

Band and Orchestra Repair Price List & Guide

Bench Rate

Services or repairs which do not have a fixed rate will be billed at the bench rate of \$105 per hour, with a minimum charge of \$40.

Fixed Rates

Most common services and repairs have a fixed rate listed in the sections below.

Some repairs or services can present unexpected complications and may require additional labour charges beyond the fixed rate, in these cases you will be contacted with a revised estimate.

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Instrument Repair Rates

Flute & Piccolo

- We will provide estimates only if the repair will exceed \$150.
- All prices listed below include parts.

	DESCRIPTION OF REPAIR	TOTAL E	STIMATE
# 1	 Clean and seat necessary pads 	Flute	\$105
Play Condition	Precision key adjustment	Open Hole	\$120
	 Tuning cork checked and adjusted 	Piccolo	\$120
	Oil and play test.		
# 2	Minimal cleaning	Flute	\$160
Minor Alignment	 Replace necessary pads (up to three) 		
	 Replace necessary key corks 	Open Hole	\$175
	 Clean and seat all pads 		
	Precision key adjustment	Piccolo	\$175
	Tuning cork checked and adjusted		
	Oil and play test.		
#3	Major cleaning	Flute	\$270
Major Alignment	Hand polish body and keys		
	 Replace necessary pads (four to eight), 	Open Hole	\$310
	Replace necessary key corks		
	Minor joint refitting	Piccolo	\$310
	Clean and seat all pads		
	Precision adjust, oil, and regulate keys		
	Tuning cork adjusted or replaced		
	Play test.		
# 4	Ultrasonic or chemical cleaning	Flute	Est.
Overhaul (student	Silver dip and hand polish body and keys		
level)	Replace all pads	Piccolo	Est.
	Replace all key corks		
	 Springs replacement where necessary 		
	Dents removed		
	Joints refitted		
	Clean and seat all pads		
	Precision adjust, oil, and regulate keys		
	Tuning cork replaced		
	Play test.		
Add \$25 for instrur	nents with B foot.	<u>l</u>	

Add \$25 for instruments with B foot.

Professional instruments by estimate only.

Clarinet, Oboe & Bassoon

• We will provide estimates only if the repair will exceed \$150.

• All prices listed below include parts.

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# 1			
#1	Clean and seat necessary pads	Bb Clarinet	\$105
Play Condition	Adjust and regulate keywork	Alto Clarinet	\$240
	Oil and play test.	Bass Clarinet	\$240
		Oboe	\$240
		Bassoon	\$270
# 2	Minimal cleaning	Bb Clarinet	\$150
Minor Alignment	 Replace necessary pads (up to 4) 		
	 Replace necessary key corks 	Alto Clarinet	\$370
	 Clean and seat necessary pads 		
	Replace one tenon cork	Bass Clarinet	\$370
	 Adjust and regulate keywork 	Oboe	\$370
	Oil and play test.	Bassoon	\$450
#3	Major cleaning	Bb Clarinet	\$250
Major Alignment	 Replace necessary pads (5 to 8) 		
	 Replace necessary key and tenon corks 	Alto Clarinet	\$625
	 Check and tighten loose posts 		
	 Straighten twisted keys and rods 	Bass Clarinet	\$625
	Clean and seat all pads		
	 Precision adjust, oil and regulate keys 	Oboe	\$625
	 Play test. 		
	• Flay test.	Bassoon	\$935
# 4	Ultrasonic or chemical cleaning	Bb Clarinet	Est.
Overhaul (Student	Silver dip and hand polish keys		
Level)			
,	Replace all pads	Alto Clarinet	Est.
	Replace all key and tenon corks		
	 Check and tighten loose posts 	Bass Clarinet	Est.
	 Spring replacement where necessary 		
	 Straighten twisted keys and rods 		
	 Clean and seat all pads 	Oboe	Est.
	 Precision adjust, oil and regulate keys Oil bore and exterior *(wood body) 	Bassoon	Est.
	Tenon rings refitted Play test		
Additional co	 Play test. st for full conservatory and professional instru 		

<u>Saxophone</u>

- We will provide estimates only if the repair exceeds \$150.
- All prices listed below include parts.

	DESCRIPTION OF REPAIR	TOTAL ESTIMA	ATE
# 1	Minor key leveling	Soprano	\$125
Play Condition	Regulate adjusting screws	Alto	\$110
	Oil and Play test.	Tenor	\$125
		Baritone	\$185
# 2	Minimal cleaning	Soprano	\$220
Minor Alignment	 Replace necessary pads (up to five) 		
	Replace necessary key corks	Alto	\$180
	 Clean and seat necessary pads 		
	Replace neck cork if necessary	Tenor	\$220
	Minor key leveling		
	 Regulate adjusting screws 	Baritone	\$350
	Oil and Play test.		
# 3	Major cleaning	Soprano	\$540
Major Alignment	 Replace necessary pads (up to ten) 		
	Replace necessary key corks	Alto	\$500
	Clean and seat all pads		
	Replace neck cork if necessary	Tenor	\$540
	Minor dent work		
	 Regulate and adjust throughout 	Baritone	\$700
	Oil and Play test.		
# 4	Ultrasonic or chemical cleaning	Soprano	Est.
Overhaul (Student	Replace all pads		
level)	Replace all key corks, felts and bumpers	Alto	Est.
	 Spring replacement where necessary 		
	Replace neck cork	Tenor	Est.
	Refit neck tenon		
	Straighten twisted keys and rods	Baritone	Est.
	Major dent work and alignment		
	Level warped tone holes		
	Seat and level pads		
	Precision adjust and regulate keys		
	Oil, lubricate and play test		

- Additional charge for all silver plated instruments.
- Additional charge for professional and vintage instruments.

<u>Piston Brass</u>

- We will provide estimates only if the repair exceeds \$150.
- All prices listed below include parts.

	DESCRIPTION OF REPAIR	TOTAL ESTIMATE	
# 1 Ultrasonic & Play Condition	 Ultrasonic or chemical cleaning Replace corks, felts and springs where necessary Oil and Play test. 	Trumpet & Cornet Valve Trombone Baritone (3 valve) Euphonium (4 valve) Tuba (3 valve) Tuba (4 valve)	\$105 \$150 \$160 \$210 \$200 \$250
# 2 Ultrasonic & Minor Alignment	 Ultrasonic or chemical cleaning Free stuck valves and slides Replace corks, felts and springs where necessary Minor dent removal Minor solder work Oil and Play test. 	Trumpet & Cornet Valve Trombone Baritone (3 valve) Euphonium (4 valve) Tuba (3 valve) Tuba (4 valve)	\$200 \$225 \$250 \$350 \$350 \$405
# 3 Ultrasonic & Major Alignment	 Ultrasonic or chemical cleaning Free stuck valves and slides Replace corks, felts and springs Body and valve alignment Major dent removal Major solder work Oil and Play test. 	Trumpet & Cornet Valve Trombone Baritone (3 valve) Euphonium (4 valve) Tuba (3 valve) Tuba (4 valve)	\$550 \$790 \$835 \$1000 \$1,255 \$1,650

- Additional charge for all silver plated instruments.
- Additional charge for professional and vintage instruments.

Rotary Valve Brass

- We will provide estimates only if the repair exceeds \$150.
- All prices listed below include parts.

	DESCRIPTION OF REPAIR	TOTAL ESTIMATE	
# 1 Ultrasonic Play	 <i>Ultrasonic</i> or chemical cleaning Replace corks, felts and springs 	Single French Horn	\$165
Condition.	where necessary	Double French Horn	\$220
	Restring and align rotary valvesOil and Play test.	Tuba	\$385
# 2 Ultrasonic &	 <i>Ultrasonic</i> or chemical cleaning Replace corks, felts and springs 	Single French Horn	\$385
Minor Alignment	where necessary	Double French Horn	\$450
	Free stuck valves and slidesReplace bumpers	Tuba	\$700
	Restring and align rotary valves		
	Minor dent removalMinor solder workOil and Play test.		
# 3	Ultrasonic or chemical cleaning	Single French Horn	\$730
Ultrasonic & Major Alignment	 Free stuck valves and slides Replace corks, felts and springs Replace bumpers 	Double French Horn	\$885
	 Restring and align rotary valves 	Tuba	\$1,744
	Major dent removal		
	Major solder work Oil and Blantost		
Additional charge	Oil and Play test. for all silver plated instruments.		

Additional charge for all silver plated instruments.

• Additional charge for professional and vintage instruments.

Slide Trombone

- We will provide estimates only if the repair exceeds \$150.
- All prices listed below include parts.

	DESCRIPTION OF REPAIR	TOTAL ESTIMATE	
# 1 Ultrasonic &	 <i>Ultrasonic</i> or chemical cleaning Replace corks, felts and springs 	Trombone	\$110
Play Condition.	where necessary	Trombone w. F	\$155
	 Restring ,align and oil rotors 	attachment	
	Replace bumpers	Bass trombone	6200
	Hand Slide is shipped dry	Bass trombone	\$200
		Valve trombone * see	
		piston brasses	_
# 2 Ultrasonic &	<i>Ultrasonic</i> or chemical cleaningAlign hand slide	Trombone	\$205
Minor Alignment	Free stuck rotors and slides	Trombone w. F	\$250
	 Replace corks, felts and springs where necessary 	attachment	
	Restring ,align and oil rotorsReplace bumpers	Bass trombone	\$300
	Minor dent removal	Valve trombone * see	
	Minor solder work	piston brasses	
	Hand Slide is shipped dry		
# 3 Ultrasonic &	 <i>Ultrasonic</i> or chemical cleaning Align hand slide	Trombone	\$624
Major Alignment	Free stuck rotors and slides	Trombone w. F	\$922
	Replace corks, felts and springs	attachment	
	 Restring ,align and oil rotors 	Dans two volumes	64000
	Replace bumpers	Bass trombone	\$1080
	Major dent removal	Valve trombone * see	
	Major solder work	piston brasses	
	Hand Slide is shipped dry	piston brasses	

- Additional charge for all silver plated instruments.
- Additional charge for professional and vintage instruments.

Miscellaneous Work

- We will provide estimates only if the repair exceeds \$150.
- All prices listed below include parts.

DESCRIPTION OF REPAIR	PRICE
WOODWINDS	
Joint refitting (flute)	\$100+ per joint
Tuning cork replaced (flute)	\$45
Refit rings (clarinet & oboe)	\$30 per ring
Tenon corks replaced (clarinet & oboe)	\$45 per tenon
Tenon corks replaced (bass clarinet & bassoon)	\$80 per tenon
Neck cork replaced (sax)	\$60
Refit Loose Neck (sax)	\$100
Lead soldering	\$80 per joint
Silver solder broken key	\$100 per key
Spring replacement	\$85 each
Dent removal	By estimate
Key fabrication	By estimate
Custom work	By estimate
Replating	By estimate
BRASS	
Free stuck mouthpiece	Free
Waterkey spring and cork replacement	\$45
Amado waterkey installation	\$95
Restring and level rotary valve levers	\$50 per lever
Replace bumper stops, align rotors.	\$65 per rotor
Lead soldering	\$80 per joint
Silver soldering	\$100 per joint
Valve spring set replacement	\$65 parts incl
Dent removal	By estimate
Free frozen tuning slides	By estimate
Custom work	By estimate
Replating	By estimate
Relacquer	By estimate
CASE REPAIR	
Replace handle, latch or hinge	\$60 ea.

Ultrasonic Cleaning

Ultrasonic cleaning has been used in industrial and commercial application for over forty years. Its cleaning power is very well documented and in some cases is absolutely essential to the manufacturing of high precision assemblies. The power of ultrasonic lies not only in its ability to clean, but in its ability to penetrate into areas inaccessible by any other method. Since the power of cavitation is able to go wherever the liquid goes, entire assemblies can be immersed in a bath and all surfaces, both external and internal, blind holes and crevices, will be cleaned simultaneously. This ensures proper cleaning of components. Although ultrasonic is an aggressive cleaning technique, it is non-abrasive and can produce extremely clean parts without harm to product surfaces. Through the use of ultrasonic cavitation, parts can be cleaned better, faster, and without damage, making it an extremely valuable method for cleaning musical instruments.

A TECHNICAL EXPLANATION OF ULTRASONICS

Ultrasonic cleaning is a result of sound waves introduced into a cleaning liquid by means of a series of "transducers" mounted to the cleaning tank. The sound travels throughout the tank and creates waves of compression and expansion in the liquid. In the compression wave, the molecules of the cleaning liquid are compressed together tightly. Conversely, in the expansion wave, the molecules are pulled apart rapidly. The expansion is so dramatic that the molecules are ripped apart, creating microscopic bubbles. The bubbles are not seen by the naked eye since they are so small and exist for only a split second of time. The bubbles contain a partial vacuum while they exist. As the pressure around the bubbles becomes greater, the fluid around the bubble rushes in, collapsing the bubble very rapidly. When this occurs, a jet of liquid is created that may travel at this very high rate. They rise in temperature to as high as 5000 degrees C, which is roughly the temperature of the surface of the sun. This extreme temperature, combined with the liquid jet's velocity provides a very intense cleaning action in a minute area. Because of the very short duration of the bubble expansion and collapse cycle, the liquid surrounding the bubble quickly absorbs the heat and the area cools quickly. As a result, the tank and liquid becomes only warm and does not heat up due to the introduction of parts during the cleaning process.

Orchestral Strings Repair Rates

All prices are subject to evaluation by technician additional charges may be required.

<u>Violin/Viola</u>

Violin/Viola			Labour	Part	Total
Restring					
(Does Not Inclu	de Bridge Work)	\$	55.00		\$ 45.00
Bridge	Standard	\$	100.00	\$7.00	\$ 107.00
	Deluxe	\$	140.00	\$17.50	\$ 157.50
	Rearch	\$	55.00	\$0.00	\$ 55.00
Soundpost	New	\$	55.00	\$4.95	\$ 59.95
	Adjust/set	\$	30.00	\$0.00	\$ 30.00
Pegs	Redrill 4	\$	50.00	\$0.00	\$ 50.00
	Refit each	\$	45.00	\$0.00	\$ 45.00
	New each	\$	45.00	\$2.95	\$ 47.95
(per peg)	Spiral Bushing	\$	100.00	\$0.00	\$ 100.00
(per peg)	Full Bushing	\$	130.00	\$0.00	\$ 130.00
Nut	Reshape	\$	50.00	\$0.00	\$ 50.00
	New	\$	50.00	\$2.00	\$ 52.00
Saddle	Reglue	\$	50.00	\$0.00	\$ 50.00
	New	\$	75.00	\$2.00	\$ 77.00
Seams	Reglue	Ву	Estimate	\$0.00	By Est.
Fingerboard	Dress	\$	100.00	\$0	\$ 100.00
(partial)	Reglue	\$	50.00	\$0	\$ 50.00
(full)	Reglue	\$	95.00	\$0	\$ 95.00
(new)	Replace & Dress	\$	210.00	\$30.00	\$ 240.00
Neck	Reset	Ву	Estimate	\$0.00	By Est.

<u>Cello</u>

	Cello		Labour	Part	Total
Restring					
(Does Not Inclu	de Bridge Work)	\$	50.00		\$ 50.00
Bridge	Standard	\$	145.00	\$32.75	\$ 172.75
	Deluxe	\$	185.00	\$62.50	\$ 247.50
	Rearch	\$	75.00	\$0.00	\$ 75.00
Soundpost	New	\$	75.00	\$4.95	\$ 79.95
	Adjust/set	\$	45.00	\$0.00	\$ 45.00
Pegs	Redrill 4	\$	60.00	\$0.00	\$ 60.00
	Refit each	\$	50.00	\$0.00	\$ 50.00
	New each	\$	60.00	\$12.95	\$ 72.95
(per peg)	Spiral Bushing	\$	100.00	\$0.00	\$ 100.00
(per peg)	Full Bushing	\$	165.00	\$3.00	\$ 1167.00
Nut	Reshape	\$	60.00	\$0.00	\$ 60.00
	New	\$	60.00	\$5.00	\$ 65.00
Saddle	Reglue	\$	60.00	\$0.00	\$ 60.00
	New	\$	70.00	\$6.00	\$ 76.00
Seams	Reglue	Ву	Estimate	\$0.00	By Est.
					.
Fingerboard	Dress	\$	145.00	\$0.00	\$ 145.00
(partial)	Reglue	\$	50.00	\$0.00	\$ 50.00
(full)	Reglue	\$	90.00	\$0.00	\$ 90.00
(new)	Replace & Dress	\$	270.00	\$170.00	\$ 440.00
Neck	Reset	Ву	Estimate	\$0.00	By Est.

<u>Bass</u>

Bass			Labour	Part		Total
Restring						
(Does Not Inclu	de Bridge Work)	\$50.00			,	\$ 50.00
Bridge	Standard	\$	210.00	\$88.99	\$	298.99
	Deluxe	\$	320.00	\$135.00	\$	455.00
	Rearch	:	\$85.00	\$0.00	9	\$ 85.00
Install Bri	dge Adjusters	:	\$145.00	\$29.95	\$	174.95
Soundpost	New	\$	90.00	\$6.95	\$	96.95
	Adjust/set	\$	50.00	\$0.00	\$	50.00
Tyrolean	Repair /					
Heads	Adjustment	By E	Estimate	By Est.		By Est.
Nut	Reshape	\$	70.00	\$0.00	\$	70.00
	New	\$	70.00	\$10.00	\$	80.00
Saddle	Reglue	\$	95.00	\$0.00	\$	95.00
	New	\$	95.00	\$10.00	\$	105.00
Seams	Reglue	Ву	Estimate	\$0.00		By Est.
	-	<u> </u>				
Fingerboard	Dress	\$	290.00	\$0.00	\$	290.00
(partial)	Reglue	\$	90.00	\$0.00	\$	90.00
(full)	Reglue	\$	145.00	\$0.00	\$	145.00
(new)	Replace & Dress	\$	470.00	\$350.00	\$	820.00
Neck	Reset	Ву	Estimate	\$0.00		By Est.

<u>Bow</u>

Bow		Labour	Part	Total
Violin Rehair	Standard	\$ 110.00	\$ 20.00	\$ 130.00
Grips	Short Leather	\$ 30.00	\$ 2.00	\$ 32.00
-	2Piece Leather	\$ 50.00	\$ 3.00	\$ 53.00
	Plastic & Leather	\$ 50.00	\$ 3.00	\$ 53.00
	Silver & Leather	\$ 70.00	\$ 10.00	\$ 80.00
Tip Face	Plastic	\$ 65.00	\$ 2.00	\$ 67.00
	Bone	\$ 180.00	\$ 5.00	\$ 185.00
Viola Rehair	Standard	\$ 110.00	\$ 20.00	\$ 130.00
Grips	See Violin	\$ -	\$ -	\$ -
Tip Face	Plastic	\$ 65.00	\$ 2.00	\$ 67.00
	Bone	\$ 180.00	\$ 5.00	\$ 185.00
Cello Rehair	Standard	\$ 120.00	\$ 25.00	\$ 145.00
Grips	Short Leather	\$ 35.00	\$ 3.00	\$ 38.00
	2Piece Leather	\$ 50.00	\$ 4.00	\$ 54.00
	Plastic & Leather	\$ 50.00	\$ 4.00	\$ 54.00
	Silver & Leather	\$ 70.00	\$ 12.50	\$ 82.50
Tip Face	Plastic	\$ 70.00	\$ 3.00	\$ 73.00
	Bone	\$ 180.00	\$ 6.00	\$ 186.00
Bass Rehair	Standard	\$ 140.00	\$ 35.00	\$ 175.00
Grips	See Cello	\$ -	\$ -	\$ -
Tip Face	Plastic	\$ 85.00	\$ 4.00	\$ 89.00
	Bone	\$ 180.00	\$ 10.00	\$ 190.00