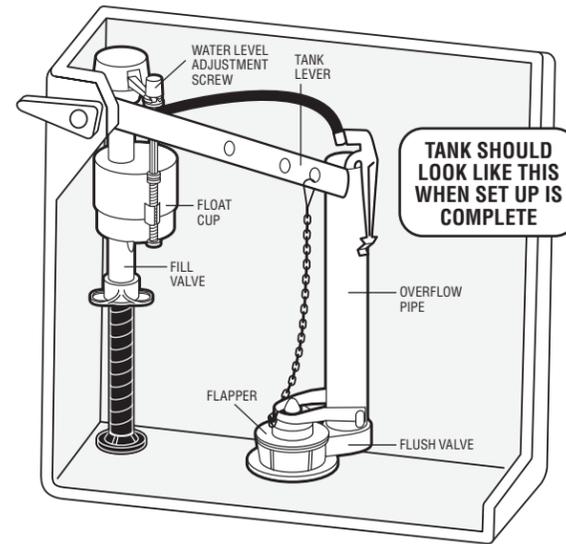


FLUIDMASTER® 507AKR FLUSH VALVE AND HARDWARE INSTALLATION INSTRUCTIONS

TOOLS NEEDED

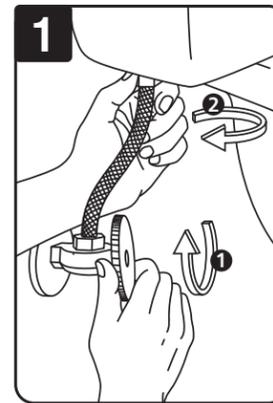


DO NOT USE

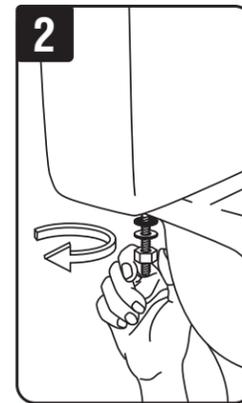


WARNING
DO NOT USE IN-TANK DROP-IN TOILET BOWL CLEANERS CONTAINING BLEACH OR CHLORINE. Use of such products will: (1) **RESULT IN DAMAGE** to tank components and **MAY CAUSE FLOODING** and **PROPERTY DAMAGE** and (2) **VOID FLUIDMASTER WARRANTY.** Fluidmaster Flush 'n Sparkle Toilet Bowl Cleaning System 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.

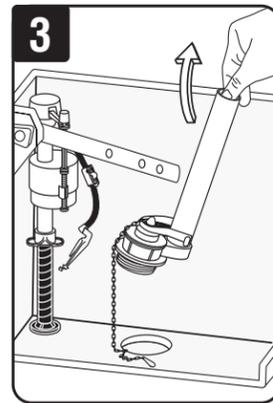
PREPARATION



Turn off water supply (1). Flush toilet and remove excess water from tank with sponge. (2) Place bucket or towel under water supply line and remove nut of water supply line from bottom of toilet fill valve.

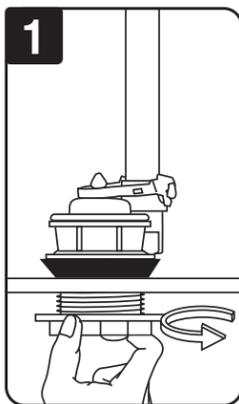


Unbolt tank from bowl, then lift tank and set on a stable, soft surface. Remove any remaining rubber washer, hex nut and bolts.

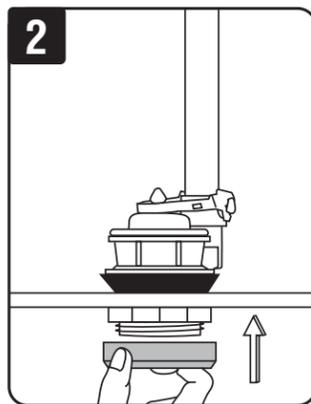


Remove tank-to-bowl gasket and large nut from old flush valve. Then remove flush valve from tank.

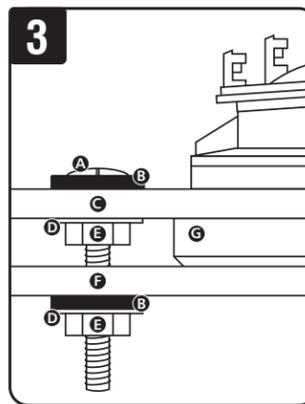
INSTALLATION



Place flush valve in tank. Position the overflow pipe toward the back of the tank. Do not cover bolt holes. Hand tighten flush valve lock nut. **DO NOT OVERTIGHTEN** or tank may crack.



Slide new tank to bowl gasket over nut with narrow side facing down. Gasket should cover the nut completely.



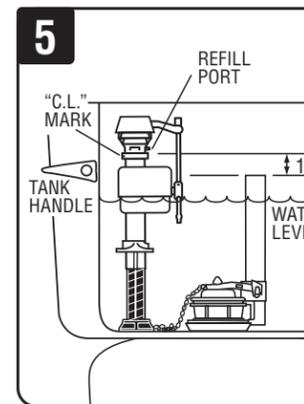
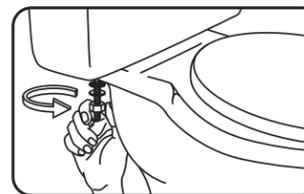
Correct order of bolts, washers and nuts:

- A) Bolt Head
- B) Rubber Washer
- C) Toilet Tank
- D) Metal Washer
- E) Metal Hex Nut
- F) Toilet Bowl
- G) Tank to Bowl Gasket

NOTE: Place metal washers and hex nuts onto brass bolts before installing tank on bowl.



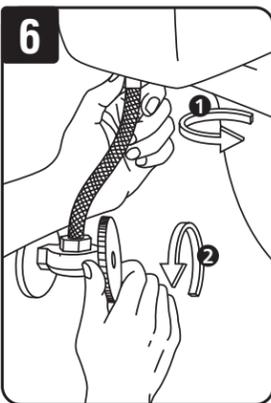
Before replacing the tank on the bowl, place metal washer and hex nut onto bolt under tank and hand tighten hex nut. Then place tank back on the bowl gasket so that tank to bowl gasket fits evenly. Level tank. Under the bowl attach rubber washer, metal washer and metal hex nut. Tighten the hex nuts under the bowl evenly until the tank is stable and doesn't rock. **DO NOT OVERTIGHTEN** or the tank or bowl could break.



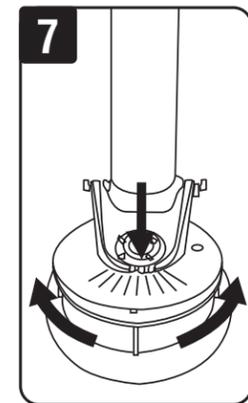
When installed the top of the overflow pipe of the flush valve must be at least 3" below the top of the fill valve.

CAUTION: Overflow pipe must be below the tank lever opening (to prevent flooding).

Connect flapper chain. Allow for 1/2" of slack when flapper is in the closed position.



Reconnect water supply line to bottom of fill valve (1). Turn on water supply and check for any leaking. If leaking, turn nut just enough to stop leaking. Then flush toilet to check.



The higher the setting the longer the flush. To adjust flapper, rotate left or right to get desired flush. Factory setting is at maximum.

TROUBLESHOOTING

MY FLAPPER CLOSSES QUICKLY AND I DON'T GET A COMPLETE FLUSH

- Check the flapper chain. If it looks loose; tighten it, by one or two links. If it looks straight loosen it a bit and try flush again. Chain should have 1/2" of slack.
- Adjust the flapper setting to a high number (see Step 7).

MY FLAPPER STAYS OPEN TOO LONG AND I GET A DOUBLE FLUSH

- Adjust the flapper setting to a lower number (see Step 7).

I GET WATER BETWEEN TANK AND BOWL WHEN I FLUSH

- Make sure the tank cannot be rocked. If it can, you will need to tighten the hex nuts under the bowl.
- Check the tank to bowl gasket for proper fitting.

MY FILL VALVE TURNS ON AND OFF EVERY SO OFTEN

- This means the flush valve is leaking water to the bowl. Check three things:
 - 1) The refill hose is too far down in the overflow pipe. Keep it above the water level of the tank.
 - 2) The flapper is not seating completely. Check flapper and seat for debris on surface. If flapper is not completely flat, turn upside down and submerge it in a bowl of hot tap water for 5 minutes, then re-install.
 - 3) The lock nut between tank and bowl may not be tight enough. Turn lock nut a quarter turn to seal flush valve in tank.

Contact Fluidmaster for troubleshooting help or Ask Bob on www.fluidmaster.com

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DO NOT PRINT!**