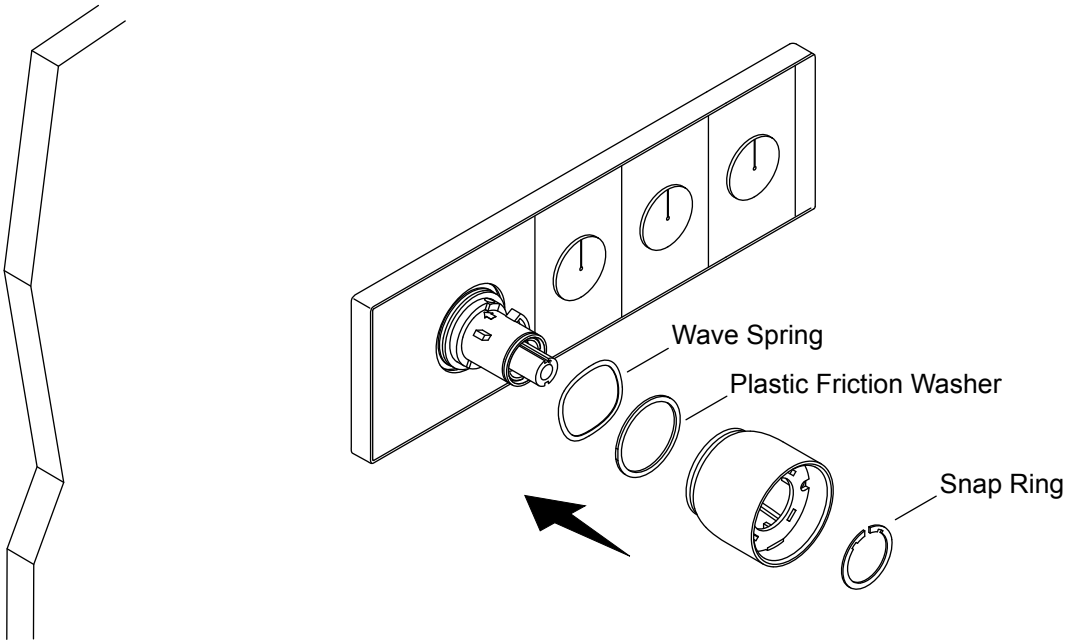
11. Set the Water Temperature



NOTE: The following step is only required if the water temperature at the high temperature limit stop is too low or exceeds 120°F (49°C).

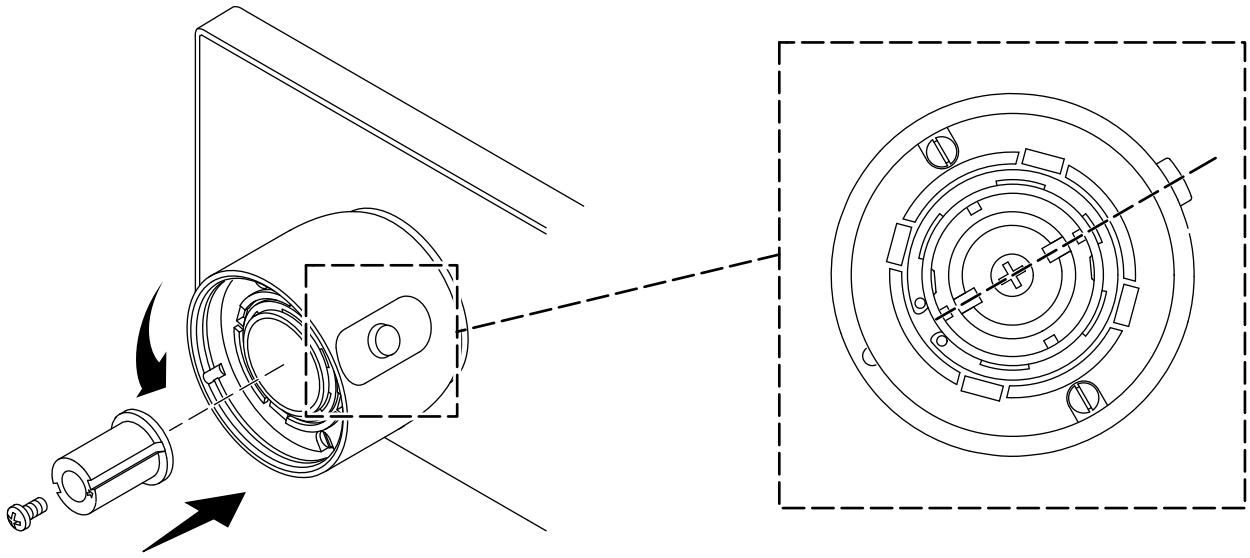
- ☐ Remove the control knob from the valve.
- ☐ Separate the stem drive from the control knob.
- ☐ Using the stem drive, rotate the stem extension to increase or decrease the water temperature until the temperature stabilizes at or just below 120°F (49°C).
- ☐ Remove the stem drive, screw, and stem extension once the desired water temperature is reached.
- ☐ Turn OFF the water.

12. Install the Control Knob Components



- ☐ Remove the control knob from the valve.
- ☐ Install the wave spring and the plastic friction washer.
- ☐ Reinstall the control knob with the bypass button pointing down.
- ☐ Install the snap ring.

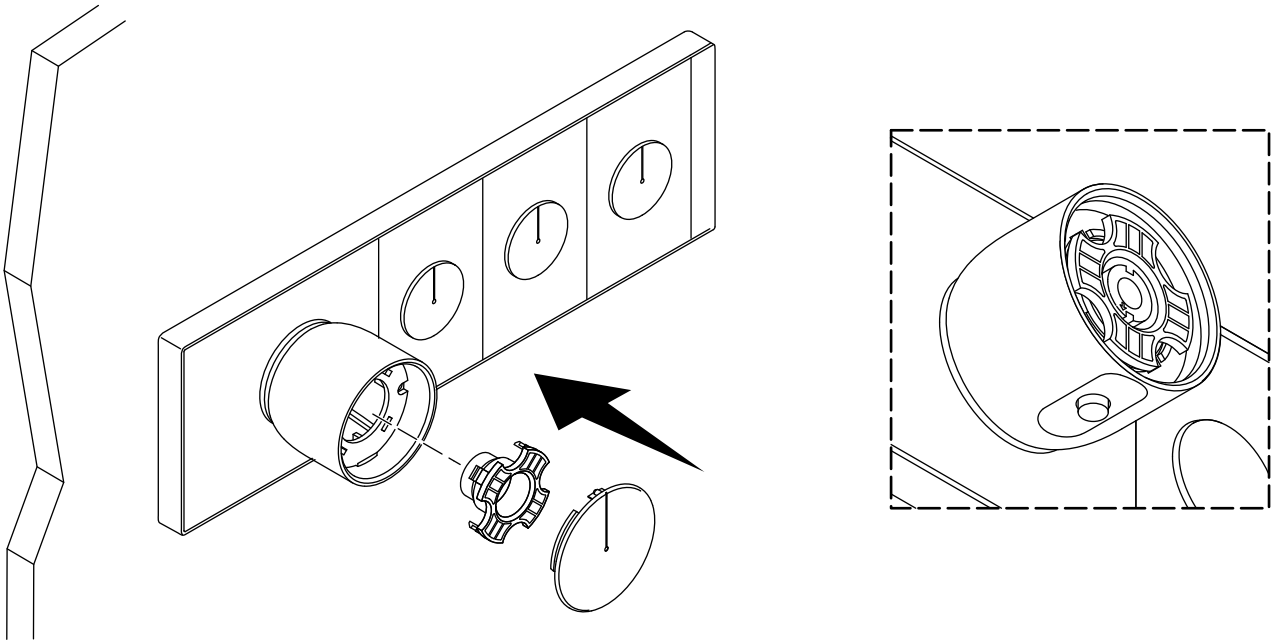
13. Reinstall the Stem Extension



NOTE: If the maximum temperature did not need to be adjusted, proceed to the next step.

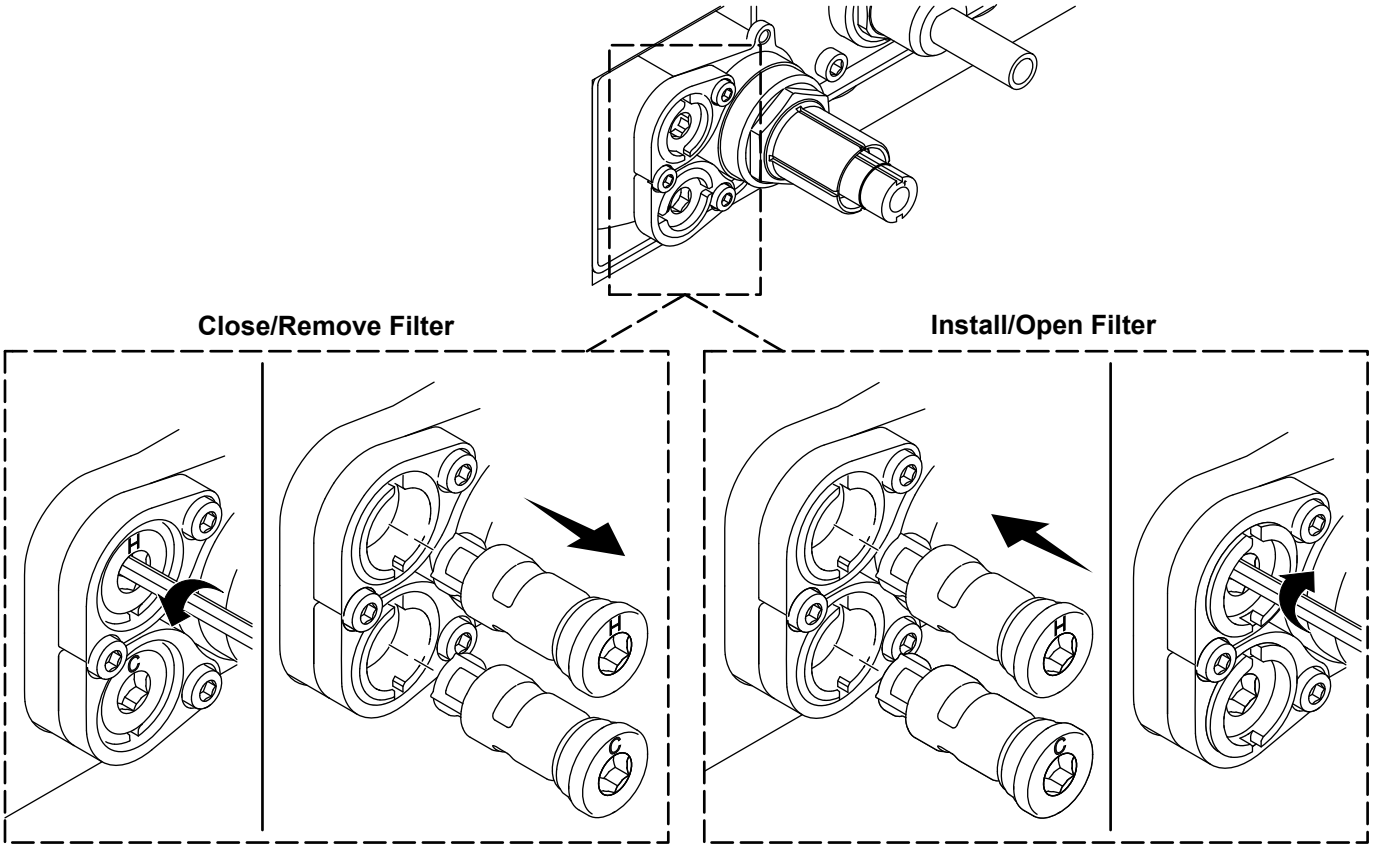
- ☐ Press in the bypass button and turn the control knob counterclockwise until the knob engages with the high temperature stop.
- ☐ Reinstall the stem extension with the grooves aligned with the bypass button.
- ☐ Secure the stem extension with the screw.

14. Complete the Installation



- ☐ Reinstall the stem drive.
- ☐ Rotate the control knob until the bypass button points down.
- ☐ Repeat steps 10-14 as needed to increase or decrease the maximum water temperature.
- ☐ Install the cap onto the control knob.
- ☐ Check the operation of the temperature control knob, bypass button, and high temperature limit stop setting.

Close/Open the Filter Stops



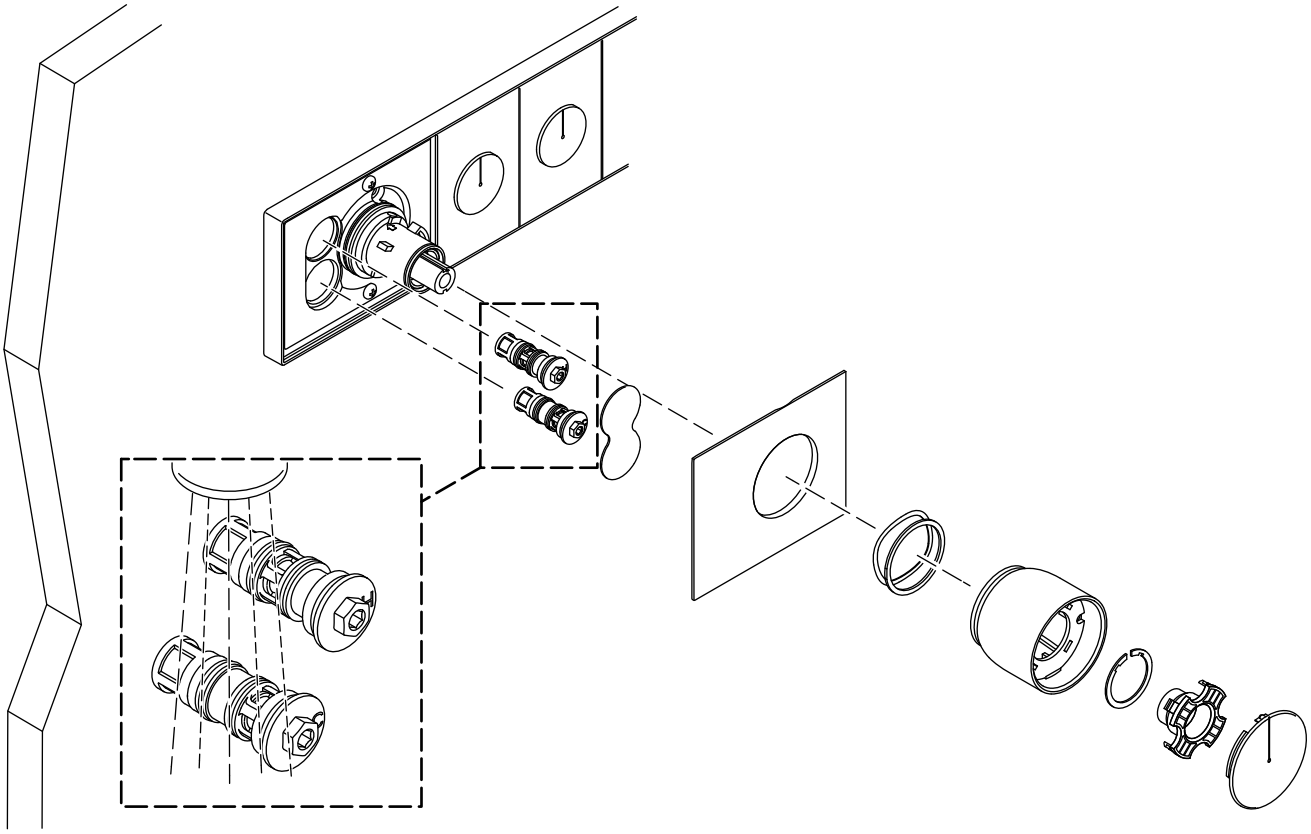
Close/Remove Filter

- ☐ **Close Filter Stop:** Using a hex wrench or hex bit, rotate the filter assembly counterclockwise until the filter stop body is tight. This closes the filter stop.
- ☐ **Remove Filter:** Continue to rotate the filter assembly counterclockwise until the filter breaks free from the filter stop body. Rotate the filter counterclockwise until the filter can be removed.

Install/Open Filter

- ☐ **Install Filter:** Insert the filter into the filter stop body. Rotate the filter clockwise until the filter is fully threaded into the filter stop body.
- ☐ **Open Filter Stop:** Continue rotating the filter and filter stop body clockwise until the filter stop body cannot rotate anymore. The filter stop body is now open.

Cleaning the Screens



NOTE: The cartridges are not interchangeable. Make note of the hot and cold positions during removal.

- ☐ Turn OFF the water supply to the valve.
- ☐ Remove the control knob components.
- ☐ Remove the trim plate and the valve plug.
- ☐ Unthread the cartridges from the valve. Note the hot and cold positions for reinstallation.
- ☐ Rinse any debris from the filter screens.
- ☐ Inspect the check valve and O-rings. Replace as necessary.
- ☐ Reinstall the cartridges in the proper ports.
- ☐ Reinstall the valve plug and tim plate.
- ☐ Reinstall the control knob components.
- ☐ Turn ON the water supply to the valve.

Troubleshooting

This troubleshooting guide is for general aid only. For warranty service, contact your dealer or wholesale distributor, or contact the Customer Care Center using the information located in the front of this manual.

Symptom	Probable Cause	Recommended Action
1. The water outlet only produces hot or cold water.	**A.** The filter screens are blocked. **B.** The hot and cold inlet supplies are reversed.	**A.** Clean the filter screens. **B.** Contact the Customer Care Center for instructions on reversing the hot and cold service stops.
2. The flow rate fluctuates or is reduced.	**A.** The flow button is turned down. **B.** The filter screens are blocked. **C.** The water supply stops are partially closed. **D.** The minimum flow rate is not sufficient for proper valve operation. **E.** External condition such as low water pressure. **F.** The inlet temperature differentials are not sufficient. **G.** The thermostatic cartridge does not perform correctly.	**A.** Press the flow button to turn the water OFF and then back ON. Rotate the flow button clockwise to increase the flow. **B.** Clean the filter screens. **C.** Fully open the water supply stops. **D.** Increase the flow rate to the valve. **E.** Adjust the low water pressure. **F.** Adjust the inlet temperature differentials as needed. **G.** Replace the thermostatic cartridge.
3. Low or no flow from the shower fitting.	**A.** The flow button is turned down. **B.** The water supply stops are closed. **C.** The filter screens are blocked. **D.** The cartridge filter screens are blocked. **E.** The flow control cartridge is not functioning.	**A.** Press the flow button to turn the water OFF and then back ON. Rotate the flow button clockwise to increase the flow. **B.** Fully open the water supply stops. **C.** Clean the hot and cold supply filter screens. Clean the shower fitting filter screen. **D.** Clean the thermostatic cartridge and flow cartridge filter screens. **E.** Replace the flow control cartridge.
4. The blended temperature drifts.	**A.** The operating conditions have changed.	**A.** No action is required.
5. Hot water in the cold water supply or cold water in the hot water supply.	**A.** The hot/cold filter inserts are swapped. **B.** Indicates crossflow.	**A.** Inspect the depth of the hot/cold inserts within the surrounding stop ring. If the hot and cold inserts are at different depths; close the water supply stops, remove the inserts, inspect the seals, and swap the hot and cold position. **B.** Replace the check valves.
6. The maximum blend temperature setting is too hot or too cold.	**A.** Indicates incorrect maximum temperature setting.	**A.** Refer to the temperature adjustment steps.
7. Water is leaking from the valve body.	**A.** The seal(s) are worn or damaged. **B.** Water leaks around the cartridge stem.	**A.** Obtain a service kit and replace the seal(s). **B.** Replace the thermostatic cartridge.

Symptom	Probable Cause	Recommended Action
8. The control knob is stiff to operate.	**A.** Impaired movement of the internal components. **B.** The supply pressures are too high.	**A.** Replace the cartridge. **B.** Install the flow regulator.
9. The flow button sticks or does not pop up correctly.	**A.** The flow button is dragging on the trim plate. **B.** The stem adapter was cut too short or not square.	**A.** Remove the trim plate and check the operation. **B.** Replace the button with the trim guide and confirm the cut length per the installation instructions.
10. The flow button is stiff or does not rotate freely.	**A.** The flow button is dragging on the trim plate. **B.** The button assembly is improperly aligned with the stem adapter. **C.** The stem adapter is improperly installed on the flow cartridge.	**A.** Remove the trim plate and check the operation. **B.** Remove the button assembly and reinstall with the internal tabs aligned with the stem flats. **C.** Remove the stem and reinstall, aligning the grooves inside the stem to drive the tabs on the cartridge.