

TROUBLESHOOTING PROBLEM TOILETS

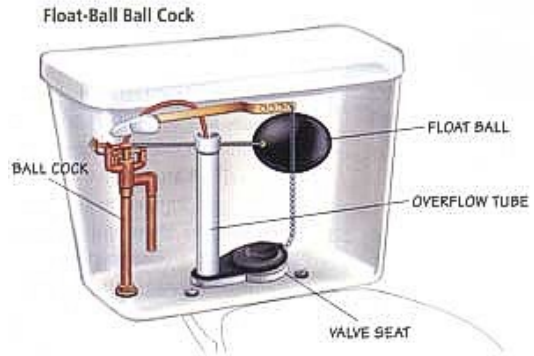
PROBLEM	POSSIBLE CAUSE	SOLUTION
Water spilling into the overflow tube, creating leak	Water level too high	Bend float arm downward until water fills to proper level (1" below the top of overflow tube). Be sure to check that float arm is securely screwed in to avoid rotation.
Water in tank runs constantly	Float-ball or rod is mis-aligned	Bend float rod carefully
	Float-ball contains water	Empty or replace float ball
	Float-ball not rising high enough	Carefully bend float rod down, but only slightly.
	Tank ball not sealing properly at bottom of tank	Remove any corrosion from lip of valve seat by using distilled white vinegar or scouring pad. Replace tank ball if worn. Adjust lift wire & guide.
	Ball-cock valve does not shut off water	Replace washers in ball-cock assembly, or if necessary, replace entire assembly.
Toilet does not flush or flushes inadequately	Drain is clogged	Remove blockage in drain (plunger, snake)
	Not enough water in tank	Raise water in tank by bending float rod up slightly.
	Tank ball falls back before enough water leaves tank	Move guide up so tank ball can rise higher.
	Leak where tank joins toilet bowl	Tighten nuts on spud pipe; replace spud washers if necessary.
	Ports around bowl rim are clogged	Ream out residue on ports.
Tank whines while filling	Ball-cock valve not operating properly	Replace washers or install new ball-cock assembly.
	Water supply is restricted.	Check shut-off to make sure it is completely open. Check for scale or corrosion at entry into tank on valve.
Moisture around fixture	Condensation	Install foam liner, tank cover, drip catcher or temp valve.
	Leak at flange wax seal	Remove toilet and install a new wax ring seal or tighten up colose bolts that secure the toilet to the floor. Wait for seal to dry before turning water supply back on.
	Leak at bowl-tank connection	Tighten spud pipe nuts; replace worn spud washers if necessary.
	Leak at water inlet connection	Tighten locknut and coupling nut, replace washers and gasket if necessary.
	Crack in bowl or tank	Replace bowl, tank or entire fixture.

* Check toilets for leaks at least every 3 months. Not all leaks are audible and a silent toilet leak can waste 30-50 gallons or more per day. The ones you can hear will waste much, much more.

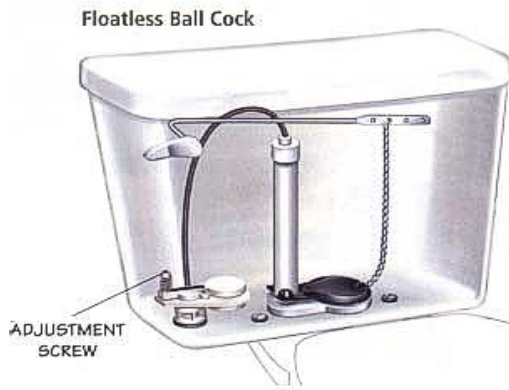
COMMON TOILET TANK MECHANISMS



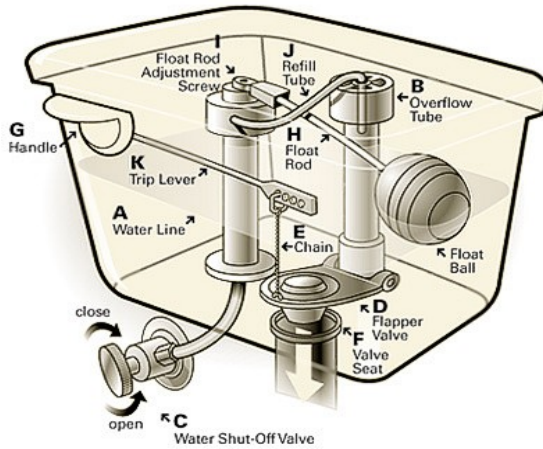
Floating-cup Ball Cock



Float-ball Ball Cock



Floatless Ball Cock



Float-ball Ball Cock

If you are unsure about this process or cannot fix the problem call a plumber