



ENGINEERING EXCELLENCE

## Installation Guide

Single Handle Tub And Shower Trim Set:

- 4CL100T
- 4CL200T
- 4CL300T

This product meets the following standards:

- ASME A112.18.1
- ANSI A117.1
- CUPC/ IAPMO LISTED/ ADA COMPLIANT

**Thank you for purchasing this Pioneer quality product.**

**Tools Required**



Strap Wrench

Teflon Tape

Thermometer

Allen Wrench

Plumbers Putty

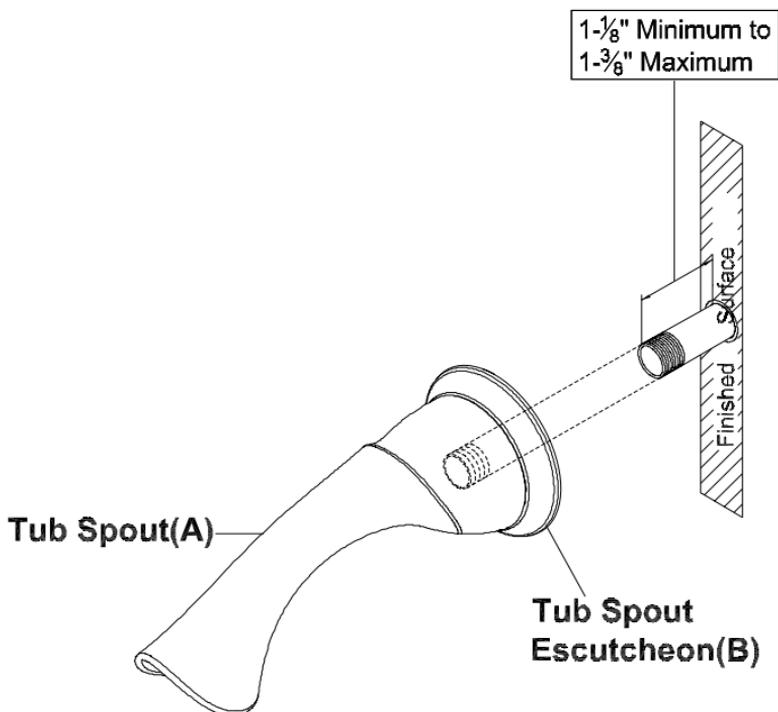
**Prior to Installation**

- Observe all local plumbing and building codes before you begin installation.
- The finished wall and rough-in valve (4020B or 4020B-D) must be installed prior to installing this trim.
- Shut off main water supply.
- Pioneer reserves the right to make changes in the design of faucets without notice as specified in the pricebook.

**Caution:** (1). These products may cause personal injury due to scalding if the temperature is set too high. We recommend that temperature is set below 120 ° F (49 ° C).

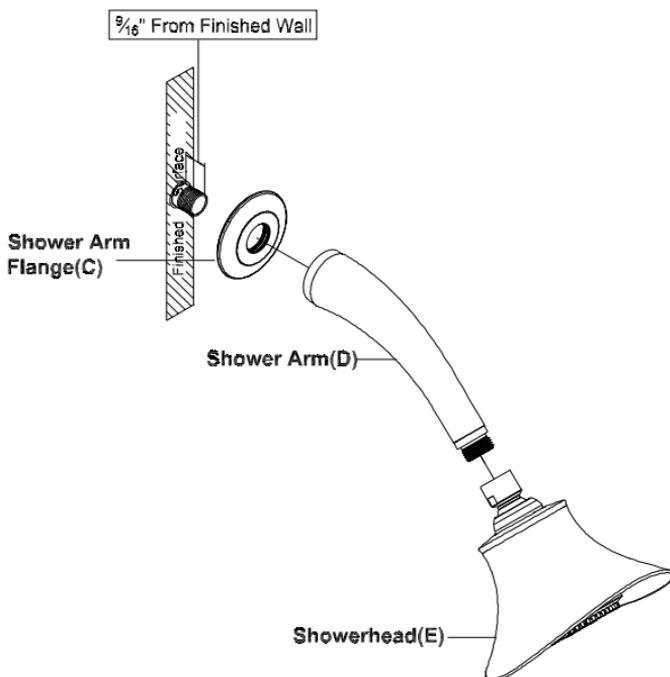
## Trim Installation

- Remove the temporary nipple.
- The 1/2" threaded pipe nipple must be kept with a length of minimum 1-1/8" to maximum 1-3/8" from finished surface of the tub or wall.
- For tub spout(A) with tub spout escutcheon(B) slide the spout escutcheon(B) along the pipe nipple. Apply Teflon Tape at the threaded connection. Screw Tub spout(A) onto the pipe nipple and tighten by strap wrench.



## Trim Installation

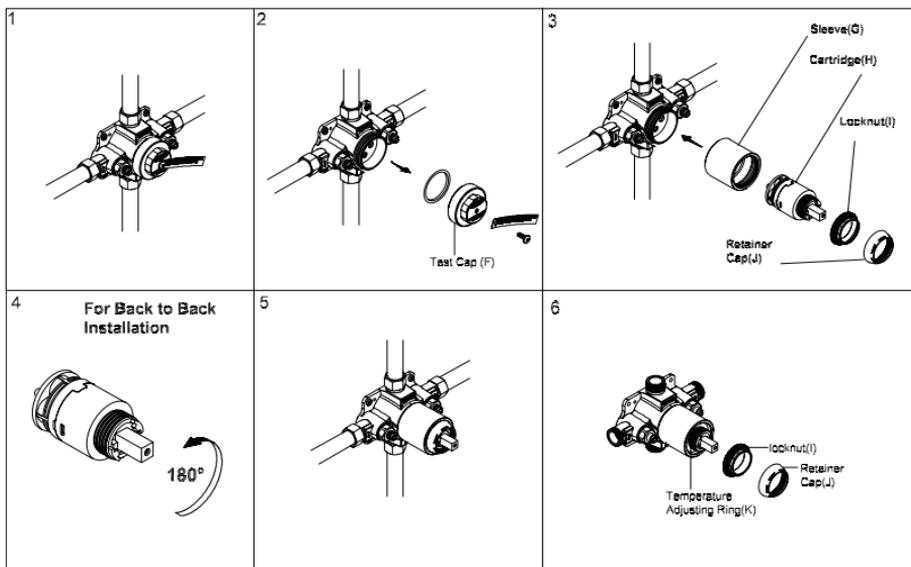
- Caution:- To avoid plugging the showerhead spray outlet use teflon tape on the shower arm threads.
- Remove temporary nipple from the shower elbow.
- Ensure the 1/2" nipple is 9/16" from the finished wall surface.
- Use silicon to caulk the back of the shower arm flange (C).
- Slide the shower arm flange (C) over the shower arm (D).
- Apply the teflon tape on the thread of 1/2" nipple and install the shower arm (D) to the 1/2" nipple.
- Carefully tighten with a clean strap wrench.
- Press the shower arm flange (C) against the finished wall.
- Turn on the main watersupply to flush any debris out of the system, then turn off the main water supply.
- Apply teflon tape to the shower arm and thread the showerhead(E) to the shower arm (D).



## Trim Installation

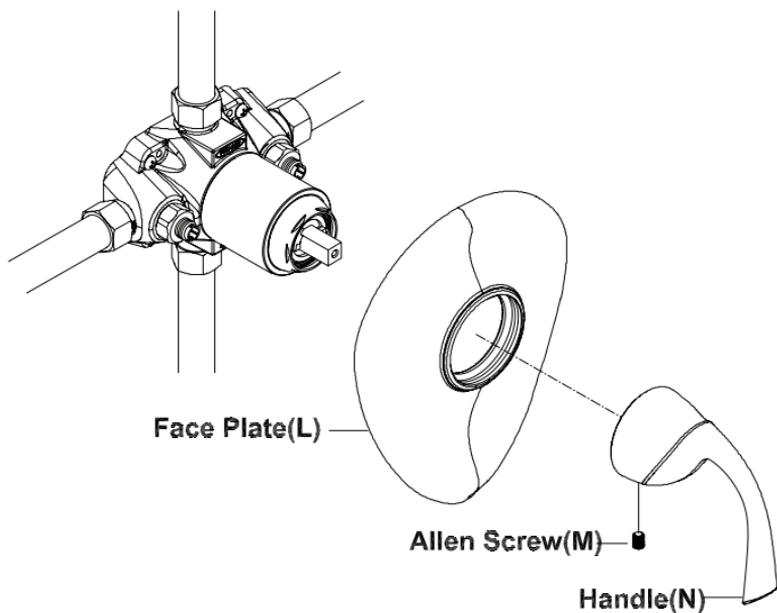
1. Turn off the main water supply
2. Remove test cap (F) with the help of 1-11/32" socket, ensure all the debris are flushed out of the system. relive the water pressure.
3. Thread sleeve (G) to the valve body. Insert the cartridge (H) to the valve body. Ensure the 'UP' symbol on the cartridge is on the top. Ensure the two notches underneath of the cartridge seats properly in the valve body. Hold the cartridge (H) and thread the locknut (I) to sleeve (G). Thread retainer cap (J) to locknut (I).
4. For back to back installation:- Rotate the cartridge 180 degree. Ensure 'B-B UP' symbol on the cartridge is on the top. Follow the instruction on 3 to install sleeve (G), locknut (I) and retainer cap (J).
5. Turn on the main water supply. Check for any leak. Use handle (N) counterclockwise to turn on the water to the full open position. Allow water to run for some time until the hot water comes out. Check the temperature with thermometer for the hot water.
6. If necessary to reduce the hot water temperature then, turn off the main water supply. Remove the cartridge by removing retainer cap(J) and locknut (I). Turn red temperature adjusting ring (K) clockwise to decrease the temperature. Follow instruction 3 or 4 to reassemble the cartridge (H). Ensure the hot water temperature is set below 120 ° F.

## Trim Installation



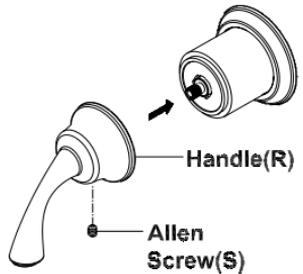
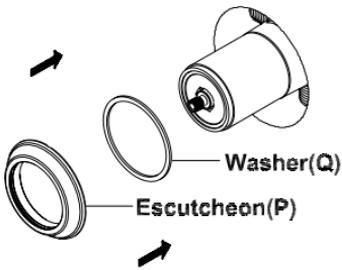
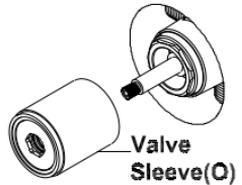
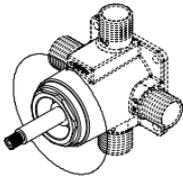
## Trim Installation

- Slide the face plate (L) on the valve.
- Use silicon to caulk around the face plate (L).
- Secure the handle (N) by tightening the allen screw (M). Ensure the handle rotates counterclockwise from cold to hot from 6 o'clock to 3 o'clock.



## Trim Installation

- Remove the test cap if placed on the valve.
- Thread the valve sleeve (O) on the valve.
- Slide the escutcheon (P) on the valve sleeve. Ensure the washer (Q) is behind the escutcheon (P). If necessary apply silicon to caulk around the escutcheon (P) to form watertight seal.
- Install the handle (R) on the valve. Tighten the allen screw (S) with 3/32" size allen wrench.
- Check if water diverts from tub spout to showerhead properly.



For more care information or trouble shooting inquiries about your Pioneer Product, please see the contact information on the back page.



ENGINEERING EXCELLENCE

3325 S. Garfield Ave. | Commerce, CA 90040  
Telephone: (800) 338-9468 | (323) 888-8873 | Fax: (323) 888-9515  
Hours: M - F, 7:30am to 5:00pm PST  
[www.pioneerind.com](http://www.pioneerind.com)