

## 26 Point Tonometer Check

1. Analyze the tonometer
2. 2 Completely disassemble
3. Wire brush yoke
4. Flatten scale, clean with eraser
5. Wire brush, buff & clean pointer anvil assembly, completely refinish if necessary
6. Check jewel, re-blue or red nail polish pointer
7. Check frame support-if loose solder
8. Lightly ream inside foot plate, buff outside, use hard bob on curve
9. Buff and clean plunger, use hard bob on curve
10. Disassemble handle, buff, clean, reassemble handle
11. Wire brush & clean 5.5 weight
12. Buff test block
13. Clean case and auxiliary weights
14. Check each weigh on tonometer for fit – if C or # does not appear on weights, then check for accuracy:  
7.5 should weigh 2 grams +/- 20mg  
10 should weigh 4.5 grams +/-20mg,  
15 should weigh 9.5 grams +/- 20mg
15. Thread frame, hone post hole, install dial posts
16. Reassemble pointer anvil
17. Weigh tonometer parts including 5.5 weight, excluding handle to 16.5 grams +/- 500mg, record reading
18. Reassemble tonometer, adjust to 0 on master test block
19. Check scale ratio on micrometer, adjust by bending frame support (high bend right, low bend left)
20. Check scale reading at 10 on scale with 5 gram weight, record reading +/- 250mg, check sale reading at 5 on scale with 5 gram weight, record reading +/- 150, both weights must coordinate
21. Test on block
22. Test on monometer at 3 and 10
23. Engrave C on all weights
24. Test on test block
25. Engrave last three or four digits of serial number on 5.5 weight
26. Wipe off foot plate