

1-11/32" Socket Recommended

To replace the thermostatic cartridge, you will need to remove the cartridge holding nut using a 1-11/32" socket with a long handle.

Lubricate Rubber O-Rings

Apply Plumber's Grease on the Rubber O-Rings of the Thermostatic Cartridge to facilitate installation and preserve the rubber.

Calibrate Thermostatic Cartridge

When replacing the thermostatic cartridge, **calibrate the cartridge by setting the hot and cold temperature limits**, to protect the user from excessively hot water when bathing.

See Installation Instructions for details.

Do Not Turn Cartridge More than 120°

The thermostatic cartridge turns about 120°. **Do not forcefully turn the cartridge more than 120°**, because you will break the cartridge and void the warranty.

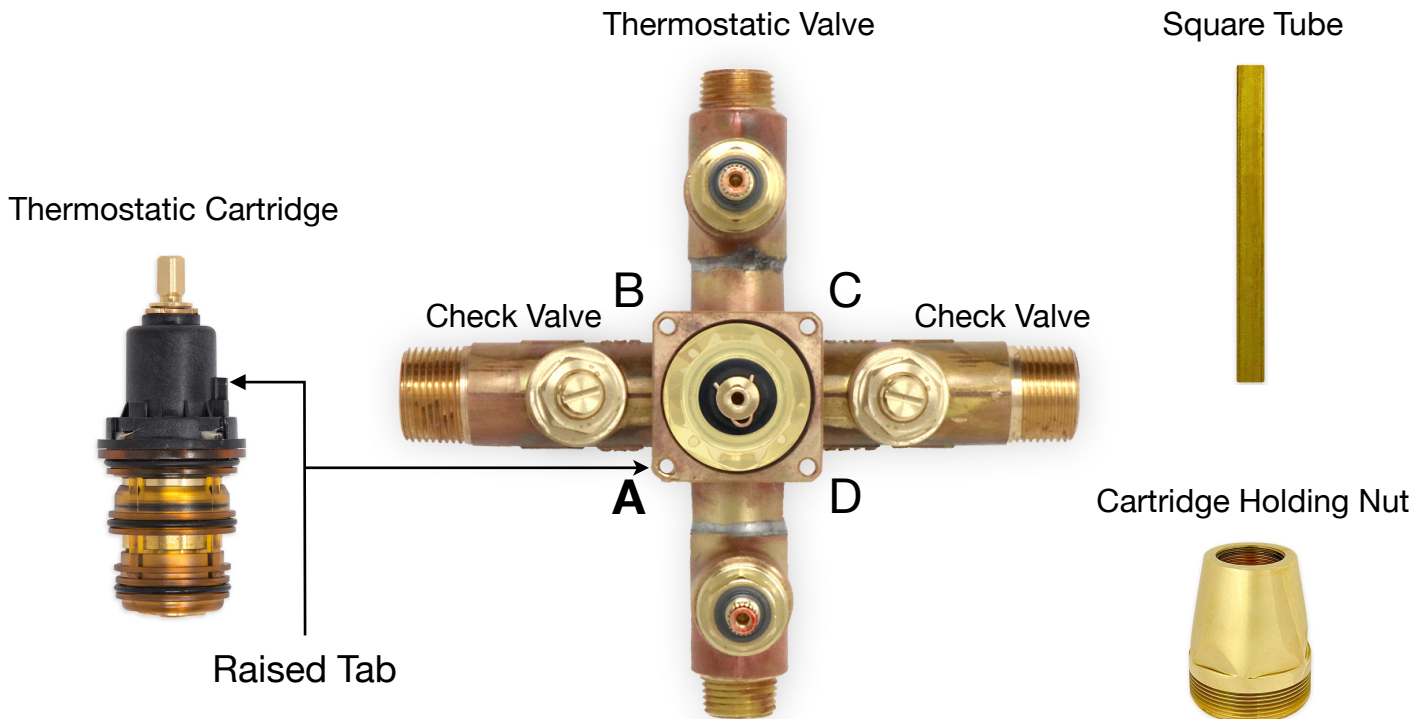
NOTE: Before shipping the thermostatic cartridge, we inspected it to ensure it was in good condition.



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Setting Thermostatic Cartridge Position Within Valve

- 1. Position Thermostatic Cartridge With the Raised Tab Facing Corner Screw Hole "A"**
 - Install the Thermostatic Cartridge so the Raised Tab is at the corner of screw hole "A" shown below.
- 2. Test the Water Temperature From Extreme Cold to Extreme Hot**
 - Attach the Cartridge Holding Nut.
 - Turn the water on to the shower valve by turning the Hot Check Valve and Cold Check Valve to the open position.
 - Insert the Square Tube onto the tip of the Thermostatic Cartridge.
 - Turn the Square Tube from extreme cold to extreme hot. The water temperature should adjust accordingly.
 - If the water does not get very hot when in the extreme hot position, follow step 3 below.
- 3. Position Thermostatic Cartridge With the Raised Tab Facing Corner Screw Hole "B"**
 - Turn the water off to the shower valve by turning the Hot Check Valve and Cold Check Valve to the close position.
 - Remove Square Tube and Cartridge Holding Nut.
 - Remove the Thermostatic Cartridge by rotating it counterclockwise only and then pulling it out.
 - Rotate the Thermostatic Cartridge in your hand so that the Raised Tab is at the corner of screw hole "B" shown below.
 - Insert the Thermostatic Cartridge in the Valve Body by pushing it all the way in.
 - Follow Step 2 above to re-test the water temperature range.
 - If the water does not get very hot when in the extreme hot position, follow step 4 below.
- 4. Position Thermostatic Cartridge With the Raised Tab Facing Corner Screw Hole "C"**
 - Install the Thermostatic Cartridge so the Raised Tab is at the corner of screw hole "B" shown below.
 - Follow Step 2 above.
 - If the water does not get very hot when in the extreme hot position, follow step 5 below.
- 5. Position Thermostatic Cartridge With the Raised Tab Facing Corner Screw Hole "D"**
 - Install the Thermostatic Cartridge so the Raised Tab is at the corner of screw hole "B" shown below.
 - Follow Step 2 above.



Initial starting location of raised tab at corner of screw hole position "A."