

INSTALLATION INSTRUCTIONS CARE AND MAINTENANCE

American Standard

Style That Works Better

FloWise™ DUAL FLUSH 2-PIECE TOILET

Normal Height, Elongated Rim: 2479 / 2476 / 2779

Right Height™ Elongated Rim: 2480 / 2484 / 2778 / 2566

Normal Height, Round Front: 2489



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

Putty Knife

Regular Screwdriver

Adjustable Wrench

Sealant

Tape Measure

Hacksaw

Wax Ring/Gasket

Flexible Supply Tube

Closet Bolts

Carpenter's Level

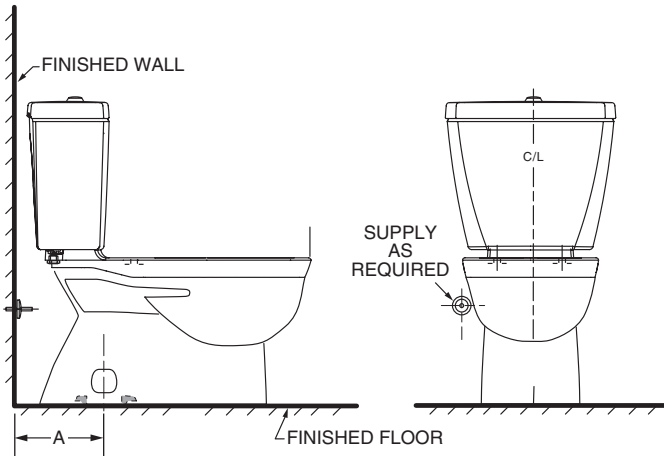
1 REMOVE OLD TOILET

- Close toilet supply valve and flush tank completely. Towel or sponge remaining water from tank and bowl.
- Disconnect and remove supply line.
- Remove old mounting hardware, remove toilet and plug floor waste opening to prevent escaping sewer gases.
- Remove closet bolts from flange and clean away old wax, putty, etc. from base area.

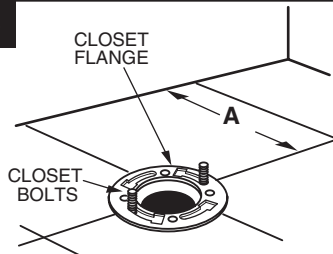
NOTE: Mounting surface must be clean and level **before** new toilet is installed!

2 ROUGHING-IN DIMENSIONS:

MODELS:	DIMENSION A:
2479	12" (305 mm)
2476	
2779	
2480	
2484	
2778	
2566	
2489	



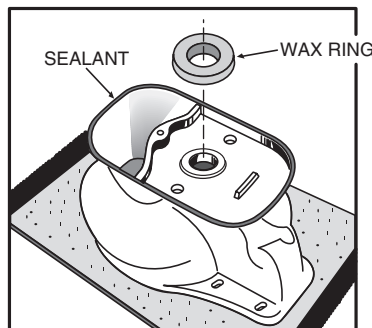
3



INSTALL CLOSET BOLTS

Install closet bolts in flange channel, turn 90°, and slide into place 6" (152mm) apart and parallel to wall. TEMPORARILY set toilet in place. Place tapered washer and nuts onto the bolts as shown in Step 5. Mark bolt length needed for bolt cap clearance. Remove toilet. Precut the bolts to length by twisting the nut onto the bolt past the cut mark, then cutting the bolt to the desired length with a hacksaw. Unscrew the nut to repair the threads. Re-install bolts in flange.

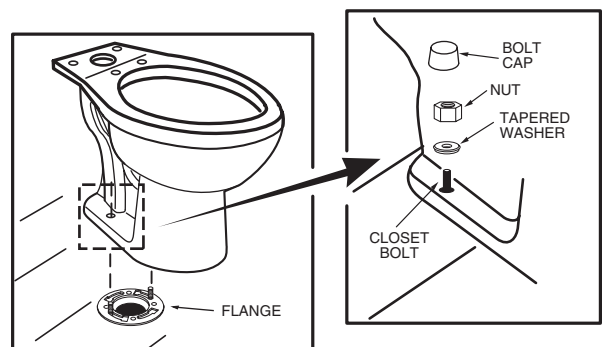
4



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

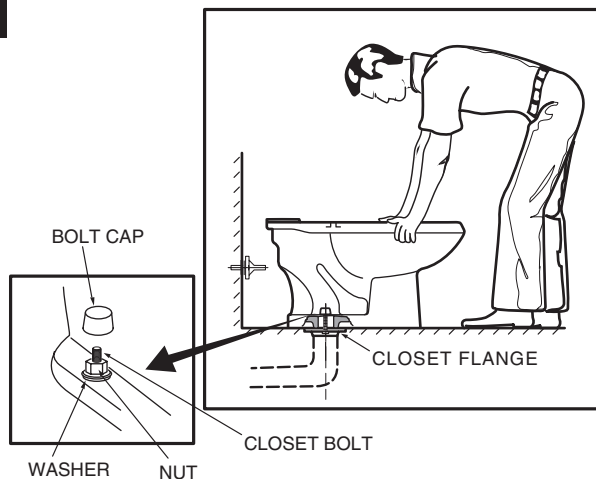


POSITION TOILET ON FLANGE

- Unplug floor waste opening and install toilet on closet flange so bolts project through mounting holes.
- Loosely install retainer washers and nuts. Side of washers marked "THIS SIDE UP" must face up!

SAVE FOR FUTURE USE

6



INSTALL TOILET

- 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.



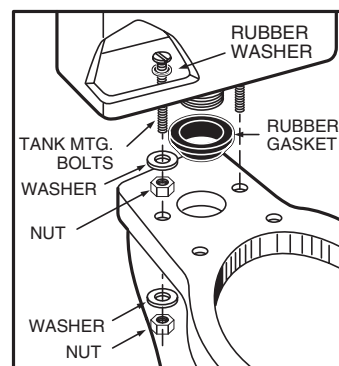
CAUTION:
DO NOT OVERTIGHTEN NUTS

- Install caps on washers.
- Smooth off the bead of sealant around base. Remove excess sealant.

7

Tank Installation Kit Includes:

2 bolts, 2 rubber washers, 4 metal washers, 4 metal nuts, 2 plastic nuts, 1 large rubber gasket.



INSTALL TANK

- Discard plastic nuts.
- Install tank mounting bolts and rubber washers from inside tank, through mounting holes and secure with one metal washer and one nut per bolt.
- 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.
- With tank parallel to wall, secure tank to bowl using remaining two metal washers and nuts. Alternately tighten nuts until tank is snugged down evenly against bowl surface.

*** USE NUT DRIVER OR DEEP SOCKET RACHET.**



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

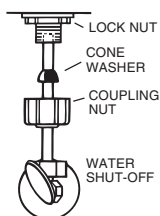
8

INSTALL TOILET SEAT Install toilet seat in accordance with manufacturer's directions.

9a

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. DO NOT use plumber's putty to seal these fittings.

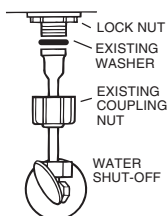
METAL / COPPER FLARED TUBING



These parts must be used as illustrated to insure water-tight connection. Use of existing coupling nut may result in water leakage. Water supply tube or pipe must extend at least 1/2" inside threaded shank of valve (does not apply to flanged tubing).

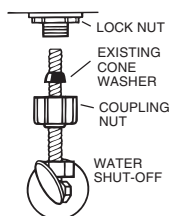
CAUTION: DO NOT USE CONE WASHER WITH PLASTIC SUPPLY LINE.

METAL FLANGED TUBING



Use existing coupling nut and washer.

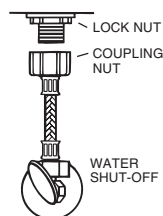
METAL SPIRAL TUBING



Use existing spiral cone washer. Fluidmaster cone washer may not seal completely on spiral type supply line.

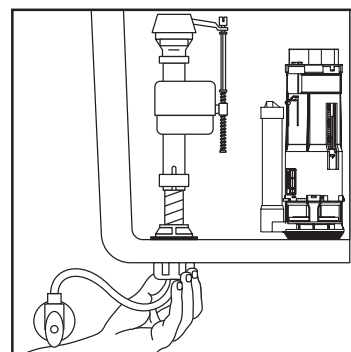
CAUTION: Overtightening of LOCK NUT or COUPLING NUT could result in breakage and potential flooding.

VINYL / BRAIDED CONNECTOR



Captive cone washers already included. No additional washers needed.

9b



With correct washers in place (see Step 9a), tighten **COUPLING NUT** 1/4 turn beyond hand tight.

DO NOT OVERTIGHTEN.



WARNING: 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.

Warranty is void if any type of sealant is used on the water supply connection.

10

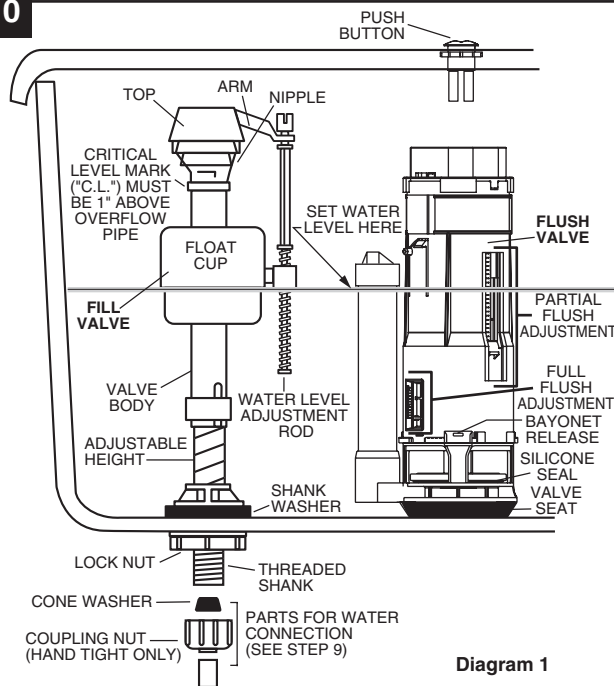


Diagram 1

ADJUSTMENTS

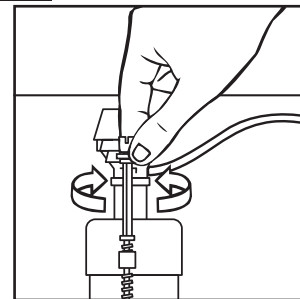
- Adjust water level. Water level should be adjusted to level indicated on tank by adjusting float cup.
See Step 11 for water level adjustment method.
- Make sure Full Flush Adjustment is at the bottom setting (0). A higher setting will result in less water and is not recommended.
- Make sure Partial Flush Adjustment is at the bottom setting (0). A higher setting will result in less water and is not recommended.

NOTE: The Fill Valve does not have a refill tube. The refill port on the Fluidmaster fill valve is 100% blocked off. Please ensure that the correct repair part is used as this fill valve varies from the standard Fluidmaster 400A.

• To remove Flush Valve, apply slight downward pressure and twist it until the flush valve disengages from the bayonet.

• To reinstall Flush Valve, reverse the above procedure making sure the blue (Partial Flush Button) will line up with the Partial Flush Button on the Tank Lid.

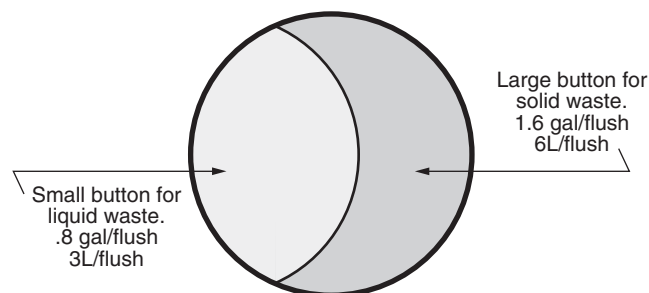
11



Turn on water supply. Submerge the FLOAT CUP under the water for 30 seconds. Adjust the water to desired level by turning WATER LEVEL ADJUSTMENT ROD and moving FLOAT CUP up or down.

12 FLUSH BUTTONS ON TANK

- Pressing both buttons at once will flush the half flush amount .8 gal/flush or 3L/flush.
- The **Partial Flush Button** should line up over the **blue actuator** on the flush tower in the tank.
- The **Full Flush Button** should line up over the **white actuator** on the flush tower in the tank.



13 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.

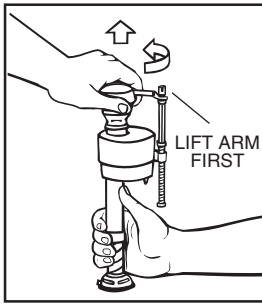
American Standard shall not be responsible or liable for any tank fitting damage caused by the use of cleaners containing chlorine (calcium hypochlorite).

REPAIR PARTS LIST

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

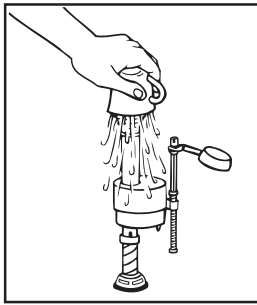
NOTE: "XXX" represents color or trim finish options. Specify when ordering.

PART NO.	DESCRIPTION	TANK NUMBER	
		4035.216	4035.516
735130-400-XXX0A	TANK COVER WITH PUSH BUTTON	✓	✓
738565-426.0070A	FLUIDMASTER 400A VALVE	✓	
738565-427.0070A	FLUIDMASTER 400A VALVE		✓
7301143-0070A	TANK COUPLING KIT #258	✓	✓
7381002-400.0070A	DUAL FLUSH VALVE	✓	
7381002-401.0070A	DUAL FLUSH VALVE		✓
7381003-XXX0A	PUSH BUTTON ASSEMBLY - TOP MOUNT	✓	✓
034783-XXX0A	BOLT CAP KIT	✓	✓
760127-XXX0A	TOILET SEAT (ELONGATED RIM ONLY)	✓	✓
760130-XXX0A	TOILET SEAT - SLOW CLOSE (ELONGATED RIM ONLY)	✓	✓
7381042-0070A	FLUSH VALVE SILICONE SEAL	✓	✓
760134-0200A	HINGE KIT FOR SLOW CLOSE SEAT	✓	✓

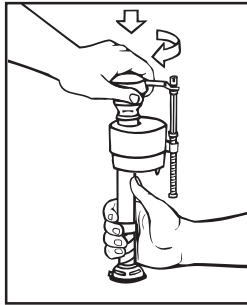


IMPORTANT: Always clear sand and rust from system.

- 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.

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 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.

For troubleshooting information please contact:

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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.

TROUBLESHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Does not flush	a. Water supply valve closed. b. Supply line blocked. c. Sand or debris lodged in water control.	a. Open valve and allow water to fill tank. b. Shut off water supply, disconnect supply line and inspect all gaskets and washers. Reassemble. Also, see Fluidmaster maintenance. (see Step 14) c. Shut off water supply. Remove cap and clean as per Step 14.
Poor or sluggish flush	a. Bowl water level too low. b. Supply valve partly closed. c. Partially clogged trapway and/or drain pipe and/or vent. d. Supply pressure too low.	a. Check that water level is set to correct height in tank, also verify the flush valve adjustments are set as per Step 10. b. Open supply valve fully. Be sure that proper supply tube size is used. c. Remove obstruction. Consult a plumber if necessary. d. Normal supply pressure must be at least 20 psi.
Toilet leaks	a. Poor supply line connection. b. Poor bowl to tank/floor connection.	a. Review Step 9 of installation procedure. b. Review Step 4 through 7 of installation procedure.
Toilet does not shut off	a. Flush valve seat and/or rubber seal worn or deformed. b. Sand or debris lodged in water control.	a. Shut off water supply. Replace flush valve or flush valve silicone seal. b. Shut off water supply. Remove cap and clean per Step 14.