

# Model ST-2459 Series Water Closet Installation Instructions

## THE RIGHT CHOICE

We thank you for your purchase. Our products are 100% tested but should you have any questions, please contact us by phone or on our web site.



ST-2459

**▲ WARNING: Vitreous china can chip or break if the bolts or nuts are over-tightened or if mishandled.**

- Check all local plumbing and building codes.
- Check for any damage to the new water closet before installation.

### WHAT YOU WILL NEED...

- Sponge
- Putty knife
- Safety glasses
- Measuring tape
- Spud wrench
- Non-wax Gasket
- 10" adjustable wrench
- Large level
- Carrier Mounting hardware

NOTE: Plumbing System Requirements

- ✓ Minimum Flowing Pressure: 25 PSI
- ✓ Minimum Flow Rate: 18 GPM
- ✓ Maximum Static Pressure: 80 PSI

NOTE: All vitreous china dimensions shown in these drawings are nominal. Dimensions can vary within the tolerances established in the governing ASME A112.19.2/CSA B45.1 standard. Please take this into consideration when planning rough-in and plumbing layouts.

## RETROFIT INSTALLATIONS

### 1. REMOVAL OF EXISTING WATER CLOSET

- Turn off the water supply.
- Disconnect the flush valve.
- Sponge out all remaining water from bowl.
- Cut caulk all around existing bowl using utility knife to release bowl from wall surface.
- Remove the existing water closet.
- Using sharp scraper or putty knife, completely remove all remaining caulk from wall surface.
- Dispose of old gasket.

### 2. CHECK ROUGH-IN DIMENSIONS

- Check rough-in dimensions and install or relocate flush valve and outlet as indicated.
- A carrier unit is recommended to properly install and support the wall hung water closet. Install carrier unit (not included) per instructions provided by the carrier manufacturer.
- Verify carrier studs are level.

### 3. CLEAN DRAIN

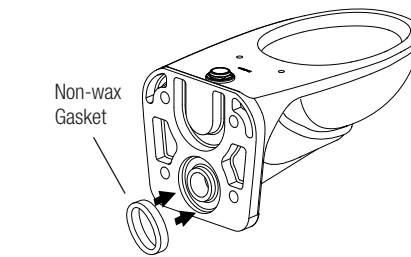
- Clean out waste pipe using hand or power cleaner to be sure pipe is clear.
- Proceed to NEW INSTALLATIONS.

**▲ WARNING: Hazardous gases can escape through the waste pipe if new water closet is not installed quickly. A temporary fix: place a large rag in the waste pipe.**

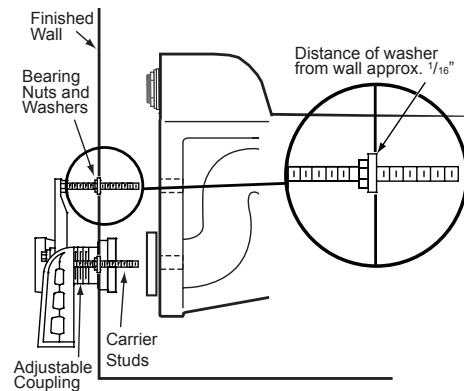
## NEW INSTALLATIONS

### 1. INSTALLING GASKET

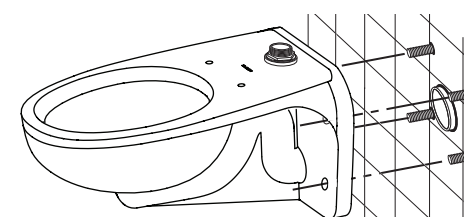
- Remove the temporary rag (if used) from the waste pipe hole.
- Lay water closet down on padded surface to help protect the vitreous china.
- Apply gasket to bowl outlet. Refer to the gasket manufacturer's instructions for installation. (Note: wax gaskets of any kind are NOT recommended.)



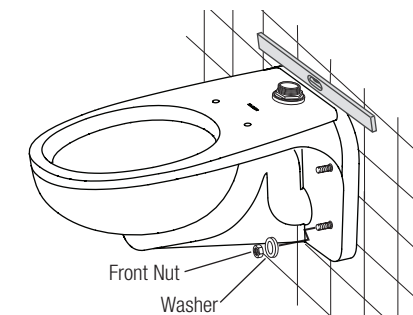
### 2. INSTALLING WATER CLOSET



- Determine proper length for carrier studs per carrier's manufacturer.
- Install (3) sets of bearing nuts and washers onto carrier studs: two at the bottom and one on top leaving one top stud blank.
- Bearing nuts and washers must be placed to allow a minimum gap of 1/16" between the wall and fixture. The carrier supports the bowl, not the wall.
- Place level vertically across the top and bottom bearing nuts to ensure they are leveled.
- Adjust carrier coupling to compress gasket for a gas and watertight seal per gasket manufacturer's instructions.

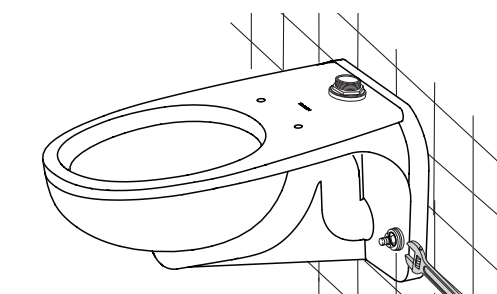


- Place water closet onto the carrier studs.



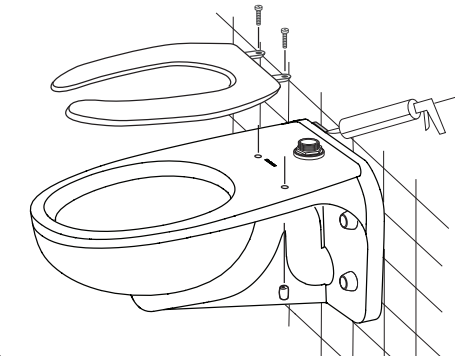
- Loosely attach washers and front nuts on threaded carrier studs.
- Verify water closet is level.
- Hand tighten the (3) nuts that have the bearing nuts behind the water closet.
- Tighten the top nut then bottom nuts alternately while judging the flex of the bowl at the front lip due to the compression of the gasket. Bowl is secure and has adequate seal when no noticeable flex occurs.
- Hand-tighten the last nut and washer, then tighten 1/4-turn using a wrench.

**▲ IMPORTANT! Do not overtighten the nuts, breakage and chipping of vitreous china can occur.**



### 3. COMPLETING THE INSTALLATION

- Flush valve should be installed to manufacturer's installation instructions.



- Turn on water supply valve.
- Install water closet seat.
- Caulk around water closet.
- Flush water closet a few times and check all connections for water seepage.
- Check for leaks for a few days.
- Record model number for reference.

## LIMITED WARRANTY

Sloan Valve Company warrants its vitreous china products to be made of first class materials, free from defects of material or workmanship under normal use and to perform the service for which they are intended in a thoroughly reliable and efficient manner when properly installed and serviced, for a period of three years from date of purchase. During this period, Sloan Valve Company will, at its option, repair or replace any part or parts which prove to be thus defective if returned to Sloan Valve Company, at customer's cost, and this shall be the sole remedy available under this warranty. No claims will be allowed for labor, transportation or other incidental costs. This warranty extends only to persons or organizations who purchase Sloan Valve Company's products directly from Sloan Valve Company for purpose of resale.

**THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. IN NO EVENT IS SLOAN VALVE COMPANY RESPONSIBLE FOR ANY CONSEQUENTIAL DAMAGES OF ANY MEASURE WHATSOEVER. NOTE: IN NO EVENT SHALL THE SLOAN VALVE COMPANY BE LIABLE FOR INCIDENTAL DAMAGES, RESULTING FROM IMPROPER INSTALLATION, OR FOR DAMAGES CAUSED BY NEGLIGENCE, ABUSE OR ALTERATION.**

**TO MAXIMIZE THE PERFORMANCE OF YOUR SLOAN® WATER CLOSET, USE ONLY SLOAN® FLUSHMETERS**



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**SLOAN VALVE COMPANY**

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