**DUO FLUSH™ VALVE OVERVIEW**

- Dual Action Handle
- Adjustment Screw
- Flush Handle Actuator
- Flush Valve Seat
- Snap-On Mount
- Dual Action Handle (Handle)
- Fill Valves
- Ballcock
- Flapper
- Overflow Pipe
- Flush Handle

**IDENTIFYING YOUR FLUSH VALVE SEAT**

- Flat Seat
- Angled Seat
- Raised Seat

**SECTION 1: PREPARING TO INSTALL THE DUO FLUSH™ VALVE**

- Step 1: Shut off the water supply to your toilet. Flush your toilet to drain the water from the tank. If necessary, sponge out any remaining water.
- Step 2: Remove the existing flapper, chain and flush handle assembly from your tank. When removing the FLUSH HANDLE, note that the LOCKNUT is typically reverse-threaded, so you need to turn it clockwise to loosen it.
- Step 3A: Identify the type of FLUSH VALVE SEAT you have in your tank. If your plastic FLUSH VALVE has a FLAT SEAT as pictured above, proceed directly to Section 3 on the back side of this instruction guide.
- Step 3B: If your plastic FLUSH VALVE has an ANGLED SEAT, locate the ANGLED SEAT ADAPTER. Follow the installation instructions below for Section 2.
- Step 3C: If your FLUSH VALVE is brass, please contact Fluidmaster technical support at (800) 631-2011 M-F 5:30 am - 5pm PST or replace brass flush valve with a 507A Fluidmaster FLUSH VALVE.

**PARTS OVERVIEW**

**DUO FLUSH™ Valve**

- The DUO FLUSH™ Valve saves water by allowing you to choose between half and full flushes.

**Angled Seat Adapter**

- The ANGLED SEAT ADAPTER is only necessary if you have a plastic ANGLED FLUSH VALVE SEAT.

**Dual Action Handle (Handle)**

- The DUAL ACTION HANDLE will allow you to flush UP for a half flush and DOWN for a full flush.

**SECTION 2: INSTALLING THE ANGLED SEAT ADAPTER (IF NEEDED)**

- Angled Flush Valve Seat
- Angled Seat Adapter

**Angled Flush Valve Seat**

- This device is not intended to be used as a retrofit device for 1.28 or 1.0 gpf toilet. Performance may vary since product was not tested on every single version or model of water closets.

**Angled Seat Adapter**

- The ANGLED SEAT ADAPTER is only necessary if you have a plastic ANGLED FLUSH VALVE SEAT.

**TROUBLESHOOTING: FOR ANGLED SEAT ADAPTER INSTALLATION**

**INCOMPATIBILITIES / SPECIAL NOTES**

- The systems and components shown here are not compatible with the Fluidmaster DUO FLUSH™ Valve.

- This device is not intended to be used as a retrofit device for 1.28 or 1.0 gpf toilet. Performance may vary since product was not tested on every single version or model of water closets.

**WARNING**

- Do NOT REMOVE SEALANT RING above.
- Do NOT REMOVE SEALANT RING on the bottom of the adapter.

**IMPORTANT:** Installation recommendations below: If the SEALANT RING is not properly applied, leak(s) will occur.

**A:** The SEALANT RING needs to cover the ribbed areas around the entire ANGLED SEAT ADAPTER (RIBBED SURFACE SHOWN WITH ARROWS).

**B:** Ensure that the SEALANT RING “hugs” the wall of the adapter well causing it to deform from its original shape - this will not provide adequate coverage on the surface of the adapter as shown with arrows.

**C:** Sealant ring is too hard and high against the adapter wall causing it to deform from its original shape - this will not provide adequate coverage on the surface of the adapter as shown with arrows.

**D:** Sealant ring is not close enough to wall of adapter - to correct this, reposition the sealant ring as shown above.

**E & F:** Ensure sealant ring provides coverage at front of opening as shown in Photo E & F.
SECTION 3: INSTALLING THE DUO FLUSH™ VALVE

Step 7: Remove foam around ADJUSTMENT DIALS.

Step 8: Locate white arrow on SNAP-ON MOUNT and align it facing the OVERFLOW PIPE. Do not install yet.

Step 9: Press DUO FLUSH™ onto seat.

SECTION 4: INSTALLING THE DUAL ACTION HANDLE

Dual Action Handle

Collar

Locknut (Turn counter-clockwise to tighten)

Handle Actuator

Flush Cable

SECTION 5: WATER LEVEL ADJUSTMENT: FULL FLUSH

Step 10: Insert the HANDLE into toilet hole. LEVER GASKET (optional) will be added if too loose.

Step 11: Unthread LOCKNUT in a clockwise rotation on HANDLE.

LEVER GASKET (Optional)

THE FLUSH HANDLE SHOULD BE MOUNTED HORIZONTALLY

SECTION 6: WATER LEVEL ADJUSTMENT: HALF FLUSH

Step 12: Insert the HANDLE into toilet hole. LEVER GASKET (optional) will be added if too loose.

Step 13: Install nut when screwed into place.

Step 14: Ensure that the HANDLE is positioned horizontally before snapping into HANDLE ACTUATOR.

Step 15: Attach HANDLE ACTUATOR to the COLLAR on HANDLE by pressing the BLUE BUTTON on top of ACTUATOR down, then inserting COLLAR into ACTUATOR and releasing the button.

Duo Flush™ Troubleshooting

1. Tank Lid Interference on Half (Upward) Flush

Problem: Tank lid hits tank lid

Solution: Remove handle actuator by holding the top end of actuator and press BLUE BUTTON to release. DO NOT pull on FLUSH CABLE when removing the handle actuator.

Rotate handle downward and reinstall actuator onto handle. It tank lever does not properly on your toilet tank, for further help visit www.fluidmaster.com or call Fluidmaster Technical Support at (800) 631-2011 M-F 5:30 am - 5:00 pm PST.

2. Seal Leaking

Problem: The seal continues to leak water causing water loss in the tank.

Solution: Remove the handle actuator by holding the top end of the actuator and press BLUE BUTTON to release. Grab the top of the Duo Flush and gently rock (away from fill valve) and pull up on Duo Flush. Once released clean seat and inspect piston seal at bottom ensuring the seal is centered on piston. Rotating Duo Flush and handle actuator. Turn on water and recheck water level for leaking if necessary

3. Unused Parts

Problem: Why do I have parts left over from my kit?

Solution: Depending on the type of flush valve you have identified, you may have additional parts which may include an angled seat adapter.

4. Half flush will not adequately remove waste

Problem: Why do I have parts left over from my kit?

Solution: Depending on the type of flush valve you have identified, you may have additional parts which may include an angled seat adapter.

5. Full flush will not adequately remove waste

Check water level. Move the FULL FLUSH ADJUSTMENT DIAL (Blue) to a higher number to allow more water to be flushed. Water level must be higher than bottom of oval opening on the side of the Duo Flush™.

6. Other

Problem: Tank lid interference on your toilet tank, for further help visit www.fluidmaster.com or call Fluidmaster Technical Support at (800) 631-2011 M-F 5:30 am - 5:00 pm PST.

For further help visit www.fluidmaster.com or call Fluidmaster Technical Support at (800) 631-2011 M-F 5:30 am - 5:00 pm PST.

More Information

Please call technical support first if you need assistance.

Do not return product to the store.

Please call technical support first if you need assistance.

Please call technical support first if you need assistance.

Please visit our website at www.fluidmaster.com for more information.

5 YEAR LIMITED WARRANTY

Subject to the “Exclusions” set forth below, Fluidmaster Inc. promises to the consumer to repair, at its option, any part of this plumbing product which proves to be defective in material or manufacture for five (5) years from the date of purchase. All costs of removal, transportation and reinstallation necessary to repair such defect shall be paid by Fluidmaster Inc. within said five (5) year period.

EXCLUSIONS: Fluidmaster Inc. shall not be liable for incidental, consequential damages. Including costs of installation, water damage, personal injury or for any damages resulting from abuse or misuse of the product, or for any damages resulting from failure to follow instructions accompanying the product, or from Fluidmaster Inc. parts used on any other than Fluidmaster Inc. products. This warranty does not apply to products that have been subject to or involved in a vehicle accident, subjected to abnormal use. ADOPTION, ALTERATION, MODIFICATIONS), or are used in an application intended for an industrial setting. No person, agent, or employee of Fluidmaster Inc. is authorized to make any extension or modification of this warranty, or to assume for Fluidmaster Inc., any liability in connection with the sale of this product.

For further assistance, please visit www.fluidmaster.com.