CERATHERM

Installation Instructions T050.541

3/4" CLASSIC THERMOSTAT TRIM KIT with SEPARATE VOLUME CONTROL

Thank you for selecting American-Standard...the benchmark of fine quality for over 100 years.

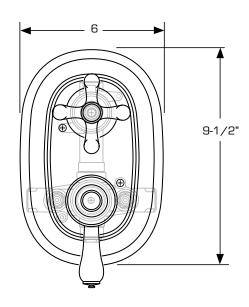
To ensure that your installation proceeds smoothly-please read these instructions carefully before you begin.

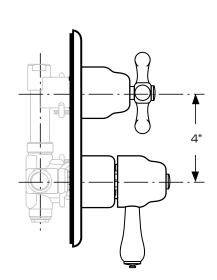


Certified to comply with ANSI A112.18.1M ASSE 1016

M968419 REV 1.1

ROUGHING-IN DIMENSIONS

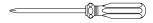




Recommended Tools







Phillips Screwdriver

CARE INSTRUCTIONS:

- To keep your new faucet looking new, please follow these simple care instructions:
 - **DO:** Simply rinse the faucet clean with clear water.
 - Dry the faucet with a soft cotton cloth.

DO NOT:

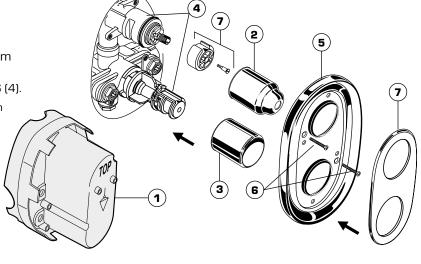
- Do not use any abrasive cleaners, cloths, or paper towels.
- Do not use any cleaning agents containing acids, polish abrasives, or harsh cleaners or soaps.
- Regular and routine cleaning will reduce the need for heavy cleaning and polishing. If heavy cleaning is required, the following procedures are recommended:

- Remove as much surface dirt and film using clear water and soft cotton cloth (as described above).
 - Use any of the following to remove tough surface film and build-up:
 - Mild liquid detergents
 - Clear ammonia free liquid glass cleaners
 - Non-acidic, non-abrasive gentle liquid or fully dissolved powder cleansers mixed according to manufacturers directions.
 - Non-abrasive liquid polishers
- Once clean, rinse faucet again with clear water to thoroughly remove cleaner or polish and blot dry with a soft cotton cloth.

Failure to follow these care instructions may damage the Faucet's finish.

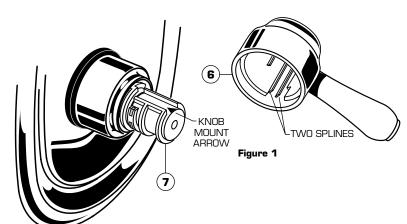
TRIM INSTALLATION

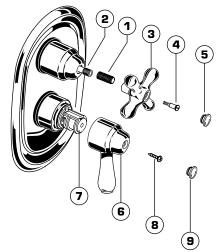
- Remove PLASTER GUARD (1).
- Remove HANDLE SCREW and ADAPTER (7) from rough valve.
- Push CAPS (2 & 3) as shown onto CONTROL VALVES (4).
- Push ESCUTCHEON (5) onto CAPS (2 & 3) and attach with (60mm) SCREWS (6) to valve.
- Push COVER PLATE (7) onto CAPS (2 & 3) and snap into holes in ESCUTCHEON (5) to secure.



2 INSTALL HANDLES

- Install HANDLE ADAPTER (1) onto VOLUME CONTROL SPLINE (2).
- Align CROSS HANDLE (3) and push onto HANDLE ADAPTER (1). Install HANDLE SCREW (4) in CROSS HANDLE (3) and tighten with flat blade screwdriver. Insert index button (5).
- Align the two splines in LEVER HANDLE (6) with the knob mount arrow (Figure 1) and push LEVER HANDLE (6) onto KNOB MOUNT (7). Install HANDLE SCREW (8) in LEVER HANDLE (6) and tighten with phillips screwdriver. Insert index button (9).

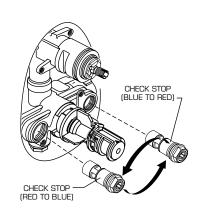




TRANSPOSED SUPPLY PIPING OR BACK TO BACK INSTALLATION

Should the hot and cold water supply pipes have been transposed making adjustment impossible, proceed as follows:

- Shut off water supply.
- Remove handle and rim. (Reverse steps 1 and 2.
- Remove check stops and re-install them transposed.
- Important note: RED CHECK STOP is now on the right of the mixer body and the BLUE CHECK STOP is now on the left.
- Turn the water supply back on and perform the temperature adjustment in step 2.
- Assemble HANDLES and TRIM.



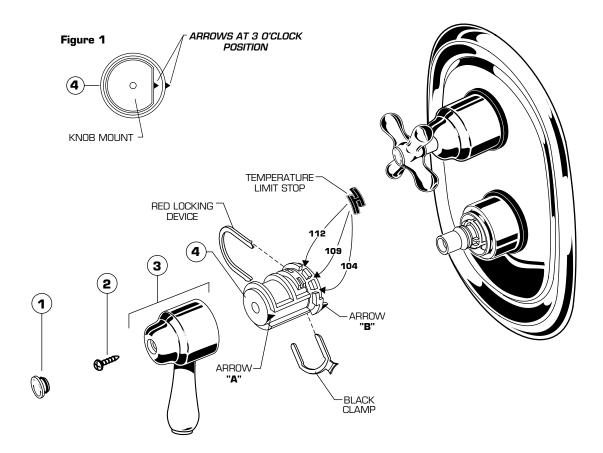
4

TEMPERATURE ADJUSTMENT

- Pull out INDEX BUTTON (1) and remove LEVER HANDLE SCREW (2). Pull off LEVER HANDLE ASSEMBLY (3).
- Check that arrow marking B points to the 3 o'clock position. If not, push the BLACK CLAMP on the SECURING RING to the right, pull off KNOB MOUNT (4) and reinstall KNOB MOUNT (4) with arrow "B" 3 o'clock position. See Figure 1.

SET HOT LIMIT STOP

- The maximum mixed water temperature is set at 109 F at the factory. This setting can be changed if desired.
- Remove the TEMPERATURE LIMIT STOP (H shaped Black Plastic part). Reinstall it at the desired notch as indicated in the diagram to limit the maximum mixed water temperature to 104 F or 112 F.
- For 100 F adjustment, turn the water supply on. Turn KNOB MOUNT (4) until the spout temperature is 100 F. Check that arrow "A" on the KNOB MOUNT (4) still points 3 o'clock position after adjusting the thermostat to 100 F. If not, pull out the RED LOCKING DEVICE. Remove KNOB MOUNT (4) by pulling it towards you while standing directly in front of the valve.
- Reinstall the KNOB MOUNT (4) with arrow "A" 3 o'clock position.
- Reinstall RED LOCKING DEVICE.
- See step 3 for LEVER HANDLE (3) installation.

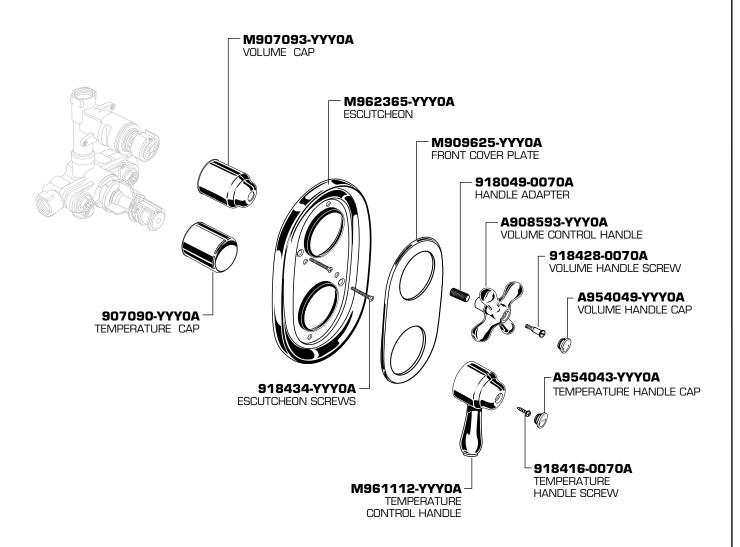




3/4" CLASSIC THERMOSTAT TRIM KIT with SEPARATE VOLUME CONTROL

MODEL NUMBER

T050.541





HOT LINE FOR HELP For toll-free information and answers to your questions, call: 1-800 442-1902 Weekdays 8:00 a.m. to 8:00 p.m. EST

IN CANADA 1-800-387-0369 (TORONTO 1-905-306-1093) Weekdays 8:00 a.m. to 7:00 p.m. EST

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Replace the "YYY" with appropriate finish code

appropriate initerrecae	
CHROME	002
POLISHED BRASS	099
SATIN	295

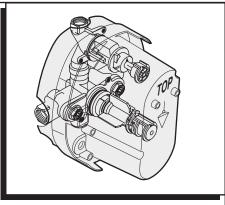
Installation Instructions R520

CERATHERN

CENTRAL THERMOSTAT WITH VOLUME CONTROL

Thank you for selecting American-Standard...the benchmark of fine quality for over 100 years.

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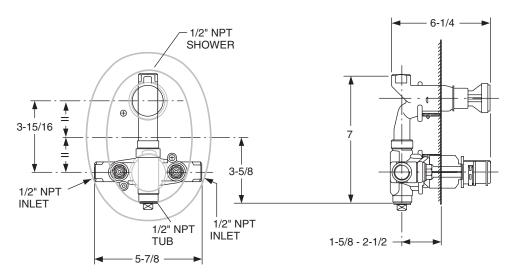


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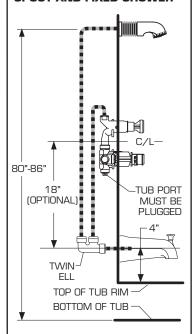
M968255Rev.1.1

ROUGHING-IN DIMENSIONS

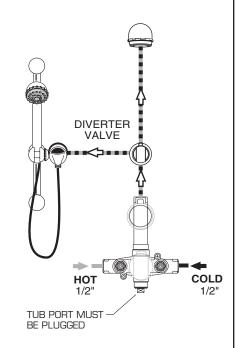
CONNECTIONS ARE: 1/2" NPT



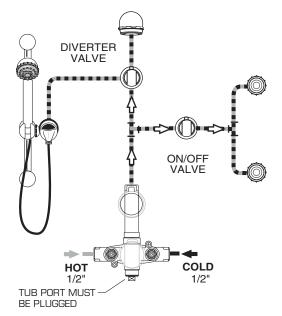
THERMOSTATIC BATH/ SHOWER INSTALLATION USING A TWIN ELL, DIVERTER SPOUT AND FIXED SHOWER



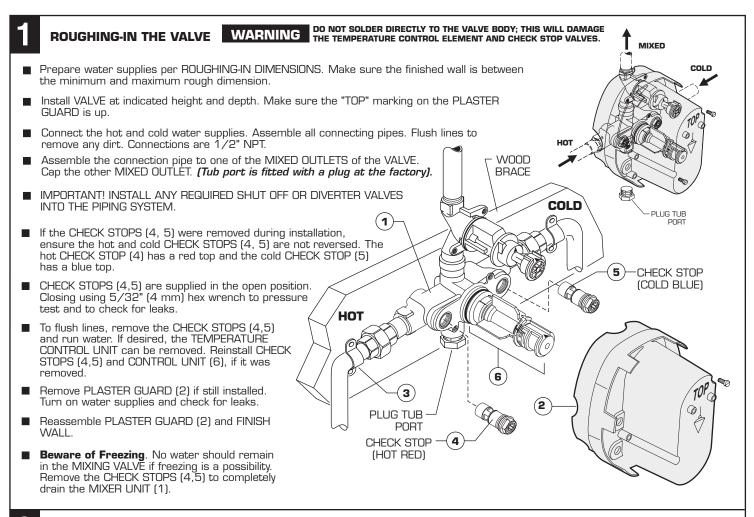
IMPORTANT: WHEN NOT USING A DIVERTER SPOUT A SEPARATE DIVERTER VALVE MUST BE USED. THERMOSTATIC SHOWER INSTALLATION USING A DIVERTER VALVE, FIXED SHOWER HEAD AND ADJUSTABLE HAND HELD SHOWER



THERMOSTATIC SHOWER INSTALLATION USING A DIVERTER VALVE, FIXED SHOWER HEAD, ADJUSTABLE HAND HELD SHOWER, ON/OFF VALVE AND TWO BODY SPRAYS



NOTE: MINIMUM FLOWING PRESSURE REQUIRED FOR THIS SYSTEM OPERATING WITH ONE SHOWER HEAD AND 2 BODY SPRAYS IS 40 PSI



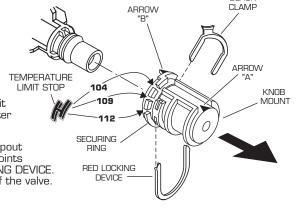
2 TEMPERATURE ADJUSTMENT

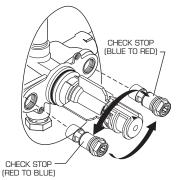
- Unscrew PLASTER GUARD SCREWS and remove PLASTER GUARD.
- Check that arrow marking B points vertically upwards. If not, push the BLACK CLAMP on the SECURING RING to the right, pull off KNOB MOUNT and reinstall KNOB MOUNT with arrow "B" pointing upwards.
- The maximum mixed water temperature is set at 109 F at the factory. This setting can be changed if desired.
- Remove the TEMPERATURE LIMIT STOP (H shaped Black Plastic part). Reinstall it at the desired notch as indicated in the diagram to limit the maximum mixed water temperature to 104 F or 112 F.
- For 100 F adjustment, turn the water supply on. Turn KNOB MOUNT until the spout temperature is 100 F. Check that arrow marking A on the KNOB MOUNT still points upward after adjusting the thermostat to 100 F. If not, pull out the RED LOCKING DEVICE. Remove KNOB MOUNT by pulling it towards you while standing directly in front of the valve.
- Reinstall the KNOB MOUNT so that the arrow marking A points upwards.
- Reinstall RED LOCKING DEVICE.

TRANSPOSED SUPPLY PIPING OR BACK TO BACK INSTALLATION

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- Remove handle and rim
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- Turn the water supply back on and perform the temperature adjustment in step 2.





M968255Rev.1.1

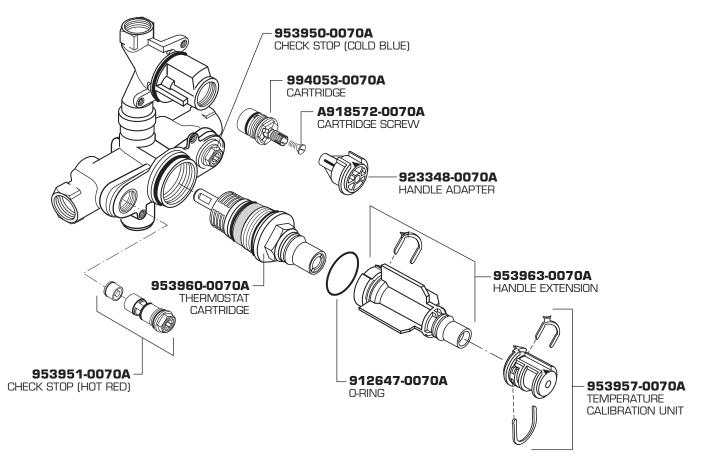
BLACK

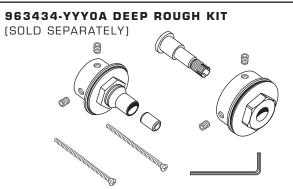
CERATHERM

CENTRAL THERMOSTAT WITH VOLUME CONTROL

MODEL NUMBER

R520







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M968255Rev.1.1

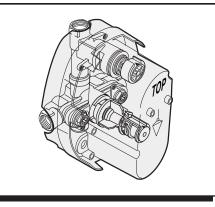
Installation Instructions R540

CERATHERN

3/4" CENTRAL THERMOSTAT WITH VOLUME CONTROL

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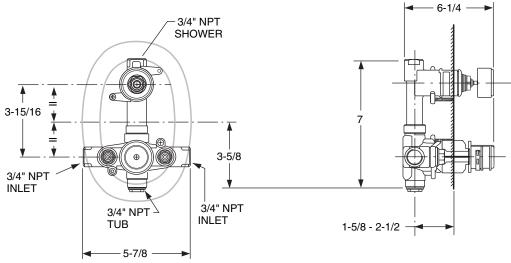


Certified to comply with ANSI A112.18.1M ASSE 1016

M968480

ROUGHING-IN DIMENSIONS

CONNECTIONS ARE: 3/4" NPT



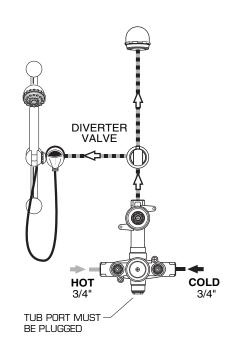
THERMOSTATIC BATH/ SHOWER INSTALLATION USING A TWIN ELL, DIVERTER SPOUT AND FIXED SHOWER

18" (OPTIONAL) TUB PORT MUST BE PLUGGED

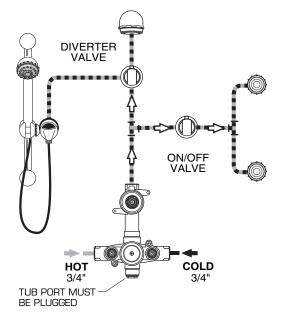
4"
TWIN ELL
TOP OF TUB RIM
BOTTOM OF TUB

IMPORTANT: WHEN NOT USING A DIVERTER SPOUT A SEPARATE DIVERTER VALVE MUST BE USED.

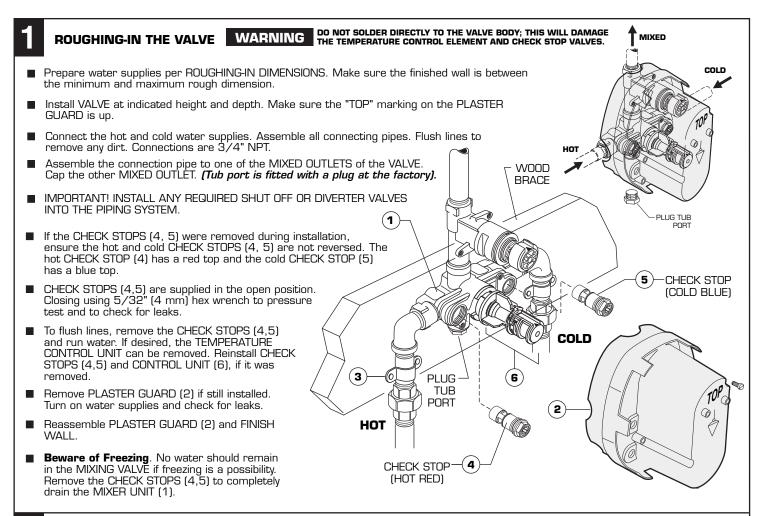
THERMOSTATIC SHOWER INSTALLATION USING A DIVERTER VALVE, FIXED SHOWER HEAD AND ADJUSTABLE HAND HELD SHOWER



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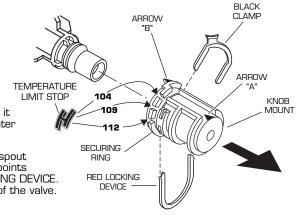
2 TEMPERATURE ADJUSTMENT

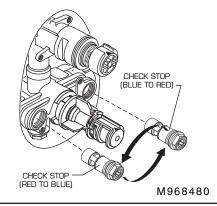
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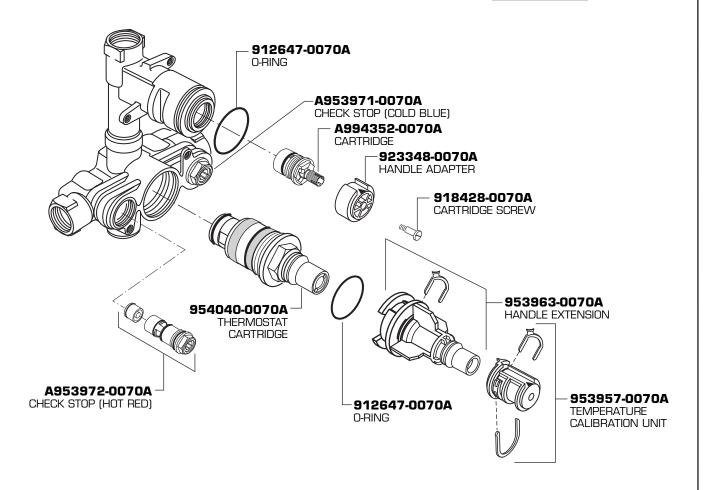


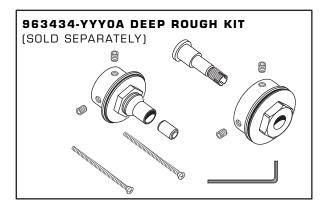


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