Assemble roll pin (R) onto hole on valve (K). Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Using a set screw wrench (P), tighten set pin (R) to slot in spout washer (E). Apply grease (O) to spout shank. Assemble assemblies (N) on valve (K).

Hold lever still and thread handle bottom of spout.
Installation of any measurement other than 10 inches between hot and cold handles will require cutting and soldering of the copper valve body.

Drill the 7/8 inch spout shank hole no more than 6 inches from the lip of the tub. Drill 1 1/2 inch holes for each of valves 5 inches on center from spout shank.

Drill the roll pin hole with a 3/16 inch drill. Position the roll pin hole 15/32 inch from the front center of the spout shank hole or 1 inch from the center of the spout shank hole.

Thread valve lower mounting nuts (I) on the valve body. Slide valve body locking washer (G) onto valve body.

Slide under deck mounting washer (H) onto spout shank aligning cut-out with roll pin hole. Insert spout shank clip (D) into groove on spout shank.

Thread valve upper mounting nuts (F) onto valve body (K). Thread down nuts until they stop.

Thread valve lower mounting nuts (I) onto valve body (K). Thread down nuts to the underside of the deck.

Tighten lower spout mounting nut (J) to the underside of the deck.

Thread valve lower mounting nuts (I) onto valve body (K). Thread down nuts to the underside of the deck.

Connect hot and cold water inlet lines to the bottom of the valve body (K). Thread test plug (B) onto spout shank. Turn on water and test for leaks.

Tighten lower spout mounting nut (J) to the underside of the deck.

Place handle assembly (N) onto cold and hot stem extensions (S) with handles pointing out.
**TWO-HANDLE ROMAN TUB VALVE**

**MODEL H444 SERIES**
- A. Shank cover
- B. Test plug
- C. Valve covers
- D. Spout shank clip
- E. Spout washer
- F. Valve body locking washers
- G. Under deck spout washer
- H. Under deck spout shank clip
- I. Lower spout mounting nut
- J. Valve body

**TWO-HANDLE ROMAN TUB TRIM**

**MODEL 86440 SERIES**
- A. Set screw
- B. Plug button
- C. Handle assembly
- D. Grease pack
- E. Set screw wrench
- F. Valve upper mounting nuts
- G. Valve body locking washers
- H. Under deck mounting washer
- I. Valve lower mounting nuts
- J. Lower spout mounting nut
- K. Valve body
- L. Stem extensions
- M. Roll pin
- N. Grease pack
- O. Handle assembly
- P. Set screw wrench
- Q. Spout

Installation of any measurement other than 10 inches between hot and cold handles will require cutting and soldering of the copper valve body.

Drill the 7/8 inch spout shank hole no more than 6 inches from the lip of the tub. Drill 1 1/2 inch holes for each of valves 5 inches on center from spout shank.

Drill the roll pin hole with a 3/16 inch drill. Position the roll pin hole 15/32 inch from the center of the spout shank hole.

Thread valve lower mounting nuts (I) on the valve body. Slide valve body locking washer (G) onto valve body.

Thread valve lower mounting nuts (I) onto valve body. Slide valve body locking washer (G) onto valve body.

Thread valve upper mounting nuts (F) onto valve body (K). Slide down nuts until they stop.

Thread valve upper mounting nuts (F) onto valve body (K). Slide down nuts until they stop.

Connect hot and cold water inlet lines to the bottom of the valve body (K). Thread test plug (B) into spout shank. Turn on water and test for leaks.

Place handle assembly (N) onto cold and hot stem extensions (S) with handles pointing out.
TWO-HANDLE ROMAN TUB VALVE
MODEL 86440 SERIES
A. Shank cover
B. Test plug
C. Valve covers
D. Spout shank clip
E. Spout washer
F. Valve upper mounting nuts
G. Valve body locking washers
H. Under deck spout washer
I. Valve lower mounting nuts
J. Lower spout mounting nut
K. Valve body

Drill the 7/8 inch spout shank hole no more than 6 inches from the lip of the tub. Drill 1 1/2 inch holes for each of valves 5 inches on center from spout shank.

Thread valve lower mounting nuts (I) on the valve body. Slide valve body locking washer (G) onto valve body.

Slide spout washer (E) onto spout shank aligning cut-out with roll pin hole. Insert spout shank clip (D) into groove on spout shank.

Thread valve lower mounting nuts (I) through the bottom of the valve body (K). Thread down nuts until they stop.

Thread valve upper mounting nuts (F) onto valve body (K). Thread down nuts until they stop.

Slide under deck spout washer (H) onto spout shank aligning cut-out for roll pin.

Tighten lower spout mounting nut (J) to the underside of the deck.

Thread test plug (B) into spout shank. Turn on water and test for leaks.

Drill the 7/8 inch spout shank hole no more than 10 inches from the lip of the tub. Drill 1 1/2 inch holes for each of valves 5 inches on center from spout shank.

Drill the roll pin hole with a 3/16 inch drill. Position the roll pin hole 15/32 inch from the center of the spout shank hole.

Rotate hot stem extensions (S) clockwise against stop. Rotate cold stem extensions (S) counterclockwise against stop.

Thread valve lower mounting nuts (I) on the valve body. Slide valve body locking washer (G) onto valve body.

Tighten lower spout mounting nut (J) to the underside of the deck.

Tighten lower spout mounting nut (J) to the underside of the deck.

Drill the 7/8 inch spout shank hole no more than 10 inches from the lip of the tub. Drill 1 1/2 inch holes for each of valves 5 inches on center from spout shank.

Drill the roll pin hole with a 3/16 inch drill. Position the roll pin hole 15/32 inch from the center of the spout shank hole.

Thread valve lower mounting nuts (I) on the valve body. Slide valve body locking washer (G) onto valve body.

Tighten lower spout mounting nut (J) to the underside of the deck.

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Drill the roll pin hole with a 3/16 inch drill. Position the roll pin hole 15/32 inch from the center of the spout shank hole.

Thread valve lower mounting nuts (I) on the valve body. Slide valve body locking washer (G) onto valve body.

Tighten lower spout mounting nut (J) to the underside of the deck.

Tighten lower spout mounting nut (J) to the underside of the deck.

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Drill the roll pin hole with a 3/16 inch drill. Position the roll pin hole 15/32 inch from the center of the spout shank hole.

Thread valve lower mounting nuts (I) on the valve body. Slide valve body locking washer (G) onto valve body.

Tighten lower spout mounting nut (J) to the underside of the deck.

Tighten lower spout mounting nut (J) to the underside of the deck.
Assemble roll pin (R) onto hole on valve (K). Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Hold lever still and thread handle assembly (N) on valve (K) and force handle (Q) into valve (K). Install pin (R) to slot in spout washer (E). Apply grease (O) to spout shank. Assemble assembly (N) on valve (K), thread handle (Q) through spout washer (E), and align roll pin (R) into slot in spout washer (E). This process will require cutting and soldering of the copper valve body.
Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L). Assemble roll pin (R) onto hole on spout. Insert plug button (M) into back screw (L) into spout securing spout to valve (K). Inserting spout (Q) onto valve (K) while aligning roll pin (R) into hole in spout washer (S). Using a set screw wrench (P), tighten set screw (L).