

### 23490T-4 4 Hole Deck Mount Bath Faucet With Handshower

#### BEFORE YOU BEGIN

All information is based on the latest product information available at the time of publication. Kohler Co. reserves the right to make changes in product characteristics, packaging, or availability at any time without notice.

Please leave these instructions for the consumer. They contain important information.

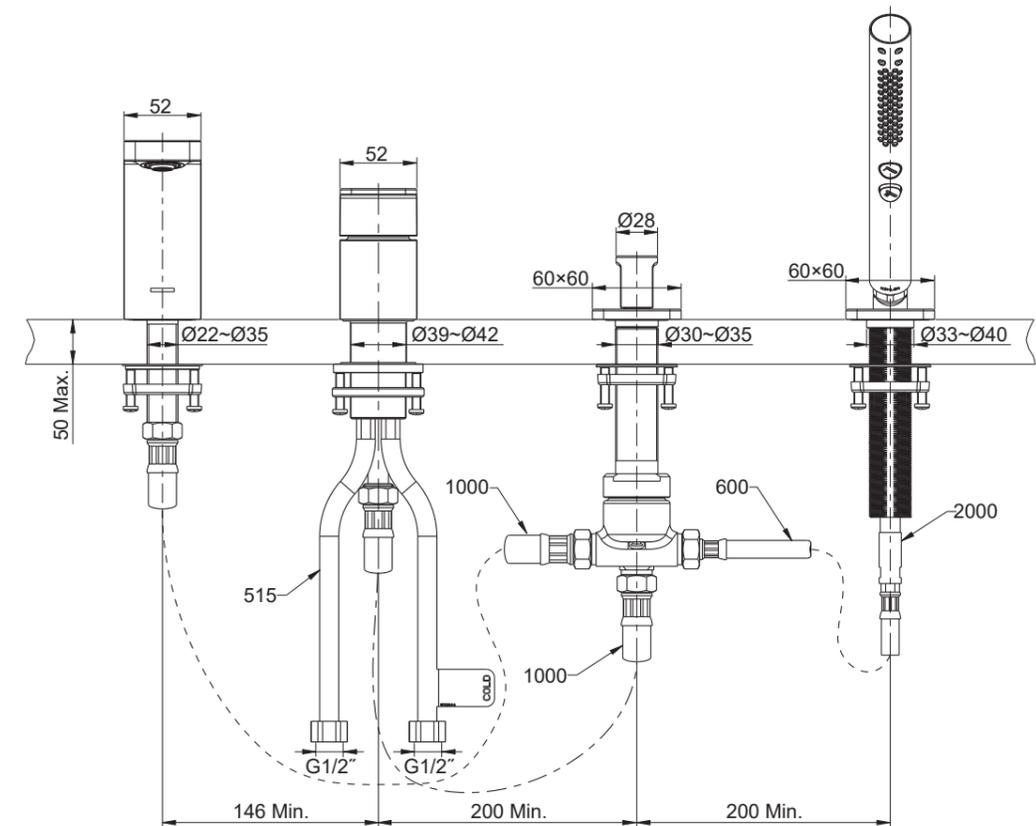
#### NOTES:

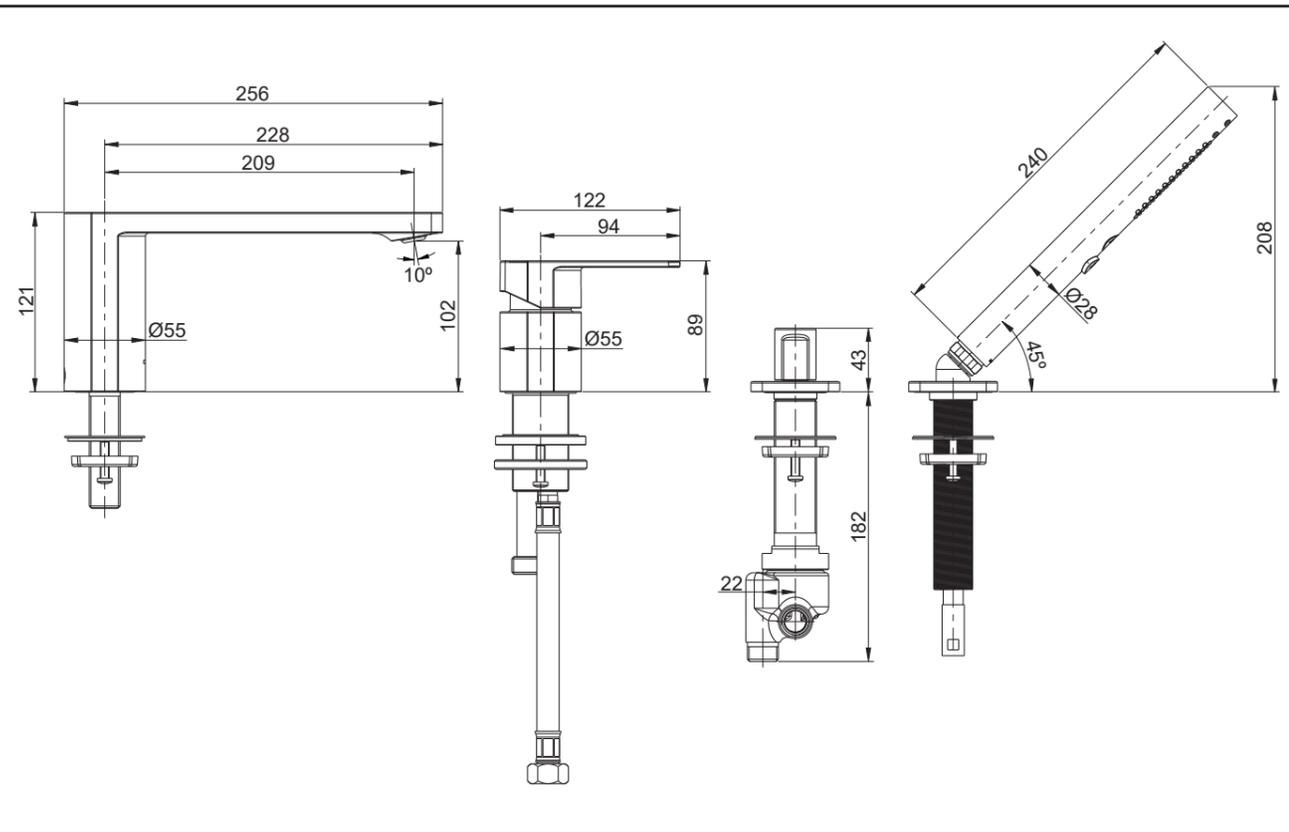
1. Flush the water supply pipes thoroughly to remove debris.
2. Inspect the supply tubing for damage and leakage. Replace and maintain as necessary.
3. Observe local plumbing codes.
4. If possible, install the faucet before installing the tub.
5. The highest working pressure for handshower is 0.5MPa(5bar). If it exceeds 0.5MPa(5bar), a pressure reducer is needed. The highest water and environment temperature is 60°C. Please keep handshower, showerhead and shower arm away from heater, or it may become damaged and cause injury to the user.

#### HANDLE OPERATION

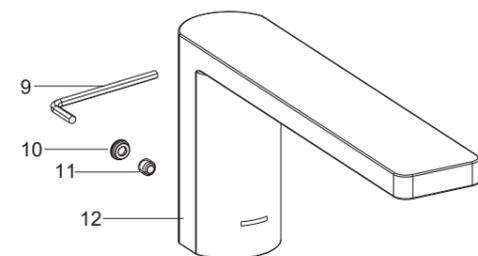
Lift the faucet handle gently. Turn clockwise for hot water, turn counter-clockwise for cold water.  
Turn diverter handle clockwise for bath spout, turn counter-clockwise for handshower, middle position for both.  
Press the buttons of the handshower to change the water flow.

#### ROUGH-IN DIMENSIONS



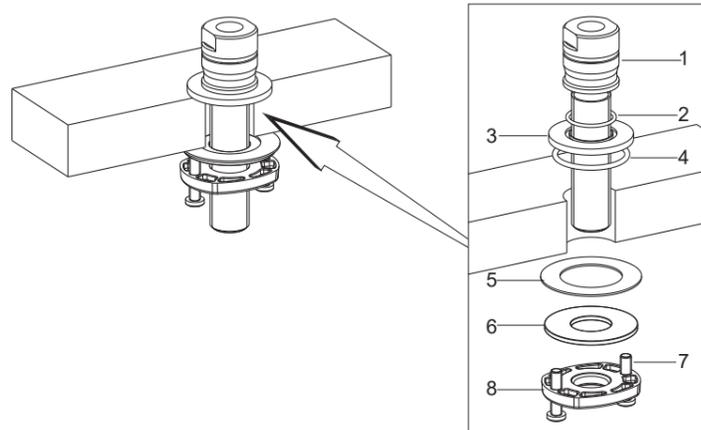


## INSTALLATION



### How to Install the Spout

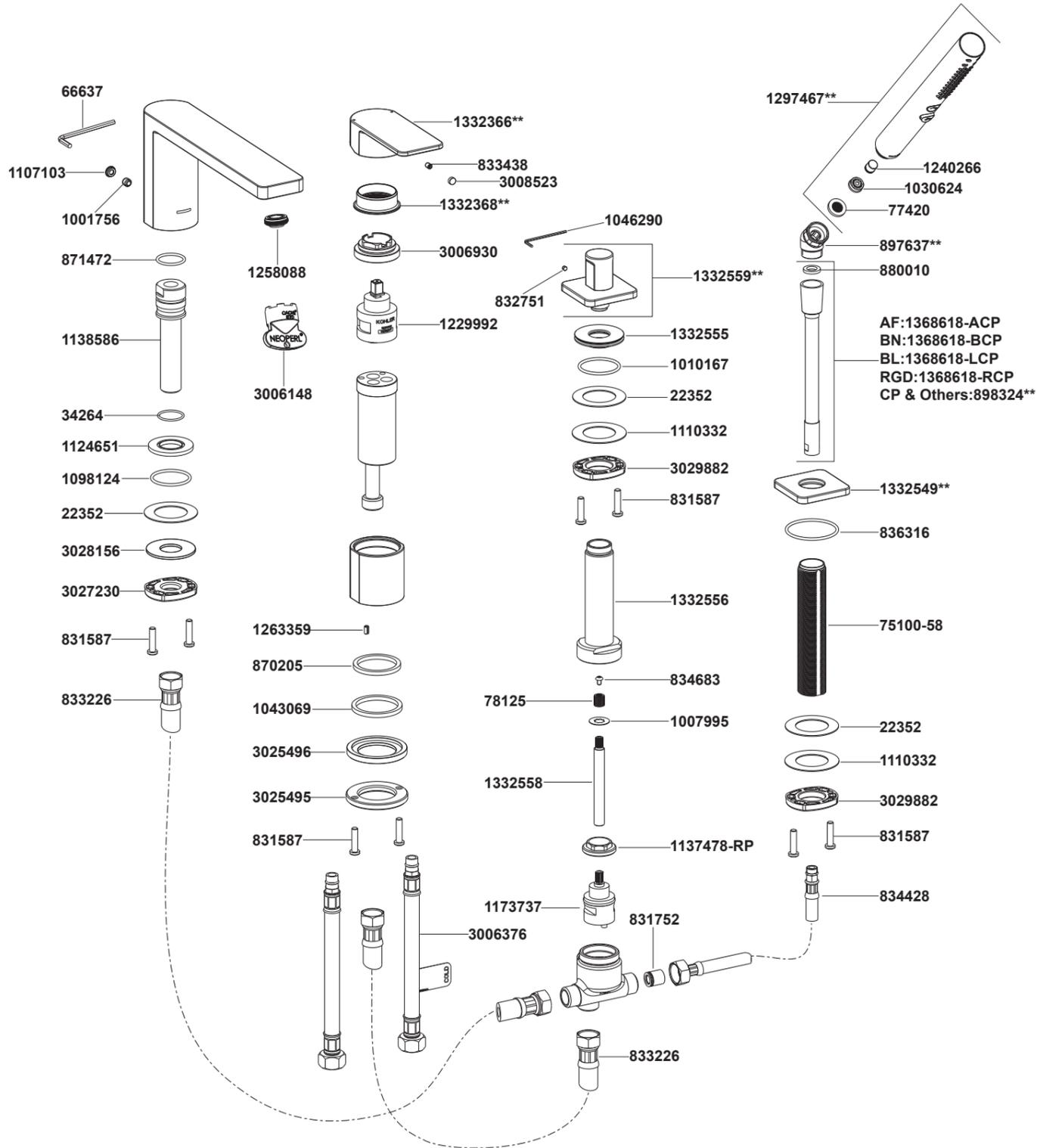
Put the O-ring(2) into the top groove of the washer(3). Put the O-ring(4) into the bottom groove of the washer(3). Slide the washer with O-rings onto the shank(1). Insert the shank into the mounting hole from upside of the bathtub.



Pre-install the screws(7) into the screw holes of the threaded ring(8). From underside of the bathtub, install the fiber washer(5), steel washer(6) and threaded ring. Secure the shank by tightening the screws(7).

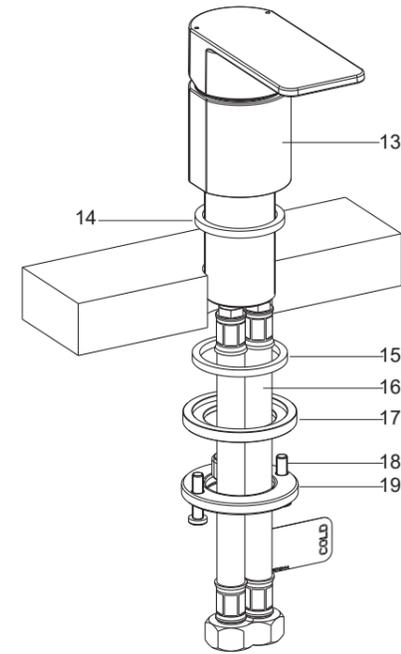
Press the spout(12) onto the shank. Position the spout and keep it frontwards. Align the screw(11) to the screw hole of the spout and then tighten it by hex wrench(9). Insert the plug(10).

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\*\*Color code must be specified when ordering.

**How to Install the Handle Kit**

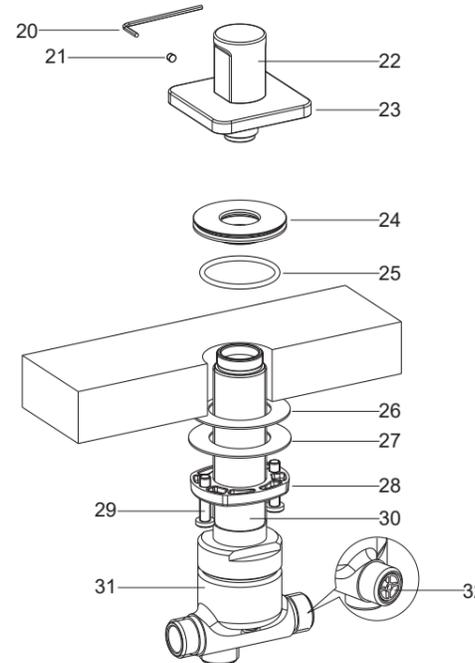


Put the washer(14) into the handle kit(13) bottom. Insert the handle kit with the hoses(16) into the mounting hole from upside of the bathtub.

Pre-install the screws(18) into the screw holes of the threaded ring(19). Put the washer(15) into the washer(17). From underside of the bathtub, install the washers and mounting ring. Position the handle kit and keep it frontwards. Secure the handle kit by tightening the screws(18).

Attach the hoses to the water supplies. The hose with "COLD" mark should be connected to cold water.

**How to Install the Diverter Body**

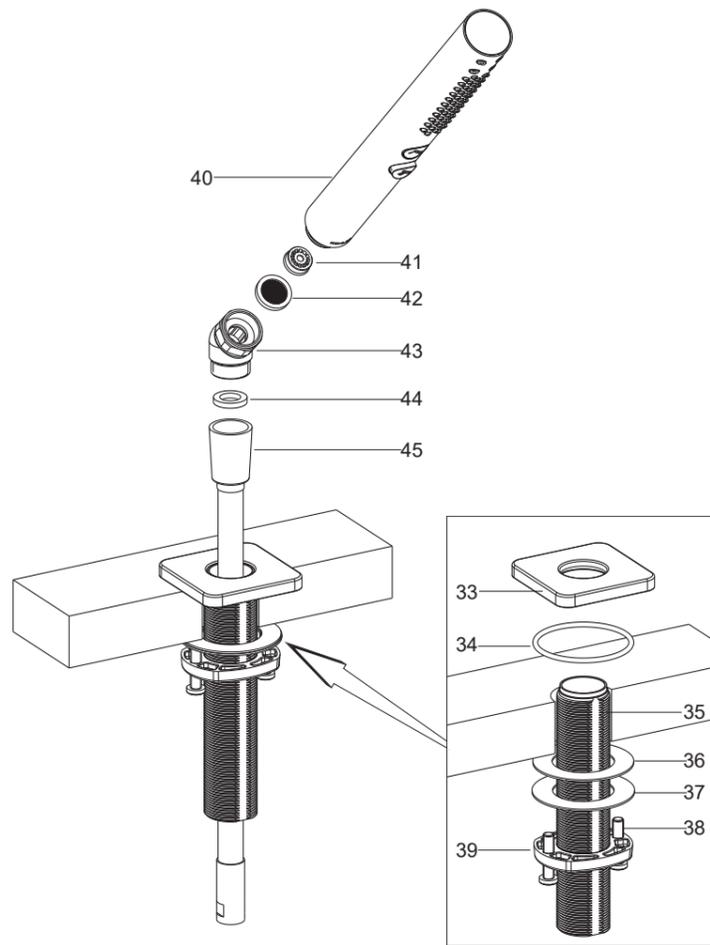


Pre-install the screws(29) into the screw holes of the threaded ring(28). Install the threaded ring, steel washer(27) and fiber washer(26) on the shank(30). From underside of the bathtub, install the diverter assembly(31) into the mounting hole.

Put the O-ring(25) into the groove of the nut(24). Tighten the nut onto the shank from upside of the bathtub. Secure the diverter assembly by tightening the screws(29).

**NOTE:** The end with check valve(32) in diverter is connected to shower hose.

Press the handle kit(22) onto the nut. Position the handle base(23) as shown. Tighten the screw(21) by hex wrench(20).



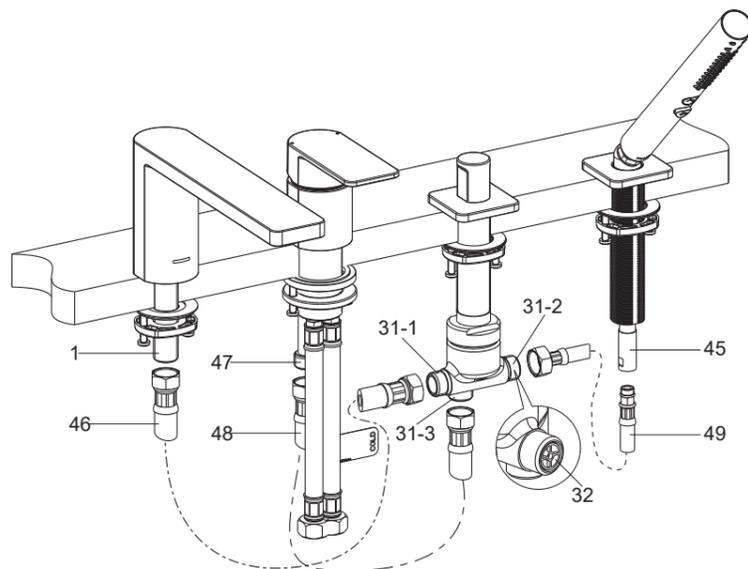
### How to Install the Handshower

Pre-install the screws(38) into the screw holes of the threaded ring(39). Install the threaded ring, steel washer(37) and fiber washer(36) on the shank(35). From underside of the bathtub, install the shank into the mounting hole as shown.

Put the O-ring(34) into the groove of the escutcheon(33). Tighten the escutcheon with O-ring on the shank. Tighten the screws(38) firmly.

Put the washer(44) into the shower hose (45, length: 2000mm). Connect the shower hose to the elbow assembly(43) firstly. Then slide the shower hose through the escutcheon and shank.

Put the screen washer(42) into the elbow assembly. Put the restrictor(41) into the handshower(40) if needed. Connect the elbow assembly to handshower.



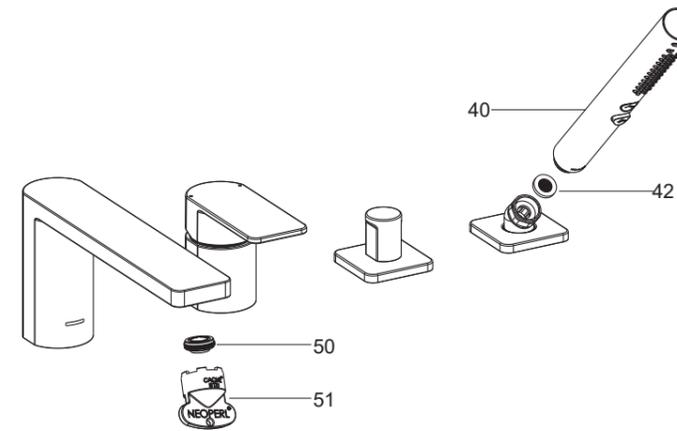
### How to Connect the Hose

Connect one end of the hose(48, length: 1000mm) to the connector(47). Connect the other end to the bottom port(31-3) of the diverter.

Connect one end of the hose(46, length: 1000mm) to the shank(1). Connect the other end to the diverter outlet(31-1).

Connect one end of the hose(49, length: 600mm) to the shower hose(45, length: 2000mm). Connect the other end to the shower end(31-2, the end with check valve(32)) of the diverter.

### INSTALLATION CHECKOUT



Ensure all connections are tight.  
Ensure the handles are in the off position.

Uninstall the aerator(50) by tool(51).  
Uninstall the handshower(40).

Turn on the main water supply and check for leaks. Open valve and run water through the spout to remove any debris. Switch to handshower and remove debris from screen washer(42). Turn off the valve. Reinstall the aerator and handshower.



### How to Maintain the Handshower

Any debris or mineral build-up may cause the flow stream distorted or reduce the flow rate. To remove the debris or mineral build-up, run water through the handshower, firmly press or rub your finger back and forth across the rubber nozzles.

### CLEANING INSTRUCTIONS

All Finishes: Clean the finish with mild soap and warm water. Wipe entire surface completely dry with clean soft cloth. Many cleaners may contain chemicals, such as ammonia, chlorine, toilet cleaner etc, which could adversely affect the finish and are not recommended for cleaning.

Do not use abrasive cleaners or solvents on Kohler faucets and fittings.