Instrument Failure

1. Check All generator fuses
2. Error Code 30 common faults
   a. Doors not shut
   b. CFF not cleared
   c. LED’s not coming on
   d. S1 & S2 out of alignment
   e. Rip cord is detached
   f. S655 and S656 are not ok
   g. Goiniometer is not initialized
   h. Bad Powder
   i. Water Flow
   j. BAD HV B-20 card
3. D8 tools indicate a 24V/AC alarm
   a. Bad fuse
4. Bad Floppy in D8 controller
5. Error code 1
   a. Bad tube
   b. Bad cable
   c. Bad fuse(s) in generator
      i. F2 fuse bad
   d. Inverter in Generator
6. Error Code 5
   a. Bad B-20 card
      i. Replace capacitor on board
7. Error code 22
   a. Reset circuit breaker on generator
8. Error code 53
   a. Software reset of parameters in generator
   b. Select EDIT – Parameter OK
      i. GET PARAMETERS
ii. Hold down all 4 generator buttons for test

9. Flow rate < 1
   a. Flow switch is plugged

10. LED on standby flashes
    a. Water is contaminated

11. Ready light LED will not come on
    a. Fusers f6 and f7 are bad

SHUTTER FAILURE ON SMART

1. Main shutter will not open or will only open with override key.
   a. Rotary shutter error. Depress buttons on shutter and wait for green light.

2. Main shutter opens but then shuts immediately.
   a. Bulb on tube housing burned (12V .06A T1 MINIATURE FLANGE BASE). Replace bulbs

SHUTTER on APEX

1. Check D8 tools.

2. S1 & S2 adjustment (see how-to-adjust-s1&s2)

3. Shutter will not close
   a. B103 board is bad

4. Rip cord detached