

STEP BY STEP ILLUSTRATED INSTRUCTIONS

Leave this instruction sheet with installed faucet and write purchased model number here for future reference!



READ COMPLETE INSTRUCTIONS BEFORE INSTALLING YOUR TWO HANDLE WASHERLESS WIDESPREAD BATH FAUCET

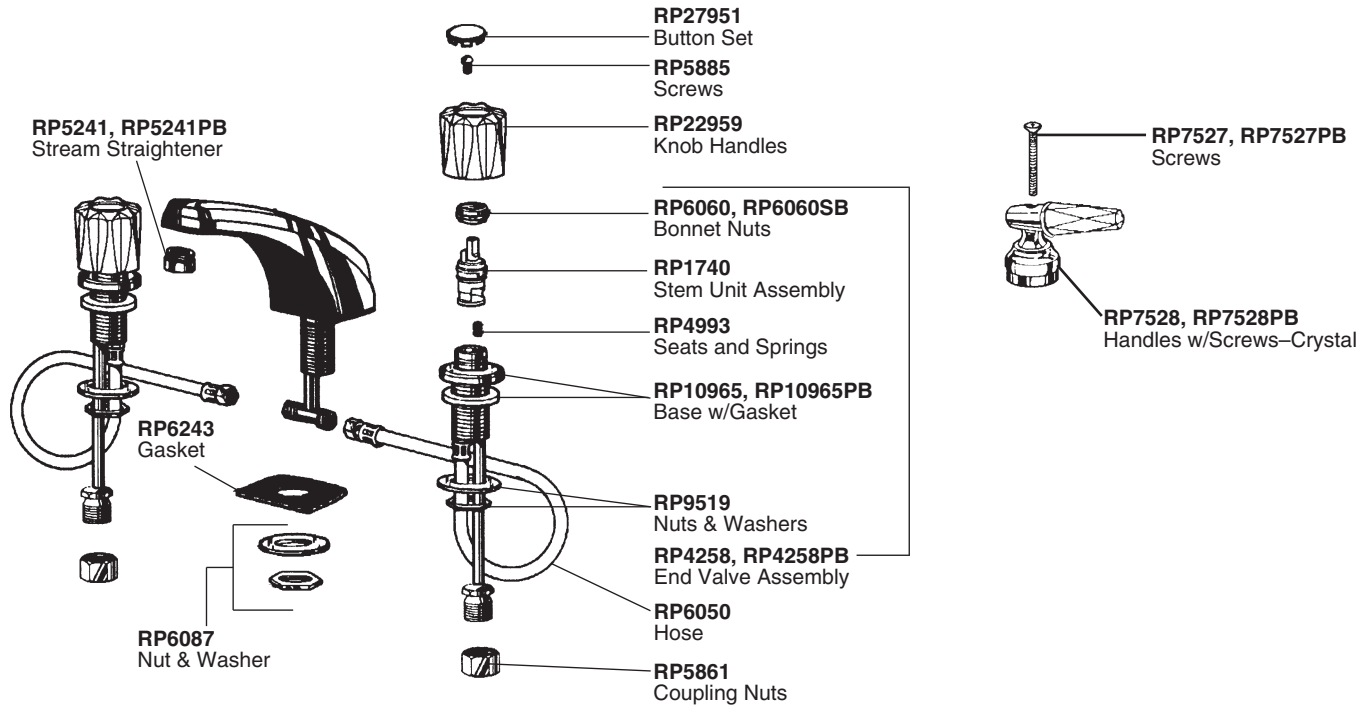
MODEL 83200-SBS: Knob Handle—Chrome
MODEL 83200-PBSBS: Knob Handle—Polished Brass
MODEL 83500-SBS: Lever Handle—Chrome
MODEL 83500-PBSBS: Lever Handle—Polished Brass



ASME A112.18.1 / CSA B125.1



FLOW RATE=10.5 GPM AT 60 PSI



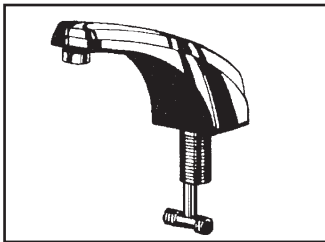
The Delta SBS® products shown here are protected by one or more of the following U.S. Patents: 3,645,493, 3,786,995, 4,523,604, 4,562,960, 4,593,430, 4,218,785, 4,577,653, 4,765,365. More patents are pending.

INSTALLATION STEPS

IMPORTANT: USE TEFLON® TAPE ON ALL THREADED CONNECTIONS

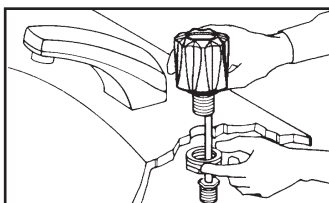
STEP 1.

SHUT OFF WATER SUPPLY. Disconnect and remove old faucet. Remove new faucet from package. Remove the nut, washer and paper tube from spout assembly. Discard the paper tube. Mount the spout in center hole of sink making sure rubber gasket is properly aligned in cavity of spout or spout base. Secure spout using washer and nut. Use wrench to tighten.



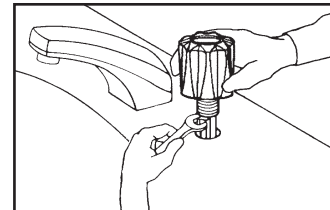
STEP 2.

Remove the nut and washer from end valve. Insert end valve through hole in sink making sure the inlet tube faces away from spout. Slip the washer and nut over fitting.



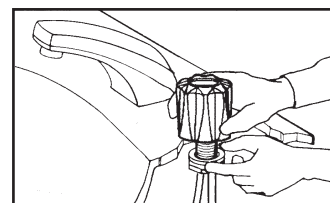
STEP 3.

Insert hose up through the nut, washer and hole in sink. Thread the hose adapter into the bottom of the end valve body and tighten with a wrench. **IMPORTANT: Use Teflon® tape on hose adapter threads.**



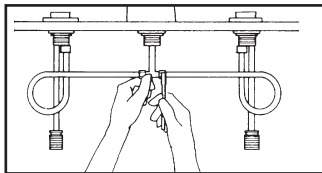
STEP 4.

Place the end valve back down into the sink making sure the rubber gasket is properly aligned in base. Slip the washer up onto the body and secure the nut. Repeat steps 2, 3 and 4 for second end valve.



STEP 5.

Loop both hot and cold hoses toward tee. Gently bend tee forward to align with hoses and screw coupling nuts onto the nipple. Grip tee and coupling nuts firmly while tightening each nut with a wrench.

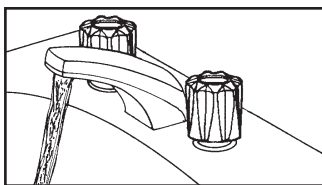


STEP 6.

Make connections to water lines. (For models with 1/2" IPS adapters, use 1/2" IPS faucet connections, or use the supplied coupling nuts with 3/8" O.D. ball-nose risers.)

STEP 7.

IMPORTANT: After connections have been made, remove stream straightener, turn handles to full on position. Turn on water supplies, check for leaks and let lines flush for one minute without moving faucet handles. This will remove debris from lines which can damage internal parts of faucet and create leaks. After flushing, shut off water at faucet and replace stream straightener.



ROUTINE MAINTENANCE

IMPORTANT: AFTER ANY MAINTENANCE BE SURE TO REMOVE STREAM STRAIGHTENER AND FLUSH BOTH HOT AND COLD LINES FOR ONE MINUTE EACH.

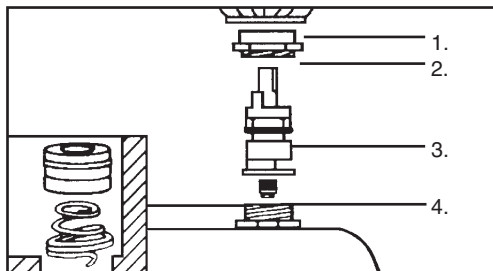
Your *Delta SBS*® washerless faucet will give you years of trouble-free performance. When maintenance is eventually called for it's a quick clean job with one of the inexpensive *Delta*® repair kits available where you bought your faucet. The replacement parts in these kits will restore your faucet to the same condition as the day you bought it.

The *Delta SBS*® 5 year limited warranty on valve mechanism and chrome plated parts is made possible by superior design, quality parts and careful workmanship in manufacturing. Should you ever need replacement parts that are not included in the regular parts kits that are available where you purchased your faucet, simply write to: Masco Plumbing Products Division Customer Service, 55 E. 111th Street, Indianapolis, Indiana 46280.

IF FAUCET LEAKS FROM SPOUT—Replace seats and springs, Repair Kit RP4993.

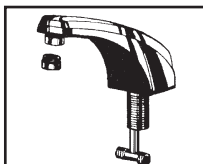
1. **SHUT OFF WATER SUPPLIES.** Remove handle.
2. Unscrew and remove bonnet nut.
3. Pull stem unit straight out.*
4. Remove seat and spring and replace with a new seat and spring. **Note:** Refer to insert for proper seat and spring installation. Reassemble faucet in reverse order.

IF LEAK PERSISTS—Replace stem unit assembly Repair Kit RP1740.*



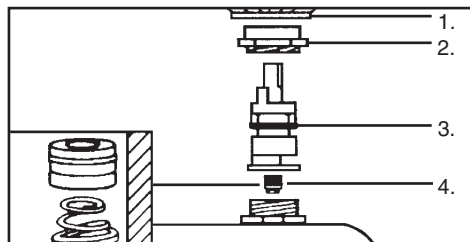
IF FAUCET EXHIBITS WATER FLOW REDUCTION

1. Remove stream straightener and flush faucet, check for large debris and replace stream straightener.



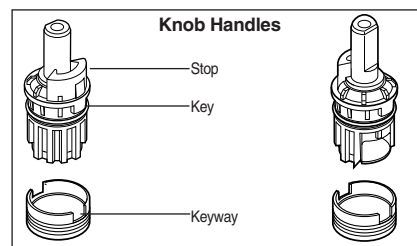
IF REDUCED FLOW IS STILL NOTED—Clear springs of debris and flush system.

1. **SHUT OFF WATER SUPPLIES.** Remove handle.
2. Unscrew and remove bonnet nut.
3. Pull stem unit straight out.*
4. Remove seat and spring and any debris trapped in spring. **IMPORTANT: USE EXTREME CAUTION.** Flush lines by opening water supplies **SLIGHTLY!** We recommend placing a bucket over the valve opening to prevent water spray. Repeat procedure on other valve. Shut off water supplies and reassemble faucet in reverse order.

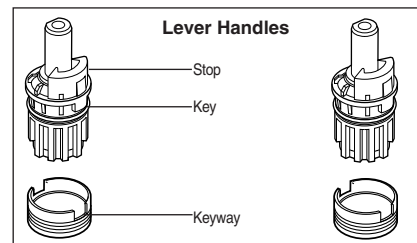


***Important:** Stem units must be replaced correctly for proper handle rotation.

Knob Handle Stem Position—Stem units must be installed so "stop" on stems point to center of faucet.



Lever Handles—Stem units must be installed so stops on stems both point to the right.



CLEANING AND CARE

Your new *Delta SBS*® faucet is designed and engineered in accordance with the highest quality and performance standards. With proper care, it will give you years of trouble-free service. Care should be given to the cleaning of this product. Although its finish is extremely durable, it can be damaged by harsh abrasives or polish. To clean, simply wipe gently with a damp cloth and blot dry with a soft towel.

WARNING:

SCRUBBING BUBBLES® BATHROOM CLEANER and **LYSOL® BASIN TUB AND TILE CLEANER** must not be used on the clear knob handles and levers. Use of these cleaners can result in cracked or severely damaged handles. If overspray gets onto the handles, immediately wipe them dry with a soft cotton cloth.

Limited Warranty

All parts of this *Delta SBS*® product are warranted to the original consumer purchaser to be free from defects in material and workmanship for a period of five (5) years from date of purchase as shown on purchaser's receipt.

MASCO PLUMBING PRODUCTS DIVISION will replace, FREE OF CHARGE, during the warranty period, any part which proves defective in material and/or workmanship under normal installation, use, and service. Replacement parts can be obtained from your dealer or by returning the part to our factory. **TRANSPORTATION CHARGES PREPAID**, at the address listed on back. **THIS WARRANTY IS THE EXCLUSIVE WARRANTY GRANTED BY MASCO PLUMBING PRODUCTS DIVISION AND IS IN LIEU OF ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND IS FURTHER LIMITED TO DEFECTIVE PARTS REPLACEMENT ONLY. LABOR CHARGES AND/OR DAMAGE INCURRED IN INSTALLATION, REPAIR, OR REPLACEMENT AS WELL AS INCIDENTAL AND CONSEQUENTIAL DAMAGES CONNECTED THEREWITH ARE EXCLUDED AND WILL NOT BE PAID BY MASCO PLUMBING PRODUCTS DIVISION.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Any damage to this faucet as a result of misuse, abuse, neglect, accident, improper installation, any use violative of instructions furnished by us, or any use of replacement parts other than genuine *Delta* parts WILL VOID THE WARRANTY.



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