

# **Band and Orchestra Repair Price List & Guide**

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#### **Bench Rate**

Services or repairs which do not have a fixed rate will be billed at the bench rate of \$90 per hour, with a minimum charge of \$30.

#### **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 ES	TIMATE
#1	Clean and seat necessary pads	Flute	\$90
Play Condition	Precision key adjustment	Open Hole	\$104
	<ul> <li>Tuning cork checked and adjusted</li> </ul>	Piccolo	\$104
	Oil and play test.		
# 2	Minimal cleaning	Flute	\$145
Minor Alignment	<ul> <li>Replace necessary pads (up to three)</li> </ul>		
	Replace necessary key corks	Open Hole	\$160
	Clean and seat all pads		
	Precision key adjustment	Piccolo	\$160
	<ul> <li>Tuning cork checked and adjusted</li> </ul>		
	<ul> <li>Oil and play test.</li> </ul>		
#3	Major cleaning	Flute	\$250
Major Alignment	<ul> <li>Hand polish body and keys</li> </ul>		
	<ul> <li>Replace necessary pads (four to eight),</li> </ul>	Open Hole	\$280
	<ul> <li>Replace necessary key corks</li> </ul>		_
	Minor joint refitting	Piccolo	\$280
	Clean and seat all pads		
	<ul> <li>Precision adjust, oil, and regulate keys</li> </ul>		
	<ul> <li>Tuning cork adjusted or replaced</li> </ul>		
	Play test.		
# 4	<ul> <li>Ultrasonic or chemical cleaning</li> </ul>	Flute	Est.
Overhaul (student	<ul> <li>Silver dip and hand polish body and keys</li> </ul>		
level)	Replace all pads	Piccolo	Est.
	Replace all key corks		
	<ul> <li>Springs replacement where necessary</li> </ul>		
	Dents removed		
	Joints refitted		
	Clean and seat all pads		
	<ul> <li>Precision adjust, oil, and regulate keys</li> </ul>		
1	Tuning cork replaced		
	Play test.		
Add \$25 for instru	monts with P foot		

Add \$25 for instruments with B foot.

Professional instruments by estimate only.

	DESCRIPTION OF REPAIR	TOTAL ESTIMAT	E
#1	Clean and seat necessary pads	Bb Clarinet	\$90
Play Condition	Adjust and regulate keywork	Alto Clarinet	\$214
	Oil and play test.	Bass Clarinet	\$214
		Oboe	\$214
		Bassoon	\$250
# 2	Minimal cleaning	Bb Clarinet	\$128
Minor Alignment	<ul> <li>Replace necessary pads (up to 4)</li> </ul>		
	Replace necessary key corks	Alto Clarinet	\$340
	<ul> <li>Clean and seat necessary pads</li> </ul>		
	Replace one tenon cork	Bass Clarinet	\$340
	<ul> <li>Adjust and regulate keywork</li> </ul>	Oboe	\$340
	Oil and play test.	Bassoon	\$400
# 3	Major cleaning	Bb Clarinet	\$225
Major Alignment	Replace necessary pads (5 to 8)		
	Replace necessary key and tenon corks	Alto Clarinet	\$560
	Check and tighten loose posts		
	Straighten twisted keys and rods	Bass Clarinet	\$560
	Clean and seat all pads		
	<ul> <li>Precision adjust, oil and regulate keys</li> </ul>	Oboe	\$560
	Play test.	Bassoon	\$841
# 4	Ultrasonic or chemical cleaning	Bb Clarinet	Est.
Overhaul (Student	Silver dip and hand polish keys	DD Clarifiet	LSt.
Level)	3liver dip and hand polish keys		
2010.)	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	ost for full conservatory and professional instru	iments.	

#### <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	\$106
Play Condition	<ul> <li>Regulate adjusting screws</li> </ul>	Alto	\$92
	<ul> <li>Oil and Play test.</li> </ul>	Tenor	\$106
		Baritone	\$162
# 2	Minimal cleaning	Soprano	\$195
Minor Alignment	<ul> <li>Replace necessary pads (up to five)</li> </ul>		
	<ul> <li>Replace necessary key corks</li> </ul>	Alto	\$162
	<ul> <li>Clean and seat necessary pads</li> </ul>		
	<ul> <li>Replace neck cork if necessary</li> </ul>	Tenor	\$215
	Minor key leveling		
	<ul> <li>Regulate adjusting screws</li> </ul>	Baritone	\$315
	<ul> <li>Oil and Play test.</li> </ul>		
# 3	Major cleaning	Soprano	\$485
Major Alignment	<ul> <li>Replace necessary pads (up to ten)</li> </ul>		
	Replace necessary key corks	Alto	\$450
	Clean and seat all pads		
	Replace neck cork if necessary	Tenor	\$487
	Minor dent work		
	<ul> <li>Regulate and adjust throughout</li> </ul>	Baritone	\$626
	Oil and Play test.		
# 4	Ultrasonic or chemical cleaning	Soprano	Est.
Overhaul (Student	Replace all pads		
level)	<ul> <li>Replace all key corks, felts and bumpers</li> </ul>	Alto	Est.
	<ul> <li>Spring replacement where necessary</li> </ul>		
	Replace neck cork	Tenor	Est.
	Refit neck tenon		
	<ul> <li>Straighten twisted keys and rods</li> </ul>	Baritone	Est.
	Major dent work and alignment		
	<ul> <li>Level warped tone holes</li> </ul>		
	<ul> <li>Seat and level pads</li> </ul>		
	<ul> <li>Precision adjust and regulate keys</li> </ul>		
	,		
	Oil, lubricate and play test		

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

#### **Piston 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 Condition	<ul> <li>Ultrasonic or chemical cleaning</li> <li>Replace corks, felts and springs where necessary</li> </ul>	Trumpet & Cornet Valve Trombone Baritone (3 valve)	\$95 \$130 \$140
	Oil and Play test.	Euphonium (4 valve) Tuba (3 valve) Tuba (4 valve)	\$190 \$174 \$226
# 2 Ultrasonic & Minor Alignment	<ul> <li>Ultrasonic or chemical cleaning</li> <li>Free stuck valves and slides</li> <li>Replace corks, felts and springs where necessary</li> <li>Minor dent removal</li> <li>Minor solder work</li> <li>Oil and Play test.</li> </ul>	Trumpet & Cornet Valve Trombone Baritone (3 valve) Euphonium (4 valve) Tuba (3 valve) Tuba (4 valve)	\$180 \$203 \$226 \$315 \$315 \$365
# 3 Ultrasonic & Major Alignment	<ul> <li>Ultrasonic or chemical cleaning</li> <li>Free stuck valves and slides</li> <li>Replace corks, felts and springs</li> <li>Body and valve alignment</li> <li>Major dent removal</li> <li>Major solder work</li> <li>Oil and Play test.</li> </ul>	Trumpet & Cornet Valve Trombone Baritone (3 valve) Euphonium (4 valve) Tuba (3 valve) Tuba (4 valve)	\$500 \$710 \$754 \$920 \$1,130 \$1,500

<sup>•</sup> Additional charge for all silver plated instruments.

<sup>•</sup> 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	<ul> <li><i>Ultrasonic</i> or chemical cleaning</li> <li>Replace corks, felts and springs</li> </ul>	Single French Horn	\$140
Condition.	where necessary	Double French Horn	\$200
	<ul><li>Restring and align rotary valves</li><li>Oil and Play test.</li></ul>	Tuba	\$345
# 2 Ultrasonic &	<ul> <li><i>Ultrasonic</i> or chemical cleaning</li> <li>Replace corks, felts and springs</li> </ul>	Single French Horn	\$345
Minor Alignment	where necessary	Double French Horn	\$405
	<ul><li>Free stuck valves and slides</li><li>Replace bumpers</li><li>Restring and align rotary valves</li></ul>	Tuba	\$630
	<ul><li>Minor dent removal</li><li>Minor solder work</li><li>Oil and Play test.</li></ul>		
# 3	Ultrasonic or chemical cleaning	Single French Horn	\$660
Ultrasonic & Major Alignment	<ul> <li>Free stuck valves and slides</li> <li>Replace corks, felts and springs</li> </ul>	Double French Horn	\$900
	<ul> <li>Replace bumpers</li> <li>Restring and align rotary valves</li> </ul>	Tuba	\$1,570
	<ul> <li>Major dent removal</li> <li>Major solder work</li> <li>Oil and Play test.</li> </ul>		

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 &	<ul> <li>Ultrasonic or chemical cleaning</li> <li>Replace corks, felts and springs</li> </ul>	Trombone	\$95
Play Condition.	<ul> <li>where necessary</li> <li>Restring ,align and oil rotors</li> <li>Replace bumpers</li> <li>Hand Slide is shipped dry</li> </ul>	Trombone w. F attachment Bass trombone	\$140 \$180
		Valve trombone * see	
# 2 Ultrasonic &	<ul><li> <i>Ultrasonic</i> or chemical cleaning</li><li> Align hand slide</li></ul>	Trombone	\$185
Minor Alignment	<ul><li>Free stuck rotors and slides</li><li>Replace corks, felts and springs</li></ul>	Trombone w. F attachment	\$225
	<ul><li>where necessary</li><li>Restring ,align and oil rotors</li><li>Replace bumpers</li></ul>	Bass trombone	\$270
	<ul> <li>Minor dent removal</li> <li>Minor solder work</li> <li>Hand Slide is shipped dry</li> </ul>	Valve trombone * see piston brasses	
# 3 Ultrasonic &	<ul><li><i>Ultrasonic</i> or chemical cleaning</li><li>Align hand slide</li></ul>	Trombone	\$562
Major Alignment	<ul><li>Free stuck rotors and slides</li><li>Replace corks, felts and springs</li></ul>	Trombone w. F attachment	\$830
	<ul> <li>Restring ,align and oil rotors</li> <li>Replace bumpers</li> <li>Major dont removal</li> </ul>	Bass trombone	\$980
	<ul><li>Major dent removal</li><li>Major solder work</li><li>Hand Slide is shipped dry</li></ul>	Valve trombone * see 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)	\$70+ per joint
Tuning cork replaced (flute)	\$35
Refit rings (clarinet & oboe)	\$20 per ring
Tenon corks replaced (clarinet & oboe)	\$40 per tenon
Tenon corks replaced (bass clarinet & bassoon)	\$60 per tenon
Neck cork replaced (sax)	\$50
Refit Loose Neck (sax)	\$90
Lead soldering	\$60 per joint
Silver solder broken key	\$90 per key
Spring replacement	\$75 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	\$30
Amado waterkey installation	\$82
Restring and level rotary valve levers	\$40 per lever
Replace bumper stops, align rotors.	\$50 per rotor
Lead soldering	\$60 per joint
Silver soldering	\$90 per joint
Valve spring set replacement	\$50 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	\$50 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.

### Violin/Viola

Violin/Viola			Labour	Part	Total
Restring					
(Does Not Inclu	de Bridge Work)	\$	45.00		\$ 45.00
Bridge	Standard	\$	90.00	\$7.00	\$ 97.00
	Deluxe	\$ \$	127.00	\$17.50	\$ 144.50
	Rearch	\$	40.00	\$0.00	\$ 40.00
Soundpost	New	\$	40.00	\$4.95	\$ 44.95
	Adjust/set	\$	20.00	\$0.00	\$ 20.00
Pegs	Redrill 4	\$	40.00	\$0.00	\$ 40.00
	Refit each	\$	35.00	\$0.00	\$ 35.00
	New each	\$	35.00	\$2.95	\$ 37.95
(per peg)	Spiral Bushing	\$	90.00	\$0.00	\$ 70.00
(per peg)	Full Bushing	\$	115.00	\$0.00	\$ 115.00
Nut	Reshape	\$	40.00	\$0.00	\$ 40.00
	New	\$	40.00	\$2.00	\$ 42.00
Saddle	Reglue	\$	40.00	\$0.00	\$ 40.00
	New	\$	60.00	\$2.00	\$ 62.00
Seams	Reglue	Ву	Estimate	\$0.00	By Est.
Fingerboard	Dress	\$	90.00	\$0	\$ 90.00
(partial)	Reglue	\$	40.00	\$0	\$ 40.00
(full)	Reglue	\$	80.00	\$0	\$ 80.00
(new)	Replace & Dress	\$	190.00	\$30.00	\$ 220.00
Neck	Reset	Ву	Estimate	\$0.00	By Est.

## <u>Cello</u>

	Cello		Labour	Part	Total
Restring					
(Does Not Inclu	ide Bridge Work)	\$	45.00		\$ 45.00
Bridge	Standard	\$	130.00	\$32.75	\$ 162.75
	Deluxe	\$	168.00	\$62.50	\$ 230.50
	Rearch	\$	60.00	\$0.00	\$ 60.00
Soundpost	New	\$	60.00	\$4.95	\$ 64.95
	Adjust/set	\$	25.00	\$0.00	\$ 25.00
Pegs	Redrill 4	\$	55.00	\$0.00	\$ 55.00
	Refit each	\$	45.00	\$0.00	\$ 45.00
	New each	\$ \$	50.00	\$12.95	\$ 62.95
(per peg)	Spiral Bushing	\$	90.00	\$0.00	\$ 90.00
(per peg)	Full Bushing	\$	150.00	\$3.00	\$ 153.00
Nut	Reshape	\$	55.00	\$0.00	\$ 55.00
	New	\$	55.00	\$5.00	\$ 60.00
Saddle	Reglue	\$	50.00	\$0.00	\$ 50.00
	New	\$	60.00	\$6.00	\$ 66.00
Seams	Reglue	Ву	Estimate	\$0.00	By Est.
		-			
Fingerboard	Dress	\$	130.00	\$0.00	\$ 130.00
(partial)	Reglue	\$	45.00	\$0.00	\$ 45.00
(full)	Reglue	\$	80.00	\$0.00	\$ 80.00
(new)	Replace & Dress	\$	243.00	\$170.00	\$ 413.00
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Neck	Reset	Ву	Estimate	\$0.00	By Est.

## <u>Bass</u>

1	Bass		Labour	Part		Total
Restring						
(Does Not Inclu	de Bridge Work)	\$	45.00		Ş	45.00
Bridge	Standard	\$	190.00	\$88.99	\$	278.99
	Deluxe	\$	290.00	\$135.00	\$	425.00
	Rearch	:	\$70.00	\$0.00	Ş	70.00
Install Brid	dge Adjusters		\$130.00	\$29.95	\$	159.95
Soundpost	New	\$	80.00	\$6.95	\$	86.95
	Adjust/set	\$	45.00	\$0.00	\$	45.00
Tyrolean	Repair /					
Heads	Adjustment	By E	Estimate	By Est.		By Est.
Nut	Reshape	\$	65.00	\$0.00	\$	65.00
	New	\$	65.00	\$10.00	\$	75.00
Saddle	Reglue	\$	85.00	\$0.00	\$	85.00
	New	\$	85.00	\$10.00	\$	95.00
Seams	Reglue	Ву	Estimate	\$0.00		By Est.
	-	-				
Fingerboard	Dress	\$	261.00	\$0.00	\$	261.00
(partial)	Reglue	\$	70.00	\$0.00	\$	70.00
(full)	Reglue	\$	130.00	\$0.00	\$	130.00
(new)	Replace & Dress	\$	425.00	\$350.00	\$	775.00
Neck	Reset	Ву	Estimate	\$0.00		By Est.

## <u>Bow</u>

Bow		Labour	Pa	<del></del>
Violin Rehair	Standard	\$ 90.00	\$ 10.0	•
Grips	Short Leather	\$ 20.00	\$ 2.00	\$ 22.00
	2Piece Leather	\$ 45.00	\$ 3.00	\$ 48.00
	Plastic & Leather	\$ 45.00	\$ 3.00	\$ 48.00
	Silver & Leather	\$ 60.00	\$ 10.00	\$ 70.00
Tip Face	Plastic	\$ 55.00	\$ 2.00	\$ 57.00
	Bone	\$ 160.00	\$ 5.00	\$ 165.00
Viola Rehair	Standard	\$ 90.00	\$ 10.00	\$ 100.00
Grips	See Violin	\$ -	\$ -	\$ -
Tip Face	Plastic	\$ 55.00	\$ 2.00	\$ 57.00
	Bone	\$ 160.00	\$ 5.00	\$ 155.00
Cello Rehair	Standard	\$ 105.00	\$ 15.00	\$ 120.00
Grips	Short Leather	\$ 25.00	\$ 3.00	\$ 28.00
	2Piece Leather	\$ 45.00	\$ 4.00	\$ 49.00
	Plastic & Leather	\$ 45.00	\$ 4.00	\$ 49.00
	Silver & Leather	\$ 60.00	\$ 12.50	\$ 72.50
Tip Face	Plastic	\$ 60.00	\$ 3.00	\$ 63.00
	Bone	\$ 160.00	\$ 6.00	\$ 166.00
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Bass Rehair	Standard	\$ 120.00	\$ 20.00	\$ 140.00
Grips	See Cello	\$ -	\$ -	\$ -
Tip Face	Plastic	\$ 75.00	\$ 4.00	\$ 79.00
	Bone	\$ 160.00	\$ 10.00	\$ 170.00