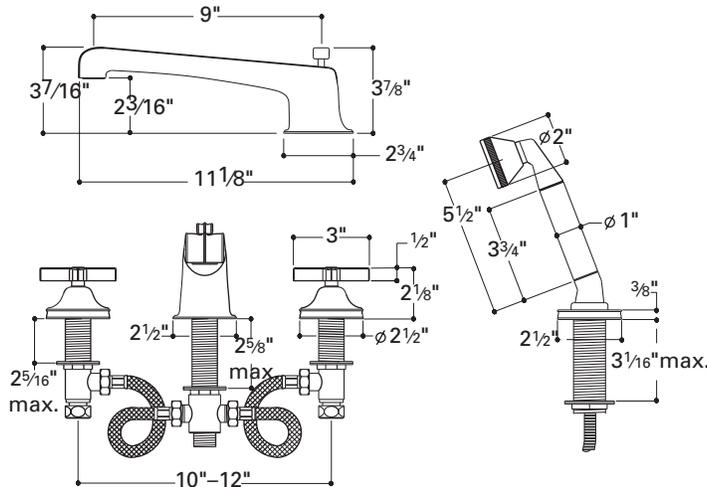


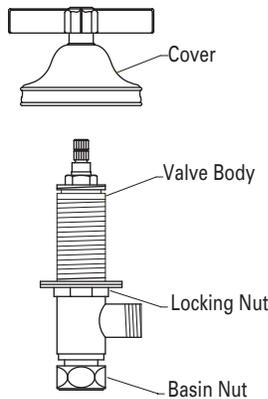
## BDTU87



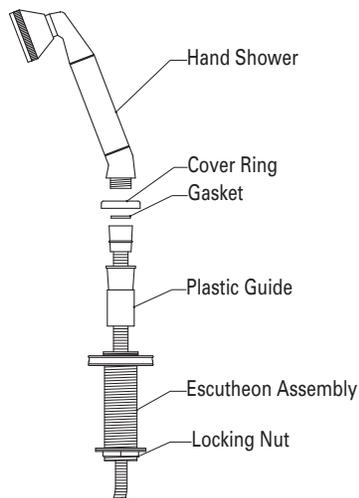
**Note:**

- Inlets: 3/4" straight male thread-NPT adaptors provided
- Drilling hole size: 1 1/2"

**Figure 1**



**Figure 2**



## NOTES

- Use only a protected, smooth-jawed, or strap wrench on any finished surface.
- For proper installation, the deck surface should be installed prior to mounting the mixer.
- It is recommended that an access panel be provided for future servicing.
- Check the specifications (left) for drilling hole sizes and suggested centers.
- Run 3/4" supply lines for maximum water flow.
- Accessible shut-off valves, which will facilitate servicing, are recommended for the hot and cold feed lines.

## INSTALLATION

- To remove the handle trim from the valve body, unscrew the cover and pull off the handle and cover together (see fig. 1).
- DO NOT use putty on deck fittings. Upper and lower washers are provided.
- Insert valve body through mounting hole and screw the cover down until fully seated. Then, tighten bottom locking nut to secure the valve to the deck. Repeat for other valve assembly.
- Remove the locking nut, gasket and tee assembly from the spout shank, and insert spout through the mounting hole.
- Re-attach the locking nut and gasket to spout shank, and tighten until the spout is secured.
- Re-attach the tee assembly, using the gasket provided.
- Install the flexible supply hoses between the valve bodies and the tee assembly.

## MOUNTING THE HAND SHOWER ESCUTCHEON (see fig. 2)

- Remove the locking nut from the handshower escutcheon assembly, and insert through the mounting hole. Then, re-attach and tighten the locking nut until fully secured.
- Unscrew and remove the finish cover ring from the top of the escutcheon assembly. Then, remove the plastic guide insert from within. Now, slip the cover ring over the handshower hose, with the top side facing the cone-shaped end of the hose.
- Attach the cone-shaped end of the hose to the handshower, using the gasket provided. Then, insert the hose through the plastic guide. Now, insert the handshower hose and plastic guide through the escutcheon assembly, and re-attach the cover ring.
- Connect the knurled end of the hose to the bottom of the tee assembly at the base of the spout.
- Connect the hot and cold water supplies to the side valve bodies.
- After installation, unscrew and remove the aerator assembly. Carefully open the hot and cold valves fully to flush out any debris in the supply lines. Once the lines have been flushed, close the valves and reinstall the aerator assembly.
- IMPORTANT: It is necessary to check for leaks and proper function of mixer, prior to being enclosed.
- If further assistance is required, please contact Product Support at: 1-800-927-2120 (8am-7pm EST).

## CARE AND CLEANING

The lustrous finish on your fitting should be treated with care. Improper handling or cleaning can damage the surface of any metal finish.

To clean the finish, wipe gently with a soft damp cloth and wipe dry with a soft towel. Use only a mild soap solution if required. **THE USE OF POLISH, ABRASIVE CLEANERS, SOLVENTS, AMMONIA-BASED PRODUCTS, OR ACID CLEANERS WILL DAMAGE THE FINISH AND VOID THE WARRANTY.**

Water contains lime and other minerals that will be left on the surface after the water has evaporated. You can prevent deposits from forming by always wiping the fitting dry immediately after use.

If you desire additional protection, the use of a pure carnauba automotive wax that does not contain cleaning agents will help to protect the surface finish from mineral deposits present in your water supply. This can be reapplied as necessary to continue protection.

Please note: In addition to the aforementioned care instructions, the following points are specific to certain finishes only. Select Waterworks faucets and basins are offered in finishes that have been pre-weathered, creating a patina that will continue to develop with age. In addition, items purchased in the unlacquered brass and copper finishes will change over time and may be polished using appropriate polishing compounds. Fittings offered in a silver-plated finish will tarnish with age. This finish may be restored to its original luster by using a non-abrasive silver polish. Be sure to read and follow the polish manufacturer's instructions for all applications.

## WARRANTY

### LIMITED LIFETIME MECHANICAL WARRANTY:

Waterworks warrants to the initial purchaser all plumbing and accessory products sold by Waterworks, which are installed in a residence to be used in a residential application, to be free from manufacturing defects in materials and workmanship for as long as the purchaser continues to own and maintain the residence where the products are initially installed.

### FIVE-YEAR FINISH WARRANTY:

Waterworks warrants to the purchaser the finish of all plumbing and accessory products sold by Waterworks, which are installed in a residence to be used in a residential application, to be free from manufacturing defects in materials and workmanship for a period of five years from installation of the products. Waterworks must receive notice of any warranty claim within the five-year warranty period.

### REPAIR OR REPLACEMENT:

If within the applicable warranty period the covered products shall be proved to the satisfaction of Waterworks to be defective, Waterworks will repair or replace such products, at its expense (provided that such repair or replacement shall not include installation costs). Waterworks' obligation shall be limited to such repair and replacement and shall be conditioned upon Waterworks' receiving notice of any alleged defect within the applicable warranty period. [Purchaser shall be responsible for all shipping charges for returned products.]

### LIMITATIONS ON WARRANTY COVERAGE:

The warranties set forth above shall be extended only to the purchaser and do not apply to any purchaser where the products are used for commercial applications and usage. Furthermore, the warranties do not cover installation or any other labor charges and do not apply to:

- (i) products which have been repaired, altered or modified in any way by purchaser or any person other than Waterworks or not using original Waterworks spare parts, unless previously authorized in writing by Waterworks;
- (ii) products which have not been installed, used, maintained or stored in accordance with the instructions provided to purchaser by Waterworks;
- (iii) products which have been used for purposes other than or in a manner contrary to their intended and normal use;
- (iv) products which have been damaged as a result of misuse, negligence, freezing, accident or faulty installation or maintenance; and
- (v) products damaged by the effects of dirt, salt water air, hard water, limescale, or abrasive or aggressive cleaners. If the normal life span of any product is shorter than the applicable warranty period, the warranty shall apply only during the period of such shorter life span.

### NOTICE OF WARRANTY CLAIMS:

For all warranty claims please call Waterworks Product Support at 800-927-2120, or write to Waterworks Product Support at 60 Backus Avenue, Danbury, Connecticut 06810.

**The warranties provided herein are conveyed only to the purchaser of products sold by Waterworks after January 1, 2000, and installed in a residential application.**

**Except as specifically set forth above, Waterworks does not make any other warranty, express or implied, including without limitation, any implied warranty of merchantability or fitness for a particular purpose. In no event shall Waterworks be liable to any person or entity for any indirect, special, incidental or consequential damages or loss (including damages for loss of business, loss of profits, or the like), whether based on breach of contract, tort (including negligence), product liability or otherwise, even if it has been advised of the possibility of such damages. Waterworks' liability on any claim of any kind, including negligence, shall in no case exceed the contract price paid by the purchaser for the product claimed to be defective or unsuitable.**