HOW TO REPAIR A TOILET OR INSTALL A NEW ONE

ALWAYS USE CAUTION WHILE WORKING ON OR AROUND A WATER CLOSET
	WITH WRENCHES OR OTHER HEAVY TOOLS!

TO REPAIR

IF...
Tank fills above overflow tube — water continues to run through refill tube after the tank is filled to its normal level — water runs or sprays out the top of the ballcock —
CHECK ...
Float for proper buoyancy — bend float rod for proper adjustment — BUT if the condition appeared suddenly, the ballcock has probably failed.
REPAIR ...
Some ballcocks are repairable if proper parts can be located but these repairs often prove unsuccessful. We recommend installing a new Fluidmaster ballcock. Shut off the supply valve at the wall — flush toilet — mop out remaining water from tank — disconnect supply tube at bottom of ballcock — install new ballcock as per instructions included in package or in reverse order of removing old ballcock. If a 400 series Fluidmaster is installed, do not be alarmed by the dribble of water that comes out around its tip during the fill cycle as it is designed to do so in order to keep the float cup full of water.
IF...
Ballcock continues to run constantly or intermittently after it reaches the correct fill level but does not run over the overflow —
CHECK ...
Tank ball for deterioration — seat of flush valve for excessive pitting — guide for alignment or excessive wear — ball and lift wires for excessive wear that could prevent the ball from dropping — handle for lowering too far and creating a bind that prevents the ball from dropping — overflow tube (if brass) for a crack just above threads that enter the flush valve.
REPAIR ...
Replace wires, guide, and tank ball with a simple flapper. Leave only enough slack in the chain to allow it to close. Replace handle if it drops so low that when released it allows the chain to get under the edge of the flapper and prevents it from seating properly. If overflow is cracked, it will usually break off during removal and the threaded part must be pried, collapsed inward, and removed with a sharp instrument. A liberal coating of pipe sealant should be applied to the threads of the new tube before reassembly.

To replace a defective flush valve, you must shut off the supply valve, empty and dry the tank, disconnect the supply tube, and remove the tank from the bowl by removing the tank-to-bowl bolts. These are normally badly corroded and hard to remove and should be replaced once removed. Remove tank-to-bowl gasket and flush valve hold down nut and remove old flush valve. Install the new flush valve and connect tank to the bowl in reverse order. Be sure to use a new tank-to-bowl gasket. Do not draw the bolts down excessively tight as the tank will never become rigid to the bowl.

These "How-To-Do-It" sheets have been reviewed in June 2007 by a professional Engineer. If you find a problem, please notify G & G Electric & Plumbing at 1900 NE 78th Street, Ste. 101, Vancouver, Washington 98665
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