H₂Option Siphonic Dual Flush Two-Piece Toilet
Models 2886 / 2887 / 2889

Thank you for selecting American Standard – the benchmark of fine quality for over 100 years. To ensure this product is installed properly, please read these instructions carefully before you begin. (Certain installations may require professional help.) Also be sure your installation conforms to local codes.

CAUTION: PRODUCT IS FRAGILE. TO AVOID BREAKAGE AND POSSIBLE INJURY HANDLE WITH CARE!

NOTE: Pictures may not exactly define contour of china and components.

RECOMMENDED TOOLS AND MATERIALS

<table>
<thead>
<tr>
<th>Putty Knife</th>
<th>Regular Screwdriver</th>
<th>Adjustable Wrench</th>
<th>Sealant</th>
<th>Tape Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hacksaw</td>
<td>Wax Ring/Gasket</td>
<td>Flexible Supply Tube</td>
<td>Closet Bolts</td>
<td>Carpenters Level</td>
</tr>
</tbody>
</table>

1 REMOVE OLD TOILET
   a. Close toilet supply valve and flush tank completely. Towel or sponge remaining water from tank and bowl.
   b. Disconnect and remove supply line. NOTE: If replacing valve, first shut off main water supply!
   c. Remove old mounting hardware, remove toilet and plug floor waste opening to prevent escaping sewer gases.
   d. Remove closet bolts from flange and clean away old wax, putty, etc. from base area.
   NOTE: Mounting surface must be clean and level before new toilet is installed!

2 ROUGHING-IN DIMENSIONS:
   NOTE: Distance from wall to closet flange centerline must be as listed below:
   A = 12" (305mm)

3 INSTALL CLOSET BOLTS
   Install closet bolts in flange channel and slide into place parallel to wall.

4 INSTALL WAX SEAL
   Invert toilet on floor (cushion to prevent damage), and install wax ring evenly around waste flange (horn), with tapered end of ring facing toilet. Apply a thin bead of sealant around toilet base.

5 POSITION TOILET ON FLANGE
   a. Unplug floor waste opening and install toilet on closet flange so bolts project through mounting holes.
   b. Loosely install retainer washers and nuts. Side of washers marked "THIS SIDE UP" must face up!
INSTALL TOILET

a. Position toilet squarely to wall and, with a rocking motion, press bowl down fully on wax ring and flange. Alternately tighten nuts until toilet is firmly seated on floor.

**CAUTION:**
DO NOT OVERTIGHTEN NUTS OR BASE MAY BE DAMAGED!

b. Install caps on washers. (If necessary, cut bolt height to size before installing caps.)
c. Smooth off the bead of sealant around base. Remove excess sealant.

INSTALL TANK

a. Install large rubber gasket over threaded outlet on bottom of tank and lower tank onto bowl so that tapered end of gasket fits evenly into bowl water inlet opening.
b. Insert tank mounting bolts and rubber washers from inside tank, through mounting holes, and secure with metal washers and nuts.
c. With tank parallel to wall, alternately tighten nuts until tank is snugged down evenly against bowl surface.

**CAUTION:**
DO NOT OVERTIGHTEN NUTS MORE THAN REQUIRED FOR A SNUG FIT!

INSTALL TOILET SEAT

Install toilet seat in accordance with manufacturer's directions.

Before continuing, determine the type of water supply connection you have from the chart below and use the appropriate assembly parts required to properly reconnect the water supply.

**CAUTION:**
Do not use plumber's putty, pipe dope, or any other sealant on the water supply connection to this tank. If the connection leaks after hand tightening, replace the supply line. If the connection continues to leak with the new supply line, replace the fill valve.

**WARNING:**
Warranty is void if any type of sealant is used on the water supply connection.
CARE AND CLEANING

When cleaning your toilet, wash it with mild, soapy water, rinse thoroughly with clear water and dry with a soft cloth. Avoid detergents, disinfectants, or cleaning products in aerosol cans. NEVER use abrasive scouring powders or abrasive pads on your toilet seat. Some bathroom chemicals and cosmetics may damage the seat’s finish.

WARNING:
Do not use in-tank cleaners. Products containing chlorine (calcium hypochlorite) can seriously damage fittings in the tank. This damage can cause leakage and property damage.

American Standard shall not be responsible or liable for any tank fitting damage caused by the use of cleaners containing chlorine (calcium hypochlorite).

FLUSH BUTTONS ON TANK

Pressing both buttons at once will flush the small flush amount 0.9 gal/flush or 3.4 L/flush. The Small Flush Button (with 3 dots) should line up over the blue actuator on the flush tower in the tank. The Large Flush Button (with 9 dots) should line up over the white actuator on the flush tower in the tank.

Small Flush Button (with 3 dots) for liquid waste. 1.0 gal/flush 3.8 L/flush

Large Flush Button (with 9 dots) for solid waste. 1.6 gal/flush 6 L/flush

TIPS:
If the flush doesn’t flush properly, after eliminating other causes, remove the tank lid and directly push the flush button in the tank. If the flush works you will need to adjust the push button mounted on the tank lid with the settings as follows:
1. Turn the lid upside down.
2. Loosen the black plastic lock nut.
3. Adjust the white threadrod one turn counterclockwise.
4. Re-tighten the black plastic lock nut.
5. Put lid back on tank and test. If it is still not flushing properly, repeat steps 1 through 4 until the problem is resolved.
6. If one counterclockwise turn is too much and causes the flush valve to stay open, adjust 1/2 turn clockwise and return to step 4.

REPAIR PARTS LIST

Repair parts are determined by toilet tank number which can be found marked inside tank.

NOTE: “XXX” represents color or trim finish options. Specify when ordering.

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>DESCRIPTION</th>
<th>TANK NUMBER</th>
<th>4339.216 Without Liner</th>
<th>4339.516 With Liner</th>
</tr>
</thead>
<tbody>
<tr>
<td>735138-400-XXX</td>
<td>TANK COVER</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>7381092-200.0070A</td>
<td>RECTANGLE PUSH BUTTON</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>7381091-400.0070A</td>
<td>DUAL FLUSH VALVE</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>7381091-401.0070A</td>
<td>DUAL FLUSH VALVE</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>738565-429.0070A</td>
<td>FLUIDMASTER BASE VALVE 12&quot;</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>738657-100.0070A</td>
<td>REFILL TUBE</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>738657-101.0070A</td>
<td>REFILL TUBE</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>7381042-0070A</td>
<td>FLUSH VALVE SILICONE SEAL</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>034783-XXX0A</td>
<td>BOLT COUPLING KIT</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>730512-100.0070A</td>
<td>TANK COUPLING KIT #232</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>
# Troubleshooting Guide

## Problem

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does not flush</td>
<td>a. Water supply valve closed.</td>
<td>a. Open valve and allow water to fill tank.</td>
</tr>
<tr>
<td></td>
<td>b. Supply line blocked.</td>
<td>b. Shut off water supply, disconnect supply line, and inspect all gaskets and washers. Reassemble. Also, see Fluidmaster maintenance (see step 13).</td>
</tr>
<tr>
<td></td>
<td>c. Push button not properly set.</td>
<td>c. Readjust push button rod length as required. Refer to step 12.</td>
</tr>
<tr>
<td></td>
<td>d. Sand or debris lodged in water control.</td>
<td>d. Shut off water supply. Remove cap and clean per Step 13.</td>
</tr>
<tr>
<td>Poor or sluggish flush</td>
<td>a. Bowl water level too low.</td>
<td>a. Check that refill tube is connected to water control and inserted into refill float without being kinked or damaged.</td>
</tr>
<tr>
<td></td>
<td>b. Supply valve partly closed.</td>
<td>b. Open supply valve fully. Be sure that proper supply tube size is used.</td>
</tr>
<tr>
<td></td>
<td>c. Partially clogged trapway and/or drain pipe and/or vent.</td>
<td>c. Remove obstruction. Consult a plumber if necessary.</td>
</tr>
<tr>
<td></td>
<td>d. Supply pressure too low.</td>
<td>d. Normal supply pressure must be at least 20 psi.</td>
</tr>
<tr>
<td>Toilet leaks</td>
<td>a. Poor supply line connection.</td>
<td>a. Review Step 9 of installation procedure.</td>
</tr>
<tr>
<td></td>
<td>b. Poor bowl to tank/floor connection.</td>
<td>b. Review Step 4 through 7 of installation procedure.</td>
</tr>
<tr>
<td>Toilet does not shut off</td>
<td>a. Push button rod is too long, holding flush valve open.</td>
<td>a. Readjust rod as needed. Review step 12.</td>
</tr>
<tr>
<td></td>
<td>b. Flush valve seat and/or seal worn or deformed.</td>
<td>b. Replace seal/flush valve assembly, as needed.</td>
</tr>
<tr>
<td></td>
<td>c. Sand or debris lodged in water control.</td>
<td>c. Shut off water supply. Remove cap and clean per Step 13.</td>
</tr>
</tbody>
</table>

**Guarantee:** This Fluidmaster product is guaranteed to be free from defective materials and workmanship for a period of one year. Units returned to Fluidmaster will be replaced without charge.

Always use quality Fluidmaster repair parts when maintaining your Fluidmaster products. Fluidmaster shall not be responsible or liable for any damages caused by products used with Fluidmaster valves that were not manufactured by Fluidmaster, Inc.

---

**IMPORTANT:** Always clear sand and rust from system.
- Make sure water supply is off.
- Remove valve TOP by lifting arm and rotating top and arm 1/8 turn counterclockwise, pressing down slightly on cap.
- While holding a container over the uncapped VALVE to prevent splashing, turn water supply on and off a few times. Leave water supply off.
- Replace TOP by engaging lugs and rotating 1/8 turn clockwise. MAKE CERTAIN TIP IS TURNED TO THE LOCKED POSITION. VALVE MAY NOT TURN ON IF TOP IS NOT FULLY TURNED TO THE LOCKED POSITION.

**NOTE:** Pictures are representative and may not exactly depict the flush valve.

For troubleshooting information please contact:

**FluidmasterInc**
30800 Rancho Viejo Road
San Juan Capistrano, CA 92675
(949) 728-2000  (800) 631-2011
www.fluidmaster.com

© 2001 Fluidmaster, Inc.  ® Registered trademark of Fluidmaster, Inc.

---

**Troubleshooting**

IF FILL VALVE SHUTS OFF BUT CONTINUES TO LEAK SLOWLY, repeat Step 13.

IF FILL VALVE TURNS OFF AND ON DURING PERIODS OF NON-USE, it is a signal you are wasting water because:
- The end of the refill tube is inserted into overflow pipe, below water level in tank. Attach refill tube to overflow pipe using “S” clip provided.
- The flush valve is leaking because it’s worn, dirty or misaligned with tank ball or flapper (replace with a new flapper).

IF FILL VALVE WON’T TURN ON OR SHUT OFF OR REFILL OF TANK WATER IS SLOW after valve has been in use for some time, Fluidmaster Model 242 Replacement Seal may be needed.

Go to our website at www.fluidmaster.com for more solutions to toilet problems.