

# Cyclone™, Dual-Max™, E-Max™, G-MAX™ & Power Gravity® Fill Valves

TSU06A.4, TSU07A.5, TSU08A.6, TSU08A.11, TSU09A.8, TSU16A, TSU17A, TSU18A, TSU19A, TSU22A.11

## FILL VALVE SERVICE INSTRUCTIONS

### TOILET TANK FILL VALVE INSTRUCTIONS

Cyclone™ / Dual-Max™ / E-Max™ / G-Max™ / Power Gravity®

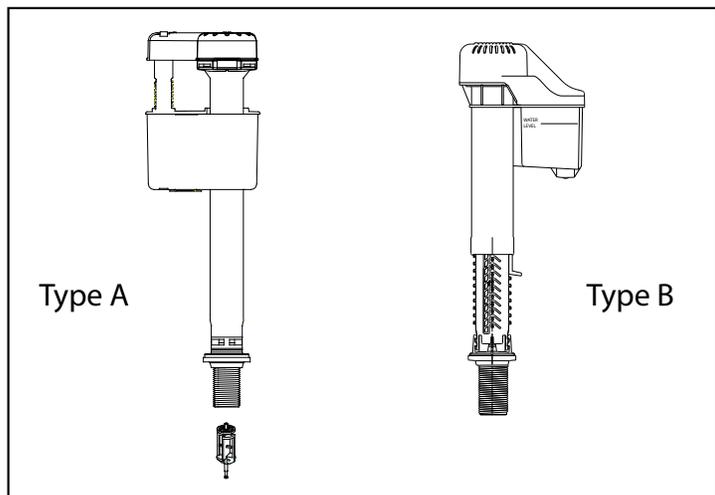
#### WARNING! DO NOT USE IN-TANK BOWL CLEANERS

The use of high concentration of chlorine or chlorine-related products can seriously damage fittings in the tank. This damage can cause leakage and property damage. • TOTO® shall not be responsible or liable for any tank fitting failure or damage caused by the use of in-tank bowl cleaners.

NOTE: Fill Valve Height has been preset at the factory and DOES NOT require any height adjustments.

### Fill Valve (Overview)

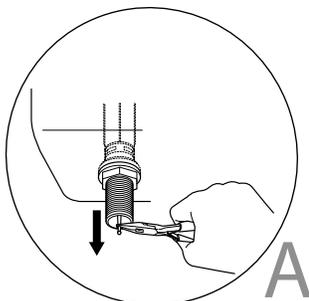
Depending on the manufacturing plant, you may have one of the following fill valves.



### SERVICING INSTRUCTIONS - TYPE A

NOTE: Due to water conditions in your area, the strainer may require periodic cleaning. An indication that the strainer requires service can be seen in a delayed fill cycle, intermittent fill cycle, or inadequate amount of water flow from the refill tube.

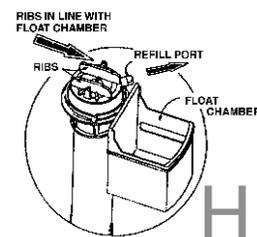
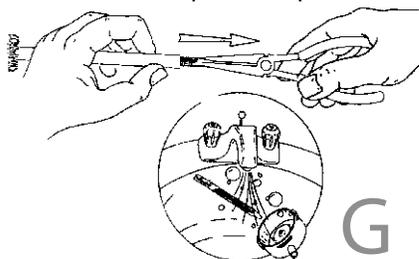
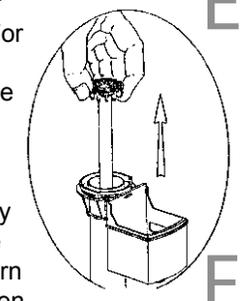
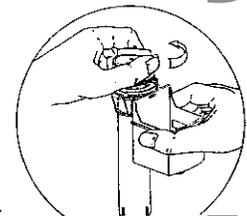
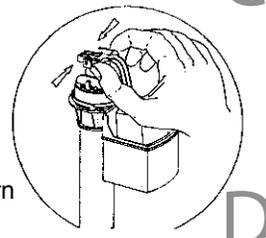
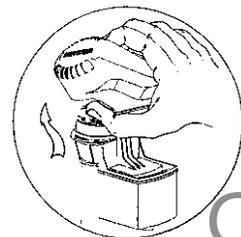
1. Shut OFF the water supply and flush the toilet.
2. Remove the water supply line from the fill valve and catch the remaining amount of water in the fill valve with a small bowl or hand towel.
3. Remove the strainer with needle nose pliers or your fingers--see balloon A.
4. Wash the strainer under running water--see balloon B. You may use a soft tooth brush to help remove debris from the screens.
5. Reinstall the parts in a reverse manner.
6. Turn the water ON and check for leaks and operation. For additional help call the phone number listed below.



### SERVICING INSTRUCTIONS - TYPE B

NOTE: Due to water conditions in your area, the fill valve may require periodic cleaning. An indication that the fill valve requires service can be heard in strange noises emitting from the fill valve, typically at the end of the fill cycle. Another sign is the fill valve's inability to turn the water supply off, allowing the water in the tank to spill into the overflow pipe. Service the fill valve, as follows.

1. Shut OFF the water supply and flush the toilet.
2. Remove the rubber refill tube from the fill valve. A twisting manner may help ease removal.
3. Snap off the blue cover. Use your thumb under the tab on the blue cover helps removal as shown in balloon C.
4. Similar to using tweezers, pinch the arms of the float to allow its removal. Lift up to remove--see balloon D.
5. Grasp the diaphragm cap and rotate 1/8 turn counter-clockwise to remove. Use your thumb or index finger as leverage against the nipple to help turn the cap --see balloon E.
6. Pull out the strainer tube as shown in balloon F. A twisting motion may help with removal.
7. Remove the white strainer from the strainer tube with needle nose pliers as shown in balloon G. Use a twisting motion to help with removal.
8. Rinse all parts (diaphragm cap, strainer tube, strainer, etc.) under running water to clear any debris, residues, or films. For rubber parts, you may use a soft brush and/or liquid hand soap. Be sure to rinse away all residue of the soap. At the bottom of the float chamber is a white check ball. You can clean this ball with a brush from the underside. To flush any remaining debris from the portion of the fill valve that is left in the tank, slowly turn the water ON until no more debris is seen leaving the fill valve. Use your hand or a small inverted cup to help divert the water back into the tank.
9. Reinstall the parts in a reverse manner. Refer to balloon H.
10. Turn the water ON and check for leaks and operation. For additional help call the phone number listed below.



TOTO® U.S.A., Inc. • 1155 Southern Rd, Morrow, GA 30260  
Tel. (888) 295-8134 • Fax (800) 699-4889 • www.totousa.com  
TOTO® U.S.A., Inc. is a wholly owned subsidiary of TOTO LTD.®  
Printed in the U.S.A. 1998 by TOTO LTD. © 2/00 REV.01/06 P/N OGU014.

**TOTO®**