

CALIFORNIA FAUCETS RECOMMENDS THAT ALL PLUMBING PRODUCTS BE INSTALLED BY A LICENSED PROFESSIONAL

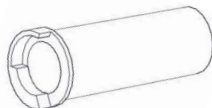
If thermostatic trim does not attach to the installed valve because the valve is positioned too far into the finished wall, this extension kit will extend the valve's cartridge nut an additional 3/4" maximum and allow installation of originally supplied trim. Kit parts shown below:



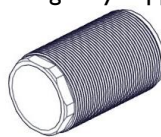
Extended  
Screw



Stem  
Extension



Extended Temperature  
Limit Stop



Extended  
All Thread



Packing Nut

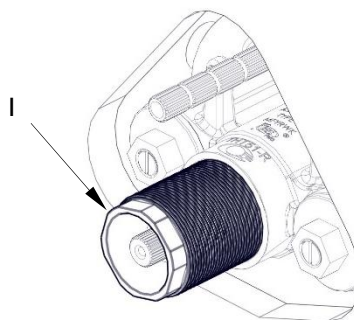
## I DETERMINE VERSION OF VALVE

- Determine which thermostatic valve is installed. If the valve's ALL THREAD (1) is silver in color, it is the Gen 1 valve. If the valve's ALL THREAD (1) is a gold color and has a PACKING NUT (2), it is a Gen 2 valve.
- If assembling a Gen 1 valve, move onto step 2
- If assembling a Gen 2 valve, move onto step 4

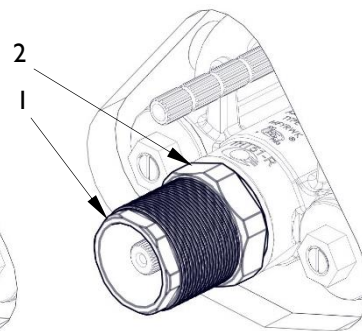
Stainless Steel  
(silver color)



Brass  
(gold color)



Gen 1

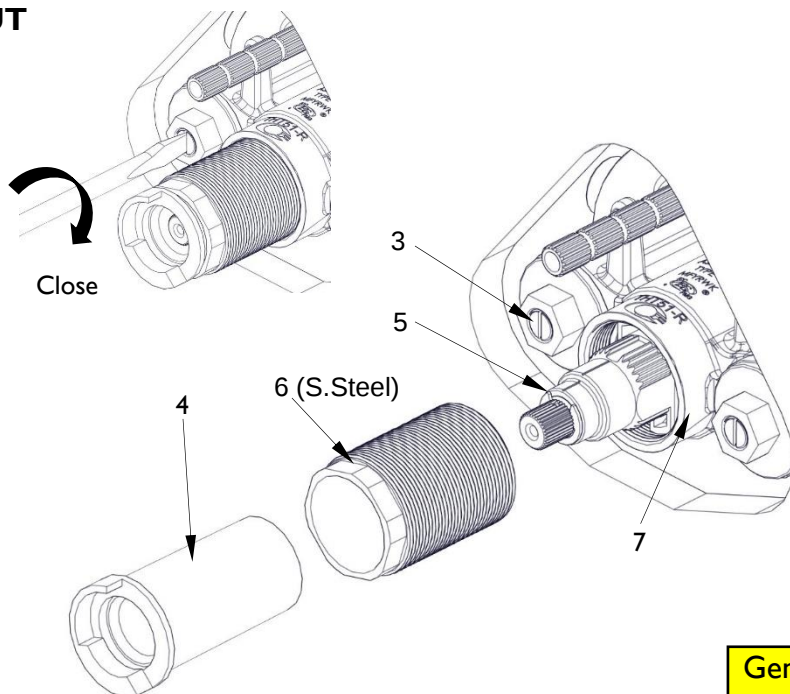


Gen 2

## 2 REMOVE SUPPLIED CARTRIDGE NUT

**NOTE:** Installation of extension for a Gen 1 Thermostatic valve

- Shut off water supply to thermostatic cartridges by turning hot & cold SERVICE STOP SCREW (3) clockwise (inward) until screw stops
- Remove plastic TEMPERATURE LIMIT STOP (4) from THERMOSTATIC CARTRIDGE (5)
- Remove ALL THREAD (1) from valve BODY (6)



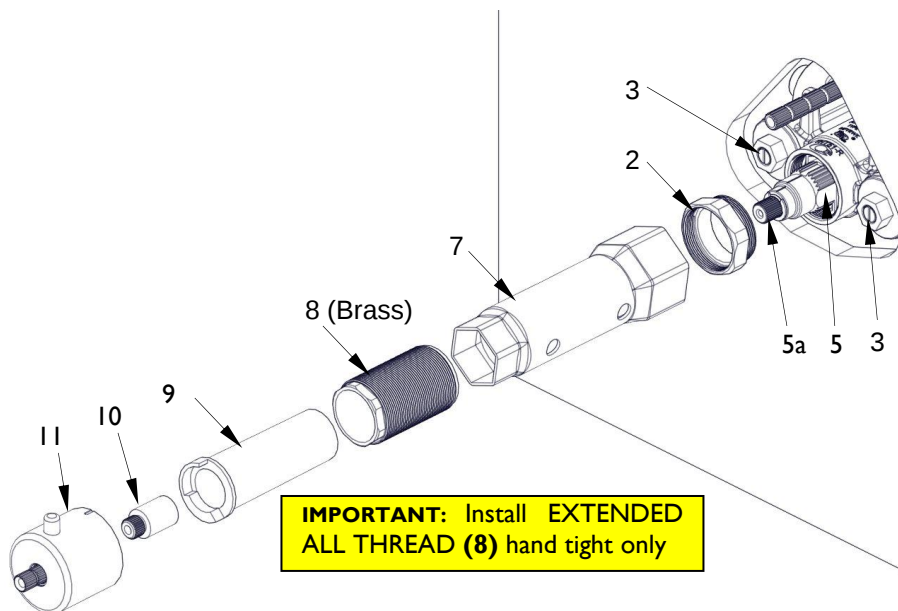
Gen 1

### 3

## INSTALL EXTENSION KIT

**NOTE:** Installation of extension for a Gen 1 Thermostatic valve

- Tighten PACKING NUT (2) to factory torque setting of 10 ft-lb (13.6 Nm) using WRENCH (7) SPD-880618-91 (sold separately)
- Install EXTENDED ALL THREAD (8) onto PACKING NUT (2) hand tight only
- Fully open water supply to thermostatic cartridge by turning hot & cold SERVICE STOP SCREW (3) counter-clockwise (outward) until screw stops
- Push plastic EXTENDED TEMPERATURE LIMIT STOP (9) onto THERMOSTATIC CARTRIDGE (5) as shown
- Temporarily place STEM EXTENSION (10) and BONNET (11) onto THERMOSTATIC CARTRIDGE STEM (5a)
- Continue to Step 6



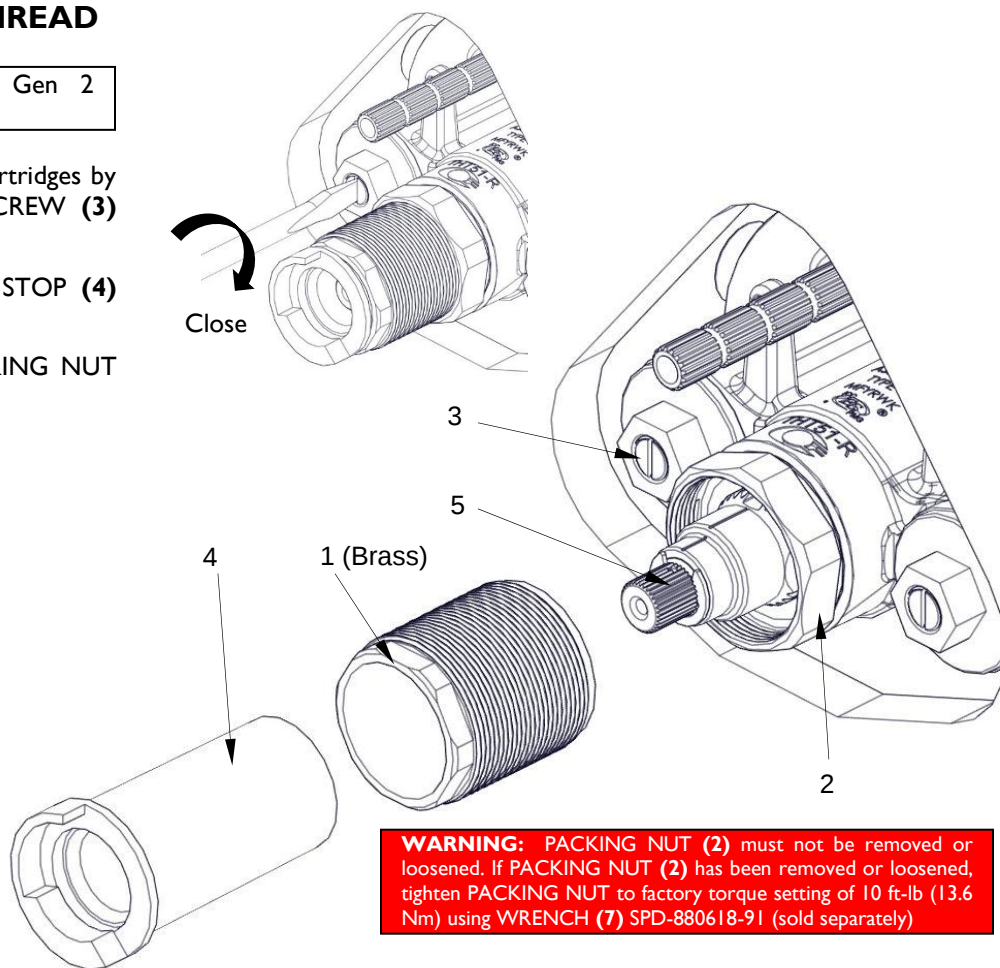
Gen 1

### 4

## REMOVE SUPPLIED ALL THREAD

**NOTE:** Installation of extension for a Gen 2 Thermostatic valve

- Shut off water supply to thermostatic cartridges by turning hot & cold SERVICE STOP SCREW (3) clockwise (inward) until screw stops
- Remove plastic TEMPERATURE LIMIT STOP (4) from THERMOSTATIC CARTRIDGE (5)
- Remove ALL THREAD (1) from PACKING NUT (2)



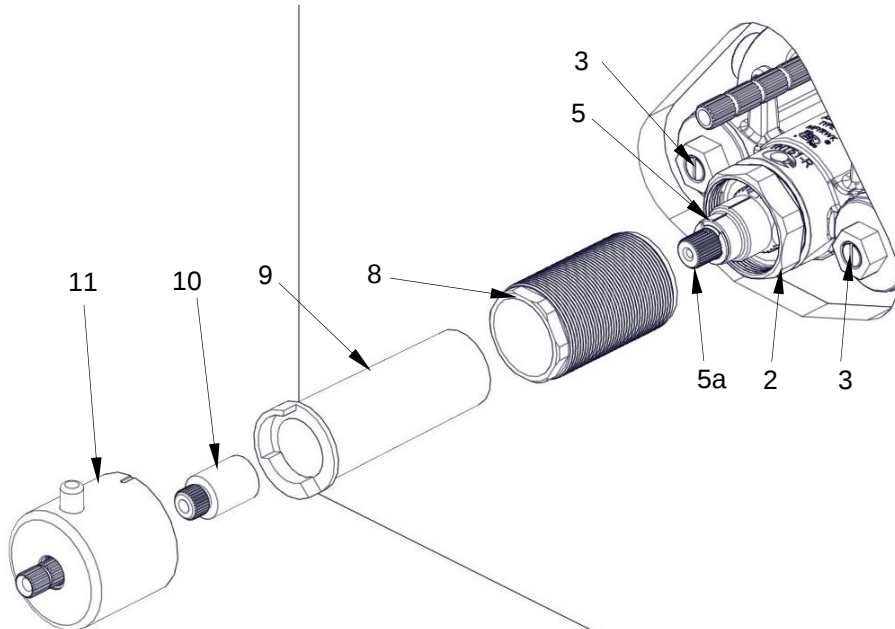
Gen 2

## 5

### INSTALL EXTENSION KIT

**NOTE:** Installation of extension for a Gen 2 Thermostatic valve

- Install EXTENDED ALL THREAD (8) into PACKING NUT (2) hand tight only
- Fully open water supply to thermostatic cartridge by turning hot & cold SERVICE STOP SCREW (3) counter-clockwise (outward) until screw stops
- Push plastic EXTENDED TEMPERATURE LIMIT STOP (9) onto THERMOSTATIC CARTRIDGE (5) as shown
- Temporarily place STEM EXTENSION (10) and BONNET (11) onto THERMOSTATIC CARTRIDGE STEM (5a)



Gen 2

## 6

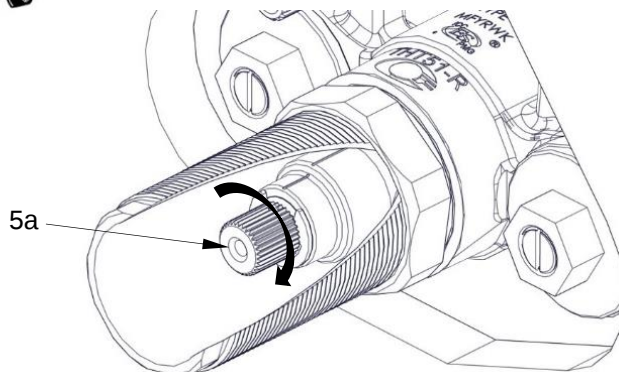
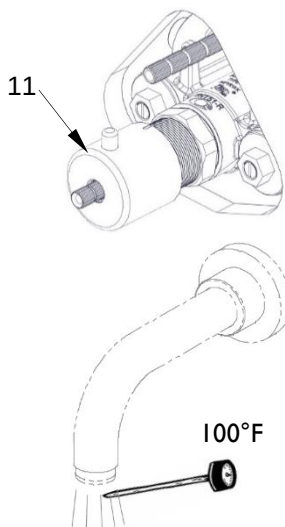
### TEMPERATURE SETTING

- Use temperature measuring device to confirm temperature is 100°F when BONNET (11) button is positioned straight up at 12 o'clock
- When button on BONNET (11) is depressed and rotated full left (CCW), the maximum temperature discharged from valve will be 115°F

**Note:** Follow all applicable local plumbing codes when setting maximum discharge water temperature

- Carefully remove BONNET (11) and place aside until trim is installed

**Note:** If temperature is not 100°F with BONNET (11), button at 12 o'clock, the CARTRIDGE STEM (5a) must be rotated to change temperature setting (clockwise (CW) for cooler & counter-clockwise (CCW) for warmer)



Rotate CW for Cooler (shown)  
Rotate CCW for Warmer

## INSTALL TRIM

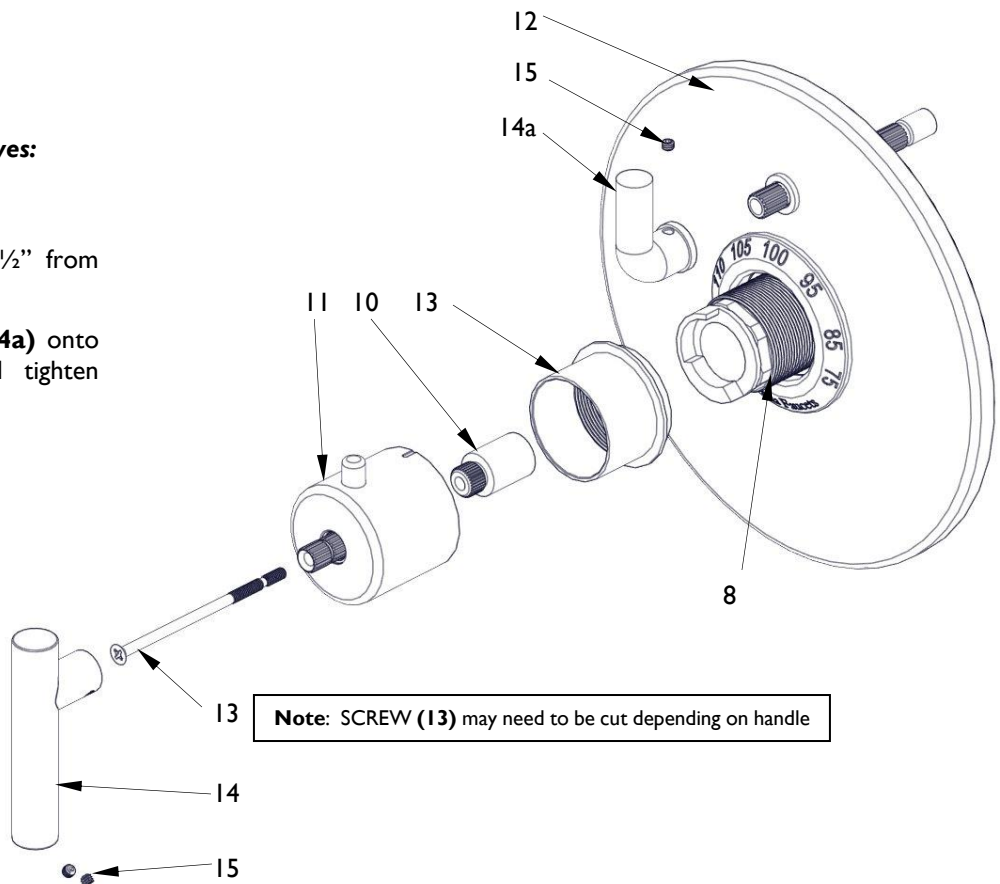
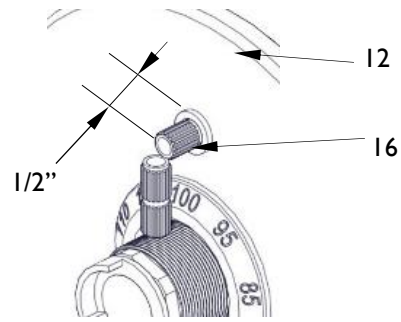
- Position **FACEPLATE (12)** onto **EXTENDED ALL THREAD (8)** as shown
- Install **SLEEVE (13)** onto **EXTENDED ALL THREAD (8)** and tighten to secure **FACEPLATE (12)** against shower wall
- Place **STEM EXTENSION (10)** and **BONNET (11)** onto **THERMOSTATIC CARTRIDGE STEM (5a)**
- Secure **BONNET (11)** with **SCREW (13)**
- Place **HANDLE (14)** onto **BONNET (11)** and tighten handle **SETSCREW (15)**

**Proceed to the following for StyleTherm valves:**

**THT51-R** with single volume control

**THT52-R** with dual volume controls

- Cut **VOLUME CONTROL STEM (16)**, 1/2" from surface of **FACEPLATE (12)**
- Place **VOLUME CONTROL HANDLE (14a)** onto **VOLUME CONTROL STEM (16)** and tighten **SETSCREW (15)**



**Note:** SCREW (13) may need to be cut depending on handle