FLUIDMASTER® 400ARHRFCS PREMIUM KIT NSTALLATION INSTRUCTIONS

WARNING

DO NOT USE IN-TANK DROP-IN TOILET BOWL CLEANERS CONTAINING BLEACH OR CHLORINE. Use of such products will: (1) RESULT IN DAMAGE to tank cor 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 durina installation or repair.

Attach chain clip to tank lever directly above flapper. Leave 1/2" of slack in chain.

HORIZONTA

POST

Once fill valve is installed, ensure overflow pipe and water

1. THE TOP OF OVERFLOW PIPE (A) must be minimum of 1" below

LIMITED FIVE-YEAR EXPRESS WARRANTY

LIMITED FIVE-YEAR EXPRESS WARRANTY
Subject to the "Exclusions" set forth below, Huidmaster Inc, promises to the consumer to repair, or at 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 free 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
writem instructions accompanying the product, and if non-Fluidmaster Inc., parts are used in installation.
EXCLUSIONS: FLUIDMASTER INC. SHALL NOT BE LIABLE FOR INCIDENTIAL OR CONSEQUENTIAL DAMAGES, INCLUDING COSTS OF INSTALLATION, WATER
DAMAGE, PRESUDINASTER INC. SHALL NOT BE LIABLE FOR INCIDENTIAL OR CONSEQUENTIAL DAMAGES, INCLUDING COSTS OF INSTALLATION, WATER
TO INSTALL OR MAINTAIN THIS PLUMBING PRODUCT IN ACCORDANCE WITH THE WRITTEN INSTRUCTIONS, INCLUDING USE OF NON-FLUIDMASTER
PARTS. DO NOT USE IN-TANK DROP-IN TOLIET BOWL CLEARNESS CONTAINING BLEACH OR CHLORINE. USE OF SUCH PRODUCTS WILL SOUCH PRODUCT IN WARRADES
TO TANK COMPONENTS AND MAY CAUSE FLOODING AND PROPERTY DAMAGE. USE OF SUCH PRODUCTS WILL VOID THIS WARRANTY.

Preparing the Fill Valve for Installation 2 Fill Valve Assembly Parts A) Refill Clip Place shank T, B) Refill Tube washer onto C) Shank Washer threaded LOCK Ë D) Locknut shank of fill E) Threaded Shank valve. Flat F) Roller Clamp side up. G) Hose Clamps A Shank Washer Threaded Shank

CHAIN

CLIP

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DO NOT USE

PUT

Position fill valve in tank, but do not fully install yet. Top of fill valve MUST be set 3" above overflow pipe. This will automatically place CRITICAL LEVEL MARK / C.L. Mark, 1" above the top of overflow pipe. Remove fill valve from tank to adjust height

SHANK

WASHE

CLICK SEAL®

CONNECTOR

ΤΔΝΚ

LEVER

_ FLOAT

CUP

ROLLER CLAMP

, REFILL TUBE

HOSE CLAMP

- REFILL CLIP

Adjust height of fill valve by holding lower shank with right hand and top of valve with left hand. Twist the lower shank counter clockwise to increase valve height and clockwise to decrease valve height. You should hear several "clicks". Place valve in tank and check height again. **THE CRITICAL LEVEL MARK**, identified by C.L. on valve, MUST be positioned 1" above top of overflow pipe. This is a requirement of the **Universal** Plumbing Code.

Do not move lock ring. It holds the valve body and shank together under pressure. Do not interchange body with old shank as leaking can occur.



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Installing New Fill Valve 3

TOOLS

NEEDED

Scissors

(1) PerforMAX[™] Fill Valve

(1) Shank Washer

Snonge

PARTS

IN THIS KIT:

Place fill valve in tank. Make sure lid will sit on top of tank without touching valve. Align fill valve nipple to face center of tank. Press down on shank from inside tank while tightening locknut

EPARATION

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Hand-tighten only. DO NOT OVER TIGHTEN. Over tightening may crack the fill valve or tank causing flooding. Make sure the float cup does not touch the tank walls or tank lever and flush valve

Attach one end of refill tube to refill clip. Place clip on right side of overflow pipe. Attach other end of tube to nipple on fill valve with a slight arch (See drawing to the right). Cut tube as necessary.

WARNING: Do not shove refill tube down overflow pipe. This may cause significant water waste.

Squeeze hose clamp. Slide to end of hose and release.

Installing New PerforMAX[™] High Performance Flapper Attach Universal Click Seal[®] Water Supply Connector Adjusting Tank Water Level 6 5 7 Put flapper on seat and push down on flapper clips at the horizontal posts of overflow pipe. **A.** Select proper adapter by threading on each adapter to the shutoff valve to find With water turned on, set float cup to Check bowl water level by flushing toilet. If bowl the one that fits. No adapter is needed if your shutoff valve is 1/2" F.I.P. desired level, by turning water level adjustment appears to be full but continues to fill, valve may be overfilling D screw. When adjusting float cup, flush tank first. bowl causing excess water to siphon down trapway. Adjust B. Thread the adapter into the metal nut of the Click Seal® Connector. Turn the rubber portion left or right to select the best flush for your toilet. The higher the number set FILL VALVE amount of water going down into the bowl as follows: Fill the Then make adjustment while tank is filling. in front of the chain connection – the longer the flapper will stay open. Turn clockwise for greater C. Thread the metal nut onto the shutoff valve and tighten 1/2 turn beyond hand-tight. INI FT bowl with a gallon of water. Wait 1 minute until the bowl water To adjust tank water, turn adjustment screw flush volume. Turn counterclockwise for lower flush volume. The less time your flapper stays open, **D.** Prior to threading plastic nut onto fill valve shank, turn Click Seal nut counter-clockwise level recedes down and stops. With a pencil, draw a line at clockwise to raise water level or counter clockwise until threads align. Gently turn Click Seal nut clockwise and hand-tighten until nut clicks. The the top of the water level in bowl. Now flush the toilet. If the to lower water level. Once adjusted, flush toilet and click lets you know it's sealed®. valve is still filling and the water is up to the line in the bowl check new level. Repeat if necessary. then the amount of water going into the bowl is too high and E. Slowly turn on water at the shutoff valve. +HINT: When you twist needs to be adjusted. Adjust the refill by turning the roller F. Carefully check for leaks at shutoff valve. If leak appears, tighten C adjustment screw 8 times HUTOFF 3 5+ GI B ATIZ clamp with thumb to the next lower number. Flush the toilet; À nut just enough to provide a leak-free joint. DO NOT OVERTIGHTEN. ALVE float moves 1/2". 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 Ε in bowl is up to line. "O" on roller clamp equals no refill to bowl



Removing Valve Cap Assembly, Flushing Out Debris, Replacing Seal, & Replacing Valve Cap Assembly

Removing Valve Cap Assembly Turn off water supply & flush out tank. Push float up with right hand (see picture). Grip and hold shaft under float 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 be helpful with older valves. Let cap assembly hang on float cup.



Universal Plumbing Code. Code Compliance helps protect your home

overflow pipe. This is a requirement of the

Code Compliance

2. WATER LEVEL (C) is set below top of

3. THE CRITICAL LEVEL MARK / C.L.

must be positioned 1" above top of

Mark (D) identified by C.L. on fill valve

Overflow Pipe (Fluidmaster recommends

the more water it saves.

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1/2").

FLAPPER CLIPS

level of tank are correctly set.

TANK LEVER HOLE (B).

& drinking water supply.

Please keep a copy of these instructions on the property in which the product was installed.

OVERFLOW

Remove top cap and check for debris. If you find debris, or flow is weak: Inspect lower section of fill valve for partial blockage. Partial blockage may be at shut off valve or in water supply line (See "REMOVING THE VALVE CAP ASSEMBLY & FLUSHING OUT DEBRIS") If fill valve has been in use for some time and/or float cup does not drop when flushing tank, replace seal with a genuine Fluidmaster 242 seal (See "IF REPLACING SEAL").

IF FILL VALVE DOES NOT TURN ON, WILL NOT TURN OFF,

OR WILL NOT REFILL THE TANK AFTER THE FLUSH

Gold - 3/8" Comp. Bronze - 7/16" Comp. Silver - 1/2" Comp

IF FILL VALVE TURNS ON AND OFF BY ITSELF

This indicates the tank is losing water. The fill valve is refilling lost water. Clean flapper and drain seat. If leak continues change flush valve. Install Fluidmaster 507AKR. 540AKR or 555C kit.

⁻ WATER LEVEL IN BOWL IS TOO LOW

Make sure the refill tube is supplying water down overflow pipe. Water level in tank may be too low. Raise water level to 1/2" below top of overflow pipe (See "ADJUSTING TANK WATER LEVEL"). You may have to lengthen the fill valve in order to increase the water level in tank (See "PREPARING THE FILL VALVE FOR INSTAL ATION"

Flapper may be closing too soon. Give flapper chain approximately 1/2" of slack (See "INSTALLING NEW PERFORMAX™ HIGH PERFORMANCE FLAPPER")

🔁 Fluidmaster.

30800 Bancho Vieio Road, San Juan Capistrano, CA 92675 www.Fluidmaster.com • 800-631-2011 Contact Fluidmaster for troubleshooting help or visit www.fluidmaster.com M-F 5:30 am - 5:00 pm PST.



Correct set up of refill tube and refill clip to overflow pipe







Water-Saving Feature: Roller Clamp

Ю Hose O Clamps

Flushing Out Debris Hold cup upside down over uncapped valve to prevent splashing. Turn water supply on and off a few times. Turn water supply off when putting cap back on valve.







If Replacing Seal: Use only a genuine Fluidmaster 242 seal. **Replacing Valve Cap** A. Place cap assembly on top of gray valve body by aligning cap arm and adjustment rod next to refill tube. **B.** Press down on top cap while rotating top & arm clockwise to locked position.

