IMPORTANT DOCUMENTS ENCLOSED
CAUTION:
To reduce the risk of injury due to hot water burns, make sure the enclosed labels are applied where specified on the label.

DOCUMENTOS IMPORTANTES INCLUIDOS
AVISO:
Para reducir el riesgo de lesión por quemaduras de agua caliente , asegúrese que las etiquetas incluidas se han aplicado donde se ha especificado en la etiqueta.

DOCUMENTS IMPORTANTS À L'INTÉRIEUR
MISE EN GARDE :
Pour réduire le risque d'ébouillantage, veuillez apposer les étiquettes fournies aux endroits indiqués sur celles-ci.

NOTICE TO INSTALLER: Place this label on the water heater next to the temperature adjustment knob.

WARNING:

These series of tub/shower valves do not adjust automatically for changes in temperature at the hot water heater or inlet. If the temperature setting of the hot water heater or inlet is changed, the setting on these valves **must be adjusted manually!** Failure to re-adjust the valve may result in hot water burns or extreme cold resulting from variations in line pressure (such as when a dishwasher or washing machine is in use while you are taking a shower). After installation, verify that the rotational limit stop or temperature knob on the valve is set so that changes in line pressure or temperature do not result in uncomfortable water temperature changes. **If the temperature setting of the hot water heater or inlet is changed after installation of the valve, the setting of the rotational limit stop or temperature knob also must be changed!** Consult the installation instruction sheet for instructions on how to make this setting, or call us at 1-800-345-DELTA.

AVISO AL INSTALADOR: Coloque esta etiqueta en el calentador de agua al lado de la perilla para el ajuste de temperatura.

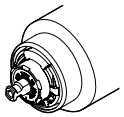
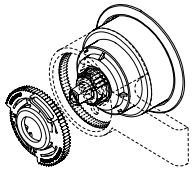
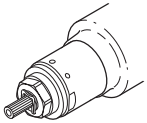
AVISO:

Esta serie de válvulas para bañeras/regaderas no se ajustan automáticamente a los cambios de temperatura en el calentador de agua o en el agua de entrada. Si el ajuste de la temperatura del calentador de agua o la temperatura del agua que entra cambia **¡El ajuste de estas válvulas se debe hacer manualmente!** El no reajustar la válvula puede resultar en quemaduras por agua caliente o temperaturas de agua extremadamente frías resultando en variaciones de presión y temperatura (como cuando el fregador de platos o la lavadora están funcionando mientras que se baña). Después de la instalación, verifique que el control o tope del límite rotacional o la perilla del control de temperatura en la válvula está ajustada para que los cambios de presión y de temperatura en la línea no resulten en cambios incómodos de temperatura del agua. **Si el ajuste de la temperatura del calentador de agua o de la entrada de agua se cambia después de la instalación de la válvula, el ajuste del tope del límite rotacional o la perilla de ajuste ¡también se debe cambiar!** Consulte con su hoja de instrucciones de instalación para saber como se ajusta o cambia el ajuste, o llámenos al 1-800-345-DELTA.

AVIS À L'INSTALLATEUR: Fixez cette étiquette sur le chauffe-eau près du bouton de réglage de température.

ATTENTION :

La soupape de robinet de baignoire ou de douche de cette série ne se règle pas automatiquement en fonction des changements de température de l'eau chaude au chauffe-eau ou de l'eau d'alimentation. En cas de modification du réglage de température du chauffe-eau ou de la température de l'eau d'alimentation, le réglage de cette soupape doit **être modifié manuellement!** Si le réglage de la soupape n'est pas modifié, le robinet pourra permettre l'écoulement d'eau très chaude susceptible de causer l'ébouillantage ou d'eau très froide, sous l'effet des variations de pression et de température dans la tuyauterie d'alimentation (lorsque la douche est utilisée en même temps que le lave-vaisselle ou la machine à laver, par exemple). Après l'installation, assurez-vous que la butée de température maximale ou le bouton de température sur la soupape est réglé de manière que les fluctuations de pression et de température dans la tuyauterie d'alimentation n'entraînent pas de changements de température de l'eau inconfortables. **En cas de modification du réglage de température du chauffe-eau ou de la température de l'eau d'alimentation après l'installation de la soupape, le réglage de la butée de température maximale ou du bouton de température doit être modifié!** Pour régler le bouton de température, consultez la feuille d'instructions d'installation ou appelez-nous au 1-800-345-DELTA.

13 / 14 / 24 Series	17 / 27 Series	17T / 27T Series
		

DELTA

NOTICE TO INSTALLER: Place this label close to the valve where the owner will see it, such as inside the door of a cabinet or vanity.

WARNING

Water temperature changes due to seasonal or other inlet variations, such as changing the setting on the hot water heater may require adjustment of the rotational limit stop ortemperature knob on your tub/shower valve to ensure a safe maximum temperature. These valve series do not automatically adjust for inlet temperature changes. If changes occur and you are not sure how to make the necessary rotational limit stop or temperature knob adjustments, please consult the installation instruction sheet provided with this valve or call 1-800-345-DELTA. These valve series are 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. They may not provide protection from hot water burns when there is a failure of other temperature controlling devices elsewhere in the plumbing system. After making the necessary adjustments please fill in the information below. This valve/system has been set by the person listed below to ensure a safe maximum temperature. Any change in the setting may raise the discharge temperature above the limit considered safe and could lead to hot water burns. If this label has not been completed, you should verify that the rotational limit stop or temperature knob has been properly adjusted to suit your individual installation. The installation instruction sheet supplied with the valve provides information on how to make this setting.

AVISO AL INSTALADOR: Coloque esta etiqueta cerca de la válvula donde el propietario la pueda ver, tal como dentro de la puerta del gabinete o el tocador.

AVISO:

Los cambios de temperatura del agua por variaciones estacionales u otras variaciones en el agua de entrada, como el cambio por el ajuste en el calentador de agua, puede requerir el ajuste del tope del límite rotacional o ajuste de la perilla para el control de la temperatura de la válvula de su unidad bañera/regadera para asegurar una temperatura máxima segura. Esta serie de válvulas no se ajusta automáticamente para los cambios de temperatura del agua de entrada. Si cambios ocurren y usted no está seguro como hacer los ajustes necesarios con la perilla para controlar la temperatura, por favor consulte la hoja de instrucciones de instalación proporcionada con esta válvula o llámenos al 1-800-345-DELTA. Las válvulas de esta serie están diseñadas para minimizar los efectos por cambios de temperatura en el agua de entrada por cambios en la presión del agua, comúnmente causados por el uso simultáneo de fregadoras de platos, lavadoras, inodoros y aparatos similares. **Estas pueden no proporcionar** protección de quemaduras por el agua caliente cuando hay una falla de otros mecanismos que controlan la temperatura del agua en otro sitio del sistema de plomería. Después de hacer los ajustes necesarios, por favor escriba la información suministrada a continuación. Esta válvula/sistema ha sido ajustada por la persona indicada a continuación para ayudar a asegurar una temperatura máxima segura. Cualquier cambio al ajuste puede aumentar la temperatura del agua de descarga sobre el límite considerado seguro y puede resultar en quemaduras por agua caliente. Si esta etiqueta no se ha llenado, debe verificar si el control o tope del límite rotacional o la perilla que controla la temperatura han sido correctamente ajustadas al gusto de su instalación individual. La hoja de instrucciones de instalación proporcionada con las válvulas le suministra información sobre como hacer este ajuste.

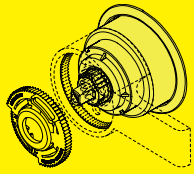
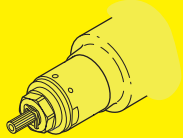
AVIS À L'INSTALLATEUR: Placez cette étiquette près de la soupape à un endroit où le propriétaire pourra la voir, du côté intérieur de la porte de l'armoire ou du meuble par exemple.

AVERTISSEMENT:

La température de l'eau peut varier en raison des changements de saison, d'une modification du réglage du chauffe-eau ou d'autres changements. Par conséquent, un réglage du bouton de température de votre soupape de douche ou de baignoire peut s'imposer pour que la température maximale de l'eau demeure sécuritaire. Les soupapes de cette série ne s'ajustent pas automatiquement aux changements de température de l'eau d'alimentation. Si des changements vous obligent à régler le bouton de température et vous n'êtes pas certain de la marche à suivre, veuillez consulter le feuillet d'instructions fourni avec la soupape ou appeler au 1-800-345-DELTA. Cette soupape est conçue pour réduire les risques de blessures causées par des changements de la température ou de la pression de l'eau d'alimentation habituellement causés par le lave-vaisselle, la machine à laver, une toilette ou un autre appareil qui consomme de l'eau. Elle peut ne pas assurer de protection contre l'ébouillantage en cas de défectuosité d'un autre dispositif de régulation de la température dans la tuyauterie. Après avoir effectué le réglage nécessaire, veuillez inscrire l'information requise ci-dessous. La personne dont le nom figure ci-dessous a réglé cette soupape pour qu'elle puisse maintenir une température maximale sécuritaire. Toute modification du réglage peut entraîner une élévation de la température de l'eau s'écoulant par la douche ou dans la baignoire au delà de la limite considérée sécuritaire, ce qui pourrait causer un ébouillantage. Si cette étiquette n'a pas été remplie, vous devriez vous assurer que le bouton de température a été réglé en fonction des caractéristiques de votre installation. Le feuillet d'instruction fourni avec la soupape indique la marche à suivre pour effectuer le réglage.

TO BE FILLED OUT BY THE INSTALLER / PARA SER LLENADO POR EL INSTALADOR / A REMPLIR PAR L'INSTALLATEUR:

BY/POR/PAR _____ **COMPANY/COMPANIA/COMPAGNIE** _____
DATE/FECHA/LE _____ **PHONE/TELÉFONO/TELÉPHONE** _____

13 / 14 / 24 Series	17 / 27 Series	17T / 27T Series
		

DELTA

DELTA

see what Delta can do™

107528

MultiChoice® Valve Trim Installation Instructions

Owners Manual

13/14 Series

Write purchased model number here.

X00107528

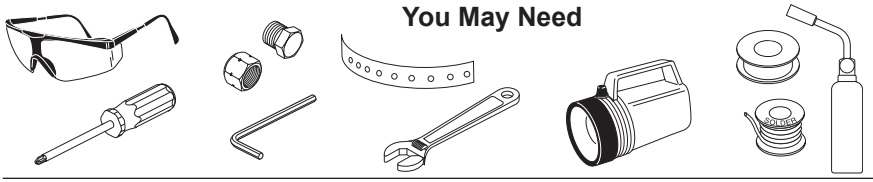


Table of Contents:

For additional replacement parts, visit www.deltafaucet.com/service-parts

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.

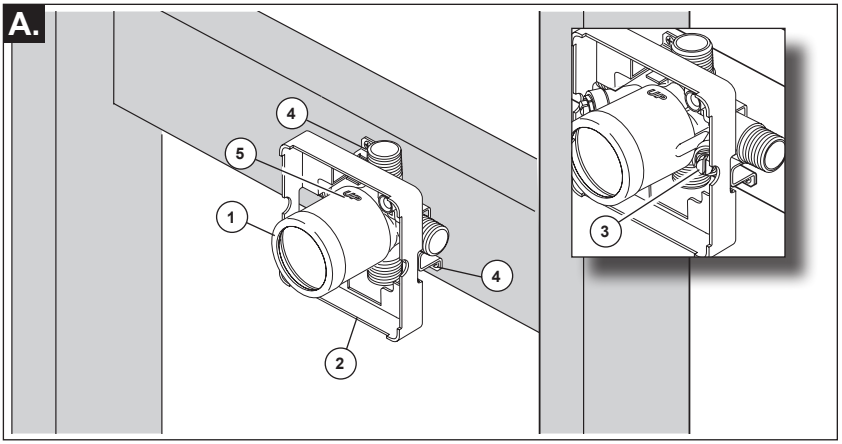
NOTICE TO INSTALLER: CAUTION! – As the installer of this valve, it is your responsibility to properly INSTALL and ADJUST this valve per the instructions given. This valve does not automatically adjust for inlet temperature changes, therefore, someone must make the necessary Rotational Limit Stop adjustments 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.

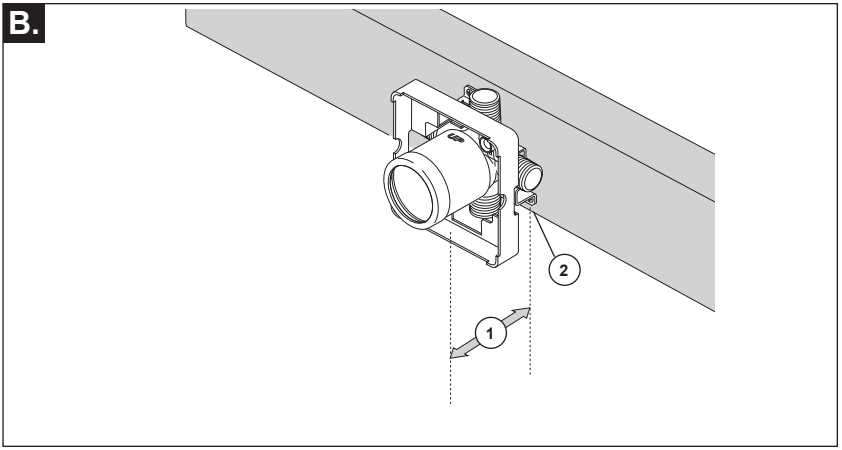
WARNING: Do not install a shut-off device on either outlet of this valve. When this type of device shuts off the water flow, it can defeat the ability of the valve to balance the hot and cold water pressures.

1 MultiChoice® Rough-In Installation (When your product requires)



SHUT OFF WATER SUPPLIES.
Consider the type and thickness of your finished wall before placing your stringer back plate.

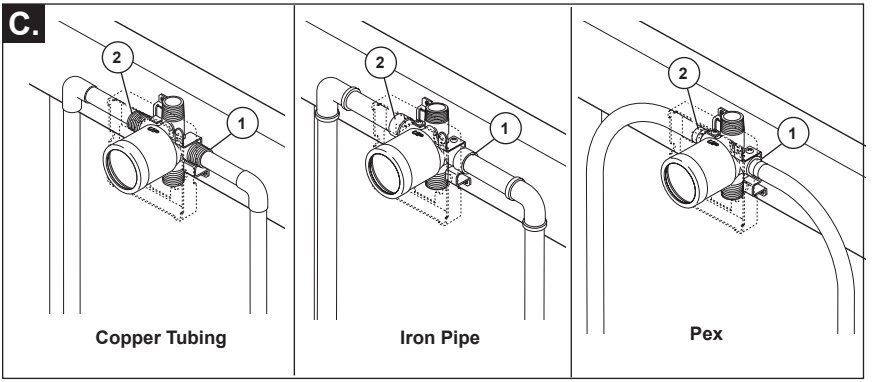
- Install the body (1) so the surface of the finished wall is flush with the front of the plasterguard (2) ± 3/8". **Note: For models with stops (3), plasterguard must be flush or subflush 3/8" to finished wall.**
- Mount body using the two stringer mounting holes (4) on the bracket.
- Make sure the word “UP” (5) is on top of the valve body when installing.



Distance (1) from the stringer (2) to the front of the plasterguard is 2.8" (71 mm).

If a thin wall is used, be sure to have the plasterguard behind the wall, otherwise the wall should always be flush with the front of the plasterguard. See instruction on the bag for thin wall mounting.

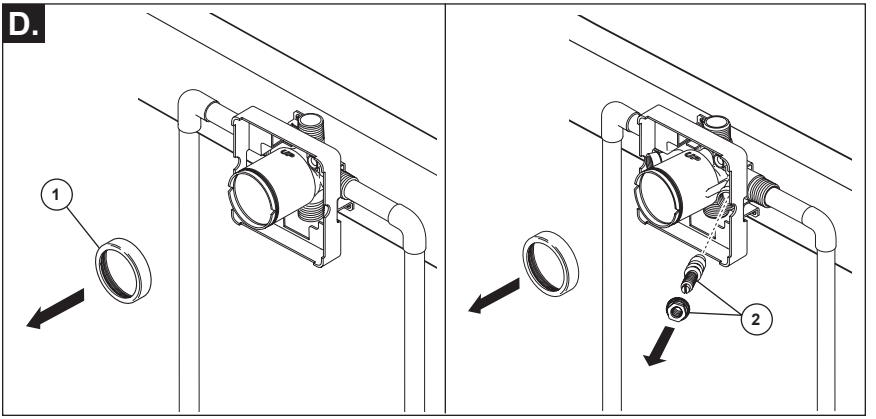
C.



- Connect valve body to water supplies using the proper fittings for your valve body type (copper tubing, iron pipe or Pex). **Note: (1) is the cold inlet port and (2) is the hot inlet port.**
- If either of the two outlet ports is to be unused, seal the port with a pipe plug.

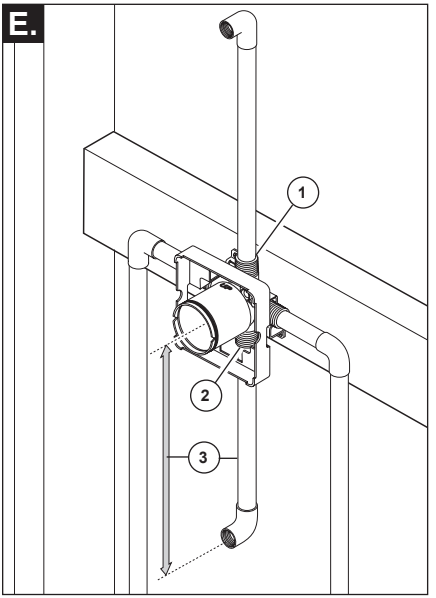
If you are making a BACK TO BACK OR REVERSE INSTALLATION (hot on right and cold on left) install the valve body as described, but the water supply lines will be reversed. **Note: (1) is the hot inlet port and (2) is the cold inlet port.**

D.



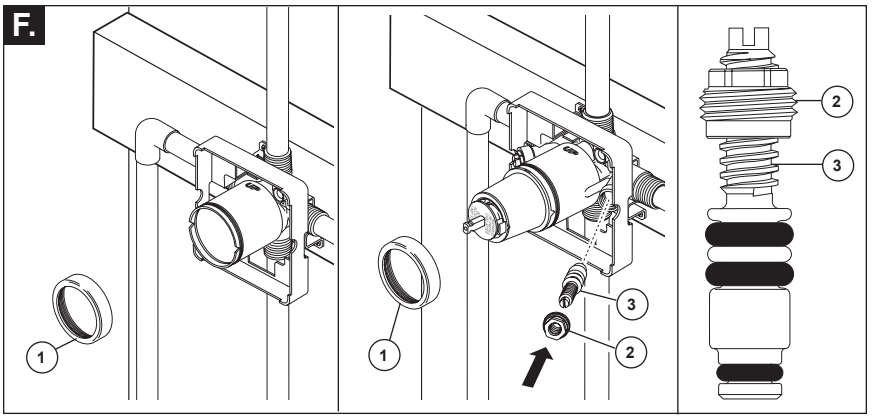
- Remove bonnet (1).
  NOTICE: Avoid soldering at high temperatures. Components of the rough could become damaged.
- Be sure stops (2) are removed from the w/stops version before soldering. Do not install stops before soldering.

E.



- Connect top outlet (1) to shower pipe with proper fittings.
- Connect bottom outlet (2) to tub spout pipe with proper fittings.
- Pipe (3) between valve body and tub spout must be a minimum of 1/2" (13 mm) copper pipe or 1/2" (13 mm) iron pipe in a **straight** drop no less than 8" (203 mm) but no more than 18" (457 mm) long with only **one** iron pipe or copper 90 degree elbow to the tub spout nipple. **Do not use PEX tubing for tub spout drop.**

F.



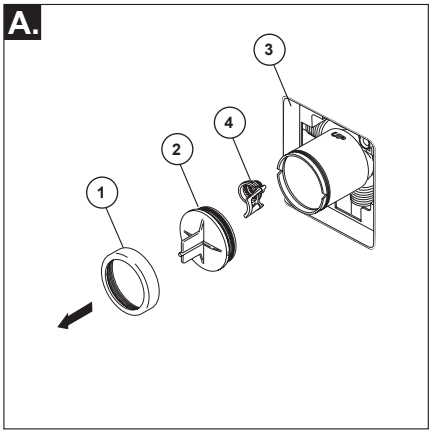
PRESSURE TESTING & FLUSHING THE INSTALLATION

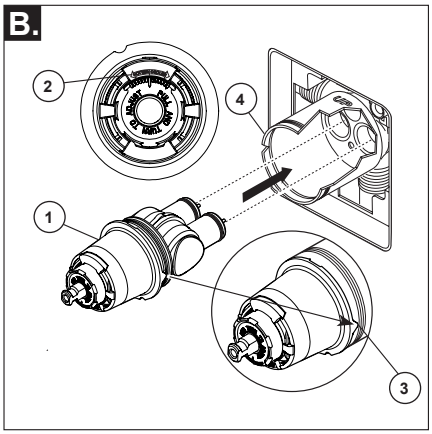
- To flush the system of debris, remove bonnet nut (1).
- Prepare the area for water spray.
- Slowly turn on the water supplies to purge the system for 30 seconds.
- After flushing, install the cartridge and bonnet nut.
- Turn cartridge stem counter clockwise until it stops.

FOR MODELS WITH STOPS, install the stops but leave them full open. Install stops as follows:

- Thread nut (2) onto stem (3) as shown. Then press stem and nut assembly into body and tighten using a 3/8",6 point, deep well socket. With a flat head screwdriver, adjust stem clockwise to close and counterclockwise to open.
- Plug the tub spout and/ or shower outlet(s) with the appropriate fitting for your piping.
- Test for leaks.
- After testing, turn off the valve by rotating the cartridge stem fully clockwise.

2 Cartridge Installation

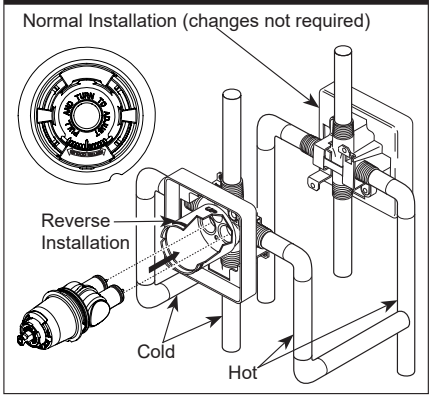




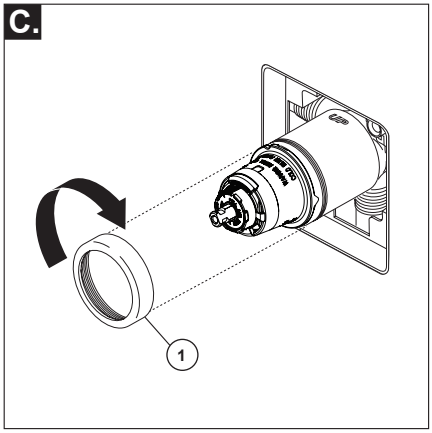
Turn off water supplies. Remove bonnet nut (1) and test cap (2) from the body. If this is not a thin wall mounting, the entire plasterguard (3) may be removed. If screen (4) is in place, remove before installing cartridge.

Rotate valve cartridge (1) so the words "HOTTER COLDER" (2) appear on the top. Insert cartridge assembly into rough-in body. A light coating of plumbers grease applied to o-rings may aid in assembly. Make sure the key (3) on the cartridge is fully engaged with the slot in the brass body (4).

Back to back Installation

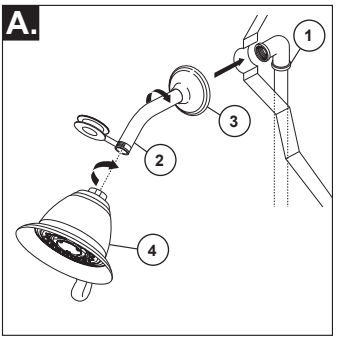


For back to back or reverse installations (hot on right and cold on left) insert the cartridge with the "hot side" on the right. If you are not making a reverse or back to back installation skip this step and continue with step 2C.

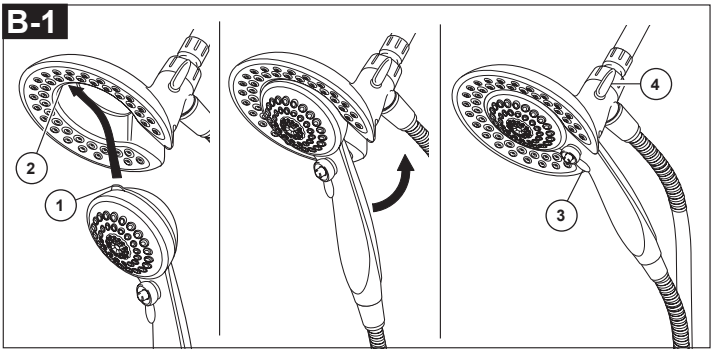


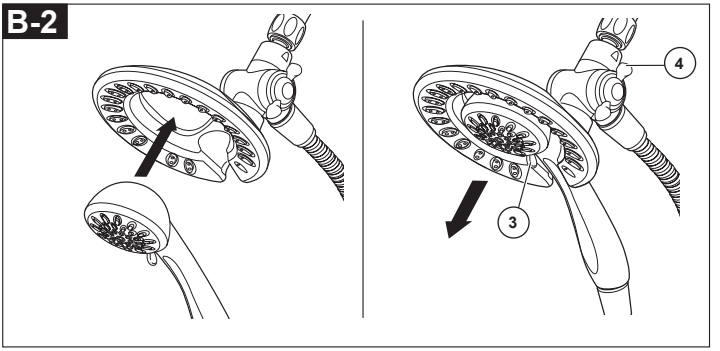
Slide bonnet nut (1) over the cartridge and thread onto the body. Hand tighten securely.

3 Shower Head and Tub Spout Installation



FOR SHOWER HEAD INSTALLATION: Connect top outlet (1) to shower arm (2) with proper fittings. To prevent damage to finish on shower arm, insert wall end of shower arm into shower flange (3) before screwing arm into riser connection. Thread shower head (4) onto shower arm. Apply plumber tape to pipe threads on both ends. Do not overtighten shower head.





B-1: To combine the two showers, insert the top tab (1) on the hand shower into the slot (2) of the shower head. Push the hand shower into the shower head until the two parts snap together.

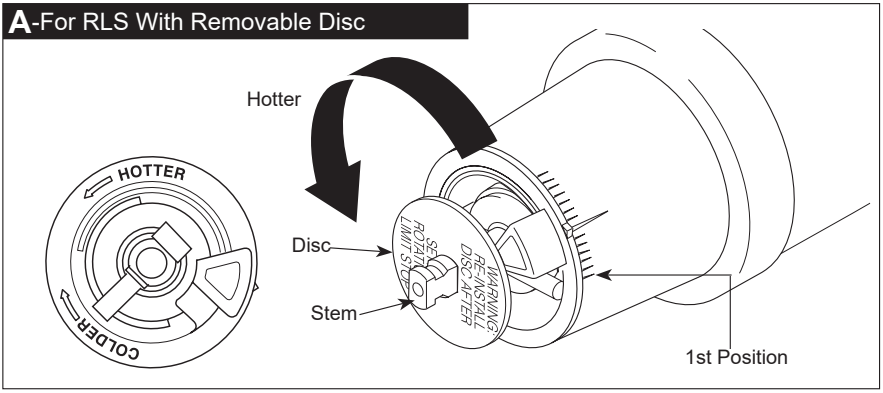
B-2: To combine the two showers, push the hand shower into the shower head, then pull down on the hand shower until locked with the shower head.
If the shower head moves when removing the hand shower, hand tighten the connection between the shower head and the shower arm.

To change spray modes, turn the lever (3) left or right to the desired setting. Turn knob (4) to change between shower head only, shower head and hand shower or hand shower only.

FOR TUB SPOUT INSTALLATION:
Refer to the installation instructions supplied with your spout. Do not connect deck mount spouts to in-wall valves. Do not use hand showers connected in lieu of a tub spout to a tub/shower valve. Do not use PEX tubing for tub spout drop.

4 Adjusting the Rotational Limit Stop

A-For RLS With Removable Disc



IMPORTANT:
The Rotational Limit Stop is used to limit the amount of hot water available such that, if set properly, the user will not be scalded if the handle accidentally is rotated all the way to “hot” when a person is showering or filling a tub. The first position allows the **LEAST** amount of hot water to mix with the cold water in the system. In the first position the water will be the coldest possible when the handle is turned all the way to hot. As you move the Rotational Limit Stop counterclockwise, you progressively add more and more hot water in the mix. The last position to the left will result in the greatest amount of hot water to the mix, and the greatest risk of scald injury if someone accidentally turns the valve handle all the way to the hot side while showering or filling a tub.

WARNING: In some instances, setting the Rotational Limit Stop in the hottest position (full counterclockwise) could result in scald injury. It is necessary to adjust the Rotational Limit Stop so that the water coming out of the valve will not scald the user when the handle of the valve is rotated to the hot side.

• According to the majority of industry standards, the maximum allowable temperature of the water exiting the valve is 120°F (Your local plumbing codes may require a water temperature less than 120°F).

• The Rotational Limit Stop may need to be re-adjusted seasonally if the inlet water temperature changes. For example, during the winter, the cold water temperature is colder than it is during the summer which could result in varying outlet temperatures. A water temperature for a comfortable bath or shower is typically between 90°F - 110°F.

• Run the water so that the cold water is as cold as it will get and hot water is as hot as it will get. Place the handle on the stem (see page 8, step 4C) and rotate the handle counterclockwise until the handle stops.

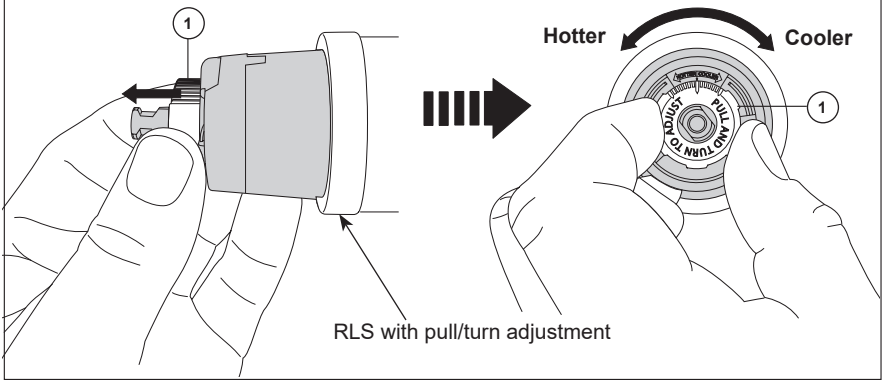
• Place a thermometer in a plastic tumbler and hold in the water stream. If the water temperature is above 120°F, the Rotational Limit Stop must be repositioned clockwise to decrease valve outlet water temperature to be less than 120°F or to meet the requirements of your local plumbing codes.

• To adjust the temperature of the water coming out of the valve, pull the disc back to a position where it is possible to remove the Rotational Limit Stop and readjust the teeth engagement position to the desired temperature. Clockwise will decrease the outlet temperature, counterclockwise will increase the outlet temperature. Temperature change per tooth (notch) could be 4° - 16°F based on inlet water conditions. Repeat as necessary. Push disc until fully seated.

WARNING: Failure to re-install Disc after setting Rotational Limit Stop could result in scald injury.

• MAKE SURE COLD WATER FLOWS FROM THE VALVE FIRST. MAKE SURE WATER FLOWING FROM THE VALVE AT THE HOTTEST FLOW POSSIBLE DOES NOT EXCEED 120°F OR THE MAXIMUM ALLOWED BY YOUR LOCAL PLUMBING CODE.

B-For RLS With Pull/Turn Adjustment



IMPORTANT:
The Rotational Limit Stop is used to limit the amount of hot water available such that, if set properly, a scald injury is less likely to occur if the handle accidentally is rotated all the way to "hot" when a person is showering or filling a tub. The first position allows the **LEAST** amount of hot water to mix with the cold water in the system. In the first position the water will be the coldest possible when the handle is turned all the way to hot. As you move the Rotational Limit Stop counterclockwise, you progressively add more and more hot water in the mix. The last position to the left will result in the greatest amount of hot water to the mix, and the greatest risk of scald injury if someone accidentally turns the valve handle all the way to the hot side while showering or filling a tub.

WARNING: In some instances, setting the Rotational Limit Stop in the hottest position (full counterclockwise) could result in scald injury. It is necessary to adjust the Rotational Limit Stop so that the water coming out of the valve will not scald the user when the handle of the valve is rotated to the hot side.

• According to the majority of industry standards, the maximum allowable temperature of the water exiting the valve is 120°F (Your local plumbing codes may require a water temperature less than 120°F).

• The Rotational Limit Stop may need to be re-adjusted seasonally if the inlet water temperature changes. For example, during the winter, the cold water temperature is colder than it is during the summer which could result in varying outlet temperatures. A water temperature for a comfortable bath or shower is typically between 90°F - 110°F.

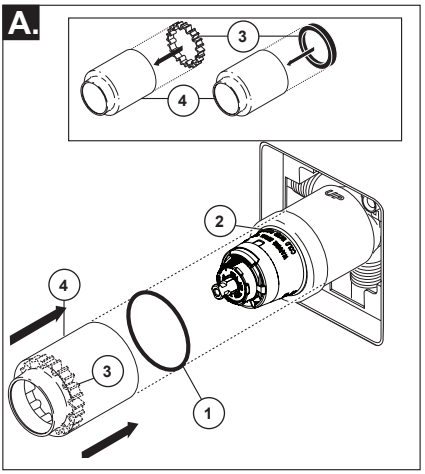
• Run the water so that the cold water is as cold as it will get and hot water is as hot as it will get. Place the handle on the stem (see page 8, step 4C) and rotate the handle counterclockwise until the handle stops.

• Place a thermometer in a plastic tumbler and hold in the water stream. If the water temperature is above 120°F, the Rotational Limit Stop must be repositioned clockwise to decrease valve outlet water temperature to be less than 120°F or to meet the requirements of your local plumbing codes.

• To adjust the temperature of the water coming out of the valve, pull the white Rotational Limit Stop (1) outward and rotate. Clockwise rotation will decrease the outlet temperature, counterclockwise rotation will increase the outlet temperature. Temperature change per tooth (notch) could be 4° - 16°F based on inlet water conditions. Repeat as necessary. When finished, make sure that the Rotational Limit Stop is fully retracted into the seated position. **WARNING: Do not take the Rotational Limit Stop apart.**

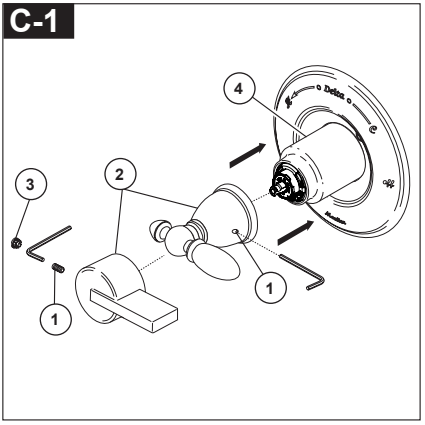
• MAKE SURE COLD WATER FLOWS FROM THE VALVE FIRST. MAKE SURE WATER FLOWING FROM THE VALVE AT THE HOTTEST FLOW POSSIBLE DOES NOT EXCEED 120°F OR THE MAXIMUM ALLOWED BY YOUR LOCAL PLUMBING CODE.

5 Trim Installation

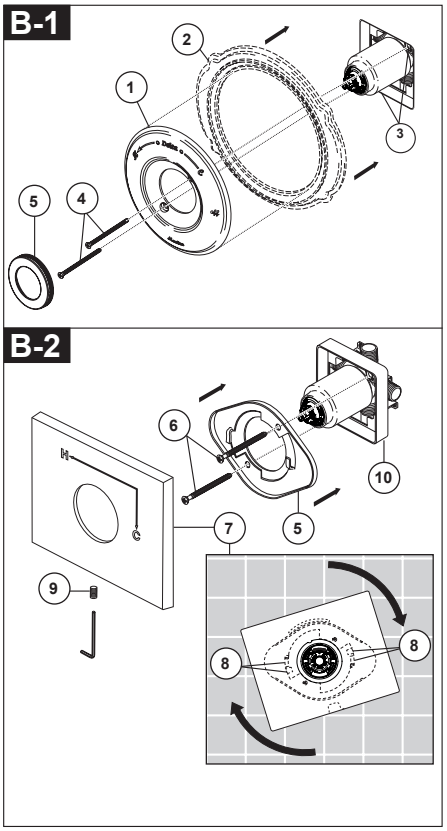


Slide O-ring (1) over cartridge and the bonnet nut (2). The O-ring, which acts as a spacer to steady the sleeve, should rest behind the bonnet nut.

If your model requires a spacer (3), insert it into the sleeve (4) and push it to the front. Slide the sleeve over the cartridge, body and O-ring.



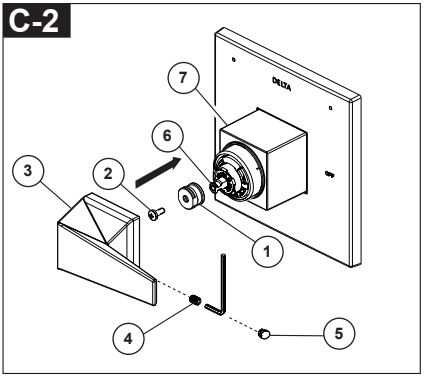
Using an Allen wrench to secure the set screw (1), install the handle (2) onto the stem and tighten set screw. Insert plug button (3) (if your model has one) into set screw hole. Adjust the sleeve (4) to minimize the gap between the sleeve & handle.



Note: Adust for up to 1" thick wall. For thick wall installation, visit delta faucet website, check "view technical specification" of the models you bought, order the appropriate thick wall installation kit RP to get additional 1 3/4" wall thickness.

B-1: Secure the escutcheon (1) and backplate (2) (if your model has one) to the bracket (3) using the 2 screws (4) provided. Do not overtighten escutcheon screws. Press the cover (5) onto the escutcheon (1) when your product includes the cover.

B-2: Remove plaster guard (10). Install bracket (5) over the cartridge body using the 2 screws (6) provided. Install escutcheon (7) by placing it over the bracket as shown and rotating it to lock the tabs (8). Secure the escutcheon to the bracket using set screw (9).



Install adapter (1) on cartridge stem (6) with screw (2).
Thread set screw (4) into handle (3) slightly, put handle (3) on adapter (1) , hold and adjust the handle (3) at OFF position to ensure it well aligned with sleeve (7). Then tighten set screw (4).
Apply pressure, insert button (5) until properly seated. Adjust the sleeve (7) to minimize the gap between the sleeve & handle.

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.

Warning: Scrubbing Bubbles® Bathroom Cleaner and Lysol®Basin Tub and Tile Cleaner must not be used on the clear knob handles and levers. Use of these cleaners can result in cracked or severely damaged handles. If overspray gets onto the handles, immediately wipe them dry with a soft cotton cloth.

Maintenance

Faucet leaks from tub spout/shower head:
SHUT OFF WATER SUPPLIES.
Replace seats and springs–Repair Kit RP4993. Check condition of lower O-rings and replace if necessary RP14414. See Helpful Hints 1, 2, & 3.

If leak persists:
SHUT OFF WATER SUPPLIES.
Replace valve cartridge RP46074.
See Helpful Hints 1, 2, 3, 4 & 5

Unable to maintain constant water temperature:
Replace housing assembly with RP46074 or follow instructions in Helpful Hints 1, 2, 3, 4 & 5.

Helpful Hints:
1. Before removing 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 valve to make sure COLD WATER FLOWS FIRST.

2. To remove valve cartridge from body, shut off water supplies and remove handle and bonnet nut. Do not pry the valve cartridge out of the body with a screwdriver. Place handle on stem and rotate counterclockwise approximately 1/4 turn after the stop has been contacted. Lift valve cartridge out of body.

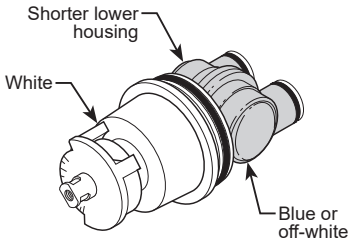
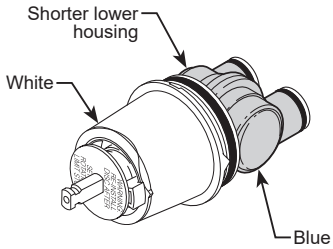
3. To remove seats and springs.
Remove valve cartridge. Separate cap assembly from the housing assembly by rotating the cap assembly counterclockwise 90 o (degrees). Separate cap and housing assemblies.

4. 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 instructions given in note 1 above. If there is no rattle, replace the housing assembly with the proper RP.

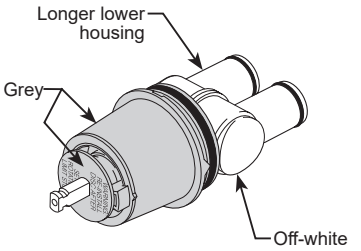
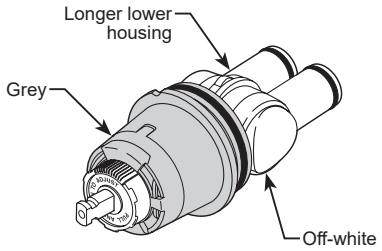
5. Push disc until fully seated. See page 9 for more details

Cartridge Summary Reference Sheet

Monitor® Series 1300/1400

Cartridge shipped before March 2006.	Cartridge shipped in July 2006 and after (prior to MultiChoice® transition).
	
Order RP19804 to replace cartridge.	Order RP19804 to replace cartridge.

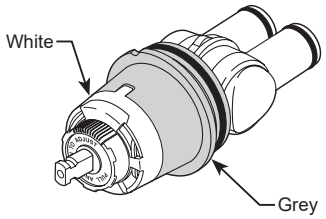
MultiChoice® 13/14

Cartridge shipped from March 2006 to August 2014.	Cartridge shipped in August 2014 and after.
	
Order RP46074 to replace cartridge.	Order RP46074 to replace cartridge.

NOTE: A running change for MultiChoice® 13/14 valves began August 2014, and features a new Rotational Limit Stop.

MultiChoice® 13/14 (Ceramic)

Cartridge shipping in select models (-CER).



Order RP74236 to replace cartridge.