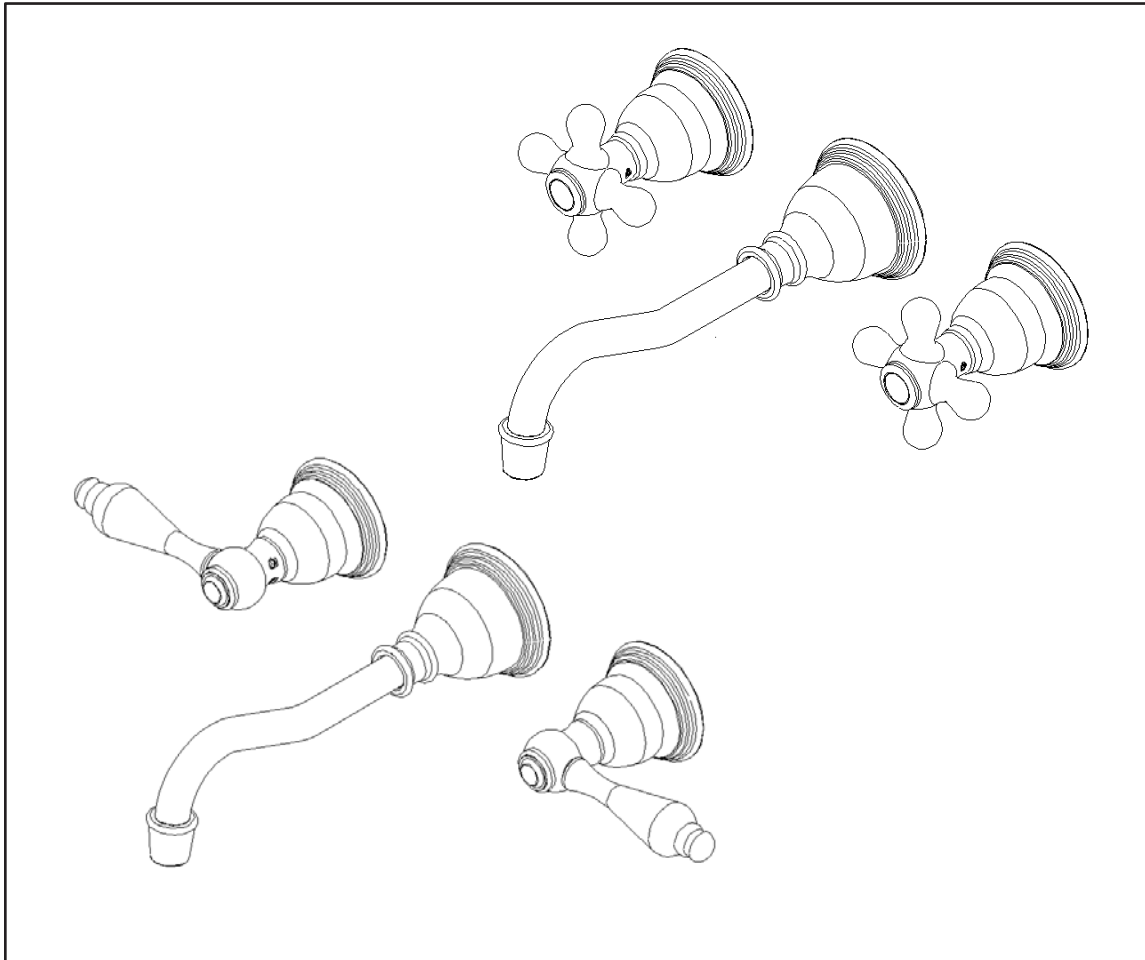


INSTALLATION INSTRUCTIONS
WALL MOUNT LAVATORY SET
MODEL No: 7301

NEWPORT
365



Congratulations on the purchase
of your Newport product,
an excellent choice, that will give you
years of quality service and enhance the
look and style of your home.

Installation Instructions

In-wall Lavatory Valve

Model: 7301

We Recommend Installation by a Professional Plumbing Contractor.

Note: Use plumbers tape or equivalent to seal all threaded port joints.

Warning: To prevent severe damage to the valve, any solder/braze process must be performed a minimum of 4" from ports, otherwise cartridge **must** be removed from the valve body.

1. Construct a cross BRACE in a way that allows the BODY to be positioned 4" – 4 1/2", as measured from the back side of the valve BODY to the Finished Wall surface as shown in **Fig. 1** below.

2. Secure valve BODY to cross BRACE using suitable SCREW (not included). Check the horizontal and vertical level of the valve BODY by placing a bubble level across each STEM. Also, ensure each STEM is perpendicular to the Finished Wall. Make any necessary adjustments.

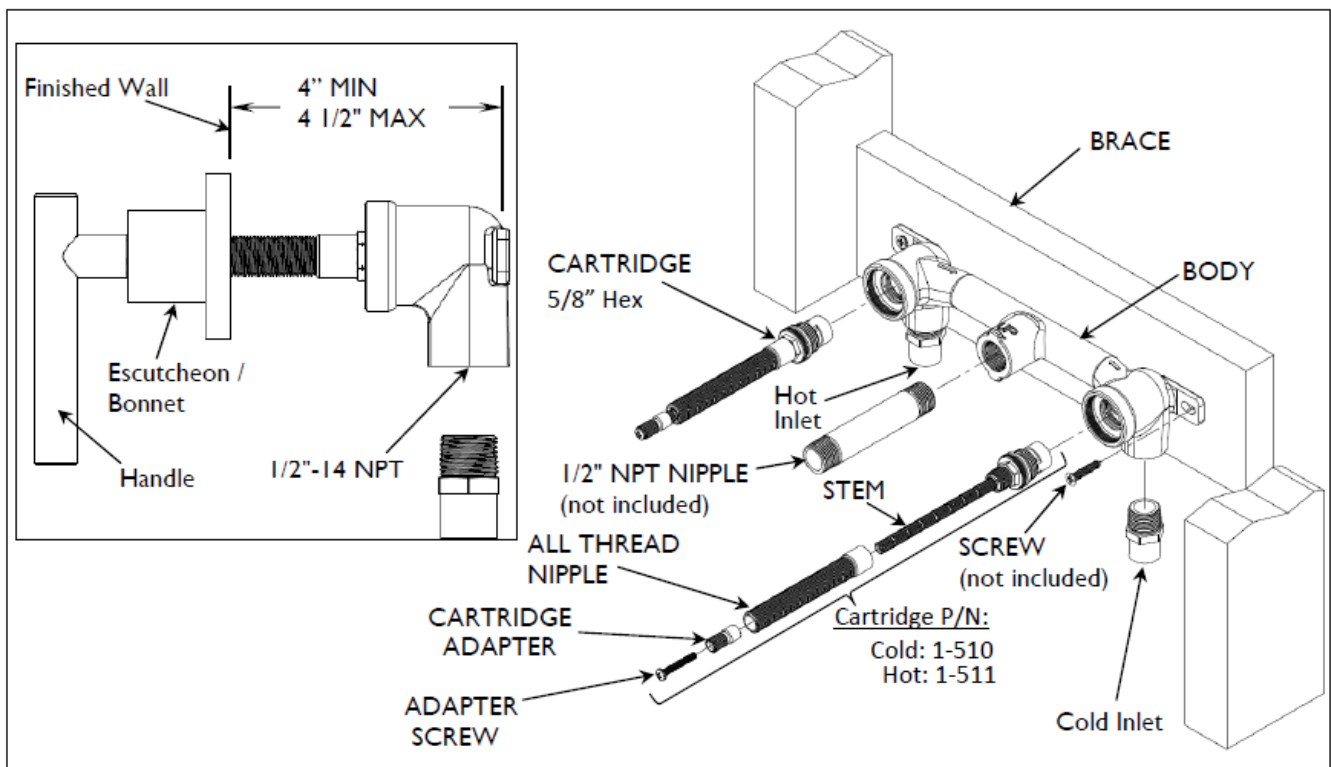
4. Utilize 1/2" copper supply pipe and 1/2" Socket End x 1/2"NPT Male Pipe Adapters to sweat water supply line to the inlets of the valve BODY (blue STEM is cold, red STEM is hot). If sweating within 4" from valve inlets, remove cartridges during this process.

Note : If cartridges are removed during installation, re-torque to factory specification of 14-16 ft-lbs.

5. With each STEM in closed position, turn on water supply, pressurize system and check for leaks. Next, position a bucket in front of valve outlet, use pliers to slowly open the hot first and then cold valve. This is to flush out any debris and check for any blockage within the valve. Allow the water to flow for at least one minute. With the water pressure on, close the valves and carefully inspect for leaks. Repair or adjust as needed.

6. Installation for In-wall Lavatory Valve is now completed. Proceed to complete Finished Wall surface (**Important:** to ensure enough clearance to remove the cartridge for future service, openings of the Finished Wall around the cartridges are to be round, with a diameter between 1 1/8"– 1 1/4" and concentric with the cartridge STEM). To install Wall Mount Lavatory Trim, follow installation instruction provided with the trim product.

Fig. 1: Valve Rough Installation



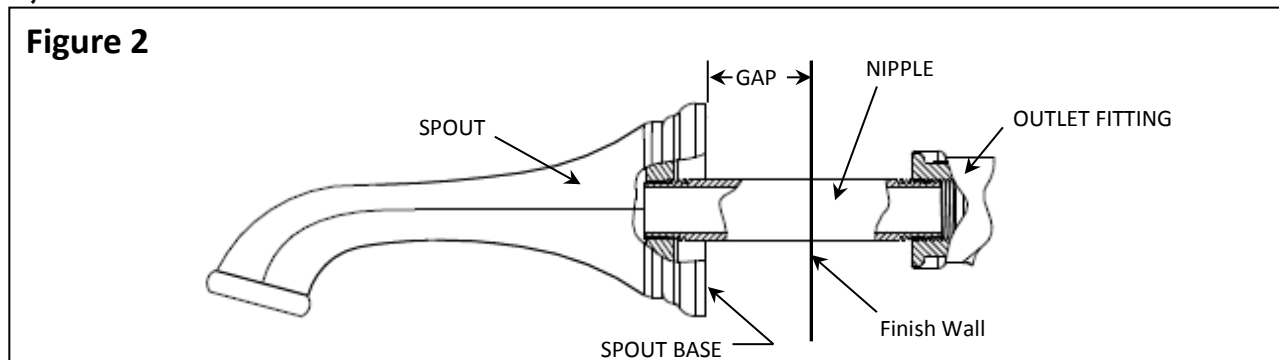
Instruction Instructions

How to Install Newport 365 In-wall Trim and Adjust 16 Tooth Handle Alignment

This instruction illustrates how to install Newport 365 In-wall Trim and use the Cartridge Adapter provided with the in-wall valves to adjust angular alignment for in-wall product handles.

I. Spout Installation

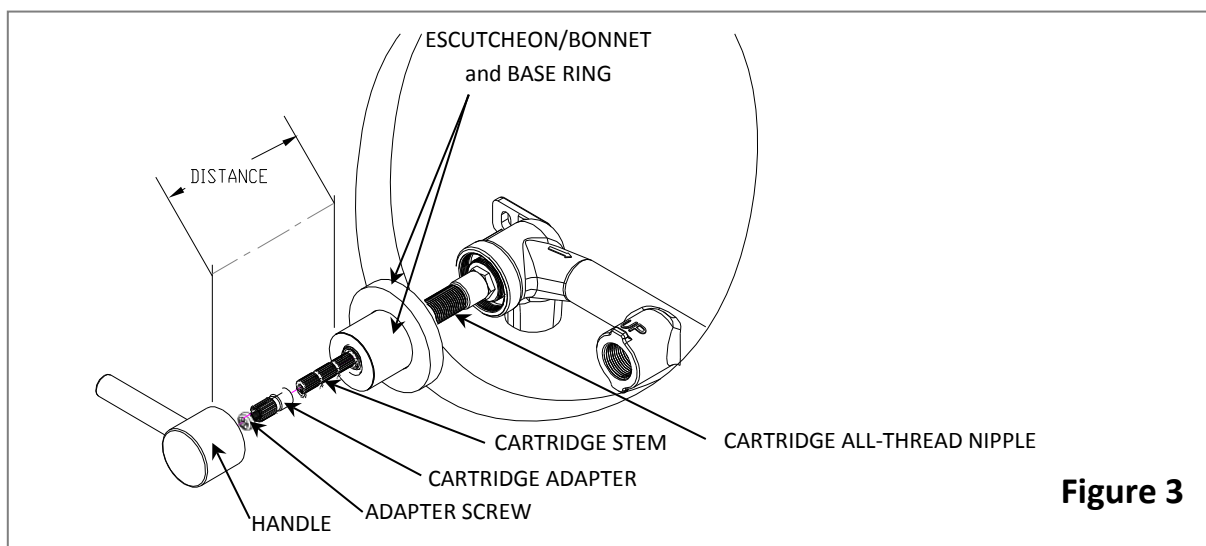
1. **Figure 2**, determine the proper length of NIPPLE to connect SPOUT to OUTLET FITTING. Use a temporary 6" length x 1/2" NPT NIPPLE to connect them together. Measure the GAP between the Finish Wall and the SPOUT BASE (including Base Ring where applicable). If length of the temporary NIPPLE is 6", and the GAP is 1", the proper length for the NIPPLE is 5" (6 - 1=5") to connect the SPOUT to OUTLET FITTING. Use plumbers tape or equivalent to seal all threaded joints.



2. Handle Installation:

2A. Trim Cartridge Stem

1. **Figure 3**, install ESCUTCHEON/BONNET and BASE RING trim pieces onto CARTRIDGE ALL-THREAD NIPPLE flush against Finished Wall. Mark the CARTRIDGE ALL-THREAD NIPPLE where excess needs to be trimmed.
2. Also in **Figure 3**, temporarily install HANDLE onto CARTRIDGE ADAPTER and measure DISTANCE between top of ESCUTCHEON/BONNET and bottom of HANDLE. Record the DISTANCE measured.



3. **Figure 4**, disassemble HANDLE, ESCUTCHEON/BONNET, BASE RING, ADAPTER SCREW, and CARTRIDGE ADAPTER. Cut the SUM length from the 20 tooth CARTRIDGE STEM (SUM= DISTANCE + 1/16"). **Note:** For some HANDLE styles, where a portion of the HANDLE base is inserted inside ESCUTCHEON/BONNET, additional CARTRIDGE STEM trim is needed to achieve desired aesthetic look.

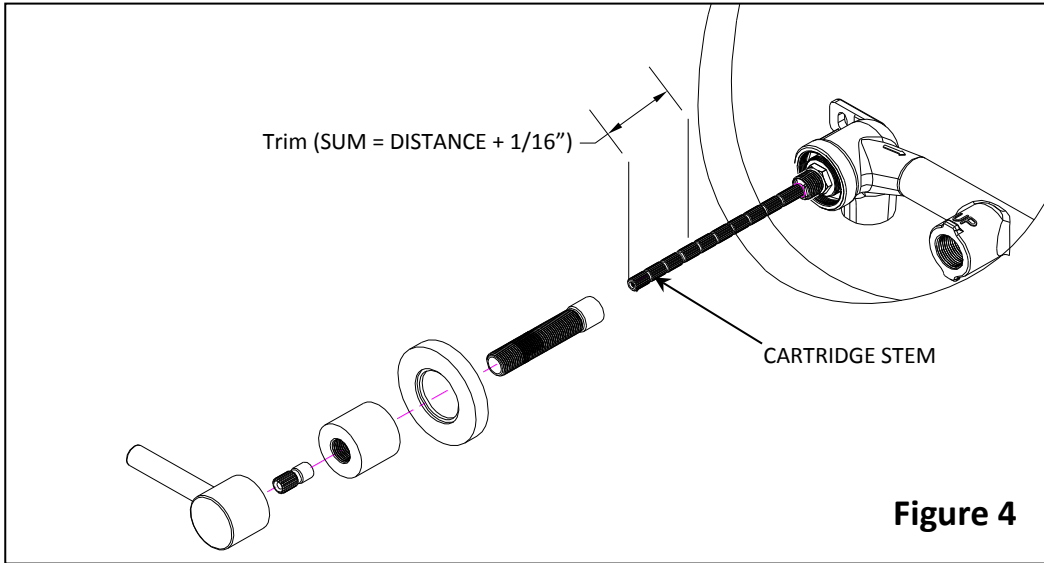


Figure 4

2B. Adjust Handle Alignment

1. In **Figure 5**, ensure cartridges in full closed position, use previously removed ADAPTER SCREW to loosely install CARTRIDGE ADAPTER onto 20 tooth CARTRIDGE STEM. Temporary install the HANDLE and check alignment.
2. If the HANDLE lever is not correctly aligned, remove HANDLE, loosen up (but do not completely remove) the ADAPTER SCREW and rotate CARTRIDGE ADAPTER one tooth clockwise (18 degrees), reassemble the HANDLE and recheck alignment. Repeat until HANDLE is aligned.

3A. For HANDLE with set screw(s) on side or NO mounting screw (see **Figure 5A**), remove HANDLE from CARTRIDGE ADAPTER (**Important:** do not remove the CARTRIDGE ADAPTER from CARTRIDGE STEM). Tighten the ADAPTER SCREW to firmly secure CARTRIDGE ADAPTER to cartridge. Reattach HANDLE to CARTRIDGE ADAPTER and secure in place with set screw(s). Note: When reattaching the HANDLE, assure a small gap between HANDLE and ESCUTCHEON to prevent metal to metal contact.

3B. For HANDLE with screw on top (see **Figure 5B**), discard the screw provided with the HANDLE. Remove HANDLE and ADAPTER SCREW shown (**Important:** do not remove CARTRIDGE ADAPTER from CARTRIDGE STEM). Feed the ADAPTER SCREW through the center hole of HANDLE and use the ADAPTER SCREW to firmly secure HANDLE and CARTRIDGE ADAPTER to 20 tooth CARTRIDGE STEM.

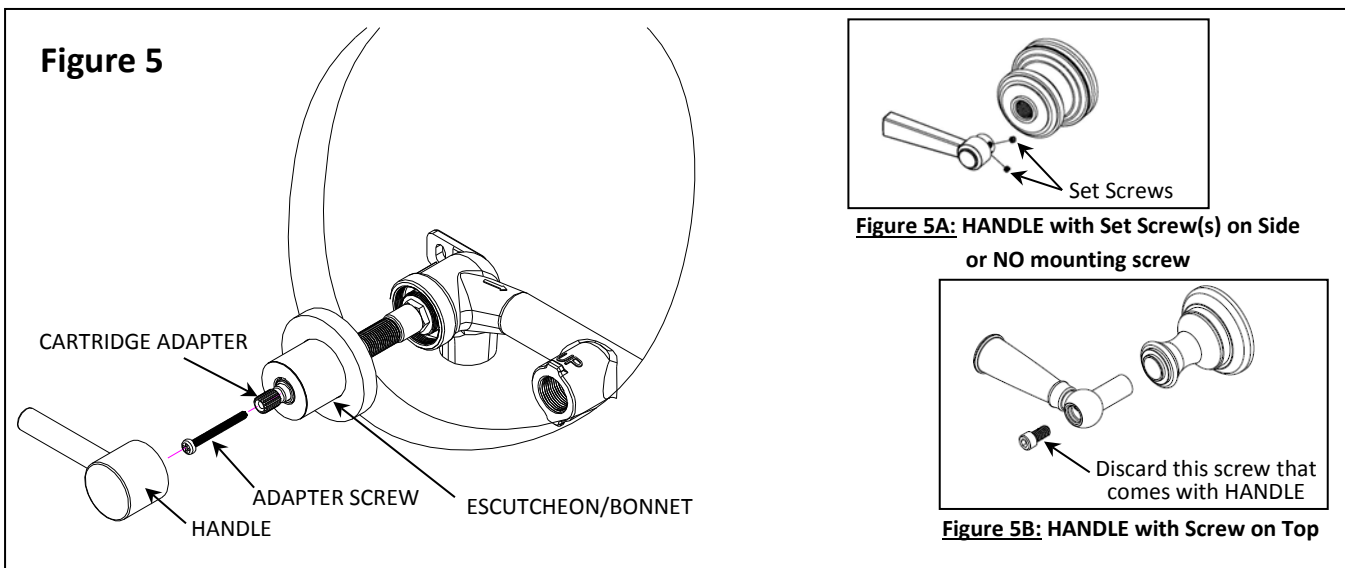


Figure 5

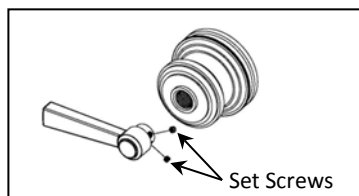


Figure 5A: HANDLE with Set Screw(s) on Side or NO mounting screw

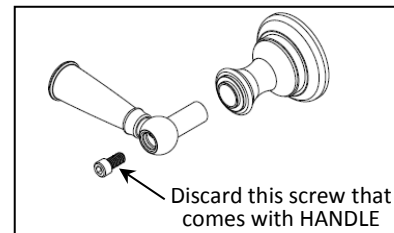


Figure 5B: HANDLE with Screw on Top