Check bowl water level by flushing toilet. If bowl

DO NOT USE

WARNING

DO NOT USE IN TANK DROP IN TOILET BOWL CLEANERS CONTAINING BLEACH OR CHLORINE. Such cleaners are not appropriate and may cause flooding and/or property damage. Do not use in-tank drop-in toilet bowl cleaning systems. These cleaning systems are not recommended for in-tank cleaning. Use a Fluidmaster 242 seal (See "IF REPLACING SEAL"). Also, do not use in-tank drop-in toilet bowl cleaners containing bleach or chlorine. This may cause significant water waste.

LIMITED SEVEN-YEAR EXPRESS WARRANTY

Fluidmaster will provide, subject to the "EXCLUSIONS" section set forth below, all replacement parts free of charge, necessary to correct defects in manufacturing or materials during installation or repair. Fluidmaster will not be responsible or liable for use of non-Fluidmaster parts choosing to use in-tank bowl cleaners and DEBRIS). If you find defects, or flow is weak, inspect lower section of fill valve for partial blockage. Partial blockages may be at shut off valve or in water supply line. (See "REMOVING THE VALVE CAP ASSEMBLY & FLUSHING OUT DEBRIS"). If Fill Valve does not turn on, will not turn off, or will not refill the tank after the flush

IF 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 also need to lengthen the fill valve in order to increase the water level in tank (See: "PREPARING THE FILL VALVE FOR INSTALLATION").

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. It may also be due to replace the fill valve with a genuine Fluidmaster 242 seal (See: "IF REPLACING SEAL").

Preparatory

1 Remove Old Fill Valve

a. Turn off water supply (Clockwise) to fill valve and return water from tank with sponge.

b. Remove water supply coupling nut.

c. Remove fill valve from tank.

d. Place valve in tank and check height again. To adjust height of fill valve by holding lever with right hand and top of valve with left hand. Hold lever 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 tank ring. It holds the valve body and shank together under pressure. Do not interfere with old shank as it can hinder the adjustment.

2 Preparing the Fill Valve for Installation

Fill Valve Assembly Parts

(1) Performax™ Fill Valve

(2) Shank Washer

(3) Locknut

(4) Threaded Shank

(5) Roller Clamp

(6) Hose Clamps

F) Roller Clamp

E) Threaded Shank

C) Shank Washer

A) Refill Clip

Remove fill valve from tank. Position fill valve in tank, but do not fully install yet. Top of fill valve MUST be set "1" above overflow pipe. This will automatically stop at CRITICAL LEVEL MARK (C.L. Mark) "1" above the top of overflow pipe. Remove fill valve from tank to adjust height. Adjust height of fill valve by holding lever with right hand and top of valve with left hand. Twist the lever 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.

3 Installing New Fill™

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

4 Attach Water Supply Connector

Inspect water supply connector. Replace it if worn or over 5 years old to prevent flooding and properly damage Fluidmaster Click Seal® connector is recommended: A perfect seal to stop leaking. Then flush toilet to check.

5 Adjusting Tank Water Level

With water turned on, set float cup to desired level, by turning water level adjustment screw. When adjusting float cup, flush tank first. Then make adjustment while tank is filling. To adjust water level, turn adjustment rod clockwise to raise water level or counter clockwise to lower water level. Once selected, flush toilet and check new level. Repeat if necessary.

6 Water-Saving Feature: Roller Clamp

Check bowl water level by flushing toilet. If bowl appears to be full but continues to fill, you may be overfilling bowl causing excess water to spigdon down trapway. Adjust amount of water going down the bowl as follows: Fill the bowl with a gallon of water. Wait 1 minute and the water level recedes down and stops. With a pencil, draw a line at the top of the water level in bowl. Never 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 new level. Flush valve. The roller: 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 higher a number. Repeat until water in bowl is up to line. "C.L." on roller clamp equals no refill to bowl.

Troubleshooting

1. THE TOP OF OVERFLOW PIPE (A) must be minimum of 1" below TANK LEVER HOLE (B). (See drawing to the right). Cut tube as necessary.

2. THE CRITICAL LEVEL MARK (C.L. Mark) identified by C.L. on fill valve must be positioned "1" above top of overflow pipe. This is a requirement of the Universal Plumbing Code.

3. Code Compliance

Once fill valve is installed, ensure overflow pipe and water level of tank are correctly set.

Parts in this kit:

(1) Perfromax™ Fill Valve

(2) Shank Washer

(3) Locknut

(4) Refill Tube

(5) Refill Clip

(6) Roller Clamp

(7) Hose Clamps

Note: To use the patent pending DUO Flush™ system you must be using Fluidmaster’s 242 seal.

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Fluidmaster Flush ‘n Sparkle Toilet Bowl Cleaning System is recommended for those

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. It may also be due to replace the fill valve with a genuine Fluidmaster 242 seal (See: "IF REPLACING SEAL").

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 also need to lengthen the fill valve in order to increase the water level in tank (See: "PREPARING THE FILL VALVE FOR INSTALLATION").

Flipper may be closing too soon. Give flipper channel approximately 1/2" of slack.

Removing Valve Cap Assembly

Turn off water supply & Fill Valve. Press down on uncapped valve to prevent spigdon. Turn valve clockwise on and off a few times. Turn water supply off when putting cap back on valve.

If Replacing Seal:

Replace only a genuine Fluidmaster 242 seal.

Replacing Valve Cap

Place assembly of nut of gray valve body by aligning cap arm and adjustment ring nut to refill the tank. Press down on top cap valve rotating top & arm clockwise to locked position.

Replacing Valve Cap Assembly

Tighten fill valve in tank and check height again. Place cap assembly hang on float cup.

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

IF 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 also need to lengthen the fill valve in order to increase the water level in tank (See: "PREPARING THE FILL VALVE FOR INSTALLATION").

Flapper may be closing too soon. Give flipper channel approximately 1/2" of slack.

Removing Valve Cap Assembly

Turn off water supply & Fill Valve. Push float up with right hand and hand shaft under float with right hand. Twist cap and inner core clockwise 1/8th of a turn to unlock the top cap. Press down on top cap on top of the tank with left hand. Let cap assembly hang on float cup.

If Replacing Seal:

Use only a genuine Fluidmaster 242 seal.