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## MODEL 850-DIGB VALVES

- I. VALVE WILL NOT SHUT OFF
  - A. If there is a continuous stream of water exhausting to atmosphere from an opening in the valve body located under the solenoid, then the solenoid plunger is failing to seat properly. Disassemble and check for stuck plunger and/or debris in solenoid cavity (see SOLENOID DISASSEMBLY INSTRUCTIONS, page 2).
  - B. If there is not a continuous stream of water exhausting to atmosphere from an opening below solenoid, unscrew the compression fitting from elbow at top of solenoid assembly. With the water supply open to valve, if water exhausts from tubing, proceed to #1 below. If water does not exhaust from tubing, proceed to #2 below.
    - 1. Unscrew valve actuator assembly from valve body and check for debris under seat of valve. Replace seat washer if damaged.
    - 2. Unscrew T filter ("#97" in explosion diagram) from T filter assembly and clean or replace as necessary.
  
- II. VALVE WILL NOT OPEN
  - A. Check solenoid. When solenoid is energized there should be a slight vibration and humming noise. Place your hand on solenoid coil. If there is not vibration and/or humming, then one of the following problems exists: 1) No station output at controller, 2) cut wire between valve and controller, 3) bad solenoid coil. To replace solenoid coil, follow instructions in SOLENOID DISASSEMBLY INSTRUCTIONS, page 2.
  - B. Check flow control. If it is turned down all the way, open it up by turning flow control handle counter-clockwise.
  
- III. DURING THE TIME VALVE IS ENERGIZED, A CONTINUOUS STREAM OF WATER EXHAUSTS FROM OPENING IN VALVE BODY BELOW SOLENOID
  - A. Disassemble solenoid and check for and remove any debris in plunger cylinder (see SOLENOID DISASSEMBLY INSTRUCTIONS, page 2).
  - B. If problem continues after solenoid has been cleaned, replace solenoid plunger.

## SOLENOID DISASSEMBLY INSTRUCTIONS

1. Unscrew compression fitting from elbow at top of solenoid.
2. Unscrew spacer nut ("#14" in explosion diagram). It is not necessary to unscrew elbow from spacer nut.
3. Remove solenoid coil and frame from post by pulling straight up. Coil and frame will slide off of post.
4. Unscrew solenoid post from valve body. Caution: solenoid plunger will drop out of cylinder at bottom of solenoid post. Take care to prevent plunger from falling to ground.