

# PROBLEM SOLVING & MAINTENANCE SUGGESTIONS:

## NO LIGHTS - NO POWER

Check that the four "AA" batteries are positioned properly in the battery holder. Use the +/- signs on the batteries and the +/- signs on the battery holder for correct positioning.

If the batteries are positioned correctly, but there are still no lights, replace with four new "AA" Alkaline batteries (see Battery Replacement on page 7).

**NOTE:** DO NOT USE EXCESSIVE FORCE to close the inlet stop stem. We RECOMMEND that the flushometer be flushed while closing the inlet stop. The noise created by the water flow or the flow into the fixture will stop when the inlet water is shut off.

**NOTE:** Always use DELTA COMMERCIAL GENUINE PARTS to maintain the warranty.

## EXCESSIVE NOISE:

1. PARTIALLY close the inlet stop.
2. Pressures OVER 75 PSI may lead to an increase in NOISE, water could SPLASH out of the fixture more easily and the LIFE of any plumbing valve may be SHORTENED.
3. INSTALL a Pressure Reducing Valve set at a lower pressure if actual pressure is over 75 PSI. While the TECK Flushometer will operate up to 125 PSI, the preferred operating range is between 35 to 65 PSI.
4. On flushometers that have been installed for a number of years, check the Renewable Seat (062007A, item #10) for wear and replace if necessary.

## EXCESSIVE WATER FLOW RATE:

1. OPEN inlet stop ONE TURN and adjust Regulating Screw (061024A, item #6a) to the fixture requirement (except on -05, -42 and -48 models which are fixed volume).
2. Operation of flushometer with inlet stop BELOW ONE TURN OPEN may cause EXCESSIVE NOISE. The lowest open setting for the inlet stop may vary dependent on the installation.

## SHORTAGE OF WATER TO PROPERLY FLUSH BOWL:

1. OPEN inlet stop fully.
2. CHECK pipeline for size or obstruction, partially closed gate or other supply line valve, corroded or undersize water piping.
3. CHECK water pressure.
4. Water flow rate is determined by BOTH the water pipe size AND the water pressure available.
5. A water closet flush valve requires a minimum water supply of 1" (or larger), depending on a number of different factors including water pressure (PSI) available, pipe size and length of pipe run, number of fixtures per washroom and per building, fixture type, fixture usage factor, elevation of valve above the water main, etc. We strongly recommend that pipe size calculations be done to insure proper water supply sizes.

Flushometers do NOT provide a water supply; they are merely automatically timed self-closing valves. The inlet supply piping is the water reservoir that must supply sufficient water volume in a short period of time (4 to 10 seconds) to properly flush and clear the fixture.

## CONTINUOUS FLUSHING:

1. The Regulating Screw (061024A, item #6a) may be turned RIGHT (clockwise) TOO FAR. Adjust by slowly turning the Regulating Screw LEFT (counter-clockwise) (except -42, -48 and -05 models which are fixed volume).
2. If flush is still continuous, close inlet stop, remove Regulating Screw (061024A, item #6a), CLEAN bypass slot in the Screw, REPLACE it in the valve and ADJUST slowly for proper flush (except -42, -48 and -05 models which are fixed volume).
3. Remove cap assembly (item #7b) and Diaphragm/Guide Assembly (061323A - W/C item #9a or 061324A - UR item #9b), check for contaminants at renewable seat (item #10) and diaphragm and check for debris in the cap for blockage. Also CHECK that the Diaphragm/Guide slides easily in the Renewable Seat.

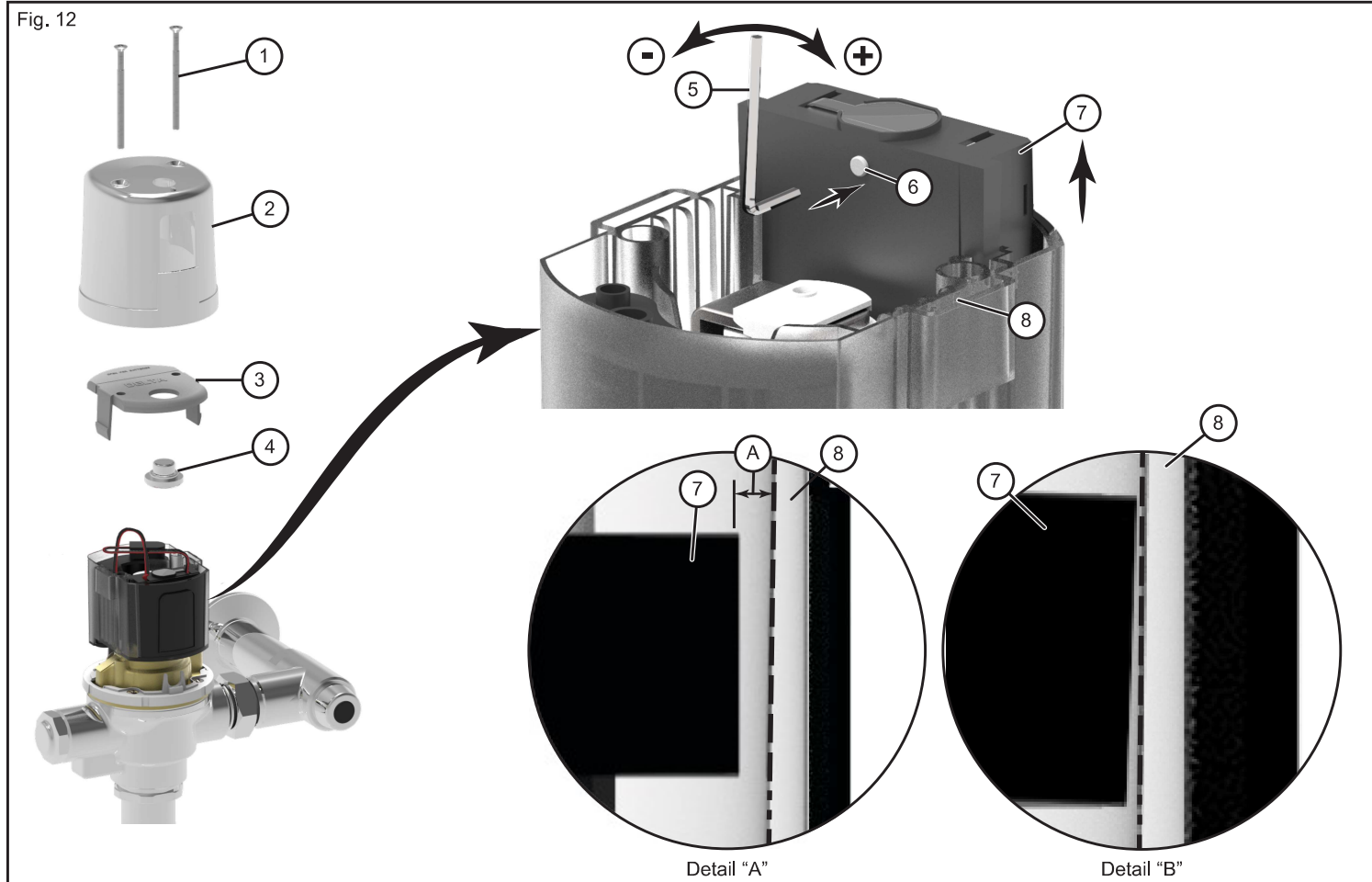
## VALVE WILL NOT FLUSH:

1. When the valve has been taken apart for servicing and re-assembled and does NOT operate, check that the Cap has been put on the body properly. The Regulating Screw (061024A, item #6a) should always be on the same side as the inlet stop.
2. When all lights operate as expected but valve will not flush, check that the solenoid makes a clicking sound. If no clicking sound is present, then replace with cap/solenoid & regulating screw assembly (item #6b).
3. After a number of years, the valve will flush but shuts off immediately when activated. The Diaphragm (060079A-MMO, item #9c) is worn or split and needs replacing.

## SLIGHT WATER LEAK INTO FIXTURE:

1. EXAMINE the seating surface of the Diaphragm (060079A-MMO, item #9c) for imbedded sediment.

Fig. 12



#### INADVERTENT FLUSHING (see Figure 12)

1. Check for the presence of a mirror or reflective surface across from the flushometer.
  2. Cover the reflective surface by standing in front of it or with paper, if this resolves the inadvertent flushing then:
  3. Follow the instructions "Making Adjustments to the Electronic Features" on page 5, to reduce the sensor range until inadvertent flushing is resolved. If this does not resolve the inadvertent flushing proceed to step 4.
  4. Remove the two cover screws (1), metal cover (2), cap (3) and electronic override button (4).
  5. Raise the board (7) up out of the box to get access to the adjustment screw (6).
  6. Using a 1/16" hex key (5) turn the adjustment screw (6) located on the top of the board (7). Turn the screw counter-clockwise  $\ominus$  to decrease the angle (A) or clockwise  $\oplus$  to increase the angle, see "Detail A".
- CAUTION: DO NOT** let the board (7) touch the plastic housing (8), as shown in "Detail B". Maximum screw rotation is approximately 2-1/2 turns.
7. If the cover of the board becomes detached, rotate the screw clockwise until it can be reattached and repeat step 6, taking care to ensure you do not over adjust the screw.

## CLEANING INSTRUCTIONS

CLEAN the outside of the chrome plated flushometer with a damp cloth.

**CAUTION:** MOST Tub & Tile fixture cleaners contain ACIDS. DO NOT WIPE the cloth used to clean ceramic fixtures over the flushometer as it will remove the chrome plating and leave a discoloured surface.