

QUICK START FlushMinder G4 Automatic Dual Flush Kit Instructions

This general instruction sheet covers the basic installation procedure for this kit. Since toilet configurations vary widely, your particular installation may require additional steps and/or hardware. For more information, please visit our website at <https://water-saver.org> or email your questions to support@water-saver.org.



Water Saver Products, LLC

"Home of the FlushSaver DIY Kits"

000 KFM-G4F-QS Rev A © WSP 2022

Thank You for choosing Water Saver Products !!!

OVERVIEW

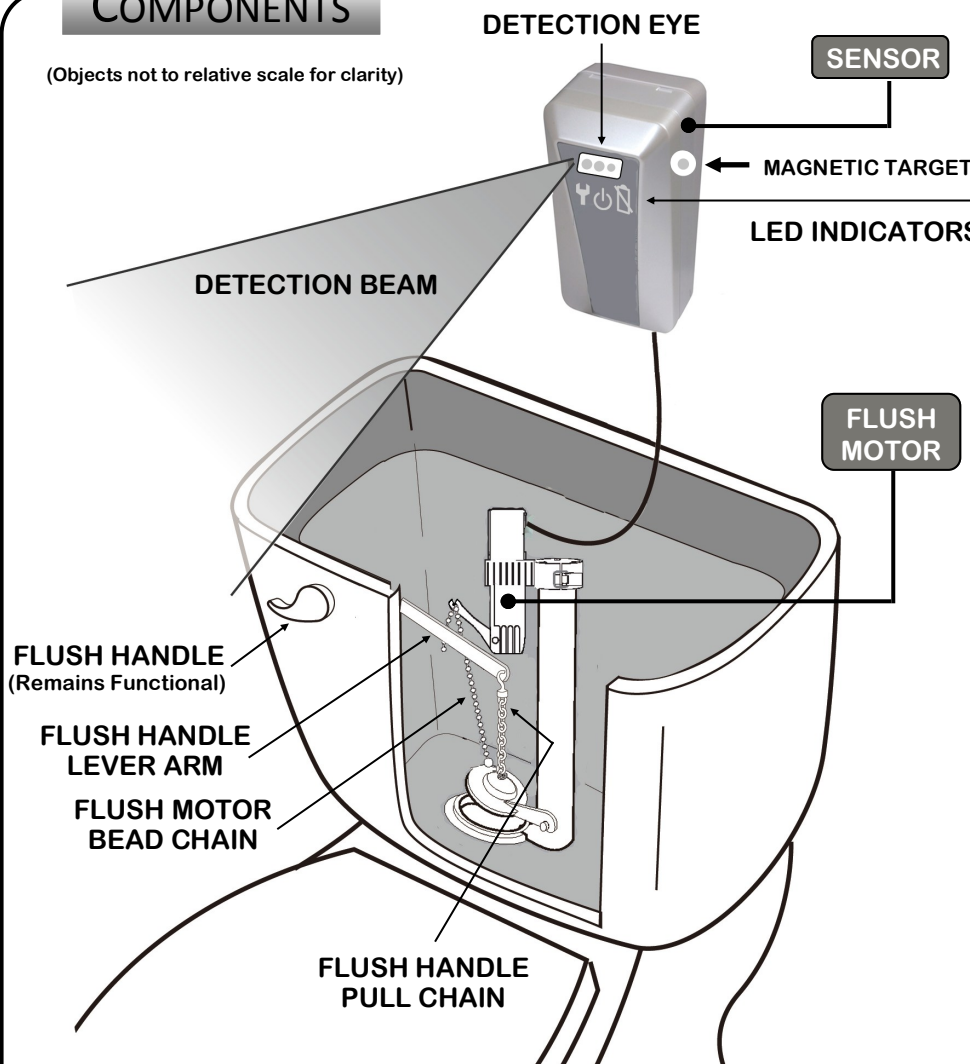
This electronic dual-flush toilet conversion system fits most standard Flush Handle toilets and is FULLY AUTOMATIC. Upon toilet use, a computerized Human-Presence Sensor measures the "time-at-the-toilet" and then activates a Flush Motor inside the tank which lifts the flapper valve for either a half-flush (#1) or full-flush (#2) as required. The presence detection is self-calibrating and the half and full flush cycles are programmable with a simple Magnetic Wand and Flapper Chain (both included). The Sensor and Flush Motor installation and setup are quick and easy with minimal tools, NO TANK REMOVAL or plumbing skills required. Both Sensor and Flush Motor are moisture sealed and run on 6 standard AA alkaline batteries (included) for up to 1 year or 5,000 worry-free flushes. Saves water and improves sanitation - perfect for children, the elderly, public toilets or any high-use bathroom area where flushing delinquency is a problem.

PREPARATION

Before attempting installation, please read these Quick Start Instructions thoroughly, familiarize yourself with your specific toilet configuration and gather any required tools. Ensure that the Sensor can be mounted just above the toilet tank with no frontal obstructions within a range of 4 ¼ feet and that the Flush Motor will fit down inside the toilet tank roughly above the flapper valve without interference. The battery compartment inside the Sensor requires a small Philips screwdriver to open since the cover is tightly sealed against moisture with a silicon gasket. The Sensor unit itself can be mounted with either its attached double-sided tape or by using the included wall fasteners or other similar fasteners as desired, so a drill and appropriate bit may be required as well.

COMPONENTS

(Objects not to relative scale for clarity)



FLUSH CYCLE
SETUP MODE



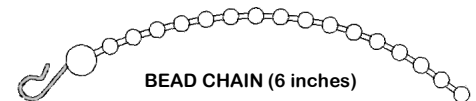
PRESENCE
DETECTION



LOW BATTERIES

ACCESSORIES

(Objects not to relative scale for clarity)



BEAD CHAIN (6 inches)



MAGNETIC WAND



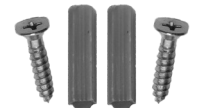
MOTOR MOUNTS
(2 INCLUDED)



MOUNT COLLARS
(2 SIZES - OPTIONAL)



AA BATTERIES (6)



WALL MOUNT SET
(OPTIONAL)

INSTALLATION (over)



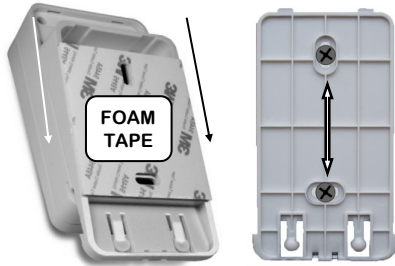
INSTALLATION

1

Position the Sensor on the wall behind the tank such that it is high enough to "see" above any obstacles, yet low enough to detect a person sitting on the toilet.



TAPE MOUNT - or - SCREW MOUNT

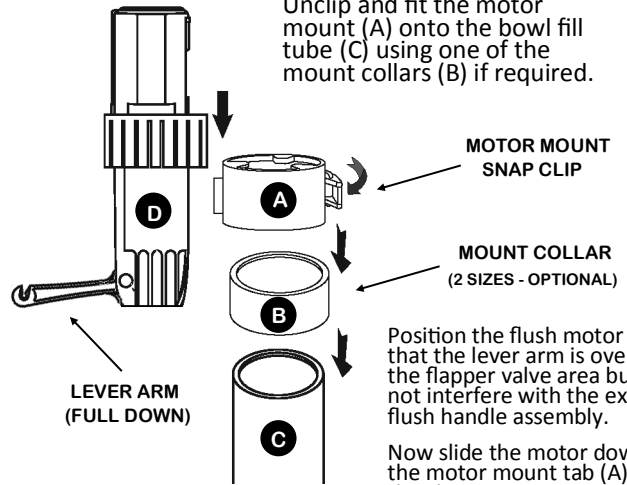


Mount the Sensor using the attached foam tape on the back plate or remove the back plate by sliding downward and mount using the appropriate wall anchors, then place the Sensor back on the wall.

⇒ DO NOT INSTALL BATTERIES YET !!! SLIDE OFF

2

Unclip and fit the motor mount (A) onto the bowl fill tube (C) using one of the mount collars (B) if required.



Position the flush motor (D) so that the lever arm is over top of the flapper valve area but does not interfere with the existing flush handle assembly.

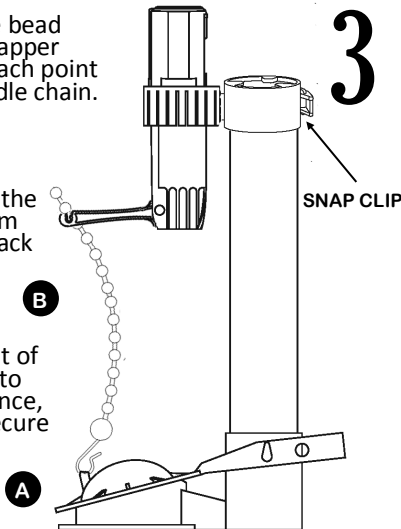
Now slide the motor down onto the motor mount tab (A) using the closest motor mount slot.

3

Clip the lower end of the bead chain to the top of the flapper valve (A) at the same attach point as the existing lever handle chain.

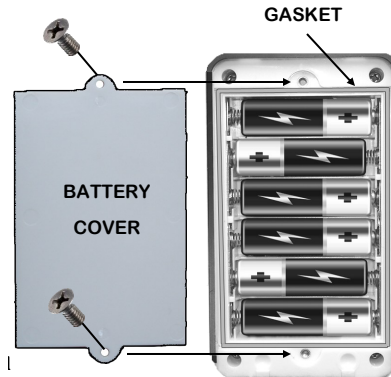
Now snap the upper end of the bead chain into the lever arm groove (B), leaving a little slack in the chain.

Check the relative alignment of both lever arms and chains to ensure there is no interference, adjust as necessary, then secure the motor mount snap clip.



4

Remove the Sensor from its wall plate by sliding upward and off, then remove the battery cover with a small Philips screwdriver. Install the 6 AA batteries and IMMEDIATELY hold the unit back against its mount while standing to the side (out of the detection beam) until the Presence Detection LED stops flashing.



Now check that the silicone gasket inside the battery compartment is in position, replace the battery cover and screws, then reinstall the Sensor unit back onto its wall mount.

⇒ FLUSH MOTOR MAY CYCLE ANYTIME DURING THIS STEP

ADJUSTMENTS

5

Stand to the right out of the detection beam and adjust the Half Flush cycle time by holding the Magnetic Wand against the right side Magnetic Target until the desired water release is achieved.

Note the speed and distance of the Flush Motor up/down cycle and adjust accordingly. The Full Flush will automatically cycle to the maximum up/down limits.



MAGNETIC WAND

FULL CYCLE



⇒ FLAPPER VALVE SHOULD NOT FULLY OPEN ON EITHER CYCLE

TESTING

6

Stand in front of the Sensor until the Detection LED flashes for about 20 secs and then step aside to activate a test Half Flush. Observe the mechanics and alignment of the Flush Motor as it cycles and make any further adjustments.



Also ensure that the Flush Handle can still be operated normally without interference so that the toilet can be flushed normally as before.

INSTALLATION AND SETUP COMPLETE!

NOTE: Anytime the batteries are replaced or the Sensor range needs to be recalibrated, simply repeat steps 5 & 6. To prevent false detection and random flushes, keep any obstacles or mirrored surfaces out of the Detection Beam.

SPECIFICATIONS

Sensor: 4.75Lx2.75Wx2.55D inches (120x70x65 mm)
 Detection Range: 0 - 31.5 +/- 4.0 inches (80 +/- 10 cm)
 Detection Clearance: 51 inches (130 cm)
 Flush Motor: Servo Jackscrew (stall protected)

Half Flush Timer: 15 - 60 secs
 Full Flush Timer: > 60 secs
 Maximum Flush Cycle: 10 secs
 Autoflush: 1 per week

Power: 6 AA Batteries
 Type: Alkaline, Lithium, Rechargeable Lithium
 Protection: Moisture Sealed
 Life: 1 Year or 5,000 flushes (approximate)