INSTALLATION INSTRUCTIONS CARE AND MAINTENANCE





Models 2383 / 2384 / 2386 / 2447 / 2431

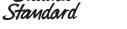
Thank you for selecting American Standard - the benchmark of fine quality for over 100 years. To ensure this product is installed properly, please read these instructions carefully before you begin. (Certain installations may require professional help.) Also be sure your installation conforms to local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

A 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

Adjustable Wrench Flexible Supply Tube	Sealant Closet Bolts	Tape Measure Carpenters Level
TE: <i>If replacing valve, first si</i> the toilet and plug floor waste of ean away old wax, putty, etc.	hut off main water su opening to prevent es from base area.	pply!
erline must be as listed on chart:		
	MODELS 2383.010 2384.010 2386.010	DIMENSION "A" 254mm (10)
	2383.012 2384.012 2386.012 2447.000 2431.010 2431.010	305mm (12) 356mm (14)
	2386.014 2386.014	550mm (14)
5		
NT WAX RING	FLANGE	NUT TAPERED WASHER CLOSET BOLT
n floor (cushion to prevent d install wax ring evenly e flange (horn), with tapered cing toilet. Apply a thin bead b. L	Inplug floor waste opening o bolts project through mo oosely install retainer was	and install toilet on closet flange unting holes. hers and nuts. Side of washers
	Flexible Supply Tube completely. Towel or sponge TE: <i>If replacing valve, first s</i> e toilet and plug floor waster ean away old wax, putty, etc. <i>n and level before new toilet</i> erline must be as listed on chart:	Flexible Supply Tube Closet Bolts completely. Towel or sponge remaining water from the integration of the probability of th

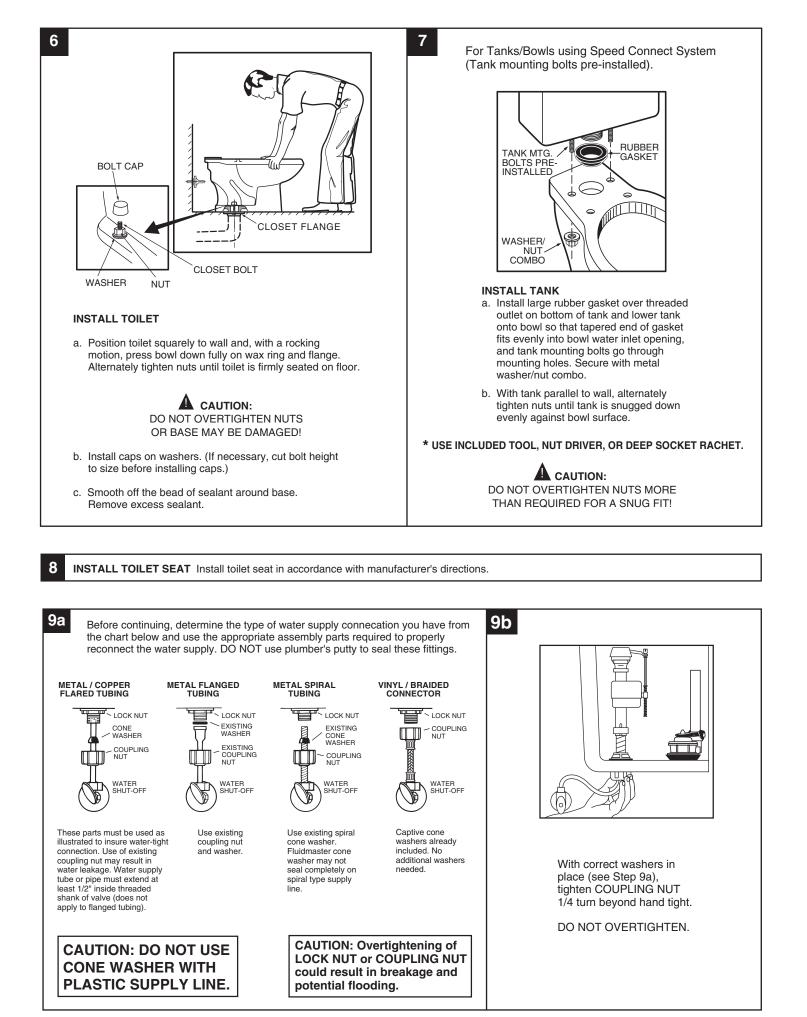
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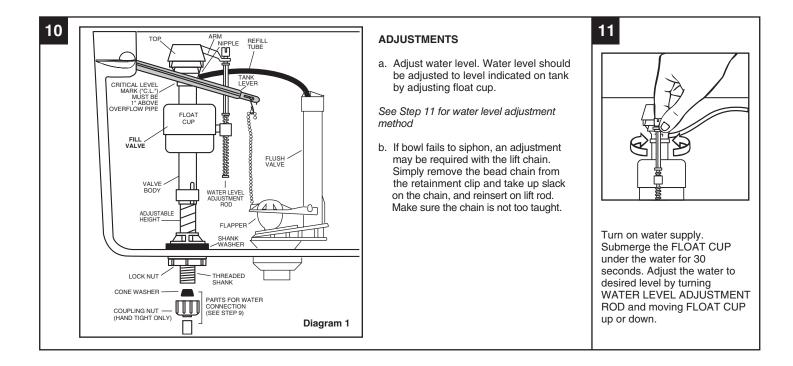




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12 CARE AND CLEANING

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.

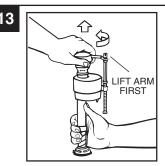
American Standard shall not be responsible or liable for any tank fitting damage caused by the use of cleaners containing chlorine (calcium hypochlorite).

REPAIR PARTS LIST

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

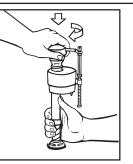
NOTE: "XXX" represents color or trim finish options. Specify when ordering.

			TANK NUMBER		
PART NO.	DESCRIPTION	4019/ 4021.500	4021	4027	
738903-XXX0A	TRIP LEVER - STANDARD LEFT HAND	~	~	~	
034783-XXX0A	BOLT CAP KIT	~	~	~	
738565-423.0070A	FLUIDMASTER 400A VALVE	~	~	~	
738921-100.0070A	FLUSHVALVE ASSEMBLY w/ 3 INCH FLAPPER		~		
738921-101.0070A	FLUSHVALVE ASSEMBLY w/ 3 INCH FLAPPER	~			
738921-102.0070A	FLUSHVALVE ASSEMBLY w/ 3 INCH FLAPPER			~	
738920-0070A	FLAPPER ASSEMBLY - 3 INCH	~	~	~	
730935-0070A	TANK COUPLING KIT #252	~	~	~	
738916-100.0070A	REFILL TUBE - 5 INCH		~	~	
738916-101.0070A	REFILL TUBE - 9 INCH	~			
73512X-400-XXX	TANK COVER	~	~	~	





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 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.

For troubleshooting information please contact:



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

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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.

TROUBLESHOOTING GUIDE			
PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION	
Does not flush	a. Water supply valve closed.	a. Open valve and allow water to fill tank.	
	b. Supply line blocked.	 Shut off water supply, disconnect supply line and inspect all gaskets and washers. Reassemble. Also, see Fluidmaster maintenance. (see Step 13) 	
	c. Flush valve chain too loose or disconnected.	c. Readjust chain length as required.	
	d. Sand or debris lodged in water control.	d. Shut off water supply. Remove cap and clean as per Step 13.	
Poor or sluggish flush	a. Bowl water level too low.	a. Check that refill tube is connected to water control and inserted into tank overflow without being kinked or damaged.	
	b. Supply valve partly closed.	b. Open supply valve fully. Be sure that proper supply tube size is used.	
	c. Partially clogged trapway and/or drain pipe and/or vent.	c. Remove obstruction. Consult a plumber if necessary.	
	d. Supply pressure too low.	d. Normal supply pressure must be at least 20 psi.	
Toilet leaks	a. Poor supply line connection.	a. Review Step 9 of installation procedure.	
	b. Poor bowl to tank/floor connection.	b. Review Step 4 through 7 of installation procedure.	
Toilet does not shut off	a. Flush valve chain too tight, holding flush valve open.	a. Readjust chain length as needed. Review Step 10.	
	b. Flush valve seat and/or flapper worn or deformed.	b. Shut off water supply. Replace flush valve.	
	c. Sand or debris lodged in water control.	c. Shut off water supply. Remove cap and clean per Step 13.	

CADET® 3 FLUSH RIGHT™ TOILET FIVE YEAR LIMITED WARRANTY

For this warranty to become effective, the accompanying warranty registration card and proof of purchase must be completed and returned to the address on the warranty registration card within 30 days of purchase.

If inspection of this American Standard plumbing product, inclusive of china and all mechanical components, within five years after its initial purchase, confirms that it is defective in materials or workmanship, American Standard will repair or, at its option, exchange the product for a similar model.

This warranty **does not apply** to local building code compliance. Since local building codes vary considerably, the purchaser of this product should check with a local building or plumbing contractor to insure local code compliance before installation.

This warranty shall be void if the product has been moved from its initial place of installation; if it has been subjected to faulty maintenance, abuse, misuse, accident or other damage; if it was not installed in accordance with American Standard's instructions; or if it has been modified in a manner inconsistent with the product as shipped by American Standard.

This warranty DOES NOT COVER any damage caused by the use of in-tank cleaners.

American Standard's option to repair or exchange the product under this warranty does not cover any labor or other costs of removal or installation, nor shall American Standard be responsible for any other incidental or consequential damages attributable to a product defect or to the repair or exchange of a defective product, all of which are expressly excluded from this warranty. (Some states or provinces do not allow the exclusion or limitation of implied warranties, so this exclusion may not apply to you.)

This warranty gives you specific legal rights. You may have other statutory rights that vary from state to state or from province to province, in which case this warranty does not affect such statutory rights.

For service under this warranty, it is suggested that a claim be made through the contractor or dealer from or through whom the product was purchased, or that a service request (including a description of the product model and of the defect) be sent to the following address:

In the United States: American Standard Inc., P.O. Box 6820 Piscataway, New Jersey 08855 Attention: Director of Consumer Affairs For residents of the United States, warranty information may also be obtained by calling

For residents of the United States, warranty information may also be obtained by calling the following toll free number: (800) 442-1902 www.americanstandard-us.com In Canada: American-Standard, 2480 Stanfield Rd., Mississauga, Ontario Canada L4Y 1S2 Toll Free: (800) 387-0369 www.americanstandard.ca

In Mexico: Customer Service Manager Ideal Standard, S.A. de C.V. Via Morelos #330 Col. Santa Clara Ecatepec 55540 Edo. Mexico www.americanstandard.com.mx