



## DELTA T27 MultiChoice Valve Trim with Diverter Owner's Manual

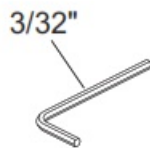
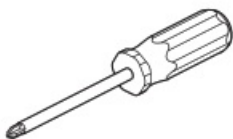
[Home](#) » [Delta](#) » DELTA T27 MultiChoice Valve Trim with Diverter Owner's Manual 



**see what Delta can do<sup>SM</sup>**

Write the purchased model number here.  
**MultiChoice® Valve Trim with Diverter Installation Instructions**  
**Owners Manual**  
**T27 Models**

### **You May Need**



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## T27 MultiChoice Valve Trim with Diverter

For additional replacement parts, visit [www.deltafaucet.com](http://www.deltafaucet.com)

**THIS VALVE MEETS OR EXCEEDS THE FOLLOWING STANDARDS:** ASME A112.18.1/ CSA B125.1 and ASSE 1016 (Type -P- or -T-).

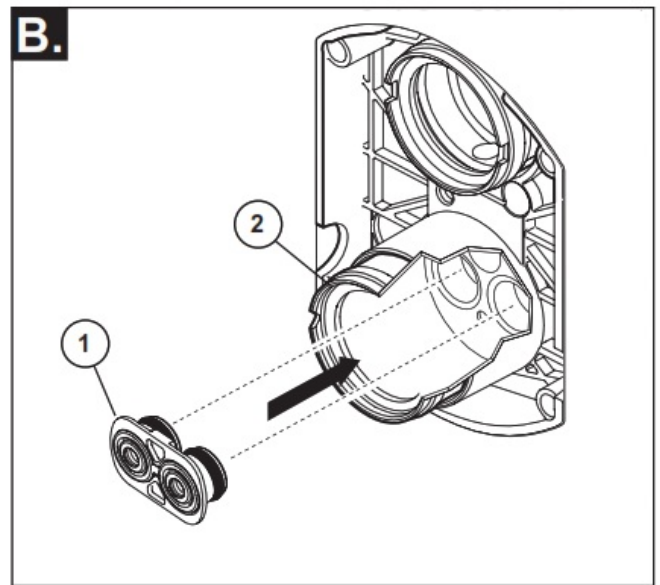
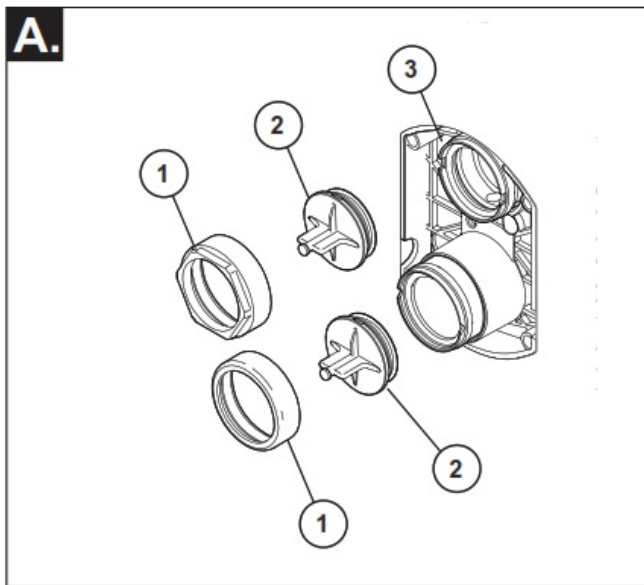
**CAUTION:** This system/device must be set by the installer to ensure safe, maximum temperature. Any change in the setting may raise the discharge temperature above the limit considered safe and may lead to hot water burns.

**NOTICE TO INSTALLER:** CAUTION!—As the installer of this valve, it is your responsibility to properly INSTALL and ADJUST this valve per the instructions given. This valve does not automatically adjust for inlet temperature changes, therefore, someone must make the necessary Rotational Limit Stop adjustments at the time of installation and further adjustments may be necessary due to seasonal water temperature change. YOU MUST inform the owner/user of this requirement by following the instructions. If you or the owner/user are unsure how to properly make these adjustments please refer to page 6 and if still uncertain, call us at 1-800-345-DELTA. After installation and adjustment, you must affix your name, company name and the date you adjusted the Rotational Limit Stop to the caution label provided and apply or attach the label to the back side of the closest cabinet door and the warning label to the water heater. Leave this Instruction Sheet for the owner's/user's reference.

**WARNING:** This pressure-balanced or thermostatic bath valve is designed to minimize the effects of outlet water temperature changes due to inlet pressure changes, commonly caused by dishwashers, washing machines, toilets and the like. It may not provide protection from hot water burns when there is a failure of other temperature controlling devices elsewhere in the plumbing system, if the rotational limit stop is not properly set or if the hot water temperature is changed after the settings are made or if the water inlet changes due to seasonal changes.

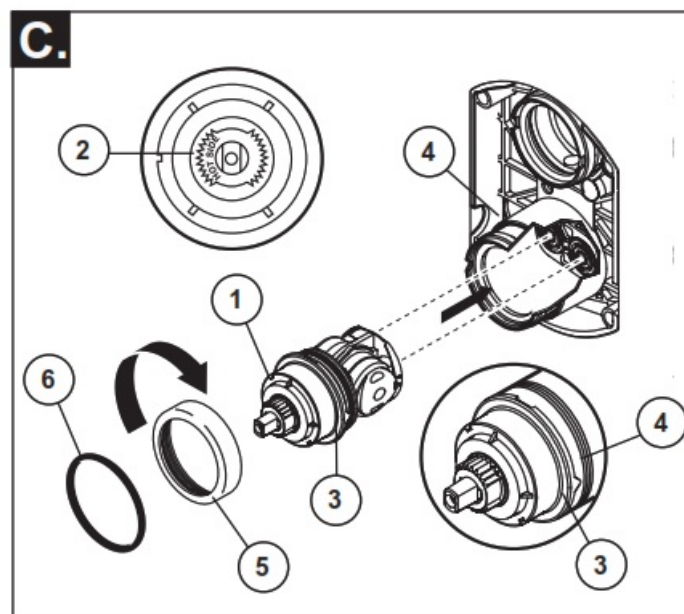
**WARNING:** Do not install a shut-off device on either outlet of this valve. When this type of device shuts off the water flow, it can defeat the ability of the valve to balance the hot and cold water pressures.

## Cartridge Installation

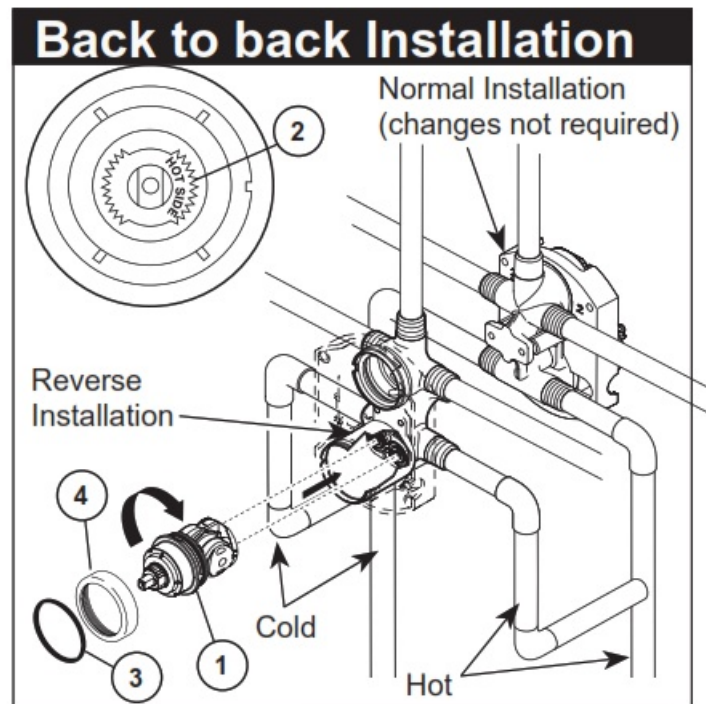


Turn off water supplies. Remove bonnet nuts (1) and test caps (2) from the rough-in body (3). Place a bucket or small container over the front of the valve body and slowly open the water supplies to flush any debris from the supply lines before installing the cartridge. Turn the water supplies back off.

Insert adapter assembly (1) into rough-in body (2). Make sure the adapter assembly is correctly positioned and is pressed all the way down the inside of the rough-in body.



Rotate cartridge (1) so the words "HOT SIDE" (2) appear on the left. Insert cartridge assembly into rough-in body. Make sure the key (3) on the valve cartridge is fully engaged with the slot in the brass body (4). Insert bonnet nut (5) over the cartridge and thread onto the body. Hand tighten securely, slide o-ring (6) over bonnet and cartridge. A light coating of plumbers grease applied to o-rings may aid in assembly.

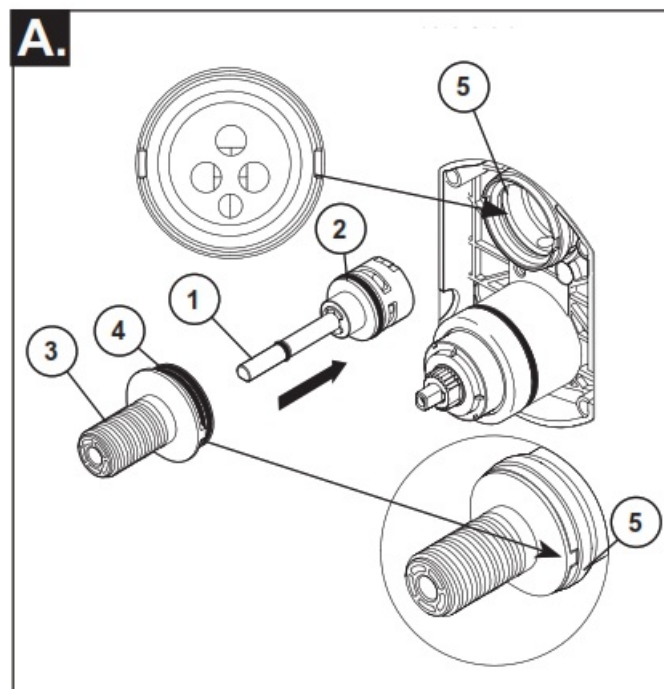


For the exceptions of back-to-back or reverse installations (hot on right and cold on left) only: Rotate valve cartridge (1) so "HOT SIDE" (2) appears on the right.

Apply silicone lube to the three o-rings shown above to make the cartridge easier to install and remove from the rough-in body.

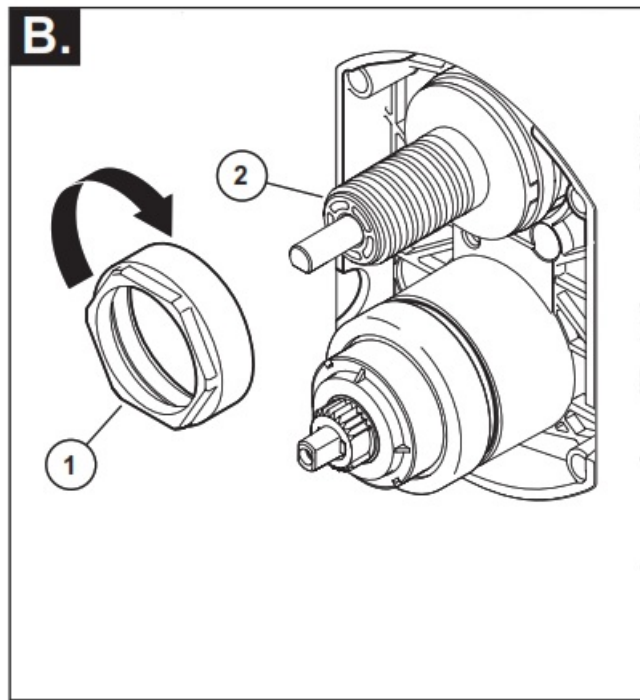
Install the cartridge making sure that the keys are fully engaged with the slot in the rough-in body (see step C). Slide o-ring (3) and bonnet nut (4) over the cartridge and thread onto the rough-in body. Hand tightens securely.

## Diverter Cartridge Installation



### FOR DIVERTER CARTRIDGE

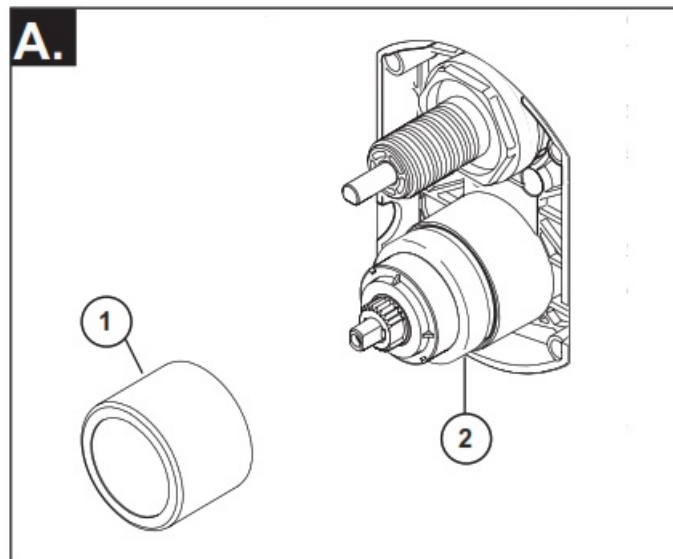
**INSTALLATION:** Apply silicone lube to the o-ring (2) to make the diverter sleeve (3) easier to install the diverter cartridge. A light coating of plumber grease applied to o-rings (4) may aid in assembly. Install diverter cartridge (1) assuring that the locating pin on the bottom of the cartridge aligns with the mating hole in the rough-in body. Slide diverter sleeve (3) over cartridge stem aligning tabs on the diverter sleeve with slots in the rough-in body (5).



#### **For Bonnet Installation**

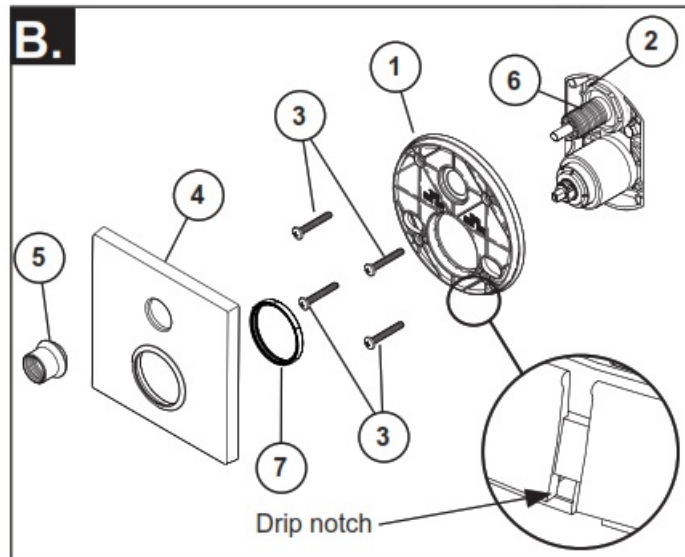
Slide bonnet nut (1) over diverter sleeve (2) and thread into rough-in body. Hand tighten securely.

#### **Trim Installation**



#### **Trim Sleeve Installation**

Slide trim sleeve (1) over the bonnet (2), cartridge and rough-in body. Ensure sleeve is properly positioned over the front of cartridge.

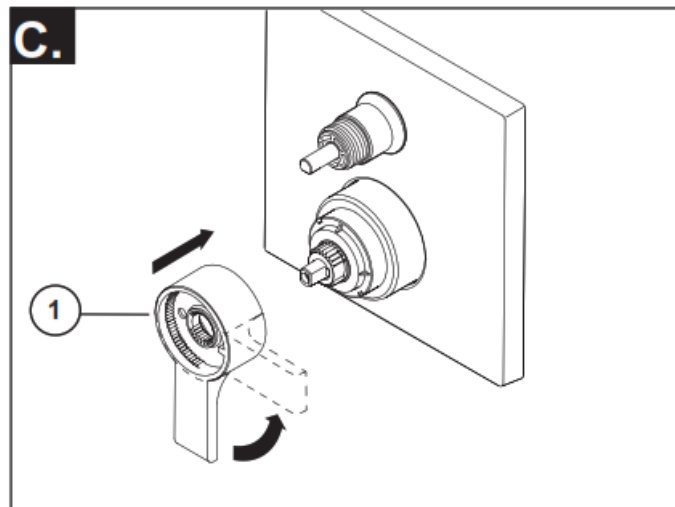


### Escutcheon Installation

For finished wall thickness up to 1 1/8". Secure the backplate (1) to the rough-in body (2) using 4 screws (3) provided.

**Note:** Be sure backplate is oriented front side forward and markings are visible. Slide escutcheon (4) over diverter cartridge, thread trim nut (5) onto diverter sleeve (6).

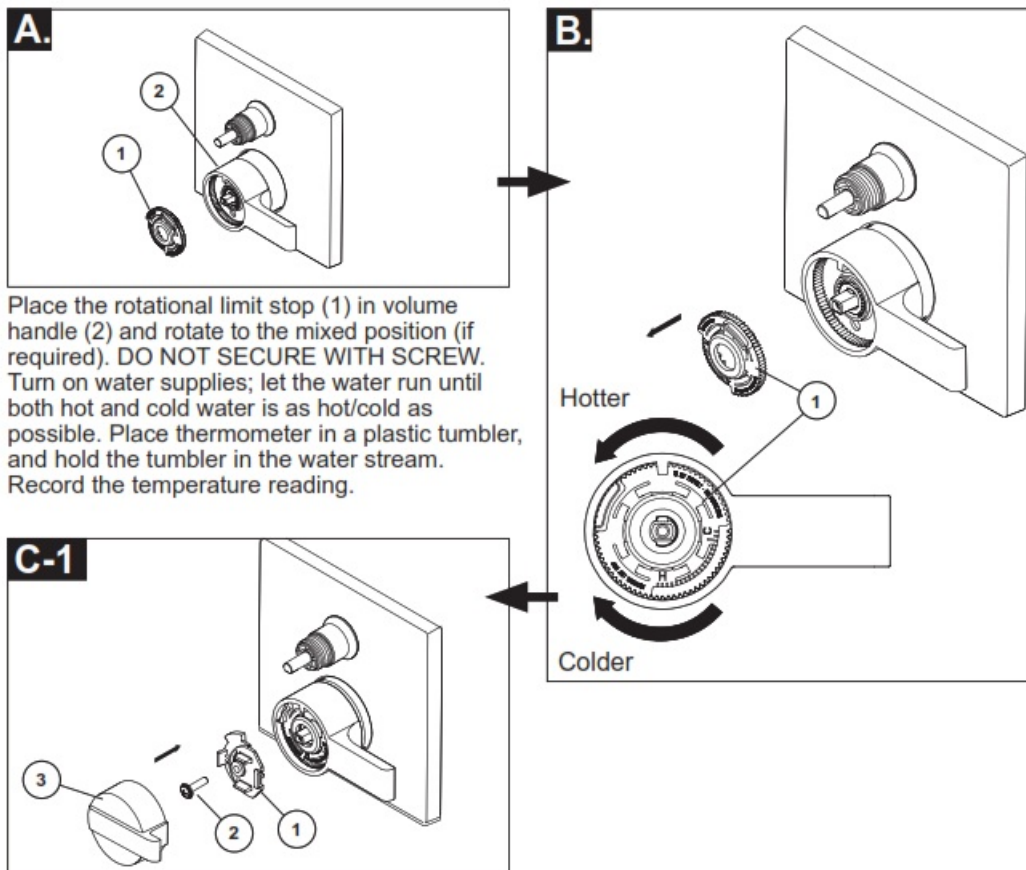
**Note:** For thick wall installation, visit delta faucet website, check "parts & accessories diagram" of the models you bought, order the appropriate thick wall installation kit RP to support finished wall thickness up to 2 1/8. On rough or uneven surfaces it is necessary to apply caulk around the backplate (1) to supplement the seal. Do not caulk the drip notch in the bottom of the backplate (1). Do not caulk the escutcheon (4).



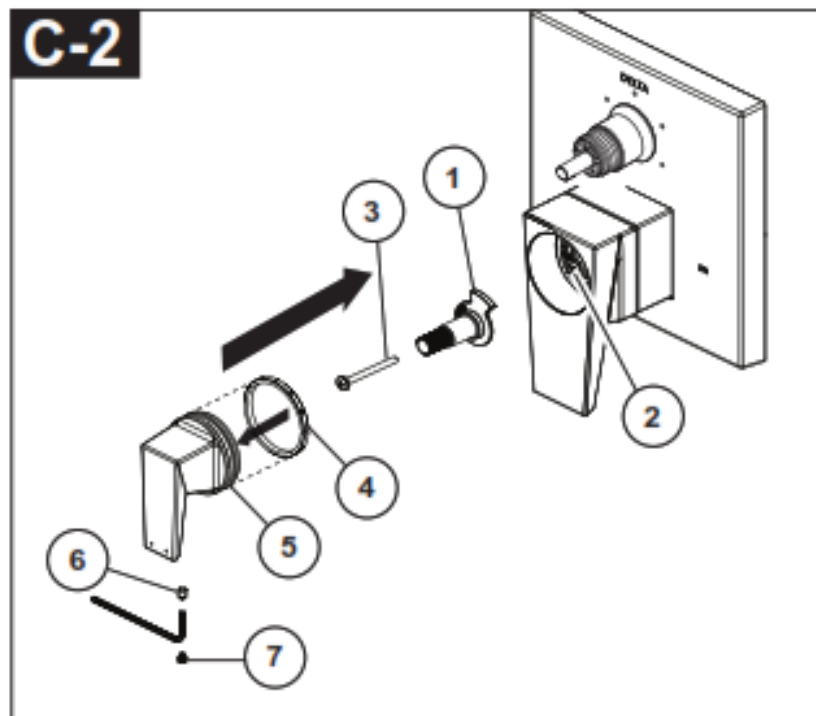
Install volume control handle (1) with lever pointing down, then turn to the on position. DO NOT SECURE WITH SCREW.

### Installation and Adjustment of the Rotational Limit Stop





Secure temperature control knob (1) with screw (2). See next step (D) for securing temperature control cover (3).

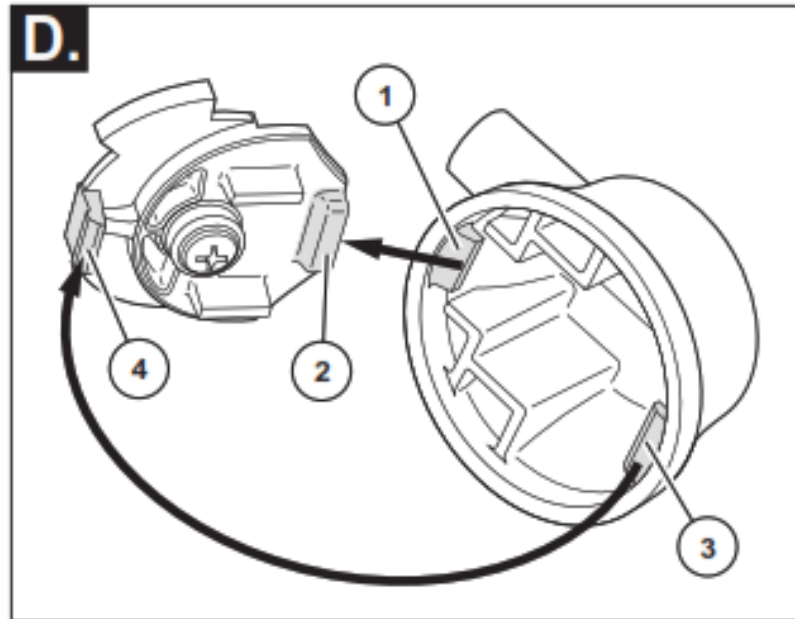


Install adapter (1) over valve stem (2) and secure it with screw (3).

Install washer (4) onto handle (5), slide the handle onto the adapter and secure it with set screw (6), then cover set screw with handle button (7).

If the water temperature is above 120°F, remove and rotate the limit stop (1) clockwise one tooth for every 4°F – 6°F (approximate) change in temperature. If water temperature is cooler than desired, rotate the limit stop counterclockwise. **IMPORTANT:** The first position of the Rotational Limit Stop (the Limiter) is the position that restricts the rotation of the stem the most and is at the maximum clockwise setting. According to industry standards, the maximum allowable temperature of the water exiting from the valve is 120 o F. This temperature may vary in your local area. The Rotational Limit Stop may need to be readjusted if the inlet water temperature

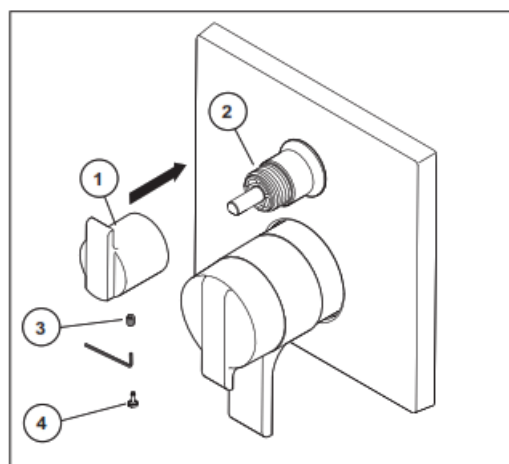
changes. For instance, during the winter, the cold water temperature is colder than it is during the summer which could result in varying outlet temperatures. Typical temperature for a comfortable bath or the shower is between 90 o o –110 F.



Snap temperature control cover over temperature control knob by first aligning smaller tab (1) on a cover with receiving slot (2) on temperature knob. Swing larger tab (3) to engage with snap feature (4). Note: If disassembly is required, reverse this motion, disengaging larger tab (3) from snap feature (4) first.

Potential scald or thermal shock injury could result due to cross flow if the outlet at the shower is blocked or restricted (e.g., pause control on hand shower). Be sure to point hand shower away from you when re-starting flow or install inlet check valves on both supply lines to prevent possible injury.

## Diverter Handle Installation



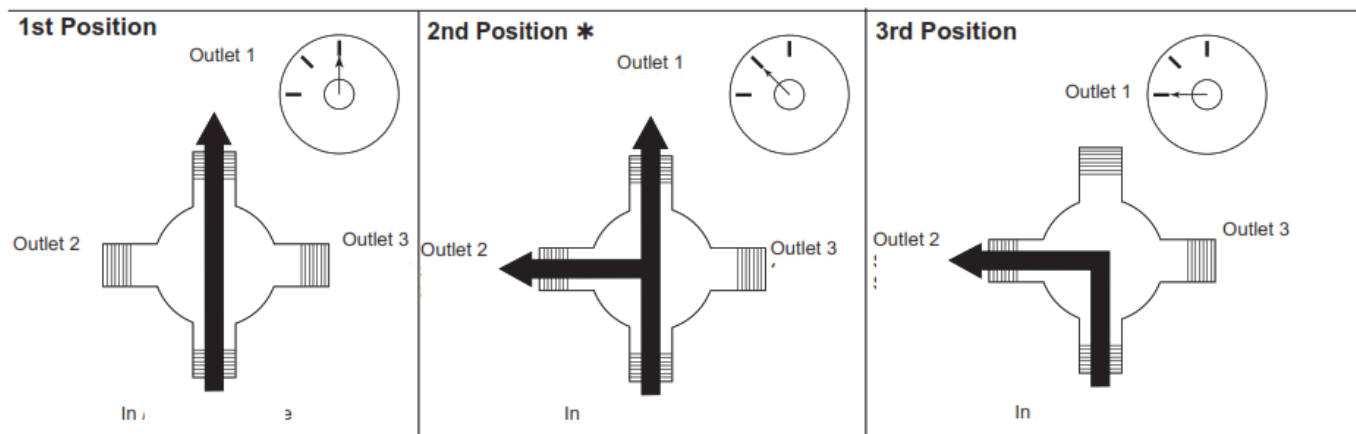
### Diverter Handle Installation

Slide diverter handle (1) onto trim sleeve (2). Using a allen wrench, insert set screw (3) into handle (1). Applying pressure, insert set screw cover (4), if included, until properly seated.

## Diverter Handle Reference Sheet

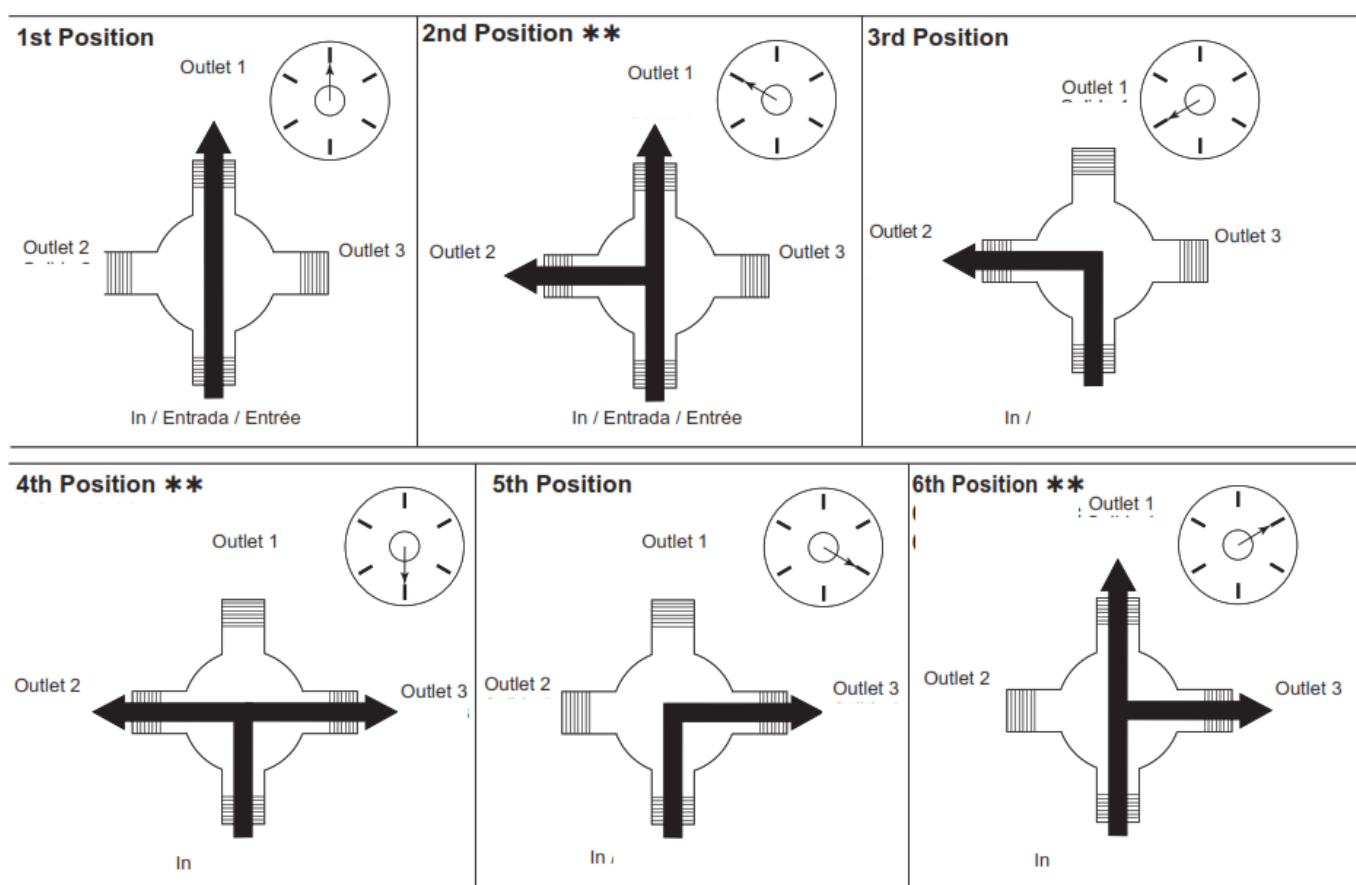
### Water Flow For 3 Function Diverter





- Shared positions do not exist in non-shared cartridges.

### Water Flow For 6 Function Diverter



- Shared positions do not exist in non-shared cartridges.

### Clean and Care

Care should be given to the cleaning of this product. Although its finish is extremely durable, it can be damaged by harsh abrasives or polish. To clean, simply wipe gently with a damp cloth and blot dry with a soft towel.

### Maintenance

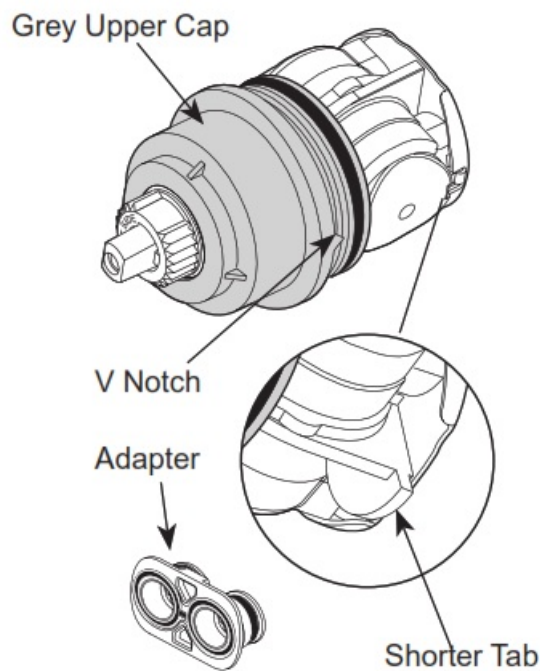
**Faucet leaks from shower outlet:**  
 SHUT OFF WATER SUPPLIES.  
 Replace valve cartridge

**Helpful Hints:**

1. Before removing the valve cartridge assembly for any maintenance, be sure to note the position of the rotational limit stop on the cap. The valve cartridge assembly must always be put back in the same position. **BE SAFE!** After you have finished the installation, turn on the valve to make sure **COLD WATER FLOWS FIRST**.
2. To remove the valve cartridge from the body, shut off water supplies and remove the handle and bonnet nut. Do not pry the valve cartridge out of the body with a screwdriver. Place the handle on stem and rotate counterclockwise approximately 1/4 turn after the stop has been contacted. Lift valve cartridge out of body. Remove seats and springs and replace them.  
Place the largest diameter of the spring into the seat pocket first and then press the tapered end of the seal over the spring. Reassemble valve cartridge and replace in body following instructions given in 1 above.
3. If the water in your area has lime, rust, sand or other contaminants in it, your pressure balance valve will require periodic inspection. The frequency of the inspection will depend on the amount of contaminants in the water. To inspect valve cartridge remove it and follow the steps in note 1 above. Turn the valve to the full mix position and shake the cartridge vigorously. If there is a rattling sound, the unit is functional and can be reinstalled following the instructions given in note 1 above. If there is no rattle, replace the housing assembly with the proper RP.

**Cartridge Summary Reference Sheet**

**T27**



**Order RP46463 to  
Replace Cartridge.**

**Limited Warranty on Delta ® Faucets**

Parts and Finish. All parts (other than electronic parts and batteries) and finishes of Delta® faucets purchased from authorized Delta sellers are warranted to the original consumer purchaser to be free from defects in material and workmanship for as long as the original consumer purchaser owns the home in which the faucet was first installed. For commercial purchasers, (a) the warranty period is ten (10) years for multi-family residential applications and (b) five (5) years for all other commercial applications, in each case from the date of original purchase. For purposes of this warranty, the term "multi-family residential application" refers to the purchase of the faucet from an authorized Delta seller by a purchaser who owns but does not live in the residential dwelling in which the faucet is initially installed, such as in a rented or leased single unit or multi-unit detached home (duplex

or townhome), or a condominium, apartment building or community living center. The following installations are not considered multi-family residential applications, are excluded from the 10-year warranty and are subject to the 5-year warranty: industrial, institutional or other business premises, such as a dormitory, hospitality premises (hotel, motel or extended stay location), airport, educational facility, long- or short-term healthcare facility (hospital, rehabilitation center, nursing, assisted or staged-care living unit), public space or common area.

**Parts and Finish for Delta® Recertified Faucets.** Delta Faucet Company offers for sale on [deltafaucet.com](http://deltafaucet.com) Delta® Recertified faucets. All parts (other than electronic parts and batteries) and finishes of these Delta® Recertified faucets are warranted to the original consumer purchaser to be free from defects in material and workmanship for ten (10) years from the date of original purchase. For commercial purchasers, the warranty period is one (1) year from the date of original purchase. **Electronic Parts.** Electronic parts (other than batteries), if any, of Delta® faucets purchased from [deltafaucet.com](http://deltafaucet.com) or authorized Delta sellers are warranted to the original consumer purchaser to be free from defects in material and workmanship for five (5) years from the date of original purchase or, for commercial purchasers, for one (1) year from the date of original purchase. No warranty is provided on batteries.

**What We Will Do.** Delta Faucet Company will repair or replace, free of charge, during the applicable warranty period (as described above), any part or finish that proves defective in material and/or workmanship under normal installation, use and service. If repair or replacement is not practical, Delta Faucet Company may elect to refund the purchase price in exchange for the return of the product. These are your exclusive remedies.

**What Is Not Covered.** Because Delta Faucet Company is unable to control the quality of Delta products sold by unauthorized sellers, unless otherwise prohibited by law, this warranty does not cover Delta products purchased from unauthorized sellers.

Any labor charges incurred by the purchaser to repair, replace, install or remove this product are not covered by this warranty. Delta Faucet Company shall not be liable for any damage to the faucet resulting from reasonable wear and tear, outdoor use, misuse (including use of the product for an unintended application), freezing water, abuse, neglect or improper or incorrectly performed installation, maintenance or repair, including failure to follow the applicable care and cleaning instructions. Delta Faucet The company recommends using a professional plumber for all installation and repair of faucets. We also recommend that you use only genuine Delta® replacement parts. **What You Must Do To Obtain Warranty Service or Replacement Parts.** A warranty claim may be made and replacement parts may be obtained by calling 1 800 345 DELTA (3358) or by contacting us by mail or online as follows (please include your model number and date of original purchase):

In the United States and Mexico: Delta Faucet Company

Product Service

55 E. 111th Street

Indianapolis, IN 46280

Attention: Warranty Service

[www.deltafaucet.com/service-parts/contact-us](http://www.deltafaucet.com/service-parts/contact-us)

**In Canada:** Masco Canada Limited, Plumbing Group

Technical Service Centre

350 South Edgeware Road

St. Thomas, Ontario, Canada N5P 4L1

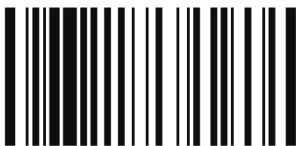
Attention: Warranty Service

<http://www.deltafaucet.ca/customersupport/assistance.html>

Proof of purchase (original sales receipt) from the original purchaser must be made available to Delta Faucet Company for all warranty claims unless the purchaser has registered the product with Delta Faucet Company or the product is a Delta® Recertified product purchased from [deltafaucet.com](http://deltafaucet.com). This warranty applies only to Delta® faucets manufactured after January 1, 2019 and installed in the United States of America, Canada and Mexico. **Limitation on Duration of Implied Warranties.** Please note that some states/provinces (including Quebec) do not allow limitations on how long an implied warranty lasts, so the below limitations may not apply to you. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ANY IMPLIED WARRANTY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE, IS LIMITED TO THE STATUTORY PERIOD OR THE DURATION OF THIS WARRANTY, WHICHEVER IS SHORTER. **Limitation of Special, Incidental or Consequential Damages.** Please note that some states/provinces (including Quebec) do not allow the exclusion or limitation of special, incidental or consequential damages, so the below limitations and exclusions may not apply to you. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS WARRANTY DOES NOT COVER, AND DELTA FAUCET COMPANY SHALL NOT BE LIABLE FOR,



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Documents / Resources

	<p><a href="#">DELTA T27 MultiChoice Valve Trim with Diverter</a> [pdf] Owner's Manual T27 MultiChoice Valve Trim with Diverter, T27, MultiChoice Valve Trim with Diverter, MultiChoice Valve Trim, Valve Trim, Trim</p>
	<p><a href="#">DELTA T27 MultiChoice Valve Trim</a> [pdf] Instruction Manual T27, MultiChoice Valve Trim, T27 MultiChoice Valve Trim, Valve Trim</p>

References

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