

Exposed Shower Faucet F600H Installation Guide



FIG. 1

Parts Check List:

1. Remove the faucet from the packaging carefully. Layout all the parts in a safe area to make sure all the parts are accounted for.
2. By looking at Figure 1 above, place the parts in the relative order they will go together in.
3. Count all the o-rings and set screws. Make sure you have the appropriate amount of each. Each joint will have two o-rings and two set screws (fig. 2). Each handle takes one set screw. Refer to Table 1 to see how many O-rings and set screws your faucet will need. (NOTE: The table does not account for the set screws that go in the faucet handles.

Table 1

O-Rings	Set Screws
25	18

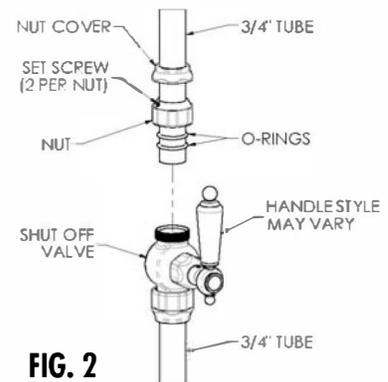
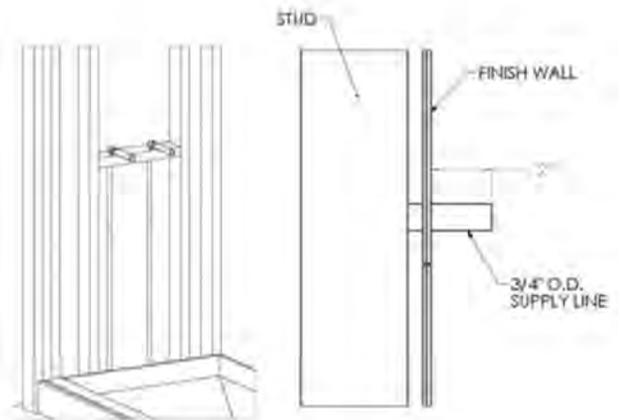


FIG. 2

Plumbing Installation:

IMPORTANT: You must connect the hot water supply to the left of the main valve and the cold water supply to the right side of the main valve. The valve will not function properly if the water supplies are connected backwards (fig. 3).

1. All wall mount exposed shower faucets F500 & F600 are designed to connect to 3/4" O.D. copper tubing water supply lines. If you have 1/2" O.D. copper supply lines you must use the appropriate reducers to adapt it to 3/4" O.D. copper tubing. The supply lines need to extend horizontally out from the finished wall 2". We suggest that you extend it out further until the finished wall has been completed. Once the finished wall has been completed you can cut the supply lines down to 2". Make sure the supply lines are supported strongly and come out of the wall with a 7" spread. See (fig. 3). Test fit the faucet body onto the pipes before installing the walls.
2. If you have to do any modifications to the plumbing, be sure to test fit the shower faucet body onto the pipes to make sure it fits. Also check for leaks before installing your walls.



Faucet Assembly:

3. Measure the water supply lines and make sure they extend 2" out from the finished wall (fig. 3).
4. Locate the escutcheons and place them over the supply lines (fig. 4).
5. Locate the main valve body. Remove the inlet nuts from the body and slide them onto the water supply lines (fig. 4).
6. Next, slide two o-rings onto each supply line (fig. 4).
7. Finally, slide the main valve body onto the supply lines. Push the valve body towards the wall until the supply lines bottom out onto the main valve inlets (fig. 4).
8. Push the o-rings along the tube until they rest against the main valve inlets (fig. 4).
9. While holding the valve body up against the supply lines tighten the inlet nuts by hand (fig. 4).
10. Tighten the nuts 1/2 to 3/4 turn more with the appropriate wrench being sure not to scratch the finish. Do Not Over Tighten.
11. Tighten the set screws in the nuts evenly until they touch the tubing. Turn them 1/2 turn more. Do Not Over Tighten.
12. Locate the next piece of copper tubing that will connect to the top of the main valve body. See figure 1.
13. Locate the nut cover and place it onto the tube (fig. 5).
14. Next, place the nut onto the tube (fig. 5).
15. Then place 2 o-rings on to the tube (fig. 5).
16. Push the tube onto the outlet of the main valve body until it bottoms out. Push the o-rings down the tube until they rest against the main valve outlet and while holding the tube against the main valve outlet tighten the nut by hand (fig. 5).
17. Snug the nut 1/2 to 3/4 turn more with the appropriate wrench being sure not to scratch the finish. Do Not Over Tighten.
18. Do not tighten the set screws at this time. The set screws will be tightened last.

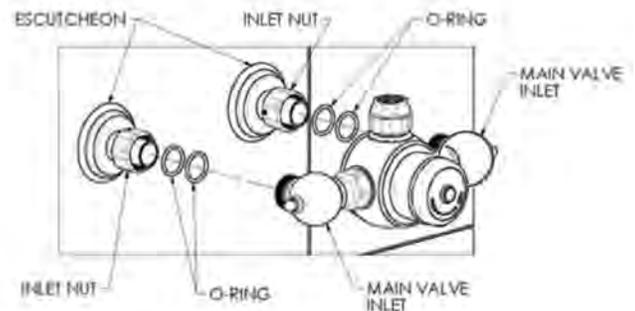
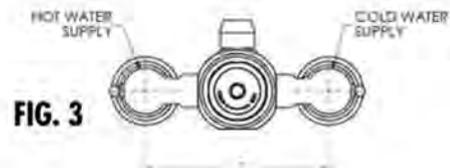


FIG. 4

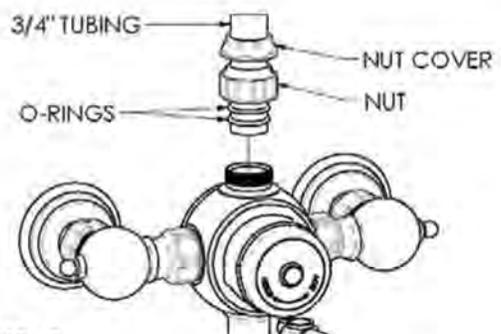


FIG. 5

- Refer to figure 1 to see what part goes on next. Assemble the joint in the same way. Be sure to put the nut cover, nut, and o-rings on in the proper order (fig. 2 and 5).

IMPORTANT: Make sure to position these shut-offs so the water flows in the correct direction. Remove the nuts for a better view of the internals of the shut-off body. The inlet side will have small holes on the bottom of the shut-off body. The outlet side will have a larger square hole on the top of the shut-off body. The handle position does not relate to the water flow.

- Make sure the parts go on straight and are in the proper location. Tighten the nut by hand first. Then using the appropriate wrench, snug the nut 1/2 to 3/4 turn more. Do not tighten the set screws. The set screws will be tightened last.
- When you get to the shower head arc tube slide the top mount assembly onto the arc before assembling the joint (fig. 7). The top mount should be on the top. Make sure the top mount has the appropriate O-Rings.
- Make sure all the tubing and shut-offs are straight and in the proper location.
- Determine the height at which to mount the top mount. The mount should be as high as possible and directly vertical from the center of the main valve body.
- The mount base is attached using a wall anchor and screw. Use the appropriate wall anchor for the type of wall you have. Drill the appropriate sized hole for the wall anchor you are using and insert the anchor (fig. 8).
- Locate the mount base and screw it onto the wall (fig 8).
- Then place the escutcheon over the mount base and screw the mount extension onto the base. Hand tighten the mount extension to the base (fig. 8).
- Tighten the nuts of the top mount by hand. Then using the appropriate wrench, snug the nut 1/2 to 3/4 turn more. Do not tighten the set screws. The set screws will be tightened last.
- Locate the shower head. Make sure the rubber gasket and screen are in place and screw the shower head onto the arc tube (fig 9). Do not over tighten.
- Lightly tighten all the set screws at every joint. Make sure to keep all the tubing and shut-offs straight.
- Check the alignment of all the parts of the faucet. Make sure everything looks good before tightening the set screws.
- Go back through and tighten each set screw 1/2 turn more.
- Check one last time for straightness. Loosen the set screws before making any adjustments. You only need to loosen the set screws of the part you are adjusting.



FIG. 7

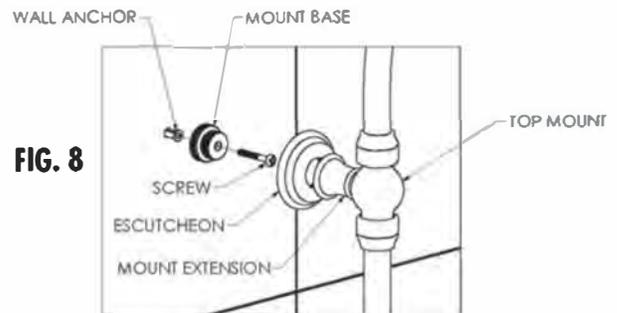


FIG. 8



FIG. 9

FIG. 10

34. If applicable, connect the hand shower hose and wand. Be sure to use an o-ring gasket at each end of the hose (fig. 10). The nut shaped end of the hose connects to the hand shower shut-off and the conical shaped end connects to the wand (fig. 10).

CAUTION: READ THE FOLLOWING BEFORE TURNING ON WATER SUPPLY

The thermostatic valve is designed to control the water temperature between a range of 115°F and 70°F (fig. 11). This temperature range is dependent upon external stops that limit the movement of the thermostatic cartridge stem. One stop is part of the main valve body. The other stop is part of the temperature control knob.

If the temperature control knob is not aligned properly on the cartridge stem, the water temperature could reach a level of scalding. If the temperature control knob is ever removed be sure to follow the directions for aligning the temperature control knob closely to reduce the risk of scalding. We advise setting your water heater output temperature to 120°F.

NOTE: Only turn the water supply ON when all the set screws have been tightened appropriately. NEVER turn on the water supply if the set screws are not tight.

35. Position the nut covers so that the nut is more clearly visible (fig. 12). Turn the shower head and hand shower supply shutoff to the off position. Turn the thermostatic control knob clockwise to the cold position.
36. Turn the water supply on and check for leaks at all the joints.
37. If a joint is leaking turn the water supply off. Next, loosen the set screws in the nut that is leaking. Tighten the nut a 1/4 turn more. Then tighten the set screws again. Turn on the water supply and check it for leaks. Continue the process until the leak stops.

NOTE: Only turn the water supply ON when all the set screws have been tightened appropriately. NEVER turn on the water supply if the set screws are not tight.

38. When all joints are good, test the shower for proper operation.
39. If applicable turn on the hand shower. Check for leaks at the connections. Adjust the water temperature and check for hot and cold operation.
40. Turn on the shower head. Check for leaks in the joints and adjust the water temperature. Check for hot and cold operation.
41. The mount base is attached using a wall anchor and screw. Use the appropriate wall anchor for the type of wall you have. Drill the appropriate sized hole for the wall anchor you are using and insert the anchor (fig. 8).

IMPORTANT:

Temperature pre-set at 105 degrees.
Finger adjust stem only if needed.
Use of wrench will void warranty.

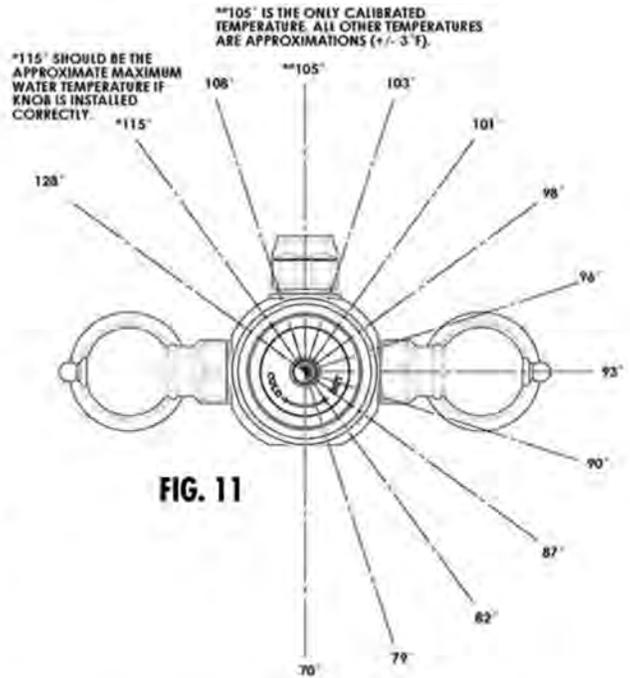


FIG. 11

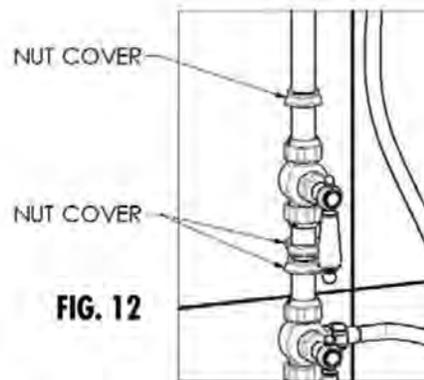


FIG. 12

Removal/Maintenance of Thermostatic Cartridge:

IMPORTANT: Do not turn the thermostatic cartridge stem too far clockwise or counterclockwise. Turning the thermostatic cartridge stem past the internal stops will cause it to malfunction and void the warranty. **DO NOT USE WRENCH ON STEM! FINGER ADJUST ONLY!**

1. Shut off the water supply to the main valve.
2. Remove the temperature control knob by either removing the decorative screw or removing the set screw from the handle (fig. 13).

IMPORTANT: Do not turn the thermostatic cartridge stem too far clockwise or counterclockwise. Turning the thermostatic cartridge stem past the internal stops will cause it to malfunction and void the warranty.

3. Relieve the pressure in the valve by turning the shower head to the ON position. The leftover water pressure will come out of the shower head.
4. Use a ratchet and deep socket or other suitable wrench to loosen the cartridge from the valve body (fig. 14).
5. Pull the cartridge straight out of the valve (fig. 14).
6. Carefully rinse all dirt and debris from the screens on the cartridge being careful not to damage the screens or the o-rings.
7. Once the cartridge is clean re-install it in the valve body and tighten with a suitable wrench.

IMPORTANT: Do not turn the thermostatic cartridge stem too far clockwise or counterclockwise. Turning the thermostatic cartridge stem past the internal stops will cause it to malfunction and void the warranty. **DO NOT USE WRENCH!**

8. Align the red mark on the thermostatic cartridge stem with the red mark on the cartridge body. This is the 105° calibrated temperature setting (fig. 15).
9. Place the temperature control knob onto the cartridge stem so the temperature stop on the knob is aligned to the right of the faucet (fig. 16 - 17).
10. Tighten the decorative screw or set screw to hold the knob in place.
11. Turn the water supply back on to the valve and check for leaks. Also check for hot and cold operation.

IMPORTANT:
Temperature pre-set at 105 degrees.

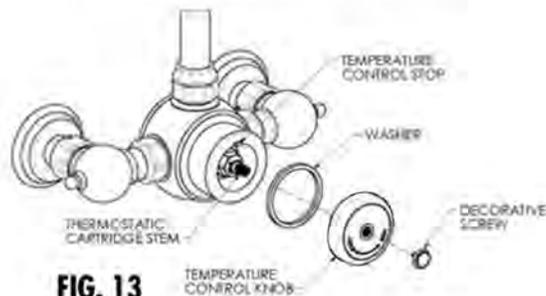


FIG. 13

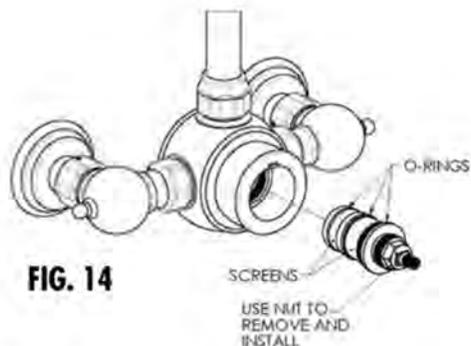


FIG. 14

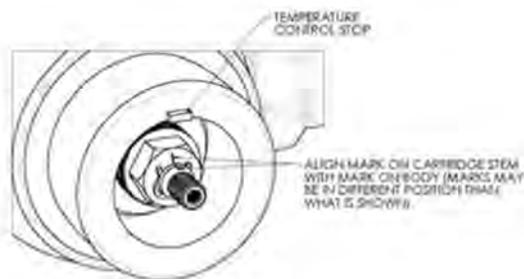


FIG. 15

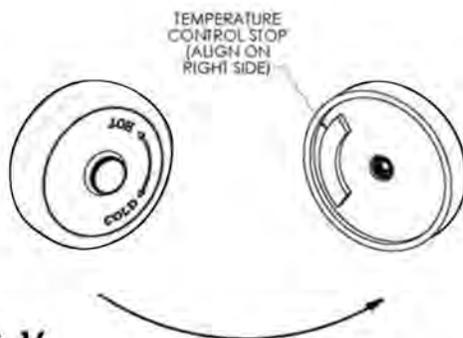


FIG. 16

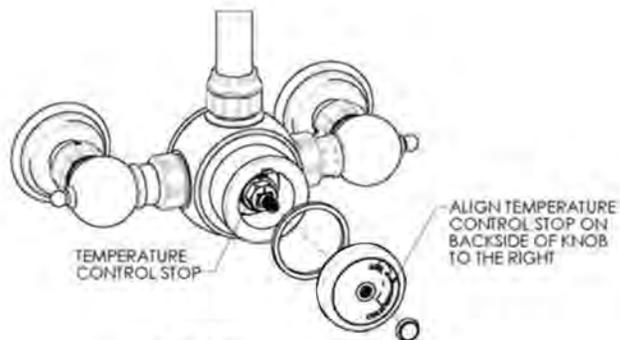


FIG. 17