

“REPAIRS YOU CAN DO”

TROUBLESHOOTING, TOOLS NEEDED, AND PERFORMING THE JOB

CLARINET, ALTO CLARINET, AND BASS CLARINET

1. Check the pads with the D35 feeler gauge.
2. Replace pads with the L56 Micro torch, D44 pin vise, VPSK Valentino sampler, A983 stick shellac, E33 pad slick, and D35 feeler gauge.
3. Adjust the bridge key with the T1671 duckbill pliers.
4. Adjust the crow's foot, or B and C adjustment with left hand pinky, with the T1671 duckbill pliers and E33 pad slick.
5. Test for leaks using the blow test. Any kind of sterile medical tape will do.
6. Adjust the ring height with the E33 pad slick.
7. Replace broken tenon corks with the VPSK Valentino sampler kit and T5020 bench vise.
8. Replace silencer corks with the R76 pad and cork cement, or H70 quick dry cork CONTACT cement, Cooper razor blades, and Cooper key cork assortment.

FLUTE

1. Check the pivot points with the F66 and F67 swivel top screwdriver.
2. Adjust the flute, and check the pads with the D35 feeler gauge and F66 swivel top screwdriver.
3. Use the BLUE Cooper loc-tite for loose pivot screws and adjustment screws.
4. Check and tighten the head cork with the Cooper flute rod and T1730 slip joint pliers.
5. Replace the head cork with the T1730 pliers, R76 cork and pad cement, Cooper sand paper, A474 flute head cork, T5020 bench vise, and cork grease.
6. Expand the foot and head tenons with the T1408 flute expander and the T5020 bench vise.
7. Shrink the tenon with the T1409 shrinking die.

SAXOPHONE

1. Check the octave key adjustments with the D35 feeler gauge.
2. Check the pads with the T1052 leak light, or the D35 feeler gauge.
3. Replace bumper felts using the R76 cork and pad cement and Cooper felt assortment.
4. Add cork slivers to fix a leak using the D35 feeler gauge, R76 cork and pad cement, Cooper cork assortment, one of the Cooper blades, and D44 pin vise.
5. Replace key pearls with the R76 pad and cork cement and Cooper pearl assortment.
6. Adjustments on the saxophone.

BRASS INSTRUMENTS

1. Pull stuck mouthpieces with the G88 mouthpiece puller, F5 rawhide mallet, and possibly the L56 micro torch.
2. Check water keys for leaks with the D35 feeler gauge.
3. Replace water key corks with the D35 feeler gauge and the Cooper water cork assortment.
4. Remove frozen valve caps with the F5 rawhide mallet.
5. Replace water key springs with the A356 and A354 water key springs.
6. Solder broken joints with the L56 Micro torch and Cooper soft solder kit.
7. Adjust the 2nd valve slide tubes on the trumpet when the horn is placed, or dropped, on the wrong side.
8. Swab the valve casings and lube sluggish valves with the Cooper flute rod, WD40, valve oil, and flannel square.
9. Swab trombone slides with the Cooper trombone cleaning rod, WD40, flannel square, and T5020 bench vise.
10. True a mouthpiece shank with the Cooper mouthpiece trueing tool, F5 rawhide mallet, and T5020 bench vise.

TOOLS, SUPPLIES, AND PRICES.

1. D35 feeler gauge \$25.80
2. L56 micro torch \$63.00
3. E33 pad slick \$3.60
4. D44 pin vise \$6.75
5. H70 contact cement \$4.00
6. H70S contact cement solvent \$4.75
7. F66 deluxe swivel top screwdriver \$15.00
8. F67 deluxe swivel top screwdriver \$15.00
9. F72 deluxe swivel top screwdriver {LARGE} for sax, bass clarinet, bassoon pivot screws \$24.00
10. G88 mouthpiece puller \$78.00
11. F5 rawhide mallet \$12.00
12. A983 stick shellac \$4.00
13. T1671 duck bill pliers {smooth jaw} \$30.00
14. T1730 deluxe slip joint pliers \$30.00
15. T5020 bench vise \$28.00
16. T1408 flute expander \$61.50
17. T1409 flute tenon shrinking die \$61.00
18. A356 water key spring 12@ \$6.00
19. A354 water key spring {the inside spring on Conn water keys} 12@ 6.00
20. T1606 screw driver set {plastic handles} set of 6 \$26.50
21. VPSK Valentino sampler kit {pads, corks} \$129.50
22. Medical tape \$4.50
23. Cooper razorblades {5 blades} \$4.00
24. Cooper key cork assortment and flute head cork \$4.00
25. Cooper loc tite {blue} \$7.50
26. Cooper flute rod #17001 \$4.00
27. Cooper sand paper assortment \$2.00
28. Selmer cork grease #6029 \$3.00
29. Cooper felt assortment {sax bumper, disk, top cap} \$4.00
30. Cooper key pearl assortment {6 pearls} \$4.00
31. Cooper water cork assortment {12 corks} \$5.00
32. Cooper soft solder kit {contains flux, soft solder, and sand paper} \$12.00
33. WD40 \$2.50
34. Cooper valve oil #6009 \$3.00
35. Flannel squares {10 4"4" squares} \$5.00
36. Cooper trombone cleaning rod #17003 \$7.50
37. Cooper mouthpiece trueing tool #3028 \$25.95
38. Allied supply leak light #T1052 \$140.00