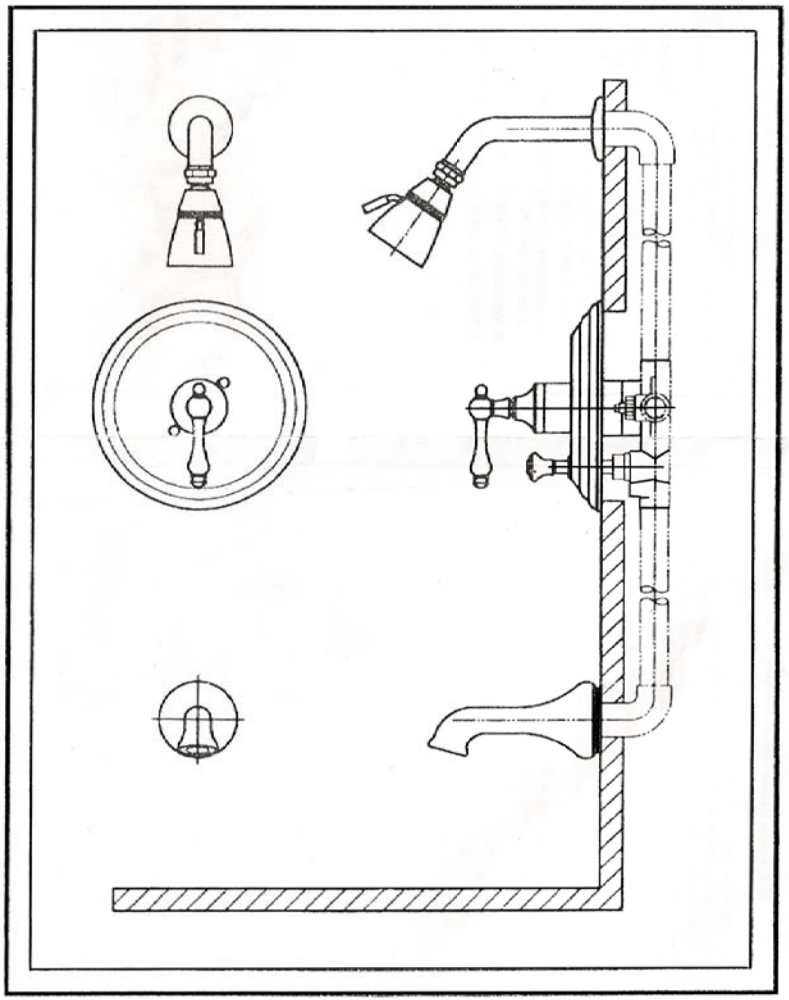
AllBrass Model 945 Series Tub/Shower Combination Faucet

Installation Instructions
Pressure Balancing Tub/Shower Unit



Tools required for installation of this product are:

Screw Driver
Tubing Cutter
Teflon Tape
Adjustable Wrench
Channel-Lock Pliers
Measuring Tape

Note: Flush All Piping Thoroughly Before Installation. Teflon tape or pipe Joint compound on all threaded connections are required. Shut off Water Supply Valve(s) Before Installation.

Step 1:

Install piping and fittings with valve body as shown Figure 1.

Important: Valve rough-in is 1 1/8" plus or minu from Centerline of Supplies to Face of Finish W Facing Front of Valve Body Connect Hot water Side "UP" and "Down" Cast into the back of Bo Position "UP" to the Shower.
Measure the length of pipe from Valve Body to Shower are Opening. Connect the pipe to the T Thread of the Valve Body. Slip tjhe flange onto Shower arm to the Supply pipe.

Install so that LIne Indicated on Plastic Plate o is Flush with Finished wall as shown in Figure

Figure 1:

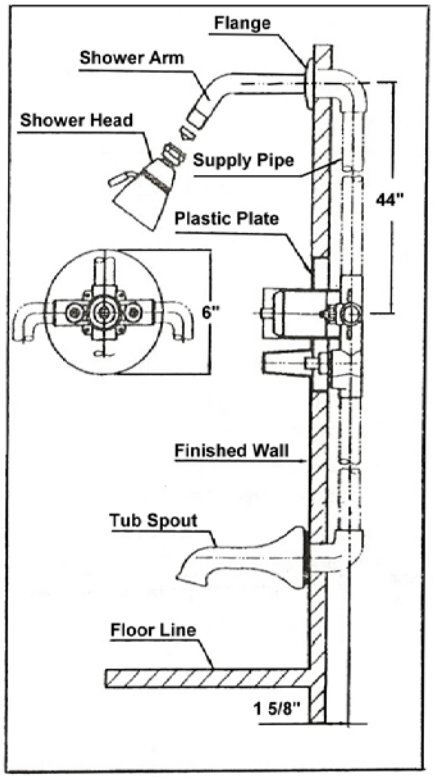
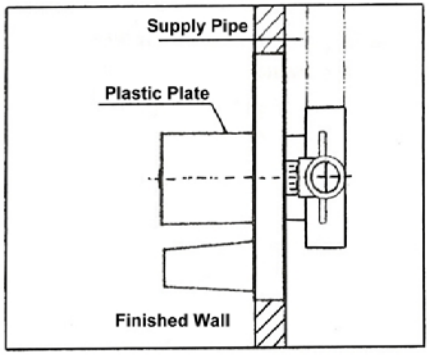


Figure 1A:



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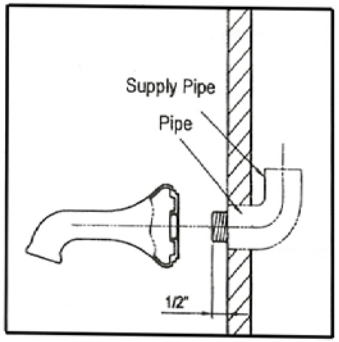
Step 3:

Measure the length of pipe from the Valve body the tub/shower opening. Connect the pipe to the end thread of valve body. The length of the pipe connecting the spout and supply pipe will be different because of different model number. Please see **Figure 3:** Wrap Teflon tape on threads of pipe and thread the tub spout onto the wall.

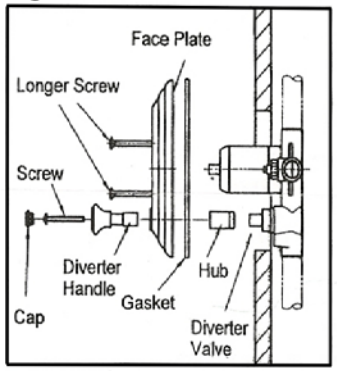
Figure 3:



Step 4:

Unsrew the screws on the plastic plate and remove the plastic plate. Mount gasket onto the back of face plate. Install the diverter handle into the diverter hole of the face plate. Secure the diverter handle by threading the nut onto the face plate as illustration. Position the face plate on the valve body and thread the longer screws povided and tighten. Please see **Figure 4.**

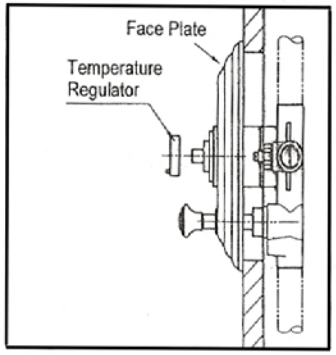
Figure 4:



Step 5:

Reset the temperature regulator on the position you would like the temperature to be. Turn on the water supply valve to make sure the temperature suits your requirement. When water is running, check for any leaks. Tightening connections as neccessary. Please see **Figure 5.**

Figure 5:



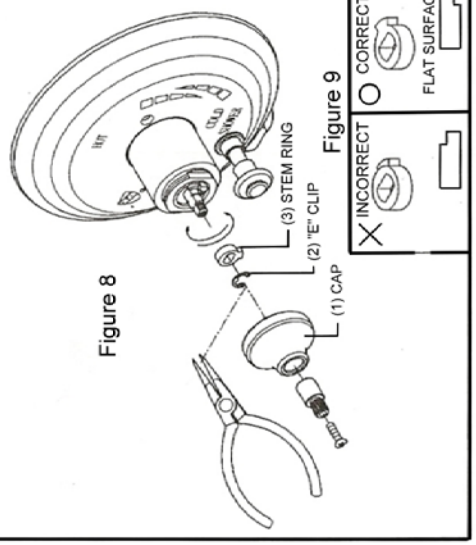
Step 6:

After installation is completed, turn on hot and cold water supply valves fully for three minutes. Check for any leaks or drips. Tighten connections as necessary.

Back to Back Installation Instruction

In situations where the hot and cold water inlet supplies are not in the standard positions, a reversible type cartridge can be used. A reversible cartridge will allow you to modify the direction of the water supply to the correct orientation without changing the pipe locations. It is easy to change the installation by yourself by using the following instruction.

1. Remove the cap (1) from the body with hand. Figure 1:
2. Remove the "E" clip (2) from the cartridge body with pliers
3. Remove the stem ring (3) form the cartridge body with pliers
4. Reverse the cartridge stem by turning 180 degrees (it is not necessary to remove cartridge)
5. Replace the stem ring into the cartidge making sure the flat side is on top Figure2:
6. Replace the "E" clip onto the cartridge body
7. Reinstall the cap to the body and hand tighten



Procedure for the Pressure Balance Spool Assembly Repair and Maintenance

1. Close the water supply stops.
2. Remove the valve cartridge pressure balance spool assembly via proper tools as Figure 2:
3. When replairing or replacing the pressure balance spool assembly into the valve body via proper tools, please adjust the arrow indication mark, note the direction to make sure the rib of the spool valve aligns for proper installation Figure 2: Then push the assembly into the valve.
4. Place the valve cartridge back on the pressure balance spool valve assembly and tighten the whole assembly Figure 2:
5. Use adjustable wrench to tighten lock nut clockwise direction Figure 3:
6. Use screw driver to open stop valve counter clockwise direction Figure 4:
7. Check for any leakage
8. Assemble the cap on the valve body by hand Figure 4:
9. Replace all trim and tighten