



CSA - B125  
ASME - A112.18.1  
NSF - 61-9



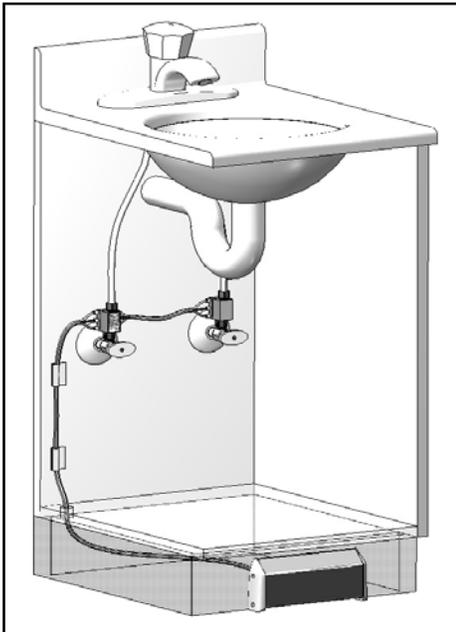
PATENT NUMBERS  
U.S. 5,505,227, 6,254,057, 6,382,585  
Canadian 2,109,684  
European 0654628  
International & Other Patents Pending

## INSTALLATION INSTRUCTIONS: Models 1750, 1752, 1740 & 1742

### NOTICE & WARNING TO INSTALLER

The plastic control tube bundles connecting the valves are pressurized with water after installation. Take care not to kink or way damage the control tubes or tube fittings when installing the valves. It is assumed the person who intends to install the *Tapmaster Hands Free Faucet Controller* has a basic working knowledge of tools and plumbing. Tapmaster Incorporated will not assume any responsibility or liability for damages resulting from the improper installation of this product. It is recommended that a plumber or other person skilled in the art be consulted if you are unsure of the proper procedure to install the Tapmaster.

### GENERAL



This illustration shows a typical installation for the Model 1750 Tapmaster. The valve blocks are connected in-line on the hot and cold water supplies with 3/8" compression fittings and the kick plate is mounted on the cabinet toe kick with the control tubing routed in between them.

The Model 1740 and 1742 come with one valve block and are generally used on tepid or single line water supplies. The 1752 and 1742 come with two kick plates and are typically used on island cabinets required control from either side. Installations will vary according to the design of the cabinet, type of faucet and plumbing hardware. In some cases, it may be simpler to connect the valve blocks at some convenient mid-point along the 3/8" supply tubing. In this case it will be necessary to obtain a 3/8" x 3/8" compression connector (*available at most hardware stores*) to connect the inlet fitting into the water lines. Other plumbing arrangements may be encountered where larger than 3/8" O.D. tube sizes are used. In these situations reducing adapters (*available at most hardware stores*) must be obtained to permit installation of the Tapmaster.

Although the Tapmaster will work with virtually any faucet, faucets that have handles which give a visual reference for flow and temperature are recommended. Cabinet toe kicks will also vary in design and construction.

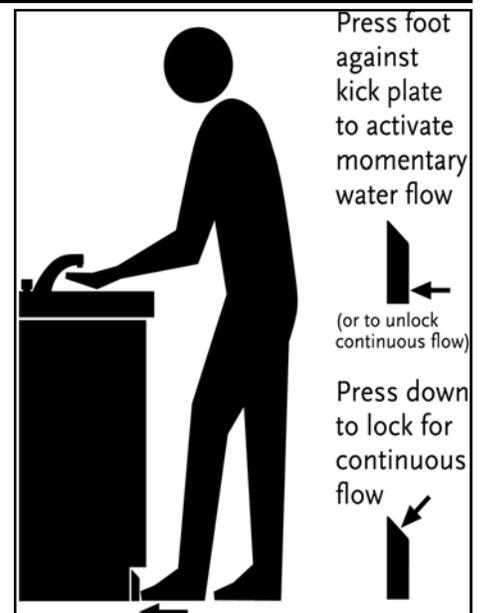
They should allow free access to the kick pedal, particularly the upper angled face to facilitate the latching of the "continuous on" feature. Toe kicks of less than 4" in height are not recommended.

### OPERATION

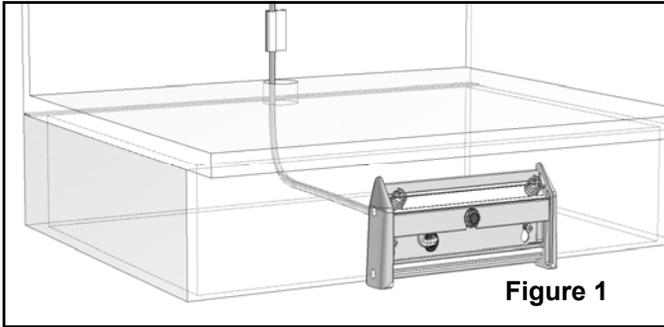
To operate the Tapmaster in *momentary mode*, simply press the foot lightly against the kick plate and open the faucet to the desired flow and temperature. By releasing the kick plate, the Tapmaster shuts off the water flow to the faucet. Once the faucet has been adjusted it should be left open.

For *continuous mode*, press down in the middle of the kick plate angled face until it "latches". This will provide continuous flow to the faucet until the kick plate is tapped again to unlatch. The latching feature allows the operator to manually use the faucet for such things as filling the sink, etc. It is not recommended for repeated on/off operation. This feature has been intentionally designed to require a deliberate thoughtful motion on the part of the operator to prevent latching inadvertently. As in other pedal operated devices all operators should allow themselves some time to get accustomed to the position and "feel" of this kick plate.

The Tapmaster does not alter the appearance of the faucet, therefore a *removable decal* is provided which may be located on any hard smooth surface near the faucet to alert people to its method of operation.



## INSTALLING THE KICK PLATE



**Figure 1**

First determine whether the control tubing will be routed through the base of the kick plate as in Figure 1, or through the kick plate end cap as in Figure 2.

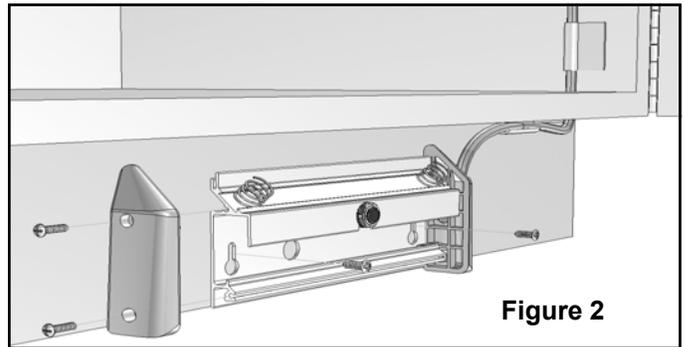
### **CONTROL TUBING ROUTED THROUGH KICK PLATE BASE (Figure 1).**

**STEP #1** - Drill a 1/2" to 2" hole in the cabinet toe kick and similar size hole in the back of the inside of the cabinet floor. Using a "fish tape" or other means, pull the control tubing through the holes. Be sure not to kink the tubing (*Note: The kick plate will cover the hole in the toe*

*kick and the hole size will determine how easily the control tubing will be fished through.*) Before drilling the holes, make sure there are no utilities in behind these panels which may be damaged.

**STEP #2** - Remove the end cap by removing the two screws on the end cap and slide off the cover (*Note: The end caps fit snug to prevent them from coming loose over time. They may require tapping or prying to remove.*)

**STEP #3** - Momentarily reassemble the end cap back on the kick plate base. Route the control tubing. Center the kick plate on the cabinet toe kick. With the end caps resting on the floor and the center of the kick plate assembly aligning with the center of the sink/faucet, mount the kick plate with the two #8 x 3/4" pan head Phillips screws provided .



**Figure 2**

**STEP #4** - Remove the end cap. Slide the cover back on the kick plate base, by pressing down on each spring in succession while the cover is slid on. Remount the end cap.

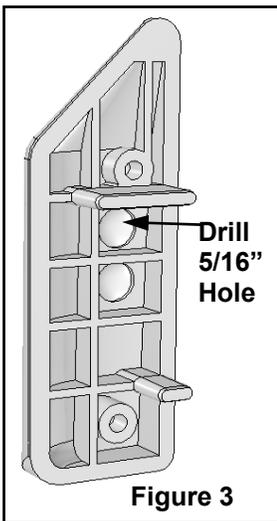
### **CONTROL TUBING ROUTED THROUGH PEDAL END CAP (Figure 2).**

It is recommended that the control tubing be routed on the inside of the hinge side of the cabinet door.

**STEP #1** - Remove the end cap which the tubing is to be routed through by removing the two screws on the end cap and slide off the cover (*Note: The end caps fit snug to prevent them from coming loose over time. They may require tapping or prying to remove.*)

**STEP #2** - Drill a 5/16" hole through the end cap using the upper of the two cone shaped recesses on the inside of the end cap as a guide (see Figure 3).

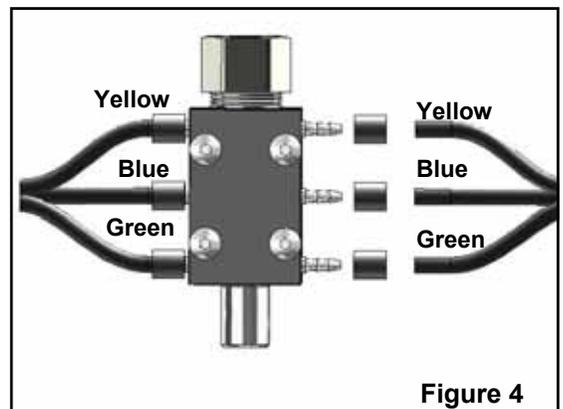
Repeat **STEP #3** and **STEP #4** as above.



**Figure 3**

## INSTALLING THE VALVE BLOCKS

**STEP #1** - Hook up the control tubing from the kick plate to the valve block with the plastic sleeves provided as per Figure 4. (*Note: To facilitate the installation of the tubing and sleeves, dip the ends of the tubing into hot soapy water and using a pair of needle nose pliers push the tubing on to the barb fittings. An adjustable wrench opened to the diameter of the tubing will assist in pushing on the sleeves. Take care not to damage the barb fittings or crush the tubes.*) If a tube must be removed from a barb fitting, split the tube along its length with a sharp knife (*Do not pull as this may damage the barb.*)



**Figure 4**

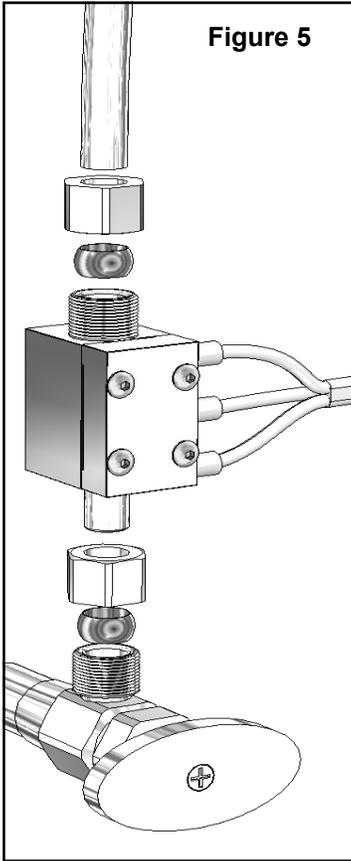


Figure 5

**STEP #2** - Turn off the water supplies and place a bucket underneath the shut off valves to catch water that may run out of the plumbing. (*Hint: Closing the faucet handles will minimize leakage*). Loosen the compression nuts on the connecting 3/8" O.D. supply tubes, at the shut-off valves. If the situation allows, bend and reposition the tubes in such a manner as to create a 1-1/2" gap (*Do not kink*). To simplify the installation, replace the copper risers with flex risers (*available at most hardware stores*). If this cannot be readily accomplished the tubes will have to be shortened approximately 1-1/2". Cut the tubes with a tube cutter. If a tube cutter is not available a hacksaw may be used, however be sure to de-bur and square the ends. If the 3/8" tubes need to be cut, extra compression sleeves are provided.

**STEP #3** - Prior to installing the valve blocks, open the shut-off valves momentarily to flush out any debris in the water lines. Large pieces of water borne debris will be trapped by the filter/screen in the valve blocks and may reduce water flow or cause noisy operation. Place the valve block into position as in Figure 5. Finger tighten the compression nuts until both valve blocks are in position. Be sure the plastic control tubing and fittings are not damaged in any manner.

**STEP #4** - Proceed to tighten the compression fittings using one wrench on the nut and another on the valve block body. Be sure that both inlet and outlet of the 3/8" O.D. supply tube fittings remain fully inserted while tightening.

**STEP #5** - Verify that all connections are tight. Turn on the water supply(s) and inspect **all** connections for leaks. Set the faucet, both hot and cold, completely open and push the kick plate to activate the water flow. Operate the kick plate on and off rapidly to clear air from the valves. The valves may experience some noise during on or off operation until the air is cleared. Allow some significant time to pass and then re-

-inspect all connections for leaks (*Small leaks may take several minutes to show up*).

## ADJUSTING THE KICK PLATE

The kick plate assembly may require adjustment from time to time to compensate for wear in the latching mechanism or simply adjusted to suit personal preference. The latch may be set to operate heavy or sensitive as a "hair trigger" depending upon the position of the pilot/actuator valve in the kick plate base.

**STEP # 1** - Remove the kick plate assembly from cabinet toe kick and then remove the end cap. (*Note: To adjust the kick plate properly one should be able to see through the assembly as per Figure 6*)

**STEP # 2** - Proceed to adjust the mounting height of the pilot/actuator valve by adjusting the valve body mounting nuts until there is approximately a 0.02" air gap between the black button of the pilot/actuator valve and the inside of the cover. Be sure to hold the hook of the cover against the catch of the base to take up any play (*Note: Repositioning the nuts by as little as half a turn is often adequate*)

**STEP # 3** - Test the assembly for proper operation using your hands only. In momentary mode (*pressing the vertical face*) the cover should move freely and the black button should bottom out before the hook of the cover bottoms against the base. In continuous mode (*pressing the angled face*) the top of the cover should return to its unlatched position by a firm tap against the vertical face of the cover. If the cover unlatches with difficulty, the gap will need to be increased. If the cover does not latch at all or is on a "hair trigger", decrease the gap. Remount the kick plate to the cabinet toe kick as per instructions above.

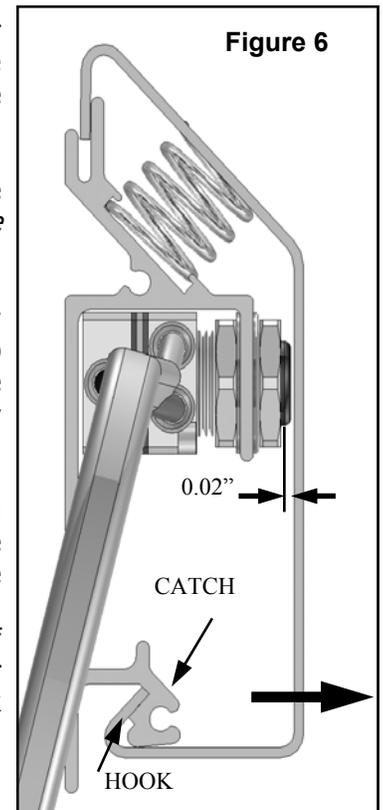


Figure 6

## TROUBLE SHOOTING

Symptom	Possible Cause	Remedy
The hot or cold water is very slow to turn on or will not turn on	Pinched tubing	Check control tubing (yellow and blue)
The hot or cold water is very slow to shutoff or will not shutoff	Pinched tubing	Check control tubing (green and blue)
Noise from the Valve Blocks while the water is running	The Valve Block may have excessive debris trapped under its Filter-screen	Service the Valve Blocks
Noise from the Valve Blocks when turning water on and off	Air in the system	Operate the pedal on and off rapidly to clear air from the valves.

Further information: [www.tapmaster.ca](http://www.tapmaster.ca) or call 800-791-8117

## FIVE YEAR LIMITED WARRANTY

### ***Congratulations on your purchase of TAPMASTER Hands Free Faucet Controller.***

TAPMASTER products are thoroughly tested before shipment and are warranted to be free of defects in material and workmanship for five years from the date of original purchase. The sole obligation of Tapmaster Incorporated under the warranty is to provide replacement parts or at its option to repair the defective product or to provide the replacement product. Replacement parts furnished in fulfillment of this warranty are warranted only for the unused portion of the original warranty. Labor and shipping charges are not included.

*Warranty conditions* - The five year warranty is subject to exclusions and limitations as stated below:

Warranty extends only to defects which occur during normal use and intended applications and does not extend to damage to products or parts resulting from alteration, repair, modification or faulty installation. This warranty does not cover damage resulting from water borne debris or from media other than clean potable water. Tapmaster Incorporated makes no other express warranty on this product, all implied warranties including any implied warranty of merchantability and fitness for a particular purpose are hereby disclaimed and excluded. In no event shall Tapmaster Incorporated be liable for special, incidental or consequential damages resulting from the use of this product or arising from breach of warranty or contract, negligence, loss of time, inconvenience or loss of use of equipment.