PART# 4-685, Grev. 5, 11/12

# FLUIDMASTER® 404LGR COMPLETE REPAIR KIT WITH LEAK GUARD TECHNOLOGY **NSTALLATION INSTRUCTIONS**

# WARNING

DO NOT USE IN-TANK DROP-IN TOILET BOWL CLEANERS CONTAINING BLEACH OR CHLORINE. Use o such products will: (1) RESULT IN DAMAGE to tank components and MAY CAUSE FLOODING and PROPERTY

DAMAGE and (2) VOID FLUIDMASTER WARRANTY. Fluidmaster Flush 'n Sparkle Toilet Bowl Cleaning System is recommended for those choosing to use in-tank bowl cleaners and WILL NOT VOID the FLUIDMASTER WARRANTY because it will not damage the components. DO NOT overtighten nuts or tank/bowl may crack. Always use quality Fluidmaster parts when installing or repairing. Fluidmaster will not be

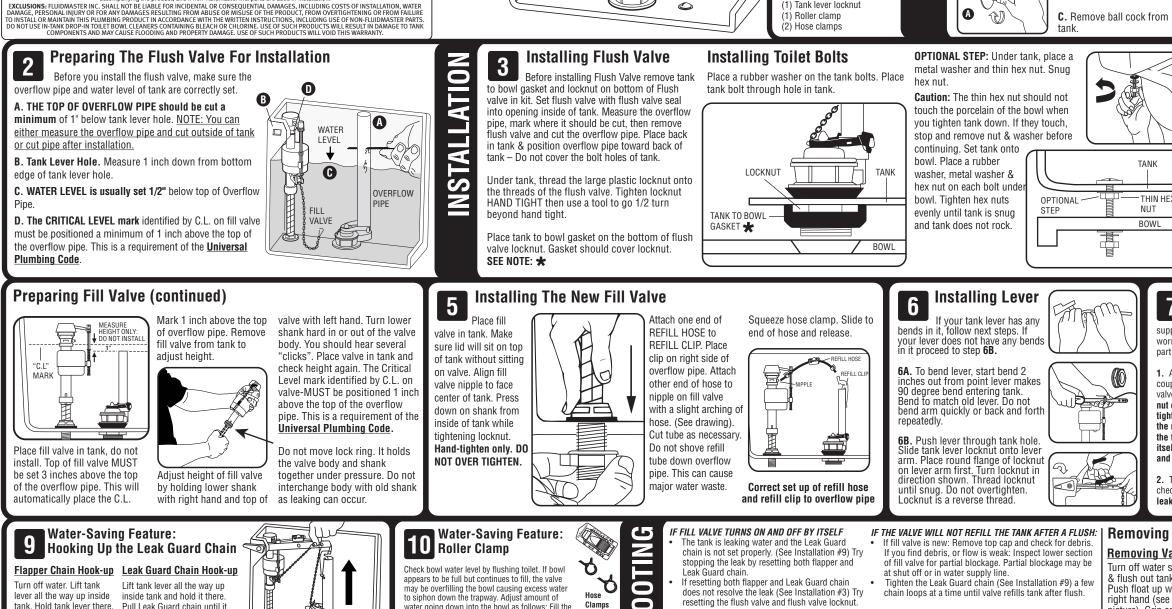
# responsible or liable for use of non-Fluidmaster parts during installation or repair. LIMITED FIVE-YEAR EXPRESS WARRANTY

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Subject to the "Exclusions" set forth below, Fluidmaster Inc. promises to the consumer to repair, on the option of Fluidmaster Inc. to replace any part
of this plumbing product which proves to be defective in workmanship or materials under normal use for five years from the date of purchase. All costs
of removal, transportation and reinstallation to obtain warranty service shall be paid by the consumer. During this "Limited Five Year Express Warranty,"
Fluidmaster Inc. will provide, subject to the "Exclusions" section set forth below, all replacement parts fixe of charge, necessary to correct such defects.
This "Limited Five Year Warranty" is null and void if this plumbing product has not been installed and maintained in accordance with all written instructions
accompanying the product, and if non-Huidmaster Inc., parts are used in installation.
EXCUSIONS: FLUIDMASTER INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, ENSONAL INJURY OR FOR ANYD AMAGES PROJUCT IN ACCORDANCE WITH THE WRITTEN INSTRUCTIONS, INCLUDING COSTS OF INSTALLATION, WATER
DAMAGE, PESSONAL INJURY OR FOR ANY DAMAGES PRODUCT IN ACCORDANCE WITH THE WRITTEN INSTRUCTIONS, INCLUDING USE OF NON-FLUIDMASTER PARTS.
DO NOTUSE IN-TANK DROP-IN TOILET BOWL CLEANERS CONTAINING BLAECH OR CHLORINE. USE OF SUCH PRODUCTS WILL RESULT IN DAMAGE TO TANK
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**DO NOT USE** 

cause drop-in cleaners used in the tank can sult in damaged tank parts (see WARNING

result in dariaged lank parts (see WARNING above), Fluidmeter recomments the use of above), Fluidmeter recomments the use of those states and the set of those states and the set of the bow without harming tank parts by isolating the cleaner from the tank water, releasing it only to the bow where it is needed. Cartridges supply more than 1,000 flushes and are a snap to replace.



TANK I FVFR

FLOAT

CUP

**FI APPER** 

EAK GUARD

– SHANK

0

FILL

HI VALVE

ROLLER CLAMP

**REFILL TUBE** 

HOSE CLAMP

**OVFRFIOW** 

TANK SHOULD

LOOK LIKE THIS

WHEN SET UP IS

COMPLETE

PIPE

FLUSH

VALVE

REFILL CLIP

# IF Water level in howl is too low

- Make sure the refill hose is supplying water down the overflow pipe. Water level in tank may be too low. Raise water level to 1/2
- below top of overflow pipe. Flapper may be closing too soon. Give flapper chain approximately 1/2 " of slack. Adjust flapper to higher

settina If your toilet is 3.5 gallons per flush or larger, the flapped in this kit may not be the correct flapper. Pick up the Universal Long Life flapper #501 or Sure Fit all rubber flapper #504 by Fluidmaster

& flush out tank. be helpful with older valves. Let cap

tank. Hold tank lever there. Pull Leak Guard chain until it Pull flapper chain tight so the flapper is lifted as high as it can go and attach chain to hole in chain to the tank lever. lever directly above flapper

straight. Make sure flapper is closed same hole. on seat. If not, you may need to lengthen the flapper chain by a link or two to allow flapper to close and

seal tank.



lifts the float cup all the way up the fill valve shaft. Then connect chain & clip with no slack in

Make sure flapper chain is **NOTE:** Do not cross Leak Guard chain and flapper chain. If lever has only one hole, then attach to



Simulate a leak by slightly lifting flapper chain to allow 3 or 4 inches o water to slowly drain from tank. Fill valve should not turn on, but remai locked and stav off

If test fails go to Troubleshooting section. Make sure chain is free not tangled or caught

to siphon down the trapway. Adjust amount of water going down into the bowl as follows: Fill the bowl with a gallon of water. Wait 1 minute until the bowl water level recedes down and stops. With a pencil, draw a line at the top of the water level in bowl. Now flush the toilet. If the valve is still filling and the water is up to the line in the bowl, then the amount of water going into the bowl is too high and needs to be adjusted. Adjust the refill by turning the roller clamp with thumb to the next lower number. Flush the toilet: adjust until water level in bowl is at the pencil mark when the fill valve shuts off. If valve shuts off and bowl is not full adjust by turning the roller clamp to a higher number. Repeat until water in bowl is up to line. "O" on roller clamp equals no refill to bowl

resetting the flush valve and flush valve locknut. 0 IF FILL VALVE WILL NOT TURN OFF Dirt may have gotten into the fill valve when  $\boldsymbol{\mathcal{O}}$ 

 $\mathbf{m}$ 

**C** 

#### you turned on the water. (See step "Removing The Valve Cap Assembly, Flushing Out Debris & Replacing Seal" in the Troubleshooting box)

TOOLS

NEEDED

(1) Refill hose

(1) Locknut

(1) Refill clip

(2) Brass bolts

(1) Tank lever

(6) Rubber washers

(1) Tank lever locknut

(1) Shank washer

Bucket

PARTS

IN THIS KIT:

(1) Fill valve with Leak Guard

(1) Flush valve with flapper

(1) Large flush valve locknut

(4) Stainless steel hex nuts

(two thick & two thin)

(4) Stainless steel washers

(1) Flush valve washer

(1) Tank to bowl gasket

Scissors

PARATION

m

Channel

Locks

C

B

P

Adjustable

Hack Saw

1

and C.

Sponge

A. Turn off water supply

**B.** Remove water supply

lock nut from under tank.

coupling nut and inspect line.

If worn - replace it. Remove

and sponge dry.

(Clockwise). Flush out tank

# IF FILL VALVE WILL NOT TURN ON

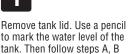
- Pull Leak Guard chain, then release to unlock float cup, so tank will fill. (See step 9)
- If fill valve has been in use for some time, and float cup does not drop when flushing the tank: Replace seal with genuine Fluidmaster 242 replacement seal.

Turn off water supply Push float up with right hand (see picture). Grip and hold shaft under floa with right hand. With left hand, twist cap and lever counter clockwise 1/8th of a turn to unlock the top cap. Pressing down on top may

float cup.

• Fluidmaster. 30800 Rancho Viejo Road, San Juan Capistrano, CA 92675 www.Fluidmaster.com • 800-631-2011

Contact Fluidmaster for troubleshooting help or Ask Bob on www.fluidmaster.com M-F 7:30 am - 4:30 pm PST.

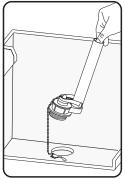




This is a reverse threaded nut. Unhook flapper chain from tank lever. Remove tank lever by loosening locknut inside tank. Turn nut in direction shown. Slide nut off lever arm. Pull lever from tank



Unbolt tank from bowl Lift tank off of bowl. Lay tank on its side on a safe secure surface Remove washers, nuts and bolts. NOTE: If you have a three bolt tank. save bolt, washer and nut that is in the best condition for use later. Clean bolt & nut with wire brush and WD-40.



Remove tank to bowl gasket from under tank Loosen and remove flush valve lock nut. Lift flush valve up out of tank

Washer

Threaded

Shank

# For 3 Bolt Toilets

This kit contains two extra rubber washers for toilets that have 3 bolts. If you need a 3rd bolt, washer & nut, reuse one of your existing bolt set along with the new rubber washers supplied.

**\* NOTE:** If you have a Gerber or Kohler 2 piece toilet, we recommend you use a different Tank To Bowl Gasket. For Gerber use an extra thick Gerber gasket. (not included in this kit). For Kohler use a Triangular Kohler

#### **Preparing Fill Valve** 4 **Assembly Parts** Place Shank A) Refill Clip washer onto B) Refill Hose threaded C) Shank Washer shank of fill D) Locknut B, G E) Threaded Shank valve. Flat F) Roller Clamp side up. G) Hose Clamps A Ø Shank

D

gasket. (not included in this kit)

# Water Supply Line

Inspect water worn or over 5 years old, as toilet to check. part is under pressure.

1. Attach the Supply line coupling nut to the fill valve. Turn the coupling nut clockwise by hand until tight. Do not over tighten the nut as it could damage the fill valve or coupling nut itself. resulting in flooding and property damage.

2. Turn on water supply and check for leaks. If you find leaking at bottom of tank,



### Adjusting Water Level ŏ IMPORTANT:

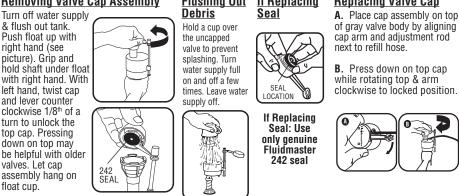
Pull Leak Guard chain, then release to unlock float cup, so tank will fill. With water supply on, submerge the float cup under the water for 30 seconds. Set the float cup to desired level, by turning the water level adjustment screw. When adjusting float cup, flush the tank first. Then make adjustment while tank is filling. Turn screw clockwise to raise water level or counter clockwise to lower wate

level. Set water to the pencil mark you made in tank.Valve will shut off at setting

HINT: When you twist adjustment screw 8 times - float moves 1/2".



# IF THE VALVE WILL NOT REFILL THE TANK AFTER A FLUSH: | Removing The Valve Cap Assembly, Flushing Out Debris & Replacing Seal Removing Valve Cap Assembly Flushing Out If Replacing Replacing Valve Cap



turn nut just enough to supply line. Replace it if it is stop leaking. Then flush

