

QUICK START Dual Flush Kit and Fill Valve Instructions — Thank You for choosing Water Saver Products !!!

To conserve paper and for those who do not have fast internet access, we are including this general instruction sheet which covers the basic installation procedure for this kit. For **Detailed Instructions, Pictures and Videos** online, please visit our website at <http://www.water-saver.org> or email your questions to support@water-saver.org.

PART ONE: TANK REMOVAL . . . How to remove the tank from the bowl on a standard two-piece toilet

Place towels underneath the tank on both sides to catch any water that drips down during removal. Shut off and then disconnect the water supply to the toilet. Flush the toilet and hold the handle down to allow as much water to drain out as possible. Now use a sponge to soak up the remaining water until the tank is completely empty. Remove the tank retaining nuts on the underside of the toilet. Depending on how long the nuts have been in place, they may be corroded and difficult to remove, so if necessary, slip a hacksaw blade in between the tank and bowl to cut the bolts. Once the tank is removed, pull off the rubber donut seal from the flapper valve flange to expose the large nut securing it to the tank. Push down on the flapper valve from inside the tank and the large nut make break loose by hand. If not, use a large pair of adjustable pliers or cut it in one spot to split it open if necessary. Similarly, remove the nuts from the fill valve and flush handle. Clean the tank thoroughly to ready for the new parts.

PART TWO: DUAL FLUSH VALVE INSTALLATION . . . How to install the dual flush valve in the toilet tank

STEP 1
FLUSH VALVE
VALVE BASE
Separate the dual flush valve from its base by rotating the flush valve until its retaining tabs align and it pulls free.

STEP 2
GASKET
WASHER
NUT
Remove the large nut and washer from the base, but leave the rubber gasket in place.

STEP 3
GASKET
Install the flush base into the tank with the fill tube at about the 2 o'clock position. Thread the washer and nut back on, press down on the base and hand tighten the nut.

STEP 4
Reconnect the flush valve back into the base by aligning its retaining tabs. Then rotate the flush valve to lock and position it such that the cable has a nice wide bend over to the flush handle or push button mechanism.

STEP 5
DONUT SEAL
Stretch the tank-to-bowl rubber donut seal onto the flush base flange and nut. Note that this is a general purpose gasket. In some cases where a custom gasket is used, the old gasket will need to be reused or purchased from the manufacturer.

Inside of Tank
Bottom of Tank
STEP 6
Bottom of Bowl

Insert the bolts as shown and reinstall the tank. Note that 3 bolts are included but some tanks only require 2.

If the spacing between the tank and bowl is tight, then omit the center washer and nut.

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PART THREE: FLUSH HANDLE INSTALLATION

FULL
HALF

The flush handle can be oriented for either traditional up/down or left/right flushes as preferred.

STEP 1
STEP 2
STEP 3

1) Unscrew the nut from the flush handle assembly.
2) Insert the handle shaft through the tank such that the handle is in the desired orientation, then reinstall and snug down the nut. 3) Attach the cable box by pressing the blue release button and aligning it to the flush handle shaft.

PART FOUR: FILL VALVE INSTALLATION . . . How to install the fill valve in the toilet tank

STEP 1
WATER LINE
BLUE BOWL
HOLD
TWIST
Twist the lower portion to the left (counterclockwise) and extend the fill valve base until the top of the blue bowl aligns with the factory water line in the tank. Twist back.
<<< NOTE SEDIMENT FILTER INSIDE

STEP 2
BOWL
SEAL
Position the fill valve with the bowl at about the 4 o'clock position or best angle for fit. Thread the washer and nut back on, press down on the valve and hand tighten the nut.

STEP 3
BOWL FILL VALVE
FILL TUBE
LOCK COLLAR
Unlock the fill tube collar and extend to about 1/2" above the water line, then relock. Attach the bowl fill valve to the top of the fill tube and adjust to about midway between open and closed. This little valve can save up to an extra gallon on each flush.

INSTALL TIPS

- 1) WATCH FOR LEAKS . . .** hand tightening is usually enough, but use a pliers if required. **DO NOT OVERTIGHTEN** as that can also cause leaks or breakage.
- 2) CHECK THE CABLE . . .** the most common cause of flush problems is the cable not being routed loosely enough. Reposition the flush valve and/or cable box orientation to ensure that the cable has a nice wide bend over to the flush handle or push button mechanism.
- 3) ADJUST AS REQUIRED . . .** the factory water line is just for reference. Raise or lower the water level and change the flush settings until both flushes work as desired. Most toilet flapper valves use much more water than required.
- 4) CHECK THE FILTER . . .** if the filling time begins to increase over time, check the fill valve filter (Part Four).
- 5) DON'T PANIC !!! . . .** these kits work extremely well in most standard toilets and we can help figure out any problems. See the help and contact info above.

PART FIVE: FINAL ADJUSTMENTS . . . How to set up everything up for the first flush

HALF FLUSH
Start with the half flush slide adjustment (UPPER) all the way UP for the least water.

FULL FLUSH
Start with the full flush slide adjustment (LOWER) at about the HALF WAY point.

FIRST TANK FILL
Reconnect the water line to the fill valve and turn the water on just enough to slowly fill the tank. Watch for any leaks and as the tank fills, it may settle, so snug up the tank bolts again as required. Fine tune the fill valve thumb screw to adjust the fill level to the water line.

THUMB SCREW

FIRST FLUSH !!!

Try a few half flushes first and increase the half flush setting and the bowl fill valve until the flush volume and bowl refill are satisfactory with the least amount of water used. Then try a few full flushes and adjust the full flush setting until satisfactory. Note that the full flush can usually be set to reduce water use as well. **HAPPY FLUSHING!**