# FLUSHMATE®

# Pro Pocket Guide

A resource for Flushmate equipped toilets, replacement systems, parts, tools, and accessories.

# Contents

# Whether specifying new toilets with Flushmate® Systems or locating replacement systems or parts, this guide provides the complete list of brands and models that offer Flushmate pressure-assisted technology.

## Every drop counts

Leading toilet brands around the world are powered by Flushmate pressure-assisted technology for single flush performance and water-savings.

**20% less water**

Flushmate models can consume 20% to 38% less water than 1.6 gpf gravity toilets on average.

**Fewer double flushes**

70 gallon per minute peak flow of Flushmate pressure-assisted technology clears the bowl on the first flush.

**Water savings for life**

The flush volume will never decrease which means water savings are sustained for the life of the fixture.

**IMPORTANT**

Only the toilet models listed in this guide are compatible with Flushmate Systems. See pages 6-13 for all current toilets manufactured to include Flushmate pressure-assisted technology.

# Flushmate® Systems

Flushmate pressure-assisted toilets effectively eliminate waste and conserve water through an innovative flushing technology that outperforms traditional gravity toilets. There are three options to choose from, defined by flush volume (water consumption):

### Flushmate IV
## 504 Series



**1.0 gpf**
**1 & 2 piece**
Compatible toilet types

### UHET
- Ultra-high-efficiency toilet
- Most water conserving
- WaterSense certified



### Flushmate III
## 503H Series



**1.28 gpf**
**2 piece**
Compatible toilet type

### HET
- High-efficiency toilet
- Water conserving
- WaterSense certified

*The 503H Series is a Flushmate III 503 series systems that uses 1.28 gpf.*



### Flushmate III
## 503 Series



**1.6 gpf**
**1 & 2 piece**
Compatible toilet types

- Out performs older models
- For environments with limited water pressure

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**Commercial** A 10-story office building with 1,000 occupants could save 1.2 million gallons of water and up to $10,000 per year by switching to WaterSense toilets.

**Residential** The average family can reduce water used for toilets by 20 to 60 percent by switching to WaterSense models.

*Information courtesy of the EPA. For more information, visit: epa.gov/watersense*

# Flushmate® Equipped Toilet Specifications

If the new toilet will be replacing an existing one, several key specifications—mounting and outlet, rough-in dimension, and bowl shape—are included in this guide to make selection easy.



**2 pc.** - Two-piece



**1 pc.** - One-piece



10", 12", 14"

**Rough-in**



**E** - Elongated Bowl



**R** - Round Bowl



17–19"

**RR** - Raised Rim



**Floor**
Floor Mount
Floor Outlet



**Floor/Rear**
Floor Mount
Rear Outlet



**Wall/Rear**
Wall Mount
Rear Outlet

# 504

**Flushmate® Equipped Toilets**

Flushmate 504 Series / 1.0 gpf

| Brand | Model Name | Model | Tank # | Bowl # |
|---|---|---|---|---|
| Contrac | Chane | 5721BOY | 5721BOY | 5722BMY |
| Contrac | Cleo | 5722BOY | 5721BOY | 5722BOY |
| Winfield | | PAT 155-100 | PAK100 | PAB155 |
| Winfield | | PAT 165-100 | PAK100 | PAB165 |
| Corona | Cyclone Ultra | 2707 | 14763 | 12271 |
| Corona | Powermax | 20801001 | E21801005 | E20801005 |
| Corona | Prestigio | 31636 | | |
| Exergis | Acquamenos | N2310RB | N2310T | N2310RB |
| Kohler | Barrington Pressure Lite | K-3578 | K-4484 | K-4305 |
| Kohler | Highline Pressure Lite | K-3519 | K-4484 | K-4304 |
| Kohler | San Raphael Comfort Height Pressure Lite | K-3597 | | |
| Kohler | Wellworth Pressure Lite | K-3531 | K-4484 | K-4303 |
| Koohoo | T-3051 | | | |
| Koohoo | T-3052C | | | |
| Mansfield | Prestigio 4 | 704 | 153 | |
| Mansfield | QuantumOne | 144-153 | 153 | 144 |
| Mansfield | QuantumOne | 146-153 | 153 | 146 |

| | Bowl Shape | | Mounting/Outlet | |
|---|---|---|---|---|
| **E** | Elongated Bowl | **Floor** | Floor Mount, Floor Outlet |
| **R** | Round Bowl | **Floor/Rear** | Floor Mount, Rear Outlet |
| **RR** | Raised Rim | **Wall/Rear** | Wall Mount, Rear Outlet |

| Rough-in | Type | Bowl | Mount/Outlet | ADA |
|---|---|---|---|---|
| Rear | 2 pc. | E, RR | Floor/Rear | ♿ |
| 12″ | 2 pc. | E, RR | Floor | ♿ |
| 12″ | 2 pc. | E | Floor | |
| 12″ | 2 pc. | E, RR | Floor | ♿ |
| 12″ | 2 pc. | E, RR | Floor | ♿ |
| 12″ | 1 pc. | E | Floor | |
| 12″ | 1 pc. | E | Floor | |
| | 2 pc. | R | Floor | |
| Rear | 2 pc. | E, RR | Floor/Rear | ♿ |
| 12″ | 2 pc. | E, RR | Floor | ♿ |
| 12″ | 1 pc. | E, RR | Floor | ♿ |
| 12″ | 2 pc. | E | Floor | |
| | 2 pc. | E | Floor | |
| | 1 pc. | E | Floor | |
| 12″ | 2 pc. | E | Floor | |
| Wall | 2 pc. | E | Wall/Rear | |
| 12″ | 2 pc. | R | Floor | |

**IMPORTANT**

Gravity-fed toilets cannot be retrofitted with a Flushmate® System.

# 504

## Flushmate® Equipped Toilets
Flushmate 504 Series / 1.0 gpf

| Brand | Model Name | Model | Tank # | Bowl # |
|---|---|---|---|---|
| Mansfield | QuantumOne | 147-153 | 153 | 147 |
| Mansfield | QuantumOne | 149-153 | 153 | 149 |
| Mansfield | Quantum Smart Height | 148-153 | 153 | 148 |
| Peerless Pottery | Predator | 1-606 | 1 | 606 |
| Peerless Pottery | Predator | 1-608 | 1 | 608 |
| Proflo | Proflo | PF1600PAWH | PF1612PAWH | PF1600PAWH |
| Proflo | Proflo | PF1601PAWH | PF1612PAWH | PF1601PAWH |
| Proflo | Proflo | PF1603PAWH | PF1612PAWH | PF1603PAWH |
| Proflo | Proflo | PF1604PAWH | PF1612PAWH | PF1604PAWH |
| Proflo | Proflo | PF1605PAWH | PF1612PAWH | PF1605PAWH |
| Proflo | Proflo | PF1606PAWH | PF1612PAWH | PF1606PAWH |
| Seasons | Hawthorne | 564854/564856 | 564854 | 564856 |
| Seasons | Hawthorne | 564854/564814 | 564854 | 564814 |
| Sloan | Sloan | WETS-8009.8016 | 2108016 | 2108009 |
| Sloan | Sloan | WETS-8029.8016 | 2108016 | 2108029 |
| Western Pottery | Wrangler One | B422PF-1 | | |
| Western Pottery | Wrangler One | B432PF-1 | | |
| Western Pottery | Wrangler One | B472PF-1 | | |

| Bowl Shape | | Mounting/Outlet | |
|---|---|---|---|
| **E** | Elongated Bowl | **Floor** | Floor Mount, Floor Outlet |
| **R** | Round Bowl | **Floor/Rear** | Floor Mount, Rear Outlet |
| **RR** | Raised Rim | **Wall/Rear** | Wall Mount, Rear Outlet |

| Rough-in | Type | Bowl | Mount/Outlet | ADA |
|---|---|---|---|---|
| 12″ | 2 pc. | E | Floor | |
| Rear | 2 pc. | E | Floor/Rear | |
| 12″ | 2 pc. | E, RR | Floor | |
| 12″ | 2 pc. | E | Floor | |
| 12″ | 2 pc. | E, RR | Floor | ♿ |
| 12″ | 2 pc. | R | Floor | |
| 12″ | 2 pc. | E | Floor | |
| 12″ | 2 pc. | E, RR | Floor | ♿ |
| Rear | 2 pc. | R | Floor/Rear | |
| Rear | 2 pc. | E | Floor/Rear | |
| Rear | 2 pc. | E, RR | Floor/Rear | ♿ |
| 12″ | 2 pc. | E, RR | Floor | ♿ |
| Rear | 2 pc. | E, RR | Floor/Rear | ♿ |
| 12″ | 2 pc. | E | Floor | |
| 12″ | 2 pc. | E, RR | Floor | ♿ |
| 12″ | 2 pc. | R | Floor | |
| 12″ | 2 pc. | E | Floor | |
| 12″ | 2 pc. | E, RR | Floor | ♿ |

**IMPORTANT**

Gravity-fed toilets cannot be retrofitted with a Flushmate® System.

# 503H

**Flushmate® Equipped Toilets**

Flushmate 503H Series / 1.28 gpf

| Brand | Model Name | Model | Tank # | Bowl # |
|---|---|---|---|---|
| Gerber | Ultra Flush | HE-21-300 | HE-28-385 | HE-21-342 |
| Gerber | Ultra Flush | HE-21-302 | HE-28-380 | HE-21-342 |
| Gerber | Ultra Flush | HE-21-304 | HE-28-384 | HE-21-342 |
| Gerber | Ultra Flush | HE-21-310 | HE-28-380 | HE-21-374 |
| Gerber | Ultra Flush | HE-21-311 | HE-28-385 | HE-21-372 |
| Gerber | Ultra Flush | HE-21-312 | HE-28-380 | HE-21-372 |
| Gerber | Ultra Flush | HE-21-314 | HE-28-384 | HE-21-372 |
| Gerber | Ultra Flush | HE-21-317 | HE-28-385 | HE-21-377 |
| Gerber | Ultra Flush | HE-21-318 | HE-28-380 | HE-21-377 |
| Gerber | Ultra Flush | HE-21-324 | HE-28-384 | HE-21-377 |
| Gerber | Ultra Flush | HE-21-325 | HE-28-380 | HE-21-375 |
| Lamosa | Tornado | 3138-3471 | 3471-V | 3138-V |
| Lamosa | Tornado ADA | 3134-3471 | 3471-V | 3134-V |
| Mansfield | Quantum 1.28 | 144-155 | 155 | 144 |
| Mansfield | Quantum 1.28 | 146-155 | 155 | 146 |
| Mansfield | Quantum 1.28 | 147-155 | 155 | 147 |
| Mansfield | Quantum 1.28 | 149-155 | 155 | 149 |
| Mansfield | Quantum 1.28 Smart Height | 148-155 | 155 | 148 |
| Sloan | Sloan | WETS-8009.8010 | 2108010 | 2108009 |
| Sloan | Sloan | WETS-8029.8010 | 2108010 | 2108029 |
| Vortens | Tornado | 3134-3471 | 3471-V | 3134-V |
| Vortens | Tornado | 3138-3471 | 3471-V | 3138-V |
| Western Pottery | Wrangler | B422PF-1.28 | | |
| Western Pottery | Wrangler | B432PF-1.28 | | |
| Western Pottery | Wrangler | B472PF-1.28 | | |
| Winfield | | PAT 165-128 | PAK128 | PAB165 |

**Bowl Shape**

| | |
|---|---|
| **E** | Elongated Bowl |
| **R** | Round Bowl |
| **RR** | Raised Rim |

**Mounting/Outlet**

| | |
|---|---|
| **Floor** | Floor Mount, Floor Outlet |
| **Floor/Rear** | Floor Mount, Rear Outlet |
| **Wall/Rear** | Wall Mount, Rear Outlet |

| Rough-in | Type | Bowl | Mount/Outlet | ADA |
|---|---|---|---|---|
| 10″ | 2 pc. | R | Floor | |
| 12″ | 2 pc. | R | Floor | |
| 14" | 2 pc. | R | Floor | |
| Rear | 2 pc. | E | Floor/Rear | |
| 10" | 2 pc. | E | Floor | |
| 12" | 2 pc. | E | Floor | |
| 14" | 2 pc. | E | Floor | |
| 10" | 2 pc. | E, RR | Floor | ♿ |
| 12" | 2 pc. | E, RR | Floor | ♿ |
| 14" | 2 pc. | E, RR | Floor | ♿ |
| Rear | 2 pc. | E, RR | Floor/Rear | ♿ |
| 12" | 2 pc. | E | Floor | |
| 12" | 2 pc. | E, RR | Floor | ♿ |
| Wall | 2 pc. | E | Wall/Rear | |
| 12" | 2 pc. | R | Floor | |
| 12" | 2 pc. | E | Floor | |
| Rear | 2 pc. | E | Floor/Rear | |
| 12" | 2 pc. | E, RR | Floor | ♿ |
| 12" | 2 pc. | E | Floor | |
| 12" | 2 pc. | E, RR | Floor | ♿ |
| 12" | 2 pc. | E, RR | Floor | ♿ |
| 12" | 2 pc. | E | Floor | |
| 12" | 2 pc. | R | Floor | |
| 12" | 2 pc. | E | Floor | |
| 12" | 2 pc. | E, RR | Floor | ♿ |
| 12″ | 2 pc. | E, RR | Floor | ♿ |

**IMPORTANT**

Gravity-fed toilets cannot be retrofitted with a Flushmate® System.

# 503

## Flushmate® Equipped Toilets
Flushmate 503 Series / 1.6 gpf

| Brand | Model Name | Model | Tank # | Bowl # |
|---|---|---|---|---|
| Gerber | Ultra Flush | 21-300 | 28-385 | 21-342 |
| Gerber | Ultra Flush | 21-302 | 28-380 | 21-342 |
| Gerber | Ultra Flush | 21-304 | 28-384 | 21-342 |
| Gerber | Ultra Flush | 21-310 | 28-380 | 21-374 |
| Gerber | Ultra Flush | 21-311 | 28-385 | 21-372 |
| Gerber | Ultra Flush | 21-312 | 28-380 | 21-372 |
| Gerber | Ultra Flush | 21-314 | 28-384 | 21-372 |
| Gerber | Ultra Flush | 21-317 | 28-385 | 21-377 |
| Gerber | Ultra Flush | 21-318 | 28-380 | 21-377 |
| Gerber | Ultra Flush | 21-319 | 28-380 | 21-329 |
| Gerber | Ultra Flush | 21-324 | 28-384 | 21-377 |
| Gerber | Ultra Flush | 21-325 | 28-380 | 21-375 |
| Kohler | Barrington Pressure Lite | K-3554 | K-4645 | K-4327 |
| Kohler | Highline Pressure Lite | K-3493 | K-4645 | K-4304 |
| Kohler | Wellworth Pressure Lite | K-3505 | K-4645 | K-4303 |
| Mansfield | Quantum | 144-123 | 123 | 144 |
| Mansfield | Quantum | 146-123 | 123 | 146 |
| Mansfield | Quantum | 147-123 | 123 | 147 |
| Mansfield | Quantum | 149-123 | 123 | 149 |
| Mansfield | Quantum Smart Height | 148-123 | 123 | 148 |
| Orion | Turborion II | | | |
| Sloan | Sloan | WETS-8009.8013 | 2108013 | 2108009 |
| Sloan | Sloan | WETS-8029.8013 | 2108013 | 2108029 |

| Rough-in | Type | Bowl | Mount/Outlet | ADA |
|---|---|---|---|---|
| 10" | 2 pc. | R | Floor | |
| 12" | 2 pc. | R | Floor | |
| 14" | 2 pc. | R | Floor | |
| Rear | 2 pc. | E | Floor/Rear | |
| 10" | 2 pc. | E | Floor | |
| 12" | 2 pc. | E | Floor | |
| 14" | 2 pc. | E | Floor | |
| 10" | 2 pc. | E, RR | Floor | ♿ |
| 12" | 2 pc. | E, RR | Floor | ♿ |
| 12" | 2 pc. | E, RR | Floor | ♿ |
| 14" | 2 pc. | E, RR | Floor | ♿ |
| Rear | 2 pc. | E, RR | Floor/Rear | ♿ |
| Rear | 2 pc. | E | Floor/Rear | |
| 12" | 2 pc. | E, RR | Floor | ♿ |
| 12" | 2 pc. | E | Floor | |
| Rear | 2 pc. | E | Floor/Rear | |
| 12" | 2 pc. | R | Floor | |
| 12" | 2 pc. | E | Floor | |
| Rear | 2 pc. | E | Floor/Rear | |
| 12" | 2 pc. | E, RR | Floor | ♿ |
| 12" | 2 pc. | E | Floor | |
| 12" | 2 pc. | E | Floor | |
| 12" | 2 pc. | E, RR | Floor | ♿ |

# INTELLI-Flush™

INTELLI-Flush enables touchless, electronic sensor operation of existing Flushmate® units.

**1** **ON-WALL SENSOR**
Position the sensor above the tank and adjust to any one of the four operating modes.

**2** **FLUSH MODULE**
Whether you have a 503, 503H, or 504 Series Flushmate, the right adapter is always included in your kit. Simply attach and adjust.

**3** **OVERRIDE BUTTON**
On-demand flushing is available with a sleek override button that easily replaces your traditional flush handle.

# Hands-free operations for hygienic convenience.

INTELLI-Flush™ combines the water-saving and performance advantages of Flushmate® with the convenience of touch-free operation. It reduces the spread of bacteria, diminishes recurring odors, and ensures a consistent, powerful flush each time.

## Design features

- Superior flushing with proven Infrared Object Lock Technology
- Easy to install on-wall sensor system
- Ideal for new 1.0, 1.28, or 1.6 gpf Flushmate systems or retrofitting to select Flushmate models
- Adjustable sensor range, flush delay (5 or 7 second), and 24-hour flush cycle
- Optional "hand wave only" actuation
- LED indication on detection and when battery is low
- Sealed battery compartment
- Sensor trim available in chrome or white

## Features and benefits

- Battery-activated
- ADA compliant
- Infrared sensor technology ensures a complete flush after each use
- Adjustable sensor settings
- Ideal for applications where physical flushing is a concern
- Helps reduce odors
- 3 year expected battery life
- 1 year limited warranty

## Certifications

ISO9001 Quality System Certified

## INTELLI-Flush Automatic Flushing System for 503, 503H, and 504 Series*

| | |
|---|---|
| INTELLI-Flush on-wall sensor, with chrome trim | K-100101 |
| INTELLI-Flush on-wall sensor, with white trim | K-100100 |
| INTELLI-Flush, with override button with NO sensor | K-100500 |

*Please contact sales@flushmate.com to confirm compatibility with OEM fixture before installation. Visit flushmate.com/resources/ for complete list.

# Flushmate® Replacement Systems

### 1  Identify Toilet Type

One-piece or two-piece.

### 2  Identify Your Model and Serial Number

The model and serial number are located on the top portion of the label adhered to the top of the Flushmate System. The middle characters (up to 5) in the serial number determine the replacement part needed.

> ## XXXXXX - F3HG3 - XXXX

### 3  Locate your Serial Number

Search the lists below for your serial number. The replacement part number is listed in bold above your serial number.

In example on the right you would replace your model (that has serial number F3HG3) with replacement part M-101526-F3H3

**M-101526-F3H3**
F3HGR
F3HG3

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## One-piece Toilets

**504 Series 1.0 gpf**
Model: M-102540-F4

**Replacement Part:**
**M-102540-F4M**
Mansfield/Corona Only
F4M

**Replacement Part:**
**M-102540-C**
C01

**503 Series 1.6 gpf**
Model: M-102540-F3

**Replacement Part:**
**M-102540-FC**
FC
FC1

**Replacement Part:**
**M-102540-F3**
F03B

**Replacement Part:**
**M-102540-F3A**
American Standard
F3A

# Two-piece Toilets

**504 Series 1.0 gpf**
Model: M-101526-F4

**Replacement Part:**
**M-101526-F41**

F4L
F4LR
F4N
F41

**Replacement Part:**
**M-101526-F42**

F4B
F4BR
F4C
F4F1
F4F2
F4J
F4M
F4MP
F4V
F4V1
F4V2
F4T1
F4P1
F42

**Replacement Part:**
**M-101526-F43**

F4K2
F4KR
F42
F43

**Replacement Part:**
**M-101526-F4ET**

F4ET

**503H Series 1.28 gpf**
Model: M-101526-F3

**Replacement Part:**
**M-101526-F3H1**

F3G6
F3H
F3H1
F3HC
F3HE
F3HG
F3HG2
F3HM
F3HS

**Replacement Part:**
**M-101526-F3H3**

F3HGR
F3HG3
F3H3
F3HL

**503 Series 1.6 gpf**
Model: M-101526-F3

**Replacement Part:**
**M-101526-F31**

F03
F3A
F31A
F3AR
F3C
F3CR
F3E
F3ER
F3G
F3G2
F3K1
F3K2
F3L
F3LR
F3R
F3M
F3MP
F3MR
F3U
F3UR
F3S
F31
F34

**Replacement Part:**
**M-101526-F32**

F3K
F3KR
F3Z
F32

**Replacement Part:**
**M-101526-F33**

F3GR
F3G3

Use the Flushmate® Part Finder for serial numbers not listed or to find compatible replacement parts: flushmate.com/parts

# Flushmate® Replacement Parts

## Installation Packs & Parts

| | | |
|---|---|---|
| 1 | Duckbill Valve (air inducer), 4 Count Pack | B-108288-4PK |
| 2 | Duckbill Valve (air inducer), 24 Count Pack | B-108288-BK |
| 3 | Installation Pack, Large Discharge Extension | BP200108-1 |
| 4 | Installation Pack, 1-Piece Toilet (excluding Kohler) | BP200112-1 |
| 5 | Installation Pack, Kohler K-3597 only | BP200112-2 |
| 6 | Installation Pack, Standard Discharge Extension | BP200114-4 |
| 7 | Actuator with Set Screw | C-218221-1 |
| 8 | Convex Push Button | DP400999-1 |
| 9 | Tank to Bowl Gasket | E-205288 |
| 10 | Tank to Bowl Bolts (2 bolts per pack) | E-300022 |
| 11 | Tank to Bowl Bolts (3 bolts per pack) | E-300023 |
| 12 | Upper Supply Valve for all Flushmate Systems | BU100505-KIT |

## Actuation Kits & Parts

| | | |
|---|---|---|
| 13 | **Universal Handle Replacement Kit for Flushmate III – 503 Series** | |
| | With Chrome Handle | AP300503 |
| | With Satin Nickel Handle | AP300503-SN |
| | With Polished Brass Handle | AP300503-PB |
| | With Polished Nickel Handle | AP300503-PN |
| 14 | **Universal Handle Replacement Kit for Flushmate IV – 504 Series** | |
| | With Chrome Handle | AP400504 |
| | With Satin Nickel Handle | AP400504-SN |
| | With Polished Brass Handle | AP400504-PB |
| | With Polished Nickel Handle | AP400504-PN |
| 15 | Actuation Rod Kit for Gerber Tank 21-012, Left Hand | AR300308-L3 |
| 16 | Actuation Rod Kit for Kohler Tank K-3597, Left Hand | AR300309-L4C |
| 17 | Satin Nickel Handle Kit (handle only) | D-400602-2KIT |
| 18 | Polished Nickel Handle Kit (handle only) | D-400602-3KIT |
| 19 | Polished Brass Handle Kit (handle only) | D-400602-4KIT |
| 20 | Chrome Handle Kit (handle only) | D-400602-KIT |

## Cartridge Assembly

| | | |
|---|---|---|
| 21 | Cartridge Kit for Flushmate III - 503 Series, 1.6 gpf and Flushmate IV - 504 Series, 1.0 gpf | C-100500-KIT |
| 22 | Cartridge Kit for Flushmate III - 503H Series, 1.28 gpf | C-100501-KIT |
| 23 | Cartridge Kit for Flushmate IV - 504 Series, 1.0 gpf, Model M-102540-C | C-100502-KIT |
| 24 | Actuator with Set Screw | C-218221-1 |
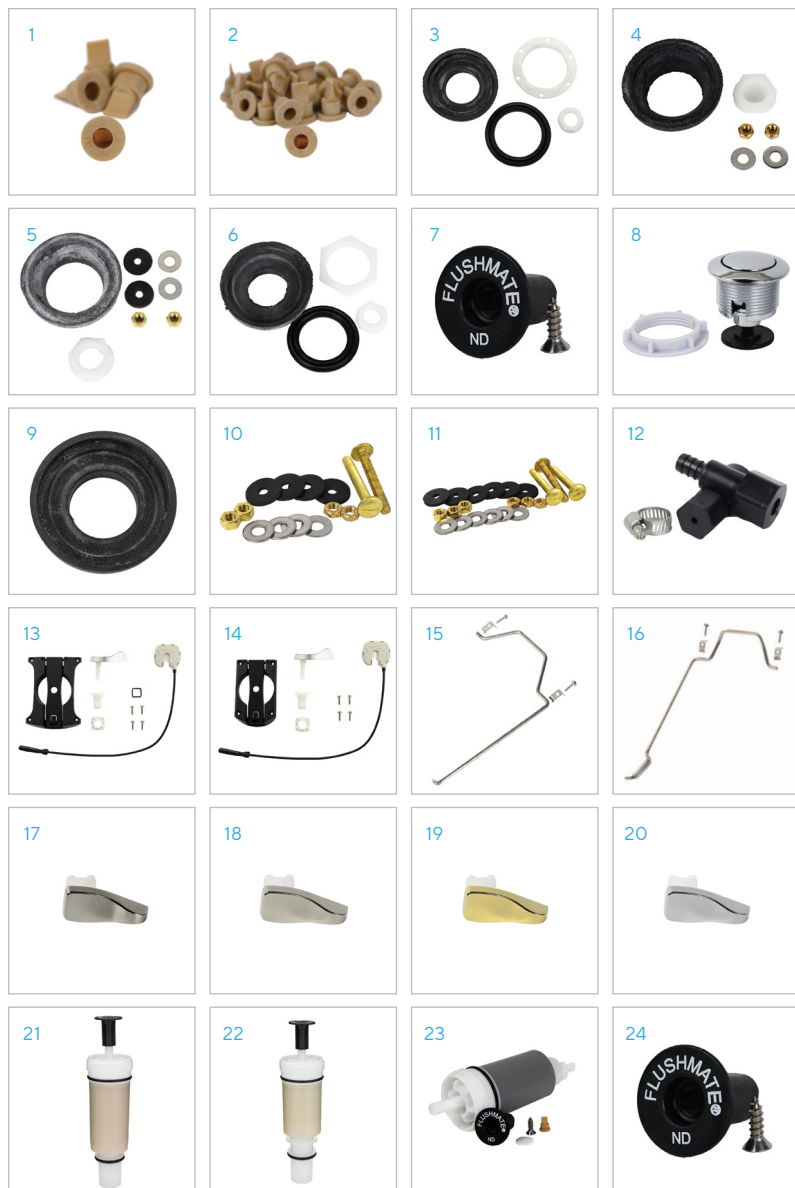
1



2



3



4



5



6



7



8



9



10



11



12



13



14



15



16



17



18



19



20



21



22



23



24

Use the Flushmate Part Finder for serial numbers not listed or to find compatible replacement parts: flushmate.com/parts

# Upgrade Kits

Switching to Flushmate® is simple. We've made it easy to replace other pressure-assisted brands to the Flushmate 1.6 gpf or 1.28 gpf systems.

Visit **flushmate.com/products/upgrade-kits** for complete list of replacement models.

**Flushmate III 503 Series Kit**
**# M-101526-F31K (1.6 gpf)**
Replaces
**Gerber PF/2 Energizer 150-403 1.6 gpf**

Fits these toilet models

| BRAND | MODELS |
|---|---|
| American Standard | 4142016 |
| Crane | 3612 |
| Eljer | 141-7000 |
| Zurn | EcoVantage |
| Peerless | Peerless 1 |

**Flushmate III 503H Series**
**Kit # M-101526-F3H1K (1.28 gpf)**
Replaces
**WDI EcoFlush 1.1/1.6 gpf**

Fits these toilet models

| BRAND | MODELS |
|---|---|
| Zurn | EcoVantage |
| American Standard | 4142100 |
| Crane | 31612 |
| Gerber | DF28-380 |
| Mansfield | 119 |
| Zurn | 1.1 gpf pressure-assisted tank |

# Tools

We have the right tools for the job.



Flushmate® 3-in-1 Discharge
Nut Wrench

ST100100



Cartridge Wrench

ST100500



Installation Tool Kit for Flushmate
System Maintenance

ST300500

Use the Flushmate Part Finder for
serial numbers not listed or to find
compatible replacement parts:

**flushmate.com/parts**

# Flushmate Upgrade Kit

## One-kit Wonder

Replace your pressure-assisted system with Flushmate®.



**Complete Flushmate System**

Includes the Flushmate III, 1.6 gpf system for two-piece toilets.

**Universal handle replacement**

The new universal handle is designed for mounting on either left-handle or right-handle toilets.

**Nuts and bolts**

Kit includes locknuts, gaskets, and necessary tools.

## Kit Includes

1. Frame and Lever  2. Handle  3. Bushing  4. Nut  5. Spacer
6. Screws (4)  7. Cassette  8. Cable with Barrel End and Disposable Cap
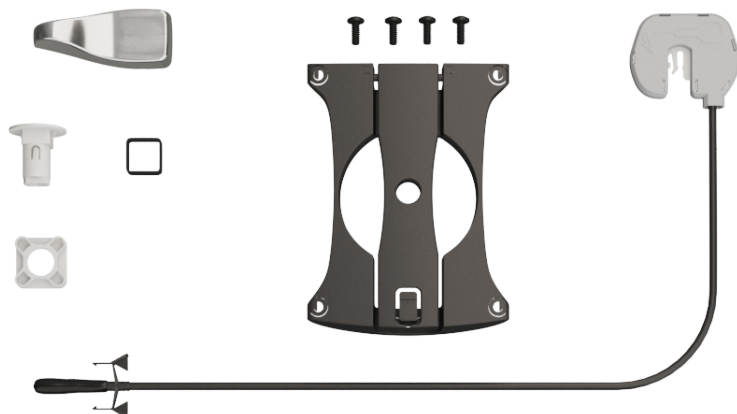
## Prior to Installation

Before removing existing handle, note its orientation. The new handle should be installed facing the same direction.

If you have a flush rod, clips, and screws, remove them before you start. Be careful not to drop parts into the tank.

The existing and new nut provided are left-hand thread (clockwise to loosen and counter-clockwise to tighten).

> **Tools Needed**
> No. 2 Phillips screwdriver, pliers

# Handle Replacement Kit Instructions
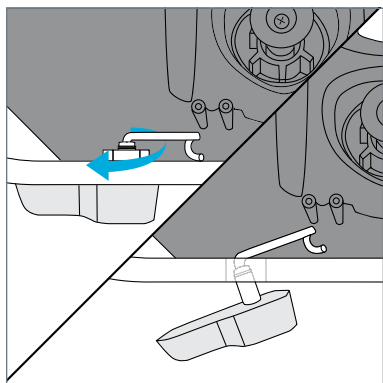


**1** To remove handle, loosen nut (inside tank). It is reverse thread. Pliers may be needed. Guide handle through opening to completely remove.
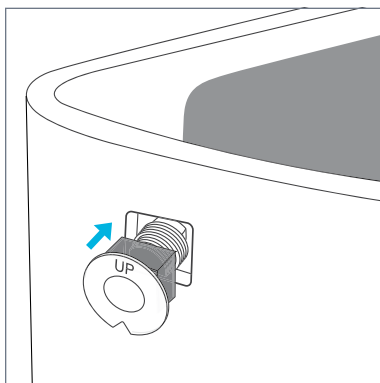


**2** Place black spacer on bushing. Orient and insert as shown. If bushing does not fit, remove the black spacer and re-insert bushing.
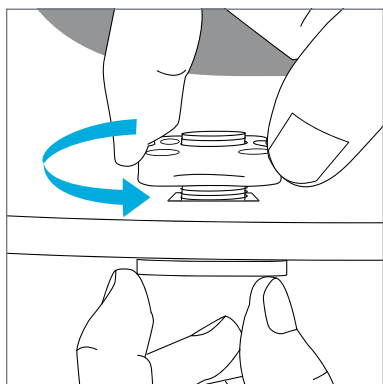


**3** Hand tighten nut snug around bushing (counter-clockwise).
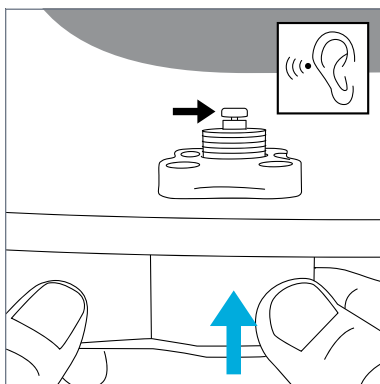


**4** Orient new handle in same direction as original. Insert until stem extends past bushing, as shown. You will hear/feel it click into place.
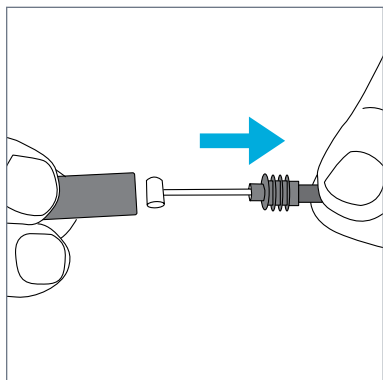
**5** Gently remove disposable cap from barrel end of cable and discard.
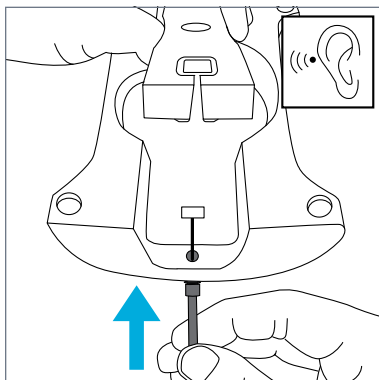
**6** Lift lever and push barrel end of cable up through hole on underside of frame until it clicks into place.
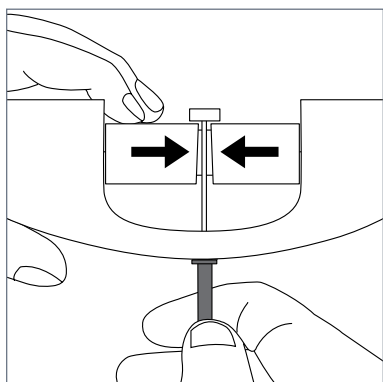
**7** Guide cable end into lever slot.
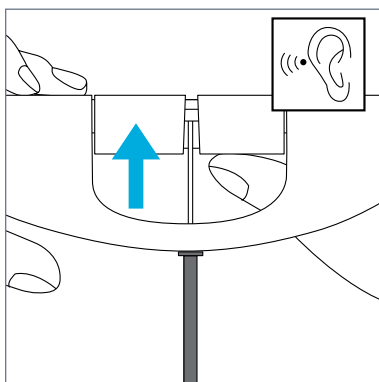
**8** Raise lever to seat white barrel into catch (you will hear it click).

**Continue** →

# Handle Replacement Kit Instructions
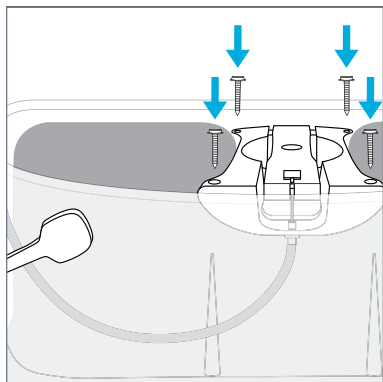


**9** Position the frame and lever with cable facing the front of the toilet tank (rest cassette on side of tank). Secure with (4) screws.
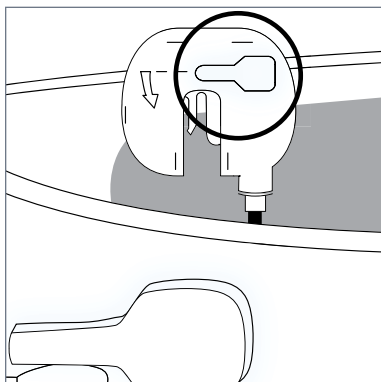


**10** Match handle icon (circled) on cassette to direction of actual handle, and lift handle to horizontal position.
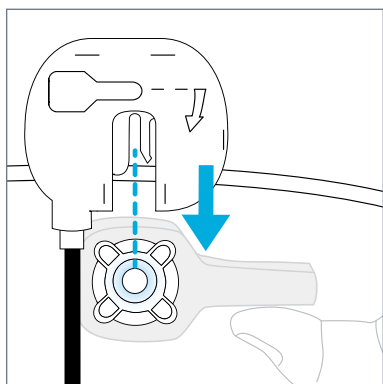


**11** Maintain alignment of cassette, and guide it down over protruding stem until it clicks into place. (Protruding stem is shown in step 4.)
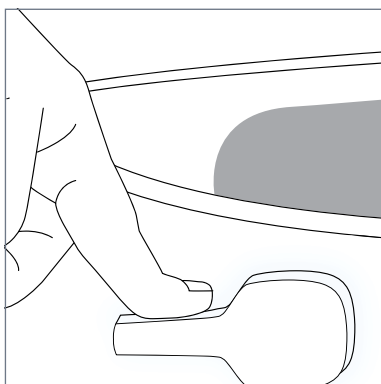


**12** Gently push handle to test movement. If it doesn't move properly, parts may be installed in the wrong orientation and you should verify that steps 2, 4, and 10 were completed correctly.
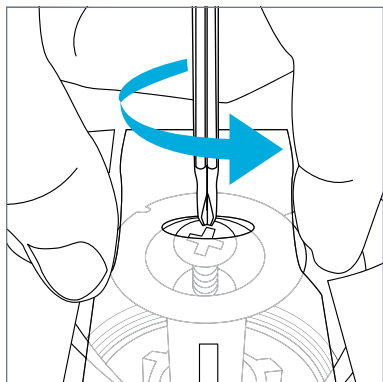
**13** To begin lever alignment, hold actuator in place and loosen (but do not remove) set screw.
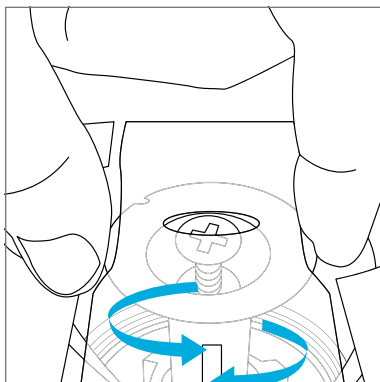


**14** Adjust actuator height. Turn UP (counter-clockwise) or DOWN (clockwise) to align lever and frame (see step 15).
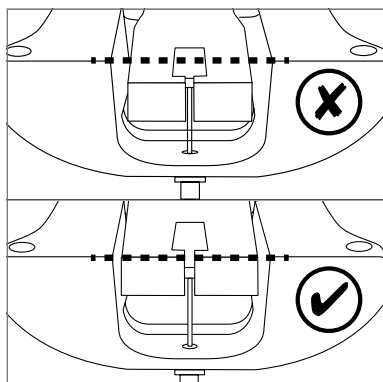


**15** Proper alignment of lever and frame is shown above.
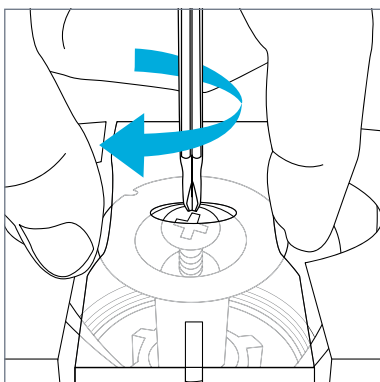


**16** Once properly aligned, hold actuator in place and tighten set screw to secure. Place toilet lid on toilet tank.
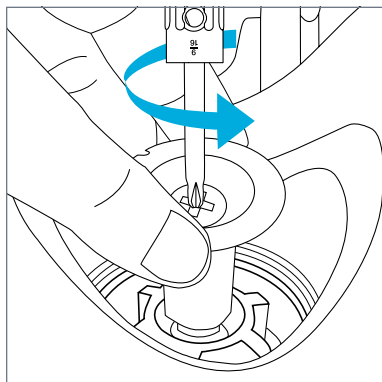
**Installation complete**

# Common Adjustments

Most troubleshooting issues can be resolved by common system adjustments of either the cartridge or the actuator.

**Please review the following pages for step-by-step instructions.**

# Actuator Adjustments

**1** Hold actuator in place. Use 4-in-1 tool to loosen set screw by turning counter-clockwise, approximately 4 rotations. Do not remove set screw.
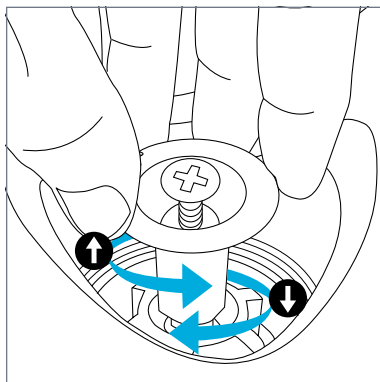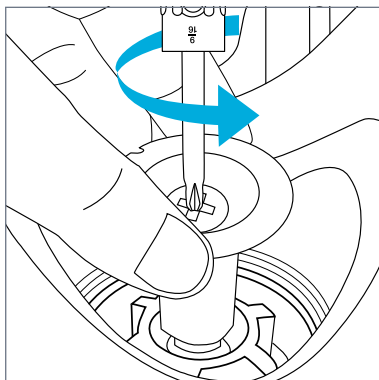
**2** Adjust actuator UP (counter-clockwise) if there is too much travel in push button, or if toilet does not flush completely. Adjust actuator DOWN (clockwise) if there is not enough travel in push button, or if toilet runs for more than 1 minute.
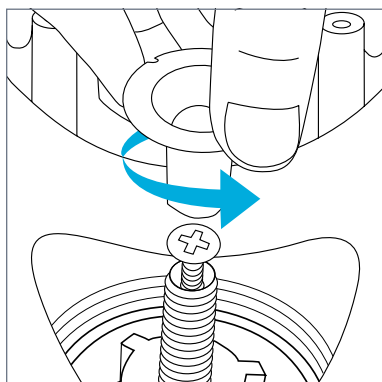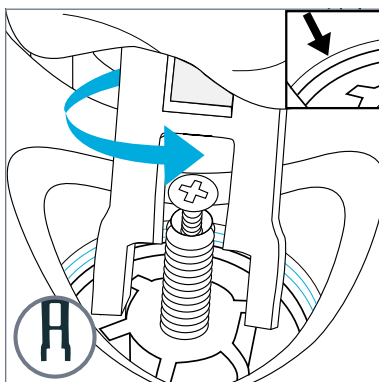
**Adjustment complete**

# Cartridge Adjustments
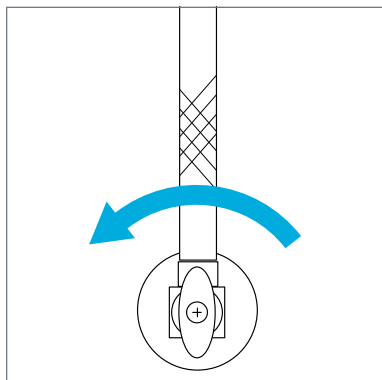
**1** Make sure water supply stop is completely OPEN.

**2** Hold actuator in place. Use 4-in-1 tool to loosen set screw by turning counter-clockwise, approximately 4 rotations. Do not remove set screw. Toilet may flush during this step.
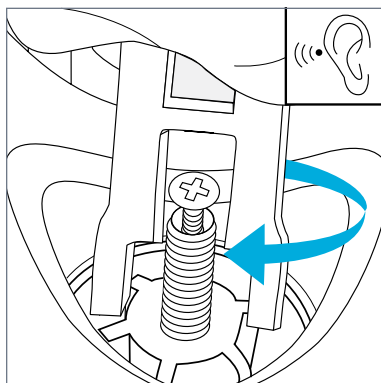
**3** Unscrew and remove actuator. Set aside to reinstall. Leave set screw in place.

**4** Use end of 3-in-1 wrench to turn flush valve cartridge counter-clockwise until only 1 black thread of the vessel is showing.
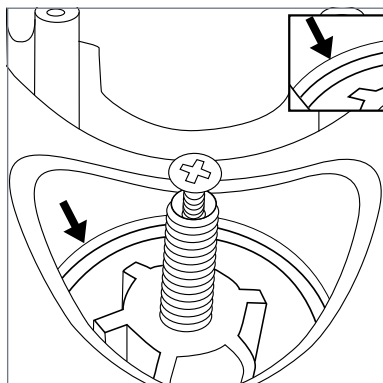
**5** After you complete raising the flush valve cartridge, confirm only 1 black thread of the vessel is showing.
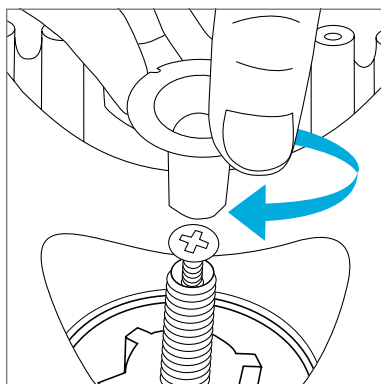


**6** Turn flush valve cartridge clockwise ¼ turn. Listen for the water to stop running. If necessary, continue making ¼ turns, waiting 30 seconds between each turn, until water stops running.
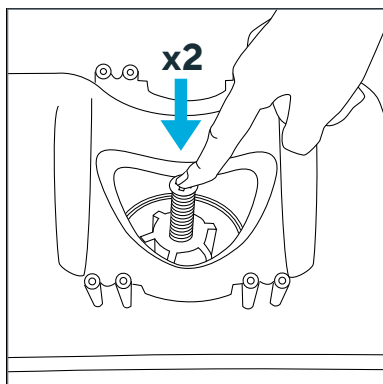


**7** Flush toilet twice, waiting 1 minute between flushes to test. Does the water stop running?

**YES** → Continue to step 8
**NO** → Repeat steps 4-7



**8** Reinstall actuator. After 2 unsuccessful attempts, contact Flushmate at 800.533.3460.

**Adjustment complete**

## Visit Our Website

Most questions can be quickly answered on the Flushmate® website—download technical documents, watch instructional videos, and order replacement parts.

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## Where to Buy

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## Installation Videos

Find helpful instructional videos on the Product Support section of our website:

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## Technical and Product Support

For information please email us at:

info@flushmate.com

Customer Support hours are Monday through Friday
9:00 AM - 5:00 PM EST
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