

*American Standard*

**FLUENT®**

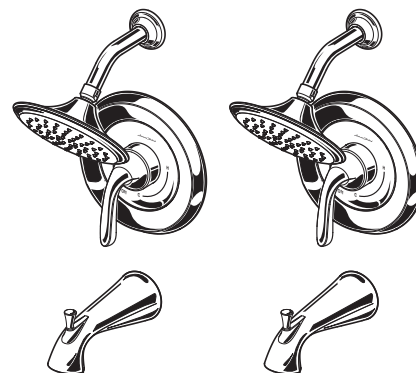
**PRESSURE BALANCING  
BATH AND SHOWER  
TRIM KITS**

# Installation Instructions

**T186.500  
T186.501  
T186.502  
T186.507  
T186.508**

*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.*

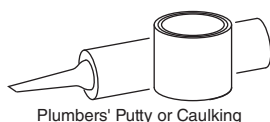


**507/508  
1.8 GPM**

**500/501/502  
2.5 GPM**

Certified to comply with ANSI A112.18.1  
M965625 REV. 1.3 (1/18)

## RECOMMENDED TOOLS



Plumbers' Putty or Caulking



Teflon Tape



Phillips Screwdriver

Flat Blade Screwdriver



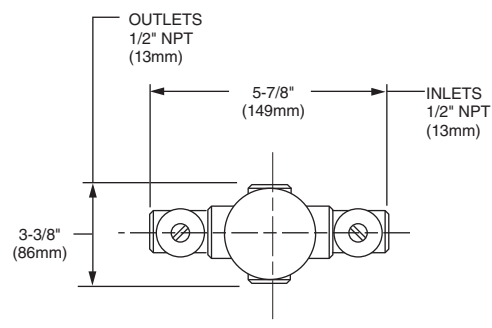
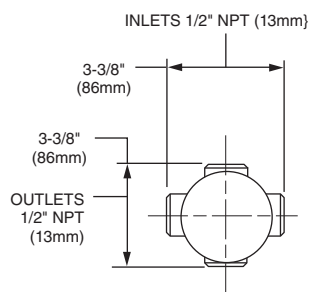
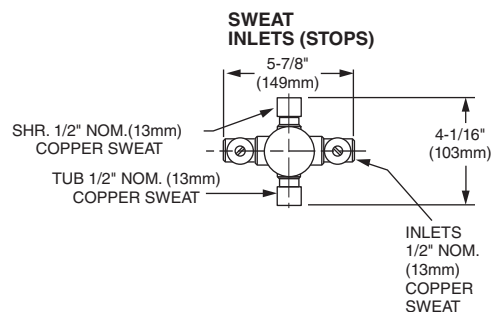
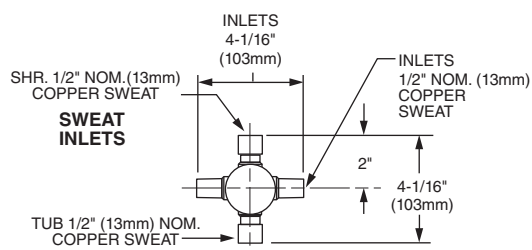
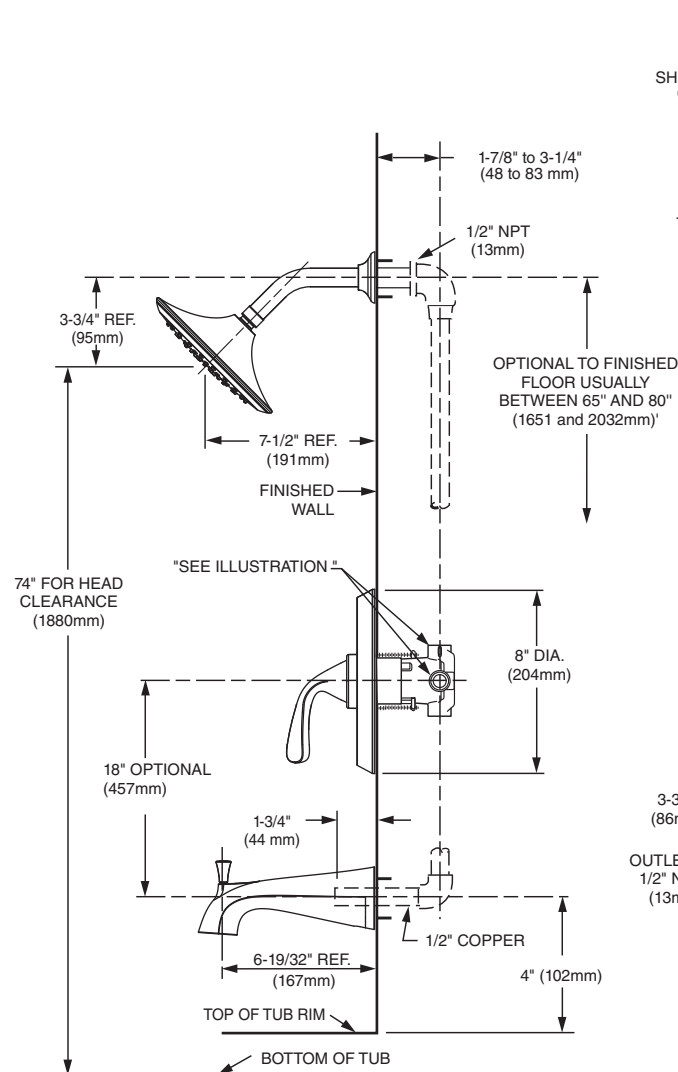
Adjustable Wrench



Slip Jaw Pliers

## ROUGHING-IN DIMENSIONS (For reference only)

■ To assure proper positioning in relation to wall, note roughing-in dimensions.



**THREADED INLETS**

**THREADED INLETS (STOPS)**

# 1 INSTALL VALVE TRIM

- **Figure 1.** Remove plaster guard from valve. Push CAP (1) over VALVE CARTRIDGE (2) until seated against stop.
- **Figure 2.** Push ESCUTCHEON (3) onto CAP (1). Align mounting holes in ESCUTCHEON (3) with valve body. Attach to valve body with LONG SCREWS (4).
- **Figure 3.** Align PIN (5) on back of DIAL PLATE (6) with hole in ESCUTCHEON (3). Push DIAL PLATE (6) onto CAP (1) flush against ESCUTCHEON (3).

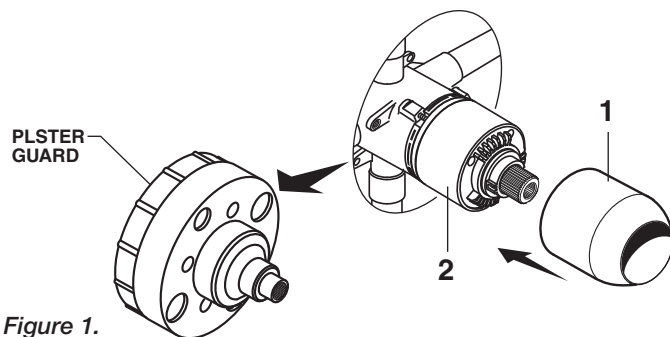


Figure 1.

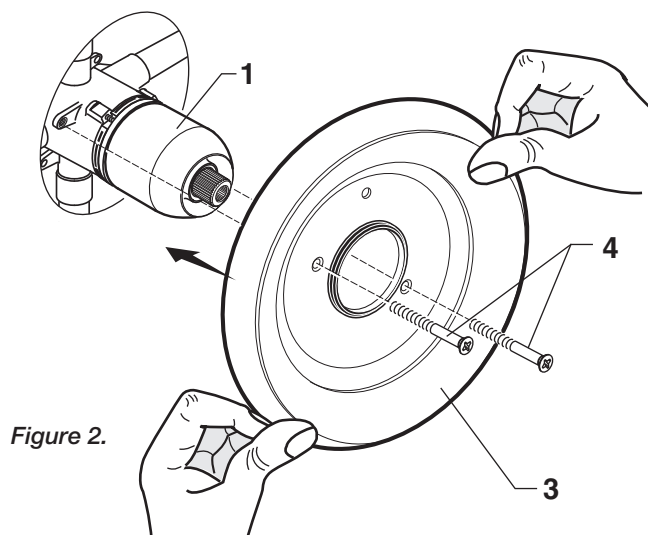


Figure 2.

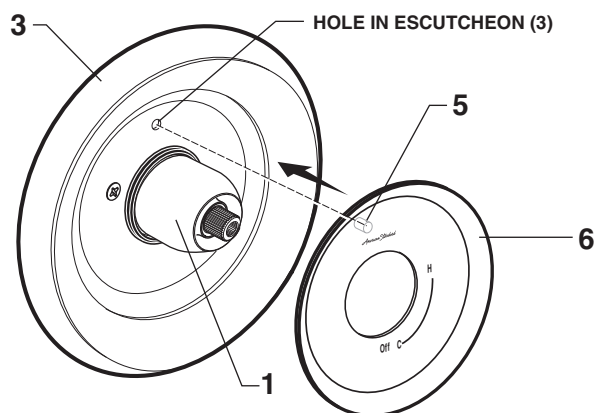


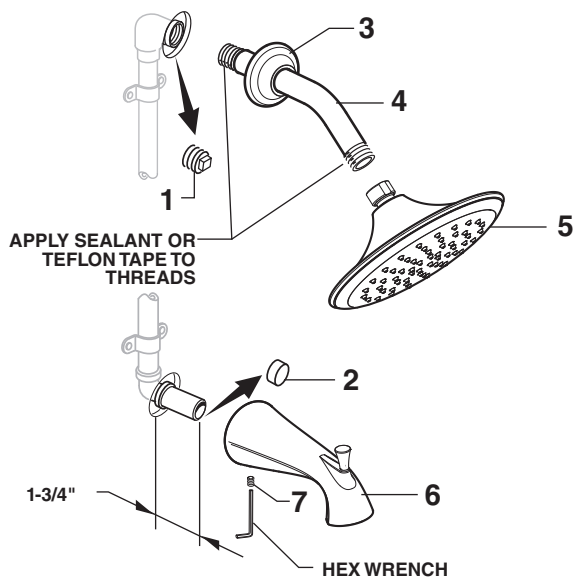
Figure 3.

## 2 INSTALL TRIM

**CAUTION:** Protect finish on SHOWER HEAD and TUB SPOUT when installing.

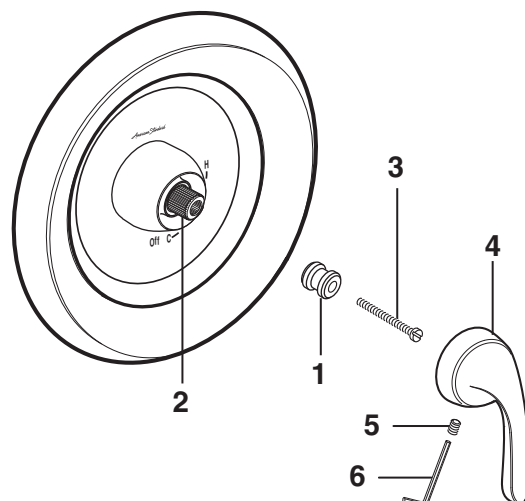
**Note:** Apply sealant or Teflon Tape to shower arm.

- Remove PIPE PLUG and CAP (1, 2) from shower pipe and tub filler pipe.
- Install SHOWER ESCUTCHEON (3) onto SHOWER ARM (4). Apply sealant or Teflon tape to threads on both ends of SHOWER ARM (4) and thread longer leg of SHOWER ARM (4) into shower elbow. Thread SHOWER HEAD (5) onto SHOWER ARM (4).
- Install SLIP-ON TUB SPOUT (6). Tighten SET SCREW (7) with HEX WRENCH supplied.  
**Important:** Do not overtighten Set Screw.



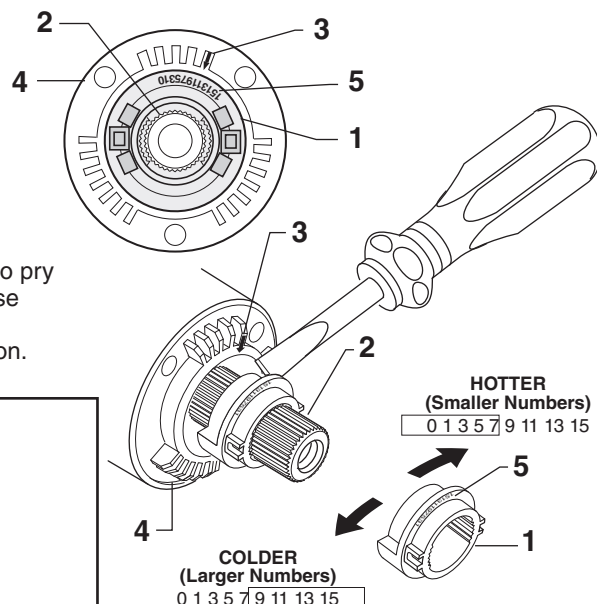
## 3 INSTALL HANDLE

- Hold ADAPTER (1) onto VALVE STEM (2) and install ADAPTER SCREW (3) through ADAPTER (1) into VALVE STEM (2). Tighten ADAPTER SCREW (3) to secure ADAPTER (1).
- Align and install HANDLE (4) onto ADAPTER (1). Tighten SET SCREW (5) with HEX WRENCH (6) supplied.



## 4 ADJUST HOT LIMIT STOP

- By restricting HANDLE rotation and limiting the amount of hot water allowed to mix with the cold, the HOT LIMIT SAFETY STOP (1) reduces risk of accidental scalding. To set the maximum hot water temperature of your faucet, all you need to do is adjust the setting on the HOT LIMIT SAFETY STOP (1).
- Turn CARTRIDGE STEM (2) to the OFF position (coldest setting) before making adjustment to HOT LIMIT STOP (1). Use a flat blade screwdriver to pry free the HOT LIMIT SAFETY STOP (1). Pull off and rotate counterclockwise to the desired number to limit hot water temperature. Use ARROW (3) on CARTRIDGE (4) and NUMBERS (5) on HOT LIMIT STOP (1) for indication.



## 5 TO GAIN ACCESS TO VALVE FOR SERVICING

- Remove HANDLE (see step 3 and reverse).
- Remove ESCUTCHEON and CARRIDGE CAP (see step 1 and reverse). Shut off water supply by either closing off main water supply, or closing off the hot and cold CHECK STOPS on valve.

### VALVE LEAKS WHEN SHUT OFF

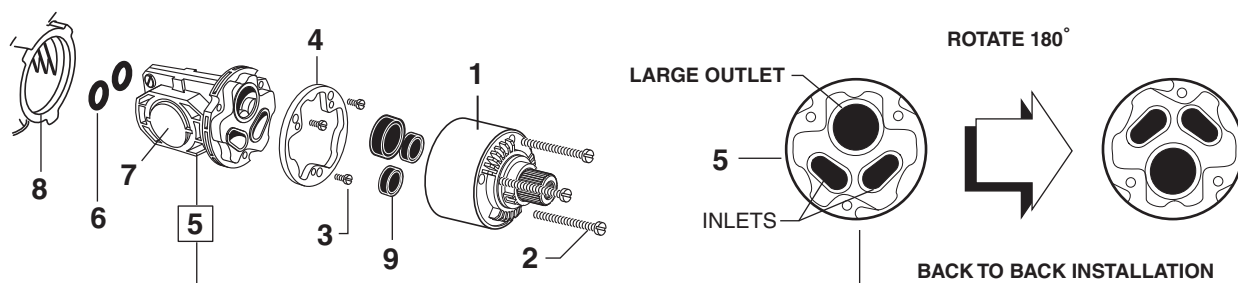
- Remove CARTRIDGE (1) by removing CARTRIDGE SCREWS (2). Remove three SCREWS (3) from FIXATION RING (4) and pull out PRESSURE BALANCING UNIT (5).
- Clean SEALS (9) on base of CARTRIDGE (1). Check base of PRESSURE BALANCING UNIT (5) and clean O-RINGS (6). Remove CAPS (7) and check O-RINGS on inside of CAPS (7). Clean inside sealing surfaces of VALVE BODY (8).
- Re-assemble PRESSURE BALANCING UNIT (5) and CARTRIDGE (1). Tighten all screws.
- Turn on water supply and see above for installing TRIM and HANDLE.

### UNABLE TO MAINTAIN CONSTANT TEMPERATURE

- Remove CARTRIDGE (1) by removing CARTRIDGE SCREWS (2). Remove three SCREWS (3) from FIXATION RING (4) and pull out PRESSURE BALANCING UNIT (5).
- Remove CAPS (7) and clean valve thoroughly.
- Examine balancing unit and check condition of O-ring on end of piston. Piston should move back and forth. Order Repair Part M952100-0070A if balancing unit is defective.
- Replace CAPS (7) and install PRESSURE BALANCE UNIT (5). Make sure inlets line up with two holes in bottom of casting. Top flange should butt-up against top of casting.

### BACK TO BACK INSTALLATION

- Remove CARTRIDGE (1) by removing CARTRIDGE SCREWS (2). Remove three SCREWS (3) from FIXATION RING (4) and pull out PRESSURE BALANCING UNIT (5). Rotate PRESSURE BALANCE UNIT (5) 180° so that the inlets face up and the large outlet port faces down.
- Push PRESSURE BALANCE UNIT (5) in casting make sure inlets line up with holes in bottom of casting. Top flange should butt up against top of casting.
- Reassemble FIXATION RING (4) and CARTRIDGE (1).



## 6 CARE INSTRUCTIONS:

**DO: CLEAN WITH CLEAR WATER. DRY WITH A SOFT COTTON FLANNEL CLOTH.**

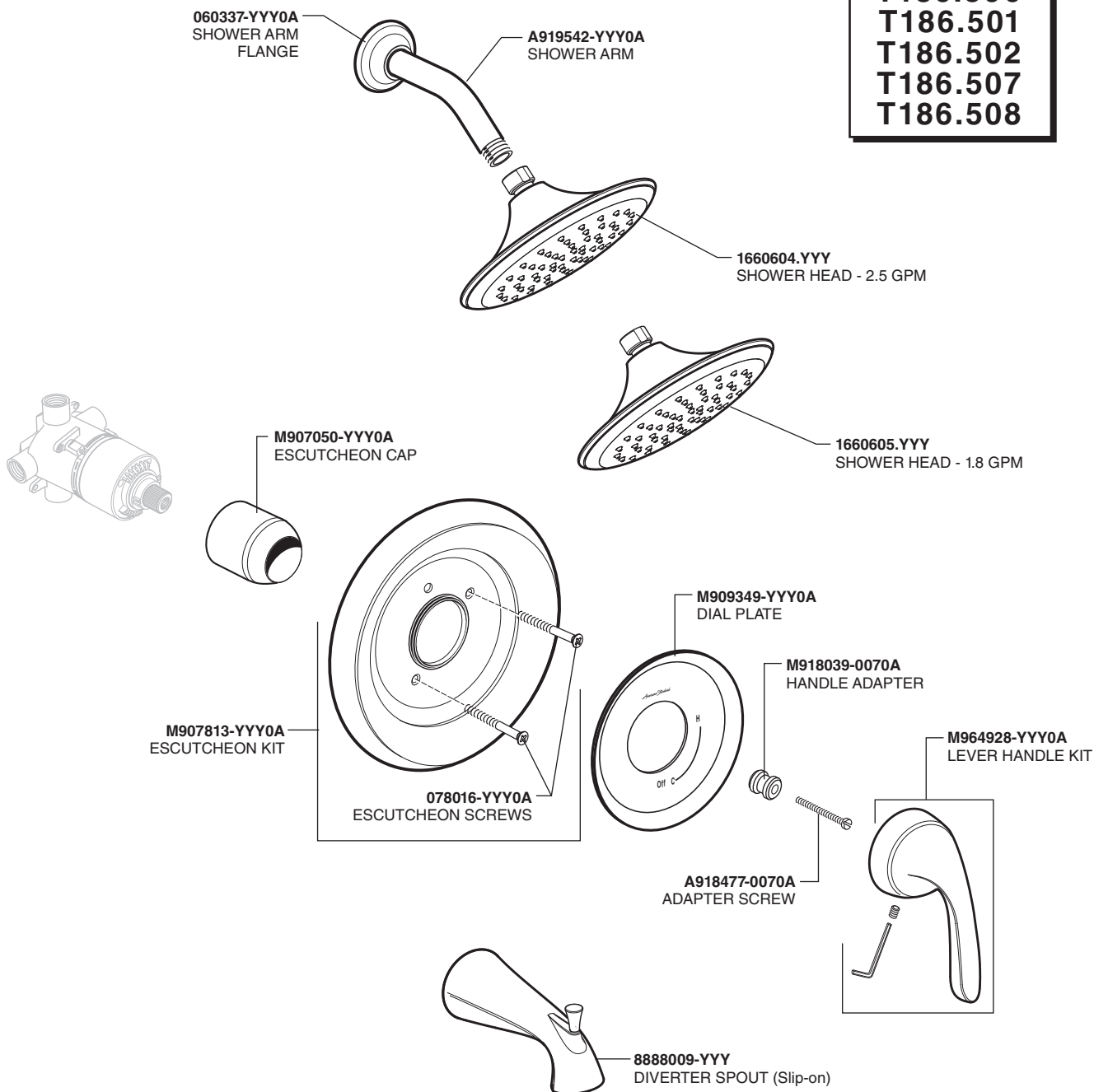
**DO NOT: DO NOT CLEAN THE PRODUCT WITH SOAPS, ACID, POLISH, ABRASIVES, HARSH CLEANERS, OR A CLOTH WITH A COARSE SURFACE.**

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PRESSURE BALANCE  
BATH/ShOWER

MODEL NUMBERS

**T186.500**  
**T186.501**  
**T186.502**  
**T186.507**  
**T186.508**



Replace the "YYY" - "XXX" with appropriate finish code

CHROME	002
SATIN NICKEL	295
LEGACY BRONZE	278

**HOT LINE FOR HELP**

For toll-free information and answers to your questions, call:  
1 (800) 442-1902  
Mon. - Fri. 8:00 a.m. to 8:00 p.m. EST  
Saturday 10:00 a.m. to 4:00 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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