

ALLIED SUPPLY

Supplier
to the
Professional
Technician
Since 1967

ORDERS
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ALLIED SUPPLY

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ELKHORN, WI 53121
PH: 262-733-5485
FAX: 262-733-2051

TECHNICAL HELPLINE
800-231-8100
See back cover for mail address



Picture Courtesy of Jeff Telford

Before Ordering... READ THIS

US & Canada orders call toll free 800-558-3226 - All other customers please use 262-723-5455.

FAX orders to 800-800-6189 or 262-723-2051 or EMAIL orders to customerorder@alliedsupplycorp.com

Please help us give you the best possible service by following these guidelines:

1. We MUST have your customer number for all phone, fax or emailed orders.
2. Have your order ready, including part numbers! Phone, fax or email we cannot enter orders without part numbers!
3. If you need help finding an item or have a technical question, please call our technical help line 800-281-8100 or email to techhelp@alliedsupplycorp.com. This line cannot be used for orders but should be used for any technical question regarding any of our products.
4. Phones are open 8:00 a.m. to 4:30 p.m. Central Time, Monday thru Friday. Fax or email anytime. For your convenience two order forms are included in this price book, please copy and keep on hand, an order form is also available on our website www.alliedsupplycorp.com.
5. Privacy rules prevent us from storing your credit card information. You must have all credit card information available when placing your order.
6. We cannot add to an order after your order is printed, please review your order to make sure it is complete.
7. FedEx is our preferred shipping partner. If you wish to ship another way please indicate that when placing your order.

All prices shown in this price list are dealer net and are subject to change without notice. *This price list is a guideline only, in our industry prices often increase dramatically, without warning. If you need a quote for a bid, you must mail, email or fax us the items you want quoted. We will then quote you in writing and guarantee the quote for 30 days.*

Terms are strictly net 30 days. A service charge of 1.5% per month (18% per annum) will be made on all past due accounts. All new accounts are subject to credit approval. If immediate delivery is requested, shipment will be made on a C.O.D. basis. **We accept Visa, MasterCard, Discover and American Express for any order.**

PROFORMA ORDERS: 1) Continental U.S. proforma orders must be paid, in full, within 30 days of the invoice date 2) Proforma orders, outside the U.S. must be paid, in full, within 60 days of the invoice date 3) If proforma orders are not paid in full by these dates: the order will be canceled and subject to a 10% restocking fee.

NEW MINIMUM ORDER AMOUNT: A \$10.00 order processing charge will be added to all orders less than \$50.00 net. Suggestion: Should you "pad" an order to reach the \$50.00 minimum, please state which items are most important and direct us to cancel the entire order if that item or items are not available.

Orders of \$1000.00 net or more, consisting of any items except cases in this catalog, will be shipped prepaid in the Continental United States providing the order can be shipped via FedEx or U.P.S. Items such as tuba and sousaphone cases will be shipped Motor Freight Collect. **Case orders of 24 or more cases** will be shipped at no charge using our selection of carrier, if you choose a different carrier; any cost difference will be billed to you.

All hazardous material (i.e. cork cement, thinner, lacquer, aerosols, etc.) of one gallon or more will have a hazardous handling cost added to the shipping costs. **Hazardous items cannot be shipped outside the USA and cannot be shipped air / overnight.**

Allied Supply cannot be held responsible for orders lost or damaged when sent by the U.S. Postal Service (USPS) unless an additional fee is added so that the package is insured and it can be tracked.

RETURNS: All shortages and/or errors must be reported within 30 days of invoice date. Returns will be accepted for exchange or credit under the following conditions:

- All returns must be in resalable condition.
- **A copy of the invoice or packing slip and reason for the return must be included with all returns.**
- Restocking fees may apply:
 - o 10% restocking fee on all returns received after 30 days of invoice.
 - o 10% restocking fee on all returns due to customer error.
 - o 25% restocking fee on all items after 90 days
- NO returns on any part that has been finished (i.e. plated etc.) or assembled to your specifications.
- NO returns items after 180 days (6 months) from the invoice date.

NOTE: Should you mistakenly order an inexpensive part and find it does not fit, please consider placing it in your parts inventory for future needs. Returns are very expensive to process for both of us.

All prices shown are dealer net, no discounts will be given. This price list is a guideline only, all prices subject to change without notice.

Revised: 5/2014



**ITEMS MISSING OR
ITEMS DAMAGED?**



HERE'S WHAT TO DO!

NOTIFY

- If shipment arrived via Parcel Post, place a claim with your local Postmaster.
- If the shipment arrived via United Parcel Service (UPS) or FedEx, contact their local claim department. (The phone numbers should be listed in all U.S. white pages). The claims department will instruct you on how they will inspect the damaged parcel. No matter what carrier was used you must keep the original packing material. Their judgment prevails whether to honor the claim and issue Allied a claim number. If the claim is disallowed by UPS or FedEx, we will negotiate the cost of repair or replacement with you, depending on the circumstances.
- If shipment arrived by any other carrier, call the specific carrier and ask for an inspection of the damaged merchandise. After replacement is made, we will invoice you. You will then submit our invoice to the carrier for payment to you as claimant.

SAVE

- All carrier inspectors ask to see the original shipping carton or package. **SAVE IT.** After the claim report has been filed, the inspector will instruct you to either keep or destroy the original shipping container.

REPORT

- Any merchandise that is missing from damaged cartons must be reported to the delivering transportation company. Before reporting missing merchandise, check thru all discarded packing material. Smaller items are often lost in these materials. Check your packing slip for back-ordered items.

CHECK

- If goods are lost or damaged while in transit, to the knowledge of the carrier, they are required by law to note loss or damage on your express or freight bill. Make sure the driver does so, before you accept the shipment.

REMEMBER

- Transportation rates are made in proportion to damage liability. Therefore, the carrier, not the shipper, should be charged with all loss or damage claims.
- File your claim promptly.

VERY IMPORTANT NOTICE

We know it is much easier to simply return the damaged goods to Allied and ask for replacement. We both pay for the carrier to insure safe delivery and Allied Supply should not and will not bear the cost of replacement.

Allied Supply respectfully insists that proper claim procedures are followed as outlined above. Any damaged merchandise returned without following the above instructions will become the customers responsibility and replacement or repair costs will be charged.

Thank you for your cooperation.

BAND INSTRUMENT PARTS

The parts listed in this catalog were made possible by the excellent cooperation of the manufacturers whose parts are shown. The selection of parts was determined by us (repair technicians) anxious to help and serve you (repair technicians).

HOW TO ORDER: Simply state the part number and quantity desired. Nothing more is required.

Almost any part can be silver or nickel plated at an extra charge of 30% if not already supplied in the desired finish. Special finishing may delay shipment.

OBSOLETE PARTS: Band instrument manufacturers from time to time declare parts for previous production models obsolete. This is understandable, however, in many instances these parts are still in great demand. Allied has listed in this catalog over 500 such parts that Allied has retooled and stocks for our customers.

As our parts volume continues to increase, we can more readily justify the tooling expense for more and more “obsolete” parts. Once Allied tools-up for a given part, that part will be available to our customers indefinitely, please consider this extra dimension in service the next time you place a parts order. We need volume to tool-up to make even more parts for you. Allied asks for your continued support so we will be in a position to serve you even better.

UNLISTED PARTS: If you need a part that is not listed in this catalog, we suggest: **FIRST**, order direct from the manufacturer if the part is for a late model instrument. (See complete list including addresses of band instrument manufacturers on the last pages of this catalog.) **SECOND**, we suggest you order a part that is listed for another model that obviously will fit. If you do not know what can be substituted, send the old part to us. Usually we can supply a substitute for you or in the case of a brasswind mouthpiece; we may be able to duplicate your old one. **Warning:** The cost of special made parts can be prohibitive. (We do not make saxophone necks.)

ALLIED WOODWIND PADS

Allied pads are designed and made to our specifications. They are consistent in thickness and diameter and they are easy to seat.

Our pad sales continued to increase. *There must be a reason.* Allied pads have become the standard by which all other pads are judged.

If you are still buying pads out of habit from another supplier, we make this offer: Ask for samples of any Allied pads you wish to try. We will send them at no charge. Simply state “they will be used for trial purposes”.

Band Instrument Repair Tools & Repair Shop Supplies

Allied offers a complete line of quality precision brass and woodwind tools and repair shop supplies tools that are designed to help repair technicians achieve quality workman-ship and accomplish difficult tasks in a reasonable time.

Since 1959, Allied has always looked for a better way of doing a task to aid technicians, around the world, with quality repair and restoration.

In a sense this is a selfish motive because every company is looking for ways to do a job quicker and more profitable. This obviously led us to experiment with various tooling.

New tool and supply ideas are sometimes a result of using items from other fields but most often technicians in the field develop tooling for the sake of expediency and approach us with their idea. It is our policy to give consideration to these ideas.

We wish to acknowledge the suggestions and helpful ideas shared with Allied by many repair technicians. Their assistance and encouragement has been invaluable. Some of the tools shown in this catalog would not be available without their cooperation. Allied appreciates repair technicians for their willingness to share techniques and ideas with each other which benefits everyone.

The fact that Allied Music Corporation was involved in the business of repairing and restoring band instruments places us in an enviable position not enjoyed by many other suppliers. Using a new tool or supply over and over again, Allied management and our employees did long term field tests that are difficult to duplicate.

Allied's Pledge: *Allied will not list for sale any tool or supply item that we do not believe in.* We have no ambition to become "merchandisers" just for the sake of an increase in sales. We are band instrument repair technicians interested in producing quality repair tools that will do the job in the most efficient manner at the least cost which benefits all our customers.

Every time we prepare to make a production run of a certain tool, we stop and analyze how the tool is used. Should it be redesigned? How about the material? What can we do to improve it? Is the tool really necessary?

It is very difficult to adequately describe some tools including their operation. We ask that you do not hesitate to order any tool or supply item because you are not sure it will work well for you. If it does not, simply return it, in saleable condition, within 30 days and receive full credit for it.

YOU CAN HELP

If at anytime in the future you purchase an Allied Tool that is not 100% satisfactory, tell us. Or, if you have a suggestion for improvement, tell us. (If we agree, you will receive the new design free of charge). Or, if you have an idea for a completely new tool, tell us. Phone 800-281-8100.

THE BEST FEATURE OF ALL

Every tool manufactured by Allied after June 1, 1987 carries a lifetime guarantee to the purchaser. If the tool breaks or unduly wears, during normal usage, we will either repair or replace it at no charge. Simply return the defective tool along with our invoice number.

Dear Band Instrument Case Buyer:

Allied Band Instrument Cases are guaranteed to fit. We will issue a full refund and pay return shipping charges for any case that does not fit the instrument as listed.

Allied's cases are America's best case value, constructed with quality materials by craftsmen with many years experience. These attractive cases will take much abuse and protect your fine instruments.

Allied's huge inventory and prompt shipment allows our dealers to reduce their in-store stock and still give their customers excellent service.

The quality of material and construction makes Allied's wood cases stand above any cases our competitors offer.

Allied ships case orders, large or small within 48 hours. Why wait 1-2-3-4 weeks or longer for other suppliers to get around to your order? Let Allied's large stock and fast shipment be your inventory.

The "Standard" Case

The "Standard" cases use brass plated hardware and are covered with a high quality, durable, highly textured vinyl. This covering is scuff resistant and fabric backed to help prevent cuts and tears. The covering on formed cases remains unchanged.

The "Professional" Case

The "Professional" cases have solid brass hardware including combination locks. The rich leather-textured vinyl is beautiful and tough, resisting cuts and scuffing.

Best of all, Allied will prepay shipment for all orders of 12 or more cases, (Continental U.S. only). U.P.S. or FedEx (ground only) or truck, will be used. It is Allied's decision on the shipping company used, as we are paying the freight. If you, our customer, specifies a shipping company when ordering 12 or more cases, you will be billed the difference, if it is more than the shipping company we would have chosen.

CORNET & TRUMPET CASES

Compact – Totally Bound

Stylized case protected with an abrasion resistant "Black Coral" covering. Brass-plated corner guards and latches, interior pile-lined over safe-guard padding with ample accessory compartment. Secure handle and extra large hinges

12 Cornet – will hold any bell,
5¾" x 8½" x 18½"

22 Trumpet – 5¾" x 8½" x 21½"



12 or 22



11



21

Economy – Totally Bound

A quality case at a moderate price, These sturdy wood cases feature plush interiors with mute compartments and nickel plated hardware.

11 Cornet – will not hold Shepard crook bells – 6¼" x 10¾" x 16"

21 Trumpet – 6¼" x 11" x 21½"



14 or 24

Deluxe – Totally Bound

Classic raven "Black Coral" covered for resistance to wear and weather. Safe-carry handle. Elegantly lined with fiber pile over protective padding, two large accessory compartments. Designed to fit **ANY** cornet or trumpet

14 Cornet – will hold any bell,
6" x 12½" x 18"

24 Trumpet – 5¾" x 8½" x 21½"



12M



22M

Thermoformed Plastic

Black, seamless with aluminum valence, Lightweight, scratch resistant and plush interior with accessory compartment

12M Cornet – will not hold shepherd crook bells – 6¼" x 10½" x 17"

22M Trumpet – 5¾" x 9½" x 21"

26 Professional Model "The Ultimate"

Covered with "Black Coral" heavy-duty vinyl. The latches are solid brass combination locks and the case has extra large hinges. Features super grip handle, inside flap under valve section and totally bound. **There is none better!** 5¾" x 8½" x 21½"



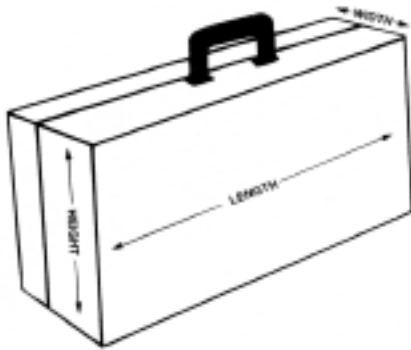
26

30 Combination Trumpet Case

Designed for the professional to carry more than one instrument, Full Gladstone, "Black Coral" covering, long bound and plush lined. If desired, cornets can be used in place of trumpets, securing pads provided 7" x 15½" x 21"

30





Note: All dimensions shown in this catalog are outside dimensions measured in inches. (width x height x length)

34 or 35



Deluxe – Totally Bound

Covered with “Black Coral” and totally bound, Interior is padded and luxurious plush lining. Secured with high quality three-point brass plated snap locks and protective corner hardware, large handle, Deluxe model – selected for the discriminating musician. Fits up to 8 ½" bell and F attachment horns.

34 Trombone – 9¼" x 9½" x 35¾"

36 Trombone – for open wrap F attachment **NEW**

35 Valve Trombone – 2 spaces: 1 for valve section, 1 for slide section – 10" x 11½" x 34"



31M

31M Thermoformed Plastic

A moderately priced molded case, Lightweight and durable, fits up to an 8" bell – 9¼" x 10½" x 35¼"



32

32 Universal Wood Case

A durable formed laminated wood veneer body, protective padding and elegantly lined with plush. Slide is held in place in the cover with a hinge flap. **NO BLOCKING REQUIRED.** There is a large accessory compartment, fits **ANY** trombone up to 8" bell. A must for your replacement stock – 9¼" x 10½" x 36"

33



33 Bass Trombone

Solid, accident proof, laminated wood body, cover with jet black Pyroxlyn, Lined with regal plush over protective padding. Minimum or no blocking required this unique case will fit most F attachment trombones. Prime quality, maximum bell diameter 10½", handslides up to 32" long, bell sections up to 33" long – 11½" x 11½" x 34¾"

FRENCH HORN CASES



72



74M

Royalite Molded and Wood Formed French Horn

Compact modern, Beautifully textured leather-like grain black exterior, Molded without seams, it is lightweight but rugged, similar to the finest air travel luggage. It is practically unbreakable and every detail is constructed for the utmost protection of the instrument. Designed for **MOST** single or double French horn models

74M French Horn

72 Custom Wood Professional Quality

EUPHONIUM & BARTIONE CASES



62, 63, 64

Formed Hard Shell

For Side Action Valve Instruments: handsomely finished for distinctive appearance. Durably constructed to protect the horn inside, black stain proof, wear resistant, bonded covering with smart plush covered padding. Heavy-duty retaining strap that holds the instrument securely, **Specify 26" or 31" length**

62 Euphonium or Baritone Horn – upright bell, side action valves

For Upright Action Valve Instruments: Same refined tough duty model as the #62 case. Interior contains same outstanding features, covered with tough easily cleaned black Pyroxlyn, **Specify 26", 29" or 31" length**

63 Euphonium or Baritone Horn – Upright bell & upright action valves

64 Fits Besson Euphoniums – One size only

BARITONE HORN CASES



66M

66M Bell Front Baritone - Molded

A tough ABS exterior with aluminum valance and 5 strong latches. Supplied with loose blocking to allow custom fitting for any bell front baritone.



66

66 Bell-Front Baritone - Rigid or Detachable Bell

A quality case that fits ANY bell front baritone horn. A rigid shell retains it's shape under hard usage. Covered with quality black Pyroxlyn, interior is lined with velvet-like plush over protective padding, loose blocking and sturdy securing straps are included. Strong handle and an inside accessory compartment make this a case that will protect any baritone.



65M

65M Upright Baritone/Euphonium - Molded

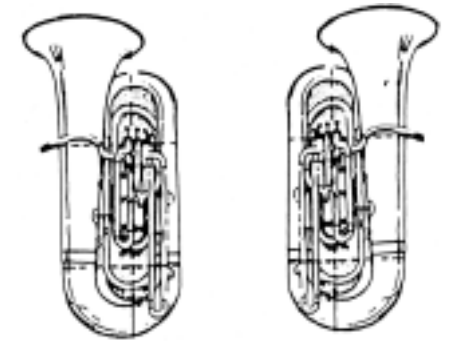
Same great features as the 66M but designed for upright bell instruments. Will fit upright or side action valve clusters.

NEW
Note-only
fits upright
action valves!



77, 78, 76M & 79

10J, 11J, 12J,
80, 83, 84, 87,
88, 90, 91, 92,
97, 98, 99



LEFT SIDE BELL RIGHT SIDE BELL

Tuba Case – Molded with Wheels

Tough, plastic molded cases with soft contour fitting interior. They have wheels and a large handles for easy maneuverability when transporting tubas from place to place. Four sizes to choose from to fit any of your tubas.

- 77** Small Frame Tubas (Bell dia. 16" Length 31½")
Fits: King 1135 & 1140, Jupiter 378 & 382, DEG 845, Blessing B-450, Yamaha YBB-102, 103, 104 & 105
- 78** Medium Frame Tubas (Bell dia. 18 to 20" Length 36")
Fits: Cervany CCB 681-5, Conn 2J, 3J, 4J, 5J, 12J, 15J, Front action, C.B./Getzen G50, King 2341, Meinl Westin 2145, Miraphone 1271, Olds O-99 and Bach 869, Rudolph Meinl RMCCC, St. Petersburg B*, VMI 3301
- 76M** Large Frame Tubas
Fits: Yamaha YBB-201 & 321
- 79** Large Frame Tubas (Bell dia. 22" Length 40 – 42")
Fits: Alexander 163 (CC or BB), Cerveny CBB681 & 681-4, Jupiter 582, Meinl Westin 2155 & 25, Miraphone 186 & 189, Musica/Conn International 2301, VMI 101 & 2103, Yamaha YBB641 & YCB861

NEW

Formed Tuba

Contoured solid wood veneer base, covered with prime Hi-Sheen black Pyroxlyn. Abundant protective interior padding, under velour-like plush, stress resistant hinges, locks and corner guards. All tuba cases can be shipped via UPS or FedEx, multiple case orders may be shipped via motor freight, unless otherwise specified.

Inside Tuba Case Dimensions

Depth x Length x Width (at first branch shoulder) x Bell Diameter (Initial R or L indicates whether bell is on Right or Left as viewed from audience.) All measurements are in inches.

- 10J** Fits: Conn 10J – 11 x 35¼ x 17 x 18¼ R
- 11J** Fits: Conn 2J, 3J, 4J, 5J & 11J – 11 x 37¼ x 17 x 18¼ L
- 12J** Fits: Conn 12J & 15J – 11x 37½ x 17x 18¼ L
- 80** Fits: Besson 785, 790 & 792 – 12 x 43½ x 19 x 19 R
- 83** Fits: King 1135 & 1140 – 9½ x 35½ x 17 x 15¼ R
- 84** Fits: Mirafone 1270 piston tuba – 9½ x 38 x 17 x 15¼ R
- 87** Fits: Yamaha YBB-102, YBB-104 & Holton BB-661R
7 7/8 x 34¾ x 15 x 13½ R
- 88** Fits: Yamaha YBB-201, YBB-321, Holton BB-346R & Bach 1108 & 1109 – 10 x 42 x 19 x 16 R
- 90** Fits: Mirafone 185 & 186 Rotary Tuba – 11 x 41½ x 19 x 16¼ L
- 91** Fits: Olds O-99 & Bach 869 – 10 3/8 x 38 x 19 x 16½ L
- 92** Fits: Yamaha YBB-103 & Holton BB-662R – 8½ x 35 x 15 x 13½ R
- 97** Fits: Holton CBB-664, Amati Kraslice 225 BBb, Besson 682, 683 & 788, Yamaha YBB-105 & Bach 1107 – 8½ x 32¾ x 17 x 14 R
- 98** Fits: Meinl-Weston 10 & 11 Piston Tuba – 7 7/8 x 35½ x 17 x 16 R
- 99** Fits: Meinl-Weston 20, 25 & Yamaha YBB-641 Rotary Tuba
11 x 42 x 19 x 18 L



82M

82M Sousaphone – Molded w/ Wheels

Lightweight plastic molded case that will fit any sousaphone, comes with wheels and a large handle for easy transportation from the classroom to the marching field. Must be shipped via Truck

20J, 85



Detachable Bell Tuba

Formed solid high quality veneer, reinforced with corrosion-proof corner guards and secure latch and hinge combination. Covered with Jet Pyroxlyn and lined with heavy plush. These are 2 piece cases and are only sold as a pair.

20J Fits: Conn 20J, 21J, 24J, 25J and Mirafone 2-piece Tuba

85 Fits: King 1240 & 1241 Olds O-98, O-98-4, Reynolds TB-11, 12, & 15 and some others

Economy Bound Wood Cases

A moderately priced case that offers high quality, Perfect for rental instruments or student line instruments, Accessory compartment and protective plush lining

132 Alto Saxophone

6¼" x 10½" x 17"

142 Tenor Saxophone

7½" x 13" x 32½"

132



142



134M



144M



Thermoformed Sax Cases

Lightweight and very economical, Tough plastic exterior and soft plush lined interior

134M Alto Saxophone

6" x 10" x 23¾"

144M Tenor Saxophone

7¾" x 13" x 32¼"

134 or 144



Totally Bound – Solid Veneer

Fits any saxophone securely, Rigid laminated shell covered with jet black, chip and abrasion resistant vinyl, edge-bound. Interior lined with top quality plush over substantial padding. Two large accessory compartments, corrosion resistant latches and protective corner hardware

134 Alto Saxophone

5¾" x 11" x 24¼"

135 C-Melody Saxophone

5¾" x 11" x 26½"

144 Tenor Saxophone

7" x 12" x 32½"

145 Tenor Sax – for extra wide Buescher

"400" – 7¾" x 13" x 32¼"

Professional Model "The Ultimate"

Covered with high quality, heavy-duty vinyl. The latches are solid brass, combination locks and extra large hinges. Features two super grip handles, heavily padded and plush lined interior, & totally bound. **THE BEST!**

136 Alto Saxophone

6" x 12" x 25"

146 Tenor Saxophone

7" x 12" x 32¼"



136 or 146

Soprano Saxophone Case

Fits any soprano snugly, Black weather resistant, stain resistant covering with tarnish-proof latches and corner protection. Smart pile lining over generous padding

130 Soprano – Straight,

5" x 4½" x 27½"

131 Soprano – Curved,

5¾" x 8½" x 19"

130



Ordering Note: Allied Alto and Tenor Cases will not fit old style saxes that have opposing B and Bb bell keys – i.e. B & Bb bell keys that are on opposite sides of the bell – these are found on saxes made before 1940.

133 or 143



Allied Exclusive – Formed Alto and Tenor Saxophone Cases

These compact, formed, high-quality alto and tenor cases feature strong handles, sewn trim, brass hardware and high-quality vinyl covering for durability. They are lightweight and comes with shoulder straps for easy carrying.

133 Alto Saxophone – 6" x 11¼" x 26½"

143 Tenor Saxophone – 7½" x 13¼" x 36¼"

152M



NEW

152M Baritone Saxophone – Molded with Wheels

Finally a baritone sax case that even small students can move around, same great features as our ever popular 152 case but it has wheels!! Lightweight molded plastic with inset wheels, accessory compartment with strong latches and handle, this case will fit **ANY** Standard or Low A model.



152, 153,
or 160

Formed Solid Veneer Baritone and Bass Saxophone

Shaped from stress-proof laminated wood and covered with rich black Pyroxlyn. Surface is easily maintained with a damp cloth. Smart plush lining covers this resilient padding. Provided with a large accessory compartment, super secure handle, Fits **ANY** model as indicated.

152 Baritone Sax – Fits: Standard and Low A models, 9" x 16½" x 44½"

153 Baritone Sax – Fits: King Model w/ permanently attached mouthpipe, 8¾" x 18" x 42"

160 Bass Sax – this is a **BIG** one and will hold **ANY** bass Sax, 12½" x 21½" x 54"

CLARINET CASES



92M Molded Bb Clarinet Case

A tough durable clarinet case that is perfect for students. Compact and attractive – 3½" x 7¾" x 12"

92M



94

94 Five Piece Bb Clarinet

Dignified model, Rigid hard shell construction covered in distinctive black and completely bound. Protective corner hardware maintains its sparkle! Two compartments – 1 in the cover for music and 1 for accessories – 4¾" x 10½" x 14"

93M Molded Bb Clarinet Case

Our popular French style case, which is compact and strong designed to protect the finest clarinet – 3¾" x 8" x 13¾"



93M



93

93 Five-Piece Bb Clarinet

Fashionable black abrasion-proof cover, completely bound and secured with brass plated locks and corner hardware. Contour formed interior with compartments for accessories 4" x 8¾" x 13¾"



104



105

5 piece Clarinet – Wood – Economy Model

These lightweight fully bound wood cases offer quality at a moderate price. The "carryall" case features a music compartment in the lid.

104 Standard Clarinet – 4¼" x 8" x 15"

105 Carry-All Clarinet – 4½" x 10½" x 14¾"

95



95 Professional Model – The “Ultimate” Bb Clarinet Case

Rigid, hard shell, totally bound construction covered with “Black Coral” heavy-duty vinyl. The latches are brass plated combination locks. Two compartments – one in the cove for music and one for accessories – 4¾" x 10½" x 14"

102



102 One–Piece Metal Clarinet

Will hold any metal clarinet up to 22¾" long – 3½" x 5" x 24"

ALTO & BASS CLARINET CASES

192 or 202



Alto and Bass Clarinet – Five piece – Totally bound

Gracefully fashioned with black trouble free covering, Quality plush lined and sculpture padded, Brass plated corner guards and dependable latches. Super secure handle and will fit **ALL** makes

192 Alto Clarinet – 5" x 10¼" x 16¾" (inside length 15¾" maximum)

202 Bass Clarinet – 6½" x 12½" x 21½" (inside length 20¾" maximum)

194 or 204



Alto and Bass Clarinet – One Piece – Totally Bound

Ultra classic fitted case, covered in midnight “Black Coral” and totally bound. Brass plated hardware with secure handle, Lavish pile lining and generously padded. Substantial accessory compartment

194 Alto Clarinet – 5¼" x 9¾" x 29½"

204 Bass Clarinet – fits any model w/ low Eb on body **or** bell – 6¼" x 9¾" x 37"

FLUTE CASES



113M & 114M



115M & 116M



122M

Injection Molded Flute and Piccolo

Handsomely crafted in rugged black exterior, refined quality plush interior, contour formed for total security, positive and dependable latches.

114M Flute – C Foot

113M Flute – B Foot

122M Piccolo

115M Combination C Foot Flute & Piccolo

116M Combination B Foot Flute & Piccolo

111M or 112M



French Style Flute

Classic design, these rugged compact cases offer the ultimate in protections and style.

111M French Style Flute – C Foot

112M French Style Flute – B Foot

OBOE & BASSOON CASES

172M



172M Molded Oboe Case

A perfect, lightweight student oboe case, Tough plastic exterior with plush lined interior – 3¼" x 7¾" x 12"

174M



174M Vinyl Oboe Case

Durable, affordable, molded case to fit ANY oboe – 3¾" x 8" x 14"

174



174 Oboe – Totally Bound

Brass plated hardware combined with "Black Coral" covering makes this an attractive case to fit ANY oboe 3¼" x 8½" x 13¼"

182



182 Bassoon – Totally Bound

Fully blocked, heavily padded, and plush lined, Exceptional quality, Will fit ANY bassoon that has the low Bb key on the bell – 5" x 12" x 27"

LATCHES, CATCHES & DRAW BOLTS



A614 Draw Latch Molded Cases (small)



A630 Draw Latch Molded Cases (large)



A636 Latch Molded Cases (small)
Fits our #114M Flute Case

Latch Wood Cases-Nickel
A619 Nickel Plated
A637 Brass Plated



A615 Latch Molded Cases-Nickel. Back of latch is cut out to allow for valance on molded cases.

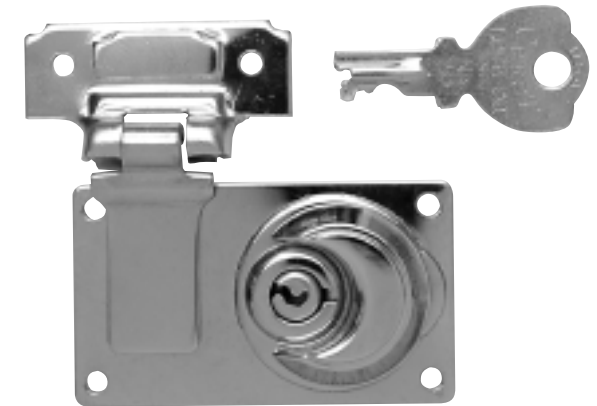
A669 Surface Catch Economy
Nickel Plated



A638 Surface Latch - Leblanc Style - Nickel
A638-B Surface Latch - Leblanc Style - Brass



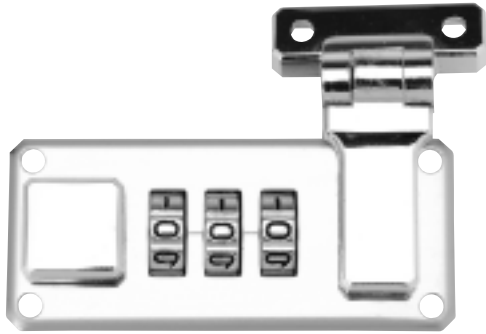
A612 Draw Latch - wood case
Nickel



Flush Latch
A613 Nickel Plated



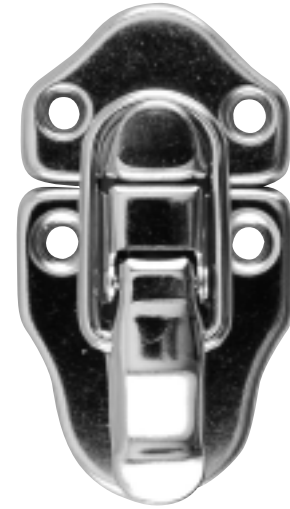
CASE HARDWARE



Combination Locking Latch. Complete Brass plate.
A681-L Left Side
A681-R Right Side



Hasp Flush Latch
A617 Nickel Plated



Draw Bolt Large Cases (small)
A632 Nickel Plated
A648 Brass Plated



Draw Bolt (medium)
A666 Nickel
A667 Brass
A702 Nickel - w/valance cut out
A703 Brass - Locking-no keys



Draw Bolt Large Cases (large)
A616 Nickel
A646 Brass Plated



A688 Draw Bolt (large) Nickel Plated



A663 Draw Bolt (large) Nickel Plated - Locking

HINGES



A625 Hinge (Flute & Clarinet Wood Cases)



Hinge (Wood Cases)
A622 Nickel Plated
A635 Brass Plated
A624 Nickel Plated - no stop



A623 Hinge (Large Wood Cases)



Hinge (Wood Cases)
A620 Nickel Plated
A643 Brass Plated



A621 Hinge (Molded Cases)



Hinge (Large Wood Cases)
A627 Nickel Plated
A634 Brass Plated

MISCELLANEOUS TRIM



Corner (Small Bound Cases)
A650 Nickel Plated
A652 Brass Plated



Corner (Medium Size Cases)
A672 Nickel Plated
A673 Brass Plated

CASE HARDWARE



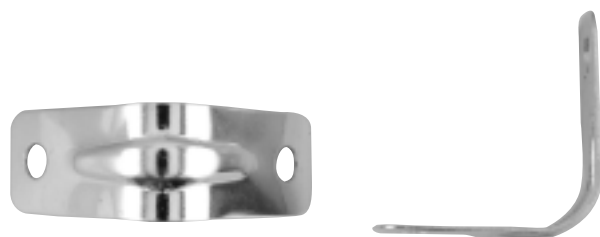
A651 Corner (Tuba & Amplifier Cases)



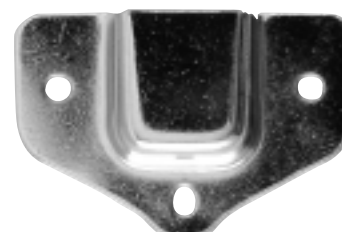
Lid Dowel
A696 Nickel Plated
A697 Brass Plated



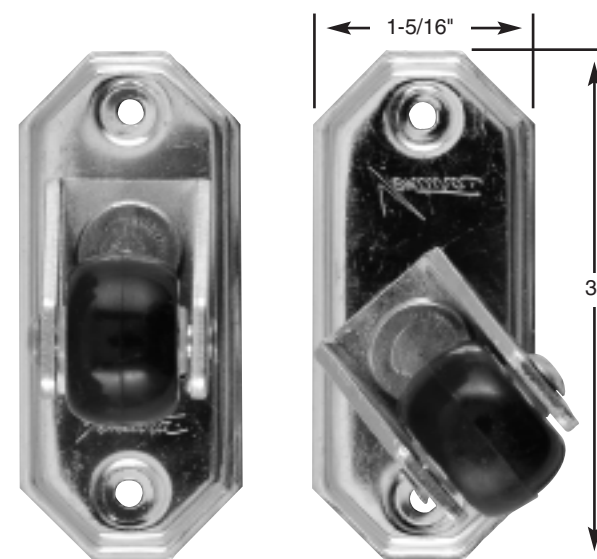
A979 Zipper Pull Replacement
How many old cases (especially Selmer saxophone) have you seen that have a good zipper but the pull is missing? Here is a replacement that can be installed in less than a minute. 2 per package.



Angle Brace
A670 Nickel Plated
A671 Brass Plated



Lid Dowel (Guide) Large
A694 Nickel Plated
A695 Brass Plated

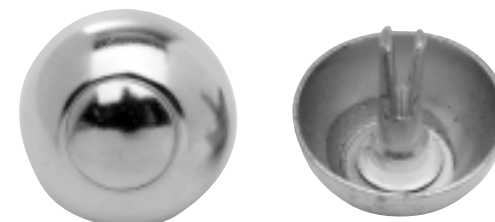
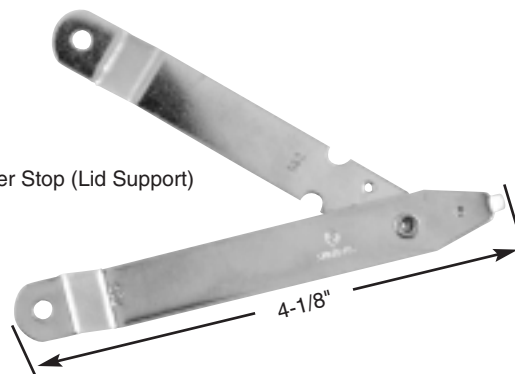


Casters
A698 Fixed
A699 Swivel



Corner Edge
A689 Nickel Plated - Either
A690-L Brass Plated - Left
A690-R Brass Plated - Right

A653 Cover Stop (Lid Support)



A675 Case feet w/rivet, Brass plated
A701 Case feet w/rivet, Nickel plated

HANDLES



NEW

A645 Plastic Mouthpiece Insert
Fits: Cornets, Trumpets, and Trombones



A599 Brown - Bach & Edwards Style, Leather (Brass Trim)
A604 Black (Nickel Trim)
A674 Black (Brass Trim)



A1695 Black - Cornet, Trumpet, Baritone Cases
A1696 Black - Large Sax, Tuba Cases

HANDLE TRIM



A644 Handle Loop (Nickel - Medium)



A603 3 Piece for Molded Cases (Black)



A607 Black Leather – 6" Buckle-on
A605 Black Leather – with Metal Insert



A642 Post Loops with Pins & Screws (Nickel)



A606 Sewn Cover - Metal Core Nickel Trim, Black



A609 Black Flute Case (Nickel Trim)



A641 Post Loop Pins



Brown (plastic)
A600 Nickel Trim
A676 Brass Trim
Black (plastic)
A601 Nickel Trim
Burgundy (plastic)
A1699 Brass Trim



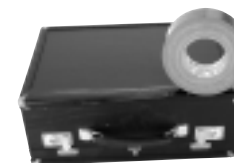
A631 Black Leather, buckle-on, side mount

CASE HARDWARE

BLIND RIVETS

Many technicians requested we sell blind (Pop™) rivets in our catalog. We have tried to show the rivets most often used. If you can suggest additional sizes, we will add them to our inventory. The rivets we show are aluminum with a coated carbon steel mandrel and a dome head. Perfect for case repair, **Sold in packages of 100.**

Part #	Body Diameter	Grip Range	Head Diameter	Use Drill #	Overall Rivet Length
A1630	1/8"	.126-.187	1/4"	30	.325
A1631	1/8"	.251-.312	1/4"	30	.450
A1632	1/8"	.313-.375	1/4"	30	.520
A1633	1/8"	.376-.500	1/4"	30	.640
A1636	1/8"	.501-.625	1/4"	30	.750



CASE REPAIR TAPE

You asked for it! After much searching we found a cloth tape that does an excellent job of repairing band instrument cases. It is wide enough to wrap around the case edge. One roll is enough to bind all eight edges of 19 trumpet or 15 alto saxophone cases. 2" x 60yd. (51mm x 54m) roll

A664 Black Tape
A665 Brown Tape

PEEL RIVETS

These rivets have aluminum bodies with steel mandrels. When compressed they form their own "back-up" washer. You will save a lot of time using this rivet!! **Sold in packages of 100**

Part #	Body Diameter	Grip Range	Use Drill #	Overall Rivet Length
A1640	1/8"	.126-.187	27	.435
A1641	1/8"	.251-.312	27	.610
A1642	1/8"	.376-.437	27	.690
A1643	5/32"	.376-.500	16	.800
A1644	5/32"	.501-.625	16	.860



T5034 SPLIT RIVET REMOVAL TOOL

A simple and economical tool that will assist you in removing factory installed case hardware. (You might want to order 2 as other people in the store will see how useful this is and may walk off with yours.)

SPLIT RIVETS

All are 1/8" dia. Sold in 100's

Overall length is shown.

A677	11/16"	Nickel plated
A678	5/8"	Nickel plated
A679	1/2"	Nickel plated
A680	3/8"	Nickel plated
A750	3/8"	Brass plated
A751	1/2"	Brass plated
A752	9/16"	Brass plated

BACK-UP WASHERS

A back-up washer is a must to prevent a pop rivet from pulling through a case, **Sold in packages of 100.**

A1634 For 1/8" Rivets

A1635 For 5/32" Rivets



T3050 RIVET TOOL

A high quality hand tool designed to set all 1/8" and 5/32" blind or peel rivets, a great tool for your tool box.

MISCELLANEOUS

A1692	Case Handle Loop Rivet, Nickel plated, 25/32" long, package of 25
A1693	Case Handle Loop Rivet, Brass plated, 25/32" long, package of 25
A692	Screw – Phillips oval head, package of 100
A691	Washer – for oval head screw, package of 100
A693	Hold Down Strap – for inside larger instrument cases
A649	Carry Strap: 1" wide, black nylon, 2 snap hooks, adjustable from 43" to 86"

NEW



T5067 BACK-UP WASHER TOOL

This tool holds the back up washer in place with magnets while setting the rivet. Great for case repairs where you don't want to remove the lining to hold the washer. Works with both 1/8" and 3/16" diameter rivets. This is a must tool for your shop and a real time saver!!

BRASS MOUTHPIECES



SILVERPLATED MOUTHPIECES

All brass instrument mouthpieces are manufactured with a precision cup and backbone. Mouthpieces are made from solid brass, hand polished and double silverplated for a long lasting finish. Each mouthpiece is checked against our standards. The number indicates the size of the cup – the smaller the number the larger the cup. Letters indicate the depth of the cup – A being the shallowest, E being the deepest.

Cornet

1C-C
1 1/2C-C
3C-C
7C-C
10 1/2C-C

Trumpet

1C-T
1 1/4C-T
3C-T
5C-T
7C-T
7C-Special (special pricing)
10 1/2C-T

Flugelhorn

3C-F

French Horn

11-FH

Trombone/Baritone

6 1/2AL-TB
12C-TB

Bass Trombone/Euphonium

1 1/2G-BT
6 1/2AL-BT

Tuba/Sousaphone

18-TU
25-TU



MOUTHPIECE ADAPTERS – Nickel Plated

A1655 French Horn to Mellophone
A1656 Tenor T-bone to Bass T-bone
A1657 Tenor T-bone to Besson Euphonium



ZIPPER MOUTHPIECE POUCHES

Zipper vinyl mouthpiece pouches, made from heavy gauge vinyl with a reinforced opening. The best on the market.

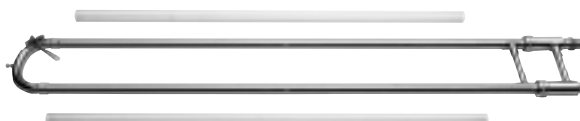
200SR Trumpet/Alto Horn/ Mellophone
300SR Trombone/Bass Trombone/Tuba



REED TRIMMERS

Allied reed trimmers feature a hollow ground steel cutting edge for an accurate, clean trim. Constructed of steel with a solid frame and an infinitely adjustable regulator, they will give years of dependable service.

400P Bb Clarinet
500P Alto Saxophone
600P Tenor Saxophone
700P Baritone Saxophone



A529 SLIDE PROTECTORS

A unique product that protects trombone outside slide tubes from dents and nicks. Will fit any trombone and is easily installed and removed, a must for your rental inventory. A set of these only weighs 1.5 oz. Sold in pairs.



REED MOUTHPIECE KITS

Allied reed mouthpiece kits include a deluxe medium face mouthpiece, ligature and cap. Perfect for rental and the beginning student.

16K Bb Clarinet
17K Bass Clarinet
18K Alto Saxophone
19K Tenor Saxophone
20K Baritone Saxophone



LIGATURES

Allied ligatures are deluxe, extra strong metal with heavy nickel plating. They grip the reed firmly but allow for complete vibration.

16L Bb Clarinet
17L Bass Clarinet
18L Alto Saxophone
19L Tenor Saxophone
20L Baritone Saxophone
20L Slim Baritone Sax Lig - for sm diameter mouthpieces.



CAPS

Allied reed caps are heavy, nickel plated metal with vent holes and will protect the fragile portions on the mouthpiece.

16C Bb Clarinet
17C Bass Clarinet
18C Alto Saxophone
19C Tenor Saxophone
20C Baritone Saxophone

TOOLS

SOLDER TOOLS



T4245 ACETYLENE TORCH KIT (w/#3 tip)

The perfect torch kit for reed assembly benches and general purpose soldering. The torch has a stainless steel ball valve for durability and a handle designed for comfort. The combination regulator/gauge is all brass construction and fits "B" type cylinders. Supplied with a #3 tip. The optional twister tip, produces a rosebud flame that is perfect for silver soldering!

T4246 #1 Tip - Smallest

T4249 #2 Tip

T4247 #3 Tip

T4248 #4 Tip - Largest

T4252 Twister Tip #A3

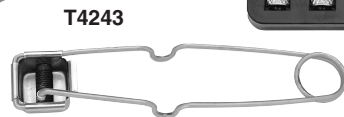


NEW

T4252



T4242



T4243



T4244

ACETYLENE TORCH ACCESSORIES

T4242 'B' Tank Wrench

T4243 Flint Striker

T4244 Replacement Flints 5/pkg



T5010 PORTABLE BUTANE TORCH

A portable butane torch that you can take anywhere. Adjust the flame to install woodwind pads or solder brass instruments. Does not require "special" fuel. Use any butane from your local convenience store.



GAS /AIR TORCH

For those shops that have natural gas outlets or propane available and an air compressor, this is the torch of choice. Used throughout the instrument industry.

T4255 Handle with #0 Tip

T4256 #0 Tip

T4257 #1 Tip

T4258 #2 Tip

T4259 Oxy / Gas Tip

T4260 Replacement Valve Green (Air)

T4261 Replacement Valve Red (Gas)



NEW

T5043 TORCHMATE®

Everyone should have one of these next to their torch, no more flint striker, will light your torch very quickly.



T4050 TORCH HOLDER

A simple tool is to hold your torch when not in use. Cadmium plated. The end is threaded to screw into bench top, 10" long.



T1402 TRIANGULAR SCRAPER

A triangular scraper is easy to control when scraping solder joints. Can be easily sharpened on a grinding wheel.



T4015 CURVED SOLDER SCRAPER

Use to remove excess solder anywhere, especially in tight places.



T4017 SWIVEL HEAD DEBURRING TOOLS

The handiest deburring tool we have ever used! Place hardened swivel head in tube, hold handle firmly and move hand in a small circle. Works fast on all metals or plastics and leaves a smooth chamfer on the inside of the tube.

T4030 Replacement Blade



FROZEN SLIDE RODS

Now two sizes to choose from use for pulling a stubborn frozen slide tube on any instrument. Remove slide crook, solder rod in tube, clamp rod in vise, spray with penetrating oil and work out tube. Solid brass.

T1404 Small Rod – for tubes up to 5/8" in diameter

T5032 Large Rod – for tubes from 1/2" to 1" in diameter



T1418 ANGLE SLIDE PULLER

Made to clear the bell rim on cornets and trumpets when pulling frozen 3rd and tuning slide tubes.



A1068 SOLDERING GLOVES

Heat resistant gloves used when soldering.



T1616 REAMER

Hardened and ground steel reamer. Tapers from 1/8" to 1/2".



TUBE BRUSHES

Crimped wire brush easily removes crud and corrosion from tubes & ferrules prior to soldering. Nothing works faster or better.

T1203 3/8" dia.

T1204 1/2" dia.

T1205 5/8" dia.

T1206 3/4" dia.



TUBE BRUSHES

Works great for cleaning the outside of tubes before soldering. Very fast and efficient.

T4271 3/8" dia. External Tube Brush

T4272 1/2" dia. External Tube Brush

T4273 5/8" dia. External Tube Brush

T4274 3/4" dia. External Tube Brush



T1788



T1423



T1424



T1425

STAINLESS SOLDER CLAMPS

Saves burned fingers and eliminates wiring parts while soldering. Four sizes to fit all your soldering needs. Made from stainless steel

T1788 'U' Clamp

T1423 Small Clamp

T1424 Medium Clamp

T1425 Large Clamp



T4026 SOLDER WICKING

Saves time! Instead of trying to get at those hard to reach areas to wipe off excess solder, use solder wicking instead. Heat solder and wicking will absorb excess. 10 Foot Roll.



T1722 HEAVY DUTY NEEDLE SCRAPER

Many uses. Scrape under braces, posts and ferrules to clean before soldering. Use to apply small amount of soldering flux. Use to clean dirt out of any recess.

T1522 Replacement Tip



T4120 3 PC. PROBE SET

Endless possibilities for these tools. There is no need to bother your dentist for their old dental hand tools any longer.



T4029 SOLDER HOLDER

Holds 25 feet of solder. Much easier to handle than a one pound roll while soldering. More efficient than breaking off small pieces.



T1770 3rd HAND SOLDERING JIG

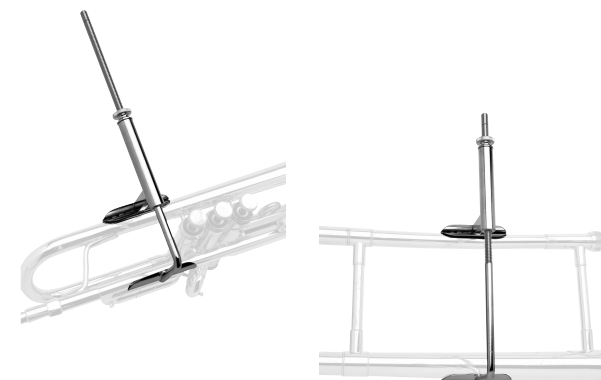
Difficult soldering jobs made easy. Work is held in cross-locking tweezers which is mounted in a double ball joint attached to a heavy base.

T1771 Replacement Tweezers



T1044 TROMBONE INSIDE SLIDE SPACER TOOL

When inserting the spacers between the inside slide tube and cork barrel all parts will be perfectly centered for soldering. Will fit any make of tenor trombone.



T1768 BELL AND MOUTHPIPE SOLDERING JIG

Two jigs in one. Can be used on cornets, trumpets and trombones. Will hold all the pieces together, including braces when soldering. Can be turned around to hold trombones for soldering.



T5031 SKITCH TROMBONE SLIDE JIG

This jig will hold the spacing of your handslide while you work on it. With this tool you can remove the end crook, remove dents in the tubes, align the tubes, then reinstall the crook and have a slide that is properly aligned ready for your customer's approval.



TROMBONE VENTURI REMOVERS

Remove those stubborn venturi tubes the easy way. Slide tool down inside slide tube on mouthpiece side. Rod is tapered to catch on venturi. Place exposed end in vise and heat the venturi solder joint. Use a twisting motion and the venturi tube will come out. Will not work if the slide is badly dented.

T1452 Tenor Venturi Remover

T1453 Bass Venturi Remover

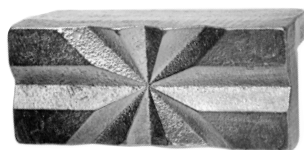
TOOLS

BRASS INSTRUMENT DENT TOOLS

IMPORTANT ANNOUNCEMENT!!

We are dedicated to quality and innovation in the many tools we supply you.

An important improvement that does not show in the appearance of some tools is material. We did extensive testing and where appropriate, all Allied tools are manufactured using stress proof, high carbon steel that resists bending and is much harder.



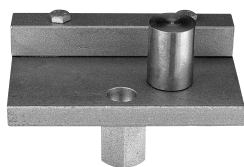
T4051 V-BLOCK

This V-Block is designed to stay on top of your vise so that you do not need "3" hands when putting a mandrel in your vise.



T1060 COMBINATION BELL IRON

A First! Allied designed a combination bell iron that has two working surfaces. One side is rounded for burnishing dents from bell flares and the other side has less of a rounded surface for tapping out sharp dents. Both surfaces are ground straight and true and then highly polished.



T1422 TUBE BENDING JIG

Why pay for preformed mouthpipes and branches? Buy universal straight mouthpipes and branches. This jig was used daily at Allied to bend any and all pitch filled tubing. Instructions included.



T1043 ROTH DENT TOOL II

Improved model with no removable extensions. Unique. A real time saver. Available only at ALLIED. The illustration does not and can not do it justice. This tool will reduce anyone's dent removal time on cornet, trumpet, French horn bell bends and trombone tuning slide crooks by at least half.

How is this possible? It is a great improvement over other flexible shaft methods because:

- (1) The tool is held in a vise which allows easier and faster insertion of dent ball.
- (2) Both hands are free so much more insertion pressure can be applied
- (3) Because the tool is held in a vise, dent ball removal is instantaneous. Complete instructions provided.

Our T1040 dent ball set is drilled with a #38 drill, ready to use with this new tool. Older ALLIED dent ball sets must be drilled prior to using this tool. If other dent ball sets with larger holes are used it will be necessary to purchase a coil of heavier gauge wire from your local hardware store. This tool is supplied complete with a 2 pound spool of steel wire (A833). Return for full credit if not completely satisfied. Replacement flexible coils are available.

ROTH TOOL REPLACEMENT PARTS

- T1046 Replacement Tightening Collar
- T1047 6' Flex Coil
- T1048 Flex Housing (hollow tube)
- A833 Replacement Wire for all Roth Tools
- T5005 Wire Spool Spindle for any wire spool

REPLACEMENTS FOR OLD STYLE ROTH TOOLS

- T1581 4" Flex Extension – screw in
- T1582 8" Flex Extension – screw in
- T1583 21" Flex Extension – screw in
- T1584 7.5" Solid Extension – screw in

T5030 ROTH ROD CLAMP AND SCREW

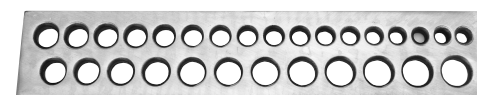
With this addition, to your pre-2005 Roth II Dent Tool, you will be able to move the rod back and forth with just the twist of a knob and finger pressure. No more keeping track of your allen wrench or fear of breaking the plastic nibs on the tightening knob. We guarantee that the rod will not slip!

ROTH DENT REMOVAL TOOL

Anyone who hasn't tried this time saving tool to remove dents is losing valuable time. It is very easy to learn to use. If you are having difficulty with retrieval of the dent balls it is because of improper forming of the wire. The wire should be bent to look like this:

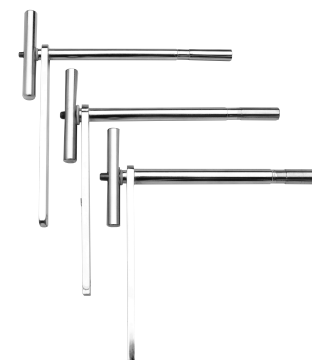


Also spray the dent ball with A989 Lubricant each time.



T1755 29 HOLE DRAW PLATE

Great for shrinking tubes and for burnishing creases out of crooks. Smallest hole is .312" (8mm) & largest hole is .750" (19mm).



TUNING AND VALVE SLIDE EXPANDERS

Removes dents from and will tighten loose and worn valve slide tubes, smallest diameter is shown.

T1415 Cornets, Trumpets, Fr. Horn (.440")

T1416 Mellophone, Flugel Horn (.502")

T1417 Baritone, Bass Trombone (.562")



T1431 DENT PULLER

A fantastic tool modeled after body pullers used in auto body shops. Solder into deep dents, slide ram and pop out dent. Also can be used for dents that cannot be reached with a dent ball. Too many uses to describe here. For the money, a great bargain. Instructions supplied.



CORK BARREL DENT TOOL

A tool Allied has used for years to save time and effort while repairing trombones. No need to unsolder inside slide to remove stubborn cork barrel dents.

T1411 Tenor Trombone Tool

T1412 Bass Trombone Tool

T4006 TROMBONE GOOSENECK ROD

Can be used on most trombone goosenecks, rod is bent to reach the entire gooseneck without binding.

**T1429 TROMBONE SLIDE ROD**

The only rod of its kind available. Removes largest dents with ease. Use tip of rod to push up dent keeping hands no more than three inches apart (to avoid bowing tube). Straight section of rod can be used for tapping out dents with a dent hammer.

**TROMBONE OUTSIDE SLIDE INTERNAL BURNISHER**

Easily removes dents on tenor and bass Trombones. **NEVER USE AN EXPANDER ON INSIDE SLIDES.**

T1413 Tenor & Medium Large Bore Tenors

T1513 Large Bore Tenor & Bass - over .565" bore

**T1421 TROMBONE HAND SLIDE CROOK ROD**

Supplied with 15/32" ball brazed to rod. No loose threaded balls to lose.

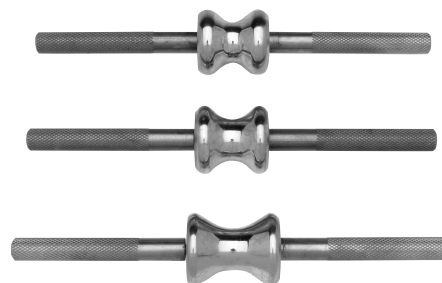
**T1020 TROMBONE SLIDE STRAIGHTENING IRON**

Takes the guess work out of bent trombone slides. Place iron in vise and rest slide on iron and rotate slowly to see where it is bent. Top side of iron is machined smooth. Iron is 22" long by 3" wide.

TROMBONE SLIDE MANDRELS

These are precision ground and hardened slide mandrels. Use a two handed roller or hand burnisher to round out slide tube and remove dent.

Size			Part No.
mm	Inches	No.	
10.7	.421	1	T1220
11.09	.437	2	T1003
11.5	.453	3	T1221
11.9	.468	4	T1222
12.3	.484	5	T1223
12.7	.500	6	T1002
13.08	.515	7	T1224
13.5	.531	8	T1225
13.9	.546	9	T1226
14.27	.562	10	T1227
14.7	.578	11	T1228
15.06	.593	12	T1229
Set of 12 Above			T1025
12.2mm	.4803		T1230
13.5mm	.5313		T1225
14.5mm	.5709		T1231

**TWO-HANDED ROLLERS**

After receiving many requests from our customers we offer three concave rollers with handles on each side. These rollers are designed for burnishing with both hands to apply greater and more even pressure. The small roller is used on a flute head joint, straight tubing and cornet/trumpet bells. The larger roller fits trombone bells. The medium roller fits everything in between. We made a major improvement by making one handle removable for those tight spots. This tool is great for trombone outside slides - much quicker and better than using old style burnishers.

T1399 Small

T1398 Medium

T1400 Large

**MOST IMPORTANT NOTE!**

All three Allied Rollers are now supplied with protective end guards. These guards eliminate the deep gouges caused by running off the roller tip. This modification makes rollers without this feature obsolete.

T1019 DENT ROLLER

A must for every repair technician!

With the solid rod mounted in vise it easily removes even large bell dents on lacquered or plated instruments with NO chance of leaving scratches. With a roller diameter of 1.75", roller length of 7" and an overall length of 18, this large roller is best for French horn, trombone and baritone horn bells.

T1401 DENT ROLLER JR.

A small version of our T1019 dent roller works best for cornet and trumpet bells. Roller diameter is 1.25", length is 6" and overall length is 18".

T1350 12" WIDE DENT ROLLER

This roller is to be used on tuba and sousaphone bells. It has a larger surface area to push up dents, roller is 1.25" x 12" and overall length is 19".

**T1351 ROLLING BURNISHER**

Allied Music originally designed this tool to work on "thin" trombone bells. Since its development many other uses have been found. Roller is 3/4" x 6" and overall length is 3 ft.

TOOLS



T1006 BARITONE ROD

Size 3' x 1/2" S-curve rod Perfect for reaching 1st branch dents on baritones. Use T1018 and T4008 Ball Sets, 1/2" x 13 threads.



T1000 3 FT. STRAIGHT 3/4" ROD

Threaded on one end for saxophones, baritones, sousaphones. Uses T1018 and T4008 Ball Sets, 1/2" x 13 threads.

T1015 3 FT. STRAIGHT 5/8" ROD

Use with our T4021 and T4022 slotted sax balls. This rod will slip past the octave tube when entering through the neck receiver, 1/2" x 13 threads.



T1023 3/4" X 1 FOOT STRAIGHT EXTENSION ROD

Made to screw onto T1000 rod to give you an extra 12" of reach for baritone saxes, baritone horns and tubas. Can also be used by itself as a one foot rod, 1/2" x 13 threads.



T1004 FRENCH HORN ROD

36" long x 1/2", both ends are threaded. Large bend will reach all the way to finger hook on a French horn, use T1005 ball. Also small bend can be used on sax bows, use T1018 and T4008 ball sets, 1/2" x 13 threads.



STRAIGHT STEEL RODS

3 steel rods for taking dents out of inside and outside tubing - 18" long.

T1064 3/8" diameter (also piccolo bodies)

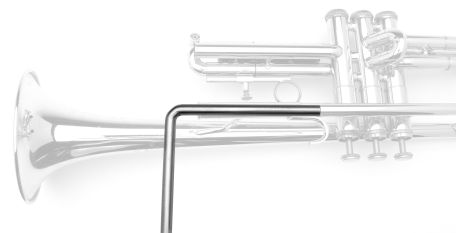
T1065 1/2" diameter

T1066 5/8" diameter



T1016 SET OF 2 DENT RODS

For baritones, sousaphones, tubas and trombone tuning slide crooks. Rods are 16" long x 3/8" O.D. Balls are brazed on both ends of rod. 5/8 & 1/2, 1/2 & 7/16" balls.



T1430 90° DENT ROD

Another Allied exclusive. Designed for removing dents from upper outside tuning tubes on cornets and trumpets. This is the only rod available that will get past the bell flair.



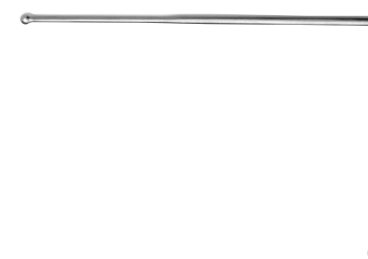
T1026 TRUMPET/CORNET BELL TAIL ROD

Use this rod when the bell is removed and the bell tail needs to be burnished. The rods 25" length makes sure the bell stem and flair do not hit the vise.



DENT RODS

This set of tools is designed for trumpet, cornet, French horn, mellophone & alto horn. Rods have 3/8" balls brazed on both ends.



T1014 RIGHT ANGLE DENT ROD

Designed for trumpets and cornets when there is no clearance to get by the bell to take out mouthpipe dents. Rod has 3/8" balls brazed on both ends.



T1013 TRUMPET AND CORNET MOUTHPIPE ROD

Made specifically to push up dents by reaching in receiver end of mouthpipe.



T4000 FRENCH HORN MOUTHPIPE ROD

Reaches first 8" of French horn mouthpipe from receiver end to push up and tap out dents.

REMOVABLE BALL DENT RODS

All the dent rods below are what we have sold for years that have brazed on balls. After many requests from repair technicians we are now offering these fine rods with interchangeable balls. They all have 1/4" x 28" threads and use our T1126 or T1128 five ball sets. The threaded portion is specially designed to eliminate the problem of the dent balls wobbling loose when using.



T1120 STRAIGHT ROD

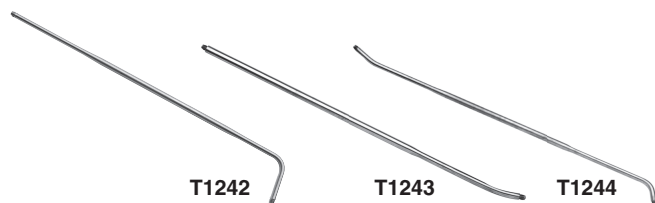
24" long and 1/2" diameter rod.



T1240 Saxophone Mouthpipe Rod



T1241 Trombone Handslide Crook Rod



Dent Rods for Knuckles and Straight Tubes



T1245 Right Angle Dent Rod for Mouthpipes

TAPERED RODS

BEST DESIGNED CONCAVE TAPERED MANDRELS

The only mandrels you need to remove bell dents from all Cornets, Trumpets, Flugelhorn and Trombones. Best fitting mandrels available. These are not cheap and should not be confused with short, poor fitting mandrels.



T1437 TRUMPET MANDREL

The straight taper of the trumpet mandrel fits all trumpets. Used from end of stem to bell engraving. Then finish with T1438 Cornet mandrel. Smooth, highly polished surface with no dips or bumps. Tapers from .440" to 1" over 22" and is 30" long.



T5055 TRUMPET MANDREL EXTENSION For the T1437 Mandrel

Also known as the "Pratt Nub Extension" as Michael Pratt designed this when a student in Red Wing, it gets to that hard to reach area at the top of the crook on trumpet & cornet bells. Drill and tap your favorite trumpet mandrel (or have a local machinist do this for you) with 1/4 x 28 threads and then just screw it in when needed.

NEW



T1438 CORNET MANDREL

The cornet mandrel is a duplicate of a manufacturer's bell drawing mandrel. This insures an excellent fit. Will fit from bell flair seam to end of stem on cornets and from bell flair seam to valve cluster on trumpets.



T1439 TROMBONE BELL MANDREL

This trombone bell mandrel is used from tuning slide to receiver brace. Full 30" length, tapers from .590" to 1" over 22".



T1440 TROMBONE BELL THROAT MANDREL

This large trombone bell mandrel fits from the receiver brace to the bell flair seam. Not a straight but a concave taper-see photo.



T4001 TAPERED TRUMPET MOUTHPIPE ROD

To be used on badly dented trumpet mouthpipes that have been removed from the valve section. Also great for piccolo head joints, overall length is 14", .312" to .453" over 10"

KNUCKLE TOOLS



T5023 1/4" BALL SMALL KNUCKLE TOOL

Designed by John Huth, this 12" long tool will become your favorite tool to remove dents quickly and easily in all the crooks of trumpets and cornets without unsoldering the crook. Balls are permanently attached.



T1011 SMALL KNUCKLE TOOL

Takes dents out of knuckles on trumpets, cornets, French horns, mellophones and other small horns. Tool has a 3/8" ball brazed on the end.



T1012 LARGE KNUCKLE TOOL

For use on baritones, tubas, and sousaphones. Tool has a 1/2" ball brazed on the end. Ruggedly built.



T1601 FLEXIBLE KNUCKLE TOOL

This tool can be bent with a plier to reach where the T1011 and T1012 won't.

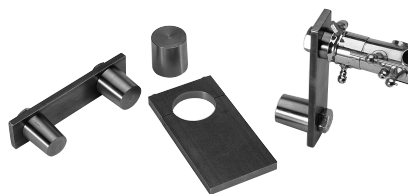
TOOLS

REED DENT INSTRUMENT TOOLS



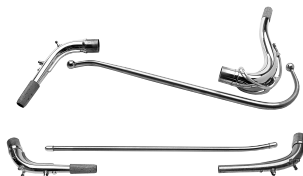
T1239 BARITONE SAX DENT ROD (4')

Allied graduate Jeff Tellock suggested this rod. Both ends are bent to reach into the bows of a baritone sax. This 4' rod has 1/2 x 13 threads on both ends to accept either the T1018 or T4008 dent ball sets.



T1405 STACK STRAIGHTENER

Just the tool to straighten bent sax stack without removing keys. Simply place the proper size plug in receiver, determine which direction the stack is bent and lightly strike end of tool on bench once or twice.

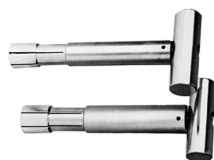


SAXOPHONE MOUTHPIPE RODS

The only rods needed to remove dents from most saxophone mouthpipes. The "S" rod can also be used on Sousaphone and Tuba crooks.

T1432 "S" Rod – 5/8" balls on each end

T1433 Straight Rod – brass balls on each end



SAX MOUTHPIPE TENON EXPANDER

Now apply even pressure to expand worn and loose fitting sax mouthpipes. These expanders have a big 4" 'T' handle which is easier to tighten than a knurled adjusting nut. Two sizes to choose from. Note: Also use this tool to check I.D. of female receiver to make sure it is straight and round to eliminate air leaks.

T1510 Alto and Baritone

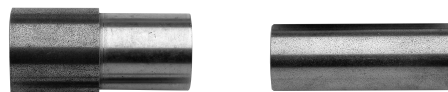
T1511 Tenor

28



T1021 METAL TENON EXPANDER

An old standard is reborn! Allied took the old crank style expander and made it better. Improved machining guarantees perfect roller alignment. Rolling hand grip allows smoother control. Larger roller eliminates ridges if used properly. All steel construction! Perfect for sax necks and alto/bass clarinet tenons.



SAX MOUTHPIPE STRAIGHTENER

Makes an easy job of straightening bent and out of round sax mouthpipes. Simply place slug in vise put mouthpipe over slug and pull neck sideways while squeezing down on high spots with fingers of other hand. Two sizes

T1520 Alto & Baritone

T1521 Tenor



T1705 SAXOPHONE BOW DENT ROD

Used to remove bow dents from all saxophone bows. Reaches through bell to remove toughest dents. This three foot curved rod uses T1018 or T4008 Dent Ball sets. 1/2" x 13 threads on both ends.



T5057 SAX DENT ROD - with 2 threaded dent wafers/balls

Our friend & Allied graduate, Ed Montueful, suggested we make this very useful dent tool, it's an 18" long rod, threaded on both ends and supplied with 2 different size 1/2" wide wafer/dent balls. Mount in your vise, take the key off a sax, insert into the sax and remove the dents around that tone hole or any other tone hole.



T1001 SAXOPHONE BOW DENT REMOVER

Removes bow dents by placing rod in vise and inserting balls through Eb tone hole. Steel balls 3/4" and 1" are permanently brazed on rod, 18" long x 1/2" diameter.



T1406 FLUTE HEAD JOINT MANDREL

Mandrel is machined to fit snugly in a flute head joint, use with the T1399 Two Handle Roller to remove dents quickly and efficiently.



T1407 FLUTE BODY MANDREL

Made to fit flute bodies and work like head joint mandrel listed above.

NOTE: Use our T4001 Mandrel for piccolo head joints and our T1064 Straight Rod for piccolo bodies.



T5036 FLUTE DENT TOOL

Designed by Bob Bettencourt of Rayburn Music in Boston and shown to us at the NAPBIRT convention in Boston this tool will very nicely removed dents from body tubes and head joints without raising a rigid like round balls have a tendency to do. Made from stress proof steel, overall length is 15".



PICCOLO and FLUTE TENON EXPANDERS

Precision made to apply even pressure to expand loose piccolo and flute tenons.

T1408 Flute Expander

T4018 Piccolo Expander



FLUTE and PICCOLO TENON SHRINKING DIES

Like no other offered. Now has 1" square steel base to mount in vise. No more banged up knuckles. The center hole is honed to prevent scratching. Quickly shrinks over expanded tenons. Clamp tool in vise, tighten till tool just contacts joint and rotate back and forth.

T1409 Flute Die

T4019 Piccolo Die

BASSOON BOCAL DENT-TOOL

Six sizes to remove dents from bocals easily. These tools eliminates the need for drivers.

T2310 .242"

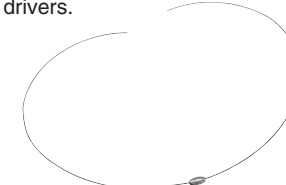
T1819 .249"

T1700 .284"

T2311 .294"

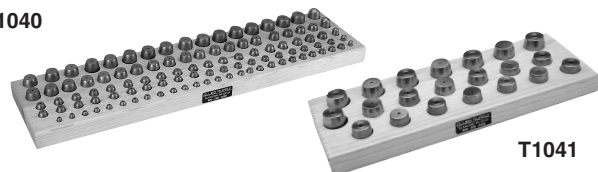
T1701 .304"

T2312 .312"



DENT BALLS

T1040



NEW

T1041

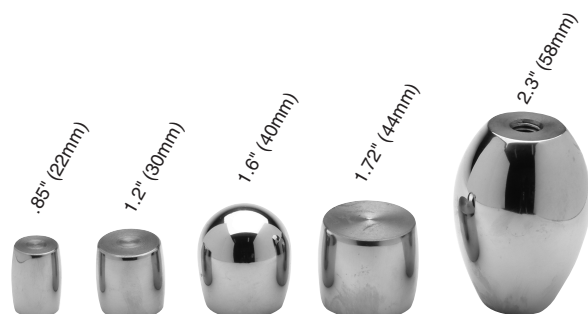
DENT BALL SETS

The T1040 dent ball set is the only tool item ALLIED has manufactured and sold to repairmen since starting business in 1959. It all began when Bob Getzen handmade the first set for his personal use. Why did he bother? Simply because a good dent ball set was not available anywhere at any price. Immediately, visiting technicians insisted on purchasing a set.

Today we use magnetic stainless steel. This material allows the use of a magnet for locating the ball while remaining rust free. The balls are shaped so as not to "tumble" but to slide through larger tubing to the point the dent is located. This set varies from .310" to 1" with sizes to fit your every need. A technician will not have to wish for a size he doesn't have - it is there. Balls are drilled with a #38 drill so they can be used with the T1043 Roth Dent Tool.

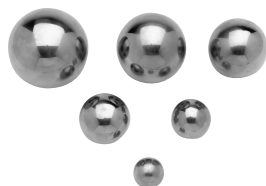
T1040 100 Dent Balls and 5 drivers

T1041 21 Dent Balls - 1" to 1.24"



T1018 BARREL DENT BALL SET

Set of 5 steel balls, ranging in size from 1" to 2.5". These will fit all of our threaded rods with 1/2" x 13 threads. These balls are not "round" balls so there is less chance of pushing your work "out of round". (Sold in complete sets only)



T4008 ROUND STEEL BALL SET

Six sizes to use: 3/4" (19mm), 1" (25.4mm), 1.25" (31.8mm), 1.5" (38mm), 1.75" (44.4mm) and 2" (50.8mm). Use for curved bows such as baritones, tubas, sousaphones, saxophone bows, etc. 1/2" x 13 threads. (Sold in complete sets only)



ROUND DENT BALL SET

Set of 5 threaded balls with 1/4 x 28 threads. These are to be used with our small threaded dent rods.

T1126 Small dent ball set 3/8, 7/16, 1/2, 9/16, 5/8

T1128 Medium dent ball set 5/8, 11/16, 3/4, 13/16, 7/8



T2301 DENT BALL DRIVER

Used to drive dent balls into tuning slide crooks. Place behind dent ball and tap with dent hammer. Eliminates shaking using drivers, Much faster. Overall length is 12".

Piccolo Dent Removal Mandrel

The tapered mandrel used for removing dents in trumpet mouthpieces, such as Allied T4001, is excellent for piccolo head joints. There is no need to purchase a special mandrel. Our T1064 straight mandrel should be used when removing dents in piccolo bodies.

Super Rigid Vise Stand

Work benches seldom afford a good enough anchor for large vises. If you have this problem it can be solved by welding a 32" length of 6" well casing to two 1/4" x 8" x 8" steel plates. Anchor one end to the floor and mount vise on other end.



T1454 TUBA "DENT BALL"

5.5" dia. x 2" (139.8mm x 50.8mm) wide, just the right size to remove dents in tuba, bell stems, designed to fit on a 3/4" dent rod only.



T1005 FRENCH HORN DENT BALL

Designed to use with T1004 rod. Small enough to reach in a French horn bell stem. Size: 1" long x 3/4" dia. (25.4mm x 19mm), 1/2" x 13 threads.



SLOTTED SAX BALLS

These barrel shaped balls are slotted to slide past octave vent tubes on most saxes from the receiver end of the stack. Fits any rod with 1/2 x 13 threads. These are real time savers.

T4021 Alto Sax Ball - .89" (23mm) x 2" (50mm)

T4022 Tenor Sax Ball - 1.05" (27mm) x 2.5" (64mm)



T2300 ROUND DENT BALL DRIVERS

Chrome steel round balls 15/32" (12mm) in diameter are excellent for this purpose. Use as many as a dozen at one time to drive the dent ball either in or out of the instrument. 12/pkg



T2302 BARREL DENT BALL DRIVER SET

Set of 12 drivers from 1/4" to 5/8" in diameter. Perfect for all slides from cornet to baritone horn. These are not threaded.

TOOLS

BRASS ASSEMBLY TOOLS



HARDENED STEEL VALVE THREAD CHASERS

(Now with easy-start pilots)

Allied has sold thousands since their introduction because Allied chasers work!! They save time!! They will cut a clean thread that assures easy valve cap operation. No longer are valve threads damaged beyond repair.

The next time you receive a damaged valve thread job, order an appropriate chaser, spend a minute or two chasing the thread, charge your customer \$35.00. You just paid for your chaser on the very first job. More thread repair jobs anyone??

Who wins? You do!! These chasers are available to you for only the price you would charge to repair one valve casing.

INSTRUCTIONS: These chasers will completely cut new threads if necessary. They must be started straight. In instances where the valve threads are worn or buffed away, simply expand valve casing using a dent ball and cut new threads.

SUGGESTION: Order only those that coincide with the prevalent makes in your area. In the future, when another make instrument with damaged threads comes in for repair, order a chaser to do that job and charge accordingly. Eventually, you will build up your set, at little or no cost.

CORNET AND TRUMPET

- T1075** Conn top & bottom most old models
- T1076** Conn top, (28 threads) (coarse)
- T1077** Conn bottom, (28 threads) (coarse)
- T1078** King top
- T1079** King bottom
- T1079** Bundy & Bach TR200 & 300 bottom
- T1080** Bundy, Bach TR300, & Buescher top (inside thread)
- T1081** Olds top
- T1082** Olds bottom
- T1083** Bach Stradivarius top
- T1084** Bach Stradivarius bottom
- T1085** Holton top – some Holton bottom
- T1087** Blessing & DEG top (inside thread)
- T1088** Blessing & DEG bottom
- T1089** Getzen top (inside thread)
- T1090** Getzen bottom and old model top
- T1091** Yamaha top
- T1092** Yamaha bottom
- T1094** Conn top (36 threads)
- T1095** Conn bottom (36 threads)
- T1113** Jupiter - top
- T1114** Jupiter - bottom

Will Not Fit
Caravelle Trumpet.
Made in Taiwan

BARITONE HORN

- T1096** Conn (14I & 15I) top & bottom
- T1097** King top & bottom
- T1093** Olds, Bundy, Bach (Elkhart) Marching top & bottom
- T1099** Holton top & bottom
- T1101** Conn (20I) top & bottom
- T1117** Jupiter - top & bottom
- T1102** Yamaha YBH301 & 301M **NEW**

EUPHONIUM and 3/4 TUBA

- T1118** Jupiter Euphonium - top & bottom

Yamaha: YEP-201, 211, 321, 621, 641
YBB-103, 104, 105

- T1100** Top & bottom - Prior to Serial #100001 Fine
- T1112** Top & bottom - After Serial #100001 Coarse

SOUSAPHONE AND TUBA

- T1105** Conn top & bottom (14K/36K Sousa & 10J Tuba only)
- T1106** King top & bottom
- T1119** Jupiter - top & bottom
- T1107** Olds & Bach 869 & 879 top & bottom
- T1098** Holton top & bottom
- T1109** Yamaha top & bottom - Model YBB102 **only**

Yamaha: YBB-201, 321, 621, 631,
YCB-621, YEB-201, 321, 381,
YFB-621 and YSH-301, 411

- T1110** Top & bottom - Prior to Serial #100001 Fine
- T1111** Top & bottom - After Serial #100001 Coarse



SPRING BARREL CHASERS

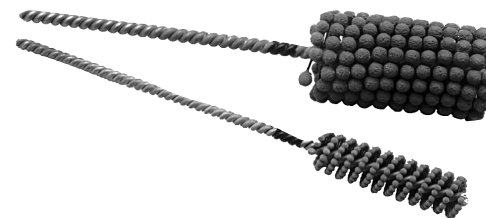
Why struggle with aluminum piston stems. This chaser easily removes corrosion left in the top of the spring barrel by aluminum piston stems.

- T1115** Bach, Bundy, Conn and King (after '94)
- T1116** Yamaha

Piston Stem Removal

Removing frozen aluminum valve stems can easily be accomplished by heating the threaded area almost red hot and then quenching it in water. This forces steam into the threads which loosens the stem and is 100% effective. Try it.

Removing bottom action piston stems that have broken off can be removed by drilling in the center of the broken stem with a 5/64 drill, then use a 5/64 screw extractor.



FLEX-HONE®

A flexible, self-centering, self-aligning, self-compensating for wear, unbreakable honing device with long life and consistent finish.

Ideal for honing and polishing the interior walls of valves and trombone slide tubes for "velvet" action. After using Flex-Hone® there is no break-in period required. The mirror polish achieved actually has a cross-hatching effect for superior lubrication.

The Flex-Hone® is used on high performance automotive cylinders to reduce drag and wear. The Flex-Hone® has hundreds of 800 grit abrasive balls mounted on a flexible shaft that plateaus microscopic scratches, cuts and torn metal.

To test the effectiveness, just run a cleaning patch through a slide before and after using the Flex-Hone® even a new one. The difference is amazing. Also it cleans out accumulated glaze of saliva and lubricants on used instruments.

Easy to use! Chuck the Flex-Hone® in a variable speed hand drill or lathe. Wet the Flex-Hone® with oil or a good grade of liquid dishwashing detergent (such as Dawn®). Rotate at slow speed and insert into tube or valve casing. As it polishes a slurry of abrasive and lubricant develops to help speed the polishing action. A couple passes in and out of each tube or valve casing will be sufficient to create a mirror finish and beautiful action. Clean up using either Flex-Hone® solvent (when using Flex-Hone® oil) or water and nylon bristle brush (when using detergent.)

The T3150 will fit all but the largest bore bass trombones which need the T3151. The T3152 puts the final touches on any cornet or trumpet valve lap job for the smoothest possible valve action. The trombone tools are good for at least 60 sets of slides. The valve tool will last through 60 valve sections.

One of the four listed will fit any Baritone, Euphonium, Sousaphone or Tuba. Remember Flex-Hones can compress approx. 10% of their diameter without damage.

- T3150** Tenor Trombone Slide
- T3151** Bass Trombone Slide
- T3152** Trumpet/Cornet/Mellophone Valves
- T3153** 7/8" diameter - Baritone/Euphonium Valves
- T3154** 1" diameter - Baritone/Euphonium Valves
- T3155** 1-1/8" diameter - Sousa/Tuba Valves
- T3156** 1-3/8" diameter - Sousa/Tuba Valves

- A905** Flex-Hone® Oil - 1 qt. container
- A906** Solvent - 1 gal. container

Note* Oil and solvent cannot be shipped by air or out of the U.S. using any carrier.



ALLIED ADJUSTABLE VALVE CASING LAPS

Allied has developed a unique method that dramatically reduces valve repair time. Allied Laps accurately hone and polish any disfiguration from the interior of band instrument casings. There is no chance to gouge or damage the interior surface as with adjustable reamers. Allied's method is much faster and more accurate than hand lapping. The toughest valve repair job is made easy. It will do the job of a honing machine at a fraction of the cost.

The unique design has a brass barrel with a series of longitudinal slots milled "off-center" to permit expansion up to 15% under pressure of the adjusting pin. Lapping compound is used. No vapor degreaser is necessary. All you need is a 3/8" variable speed electric drill as a power source, or lathe.

Complete instructions will be provided with the Laps. We suggest that you order a T2030 sized for cornet and trumpets for trial purposes to convince yourself of this tool's value. Then order the other sizes only when needed for a particular job that comes into your shop. You will pay for this tool each time it is used by saving time and by doing an extra fine quality job.

Satisfaction guaranteed if used with our lapping compounds.

- T2030** All cornets, trumpets, most mellophones and alto horns and flugelhorns
- T2031** Holton and Jupiter Baritone Horns
- T2032** King, Olds, Reynolds, Conn 10I, 24I, 15I Baritone Horns and others
- T2033** Conn 20I, 21I Euphonium
- T2039** Various Marching Horns
- T5070** Jupiter Euphoniums **NEW**
- T2034*** Yamaha and Besson Baritone, Holton Sousa, Yamaha YBB102, 103, 104 & 105 Tubas
Yamaha YEP201, 211, 321 Euphoniums
- T2035*** Besson Small Tuba, King, Olds, Reynolds, Selmer Sousaphone, 11J Conn Tuba and others
- T2036*** Conn Sousaphone 14K, Conn Tuba 10J, 12J, Yamaha YBB201 & 321 and Holton BB346 Tubas
- T2037*** Yamaha Tubas and Holton BB662 Tubas
- T2038** Conn 20JK Tuba & 20K Sousaphone

* Please measure piston diameter before ordering large horn laps to assure you are ordering correct lap.

For models not listed, the following is the range of each lap:

	Minimum	Maximum	
T2030	.640	.677	Note: Any of the above may be turned down in a lathe to fit a smaller diameter valve casing.
T2039	.720	.750	
T2031	.799	.831	
T2032	.829	.857	
T2033	.872	.899	
T5070	.900	.912	
T2034	.912	.933	
T2037	.946	.972	
T2035	.974	.995	
T2036	1.040	1.060	
T2038	1.210	1.230	



LAPPING COMPOUND

These lapping compounds are oil based but completely soap and water soluble. Non-embedding makes for quick fitting of valves and 3rd slides.

Mid Viscosity

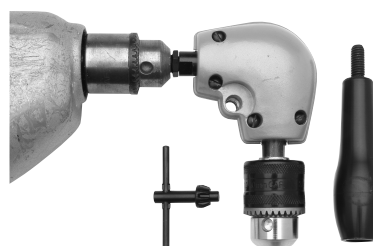
A7220 900 Grit

A7221 1200 Grit

Heavy Viscosity

A7222 900 Grit

A7223 1200 Grit



T1751 RIGHT ANGLE HONER

Perfect for Besson and other baritones and tubas which have bells or branches positioned to make hand lapping and honing difficult or impossible without unsoldering instrument. Must be used with a 1/4" or 3/8" VARIABLE SPEED drill. Put piston stem in chuck and apply lapping compound. Operate drill at a very slow speed to lap. Handle attaches for either right or left hand use. (Picture may vary from product).



VALVE LAPPING HANDLES

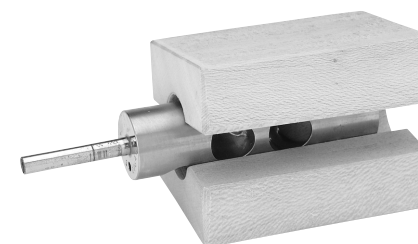
4 different threads to choose from to cover most makes of valve instruments. "T" handle design gives you great control on lapping any valve. Will thread into piston stem when lapping piston into casing or using lapping blocks.

T4130 6x36 threads – Bach, Bundy, Holton

T4131 6x40 threads – Pan American, Conn

T4132 8x32 threads – Olds, King, Getzen

T4133 4.0mm x .7mm – Yamaha



VALVE LAPPING BLOCKS

Used to lap a damaged or new piston before fitting to valve casing of instrument.

T4070 Trumpet/Cornets 5/8"

T4071 Small Baritones 3/4"

T4072 Large Baritones 7/8"

T4073 Small Tuba 1"

T4074 Large Tuba 1-1/16"



T1704 VALVE MIRROR

The best way to check valve port alignment. Poor alignment is the most common reason a brass instrument will play "stuffy".



T1787 LIGHTED VALVE MIRROR

Excellent tool for checking valve alignment. The light makes all the difference. Requires two "AA" batteries (not included).



STUCK VALVE DRIVER

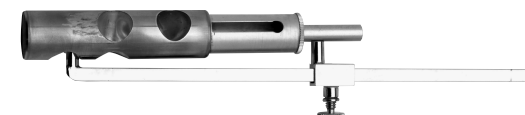
One of those, "Why didn't I think of that," tools. An easy to use tool, designed by John Huth, that will allow you to drive out stuck pistons without damaging any of the other pistons. Made out of Delrin.

T5022 Cornet and Trumpet - .649" & .664"

T5040 Baritone - .825" & .840"

T5041 Baritone/Tuba - .920" & .970"

T5042 Tuba - .995" & 1.200"



T1428 PISTON CORKING TOOL

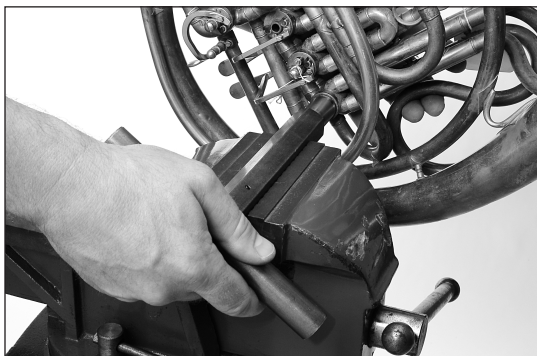
The fastest simplest and most accurate way to measure valve stem corks to properly align valve ports. Complete instructions included. See page 187.



T1685 WATERKEY SPRING INSTALLER

Small, inexpensive and very handy.

TOOLS



ROTOR VALVE BEARING TOOL

We offer this tool for the technician that does a large amount of rotor valve instrument repair. The use of collets makes this a much faster and more fool proof way of removing side play in worn rotor valve bearing than our T2024.

To use simply place tool body in vise, select proper collet, place bearing (with valve in place) in collet and tighten handle.

T2500 Tool Complete With 4 Collets & Needle Bearing

T2501 #0 Collet Only

T2502 #1 Collet Only

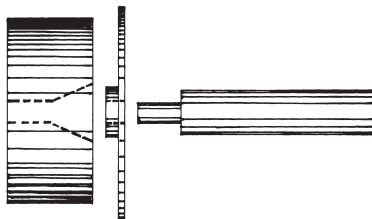
T2503 #2 Collet Only

T2504 #3 Collet Only

T5045 Needle Bearing & Races (set)



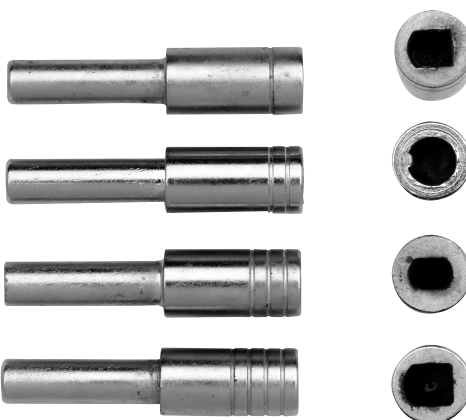
NEW



T2024 ECONOMY FRENCH HORN BEARING SHRINKING DIE

This tool will swedge both the front and rear rotor bearings that have excessive side play.

Instructions: Place guide rod in a vise. Place back bearing (as illustrated) or front bearing (entire instrument) on guide rod. Shrink bearing by tapping shrinking die with a wood or rawhide mallet, not a sledge hammer. Shrink the bearing a little at a time until slightly tight. Lap bearing using T2026 adaptor. Process should be repeated two or three times to achieve good bearing to rotor surface.



T2026 FRENCH HORN ADAPTERS

They are back!!! How can a good thing get better? By adding to it! This set now has 4 pieces (it was three) to fit Conn, King, Holton, and now Yamaha rotors (as well as others)!

Rotary valves can easily be lapped in using a variable speed drill and one of these adapters. Simply chuck the appropriate adapter in a variable speed drill, apply our water soluble lapping compound (A7220 to A7223) to the rotor and slowly revolve the rotor in the casing until a proper seat is achieved. Then apply lapping compound to the bearing and slowly revolve the rotor and bearing together to achieve a smooth operating action. Clean all parts using detergent and warm water and then reassemble the rotor, the action should be as smooth as glass. The adapters are made of nickel plated steel, will last a life time and will pay for themselves on the first two or three jobs.



T1055 FRENCH HORN LEVER STRING JIG

Holds all three levers in perfect alignment and allows both hands free to tie the string. This tool is supplied with detailed instructions that will enable even a band director to do the job. Try it, you'll like it. It could also be a good resale item.

FRENCH HORN STRING

A179 Black, braided nylon string, 50lb test, 100 yards

A1018 Yellow Yamaha Style String, 1mm dia. and 200m long



T5033 FRENCH HORN MOUTHPIECE RECEIVER FORMING TOOL

When assembling a new French horn mouthpiece and mouthpiece receiver (A171 or A176) the inside of the tube must be formed to accept the mouthpiece, this tool will do the job quickly and efficiently. (Tip: Apply a little paraffin on the tool to make it work easier)



TROMBONE BUMPER CORK REMOVER

Fastest way to remove old bumper corks from trombone cork barrels. Slide tool over slide tube, twist down and pull out old bumper.

T1426 Tenor Trombone

T1427 Bass Trombone



T1414 TENOR TROMBONE SLIDE REMOVER

Two angled and one straight wedge are supplied to make removing stuck slide sections from the bell section a snap. Place angled wedges in space between threads and nut and tap lightly with hammer. If space is too large, use straight wedge as a shim.

**WOOD MANDRELS****T4055** Trumpet/Cornet**T4056** Trombone**T4057** Large Horn (Baritone, Saxophones)**T5044 YAMAHA TUBA MOUTHPIECE WRENCH**

Use on that hard to reach mouthpiece ferrule nut found on Yamaha tubas.

**T1035 MOUTHPIECE TRUEING TOOL**

Easy to repair that damaged mouthpiece shank in a jiffy The Trueing Tool will, with just a twist, remove dents in the shank of all brass mouthpieces, from French horn to tuba. Precision made from stainless steel with small handle for easy grip. A very good resale item for repair shops to band directors.

**T1072 BOBCAT MOUTHPIECE PULLER**

This mouthpiece puller is the easiest to operate that we've used. The jaws adjust to any size mouthpiece on any brass instrument.

T1073 Replacement Jaws (pair)**T5060 VERSACRADLE WITH VISE
T5061 VERSACRADLE "C" CLAMP**

Wow, is all we can say about this very versatile tool. Mount it on your bench and use it to hold horns when soldering, ragging, working on valves. Almost complete 360° working area and you can do work knowing that the horn is held safely and securely. (Not for dent tools, the joint will not hold under excess torque) Optional C Clamp (2 needed), can be used if you don't want to mount it permanently to a bench.

**T5069 ADJUSTABLE VISE HOLDING BLOCK**

A simple tool, suggested by Theodore McDowell, that anyone can make, but who has the time? Will fit in any vise, including our new T5060 VersaCradle vise. Now you can move and hold most valve instruments in a position to solder, rag, align, etc. quickly and easily!

Overall length of Brass Instruments

These measurements are from mouthpiece receiver, through the open position of the valves, to the rim of the bell. Lengths are approximate.

Trumpet, Cornet, Flugelhorn (Bb)	52"
Alto horn (Eb)	82 1/2"
Mellophone (F)	72"
Baritone (Bb)	106"
Trombone	106"
French horn (Bb)	106"
French horn (F)	148"
Bass/Tuba (Eb)	62"
Bass/Tuba (Bb)	222"

NEW**NEW****T5046 GERHARDT SLIDE REMOVER
For trumpet & cornet slides**

Designed by Larry Gerhardt to aid his summer help remove stubborn stuck slides especially 2nd slides on trumpets and cornets, instructions included.

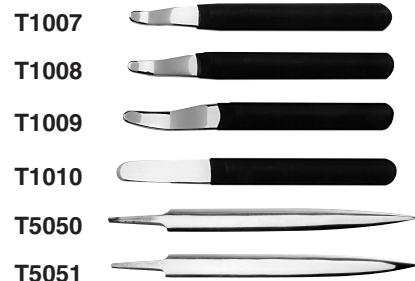
NEW**T5068 GAPCHECK**

Finally, a tool that can measure the gap from the end of a trumpet mouthpiece to the beginning of the leadpipe, this tool comes with instructions and is easy to use, once you have measured one or two.

NEW

TOOLS

BURNISHERS



Allied's Burnishers have been redesigned to improve both function and your comfort. The tangs have been removed and a comfortable rubber covered wood handle has been added. After forming, the burnishers are hardened to 62 Rockwell which eliminates buffing out scratches.

T1007 SMALL BURNISHER

Use on any small tubing especially trumpets and cornets, can be used on 2/3 of a bell stem also on trombone slide tubes.

T1008 MEDIUM SIZE BURNISHER

Use on large end of cornet and trumpet bells and small end of trombone bell stem.

T1009 LARGE SIZE BURNISHER

Use on large end of trombone bell stem.

T1010 STRAIGHT BURNISHER

The straight burnisher is used to remove dents in bell flares, use with T1060 bell iron. Burnisher is 8" long.

They look like dangerous weapons but the only things that should fear these burnishers are the dents in any piece of brass.

T5050 8" STRAIGHT BURNISHER T5051 10" STRAIGHT BURNISHER

NEW



2" BLADE BURNISHER

These two burnishers are great for getting in tight areas, around flute post ribs and trumpet braces.

T3060 Small Straight Burnisher

T3061 Small Curved Burnisher



T1017 SMALL FLAT BURNISHER

Use to remove high spots on surface of bell crooks, trombone tuning slide crooks, branches and sax bows after dent removal. Grip both the burnisher and the crook in the palm of the hand and squeeze tightly forcing the burnisher against crook, then with rotating motion smooth exterior surface of crook.

NOTE: The above burnishers are all you need to burnish any instrument.

HAMMERS



T4052 "THE WHACKER" - 3 LB. LEAD HAMMER

The ultimate dent rod rebound hammer. This hammer will allow all your energy to go into the dent. Also works very well for adjusting stubborn piccolos.



STEEL DENT HAMMER

The same hammers that our Dent Removal Department has used for years. Not to be confused with brittle hammers that break and chip.

T1419 Round Head Hammer

T1420 Flat Head Hammer

T1131 Replacement Handle - #0

T3302 DENT HAMMER MAGNET

Drill a 1/4" hole in the end of your dent hammer handle and tap one of these strong little magnets in the hole. Use the magnet to locate steel dent balls. No need to set hammer down every time you pick up a magnet. Saves time.



COMPACT DENT HAMMERS

Perfect for hard to reach areas between branches, between sax bells and stack or inside curve of braced tuning slides. In very tight spots place head of hammer on dent and tap steel handle with a regular dent hammer.

T4002 Flat Head

T4003 Round Head

A885 TEFLON SHEET

Cut to size and super glue to your hammer head to protect plated and lacquered surfaces, 6" x 6" sheet.



DELRIN HEAD DENT HAMMERS

Best hammer for play condition work. No hammer marks - no scratches - will not "work harden" brass. Lasts longer and performs better than rawhide and won't damage instrument like metal hammers. Two head sizes

T1435 Small - 5/8" dia. x 1.75" long

T1436 Large - 1" dia. x 3.75" long

T1131 Replacement Handle for T1435

T1132 Replacement Handle for T1436



RAWHIDE MALLETS

Nothing but the best hides are used in the manufacture of these mallets.

T1604 Small - 1" Dia. x 2" Length

T1605 Medium - 1.5" Dia. x 3" Length



RIVETING HAMMER

Hardened head, two sizes

T1602 2.5 oz.

T1603 4 oz.



T1434 HICKORY HAMMER

Large (2-3/8" x 5-1/2") size gives this hammer good weight and excellent durability. Mainly used for tapping up on a dent rod to raise low sax posts but there are many other uses.

**SWIVEL HEAD SCREWDRIVER**

These screwdrivers are designed for all day work comfort. They have lightly knurled aluminum bodies that are anodized for good grip. Blades are precision ground and hardened for long life. Swivel head is hexagon so they will not roll off your bench.

T1470 Screwdriver 1/16" (1.5mm) blade

T1471 Screwdriver 3/32" (2.4mm) blade

T1472 Screwdriver 1/8" (3mm) blade

T1476 Replacement blade for T1470

T1477 Replacement blade for T1471

T1623 Replacement blade for T1472

* Screwdriver
Not Included

**T4139 SKITCH SCREWDRIVER ADAPTER**

Ken Skitch, Allied graduate, designed this aluminum, cone shaped piece to fit onto our T1470 – T1472 swivel top screwdrivers. It can easily be drilled out to fit any swivel head screwdriver. This tool is designed to allow your fingers to operate your screwdriver efficiently and with as little stress on your nerves and wrist as possible.

**T1606 SWIVELHEAD SCREWDRIVER SET**

Six slotted screwdrivers with blade widths from 1.5mm to 4.0 mm.

**T1608 REVERSIBLE BLADE SCREWDRIVER**

A 4.5" long screwdriver with reversible .06" and .085" tipped blade. The aluminum body is knurled with a swivel head.

T1609 Replacement Blade

SCREWDRIVERS**ERGONOMIC SCREWDRIVERS**

The catch word is ergonomics. We have searched long and far to locate these screwdrivers. They are very affordable. They will help reduce hand fatigue. Heads swivel and the body is designed to fit the palm of your hand. Try them; we know you will like them.

T4105 2mm Blade

T4106 2.5mm Blade

T4107 3.0mm Blade

**T4108 REVERSIBLE BLADE SCREWDRIVER**

A very strong football helmet type plastic handle and a specially hardened blade. 1.5mm/3.0mm blade ends

T4112 Replacement Blade

SWIVELHEAD PHILLIPS SCREWDRIVERS

T4123 Pearl flute pad screw size #00

T4124 Yamaha French horn screw size #1

PRECISION SWIVELHEAD NUT DRIVERS

T5009 Armstrong/Artley spring screw 3/32"

T4117 Armstrong/Artley pad screws 1/8"

T4118 King sax pivot screw lock nut 3/16"

T4119 Bach Strad. waterkey screw 1/4"

**T4143 TORX SCREWDRIVER**

Perfect for the key guard screws on new model Selmer/Bundy saxophones. Swivel head.

**NEW****T5058 LONG WIHA SCREWDRIVER SET**

3 Straight (2.5, 3 & 4.5mm) & 2 Phillips (0# & #1) Blades. An extra long set of screwdrivers to reach those screws that are in hard-to reach areas. Blades are 6"/150mm long.

**T4109 MAGNETIZER/DEMAGNETIZER**

A couple swipes thru one side or the other and your screwdriver is magnetized or demagnetized.

**T1624 SCREW HOLDING SCREWDRIVER**

If you've ever fought to start a flat spring screw or pivot screw lock screw, this tool is for you. It will hold the smallest screw straight and securely. Features self-adjusting jaws. All you do is press the screwdriver head to open the jaws. Do not confuse with spring type holding screwdriver. **Designed for starting screws only. Not for tightening or loosening.** Overall length 4-3/4".

**T1781 LONG SHANK SCREWDRIVER**

Extra long 14" overall with 10" blade. Cushion handle.

**T1460 EXTRA LONG SCREWDRIVER**

Comes with a 17" long 3/16" dia. reversible double tip blade. The long blade allows a straight shot at difficult to remove screws even on baritone saxes. This screwdriver is large enough to really "crank" out rusted rods and screws. One shorter length blade is available. Blades can be removed and inserted in seconds in the handle.

T1461 17" Replacement Blade

T1463 10" Replacement Blade



SCREWDRIVER SHARPENERS

Now an easy fool-proof method of sharpening your screwdriver equally on both sides every time. Set angle of cut and tighten blade in holder. Run blade over an 8" file (T1808) then turn over and do the other side. When you want to narrow the blade width, turn blade 90° and repeat.

T1809 Use with 1/8" dia. blade

T1811 Use with 3/16" dia. blade



T1211 FEELER GAUGE

Four pronged jaws hold feeler material firmly. Can be operated with one hand as chuck slides forward to lock jaws. Very handy. Saves time.



T1610 SWIVELHEAD PIN VISE

Double-end collet gives the pin vise a capacity from 0 to .125"



T2027 NEEDLE FILE HANDLES

These black plastic handles help the needle file become part of your hand, controlling direction and eliminating canting. The handle is hollow the full length with positive grip screw collet.



T1621 LARGE PIN VISE

Size range is double our T1610 shown above; .040" to .250". Unbreakable plastic handle with 3-jaw steel screw chuck. Great for small drill bits, files, reamers, broaches, etc.



T1595 DOUBLE END PIN VISE

0 to .125" capacity

FILES



T1660 SAX TONE HOLE FILE - WIDE

Covers sax tone holes to give a flat even cut. Size 5" x 1.5" x 1/8"

T1658 SAX TONE HOLE FILE - MEDIUM

5" x 1.25" wide to fit tone holes with guards when the T1660 won't fit.

T1659 SAX TONE HOLE FILE - NARROW

Perfect for palm keys and other tone holes where posts are in the way of our wider T1660 file. Can also be used for flutes. 29/32" wide x 3/16" thick x 8" long.



T1767 FLUTE TONE HOLE FILE

6" long by 15/32" wide.



T1668 PICCOLO TONE HOLE FILE

Perfect for small tone holes, 17/64" wide x 4" long



T1661 4" NARROW PILLAR FILE #2 CUT

Size 9/32 wide x 4" long.



T1808 8" MILL SMOOTH FILE

Use this file with our screwdriver sharpener T1809 or T1811. This file fits perfectly between the bearings.



PILLAR FILE #2 CUT

T1662 6" x 39/64" x 13/64"

T1663 8" x 39/64" x 13/64"

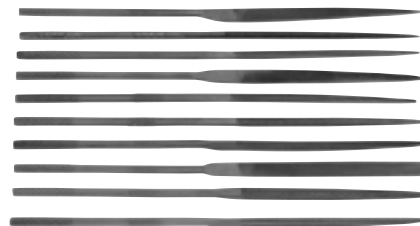


8" ROUND TAPER FILE

Size 8" x 1/4" -Two cuts

T1664 #2 Cut

T1665 #0 Cut



T1761 SET OF 10 NEEDLE FILES

Precision made of the finest tool steel to meet the requirements of repair technicians. Files are #2 cut.



T1666 3" SLOT FILE

Use to cut screwdriver slot in rods. Perfect for repairing damaged reed instrument hinge rod screwdriver slots.



T1785 TRIANGULAR FILE

6" long x 5/16" wide, Tapers to a point.



T1667 FILE CARD

This brush keeps file teeth clean to allow for efficient cutting of the file, 1.5" x 4" face.



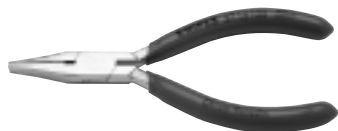
FILE HANDLES

T1130 Size 4.5" long x 1.25" dia., wood with metal ferrule. For large file tangs.

T4025 Size 3.5" long x 5/8" dia., wood with metal ferrule. Designed for small tangs.

PLIERS/CUTTERS

Allied has obtained the best pliers and cutters available to make your job easier. In some cases the cost is higher than hardware store prices but the quality more than compensates for the price.



T1671 5" FLAT JAW PLIERS

Smooth jaws with cushion handles. Perfect for bending key feet on small reed instruments.



T1672 6" FLAT JAW PLIERS

This strong pliers will handle most key bending without marring. This pliers will become the "workhorse" pliers on your bench. Smooth jaws for key bending and general purpose pliers.



T1674 6" CURVED CHAIN NOSE PLIERS

Cushion handles. Serrated jaws.



T1776 5" FLAT JAW PLIERS

Smooth jaws will not mar work. Best quality available.



T1786 WIDE JAW KEY BENDING PLIERS

This strong plier will handle most key bending without marring 6" overall length. Smooth jaws.



T1778 5" ROUND NOSE PLIERS

Top quality with box joints for precise jaw alignment. Made from stainless steel. These pliers will become your favorite for both reed and brass instrument assembly.



ROUND NOSE PLIERS

Cushion handles. For spring installation and adjustment.

T1673 4-1/2"

T1682 6"



T1675 DIAGONAL CUTTING PLIERS

Cushion handles. For phosphor bronze and small diameter stainless steel wire.



T4113 COMPOUND DIAGONAL CUTTER

The perfect cutting tool for waterkey springs and any size needle spring.



T4116 MICRO BEVEL DIAGONAL CUTTER

This will last you a lifetime if you stay within the tolerances of this cutter. With German design and technology behind this tool you will find it will become a tool you wonder how you ever did without. It will not deform the ends of bronze spring wire when cutting a spring to length. **For phosphor bronze spring wire only.**



T1677 6" LONG CHAIN NOSE WITH SIDE CUTTER

Cushion handles and serrated jaws makes this the perfect pliers to use with our T1043 Roth tool.



T1750 MUSIC WIRE CUTTER

Heat treated chrome alloy steel jaws. This will easily cut all hardened wire.



"NAGY" PLIERS

Designed and thoroughly tested by Allied graduate Ned Nagy. This short, narrow jaw pliers gives you tremendous control bending or moving any woodwind key (also great for pulling hinge rods once they have been unscrewed). Buy one, put your flat nose pliers away for seven days and by the end of the week you will wonder how you lived without these pliers!

T4140 5" "Nagy" Pliers

T4141 6" "Nagy" Pliers



T1680 6-1/2" PARALLEL JAW PLIERS

Serrated jaws.



PARALLEL JAW SIDE CUTTING PLIERS

For cutting drill rod, brass rod, spring, etc. Two sizes.

T1681 4-1/2"

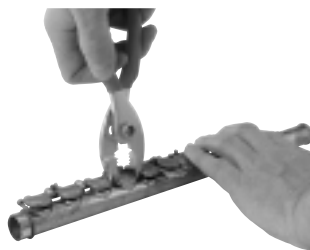
T1679 4-1/2" Smooth jaw - no cutter



T1730 6" HEAVY DUTY SLIP JOINT PLIERS



T1678 6" BENT THIN NOSE COMBINATION SLIP JOINT PLIERS



T1706 FLUTE PAD CUP PLIERS

Easily adjusts flute pad cups from side to side in seconds. After you try this tool, you will never be without it.



T1773 STUVEL SAX KEY ADJUSTING PLIERS

One of our most popular tools. Will adjust 95% of sax keys. Don't hesitate, order this tool today, instructions included.



T5056 6" PLIER WRENCH **Adjustable with smooth jaws**

Knipex® has a whole line of these but the smallest one seems to be the best for our business, give it a try, as you will find use after use for it.

NEW



T1686 SPRING BENDING PLIERS

Heavy-duty 6-1/4" stainless steel pliers. One jaw is convex and the other is concave. Perfect for forming round or flat springs to adjust spring tension. Place spring between plier jaws and squeeze handles. This was a winner at the Sacramento NAPBIRT convention.



T4035 NEEDLE SPRING REMOVAL PLIERS

Fastest way to remove broken needle springs from reed instrument posts. Order extra screws so that you can custom make points to handle all difficult removal situations.

T4036 Replacement Screw



T1710 SPRING INSTALLING PLIERS

Easiest way to install needle springs. One side has a slot for spring to pass through. Works excellent for removing broken springs when a small stub protrudes from the post and to remove flute knock pins.



T4033 WHOLE SPRING REMOVAL PLIERS

Essential for any reed instrument work. Jaws are short and wide to give you tremendous gripping power.



T1757 FOUR HOLE SWEDGING PLIERS

Works on all reed instrument keys, narrow tip allows you to get into tight areas. 6" overall length.



T1769 SWEDGING PLIERS

Used to swedge or lengthen hinge tubing on reed instrument keys where you have very little hinge tube to swedge.



T1795 SOFT JAW PLIERS

Designed for gripping round objects 1/2" to 2-1/2" diameter. Remove stuck slides and valve caps without marring surface, 9" long.

T1717 Replacement jaws - pair



TUBE SWEDGING PLIERS

John Huth of Red Wing, MN has designed this pliers specifically to round out or swedge trumpet or cornet tuning slide tubes that have been damaged.

T4065 Inside Tubes

T4066 Outside Tubes



BRASS INSTRUMENT SLIDE REMOVING PLIERS - 3 SIZES

These pliers were originally submitted at an Allied repair seminar in 1976 by Al Gunter from Rockford, IL. The inside radius of the pliers is milled to a taper with a sharp edge. The sharp edge is placed against the slide ferrule with the stop screw adjusted to prevent crushing the slide tube. Tap the pivot of the pliers with a rawhide mallet and the stuck slide breaks loose.

T1684 Small Trumpet/French Horn

T1688 Medium Baritone

T1689 Large Sousaphone/Tuba



T1687 BRASS JAW PLIERS

The jaws are brass lined and smooth to prevent marring the finish when bending keys. **For light duty only.**



T1780 CURVED METAL SNIPS

With this snip you can cut your patches to any shape or design.



ERGONOMIC PLIER GRIPS

Cushion handles that slide on to any of your repair pliers.

T4080 For Small Pliers

T4082 For Medium Pliers

T4081 For Large Pliers, swedging or slide removing pliers



T1792 METAL CUTTERS

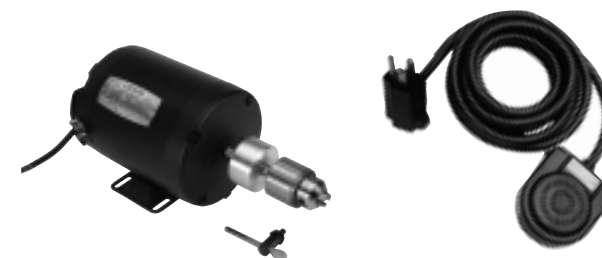
Cuts straight only. Makes an easy job of cutting metals up to 18 gauge.



T4024 BENCH MOTOR FOOT SWITCH GUARD

Are you tired of scaring yourself by accidentally hitting or stepping on your bench motor foot switch? This is an inexpensive way to protect you from, what could be, an expensive accident.

BENCH MOTOR



T1068 BENCH MOTOR w/FOOT SWITCH

Complete with hand brake, 1/2" Jacobs chuck and foot switch. The best unit available. Not to be confused with light duty, short life imitations. Shaft is hollow for straightening rods. Many uses that no reed technician can be without one. Sealed motor, 120V only

T4023 Replacement Foot Switch (rated 10A 120V)



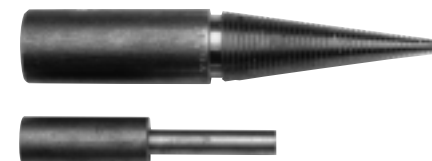
T3020 1/4" x 36" FLEX SHAFT with 1/4" CHUCK

You can't afford a Dremel with a flex shaft? Well, this is the answer! Put this in your bench motor chuck and you can do almost anything a more expensive flex shaft tool can do.



T1758 0 - 3/32" PIN CHUCK

Use in your bench motor, drill press, or lathe to hold your smallest drill bits.



TAPERED SPINDLE

With these two spindles you can build your own buffing lathe or with the T1772 use in your bench motor for some quick touchup buffing. Both will fit on to 1/2" shaft.

T1772 Right hand - 1/4" to 1/2" arbor included for bench motor use.

T4115 Left hand - no arbor.

TOOLS

REED BENCH TOOLS (General)



T4028 BUNSEN BURNER

This Bunsen burner can be used with natural gas, artificial or bottled gas. Adjustable air intake; 5/8" diameter flame tube. For heating keys, padding and corking.



T4250 NEEDLE POINT GAS/AIR BURNER

Yes, this will give you a needle flame for working on oboe, piccolo, clarinet as well as developing a large flame for saxophones. For less than the cost of one clarinet/flute repad you can own the finest burner available today. Works on natural gas or propane and less than 5 psi of compressed air.

T4251 Replacement Tip



T5011 ALCOHOL LAMP

A fully adjustable wick with a cap to stop evaporation. Uses denatured alcohol which is available in the paint department of any hardware store. 4 ounce capacity

T5012 Replacement Wick



T1052 FLUORESCENT LEAK LIGHT

Supplied with a protected 12" fluorescent tube. No need to slide incandescent bulbs back and forth. The tube will not overheat to harm plastic instruments.

T1053 2 BULB LEAK LIGHT

Same as T1052 with additional C-micro incandescent bulb which is used on clarinet, piccolo or oboe. This micro bulb is also helpful when inspecting the inside of the valve casing on brass instruments.

EXTRA BULBS

T1054 Micro incandescent bulb only-solder on

T1057-F 20" Fluorescent tube & cord

T1058-F 12" Fluorescent tube & cord

T1059-F Optional 6" Fluorescent tube and cord - will fit T1052 or T1053

Note: Fluorescent bulbs are equipped with a 4 pin male plug that connects to the female jack on the leak light control unit. Leak lights purchased prior to 2003 have a male jack on the control unit and require our T5026 FLUORESCENT LEAK LIGHT ADAPTER.



OLD STYLE
MALE JACK
(ADAPTER REQUIRED)



NEW STYLE
FEMALE JACK
(ADAPTER NOT REQUIRED)

T5026 FLUORESCENT LEAK LIGHT ADAPTER

Leak lights purchased prior to 2003 use a male jack on the control unit for connecting the female plug on the fluorescent bulb. As a safety design change leak lights after 2003 use a female jack on the control unit and male plug on the bulb. The T5026 adapter connects to the older style control unit to allow use with new fluorescent plug.

NEW

T5029 MINIATURE INCANDESCENT UPGRADE KIT

Replacing the soldered on micro bulb of the T1053 2 Bulb Leak Light has always been a challenge. With this kit all you do is solder on the socket and from then on all you do is unplug and plug in a new bulb.

T1056 Replacement micro plug-in bulb



This 100 watt, voltage adapter will allow you to use any of our leak lights on 220V power supplies. The T5062 comes with a Shucko adapter which works in many countries and we have 2 other adapters to work in the countries indicated. (Not large enough for bench motors or Dremel tools)

T5062 Converter with Shucko adapter

T5063 Plug Adapter for U.K, Hong Kong & China

T5064 Plug Adapter for Australia

NEW



T1067 INCANDESCENT LEAK LIGHT

Two bulbs for sax and clarinet. Complete with cord, plug, switch and bulbs. Ready to go. 120V only

T1050 Replacement Clarinet Bulb (#57)

T1051 Replacement Saxophone Bulb (#63)



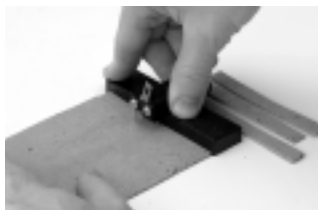
NEW

Allied graduate, Wayne Tanabe, discovered the wonders and uses of silicone when he was in Japan, doing clinics for Yamaha. The tubing can be used over solder clamps or for binding parts together to protect from scratching. The sheet is to be used on your woodwind or brass bench as it is heat resistant and has a nice "feel" as a bench pad.

A583 Silicone Tubing (.020" ID x .083"OD) - sold by the foot

A584 Silicone Tubing (.125" ID x .1875"OD) - sold by the foot

A585 Silicone Sheet - "Bench Pad" (1/16" x 18" x 36")



T5006 CORK STRIP CUTTER

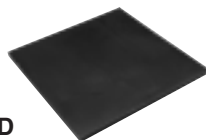
Perfect for cutting cork strips on woodwinds. Cuts cleanly and accurately.

T1765 Replacement Blade (pkg. of 5)



A822 RAZOR BLADES - SINGLE EDGE

Box of 100, .009" thick



T1784 CORK CUTTING PAD

Size 10" x 10" x 1/2" saves bench tops. A perfect surface for cutting cork. Can also be used with our hollow steel punches. Made of resilient vinyl plastic. Lasts a long time. Two-sided.



T1764 CORK TRIMMING KNIFE

Endless uses for this unique knife. Round handle made of aluminum with knurled grip, 5" long. Comes with one replaceable surgically sharp blade.

T1765 Replacement Blades (pkg. of 5)



T1763 CORK CUTTING KNIFE

Hardwood handle bench knives are of superior quality. Blade is high carbon steel. Length 5-1/2", Blade 1-3/4".



T4122 OBOE CORK PAD "DONUT" CUTTER

Designed by Gene Beckwith of Red Wing, MN. No more trying to figure out how to get a clean hole in your cork pads. This will do the job cleanly, neatly and quickly Accommodates pad sizes 10, 11, 11.5 & 12mm. Punch sizes are .155" and .210" in diameter.



T1732 JEWELERS SAW

Has exclusive threaded adjustment to control blade tension. Blades sold in dozen lots only. See Tech. Tip on pg. 108. This saw is the saw of choice of the Native American Silversmiths in the Southwest.

T1733 #0 Blades Fine Cut

T1734 #2 Blades

T1735 #4 Blades

T1736 #6 Blades

T1737 #8 Blades

T1738 #10 Blades Coarse Cut



T4110 6" BENCH HACKSAW

Do you ever find yourself needing a saw bigger than a jeweler's saw but smaller than a 12" hacksaw? This saw is the answer. It is perfect for cutting brass rod, tubing & hinge rod stock.

T4111 Replacement blades 32 TPI (pkg. of 5)



T1791 RAZOR SAW

Sturdy blade for cutting brass tubing and parts

T1790 Replacement Blade



T5021 MITER BOX

Great for cutting tubes or brass rod perfectly square. A very handy addition to your bench tools. Uses T1791 Razor Saw (not included).

T1801 FLEXIBLE MAGNETIC STRIP

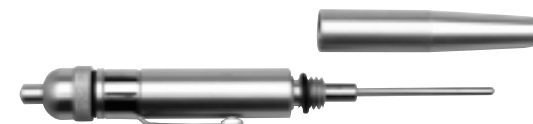
A perfect place to "store" screws, springs, etc. while working on an instrument.

The 1" wide x 30" long strip has an adhesive back. Simply cut the length needed, peel and stick where ever it's handy. Will also hold small tools.



T1799 BENCH BRUSH

Keep your bench clean with this all tampico fiber brush.



T1740 PEN OILER

An all aluminum pocket oiler that will allow you to put a drop of oil anywhere you need it.



T1777 BENCH OILER

The best 2 ounce bench oiler we have found. Won't leak from cap or needle spout like most oilers. Use for fine oiling, 23 gauge, 1" long needle.

T5035 Replacement cap



T1739 ECONOMY OILER

Two ounce capacity oiler. All plastic.

TOOLS



TWEEZERS

Cushion handle, Top quality, Nickel plated & hardened tips.

T1745 Straight

T1746 Curved



SCREW EXTRACTORS

Left hand spiral works into hole drilled in screw. Removes screw without damaging threads. Correct drill size stamped on each extractor.

T1743 Use 5/64 Drill

T1744 Use 7/64 Drill



T1630 ROTARY PUNCH

Strong lightweight. Tubes supplied are 5/64, 3/32, 7/64, 1/8, 5/32 and 3/16 inch diameter.



HOLLOW STEEL PUNCH

For punching out leather or felt. Side clearance hole permits easy removal of punched material.

T1640 3/32" (2.4mm) **T1648** 11/32" (8.7mm)

T1641 1/16" (3.2mm) **T1649** 3/8" (9.5mm)

T1642 5/32" (4mm) **T1650** 13/32" (10.3mm)

T1643 3/16" (4.75mm) **T1651** 7/16" (11mm)

T1644 7/32" (5.5mm) **T1652** 1/2" (12.7mm)

T1645 1/4" (6.3 mm) **T1653** 9/16" (14.3mm)

T1646 9/32" (7.1mm) **T1654** 5/8" (15.8mm)

T1647 5/16" (8mm)

T1655 HOLLOW STEEL PUNCH SET

Set of 6 of the above – 3/16", 1/4", 5/16", 3/8", 7/16" and 1/2" (4.75mm, 6.3mm, 8mm, 9.5mm, 11mm and 12.7mm)



T1720 PAD TUCKER

Used to level high spots after pads are in key cups.



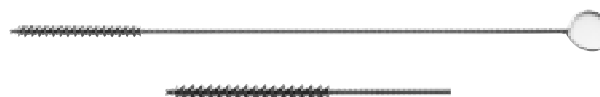
T1719 BROKEN SPRING REMOVING SET

Set of two spring punches used to drive out broken needle springs. Remove post, lay on lead block and drive spring into block. Also try this, push punch thru a cork 1" x 2" and use cork as a "float".



T1724 SPRING HOOK - DOUBLE

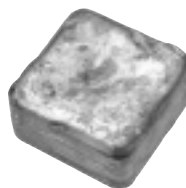
Used to hook and unhook woodwind springs. Large and small ends.



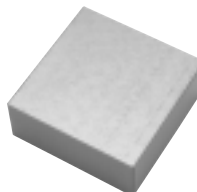
STAINLESS STEEL HINGE ROD BRUSHES

A1738 .080" diameter x 3.5" long

A1739 .100" diameter x 3.5" long

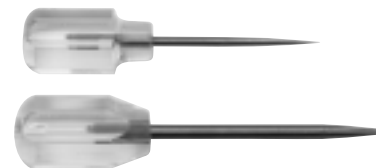


T1617 LEAD BLOCK



T1410 STEEL BENCH BLOCK

An item no reed technician can do without. Used to repair key pad cups, level pads, and flatten needle springs.



ROUND AWLS

Two sizes for all needs. Use to free hinge tubing after swedging, to mark tubing and turning sax posts are a few of the many uses for this tool

T1727 Small

T1728 Large



ENGLISH TYPE PENTAGON REAMERS (Broach)

Called broaches by some, these reamers are excellent for reaming out reed instrument posts and hinge tubes. Better than drilling, leaves no burrs. Five cutting edges, sizes listed are drill gauge size.

	#	.001"	mm	
T1690	#30	.128	3.175	largest
T1691	#35	.110	2.8	
T1692	#40	.098	2.5	
T1693	#45	.082	2.0	
T1694	#50	.070	1.8	
T1695	#52	.063	1.6	
T1696	#55	.052	1.3	
T1697	#60	.040	1.0	
T1698	#65	.035	.09	
T1699	#70	.028	.07	smallest



T1614 AUTOMATIC CENTER PUNCH

All steel body with threaded replaceable point. No hammer needed, one-hand spring impact operation

T1615 Replacement Points



T1628 POCKET CENTER PUNCH

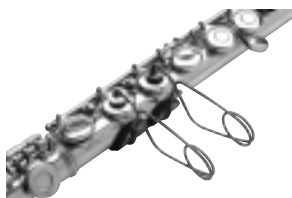
Handy and adjustable automatic center punch reaches into tightest spots. For a very handy tool slightly flatten tip and use to drive out flute knock pins.

FLUTE TOOLS



T1774 FLUTE HEIGHT GAUGE

Three step gauge for proper key height adjustment. No more guessing.



T1200 FLUTE CLAMPS

Used to provide pressure on flute keys when repadding. After clamping all keys, place in a pad oven, using a light bulb for heat, to properly seat pads or use the T1718 heat strip.



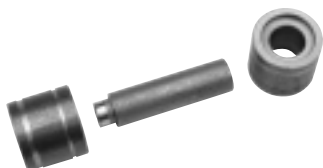
T1718 HEATING STRIP

120V heat strip for use when seating Valentino pads and other woodwind pads.



T4067 VALENTINO KEY CLIPS

A light pressure clamp to use when seating Valentino Pads.



T1612 OPEN HOLE FLUTE PAD CUTTER

Designed to punch holes in standard flute pads for use on open hole flutes. Four sizes in one tool. Hardened cutter will self center and cut a neat hole when hit with a rawhide mallet. Use with our T1784 bench pad to protect the cutting edge of cutter. No need to carry two complete flute pad stocks.

T4270 Replacement cutter



T1753

T1754

T1754-T5038

OPEN HOLE FLUTE GROMMET TOOLS

Don't fight with open hole pad grommets with the tools below repadding an open hole flute has become much easier. Dennis Lawson of Newton, IA has given us these tool ideas and modifications to make your job better.

T1753 Chimney Expander and Grommet installer (2 in 1 tool)

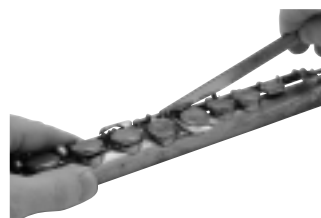
T1754 Grommet Remover

T5038 Pad Cup Protectors (set of 2)



T3065 PAD SLICK

This is made out of brass so you can heat it up to iron out wrinkles in pads but specifically used to level pads in their cups.



T1215 FLUTE G KEY ADJUSTER

Makes short work of adjusting height of G Key pad cups. Non-marring



T3066 FLUTE KEY LEVELING TOOL

Designed to get in between the pad and tone hole to level the pad cup.



T1741 FLUTE PAD IRON

Springs steel has permanent temper, sized to fit all flute pads.



T5007 KNOCK PIN REMOVER

An affordable, well designed and machined tool, to remove those stubborn knock pins in flute key clusters. A tool so well thought out, that you don't need a "Third hand" to operate it. Comes in it's own custom made box.

T4142 .035" ALLEN WRENCH

To remove Pearl flute key cluster screws. (Knock pins on this flute are not pins but very tiny allen head screws.)



T5020 BENCH VISE

This vise will clamp to any bench up to 1.5" (25mm) thick. Smooth jaws and swivel base are perfect for holding all those pieces and parts you are working on.

Flute 'A' Key Wobble

It is not unusual for the A key on flutes to have side play and actually wobble. This is caused by the fact that the taper of the C key rod is too short. The taper can be lengthened by inserting the C key rod in a bench motor with the shoulder extended beyond the chuck a few thousandths of an inch depending upon the severity of wear. Using the jaws of the chuck as a guide, take a cut with the jewelers saw with the bench motor running, which will in effect extend the taper by the amount the shoulder is cut back. This requires only a few seconds and the A key is tightened like new.

Instances when the C key rod taper is too long, which results in binding the A key, can be corrected as follows: Increase the depth of the screwdriver slot enough to wedge open the slot. The rod then can be inserted to the desired depth so the A key will not bind, yet the C key rod will remain in place.

CLARINET TOOLS



TENON REMOVERS

Remove broken tenons by placing tool in vise and insert into broken tenon and turn. Two sizes to choose from.

T1817 Small

T1818 Large



BENCH PEGS

Used to hold clarinet joints between body and bench for sanding tenon cork, etc. T1702 fits into a hole drilled in your bench. T1703 screws into bench for a more permanent mount.

T1702 Straight shaft

T1703 Threaded shaft



CLARINET SANDING MANDRELS

To be used in bench motor or lathe to hold clarinet mouthpieces or joints for sanding cork.

T1712 Soprano Clarinet

T1713 Alto-Bass Clarinet



T1762 CLARINET LEVELING TOOLS

Used to level pad cups on small reed instruments.



T3065 CLARINET PAD SLICK

Main purpose of a slick is to help level pad to tone hole. Our tool is made out of brass so you can heat up to iron out wrinkles in pads if needed.



ALLIED CENTER TENON REPLACEMENT TOOL

For technicians that don't have access to a lathe for tenon repair Allied offers an economical alternative. The Allied tenon tool will repair the most commonly broken tenon, the lower tenon on the upper section, by hand, in less than 30 minutes. If a lathe is available this time can easily be cut in half.

To use, simply place pilot bar in clarinet section and cut out broken tenon. Glue proper size replacement tenon in place and drill out two tone holes. No need to remove posts. Two tenon jobs pay for the tool!

The replacement tenons are made of high strength ABS Rod and once glued in are ready to cork.

T4100 Tenon Tool with Cutter and Pilot

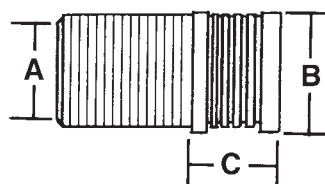
T4101 Replacement Cutter-Long

T4102 Replacement Facing Cutter-Short

T4103 Replacement Brass Sleeve

REPLACEMENT TENONS

Part#	A	B	C
A950	.566	.852	19/32"
A951	.580	.862	19/32"
A952	.590	.872	19/32"
A953	.566	.836	21/32"
A954	.580	.849	21/32"
A955	.590	.858	21/32"
A956	1/4" Pilot Hole	1.000	21/32"



T1403 TENON CORK SCRAPER

Used for removing tenon corks. Fast, clean and efficient.



T1214 CLARINET RING KEY ADJUSTER

Handy tool with two different sized tips to easily adjust any clarinet ring key side to side.



T1747 CRACK SPATULA

The flat end works great to apply epoxy or other filler into joint cracks and the pointed end works great for turning posts.



T1212 CLARINET TONE HOLE DEBURRING TOOL

Removes small nicks and burrs and levels the tone hole for a better seat. Six sizes in set. Place over tone hole on wood or plastic and spin. Leaves a nice smooth finish.

Repairing Valves

Most stuck pistons are easily removed by using one of the other pistons as a driver. Simply insert it into the bottom of the casing and gently tap it using a rawhide mallet. If the piston is frozen, use penetrating oil. Apply it at the top and bottom of the piston and thru the slide tubes. Again use one of the other pistons as a driver. In extreme instances it may be necessary to turn down a brass rod to use as a driver if gentle tapping on the driver piston is unsuccessful. Caution: Occasionally a foreign object such as a pencil or paper clip will lodge in a port hole. If the piston is removed under these circumstances, the instrument will be ruined. Check the ports prior to driving out a stuck piston. After the piston is removed and cleaned, it will usually work. If not, hand tapping will be required.

When the valve casing is severely damaged, the proper method of repair is honing. Adjustable reamers and rat-tail files are out. Solid mandrels are inefficient because so many sizes are required and ineffective because they do not produce a quality job. Allied's valve lap acts as a hone and is available at a very low cost.

We have been asked whether or not damage to the valve casing will occur should the Allied valve lap wobble when driven by a variable speed drill. The answer is no. The reason is because neither the lap or the instrument is held perfectly rigid during the honing process. Both "float" so wobble is of no consequence. Detailed instructions are provided with each valve lap.

Preparing valve threads has been a very time consuming process until Allied developed thread chasers. Simply use a dent ball to round damaged threads. Tap the proper size ball into the end of the casing and form the threaded area round the ball using a plastic mallet. Then chase the threads using the proper chaser. The chaser like the valve lap will pay for itself on just one job and both will give years of service.

Valve repair can be profitable with little time expended with the proper tools. Problems occur when improper tools and techniques are used.

SAXOPHONE TOOLS



T1798 SAXOPHONE HEIGHT GAUGE

Use to check key heights. One end for bell keys, the other for stack keys.



T1796 POST ALIGNMENT TOOL

Made especially for tapping post in any direction where it is impossible to tap with a hammer, such as between bell and stack on saxophones. End of tool is concave so it won't mar the post. Made of brass



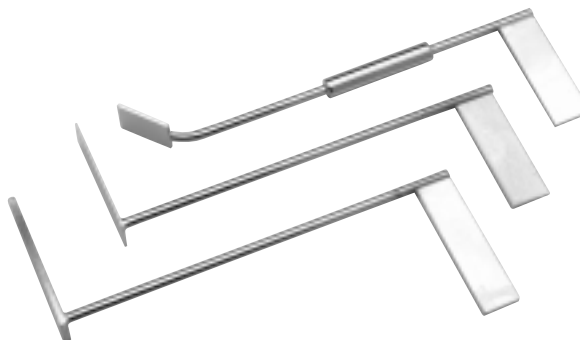
T3100 STRAIGHT LEVELING TOOLS

Use with our T1775 leveling tools for leveling sax pads that are easily reached. Set of 2

Warning

Do not use alcohol or any highly volatile petroleum product in close proximity to clarinets with plastic bodies such as Bundy. It is common practice to use alcohol to clean excess shellac from keys or foreign material from the plastic itself.

The alcohol fumes change the molecular structure of the plastic material which makes it brittle. In instances when the body of a plastic clarinet breaks and the break is shiny, you know it was caused by alcohol changing the molecular structure!!!



T1775 KEY LEVELING TOOLS

Each tool is a different thickness and different angle for difficult adjustments. Place wedge under sax pads to align cups with tone holes before seating pad. Can be used in conjunction with the T1773 Stuvell Pliers.



T1773 STUVEL SAX KEY ADJUSTING PLIERS

One of our most popular tools. Will adjust 95% of sax keys. Much more efficient than our old sax key bending levers (now discontinued). Don't hesitate, Order one today.



T1725 SELMER SAX BUMPER ADJUSTER

Handy tool to adjust key felt bumpers on Selmer saxophones.



T1742 PEARL PROTECTOR

Position over sax pearls to keep flame from burning pearl when heating sax key pads.



T1201 SAXOPHONE KEY CLAMP

Use to seat sax pads. No need to compress sax key corks. Fast and easy, use like flute clamps. Provides an even clamping pressure on each key.



T1202 DOUBLE FINGER SAX KEY CLAMP

This design is used when extra stability is needed.



T1045 PAD RIVET PUNCH

This punch is made specifically to form the end of tubular pad rivets.



T4014 PEARL HOLDER SHRINKING DIES

Now you can easily install or tighten pearls. A set of 5 shrinking dies used to shrink the pearl holder around the pearl. Easy to use!

MISCELLANEOUS

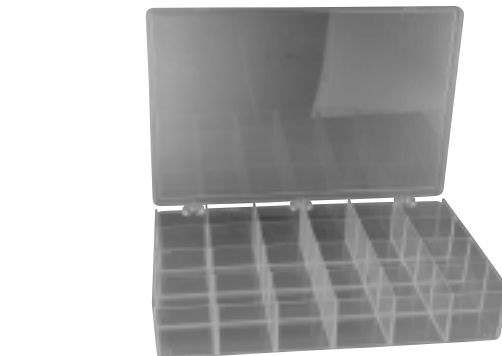


T5000 MODULAR STORAGE CABINET

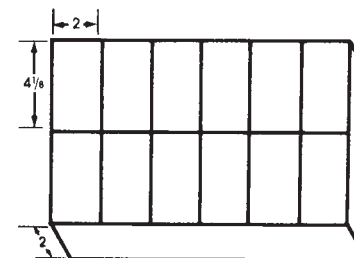
Heavy-duty welded steel frames. Chip-proof, scratch-resistant baked enamel finish - standard 17" width - keyhole slots for wall mounting - nestling "feet" for stable stacking - molded styrene drawers - spill-proof - safety tab retains open drawer.

17"Wx11"Hx11"D

T5001 Extra Dividers

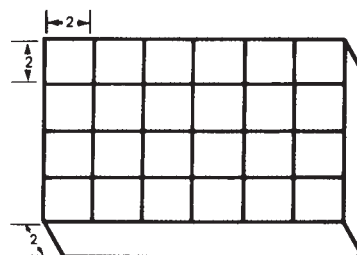


COMPARTMENTED CLEAR STYRENE BOXES WITH HINGED LID, THE PLASTIC USED FOR ALL THESE BOXES IS VERY FLEXIBLE AND CRACK RESISTANT.



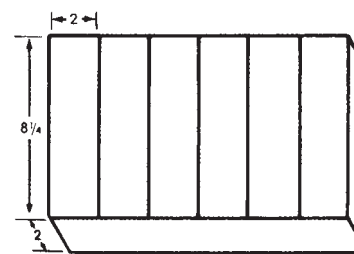
T2712

Overall size: same as T2710. 12 compartments - 2" x 4-1/8"
Uses: valve springs, slide crooks, braces, receivers.



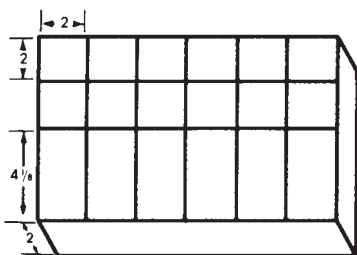
T2710

Overall size: 13-1/8" x 9" x 2-5/16" deep, 24 compartments -2" x 2", Uses: felts washers, valve caps, finger buttons, valve stems, waterkey parts (except trombone).



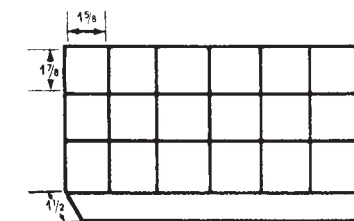
T2713

Overall size: same as T2710. 6 compartments - 2" x 8-1/4"
Uses: long braces, trombone venturi tubes, sousaphone bits, other long parts.



T2711

Overall size: same as T2710. 18 compartments - 12 - 2" x 2", 6 - 2" x 4-1/8", Uses: trombone waterkey parts.



T2714

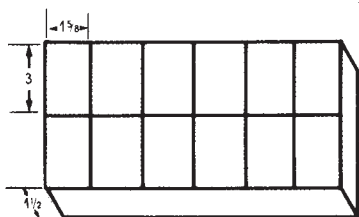
Overall size: 11" x 6-3/4" x 1-3/4" deep, 18 compartments - 1-5/8" x 1-7/8", Uses: felt disks and bumpers, taps and dies, one for each brand of flute and clarinet.

PARTS DRAWER CABINETS

Parts cabinets are quite easy to obtain at your local home improvement center or big box store. Our T5000 is the best overall storage cabinet that we can find and offer to you. Use one or two or more of these in combination with our clear polystyrene boxes and a good label maker and you will know at a glance the parts that you have in stock.

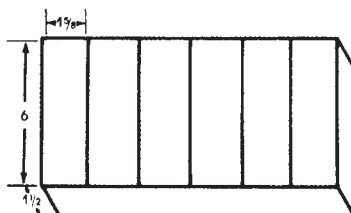
Technical Tip

1. To complete an especially stubborn repair, give it two sharp kicks, first with right then the left foot.
2. If that doesn't work, hit it with a hammer.
3. If you still are having trouble, get a bigger hammer.
4. Second to last resort. Curse loudly.
5. Last resort; sell your customer a new instrument.



T2715

Overall size: same as T2714. 12 compartments – 1-5/8" x 3"
Uses: woodwind key rods, small woodwind keys.



T2716

Overall size: same as T2714. 6 compartments – 1-5/8" x 6"
Uses: woodwind key rods, woodwind keys, flute foot joint rods.

PARTS INVENTORY ORGANIZATION METHOD

By: Jeff Tellock, Heid Music Co., Appleton, WI

Time wasted searching for parts, pricing parts and ordering parts can be significantly reduced if a systematic plan which organizes the inventory of a band instrument repair shop is employed. Every minute that a repair technician is not actually repairing an instrument is wasted. If we charge \$30.00 per hour, every minute is worth \$.50. If your shop saves 30 minutes a day, it adds up to \$15.00 per day, \$75.00 per week or \$3,900.00 per year. There is little doubt that I have saved at least this many dollars since organizing my parts inventory as follows:

The heart of my system is an assortment of seven sizes of clear plastic boxes with different size compartments and hinged covers.

On the inside cover install labels for each compartment. Each label will have part name, model of instrument, part number and list price. Pressure sensitive labels are available from your local office supply dealer.

Waterkey-XYZ Trumpet-A67890

My method makes it easy to (1) find parts, (2) check inventory, (3) reorder parts and (4) price parts to customers. When restocking, I change the list price if necessary so prices shown on the labels are always current. Most suppliers and manufacturers have out-dated parts price lists, so anyone referring to them when pricing parts is losing money.

I number the boxes and jot this number down after each part when ordering. When the parts are received from the supplier it is easy to locate the proper box for restocking.

My experience using these plastic boxes have proven that by storing "like parts" in each box saves time, like finger buttons, felts, caps, waterkeys, waterkey screws, waterkey springs, etc. When I repair an instrument for which parts are not available, it is easy to scan my inventory for a likely substitute. If this was the only benefit of this system, it would be worth it.

Again, label each box on the front with the parts they contain, such as FELTS. Then by opening only one box all the felts, or French horn screws, or small braces or corks or whatever is in full view right in your hand.

There are instances where it is best to use one box for one brand, such as XYZ flute parts. All the parts such as screws, washers, crowns, springs, rollers are in one place. When working on that brand instrument, that is the only box you need, all the parts are in one place.

These boxes are also good for string instrument parts such as bridges, pegs, end pins, etc.

The time and expense to set up your shop inventory to this method will be well spent. No longer will you be frustrated looking for, ordering or pricing parts. Besides your shop will look like a professional works there. You are a professional technician, aren't you?

NOTE TO STORE OWNER: If I employed a repair technician on an hourly basis, I would insist that he or she institute this system immediately, because I know how much it has saved me. I work on percentage, not hourly. Oh yes, if your shop has so many parts that they won't fit into one compartment, you are probably overstocked on that particular part.

BRUSH PLATING KITS

This is an item no repair shop should be without. Not a wipe on, touch up type plating, but real electro-plating. Perfect for worn areas on mouthpieces, valve sections, keys or around solder joints. The kits will plate as heavy a layer as you want. The silver kit is real silver plating that blends perfectly with factory plating. The nickel alloy kit is near perfect match for factory nickel plating. Works by plugging into any 120V outlet. Our old style battery platers worked better if you took our advice and incorporated the Tech Tip below, now you don't have to adapt anything.

T4038 Silver Plating Kit Complete

T4039 Nickel Plating Kit Complete

T4040 Silver Refill Kit

T4041 Nickel Refill Kit

T4044 Stainless Steel Wand



Brush Plater Tip (Beefing It Up)

A repair technician called us and suggested using a small batter charger to eliminate the need for batteries in our old pen style T4038 and T4039 brush platers. He used a small charger made for "cordless" type lawn tools and said the increase in voltage made the platers work faster.

Any 9V or less DC power supply adapter, available at electronics or hardware stores, will work for this purpose. Hook up only takes five minutes and is very simple. Cut off the plug supplied and separate the wires back about 14 inches.

The wire with the white stripe is positive and the plain is negative. Attach a small alligator slip to the negative wire. Disassemble the body of the plater, cut and discard the wire. String the positive wire, the one with the white stripe, through the hole in the body and tie a knot 5" from its end. The brush head has a brass rivet shaped contact. Remove this contact and solder the positive wire to it. Replace the rivet in the brush head being careful to keep the anode wire between the rivet and the white plastic body for good contact.

Plug in the adapter and use the plater as you would with batteries. The higher voltage makes the unit plate much faster.

MEASURING TOOLS



Why pay high prices for metal Calipers and have them rust. Best caliper for aligning slide tubes. Not affected by Solder Flux. These calipers have been used very successfully by Allied's Mount Department. Four way measurement, thumb roller and lock switch. Adjustment bezel, drill and tap chart on back face; including hard plastic case.

T1451 Range 5" – dial graduation .010 & 1/64" Vernier reading 1m & .10"



IMPROVED

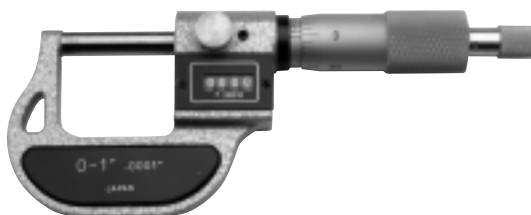
Finally an affordable and accurate digital caliper. Reads in fractions, .001" or 0.1mm with a push of a button. Perfect for measuring slide tubes, pads, drill rod, etc. All metal construction.



Made of finest quality stainless steel this 0" to 6" dial caliper reads three ways. The dial is graduated to .001" and the slide reads to tenths of an inch and mm.



Satin Finish frame – decimal equivalents – Friction stop.

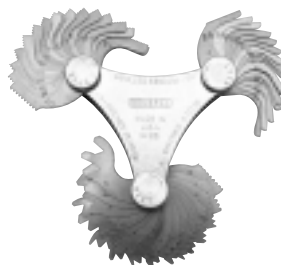


Why fight it? Join the digital revolution at a reasonable price. A good quality micrometer, carbide faced with lock nut and ratchet stop. Digital reads to .001", vernier scale reads to .0001". With fitted case.



6" long, 15/32" wide Stainless Steel – 32nd and 64th graduations or millimeters with pocket clip

T1782 Millimeters



Exceptionally well made gauges for internal or external threads. T1714 has 51 pitches from 4 to 84. T1715 metric has 22 pitches from .35 to 6.0 mm.

T1715 Metric



Made of heavy gauge hardened and ground carbon steel. Hole sizes and decimal equivalents permanently etched.

T1783 1/16 – 1/2 by 64th



Identifies all types of screws: machine screws, bolts, wood screws and sheet-metal screws. Even cotter pins and rivets
Simple and fast.

Also used to straighten bent screws and clean up rusty or damaged threads. It's the ideal tool for holding a screw while cutting, drilling, or altering the head.

SCREW CHEK® is a quality tool, made of heavy-gauge steel, with satin-chrome plating. A precision machined thread provides accurate identification.

T1619 Metric Screw Chek'r

DRILLS, TAPS & DIES



FRACTIONAL SIZE DRILL SETS

29 Piece – Size 1/16" through 1/2" by 64ths

Sets come in a Compact Hinged Steel Index Case

T1803 Straight Shank

T1804 1/4" Shank

FRACTIONAL SIZE HIGH SPEED STEEL DRILLS

1/64" through 1/2" - Straight Shank-for Metal or Wood

T1820	1/64	T1836	17/64
T1821	1/32	T1837	9/32
T1822	3/64	T1838	19/64
T1823	1/16	T1839	5/16
T1824	5/64	T1840	21/64
T1825	3/32	T1841	11/32
T1826	7/64	T1842	23/64
T1827	1/8	T1843	3/8
T1828	9/64	T1844	25/64
T1829	5/32	T1845	13/32
T1830	11/64	T1846	27/64
T1831	3/16	T1847	7/16
T1832	13/64	T1848	29/64
T1833	7/32	T1849	15/32
T1834	15/64	T1850	31/64
T1835	1/4	T1851	1/2



T1805 #1 - #60



T1806 #61 - #80

WIRE GAUGE DRILL SETS

Compact Hinged Steel Index Case.

WIRE GAUGE HIGH SPEED STEEL DRILLS

#1 through #80 for use below 1/4" when exact size is needed
(see chart for number size to inch comparison page 225)

T1901	#1	T1928	#28	T1955	#55
T1902	#2	T1929	#29	T1956	#56
T1903	#3	T1930	#30	T1957	#57
T1904	#4	T1931	#31	T1958	#58
T1905	#5	T1932	#32	T1959	#59
T1906	#6	T1933	#33	T1960	#60
T1907	#7	T1934	#34	T1961	#61
T1908	#8	T1935	#35	T1962	#62
T1909	#9	T1936	#36	T1963	#63
T1910	#10	T1937	#37	T1964	#64
T1911	#11	T1938	#38	T1965	#65
T1912	#12	T1939	#39	T1966	#66
T1913	#13	T1940	#40	T1967	#67
T1914	#14	T1941	#41	T1968	#68
T1915	#15	T1942	#42	T1969	#69
T1916	#16	T1943	#43	T1970	#70
T1917	#17	T1944	#44	T1971	#71
T1918	#18	T1945	#45	T1972	#72
T1919	#19	T1946	#46	T1973	#73
T1920	#20	T1947	#47	T1974	#74
T1921	#21	T1948	#48	T1975	#75
T1922	#22	T1949	#49	T1976	#76
T1923	#23	T1950	#50	T1977	#77
T1924	#24	T1951	#51	T1978	#78
T1925	#25	T1952	#52	T1979	#79
T1926	#26	T1953	#53	T1980	#80
T1927	#27	T1954	#54		

TOOLS

TAPS



Machine Screw - High Carbon Steel Taps
Plug style..

T1981	0-80*	T1997	8-32*
T1982	1-64	T1998	8-36
T1983	1-72*	T1999	8-40
T1984	2-56*	T2001	10-24
T1985	2-64	T2002	10-32*
T1986	3-48*	T2003	12-24*
T1987	3-56*	T2004	12-28
T1988	4-36	T2005	12-32
T1989	4-40	T2006	14-20
T1990	4-48*	T2007	14-24
T1991	5-40*	T2008	1/4-20*
T1992	5-44	T2009	1/4-24
T1993	6-32*	T5027	1/4-28
T1994	6-36	T2023	1/4-32
T1995	6-40	T1882	5/16-24*

*most commonly used taps



T1816 Tap Handle



T1814 Tap Handle



T1900 RATCHET TAP WRENCH

No. 0 to 1/4" jaw capacity. 3 position selector on-off-lock.
Removable handle.

DIES

Carbon Steel – Adjustable – 13/16" Diameter O.D.

T1852	0-80*	T1866	6-40
T1853	1-64	T1868	8-32*
T1854	1-72*	T1869	8-36
T1855	2-56*	T1871	10-24
T1856	2-64	T1872	10-32*
T1857	3-48*	T1873	12-24
T1858	3-56*	T1874	12-28
T1859	4-36	T1878	1/4-20*
T1860	4-40	T5028	1/4-28
T1861	4-48*	T2025	5/16-24*
T1862	5-40*		
T1863	5-44		
T1864	6-32*		

*most commonly used dies



T1815 Die Handle for 13/16" diameter dies



T2418 Hex Die Holder for metric dies

METRIC TAPS & DIES

Size	Tap #	Use Drill #	Die #
3.0mm x .5 mm	T2403	40	T2413*
3.0mm x .6 mm	T2404	41	T2414*
4.0mm x .7 mm	T2406	30	T2416*
4.0mm x .75mm	T2407	30	T2417*

* Must use Hex Die Holder

DREMEL TOOLS AND ACCESSORIES

There are many types of accessories available for Dremel Rotary Tools. We have tried most of them and have listed the most successful. The grinders and cutters shown save time in the processes of making reed instrument keys, repairing cracks in wood and plastic reed instrument bodies and fiberglass sousaphone repair.



T1880 VARIABLE SPEED MULTIPRO TOOL

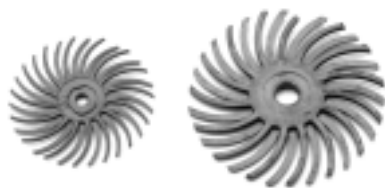
Double ball bearing construction, Not to be confused with short life, bronze sleeve bearing models. 5,000 to 25,000 RPM. Supplied with 28 accessories and storage case.



NEW

T2047 BLUE POLISHING WHEEL - 7/8" DIA

For your rotary tool to clean up areas to be soldered or removing excess material around soldered areas, this wheel is great for removing lacquer on areas that are to be soldered. (Less aggressive than a "mizey" wheel) Use with the T1883 mandrel.



NEW

3/4" AND 1" 3M RADIAL BRISTLE BRUSHES

There are so many uses for these that you may lose sleep at night thinking of new ways to do some of the many clean up tasks that we do as technicians. Ideal for cleaning and maintaining hard to reach areas and irregular surfaces. Use these in any high speed rotary type tool (recommended speeds are 15,000 to 30,000 rpm's) Can be stacked to cover more surface area.

3/4" Diameter w/1/16" hole

Use T1883 Mandrel

T2042 400 Grit (blue)

T2043 6µ Grit (peach)

T2044 Pumice (pink)

1" Diameter w/1/8" hole

Use T2049 Mandrel

T2045 36 Grit (dk. brown)

T2046 120 Grit (white)



7/8" TRIPOLI & ROUGE IMPREGNATED WHEELS

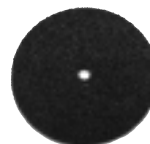
Great for cleaning solder joints! Use T1883 mandrel.

T2040 Coarse - Tripoli (dark grey)

T2041 Fine - Rouge (pink)



T1881 1/8" REPLACEMENT CHUCK COLLET



T1891 EMERY WHEELS

To be used with T1883 mandrel. Perfect for grinding off case hardware rivets. Supplied in a vial of 36.

T2015 DREMEL REINFORCED CUT OFF WHEEL

Ideal for cutting tubing, rod, rivets, etc. 5/pkg. Use T1883 mandrel.



T1899 POLISHING WHEEL

Use T1883 mandrel.



FELT POLISHING TIP AND WHEEL

T1888 Tip - use T1885 mandrel

T1889 Wheel - use T1883 mandrel



DRUM SANDER

Perfect for sanding fiberglass or removing excess epoxy after filling cracks.

T1895 Drum Sander

T1896 Replacement Drum - Fine Grit pkg. of 6



SILICON GRINDING POINTS

Best for hard materials such as hardened steel, glass or ceramics.

T1897 3/4" diameter

T1898 1/2" diameter



T2022 WIRE BRUSH

Perfect for cleaning the inside of French Horn rotor casings for play condition work.



T1883

(1/6" holes)

T2049

(1/8" holes)

T1885

1/8" SHANK MANDRELS



T1892

T1893

T1894

TUNGSTEN CARBIDE CUTTERS

Lasts many times longer than regular steel cutters.



T2010

T2011

T2012

T2013

T2014

HIGH SPEED CUTTERS

Made of quality steel. Used for shaping or hollowing metal, plastic or wood.

BUFFING SUPPLIES

The buffs and compounds are made to ALLIED specifications especially for band instruments. The buffs will give you more "mileage" than any you have previously used.



A8095 3" TAPERED BUFF

Great for getting a "mirror" finish inside of trumpet, cornet and trombone bells.



25 PLY SEWED WHEELS (1/4" WIDE (6.3mm))

For buffing around posts and getting in tight places. Nail 3 sections together and use to rough buff large brass.

A800 6" x 25 Ply

A801 8" x 25 Ply



59 PLY SEWED WHEELS (3/4" WIDE (19mm))

This is the most used buff because it is so versatile. When worn down, use as "bob" for inside of bells. Can also be used as a color buff. After you use this buff once, you will never go back to the short-lived ones you have used in the past.

A809 6" x 59 Ply

A802 8" x 59 Ply



LOOSE FLANNEL COLOR BUFF

The "only buff" for the jewelry final finish. Center sewn only.

A980 6" x 25 Ply

A803 8" x 33 Ply

A981 8" x 50 Ply



45 PLY SEWED WHEELS (1/2" Wide (12.7mm))

Great wheels for small areas and for use on our T1441 Portable Buffer, Leather and shellac centers.

A8093 4" x 45 Ply

A8094 5" x 45 Ply



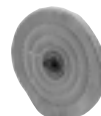
A817 2" x 20 PLY BUFF

To be used on air buffers.



T5008 1/4" BUFFING MANDREL

This mandrel will hold our small A817 buff in your die grinder, drill, or 1/4" flex shaft.



CHAMOIS BUFFS

Great for cleaning up instruments after play conditions. Apply any of our rouges and lightly go over instrument.

A806 4"

A807 5"

A8097



A8098



BALUN BUFFS

A new material for buffing that will last 2 to 3 times longer than a muslin or flannel wheel with less lint. Excellent for buffing keys and chrome plated trombone slides. Use with white compound or yellow rouge and for a super high quality finish, follow with a flannel wheel and red rouge.

A8097 6" x 33 Ply (1/4" wide)

A8098 6" x 75 Ply (3/4" wide)

A816 5" x 59 PLY SEWED USED BUFFS

These are A802 buffs that have "experience" in the Getzen buffing room. The buffs have been used on a tapered spindle. Lots of use left. Simply rake out and use. Sold in packages of 6 only. Money back if not satisfied.



Goblet



Round



Tube

BRASS SCRATCH BRUSHES

Lead center w/.003 wire

A1070 6" Round

A1071 1 1/2" Goblet

A1072 1" Goblet

A1073 3/4" Tube

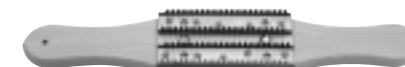
A1074 1 1/2" Tube

A1076 6" Round Coarse - .006" brass wire



A799 BELL THROAT BRUSH

Apply our greaseless composition (A810) to the tampico bristles and you can polish the inside of any Trumpet or Trombone bell.



A804 BUFF RAKE (Complete With Handle)

Use to reface and remove buffing compound build up from buff wheels.

A805 Replacement metal insert



WICKING

Just the material for hand ragging areas that are inaccessible to a wheel. This material holds compound better for faster polishing action. Long lasting, 100 foot rolls.

A890 1/2" wide

A891 3/4" wide



A810 GREASELESS COMPOSITION - "Butler Finish"
Apply to wheel and let dry for one minute or longer. Use to remove pits and scratches prior to buffing. 220 Grit - See Tech Tip on this page. Use only on the toughest job.



A811 ALLIED TRIPOLI
The "work horse" of the buffing room. Just the right grease content to allow greatest cutting action. Not for plated surfaces.



A8099 YELLOW ROUGE
This rouge is perfect for color buffing nickel and nickel plated keys and bodies.



A8096 GREEN ROUGE
Many of our customers have asked for this rouge to use on nickel and silver parts.



A812 LIME SUBSTITUTE
For years lime was the buffing compound of choice to use in between tripoli and rouge buffing. With lime no longer available we have come up with this compound. It works great and is as easy to use as our other buffing compounds.



A813 BURNS RED ROUGE
If you were to only have one rouge this would be it! The "only" red rouge. We have tried hundreds of others. None have approached the results this bar gives.



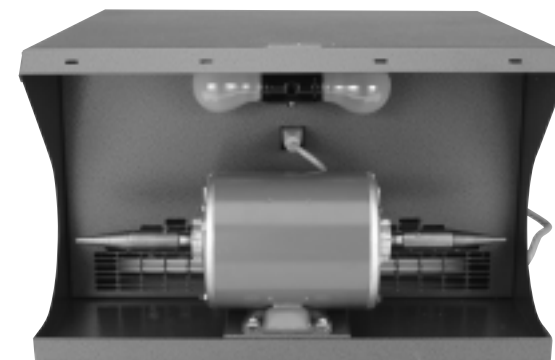
A815 CHROME COMPOUND
For trombone slides and anything else chrome plated.



A892 BLACK PLASTIC COMPOUND
Recommended for buffing and coloring black plastic parts. Great for plastic clarinets and hard rubber mouthpieces.

A814 WHITING

This is a powder that is applied to gloves that get soiled in the buffing process. This allows you to use a pair of gloves until they are worn out, not just dirty, try it! 5lb. Bag



T1441 PORTABLE BUFFING ROOM
Buffing unit is complete with blower, dust collector and lights. One switch turns on everything. Heavy Duty 1/3 HP 3450 RPM Motor with tapered spindles. Spun glass filter is easily cleaned or replaced. Vibration free construction. Simply plug into wall outlet and buff keys and other small parts with ease. Ideal for play condition shops or assembly benches. 120V only. 25" L x 12 1/2" H x 18" D.
T1444 Replacement Filter (10 1/2" x 23 1/2" x 1")
T1445 Replacement Filter (12" x 24 1/2" x 2")
T1446 Replacement Filter (12" x 20" x 2")

Greaseless Composition

It has become apparent that some technicians are not familiar with greaseless composition, Allied Part #A810.

EVERY REPAIR TECHNICIAN has a need for this product, not only those that buff and lacquer. Some do use it, but not to the best advantage. So read on.

WHAT IS IT? It is a composition of 220 grit emery compounded with a water soluble adhesive agent. It is supplied in a sealed tube.

HOW IS IT APPLIED? It is applied much like any buffing compound except much greater pressure against a buff wheel is necessary. Use a new 3/4" wide buff such as our A802. It is best applied by forcing the tube against the rotating buff at the same time cutting the power to the motor. This eliminates the problem of centrifugal force throwing the compound off the buff. A little practice will be required to coordinate pressure and buff rotation. Allow the compound to dry a minute or two before proceeding.

Suggestion: The end of the opened tube will become dry and hard unless it is covered with a wet rag. This is best accomplished by inserting a wet rag in a tin can and placing the tube upside down in the can.

USES:

- Removing nicks, scratches and perspiration etc. prior to buffing.
- Removing dirt, grease, etc. from valve slide tubing during play condition procedure.
- Cleaning surfaces prior to soldering such as brace flanges, finger hooks, tubing, etc.
- Polishing keys after silver soldering prior to buffing.
- Polishing rusty or scratched tools such as steel burnishers, dent balls and hand tools.
- Removing burrs of any description.

The cost is extremely small. One tube will last a one person PC shop a year. Caution: Use a new buff and then use it only for this compound. The buff will last a one person PC shop indefinitely.

Should you have any difficulty using this product, we will be glad to assist you, just give us a call.

SAFETY SUPPLIES



A808 REVERSIBLE GLOVES

Heavy duty gloves for buffing. Inexpensive and will outlast all others. Try a pair.



A1063 COTTON ASSEMBLY GLOVES-WHITE

Use these for assembling instruments after color buffing and lacquering.



A1069 DISPOSABLE BUFFING SUIT

A one size fits all, disposable buffing suit. Protect your clothes or even a tux during this dirty job.



A888 TECHNICIANS APRON

A quality, comfortable, good looking apron. Not canvas, but 50% cotton/50% polyester and machine washable. Adjustable neck strap, 29" length, Royal Blue, pockets.



A913 DISPOSABLE DUST MASK

An inexpensive disposable dust mask perfect for use in buffing operations. Not for use with toxic materials. **Box of 10 only.**



A823-N DUAL FILTER FACE MASK

A very efficient and economical face mask
A824-N Replacement Filter



A1062 BLACK 18" PVC GLOVE

This is an elbow length glove to use in your chemical room.



A1065 RUBBER CHEMICAL APRON

A full length rubber apron. We should all be using aprons, gloves, and eye protection while working in our chemical areas. Not only will they save your clothes but maybe your skin too!!



A1068 SOLDERING GLOVES

Heat resistant gloves used when soldering.



T1530 SAFETY GLASSES

Clear plastic with side shields. Can be worn over eyeglasses.



T1531 FACE SHIELD

Better protection than safety glasses or goggles. 8" tilting window is replaceable. Adjustable plastic head band
T1532 Replacement Window



SOFT SOLDER

Solid Wire

A830-20 1 lb. roll, .050" dia., 50/50 Tin/Lead

A830-30 5 lb. roll, .050" dia., 50/50 Tin/Lead

A830-40 1 lb. roll, .032" dia., 50/50 Tin/Lead

A830-63 1 lb. roll, .062" dia., 63/37 Tin/Lead



A834 SILVER SOLDER

1/32" Dia. 5 foot length. Solid wire.

A1080 FLUX COVERED SILVER SOLDER

Absolutely amazing stuff! A thin layer of flux wrapped around a core of silver solder. This makes silver soldering a breeze. Less clean up because you do not have excess flux everywhere. Try it - you'll love it. **Sold in 5' lengths.**

FLUXES



A904 or A831



A853



A835

SOFT SOLDER FLUX

The best we have found. Very aggressive.

A904 Stay-Clean – 4 ounce

A831 Stay-Clean – 1 quart (32 ozs.)

A853 Denver Soft Solder Flux – 1 pint (16ozs.)

A835 SILVER SOLDER FLUX

1 lb. Container.



A894



A896

LOW TEMP PATCHING KIT

A high strength silver bearing solder that melts at only 430°F. provides five times the strength of regular solder with tensile strength 10,000 to 25,000 P.S.I. Small kit contains 1/2 oz. of 3/64" dia. solder and 1/2 oz. of flux. Perfect for repairing cracks and holes in band instrument parts.

A894 Small Kit.

A896 1 lb. Roll of Solder - only

A904 Stay-Clean Flux - 4 ozs.



A829 ACRO SOLDER

Real Solder – not a glue! This is a real 50/50 tin-lead solder in paste form. Ready to use – nothing to add. Apply solder and heat with torch. Makes hundreds of metal to metal connections. This has a special non-acid flux which makes it ideal for lacquered or plated horns. Because it is a paste it melts at a lower temperature. **1 lb. can.**



A852



A887

A852 COLD SHIELD PASTE

Apply paste liberally to the area around where you will be soldering and that area will be protected from the heat of your torch. Great stuff that will save you from many headaches trying to put back together all that fell apart had you not used this product. Comes in a **32 ounce container.**

A887 SOLDER REPEL

Stop solder from flowing even over silver plate. Apply with cotton swab to areas you don't want solder to run. **1 oz. bottle.**



STEEL BINDING WIRE

Soft (annealed) - 2 lb. spool, 19 gauge is just the right size for binding parts prior to soldering. 16 gauge is the size used on the T1043 Roth tool.

A833 16 ga. (large diameter)

A889 19 ga. (small diameter)

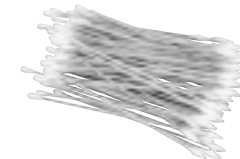


A899 BRISTLE PIPE CLEANERS

A 6" super absorbent pipe cleaner with the extra advantage of plastic bristles. These cleaners are just what you need to clean dirty key posts and hinge tubes. **Package contains 80.**

A901 JUMBO PIPE CLEANERS

A full 12" long and 3/16" diameter. Perfect for wiping solder in those really tight places. Snip off dirty tip and keep using. **Package of 100.**



A1015 COTTON SWABS

Double tip. One end blunt, one end tapered. 100's of uses. **Package of 100.**



T1777 BENCH OILER/FLUX DISPENSER

The best 2 ounce bench oiler we have found. Won't leak from cap or needle spout like most oilers. Use for fine oiling. 25 gauge. 1" long needle. Works great for dispensing flux also.

T5035 Replacement Cap



A832 ACID BRUSH

6" long and 3/4" tufts. Ideal for application of soldering acid.

REPAIR SHOP SUPPLIES

ASSEMBLY SUPPLIES



A855 GLASS & HARD SURFACE CLEANER

Great for cleaning lacquered instruments. Cleans most any surface and leaves only the shine. Works fast and never streaks. 18 oz. can.



A7326 MICRO LACQUER POLISH

Excellent for cleaning rental returns.



HAGERTY SILVERSMITH POLISH WITH TARNISH PREVENTIVE

Great for cleaning bright silver plated instruments.

A1008 8 oz. liquid

A1420 14.5 oz. aerosol



A818 BRASSO METAL POLISH

Excellent for touch up before spot lacquering. Allied Music uses Brasso for hand ragging overhauls. Not for aluminum or silver. 8 oz. can



FLITZ POLISH

A revolutionary product that cleans, polishes and protects virtually all metals, fiberglass and painted surfaces. Because its non- scratching, it's even safe on lacquered finishes.

A902 1.76 oz. tube

A903 5.29 oz. tube



NEW

A1007 ANTI-TARNISH STRIPS

A package of 10, 2" x 7" (a 3M™ product) tarnish prevention strips to put in flute, piccolo or any silver or silverplated instrument case. You can even use these in a jewelry box or silverware drawer to help prevent tarnish.



SILVER POLISH CLOTH

White and on a roll. This product will continue to polish even after it has turned black.

A1066 4" wide x 75 yds.

A1067 4" wide x 25 ft.



A908 SHINO POLISHING CLOTH

A great re-sale or shop item. Polish with the rouge treated inner cloth and final polish with the ultra soft outer cloth. Works on silver, gold, nickel, copper and brass.



A871 MIRACLE CLOTH

A chemical treated, 9" x 13-1/2" polishing cloth, that cleans, polishes and waxes silver, nickel, chrome, brass and copper. Perfect for removing scratchiness from trombone outside slide tubes. Removes rosin stains and cleans all string instruments.

A881 CASE SPRAY

Deodorizes even the worst smelling old cases. A nice final touch to any repair. 1 gallon.



A987



A988

A987 DISPOSABLE SHOP TOWELS

The best paper wipe we have tried. Used in every department at Allied for the last six years. Try a bundle and you won't use anything else for clean-ups, wiping solder, etc. 12 1/2" x 14 1/2". **100 per bundle.**

A988 GREEN OR BLUECLOTH

Many technicians know this as "blue cloth" since this product comes from the medical community either green or blue is used. This is tough stuff and lint free. Can be used in many situations when a standard shop towel won't hold up. **Sold in packages of 50.**



A1060



A1061 & A1064

A1060 T-SHIRT MATERIAL

Excellent rags for your bench when working on anything, especially woodwinds. **Sold by the pound.** Non-scratching.

CHEESECLOTH

A very high grade, tight weave cloth. Use on valves, trombone slides, etc.

A1061 By the yard

A1064 Box of 70 yds.



A995 BIG ROLL TOWELS ("Texas Toilet Paper")

An all purpose shop towel. Inexpensive and very handy. 12" W x 600 Ft.



A870 BLUE PROTECTIVE TAPE

Perfect for covering sax bows and other easy to scratch areas. Apply prior to assembly and remove after. The tape is a blue plastic film that bonds to the surface with no adhesive. It will not mark or stain lacquer or plating, not even silver. 2" x 660' Roll.



A840 REPAIR TAGS

Plain (store name can be rubber stamped)
Heavy cardboard back with carbon, original and claim check. Cardboard copy (carbon) is tied to case or instrument. Original is filed until work is completed. The best tag we have seen. Sample sent on request.
Repair tags can be imprinted on orders of 500 or more only, for an additional charge. Please provide store name, address, and phone number.



A822 RAZOR BLADES – SINGLE EDGE

Package of 100, .009" thick.



A179 FRENCH HORN STRING

100 yard spool, 50 lb test, black.



A1018 YELLOW FRENCH HORN STRING

(Same as what Yamaha uses) 1mm dia., 200 meter spool



A1010 WOOD WEDGES

No reed technician can be without these. Use on any repad to seat pads. Package of 100.

ABRASIVE PRODUCTS



EMERY/CROCUS CLOTH

1" x 50 Yards. Cloth back, ideal for band instrument work.

- A991 120 Grit
- A820 220 Grit
- A985 320 Grit
- A996 Crocus Cloth

A869 400 GRIT POLISHING CLOTH

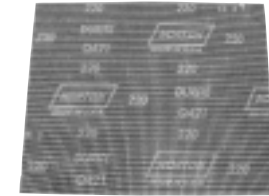
Perfect polishing hinge rods. Put hinge rod in bench motor and "pinch" with polishing cloth. 4-1/2" x 11" Sheet.



ABRASIVE CORD

Both have 180 grit to clean under braces before soldering or for cleaning up keys after brazing. Approximately 25 foot rolls.

- A882 Round Cord
- A883 Flat Cord



FABRICUT

Super fast material. Use 220 grit to cut down tenon corks, 320 grit used to clean up inside slide tubes on brass instruments. Also excellent for locating unevenness in brass in dent department. This material lasts and lasts. Will not clog. ALLIED cut its use of expensive emery cloth by two-thirds using this material.

A825 220 Grit – 9" x 11" Sheet

A827 320 Grit – 9" x 11" Sheet

A857 220 Grit Roll – 1" x 75 ft.

A858 320 Grit Roll – 1" x 75 ft.



T2029 SANDING STICK

You think emery boards are the answer? Try a sanding stick and you'll throw away your emery board. 3 different grits available. Tool comes with one 120 Grit Belt.

A992 120 Grit Belt

A993 220 Grit Belt

A994 320 Grit Belt



A1048 SHEET STEEL WOOL

The most fantastic new product we ever have introduced!!! This is actually a fabric sheet with steel wool attached to it. You can strap, rub, buff, do all the things you have wanted to do with steel wool all these years. Out lasts ordinary steel by at least 3 times and can be cut to any size with ordinary scissors. Add duct tape to the back and make it last even longer. **Sold by the foot.**

REPAIR SHOP SUPPLIES

ADHESIVES



A838 CORK CEMENT

Ideal for corking keys and joints. Apply single coat to each surface. Allow to dry then press together firmly. A lasting bond is provided that actually improves with age. Apply and store in our A874 brush top can, not included.

CORK CEMENT THINNER

Add thinner when necessary to make a consistency that will allow a thin film to be spread.

A839 Pint

A839-G Gallon - additional shipping charges apply



A874 BRUSH TOP CAN

Handy little can with brush attached to lid. Used for storing cork cement or flake shellac. 4 oz.

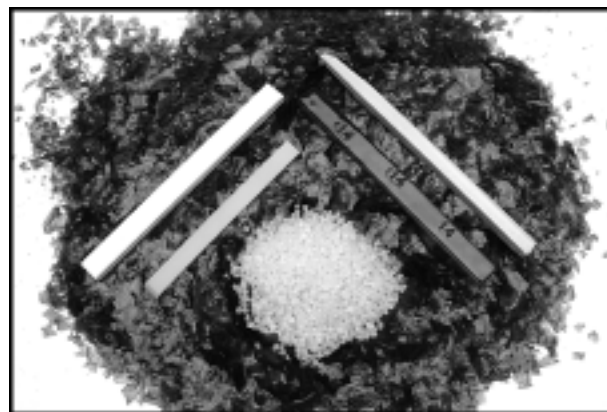


A850 EPOXY KIT

White - 2 Part Kit - Excellent for clarinet tenon installation and hole filling.

A851 BLACK DYE

For the above - 1 oz. Jar - Dye will last for years.



PAD ADHESIVES

A836 PAD STICK

This specially formulated hot melt glue is designed specifically for installing woodwind pads. Similar, if not exactly the same, adhesive used by many manufacturers. Size 1/2" wide x 1/8" thick x 5-1/2" long. Also available in pellet form.

A836-P 1/4 lb. bag of pellets **NEW**

A836-S PAD STICK - for your glue gun

Our very popular and most commonly used pad adhesive is now available to you in stick form, to use in any glue gun that accepts 1/2" sticks. Actual size is 1/2" x 10" long **sold in packages of 10.**

NEW

STICK SHELLAC

French Cream Stick Shellac. The stick shellac so many technicians requested. A true cream colored shellac. Not plastic. 3/8" sq. x 8" long - 156°F melting point.

A983 Stick

A984 Box of 20

A837 FLAKE SHELLAC

Mix with alcohol for gluing pads. See Tech Tip this page. 1 pound bag.

A1011 AMBER STICK SHELLAC

Flake shellac in stick form. 1/2" wide x 7" long. Used for sax, oboe and bassoon pad installation.

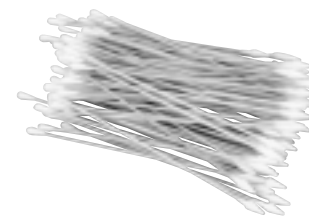
A1013 CLEAR STICK SHELLAC

We have had requests for our ever popular and traditional amber shellac sticks but clear, so here it is! 1/2" wide x 7" long, use on the woodwind of your choice.

NEW

A1012 WHITE STICK SHELLAC

1/2" wide x 7" long. Used for white kid bassoon pad installation.



A1015 COTTON SWABS

Double tip. One end blunt one end tapered. **Package of 100.** 100's of uses.



T1807 HOT MELT GLUE GUN

We believe this is the best glue gun on the market. With an even flow feed control trigger. This gun heats up to a consistent 380°F in only 3 minutes. The gun is solid state and is excellent for case repair. Uses 1/2" dia. glue sticks. Item may differ from picture.

A872 Clear Glue Sticks (Pkg. of 30)

Flake Shellac

Flake shellac has been used throughout the music industry for decades on saxophone pads. The product comes from India and is formed by an insects secretions. The resin is collected, melted, purified, and solidified in layers then sold. Pine resin has been used by some companies as a substitute but is not the same product.

Mixing flake shellac takes a little time and patience. In a covered container place a handful of flakes, pour enough denatured alcohol to cover half the amount of flakes. Stir or shake and let sit overnight. The next day check the consistency of the mixture. You are trying to achieve a little thinner than paste consistency. If it's too thin, mix in more flakes or leave open to evaporate off some of the alcohol.

To use this mixture obtain a glue can with a brush top lid (A874). Fill the can from the container you have mixed up. Use the brush to apply a layer to the pad cup and insert the pad. Level the pad on a bench anvil and seat the pad as you would using any other pad adhesive.

NIKOLAS LACQUER – the best air dry lacquer



NIKOLAS 2105 LACQUER IN 12 OZ. AEROSOL CANS

Great for touch-up work or spraying entire smaller instruments where spray equipment is not available.

A2105-C Clear
A2105-G Gold

NIKOLAS 2105 LACQUER

Mix 50-50 with 2105 thinner. Spray at room temperature or with paint heater.

A2105-L1 Gallon container } Hazardous shipping
A2105-L5 5 gal. container } charges apply

NIKOLAS 2105 THINNER

Mix 50-50 with 2105 lacquer. Spray at room temperature or with paint heater.

A2105-T1 Gallon container } Hazardous shipping
A2105-T5 5 gal. container } charges apply

A2105-R NIKOLAS RETARDER

Add up to 1 quart per gallon in place of thinner to help prevent blushing during humid weather. **1 gal. container.**

A4001 GOLD DYE - FOR 2105 OR EPOXY

Recommended mixture – 32 oz. lacquer – 3/8 oz. to 1/2 oz. dye – 5-1/2 oz. reducer or thinner. **1 pint container**

SPRAY HINTS FOR ANY TYPE OF COATING:

Use the least amount of air pressure necessary to atomize material at nozzle, about 35 pounds. Apply only one coat, wetting the entire surface. Applying more than one coat is humbug. Use the best quality Binks or DeVilbiss gun available. Apply only clear lacquer, not gold lacquer unless customer demands it or for special effect.

We will advise any repair technician having difficulty, if they use our product. Contact us, clearly stating your problems.

EPOXY COATING – the very best oven-bake material

Same as applied by most manufacturers today and also sold under trade name "Ferees Perma-Laq."

SEAGRAVES EPOXY

Formerly Maas & Waldstein, can be sprayed without mixing but we have found that you may need to add some A4005 Reducer to help the product flow easier. After spraying, air dry for 10 minutes and then bake at 325°F for 15 minutes. Store in glass container

A4003-1 One (1) Gallon Container } Hazardous shipping
A4003-5 Five (5) Gallon Container } charges apply

SEAGRAVES REDUCER (Thinner)

Mix 0-20% in epoxy lacquer to aid in spraying.

A4005 One (1) Gallon Container } Hazardous shipping
A4005-5 Five (5) Gallon Container } charges apply

A4004 SEAGRAVES RETARDER

Mix up to 10% to prevent blushing and aid in spraying during humid times of the year. **1 gallon container**

All silver dip, lacquers, thinners and retarders on this page of 1 gallon and more will have extra hazardous shipping charges added on. None of these products can be shipped by air or out of the usa (except Silver Dip which can be shipped to Canada only)



T1300 CAN HANDLER - (Aerosol can handle)

Perfect for the spray cans that you have around the shop.

A884 PITCH

Use to fill tubes prior to bending. Heat slowly to molten state. Cork one end of annealed tube and carefully fill. Make wood form by cutting to desired shape using a band saw. Hold one end of tube and bend tube against form. After tube is bent, start at large end and gently heat with torch until pitch starts to flow. Continue heating toward small end until tube is empty. **Caution: Do not heat tube past point of molten state. Tube could explode!**

After tube is drained, heat tube to cherry red which reduces the pitch residue to a powder. Clean inside by dipping in Slime-Away solution. Save drained pitch for reuse. **1 Gallon container**

CLEANING AGENTS



SLIME-AWAY POWDER

Ideal for cleaning oil, grease and lime out of play conditions and rental returns including rotor valves. Will not harm lacquered or plated finishes. **Caution:** Old or damaged lacquer can be loosened or discolored if Slime-Away is mixed too strong or if the instrument is left in the solution too long. Simply soak for 10 minutes and water rinse. All corrosion is removed. Excellent for cleaning woodwind mouthpieces. No fumes. Throw out your Muriatic acid. This is the solution band instrument repair technicians have been looking for since the beginning. Supplied in powdered form, simply mix 12 oz. per gallon of water.

Note: If your present batch of Slime-Away has become weak from use, it can be strengthened by adding 4 oz. of powder per gallon. DO NOT add more than 4 oz. at a time or add too often because the solution will become too strong causing lacquer to dissolve.

A876 12 oz. (makes 1 gallon)

A877 60 oz. (makes 5 gallons)

A886 37 1/2 lbs. (makes 50 gallons)

SEE "SAFETY SUPPLIES" ON PAGE 54



SILVER DIP - ANTI TARNISH

This solution could be called the Slime Away for silver plated instruments. Silver Dip removes the tarnish in five minutes with no etching and requires only very light color buffing to bring back the shine. Flute bodies are cleaned inside and out even next to the ribs and rolled tone holes. Full refund if you are not completely satisfied. Try it.

A892 1 gallon

Bending Mouthpipes

Brass tubing filled with pitch should not be bent unless the temperature of the pitch is approx. 70°F. The pitch is a mixture of tar, resin and wax. The proportions are determined with 70°F in mind.

What does this mean? During hot weather the pitch softens which allow the tubing to become out-of-round or even collapse when bent. Easy solution: Cool the tubing in water to reduce the temperature and then immediately bend.

During cold weather the pitch becomes too hard and brittle. The tubing will not bend uniformly and small pimples on the surface will result. Easy solution: Warm the tubing in water to 70°F. Be careful not to warm too much.

This is the reason manufacturers control the temperature in their bending departments.

Cleaning and Stripping Solutions

Cleaning Brass Instruments

Brass play conditions can be cleaned both internally and externally very simply by immersing the instrument in our A876 Slime-Away.

This solution removes oil, grease, dirt and lime. It will not harm plated or lacquered finishes. Note: Some old and damaged lacquer may loosen if left in the Slime-Away solution too long. Follow directions exactly. Use at room temperature. No ventilation is required. A plastic garbage container can be used for a tank.

Pickle Solution

Silver solder flux and stubborn lime deposits are easily removed in a solution mixed 1 part Muriatic acid (Hydrochloric) and 1 part water. Use a plastic or glass container. Immerse 3-5 minutes at room temperature. Good ventilation is required.

Stripping Air Dry Lacquer

Mix caustic soda (lye) 4-8 oz. per gallon of cold water in a steel tank. Note: Dangerous to mix in hot water. After thoroughly mixing heat to 180°F. Soak instruments for 5 to 10 minutes.

This solution will remove all oil, grease and etc. It will not remove lime or epoxy finishes.

Stripping Chrome Plating

Simply use straight Muriatic acid (Hydrochloric) at room temperature in a plastic container. Good ventilation and eye protection are a must.

Any of the solutions listed above can cause damage to eyes that even the best repair person cannot fix. Use caution at all times by wearing protective gloves and eye shields.

Resetting Clarinet Thumb Rests

When thumb rest screws are stripped, drill them out with a #51 drill and use an oversize thumb rest screw, our A275. Heat the screw "somewhat" for plastic bodies and heat the screw "hot" for wood bodies. The screw will then easily self thread. If the screw is heated too much for plastic bodies it will melt the plastic and a loose condition will result.

When the thumb rest area has a large piece broken out, fill with Armstrong Epoxy, our A850. Then before it hardens set the thumb rest and screws. Or you may wish to let the Epoxy harden and drill holes and install screws as above.

Another option is to replace the horizontal hole thumb rest with the Conn "teardrop" style (A253). This thumb rest has vertical holes making tear-out less likely.

SWABS AND BRUSHES



A1718 SUPER CLARINET SWAB

A new synthetic material that is superior to chamois. Permanently soft, very absorbent, lintless and can be washed with detergents. It will improve with age.



A1700 CLARINET SWAB

Wire handle



A1702 ALTO/BASS CLARINET SWAB

Extra long with covered wire handle



A1703 FLUTE SWAB

Wire handle



A1704 PICCOLO/RECORDER SWAB

Wire handle



A1705 OBOE SWAB

Double end swab, one end is tapered, the other straight.



A1706 OBOE SWAB SET

Two sizes both with wire handle



A1707 BASSOON SWAB SET

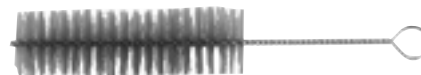
Two sizes for bass or wing joint



BRASS INSTRUMENT MOUTHPIECE BRUSH

A1715 Small Horns – Trumpets, Cornets & French horn

A1712 Large Horns – Trombone, Baritone & Tuba



A1717 VALVE CASING BRUSH



A1716 REED INSTRUMENT MOUTHPIECE BRUSH



CLEANING/TUNING RODS

Made of nickel plated steel to prevent corrosion, these are very good resale items.

T2421 Piccolo Rod w/ tuning mark – 8" long

T1709 Flute Rod w/ tuning mark – 14" long

T1708 Valve Casing Rod – 8" long

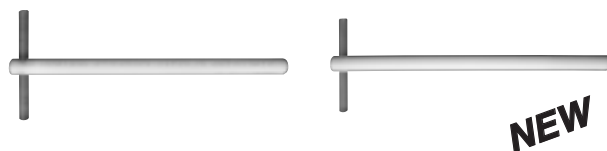
T1707 Trombone Slide Rod – 31" long



FLEXIBLE TUBE CLEANERS

These cleaners are made of heavy plastic wire with stiff bristle brush or swab at the ends.

- A1708 Sax Neck**
- A1709 Bassoon Bocal**
- A1710 Trumpet/Cornet**
- A1711 Trombone**
- A1714 French Horn**



T HANDLE CLEANING RODS

Why make a t-handle tool to rag out valve casings when you can buy these inexpensively?

- T5047 Small Valve Casing** – Trumpet, Cornet, Marching Brass
- T5048 Large Valve Casing** – Baritone, Tuba



A1725 SMALL CLEANING BRUSH

Overall length of 7¾", 3 rows of ½" bristles and length of bristle area is 1½", handle is plastic.



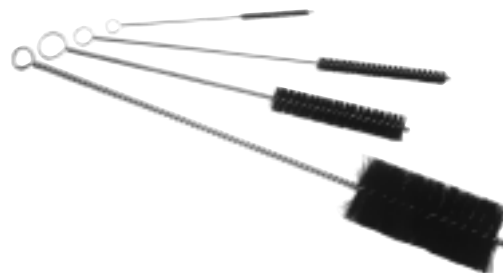
T1779 PLATERS BRUSH

For cleaning brass to be plated, using pumice and water, also very handy to cool work with water, after soldering. Overall length is 10", 4 rows of bristles that are 5/8" long, bristle area is 4½" long, handle is wood.



T5002 LARGE PLATERS BRUSH

Perfect for scrubbing sax bodies and large brass instruments. Overall length of brush is 13"; 4 rows of 1 1/8" bristles and length of bristle area is 6¼" long, handle is wood.



Tube Bristle Brush

Part #	Size	Length
A1730	3/16"	6"
A1731	1/4"	6"
A1732	3/8"	13.5"
A1719	7/16"	9"
A1733	1/2"	11"
A1734	3/4"	11"
A1735	1"	11"
A1736	2"	15"

TROMBONE TUBE BRUSH

Finally 32" long brushes to clean those stubborn t-bone slide tubes!!!

- A1737 Tenor Trombone** – ½" dia. and 32" long
- A1721 Bass Trombone** – 5/8" dia. and 32" long

STAINLESS STEEL HINGE TUBE BRUSH

These brushes are tiny but do a great job cleaning the inside of hinge tubes.

- A1738 SS Brush** - .080" dia. and 3½" long
- A1739 SS Brush** - .100" dia. and 3½" long

SAXOPHONE BODY BRUSHES

Why didn't someone think of these before? Long brushes with reverse tapered bristles so that when you put them in the body, the big end of the brush will be in the big end of the tapered body.

- A1722 Alto Sax Brush** – 23" long
- A1723 Tenor Sax Brush** – 31" long

Piccolo Repadding

Many reed instrument technicians express more difficulty with repadding piccolos than any other instrument. We suspect the main reason is that they don't have an opportunity to do enough of them. The old saying "Once you know how, it's easy" readily applies to repadding piccolos. Believe it or not, piccolos are no more difficult than clarinets or flutes.

Here are some do's and don'ts.

Particular care must be taken to carefully swedge the keys. Loose keys allow the pad to "wander" and not seat firmly. What you may get away with on clarinets and flutes will come back to haunt you on piccolos. The action will be spongy and the pads will leak.

Anyone that is not an expert "floating-in" pads should use clarinet pads, not piccolo pads! This suggestion probably will surprise some of our readers. Why fight "floating-in" pads when you are not proficient? Read on.

The most common mistake is the selection of pad diameter and thickness. Take one key at a time. Do not fit pads indiscriminately to all the keys. First, fit a pad to the C key and then assemble that key. If the pad hits in the back, either squeeze it thinner using duck bill pliers or insert a size smaller pad. If it still does not seat, squeeze it thinner. If after a smaller pad is squeezed and it still hits in the back, the key pan may have to be bent downward. Proceed taking one key at a time. It is imperative to find the right formula for each key separately.

Adjust piccolos the same as flutes. After adjustment heat the pans and clamp. If the action is still spongy, moisten the pads and place in oven (light bulb inside some kind of container) for 15 minutes. Piccolos with composition bodies should be removed after 10 minutes and allowed to cool and then placed back in oven for another 10 minutes. Temperatures over 150°F can warp composition bodies.

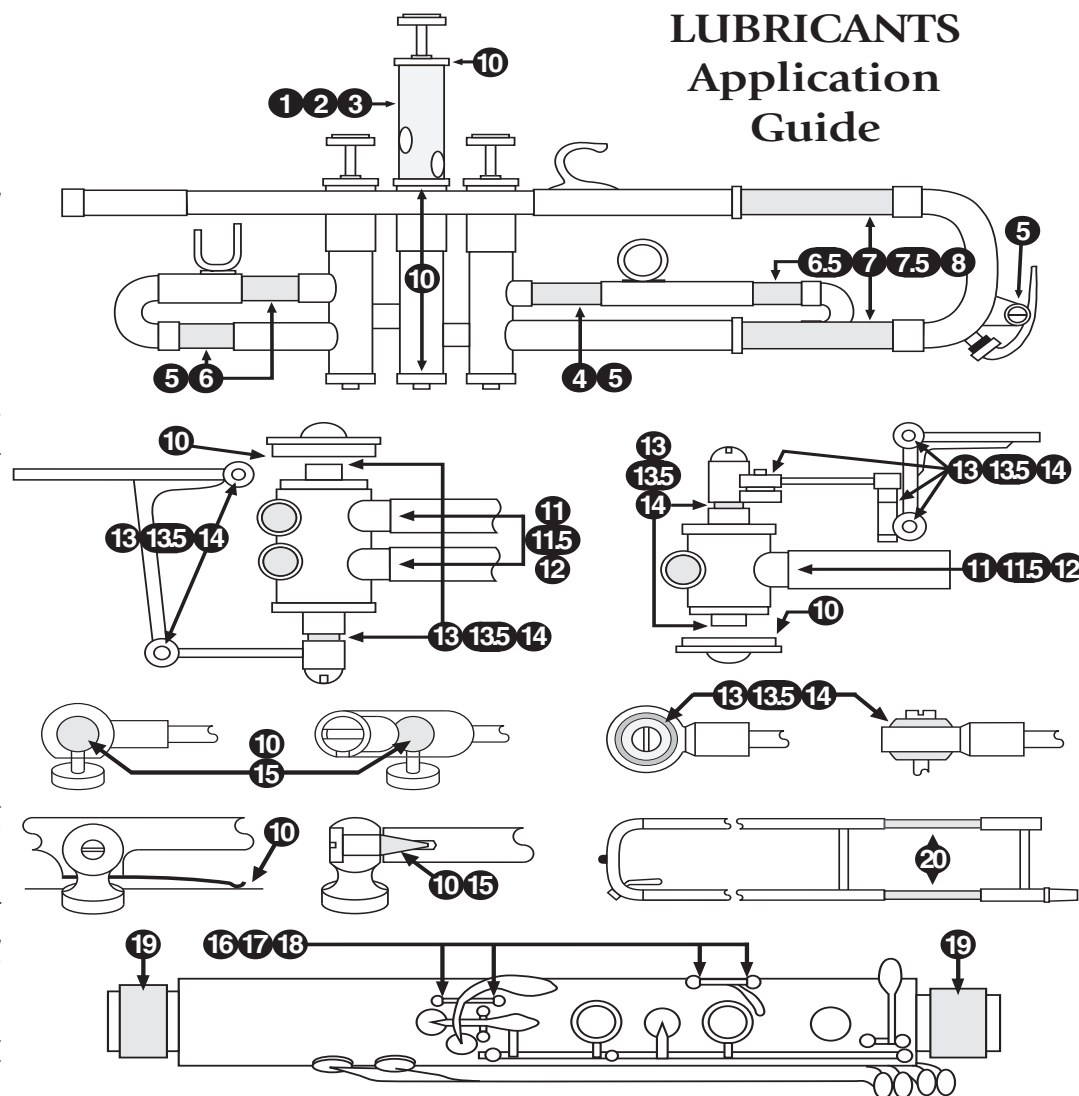
After following the above instructions and repadding three or four piccolos, hopefully one right after the other, you will not have to curse those cute little harmless things ever again. We hope.

Brittle or Too Dry Cork?

If your cork seems brittle or too dry to use immediately, it can be re-hydrated by placing it in a sealed container (ziplock bag) with a damp sponge for a couple days. You can do this with any cork that has been sitting for a long time.

Hetman[®]

MUSICAL INSTRUMENT LUBRICANTS Application Guide



HETMAN PRODUCTS CANNOT BE SOLD TO:

- JAPAN • TAIWAN • SINGAPORE
- **ALL OF EUROPE:** Albania, Andorra, Austria, Croatia, Czech Republic, Denmark, England (UK, Great Britain), Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Liechtenstein, Netherlands (Belgium), Norway, Poland, Portugal, Scotland, Spain, Slovenia, Sweden, Switzerland, Yugoslavia

Hetman[®]

The extensive range of Hetman[®] Musical Instrument Lubricants constitutes an application-specific system of advanced instrument care for the discriminating musician. This system of lubricants was developed to go beyond the limitations of conventional oils and provide a new level of instrument performance and longevity.

Ongoing wear and weakening of the instrument's air seal due to improper lubrication are serious threats to the performing artist. The negative effects include unsure response, diminishing resonance and clarity, erratic intonation, and unreliable action. An extensive research and development project was therefore undertaken to engineer a comprehensive system of lubricants that would satisfy the following criteria:

- **Nontoxic Formula** - each lubricant is nontoxic.
- **Leading-Edge Technology** - each lubricant embodies the most advanced technology, providing superior, longer-lasting performance, and protection against wear and corrosion.
- **Compatibility** - each lubricant is compatible with conventional petroleum-based oils, avoiding potential gumming problems associated with some synthetics.
- **Application-Specific** - each lubricant's viscosity, and formulation is designed for its specific application.
- **Easy Application** - each lubricant is packaged with a dispensing system that allows convenient application to the most difficult-to-reach lubrication points.
- **Application Guide** - an easy-to-follow application guide is available that describes the suggested use of each product.

Hetman[®] Musical Instrument Lubricants achieve the optimum balance between quick action and protection of vital components. Hetman[®] lubricants are formulated in special viscosity grades that meet the specific requirements of the artist, and best suit the individual character of the artist's instrument. Performers are afforded the feel and confidence of a smooth, consistent action, while the longevity of their treasured instrument is prolonged by the unique formulation of each lubricant.

Hetman[®] Musical Instrument Lubricants allow superior performance and protection to be realized immediately upon application. Although pre-cleaning is not required, maximum performance and protection is achieved by applying Hetman[®] lubricants to a thoroughly cleaned instrument. The unique formulation of Hetman[®] Musical Instrument Lubricants provides unprecedented levels of both performance and protection.

© MUSIKWERKS[™] • USA

PISTON VALVE LUBRICANTS

A7231 #1 LIGHT PISTON™

A long lasting synthetic valve oil specifically formulated for instruments with close tolerance piston valves. Provides for an action that is smooth, quick and consistent. Protects against wear and corrosion.

A7232 #2 PISTON™

A synthetic valve oil designed specifically for instruments with piston valves having average clearance. Long lasting formula provides for an action that is smooth, quick and consistent. Protects against wear and corrosion.

A7233 #3 CLASSIC PISTON™

Synthetic protection for your classic instrument, formulated to help seal piston valves having greater clearance. Promotes smooth, quick action; helps prevent sticking and is long lasting.

SLIDE LUBRICANTS (OIL)

A7234 #4 LIGHT SLIDE™

A lighter viscosity synthetic lubricant formulated for tighter fitting valve slides and for valve slides of longer length (e.g. 3rd valve slides). Provides rapid slide action when making intonation adjustments.

A7235 #5 SLIDE™

Original (Tuning Slide Oil) formula, a medium viscosity synthetic lubricant for first and 3rd valve slides. Maintains seal and smooth slide action when making intonation adjustments.

A7236 #6 HEAVY SLIDE™

A long lasting synthetic valve oil specifically formulated for instruments with close tolerance piston valves. Provides for an action that is smooth, quick and consistent.

SLIDE LUBRICANTS (GREASE)

A7252 #6.5 SLIDE GEL LIGHT™

A hi-viscosity synthetic lubricant for close fitting tuning slides. Provides long lasting seal and firm slide “feel/pull”. Will not bunch-up on slide tube ends. Adhesive formula protects against corrosion and wear.

A7237 #7 SLIDE GEL™

A higher viscosity synthetic lubricant for average fitting tuning slides.

A7249 #7.5 SLIDE GEL PLUS™

A synthetic lubricant of extra-heavy consistency designed for loose fitting tuning slides. This tacky synthetic keeps slides in place and airtight. Resist breakdown, may be used together with #7 Slide Gel to obtain desired “feel” or “pull” of slides.

A7238 #8 TSG™

For those who prefer a long lasting slide lubricant of heavy consistency, this premium tuning slide grease keeps stationary slides airtight and in place.

A7250 #8 TSG™

Same as above but in a 250 gram jar (shop pack size)

SYNTHETIC INSTRUMENT GREASE

A7240 #10 MIG™

A multi-purpose musical instrument grease for brass and woodwinds. Lubricates flat springs and tracks, pivot screws, wing/neck screws, joints, linkages, hinges, levers and threads. Waterproof synthetic guards against wear and corrosion, Plastic-safe.

ROTARY VALVE LUBRICANTS (ROTOR)

A7241 #11 LIGHT ROTOR™

A synthetic lubricant formulated specifically for instruments with close tolerance rotors. Long lasting formula provides for a quick action while guarding against corrosion and wear, needle oiler.

A7251 #11.5 MEDIUM ROTOR™

A synthetic lubricant formulated specifically for instruments with average clearance rotors. Needle oiler

A7242 #12 ROTOR™

Long lasting synthetic lubrication for instruments with rotors having greater clearance, Improves valve seal while protecting against corrosion and wear, needle oiler.

A7211 #13 LIGHT BEARING & LINKAGE™

Formulated for close tolerance rotary valves, this synthetic lubricant ensures maximum wear and corrosion protection for spindle bearings, rod end bearings, linkage joints and lever hinges without slowing the action. Needle oiler

A7243 #13.5 MEDIUM BEARING & LINKAGE™

A synthetic lubricant designed for rotary valves having average clearance. Provides for a smooth, quick action while protecting spindle bearings, rod end bearings, linkage joints and lever hinges against wear and corrosion. Needle oiler

A7210 #14 BEARING & LINKAGE™

Engineered for rotary valves having greater clearance. Synthetic protection for spindle bearings, rod end bearings, linkage joints, and lever hinges. Needle oiler.

A7244 #15 BALL JOINT™

An extra heavy synthetic designed for ball joints, lubricates, protects against wear and corrosion, quiets noisy joints, dampens vibrations and assures a smooth action. Also for pivot screws and worn linkage components, needle oiler.

KEY LUBRICANTS

A7245 #16 LIGHT KEY

A synthetic key lubricant formulated for instruments with close tolerance actions. Frees sticking keys by penetrating into hinge tubes. Provides for a smooth, quick action, protects against wear and corrosion, needle oiler for easy application.

A7212 #17 MEDIUM KEY™

The preferred key lubricant of most instruments. The viscosity of this synthetic is best suited to actions of average tolerance. Keeps keys moving quickly, smoothly and quietly. Protects against wear and corrosion, needle oiler.

A7246 #18 HEAVY KEY™

A synthetic key lubricant engineered for instruments with worn actions and instruments that characteristically exhibit greater action tolerance. Dampens sympathetic vibrations, and provides for a smooth, quiet action. Needle oiler for easy application

CORK LUBRICANT

A7247 #19 CORK™

A long lasting, synthetic cork lubricant that provides for smooth, positive tenon joint assembly while ensuring long cork life. Preserves joint corks without build-up or caking, also great for saxophone necks screws.

TROMBONE SLIDE SPRAY

A7248 #20 HYDRO-SLIDE™

When added to water, Hydro-Slide™ forms an extraordinary lubricating fluid. Use with or without slide cream for an unusually smooth slide action. Mix concentrate with water (1:40, 1:20 or 1:10) in Hydro-Slide™ applicator and spray on slide.

REPAIR SHOP SUPPLIES

LUBRICANTS



A989



A826



A990

NEW

A989 LPS® 2 GENERAL PURPOSE LUBRICANT

Penetrates and Loosens Frozen Parts. Protects all metals for one year or more. Penetrates rusted and frozen parts FAST! Cleans, brightens and protects tools and metal working equipment. Protects outdoor electrical/electronic systems against rust and corrosion. Ideal for ways of lathes, vertical columns of drill presses, as a machine oil for cutting ferrous metals. Protective coating for hand, air and machine tools. 11 oz. aerosol.

A826 PENETRATING OIL WITH TEFLON & POLY

Excellent for "frozen" parts where corrosion is a factor. You will discard all other so called penetrating oils after you have tried this fantastic material because it works so fast, even on the toughest jobs. It is incredible! 13 oz. aerosol.

A990 FLUID FILM®

NEW

We are still discovering uses for this environmentally friendly product. Lanolin based and great to use around the shop. It's unprecedented to prevent rust on tools, lubricate chucks, vise threads, locks, lathe bed, etc, just spray it on, let sit and wipe excess off. You will find uses not even thought of yet for this great product! It's like having a million ball bearing on your dent balls and mandrels.



A854

A854 SPRAY DEGREASER & FLUX SOLVENT

An "environmentally friendly" degreasing agent. It takes a couple seconds longer to dry than the old CFC degreasers but works every bit as well. 20 oz. can.



A875



A897



A898

A875 HERCULES LUBE OIL

Hercules lube oil is a multi-purpose oil great as key oil. Non-toxic, non-detergent, and non-gumming. Comes with 7-1/2" extend-a-spout. Many uses.

TUFOIL SUPER OIL

Tufoil is the ideal cleaner/lubricant. It cuts through crud and corrosion, leaving a film that prevents rust and functions from -60 to +500°F. Tufoils has superfine (.05 to .5 micron) Teflon particles that actually penetrate the pores of the metal. We have had great success using this product as a key and penetrating oil.

A897 Tufoil Pen Oiler - 1/4 oz.

A898 Tufoil - 1 oz.

SHOP SIZE LUBRICANTS

VALVE OIL

A7201 Pint Container

A7200 Gallon Container

A7202 TROMBONE SLIDE OIL

Pint Container.



A7204

A7204 LANOLIN

8 oz. container, Lanolin base, perfect for Brasswind tuning slides. *Not for Trombone handslides*



A6063

A6063 CORK GREASE

1 Lb. Container.

3rd Slide Repair

When you have trouble restoring the "kick" to trumpet kick-out 3rd slides, try this. After cleaning the slides, both inside and inside of the outside and after doing your normal adjustments put a few drops of key oil on the slides. Run each slide separately into its respective tube. Clean off excess oil. If all this is done correctly your 3rd valve should work as smooth as glass. If it does not, the alignment of the slide tubes should be checked. Also check for dents in tubing or tubes that are out-of-round. Correct these conditions and follow by lapping each slide tube to its matching tube and then with slide assembled, lap back and forth. Clean all lapping compound off, oil tubes with a heavy oil and you should have a happy customer.

Repairing Valves

Most stuck pistons are easily removed by using one of the other pistons as a driver. Simply insert it into the bottom of the casing and gently tap it using a rawhide mallet. If the piston is frozen, use penetrating oil. Apply it at the top and bottom of the piston and thru the slide tubes. Again use one of the other pistons as a driver. In extreme instances it may be necessary to turn down a brass rod to use as a driver if gentle tapping on the driver piston is unsuccessful. Caution: Occasionally a foreign object such as a pencil or paper clip will lodge in a port hole. If the piston is removed under these circumstances, the instrument will be ruined. Check the ports prior to driving out a stuck piston. After the piston is removed and cleaned, it will usually work. If not, hand taping will be required.

When the valve casing is severely damaged, the proper method of repair is honing. Adjustable reamers and rat-tail files are out. Solid mandrels are inefficient because so many sizes are required and ineffective because they do not produce a quality job. Allied's valve lap acts as a hone and is available at a very low cost.

We have been asked whether or not damage to the valve casing will occur should the Allied valve lap wobble when driven by a variable speed drill. The answer is no. The reason is because neither the lap or the instrument is held perfectly rigid during the honing process. Both "float" so wobble is of no consequence. Detailed instructions are provided with each valve lap.

Preparing valve threads has been a very time consuming process until Allied developed thread chasers. Simply use a dent ball to round damaged threads. Tap the proper size ball into the end of the casing and form the threaded area round the ball using a plastic mallet. Then chase the threads using the proper chaser. The chaser like the valve lap will pay for itself on just one job and both will give years of service.

Valve repair can be profitable with little time expended with the proper tools. Problems occur when improper tools and techniques are used.

Allied pads are manufactured in Italy by Luciano Pisoni Inc., the world's largest manufacturer of reed instruments pads. Some suppliers try to imply that pads made in Italy are of lesser quality and poorer consistency than U.S. manufactured pads. This is simply not true!

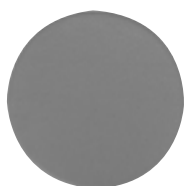
Every major band instrument manufacturer in the United States uses Mr. Pisoni's Pads. We feel this wide acceptance of Pisoni Pads speaks for itself.

The pad descriptions have been expanded to include thickness dimensions. These are the standard sizes. But because pads are made from animal skins, slight variations are possible.

SAXOPHONE PADS

Allied Saxophone Pads are available in seven styles spanning four thicknesses.

Sold in even dozen and hundreds only except sizes above 60/32 (47.5mm) are available in half dozens.



For Sizes (in 32nds)	Order Style
10-88	207

207 Full Cardboard Back Saxophone Pads

This pad has a full cardboard back, woven felt and fine leather skin.
32nd sizing from 10/32 to 88/32. .175"/4.4mm thick.



For Sizes (in 32nds)	Order Style
10-19	207
20-88	210

210 Selmer Style Plastic Tone Booster Saxophone Pads

This pad features a full cardboard back, woven felt fine leather skin and Selmer style plastic tone boosters, 20/32 - 21/32 plain, 22/32 - 88/32 with resonators. .180"/4.6mm thick.



For Sizes (in 32nds)	Order Style
10-22	207
23-88	207R

207R Riveted Full Cardboard Back Saxophone Pads

A riveted 207 pad. 32nd sizing from 23/32 to 88/32. .175"/4.4mm thick.



For Sizes (in 32nds)	Order Style
10-19	207
20-88	212

212 Selmer Style Metal Tone Booster Saxophone Pads

The same pad as our 210 model but with the new Selmer style nickel plated brass tone booster.
20/32 - 21/32 plain, 22/32 - 88/32 with resonators. .175"/4.4mm thick.



For Sizes (in 32nds)	Order Style
10-19	207
20-88	208

208 Full Cardboard Back; Flat Resonator Saxophone Pads

The 207 pad with a nickel plated brass, flat resonator.
32nd sizing from 20/32 to 88/32. .175"/4.4mm thick.



Style	Size (mm's)
207PD	7 to 70 in .5mm

207PD Premium Deluxe Saxophone Pads

This unique style pad was developed to meet the requirements of our most discriminating customers. The 207PD features include; woven felt that is 75% firmer than our standard pads, the highest quality leather with very tight grain and fewer pores, no rivets or resonators, just a prepunched center hole (starts at size 18mm) to allow the use of the customers favorite resonator or rivet, a 2mm undersize cardboard back giving the pad a beveled side for better fit and 1/2mm sizing from 7mm to 70mm to insure the size you need is available. .155"/4mm thick.



Style	Size (mm's)
207PF	7 to 70 in .5mm

207PF New Premium Felt Pads

Because of the high demand for our 207PD pads and the limited availability of super premium leather, 207PD inventories have been difficult to maintain. 207PD users have suggested producing a pad with the consistency, sizing, and excellent hard felt of the premium pad but using standard leather. The 207PF (Premium Felt) is the result. 1/2mm sizing from 7mm to 70mm, a prepunched center hole (starts at size 18mm) for your favorite resonator or rivet, and hand woven felt make this an excellent substitute for the 207PD pads and an excellent addition to our saxophone pad selection. .155"/4mm thick.

SAXOPHONE PAD ASSORTMENTS

SIZE AND QUANTITIES ACCORDING TO USE. EVERY SIZE IS INCLUDED AND EACH SIZE IS MARKED AND PACKAGED SEPARATELY. A PROPER START FOR A REPAIR SHOP. 500 PADS IN EACH ASSORTMENT	
PART NO.	STYLE NO
A530	207
A531	207R
A538	208
A540	210
A535	212

TECH TIP: Pad Inventory

We are frequently asked by new repair shops what pads and sizes should be stocked to keep their investment to a minimum, but have the selection needed to repair the instruments that come in. The following is suggested when starting a new shop.

Clarinet Pads

Style	Quantities and Sizes
460, 466, PN-3, or PN-4	100 each of sizes 9.5 and 10mm 12 each of sizes 8.5, 9, 11.5, 12, 15, 15.5, 16.5, and 17mm

Flute Pads

Style	Quantities and Sizes
450 or 456	12 each of sizes 11.5, 12, 19, and 19.5mm 36 each of sizes 17, 17.5, 18, and 18.5mm

Saxophone Pads

Order a 500 assortment in the style of your choice. (Suggestion, many companies are using a plastic resonator on their new instruments. So the style 210 assortment (A540) may be a good inventory starter.) Another option is to order the 207PF or 207PD pads in all sizes. Along with these you will need to order rivets, plastic, and metal resonators. You will now be able to supply your customer with any style resonator they desire and match the style on any saxophone.

Piccolo Pads

You may use clarinet pads, but you will also need to stock a dozen of each size 6.5 to 12.5mm style 411 pads.

Oboe Pads

If you have ordered everything suggested so far you have a style and size needed to repair the few oboes you will see at first. As time and experience increase, you will want to order a dozen of each size of style 465 cork pads.

Bassoon, Alto and Bass Pads

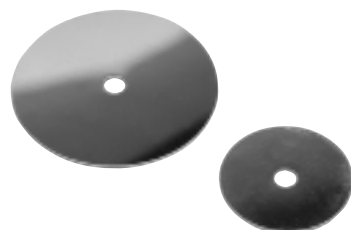
You will need a dozen of each size of either style 410 or 413 kid skin pads. You might pay attention to the makes of instruments in your area and order the sizes that fit just those makes. Then you can add the other sizes as needed.

You do not need to overstock your inventory with pads. Allied's pads are in stock and ready to ship to you at a moments notice. So let us be your "big" inventory and you stock only what's needed for the short run.

Flat – Resonators

Same as used on 208 Saxophone Pads. Nickel plated brass. **Rivets included. Sold in dozens and hundreds.**

Part No.	Diameter in MM
A545	10
A542	12
A549	16
A544	20
A557	24
A558	28
A559	32



Selmer Style Nickel Plated Convex Resonators

The same type as used on Paris Saxophones. Nickel plated brass. Rivets included. **Sold in dozens and hundreds.**

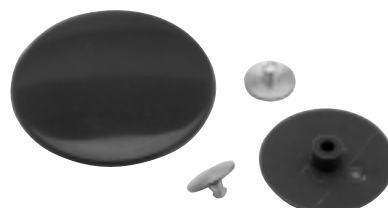
Part No.	Diameter in MM
A971	11
A972	16
A973	20
A974	24
A975	28
A976	32



Selmer Style Plastic Resonators

This convex plastic resonator uses a brass snap to eliminate heat sink tooling and aggravation. **Sold in dozens and hundreds.**

Part No.	Diameter in MM
A960	8
A961	10
A968	11.5
A962	14
A963	18
A964	21
A969	24
A965	28
A966	31
A967	34



Sax Pad Rivets

Sold in 100's

A541 5.5mm Head Diameter x 4.7mm rivet length
A1680 9mm Head Diameter x 5mm rivet length
A525 6mm Head Diameter x 6mm rivet length



T1045 Pad Rivet Punch
For tubular pad rivets

Smooth Convex Resonators

This convex resonator has a rivet attached, (Rivet does not go through resonator) to attach it to a pad using the T1045 rivet tool. Nickel plated brass. **Sold in dozens and hundreds.**

Part No.	Diameter in MM
A1682	12
A1683	16
A1684	20
A1685	24
A1686	28
A1687	32



Resonator Sizing Chart

Resonator Size	32nds	Pad Sizes mm's
8mm	20-29	16-23
10mm	30-34	24-27
14mm	35-39	28-31
18mm	40-47	32-37
22mm	48-54	38-43
26mm	55-59	44-47
30mm	60-65	48-52
34mm	66-88	53-70

CLARINET PADS

Ordering Allied clarinet pads gives you the choice of 3 styles: non-beveled, straight beveled or step beveled sides and five thicknesses. Only quality double skins, not thin single skins, and tightly woven felt are used.

411 Clarinet Pad – Thin

Allied's thinnest clarinet pad, which can be used for oboes and piccolos as well, No bevel
.095" or 2.4mm in sizes 6.5 to 20mm

412½ Clarinet Pad – Thick

An extra thick pad to fit the deepest cups. Straight bevel,
.170" or 4.3mm thick and in sizes 6.5 to 20mm

460 Buffet Style Clarinet Pad

Our most popular clarinet pad, wrinkle free skin with the Buffet style step bevel to insure excellent tone hole coverage.

Average thickness is .120" or 3.1mm and in sizes 6.5 to 20mm

466 Premium Deluxe Buffet Style Clarinet Pad

Extra care is taken in the selection of materials and workmanship while assembling these pads. Identified by their silver back, these pads have the Buffet style step bevel.

Average thickness is .120" or 3.1mm and in sizes 6.5 to 20mm

468 Original Style Buffet Clarinet Pad

For the most discriminating customer, these are French designed Buffet pads but made in the Pisoni factory in Italy. A thin felt, thicker cardboard and high quality double skin make for a stable pad.

Average thickness is .118" or 3mm and in sizes 6.5 to 20mm

PN-3 Vito Style Clarinet Pad – Medium

A copy of the pads used by Leblanc, double skinned, straight bevel, woven felt.

Average thickness is .106" or 2.7mm and in sizes 6.5 to 20mm

PN-4 Vito Style Clarinet Pad – Thick

A thicker version of the PN-3 above

Average thickness is .125" or 3.3mm and in sizes 6.5 to 20mm

ALTO & BASS CLARINET AND BASSOON PADS

410 White Kid Pad

413 Tan kid Pad

Woven felt and high quality leather skins

Be sure to specify either style 410 or 413

Average thickness is .134" or 3.4mm and in sizes 7 to 38.5mm

U800 Schreiber Oval Whisper Key Pad

Sold singly

OBOE & PICCOLO PADS

411 Oboe or Piccolo Pad – White

Allieds thinnest pad, may be used on clarinets also, no bevel

Average thickness is .095" or 2.4mm and in sizes 6.5 to 20mm

414 Oboe or Piccolo Pad – Yellow

Many companies now use yellow pads on their piccolos so we have added them. This is a deluxe pad.

Average thickness is .086" or 2.2mm and in sizes 6.5 to 20mm

465 Cork Pads

As perfect (no occlusions) a cork pad as we can find, can be used on upper stacks of clarinets too. Thickness is .115" or 2.9mm and in sizes 6 to 13mm

NOTE: All pad styles are available by the dozen or 100 of each size.

Also, the following styles have a 100 assortment available: 411, 414, 412½, 460, 466, PN-3 & PN-4, 450, 451, 454, 456, 457 & 465.

To order an assortment of 100 pads, specify the style and "asst" (i.e. 460-asst or PN-3-asst, etc.)

FLUTE PADS

These high quality flute pads all feature select double skins, woven or pressed felt and a 5.5mm center hole in sizes above 16mm.

Note: Open hole pads must be made using the T1612 Flute Pad Cutter. This tool will cut the proper size hole for any open hole flute and works with all styles of flute pads.

450 Flute Pad – White

Our most popular flute pad with consistent sizing

Average thickness is .110" or 2.8mm and in sizes 11, 11.5, 12 & 16 to 20mm

451 Flute Pad – Yellow

The same high quality as our 450 pad but with yellow skin

Average thickness is .110" or 2.8mm and in sizes 11, 11.5, 12 & 16 to 20mm

456 Premium Deluxe Flute Pad – White

Developed to meet the needs of the particular technician, these pads are fabricated with care using the highest quality skins and pressed felt. Silver cardboard back

Average thickness is .110" or 2.8mm and in sizes 11, 11.5, 12 & 16 to 27.5mm

457 Premium Deluxe Flute Pad – Yellow **NEW**

After many requests we have added this pad, same pad as our 456 but with yellow skin.

Average thickness is .110" or 2.8mm and in sizes 11, 11.5, 12 & 16 to 20mm

454 Premium Select Thin Flute Pad – Yellow

After many customer request we now offer a very high quality yellow pad to use on professional model flutes. The secret to this pad is the expensive and extremely high quality pressed felt.

Average thickness is .098" or 2.5mm and in sizes 11, 11.5, 12 & 16 to 20mm

Flute Pad Shims

Paper washers to shim your flute pads to the proper thickness to achieve a perfect seat, Available in the thicknesses below

Sold in 100's

A289 - .004" or .1mm thick sizes 16, 17, 18 or 19mm

A290 - .008" or .2mm thick sizes 16, 17, 18 or 19mm



T1718 HEATING STRIP

120 volt heat strip to use when seating Valentino pads and other woodwind pads.

VALENTINO GREEN BACK PADS

After many requests we are adding to our extensive pad selection **Valentino Green Back Pads**. Companies such as Buffet & Yamaha are using Green Back pads on their production instruments. Try them - we think you will be pleased. **See Tech Tip Page ??.**

**USE TRADITIONAL SIZES FOR PRESS FITTING
AND 0.5mm SMALL WHEN FLOATING**

Clarinet Pads – White

Available in sizes 6.5 to 20mm

491 – Thin .110" or 2.8mm

471 – Medium .120" or 3.1mm

472 – Thick .130" or 3.3mm

Clarinet Pad – Tan – Cork Style

Available in sizes 6.5 to 20mm

473 – Thin .110" or 2.8mm thick

Flute Pad – White

Available in sizes 11.5, 12 and 16 to 20mm

481 – .080" or 2mm thick

480 – .110" or 2.8mm thick

Piccolo Pad

492 – **Very Thin** (Use for Yamaha) .080" or 2mm thick and in sizes 6.5 to 15mm

491 – **Medium** (Use for Gemeinhardt or Armstrong) - .110" or 2.8mm thick and in sizes 6.5 to 20mm

T4067 VALENTINO KEY CLIPS

A light pressure clamp to use when seating Valentino pads

Valentino advantages are:

- (1) Significantly reduces repad time, After 2 or 3 repads you will increase you speed at least 30%
- (2) Tightest possible air seal
- (3) Absolute consistency, Pad faces are perfectly flat and diameters are exactly the same
- (4) Longer lasting, How long, no one knows, All retail instruments should be fitted with Valentino pads
- (5) Any shop, using Valentino pads, can charge more for a superior repad job even though time is reduced. We urge you not to "give away" this advantage
- (6) They can be interspersed with the bladder pads on play conditions

PAD SETS

CLARINET PAD SETS

ORIGINAL MANUFACTURER PAD SETS

ARTLEY

PS200 Soprano Clarinet Set – 17S & 18S

BUFFET

PS205 Soprano Clarinet Set – R-13

PS207 Soprano Clarinet Set – E-11

PS206 Eb Soprano Clarinet Set

BUNDY, BUESCHER or SELMER – USA

PS210 Soprano Clarinet Set

PS211 Alto Clarinet Set

PS212 Bass Clarinet Set

PS213 Contra-Bass Clarinet Set

LEBLANC

PS220 Soprano Clarinet Set – Leblanc

PS221 Soprano Clarinet Set – Noblet & Normandy

PS223 Soprano Clarinet Set – Vito – #4 Thickness

PS224 Alto Clarinet Set – Leblanc

PS225 Alto Clarinet Set – Vito

PS226 Bass Clarinet Set – Leblanc

PS227 Bass Clarinet Set – Vito #7166

PS228 Bass Clarinet Set – Vito #7168 – Leather

PS229 Contra-Alto Clarinet Set – Tan Kid

PS230 Contra-Bass Clarinet Set – Tan Kid

PS231 Eb Contra-Alto Clarinet – Leblanc – Paris

SELMER – PARIS

PS240 Soprano Clarinet Set – Leather

PS241 Alto Clarinet Set – Bladder

PS243 Contra-Bass Clarinet Set – Leather

YAMAHA

PS154 Soprano Clarinet Set – YCL-200AD

PS250 Soprano Clarinet Set – All Clarinets

PS251 Bass Clarinet Set – YCL-221 & 221II

BASSOON & OBOE PAD SETS

BUNDY – fits Selmer, Signet & Leshner USA

PS410 Oboe Set

PS411 Bassoon Set

FOX

PS450 Bassoon Set – before serial #17,000

PS451 Bassoon Set – after serial #17,000

LEBLANC

PS430 Noblet Oboe Set

PS431 Noblet Oboe Plateau Set

PS432 Leblanc 300 & 305 Oboe Set

FLUTE AND PICCOLO PAD SETS

ARMSTRONG

PS100 Flute Set – Closed Hole – C or B foot

PS106 Piccolo Set – Metal Body

PS107 Piccolo Set – Plastic & Wood Body

PS460 Piccolo Set – Plastic – Valentino Greenback

PS464 Piccolo Set – Metal – Valentino Greenback

ARTLEY

PS114-N Piccolo Set – Nogales

PS112-N Alto Flute Set

BUNDY or SELMER – USA

PS120 Flute Set – Closed Hole

PS121 Flute Set – Open Hole

PS122 Piccolo Set

GEMEINHARDT

PS130 Flute Set – Closed Hole – yellow

PS131 Flute Set – Open Hole – yellow

PS132 Alto Flute Set – yellow

PS133 Piccolo Set – yellow

PS463 Piccolo Set – Plastic – Valentino Greenbacks

PS461 Piccolo Set – Metal – Valentino Greenbacks

LEBLANC

PS140 Flute Set – Noblet – Closed hole

PS142 Flute Set – Vito – Closed Hole

PS143 Flute Set – Leblanc – Closed Hole

PS144 Flute Set – Leblanc – Open Hole

PEARL

PS260 Flute Set – Closed Hole

PS261 Flute Set – Open Hole

PS262 Alto Flute Set

YAMAHA

PS150 Flute Set – Closed Hole – YFL-225, 325 & 421

PS151 Flute Set – Open Hole – YFL-265, 285, 385 & 481

PS152 Piccolo Set – YPC-32, 35 & 62

PS462 Piccolo Set – Valentino Greenbacks

SAXOPHONE PAD SETS

BUNDY or SELMER – USA

PLASTIC RESONATORS

PS300 Alto Saxophone

PS301 Tenor Saxophone

PS302 Baritone Saxophone

CONN

PLASTIC RESONATORS

PS310 Alto Saxophone

PS312 Baritone Saxophone

VITO

PS320 Alto Saxophone – Vito 7131

PS322 Tenor Saxophone – Vito 7131T

PS323 Tenor Saxophone – Vito 7133T

PS324 Baritone Saxophone

SELMER – PARIS

PLASTIC RESONATORS

PS305 Alto Saxophone – Mark VI

S285 Alto Saxophone – Mark VII & SA 80

PS306 Tenor Saxophone – Mark VI

S297 Tenor Saxophone – Mark VII & SA 80

S311 Baritone Saxophone – All Baritones

METAL RESONATORS

S795 Alto Saxophone – Mark VII & SA 80

S796 Tenor Saxophone – Mark VII & SA 80

S797 Baritone Saxophone – All Baritones

YAMAHA

PS330 Alto Saxophone – YAS-23

PS331 Tenor Saxophone – YTS-23

PS332 Baritone Saxophone – Fits YBS-62 only

YANAGASAWA

PS321 Alto Saxophone

ROTOR VALVE STRINGING

1. Set the rotor valve lever in the correct position, tie a knot in one end of the string and feed it through the lever.
2. Run the string around the stop arm string screw.
3. Tighten the stop arm string screw. Holding the rotor valve lever so that it is kept in position.
4. Feed the string so that it passes under the other portion of the string, and thread it through the hole in the inside end of the lever. Turn the string clockwise around the string holding screw then tighten the screw.
5. Set the lever position so that its end is slightly higher than the stop arm. You may need to bend it slightly.

CONVERSION TABLE FOR USE IN MEASURING PADS

Chart below indicates comparative sizes between 32nd inches and equivalent millimeters

Size in 32nd In.	Size in MM	Size in 32nd In.	Size in MM	Size in 32nd In.	Size In MM
10/32"	8	37/32"	29.5	63/32"	50
11/32"	9	38/32"	30	64/32"	51
12/32"	9.5	39/32"	31	65/32"	51.5
13/32"	10	40/32"	32	66/32"	52.5
14/32"	11	41/32"	32.5	67/32"	53
15/32"	12	42/32"	33.5	68/32"	54
16/32"	12.5	43/32"	34	69/32"	55
17/32"	13.5	44/32"	35	70/32"	55.5
18/32"	14.5	45/32"	36	71/32"	56.5
19/32"	15	46/32"	36.5	72/32"	57
20/32"	16	47/32"	37.5	73/32"	58
21/32"	16.5	48/32"	38	74/32"	58.5
22/32"	17.5	49/32"	39	75/32"	59.5
23/32"	18.5	50/32"	40	76/32"	60.5
24/32"	19	51/32"	40.5	77/32"	61
25/32"	20	52/32"	41.5	78/32"	62
26/32"	20.5	53/32"	42	79/32"	62.5
27/32"	21.5	54/32"	43	80/32"	63.5
28/32"	22	55/32"	43.5	81/32"	64.5
29/32"	23	56/32"	44.5	82/32"	65
30/32"	24	57/32"	45	83/32"	66
31/32"	24.5	58/32"	46	84/32"	66.5
32/32"	25.5	59/32"	47	85/32"	67.5
33/32"	26	Available in 1/2 dozen quantities 		86/32"	68.5
34/32"	27			87/32"	69
35/32"	28			88/32"	70
36/32"	28.5				

PLEASE NOTE:

ALL SAXOPHONE PADS ARE SOLD IN THE 32ND SIZES SHOWN ABOVE
EXCEPT FOR 207PF AND 207PDS WHICH ARE SOLD BY MM SIZE.

Pads size 60/32 and larger can be ordered in 1/2 dozen quantity

ALLIED UNIVERSAL PARTS

UNIVERSAL CORNET & TRUMPET PARTS (Common to Both)

A103	3rd Slide Finger Ring – solder on
A113	3rd Slide Push Rod (Finger ring) – goes into lyre holder – 9/64" shank – for Conn & Others
A114	3rd Slide Push Rod (Finger Ring) – goes into lyre holder – 11/64" shank – for Olds & Bundy
A126	1st Slide Thumb Saddle – solders on
A111	1st Slide Thumb Saddle – Push Rod – use A315
A104	Slide Crook – for 1st, 2nd or 3rd slides
A105	Inside Slide Tube – .498" OD approx. 30"
A106	Outside Slide Tube – .500" ID, approx 30"
A110	Pull Knob – solders on, brass
A112	90° Connecting Knuckle – perfect for patching thin knuckles
A118	45° Connecting Knuckle
A107	Brace – 3 Piece – 2 sockets w/ a rod – Mouthpipe to Bell – uses A862 Rod
A108	Brace – Mouthpipe to Bell – "S" rigid
A101	Brace – Mpc. receiver to Bell – "S" rigid
A122	Brace – Mouthpipe to Valve Casing
A109	Brace – Slide Spacer – If too wide, you can squeeze it in a vise
A1658	3rd Slide Stop Rod "O" Ring – small
A1659	Rubber Slide "O" Ring Bumper – large

UNIVERSAL CORNET PARTS

A119	Finger Hook – Solders onto Mouthpipe
A123	Mouthpiece Receiver – fits most cornets
A124	Mouthpipe – Straight & Pitch Filled – 16 ½" long

UNIVERSAL TRUMPET PARTS

A102	Finger Hook – Solders on to Mouthpipe
A115	Mouthpiece Receiver – will fit most trumpets
A116	Mouthpipe Tube – trim to length
A116-S	Mouthpipe Tube – Silverplated
A117	Tuning Slide Crook – fits Conn & many others, small bore, .440" ID
A120	Tuning Slide Crook - .460" Bore
A122	Brace – Mouthpipe to Valve Casing
A1651	Brace – Bell to Valve Casing

FOR OTHER PARTS –
SEE LISTINGS FOR EACH MANUFACTURER
UNIVERSAL TROMBONE PARTS

UNIVERSAL TROMBONE PARTS

SLIDE PARTS

A131	Brace – Complete – Adjustable – Inside Handslide
A132	Brace – Complete – Adjustable – Outside Handslide
A133	Inside Slide Tube – Stocking .522" OD
A134	Outside Slide Tube – Brass – Matches A133
A135	Inside Slide Tube – Stocking .538" OD
A136	Outside Slide Tube – Brass – Matches A135
A137	Slide Lock Lug – solders onto outside tube
A138	Mouthpipe (Venturi) Tube – fits A133 – small bore
A141	Mouthpipe (Venturi) Tube – fits A135 – large bore
A139	Hand Slide Crook – only – Brass Fits many makes and models, this crook will fit if the slide braces are lengthened or shortened to accommodate the difference in width.
A140	Hand Slide Crook End Guard
A144	Rubber Bumper – for A140 End Guard – fits Getzen, Yamaha and other makes
A418	Cork Barrel Rubber "O" Rings – "Bumpers"

BELL PARTS

A127	Gooseneck – fits most models – 12" long
A130	Brace – Receiver to Bell – Complete – Adjustable
A129	Balancer – 2 piece, screw on type (3/8" hole)
A146	Trombone Bell – Large Bore Tenor – 8 ¾" dia.

FOR COMPLETE TROMBONE SLIDE CHART –
SEE PAGES 80 & 81

UNIVERSAL FRENCH HORN PARTS

(Single & Double)

A170	Mouthpipe – Brass – Single – Straight & Pitch Filled – will fit most single horns, 28" long
A173	Mouthpipe – Brass – Double – Straight & Pitch Filled – will fit most double horns, 28" long
A178	Mouthpipe – Nickel – Double – Straight & Pitch Filled – will fit most double horns – 28" long
A171	Mouthpiece Receiver – Brass, will fit any make
A176	Mouthpiece Receiver – Nickel & Brass, will fit on a double horn mouthpipe
A174	1st Branch – Brass – Straight & Pitch Filled – fits all models, 29" long
A198	Small Branch Tube – Brass – Straight & Pitch Filled – .460" ID x .498" OD x 29" long
A182	Brace – Bell to Branch – fits any make
A183	Brace – Mouthpiece Receiver to Branch – fits any make

A184	Brace – Slide Spacer – fits any make
A185	Bell Cap Molding – "Hand Guard" – Nickel
A186	Mouthpipe Cap Molding – "Hand Guard" – Nickel
A187	Thumb or Finger Hook – fits any make
A188	Valve Spring – fits Conn & other makes
A189	Valve Spring – fits Holton & other makes
A190	2nd Slide Pull Ring – solders on
A191	Cork Stop Plate – fits Conn & other makes
A192	Cork Stop Plate Screw – 3 x 48 threads – fits Conn & other makes
A193	Stop Arm Retaining Screw – 3 x 48 threads – hold stop arm onto rotor stem – for Conn & other makes
A194	Stop Arm String Screw – 3 x 48 threads – fits Conn & other makes
A195	Lever Key Hinge Rod – fits Conn & other makes
A197	Lever Key Hinge Rod Nut – fits Conn & other makes
A196	Lever Key String Screw – 3 x 48 threads – fits Conn & other makes
A175	1st Valve Slide Crook – Brass – Conn 6D
A104	2nd Valve Slide Crook – Brass – Conn 6D
A177	3rd Valve Slide Crook – F side – Brass – Conn 6D
A180	3rd Valve Slide Crook – Bb side – Brass – Conn 6D
A181	Main Tuning Slide Crook – Brass – Conn 6D
A179	French Horn String – Black, 50lb, 100 feet
A1018	French Horn String – Yellow, .1mm dia, 200 meters

UNIVERSAL BARITONE HORN PARTS

A150	Mouthpipe – Brass – Straight & Pitch Filled – will fit most makes, 10 ¾"
A151	Mouthpiece Receiver – small shank
A154	Mouthpiece Receiver – large shank NEW
A152	Thumb Ring
A153	Bell Screw & Flange – solders on, 8 x 32 thread
A155	Guard Wire – for Bottom Bow – 5/8"W x 12"L
A156	Guard Wire – for First Branch – ¼"W x 11"L
A157	Brace – Mouthpiece Receiver to Bell – fits most models
A158	Brace – 3 piece, 2 sockets w/ rod – Adjustable and can be used in many places, uses A842 rod
A159	Brace – Complete – Bell to 1st Branch
A160	Inside Slide Tube – 30", See "Tubing Chart"
A161	Outside Slide Tube – 30", See "Tubing Chart"
A162	Old Style Pan American Valve Stem

UNIVERSAL PISTON GUIDES

"T" Shaped – Nickel – 3 x 48 threads – file to fit the guide slot in the casing

- A310** Narrow (.100" wide) – for small valves
A311 Wide (.130" wide) – for large valves

UNIVERSAL SOUSAPHONE PARTS

- A210** Upper Mouthpipe – will fit Conn, Pan American, Continental, most Buescher & others
A211 Tuning Bits – for A210 – sold in pairs
A907 Mouthpipe Tube Only for A210
A212 Bell Screw – ¼ x 20 threads – will fit many makes
A213 Bell Screw Flange – solders on – accepts A212 Screw
A214 Guard Molding – Brass – 5/8"W x 36"Long
A220 Thumb Ring
A143 Brace Socket – round flange – use A846 rod

UNIVERSAL TUBA PARTS

- A222** Mouthpipe – Brass – Straight & Pitch Filled – use to make mouthpipes up to 14" long - .565" to .800" O.D. over 19" Long
A174 Mouthpipe – Brass – Straight & Pitch Filled – use to make mouthpipes over 14" long - .510" to .700" over 28" Long
A172 Mouthpipe – Brass – Straight & Pitch Filled – for Miraphone Tubas and other similar makes - .605" to .810" over 29" long
A221 Mouthpiece Receiver – for all the above
A143 Brace Socket – round flange – use A846 rod
A223 Couesnon Tuba Mouthpipe

UNIVERSAL FINGER BUTTONS

Brass with plastic pearl inlay



TRUMPETS & CORNETS

Part #	Thread size	Will Fit:
A320	8 x 32	Getzen, Conn, Olds
A320-S	8 x 32	Silverplated
A321	8 x 32	King & others
A321-S	8 x 32	Silverplated
A322	6 x 36	Holton
A322-S	6 x 36	Silverplated
A323	6 x 40	Pan American
A323-S	6 x 40	Silverplated

BARITONE

A324	8 x 32	King & others
A324-S	8 x 32	Silverplated
A325	6 x 36	Holton
A325-S	6 x 36	Silverplated
A326	6 x 40	Conn & Pan American
A326-S	6 x 40	Silverplated

SOUSAPHONE & TUBA

A327	8 x 32	King & others
A327-S	8 x 32	Silverplated
A329	6 x 36	Holton
A329-S	6 x 36	Silverplated
A330	6 x 40	Conn & Pan American
A330-S	6 x 40	Silverplated

FOR LYRE HOLDERS, VALVE SPRINGS,
 WATERKEYS, FELTS & CORKS –
 SEE SPECIAL SECTIONS FOR EACH

FOR OTHER PARTS –
 SEE LISTINGS UNDER EACH
 MANUFACTURER

PLASTIC FINGER PEARLS (round)

A562	13mm or 33/64"
A563	14.6mm or 37/64"
A564	15mm or 38/64"
A565	15.5mm or 39/64"
A566	17mm or 43/64"
A567	17.8mm or 45/64"

NEW

Frozen Clarinet Rods

As a last resort, when everything else fails, it is common to saw off the rod next to the post. This method also removed material from the key reducing its length. There is no need to saw the rod! The rod can be easily broken by firmly grasping the post with a large pair of pliers and twisting the post slightly from side to side. The rod will break off at the post. The key is not damaged.

Care must be taken not to break a chunk out of the body. This will not occur if the post is twisted back and forth only, do not bend the post while twisting. No doubt plier marks will disfigure the post somewhat. Place post in bench motor and touch with file and emery smooth prior to buffing.

ALLIED UNIVERSAL PARTS

UNIVERSAL WATERKEYS

COMPLETE ASSEMBLIES WHICH CONSIST OF:

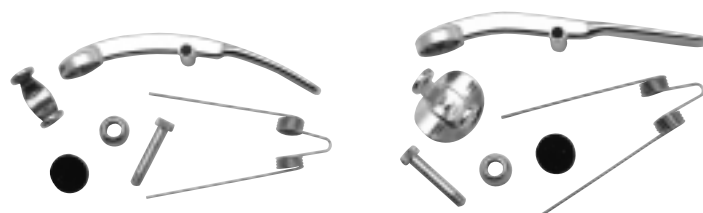
Waterkey, Saddle, Nipple, Spring, Screw and Cork



A340

A345

A341



A343

A344

Actual part may vary from what is pictured above.

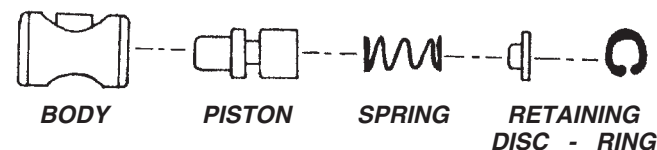
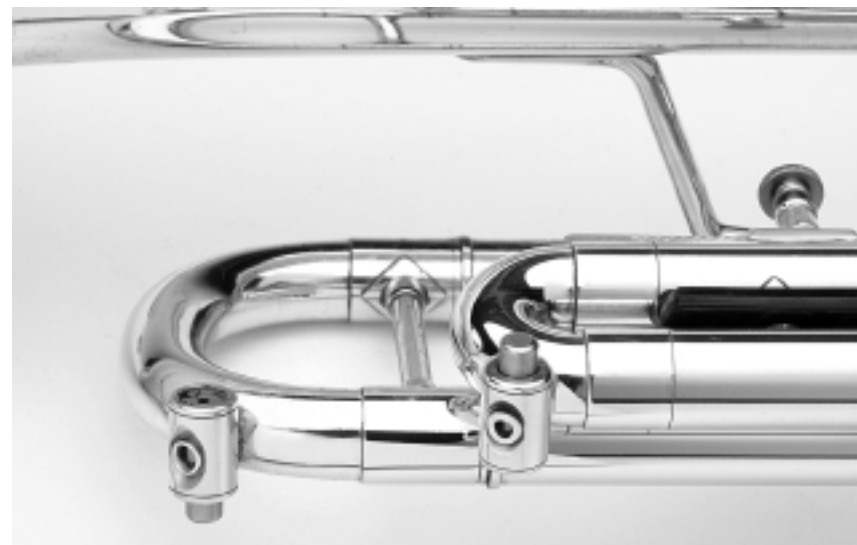
- A340 Cornet Mouthpipe or Trumpet Main Tuning Slide
- A345 Cornet or Trumpet 3rd Slide
- A341 Trombone
- A340 Baritone or Euphonium
- A343 Sousaphone or Tuba – 3rd slide
- A344 Sousaphone or Tuba – Main Tuning Slide
- A346 Nipples – Only – fits any waterkey

THE AMADO WATERKEY

ADVANTAGES:

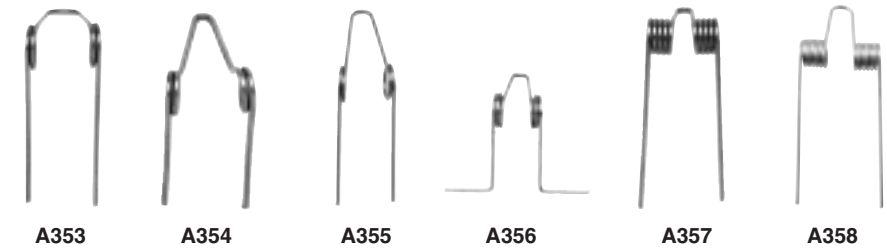
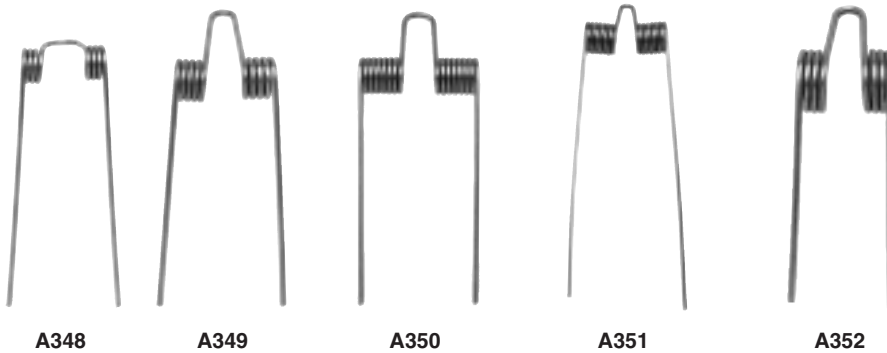
- Improved aesthetic appearance
- Greatly reduce (almost nil) air-flow disruption
- Improved tonal center
- Relaxed stainless steel coil spring
- No more broken springs or lost pivot screws
- Lighter in weight than most lever-type waterkeys
- Requires only 1/8" (3.2mm) movement to actuate
- A drop of valve oil is all the maintenance required
- With proper maintenance it should last the lifetime of the instrument
- Accepted by the most discriminating instrument manufacturers
- Low cost

- A920 Standard Assembly – Complete – Brass
 - A920-S Standard Assembly – Complete – Silverplate
 - A922 Retaining Disk – Standard Only – sold in dz's
 - A923 C-Clip (retaining ring) – Standard Only – sold in dz's
 - A924 Spring – Standard and Professional – sold in dz's
 - A925 Piston – Standard and Professional – sold singly
 - A926 Poly Cap – used only on the Professional model which is no longer made
- *Amado bodies are not available separately*



UNIVERSAL WATERKEY SPRINGS

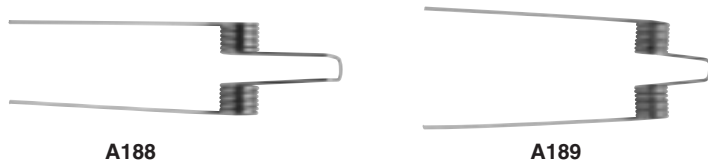
All are stainless steel except A357 which is phosphor bronze.



- A348** Trombone – will fit Conn
- A349** Trombone – will fit King
- A350** Trombone – will fit Olds, Bundy, Pan American & others
- A351** Trombone – will fit Getzen, Roth, Reynolds & others
- A352** Trombone – will fit Olds
- A358** Trombone – will fit Holton
- A353** Valve Instruments used outside of waterkey – Conn
- A354** Valve Instruments used inside of waterkey – Conn
- A355** Valve Instruments – will fit King & others
- A356** Valve Instruments – will fit Olds
- A359** Valve Instruments – will fit Holton
- A357** Valve Instruments – will fit Getzen & others
- A360** ASSORTMENT OF 100 OF THE SPRINGS ABOVE ACCORDING TO EXPERIENCED NEEDS



A359



A188

A189

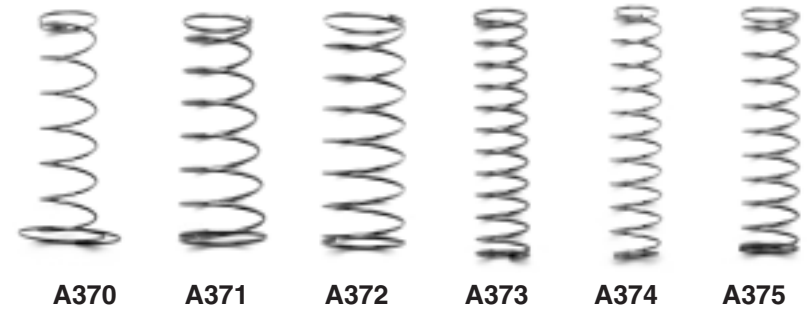
UNIVERSAL FRENCH HORN LEVER SPRINGS

(Made using stainless steel spring wire)

- A188** French Horn Lever Spring - Conn
- A189** French Horn Lever Spring - Holton

UNIVERSAL VALVE SPRINGS

(All Valve Springs are made from Phosphor Bronze Spring Wire)



A370

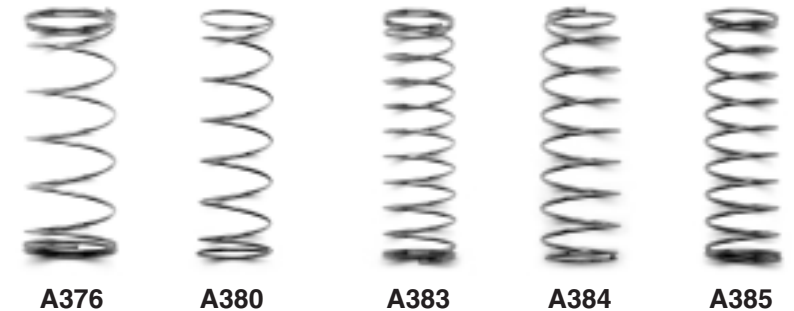
A371

A372

A373

A374

A375



A376

A380

A383

A384

A385

- A370** Cornet & Trumpet – Bottom Action
- A371** Cornet & Trumpet – Bottom or Top Action – will fit what the A370 does not
- A372** Cornet & Trumpet – Top Action – will fit Olds
- A373** Cornet & Trumpet – Top Action – will fit many makes
- A374** Cornet & Trumpet – Top Action – will fit King
- A375** Cornet & Trumpet – Top Action – will fit foreign makes
- A376** Cornet & Trumpet – Top Action – will fit King & Holton
- A380** Baritone/Euphonium – Bottom Action – will fit many makes
- A383** Sousaphone/Tuba – Bottom Action – will fit many makes
- A384** Sousaphone/Tuba – Bottom Action – will fit King
- A385** Sousaphone/Tuba – Bottom Action – will fit Besson only
- A388** ASSORTMENT OF 100 OF THE SPRINGS ABOVE ACCORDING TO EXPERIENCED NEEDS

Smoother Trombone Slide Action

Buff the inside tubes, particularly the stocking. Use lime buffing compound (A815) on nickel plated tubes and chrome buffing compound on chrome plated tubas. Most shops do not have chrome compound on hand. Nothing else works nearly as well. The inside of the outside tubes can be cleaned and restored to "like new" condition by using a Flex-hone. Either oil or a good grade of dish washing detergent must be used when running this tool at slow speed (300 to 500 rpms) in a lathe or variable speed drill. Buffing the inside tubes and cleaning the outside tubes should give you "lightning" fast action, if alignment and all dents have previously been corrected.

ALLIED UNIVERSAL PARTS

FIBERGLASS SOUSAPHONE REPAIR TOOLS

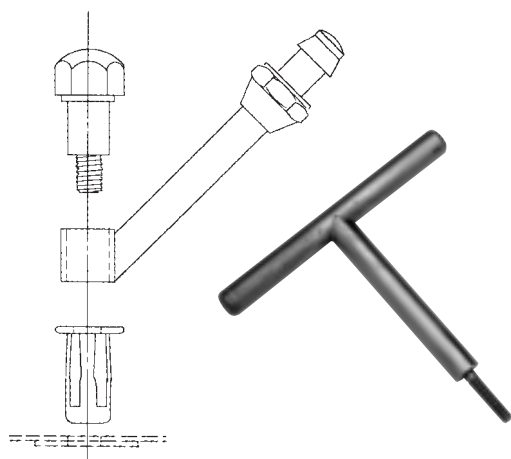
Fiberglass Sousaphone repair is difficult at best because it is time consuming and often difficult to get parts. Allied Music processes several hundred fiberglass sousaphones a year from play condition to complete overhaul and refinish.

The items listed below will make your job easier and more profitable.

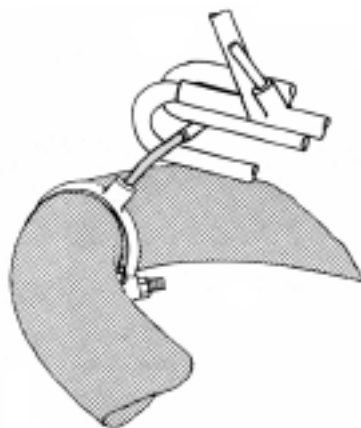
KING AND OLD STYLE OLDS AND REYNOLDS SOUSAPHONES

A common repair problem with these sousaphones is replacing broken body brace studs. These studs are mounted into the fiberglass and an easy repair was impossible until now.

Drill out the stud using a 3/8" drill and insert an A1627 molly. Draw the molly tight with the T1627 Molly Puller and re-assemble the brace replacing the screw with an A1626. The job is done quickly, is as solid as original and looks like new.



- A1627** Molly (10-24 thread)
- T1627** Molly Puller
- A1626** Acorn Screw for Olds (10 x 24)
- A1628** Acorn Screw for King "L" brace (10 x 24)
- 0-14282-8** Olds Detachable brace (as shown)



SOUSAPHONE BAND BRACE

Band Braces #1, #2, and #4 (as pictured above) have 20 ga. 3/4" wide stainless steel bands with steel T-bolts and locking nuts. The #3 band braces are similar in design to standard hose clamps but are completely made of stainless steel with a 5/8" wide band. The #3 band is three times stronger than an ordinary clamp and will withstand 150 in. lbs. of torque. Both styles have a flange brazed to them. A 5" brass rod and brace socket are supplied also. The socket w/flange supplied can be soldered to the valve section tubing and the rod cut or bent to shape to make an easy, solid repair.

- A1622 #1** 2-1/8" to 2-7/16" diameter
- A1623 #2** 2-5/8" to 2-15/16" diameter
- A1624 #3** 2-1/4" to 3-1/8" diameter
- A1625 #4** 3-1/8" to 3-7/16" diameter



APPLICATION LISTING

Olds and Reynolds Sousaphone (old style)

- #1 brace 2nd branch to 1st slide tube
- #2 brace 2nd branch to 3rd slide tube (small)
- #3 brace 2nd branch to 3rd slide tube (large)

Olds, DEG and Blessing Sousaphone (new style)

- #1 brace 3rd branch to 1st valve tube
- #1 brace 2nd branch to 3rd valve tube (small)
- #2 brace 2nd branch to 3rd valve tube (large)

Conn 20K Sousaphone

- #4 brace 2nd branch to 3rd slide tube

Other makes and models measure diameter and use sizes shown.

Mini Repair Tips

Patching Material

We receive requests to list both brass and nickel-silver thin sheet in our parts catalog to be used for patches. We use old brass and nickel-silver French horn bells for this purpose. It is free. Also most machine shops have brass shim stock on hand for shimming bearings.

Patching thin valve knuckles can be accomplished very easily using a new knuckle (our No. A112). Simply cut the new knuckle, preferably on a band saw or with metal snips lengthwise, leaving at least 60% of the outside radius as a patch. Trim to length. Snap the patch over the old knuckle solder. Because the patch covers 100% of the outside radius it is barely detectable.

Warped and Sunken Bell Rims

Warped bell rims can usually be straightened by placing the bell against a hard flat surface such as a bench top and hammer straight using a plastic or rawhide hammer. Kneel down and sight along level surface of bench to determine high points. Allow high point to extend over edge of bench and hammer rim straight when necessary.

Sunken rims can be raised by placing edge of metal dent hammer against rim, gripping and squeezing both hammer and bell flare in one hand and turning instrument with other hand. Raise rims as high as possible then reburnish bell flare. This may have to be repeated two or three times. A strong grip is necessary especially on instruments with heavy bells such as Olds Ambassador and most saxophones.

Buffing Equipment

Band instrument repair technicians as a group put forth more physical effort and lose more time buffing than in any other single area of band instrument repair. The main reason is their lack of knowledge of buff machines (polishing lathes).

Equipment commonly used and our comments are listed below:

1/4, 1/3, 1/2 H.P. motors with buffing spindle, 1800 RPM. This set-up is only satisfactory for occasionally buffing keys, flutes, or "spot buffing". 1800 RPM is too slow for efficient operation. Use at least a 8" diameter buff on 1/2 H.P. or larger motors to improve the buff surface speed.

1 H.P. or larger motor with buffing spindle – 3600 RPM. This equipment is good for nothing. It is too fast. The compound will not stay on the buff unless it is 5" or less in diameter. A buff this small traveling at 3600 RPM is extremely dangerous because it will "get caught" probably wrecking the instrument and the operator. Call the junkman. Get rid of it.

Belt driven equipment

The proper buff machine is belt driven, preferably with two or more V-belts. By adjusting either pulley size, the ideal speed of 2750 RPM can be obtained. Variable speed lathes are ideal because the spindle speed can be adjusted to the size of the buff. Faster speed as the buff wears down. Such equipment can be very expensive. You will need to do a lot of buffing to justify this cost.

BBB SOUSAPHONE MOUTHPIPES AND TUNING BITS

Sousaphone necks & bits are either Lacquered or Silverplated



A210
(O.D. .696")



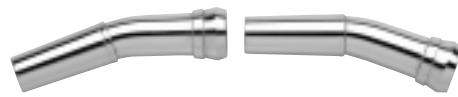
H242
(O.D. .641")



0-13248-0
(O.D. .636")



S150
(O.D. .668")



A211



H243



0-13064-1



S151



K191
(O.D. .654")
Before 1985



JP43-M002
(O.D. .667")



Y-J01 30520
(O.D. .688")



K190



JP43-M003



JP43-M007



Y-J01 30531



Y-J01 30540



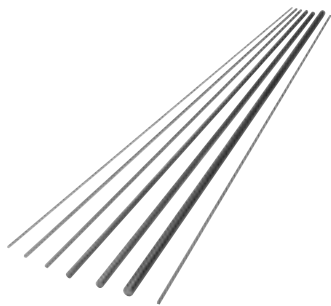
K102
(O.D. .654")
After 1985

A210 Conn (also fits most Eb)
A210-S Conn – Silverplated
A211 Conn Tuning Bits – pair
A211-S Conn Tuning Bits – Silverplated
H242 Holton
H242-S Holton – Silverplated
H243 Holton Tuning Bits – pair
K102 King – New Style after 1985

K102-S King – New Style – Silverplated
K191 King & Cleveland before serial #999999
K191-S King & Cleveland – Silverplated
K190 King Tuning Bits – pair
K190-S King Tuning Bits – pair
JP43-M002 Jupiter
JP43-M002-S Jupiter – Silverplated
JP43-M003 Jupiter Tuning Bit – each

JP43-M003-S Jupiter Tuning Bit – each – Silverplate
JP43-M007 Jupiter Tuning Bit – each
JP43-M007-S Jupiter Tuning Bit – each – Silverplate
0-13248-0 Olds & Reynolds – Fullerton, CA
0-13248-0-S Olds & Reynolds – Silverplate
0-13064-1 Olds & Reynolds Tuning Bits – pair
0-13064-1 Olds & Reynolds Tuning Bits – Silverplate
S150 Bundy & Signet
S151 Bundy & Signet Tuning Bits – pair
Y-J01 30520 Yamaha
Y-J03 30520 Yamaha – Silverplate
Y-J01 30531 Yamaha Tuning Bit – 20° – each
Y-J03 30531 Yamaha Tuning Bit – 20° – Silverplate – each
Y-J01 30540 Yamaha Tuning Bit – 45° – each
Y-J03 30540 Yamaha Tuning Bit – 45° – Silverplate – each

NOTE: For obsolete makes such as Martin, York, Old Buescher and all Eb Sousaphones, we suggest adapting a C-62036-9 Female Receiver to the lower mouthpipe tube and then using the A210 Mouthpipe and A211 Tuning Bits.



SOLID BRASS ROD – 3 FOOT (.91M) LENGTH

Size			Part No.
Fraction	.001	Metric	
1/8"	0.125	3.16	A845
5/32"	0.156	4.00	A862
3/16"	0.187	4.75	A846
7/32"	0.218	5.50	A842
1/4"	0.250	6.25	A847
5/16"	0.312	8.00	A848
3/8"	0.375	9.50	A849
7/16"	0.437	11.00	A860
1/2"	0.500	12.50	A861
3/16" square	0.187	4.75	A863
9/64" square	0.140	3.57	A864

SOLID NICKEL HINGE TUBE AND ROD

For those of you that need to make a key that is no longer available.

Sold in 18" (.45mm) Lengths

A1020 – Rod	1/8"	3.16mm
A1021 – Rod	5/32"	4.0mm
A1022 – Rod	3/16"	4.75mm
A1023 – Tube	.109" ID	.187" OD

Use A227 Hinge Rod with A1023 Tube

ABS BLACK ROD

For our customers that prefer to use ABS rather than Delrin.

Use 2 Part Epoxy - (A850).

1 FOOT LENGTHS (.35m)

A944	1/4"	6.25mm
A940	1/2"	12.5mm
A941	3/4"	19.05mm
A942	1-1/2"	38.1mm
A943	2"	50.8mm

BLACK HARD DELRIN ROD

For tenon and tone hole replacement.

Use 2 Part Epoxy - (A850).

1 FOOT LENGTHS (.35m)

A865	1/2"	12.5mm
A866	3/4"	19.05mm
A867	1-3/8"	34.9mm
A868	2"	50.8mm

SHEET PATCHING STOCK

Nickel and Brass Sheets
for patching cracks or holes in instruments.

Part #	Material	Thickness	Size
A1025	Brass	.022/.58mm	6" x 12"
A1026	Brass	.022/.58mm	12" x 12"
A1027	Nickel	.018/.58mm	6" x 12"

Slide Tube Tolerances

Many repair technicians try to fit trombone handslide tubes too tightly. There are two important dimensions to take into consideration when dealing with hand slide tubes versus tuning slide tubes.

The difference between the O.D. of the inside slide tube and the I.D. of the outside slide tube on the handslide needs to be between .012" and .014". Any tighter than this and the handslide will not move freely.

On the other hand, the tuning slide tubes of brass instruments can only have a difference of .001" to .002" between the O.D. of the inside slide tube and the I.D. of the outside slide tube. Any more than this and the slide may leak air.

DRILL ROD

Order (2) and we'll send (1) 36" length. (.91m)

Normally 18" LENGTH (.45m)

Size		Part No.
mm	Inches	
1.58	.0625	A1030
1.9	.075	A1031
2.0	.079	A224
2.15	.085	A1032
2.33	.092	A1033
2.41	.095	A225
2.51	.099	A1034
2.56	.101	A1035
2.69	.106	A226
2.74	.108	A227
2.8	.110	A1036
2.84	.112	A228
2.92	.115	A229
3.0	.1185	A1038 <i>NEW</i>
3.04	.120	A1037

Removing Trombone Slide Dents

Far too many technicians continue to remove tubing dents using a dent hammer rather than a roller such as Allied #T1399. The roller method is much faster and does not distort the tubing.

Select a straight steel rod as near the bore as possible. Make sure it is smooth with no nicks or vise marks. Clamp in a vise and insert into a slide tube. Roll the tubing using maximum downward pressure with the roller. It is difficult to apply maximum pressure for the entire length of a trombone slide, so roll half the length at a time.

Some material rolls better than others. If you must hammer out some dents, finish up by rolling to smooth the surface. When tapping up a dent, hammer in the center of the dent using the rounded end of the dent hammer. Stop tapping as soon as the dent raises. When a tube is tapped excessively the tube will distort leaving an ugly bump.

Roll the dents out of any and all straight tubing including bell stems. Rolling saves a lot of time and does a much better job.

MATCHED TUNING SLIDE TUBES

Many times crooks are available but not the inner and outer tubes. These Tubes are our most requested sizes. Most shops keep a few pieces for the instruments common in their area. If the exact tubing size is not available we suggest changing both inner & outer tubes to a size that is close. All sizes are +/- .001". B= Brass N=Nickel

All tubes are 30" to 36" in length except 0-13173-0 (13-1/2"), R217, R218 & R219 which are 1/2m.
Large tubes may be shorter than 30" (over .600")

Inside Tube Part #	I.D.	O.D.	Material	Outside Tube Part #	I.D.	O.D.	Material
K390	.450	.480	B	K391 C-60332	.481 .481	.513 .522	B N
0-04280-4	.458	.498	B				
B300 B337	.459 .462	.507 .507	B B	B301 B302	.509 .509	.545 .545	B N
K287 K286	.458 .462	.487 .487	B B	K288 K288	.488 .488	.520 .520	B B
S650 H403 G-10139-0	.459 .459 .460	.490 .504 .498	N B N	S649 H135 G-10058-0	.492 .505 .500	.541 .544 .545	B N B
A105	.460	.498	B	A106 0-08510-0	.500 .500	.538 .538	B N
G-10138-0	.464	.506	N	G-10060-0	.507	.548	N
C-60320 C-60318	.467 .468	.498 .498	N B	C-60340 C-60340	.500 .500	.530 .530	N N
H761 H124 C-60339	.468 .468 .500	.493 .504 .532	B B B	H762 H135 C-60424	.495 .505 .535	.530 .544 .572	B N N
H179	.560	.601	B	H180	.602	.641	B
K632	.562	.593	B	K633	.594	.630	B
A160	.565	.625	B	A161	.628	.670	B
H763	.568	.607	B	H764	.608	.644	B
K638 C-60364 C-60379	.594 .562 .622	.624 .603 .656	B B B	K639 C-60375 C-60387	.625 .604 .657	.656 .645 .696	B N B
K636 C-60394	.687 .687	.718 .749	B B	K637 C-60404	.720 .750	.760 .784	B B
H802 H765	.687 .708	.730 .749	B B	H805 H766	.732 .750	.779 .784	B B
K215	.724	.754	B	K216	.756	.794	B
0-13175-0	.682	.723	B	0-13173-0	.725	.777	B
C-60402	.734	.783	B	C-60411	.784	.823	B
K217	.750	.795	B	K218	.796	.837	B
R217 R219	.775 .775	.796 .796	B N	R218	.798	.834	N

13.5" Long

13.5" Long

1/2 meter

1/2 meter

TROMBONE HAND SLIDE TUBING CHART

Use this chart when a slide tube for a particular trombone is obsolete or unavailable. If the exact size is not listed, choose the nearest diameter and replace both the inside and outside slide tubes. All inside slide tubes are chromeplated. Remember when measuring the inside bore of the mouthpiece side (SS), when on the instrument, to measure the stocking end unless the Venturi has been removed.

This chart may also be useful in helping determine what model trombone you may have. **All measurements are +/- .001".**

TENOR

Inside Slide Tube Part #	Length (approx.)	I.D. (Bore)	O.D. of Stocking	Matching Outer Slide Part #	Material of Outer Tube	Length (approx.)	Primary Usage	*
K436 K437	27-1/2" 28-1/4"	.480 .489	.519 .519	K132 K132	Nickel Nickel	28-1/4" 28-1/4"	King models: 2102, 2102-G(2B), 2102L, 2102LG King models: 2102, 2102-G(2B), 2102L, 2102LG	SS LS
A133	30"	.485	.522	A134 0-01181-7	Brass Nickelplate	29-1/2" 29-3/4"	Olds models: A-15, L-15, T-15 Conn models: 14H, 17H, King model 605 Reynolds model: TO-58 Olds model: S-15	SS SS & LS SS SS
BM130	28-1/4"	.500	.528	BM132	Brass	26-7/8"	Blessing model: B128	SS & LS
K654	28-1/4"	.500	.529	K655	Brass	28-1/4"	King models: 2115, 2115G	SS & LS
C-83082-8	29"	.500	.529	C-83055-4	Brass	27-5/8"	Conn models: 16H, 18H	SS & LS
G-07000-0 G-07004-0	27-9/16" 29-1/4"	.500 .500	.530 .530	G-07101-0 G-07101-0	Nickel Nickel	27-1/8" 27-1/8"	Getzen 351, 451 Getzen 351, 451	SS LS
G-07017-0 G-07018-0	27-5/8" 29-3/8"	.508 .508	.530 .530	G-07119-0 G-07119-0	Brass Brass	26-1/2" 26-1/2"	Getzen 1050 Getzen 1050	SS LS
H127	28-1/8"	.500	.530	H125	Brass	26-3/4"	Holton models: TR602, STR602, 511, 512, 513	SS & LS
C-84087-6	29-3/8"	.500	.530	C-84296-3	Brass	27-5/8"	Conn models: 100H, 24H (SS)	SS & LS
C-06914-6	28-7/8"	.501	.530	C-83055-4 C-47755-4 0-11231-8	Brass Brass Brass	27-5/8" 27-1/2" 30-1/2"	Conn model: 77H Conn models: 6H, 48H Olds model: A-20	SS & LS SS & LS SS
Y-D01 42122 Y-D01 42112	27-1/4" 28-1/4"	.500 .500	.532 .532	Y-D01 42104 Y-D01 42104	Brass Brass	26" 26"	Yamaha models: YSL-352, YSL-354 Yamaha models: YSL-352, YSL-354	SS LS
Y-D04 42122 Y-D04 42110	27" 27-3/4"	.500 .500	.534 .534	Y-D04 42100 Y-D04 42160	Brass Brass	26-5/8" 26-5/8"	Yamaha models: YSL-356, YSL-356G Yamaha models: YSL-356, YSL-356G	SS LS
S170	28-1/4"	.500	.534	S171	Brass	26-3/4"	Bundy model: 1523 & Bach model: TB300	SS & LS
JP21-S103 JP21-S104	26-3/4" 28"	.500 .500	.535 .535	JP21-S206 JP21-S206	Nickel Nickel	26-1/2" 26-1/2"	Jupiter model: 432L Jupiter model: 432L	SS LS
A135	31"	.500	.538	A136	Brass	29-1/4"	Olds models: A-15, L-15, T-15 Reynolds model: TO-58 Olds model: S-15	LS LS LS
K431 K131	26-3/4" 27-3/4"	.500 .500	.540 .540	K158 K158	Nickel Nickel	26-7/8" 26-7/8"	King model: 1506 King model: 1506, 606 (Tempo)	SS LS
K464 K472	27-1/4" 28-1/4"	.509 .509	.540 .540	K477 K477	Nickel Nickel	28-1/4" 28-1/4"	King models: 2103 (3B), 2103F (3B W/F) King models: 2103 (3B), 2103F (3B W/F)	SS LS

* "SS" means short side, upper tube, and/or mouthpiece side. "LS" means long side, lower tube, and/or bell side.

TROMBONE HAND SLIDE TUBING CHART

Use this chart when a slide tube for a particular trombone is obsolete or unavailable. If the exact size is not listed, choose the nearest diameter and replace both the inside and outside slide tubes. All inside slide tubes are chromeplated. Remember when measuring the inside bore of the mouthpiece side (SS), when on the instrument, to measure the stocking end unless the Venturi has been removed.

This chart may also be useful in helping determine what model trombone you may have. **All measurements are +/- .001".**

Inside Slide Tube Part #	Length (approx.)	I.D. (Bore)	O.D. of Stocking	Matching Outer Slide Part #	Material of Outer Tube	Length (approx.)	Primary Usage	*	
0-11220-1	27-3/4"	.500	.546	---	---	---	Olds models: A20 W/F, V-20, O-20, R-15, Conn 24H	LS	Medium Large Bore Tenor
K607 K608	27-1/4" 28-1/4"	.526 .526	.554 .554	K609 K609 C-08163-8	Nickel Nickel Brass	26-3/4" 26-3/4" 27-7/8"	King models: 607F, 2125, 2125F King models: 607F, 2125, 2125F Conn model: 78H	SS LS SS & LS	
C-65962-3	28-3/4"	.525	.554	C-65961-5	Brass	27-3/8"	Conn model: 50H	SS & LS	
JP21-S112 JP21-S111	26-3/8" 28-7/8"	.525 .525	.555 .555	JP21-S208 JP21-S208	Nickel Nickel	26-5/8" 26-5/8"	Jupiter models: 532L & 536L Jupiter models: 532L & 536L	SS LS	
G-07010-0 G-07011-0	27-1/4" 29-1/2"	.525 .525	.555 .555	G-07110-0 G-07110-0	Brass Brass	26" 26"	Getzen 525, 725, 1025, 1036 Getzen 1025, 1036	SS LS	
B200	29-3/4"	.530	.555	B201	Brass	26-3/4"	Bach model: 36	SS & LS	Medium Large Bore Tenor
B674	28"	.525	.555	B675	Brass	27-3/4"	Bach model: TB200 (Omega)	SS & LS	
B334	29-5/8"	.525	.555	B201	Brass	26-3/4"	Bach model: Mercedes 836	SS & LS	
H521	28"	.540	.574	H534 H535	Brass Nickel	27-1/4" 27-1/4"	Holton model: TR680 Holton model: TR150	SS & LS SS & LS	
B210	29-5/8"	.545	.578	B211	Brass	26-3/4"	Bach models: 42 & 42B	SS & LS	
K538 K539	26-1/2" 27-5/8"	.550 .550	.579 .579	K540 K540	Nickel Nickel	26-1/2" 26-1/2"	King models: 2104 (4B), 2104F (4B W/F), 2105F (5B) King models: 2104 (4B), 2104F (4B W/F), 2105F (5B)	SS LS	Large Bore Tenor
C-06975-7	29-5/8"	.545	.580	C-08083-8	Brass	26"	Conn model: 8H & 88H	SS & LS	
JP21-S110 JP21-S109	26-3/8" 29-1/4"	.550 .550	.580 .580	JP21-S207 JP21-S207	Nickel Nickel	26-5/8" 26-5/8"	Jupiter models: 636L & 536RL Jupiter models: 636L & 536RL	SS LS	
K516	27-5/8"	.550	.580	K517	Nickel	26-5/8"	King model: 1480	SS & LS	
G-07012-0 G-07013-0	26-5/8" 29-1/2"	.547 .547	.580 .580	G-07111-0 G-07111-0	Brass Brass	26" 26"	Getzen 747, 1047 Getzen 525, 725, 747, 1047,	SS LS	
B220	30"	.560	.592	B221	Brass	26-3/4"	Bach models: 50 & 50B	SS & LS	Bass
G-07014-0 G-07016-0	26-5/8" 29-1/2"	.562 .578	.594 .607	G-07112-0 G-07113-0	Brass Brass	26" 26"	Getzen 1052FD, 1062FD Getzen 1062FD	SS LS	
Y-D09 42111	29-1/4"	.564	.595	Y-D09 42101 Y-D09 42103	Brass Brass	27" 27"	Yamaha models: YBL-321, YBL-322 Yamaha model: YBL-421G	SS & LS SS & LS	
K852 K853	27-1/2" 27-1/2"	.560 .560	.595 .595	K865 K865	Nickel Nickel	27-1/2" 27-1/2"	King models: 2106 (6B), 2107 (7B), 2108 (8B) King models: 2106 (6B), 2107 (7B), 2108 (8B)	SS LS	
C-08526-6	30-7/8"	.563	.596	C-08520-9	Brass	27-3/8"	Conn model: 72H, 71H	SS & LS	

* "SS" means short side, upper tube, and/or mouthpiece side. "LS" means long side, lower tube, and/or bell side.

ALLIED UNIVERSAL PARTS

UNIVERSAL CLARINET PARTS



A252 A253 A254

- A252** Thumb Rest – Yamaha, Vito, Evette style
- A253** Thumb Rest – Conn “Tear drop” style
- A254** Thumb Rest – Bundy style
- A428** Thumb Rest Pad – adhesive back – sold in Dz’s
- A270** Thumb Rest Screw (use #52 drill to install)
- A275** Thumb Rest Screw – Oversize (use #49 drill to install)
- A255** Flat Spring Screw – 0 x 80 threads
- A256** Post Locking Screw
- A270** Strap Ring Screw
- A257** Low F/C Crow’s Foot – silver solder on
- A263** Spring Hook
- A318** Lyre Holder – screws on, Alto & Bass Clarinet
- A1785** 66mm Grenadilla Barrel

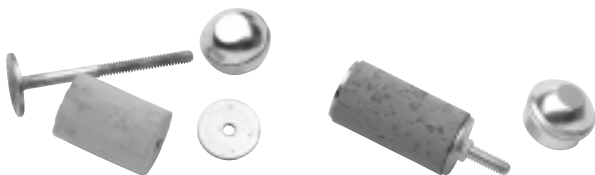
FOR LIGATURE SCREWS – SEE SPECIAL SECTION

PINNING WIRE

(Sold in 1 foot (.35m) length)

- A267** Pinning Wire for Oboes – 2 x 56 threads, use #50 drill
- A269** Pinning Wire for Clarinets – 4 x 40 threads, use #39 drill

UNIVERSAL FLUTE PARTS



- A280-S** Head Crown – Silver plated – fits: Old Artley, Bundy & Selmer – 6 x 32 threads
- A280-N** Head Crown – Nickel plated – same as above
- A282-S** Head Crown – Silver plated – fits: Armstrong, Current Artley, Gemeinhardt, & others – 8 x 32 threads
- A282-N** Head Crown – Nickel plated – same as above
- A283** Head Crown Assembly – complete with crown, carrier & cork – specify silver or nickel plate – 8 x 32 threads
- A285** Pad Screw – 1 x 64 threads – sold in Dz’s
- A286** Pad Washer – metal – sold in Dz’s
- A287** Spring Hook – unplated – sold in Dz’s
- A279** Thumb Lever Spring – sold in Dz’s
- A289** Pad Shims – .004”/0.1mm – Specify 16, 17, 18 or 19mm
- A290** Pad Shims – .008”/0.2mm – Specify 16, 17, 18 or 19mm

UNIVERSAL SAXOPHONE PARTS

- A240** End Plug – Plastic – Alto & Baritone
- A241** End Plug – Plastic – Tenor
- A230** Bow Guard – Formed – Alto – 3/4" wide
- A231** Bow Guard – Formed – Tenor – 5/8" wide
- A235** Bow Guard – Formed – Baritone – 5/8" wide
- A255** Flat Spring Screw – 0 x 80 threads, sold in Dz’s
- A238** Strap Ring – solders on
- A239** Thumb Hook – Right hand – solders on
- A237** Thumb Rest – Left hand – solders on
- A236** Bell Brace – Alto or Tenor
- A233** Flat Spring Cradle – solders on
- A234** Spring Hook – solders on
- A244** Octave Key Guide – solders on
- A568** Octave Key Post w/ Plate – Alto – not drilled or tapped
- A569** Octave Key Post w/ Plate – Tenor – not drilled or tapped
- A243** Sax Mouthpipe Support – solders on in the curve of the neck

ROLLERS

Black Plastic

- A232** Straight – 7/32" dia. x ¾" long
- A1780** Oval Shape – 1 1/8" (33.5mm) long

Simulated Pearl (white)

- A1781** Straight – 7/32" dia. x ¾" long
- A1782** Straight – 7/32" dia. x 1 ¼" long
- A1783** 7/32" dia x 1ft long Rod
- A1784** 15/64" dia x 1ft long Rod
- A245** Ivory Roller Assortment (17 pieces)

FINGER PEARLS (real mother-of-pearl)

- A550** Concave – 9.1mm
- A551** Concave – 10.8mm
- A552** Concave – 13.7mm
- A553** Concave – 14.8mm
- A560** Concave – 15.6mm
- A554** Convex – 13.2mm
- A555** Convex – 15.3mm
- A556** Convex – 16.5mm

Plastic Pearls - See Universal Brass Finger Buttons

KEY GUARDS

- A1694** Side F# Guard – 3 point, solder on
- A1697** Eb or C Guard – Alto
- A1698** B/Bb Guard – covers 2 keys – Alto

UNIVERSAL BASSOON PARTS

- A300** Joint Lock Assembly – See Tech Tip page 195
- A319** Joint Lock Rod – only
- A301** Bell Ring – 2.25" ID
- A302** Hand Crutch Assembly – crutch, base & screws
- A303** Seat Strap Ring with Strap
- A306** #1 Bocal – Short
- A304** #2 Bocal – Medium
- A305** #3 Bocal – Long
- A307** Flat Spring – Double Screw
- A309** Bell Key Guide
- A390** Strap Ring – threaded
- A391** Pancake Key Guard
- A392** G Guard
- A393** G# Guard
- A395** D Guard
- A397** Bb Guard



GRAB BAG

An Extraordinary offer of stuff! Ideal for the shop that has a limited number of parts or junk instruments. Most of these parts you will never use but the ones you do use will save you 5 to 10 times the entire purchase price. If you are not completely satisfied you may return for full credit within 30 days of the invoice date. Limited quantities and availability, all depends upon what good junk we find to put in these grab bags.

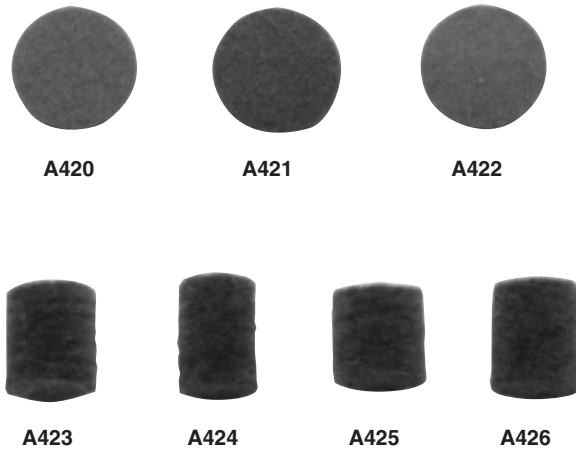
Call for availability

- A2001** Brass Grab Bag
- A2003** Sax Post Grab Bag
- A2006** Sax Key Guard Feet Grab Bag
- A2008** Sax/Clarinet Key Grab Bag
- A2007** Nickel Hinge Tube Grab Bag – different lengths of .099" ID x .140" OD

POLYSTYRENE and SHRINK TUBING

Part	Type & Size
A582	Teflon Octave Key Tube – 1/8" ID x 1 foot long
A579	Poly Tube – 7/64" ID x 1 foot long
A570	Poly Tube – 1/8" ID x 1 foot long
A572	Poly Tube – ¼" ID x 1 foot long
A573	Shrink Tube – 1/8" ID x 2 feet long
A574	Shrink Tube – 1/4" ID x 2 feet long
A575	Shrink Tube – 3/8" ID x 2 feet long
A576	Shrink Tube – 1/2" ID x 2 feet long
A577	Shrink Tube – 3/4" ID x 2 feet long
A578	Shrink Tube – 1" ID x 2 feet long

UNIVERSAL SAXOPHONE FELTS

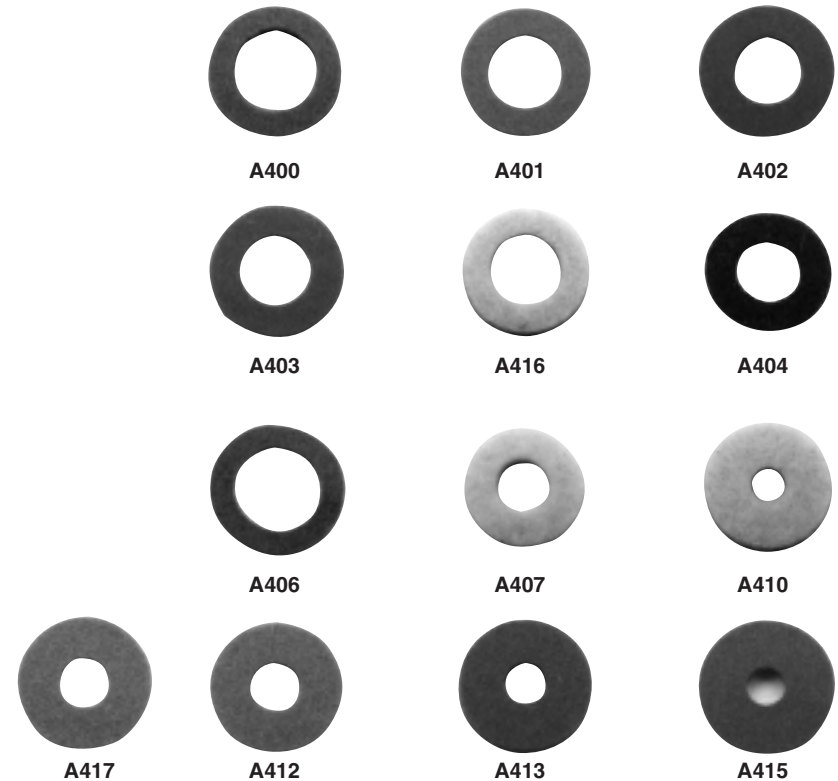


NOW AVAILABLE IN RED, GREEN, OR WHITE

Sold in Bags of 100 Only

Part #	Description	O.D.	Thick	Color
A1053	Felt Disk	1/2"	1/16"	White
A420-R	Felt Disk	9/16"	1/16"	Red
A420-G	Felt Disk	9/16"	1/16"	Green
A421-R	Felt Disk	5/8"	1/16"	Red
A421-G	Felt Disk	5/8"	1/16"	Green
A1054	Felt Disk	5/8"	1/16"	White
A422-R	Felt Disk	11/16"	1/16"	Red
A422-G	Felt Disk	11/16"	1/16"	Green
A423-R	Felt Bumper	5/16"	1/4"	Red
A423-G	Felt Bumper	5/16"	1/4"	Green
A1052	Felt Bumper	5/16"	3/8"	White
A424-R	Felt Bumper	5/16"	3/8"	Red
A424-G	Felt Bumper	5/16"	3/8"	Green
A425-R	Felt Bumper	3/8"	1/4"	Red
A425-G	Felt Bumper	3/8"	1/4"	Green
A1050	Felt Bumper	3/8"	1/4"	White
A426-R	Felt Bumper	3/8"	3/8"	Red
A426-G	Felt Bumper	3/8"	3/8"	Green
A1051	Felt Bumper	3/8"	3/8"	White
A427-R	Assortment of 100 each of Above			Red
A427-G	Assortment of 100 each of Above			Green

VALVE INSTRUMENT FELT WASHERS

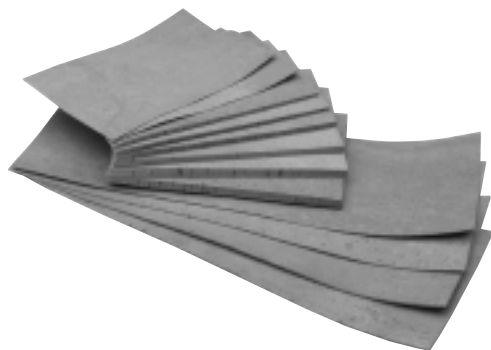


Sold in Bags of 100 Only

- A400** Cornet & Trumpet - Top Cap Felts - will fit Holton, Bundy, Leblanc & others - Green 11/16" O.D. x 7/16" I.D. x 3/32" thick
- A401** Cornet & Trumpet - Top Cap Felts - will fit Olds & others - Green 11/16" O.D. x 13/32" I.D. x .080" thick
- A402** Cornet & Trumpet - Top Cap Felts - will fit Conn, King, Yamaha - Red 23/32" O.D. x 3/8" I.D. x .093" thick
- A403** Cornet & Trumpet - Top Cap Felts - will fit Getzen - Red 11/16" O.D. x 3/8" I.D. x 1/16" thick
- A416** Cornet & Trumpet - Top Cap Felts - will fit Leblanc & Selmer Professional Models - White 19/32" O.D. x 23/64" I.D. x 3/32" thick
- A404** Baritone Horn - Top Cap Felts - will fit Holton & others - Black 3/4" O.D. x 13/32" I.D. x 1/8" thick
- A406** Sousaphone - Top Cap Felts - will fit King - Green 7/8" O.D. x 9/16" I.D. x 1/16" thick
- A407** Sousaphone - Top Cap Felts - will fit Holton - Green 13/16" O.D. x 3/8" I.D. x .080" thick
- A417** Cornet & Trumpet - Valve Stem & Finger Button Felts - Green 9/16" O.D. x 5/32" I.D. x 1/32" thick
- A410** Cornet & Trumpet - Valve Stem & Finger Button Felts - will fit many makes - White 9/16" O.D. x 5/32" I.D. x 3/32" thick
- A412** Cornet & Trumpet - Valve Stem & Finger Button Felts - will fit all other makes - Green 17/32" O.D. x 3/16" I.D. x 1/16" thick
- A413** Baritone Horn - Valve Stem & Finger Button Felts - will fit all makes - Red 9/16" O.D. x 11/64" I.D. x 3/32" thick
- A415** Sousaphone - Valve Stem & Finger Button Felts - will fit all makes - Red 11/16" O.D. x 3/16" I.D. x 3/32" thick
- A414** ASSORTMENT 100 EACH OF THE ABOVE

ALLIED UNIVERSAL PARTS

UNIVERSAL CORK AND FELT SHEETS



SHEET CORK – AAA/AAAA QUALITY

This is the finest cork available, anywhere!

Sold in 4" x 12" (approx. 100mm x 300mm) sheets

A450	1/64"	(0.4mm)	] Sold in 4" x 6" (100mm x 150mm) Sheets
A451	1/32"	(0.8mm)	
A457	3/64"	(1.2mm) – Clarinet tenons, key feet	
A452	1/16"	(1.6mm) – Woodwind Tenons & Sax Necks	
A453	3/32"	(2.4mm)	
A454	1/8"	(3.0mm)	
A456	3/16"	(5.0mm)	]
A455	1/4"	(6.4mm)	

ARCO CORK

A synthetic cork product that looks and almost feels like real cork. We discovered this product a number of years ago when natural cork was in short supply. Arco Cork glues and cuts just like natural cork and gives a "firm feel" to the keys that you use it on.

Sold in 100mm x 300mm (approx. 4" x 12") Sheets

A590	0.2mm	
A591	0.4mm	(1/64")
A592	0.8mm	(1/32")
A593	1.2mm	(3/64")
A594	1.5mm	(1/16")
A595	2.5mm	(3/32")
A596	3.0mm	(1/8")
A597	4.5mm	(3/16")
A598	6.0mm	(1/4")

HI-TECH FELT

This is a very dense felt sheet that easily glues to key feet.

Sold in 100mm x 300mm (approx. 4" x 12") sheets

NO ADHESIVE BACK:

Part #	Color	Thickness
A720	White	0.5mm (1/64")
A721	White	0.9mm (1/32")
A722	White	1.2mm (3/64")
A723	White	1.5mm (1/16")
A724	White	1.9mm (5/64")
A725	Cork-brown	0.5mm (1/64")
A726	Cork-brown	0.9mm (1/32")
A727	Cork-brown	1.2mm (3/64")
A728	Cork-brown	1.5mm (1/16")
A729	Charcoal	0.5mm (1/64")
A730	Charcoal	0.9mm (1/32")
A731	Charcoal	1.2mm (3/64")
A732	Charcoal	1.5mm (1/16")

WITH ADHESIVE BACK:

Part #	Color	Thickness
A734	White	0.5mm (1/64")
A735	White	0.9mm (1/32")
A736	Cork-brown	0.5mm (1/64")
A737	Cork-brown	0.9mm (1/32")
A738	Charcoal	0.5mm (1/64")
A739	Charcoal	0.9mm (1/32")

UNIVERSAL WATERKEY CORKS (Natural Cork)

Sold in bags of 100

Part #	O.D.	Thick	Style
A364	5/16"	3/16"	Tapered
A369	3/8"	3/16"	Tapered
A365	7/16"	3/16"	Tapered
A366	3/8"	3/16"	Straight
A367	3/8"	1/8"	Straight
A368	5/16"	3/16"	Straight

UNIVERSAL COMPOSTION WATERKEY CORK

Sold in bags of 100

Part #	O.D.	Thick	Style
A377	3/8"	3/16"	Straight – most common size
A378	3/8"	1/8"	Straight – will fit Olds & others
A379	5/16"	3/16"	Straight – will fit Olds & others

NEOPRENE WATERKEY “CORKS” (Black)

Sold in bags of 100

Part #	O.D.	Thick	Style
A361	3/8"	3/16"	Straight – will fit King & others
A362	3/8"	1/8"	Straight – will fit Olds & others
A363	5/16"	3/16"	Straight – will fit Olds & others

NON-COMPRESSING RUBBER WATERKEY DISKS

These disks are fast becoming the industry standard for waterkeys on professional instruments. They are more affordable than cork, last much longer and are not affected by oil or grease.

Black in color and they have an adhesive back for easy installation.

Sold in dozens and hundreds

Part #	O.D.	Thickness
A332	8.1mm	2.3mm – used on Bundy
A334	8.5mm	4.2mm
A333	9mm (thin)	3.5mm
A335	9mm	4.2mm
A336	9.5mm	4.2mm
A337	10mm	4.2mm
A338	11mm	4.2mm

VALVE STEM CORK WASHER

Composition Cork, Sold in bags of 100

A460	Piston or Finger Button Cork Washer
	1/2" (12.7mm) dia. x 1/16" (1.6mm) thick x 7/32" (5.5mm) hole
A461	Piston Cork Washer – Medium Thickness
	9/16" (14.3mm) dia. x 3/32" (2.4mm) thick x 7/32" hole
A462	Piston Cork Washer – Thick
	9/16" (14.3mm) dia. x 1/8" (3.1mm) thick x 7/32" hole

VALVE STEM TUBE CORK

Natural Cork, Sold in dozens

A463	1/2" (12.7mm) D x 2½" (63.5mm) L x 3/16" (4.7mm) Hole
A466	5/8" (15.8mm) D x 2" (50.8mm) L x 1/4" (6.3mm) Hole

You rarely need to cut your own washers when the three precut sizes listed above are on hand.

ROTARY VALVE STICK CORK

For French Horns and Tubas

Round, Natural Cork, Sold in dozens

- A470 3/16" (4.7mm) D x 1 1/2" (38mm) long
- A471 1/4" (6.3mm) D x 1 1/2" long
- A472 5/16" (7.9mm) D x 1 1/2" long (also works for open hole flute plugs)
- A473 3/8" (9.5mm) D x 2" long

ROTOR VALVE RUBBER STOP

For French Horns and Tubas

A Buna-type rubber that is not affected by oil. Use this on one side and cork on the other for a good solid feeling rotary valve action. **Sold in 1 foot pieces**

- A200 3/16" (4.7mm) diameter – round
- A201 1/4" (6.3mm) diameter – round
- A202 5/16" (7.9mm) diameter – round
- A203 9/32" (7.1mm) diameter – round
- A199 Olds Style – round w/flat side
- H681 Holton Style – round w/flat side

FLUTE & PICCOLO HEAD CORK

Sold in dozens

- A474 Flute Head Cork – 11/16" (17.5mm) Dia. x 1 1/4" (31.5mm) Long
- A468 Piccolo Head Cork – 15/32" (11.4mm) Dia. x 13/16" (20mm) Long
- A1740 Alto Flute Head Cork – sold singly
- A1741 Bass Flute Head Cork – sold singly
- A475 Flute Trill Key Corks – round disk – cut into 1/4's and glue to spatula
- A472 5/16" (7.9mm) x 1 1/2" Stick Cork – for open hole plugs

PRE-SHAPED FLUTE KEY CORKS

Sold in dozens

- A1670 Armstrong & Artley Trill Keys
- A1671 Armstrong & Artley Eb Key
- A1672 Gemeinhardt Trill Keys
- A1673 Gemeinhardt Eb Key
- A1674 Emerson Trill Keys
- A1675 Emerson Eb Key
- A1676 Yamaha Trill Keys
- A1677 Yamaha Eb Key

TAPER TUBE CORK

- A476 Alto Saxophone Necks
- A477 Tenor & Baritone Saxophone Necks

MUTE CORK STRIPS

- A464 Small – Cornet & Trumpet Mutes – 7/16" (11mm) X 2" (50.8mm)
- A465 Large – Trombone Mutes – 1/2" (12.7mm) X 2 1/4" (57mm)

Valentino Products



KEY SILENCERS

Replaces cork on all clarinet, saxophones, flutes, etc. Self-adhesive, 1.75" x 2.5" sheet with 36 die cut disks and rectangles. Just peel off and stick, Tan Color.

- A429 Silencer Sheet – 1/64" (.4mm) thick
- A430 Silencer Sheet – 1/32" (.8mm) thick
- A431 Silencer Sheet – 3/64" (1.2mm) thick

TENON CORK REPLACEMENT

Replace clarinet tenon corks in less than two (2) minutes – No sanding, gluing or heat required! These are self-adhesive and cork grease is never required.

- A432 3/8" wide die cut
 - A433 7/16" wide die cut
 - A434 2 5/8" x 7" sheet – sold singly
-] Sold in package of 4

A435 SAX NECK CORK REPLACEMENT

A great time saver! Simply remove the old cork and adhesive, remove the paper backing, wrap around the neck and trim with a razor blade. Cork grease may be used initially, but it's not needed thereafter. Mouthpieces with different inside diameters may be used. The material will recover its original diameter in approximately 2 hours. 1/16" thick x 2.5" x 1.75" (Fits all Saxophone necks)

SHEET CORK REPLACEMENT

Now being used by a number of manufacturers. Cut a piece off to fit your key, peel off backing, adhere to the key and trim with a razor blade. It's that simple!

4" x 6" (approx. 100mm x 150mm) sheet, Cork color

- A436 1/64" (.4mm)
- A437 1/32" (.8mm)
- A438 3/64" (1.2mm)
- A439 1/16" (1.6mm)

ALLIED UNIVERSAL PARTS

ALLIED UNIVERSAL LYRE HOLDERS (Complete with Screws)



A315



A317



A318

- A315** Holder Brazed same direction as flange - will fit cornet, trumpet, saxophone, French horn, baritone horn & sousaphone - fit 9/64" shank
A317 Holder Brazed same direction as flange - will fit Olds/Bundy - fits 11/64" shank
A318 Alto & Bass clarinet lyre holder - screws on

ALLIED UNIVERSAL LYRE HOLDER SCREWS

Sold in dozens.



A440



A441



A442



A443

- A440** 8/32 - Olds, Getzen, many others
A441 6/32 - King
A442 6/36 - Holton, Bundy, Bach
A443 6/40 - Conn, Blessing
A1690 3.5 x .6mm - Yamaha, Evette

All screws are brass and can be nickel or silverplated for an additional charge.

ALLIED UNIVERSAL WING SCREWS

Sold in dozens.



A444



A445



A446



A447

- A444-N** 6 x 32 - Ligature Screw - Nickel
A444 6 x 32 - Ligature Screw - Brass
A447 6 x 36 - Ligature Screw - Nickel
A448 8 x 32 - Ligature Screw - Nickel
A449 8 x 36 - Ligature Screw - Nickel
A445 8 x 32 - Neck Screw - Brass
A445-N 8 x 32 - Neck Screw - Nickel
A446 10 x 32 - Neck Screw - Brass
A1691 4 x .7mm - Neck Screw - Brass - fits Yamaha & Evette
A1689 4 x .75mm - Neck Screw - Brass - fits Jupiter & Selmer Paris
A1689-N 4 x .75mm - Neck Screw - Nickel - fits Jupiter & Selmer Paris

Round w/knurl

SMALL PARTS/SPRING HOLDERS



- A504** Hinge Rod/Needle Spring Holder (20 vials 1/2" dia. x 3-5/16" long & base)
A512 Pivot Screw/Flat Spring Holder (16 vials 1" dia. x 2-7/8" & 1-7/8" long & base)

Enlarging Hinge Tubing

Hinge tubing used on woodwind keys can be enlarged using one of two methods.

Wiggle Rod. Bend an old hinge rod and force it through the hinge tubing using a bench motor. This will also lengthen the hinge tubing, sometimes more than you desire.

Scored Rod. Use a piece of hinge rod that is one size smaller than normal for the hinge tubing to be enlarged. Score the rod repeatedly using a pair of side cutter. The effect will be that of a reamer and the hinge tubing will not increase its length.

Extending Short Hinge Tube

An easy method is make a plug with the large O.D. the same as the hinge tube, the small O.D. the same as the I.D. of the hinge tube. Soft solder the plug in the hinge tube and then drill out the plug.

Sax Neck Corks

Neck corks can readily be sanded down when held with our T1415 slide tube expander. Hold the tool in a vise and insert "foot" in the small end of the sax neck. With the neck held in a rigid position, cut down the cork using (A820) 220 emery cloth or (A857) 220 grit Fabricut. The job is done in seconds.

Cementing Broken Clarinet Bodies

Can it be done successfully and how long will it last? We have cemented a few over the years and informed the customer the job was not guaranteed and be sure to let us know if the bond failed. No one has advised us it did.

The method we used was to drill 3 holes lengthwise into the wall of the clarinet section. An easy method to locate the holes for proper alignment of the pins is to use a needle spring to place a small spot of vaseline in the area to be drilled. Join the section and the vaseline transfers to the other side. Drill out one side and turn the pins into place. Drill out the other side using a larger drill. Cement the broken sections together using Armstrong adhesive.

REED INSTRUMENT SPRINGS

NEEDLE SPRINGS – Stainless Steel is being subbed as Blue Steel runs out.

Sold in dozens

Diameter (.001") x Length (mm)	Diameter (.001") x Length (mm)
A500 - .018 x 25	A500 - .039 x 50
A500 - .020 x 30	A500 - .040 x 40
A500 - .022 x 50	A501 - .043 x 50
A500 - .024 x 46	A501 - .044 x 65
A500 - .026 x 60	A501 - .045 x 40
A500 - .028 x 46	A501 - .045 x 65
A500 - .029 x 33	A501 - .046 x 57
A500 - .030 x 47	A501 - .050 x 45
A500 - .032 x 47	A501 - .052 x 70
A500 - .033 x 27	A501 - .055 x 89
A500 - .033 x 60	A501 - .057 x 63
A500 - .036 x 50	A501 - .058 x 76
A500 - .037 x 50	A501 - .063 x 64
A500 - .037 x 60	

STAINLESS STEEL MUSIC SPRING WIRE

High quality spring wire in hard to find sizes. Perfect for making woodwind springs.

Sold in 10 foot lengths. (Sizes marked with * available in steel only, not stainless).

Part #	Diameter	Part #	Diameter
A478	.009*	A490	.037
A479	.011	A491	.039
A480	.013	A492	.041
A481	.016	A493	.043
A482	.020	A494	.045
A483	.022	A495	.047*
A484	.024	A496	.049*
A485	.026	A497	.051
A486	.029	A498	.055
A487	.031	A499	.059
A488	.033	A505	.063
A489	.035		

UNIVERSAL SPRING SETS

Blue Steel, round & flat springs included

A514 Bb Clarinet
A515 Alto Saxophone
A516 Tenor Saxophone
A517 Baritone Saxophone
A518 Oboe

NEW

Spot Buffing

The area to be spot buffed can easily be controlled by taping the exterior of the area with masking tape. After buffing, clean the brass using alcohol. It is helpful if the spot is then heated with a torch to darken the color of the brass prior to spot lacquering to more nearly match the surrounding area. You might also use Brasso on the newly buffed area to match the surrounding area.

FLAT SPRINGS

CLARINET FLAT SPRINGS – SUPPLIED IN THE FOLLOWING SIZES:

Sold in dozens

Part #	Thickness (.001") x Length (mm)
A506 - C10	.016 x 15
A506 - C11	.016 x 30
A506 - C12	.016 x 22
A506 - C13	.011 x 17
A506 - C14	.010 x 44
A506 - C15	.011 x 29.5
A506 - C16	.012 x 16.5
A506 - C17	.011 x 13
A506 - C18.5	.012 x 20 (crescent)
A506 - C19	.011 x 58
A511 - General Assortment of 100	

SAXOPHONE FLAT SPRINGS – SUPPLIED IN THE FOLLOWING SIZES:

Sold in dozens

Part #	Thickness (.001") x Length (mm)
A508 - S0	.029 x 36
A508 - S1	.024 x 30
A508 - S2	.022 x 30
A508 - S3	.011 x 30
A508 - S4	.015 x 25 (Neck 8 ^{va} Key)
A508 - S5	.006 x 25
A508 - S6	.015 x 30 (Neck 8 ^{va} Key)
A509 - General Assortment of 100	

FLUTE SPRING WIRE

A291 .020" Spring Wire - Phosphor Bronze - 12 Foot Length
A292 .025" Spring Wire - Phosphor Bronze - 12 Foot Length
A293 .032" Spring Wire - Phosphor Bronze - 12 Foot Length
A294 .035" Spring Wire - Phosphor Bronze - 12 Foot Length

Soft Soldering Mini Tip

Get in the habit of taking the torch to the work rather than the work to the torch. A highly skilled mounter may prove this wrong, but the rest of us will do a better job with the torch in one hand and solder in the other.

Preheat the area to be soldered before applying flux. The flux will penetrate and do a better job of cleaning especially on lacquered play condition work.

Mini Repair Tips

Patching Material

We receive requests to list both brass and nickel-silver thin sheet in our parts catalog to be used for patches. We use old brass and nickel-silver French horn bells for this purpose. It is free. Also most machine shops have brass shim stock on hand for shimming bearings.

Patching thin valve knuckles can be accomplished very easily using a new knuckle (our No. A112). Simply cut the new knuckle, preferably on a band saw or with metal snips lengthwise, leaving at least 60% of the outside radius as a patch. Trim to length. Snap the patch over the old knuckle solder. Because the patch covers 100% of the outside radius it is barely detectable.

Silver Solder Holder

Silver solder unlike lead solder is so small in diameter that the wire is difficult to control placement in just the right spot. This can be easily remedied if the wire solder is fed through a 6" piece of hinge tubing. The solder is fed through the hinge tubing so that approximately 1" of wire protrudes. The wire solder is then controlled, no burnt fingers and a neater job.

Flute A Key Wobble

It is not unusual for the A key on flutes to have side play and actually wobble. This is caused by the fact that the taper of the C key rod is too short. The taper can be lengthened by inserting the C key rod in a bench motor with the shoulder extended beyond the chuck a few thousandths of an inch depending upon the severity of wear. Using the jaws of the chuck as a guide, take a cut with the jewelers saw with the bench motor running, which will in effect extend the taper by the amount the shoulder is cut back. This requires only a few seconds and the A key is tightened like new.

Instances when the C key rod taper is too long which results in binding the A key, it can be corrected as follows: Increase the depth of the screwdriver slot enough to wedge open the slot. The rod then can be inserted to the desired depth so the A key will not bind, yet the C key rod will remain in place.

Spot Buffing

The area to be spot buffed can easily be controlled by taping the exterior of the area with masking tape.

After buffing, clean the brass using alcohol. It is helpful if the spot is then heated with a torch to darken the color of the brass prior to spot lacquering to more nearly match the surrounding area. You may also use Brasso on the newly buffed area to match the surrounding area.

Removing Frozen Clarinet Rods

As a last resort, when everything else fails, it is common to saw off the rod next to the post. This method also removed material from the key reducing its length. There is no need to saw the rod! The rod can be easily broken by firmly grasping the post with a large pair of pliers and twisting the post slightly from side to side. The rod will break off at the post. The key is not damaged.

Care must be taken not to break a chunk out of the body. This will not occur if the post is twisted back and forth only, do not bend the post while twisting. No doubt plier marks will disfigure the post somewhat. Place post in bench motor and touch with file and emery smooth prior to buffing.

Silencing Mechanical Rotor Eccentric Screws

Use concentrated STP oil additive.

Drilling an "Inaccessible" Hole

There are times a "straight shot" is not possible when enlarging a hole. This usually can be accomplished by soldering a pin vise on the end of a 3/16" diameter brass rod which will be flexible enough when rotated by hand to do the job like drilling out trumpet 3rd slide stop posts.

Soft Soldering

Get in the habit of taking the torch to the work rather than the work to the torch. A highly skilled mounter may prove this wrong, but the rest of us will do a better job with the torch in one hand and solder in the other.

Preheat the area to be soldered before applying flux. The flux will penetrate and do a better job of cleaning especially on lacquered play condition work.

Smoother Trombone Slide Action

Buff the inside tubes, particularly the stocking. Use lime buffing compound (A815) on nickel plated tubes and chrome buffing compound on chrome plated tubes.

Most shops do not have chrome compound on hand. Nothing else works nearly as well. The inside of the outside tubes can be cleaned and restored to "like new" condition by using a Flex-hone®. Either oil or a good grad of dish washing detergent must be used when running this tool at slow speed (300 to 500 rpms) in a lathe or variable speed drill. Buffing the inside tubes and cleaning the outside tubes should give you "lightning" fast action, if alignment and all dents have previously been corrected.

Cracked Saxophone Necks

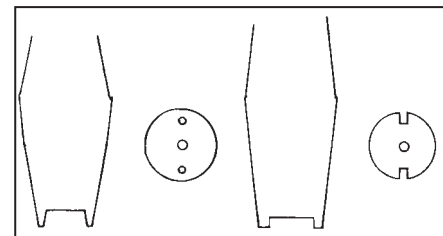
The small end of old saxophone necks split easily in the seam. Solder a thin brass ferrule 1/8" wide on the end. Be sure the crack is closed to its original position before soldering. After recorking the appearance is as good as new. Today some professional saxes are made with a collar for added support.

Another Use for Delrin Rod

Throw away any wooden dowels used to tap keys when adjusting. The wood dowels don't last very long. Use 1/2" diameter (A865) Delrin rod. Shape end as you desire with file. They will last a hundred years.

Leblanc Metal Contra-Bass Clarinet and Alto and Bass Clarinet F# Aperture Key Tools

Secure stubby screwdrivers one or two inches long with 3/8" wide blades. File ends of blades to correct shape to fit the holes or slots. See illustration.



Determining Tank Capacity in Gallons

Rectangular tanks – multiply length x width x depth to get total cubic inches and divide by 231.

Round tanks – $r^2 \times 3.14 \times \text{depth}$ to get total cubic inches and divide by 231.

OBSOLETE SAX NECK REPLACEMENTS

As we all know there are many well made vintage saxophones missing their necks. Instruments such as: all Martin (Elkhart production); King Super 20, Zephyr, 613, 615, etc.; Selmer pre-Mark VI's; Conn pre-1990 and many others where makers have gone out of business, been bought out, or have changed models and specifications.

We get this question two or more times a week, as to whether or not necks are available for these old "Classics". NO ORIGINAL NECKS ARE AVAILABLE FOR THESE HORNS! Unless you come across one in someones' junk pile or box of miscellaneous stuff somewhere, you are not going to get one.

We, at Allied, are not going into sax neck production. The cost of tooling and quantities of each type of neck needed to justify that tooling is cost prohibitive.

Your only hope is to obtain a neck from another make and try it on the horn you need a neck for. To do this you must play it against a tuner. Often times the instrument will play well in one octave but many jump up or down a quarter tone or more in the other octaves. This is due to octave pip placement, length of the neck, taper of the neck, or bore of the neck. There is little if anything you can do to modify a neck or play in tune. Necks are designed specifically to an instrument.

We wish, and do try to offer, everything and anything a repair tech needs to satisfy their customers. Unfortunately sax neck replacements are not a thing we are going to be able to provide you.

CRACKED SAXOPHONE NECKS

The small end of old saxophone necks split easily in the seam. Solder a thin brass ferrule 1/8" wide on the end. Be sure the crack is closed to its original position before soldering. After recorking the appearance is as good as new. Today some professional saxes are made with a collar for added support.

REPLACING NORTON SAX SPRINGS

Norton springs used on Buescher saxophones are no longer available. What can be done to provide a replacement?

A quite simple, easy method is to drill out the center of the threaded portion of the Norton spring that remains in the instrument. Usually when a Norton spring breaks off, it leaves a pilot hole, if not, use a center punch. Start with a No. 59 or 60 drill. Increase the hole to the size desired. We recommend using larger drills one size at a time.

After drilling a hole to the size desired, simply flatten the end of a needle spring and proceed the same way as replacing any needle spring.

WHY DOESN'T THIS SAX PLAY?

There are many reasons why a sax may not play (i.e. wobbles in low register, stops playing after certain notes(s), just doesn't play easily or respond well, etc.)

1. The neck cork is not shaped properly. This may cause gaps in the fit of the mouthpiece to the cork.
 2. The neck or body octave key pads are blowing open (not enough spring tension). They may also not be opening far enough.
 3. The neck tenon is not fitted properly (e.e. out-of-round or loose).
 4. Left hand palm keys and/or high F pads seated too deeply.
 5. Side C or Bb key pad have a leak or the spring tension is too light causing them to "blow open" when being played.
 6. The high F rocker is not adjusted properly and is holding the palm high F open slightly.
 7. A solder joint somewhere is not complete.
 8. The body octave pip is not soldered completely (may have been knocked loose during dent removal).
 9. Old horns having soldered tone holes may have a tone hole that is no longer completely soldered to the body. This can be a multiple problem.
 10. The height of the keys may be too high or too low.
- There are almost an infinite amount of possibilities that can contribute to a saxophone not playing well and usually it is not just one thing, it is a combination of things.



A-BOOK

THE COMPLETE WOODWIND REPAIR MANUAL by Reg Thorp

Easy to understand step by step instructions, in the style of a workshop manual, for beginners, students and seasoned woodwind repair technicians.

The manual is divided into 10 sections: 1) General Repair - Repairs common to most woodwind instruments, 2) The Clarinet (including bass and alto clarinets), 3) The Flute (including the piccolo), 4) The Saxophone, 5) The Oboe (including the Cor Anglais), 6) The Bassoon (including the contrabassoon), 7) Advanced Repair (pinning, tenon and socket repair, mouthpiece work, etc), 8) Making Parts (keys, pillars, body rings, screws, etc.), 9) Miscellaneous (the theory), 10) Tools (choice of, making, etc.)

An appendix with details of; woodwind tool and material suppliers, instrument manufacturers, and a book list. Over 550 pages with over 950 diagrams.

Allied Supply is donating all the profits of the sale of this book to NAPBIRT.



A-BW BOOK

NEW

GUIDE TO BRASS MUSICAL INSTRUMENT REPAIR by Christopher P. Bluemel

A 12 chapter, 246 page book on how to repair brass instruments, Chris has spent a great deal of time and effort gathering information and writing a book on the difficult to describe subject of brass repair. We say difficult because brass repair requires many hours of hands on experience with a mentor to master. He has gone to great lengths to explain brass repair procedures, in detail, so that a lay person can grasp how these procedures are performed and the results that are desired. Many technical tips, ideas, techniques, from the most basic to many advanced procedures are included in this comprehensive book. There is something for everyone, from band director to seasoned repair technician.

ACCENT

NEW TO THE ALLIED LINE OF PARTS

TR510L TRUMPET

MISCELLANEOUS PARTS

AC130	Mouthpipe
AC131	Brace – Leadpipe to 2nd Valve
AC132	Brace – Bell to 2nd Valve
AC133	Waterkey – Main Tuning Slide
AC134	Waterkey – 3rd Slide
AC135	Waterkey Screw
AC136	Waterkey Spring
AC143	3rd Slide Stop Screw
AC144	Finger Ring (Push Rod) – 3rd Slide
AC145	Lyre Holder
AC146	Lyre Screw

VALVE SECTION PARTS

AC137	Finger Button
AC138	Valve Stem
AC139	Top Cap
AC140	Bottom Cap
AC141	Valve Guide
AC142	Valve Spring

TR781S TRUMPET

MISCELLANEOUS PARTS

AC161	Mouthpipe Complete
AC159	Brace – Leadpipe to 2nd Valve
AC150	Brace – Bell to 2nd Valve Casing
AC151	Finger Ring – 3rd Slide
AC153	Waterkey – 3rd Slide
AC168	Waterkey – Tuning Slide
AC152	Waterkey Shaft
AC154	Waterkey Spring
AC155	Bumper Ring – pkg of 10
AC156	Stop Screw Nut
AC157	Stop Screw Bumper Ring – pkg of 10
AC158	3rd Slide Stop Screw

VALVE SECTION PARTS

AC160	Bottom Cap (Silver)
AC164	Top Cap (Silver)
AC162	Finger Button Pearls (Set of 3)
AC163	Finger Button – No Pearls (Silver)
AC165	Valve Stem
AC166	Valve Spring
AC167	Valve Guide

TB510L TROMBONE

AC170	Balancer – Main Tuning
AC171	Balancer Screw
AC172	Hand Slide Receiver Lock (Bell)
AC181	Inside Slide Tube
AC182	Slide Lock Ring
AC173	Outside Slide Tube
AC174	Slide Lock Lug – solders on
AC175	Crook – Outside Hand Slide
AC176	Rubber Bumper for Crook
AC177	Waterkey
AC178	Waterkey Saddle
AC179	Waterkey Screw
AC180	Waterkey Spring

CL521P & CL522P CLARINET

BODY PARTS

AC101	Barrel Joint – 65mm (Brushed)
AC102	Bell – Clarinet (Brushed)

KEYS

AC105	Thumb Ring Key
AC106	Eb/Bb Trill Key
AC107	A/D Ring Key
AC108	F/C Lever

SCREWS & OTHER PARTS

AC104	Pivot Screw – New Style (Locking) – Dz
AC111	Adjusting Screw (Nylon) – Dz
AC112	Trill Key Connector (Nylon) – Dz
AC109	Adjustable Thumb Rest (nickel plated)
AC110	Thumb Rest Screw – Dz
AC113	Ring Screw (Thumb Rest)

CL720W & CL722W CLARINET

BODY PARTS

AC114	Barrel Joint – 64.5mm
AC115	Bell – Clarinet

KEYS

AC116	Thumb Ring Key
AC117	Eb/Bb Trill Key
AC118	A/D Ring Key
AC119	F/C Lever

SCREWS & OTHER PARTS

AC120	Adjustable Thumb Rest (silver plated)
AC121	Ring Screw (Thumb Rest)

Other screws same as CL521P & CL522P

AS710L ALTO SAXOPHONE

NECK PARTS

AC200	Mouthpipe Assembly – w/ Key
AC201	Upper Octave Key
AC202	Hinge Screw – Upper Octave Key

KEYS

AC203	Lower Octave Key
AC204	Octave Shift Lever
AC205	Octave Rocker Arm
AC206	Little Octave Lever
AC207	Thumb Octave Lever
AC208	Adjustment Lug
AC209	Adjustment Lug Screw
AC216	Low Bb – Tilt Spatula Assembly
AC210	Bb/G# Articulation Arm
AC211	Bb/G# Articulation Arm Screw
AC212	Bb/G# Adjustment Screw

GUARDS

AC213	Key Guard for Low D#/Eb or Low C
AC214	Key Guard Adjusting Screw (for Felt Bumper)
AC215	Key Guard Screw
AC217	Low B/Bb Key Guard
AC224	Clothes Guard

SCREWS & OTHER PARTS

AC218	Bell to Body Brace Screw – Body Side
AC219	Bell to Body Brace Screw – Bell Side
AC220	Right Hand Thumb Hook
AC221	Thumb Hook Tear Drop
AC222	Thumb Hook Screw
AC223	Left Hand Thumb Rest – Plastic
AC225	Mouthpipe Socket Screw
AC226	Lyre Holder Screw
AC227	End Plug
AC228	Pivot Screw
AC229	Key Pearl Set



FLUTE – PLATEAU MODELS

ARMSTRONG MODEL 102

Plateau – Closed hole – After Serial #8,000,000

BODY PARTS (Less Keys)

J132	Head Joint – Silver Plate
J128	Body – Silver Plate
EF102	C Foot Joint – Silver Plate

KEYS

J210	Trill Section Complete
J201	Left Hand Section – Complete
J202	Right Hand Section – Complete
J233	C Key (Body)
J235	B Thumb Key
J236	Bb Thumb Lever
J206	G Key
J237	G# Key
J238	D# Key (C Foot)
J239	C# Key (C Foot)
J152	C Key (C Foot)

SHAFTS (Hinge Rods)

J106+	Trill Shaft
J246	C Shaft
J241+	Left Hand Shaft
J242+	Right Hand Shaft
J244	G# or G/A Key Shaft
J240	Thumb Shaft
J243	C Foot – Key Shaft

+ Not drilled for knock pins – you must drill

ROLLER PARTS

J103-N	Roller – .750" Long
J102-N	Roller Screw – .830" long

SCREWS

J100	Adjusting Screws (Sold in dz's)
J101	Pivot Screws (Sold in dz's)
J137	Pad Screw – Hex Head (Sold in dz's)
EF107	Pad Screws – Slotted (Sold in dz's)
A255	Spring Screw (Sold in dz's)
T4117	Nut Driver for pads 1/8"

OTHER PARTS

J157	Head Crown – Armstrong – Silver
A282-S	Head Crown – Universal – Silver
A283	Head Crown w/Cork Assembly
A474	Head Cork (Sold in dz's)
A284	Key Pad Nuts (spuds) (Sold in dz's)
A286	Pad Washers – Metal (Sold in dz's)
A279	Flat Spring for Thumb Key or Lever
EF115	Pinning Needles (Sold in dz's)
J145	Open Hole Plugs – pkg of 5
J248	Thumb Flat Spring

ARMSTRONG MODELS 104, 104N, 104B

Plateau – Covered Holes
(Specify Silver or Nickel Finish)

PLEASE NOTE:

All parts are for flutes made after 1994 and before serial #8,000,000

(Distance between posts of Right Hand Section is 3.74" (94.6mm)+/-)

BODY PARTS (Less Keys)

J131	Head Joint – Nickel Plate – 104N
J132	Head Joint – Silver Plate – 104
J136	Head Joint – Curved, Silver Plate – 104
J127	Body – Nickel Plate – 104N
J128	Body – Silver Plate – 104
J129	C Foot Joint – Nickel Plate – 104N
J130	C Foot Joint – Silver Plate – 104
J142	B Foot Joint – Silver Plate – 104SSB

KEYS

J114	Trill Section Complete
J115	Left Hand Section – Complete
J116	Right Hand Section – Complete
J117	C Key (Body)
J118	B Thumb Key
J119	Bb Thumb Lever
J122	G Key
J123	G# Key
J124	D# Key (C Foot)
J125	C# Key (C Foot)
J126	C Key (C Foot)
J152	C Key (B Foot)
J154	Low B Key (B foot)
J155	D# Key (B Foot)
J156	C# Key (B Foot)

ROLLER PARTS

J102	Roller Screw (Old) – .722" long
J102-N	Roller Screw – .830" long
J103	Roller (Old) – .611" long
J103-N	Roller – .750" Long

SHAFTS (Hinge Rods)

J104	C Foot – Key Shaft
J105	B Foot – Key Shaft
J106+	Trill Shaft
J107	C Shaft
J108+	Left Hand Shaft
J109+	Right Hand Shaft
J110	G# or G/A Key Shaft
J111	Thumb Shaft

+ Not drilled for knock pins – you must drill

SCREWS

Same as Armstrong 102 Flute

OTHER PARTS

J139	Nylon Pad Snaps (Sold in dz's)
J158	Pinning Needles (Sold in dz's)

Other parts same as Armstrong 102 Flute

FRENCH MODELS 103, 103B, 303 & 303B

Open Hole – Before serial #8,000,000

All Parts Silver Plated

BODY PARTS (Less Keys)

J132	Head Joint – Silver Plate
J159	Body – inline G
J130	C Foot Joint
J142	B Foot Joint

KEYS

J114	Trill Section Complete
J133	Left Hand Section Complete
J134	Right Hand Section Complete
J117	C Key Body
J118	B Thumb Key
J119	Bb Thumb Lever
J144	G Key
J123	G# Key
J124	D# Key (C Foot)
J125	C# Key (C Foot)
J126	C Key (C Foot)
J154	Low B Key (B Foot)
J155	D# Key (E coot)
J156	C# Key (B Foot)
J153	C Key (B Foot)

SCREWS & SHAFTS (Hinge Rods)

Same as Armstrong 102 Flute

OTHER PARTS

J143	Open Hole Pad Grommets (Sold in dz's)
J145	Translucent Rubber Plug Set (5 per set)
T4117	Nut Driver for pads – 1/8"
T5009	Nut Driver for springs – 3/32"

ARMSTRONG MODEL 103

Open Hole – After serial #8,000,000

BODY PARTS (Less Keys)

J132	Head Joint – Silver Plate
J159	Body – Silver Plate – 103
EF102	C Foot Joint – Silver Plate

KEYS

J230	Trill Section Complete
J231	Left Hand Section – Complete
J232	Right Hand Section – Complete
J233	C Key (Body)

ARMSTRONG

J235	B Thumb Key
J236	Bb Thumb Lever
J237	G# Key
J238	D# Key (C Foot)
J239	C# Key (C Foot)
J152	C Key (C Foot)

SHAFTS (Hinge Rods), ROLLER, SCREWS & OTHER PARTS

Same as Armstrong 102 after serial #8,000,000

PICCOLO – MODELS 307, 308 & 309

CONICAL BORE – PLASTIC

BODY PARTS

J160	Head Joint – Plastic
J161	Head Joint – Metal – Silver Plate
J162	Body

KEYS – All are silver plated

J171	Trill Section
J172	Left Hand Section
J173	Right Hand Section
J174	C Key
J175	B Thumb Key
J176	Bb Thumb Lever
J177	G# Key
J178	D# Key

SHAFTS (Hinge Rods)

J163	Trill Key Shaft
J164	C Key Shaft
J165	Left Hand Shaft
J166	Right Hand Shaft
J167	D# Key Shaft
J168	Thumb Key Shaft
J169	G# Key Shaft

SCREWS & OTHER PARTS

J170	Pivot Screws (Sold in dz's)
J179	Head Crown – Metal – Silverplate
J180	Head Crown – Plastic
J181	Cork Carrier Assembly – for Metal Crown
J183	Cork Carrier Assembly – Plastic & Wood

PICCOLO – MODEL 204

CYLINDRICAL BORE – METAL

BODY PARTS

J135	Head – Silver Plated – Model 204
J184	Body – Silver Plated – Model 204

KEYS (also fits 209 Piccolo)

J185	Trill Section
J186	Left Hand Section
J187	Right Hand Section
J188	C Key
J189	B Thumb Key
J190	Bb Thumb Lever
J191	G# Key
J192	D# Key

SCREWS & SHAFTS (Hinge Rods)

Same as Conical Models

OTHER

J120	Head Crown (204 and 209)
A468	Head Crown Cork (Sold in dz's)
J181	Cork Carrier Assembly
J121	Head Crown w/Cork Assembly

ARMSTRONG CLARINET

See Artley Clarinet

ARMSTRONG SAXOPHONE PARTS

(All other parts are obsolete)

J220	Pivot Screw
J234	Alto Bell Key Guard
J334	Tenor Bell Key Guard

Low Temperature Silver Soldering

Our #A896 Kit

A definite need exists for this material (such as filling cracks or holes in bells and crooks). It looks much better than a patch and is much easier to accomplish.

It flows at 430°F as compared with 325°F for soft solder and 1800°F for regular silver solder.

Directions for use are:

- (1) Use liberal amount of special flux which is supplied in the kit.
- (2) Apply heat generously, but not enough to burn off flux. Metal must not get red hot.
- (3) Allow work to cool slowly. Do not quench.

Regular Silver Solder (Brazing)

A bond stronger than the metal itself can be achieved when using 50-50 silver solder such as our A834 and a good grade of flux such as our A835 or A1080 Flux Core Silver Solder. Any high stress joint should be silver soldered rather than soft soldered.

A very hot flame such as oxygen and gas or acetelene should be used on larger part. A large tip air and gas flame will suffice on small parts such as keys.

Essential consideration to properly silver solder any joint are:

- (1) Clean parts.
- (2) Good fit. When silver soldering to identical parts such as hinge rods or key shafts, file a small groove around the joint. This will fill with solder to make a stronger bond. Excess solder can be filed away so the joint is practically undetectable.
- (3) Apply flux prior to heat.
- (4) Steady hands are a necessity. Better yet, use a work holder such as our T1770.
- (5) Heat the largest part first. Apply heat until the flux boils. Apply solder. If the solder balls-up, not enough heat has been applied. This is the most common error in silver soldering. The parts must be red hot. However, brass burns at 2200°F so there isn't too much difference between not enough and too much heat.
- (6) Allow the part to cool slowly. Do not quench.

IMPORTANT NOTICE

The flute and piccolo parts shown are for Nogales produced flutes.

Current Elkhart production flutes and piccolos have a two number prefix in the serial number, i.e. 39-0000. For instruments with this prefix, order Armstrong parts.

PLATEAU FLUTE MODEL 18-0

(Closed Holes – Specify Silver or Nickel Finish)

BODY PARTS – Less Keys

E1001	Body – New Style (Armstrong production)
E136	C Foot – Silver Plate

MISCELLANEOUS PARTS

E100	Adjusting Screws
E116	Pivot Screws (1 x 72 threads)
J101	Pivot Screws (2 x 56 threads)
E114	Flat Spring

FRENCH FLUTE MODELS

15-0 & 16-0 (Open Hole)

Parts not listed are obsolete

KEYS (Nogales production)

E174	F Key
E175	E Key
E177	G Key

PICCOLO MODELS 18-P & 19-P COMPOSITION

(Nogales production)

All parts are obsolete when gone

BODY PARTS

E180	Head – Composition – 18P
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SHAFTS (Hinge Rods)

E183	Trill Shaft
E184	C# Shaft
E185	Left Hand Shaft
E186	Right Hand Shaft
E187	D# Shaft

KEYS

E192	Left Hand Section Complete
E194	C Key
E195	B Thumb Key
E198	D# Key

PICCOLO MODEL 15-P SILVER PLATED

(Nogales production)

All parts are obsolete when gone

BODY PARTS

E210	Body – Less Keys (Nogales)
E211	Hand Rest
E212	Barrel with Rings

SHAFTS (Hinge Rods)

E213	Trill Shaft
E216	Right Hand Shaft
E218	Thumb Shaft

SCREWS

Screws are no longer available

KEYS

E221	Left Hand Section Complete
E222	Right Hand Section Complete
E223	C Key
E224	B Thumb Key
E227	D# Key

ARTLEY MODEL 17S & 18S AND ARMSTRONG 4001 CLARINETS**BODY PARTS**

E310-N	Upper Joint – 17S & 18S.
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All other joints are obsolete

KEYS

E360	Register Key
E361	C Trill Key
E362	Bb Trill Key
E363	A Key
E364	Top G# Key
E365	F# Ring Key
E366	Thumb Ring Key
E367	F# Trill Key
E368	A/D Ring Key
E369	Eb/Bb Trill Key
E370	Eb/Bb Aux Key
E371	Curved C#/G# Key
E372	Lower Ring Key
E373	F/C Lever
E374	B/F# Key
E375	E/B Lever
E376	F#/C# Lever – old style 4 11/16" long
E377	Ab/Eb Key
E378	Low F/C Key
E379	F#/C# Key
E380	Low E/B Key

SCREWS

E100	Regulating Screw – Low F/C (17S)
E317	Regulating Screws – G# (17S)
E315	Pivot Screws
E355	Flat Spring Screw
E381	Thumb Rest Screws

SHAFTS (Hinge Rods)

E323	A Key
E324	G# Key
E325	E/B Lever
E326	F# Ring Key
E327	Eb/Bb Aux Key
E328	F#/C# Lever
E331	C Trill Key
E332	F# Trill Key
E333	Eb/Bb Trill Key
E334	C#/G# Key

RINGS & OTHER PARTS (same for 17S & 18S)

E337	Ring – Barrel Joint – Upper
E341	Ring – Lower Joint
E343	Ring – Bell – Upper
E303	Register Vent Tube
E304	Thumb Tube
E354	Thumb Rest

Repair Tips**FLUX DISPENSER:**

Fill a Bench Oiler Bottle (T1777), with Soft Solder Flux (A831). This will allow you to get a small amount of flux into hard to reach places.

TRUMPET KICKOUT RESTORATION:

When you have trouble restoring the kick to trumpet kickout 3rd slides, try this. After cleaning the slides, both inside and inside of the outside and after doing your normal adjustments put a few drops of key oil on the slides. Run each slide separately into its prospective tube. Clean off excess oil. If all this is done correctly your 3rd valve works as smooth as glass.

CONN "SANDWICH" VALVE GUIDE

Conn had a "sandwich" valve guide that consisted of 2 thin, triangular metal plates and a plastic piece, which was between the 2 metal plates. The plastic plate is no longer available. There are two options to fix these valves: 1st you can ignore the plates and drill and tap a hole, in the side of the piston, where the "nib" of the guide would protrude and install a metal, screw in, valve guide (A310).

The 2nd option is to stack 4 to 5 of the metal plates and install a small pin in the top of the piston, to keep the plates from moving, and this should work as a guide also.

BACH/BUNDY

BUNDY CORNET MODEL 1531

MOUTHPIPE PARTS

S405	Mouthpiece Receiver
S190	Mouthpipe Tube
S143	Finger Hook

Waterkey parts – see CR300 Cornet

SLIDE PARTS

S193	Tuning Slide Crook
S191	Crook for 1st, 2nd or 3rd slide
S604	Tuning Slide Assembly
S605	1st Slide Assembly (1 inner/1 outer tube)
S606	2nd Slide Assembly
S607	3rd Slide Assembly
S292	3rd Slide Finger Ring – push rod
A114	3rd Slide Finger Ring – push rod
S111	Lyre Holder
S116	Lyre Holder Screw – 8 x 32 thread
S608	Slide Pull Knob
S649	Outside Slide Tubing – 30"
S650	Inside Slide Tubing – 30"

Waterkey parts – see CR300 Cornet

VALVE SECTION PARTS

S277-N	Finger Button – Nickel
S294	Top Cap
S295	Bottom Cap
S280	#1 Piston - .650"
S281	#2 Piston - .650"
S282	#3 Piston - .650"
S296	Valve Guide – Two Sided – Plastic
S278	Valve Stem – aluminum
B414	Valve Spring
A410	Stem Felt
A400	Top Cap Felt

BRACES

Same as CR300 Cornet

BELL

S287	Bell – Engraved
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BACH CORNET MODEL CR300

MOUTHPIPE PARTS

B652	Mouthpiece Receiver
S190	Mouthpipe Tube
B643	Finger Hook

SLIDE PARTS

S604	Main Tuning Slide Assembly – Lacquered
S605	1st Slide Assembly – lacquered
S606	2nd Slide Assembly – lacquered
S607	3rd Slide Assembly – lacquered

S191	Crook for 1st, 2nd or 3rd Slide
S193	Main Tuning Slide Crook
S292	3rd Slide Finger Ring – Push Rod
A114	3rd Slide Finger Ring – Push Rod
S111	Lyre Holder
S116	Lyre Holder Screw
S608	Slide Pull Knob

WATERKEY PARTS

S270	Waterkey – Mouthpipe
S122	Waterkey – 3rd Slide
S271	Waterkey Saddle
S275	Waterkey Nipple
S273	Waterkey Pin
S178	Waterkey Pad – White Nylon
A332	Waterkey Pad – Black Adhesive back
A353	Waterkey Spring

VALVE PARTS

B408	Valve Stem - Brass, Anodized
B409	Top Cap
B410	Bottom Cap
B411	#1 Piston - .650"
B412	#2 Piston - .650"
B413	#3 Piston - .650"
B414	Valve Spring
S296	Valve Guide
S277-N	Finger Button – Nickel

BRACES

S284	2nd Valve to Bell
S318	2nd Valve to Mouthpipe
S138	1st Slide to Bell
S290	Upper Tuning Slide to Valve
S289	Lower Tuning Slide to Valve
S283	Mouthpiece Receiver to Bell
S139	1st or 3rd Slide Spacer Brace
S288	Mouthpipe to 3rd Slide

BELL

B651	Bell – Engraved
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BACH CORNET MODEL CR310

MOUTHPIPE PARTS

B640	Mouthpiece Receiver
B642	Mouthpipe Tube
B643	Finger Hook

SLIDE PARTS

B645	1st Slide Assembly
B646	3rd Slide Assembly
B647	Tuning Slide Assembly
B141	1st Slide Thumb Hook
B644	3rd Slide Push Rod
B406	3rd Slide Stop – Plastic

Other parts – see CR300 Cornet

VALVE PARTS

Same as CR300 Cornet

WATERKEY PARTS

Same as CR300 Cornet

BRACES

S147	2nd Valve to Bell
B407	1st Slide to Bell
S290	Upper T. S. to Valve
S289	Lower T. S. to Valve
S283	Mouthpiece Receiver to Bell
S139	1st or 3rd Slide Spacer Brace

BELL

B650	Bell – Engraved
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BACH STRADIVARIUS CORNET MODEL 181

MOUTHPIPE PARTS

B190	Mouthpipe Assembly
B106	Mouthpiece Receiver
B192	Finger Hook

Waterkey parts – see 180 Trumpet

SLIDE PARTS

B191	Tuning Slide Crook
B149	Tuning Slide Assembly
B160	Crook for 1st, 2nd or 3rd slide
B150	1st Slide Assembly
B151	2nd Slide Assembly
B152	3rd Slide Assembly
B153	3rd Slide – End Slide Assembly
B108	1st Slide Trigger
B109	1st Slide Trigger Saddle
B165	1st Slide Trigger Connecting Bar

Other slide parts are the same as the 180 Trumpet

VALVE SECTION PARTS

Same as 180 Trumpet

BRACES

Same as 180 Trumpet

BELL

B194	Bell – Model 37
B123	Bell – Model 43
B124	Bell – Model 25

BUNDY TRUMPET MODEL 1530

MOUTHPIPE PARTS

S404	Mouthpiece Receiver
S439	Mouthpipe Tube
S463	Finger Hook

SLIDE PARTS

S192	Tuning Slide Crook
S327	Tuning Slide Assembly
S328	1st Slide Ass'y (1 inner/1 outer tube)
S335	2nd Slide Ass'y
S342	3rd Slide Ass'y w/Key

Other slide & waterkey parts same as 1531 cornet

VALVE SECTION PARTS

Same as 1531 cornet

BRACES

A108	Tuning Slide to Bell Brace (front).
Other braces – see 1531 cornet	

BELL

B415	Bell – Engraved – Bach
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BACH TRUMPET MODEL TR200

MOUTHPIPE PARTS

B181	Mouthpipe Assembly
B700	Mouthpiece Receiver
B701	Finger Hook

SLIDE PARTS

B404	1st Slide Assembly
B702	2nd Slide Assembly
S342	3rd Slide Assembly
B703	Main Tuning Slide Assembly
S191	Crook for 1st, 2nd or 3rd Slide
S192	Tuning Slide Crook
B141	1st Slide Thumb Hook

Other parts same as TR300

WATERKEY PARTS

Same as TR300 Trumpet

VALVE PARTS

Same as 180 Stradivarius Trumpet

BRACES

B704	Mouthpipe to Bell
B127	Main Tuning Slide Brace

Other braces same as TR300 Trumpet

BELL

B611	Bell
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BACH TRUMPET MODEL TR300

MOUTHPIPE PARTS

B416	Mouthpipe Assembly
B401	Mouthpipe Tube
B402	Mouthpiece Receiver
B403	Finger Hook

SLIDE PARTS

B404	1st Slide Assembly – Lacquered
S606	2nd Slide Assembly – Lacquered
S607	3rd Slide Assembly – Lacquered
B405	Tuning Slide Assembly – Lacquered
S191	Crook for 1st, 2nd or 3rd slide
B406	3rd Slide Stop – Plastic
S111	Lyre Holder
S116	Lyre Holder Screw
S292	3rd Slide Finger Ring – push rod
A114	Univ. 3rd Slide Finger Ring – push rod
S608	Pull Knob – solders on

WATERKEY PARTS

S270	Waterkey – Tuning Slide
S122	Waterkey 3rd Slide
S271	Waterkey Saddle
S273	Waterkey Pin
A353	Waterkey Spring
S275	Waterkey Nipple
S178	Waterkey Pad – Nylon
A332	Waterkey Pad – Black Adhesive back

VALVE SECTION PARTS

S296	Valve Guide (Plastic)
S277-N	Finger Button
B408	Valve Stem – Brass (Anodized Alum)
B409	Top Cap
B410	Bottom Cap
B411	#1 Piston – Monel - .650"
B412	#2 Piston – Monel - .650"
B413	#3 Piston – Monel - .650"
B414	Valve Springs
A416	Top Felt
A410	Valve Stem Felt

BRACES

B400	Tuning Slide Brace – 3 pieces
S284	2nd Valve to Bell
S318	2nd Valve to Mouthpipe
A108	Bell to Tuning Slide (Front)
S283	Bell to Mouthpiece Receiver (Rear)
B407	Bell to 1st Slide
S139	3rd Slide Spacer
S139	Tuning Slide to 3rd Slide

BELL

B415	Bell
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BACH TRUMPET MODEL TR500

MOUTHPIPE PARTS

B735	Mouthpipe Assembly
B732	Finger Hook

SLIDE PARTS

B720	Main Tuning Slide Assembly
B721	1st Slide Assembly
B722	2nd Slide Assembly
B723	3rd Slide Assembly
B733	1st Slide Thumb Hook
B724	3rd Slide Finger Ring (Push Rod)
B734	3rd Slide Stop Screw
B731	Main Tuning Slide Brace – complete
B725	Lyre Screw
B730	Waterkey – Main Tuning Slide
B726	Waterkey – 3rd Slide
B727	Waterkey Spring
B728	Waterkey Screw

VALVE SECTION PARTS

B711	#1 Piston - .669"
B712	#2 Piston - .669"
B713	#3 Piston - .669"
B710	Valve Stem
B717	Finger Button
B716	Valve Guide
B715	Valve Spring
B718	Top Cap
B719	Bottom Cap
B714	Top Cap Pad – rubber

BELL

B736	Bell
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BACH STRADIVARIUS C TRUMPET MODEL C180

B694	Mouthpipe Assembly (25A)
B695	Mouthpipe Assembly (25H)
B696	Mouthpipe Assembly (25C)
B697	Mouthpipe Assembly (25Rev)
B698	Mouthpipe Assembly (43LT)
B699	Mouthpipe Assembly (43Rev)
B686	Main Tuning Slide Assembly (standard)
B684	Main Tuning Slide Assembly (rounded)
B688	Main Tuning Slide Assembly (reverse)
B687	Main T.S. Crook (standard)
B681	Main T.S. Crook (rounded)
B748	3rd Slide Stopscrew - Nickel
B748-S	3rd Slide Stopscrew - Silver

BACH/BUNDY

BACH STRADIVARIUS TRUMPET MODEL 180

MOUTHPIPE PARTS

Mouthpipes come with mouthpiece receiver and slide tube. They are raw, please specify if you need them plated.

B181	Mouthpipe Assembly (25)
B181-S	Mouthpipe Assembly – silverplate (25)
B182	Mouthpipe Assembly (43)
B690	Mouthpipe Assembly (25LR)
B691	Mouthpipe Assembly (43LR)
B185	Finger Hook
B128	Mouthpiece Receiver

SLIDE PARTS

B170	Main TS Assembly – standard (square)
B170-S	Main TS Assembly – silverplated
B680	Main TS Assembly – reverse (rounded)
B171	1st Slide Assembly
B171-S	1st Slide Assembly – silverplated
B172	2nd Slide Assembly
B172-S	2nd Slide Assembly – silverplated
B173	3rd Slide Assembly
B173-S	3rd Slide Assembly – silverplated
B153	3rd End Slide Assembly
B153-S	3rd End Slide Assembly - silverplated
B183	Main TS Crook – standard (square)
B681	Main TS Crook – rounded
B160	Crook for 1st, 2nd or 3rd slide
B107	Slide Pull Knob
B141	1st Slide Hook (Thumb)
B118	3rd Slide Finger Ring
B300	Inside Tube - .459" x .507" – Brass
B301	Outside Tube - .509" x .546" – Brass
B302	Outside Tube - .509" x .546" – Nickel

WATERKEY PARTS

B130	Waterkey
B600	3rd Slide Waterkey
B132	Waterkey Screw
B133	Waterkey Saddle
B131	Waterkey Spring
B135	Waterkey Nipple
B180	Waterkey Cork (in dz's)

3rd SLIDE STOP ROD PARTS

B142	3rd Stop Rod – Assembly (Complete)
B136	3rd Stop Rod Nuts – Nickel
B136-S	3rd Stop Rod Nuts – Silver
B115	3rd Stop Rod – 5 x 40 threads
B117	3rd Stop Rod Bracket – Threaded
B144	3rd Stop Rod Guide
B143	3rd Stop Rod Allen Lock Screw
A1658	3rd Slide Stop Rod "O" Ring Bumper

1st & 3rd SLIDE TRIGGER PARTS

B635	1st Slide Trigger Assembly
B623	1st Slide Trigger
B624	1st Slide Trigger Saddle

B129	1st Slide Trigger Spring
B164	1st Slide Trigger Hinge Screw
B166	1st Slide Connecting Bar
B114	1st & 3rd Trigger Slide Lug
B116	1st & 3rd Trigger Conn Screw – Small
B174	3rd Valve Trigger
B175	3rd Valve Trigger Saddle
B176	3rd Valve Trigger Spring
B188	3rd Valve Trigger Hinge Screw
B178	3rd Valve Trigger Conn Bar
B179	3rd Valve Trigger Conn Screw – Large

VALVE SECTION PARTS

B100-S	Finger Button – Silver
B100	Finger Button – Nickel
B102	Top Cap – Nickel
B104	Bottom Cap – Nickel
B120	#1 Piston – Monel - .665"
B121	#2 Piston – Monel - .665"
B122	#3 Piston – Monel - .665"
B110	Valve Stem
B111	Piston Guide – Nylon
B154	Piston Guide – Brass
B112	Valve Spring
B113	Rubber Top Cap Washer
A410	Valve Stem Felt

BRACES

B127	Tuning Slide Brace (3 pieces)
B145	Receiver to Bell Brace
B146	TS to Bell Brace
B147	Bell to Valve Brace
B148	Mouthpipe to Valve Brace
B119	Slide Spacer Brace and
B134	Bell to 1st Slide
B137	TS to 3rd Slide

BELLS (standard weight)

B187	Bell Engraved – Model 37
B187-S	Bell Engraved – 37 silverplated
B125	Bell Engraved – Model 72
B126	Bell Engraved – Model 43

"**" under model number on bell indicates Lightweight.

The model number stamped on the bell is for the bell only. All Bach Stradivarius trumpets are either Model 180 or 180LT. Standard mouthpipe for the 180 is the "25" unless stamped differently on the mouthpiece receiver.

BACH STRADIVARIUS TRUMPET MODEL 180LT (LIGHTWEIGHT)

"**" under model number on bell indicates "Lightweight"

MOUTHPIPE PARTS

B615	Mouthpipe Assembly
B615-S	Mouthpipe Assembly – silverplated
B692	Mouthpipe Assembly (25LT Rev.)
B693	Mouthpipe Assembly (43LT)

Other parts same as 180 Trumpet

SLIDE PARTS

B616	Tuning Slide Assembly
B682	Main T.S. Assembly (rounded) - Reversed
B683	Main T.S. Crook (rounded)
B617	1st Slide Assembly
B618	2nd Slide Assembly
B619	3rd Slide Assembly
B614	3rd Slide End Slide (all LT ML models)

Other parts same as 180 Trumpet

VALVE SECTION PARTS

B100-S	Finger Button – Silver
B101	Finger Button – Brass
B103	Top Cap – Brass
B103S	Top Cap – Silver
B105	Bottom Cap – Brass
B105S	Bottom Cap – Silver

Other parts same as 180 Trumpet

BRACES

All parts same as 180 Trumpet

BELL

B620	Bell 37 * (Lightweight)
B622	Bell 72 * (Lightweight)

BUNDY MODEL 1523 & BACH TB300 TROMBONE

.500" Bore – Tenor

BELL SECTION PARTS

S199	Bell – Engraved "Bach"
S194	Handslide Receiver
S146	Bell Lock Nut
S173	Tuning Slide Crook
B653	Tuning Slide Assembly
S609	Front Bell Flange – Bell Side
S610	Front Bell Brace Flange – Receiver Side
S202	Front or Rear Bell Brace Rod
S611	Rear Bell Brace Flange – Bell Side
S612	Rear Bell Brace Flange – Gooseneck Side
S123	Gooseneck
B212	Balanced - Brass, lacquered

INSIDE SLIDE PARTS

S170	Inside Slide Tube - .534" Stocking
S180	Mouthpipe – Venturi
S157	Cork Barrel – Mouthpiece Side
S158	Cork Barrel w/Shank – Bell Side
S159	Slide Lock Ring
S156	Brace Rod
S614	Brace Flange
B655	Finger Ring

OUTSIDE SLIDE PARTS

S171	Outside Slide Tube
B656	Cork Ring – Both
S124	Slide Lock Lug – solders on
S174	Hand Slide Crook with Guard

B657	Crook Guard
S617	Rubber Bumper
S615	Brace Flange – 2 needed
S169	Brace Rod
S175	Waterkey
S177	Waterkey Saddle
S176	Waterkey Screw
A348	Waterkey Spring
S125	Waterkey Nipple
S293	Waterkey Pad – Nylon

BACH MODEL TB200 TROMBONE

.525" Bore – Medium Large Bore Tenor

BELL SECTION PARTS

B676	Bell
B666	Handslide Receiver
S146	Bell Lock Nut
B430	Gooseneck
B232	Front Brace Socket – Receiver Side
B231	Front Brace Socket – Bell Side
B265	Brace Tube for Front or Rear
B230	T.S. Rear Brace Socket – Bell Side
B665	T.S. Brace Tube
B660	Lever
B661	Stop Arm
B662	Threaded Ball – 2 x 56 threads
B664	Connecting Rod

Other Rotor parts same as 50B

Plastic Ball Socket is obsolete

INSIDE SLIDE PARTS

B674	Inside Slide Tube – Either Side - .555" stocking
B203	Venturi
B655	Finger Ring
B667	Cork Barrel – Mouthpiece Side
B668	Cork Barrel with Taper – Bell Side
S159	Slide Lock
S614	Brace Socket – Bell Side
B669	Brace Socket – Mouthpiece Side
B670	Brace Tube

OUTSIDE SLIDE PARTS

B675	Outside Slide Tube
B656	Cork Ring
S124	Lock Lug – solders on
S615	Brace Socket – 2 needed
B672	Brace Rod
B673	Crook Assembly
B657	Crook Guard

Waterkey parts same as Model 1523/TB300

MERCEDES MODEL 836 TROMBONE

BELL SECTION PARTS

B320	Bell – 8" dia
B208	Handslide Receiver

B248	Bell Lock Nut
B215	Tuning Slide Crook
B322	Gooseneck
B212	Balancer
B326	Bell Brace – Front
B327	Bell Brace – Rear
B328	Tuning Slide Brace

INSIDE SLIDE PARTS

B334	Inside Slide Tube - .555" stocking
B335	Venturi – Mouthpipe
B219	Cork Barrel – Bell Side
B222	Cork Barrel – Mouthpiece Side
B244	Bell Shank (taper)
B226	Slide Lock Ring
B336	Brace Tube Only
B288	Cork Barrel Brace – Mouthpiece Side
B289	Cork Barrel Brace – Bell Side

OUTSIDE SLIDE PARTS

B201	Outside Slide Tube
B229	Slide Lock Lug – solders on
B204	Crook w/Guard, Saddle & Nipple
B259	Crook Guard

Waterkey parts same as Model 36

BACH MODEL 36 STRADIVARIUS TROMBONE

.525" Bore – Medium Large Bore Tenor

BELL SECTION PARTS

B202	Bell – 8" diameter
B208	Handslide Receiver
B248	Bell Lock Nut
B246	Gooseneck
B215	Tuning Slide Crook
B212	Balancer
B216	Bell Brace – Front – Complete
B218	Bell Brace – Rear – Complete
B218	Tuning Slide Brace – Complete

INSIDE SLIDE PARTS

B200	Inside Slide Tube - .557" Stocking
B203	Mouthpipe – Venturi
B219	Cork Barrel – Bell Side
B222	Cork Barrel – Mouthpiece Side
B747	Right Angle Brace
B244	Bell Shank (Taper) – Male
B226	Slide Lock Ring
B227	Brace Tube
B288	Cork Barrel Brace – Mouthpiece Side
B289	Cork Barrel Brace – Bell Side

OUTSIDE SLIDE PARTS

B201	Outside Slide Tube
B631	Cork Ring
B625	O.S. Tube Sleeve (Upper) – nickel
B626	O.S. Tube Sleeve (Lower) – nickel
B228	Brace Flange - 2 needed

B284	Brace Tube - only
B229	Slide Lock Lug
B204	Crook w/Guard, Saddle & Nipple
B259	Crook Guard
B242	Rubber Bumper
B206	Waterkey
B207	Waterkey Screw
B236	Waterkey Saddle
B240	Waterkey Spring
B241	Waterkey Nipple
B180	Waterkey Cork

BACH MODEL 42 STRADIVARIUS TROMBONE

.547" Bore – Large Bore Tenor

BELL SECTION PARTS

B245	Bell – 8 1/2" dia. – yellow
B247	Hand Slide Receiver – 1.9" long
B248	Bell Lock Nut
B246	Gooseneck
B212	Balancer
B215	Tuning Slide Crook
B251	Tuning Slide Brace – Complete
B231	Bell Brace – Front Large Flange
B232	Bell Brace – Front Small Flange
B265	Bell Brace – Front Tube Only
B230	Bell Brace – Rear Flange Only
B250	Bell Brace – Rear Tube Only

INSIDE SLIDE PARTS

B210	Inside Slide Tube - .578" Stocking
B213	Mouthpipe – Venturi
B252	Cork Barrel – Bell Side
B253	Cork Barrel – Mouthpiece Side
B747	Right Angle Brace
B255	Slide Lock Ring
B290	Cork Barrel Brace – Bell Side w/Taper (male)
B291	Cork Barrel Brace – Mouthpiece Side
B256	Brace Tube Only

OUTSIDE SLIDE PARTS

B211	Outside Slide Tube
B632	Cork Ring
B627	O.S. Tube Sleeve (Upper) – nickel
B628	O.S. Tube Sleeve (Lower) – nickel
B228	Brace Flange – 2 needed
B284	Brace Tube – only
B229	Slide Lock Lug
B214	Crook w/Guard, Saddle & Nipple
B259	Crook Guard

Waterkey parts same as Model 36

BACH MODEL 42B STRADIVARIUS TROMBONE

BELL SECTION PARTS

B430	Gooseneck
B431	Small F Crook

BACH/BUNDY

B432	Large F Crook
B634	Hand Slide Receiver (2.75" long)

Rotor parts same as Model 50B. Bell, braces and tuning slide parts same as Model 42

INSIDE SLIDE PARTS

Same as Model 42

OUTSIDE SLIDE PARTS

Same as Model 42

BACH MODEL 50B STRADIVARIUS TROMBONE

.562" Bore - Bass

BELL SECTION PARTS

B260	Bell – 9 1/2" diameter – yellow
B263	Handslide Receiver
B248	Bell Lock Nut
B225	Tuning Slide Crook
B261	Small F Crook
B262	Large F Crook
B266	Small Adjustable Brace
B239	Bell to F Section Brace
B231	Front Bell Brace – Bell Side – large
B232	Front Bell Brace – Rec'r Side – small
B265	Front Bell Brace – Tube Only

Old Style F Lever Parts

B267	F Thumb Lever
B269	Lever Spring
B270	Lever Hinge Screw
B271	Lever Saddle
B272	Threaded Ball
B273	Ball Cup
B268	Push Rod – ball on 1 end, threaded on other
B274	Lock Ring – 2 needed
B275	Rotor Stop Arm
B276	Stop Arm Retaining Screw
B277	Threaded Plug

New Style F Lever Parts

B677	F Lever Conversion Kit – Complete
B743	F Lever
B745	Socket Cap Screw (lever side) – 2 x 56 x 1/4"
B740	Socket Cap Screw (stop arm side) – 2 x 56 x 3/8"
B741	Rod End Bearing – Minibal – 2 needed
B744	Linkage Rod
B742	Stop Arm
B746	Rubber Bumper – for cork plate
B278	Cork Stop Plate
B279	Cork Stop Plate Screw – 2 needed
A199	Cork Stop Rubber Bumper – sold in 1ft pc.
B280	Rotor Cap
B433	Back Bearing

INSIDE SLIDE PARTS

B220	Inside Slide Tube - .592" Stocking
B223	Mouthpipe – Venturi
B252	Cork Barrel – Bell Side
B253	Cork Barrel – Mouthpiece Side
B747	Right Angle Brace
B255	Slide Lock Ring
B233	Cork Barrel Brace – Mouthpiece Side
B234	Cork Barrel Brace w/ taper – Bell Side
B284	Brace Tube

OUTSIDE SLIDE PARTS

B221	Outside Slide Tube
B629	O.S. Tube Sleeve (Upper) – nickel
B630	O.S. Tube Sleeve (Lower) – nickel
B633	Cork Ring
B229	Slide Lock Lug – solders on
B224	Crook w/Guard, Saddle & Nipple
B259	Crook Guard
B284	Brace Tube Only
B235	Brace Flange – 2 needed

Waterkey parts same as Model 36

BACH MODEL 887 MARCHING MELLOPHONE (Discontinued 1997)

MOUTHPIPE PARTS

S750	Mouthpipe
S752	Finger Hook
S710	Waterkey Nipple
S756	Waterkey Screw

SLIDE PARTS

S757	Tuning Slide Crook
S758	Eb Tuning Slide Assembly
S759	Upper TS "Rams horn" Crook
S762	1st or 2nd Slide Pull Knob
S764	1st Slide Assembly
S768	3rd Slide Waterkey Nipple

Other waterkey parts same as mouthpipe

VALVE SECTION PARTS

S1052	#1 Piston – Double slot
S1053	#2 Piston – Double slot
S1054	#3 Piston – Double slot
B111	Valve Guide – two sided – nylon
S770	#1 Piston – Single Slot
S772	#3 Piston – Single Slot
S776	Valve Guide – nylon, 2 piece
S704	Top Cap
S774	Bottom Cap
A320	Finger Button
S775	Valve Stem

BRACES

S782	1st, 2nd or 3rd Slide Spacer Brace
S783	Mouthpipe to 3rd Slide Brace

BELL

S784	Bell – 10 1/4" dia
S785	Bell Bow

BACH MODEL 883 MARCHING TROMBONE (Discontinued 1997)

MOUTHPIPE PARTS

S800	Mouthpipe
A151	Mouthpiece Receiver

Finger hook and Waterkey parts same as Mercedes 887 mellophone

SLIDE PARTS

S802	Tuning Slide Crook
S803	Tuning Slide Assembly
S804	1st & 2nd Slide Crook
S805	3rd Slide Crook
S806	1st Slide Assembly
S807	2nd Slide Assembly
S808	3rd Slide Assembly
S809	3rd Return Crook – Large
S810	3rd Return Crook – Small
S830	Slide Pull Knob

VALVE SECTION PARTS

S811	#1 Piston
S812	#2 Piston
S813	#3 Piston
S814	Top Cap
S815	Bottom Cap
A320	Finger Button
A310	Valve Guide
S818	Valve Spring

BRACES

S821	Valve to TS Tube Brace
S822	Mouthpipe to Bell Brace
S823	TS Tube to 2nd Branch Brace
S824	TS Tube to 3rd Branch Brace
S826	1st Branch to 3rd Branch Brace

BELL

S827	Bell – 8" dia
S828	3rd Branch

BACH MODEL 888 MARCHING BARITONE (Discontinued 1997)

MOUTHPIPE PARTS

S850	Mouthpipe
A151	Mouthpiece Receiver

Finger hook and Waterkey parts same as Mercedes 887 mellophone

SLIDE PARTS

S830	Slide Pull Knob
S851	Tuning Slide Crook
S703	1st, 2nd or 3rd Slide Crook
S854	1st Slide Assembly
S855	2nd Slide Assembly
S856	3rd Slide Assembly
S857	3rd Return Crook – Large
S858	3rd Return Crook – Small

VALVE SECTION PARTS

S718	Top Cap
S719	Bottom Cap
S862	Finger Button
A310	Valve Guide

BRACES

S866	Spacer Brace – 5/16" Post
S871	Mouthpipe to Bell Brace – Rod
S873	Mouthpipe to 4th Branch Brace Rod
S874	Bell to 2nd Branch Brace

BELL

S876	Bell – 10" dia
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BUNDY/BACH MODEL 1527 SINGLE FRENCH HORN

(Discontinued 1997)

MOUTHPIPE PARTS

S500	Mouthpipe Assembly
S501	Mouthpipe Brace

VALVE SECTION PARTS

S502	Lever Support Bar
S503	Lever Hinge Screw
S505	#1 Lever
S506	#2 Lever
S507	#3 Lever
S508	Rotor Cap – 1, 2 or 3
S618	Back Bearing – 1, 2 or 3
S510	Cork Plate or Rotor String Screw
S511	Stop Arm Retaining Screw
S619	4th Branch to TS Brace
S620	Bell Brace
S621	Thumb Ring
S622	Finger Hook
S999	1st Branch

BUNDY/BACH MODEL 1566 & 1567 BARITONE HORN

(Discontinued 1997)

(Parts will fit Old/Reynolds
Fullerton, CA instruments also)

MOUTHPIPE PARTS

S700	Mouthpipe
A151	Mouthpiece Receiver
S111	Lyre Holder
S116	Lyre Holder Screw

SLIDE PARTS

S702	TS Crook
S703	1st Lower & 2nd Slide Lower Crook
S705	1st Slide Upper Crook
S706	3rd Slide Lower Crook
S707	3rd Slide Upper Crook
0-10667-4	Outside Slide Tube
S710	TS Waterkey Nipple
S711	3rd Slide Waterkey
S713	Waterkey Screw
S714	1st Slide Assembly – Lac
S715	2nd Slide Assembly – Lac
S716	3rd Upper Slide Assembly – Lac

VALVE SECTION PARTS

A324	Finger Button
S718	Top Cap
S719	Bottom Cap
S720	Valve Stem
A310	Valve Guide
A380	Valve Spring

Pistons (Valves) are no longer available

BRACES

A157	Mouthpiece Receiver to Bell
S725	Brace Socket
G-05628-0	Brace Socket – Small
S729	Brace Rod – Long – cut to fit
S730	Main Bell Stem Brace
S731	1st Slide Brace

OTHER

S732	Bell – Upright
S733	Bell – Front
S734	4th Branch
S735	Bell Stem to Bow Ferrule

BACH MODEL 869 - 3 VALVE & 879 - 4 VALVE BBb TUBA

(Discontinued 1997)

(Parts will fit Olds & Reynolds
Fullerton, CA made instruments also)

MOUTHPIPE PARTS

S900	Mouthpipe Tube
A221	Mouthpiece Receiver
S902	Lyre Holder
A442	Lyre Holder Screw

SLIDE PARTS

S710	Waterkey Nipple
S713	Waterkey Screw
A353	Waterkey Spring
A220	Thumb Ring
S904	Tuning Slide Crook
S905	1st Upper or 3rd Lower Slide Crook
S906	1st Lower Slide Crook or 2nd Slide
S908	4th Slide Crook – 879 Only
S1220	1st Lower Slide Assembly
S1221	2nd Slide Assembly
S1222	3rd Slide Assembly – Upper
S1223	3rd Slide Assembly – Return

VALVE SECTION PARTS

S910	#1 Piston
S911	#2 Piston
S912	#3 or #4 Piston
S917	Valve Stem
S914	Top Cap
S915	Bottom Cap
A310	Valve Guide
A327	Finger Button
A383	Valve Spring

BUNDY/BACH MODEL 1529 SOUSAPHONE

(Discontinued 1997)

MOUTHPIPE PARTS

S150	Upper Mouthpipe – lacquered
S151	Tuning Bit Set – lacquered
S147	Lower Mouthpipe – solders on
A445	Mouthpipe Tension Screw

VALVE SECTION PARTS

S674	#2 Piston
S152	Top Cap
S633	Valve Guide
S634	Valve Stem
S153	Bottom Cap
A327	Finger Button
A220	Thumb Ring

OTHER

S1211	1st Upper Crook – Solders In
S1212	1st Lower Slide Crook
S1213	3rd Lower Slide Crook
S1214	Main Tuning Slide Crook
S1215	Main Tuning Slide Assembly
S1216	4th Branch
S1217	5th Branch
S154	Waterkey
S164	Waterkey Screw
S128	Bell Screw
A213	Bell Screw Flange
S677	Rubber Spacer

Bb TRUMPET PARTS

MOUTHPIPE PARTS

Q120	Mouthpipe Tube – Models 1X, 2X, 2X+, 3X, 3X+, 5X, 6X
Q121	Mouthpipe Tube – Model 4X
Q122	Mouthpipe Assembly – Model CG, 6XM, 7X
Q123	Mouthpiece Rec'r – All Models, 2 1/8" (54mm) long *2 1/2" (63mm) long receiver is no longer available*
Q104	Finger Hook

SLIDE PARTS

Q130	TS Crook – 1X
Q131	TS Crook – 2X, 3X, 4X, 5X
Q132	TS Crook – 2X+, 3X+
Q134	1st, 2nd, 3rd Crook – 1X
Q135	1st, 2nd, 3rd Crook – 2X, 3X, 4X, 5X
Q136	1st, 2nd, 3rd Crook – 2X+, 3X+
Q138	2nd & 3rd Pull Knob – All Models
Q109	1st Slide Thumb Hook – All Models
Q110	1st Slide Trigger Ass'y – All Models
Q142	3rd Slide Stop Rod – 5 x 40 thread
B136-S	3rd Slide Stop Rod Nut
Q144	3rd Slide Stop Rod Post
Q145	3rd Slide Stop Rod Guide
Q146	3rd Finger Ring – solders on

6X/CG SLIDE PARTS

Q170	Main Tuning Slide Assembly
Q171	1st Slide Assembly
Q172	2nd Slide Assembly
Q173	3rd Slide Assembly
Q133	TS Crook 6X, CG

WATERKEY PARTS – ALL MODELS

Q139	Waterkey Tuning Slide
Q112	Waterkey 3rd Slide
Q114	Waterkey Screw
A359	Waterkey Spring
Q141	Waterkey Nipple

Waterkey saddle is no longer available

VALVE SECTION PARTS

ALL MODELS (“LP” = Large Bore)

Q102	Top Cap – Silver
Q103	Bottom Cap – Silver
Q101	Finger Button – Silver
Q101-L	Finger Button – Lacquered
Q105	Valve Guide
Q106	Valve Spring
Q108	Piston Stem

MODELS 1X, 2X, 3X, 4X, 5X

Q151	#1 Piston
Q152	#2 Piston
Q153	#3 Piston

MODELS 2X+, 3X+, 6X, CG

Q154	#1 Piston
Q155	#2 Piston
Q156	#3 Piston

BRACES

Q160	3rd Slide Bar Brace
Q161	Tuning Slide Brace Socket
Q162	Tuning Slide Brace Rod
Q163	Receiver to Bell Brace
Q164	Tuning Slide to Bell Brace
Q165	Valve to Mouthpipe Brace
Q166	Tuning Slide to 3rd Slide

BELLS

Q192	3XX Model
Q193	6XM Model
Q197	90B Model – Silverplate

C & D/Eb TRUMPETS

MOUTHPIPE PARTS

Q207	Mouthpipe Tube – 90C
Q208	Mouthpipe Ass'y – D/Eb trumpet
Mouthpipe Tube for 1C, 2C & 3C are no longer available	

SLIDE PARTS

Q209	Main Tuning Slide Ass'y – 90C
Q210	Tuning Slide Crook – 1C or 2C
Q211	Tuning Slide Crook – 3C
Q134	1st, 2nd & 3rd Slide Crook – 1C, 2C & 3C

Other parts same as Bb Trumpet

VALVE SECTION PARTS

MODEL 1C & 2C
Pistons & Stems same as 1X Bb Trumpet

MODEL 3C
Pistons & Stems same as 2X+ Bb Trumpet

BELL

Q198	3C Model
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CORNET & FLUGELHORN PARTS

8Z CORNET

Q180	Mouthpipe
Q182	2nd Slide Assembly
Q183	3rd Slide Assembly
Q184	Main Tuning Slide Assembly
Q185	Main Tuning Slide Crook
Q187	Bell to Receiver Brace
Q194	Bell – 8Z Model

3FL/5FL FLUGELHORNS

Q201	#1 Piston
Q202	#2 Piston
Q203	#3 Piston
Q204	Curved Bell to Branch Brace
Q205	Right Angle Bell to 3rd Brace
Q206	Bell Branch (3FL)
Q195	Bell – 5FL Model
Q196	Bell – 3FL Model

TROMBONE PARTS

Q190	Bell – 170 Model
Q191	Bell – 165F Model

Repair Tips

FLUX DISPENSER:

Fill a Bench Oiler Bottle (T1777), with Soft Solder Flux (A831). This will allow you to get a small amount of flux into hard to reach places.

TRUMPET KICKOUT RESTORATION:

When you have trouble restoring the kick to trumpet kickout 3rd slides, try this. After cleaning the slides, both inside and inside of the outside and after doing your normal adjustments put a few drops of key oil on the slides. Run each slide separately into its prospective tube. Clean off excess oil. If all this is done correctly your 3rd valve works as smooth as glass.

MODEL B121 CORNET & B125 (Scholastic) TRUMPET (Parts Common to Both)

MOUTHPIPE PARTS

BM119	Mouthpiece Receiver – Cornet
BM100	Mouthpipe – Cornet
BM122	Mouthpiece Receiver – Trumpet
BM123	Mouthpipe – Trumpet
BM124	Finger Hook

WATERKEY PARTS

BM101	Main Tuning Slide Waterkey
BM107	3rd Slide Waterkey
BM102	Waterkey Screw
BM103	Waterkey Spring
BM120	Waterkey Saddle
BM121	Waterkey Nipple
A366	Waterkey Cork

SLIDE PARTS

A113	3rd Slide Push Rod (Finger Ring)
BM104	Slide Crook for 1, 2 or 3
BM105	Main TS Slide Crook – Trumpet
BM106	Main TS Slide Crook – Cornet
BM125	Slide Pull Knob
BM126	Lyre Holder
A443	Lyre Holder Screw

VALVE SECTION PARTS

BM108-1	#1 Piston Cornet
BM108-2	#2 Piston Cornet
BM108-3	#3 Piston Cornet
BM109-1	#1 Piston Trumpet – Plated
BM109-2	#2 Piston Trumpet – Plated
BM109-3	#3 Piston Trumpet – Plated
BM110-1	#1 Piston Trumpet – Monel
BM110-2	#2 Piston Trumpet – Monel
BM110-3	#3 Piston Trumpet – Monel
BM111	Piston Guide – White Delrin
BM112	Piston Stem
A373	Valve Springs
BM114	Finger Button
BM114-S	Finger Button – Silverplate
BM115	Top Cap – serial #'s A & B (40 tpi)
BM170	Top Cap – serial #'s C & D (24 tpi)
BM172	Top Cap – serial #'s "H" (32 tpi)
BM116	Bottom Cap – serial #'s A & B (40 tpi)
BM171	Bottom Cap – serial #'s C & D (24 tpi)
BM173	Bottom Cap – serial #'s "H" (32 tpi)

BRACES

BM150	Receiver to Bell
BM151	Mouthpipe to Valve
BM152	Bell to Valve
BM153	Mouthpipe to Bell
BM154	T.S. Tube to 3rd – Trumpet only
BM158	Mouthpipe to 3rd – Cornet only

BELLS

BM117	Bell – Cornet
BM118	Bell – Trumpet

MODEL B128 TROMBONE

INSIDE SLIDE PARTS

BM130	Inside Slide Tube – .528" stocking
BM129	Brace – Complete
BM142	Venturi
BM131	Slide Lock Ring
BM143	Cork Barrel – Mouthpiece Side
BM144	Cork Barrel – Bell Side
BM145	Brace Socket
BM146	Brace Tube
BM157	Bell Taper – Male

OUTSIDE SLIDE PARTS

BM132	Outside Slide Tube
BM133	Slide Crook
BM147	Slide Crook Guard
A137	Slide Lock Lug
BM134	Waterkey – Only
BM127	Waterkey Saddle
BM135	Waterkey Spring
BM136	Waterkey Screw
BM148	Waterkey Nipple
A366	Waterkey Cork

BELL PARTS

BM140	Brace Socket – Bell Side
BM141	Brace Tube
BM149	Tuning Slide Brace
BM155	Gooseneck
BM137	Bell Lock Nut
BM138	Handslide Receiver – Female
BM139	Tuning Slide Crook
BM156	O.S. Tuning Slide Tubes w/brace

MODEL M100 MARCHING MELLOPHONE

MOUTHPIPE PARTS

BM160	Mouthpipe
BM161	Mouthpiece Receiver

SLIDE PARTS

BM162	#1 Slide Assembly
BM163	#2 Slide Assembly
BM164	#3 Slide Assembly
BM165	Tuning Slide Assembly

VALVE SECTION PARTS

BM166	#1 Piston – Monel
BM167	#2 Piston – Monel
BM168	#3 Piston – Monel

All other parts are the same as the Cornet/Trumpet

BELL PARTS

BM169 Bell
Blessing Sousaphone parts should be the same as OLDS Fullerton, Ca production sousaphone.

How To Use A Pad Oven

Jeff Tellock's saxophone repad article in the Winter 1983-84 issue of the Allied Report mentioned the use of a pad oven to seat the pads. He did not give detailed information regarding this matter which has raised questions. We will try to answer.

The oven itself can be constructed using galvanized steel by any sheet metal shop. We suggest it be sized large enough to hang a baritone saxophone. The heat source should be an electric heating element. The controls should be of an accurate variety and will probably represent the most expensive part of the oven.

Another method to use is three or four infrared light bulbs as a heat source which would eliminate the control cost but they are not very energy efficient. The oven does not need to be insulated because the maximum temperature will not exceed 200°F. Use a low cost oven thermometer to check the temperature.

Saxophone

Wedge the keys down firmly but not enough to compress the key corks to a great degree. If our T1201 saxophone key clamps are used in conjunction with the cork wedges compression of the key corks it will not be a problem and better seating of the pads will result. Twelve clamps are required for the average alto or tenor. Oil the instrument prior to oven baking because the moisture may cause rusting.

Wrap the instrument in a damp towel or cloth sack and place in the oven at 150° to 200°F for 40 to 60 minutes. This is wide range for both temperature and time and can be adjusted to attain the depth of the pad seat you desire.

Allow the instrument to cool completely before removing the wedges and clamps. Then check each pad with the leak light and adjust where necessary which should be minimal.

There are two advantages using a pad oven. A better job and it saves at least 30 minutes per instrument.

Flutes

The same method can be used for flutes if the oven time is reduced to 15 to 25 minutes. The added advantage is that it almost eliminates sticking pads.

Clarinets

We do not recommend baking clarinets because (1) wood clarinets stain the pads, (2) the danger of damage to composition bodies.

The Buescher name was purchased by Selmer in the early '60's. All instruments made after 1963 up until 1997 are the same as Bundy.

Please refer to the Selmer or Bach Sections in this catalog for those parts.

As of 1997 all Buescher instruments are imported from Taiwan. Parts are available directly from Conn-Selmer only.

CORNET & TRUMPET PARTS

F103	Top Cap – Brass, inside thread
F102	Top Cap – Nickel, inside thread
S295	Bottom Cap

MODEL 1022 ALTO SAX PARTS

Same as Model 1242 Bundy

MODEL 1044 TENOR SAX PARTS

Same as Model 1244 Bundy

MODEL 1080A BARITONE SAX PARTS

Same as Model 1256 Bundy

MODEL 803 & 804 FLUTE

All parts same as 1290 Bundy Flute

OLD STYLE BUESCHER PAD SNAPS & STUDS

ARE OBSOLETE

NORTON (THREADED) SPRING SETS

ARE OBSOLETE - See Technical Tip

Fiberglass Repair Techniques

Fiberglass repair, either complete refinishing or play condition patching, is nothing for the technician to fear. A simple step by step procedure, if followed, will provide a good looking, long lasting and profitable repair.

Most fiberglass jobs are make play, "we need it for tomorrow's football game" type repairs.

The most common problem is broken braces or joints. Glued on brace flanges and broken ferrules should be repaired with a quality epoxy like the Armstrong Epoxy shown in this catalog. The "super glues" and fast set up epoxies are too brittle to stand up to the strain sousaphone braces are subject to. Always follow mixing instructions exactly and clean off any old adhesive before using the Armstrong Epoxy.

Olds fiberglass sousaphone braces most often fail when the stud on the fiberglass snaps off. This can be easily repaired by drilling a 3/8" hole, centering on the position of the broken stud, through the flange. Then use an A1627 molly puller and reassemble the brace with an A1626 screw. The A1626 screw must be used because it is machined to replace both the original screw and stud. Remember braces break much easier if they are loose or sloppy.

Another fast fix for braces is the Allied band brace. This brace is available in four sizes to fit almost every fiberglass sousaphone. These clamps are 20 ga. stainless steel and are painted white. Once attached to the fiberglass branch the 5" brass rod supplied can be bent or cut to fit any valve section. These are not ordinary hose clamps and are rated for 150 lbs. of torque.

While the King brace design is more durable than Olds, when they do break they often pull through the fiberglass requiring patching as described later in this article.

For complete refinishing of a fiberglass sousaphone there are many methods, most of which we have tried, but the following is the procedure that works best for us.

The brass valve section is removed and processed through our shop for stripping, dent removal and soldering. When the valve section is ready to buff, it is matched with the fiberglass section for final fitting and brace placement.

It is very important that the valve section attaches to the glass section without any strain or force. If the instrument is "sprung" when it is assembled it will not take much abuse before it pulls itself apart.

Carefully inspect the body for broken joints, cracks or soft spots. Remove all paint and primer, down to bare glass, in any area to be repaired. (Only if the paint is peeling or flaking should you

remove all the paint from the complete section. To strip the paint only use a product called Stryp-EEZE. Any other stripper will eat into the fiberglass.)

We recommend drilling a 1/16" hole into the end of each crack to help stop the crack from spreading.

Any fiberglass repair kit containing resin, hardener and fiberglass cloth or matte, available at any auto supply or discount department store, can be used. We have found that the matte works better than the woven cloth because it conforms better to the shape of the branch.

Mix the resin and hardener exactly to package directions. Saturate the fiberglass matte with the resin mixture and apply to the branch as smooth as possible making sure to remove any air bubbles. Any remaining resin mixture can be brushed over the saturated matte to smooth it out.

Any small imperfections or deep scratches should be filled with DuPont "Spot-n-Glaze" lacquer putty.

After all repairs are made to the section, rough sand with 80 grit sandpaper. At this point the fiberglass section is ready to final fit to the valve section and is ready to paint.

Our experience with fiberglass overhauls have prompted us to refinish all sousaphone bodies with a textured finish. The amount of time required to prepare the body for a smooth finish is too costly.

If you prefer a smooth finish fill all gouges and scratches with "Spot-n-Glaze" and sand with 200 grit paper.

To paint the smooth finish wipe the complete section with liquid sandpaper and prime with DuPont "Centuri", which is a high quality automotive finish.

DuPont products are available from any auto parts store which is a DuPont dealer. Generally DuPont has one distributor per county so you may have to look around your area to find one.

The Ditzler Company also makes high quality products and a Ditzler dealer could tell you which of their products compare with the DuPont items mentioned above.

We don't claim to know everything about fiberglass repair but these methods have evolved from over 25 years of experience and work for us.

The important thing to remember is that fiberglass repair is not hard to do if done one step at a time. It's just messier than HE_ _!

R-13 Bb SOPRANO CLARINET MODEL #1131

BODY PARTS

Contact	Upper Joint
Buffet	Lower Joint
U102	Bell
U101-66	Barrel – 66mm
U101-67	Barrel – 67mm
U700	Upper Bell Ring
U701	Lower Joint Ring
U702	Lower Barrel Ring
U703	Upper Barrel Ring

KEYS

U110	Register Key
U111	C Trill Key
U112	Bb Trill Key
U113	A Key
U114	G# Key
U115	F# Ring Key
U116	Thumb Ring
U117	F#/C# Trill Key
U118	A/D Ring Key (Bridge)
U119	Eb/Bb Trill Key
U120	Eb/Bb Auxiliary Key
U121	C#/G# Key
U122	Lower Ring Key
U123	F/C Lever
U124	B/F# Key
U125	F#/C# Lever
U126	Ab/Eb Key
U127	F/C Key
U128	F#/C# Key
U129	E/B Key
U130	E/B Lever

OTHER PARTS

U103	Pivot Screw
U131	Flat Spring Screw
U132	Thumb Rest Screws
U133	Hinge Rod Set
U134	Adjustable Thumb Rest – Silver
U750	T-Rest Strap Ring Screw – Silver
U753	T-Rest Tightening Screw – Silver
U754	Thumb Rest Slide – Silver
U135	Thumb Tube
U136	Register Tube
U175	Teflon End Pin – for Left Hand Levers
U166	Adjusting Screw
U277	Needle Spring Set
U278	Flat Spring Set
PS205	Pad Set

R-13 Eb SOPRANO CLARINET MODEL #1531

BODY PARTS

U270	One Piece Body
U274	Thumb Tube
U282	Spring Set

R-13 A SOPRANO CLARINET MODEL #1231

BODY PARTS

U240	Upper Joint
U241	Lower Joint
U243-65	Tuning Barrel – 65mm
U243-67	Tuning Barrel – 67mm
U243-68	Tuning Barrel – 68mm

KEYS

U245	C Trill Key
U246	Bb Trill Key
U247	A Key
U248	G# Key
U249	F# Ring Key
U251	F# Trill Key
U255	C#/G# Key
U256	Lower Ring Key
U257	F/C Lever
U258	B/F# Key
U260	Ab/Eb Key
U261	F/C Key
U262	F#/C# Key
U263	E/B Key
U264	E/B Lever

R-13 C SOPRANO CLARINET

BODY PARTS

U290	Upper Joint
U291	Lower Joint
U292	Bell
U293	Tuning Barrel

R-13 D SOPRANO CLARINET

BODY PARTS

U294	One Piece Body Section
U295	Bell
U296	Tuning Barrel

RC Bb SOPRANO CLARINET MODEL #1111

BODY PARTS

U236-67	Tuning Barrel – 67mm
U236-68	Tuning Barrel – 68mm
U135	Thumb Tube

KEYS

U269	A/D Ring Key
U237	Register Key
Other Keys same as R-13 Bb Soprano Clarinet	

RC A SOPRANO CLARINET MODEL #1211

BODY PARTS

U180	Upper Joint
U181	Lower Joint
U182	Bell
U183-65	Tuning Barrel – 65mm
U183-66	Tuning Barrel – 66mm
U183-67	Tuning Barrel – 67mm

KEYS

Same as R-13 A Soprano Clarinet

S-1 Bb SOPRANO CLARINET

BODY PARTS

U170	Upper Joint
U171	Lower Joint
U173-65	Tuning Barrel – 65mm
U173-66	Tuning Barrel – 66mm
U173-67	Tuning Barrel – 67mm
U173-68	Tuning Barrel – 68mm
U135	Thumb Tube

KEYS

U174	A/D Key
U138	F#/C# Key
U139	E/B Key
Other Keys same as R-13 Bb Soprano Clarinet	

S-1 A SOPRANO CLARINET

BODY PARTS

U205	Upper Joint
U206	Lower Joint
U207	Bell
U208-65	Tuning Barrel – 65mm
U208-67	Tuning Barrel – 67mm

KEYS

Same as R-13 A Soprano Clarinet

E–11 Bb CLARINET

BODY PARTS - Grenadilla

U300	Barrel
U302	Bell
U306	Upper Joint
U307	Lower Joint
U704	Upper Bell Ring
U705	Lower Joint Ring
U706	Lower Barrel Ring
U707	Upper Barrel Ring

BUFFET-EVETTE-SCHREIBER

KEYS

U140	Register Key
U141	C Trill Key
U142	Bb Trill Key
U143	A Key
U144	G# Key
U145	F# Ring Key
U146	Thumb Ring
U147	F#/C# Trill Key
U148	A/D Ring Key (Bridge)
U149	Eb/Bb Trill Key
U150	Eb/Bb Auxiliary Key
U151	C#/G# Key
U152	Lower Ring Key
U153	F/C Lever
U154	B/F# Key
U155	E/B Lever
U156	F#/C# Lever
U157	Ab/Eb Key
U158	F/C Key
U159	F#/C# Key
U160	E/B Key

OTHER PARTS

U103	Pivot Screws
U132	Thumb Rest Screws
U166	Adjusting Screws
U131	Spring Screw
U133	Hinge Rod Set
U164	Thumb Tube
U134	Adjustable Thumb Rest – Silver
U750	T-Rest Strap Ring Screw – Silver
U753	T-Rest Tightening Screw – Silver
U754	Thumb Rest Slide – Silver
U281	Flat Spring Set
PS207	Pad Set

B-12 Bb CLARINET

BODY PARTS - Plastic

U301	Barrel
U304	Upper Joint
U305	Lower Joint
U303	Bell
U708	Upper Bell Ring
U709	Lower Joint Ring
U710	Lower Barrel Ring
U711	Upper Barrel Ring

KEYS

U720	Eb/Bb Trill Key
U721	A/D Ring Key (Bridge)
U722	Register Key
U723	C Trill Key
U724	Bb Trill Key
U725	A Key
U726	G# Key
U727	F# Ring Key

U728	Thumb Ring
U729	F#/C# Trill Key
U730	Eb/Bb Auxiliary Key
U731	C#/G# Key
U732	Lower Ring Key
U733	F/C Lever
U734	B/F# Key
U735	F#/C# Lever
U736	Ab/Eb Key
U737	F/C Key
U738	F#/C# Key
U739	E/B Key
U740	E/B Lever

OTHER PARTS

U163	Adjustable Thumb Rest – Nickel
U751	T-Rest Strap Ring Screw – Nickel
U752	T-Rest Tightening Screw – Nickel
U755	Thumb Rest Slide – Nickel
PS207	Pad Set
Other parts same as E-11	

EVETTE by BUFFET STUDENT Bb SOPRANO CLARINETS Old Models

BODY PARTS

U304-G	Upper Joint – Evette – Grenadilla
U410	Bell – Evette – Shiny Plastic

C-12 BUFFET & E-13 EVETTE & SCHAEFFER Bb SOPRANO CLARINET

BODY PARTS

U402	Upper Joint – C-12
U403	Lower Joint – C-12
U407	Lower Joint – E-13
U404	Register Tube

KEYS

U137	F/C Key
U405	B/F# Key
U138	F#/C# Key
U139	E/B Key
All other keys same as R-13 Bb Soprano Clarinet	

E45 EVETTE SOPRANO CLARINET MASTER MODEL & MODEL 2510

BODY PARTS

U168	Upper Joint
U169	Lower Joint
U179-65	Tuning Barrel – 65mm
U179-68	Tuning Barrel – 68mm
U164	Thumb Tube

BUFFET ALTO CLARINET MODEL 1503

U432	Spring Set
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BUFFET CONTRA – ALTO CLARINET

U439	Hinge Rod Screw Set
U440	Spring Set

FLUTE PARTS

All Evette Flutes same as Gemeinhardt Flutes

SAXOPHONE PARTS

BUFFET SOPRANO SAXOPHONE

U420	Hinge Rod Screw Set
U424	Spring Set

BUFFET ALTO SAXOPHONE

U421	Hinge Rod Screw Set
U425	Spring Set
U200	Neck – Complete (High F# Models)
U384	Neck – Complete (No High F#)

BUFFET TENOR SAXOPHONE

U422	Hinge Rod Screw Set
U426	Spring Set

BUFFET BARITONE SAXOPHONE MODEL 2577 “PRESTIGE”

U423	Hinge Rod Screw Set
U427	Spring Set

EVETTE ALTO SAXOPHONE MODEL B-66

Made since 1983 with “ROC” engraved near right thumb hook.

MOUTHPIPE PARTS

U210	Mouthpipe Assembly w/o Key
U213	Mouthpipe Tenon
U321	Octave Key
U322	Octave Key Screw
U298	Octave Key Saddle
A508-S2	Flat Spring for Octave Key

BODY PARTS

U212	Mouthpipe Receiver
U323	Body Assembly
U324	Lyre Holder
U325	Strap Ring
U231	Thumb Hook Holder
U229	Thumb Hook
U230	Thumb Hook Bushing
U225	Thumb Hook Screw

BUFFET, EVETTE AND SCHREIBER

U326	Body to Bow Joint Ring
U327	Bell and Bow Assembly
U328	Bell Brace Post
U329	Bell Brace
U219	Clothes Guard
U218	Eb and Low C Key Guard
U216	Bell Key Guard

KEYS

U330	Lower Octave Key
U331	Octave Thumb Lever
U332	Octave Lever
U333	Octave Shift Lever (Floating)
U334	High F Key
U335	High F Aux Arm
U336	High E Key
U337	High D# Key
U339	C Key
U340	B Key
U341	High F Aux Lever
U342	Side C Key
U228	Side C Key Connecting Rod
U343	Side C Lever
U344	Bb Key
U345	A Key
U346	Side Bb Key
U347	Side Bb Key Joint (Black Plastic)
U348	Side Bb Lever
U349	G Key
U350	G# Key
U351	G# Lever
U352	F# Key
U353	Side F# Key
U354	F Key
U355	E Key
U356	D Key
U357	Eb Key
U359	Low C# Key
U360	Low C# Lever
U361	Low B Key
U362	Low Bb Key

SCREWS

A1691	Neck Screw
U364	Ligature Screws
U221	Pivot Screws
U365	Lyre Screw
U367	Flat Spring Screw – Octave Key
U368	Flat Spring Screw – All Other Keys
U223	Adj. Screw – F# & Low B
U369	Roller Screw – Eb & Low C
U370	Roller Screw – Low B & Low C#
U371	Roller Screw – Low Bb
U222	Body to Bow Joint Ring Screw
U224	Key Guard Adjust Screw
U372	Key Guard Screw (Slot Head)
JP71-C206	Key Guard Screw (Phillips)
U227	Bell Brace Screw – Body Side
U374	Bell Brace Screw – Bell Side
U375	Side Key Guard Screw
U376	G# Lever Screw

OTHER

U377	Body Plug
U379	Roller – Low B & Low C#
U380	Roller – Low Bb
U232	Left Thumb Rest Cover
U381	Key Pearl Set
U382	Needle Spring Set
U383	Key Guard Rubber Stopper

EVETTE TENOR SAXOPHONE MODEL B-70

Made since 1983 with “ROC” engraved near right thumb hook.

MOUTHPIPE PARTS

U211	Mouthpipe Assembly w/o Key
U520	Mouthpipe Tube
U215	Mouthpipe Tenon
U521	Octave Key
U322	Octave Key Screw

BODY PARTS

U214	Mouthpipe Receiver
U522	Body Assembly
U324	Lyre Holder
U523	Strap Ring
U231	Thumb Hook Holder
U229	Thumb Hook Plastic
U230	Thumb Hook Bushing
U225	Thumb Hook Screw
U524	Body to Bow Joint Ring
U525	Bell and Bow Assembly
U328	Bell Brace Post
U526	Bell Brace
U219	Clothes Guard
U220	Eb or Low C Key Guard
U527	Bell Key Guard
A1694	F# Guard

KEYS

U528	Lower Octave Key
U529	Octave Thumb Lever
U530	Octave Lever
U531	Octave Shift Lever (Floating)
U532	High F Key
U533	High F Aux Arm
U534	High E Key
U535	High D# Key
U536	High D Key
U537	C Key
U538	B Key
U539	High F Aux Lever
U540	Side C Key
U228	Side C Key Connecting Rod
U541	Side C Lever
U542	Bb Key
U543	A Key
U544	Side Bb Key
U347	Side Bb Key Joint (Black Plastic)
U545	Side Bb Lever

U546	G Key
U547	G# Key
U548	G# Lever
U549	F# Key
U550	Side F# Key
U551	F Key
U552	E Key
U553	D Key
U554	Eb Key
U555	Low C Key
U556	Low C# Key
U557	Low C# Lever
U558	Low B Key
U559	Low Bb Key

SCREWS

U560	G# Lever Screw
Other screws same as B-66 Alto Saxophone	

OTHER

U561	Body Plug
U562	Left Thumb Rest Cover
U563	Key Pearl Set
U564	Needle Spring Set
Key Guard Bumpers and Key Rollers	
Same as B-66 Alto Saxophone	

SCHREIBER BASSOON

SCHREIBER BASSOON PARTS

Fits All Models

U500	Hand Crutch Holder
U577	Tubing Bow Screw with Insert
U579	Piano Key Lock Assembly
U625	Needle Spring Set
U626	Hinge Rod Screw Set
U627	Roller – Short
U628	Roller – Medium
U629	Roller – Long
U631	Roller Screw – Medium
U800	Oval Whisper Key Pad

SCHREIBER BASSOON KEYS MODELS S-54 & S-56

U582	Low Bb Key
U583	Low B Key
U584	High D Octave Key
U585	Low C Key
U588	A Octave Key
U589	C# Key
U591	Bb Key – Thumb
U592	E Key – Thumb
U593	F# Key – Thumb
U594	Ab Key – Thumb
U601	Bb Key
U603	F# Key
U604	F Key
U610	Low C# Key
U611	Low B Lever

U612	Low D Lever
U613	Low Bb Lever
U614	F Lever
U615	High G Key
U616	Bb Lever
U617	G Lever
U680	Low E Guard

ARTIST MODEL KEYS

U640	Low Bb Key – Bell
U641	Low B Key
U642	High D Octave Key
U643	Low C Key
U645	Low D Key
U646	A Octave Key
U647	C# Key
U649	Bb Key – Thumb
U650	E Key – Thumb
U651	F# Key – Thumb
U652	Ab Thumb Lever
U653	E-F# Key
U654	D-Eb Key
U655	C#-D# Trill Ring
U656	Low Eb Key
U657	Low Db-C# Lever
U659	Bb Key
U660	G Key
U661	F# Key
U662	F Key
U663	Ab Key
U667	C# Key Lever
U668	C#-Db Key
U669	Low B Lever
U670	Low D Lever
U671	Low Bb Lever
U672	F Lever
U673	High G Key
U674	Bb Lever
U675	G Lever
U677	Ab Lever

Soft Soldering

Problems associated with soft soldering are:

- (1) Parts to be soldered are dirty.
- (2) Improper soldering flux or use.
- (3) Too little or too much heat applied.
- (4) Too little or too much solder applied.
- (5) Removal of excess solder.

Probably the biggest problem encountered is not taking the necessary steps to clean the parts. This is true when the original parts is to be resoldered, especially brace flanges. It is best to completely remove the part and clean the surface to be resoldered by the use of a scraper, emery cloth or greaseless composition on a buff wheel. The later is the fastest.

When the part cannot be removed for cleaning, the repeated use of flux then heat will usually clean out the dirt so a satisfactory bond will occur. If a scraper or needle is used, only the extreme exterior will accept solder. The job may look airtight, but little strength in the bond will be achieved.

The parts are sufficiently clean when the solder “runs”. If the solder won’t run, the parts are simply not clean enough or possibly the flux is too weak.

The acid in flux can become diluted with water or contaminants over a period of time. If the flux you are using is suspect, order our A831. The price is nominal and it may increase your soldering ability.

The most heat in a gas torch is generated at the very tip of the flame. If too little heat is applied the solder, of course, won’t melt. If too much heat is applied the flux will boil away and the solder won’t run. Apply the heat primarily to the heaviest part. The thin part will reach soldering temperature through conduction. Of course, a neat solder job cannot be accomplished unless the parts fit. Brace flanges can be easily shaped to the mating part by applying pressure to the flange with a straight burnisher.

The solder joint should not be immediately quenched. Water can be applied near the solder joint to speed cooling. When the solder solidifies, applying water direct will do no harm. A plastic window cleaning bottle or a brush saturated with water are good methods to apply a coolant.

The amount of solder applied comes from experience. A helpful remedy to too much use of solder is to use a small diameter wire. When necessary reduce the diameter even further by stretching it. Simply take a foot or two and rapidly pull it over a vise handle at a 360° angle. When doing very delicate soldering jobs, stretch the solder until it breaks. The ends at the break will be extremely fine. Too much solder cannot be applied if the solder is kept away from the joint.

Excess solder can usually be removed very easily. After the joint has been flushed with water to remove the flux, heat again by applying the tip of the flame next to, not directly on the joint. When the excess solder melts next to the joint, rapidly apply a wiping cloth around your index finger. In instances where excess solder is in an unaccessible area, use a solder wick, such as our T4027. It rapidly absorbs the excess molten solder.

Methods for holding parts together for soft soldering vary. Ordinary bicycle spokes are a good source of material to make U clamps. They come in a variety of sizes and are available in stainless steel. Use 3" lengths and fashion them to the desired width. Small diameter mild steel wire can be used to hold parts together. Our T1748 work holder works very well for soldering cornet and trumpet bells and mouthpipes, also trombones. In any event, the tighter the parts are held together the better the solder job.

Accomplishing a neat solder job on plated or lacquered instruments requires a great deal of expertise. Some tips that may be helpful are:

Tin the parts using a very small amount of solder and apply a very small amount of flux using a brush prior to assembly. Apply heat carefully. Apply heat from the inside of tubing when possible, such as the inside of valve casings when soldering bell or mouthpipe braces on cornets and trumpets. The flux burns lacquer more than the heat. Apply flux sparingly even as little as can be applied using a needle.

Lacquered instruments can be spot lacquered using an artist brush for application after the brilliance has been restored. Silver and nickel plated instruments can be spot plated using our new plating brushes. If you don’t already have our plating brushes order them today. They do an amazing job. They are worth many times their low price. (T4038, T4039)

When soldering waterkey saddles and nipples, assemble waterkey less the spring in the saddle prior to soldering. This will assure proper position between saddle and nipple.

When soldering mouthpiece receiver on mouthpipes, insert mouthpiece in the receiver during the soldering operation to assure proper mouthpiece depth.

Much care must be taken when soldering the main brace of French horn bells. Too much heat will warp the bell. Use a very small flame and take your time on this job.

When excess solder collect on the inside of the slide tube, heat the solder until it melts, insert a swab, allow to cool, then remove swab. The solder will be removed with the swab.

**BUNDY
BRASSWIND INSTRUMENTS**

See BACH

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**BUNDY
WOODWIND INSTRUMENTS**

See SELMER

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CORNET PARTS**VICTOR CORNET – MODELS 5A & 9A**

(Before 1985)

MOUTHPIPE PARTS

C-61718-3	Finger Hook
C-27263-3	Waterkey Saddle
C-28272-3	Waterkey Screw
A353	Waterkey Spring
C-20507-0	Waterkey Nipple

SLIDE PARTS

C-05782-8	Crook - 1, 2, 3 or Tuning
A110	Draw Knob
C-82457-3	Waterkey 3rd Slide
C-20507-0	Waterkey Nipple
C-05952-7	Stop Rod Nut
C-80493-0	Stop Rod End Nut
C-64001-1	Stop Rod
C-20434-7	Stop Rod Holder
C-62465-0	Stop Rod Silencer

VALVE SECTION PARTS

C-81919-3	Finger Button
C-64333-81	#1 Piston
C-64333-82	#2 Piston
C-64333-83	#3 Piston
C-63642-3	Piston Guide Pin
C-63486-5	Piston Stem
C-63664-7	Piston Spring
C-63502-9	Metal Spring Washer – C Clip

BRACES

A107	Mouthpipe to Bell – 3 piece
C-19862-2	Tuning, #1 or #3 Slide Space Brace
C-83099-2	Bell to #2 Valve Casing
C-19863-0	Bell to 1st Slide

**DIRECTOR CORNET – MODELS 15A & 17A
AMERICAN MADE “Sandwich” Valve Guide**

(Before 1985)

MOUTHPIPE PARTS

A116	Mouthpipe
A123	Mouthpiece Receiver
A102	Finger Hook

SLIDE PARTS

C-63844-5	Crook Tuning – 15A or 17A
C-76104-8	Tapered Crook Tuning – 14A
C-23938-6	Crook – Bell Side
A354	Waterkey Spring
C-20507-0	Waterkey Nipple
A110	Draw Knob
A315	Lyre Holder w/screw

A443	Lyre Holder Screw
C-62827-1	In & Out 1st Slide Set
C-47925-3	Molding - #1 Knuckle
C-06565-6	Molding - #2 Knuckle

VALVE SECTION PARTS

C-81919-3	Finger Button
C-40152-3	#1 Piston
C-40153-3	#2 Piston
C-40154-3	#3 Piston
A371	Piston Spring
C-63420-4	Piston Stem
C-63447-7	Guide Plate – Metal

Plastic center plate is obsolete

BRACES

A107	Mouthpipe to Bell – 3 Piece
C-19299-7	3rd Slide to TS

DIRECTOR CORNET – MODEL 16A

(Before 1985)

MOUTHPIPE PARTS

C-82836-8	Mouthpipe Tube
A123	Mouthpiece Receiver
C-61718-3	Finger Hook

SLIDE PARTS

Slide parts same as 18A cornet

VALVE SECTION PARTS

C-83296-62	#2 Piston - .665" dia.
C-83296-63	#3 Piston - .665" dia.
C-83363-2	Bottom Cap
C-83213-9	Finger Button
C-82838-4	Piston Stem
C-63643-1	Spring Retainer
C-63502-9	Spring Retainer “E” Clip
C-63665-4	Spring Barrel
C-83631-2	Piston Spring
C-63642-3	Guide Pin

BRACES

A107	Mouthpipe to Bell – 3 Piece
C-82886-3	Mouthpipe to Bell – Mpipe socket
C-82832-7	Mouthpipe to Bell – Rod
C-82970-5	Lyre Holder & Brace Assembly
Other braces same as 18A cornet	

DIRECTOR CORNET – MODEL 18A**MOUTHPIPE PARTS**

C-82836-8	Mouthpipe Tube
A123	Mouthpiece Receiver
C-61718-3	Finger Hook

SLIDE PARTS

C-83331-9	Tuning Slide Crook
C-82960-6	1st Slide Crook
C-82827-7	2nd or 3rd Slide Crook
C-65861-7	Slide Pull Knob
A113	3rd Slide Rush Rod (Finger Ring)
A315	Lyre Holder w/screw
C-82457-3	3rd Waterkey
C-28272-3	Waterkey Screw
C-20507-0	Waterkey Nipple
A354	Waterkey Spring

VALVE SECTION PARTS

C-83939-91	#1 Piston - .665"
C-83939-92	#2 Piston - .665"
C-83924-1	Piston Stem
C-83631-2	Piston Spring
C-83927-4	Piston Guide
C-83213-9	Finger Button
C-84006-6	Top Cap – 36TPI
C-83363-2	Bottom Cap – 36TPI

BRACES

C-83099-2	Valve to Bell
A122	Valve to Mouthpipe
C-83167-7	Bell to 1st Slide
C-83325-1	Lower Tuning Slide to Valve
C-83166-9	1st or 3rd Slide – Spacer

**DIRECTOR CORNET – MODEL 19A
JAPANESE MADE – (Before 1985)****MOUTHPIPE PARTS**

C-H0000C	Main Tuning Slide
C-A7020C	TS to 3rd Valve Crook
Other parts same as 19B trumpet	

CONNSTELLATION CORNET – MODEL 28A

(Looks like a trumpet) – (Before 1985)

MOUTHPIPE PARTS

C-61718-3	Finger Hook
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SLIDE PARTS

C-09007-6	Crook - #2
C-H1010	Crook – Tuning
C-H0000	Tuning Slide Assembly
C-47242-3	Draw Knob
C-82457-3	Waterkey – 3rd Slide
C-28272-3	Waterkey Screw
A353	Waterkey Spring
C-20507-0	Waterkey Nipple
C-64001-1	Stop Rod 3rd Slide
C-05952-7	Stop Rod Nut
C-80493-0	Stop Rod End Nut
C-20424-8	Stop Rod Guide
C-20434-7	Stop Rod Holder
C-62465-0	Stop Rod Silencer

1ST SLIDE THUMB TRIGGER PARTS

C-80347-8	Trigger
C-62467-6	Trigger Holder
C-28940-5	Trigger Hinge Screw
C-49531-7	Trigger Spring
C-61878-5	Trigger Rod Stud

VALVE SECTION PARTS

C-81092-9	Top Cap
C-81919-3	Finger Button
C-63642-3	Guide Pin
C-63664-7	Spring
C-63665-4	Spring Barrel
C-63641-5	Stem
C-63502-9	Metal Spring Washer – C Clip

BRACES

A107	Mouthpipe to Bell – 3 Piece
C-83099-2	Bell to 2nd Valve Casing

CONNSTELLATION CORNET – MODEL 38A

(Looks like a cornet) – (Before 1985)

MOUTHPIPE PARTS

C-63543-3	Mouthpipe
C-61718-3	Finger Hook
C-28272-3	Waterkey Screw
C-63800-7	Waterkey Nipple
A353	Waterkey Spring

SLIDE PARTS

C-05782-8	Crook – 1, 2 or 3
C-63515-1	In & Out TS Tube Set – Upper
C-63479-0	Rams Horn Connection
C-63480-8	1st Slide Trigger
C-28940-5	Trigger Hinge Rod
C-49531-7	Trigger Spring
C-63782-7	Trigger Connecting Bar
C-64001-1	Stop Rod
C-05952-7	Stop Rod Nut
C-80493-0	Stop Rod End Nut
C-62465-0	Stop Rod Silencer
C-20434-7	Stop Rod Holder
C-20424-8	Stop Rod Guide
C-47242-3	Draw Knob
A113	3rd Slide Push Rod (Finger Ring)
C-82457-3	3rd Slide Waterkey
C-27263-3	Waterkey Saddle
C-28272-3	Waterkey Screw
C-20507-0	Waterkey Nipple

VALVE SECTION PARTS

C-81092-9	Top Cap
C-81093-7	Bottom Cap
C-81919-3	Finger Button
C-80979-8	#1 Piston
C-80980-6	#2 Piston

C-80981-4	#3 Piston
C-63665-4	Piston Spring Barrel
C-63642-3	Piston Guide Pins
C-63664-7	Piston Spring
C-63486-5	Piston Stem
C-63502-9	Metal Spring Washer – C Clip

BRACES

C-81051-5	Mouthpipe to Bell
C-28380-4	Mouthpipe to #1 Valve

CONNQUEST CORNET – MODEL 76A

(Before 1985)

MOUTHPIPE PARTS

C-64337-9	Mouthpipe Tube
C-27263-3	Waterkey Saddle
A354	Waterkey Spring
C-20507-0	Waterkey Nipple
C-61718-3	Finger Hook

SLIDE PARTS

C-05782-8	1st or 3rd Slide Crook
C-47242-3	Draw Knob

VALVE SECTION PARTS

C-81919-3	Finger Button
C-64333-81	#1 Piston
C-64333-82	#2 Piston
C-64333-83	#3 Piston
C-63642-3	Piston Guide Pin
C-63664-7	Piston Spring
C-63486-5	Piston Stem
C-63502-9	Spring Washer – Metal – C Clip
C-63642-3	Guide Pin
C-63643-1	Retaining Clip – Nylon

BRACES

C-19862-2	#1 or #3 Valve Slide – Spacer
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VICTOR CORNET – MODEL 80A

(Before 1985)

MOUTHPIPE PARTS

A123	Mouthpipe Receiver
A116	Mouthpipe Tube
A102	Finger Hook

SLIDE PARTS

C-05781-0	“A” Slide Crook
C-20507-0	“A” Slide Waterkey Nipple
C-27263-3	“A” Slide Waterkey Saddle
C-28272-3	“A” Slide Waterkey Screw
A353	“A” Slide Waterkey Spring
C-05782-8	#1 or #3 Crook
A110	Draw Knob

C-82457-3	3rd Waterkey
C-27263-3	3rd Waterkey Saddle
C-63297-0	Tuning Wheel Assembly
C-40743-7	Socket for Tuning Screws

VALVE SECTION PARTS

C-81919-3	Finger Button
C-63645-51	#1 Piston
C-63645-52	#2 Piston
C-63645-53	#3 Piston
C-21033-6	Piston Stem

BRACES

C-83099-2	Bell to 2nd Valve Casing
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TRUMPET PARTS**VICTOR TRUMPET
MODELS 6B, 10B & 100B**

(Before 1985)

MOUTHPIPE PARTS

C-83191-1	Mouthpiece Receiver
C-61718-3	Finger Hook

SLIDE PARTS

C-82962-2	Main Tuning Slide Ass'y – Less w/key
C-09007-6	Crook - #2
C-47242-3	Draw Knob
C-82457-3	3rd Waterkey
C-20507-0	Waterkey Nipple
C-28272-3	Waterkey Screw
A353	Waterkey Spring
A113	3rd Slide Push Rod (Finger Ring)
C-64936-8	In & Out Slides – Lower

VALVE SECTION PARTS

C-81092-9	Top Cap
C-81093-7	Bottom Cap
C-81919-3	Finger Button
C-63646-41	#1 Piston
C-63646-42	#2 Piston
C-63646-43	#3 Piston
C-63641-5	Piston Stem
C-63665-4	Spring Barrel
C-63664-7	Piston Spring
C-63502-9	Spring Washer – C Clip
C-63642-3	Piston Guide Pin
C-63643-1	Retaining Clip

BRACES

C-81051-5	Mouthpipe to Bell Brace Socket
C-83099-2	Bell to 2nd Valve Casing

BELL

C-62384-3	Bell – 6B
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DIRECTOR TRUMPET – MODELS 15B & 17B

AMERICAN MADE (Before 1985)

MOUTHIPIPE PARTS

A116	Mouthpipe
A115	Mouthpiece Receiver
A102	Finger Hook

SLIDE PARTS

A117	Tuning Slide Crook
A104	Crook – 1, 2 or 3
C-63866-8	In & Out TS Tubes – Upper
C-62835-4	In & Out 1st Slide Tubes
C-62836-2	In & Out 2nd Slide Tubes
C-63029-3	In & Out 3rd Slide Tubes
C-29263-3	Waterkey Saddle
C-20507-0	Waterkey Nipple
A354	Waterkey Spring
A113	3rd Slide Push Rod (Finger Ring)
A110	Draw Knob
C-63013-0	Finger Ring Holder

VALVE SECTION PARTS

C-81919-3	Finger Button
C-63419-6	Piston Stem
A370	Piston Spring
C-63447-7	Guide Plate – Metal

Plastic center plate is obsolete

BRACES

A107	Mouthpipe to Bell – 3 piece
C-19863-0	#1 Slide to Bell

DIRECTOR TRUMPET – MODEL 16B

(Before 1985)

MOUTHIPIPE PARTS

C-82874-9	Mouthpipe
C-82755-0	Mouthpiece Receiver
C-61718-3	Finger Hook

SLIDE PARTS

C-83129-7	Main Tuning Slide Crook
C-82960-6	Crook - #1
C-82827-7	Crook - #2 or #3
C-82457-3	3rd Waterkey
C-27263-3	Waterkey Saddle
C-20507-0	Waterkey Nipple
C-28272-3	Waterkey Screw
A354	Waterkey Spring
C-65861-7	Pull Knob
A113	3rd Slide Push Rod (Finger Ring)
C-63013-0	Finger Ring Holder
C-82970-5	Lyre Holder & Brace Assembly

VALVE SECTION PARTS

Same as 16A cornet

BRACES

C-83099-2	Bell to Valve Casing
A122	Mouthpipe to Valve Casing
C-82884-8	Brace Socket – Receiver or TS
C-82873-1	Brace Rod – Tuning Slide
C-82872-3	Brace Rod – Bell to Receiver
C-82871-5	Brace Rod – Bell to TS
A107	Receiver to Bell Brace – 3 piece

DIRECTOR TRUMPET – MODEL 18B

AMERICAN MADE (Before 1985)

MOUTHIPIPE PARTS

C-83962-1	Mouthpipe
Other parts same as 16B trumpet	

SLIDE PARTS

Same as 16B trumpet

VALVE SECTION PARTS

Same as 18A cornet

BRACES

C-83166-9	Slide Brace – Spacer
C-82884-8	Tuning Slide Brace Socket
C-82873-1	Tuning Slide Brace Rod

DIRECTOR TRUMPET – MODEL 19B

JAPANESE MADE (Before 1985)

MOUTHIPIPE PARTS

A116	Mouthpipe
A115	Receiver
A102	Finger Hook

SLIDE PARTS

C-H1010	Tuning Slide Crook
C-H0000	Tuning Slide Ass'y – Less Waterkey
C-E0000	1st Slide Assembly
C-G0000	3rd Slide Ass'y – Less Waterkey
A113	3rd Slide Push Rod (Finger Ring)

VALVE SECTION PARTS

C-Z1030	Bottom Cap
C-P1000	#1 Piston
C-P2000	#2 Piston
C-P3000	#3 Piston
C-83924-1	Valve Stem
C-83927-4	Valve Guide

VICTOR TRUMPET – MODEL 22B

(Before 1985)

MOUTHIPIPE PARTS

A115	Mouthpiece Receiver
A116	Mouthpipe Tube
A102	Finger Hook

SLIDE PARTS

A117	Main Tuning Slide Crook
C-09007-6	Crook – 1, 2 or 3
C-82457-3	3rd Slide Waterkey
C-20507-0	Waterkey Nipple
C-28272-3	Waterkey Screw
A353	Waterkey Spring
A110	Draw Knob
A113	3rd Slide Push Rod (Finger Ring)

VALVE SECTION PARTS

C-81919-3	Finger Button
C-63644-91	#1 Piston
C-63644-92	#2 Piston
C-63644-93	#3 Piston

BRACES

A107	Mouthpipe to Bell – 3 Piece
C-83099-2	Bell to 2nd Valve Casing
A122	Mouthpipe to 2nd Valve Casing

CONNSTELLATION TRUMPET

MODELS 36B & 38B

(Before 1985)

MOUTHIPIPE PARTS

A116	Mouthpipe
C-83191-1	Mouthpiece Receiver
A102	Finger Hook

SLIDE PARTS

C-69704-5	1st Slide Assembly
C-69709-4	2nd Slide Assembly
C-69714-4	3rd Slide Assembly
A104	1st or 3rd Slide Crook
C-09007-6	2nd Slide Crook
A110	Draw Knob
C-82457-3	3rd Slide Waterkey
C-28272-3	Waterkey Screw
A353	Waterkey Spring
C-20507-0	Waterkey Nipple
C-80347-8	1st Slide Thumb Trigger
C-81089-5	Thumb Trigger Saddle
C-28940-5	Trigger Hinge Screw
C-49531-7	Trigger Spring
C-80341-1	Trigger Conn Rod
C-61878-5	Trigger Rod Stud
C-81098-6	3rd Slide Stop Rod – threaded on both ends
C-80493-0	Stop Rod End Nut
C-05952-7	Stop Rod Nut
C-62465-0	Stop Rod Silencers – Rubber
C-20434-7	Stop Rod Holder – threaded
A113	3rd Slide Push Rod (Finger Ring)
C-63013-0	Lyre Holder

VALVE SECTION PARTS

C-81092-9	Top Cap
C-81093-7	Bottom Cap

C-81919-3	Finger Button
C-63642-3	Piston Guide Pin
C-63664-7	Piston Spring
C-63665-4	Piston Spring Barrel
C-63641-5	Piston Stem
C-63502-9	Spring Washer – Metal – C Clip

BRACES

A107	Mouthpipe to Bell – 3 Piece
C-83099-2	Bell to 2nd Valve Casing
A122	Mouthpipe to Valve Casing
A143	Brace Socket – Bell or TS
C-81051-5	Brace Socket – Bell to Mpipe or TS to Bell

BELL

C-62384-3	Bell – Engraved “Victor” – 38B
C-64641-4	Bell – Engraved “Connstellation” – 36B

MODEL 22B TRUMPET

See King 601 Trumpet (After serial #491500)

MODELS 18B & 20B TRUMPET

(Made approximately from 1985 to 1995)

MOUTHPIPE PARTS

C-83962-1	Mouthpipe Tube
C-82755-0	Mouthpiece Receiver
C-61718-3	Finger Hook

SLIDE PARTS

C-83466-0	1st Slide Assembly
C-83461-0	3rd Slide Assembly
C-82960-6	1st Slide Crook
C-82827-7	2nd or 3rd Slide Crook
C-83129-7	Main Tuning Slide Crook
C-63013-0	Lyre Holder
C-80498-9	Lyre Holder Screw
C-27261-0	Waterkey Saddle – 3rd Slide
C-28273-0	Waterkey Screw
A355	Waterkey Spring
C-20507-0	Waterkey Nipple
C-81922-0	3rd Slide Push Rod
C-65861-7	Slide Pull Knob

VALVE SECTION PARTS

C-84006-6	Top Cap
C-83363-2	Bottom Cap
C-83270-0	Finger Button – No Pearl
C-83981-0	#1 Piston - .665"
C-83982-0	#2 Piston - .665"
C-83983-0	#3 Piston - .665"
C-83927-4	Valve Guide
C-83631-2	Valve Spring
C-83924-1	Valve Stem

BRACES

C-83471-0	Main Tuning Slide to Bell
A122	Mouthpipe to 2nd Valve

C-83099-2	Bell to 2nd Valve
C-83166-9	1st or 3rd Slide Spacer or 3rd Slide to Lower T.S. Tube
C-83167-7	Bell to 1st Slide
C-82884-8	Main Tuning Slide Brace Socket
C-82873-1	Main Tuning Slide Brace Rod

BELL

C-83969-0	Bell – For 20B or 100B
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MODEL 100B TRUMPET

(Made approximately from 1985 to 1995)

MOUTHPIPE PARTS

Same as 18B & 20B trumpet

SLIDE PARTS

C-84436-0	1st Slide Assembly
C-84447-0	3rd Slide Assembly
C-84451-0	Main Tuning Slide Assembly
C-28273-0	Waterkey Screw
All other parts same as 18B & 20B trumpet	

VALVE SECTION PARTS

C-83452-0	Top Cap
C-83453-0	Bottom Cap
C-83213-9	Finger Button
All other parts same as 1000B trumpet	

BRACES

Same as 18B & 20B trumpet

MODEL 1000B TRUMPET

(Made approximately from 1985 to 1995)

MOUTHPIPE PARTS

Same as 18B & 20B trumpet

SLIDE PARTS

C-83436-0	1st Slide Assembly
C-83447-0	3rd Slide Assembly
C-83448-0	3rd Stop Rod Bracket Threaded
C-83456-0	3rd Stop Rod Guide
C-83502-0	3rd Slide Stop Rod
C-83501-0	3rd Slide Stop Nut
All other parts same as 18B & 20B trumpet	

VALVE SECTION PARTS

C-83871-0	#1 Piston
C-83872-0	#2 Piston
C-83873-0	#3 Piston
All other parts same as 18B & 20B trumpet	

BRACES

Same as 18B & 20B trumpet

MISC. CONN TRUMPET BELLS

C-30330	Bell – 80B
C-65845-0	Bell – 60B/61B – Not Engraved

TROMBONE PARTS**6H ARTIST TROMBONE****BELL SECTION PARTS**

C-62686-1	Bell – Brass (8")
C-30203	Tuning Slide Assembly
C-67013-3	Tuning Slide Crook
C-63742-1	Gooseneck
C-06837-9	Hand Slide Receiver – Female
C-06839-5	Bell Lock Nut
C-103AC	Balancer Complete
C-61978-3	Balancer Screw
C-68918-2	Brace Tube – Bell to Receiver
C-68936-4	Brace Tube – Tuning Slide

INSIDE SLIDE PARTS

C-06914-6	Inside Slide Tube - .530" stocking
C-06917-9	Mouthpipe – Venturi
C-68967-9	Lock & Hook Ring Ass'y – external threads
C-82640-4	Cork Barrel – Mouthpiece side
C-47582-2	Cork Barrel with Taper – Bell side
C-83621-3	Brace Socket
C-68974-5	Brace Tube

OUTSIDE SLIDE PARTS

(2 different slide tubes are available for this horn)

C-47755-4	Outside Slide Tube – w/stocking
C-09565-3	Outside Slide Tube needs sleeve
C-21193-8	Outside Slide Sleeve – nickel w/ socket
C-68961-2	Brace Tube
C-06746-2	Slide Lock Lug – solders on
A139	Hand Slide Crook
C-69877-9	Crook Guard
C-65802-1	Bumper Tip
C-06919-5	Ferrule
C-64654-7	Waterkey
C-63282-8	Waterkey Saddle
A348	Waterkey Spring
C-69047-9	Waterkey Screw
C-23579-6	Waterkey Nipple

8H SYMPHONY TROMBONE**BELL SECTION PARTS**

C-06083-0	Bell – Brass (8 1/2")
C-06126-7	Crook – Tuning Slide
C-21186-2	Front Brace Tube
C-23558-0	Front Brace Socket – Bell Side
C-06278-6	Gooseneck
C-06962-5	Hand Slide Receiver Ass'y – Female
C-06964-1	Bell Lock Nut
C-103AC	Balancer Complete
C-61978-3	Balancer Screw

INSIDE SLIDE PARTS

C-06975-7	Inside Slide - .580" Stocking
C-64200-9	Mouthpipe – Venturi
C-66176-9	Bumper Spring
C-19163-5	Brace Tube
C-06969-0	Sleeve & Brace Socket – Lower
C-63356-0	Lock Ring & Hook Assembly
C-06963-3	Bell Taper – Male
C-63354-5	Upper Spring Barrel – threaded
C-08531-6	Lower Spring Barrel

OUTSIDE SLIDE PARTS

C-08083-8	Outside Slide Tube
C-06966-6	Outside Slide Sleeve
C-08080-4	Crook
C-69877-9	Bumper Guard Assembly
C-65802-1	Rubber Bumper Tip
C-06988-0	Connection Ring (Ferrule)
C-29356-3	Brace Socket
C-62656-4	Brace Tube
C-06746-2	Slide Lock Lug – solders on
C-64654-7	Waterkey
C-63282-8	Waterkey Saddle
A348	Waterkey Spring
C-69047-9	Waterkey Screw
C-23579-6	Waterkey Nipple

DIRECTOR TROMBONE MODELS 14H & 17H

(Before 1985)

BELL SECTION PARTS

C-67013-3	Tuning Slide Crook
A127	Gooseneck
C-08381-6	Hand Slide Receiver – Female
C-13301-7	Bell Lock Nut
C-103AC	Balancer Complete
C-61978-3	Balancer Screw
C-61900-7	Brace Socket – Bell Side (lg)
C-68999-2	Brace Socket – Small TS & Slide Rec'r
C-61738-1	Brace Tube – Bell
C-13305-8	Brace Tube – Tuning Slide

INSIDE SLIDE PARTS

A133	Inside Slide Tube - .522" Stocking
A138	Mouthpipe – Venturi
C-61725-8	Lock Ring & Hook Assembly
C-61733-2	Brace Tube

OUTSIDE SLIDE PARTS

A134	Outside Slide Tube
C-61899-1	Bracket Socket
C-61736-5	Brace Tube
A137	Slide Lock Lug – solders on
A139	Hand Slide Crook
C-69877-9	Bumper Guard Assembly
C-65802-1	Rubber Bumper Tip
C-64654-7	Waterkey
C-68747-5	Waterkey Saddle & Nipple
A348	Waterkey Spring
C-69047-9	Waterkey Screw

DIRECTOR TROMBONE MODELS 16H & 18H

(Before to 1986)

BELL SECTION PARTS

C-62686-1	Bell – Brass (7 1/2") not engraved
C-67010-0	Main Tuning Slide Assembly
C-67013-3	Tuning Slide Crook
C-65213-1	T.S. Small Outside Tube
C-07228-0	T.S. Large Outside Tube
A127	Gooseneck
C-30019	Hand Slide Receiver Ass'y (after '86)
C-08381-6	Hand Slide Receiver (before '86)
C-13301-7	Bell Lock Nut
C-103AC	Balancer
C-61978-3	Balancer Screw
C-61900-7	Brace Socket – Bell Side
C-61738-1	Brace Tube – Front Brace
C-13305-8	Brace Rod
C-83622-1	Brace Socket – TS – Large
C-13305-8	Brace Rod – TS

INSIDE SLIDE PARTS

C-83082-8	Inside Slide Tube - .529" Stocking
C-06917-9	Mouthpipe – Venturi
C-82640-4	Cork Barrel – Mouthpiece Side
C-61725-8	Lock Ring & Hook Assembly
C-61733-2	Brace Tube
C-83621-3	Brace Socket

OUTSIDE SLIDE PARTS

C-83055-4	Outside Slide Tube
C-62773-7	Crook – brass
C-69877-9	Crook Guard
A137	Slide Lock Lug
C-65802-1	Rubber Bumper Tip
C-61899-1	Brace Socket
C-61736-5	Brace Tube

Waterkey parts same as 14H & 17H

48H CONNSTELLATION TROMBONE

BELL SECTION PARTS

C-62686-1	Bell - (8") not engraved
C-63742-1	Gooseneck
C-81884-9	Main Tuning Slide Assembly
C-67013-3	Crook
C-62685-3	Brace Socket – Large TS
C-103AC	Balancer Complete
C-61978-3	Balancer Screw
C-13301-7	Lock Nut

INSIDE SLIDE PARTS

C-06914-6	Inside Slide Tube - .530" Stocking
C-06917-9	Mouthpipe – Venturi
C-47764-6	Cork Barrel Assembly – Upper
C-61944-5	Cork Barrel & Brace Ass'y – Lower
C-61677-1	Brace Tube

OUTSIDE SLIDE PARTS

C-47755-4	Outside Slide Tube – w/ stocking
C-09565-3	Outside Slide Tube – w/out stocking
C-47770-3	Brace Socket
C-62704-2	Brace Tube
C-68940-6	Crook – nickel
C-06746-2	Slide Lock Lug – solders on
C-65802-1	Bumper Tip
C-64654-7	Waterkey
C-63282-8	Waterkey Saddle
C-69047-9	Waterkey Screw
A348	Waterkey Spring
C-23579-6	Waterkey Nipple

50H DIRECTOR ROTOR TROMBONE

BELL SECTION PARTS

C-65943-3	Bell (8 1/2")
C-67013-3	Tuning Slide Crook
C-81908-6	Main Tuning Slide Assembly
C-81415-2	F Tuning Crook
C-81909-4	F Tuning Slide Assembly
C-65944-1	Gooseneck
C-67898-7	Trigger – uses string
C-65941-7	Trigger Saddle
C-61578-1	Trigger Hinge Screw
C-67883-9	Trigger Spring
C-22207-5	Trigger String Screw – 2 needed
A191	Cork Stop Plate
C-28351-5	Cork Stop Plate Screw
C-81084-6	Rotor Stop Arm
A193	Stop Arm Retaining Screw
C-65948-2	Valve Cap
C-66117-3	Back Bearing
C-83201-4	Rotor
C-65945-8	F Branch

Handslide Receivers

Before 1985

C-65939-1	Handslide Receiver Assembly
C-66075-3	Lock Nut

After 1985

C-30119	Handslide Receiver Assembly
C-30060	Brace Socket – Bell Side
C-80138	Bell Brace Tube

INSIDE SLIDE PARTS

C-65962-3	Inside Slide Tube - .554" Stocking
C-67911-8	Mouthpipe – Venturi
C-67912-0	Mouthpiece Receiver
C-82800-4	Upper Cork Barrel – Mouthpiece Side
C-65952-4	Lower Cork Barrel w/ Taper
C-65951-6	Slide Lock Nut & Hook
C-83621-3	Brace Socket
C-61733-2	Brace Tube

OUTSIDE SLIDE PARTS

C-65961-5	Outside Slide Tube
C-65957-3	Slide Sleeve
C-65959-9	Crook Assembly – brass
C-65958-1	Ferrule

C-61734-0	Brace Tube
C-83620-5	Brace Socket
C-06746-2	Slide Lock Lug – solders on
C-64654-7	Waterkey
C-68747-5	Waterkey Saddle & Nipple Ass'y
C-69047-9	Waterkey Screw
C-69877-9	Bumper Guard
C-65802-1	Rubber Bumper Tip

72H ARTIST SYMPHONY BASS TROMBONE

BELL SECTION PARTS

C-21832-1	Crook – F Tuning
C-61586-4	Gooseneck
C-06964-1	Bell Lock Nut
C-06769-4	Brace Socket – Bell
C-67898-7	Trigger – uses string
C-08199-2	Trigger Saddle
C-61578-1	Trigger Hinge Screw
C-67883-9	Trigger Spring
C-22207-5	Trigger String Screw
C-22784-4	Cork Stop Plate
C-22217-4	Cork Stop Plate Screw
C-81084-6	Rotor Stop Arm
A193	Stop Arm Retaining Screw
C-23405-4	Valve Cap
C-66117-3	Back Bearing

INSIDE SLIDE PARTS

C-08526-6	Inside Slide Tube - .596" Stocking
C-63758-7	Spring Barrel – Lower
C-63757-9	Spring Barrel – Upper
C-63356-0	Lock Nut & Hook Assembly
C-08530-8	Bumper Rings

OUTSIDE SLIDE PARTS

C-08520-9	Outside Slide Tube
C-61579-9	Slide Sleeve
C-21854-5	Crook – nickel
C-08550-6	Ferrules – Crook
C-69877-9	Bumper Guard
C-65802-1	Rubber Bumper Tip
C-29356-3	Socket Assembly
C-62656-4	Brace Tube
C-06746-2	Slide Lock Lug – solders on
C-64654-7	Waterkey
A348	Waterkey Spring
C-69047-9	Waterkey Screw
C-63282-8	Waterkey Saddle
C-23579-6	Waterkey Nipple

77H CONNQUEST TROMBONE

BELL SECTION PARTS

C-67013-3	Tuning Slide Crook
C-63742-1	Gooseneck
C-06837-9	Hand Slide Receiver – Female
C-06839-5	Bell Lock Nut
C-103AC	Balancer Complete

C-61978-3	Balancer Screw
C-61900-7	Brace Socket – Bell Side
C-61899-1	Brace Socket – Bell Receiver
C-61738-1	Brace Tube – Bell
C-12092-3	Brace Socket – Large TS
C-13305-8	Brace Tube – Tuning Slide

INSIDE SLIDE PARTS

C-06914-6	Inside Slide Tube - .530" Stocking
C-06917-9	Mouthpipe – Venturi
C-21197-4	Cork Barrel – Mouthpiece Side
C-61725-8	Slide Lock & Hook Assembly
C-61899-1	Brace Socket
C-61733-2	Brace Tube

OUTSIDE SLIDE PARTS

C-83055-4	Outside Slide Tube
C-21193-8	Slide Sleeve
C-06746-2	Slide Lock Lug – solders on
C-62773-7	Crook – brass
C-06919-5	Ferrule
C-61736-5	Brace Tube
C-68747-5	Waterkey Saddle
A352	Waterkey Spring
C-69047-9	Waterkey Screw
C-23579-6	Waterkey Nipple

78H ARTIST TROMBONE

BELL SECTION PARTS

C-06082-2	Bell – Engraved (8")
C-20810-8	Tuning Slide Crook
C-103AC	Balancer Complete
C-61978-3	Balancer Screw
C-06982-3	Brace Socket & Ring – Bell Rear
C-21186-2	Brace Tube - Bell or Tuning Slide
C-08442-6	Hand Slide Receiver – Female
C-06964-1	Bell Lock Nut
C-82795-6	Gooseneck

INSIDE SLIDE PARTS

K608	Inside Slide Tube - .554" Stocking
C-67911-8	Mouthpipe – Venturi
C-26925-8	Slide Lock Ring and Hook
C-11899-2	Cork Barrel – mouthpiece side

OUTSIDE PARTS

C-08163-8	Outside Slide Tube
C-06746-2	Slide Lock Lug
C-29356-3	Brace Socket
C-08681-9	Handslide Crook Assembly
C-69877-9	Bow Guard
C-65802-1	Rubber Bumper Tip
C-64654-7	Waterkey
C-63282-8	Waterkey Saddle
A348	Waterkey Spring
C-69047-9	Waterkey Screw
C-23579-6	Waterkey Nipple

88H ARTIST SYMPHONY TROMBONE (HAS SPRINGS IN CORK BARREL)

BELL SECTION PARTS

C-06083-0	Bell (8 1/2") – Yellow Brass
C-06126-7	Crook – Main Tuning
C-82769-1	Gooseneck
C-06970-1	Hand Slide Receiver Ass'y – Female
C-06964-1	Bell Lock Nut
C-06769-4	Front Brace Socket – Bell Brace
C-20883-5	Brace Tube – Bell
C-06759-5	Brace Socket – Large TS
C-06760-3	Brace Socket – Small TS
C-20886-8	Brace Tube – Tuning Slide
C-49637-2	Elbow (Small) Offset
C-49637-2	Small Coil Tube – Offset Small
C-49636-4	Large Coil Tube
C-49638-0	Large Coil Crook
C-08160-4	Small Coil Crook
C-08159-6	Crook "F"

Old Style Lever Parts

C-67898-7	Trigger – uses string
C-08199-2	Trigger Holder
C-67883-9	Trigger Spring
C-61578-1	Trigger Screw – Hinge
C-22207-5	Trigger String Screw
A191	Cork Stop Plate
A192	Cork Stop Plate Screw
A194	Stop Arm String Screw
A193	Stop Arm Retaining Screw
C-66117-3	Back Bearing – Rotor
C-23405-4	Valve Cap
C-81084-6	Rotor Stop Arm

New Style Lever Parts

C-30667	Lever
C-30659	Lever Spatula
C-03067-6	Spatula Set Screw
C-30668	Lever Spring
C-08056	Lever Screw
C-30888	Linkage Rod
C-08125	Minibal
C-08126	Minibal Screw
C-28351-5	Stop Plate Screw
C-80830	Stop Arm Retaining Screw
C-30697	Stop Arm
C-81082-0	Cork Stop Plate
A200	3/16" Rubber Stop – 1ft pc

SLIDE SECTION PARTS Same as Model 8H

100H TENOR TROMBONES

BELL SECTION PARTS

C-84409-2	Bell
C-67013-3	Tuning Slide Crook

C-63742-1	Gooseneck
C-06837-9	Hand Slide Receiver – Female
C-06839-5	Bell Lock Nut
C-84113-0	Balancer

INSIDE SLIDE PARTS

C-84087-6	Inside Slide Tube - .530" Stockings
C-84081-9	Mouthpipe #1
C-84082-7	Mouthpipe #2
C-84083-5	Mouthpipe #3
C-82640-4	Cork Barrel – Upper
C-47582-2	Cork Barrel – Lower with Taper
C-68967-9	Slide Lock Ring
C-84101-5	Tube Plug

OUTSIDE SLIDE PARTS

C-84296-3	Outside Slide Tube
C-06746-2	Slide Lock Lug – solders on
C-68940-6	Crook – nickel
C-69877-9	Bumper Guard Assembly
C-84088-4	Brace Socket – Lower
C-84089-2	Brace Socket – Upper
C-84098-3	Brace Tube
C-64654-7	Waterkey
C-63282-8	Waterkey Saddle
C-69047-9	Waterkey Screw
C-23579-6	Waterkey Nipple

5G VALVE TROMBONE

(Before 1985)

MOUTHIPIE PARTS

C-06369-3	Mouthpipe Receiver Ferrule
C-61718-3	Finger Hook

SLIDE PARTS

(All crooks are obsolete)

C-47242-3	Pull Knob
C-64654-7	Waterkey
C-68747-5	Waterkey Saddle and Nipple Ass'y
C-69047-9	Waterkey Screw

VALVE SECTION PARTS

C-63004-61	#1 Piston
C-63004-62	#2 Piston
C-63004-63	#3 Piston
C-63494-9	Bottom Cap
C-45428-0	Finger Button
C-62971-7	Valve Stem
C-05559-0	Valve Guide
C-62808-1	Bell Taper – Male

VALVE SECTION BRACES

C-01603-0	Slide Tube Spacer
C-81051-5	Brace Socket - Multi Use

BELL SECTION PARTS

Same as 6H Trombone

FRENCH HORN PARTS

4D SINGLE FRENCH HORN

(2 MAIN TUNING SLIDES w/NICKEL and BRASS PARTS)

MOUTHIPIE PARTS

C-61519-5	Mouthpipe Complete w/ rec'r
C-26046-3	Mouthpipe Tube Only
A171	Mouthpiece Receiver Complete
A186	Mouthpipe Guard Molding

SLIDE PARTS

A175	#1 Slide Crook
A104	#2 Slide Crook
A190	#2 Slide Pull Ring
A177	#3 Slide Crook
C-19847-3	"F" Slide Assembly
C-26061-2	Water Slide Crook

VALVE SECTION PARTS

C-83173-5	#1 Finger Key
C-83174-3	#2 Finger Key
C-83175-0	#3 Finger Key
C-81084-6	Stop Arm – 1, 2 or 3
C-83025-7	Back Bearing
C-22783-5	Valve Cap
A191	Cork Stop Plate
A192	Cork Stop Plate Screw
A193	Stop Arm Retaining Screw
A194	Stop Arm String Screw
A195	Finger Key Hinge Rod
A197	Finger Key Hinge Rod Nut
A196	Finger Key String Screw
A188	Finger Key Spring

BRACES

C-05435-3	Bell to 1st Branch
C-05438-7	Mouthpipe to Bell
A184	1st or 3rd Slide Spacer
C-26511-6	Valve Slide – Flange to Flange (Nickel)
C-49826-1	1st Branch to Main Tuning

BODY SECTION PARTS

C-82522-4	Finger Hook
C-08884-6	Bell to 1st Branch Ferrule (Nickel)
C-18551-2	1st Branch
C-26060-4	2nd Branch
C-26059-6	4th Branch w/Lyre Holder
C-65740-3	5th Branch
C-08873-2	6th Branch
A187	Thumb Hook
A185	Bell Cap
C-22754-6	Bell

14D DIRECTOR SINGLE FRENCH HORN

(ALL BRASS and ONE MAIN TUNING SLIDE)

MOUTHIPIE PARTS

C-80974-9	Mouthpipe Assembly
C-13825-5	Mouthpipe Tube
A171	Mouthpiece Receiver Complete

SLIDE PARTS

A181	Main Tuning Slide Crook
A175	#1 Slide Crook
A104	#2 Slide Crook
A190	#2 Slide Pull Ring
A177	#3 Slide Crook
C-61536-0	Eb Slide Assembly

VALVE SECTION PARTS

Same as 4D Single French Horn

BRACES

A184	1st or 3rd Slide Spacer
C-06180-4	1st Branch to Bell
A183	Mouthpipe to Bell
C-46401-6	F – TS to 1st Branch
C-69920-7	Brace Socket – F Tuning

BODY SECTION PARTS

A187	Finger Hook or Thumb Hook
C-80918-6	Lyre Holder
C-18551-2	1st Branch
C-62377-7	2nd Branch
C-19847-3	3rd Branch
C-05430-4	4th Branch
C-01072-8	1st Branch to Bell Ferrule (Brass)
C-22754-6	Bell

6D DOUBLE FRENCH HORN

(BRASS and NICKEL PARTS)

MOUTHIPIE PARTS

C-61520-1	Mouthpipe Complete w/ rec'r
C-23108-4	Mouthpipe Tube
C-12963-5	Mouthpipe Ferrule – Receiver
C-05434-6	Mouthpipe Ferrule Ring
A186	Guard Molding

SLIDE PARTS

A181	Tuning Slide Crook – 2 5/8" Span
C-26061-2	Water Slide Crook– 2" Span
C-65356-8	Bb Tuning Slide Crook
C-69560-1	Bb Tuning Slide Assembly
A175	#1 Slide Crook – F
C-05417-1	#2 Slide Crook – F & Bb or
	#1 Slide Crook – Bb
A190	#2 Slide Pull Ring
A177	#3 Slide Crook – F
A180	#3 Slide Crook – Bb

VALVE SECTION PARTS

C-83173-5	#1 Finger Key
C-83174-3	#2 Finger Key
C-83175-0	#3 Finger Key
A195	Finger Key Hinge Rod
A197	Finger Key Hinge Rod Nut
A188	Lever Spring – 1, 2 or 3
C-67894-6	#4 Finger Key – String Type
C-82323-7	#4 Finger Key Saddle
C-49614-1	Hinge Rod – 4th Key
C-49947-5	Spring – 4th Key
C-22215-8	Valve Cap – 4th Valve
C-81083-8	Cork Stop Plate – 4th Valve
C-83029-9	Back Bearing – 4th Valve
C-22783-5	Valve Cap – 1, 2 or 3
C-83025-7	Back Bearing – 1, 2 or 3
C-81084-6	Stop Arm – 1, 2, 3 or 4
A191	Cork Stop Plate – 1, 2 or 3
A192	Cork Stop Plate Screw
A193	Stop Arm Retain Screw
A194	Stop Arm String Screw
A196	String Screw

BRACES

C-26510-8	Mpipe to Bell or F Slide to Mpipe
C-49826-1	Water Slide to F Slide
C-26506-6	2nd Branch to Bb Tuning
C-26502-5	1st Branch to F Tuning
C-26508-2	1st or 3rd TS
C-26511-6	Flange to Flange – Small
C-26501-7	F Slide
C-61397-6	F Slide & Crook Assembly
C-05435-3	1st Branch to Bell – Large
C-22808-0	1st Branch to Bell – Small
C-05438-7	Mouthpipe to Bell

BODY SECTION PARTS

C-82522-4	Finger Hook
C-23106-8	1st Branch
C-23107-6	2nd Branch
C-17419-3	3rd Branch
C-22805-6	5th Branch
C-23105-0	Connection 3rd Branch to 4th Valve
C-12979-1	Crook – 4th Valve to Bb Slide
C-22806-4	Crook – TS to Mouthpipe
C-08884-6	Bell to 1st Branch Ferrule (Nickel)
C-22789-2	Offset Connection-1st to 4th Valve
C-20417-2	Lyre Holder
C-80498-9	Lyre Holder Screw
A185	Bell Guard
C-22754-6	Bell - Brass

8D DOUBLE FRENCH HORN
(SOLID NICKEL SILVER)**MOUTHPIPE PARTS**

C-69498-4	Mouthpipe Complete w/ rec'r
C-28128-7	Mouthpipe Tube Only
C-67856-5	Ferrule
C-28328-3	Ferrule Ring
C-68676-8	Guard Molding

SLIDE PARTS

C-28312-7	Crook – TS – F & Bb
C-28313-5	Crook – TS Lower – F – Small
C-28314-3	F "Waterslide" Crook
C-28315-5	Crook – 1st Slide – F
C-28311-9	Crook – 1st Slide – Bb
C-28311-9	Crook – 2nd Slide – F or Bb
C-28317-6	Crook – 3rd Slide – F
C-67939-9	Crook – 3rd Slide – Bb

VALVE SECTION PARTS**String Linkage Parts**

C-81084-6	Stop Arm 1-2-3-4
C-83173-5	Finger Key #1
C-83174-3	Finger Key #2
C-83175-0	Finger Key #3
C-27657-6	Finger Key Hinge Rod – 1, 2 & 3
C-28362-2	Hinge Screw Nut
C-82513-3	Finger Key Support Bar – 1, 2 & 3
C-67899-5	Thumb Key – #4 String type
C-49613-3	Hinge Rod – 4th Valve
C-60589-9	Valve Spring – 4th
C-22783-5	Valve Cap – 1, 2 or 3
C-22215-8	Valve Cap – 4th
C-83025-7	Back Bearing – 1, 2 or 3
C-83029-9	Back Bearing – 4th
C-81082-0	Cork Stop Plate – 1, 2 or 3
C-81083-8	Cork Stop Plate – 4th
C-22217-4	Cork Stop Plate Screw
A193	Stop Arm Retain Screw
A194	Stop Arm String Screw
C-22207-5	Lever String Screw
A188	Valve Spring 1-2-3
C-83024-0	1, 2, or 3 Rotor with bearing

New Style Valve Parts for 8D

C-30878	Lever for 1st or 2nd Valve
C-30879	Lever for 3rd Valve
C-27657-6	Lever Hinge Rod
C-30679	Lever Spring – 1, 2 or 3
C-30876	Lever Saddle (Bridge)
C-30866	Lever Saddle (Bridge) Screw
C-30874	Lever for 4th (Thumb) Valve
C-82323-7	Lever Saddle (Bridge) – 4th
C-49947-5	Lever Spring – 4th
C-49614-1	Lever Hinge Rod – 4th
C-30861	Valve Screw – 4th
C-08125	Minibal
C-08126	Minibal Screw
C-08132	Screw – Minibal to Pivot Tube on Slide
C-30871	Linkage Rod – 1, 2 or 3
C-08133	Linkage Rod – 4th
C-30889	Delrin Insert
C-30894	Pivot Screw – 5/8" long w/ head
C-30666	Valve Cap – 1, 2 or 3
C-30676	Valve Cap – 4th
C-81082-0	Cork Plate – 1, 2 or 3
C-81083-8	Cork Plate – 4th
C-28351-5	Cork Plate Screw
A200	3/16" Rubber Stop – 1ft pc

C-81084-6	Stop Arm – 1, 2 or 3
C-30697	Stop Arm – 4th
C-80830	Stop Arm Retaining Screw
C-30661	Back Bearing – 1, 2 or 3
C-30671	Back Bearing – 4th

OLD STYLE MECHANICAL #4 VALVE PARTS

C-27635-0	Action Link #4
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BRACES

C-82320-3	1st Branch to Bb 1st Valve Slide
C-82321-1	6th Branch to Bb TS
C-28330-9	F or Bb Tuning
C-28332-5	Large F Tuning
C-26510-8	6th Branch to Bell
C-05435-3	1st Branch to Bell
C-28297-0	1st Branch to F Tuning
C-26508-2	F Tuning Slide to Bb Tuning Slide
C-68430-8	1st or 3rd Valve Slide Spacer
C-05438-7	Mouthpipe to Bell

BODY SECTION PARTS

C-63523-5	1st Branch
C-28325-9	2nd Branch
C-28318-4	3rd Branch
C-28319-2	4th Branch
C-28326-7	5th Branch
C-28327-5	6th Branch
C-40204-0	Bell to 1st Branch Ferrule
A185	Bell Cap Guard
C-28323-4	Bell

MELLOPHONE PARTS**14E DIRECTOR MELLOPHONE****MOUTHPIPE PARTS**

C-62745-5	Mouthpipe Only
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SLIDE PARTS

C-08973-0	F Tuning Slide Crook
C-06028-5	Eb Tuning Slide Crook
C-06026-9	#1 or #3 Slide Crook
C-06565-6	#2 Slide Cap Molding
A110	Slide Draw Knob

VALVE SECTION PARTS

C-63494-9	Bottom Cap
A323	Finger Button
C-63243-01	#1 Piston
C-63243-02	#2 Piston
C-63243-03	#3 Piston

BRACES

C-62747-1	Mouthpipe to Bell
C-62748-9	Bell to 1st Branch – 16E
C-68466-2	Brace Socket – All Adjustable Braces

BODY SECTION PARTS

A187	Thumb Hook & Finger Hook
C-09004-3	1st Branch
C-62746-3	Bell – 16E

BARITONE HORN PARTS

DIRECTOR BARITONE HORN MODEL 14I BELL FRONT & 15I BELL UP

(Before 1985)

MOUTHPIPE PARTS

C-82739-4	Mouthpipe (2 bends)
A151	Mouthpiece Receiver
C-60591-5	Ferrule

SLIDE PARTS

C-69796-1	Main Tuning Slide Assembly
C-06240-6	Tuning Slide Crook
C-63016-0	Waterkey Saddle
C-20507-0	Waterkey Nipple
A354	Waterkey Spring
C-65861-7	Draw Knob
A152	Thumb Ring
C-06239-8	1st or 2nd Slide Crook
C-06280-2	#3 Slide Crook – Upper Coil
C-68277-3	Main TS Outside Tube Ass'y
C-07582-0	TS Tubes – In & Out – Large

VALVE SECTION PARTS

C-25116-5	Top or Bottom Cap
C-23129-0	Finger Button
C-60916-4	Stem
C-81309-2	#2 Piston - .826"
A380	Piston Spring
A162	Piston Stem – Old Style
A310	Valve Guide

BRACES

A157	Mouthpipe Brace
A159	Bell to 1st Branch
C-46459-4	Bell Stem to 2nd Branch
C-68466-2	Brace Socket – Multiple Use

BODY SECTION PARTS

C-06236-4	1st Branch
C-23833-7	2nd Branch
C-26059-6	4th Branch
C-23836-0	Bell Stem
C-06349-5	Bottom Bow
C-23985-5	Bell – 14I Bell Front – Detachable

EUPHONIUM PARTS

4 VALVE EUPHONIUM MODELS 4I & 5I (BELL UPRIGHT and DETACHABLE)

MOUTHPIPE PARTS

A151	Mouthpiece Receiver
C-60591-5	Mouthpipe Ferrule

SLIDE PARTS

C-27263-3	Waterkey Saddle
C-20507-0	Waterkey Nipple
C-28272-3	Waterkey Screw
C-06239-8	#1 or #2 Slide Crook
C-65861-7	Draw Knob

VALVE SECTION PARTS

C-25116-5	Top or Bottom Cap
C-64750-3	Finger Button
C-63821-31	#1 Piston – Round Ports
C-63821-32	#2 Piston – Round Ports
C-63821-33	#3 Piston – Round Ports
C-63821-34	#4 Piston – Round Ports
A310	Valve Guide

BRACES

Same as 10I & 24I Euphonium

BODY PARTS

C-06236-4	1st Branch
C-83639-5	2nd Branch
C-83412-7	4th Branch
Other body parts and bells same as 10I & 24I Euphonium	

ARTIST EUPHONIUM MODEL 10I & CONNSTELLATION MODEL 24I

(BELL FRONT and DETACHABLE)

MOUTHPIPE PARTS

C-82739-4	Mouthpipe (2 Bends)
A151	Mouthpiece Receiver
C-60591-5	Mouthpipe Ferrule

SLIDE PARTS

C-27263-3	Waterkey Saddle
C-28272-3	Waterkey Screw
C-20507-0	Waterkey Nipple
A353	Waterkey Spring
C-65861-7	Draw Knob
C-23979-8	Thumb Ring
C-06240-6	Tuning Slide Crook
C-06239-8	1st or 2nd Slide Crook

C-23984-8	3rd Upper Crook – 20I
C-06280-2	3rd Slide Assembly
C-63125-9	In & Out 3rd Slide – Long
C-65629-8	In & Out 2nd Slide – Short
C-81368-3	In & Out Tuning Slide – Lg Side

VALVE SECTION PARTS

C-25116-5	Top or Bottom Cap
C-23129-0	Finger Button (Stepped)
A380	Valve Spring
C-81309-2	#2 Piston
C-60916-4	Piston Stem
A310	Valve Guide

BRACES

C-20368-7	#1 Slide Brace
C-19297-1	#2 Slide Brace
C-20371-1	#3 Slide to Tuning Slide
A143	Brace Socket – Large
C-82584-4	Brace Socket – Small
C-01713-7	Brace Rod
A157	Mouthpipe to Bell

BELL & BODY PARTS

C-06349-5	Bottom Bow
C-06249-7	Bottom Bow Ferrule – Small
C-06245-5	1st Branch Guard Cap
C-06237-2	2nd Branch
C-06250-5	2nd Branch Ring
C-06341-2	Bell Stem w/Receiver
C-06342-0	Bell Stem Ring w/Lock Nuts
C-06329-7	Bell Lock Nut
A440	Bell Lock Screw
C-63452-7	Bell – Upright – 25I – Satin Silver
C-23985-5	Bell – Front – 24I only – no ring

CONNSTELLATION EUPHONIUM - MODEL 24I (Before 1985)

TUNING SLIDE PARTS

C-06240-6	Crook
C-63407-1	Tuning Bar Guide – clamps on
C-63404-8	Bushing – Spring Barrel – nylon
C-63502-9	“C” Lock Washer
C-05856-0	Tuning Wheel Spring
C-63399-0	Large Spring – 4" long
C-63400-6	Connecting Rod Nut – hex
C-63408-9	Guide Screw – for tuning bar guide
C-63398-2	Screw Rod – 7 5/8" long
C-63403-0	Spring Barrel Bottom Cap – male threads

ARTIST EUPHONIUM MODELS 20I & 21I

(SHORT ACTION) (Before 1985)

MOUTHPIE PARTS

C-82738-6	Mouthpipe (1 Bend)
A151	Mouthpiece Receiver
C-60591-5	Ferrule

SLIDE PARTS

C-06240-6	Tuning Slide Crook
C-27263-3	Waterkey Saddle
C-20507-0	Waterkey Nipple
A353	Waterkey Spring
C-28272-3	Waterkey Screw
C-06239-8	#1 Slide Crook – Adj.
C-65861-7	Draw Knob
C-23979-8	Thumb Ring
C-23984-8	Crook – Top Coil
C-63125-9	In & Out – 3rd Slide – Long

VALVE SECTION PARTS

C-25192-6	Bottom Cap – w/ slot
C-23129-0	Finger Button (Stepped)
A380	Spring
C-63510-21	#1 Piston (Oval Ports) - .888"
C-63510-22	#2 Piston (Oval Ports) - .888"
C-63510-23	#3 Piston (Oval Ports) - .888"
C-64153-0	Piston Stem
C-23125-8	Guide Pin & Head Ass'y
C-01000-0	Valve Thread Ring Top – solders on
C-01001-1	Valve Thread Ring Bottom- solders on

BRACES

C-20368-7	#1 Slide Brace
C-19297-1	#2 Slide Brace
C-20371-1	#3 Slide to TS
A143	Brace Socket – Large
C-82584-4	Brace Socket – Small
C-21358-7	Mouthpipe Brace
C-01713-7	Connecting Rod – Longest

BELL & BODY PARTS

C-06341-2	Bell Stem
A440	Bell Lock Screw
C-06329-7	Bell Lock Nut
C-06349-5	Bottom Bow
C-06249-7	Bottom Bow Ferrule – Small
C-06245-5	1st Branch Guard Cap
C-06237-2	2nd Branch
C-06250-5	2nd Branch Conn Ring
C-23985-5	Bell – Bell Front – 241 – Detachable

CONN 19I EUPHONIUM

Same as King 2280 Euphonium

MARCHING BRASS PARTS**MODEL 132E MARCHING MELLOPHONE**

Same as King Model 1120 Mellophone

MODEL 134E MARCHING FRENCH HORN

Same as King Model 1122 French Horn

MODEL 138E MARCHING TROMBONE

Same as King Model 1130 Flugabone

MODEL 136E MARCHING BARITONE HORN

Same as King Model 1124 Baritone

TUBA PARTS**MODEL 5J – 4 VALVE BBb TUBA**

(Before 1985)

MOUTHPIE PARTS

C-81564-7	Mouthpipe – Only
C-81727-0	Mouthpiece Receiver

SLIDE PARTS

C-01396-2	Main Tuning Slide Crook
C-67300-4	1st Lower or 2nd Crook
C-67301-2	1st, 3rd or 4th Upper Crook
C-67302-0	3rd or 4th Lower Crook
C-27263-3	Waterkey Saddle
C-20507-0	Waterkey Nipple
C-28272-3	Waterkey Screw
A353	Waterkey Spring
A110	Draw Knob

VALVE SECTION PARTS

C-83135-4	#1 Piston
C-83136-2	#2 Piston
C-83137-0	#3 Piston
C-83138-8	#4 Piston
C-83420-0	Top Cap
C-83421-8	Bottom Cap
C-68334-2	Finger Button
C-67309-5	Valve Stem
A311	Valve Guide

BRACES

A157	Mouthpipe to Bell
A143	Brace Socket – Slide Tubes
C-81626-4	Bell to 1st Branch
C-81625-6	Bell to 2nd Branch

MODEL 10J – BBb TUBA

(Before 1985)

(3 valve, mouthpipe goes into a tuning slide)

MOUTHPIE PARTS

C-06721-5	Mouthpipe (2 Bends)
A221	Mouthpiece Receiver

SLIDE PARTS

C-06661-3	Tuning Slide Crook
C-06543-3	1st Slide Crook
C-06434-5	2nd or All 3rd Slide Crooks
C-20507-0	Waterkey Nipple
A354	Waterkey Spring

VALVE SECTION PARTS

C-25156-1	Top or Bottom Cap
A330	Finger Button
A383	Piston Spring
A310	Valve Guide
10J valves are obsolete	

BRACES

A157	Mouthpipe Brace
C-68466-2	Brace Flange – Multiple Use

MODEL 11J – 3 VALVE BBb TUBA**MOUTHPIE PARTS**

C-81564-7	Mouthpipe
C-81727-0	Mouthpiece Receiver

SLIDE PARTS

C-13751-3	1st Lower or 2nd Crook
C-13771-1	1st or 3rd Slide Upper Crook
C-13142-5	Main Tuning Slide Crook
C-13191-2	Tuning Slide Offset Tube
A354	Waterkey Spring
C-20507-0	Waterkey Nipple
C-27263-3	Waterkey Saddle

VALVE SECTION PARTS

C-68334-2	Finger Button – no pearl, brass
S914	Top Cap
S915	Bottom Cap
C-13537-6	#4 Piston – 4J
A311	Valve Guide
A385	Valve Spring
Other valves for the 11J are obsolete.	

BRACES

C-81752-8	Brace Socket – Multiple Use
A846	Brace Rod – 3Ft

MODEL 12J – 3 VALVE BBb TUBA

MOUTHPIPE PARTS

Same as 5J Tuba

SLIDE PARTS

C-27263-3 Waterkey Saddle
C-20507-0 Waterkey Nipple
A354 Waterkey Spring – sold in dozens
C-23979-8 Thumb Ring
Slide crooks same as 5J tuba

VALVE SECTION PARTS

C-83176-8 Top Cap
C-83177-6 Bottom Cap
C-68334-2 Finger Button – no pearl, brass
#1, #2, #3 pistons and other valve section parts
same as 5J tuba

BRACES

A157 Mouthpipe to Bell
C-81752-8 Brace Flange – Slide Tube
C-81753-6 Brace Flange – Large TS
A846 Brace Rod - 3 ft
C-81625-6 Bell to 2nd Branch
C-81626-4 Bell to 1st Branch

CONN MODEL 14J TUBA

Was a short production run tuba
Call Conn-Selmer for Parts

MODEL 15J – 3 VALVE BBb CONVERTIBLE TUBA

(Before 1985)
(After 1985 parts are the same as King 1140 Tuba)

MOUTHPIPE PARTS

C-84014-0 Marching Mouthpipe Assembly
C-83707-0 Marching Mouthpipe Tube – only
C-83871-4 Marching Mpipe Brace – Lower
C-83772-4 Marching Mpipe Brace – Upper
C-84015-7 Concert Mouthpipe Assembly
C-83706-2 Concert Mouthpipe Tube – only
C-83771-6 Concert Mouthpipe Brace
C-81727-0 Mouthpiece Receiver
C-83773-2 Mouthpipe Tenon – Male
C-62036-9 Mouthpipe Receiver – Female
A445 Receiver Tightening Screw
C-83767-4 Concert Clamp – top half only (no base)
A445 Mouthpipe Clamp Screw
A315 Lyre Holder w/screw
C-83709-6 Lower Mouthpipe Tube – solders on horn

SLIDE, VALVE AND BRACE PARTS

Same as 12J tuba

MODELS 20J, 21J, 24J & 25J – RECORDING BASS

(Short Action w/Detachable Bell)

MOUTHPIPE PARTS

C-49904-6 Mouthpipe Only – All Models
A211 Tuning Bits (Pair) – Lacquered
A222 Mouthpipe – Straight & Filled
A221 Receiver

SLIDE PARTS

C-64351-0 1st or 1st Return Crook
C-08599-3 #2 Slide Crook
C-64351-0 3rd or 3rd Return Crook
C-49046-6 Main Tuning Slide Crook
A110 Draw Knob
C-27263-3 Waterkey Saddle
C-11406-6 Waterkey Screw
A353 Waterkey Spring
C-20507-0 Waterkey Nipple

BELL PARTS

A213 Bell Screw Flange
A212 Bell Tension Screws
A212-S Bell Tension Screw-Silver
C-08699-1 Bottom Bow Cap

VALVE SECTION PARTS

C-21278-7 Top Cap Ring
C-21279-5 Top Cap Plate
C-21281-1 Top Cap Bumper Nut
C-25295-7 Bottom Cap
C-21288-6 Finger Button – Xmas tree shape
A383 Valve Spring
C-64194-4 Piston Stem
C-21867-7 Guide Pin Assembly #1
C-21866-9 Guide Pin Assembly #2
C-21868-5 Guide Pin Assembly #3 or #4
C-21282-92 #2 Piston
C-21282-94 #4 Piston

BRACES

C-82584-4 Brace Socket

SOUSAPHONE PARTS

There are two styles of Conn sousaphones. The 14K brass and 36K fiberglass are standard bore models with valve stems centered in the top caps. The 20K brass and 22K fiberglass are large bore, short action, valve stems offset in the top caps.

MODEL 14K – DIRECTOR SOUSAPHONE

(Eastlake Production) - After 1985
Same as King Sousaphone Model 2350

MODEL 14K – DIRECTOR SOUSAPHONE

(Elkhart Production) - Pre 1985

MOUTHPIPE PARTS

(Upper mouthpipe is removable & goes into Lower M.P. rec'r)
(Lower Mouthpipe solders on & goes into 1st valve)

A211 Tuning Bits (Pair) – Lacquered
A211-S Tuning Bits (Pair) – Silver
A210 Upper Mouthpipe Ass'y – Lacquered
A210-S Upper Mouthpipe Ass'y – Silver
C-09070-4 Upper Mouthpipe Tube – Only
C-09028-0 Upper Mouthpipe Guard
C-20230-0 Upper Mouthpipe Coil Brace
C-67941-5 Upper Mouthpipe Straight Brace
A221 Mouthpiece Receiver
C-07665-3 Mouthpipe Tenon w/Ferrule – Male
C-61457-0 Lower Mouthpipe Complete w/ receiver
C-09114-0 Lower Mouthpipe Tube – Only
C-62036-9 Lower Mouthpipe Rec'r w/ Screw – Female
A445 Tension Screw
C-23862-6 Ferrule (Lower M.P. to 1st Valve)

SLIDE PARTS

C-06494-9 #1 Crook or Upper 3rd
C-09103-3 #1 Slide Crook – Top Coil
C-06495-6 #2 Slide Crook
C-06496-4 #3 Slide Crook – Lower
C-06493-1 TS Crook
C-23860-0 In & Out TS Tubes – Small
A220 Thumb Ring
A110 Draw Knob
C-20507-0 Waterkey Nipple
A354 Waterkey Spring

BODY PARTS

A213 Bell Screw Flange – Threaded
A212 Bell Screw
A212-S Bell Tension Screw-Silver
C-09111-6 3rd Branch
C-09112-4 4th Branch
C-09113-2 5th Branch
C-63804-9 Female Bell Ring

VALVE SECTION PARTS

C-25156-1 Top or Bottom Cap
C-63817-11 #1 Piston
C-63817-12 #2 Piston
C-63817-13 #3 Piston
A310 Piston Guide
A383 Piston Spring
C-64195-1 Piston Stem
A330 Finger Button

BRACES

C-68466-2 Brace Socket – Multiple Use – Use A842 Rod
C-01711-1 Main Tuning Slide Brace Rod
C-46458-6 1st Slide
C-46457-8 2nd Slide or #3 Coil
C-47171-4 3rd Slide

MODEL 36K – BBb FIBERGLASS SOUSAPHONE

(For 36K after 1987, use 2370 King Parts)

MOUTHPIPE PARTS

Same as 14K Sousaphone

SLIDE PARTS

Same as 14K Sousaphone

VALVE SECTION PARTS

Same as 14K Sousaphone

BODY PARTS

C-81672-6	Branch Clamp Screw
C-64039-1	Branch Spacer Nut
C-65148-9	"0" Ring – Rubber
C-09112-4	4th Branch
C-09113-2	5th Branch

BRACES

Braces same as 14K Sousaphone

MODEL 20K – ARTIST BBb SOUSAPHONE

(Short Action, offset valve stems)

MOUTHPIPE PARTS

(Upper mouthpipe is removable & goes into Lower M.P. rec'r)
(Lower Mouthpipe solders on & goes into 1st valve)

A211	Tuning Bits (Pair) – Lacquered
A211-S	Tuning Bits (Pair) – Silver
A210	Upper Mouthpipe Ass'y – Lacquered
A210-S	Upper Mouthpipe Ass'y – Silver
C-61456-0	Lower Mouthpipe Ass'y w/ Receiver
C-23527-5	Lower Mouthpipe Tube Only
C-62036-9	Lower Mouthpipe Rec'r w/Screw – Female
A445	Tension Screw
A221	Mouthpiece Receiver
C-09070-4	Upper Mouthpipe Tube Only
C-09028-0	Upper Mouthpipe Guard
C-20230-0	Upper Mouthpipe Coil Brace
C-67941-5	Upper Mouthpipe Straight Brace
C-07665-3	Mouthpipe Tenon w/Ferrule – Male

LOWER MOUTHPIPE PARTS

After 1987

C-30025	Upper Mouthpipe Receiver
C-30040	Lower Mouthpipe Ferrule
C-30150	Lower M.P. Brace Ferrule Assembly
C-01801	Curved Brace Rod
C-01841	Brace Socket (for the ends of the curved rod)

Other parts same as above

SLIDE PARTS

C-06494-9	#1 Crook or Upper 3rd
C-23114-2	#1 Slide Crook – Top Coil
C-06495-6	#2 Slide Crook
C-06496-4	#3 Slide Crook – Lower

C-06493-1	Main Tuning Slide Crook
C-63117-6	In & Out TS Tubes – Large
C-63116-8	In & Out TS Tubes – Small
A152	Thumb Ring
A110	Draw Knobs
C-82399-7	Waterkey – 3rd Slide
C-20507-0	Waterkey Nipple
A353	Waterkey Spring
C-11406-6	Waterkey Screw

BODY PARTS

A213	Bell Screw Flange – Threaded
A212	Bell Tension Screw
C-09112-4	4th Branch
C-09113-2	5th Branch
C-08635-5	Bell Ring – Male
C-08634-8	Bell Ring – Female
C-09164-5	1st Branch to Bell Elbow ferrule

VALVE SECTION PARTS

C-21278-7	Top Cap Ring
C-21279-5	Top Cap Plate
C-21281-1	Top Cap Bumper Nut
C-25295-7	Bottom Valve Cap
C-21288-6	Finger Button – Xmas tree shape – 12 x 32
C-04011	Finger Button – No Pearl
A383	Valve Spring
C-63746-21	#1 Piston (Oval Ports) – 1.225"
C-63746-22	#2 Piston (Oval Ports) – 1.225"
C-63746-23	#3 Piston (Oval Ports) – 1.225"
C-64194-4	Piston Stem
C-21867-7	#1 Piston Guide Pin
C-21866-9	#2 Piston Guide Pin
C-21868-5	#3 Piston Guide Pin

BRACES

A143	Brace Socket – TS – Large
C-82584-4	Brace Socket – TS – Small
C-20392-7	1st Upper or 2nd Long Slide
C-20395-0	1st Slide
C-20370-0	1st Slide to Tuning Slide
C-20366-1	Tuning Slide to 3rd Slide
C-20389-3	3rd Slide to 2nd Short Slide
C-30094	Spacer Brace (1, 2, 3 or 4 Branches)
C-30086	3rd Slide to 2nd Branch
C-30092	3rd Slide Brace Flange
C-30095	Curved Brace – 5th to 3rd Branch
C-30093	Body Side Brace Flange
C-30090	Bell Bow Brace – Bow Side
C-30090-S	Bell Bow Brace – Bow Side – Silver
C-30091	Bell Bow Brace – Body Side
C-30091-S	Bell Bow Brace – Body Side – Silver
C-01981-0	Bell Bow Brace Tube
C-01981-S	Bell Bow Brace Tube – Silver

MODEL 22K BBb FIBERGLASS SOUSAPHONE

MOUTHPIPE, SLIDE, VALVE SECTION & BRACE PARTS

Are the same as 20K Sousaphone

BODY PARTS

C-64039-1	Branch Spacer Nut
C-81672-6	Branch Clamp Screw
C-82727-9	Fiberglass to Brass Connector – Female
C-09112-4	4th Branch
C-09113-2	5th Branch

CONN WOODWIND PARTS

SOPRANO CLARINET – MODELS 17S & 18S

(No longer made)

C-29986-7	Old Style Pivot Screw (set screw type)
C-19961	Adjusting Screw – F/C Key
C-14188-7	Adjusting Screw – A Key

All other parts are obsolete

ARTIST ALTO SAXOPHONE

MODEL 6M (No longer made)

C-21069-0	Male Neck Tenon for Body – Old Style
C-46578-0	Octave Vent Tube – Mouthpipe (Neck)
C-62552	Teeter Bearing Block – square
C-01140-5	Set Screw for Old Pivot Screw

ARTIST ALTO SAXOPHONE

MODEL 7M (No longer made)

C-21069-0	Mouthpipe Tenon – Male
C-80076-10	Felt Bumper Screw
C-80073-0	Key Guard Screw – 4 x 48
C-67833	Bell Key Guard – B & Bb Key
C-80087-0	Pivot Screw w/Head
A315	Lyre Holder w/screw
A238	Strap Ring
A239	Thumb Hook
A230	Bow Guard
A232	Finger Roller

DIRECTOR ALTO SAXOPHONE

MODEL 18M (No longer made)

MOUTHPIPE PARTS

C-91015-8	Octave Key
C-80563-0	Key Guide
C-91524-9	Octave Vent Tube
C-91523-1	Neck Tenon – Male

BODY PARTS

A445	Receiver Tension Screw
A238	Strap Ring
A239	Thumb Hook
A315	Lyre Holder w/screw
A230	Bow Guard
C-91090-1	Bottom Bow Assembly
C-91047-1	Eb or C Key Guard – Nickel or Brass
C-91049-7	Larg Bell Key Guard (covers 3 keys)

SCREWS

C-80073-0	Key Guard Screw – 4 x 48
C-80076-10	Felt Bumper Screw
C-80087-0	Pivot Screw w/Head
C-45010-6	Hinge Rod Set – 18M or 20M

CONN 24M/24HF & KING 665/670

ALTO SAXOPHONE (No Longer Made)

All parts are nickel plate unless otherwise noted

C-70100	F Palm Key
C-70200	High E Key
C-70300	Eb (D#) Palm Key
C-70400	D Palm Key
C-70500	C Key
C-70600	B Key
C-70700	Side C Key
C-70800	Bb Bis Key
C-70900	A Key
C-71000	Side Bb Key
C-71100	G Key
C-71200	G# Key
C-71300	F# Key
C-71400	F Key
C-71500	Side F# Key
C-71600	E Key
C-71700	D Key
C-71800	Low Eb (D#) Key
C-71800-8	Low Eb (D#) Key (after serial #720000)
C-71900	Low C Key
C-71900-8	Low C Key (after serial #720000)
C-72000	Low C# Key
C-72100-8	Low B Key (after serial #720000)
C-72200-8	Low Bb Key (after serial #720000)
C-72300	High F# Key
C-72400	High F# lever
C-72500	Neck Octave Key (marked "CONN")
C-72600	Thumb Key
C-72700	Floating Lever
C-72800	Lower Octave Key
C-72900	Front F Teeter
C-73000	Front F Spatula
C-73100	G# Lever
C-73200-8	Low C# Lever (after serial #720000)
C-73300	Side C Lever
C-92125	Side F# Guard (nickel)
C-92563	Clothes Guard (nickel)
C-94155N	Low Eb or C Key Guard (nickel)
C-94157	Low B & Bb Bell Key Guard (nickel)

Note: Low Eb & C key guards are available in limited supply. The brass version of this guard listed under the 25M will work on the 24M/665 but will look different. (brass vs. nickel plate)

CONN 25M & KING 670 (EMPIRE) ALTO SAXOPHONE (No Longer Made)

* All parts are lacquered brass *

C-05515	Side F# Guard (screw on)
A1697	Low Eb or C Key Guard (lacquer brass)
C-94157-25	Low B & Bb Bell Guard (lacquer brass)
C-64173-25	Right Thumb Hook Tear Drop
C-71200-25	G# Key
C-71301-25	Bb/G# Adjusting Arm
C-72000-25	Low C# Key
C-72201-25	Low Bb Tilting Spatula
C-72200-25	Low Bb Key
C-72900-25	Front F Teeter Key
C-73300-25	Side C Lever
C-73400-25	Side Bb Lever
C-74008-25	F# or C# Adjusting Lug w/Screw

PARTS COMMON TO ALL

Mouthpipe (Neck) is no longer available	
C-05229	Body 8va Vent Tube
C-05265	Bb or G# Adjusting Screw (brass)
C-05265-N	Bb or G# Adjusting Screw (nickel)
C-06054	F# Adjusting Arm (braze on to pad cup)
C-74007	Pivot Screw
C-80072N	Key Guard Screw (nickel)
C-80498-9	Lyre Screw
C-91312	11.6mm Finger Pearl
C-91315	15.5mm Finger Pearl
C-91910	Body Side Bell Brace or Branch Ring Screw
C-91902L	Bell Brace Screw – Bell Side (brass)
C-91900L	Bell Brace – no insignia
C-76420N	Bell Brace "C"
C-76421N	Bell Brace "K"

DIRECTOR ALTO SAXOPHONE MODEL 50M (No longer made - There are at least 4 different versions of this model)

KEYS

C-80774-3	Thumb Lever
C-80775-0	Floating Lever
C-82118	Octave Key Teeter
	(Attaches to the top of the body 8va key)
C-82000	Body 8va Key Ass'y (w/teeter)
C-80776-8	High F Palm Key
C-80698-4	High Eb Palm Key
C-80648-1	High D Palm Key
All other keys are obsolete	

BODY PARTS

C-80563-0	Octave Key Guide
C-80005-2	Mouthpipe Tenon – Male
A445	Mouthpipe Tension Screw
A315	Lyre Holder & Screw
A238	Strap Ring
A239	Thumb Hook
C-80177	Bell Brace
C-11398	Roller Screw – Short
C-80087-0	Pivot Screw
C-80073-0	Key Guard Screw
C-80076-10	Felt Bumper Screw
C-80931-9	Bell Key Guard – B & Bb Keys

ARTIST TENOR SAXOPHONE MODEL 10M (No longer made)

C-60542-8	Neck Receiver – Female
C-62737-0	Neck Tenon – Male
C-63679-5	Octave Key Guide
C-64990-3	Body (Stack) Assembly – w/post Elkhart – Old Style

DIRECTOR TENOR SAXOPHONE MODEL 16M (No longer made)

MOUTHPIPE PARTS

C-90208-0	Octave Key
C-09748-5	Octave Key Guide
C-11343-1	Spring Box – Straight – solders on
C-10199	Neck Octave Vent Tube
C-09626-3	Neck Tenon – Male

BODY PARTS

C-62739-8	Neck Receiver – Female
A445	Receiver Tension Screw
A315	Lyre Holder & Screw
A238	Strap Ring
A239	Thumb Hook
A230	Bow Guard
C-80087-0	Pivot Screw w/Head
C-80073-0	Key Guard Screw
C-65280-0	Key Guard Bracket – 18 Key
C-65269-6	Key Guard Bracket – 18 Key
C-65350-3	Key Guard Bracket – 18 Key
C-65193-5	Key Guard Bracket – 19 Key
C-64488-8	Key Guard Bracket – 19 Key
C-64489-2	Key Guard Bracket – 19 Key

BELL PARTS

C-64490-6	Key Guard Bracket – 21 & 22 Keys
C-64622-4	Key Guard Bracket – 21 & 22 Keys
C-64487-0	Key Guard Bracket – 21 & 22 Keys
C-21447-8	Bell Brace
C-46138-4	Bell – Not Engraved – Elkhart

TENOR SAXOPHONE – MODEL 22M

(No Longer Made)

C-05675	Key Guide Post Cap
C-04202	Bell Key Guard
C-06060-N	Clothes Guard
C-06064	Neck Guard (brace)
C-06230	Body Octave Vent Tube
C-92200	Bell to Body Brace

**ARTIST BARITONE SAXOPHONE
MODEL 11M (Low A) & 12M (Low Bb)****BODY PARTS**

C-91523-1	Neck Tenon – Male
C-09636-2	Neck Receiver – Female
A445	Neck Screw
C-09748-5	Key Guide
C-20997-3	Octave Vent Socket
C-09368-2	Lower Crook - "Waterkey Bow"
C-10200	Body Octave Vent Tube
C-49808	Bottom Bow Guard
A231	Bow Guard
A315	Lyre Holder & Screw
A238	Strap Ring
A239	Thumb Hook
C-09550	C# Key Guard (solder on)
C-42115	B & Bb Bell Key Guard (screw on)
C-09534-9	Key Guard – Side F (#15)
C-63302-4	Bottom Bow – Elkhart
C-80087-0	Pivot Screws

BRACES

C-12699-5	Bell to Body
C-09568-7	Lower Bow Brace
C-63472-5	Upper Bow Brace - "T" Shaped
C-20381	Brace Rod

**Recommended
Buffing Procedures****Clarinet Keys**

Nickel and nickel silver keys and flutes are easily buffed using a lime compound (A812) or yellow rouge (A8099).

Silver Plated Instruments

Silver plated flutes and other instruments must be thoroughly cleaned prior to buffing. The reason is to remove any substance that will collect buffing dirt such as grease, oil or oxidized silver (tarnish). The best method is to use a hot detergent or our Slime-Away (A877). Rinse and then dip in Silver Dip (A892) to remove tarnish.

The buffing compound to use is either red rouge (A813) or green rouge (A8096), then color buff using a flannel wheel.

The important consideration when coloring silver plate is that only small amount of abrasive action will remove the silver plate. Silver is a soft metal and usually only four mills in thickness, less where it is worn.

Chromium Plated Trombone Slides

Chrome is extremely hard and a special compound such as our A815 must be used. You won't be able to buff out scratches. The only problem is "dishing-out" the base metal, usually nickel-silver, where the chrome plate is worn completely away. When you encounter this condition you must stop buffing this area before the base metal is appreciably buffed away.

Brass & Copper

Preparation of the instrument prior to buffing is critical to obtain a finished product that is like new.

Hand sand any uneven areas, particularly those spots that may be eaten away by perspiration. Then polish out all the small scratches and nicks using a greaseless composition such as our A810. Good judgment must be exercised not to polish out the deep

abrasions which will unduly shorten the life of the instrument. (Time required- 10-15 minutes for trumpets.) At this point it is a good idea to bright dip the instrument to clean the interior of any foreign matter. This will assure a clean yellow appearance to inside surfaces.

The instrument is then hard buffed using a muslin buff usually 8" in diameter by 3/4" wide such as our A802. The compound to use is a lime composition such as used on nickel keys. It is not necessary to use tripoli on properly prepared cornets, trumpets or trombones. It is easy to over-buff wearing out the instrument. Don't try to buff out every last nick and ding. After the instrument is hard buffed with the 8" buff, use a 6" x 25 ply and work it into all areas that the 8" buff could not reach. Effective use of the 6" x 25 ply buff will reduce hand ragging time. Time required: 20 minutes for trumpets.

Using a material such as wicking, our A890, or strips of muslin an inch or two wide, apply lime and hand rag the remaining areas. A good buffing job will require only ten minutes of hand ragging time on a trumpet. Then color rag the same areas using red rouge (A813) on another piece of wicking. Total time required: 15 minutes for trumpets.

Using an 8" muslin buff such as A802, apply red rouge and proceed to color buff the instrument. Rake out the wheel occasionally and liberally apply the red rouge. Then using a flannel color buff such as our A803 and red rouge, final color buff the instrument, force the buff against the instrument, apply red rouge liberally and keep the buff raked out, use less pressure for a final pass over the instrument. Time required: 10 minutes.

Buff and color the slide assemblies, caps, finger buttons, etc., and the job is done. Time required: 15 minutes for trumpets.

Total time required: 60-65 minutes.

The time shown is for a fully experienced technician using the best equipment and supplies.

The instrument is now vapor degreased, lacquered and final assembled.

Allied will happily assist anyone in regard to proper and efficient buffing and coloring procedures. Just phone us.

FLUTE PARTS

Fit Plateau and Open Hole Models

BODY PARTS

EF101	Head Joint
EF102	C Foot
EF103	B Foot

SCREWS

EF104	Roller Screws
EF105	Adjusting Screws
J101	Pivot Screws
EF107	Pad Screws
EF108	Flat Spring Screws

OTHER

EF109	Pad Washers
EF110	Pad Spuds
EF111	French Pad Retaining Rings
EF112	Roller - Low C
EF113	Head Crown
EF114	Head Crown w/Cork Assembly
EF115	Pinning Needles

away, not towards you. This is to avoid jumps and gouging the wood. Be sure to remove all stain remover. There may be some color left in the wood. This will come out with sanding.

- (4) Inspect the body pieces for cracks or depressions and correct and repair where needed. Pay special attention to bottom of boot joint, as this is where rotting of wood is often found.

(5) Sanding

We use three grades of sandpaper 100-medium, 150-fine, 220-extra fine, in that order. Sand all pieces (with the grain), first with the 100, with attention to nicks and scratches. Next sand with the 150, working towards an overall smoothness, and last with the 220. After final sanding, hold each section up to a light to check for scratches, which will show up when stain is applied. Repair sanded areas if needed.

Now rub each section with 000 super-fine steel wool. This should give each section a nice soft shiny finish. Finally, we buff the section with a large, soft flannel wheel (again with the grain).

(6) Stain Application

The stain we use was supplied by Schreiber, though hardware stores carry good quality brands of wood stains. Cherry mahogany seems to be a good color, consistent with most companies. Always test a small area first.

- Make sure wood is free of dust, etc. (Use a tackcloth)
- Use a soft cloth and apply stain by hand, working quickly to avoid the cloth sticking to the drying stain. Avoid streaks and work toward a consistent color. For a light shade, use less stain and visa-versa. After stain dries, touch up needed areas for an even color.

(7) Finishing

We use "Birchwood Casey Tru-Oil Gunstock Finish". This comes in liquid or spray form. After stain dries, pour finish into hand and rub with even strokes over entire section. Avoid using too much oil as this will result in runs. Wipe excess oil from tone holes, etc. with pipe cleaner. Allow to dry in a dust free area, we use a cabinet covered with plastic. Once dried, rub with fine steel wool and repeat with another coat of finish. Watch and repair runs! Approximately 5-6 coats will result in a very smooth, shiny finish. Finally, apply a coat of Birchwood Casey Gunstock Wax and hand rub the shine.

Remove tape from sections and clean off any excess oil where needed. Install posts carefully, according to schematic, and continue with final assembly.

With patience this procedure will result in a quality job.

OBOE PARTS

W100	Pivot Screws
W101	Adjusting Screw – Plain
W102	Adjusting Screw – Teflon Tip
W103	Adjusting Screw Lug
W104	Thumb Rest
W105	Reed Receiver

BASSOON PARTS

W200	Pivot Screws – Stainless
W201	Pivot Screws – Delrin
W202	Post Locking Screws
W208	Bell Ring – 1.75" ID x 2.25" ID
W209	Roller – Black Delrin, ¾" long
W210	Left Hand Whisper Key Lock Ass'y
W211	Spring for Left Hand Lock
W212	Right Hand Whisper Key Lock Ass'y
W213	Right Hand Lock Handle & Pin
W215	Body Lock Assembly
W216	Body Lock Pin & Spring – only
W217	Neck Strap Ring – screws into body
W218	Seat Strap Ring – fits around boot cap
A303	Seat Strap w/Ring
W219	Hand Crutch Assembly
W220	Hand Crutch only – 3/16" post
W221	Hand Crutch Bracket & Screws
A443	Hand Crutch Lock Screw – Specify Nickel Plate
W230	Low E Guard (wraps over rod)
W231	A Tone Hole Guard (4 screws, 2 on ea. end)
W232	G# Tone Hole Guard (curved, 2 screws)
W233	Foot Guard
W234	Low D Guard
W235	Bb Guard
W236	Ab/Bb Trill Guard
W237	C# Trill Guard

Bassoon Refinishing By Dennis Grams

(1) Removal of Hardware

- Remove keys, rings, boot cap and plates.
- Using soft wood or styrofoam, draw a schematic to store rods, pivot screws and posts in order to avoid confusion when reassembling.

- (2) **Cover all areas not to be refinished** with masking tape, i.e. tone holes, octave vents tenons, finger chimneys.

(3) Removal of old finish

- We use a liquid paint stripper, "Strip X" or similar compound, following container directions. Brush the remover on, one section at a time, allow to set 10-30 min.
- Scrape away old finish using a dull edge. (We use the plain side of a metal straight edge.) Be sure to scrape

All Gemeinhardt flutes:

“2” = closed hole
 “3” = open hole (French)
 “NP” = nickel plate
 “SP” = silver plate
 “SH” = solid silver head
 “SB” = solid silver head, body & foot
 “SS” = solid silver head, body, foot & keys
 “B” in the model # indicates a B foot joint

FLUTE

PLATEAU MODELS – 2SP, 2NP & 2SH

(Covered Holes – Specify Silver or Nickel Finish)

BODY PARTS – Less Keys

M124*	Body – Nickel Plate – 2NP
M125*	Body – Silver Plate – 2SP
M126	C Foot – Nickel Plate – 2NP
M127	C Foot – Silver Plate – 2SP
M128	Head – Nickel Plate – 2NP
M129	Head – Silver Plate – 2SP
M150	Head – Solid Silver – 2SH
M151	Barrel Engraved – All Models
M135	Lip Plate – with Riser

* New Style Bb Thumb Key Lever - post rib for thumb keys is parallel to body and other ribs

SCREWS & SHAFTS (Hinge Rods)

M103	Adjusting Screws (sold in dozens)
M104	Pivot Screws (sold in dozens)
A255	Flat Spring Screw (sold in dozens)
A285	Pad Screws (sold in dozens)
M108*	Trill Shaft
M109*	Left Hand Shaft
M110*	Right Hand Shaft
M131	High C Shaft
M139	GA Key Shaft
M107	Thumb Shaft
M132	G# Shaft
M130	C Foot Shaft
M161	B Foot Shaft
M133	Shaft Set
M105	Roller Screw – New Style (.791" long)

* Not drilled for Knock pins, you must drill them

KEYS

M111	Trill Section Complete
M152	C#-D# Trill Key
M153	C-D Trill Key
M154	C#-D# Trill Spatula
M112	Left Hand Section – Complete
M155	Bb Key (LH Section)
M149	A Key (LH Section)
M156	Aux Bb Key (LH Section)
M113	Right Hand Section – Complete
M157	F# Key (RH Section)
M158	F Key (RH Section)
M159	E Key (RH Section)

M160	D Key (RH Section)
M114	C Key (Body)
M115	B Thumb Key – Old Style
M116	Bb Thumb Lever – Old Style
M115-N*	B Thumb Key – New Style
M116-N*	Bb Thumb Lever – New Style
M117	G Key
M118	G# Key
M119	D# Key (Foot Joint)
M122	C# Key (Foot Joint)
M123	C Key (Foot Joint)
* New Style Bb Thumb Key Lever - post rib for thumb keys is parallel to body and other ribs	

OTHER

M162-N	Head Crown – Gemeinhardt – Nickel
M162	Head Crown – Gemeinhardt – Silver
A282-S	Head Crown – Universal – Silver
A282-N	Head Crown – Universal – Nickel
A283	Head Crown w/Cork Assembly,
A474	Head Cork (sold in dozens)
A284	Key Pad Nuts (sold in dozens)
A286	Pad Washer – metal (sold in dozens)
A279	Flat Spring for Thumb Keys
M106	Roller – New Style w/Nib (.636" long)
M105	Roller Screw – New Style (.791" long)
M163	Pinning Needles (Knock Pins)

PAD SETS – SEE PAD SECTION

FRENCH MODELS – 3, 3B, 3SH & 3SHB

Open Hole – All Parts Are Silver Plated

BODY PARTS – Less Keys

M165	Body (in-line G)
M127	C Foot Joint
M164	B Foot Joint
M129	Head Joint
M150	Head Joint – Solid Silver

SCREWS & SHAFTS (Hinge Rods)

Same as 2 Series

KEYS

M148	Trill Key Section – Complete
M166	C#-D# Trill Key
M167	C-D Trill Key
M154	C#-D# Trill Spatula
M183	Left Hand Section – Complete (inline G)
M168	Bb Key (LH Section)
M169	A Key (LH Section)
M170	Aux Bb Key (LH Section)
M184	Right Hand Section – Complete
M171	F# Key (RH Section)
M172	F Key (RH Section)
M173	E Key (RH Section)
M174	D Key (RH Section)

M175	C Key (Body)
M176	B Thumb Key
M116	Bb Thumb Lever
M177	G Key
M178	G# Key
M179	D# Key (C Foot)
M180	C# Key (C Foot)
M181	C Key (C Foot)
M143	Low D# Key (B Foot)
M142	Low C Key (B Foot)
M141	Low C# Key (B Foot)
M182	Low B Key (B Foot)

OTHER

M144	Roller – Low B Key Only – no nib (.545" long)
M145	Roller Screw – Low B (.672" long)
M185	Open Hole Pad Grommets (retainers – sold in dozens)
M102	Plastic Tone Hole Plugs (set of 5)
Other Parts Same as Model 2	

PAD SETS – SEE PAD SECTION

PICCOLOS MODEL 4P, 4PMH & 4SP

(All Parts Silver Plated)

BODY PARTS

M201	Head – Plastic – 4P
M136	Head – Silver Plate – 4PMH & 4SP
M202	Body – Plastic – 4P & 4PMH
M203	Body – Silver Plate – 4SP
M137	Lip Plate

SCREWS & SHAFTS (Hinge Rods)

M104	Pivot Screws (sold in dozens)
M211	Rib Screws (sold in dozens)
M204*	Trill Shaft
M206*	Left Hand Shaft
M207*	Right Hand Shaft
M205	C Shaft
M208	D# Shaft
M209	Thumb Shaft
M210	G# Shaft

* Not drilled for Knock pins, you must drill them

KEYS

Metal Body Only

M212	Trill Section – Complete
M213	Left Hand Section – Complete
M214	Right Hand Section – Complete
M215	C Key
M216	B Thumb Key
M217	Bb Thumb Lever
M218	G# Key
M219	D# Key

Plastic Body Only

M220	Trill Section – Complete
M221	Right Hand Section – Complete
M222	Left Hand Section – Complete
M223	C Key
M224	Bb Thumb Key
M225	Bb Thumb Lever
M226	G# Key
M227	D# Key

OTHER

M120	Head Crown – Metal
M230	Head Crown – Plastic
M121	Head Crown w/Cork Assembly – Metal
A468	Head Crown Cork (sold in dozens)

PAD SETS – SEE PAD SECTION

Flute Repadding

INSPECT FLUTE. I make it a rule to always slide a body mandrel inside the flute to check for dents, pushed in posts, and bent bodies. This will save time later and enable you to give an accurate estimate. Also when possible, check with your customer how they like their spring tension. In this way they feel

they are getting a custom job. It is important that just enough tension is used on the G#, trills, and D# keys to hold them closed during playing. Too light, they blow open, too heavy and this will cause a deep seat and a sticky pad.

TEAR DOWN. As you remove each key, check for end play and lost motion in the key mechanism. Use your swedging pliers or counterbores as necessary to insure proper fitting of the keys. Sloppy fitting keys will cause problems when it comes time to seat the pads and adjust the instrument. Remove key corks and pads (note the pad thickness for later repadding) and also remove all the pins in the key mechanism to remove all the dirt, old oil and rust from rods.

CLEANING. Whatever method of cleaning you use, do a thorough job. Many times a customer looks at how nice it looks rather than the actual playing of the instrument. We like to go one step farther and lightly buff the body with rouge using a chamois buff. Note: Our A892 silver dip is exceptional for cleaning silver plated flute bodies and keys. Do not use on nickel plated flutes.

SET-UP. Now that everything is clean, check for joint fitting. Again, check with your customer and note the age of the player. That little fifth grader needs a looser fitting joint. Set up and install pins in key sections making sure keys are not loose and pins are tight.

CORKING. Lay out all your keys and cork them at this time. The recommended cork thickness for each key is covered in #7 ASSEMBLY. Also install a new head cork. A little wax on the cork will help make it last and seal longer.

PADDING. Selection of the correct pad thickness is of the utmost importance. Using shims, match the pad thickness to what was just removed. Install the pad making sure it fits snug and level in the pad cup. Next install washers and screws or the grommets on open hole flutes. It is important to install each grommet back to the same key. They all fit differently and the grommets must fit snugly. We have also noticed the use of adhesive between the pad and pad washer on several import pro line flutes. It helps give an extra tight seal. Also you can use a very small, thin washer between the pad screw and washer. Your trill and C key pads are glued in, but make sure they are floated into the correct thickness. Next wet pads down and then with a dry cloth pat out the excess water and wrinkles. Also, the use of a pad iron, will give you a nice smooth pad. Do not overheat the iron for it will burn the skin of the pad causing a leak. Whether it be half shims, whole shims or bending of the key cup, make sure as you install each key the pad is covering the tone hole before making any adjustments.

ASSEMBLY G# KEY. Apply cork 1/16" under key foot, opening key to 3/32". Double check that the key is not leaking in the back for this is a common problem. **C# and D# trills.** Cut a wedge from 13/16" diameter cork which is placed under trill spatula, opening keys to 1/16". Right hand section D, E, F and F# keys, cork 1/16" under key feet. Adjust F key to open to 3/32". Then adjust F and F# keys to close together. If the E and F# keys start moving together with no lost motion, but the F key has lost motion between the F and F# keys, sand the foot cork on the E key to raise the key eliminating lost motion between the F and F# keys. The opposite

would be if there was lost motion between the F and F# keys. Since the F key is already at the correct height, do not touch the cork. It then becomes necessary to install a thicker cork or bend the E foot key down eliminating the lost motion. The D key is then adjusted with the F# key and the key height is adjusted by taking out the lost motion the same as on the E key. On instruments without adjustments screws we use flute shims in the .001, .002, .003, etc. thickness. By cutting a shim into a C shape, slip it under the key above the stop plate. Find the correct thickness for proper adjustment, remove the key and glue in the shim. This method also works well on piccolos. **G Key.** Apply cork 1/16" under foot, opening key to 3/32". If one key is open and the other closed use your pad slick and bend the key. After any bending make sure you go back and check if the pads are still individually closing. **C Key.** Apply cork 1/16" under foot, opening key to 1/16". **Left hand A and Bb Key.** Cork 1/16" under A key foot and 1/64" under both Bb adjusting areas. Adjust C key rod to hold left hand section in place with no play. This rod has been notorious for backing out causing the keys to wobble. Three methods for repairing this problem are (1). Spread the slot in rod head slightly causing the head to fit snug in the post. (2). Use a small drop of lock tight on the end of the rod. To remove, just heat post and rod turns right out. (3). In extreme cases, drill hole in the side of post, tap and install the old fashion Conn set screw. Next adjust F and Bb keys to close together and then the A and Bb keys. Now check for lost motion. If the A key moves before the Bb add cork or bend foot of the A key to eliminate lost motion. If the A key is holding the Bb down causing lost motion between the F and Bb key sand cork of A key foot to bring the Bb adjusting arm down to meet the F key foot. B thumb and Bb thumb lever. Apply cork 1/16" under Bb lever foot and use felt or 1/64" cork under lever spatula. Adjust B to close with the Bb key by bending Bb thumb lever or Bb adjusting arm and in some cases both. Make sure Bb thumb lever spatula touches the top of the B key flat for a solid smooth feel. Again the lost motion must be removed. If the Bb thumb lever is holding the Bb closed causing play between the A and Bb key and the Bb and F key, sand cork from the Bb thumb lever foot. Add cork if there is play between the Bb thumb lever and the Bb key.

FOOT JOINT D#. Apply cork 1/4" under foot. C Key. Apply 1/16" cork under key foot and 1/64" under adjusting arm. Adjust C and C# key to close together by bending spatula making sure they stay on a level plane with the body. Adjust C key to open to 1/8". Then adjust the D# spatula to be in the same plane as the C and C# keys. Adjust cork on D# key for an opening of 1/8".

PAD SEATING. Now that everything is adjusted and covering properly, seat your pads. There are many different methods so use what is best for you. I like to wet the pads, clamp lightly and put into a pad oven. Make sure no excess water gets onto key mechanisms causing rust.

A little soap in the water will help prevent sticky pads. After pads are seated go back and check your adjustments and pad seating. The recommended key heights are only a guideline. The final test is determined by playing. Finally wipe down the flute with a mixture of alcohol and Electro Silicon. This leaves a light film that is then buffed off with rouge on a chamois wheel leaving a nice looking job.

CORNET PARTS

381 Bb CORNET (300 Series)

481 Bb CORNET (400 Series)

MOUTHPIPE PARTS

G-03943-0	Mouthpipe Assembly
G-03974-0	Mouthpipe Tube
G-03904-0	Mouthpiece Receiver
G-04905-0	Finger Hook
A920	Waterkey Assembly

SLIDE PARTS

G-05341-L	1st Slide Assembly (1 inner/1 outer) – Lacquer
G-05341-S	1st Slide Assembly (1 inner/1 outer) – Silver
G-05359-L	2nd Slide Assembly – Lacquer
G-05359-S	2nd Slide Assembly – Silver
G-05360-L	3rd Slide Assembly – Lacquer
G-05360-S	3rd Slide Assembly – Silver
G-05349-L	Tuning Slide Assembly – Lacquer
G-05349-S	Tuning Slide Assembly – Silver
G-05122-0	1st or 3rd Crook
G-05122-S	1st or 3rd Crook – Silver
G-05123-0	2nd Slide Crook
G-05123-S	2nd Slide Crook – Silver
G-05204-0	Tuning Slide Crook
G-04137-0	1st Slide Ferrule
G-04134-0	2nd Slide Ferrule
G-04135-0	3rd Slide Ferrule
G-04203-0	Tuning Slide Ferrule
G-04351-0	1st Slide Inside Tube
G-04588-0	1st Slide Outside Tube
G-04139-0	2nd Slide Inside Tube
G-04136-0	2nd Slide Outside Tube
G-04429-0	3rd Slide Inside Tube
G-04584-0	3rd Slide Outside Tube
G-04135-0	3rd Slide Sleeve
G-13371-0	3rd Slide Stop Ring
G-04379-0	Tuning Slide Inside Tube – Upper
G-04355-0	Tuning Slide Inside Tube – Lower
G-04574-0	Tuning Slide Outside Tube – Upper
G-04578-0	Tuning Slide Outside Tube – Lower
G-04921-0	Slide Pull Knob
G-04962-0	Lyre Holder
G-01481-N	Lyre Holder Screw – Nickel
G-05113-0	Upper Tuning Slide Tube Knuckle
G-04138-0	Upper Tuning Slide Knuckle Ferrule
A1659	Slide Bumper Ring – rubber
A920	Waterkey Assembly

VALVE SECTION PARTS

G-01610-N	Top Cap – Nickel
G-01710-N	Bottom Cap – Nickel
G-01510-N	Finger Button – Nickel
G-03403-0	#1 Piston
G-03404-0	#2 Piston
G-03405-0	#3 Piston
G-01200-0	Piston Guide
G-11099-0	Piston Spring
G-01105-0	Stem Felt
G-01106-0	Top Cap Pad

BRACES

G-05640-0	Receiver to Bell Brace
G-05618-0	Valve to Bell Brace – Rear
G-05626-0	Valve to Bell Brace – Front
G-05619-0	Valve to Mouthpipe Brace
G-05700-0	Mouthpipe to 3rd Brace Flange
G-05760-0	Mouthpipe to 3rd Brace Rod
G-05605-0	Bell to 1st Brace
G-05603-0	Tuning Slide to 1st Brace
G-05604-0	1st or 3rd Slide Brace

BELL PARTS (bells have “shepherds” crook)

G-06400-0	Bell – Engraved 300 Series
G-06407-0	Bell – Engraved 400 Series
G-04203-0	Bell Ferrule

580 Bb CAPRI CORNET

MOUTHPIPE PARTS

G-03944-0	Mouthpipe Assembly
G-03974-0	Mouthpipe Tube
G-03903-0	Mouthpiece Receiver
G-04905-0	Finger Hook
A920	Waterkey Assembly

SLIDE PARTS

G-05407-L	1st Slide Ass’y – No Trigger – Lacquer
G-05361-L	Tuning Slide Assembly – Lacquer
G-05204-0	Tuning Slide Crook
G-04203-0	Tuning Slide Ferrule
G-04381-0	3rd Slide Inside Tube
G-04354-0	Tuning Slide Inside Tube – Lower
G-04381-0	Tuning Slide Inside Tube – Upper
G-04575-0	Tuning Slide Outside Tube – Lower
G-04576-0	Tuning Slide Outside Tube – Upper
G-05205-0	Return Crook
G-04138-0	Return Crook Ferrule
Other parts same as 590 Trumpet	

VALVE SECTION PARTS

Same as 590 Trumpet

BRACES

Same as 381 Cornet

BELL

G-06402-0	Bell – Engraved – Shepherd Crook
G-04203-0	Bell Ferrule

782 Bb ETERNA II CORNET

MOUTHPIPE PARTS

G-02002-0	Mouthpipe
G-12990-0	Mouthpiece Receiver
G-04905-0	Finger Hook

SLIDE PARTS

G-05308-0	1st Slide Assembly
G-05374-0	2nd Slide Assembly
G-05434-0	3rd Slide Assembly
G-13314-0	Main Tuning Slide Assembly
G-05204-0	Main Tuning Slide Crook
G-05122-0	Crook – 1st or 3rd Slides
G-05123-0	Crook – 2nd Slide
G-04983-0	3rd Slide Push Rod (Finger Ring)

VALVE PARTS

Same as 381/481 Cornet

BRACES

G-05640-0	Receiver to Bell Brace
G-05617-0	Valve to Bell Brace
G-05633-0	Valve to Mouthpipe Brace
G-05633-0	Tuning Slide Tube to Mouthpipe Brace
G-05635-0	Bell to 1st Brace
G-05637-0	Mouthpipe to 3rd Brace Flange
G-05760-0	Mouthpipe to 3rd Brace Rod
G-13645-0	1st, 3rd or Tuning Slide Brace

BELL

G-06402-1	Bell
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800 Bb ETERNA CORNET

MOUTHPIPE PARTS

G-03941-0	Mouthpipe Assembly – Gold Brass
G-03971-0	Mouthpipe Tube – Gold Brass
G-12990-0	Mouthpiece Receiver
G-04905-0	Finger Hook
A920	Waterkey Assembly

SLIDE PARTS

A920	Waterkey Assembly
G-05318-S	1st Slide Assembly – Silver
G-05318-L	1st Slide Assembly – Lacquer
G-05309-S	2nd Slide Assembly – Silver
G-05309-L	2nd Slide Assembly – Lacquer
G-13588-S	3rd Slide Assembly – Silver
G-13588-L	3rd Slide Assembly – Lacquer
G-05355-S	Tuning Slide Assembly – Silver
G-05355-L	Tuning Slide Assembly – Lacquer
G-05122-0	1st, 3rd or Tuning Slide Crook
G-05123-0	2nd Slide Crook
G-05205-0	Return Crook
G-04138-0	Return Crook Ferrule – Upper
G-04158-0	Return Crook Ferrule – Lower
G-04155-0	1st Slide Ferrule – Upper
G-04155-0	1st Slide Ferrule – Lower
G-04157-0	2nd Slide Ferrule
G-04153-0	3rd or Tuning Slide Ferrule
G-04375-0	1st Slide Inside Tube
G-04614-0	1st Slide Outside Tube – Upper
G-04613-0	1st Slide Outside Tube – Lower
G-04414-0	2nd Slide Inside Tube
G-04617-0	2nd Slide Outside Tube
G-04359-0	3rd Slide Inside Tube – Upper

G-04381-0	3rd Slide Inside Tube – Lower
G-04595-0	3rd Slide Outside Tube – Upper
G-04594-0	3rd Slide Outside Tube – Lower
G-13372-0	3rd Slide Stop Ring
G-04380-0	Tuning Slide Inside Tube
G-04593-0	Tuning Slide Outside Tube – Upper
G-04592-0	Tuning Slide Outside Tube – Lower
G-04921-0	Slide Pull Knob
G-04949-0	3rd Slide Finger Ring
G-04959-0	1st Slide Thumb Hook
G-04962-0	Lyre Holder
G-01481-N	Lyre Holder Screw – Nickel
A1659	Slide Bumper Ring

1ST TRIGGER PARTS

G-01440-N	Trigger
G-04814-0	Trigger Saddle
G-01450-0	Trigger Hinge Screw
G-01453-0	Trigger Linkage Screw
G-01330-0	Trigger Spring
G-04855-0	Trigger Post
G-04860-0	Trigger Cover – Black
G-07442-0	Linkage Rod – Threaded
G-12488-0	Linkage Rod Bearing End
G-12495-0	Linkage Rod Nut

VALVE SECTION PARTS

Same as the 590 Capri Trumpet

BRACES

Same as 782 Cornet

BELL

G-06403-0	Bell – Engraved
G-06404-0	Bell – Gold Brass – Engraved
G-04203-0	Bell Ferrule

800 Bb ETERNA LARGE BORE CORNET

(Discontinued production Jan. 2002)

MOUTHPIPE PARTS

Same as 800 Cornet

SLIDE PARTS

G-05340-S	1st Slide Assembly – Silver
G-05340-L	1st Slide Assembly – Lacquer
G-05377-S	2nd Slide Assembly – Silver
G-05377-L	2nd Slide Assembly – Lacquer
G-13587-S	3rd Slide Assembly – Silver
G-13587-L	3rd Slide Assembly – Lacquer
G-05356-S	Tuning Slide Assembly – Silver
G-05116-0	1st, 3rd or Tuning Slide Crook
G-05115-0	2nd Slide Crook
G-04361-0	1st Slide Inside Tube
G-04374-0	2nd Slide Inside Tube
G-04373-0	3rd Slide Inside Tube – Upper
G-04360-0	3rd Slide Inside Tube – Lower
G-04360-0	Tuning Slide Inside Tube
Other slide parts same as 800 Cornet	

VALVE SECTION PARTS

G-03403-0	#1 Piston
G-03404-0	#2 Piston
G-03405-0	#3 Piston
Other valve parts same as 800 Cornet	

BRACES

G-13645-0	1st Slide Brace
G-13645-0	Bell to 1st Brace
Other brace parts same as 800 Cornet	

BELL

Same as 800 Cornet

850 Bb ETERNA LARGE BORE CORNET

(Discontinued production Jan. 2002)

MOUTHPIPE PARTS

G-08710-0	Mouthpipe Assembly
G-08705-0	Mouthpipe Tube
G-12990-0	Mouthpiece Receiver
G-04904-0	Finger Hook
A920	Waterkey Assembly

SLIDE PARTS

A920	Waterkey Assembly
G-08706-L	1st Slide Assembly – Lacquer
G-08706-S	1st Slide Assembly – Silver
G-05123-0	1st, 2nd or 3rd Slide Crook
G-05105-0	Tuning Slide Crook
G-04103-0	Tuning, 1st or 3rd Slide Ferrule
G-04223-0	2nd Slide Ferrule
G-04510-0	Tuning Slide Sleeve
G-08701-0	1st Slide Inside Tube
G-04506-0	1st Slide Outside Tube
G-08702-0	2nd Slide Inside Tube
G-04508-0	2nd Slide Outside Tube
G-08703-0	3rd Slide Inside Tube
G-04514-0	3rd Slide Outside Tube
G-04529-0	Tuning Slide Inside Tube – Lower
G-04530-0	Tuning Slide Inside Tube – Upper
G-08704-0	Tuning Slide Outside Tube
G-04921-0	Slide Pull Knob
A1659	Slide Bumper Ring – rubber
G-04962-0	Lyre Holder
G-01481-N	Lyre Holder Screw

1ST TRIGGER PARTS

G-01440-N	1st Trigger Lever
G-04814-0	1st Trigger Saddle
G-01453-0	1st Trigger Hinge Screw
G-01330-0	1st Trigger Spring
G-07443-0	Linkage Rod – Threaded
G-12495-0	Linkage Rod Nut
G-01453-0	Linkage Screw
G-12488-0	Linkage Rod Bearing End
G-13582-0	1st Trigger Post
G-04860-0	Trigger Cover

3RD TRIGGER PARTS

G-01461-0	3rd Trigger Assembly
G-01214-0	3rd Trigger Lever
G-01450-0	3rd Trigger Hinge Screw
G-01330-0	3rd Trigger Spring
G-01212-0	3rd Trigger Post
G-04860-0	Trigger Cover
G-07383-0	Linkage Rod Assembly
G-07455-0	Linkage Rod – Threaded
G-12495-0	Linkage Rod Nut
G-01453-0	Linkage Screw
G-12488-0	Linkage Rod Bearing End

VALVE SECTION PARTS

G-01610-N	Top Cap – Nickel
G-01710-N	Bottom Cap – Nickel
G-01510-N	Finger Button – Nickel
G-03449-0	#1 Piston
G-03450-0	#2 Piston
G-03451-0	#3 Piston
G-03590-0	Piston Stem
G-01200-0	Piston Guide
G-11099-0	Piston Spring
G-01106-0	Top Cap Pad

BRACES

G-05604-0	1st Slide Spacer or 1st Slide to Bell
G-05609-0	3rd Slide Spacer
G-05800-0	Receiver to Bell Brace Flange
G-05775-0	Receiver to Bell Brace Rod
G-05614-0	Lower T.S. to Valve Brace
G-05606-0	Upper T.S. and Mouthpipe to Valve Brace
G-05607-0	Bell to Valve Brace

BELL

G-05976-0	Bell – Engraved – Rose Brass
G-04203-0	Bell Ferrule

3850 CUSTOM SERIES CORNET

MOUTHPIPE PARTS

G-13736-0	Mouthpipe Assembly
G-12990-0	Mouthpiece Receiver
G-04905-0	Finger Hook

SLIDE PARTS

G-13325-L	Main Tuning Slide Ass'y – Lacquer
G-13325-S	Main Tuning Slide Ass'y – Silver
G-13323-L	1st Slide Assembly – Lacquer
G-13323-S	1st Slide Assembly – Silver
G-13322-L	2nd Slide Assembly – Lacquer
G-13322-S	2nd Slide Assembly – Silver
G-13324-L	3rd Slide Assembly – Lacquer
G-13324-S	3rd Slide Assembly – Silver
G-01481-N	Lyre Screw
A920	Waterkey Main Tuning Slide

1ST SLIDE TRIGGER PARTS

G-01440-N	Trigger
G-04860-0	Trigger Cover (Black)
G-01450-0	Trigger Hinge Screw
G-01330-0	Spring
G-12488-0	Linkage Rod End Bearing
G-01453-0	Linkage Bearing Screw
G-07443-0	Linkage Rod
G-12495-0	Linkage Rod Nut

3RD SLIDE TRIGGER PARTS

G-01440-N	Trigger
G-01111-0	Trigger Cover (Black)
G-01450-0	Trigger Hinge Screw
G-01332-0	Spring
G-12488-0	Linkage Rod End Bearing
G-01453-0	Linkage Bearing Screw
G-07443-0	Linkage Rod (Bent)
G-12495-0	Linkage Rod Nut

VALVE SECTION PARTS

G-01103-N	Finger Button
G-01612-N	Top Cap
G-01713-N	Bottom Cap
Other parts same as 590 Trumpet	

BRACES

G-05606-0	Valve to Mouthpipe
G-05607-0	Valve to Bell
G-05800-0	Brace Socket – 2 needed
G-05788-0	Brace Rod

BELL PARTS

G-05952-0	Bell – Engraved
G-04227-0	Bell Ferrule

810C ETERNA C CORNET

(Discontinued production Jan. 2002)

MOUTHPIPE PARTS

Same as 800 Bb Cornet

SLIDE PARTS

G-05362-S	1st Slide Assembly – Silverplate
G-05362-L	1st Slide Assembly – Lacquer
G-05363-S	2nd Slide Assembly – Silverplate
G-05363-L	2nd Slide Assembly – Lacquer
G-05365-S	3rd Slide Assembly – Silverplate
G-05365-L	3rd Slide Assembly – Lacquer
G-05364-S	Tuning Slide Assembly – Silverplate
G-05122-0	1st or 3rd Slide Crook
G-05123-0	Tuning or 2nd Slide Crook
G-04131-0	1st or 3rd Slide Ferrule – 7/16"
G-04141-0	2nd Slide Ferrule
G-04129-0	3rd Slide Ferrule – 1 1/16"
G-04145-0	Tuning Slide Ferrule

G-04376-0	1st Slide Inside Tube
G-04600-0	1st Slide Outside Tube
G-04363-0	2nd Slide Inside Tube
G-04149-0	2nd Slide Outside Tube
G-04426-0	3rd Slide Inside Tube – Upper
G-04381-0	3rd Slide Inside Tube – Lower
G-04642-0	3rd Slide Outside Tube – Upper
G-04643-0	3rd Slide Outside Tube – Lower
G-04375-0	Tuning Slide Inside Tube – Upper
G-04426-0	Tuning Slide Inside Tube – Lower
G-04596-0	Tuning Slide Outside Tube – Upper
G-04643-0	Tuning Slide Outside Tube – Lower
G-05114-0	T.S. Return Knuckle
G-04145-0	T.S. Return Knuckle Ferrule
Other slide & trigger parts same as 800 Cornet	

VALVE SECTION PARTS

Same as 800 Cornet

BRACES

G-13645-0	3rd & T.S. Spacer Brace
G-13645-0	1st to Bell Brace
G-05636-0	3rd Slide Stop Brace
Other brace parts same as 800 Cornet	

BELL

G-06406-0	Bell – Engraved
G-04203-0	Bell Ferrule

892 ETERNA – Eb SOPRANO CORNET

(Discontinued production Jan. 2002)

MOUTHPIPE PARTS

A920	Waterkey Assembly
G-05112-0	Mouthpipe Tube
G-04046-0	Mouthpipe Receiver Tube
G-04023-N	Mouthpipe Extension – Nickel
G-04094-0	Mouthpipe Clamp
G-01410-N	Mouthpipe Clamp Screw – Nickel
G-04904-0	Finger Hook
G-05114-0	Mouthpipe Knuckle
G-04617-0	Mouthpipe Ferrule
G-04136-0	Knuckle Ferrule

SLIDE PARTS

A920	Waterkey Assembly
G-05451-S	1st Slide Assembly – Silver
G-05451-L	1st Slide Assembly – Lacquer
G-05452-S	3rd Slide Assembly – Silver
G-05452-L	3rd Slide Assembly – Lacquer
G-05123-0	1st, 2nd or 3rd Slide Crook
G-04157-0	1st Slide or 2nd Crook Ferrule
G-04601-0	3rd Slide Ferrule
G-04366-0	1st Slide inside Tube
G-04603-0	1st Slide Outside Tube
G-04426-0	3rd Slide Inside Tube
G-04367-0	3rd Slide Outside Tube

G-04939-0	3rd Slide Stop Plate
G-04942-0	3rd Slide Stop Screw Plate
G-01402-S	3rd Slide Stop Screw
G-04962-0	Lyre Holder
G-01481-N	Lyre Holder Screw – Nickel
G-04949-S	3rd Slide Ring
A1659	Slide Bumper Ring
G-04203-0	Bell Ferrule

TRIGGER PARTS

G-04835-N	Trigger Bar
Other trigger parts same as 800 Cornet	

VALVE SECTION PARTS

All valve section parts same as 800 Cornet

BRACES

G-13645-0	3rd Slide or Bell to 1st Slide Brace
G-05617-0	Valve to Bell Brace
G-05633-0	Mouthpipe to Valve Brace
G-05628-0	Receiver to Bell Brace Flange – Small
G-05705-0	Receiver to Bell Brace Flange – Large
G-05553-0	Receiver to Bell Brace Rod

AMADO WATERKEY PARTS

A920	Waterkey Assembly
A920-S	Waterkey Assembly – Silver
A922	Retaining disk
A923	Retaining ring (C-clip)
A924	Spring
A925	Piston

TRUMPET PARTS

390 Bb Trumpet (300 series)

490 Bb Trumpet (400 series)

(Parts also will work on old 190, 290 & Elkhorn trumpets)

MOUTHPIPE PARTS

G-04074-0	Mouthpipe Assembly – 300 Series
G-13570-0	Mouthpipe Assembly – 400 Series
G-04042-0	Mouthpipe Tube – Nickel – 300 Series
G-13568-0	Mouthpipe Tube – Gold Brass – 400 Series
G-04009-0	Mouthpiece Receiver
G-04904-0	Finger Hook

SLIDE PARTS

G-05341-L	1st Slide Assembly (1 inner/1 outer) – Lacquer
G-05341-S	1st Slide Assembly (1 inner/1 outer) – Silver
G-05358-L	1st Slide Assembly (2 inners) – Lacquer
G-05358-S	1st Slide Assembly (2 inners) – Silver
G-05359-L	2nd Slide Assembly – Lacquer
G-05359-S	2nd Slide Assembly – Silver
G-05360-L	3rd Slide Assembly – Lacquer
G-05360-S	3rd Slide Assembly – Silver
G-05357-L	Tuning Slide Assembly – Lacquer

G-05357-S	Tuning Slide Assembly – Silver
G-05122-0	1st or 3rd Slide Crook
G-05123-0	2nd Slide Crook
G-05203-0	Tuning Slide Crook
G-04137-0	1st Slide Ferrule
G-04134-0	2nd Slide Ferrule
G-04133-0	Tuning Slide Ferrule
G-04351-0	1st Slide Inside Tube
G-04588-0	1st Slide Outside Tube
G-04139-0	2nd Slide Inside Tube
G-04136-0	2nd Slide Outside Tube
G-04429-0	3rd Slide Inside Tube
G-04584-0	3rd Slide Outside Tube
G-04135-0	3rd Slide Outside Sleeve/Ferrule
G-13371-0	3rd Slide Stop Ring
G-04350-0	Tuning Slide Inside Tube – Upper
G-04353-0	Tuning Slide Inside Tube – Lower
G-04582-0	Tuning Slide Outside Tube – Upper
G-04580-0	Tuning Slide Outside Tube – Lower
G-04962-0	Lyre Holder
G-01481-N	Lyre Holder Screw – Nickel
G-04983-0	3rd Slide Finger Ring w/ nib
G-04933-0	3rd Slide Stop Delrin
G-04921-0	Slide Pull Knob
A1659	Slide Bumper Ring – rubber
G-04959-0	Thumb Saddle
A920	Waterkey Assembly

VALVE SECTION PARTS

G-01610-N	Top Cap – Nickel
G-01710-N	Bottom Cap – Nickel
G-01510-N	Finger Button – Nickel
G-03403-0	#1 Piston
G-03404-0	#2 Piston
G-03405-0	#3 Piston
G-01200-0	Piston Guide
G-11099-0	Piston Spring
G-01105-0	Piston Stem Felt
G-01106-0	Top Cap Pad
G-03591-0	Piston Stem

BRACES

G-05640-0	Rear “S” Brace
G-05641-0	Front “S” Brace
G-05603-0	Tuning Slide to 3rd Brace
G-05626-0	Valve to Bell Brace
G-05625-0	Valve to Mouthpipe Brace
G-05605-0	Bell to 1st Brace
G-05604-0	1st & 3rd Slide Brace

BELL

G-06500-0	Bell – engraved – 300 series
G-06499-0	Bell – engraved – 400 series
G-04203-0	Bell Ferrule

590 CAPRI Bb TRUMPET

MOUTHPIPE PARTS

G-04077-0	Mouthpipe Assembly
G-04042-0	Mouthpipe Tube
G-04008-0	Mouthpiece Receiver
G-04904-0	Finger Hook

SLIDE PARTS

G-05319-L	1st Slide Assembly – Lacquer
G-05319-S	1st Slide Assembly – Silver
G-05371-L	1st Slide Assembly w/Saddle – Lacquer
G-05371-S	1st Slide Assembly w/Saddle – Silver
G-05329-L	2nd Slide Assembly – Lacquer
G-05329-S	2nd Slide Assembly – Silver
G-05339-L	3rd Slide Assembly – Lacquer
G-05339-S	3rd Slide Assembly – Silver
G-05328-L	Tuning Slide Assembly – Lacquer
G-05328-S	Tuning Slide Assembly – Silver
G-05122-0	1st or 3rd Slide Crook
G-05123-0	2nd Slide Crook
G-05203-0	Tuning Slide Crook
G-04131-0	1st Slide Ferrule
G-04145-0	2nd Slide Ferrule
G-04133-0	Tuning Slide Ferrule
G-04375-0	1st Slide Inside Tube
G-04602-0	1st Slide Outside Tube
G-04587-0	1st Slide w/Thumb Saddle – Outside Tube
G-04975-0	1st Slide Thumb Saddle
G-04414-0	2nd Slide Inside Tube
G-04130-0	2nd Slide Outside Tube
G-04381-0	3rd Slide Inside Tube
G-04598-0	3rd Slide Outside Tube
G-04350-0	Tuning Slide Inside Tube – Upper
G-04353-0	Tuning Slide Inside Tube – Lower
G-04583-0	Tuning Slide Outside Tube – Upper
G-04579-0	Tuning Slide Outside Tube – Lower
G-04597-0	3rd Slide Ferrule/Sleeve
G-13373-0	3rd Slide Stop Ring
G-04962-0	Lyre Holder
G-01481-N	Lyre Holder Screw – Nickel
G-04983-0	3rd Slide Finger Ring
G-04933-0	3rd Slide Stop – Delrin
G-04921-0	Slide Pull Knob
A1659	Slide Bumper Ring
G-04959-0	Thumb Saddle
A920	Waterkey

VALVE SECTION PARTS

G-01610-N	Top Cap – Nickel
G-01610-S	Top Cap – Silver
G-01710-N	Bottom Cap – Nickel
G-01710-S	Bottom Cap – Silver
G-01510-N	Finger Button – Nickel
G-01510-S	Finger Button – Silver

G-03403-0	#1 Piston
G-03404-0	#2 Piston
G-03405-0	#3 Piston
G-01200-0	Piston Guide
G-11099-0	Piston Spring
G-01105-0	Stem Felt
G-01106-0	Top Cap Pad
G-03591-0	Piston Stem

1ST SLIDE TRIGGER PARTS

G-01460-0	1st Slide Trigger Assembly
G-01440-N	Trigger – Nickel
G-04860-0	Trigger Cover – Black
G-04814-0	Trigger Saddle
G-01450-0	Trigger Hinge Screw
G-01330-0	Trigger Spring
G-13582-0	Trigger Post – solders into crook
G-07381-0	Trigger Bar Assembly
G-07443-0	Linkage Rod – Threaded
G-12495-0	Linkage Rod Nut – 2 needed
G-01453-0	Linkage Screw – 2 needed
G-12488-0	Linkage Rod Bearing End – 2 needed

BRACES

G-05640-0	Rear “S” Brace
G-05641-0	Front “S” Brace
G-05603-0	Tuning Slide to 3rd Brace
G-05618-0	Valve to Bell Brace
G-05619-0	Valve to Mouthpipe Brace
G-05605-0	Bell to 1st Brace
G-05605-0	1st or 3rd Slide Spacer Brace
G-05628-0	Tuning Slide Brace Socket – 2 needed
G-05761-0	Tuning Slide Brace Rod

BELL

G-06501-0	Bell – Engraved
G-04203-0	Bell Ferrule

ETERNA II ‘700 Series’ Bb TRUMPET

MOUTHPIPE PARTS

G-04082-0	Mouthpipe Assembly (12 5/8" Long)
G-04052-0	Mouthpipe Tube (9 1/8" long)
G-04904-0	Finger Hook
Other mouthpipe parts same as 900 Trumpet	

SLIDE PARTS

G-05308-S	1st Slide Assembly (1inner/1 outer) – Silver
G-05374-S	2nd Slide Assembly – Silver
G-05434-S	3rd Slide Assembly – Silver
G-05375-S	Tuning Slide Assembly – Silver
G-05122-0	1st or 3rd Slide Crook
G-04416-0	1st Slide Inside Tube
G-04348-0	2nd Slide Inside Tube
G-04417-0	3rd Slide Inside Tube

G-04615-0	3rd Slide Outside Tube
G-04159-0	3rd Slide Sleeve
G-04419-0	Tuning Slide Inside Tube – Upper
G-04418-0	Tuning Slide Inside Tube – Lower
G-04610-0	Tuning Slide Outside Tube – Upper
G-04612-0	Tuning Slide Outside Tube – Lower
G-04155-0	3rd Slide Ferrule
G-13372-0	3rd Slide Stop Ring
G-04186-0	Tuning Slide Ferrule
A1659	3rd Slide Rubber “O” Ring
Other slide parts same as 900 Trumpet	

VALVE SECTION PARTS

G-01614-S	Top Cap – Silver
G-01714-S	Bottom Cap – Silver
G-01510-S	Finger Button w/ Pearl – Silver
G-01509-0	Finger Button – all metal – Nickel
Other valve section parts same as 590 Trumpet	

BRACES

G-13645-0	1st Slide Brace
G-05629-0	Tuning Slide to 3rd Brace
Other braces same as 900 trumpet (diamond)	
(Round style braces see 390 Trumpet)	

BELL

G-06502-0	Bell – Engraved – Silver
G-04203-0	Bell Ferrule

700 SERIES “SPECIAL” Bb TRUMPET .460" Bore

MOUTHPIPE PARTS

G-03950-0	Mouthpipe Assembly
G-04041-0	Mouthpipe Tube
G-04008-0	Mouthpiece Receiver
G-04904-0	Finger Hook
G-04275-0	Dummy Tube (inside the outside tube)

SLIDE PARTS

G-05318-S	1st Slide Assembly – Silver
G-05309-S	2nd Slide Assembly – Silver
G-05436-S	3rd Slide Assembly – Silver
G-05437-S	Tuning Slide Assembly – Silver
G-05122-0	1st or 3rd Slide Crook
G-05123-0	2nd Slide Crook
G-05203-0	Tuning Slide Crook
G-04155-0	1st Slide Ferrule – Lower or Upper
G-04157-0	2nd Slide Ferrule
G-04155-0	3rd Slide Ferrule
G-13372-0	3rd Slide Stop Ring
G-04186-0	Tuning Slide Ferrule
G-04375-0	1st Slide Inside Tube
G-04614-0	1st Slide Outside Tube – Upper
G-04613-0	1st Slide Outside Tube – Lower
G-04414-0	2nd Slide Inside Tube
G-04617-0	2nd Slide Outside Tube
G-04381-0	3rd Slide Inside Tube
G-04615-0	3rd Slide Outside Tube

G-04159-0	3rd Slide Outside Sleeves
G-13372-0	3rd Slide Stop Ring
G-04386-0	Tuning Slide Inside Tube – Upper
G-04385-0	Tuning Slide Inside Tube – Lower
G-04610-0	Tuning Slide Outside Tube – Upper
G-04743-0	Tuning Slide Outside Tube – Lower
G-04962-0	Lyre Holder
G-01481-N	Lyre Holder Screw – Nickel
G-04959-0	1st Thumb Hook
G-04983-0	3rd Finger Ring
G-04933-0	3rd Slide Stop – Plastic
G-04921-0	Slide Pull Knob
A1659	Slide Bumper Ring – Rubber
A920	Waterkey Assembly

VALVE SECTION PARTS

G-01614-S	Top Cap – Silver
G-01714-S	Bottom Cap – Silver
G-01510-S	Finger Button – Silver
Other valve section parts same as 590 Trumpet	

BRACES

G-05640-0	Rear “S” Brace
G-05641-0	Front “S” Brace
G-05603-0	Tuning Slide to 3rd Brace
G-05618-0	Valve to Bell Brace
G-05619-0	Valve to Mouthpipe Brace
G-05603-0	Bell to 1st Brace
G-05700-0	Tuning Slide Brace Socket – 2 needed
G-05761-0	Tuning Slide Brace Rod
G-13641-0	1st Slide Brace
G-05605-0	3rd Slide Brace

BELL

G-13805-S	Bell – Engraved – Silver
G-04198-0	Bell Ferrule

We receive many inquiries about the old “Severinsen Eterna” model trumpets. Because this model is no longer made please read the following regarding the parts for this model.

Mouthpipes	Use
Serial #'s b/4 SK5000	G-04042-0
Serial #'s SK5000 to SK37000	G-02605-0
Serial #'s after SK37000	G-04076-0
If an entire mouthpipe assembly is needed, please send in the old assembly so that we can duplicate it. All other parts for this model are the same as the current 900 “Classic” model.	

900 ETERNA “CLASSIC” Bb TRUMPET .460" Bore

MOUTHPIPE PARTS

G-02066-0	Mouthpipe Assembly (rec'r, tube, finger hook & OS tube)
G-02605-0	Mouthpipe Tube – Nickel
G-04013-0	Mouthpiece Receiver
G-04904-0	Finger Hook

SLIDE PARTS

G-05318-0	1st Slide Assembly
G-05309-0	2nd Slide Assembly
G-05246-0	3rd Slide Assembly
G-05247-0	Main Tuning Slide Assembly
G-05122-0	1st or 3rd Slide Crook
G-05123-0	2nd Slide Crook
G-05203-0	Main Tuning Slide Crook
G-04983-0	3rd Slide Push Rod (Finger Ring)

VALVE SECTION PARTS

G-01509-0	Finger Button – all metal – Nickel
Other valve section parts same as 590 Capri Trumpet	

BRACES

Same as 900 Trumpet

BELL

G-06503-2	Bell – Engraved
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900 ETERNA Bb TRUMPET .460" Bore

MOUTHPIPE PARTS

G-04076-0	Mouthpipe Ass'y – w/ Nickel Tube
G-04085-0	Mouthpipe Ass'y – w/ Gold Brass Tube
G-04048-0	Mouthpipe Tube – Nickel
G-04057-0	Mouthpipe Tube – Gold Brass
G-04013-0	Mouthpiece Receiver
G-04904-0	Finger Hook

SLIDE PARTS

G-05318-L	1st Slide Assembly – Lacquer
G-05318-S	1st Slide Assembly – Silver
G-05309-L	2nd Slide Assembly – Lacquer
G-05309-S	2nd Slide Assembly – Silver
G-05354-L	3rd Slide Assembly – Lacquer
G-05354-S	3rd Slide Assembly – Silver
G-05352-L	Tuning Slide Assembly – Lacquer
G-05352-S	Tuning Slide Assembly – Silver
G-05122-0	1st or 3rd Slide Crook
G-05123-0	2nd Slide Crook
G-05203-0	Tuning Slide Crook
G-04155-0	1st Slide Ferrule – Lower or Upper
G-04157-0	2nd Slide Ferrule
G-04153-0	3rd Slide Ferrule
G-04152-0	Tuning Slide Ferrule
G-04375-0	1st Slide Inside Tube
G-04614-0	1st Slide Outside Tube – Upper
G-04613-0	1st Slide Outside Tube – Lower
G-04414-0	2nd Slide Inside Tube
G-04617-0	2nd Slide Outside Tube
G-04359-0	3rd Slide Inside Tube – Upper
G-04381-0	3rd Slide Inside Tube – Lower
G-04595-0	3rd Slide Outside Tube – Upper
G-04594-0	3rd Slide Outside Tube – Lower
G-05636-0	3rd Slide Stop Post
G-13372-0	3rd Slide Stop Ring
G-04386-0	Tuning Slide Inside Tube – Upper
G-04385-0	Tuning Slide Inside Tube – Lower

G-04749-0	Tuning Slide Outside Tube – Upper
G-04644-0	Tuning Slide Outside Tube – Lower
G-04293-0	Tuning Slide Tube Trim Rings
G-04962-0	Lyre Holder
G-01481-N	Lyre Holder Screw – Nickel
G-04959-0	1st Thumb Hook
G-04983-0	3rd Finger Ring
G-04921-0	Slide Pull Knob
A1659	Slide Bumper Ring – Rubber
A920	Waterkey Assembly

TRIGGER PARTS

Same as 590 Trumpet

VALVE SECTION PARTS

G-01610-S	Top Cap – Silver
G-01610-N	Top Cap – Nickel
G-01710-S	Bottom Cap – Silver
G-01710-N	Bottom Cap – Nickel
G-01510-S	Finger Button – Silver
G-01510-N	Finger Button – Nickel
Other valve section parts same as 590 Trumpet	

BRACES

G-05640-0	Rear “S” Brace
G-05639-0	Front “S” Brace
G-05629-0	T. Slide to 3rd Brace – Drilled & Tapped
G-01401-N	Slide Stop Screw – Nickel (4 x 40)
G-05632-0	Valve to Bell Brace
G-05634-0	Valve to Mouthpipe Brace
G-05635-0	Bell to 1st Brace
G-05637-0	T. Slide Brace Socket – 2 needed
G-05761-0	Tuning Slide Brace Rod
G-13645-0	1st or 3rd Slide Brace

BELL

G-06503-0	Bell – Engraved
G-06504-0	Bell – Gold Brass – Engraved
G-04203-0	Bell Ferrule

900LB ETERNA Bb TRUMPET

Large Bore – .464"

(Discontinued production January 2002)

MOUTHPIPE PARTS

G-04075-0	Mouthpipe Ass’y – w/ Nickel Tube
G-04089-0	Mouthpipe Ass’y – w/ Gold Brass Tube
G-04061-0	Mouthpipe Tube – Nickel
G-04067-0	Mouthpipe Tube – Gold Brass
Other mouthpipe parts same as 900 Trumpet	

SLIDE PARTS

G-05340-L	1st Slide Assembly – Lacquer
G-05340-S	1st Slide Assembly – Silver
G-05377-L	2nd Slide Assembly – Lacquer
G-05377-S	2nd Slide Assembly – Silver
G-05342-L	3rd Slide Assembly – Lacquer
G-05342-S	3rd Slide Assembly – Silver
G-05343-L	Tuning Slide Assembly – Lacquer

G-05343-S	Tuning Slide Assembly – Silver
G-05116-0	1st or 3rd Slide Crook
G-05115-0	2nd Slide Crook
G-05206-0	Tuning Slide Crook
G-04361-0	1st Slide Inside Tube
G-04374-0	2nd Slide Inside Tube
G-04373-0	3rd Slide Inside Tube – Upper
G-04360-0	3rd Slide Inside Tube – Lower
G-04384-0	Tuning Slide Inside Tube – Upper
G-04383-0	Tuning Slide Inside Tube – Lower
Other slide parts same as 900 Trumpet	

VALVE SECTION PARTS

G-03403-0	#1 Piston
G-03404-0	#2 Piston
G-03405-0	#3 Piston
Other valve section parts same as 900 Trumpet	

BRACES

Same as 900 Trumpet

BELL

G-06505-0	Bell – Engraved
G-04203-0	Bell Ferrule

900H ETERNA TILTED BELL Bb TRUMPET

(Discontinued production January 2002)

All Other Parts Same As 900 Trumpet Except:

G-05709-0	Bell to Rec’r Brace Flange – Bell Side
G-05881-0	Bell to Receiver Brace Rod – 1 1/4"
G-05882-0	Bell to Valve Brace Rod – 3 3/4"
G-06509-0	Bell – Engraved – Tilted

1200 ETERNA II Bb TRUMPET

(Discontinued production January 2002)

MOUTHPIPE PARTS

G-04079-0	Mouthpipe Assembly – #1 (.460" Bore)
G-04078-0	Mouthpipe Assembly – #2 (.464" Bore)
G-04050-0	Mouthpipe Tube – #1
G-04049-0	Mouthpipe Tube – #2
G-04014-0	Mouthpiece Receiver
G-04904-0	Finger Hook

SLIDE PARTS

G-05351-L	1st Slide Assembly – Lacquer
G-05351-S	1st Slide Assembly – Silver
G-05376-L	2nd Slide Assembly – Lacquer
G-05353-L	3rd Slide Assembly – Lacquer
G-05353-S	3rd Slide Assembly – Silver
G-05350-L	Tuning Slide Assembly – Lacquer
G-05350-S	Tuning Slide Assembly – Silver
G-05122-0	1st or 3rd Slide Crook
G-05123-0	2nd Slide Crook
G-05210-0	Tuning Slide Crook
G-04161-0	1st Slide Ferrule
G-04157-0	2nd Slide Ferrule

G-04619-0	3rd Slide Ferrule
G-04160-0	Tuning Slide Ferrule
G-04389-0	1st Slide Inside Tube – Upper
G-04388-0	1st Slide Inside Tube – Lower
G-04620-0	1st Slide Outside Tube
G-04414-0	2nd Slide Inside Tube
G-04617-0	2nd Slide Outside Tube
G-04390-0	3rd Slide Inside Tube – Upper
G-04391-0	3rd Slide Inside Tube – Lower
G-04621-0	3rd Slide Outside Tube
G-04392-0	Tuning Slide Inside Tube – Upper
G-04393-0	Tuning Slide Inside Tube – Lower
G-04749-0	Tuning Slide Outside Tube – Upper
G-04618-0	Tuning Slide Outside Tube – Lower
G-04293-0	Trim Rings
G-04921-0	Slide Pull Knob
G-04954-0	3rd Slide Finger Ring
G-04934-0	3rd Slide Stop Brace
G-05636-0	3rd Slide Stop Post
G-01401-S	3rd Slide Stop Screw – Silver
A920	Waterkey Assembly

VALVE SECTION PARTS

G-01615-S	Top Cap – Silver
G-01715-S	Bottom Cap – Silver
Other valve section parts same as 900 Trumpet	

BRACES

G-13645-0	1st or 3rd Slide Brace
G-04934-0	3rd Slide Stop Brace
G-05635-0	1st Slide to Bell Brace
G-05637-0	T. Slide Brace Socket – 2 needed
G-05761-0	Tuning Slide Brace Rod
G-05649-0	Valve to Bell or Valve to Mouthpipe

BELL

G-06510-0	Bell – Engraved
G-04203-0	Bell Ferrule

20 RENAISSANCE Bb TRUMPET

(Discontinued production January 2002)

MOUTHPIPE PARTS

G-04062-0	Mouthpipe Assembly
G-04061-0	Mouthpipe Tube
G-04014-R	Mouthpiece Receiver
G-04904-0	Finger Hook

SLIDE PARTS

G-05461-S	1st Slide Assembly – Silver
G-05462-S	2nd Slide Assembly – Silver
G-05463-S	3rd Slide Assembly – Silver
G-05464-S	Tuning Slide Assembly – Silver
G-05123-0	1st, 2nd or 3rd Slide Crook
G-05203-0	Tuning Slide Crook
G-04124-0	1st Slide Ferrule
G-04125-0	2nd Slide Ferrule
G-04126-0	3rd Slide Ferrule

G-04122-0	Tuning Slide Ferrule
G-04430-0	1st Slide Inside Tube – Upper
G-04435-0	1st Slide Inside Tube – Lower
G-04569-0	1st Slide Outside Tube
G-04436-0	2nd Slide Inside Tube
G-04570-0	2nd Slide Outside Tube
G-04431-0	3rd Slide Inside Tube – Upper
G-04432-0	3rd Slide Inside Tube – Lower
G-04566-0	3rd Slide Outside Tube
G-04386-0	Tuning Slide Inside Tube – Upper
G-04434-0	Tuning Slide Inside Tube – Lower
G-04573-0	Tuning Slide Outside Tube – Upper
G-04572-0	Tuning Slide Outside Tube – Lower
G-04921-0	Slide Pull Knob
G-04293-0	Slide Trim Ring
G-04973-0	1st Slide Thumb Saddle
G-04954-0	3rd Slide Finger Ring
G-01401-G	3rd Slide Stop Screw – Gold plate
G-01150-0	Slide Bumper Ring
A920	Waterkey Assembly

VALVE SECTION PARTS

G-01612-G	Top Cap – Gold plate
G-01612-S	Top Cap – Silver
G-01712-G	Bottom Cap – Gold plate
G-01712-S	Bottom Cap – Silver
G-01511-G	Finger Button – Gold plate
G-01511-S	Finger Button – Silver
Other valve section parts same as 590 Trumpet	

BRACES

G-05640-0	Rear “S” Brace
G-05639-0	Front “S” Brace
G-13645-0	Bell to 1st Slide Brace
G-13645-0	1st or 3rd Slide Brace
G-05634-0	Valve to Mouthpipe Brace
G-05632-0	Valve to Bell Brace
G-05637-0	Tuning Slide Brace Socket – 2 needed
G-04934-0	3rd Slide Stop
G-05636-0	3rd Slide Stop Post

BELL

G-06511-0	Bell – Engraved – Rose Brass
G-06512-0	Bell – Engraved – Copper

20M RENAISSANCE Bb TRUMPET

(Discontinued production January 2002)

MOUTHPIPE PARTS

G-04066-0	Mouthpipe Assembly
G-04054-0	Mouthpipe Tube
Other mouthpipe parts same as 20 Bb Trumpet	

SLIDE PARTS

G-05481-S	Tuning Slide Assembly – Silver
G-05206-0	Tuning Slide Crook
Other slide parts same as 20 Bb Trumpet	

VALVE SECTION PARTS

G-01615-G	Top Cap – Gold plate
G-01510-G	Finger Button – Gold plate
Other valve parts same as 20 Bb Trumpet	

BRACES

Braces same as 20 Bb Renaissance Trumpet

BELL

G-06592-0	Bell – Engraved
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20LB RENAISSANCE Bb TRUMPET Large Bore

(Discontinued production January 2002)

MOUTHPIPE PARTS

Same as 20 Bb Renaissance Trumpet

SLIDE PARTS

G-05465-S	1st Slide Assembly – Silver
G-05466-S	2nd Slide Assembly – Silver
G-05467-S	3rd Slide Assembly – Silver
G-05468-S	Tuning Slide Assembly – Silver
G-05115-0	1st, 2nd or 3rd Slide Crook
G-05206-0	Tuning Slide Crook
G-04347-0	1st Slide Inside Tube – Upper
G-04428-0	1st Slide Inside Tube – Lower
G-04343-0	2nd Slide Inside Tube
G-04344-0	3rd Slide Inside Tube – Upper
G-04433-0	3rd Slide Inside Tube – Lower
G-04345-0	Tuning Slide Inside Tube – Upper
G-04346-0	Tuning Slide Inside Tube – Lower
Other slide parts same as 20 Trumpet	

VALVE SECTION PARTS

G-03403-0	#1 Piston
G-03404-0	#2 Piston
G-03405-0	#3 Piston
Other valve section parts same as 20 Bb Trumpet	

BRACES

Brace parts same as 20 Bb Renaissance Trumpet

BELL

Same as 20 Bb Renaissance – Rose Brass

30C RENAISSANCE C TRUMPET

(Discontinued production January 2002)

MOUTHPIPE PARTS

G-04065-0	Mouthpipe Assembly
G-04064-0	Mouthpipe Tube
G-04014-R	Mouthpiece Receiver
G-04904-0	Finger Hook

SLIDE PARTS

G-05477-S	1st Slide Assembly – Silver
G-05478-S	2nd Slide Assembly – Silver
G-05479-S	3rd Slide Assembly – Silver
G-05480-S	Tuning Slide Assembly – Silver
G-05123-0	1st, 2nd or 3rd Slide Crook
G-05210-0	Tuning Slide Crook
G-04188-0	1st Slide Ferrule
G-04121-0	2nd Slide Ferrule
G-04339-0	3rd Slide Ferrule
G-04123-0	Tuning Slide Ferrule
G-04337-0	1st Slide Inside Tube – Upper
G-04491-0	1st Slide Inside Tube – Lower
G-04564-0	1st Slide Outside Tube
G-04338-0	2nd Slide Inside Tube
G-04565-0	2nd Slide Outside Tube
G-04340-0	3rd Slide Inside Tube
G-04566-0	3rd Slide Outside Tube
G-04342-0	Tuning Slide Inside Tube – Upper
G-04341-0	Tuning Slide Inside Tube – Lower
G-04568-0	Tuning Slide Outside Tube – Upper
G-04567-0	Tuning Slide Outside Tube – Lower
G-04921-0	Slide Pull Knob
G-04293-0	Slide Trim Ring
G-04973-0	1st Slide Thumb Saddle
G-04954-0	3rd Slide Finger Ring
G-01150-0	Slide Bumper Ring
A920	Waterkey Assembly

VALVE SECTION PARTS

Same a 20 Bb Renaissance Trumpet

BRACES

G-13645-0	3rd Slide or 1st Slide to Bell Brace
G-05637-0	Tuning Slide Brace Socket – 2 needed
G-05761-0	Tuning Slide Brace Rod
G-05649-0	Mouthpipe to Valve Brace
G-05649-0	Bell to Valve Brace
G-05629-0	Lower T.S. to 3rd Brace

BELL

No longer available

3001 & 3001MV Bb TRUMPETS

MOUTHPIPE PARTS

G-03981-S	Mouthpipe Assembly – 3001
G-03907-S	Mouthpiece Receiver – 3001
G-13729-S	Mouthpipe Assembly – 3001MV
G-13340-S	Mouthpiece Receiver – 3001MV
G-04904-0	Finger Hook

SLIDE PARTS

G-05251-S	Main Tuning Slide Ass’y – 3001
G-13871-S	Main Tuning Slide Ass’y – 3001MV
G-05248-S	1st Slide Assembly

G-05249-S	2nd Slide Assembly
G-05250-S	3rd Slide Assembly
G-04973-0	1st Slide Thumb Hook
G-01402-G	3rd Slide Stop Screw
G-13317-G	Waterkey – Main Tuning Slide
G-13319-G	Waterkey – 3rd Slide
G-13329-0	Waterkey Spring – for either
G-13376-G	Waterkey Screw
G-13318-0	Waterkey Saddle – Main Tuning Slide
G-13320-0	Waterkey Saddle – 3rd Slide

VALVE SECTION PARTS

G-01103-G	Finger Button
G-01610-G	Top Cap
G-01710-G	Bottom Cap
Other parts same as 590 Bb Trumpet	

BRACES

Same as 3050 & 3051 Trumpets

BELL PARTS

G-06980-S	Bell – 3001
G-05912-S	Bell – 3001MV
G-04227-0	Bell Ferrule

3050 & 3051 CUSTOM Bb TRUMPETS

MOUTHPIPE PARTS

G-13334-0	Mouthpipe Assembly – 3050
G-13703-0	Mouthpipe Assembly – 3051
G-13341-0	Mouthpiece Receiver – 3050
G-13342-0	Mouthpiece Receiver – 3051
G-04904-0	Finger Hook

SLIDE PARTS

G-13327-0	Main Tuning Slide Assembly
G-05248-0	1st Slide Assembly
G-05249-0	2nd Slide Assembly
G-13326-0	3rd Slide Assembly
G-04959-0	1st Slide Thumb Hook
G-01402-N	3rd Slide Stop Screw
A920	All Water keys

VALVE SECTION PARTS

G-01103-N	Finger Button
G-01612-N	Top Cap
G-01713-N	Bottom Cap
Other parts same as 590 Bb Trumpet	

BRACES

G-05601-0	Front “S” Brace
G-05600-0	Rear “S” Brace
G-13594-0	Valve Casing to Mouthpipe
G-05649-0	Valve Casing to Bell

G-05637-0	Main Tuning Slide – Socket
G-05551-0	Main Tuning Slide – Rod
G-04988-0	3rd Slide Stop Ring
G-01402-N	3rd Slide Stop Screw

BELL PARTS

G-13543-0	Bell – 3050
G-13545-0	Bell – 3051
G-04227-0	Bell Ferrule

3052 CUSTOM Bb TRUMPET

MOUTHPIPE PARTS

G-13730-0	Mouthpipe Assembly
G-13343-0	Mouthpiece Receiver
G-04904-0	Finger Hook

SLIDE PARTS

G-13332-0	Main Tuning Slide Assembly
G-13323-0	1st Slide Assembly
G-13322-0	2nd Slide Assembly
G-13331-0	3rd Slide Assembly
G-04959-0	1st Slide Thumb Hook
G-01402-N	3rd Slide Stop Screw
A920	Waterkeys

VALVE SECTION PARTS

G-01103-N	Finger Button
G-01612-N	Top Cap
G-01713-N	Bottom Cap
Other part same as 590 Bb Trumpet	

BRACES

Same as 3050 & 3051 Trumpets

BELL PARTS

G-13546-0	Bell
G-04227-0	Bell Ferrule

TUNABLE BELL TRUMPET PARTS (910C-B9, 20M-B9 & 900-B9)

G-05637-0	Valve to Receiver Brace Socket
G-05884-0	Valve to Receiver Brace Rod
G-13645-0	1st to Bell Receiver Brace
G-04426-0	Inside Slide Tube
G-04598-0	Outside Slide Tube – Nickel
G-04615-0	Outside Slide Tube – Brass
G-05663-0	Slide Rail – Valve Side
G-05664-0	Slide Channel – Bell Side
G-01481-N	Slide Screw – Nickel
G-04295-0	Receiver Clamp
G-01410-N	Receiver Clamp Screw – Nickel

593 HERALD Bb TRUMPET

MOUTHPIPE PARTS

G-04025-0	Mouthpipe Assembly
G-04042-0	Mouthpipe Tube
G-04009-0	Mouthpiece Receiver

G-05227-0	Mouthpipe Crook
G-04144-0	Crook Ferrule
G-04575-0	Mouthpipe Sleeve
G-04904-0	Finger Hook
G-05011-0	Waterkey
G-04752-0	Waterkey Saddle
G-04751-0	Waterkey Nipple
G-01420-0	Waterkey Screw
A355	Waterkey Spring
A365	Waterkey Cork

SLIDE PARTS

G-05012-0	3rd Slide Waterkey
Other waterkey parts same as mouthpipe waterkey parts.	
Other slide parts same as 590 Trumpet	

VALVE SECTION PARTS

Same as 590 Trumpet

BRACES

G-05620-0	1st Slide to Bell Bow Brace
G-05603-0	Tuning Slide to 3rd Slide Brace
G-05625-0	Valve to Mouthpipe Brace
G-05625-0	Valve to Bell Brace

BELL

G-06517-0	Bell – Engraved
G-04203-0	Bell Ferrule
G-04994-0	Banner Ring
G-05213-0	Bell Crook
G-04144-0	Bell Crook Ferrule
G-04389-0	Bell Slide Inside
G-04575-0	Bell Slide Outside
G-04295-0	Bell Clamp
G-01410-N	Bell Clamp Screw – Nickel

510C-LB ETERNA C TRUMPET Large Bore – .464"

(Discontinued production January 2002)

MOUTHPIPE PARTS

G-04075-0	Mouthpipe Assembly – Nickel Tub
G-04061-0	Mouthpipe Tube – Nickel
Other mouthpipe parts same as 910C Trumpet	

SLIDE PARTS

G-05455-L	1st Slide Assembly – Lacquer
G-05366-L	2nd Slide Assembly – Lacquer
G-05367-L	3rd Slide Assembly – Lacquer
G-05380-L	Tuning Slide Assembly – Lacquer
G-05116-0	1st, 2nd or 3rd Slide Crook
G-05206-0	Tuning Slide Crook
G-04203-0	1st & 3rd Slide Ferrule – 7/16"
G-04148-0	2nd Slide Ferrule – 7/16"
G-04377-0	1st Slide Inside Tube
G-04362-0	2nd Slide Inside Tube
G-04411-0	3rd Slide Inside Tube – Upper
G-04439-0	3rd Slide Outside Tube – Lower
G-04377-0	Tuning Slide Inside Tube – Upper
G-04361-0	Tuning Slide Inside Tube – Lower
Other slide parts same as 910C Trumpet	

VALVE SECTION PARTS

Valve section parts same as 900 large bore Trumpet

BRACES

G-05636-0 3rd Slide Stop Brace
Other braces same as 910C Trumpet

BELL – No Longer Available

590C CAPRI C TRUMPET

(Discontinued production January 2002)

MOUTHPIPE PARTS

G-04068-0 Mouthpipe Assembly
Other parts same as 590 Bb Trumpet

SLIDE PARTS

G-05362-L 1st Slide Assembly – Lacquer
G-05362-S 1st Slide Assembly – Silver
G-05449-L 2nd Slide Assembly – Lacquer
G-05381-L 3rd Slide Assembly – Lacquer
G-05384-L Tuning Slide Assembly – Lacquer
G-04141-0 2nd Slide Ferrule
G-04203-0 Tuning Slide Ferrule
G-04376-0 1st Slide Inside Tube
G-04600-0 1st Slide Outside Tube
G-04363-0 2nd Slide Inside Tube
G-04149-0 2nd Slide Outside Tube
G-04359-0 3rd Slide inside Tube
G-04599-0 3rd Slide Outside Tube
G-04387-0 Tuning Slide Inside Tube
G-04581-0 Tuning Slide Outside Tube
Other slide parts same as 590 Bb Trumpet

VALVE SECTION PARTS

Same as 590 Bb Trumpet

BRACES

Same as 590 Bb Trumpet

BELL

G-06507-0 Bell – Engraved

910C ETERNA C TRUMPET

(Discontinued production January 2002)

MOUTHPIPE PARTS

G-04073-0 Mouthpipe Assembly
G-04048-0 Mouthpipe Tube
G-04013-0 Mouthpiece Receiver
G-04904-0 Finger Hook

SLIDE PARTS

G-05362-L 1st Slide Assembly – Lacquer
G-05362-S 1st Slide Assembly – Silver
G-05363-L 2nd Slide Assembly – Lacquer
G-05363-S 2nd Slide Assembly – Silver
G-05365-L 3rd Slide Assembly – Lacquer
G-05365-S 3rd Slide Assembly – Silver

G-05373-L Tuning Slide Assembly – Lacquer
G-05373-S Tuning Slide Assembly – Silver
G-05122-0 1st or 3rd Slide Crook
G-05123-0 2nd Slide Crook
G-05203-0 Tuning Slide Crook
G-04131-0 1st or 3rd Slide Ferrule – 7/16"
G-04141-0 2nd Slide Ferrule
G-04129-0 3rd Slide Ferrule – 11/16"
G-04144-0 Tuning Slide Ferrule
G-04376-0 1st Slide Inside Tube
G-04600-0 1st Slide Outside Tube
G-04363-0 2nd Slide Inside Tube
G-04149-0 2nd Slide Outside Tube
G-04426-0 3rd Slide Inside Tube – Upper
G-04381-0 3rd Slide Inside Tube – Lower
G-04642-0 3rd Slide Outside Tube – Upper
G-04643-0 3rd Slide Outside Tube – Lower
G-04376-0 Tuning Slide Inside Tube – Upper
G-04375-0 Tuning Slide Inside Tube – Lower
G-04596-0 Tuning Slide Outside Tube
G-04921-0 Slide Pull Knob
G-04949-0 3rd Slide Finger Ring
G-04949-S 3rd Slide Finger Ring – Silverplate
A920 Waterkey Assembly

VALVE SECTION PARTS

Same as 900 Trumpet

BRACES

G-05640-0 Rear “S” Brace
G-05641-0 Front “S” Brace
G-13645-0 3rd Slide or Bell to 1st Brace
G-05629-0 T.S. Tube to 3rd Brace
G-05634-0 Valve to Mouthpipe
G-05632-0 Valve to Bell

BELL

Bell is Obsolete
G-04203-0 Bell Ferrule

30C RENAISSANCE C TRUMPET

Large Bore – .464"

(Discontinued production January 2002)

MOUTHPIPE PARTS

Mouthpipe parts same as 30C Trumpet

SLIDE PARTS

G-05473-S 1st Slide Assembly – Silver
G-05474-S 2nd Slide Assembly – Silver
G-05475-S 3rd Slide Assembly – Silver
G-05476-S Tuning Slide Assembly – Silver
G-05115-0 1st, 2nd or 3rd Slide Crook
G-05217-0 Tuning Slide Crook
G-04493-0 1st Slide Inside Tube – Upper
G-04492-0 1st Slide Inside Tube – Lower
G-04494-0 2nd Slide Inside Tube
G-04495-0 3rd Slide Inside Tube
G-04299-0 Tuning Slide Inside Tube – Upper
G-04496-0 Tuning Slide Inside Tube – Lower
Other slide parts same as 30C Trumpet

VALVE SECTION PARTS

All valve section parts same as 20 Bb LB Trumpet

540 CAPRI 3 VALVE PICCOLO TRUMPET

(Discontinued production January 2002)

MOUTHPIPE PARTS

G-05120-0 Mouthpipe Crook
G-04638-0 Mouthpipe Receiver Tube
G-04094-0 Mouthpipe Clamp
G-01410-N Mouthpipe Clamp Screw
G-04020-N “Bb” Mouthpipe Ext. – Trpt. Shank
G-04021-N “A” Mouthpipe Ext. – Trpt. Shank
G-01521-N “Bb” Mouthpipe Ext. – Cornet Shank
G-01520-N “A” Mouthpipe Ext. – Cornet Shank
G-04905-0 Finger Hook

Extensions are nickel plated and cannot be silver plated

SLIDE PARTS

A920 Waterkey Assembly
G-05438-L 1st Slide Assembly – Lacquer
G-05438-S 2nd Slide Assembly – Silver
G-05435-L 3rd Slide Assembly – Lacquer
G-05435-S 3rd Slide Assembly – Silver
G-05117-0 1st or 3rd Slide Crook
G-04168-0 1st Slide Ferrule
G-04640-R 3rd Slide Ferrule – Upper
G-04640-0 3rd Slide Ferrule – Lower
G-04408-0 1st Slide Inside Tube
G-04425-0 3rd Slide Inside Tube
G-04640-0 1st Slide Outside Tube
G-04657-0 3rd Slide Outside Tube – Upper
G-04657-R 3rd Slide Outside Tube – Lower
G-04292-0 3rd Slide Trim Ring
G-08502-0 3rd Slide Brace
G-04951-0 3rd Slide Finger Ring
G-04922-0 3rd Slide Stop Post
G-01401-N 3rd Slide Stop Screw – Nickel

VALVE SECTION PARTS

G-03409-0 #1 Piston
G-03410-0 #2 Piston
G-03411-0 #3 Piston
Other parts same as 590 Trumpet

BELL

G-06590-0 Bell – Engraved
G-04168-0 Bell Ferrule

940 ETERNA 4 VALVE PICCOLO TRUMPET

MOUTHPIPE PARTS

G-04010-N “Bb” Mouthpipe Ext. – Trpt. Shank
G-04011-N “A” Mouthpipe Ext. – Trpt. Shank
G-01521-N “Bb” Mouthpipe Ext. – Cornet Shank
G-01520-N “A” Mouthpipe Ext. – Cornet Shank

Extensions are nickel plated and cannot be silver plated
Other mouthpipe parts same as 540 Piccolo Trumpet

SLIDE PARTS

G-05382-L	3rd Slide Assembly – Lacquer
G-05382-S	3rd Slide Assembly – Silver
G-05383-L	4th Slide Assembly – Lacquer
G-05383-S	4th Slide Assembly – Silver
G-05117-0	4th Slide Crook
G-04168-0	3rd Slide Ferrule
G-13572-0	4th Slide Ferrule
G-04410-0	3rd Slide Inside Tube
G-04407-0	4th Slide Inside Tube
G-04169-0	3rd Slide Outside Tube
G-04641-0	4th Slide Outside Tube
G-05291-0	2nd Crook Guard
Other slide parts same as 540 Piccolo Trumpet	

VALVE SECTION PARTS

G-03412-0	#4 Piston
Other valve section parts same as 540 Piccolo Trumpet	

BRACES

G-05629-0	3rd or 4th Slide Brace
G-05649-0	Valve to Bell Brace

BELL

G-06591-0	Bell – Engraved
G-04640-0	Bell Ferrule

990E & 990ED ETERNA Eb & Eb/D TRUMPETS

(Discontinued production January 2002)

MOUTHPIPE PARTS

G-04024-0	Mouthpipe Assembly
G-04013-0	Mouthpipe Receiver
G-04904-0	Finger Hook

Eb SLIDE PARTS

G-05451-L	1st Slide Assembly – Lacquer
G-05451-S	1st Slide Assembly – Silver
G-05452-L	3rd Slide Assembly – Lacquer
G-05452-S	3rd Slide Assembly – Silver
G-05483-L	Eb Main Tuning Slide Ass'y – Lacquer
G-05123-0	1st, 2nd or 3rd Slide Crook
G-05203-0	Tuning Slide Crook
G-04152-0	1st 2nd Slide Ferrule
G-04601-0	3rd Slide Ferrule
G-04156-0	Tuning Slide Ferrule
G-04366-0	1st Slide Inside Tube
G-04603-0	1st Slide Outside Tube
G-04427-0	3rd Slide Inside Tube
G-04367-0	3rd Slide Outside Tube
G-04376-0	Tuning Slide Inside Tube – Upper
G-04387-0	Tuning Slide Inside Tube – Lower
G-04731-0	Tuning Slide Outside Tube – Upper
G-04732-0	Tuning Slide Outside Tube – Lower
G-04962-0	Lyre Holder
G-01481-N	Lyre Holder Screw – Nickel
A920	Waterkey Assembly
G-04959-0	Thumb Saddle

D SLIDE PARTS

G-05484-L	1st Slide Assembly – Lacquer
G-05485-L	3rd Slide Assembly – Lacquer
G-05486-L	D Main Tuning Slide Ass'y – Lacquer
G-05122-0	1st or 3rd Slide Crook
G-05203-0	Tuning Slide Crook
G-04211-0	1st Slide Ferrule
G-04212-0	3rd Slide Ferrule
G-04155-0	Tuning Slide Ferrule – 7/16"
G-04159-0	Tuning Slide Ferrule – 1 1/4"
G-04497-0	1st Slide Inside Tube
G-04733-0	1st Slide Outside Tube
G-04359-0	3rd Slide Inside tube
G-04615-0	3rd Slide Outside Tube
G-04498-0	Tuning Slide Inside Tube – Upper
G-04359-0	Tuning Slide Inside Tube – Lower
G-05636-0	3rd Slide Stop
Other slide parts same as Eb slides	

VALVE SECTION PARTS

Valve section parts same as 900 Trumpet

BRACES

G-13645-0	3rd Slide Brace
G-05629-0	Tuning Slide to 3rd Brace
G-05635-0	Bell to 1st Slide Brace
G-05634-0	Valve to Mouthpipe Brace
G-05632-0	Valve to Bell Brace
G-05640-0	Rear "S" Brace
G-05639-0	Front "S" Brace

BELL

G-06515-0	Bell – Engraved
G-04203-0	Bell Ferrule

994 ETERNA BASS TRUMPET

(Discontinued production 2010)

MOUTHPIPE PARTS

G-04634-0	Mouthpipe Tube
G-07252-0	Venturi
G-04162-0	Receiver Sleeve
G-04905-0	Finger Hook
G-05209-0	Mouthpipe Crook
G-04163-0	Mouthpipe Crook Ferrule
G-04963-0	Lyre Holder
G-01481-N	Lyre Holder Screw – Nickel
A920	Waterkey Assembly

SLIDE PARTS

G-05344-L	1st Slide Assembly – Lacquer
G-05345-L	2nd Slide Assembly – Lacquer
G-05346-L	3rd Slide Assembly – Lacquer
G-05348-L	Sm. Tuning Slide Assembly – Lacquer
G-05347-L	Lg. Tuning Slide Assembly – Lacquer
G-07679-0	1st, 2nd or 3rd Slide Crook
G-05208-0	Small Tuning Slide Crook
G-05209-0	Large Tuning Slide Crook
G-04622-0	1st Slide Ferrule – Upper

G-04630-0	1st Slide Ferrule – Lower
G-04164-0	2nd Slide Ferrule
G-04165-0	3rd Slide Ferrule
G-04142-0	Tuning Slide Ferrule
G-04397-0	1st Slide Inside Tube
G-04628-0	1st Slide Outside Tube – Upper
G-04629-0	1st Slide Outside Tube – Lower
G-04398-0	2nd Slide Inside Tube
G-04625-0	2nd Slide Outside Tube
G-04398-0	3rd Slide Inside Tube
G-04623-0	3rd Slide Outside Tube
G-04400-0	Sm. Tuning Slide Inside Tube – Upper
G-04401-0	Sm. Tuning Slide Inside Tube – Lower
G-04755-0	Sm. Tuning Slide Outside Tube – Upper
G-04754-0	Sm. Tuning Slide Outside Tube – Lower
G-04399-0	Large Tuning Slide Inside Tube
G-04756-0	Large Tuning Slide Outside Tube – Lower
G-04921-0	Slide Pull Knob
A920	Waterkey Assembly
G-04963-0	Lyre Holder
G-01481-N	Lyre Holder Screw – Nickel
G-04969-0	1st Slide Thumb Hook

VALVE SECTION PARTS

Valve section parts same as 998 Valve Trombone

BRACES

G-05641-0	Front "S" Brace
G-05639-0	Rear "S" Brace
G-05640-0	Small Branch to Bell Branch "S" Brace
G-05604-0	1st or 3rd Slide Brace
G-05644-0	Lower 1st to Lower Tuning Brace
G-05603-0	3rd to Small Branch Brace
G-05603-0	3rd to Lower Small T.S. Tube Brace
G-05604-0	Upper Tuning Slide to Mouthpipe Brace
G-05625-0	Valve to Mouthpipe Brace
G-05626-0	Valve to Bell Brace
G-05628-0	3rd to T. Slide Brace Socket – 2 needed
G-05886-0	3rd to Tuning Slide Brace Rod

OTHER PARTS

G-06612-0	Bell – Engraved
G-02903-0	Bell Branch
G-02900-0	Small Branch
G-07677-0	Return Crook
G-04165-0	Valve to Return Crook Ferrule
G-04142-0	Return Crook to Small Branch Ferrule
G-04202-0	Small Branch to Bell Branch Ferrule
G-07852-0	Bell Branch to Bell Ferrule

FLUGELHORN PARTS

595 CAPRI FLUGELHORN

MOUTHPIPE PARTS

G-02010-0	Mouthpipe Extension w/ Receiver
G-04046-0	Mouthpipe Receiver Tube
G-04275-0	Mouthpipe Ferrule
Other parts same as 795 & 895 Flugelhorn	

SLIDE PARTS

G-05319-L	1st Slide Assembly – Lacquer
G-05319-S	1st Slide Assembly – Silver
G-05329-L	2nd Slide Assembly – Lacquer
G-05329-S	2nd Slide Assembly – Silver
G-05339-L	3rd Slide Assembly – Lacquer
G-05339-S	3rd Slide Assembly – Silver
G-05122-0	1st or 3rd Slide Crook
G-04375-0	1st Slide Inside Tube
G-04602-0	1st Slide Outside Tube
G-04130-0	2nd Slide Outside Tube
G-04381-0	3rd Slide Inside Tube
G-04598-0	3rd Slide Outside Tube
G-04597-0	3rd Slide Ferrule
G-04921-0	Slide Pull Knob

Other slide parts same as 795 & 895 Flugelhorn

TRIGGER PARTS

Same as 590 Trumpet – 1st slide only

VALVE SECTION PARTS

Same as 590 Trumpet

BRACES

G-05605-0	1st to Mouthpipe Brace
G-05645-0	Bell Brace Flange – Large
G-05628-0	Bell Brace Flange – Small
G-05705-0	Bell to M.P. Brace Flange – Large
G-05628-0	Bell to M.P. Brace Flange – Small
G-05626-0	Bell to Valve Brace – Front
G-05618-0	Bell to Valve Brace – Rear
G-05603-0	T.S. to 3rd Slide Brace

OTHER

G-06452-0	Bell – Engraved
G-06617-0	Bell – Unengraved – Gold Brass

Branch & ferrules same as 795 & 895 Flugelhorn

795 & 895 ETERNA FLUGELHORNS

MOUTHPIPE PARTS

G-02011-0	Mouthpipe Extension w/ Receiver
G-04047-0	Mouthpipe Receiver Tube
G-04092-0	Mouthpipe Ferrule
G-04094-0	Mouthpipe Clamp
G-01410-N	Clamp Screw – Nickel
G-04904-0	Finger Hook

SLIDE PARTS

A920	Waterkey Assembly
G-05336-L	1st Slide Assembly – Lacquer
G-05336-S	1st Slide Assembly – Silver
G-05337-L	2nd Slide Assembly – Lacquer
G-05337-S	2nd Slide Assembly – Silver
G-05335-L	3rd Slide Assembly – Lacquer
G-05335-S	3rd Slide Assembly – Silver
G-05109-0	1st or 3rd Slide Crook
G-05123-0	2nd Slide Crook

G-04131-0	1st or 3rd Slide Ferrule
G-04145-0	2nd Slide Ferrule
G-04371-0	1st Slide Inside Tube – Lower
G-04370-0	1st Slide Inside Tube – Upper
G-04607-0	1st Slide Outside Tube – Lower
G-04151-0	1st Slide Outside Tube – Upper
G-04414-0	2nd Slide Inside Tube
G-04617-0	2nd Slide Outside Tube
G-04372-0	3rd Slide Inside Tube
G-04574-0	3rd Slide Outside Tube – Upper
G-04608-0	3rd Slide Outside Tube – Lower
G-05113-0	Return Crook
G-04138-0	Return Crook Ferrule
G-04962-0	Lyre Holder
G-01481-N	Lyre Holder Screw – Nickel
G-04921-0	Slide Pull Knob

3RD SLIDE TRIGGER PARTS

G-04806-0	Trigger Assembly
G-04804-0	Trigger
G-04816-0	Trigger Saddle
G-01450-0	Trigger Hinge Screw
G-04558-0	Trigger Post
G-01334-0	Trigger Spring
G-04860-0	Trigger Cover – Black
G-07382-0	Linkage Rod Assembly
G-07448-0	Linkage Rod
G-12495-0	Linkage Rod Nut
G-01453-0	Linkage Screw
G-12488-0	Linkage Rod Bearing End

VALVE SECTION PARTS

G-03430-0	#1 Piston
G-03431-0	#2 Piston
G-03432-0	#3 Piston

Other valve section parts same as 590 trumpet

BRACES

G-05629-0	1st or 3rd Slide Brace
G-05617-0	Valve to Bell Brace
G-05646-0	Bell to Branch Brace Flange – Large
G-05709-0	Bell to Branch Brace Flange – Small
G-05761-0	Bell to Branch Brace Rod
G-05707-0	3rd Slide to Bell Brace
G-05637-0	Bell to 3rd Slide Brace Flange
G-05648-0	Mouthpipe Brace (Ferrule w/“Wing”)

OTHER

G-06450-0	Bell – Engraved – 895 Model
G-13553-0	Bell – Engraved – 795 Model
G-04204-0	Bell Ferrule
G-02713-0	Branch
G-04203-0	Branch Ferrule

896 ETERNA 4 VALVE FLUGELHORN

MOUTHPIPE PARTS

Same as 795 & 895 Flugelhorn

SLIDE PARTS

G-05336-L	1st Slide Assembly – Lacquer
G-05336-S	1st Slide Assembly – Silver
G-05337-L	2nd Slide Assembly – Lacquer
G-05337-S	2nd Slide Assembly – Silver
G-05334-L	3rd Slide Assembly – Lacquer
G-05334-S	3rd Slide Assembly – Silver
G-05385-L	4th Slide Assembly – Lacquer
G-05385-S	4th Slide Assembly – Silver
G-05122-0	3rd Slide Crook
G-13583-0	4th Slide Crook – Small
G-05220-0	4th Slide Crook – Large
G-04203-0	4th Slide Ferrule
G-04604-0	3rd Slide Outside Tube – Upper
G-04605-0	3rd Slide Outside Tube – Lower
G-04368-0	4th Slide Inside Tube
G-04648-0	4th Slide Outside Tube
G-04606-0	4th Slide Sleeve

Other slide parts same as 795 & 895 Flugelhorn

VALVE SECTION PARTS

G-01610-S	Top Cap – Silver
G-01710-S	Bottom Cap – Silver
G-01510-S	Finger Button – Silver
G-03433-0	#4 Piston

Other valve parts same as 795 & 895 Flugelhorn

BRACES

G-13645-0	3rd Slide Brace
G-05635-0	4th Slide Brace
G-05637-0	3rd Slide to Branch Brace

OTHER

G-06451-0	Bell – Engraved
G-06617-0	Bell – Unengraved – Gold Brass

Other parts same as 795 & 895 Flugelhorn

TROMBONE PARTS

351 Bb TENOR (300 Series)

451 Bb TENOR (400 Series)

.500" Bore

BELL SECTION PARTS

G-07614-0	Bell – Yellow – Engraved – 300 Series
G-06498-0	Bell – Rose – Engraved – 400 Series
G-07652-L	Tuning Slide Assembly – 300 series
G-07652-1	Tuning Slide Assembly – 400 Series
G-07677-0	Tuning Slide Crook – 300 Series
G-13612-0	Tuning Slide Crook – 400 series
G-07945-0	T.S. Inside Slide Tube – Small
G-07946-0	T.S. Inside Slide Tube – Large
G-07841-0	T.S. Outside Slide Tube w/Post – sm
G-07989-0	T.S. Outside Slide Tube – Large
G-07839-0	T.S. Ferrule w/Post
G-07752-0	T.S. Brace Tube
A129	Balancer (pair)
G-07621-0	Balancer Screw – each
G-07623-0	Balancer Emblem (pair)

G-07840-0	Rear Bell Brace Post w/Ferrule – sm
G-07838-0	Rear Bell Brace Post w/Ferrule – lg
G-07752-0	Rear Bell Brace Tube
G-07705-0	Bell Brace Flange – Large
G-07752-0	Front Bell Brace Tube
G-07643-0	Handslide Receiver Assembly
G-07684-0	Gooseneck

INSIDE SLIDE PARTS

G-07250-0	Venturi Tube
G-07292-0	Mouthpiece Receiver
G-07000-0	Inside Tube – Short, upper
G-07004-0	Inside Tube – Long, lower
G-07236-0	Cork Barrel Assembly – Mpc Side
G-07237-0	Cork Barrel Assembly – Bell Side
G-07260-0	Slide Lock Ring
G-07703-0	Brace Socket
G-07735-0	Brace Tube
G-07293-0	Bell Receiver Taper – Male

OUTSIDE SLIDE PARTS

G-07101-0	Outside Tube – Nickel
G-07350-0	Outside Tube Trim Ring
G-07302-0	Slide Lock Lug
G-07704-0	Brace Socket
G-07729-0	Brace Tube
G-07377-0	Handslide Crook Assembly – Includes: Crook, Guard, Saddle & Nipple
G-07362-0	Handslide Crook
G-07846-0	Crook Ferrule
A140	Crook Guard
G-07390-0	Waterkey
G-07392-0	Waterkey Saddle
G-07393-0	Waterkey Nipple
G-07395-0	Waterkey Screw
A351	Waterkey Spring
A144	Slide Rubber Bumper
A334	Waterkey Pad

525 CAPRI TROMBONE w/ F ATTACHMENT Dual Bore – .525"/.547"

BELL SECTION

G-05974-0	Bell – Engraved – 8"
Other parts same as 747 Trombone	

VALVE SECTION PARTS

Same as 747F Trombone

SLIDE SECTION PARTS

Same as the 725 Trombone

725 ETERNA II TENOR TROMBONE w/ F ATTACHMENT Dual Bore – .525"/.547"

BELL SECTION

G-05971-0	Bell – Engraved
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G-12501-0	Tuning Slide Inside Tube – large
G-12814-0	Ferrule – large
G-12607-0	Tuning Slide Outside Tube – small
G-12697-0	Upper Ferrule - small
G-07870-0	Trim Ring – small
G-12503-0	Tuning Slide Inside Tube – small
G-12815-0	Inside Tuning Slide Ferrule – small
G-12601-0	Tuning Slide Outside Tube – large
G-12822-0	Bell Ferrule
G-07373-0	Main Tuning Slide Assembly
G-12206-0	Main Tuning Slide Crook
G-12733-0	Brace Tube
G-07374-0	F Tuning Slide Assembly
G-12204-0	Crook – F Slide
G-08211-0	Inside Tube – F Slide
G-13620-0	Ferrule – F Slide
G-07971-0	Outside Tube – F Slide
G-05800-0	Brace Flange – F Slide
G-05887-0	Brace Rod – F Slide
G-12285-0	Gooseneck
G-13619-0	Gooseneck to Valve Ferrule
G-07814-0	Valve to Branch Ferrules
G-07645-0	Handslide Receiver Assembly
G-07705-0	Bell Brace – Bell Side
G-07728-0	Brace Rod
G-13606-0	90° Branch
G-13611-0	"S" Branch – Long
G-13634-0	"S" Branch – Short
G-07803-0	Ferrule – 90° branch to S branch
G-08503-0	Brace – Rotor Side
G-05605-0	Brace – Bell Side
G-12479-0	Lever Saddle
G-07543-0	Lever
Other rotor parts are the same as the 1047F.	

INSIDE SLIDE PARTS

G-07744-0	Venturi Tube
G-07999-0	Mouthpiece Receiver
G-07013-0	Inside Slide Tube – Lower
G-07010-0	Inside Slide Tube – Upper
G-07220-0	Cork Barrel – either side
G-07219-0	Upper Ferrule with Brace Socket
G-07222-0	Lower Ferrule with Brace Socket
G-12740-0	Brace Rod
G-07296-0	Lock Ring w/ Hook
G-07200-0	Bell Receiver Taper – Male

OUTSIDE SLIDE PARTS

G-07111-0	Outside Slide Tube – Lower
G-07110-0	Outside Slide Tube – Upper
G-13605-0	Handslide Crook
G-13610-0	Handslide Crook Assembly – Includes: Crook, Guard, Waterkey Saddle & Nipple
G-07879-0	Upper Ferrule
G-07870-0	Upper Sleeve
G-07876-0	Upper Trim Ring
G-07850-0	Lower Ferrule
G-07861-0	Lower Sleeve
G-07877-0	Lower Trim Ring
G-07703-0	Brace Flange
G-07732-0	Brace Tube
Other parts the same as 351 Trombone.	

747 ETERNA II TENOR TROMBONE w/ F ATTACHMENT Large Bore – .547"

BELL SECTION

G-05975-0	Bell – 8 1/2" Dia.
G-07832-0	Outside Ferrule – large
G-07831-0	Outside Ferrule – small
G-07934-0	Inside Tube – large
G-07935-0	Inside Tube – small
G-07752-0	Brace Tube
G-07650-0	Main Tuning Slide Assembly
G-07671-0	Crook – Main
G-07936-0	"F" Inside Slide Tube
G-07804-0	"F" Slide Ferrule
G-07957-0	"F" Outside Slide Tube
G-07670-0	"F" Crook
G-07372-0	"F" Tuning Slide Assembly
G-05700-0	Brace Socket
G-05767-0	Brace Rod
G-07801-0	Bell Ferrule
G-07960-0	Outside T.S. Tube – large
G-07959-0	Outside T.S. Tube – small
G-07814-0	Rotor to F Branch Ferrule
G-13620-0	Gooseneck Ferrule
G-07799-0	Branch Ferrule
G-13607-0	"L" Branch
G-13634-0	"S" Branch – Short
G-07673-0	Large Return Bow
G-08603-0	Small Return Bow
G-07649-0	Handslide Receiver Assembly
G-07752-0	Brace Post Tube
G-07750-0	Brace Socket – Bell Side
G-05700-0	Brace Socket
G-05798-0	Brace Tube
G-05603-0	Brace
G-05665-0	Bell to Branch Brace

VALVE PARTS

G-12479-0	Lever Saddle
G-07543-0	Lever
Other rotor parts are the same as the 1047F	

INSIDE SLIDE PARTS

G-12352-0	Venturi Tube
G-07013-0	Inside Slide Tube – Lower
G-07012-0	Inside Slide Tube – Upper
G-07220-0	Cork Barrel – either
G-07296-0	Lock Ring w/ Hook
G-07221-0	Cork Barrel Trim Ring
G-07222-0	Cork Barrel Ferrule with Socket
G-12740-0	Brace Tube
G-07200-0	Bell Receiver Taper – male

OUTSIDE SLIDE PARTS

G-07111-0	Outside Slide Tube
G-07850-0	Ferrule
G-07378-0	Handslide Crook Assembly – Includes: Crook, Guard, Saddle & Nipple

G-07364-0 Crook
G-07880-0 Cork Ring
G-07732-0 Brace Tube
G-07703-0 Brace Flange
Other parts same as 351 Trombone

1025 & 1025R ETERNA TROMBONE .525" Bore

(Discontinued production January 2002)

BELL SECTION PARTS

G-07610-0 Bell – Engraved – Yellow Brass – 1025
G-07922-L Tuning Slide Ass'y – Yellow Brass – 1025
G-12205-0 Tuning Slide Crook – Yellow Brass – 1025
G-07611-0 Bell – Engraved – Red Brass – 1025R
G-07920-L Tuning Slide Ass'y – Red Brass – 1025R
G-12206-0 Tuning Slide Crook – Red Brass – 1025R
Other parts same as the 1047F Trombone

INSIDE SLIDE PARTS

G-07744-0 Venturi Tube
G-07010-0 Inside Tube – Short, upper
G-07011-0 Inside Tube – Long, lower
G-07639-0 Bell Receiver Taper – Male
Other parts same as 1047F Trombone

OUTSIDE SLIDE PARTS

G-07110-0 Outside Tube
G-07860-0 Outside Tube Sleeve
G-07876-0 Outside Tube Trim Ring
G-13605-0 Handslide Crook
G-07849-0 Crook Ferrule
Other slide parts same as 351 Trombone

1025F & 1025FR ETERNA TROMBONE w/ F ATTACHMENT .525" Bore

(Discontinued production January 2002)

BELL SECTION PARTS

G-07688-0 Gooseneck – Yellow Brass – 1025F
G-07689-0 Gooseneck – Red Brass – 1025FR
G-12808-0 Gooseneck to Valve Ferrule
G-13608-0 Slide Receiver Assembly
G-07924-L "F" Slide Ass'y – Yellow Brass – 1025F
G-07923-L "F" Slide Ass'y – Red Brass – 1025FR
G-12204-0 "F" Slide Crook – Yellow Brass – 1025F
G-07660-0 "F" Slide Crook – Red Brass – 1025FR
G-07848-0 "F" Slide Ferrule w/Post
G-07983-0 "F" Slide Outside Tube – Short
G-12605-0 "F" Slide Outside Tube – Long
G-07929-0 "F" Slide Inside Tube – Short
G-12507-0 "F" Slide Inside Tube – Long
G-07872-0 "F" Slide Outside Tube Trim Ring
G-07764-0 "F" Slide Brace Socket
G-07740-0 "F" Slide Brace Rod-Both
G-07573-0 180° Branch – Yellow Brass – 1025F
G-07574-0 180° Branch – Red Brass – 1025FR
G-07571-0 Lg. 90° Branch – Yellow Brass – 1025F

G-07572-0 Lg. 90° Branch – Red Brass – 1025FR
G-07575-0 Sm. 90° Branch – Yellow Brass – 1025F
G-07576-0 Sm. 90° Branch – Red Brass – 1025FR
G-12808-0 Branch Ferrule
Other bell parts same as 1047F & 1047FR Trombone

SLIDE SECTION PARTS

Same as 1025 Trombone

1036F ETERNA TENOR TROMBONE w/ F ATTACHMENT .525" Bore

BELL SECTION PARTS

G-07610-0 Bell – Yellow – 8" Diameter
G-12206-0 Crook – Red Brass
G-12503-0 T.S. Inside Slide Tube – Small
G-12501-0 T.S. Inside Slide Tube – Large
G-12607-0 T.S. Outside Slide Tube – Small
G-12601-0 T.S. Outside Slide Tube – Large
G-07870-0 T.S. Outside Trim Ring – Small
G-07871-0 T.S. Outside Trim Ring – Large
G-12697-0 T.S. Ferrule w/Post – Small
G-12814-0 T.S. Ferrule w/Post – Large
G-12733-0 Brace Tube – Tuning Slide & Rear Bell
G-12815-0 Bell Ferrule w/Post – Small
G-12822-0 Bell Ferrule w/Post – Large
G-07765-0 Front Bell Brace Socket – Large
G-07743-0 Front Bell Brace Tube
G-13608-0 Handslide Rec'r Ass'y – Female
G-07688-0 Gooseneck – Yellow Brass

VALVE SECTION PARTS

Same as 1047F Trombone

INSIDE SLIDE PARTS

G-07744-0 Venturi Tube
G-07999-0 Mouthpiece Receiver
G-07010-0 Inside Tube – Short, upper
G-07011-0 Inside Tube – Long, lower
G-07219-0 Cork Barrel Brace – either side
G-07220-0 Cork Barrel – either side
G-07221-0 Bell Side Cork Barrel Trim Ring
G-12740-0 Brace Tube
G-07296-0 Slide Lock Ring w/Hook
G-07639-0 Bell Taper – Male

OUTSIDE SLIDE PARTS

G-07110-0 Outside Tube
G-12292-0 Outside Tube Sleeve
G-04790-0 Outside Tube Trim Ring
G-13610-0 Handslide Crook Assembly – Includes:
Crook, Guard, Saddle & Nipple
G-13604-0 Hand Slide Crook
G-07879-0 Crook Ferrule
A140 Crook Guard
G-07302-0 Slide Lock Lug
G-07703-0 Brace Socket
G-07732-0 Brace Tube
Waterkey parts same as 351 Trombone

1047 & 1047R ETERNA TENOR Large Bore - .547"

BELL SECTION PARTS

G-07612-0 Bell – Engraved – Yellow Brass – 1047
G-07613-0 Bell – Engraved – Red Brass – 1047R
Other bell parts same as 1025-1025R Trombone

INSIDE SLIDE PARTS

Other slide parts same as 1047F Trombone

OUTSIDE SLIDE PARTS

Other slide parts same as 1047F Trombone

1047F & 1047FR ETERNA TENOR

w/ F ATTACHMENT Large Bore – .547"

BELL SECTION PARTS

G-07613-0 Bell – Red Brass – 8 1/2" Dia. – 1047FR
G-12205-0 Crook – Yellow Brass – 1047
G-12206-0 Crook – Red Brass – 1047FR
G-12503-0 T.S. Inside Slide Tube – Small
G-12501-0 T.S. Inside Slide Tube – Large
G-12693-0 T.S. Outside Slide Tube – Small
G-12696-0 T.S. Outside Slide Tube – Large
G-07870-0 T.S. Outside Trim Ring – Small
G-07871-0 T.S. Outside Trim Ring – Large
G-12697-0 T.S. Ferrule w/Post – Small
G-12814-0 T.S. Ferrule w/Post – Large
G-12733-0 Brace Tube – Tuning Slide & Rear Bell
G-12815-0 Bell Ferrule w/Post – Small
G-12822-0 Bell Ferrule w/Post – Large
G-07765-0 Front Bell Brace Socket – Large
G-07743-0 Front Bell Brace Tube
G-13608-0 Handslide Rec'r Ass'y – Female
G-07688-0 Gooseneck – Yellow Brass – 1047
G-07689-0 Gooseneck – Red Brass – 1047R
A129 Balancer (pair)
G-07606-0 Balancer Screw – each
G-07618-0 Balancer Emblem (pair)

VALVE SECTION PARTS

G-07404-0 Rotor Valve Assembly
G-09400-0 Valve (Rotor)
G-09402-0 Back Bearing
G-09401-0 Valve Cap
G-07542-0 Lever
G-07436-0 Lever Cover – Delrin
G-12479-0 Lever Saddle
G-12445-0 Lever Hinge Screw
G-07470-0 Lever Spring
G-07435-0 Linkage Screw – 2 needed
G-12492-0 Linkage Rod Bearing End – 2 needed
G-07434-0 Linkage Rod – Threaded
G-12495-0 Linkage Rod Nut – 2 needed
G-07441-0 Rotor Stop Arm
G-07411-0 Stop Arm Screw

G-07431-0 Cork Plate
G-07410-0 Cork Plate Screw
G-07432-0 Cork Plate Bumper – 6" length

INSIDE SLIDE PARTS

G-12352-0 Venturi Tube
G-07999-0 Mouthpiece Receiver
G-07012-0 Inside Tube – Short, upper
G-07013-0 Inside Tube – Long, lower
G-07219-0 Cork Barrel Brace – either side
G-07220-0 Cork Barrel – either side
G-07221-0 Bell Side Cork Barrel Trim Ring
G-12740-0 Brace Tube
G-07296-0 Slide Lock Ring w/Hook
G-07200-0 Bell Taper – Male

OUTSIDE SLIDE PARTS

G-07111-0 Outside Tube
G-07861-0 Outside Tube Sleeve
G-07877-0 Outside Tube Trim Ring
G-07364-0 Hand Slide Crook
G-07850-0 Crook Ferrule
A140 Crook Guard
G-07302-0 Slide Lock Lug
G-07703-0 Brace Socket
G-07732-0 Brace Tube

1050 ETERNA JAZZ TENOR

.508" Bore

BELL SECTION PARTS

G-06683-0 Bell – Engraved
Other bell parts same as 351 Trombone

INSIDE SLIDE PARTS

G-11009-0 Venturi Tube
G-11003-0 Mouthpiece Receiver
G-07017-0 Inside Tube – Short
G-07018-0 Inside Tube – Long
G-12338-0 Cork Barrel Brace – either side
G-11005-0 Cork Barrel – either side
G-11008-0 Slide Lock Ring w/ hook
G-12335-0 Bell Taper – Male
G-11006-0 Bell Side Cork Barrel Trim Ring
G-11012-0 Brace Tube

OUTSIDE SLIDE PARTS

G-07119-0 Outside Slide Tube
G-13990-0 Outside Tube Sleeve
G-07703-0 Brace Socket
Other slide parts same as 351 Trombone

1052FD ETERNA BASS TROMBONE

Bb-F-D DOUBLE ROTOR – .562" Bore

BELL SECTION PARTS

G-12207-0 Tuning Slide Crook – Rose
G-13622-0 Handslide Receiver Assembly
Other parts same as 1062FD Trombone

VALVE SECTION PARTS

G-07420-0 F Valve Assembly
G-07422-0 D Valve Assembly
G-07543-0 F Lever
G-13762-0 D Lever
Other rotor parts same as 1062FD Trombone

INSIDE SLIDE PARTS

G-07014-0 Inside Slide Tube
G-12102-0 Upper Cork Barrel
G-12100-0 Lower Cork Barrel
G-12199-0 Bell Taper – Male
Other parts same as 1062FD Trombone

OUTSIDE SLIDE PARTS

G-07112-0 Outside Slide Tube
G-12291-0 Outside Tube Sleeve
G-07877-0 Cork Ring
G-13604-0 Handslide Crook
Other parts same as 1062FD Trombone

1062FD ETERNA BASS TROMBONE

Bb-F-D DOUBLE ROTOR

Dual Bore – .562"/.578"

BELL SECTION PARTS

G-12918-0 Bell – Engraved – 9 1/2" dia.
G-12311-L Tuning Slide Assembly
G-12200-0 Tuning Slide Crook
G-12811-0 T.S. Ferrule w/Post – Small
G-12810-0 T.S. Ferrule w/Post – Large
G-12733-0 Tuning Slide Brace Tube - Both
G-12602-0 T.S. Outside Tube – Small
G-12600-0 T.S. Outside Tube – Large
G-12502-0 T.S. Inside Tube – Small
G-12500-0 T.S. Inside Tube – Large
G-07873-0 T.S. Trim Ring – Small
G-07874-0 T.S. Trim Ring – Large
G-12313-L D Slide Assembly
G-12608-0 D Slide Outside Tube
G-12516-0 D Slide Inside Tube
G-12251-0 D Slide 55° Branch
G-12271-0 D Slide Upper Branch – Large
G-12272-0 D Slide Lower Branch
G-12806-0 D Branch Ferrules – Brass
G-12312-L F Slide Assembly
G-12515-0 F Slide Ext. Tube
G-12604-0 F Slide Outside Tube
G-12504-0 F Slide Inside Tube
G-05800-0 F Slide Brace Socket
G-12742-0 F Slide Brace Rod
G-12270-0 F Slide 90° Upper Branch
G-12262-0 F Slide "S" Lower Branch
G-12203-0 D or F Slide Crook
G-12807-0 D or F Slide Ferrule
G-07875-0 D or F Slide Trim Ring
G-05605-0 Outside to Outside Spacer Brace
G-08503-0 Outside to Bell Ferrule Brace
G-12823-0 Bell Ferrule w/Post
G-12812-0 Gooseneck Ferrule w/Post

G-07765-0 Front Bell Brace Socket
G-07743-0 Front Bell Brace Tube
G-13622-0 Handslide Receiver Ass'y after Ser. #1543
G-12164-0 Handslide Receiver Ass'y before Ser. #1543
G-12281-0 Gooseneck
G-12807-0 Rotor Valve Ferrule

ROTOR VALVE PARTS

F Rotor Parts

G-07412-0 F Rotor Valve Assembly
G-09504-0 F Valve (Rotor)
G-07542-0 F Lever
G-07436-0 F Lever Cover – Delrin
G-12479-0 F Lever Saddle
G-07441-0 F Stop Arm
G-12445-0 F Lever Hinge Screw
G-07434-0 Linkage Rod – F Lever
D Rotor Parts (also known as Gb)
G-07403-0 D Rotor Valve Assembly
G-09505-0 D Valve (Rotor)
G-07441-0 D Stop Arm
G-09511-0 D Lever
G-12450-N D Lever Spatula
G-14071-0 D Lever Spatula Screw
G-07501-0 D Lever Saddle
G-12790-0 D Lever Saddle Support
G-07503-0 D Lever Hinge Screw
G-07442-0 Linkage Rod – D Lever

Parts Common to Both Rotors

G-09506-0 Valve Cap
G-09507-0 Back Bearing
G-07470-0 Lever Spring
G-12495-0 Linkage Rod Nut – 2 needed
G-07435-0 Linkage Screw – 2 needed
G-12492-0 Linkage Rod Bearing End – 2 needed
G-07411-0 Stop Arm Screw
G-07431-0 Cork Plate
G-07410-0 Cork Plate Screw
G-07432-0 Rubber Bumper – 6" length

INSIDE SLIDE PARTS

G-12361-0 Venturi Tube – solder in
G-13150-0 Venturi #1 – Screws in
G-13151-0 Venturi #2 – Screws in
G-13152-0 Venturi #3 – Screws in
G-07014-0 Inside Tube – Short, upper
G-07016-0 Inside Tube – Long, lower
G-07220-0 Cork Barrel
G-07296-0 Slide Lock Ring
G-07221-0 Bell Side Cork Barrel Trim Ring
G-13658-0 Bell Receiver Taper – male after Ser. #1543
G-12142-0 Bell Receiver Taper – male before Ser. #1543
G-12740-0 Brace Tube
G-12111-0 Cork Barrel Brace – either side

OUTSIDE SLIDE PARTS

G-07112-0 Outside Tube – Small – Upper
G-07113-0 Outside Tube – Large – Lower
G-12291-0 Upper Outside Sleeve
G-12695-0 Lower Outside Sleeve

G-07877-0	Outside Tube Trim Ring – Small
G-07856-0	Outside Tube Trim Ring – Large
G-07302-0	Slide Lock Lug
G-07703-0	Brace Socket
G-07732-0	Brace Tube
G-07366-0	Slide Crook
G-07851-0	Slide Crook Ferrule – Small
G-07854-0	Slide Crook Ferrule – Large
A140	Slide Crook Guard
G-07390-0	Waterkey
G-07392-0	Waterkey Saddle
G-07395-0	Waterkey Screw
G-07393-0	Waterkey Nipple
A351	Waterkey Spring
A334	Waterkey Pad

CUSTOM SERIES TROMBONES

Parts not listed must be ordered directly from Getzen

PARTS COMMON TO ALL

G-07411-0	Stop Arm Screw
G-12489-0	Linkage Assembly – Includes: 2 Bearing Ends, Rod & Lock Nuts
G-12492-0	Linkage Rod Bearing End – 2 needed
G-07435-0	Linkage Screw – 2 needed
G-12495-0	Linkage Rod Nut – 2 needed
G-07543-0	Lever
G-12479-0	Lever Saddle
G-12445-0	Lever Hinge Screw
G-12999-0	F Lever Spring
G-12496-0	D Lever Spring
G-12497-0	Rubber Bumper – Black
G-12451-N	Knurled Brace Screw – 8 x 32

3047AF CUSTOM TENOR TROMBONE

Large Bore – .547"

INSIDE SLIDE PARTS

G-13100-0	Venturi #1 – Screw in
G-13101-0	Venturi #2 – Screw in
G-13102-0	Venturi #3 – Screw in
G-12740-0	Brace Tube

All other parts are the same as 1047 Trombone

OUTSIDE SLIDE PARTS

G-13605-0	Crook – nickel
G-13610-0	Crook Assembly
G-07732-0	Brace Tube

All other parts are the same as 1047 Trombone

3062AF CUSTOM BASS TROMBONE

Dual Bore – .562"/.578"

INSIDE SLIDE PARTS

Parts same as 1062 Trombone

OUTSIDE SLIDE PARTS

Parts same as 1062 Trombone

3508 CUSTOM JAZZ TROMBONE

Dual Bore – .500"/.508"

BELL PARTS

G-05978-0	Bell – engraved – 7 3/4" (yellow)
G-07652-0	Tuning Slide Assembly – Lacquer
G-07677-0	Tuning Slide Crook
G-07945-0	Inside Slide Tube – small
G-07946-0	Inside Slide Tube – large
G-07839-0	Tuning Slide Ferrule w/Socket – large
G-07840-0	Tuning Slide Ferrule w/Socket – small
G-13666-0	Ferrule with Socket Rear – large
G-07841-0	Outside Tube with Socket – small
G-07989-0	Outside Slide Tube – large
G-07752-0	Brace Tube – either
G-07765-0	Brace Socket – Bell Side
G-07752-0	Brace Tube – Front
G-07643-0	Slide Receiver Assembly
G-07684-0	Gooseneck

INSIDE SLIDE PARTS

G-13200-0	Venturi #1 – Screw in
G-13201-0	Venturi #2 – Screw in
G-13202-0	Venturi #3 – Screw in
G-07019-0	Inside Slide Tube – upper
G-07018-0	Inside Slide Tube – Lower
G-12340-0	Cork Barrel Brace – upper
G-12338-0	Cork Barrel Brace – lower
G-11012-0	Brace Tube
G-11008-0	Slide Lock Ring
G-12335-0	Bell Taper – male

OUTSIDE SLIDE PARTS

G-07119-0	Outside Slide Tube – upper
G-07119-0	Outside Slide Tube – lower
G-07846-0	Ferrule – upper
G-13617-0	Ferrule – lower

Other parts the same as 351 Trombone

MODEL 998, 999 ETERNA Bb VALVE TROMBONE

.500" Bore

BELL SECTION PARTS

G-06611-2	Bell – Engraved – 7 5/8"
G-07919-L	Tuning Slide Assembly
G-07678-0	Tuning Slide Crook
G-07949-0	T.S. Inside Tube – Small
G-07948-0	T.S. Inside Tube – Large

G-07981-0	T.S. Outside Tube – Small
G-07982-0	T.S. Outside Tube – Large
G-07706-0	T.S. Ferrule w/Post – Small
G-07707-0	T.S. Ferrule w/Post – Large
G-07708-0	Bell Ferrule w/Post – Large
G-07735-0	T.S. Brace Rod
G-07735-0	Rear Bell Brace Rod
G-07709-0	Front Bell Brace Socket – Small
G-07705-0	Front Bell Brace Socket – Large
G-07736-0	Front Bell Brace Rod
G-07685-0	Gooseneck
G-07644-0	Slide Receiver
G-07262-0	Bell Lock Nut

MAIN BODY PARTS

G-04162-0	Mouthpiece Receiver Sleeve
G-07252-0	Mouthpipe Tube – Venturi
G-07003-0	Long Tube – Upper
G-07002-0	Long Tube – Lower
G-04165-0	Long Tube Lower Ferrule
G-07363-0	Mouthpipe Crook
G-04921-0	Mouthpipe Crook Knob
G-04142-0	Mouthpipe Crook Ferrule
G-04904-0	Finger Hook
G-04963-0	Lyre Holder
G-01481-N	Lyre Holder Screw
G-05644-0	Valve to Mouthpipe Brace
G-05604-0	1st, 3rd or 1st to Receiver Tube Brace
G-05603-0	Lower 3rd to Lower Long Tube Brace
G-05628-0	Brace Socket
G-07727-0	Brace Rod – Rear
G-07726-0	Brace Rod – Front
G-04396-0	Slide Receiver Ext. Tube
G-04163-0	Slide Receiver Ext. Tube Ferrule
G-07294-0	Slide Receiver Taper – Male

VALVE SLIDE PARTS

A920	Waterkey Assembly
G-05378-L	1st Slide Assembly
G-05456-L	2nd Slide Assembly
G-05379-L	3rd Slide Assembly
G-07679-0	1, 2 or 3 Slide Crook
G-04397-0	1st Slide Inside Tube
G-04624-0	1st Slide Outside Tube
G-04398-0	2nd Slide Inside Tube
G-04625-0	2nd Slide Outside Tube
G-04397-0	3rd Slide Inside Tube
G-04623-0	3rd Slide Outside Tube
G-04165-0	1st & 2nd Slide Ferrule
G-04164-0	3rd Slide Ferrule
G-04921-0	Slide Pull Knob

VALVE SECTION PARTS

G-03441-0	#1 Piston w/Stem
G-03442-0	#2 Piston w/Stem
G-03443-0	#3 Piston w/Stem

Other Valve Parts are the same as the 390 Trumpet

INSIDE AND OUTSIDE SLIDE SECTION PARTS

Are the same as Model 351 Trombone

GETZEN MARCHING & MISC

UPRIGHT BARITONE HORN

Model G8230

MOUTHPIPE PARTS

G-08062-0	Mouthpipe Assembly
G-08001-0	Mouthpipe Tube
G-08030-0	Mouthpiece Receiver
G-08411-0	Mouthpipe Ferrule
G-04962-0	Lyre Holder
A440	Lyre Holder Screw
G-08790-0	Finger Ring (Solder On)

SLIDE PARTS

A920	Waterkey Assembly
G-08634-L	1st Slide Assembly – Lacquer
G-08632-L	2nd Slide Assembly – Lacquer
G-08636-L	3rd Slide Assembly – Lacquer
G-08637-L	Tuning Slide Assembly – Lacquer
G-08603-0	1st or 3rd Slide Crook
G-08601-0	2nd Slide Crook
G-08604-0	Tuning Slide Crook
G-08417-0	1st Slide Ferrule
G-08406-0	2nd Slide Ferrule
G-08404-0	3rd Slide Ferrule
G-08409-0	Tuning Slide Ferrule – Small
G-08415-0	Tuning Slide Ferrule – Large
G-08201-0	1st Slide Inside Tube – 3 3/8"
G-08203-0	1st Slide Inside Tube – 3 1/8"
G-08303-0	1st Slide Outside Tube – 4 3/8"
G-08305-0	1st Slide Outside Tube – 3 3/4"
G-08202-0	2nd Slide Inside Tube
G-08304-0	2nd Slide Outside Tube
G-08211-0	3rd Slide Inside Tube
G-08310-0	3rd Slide Outside Tube – 4 1/16"
G-08311-0	3rd Slide Outside Tube – 4 13/16"
G-08217-0	Tuning Slide Inside Tube – Small
G-08216-0	Tuning Slide Inside Tube – Large
G-08215-0	Tuning Slide Outside Tube – Small
G-08317-0	Tuning Slide Outside Tube – Large
G-04921-0	Slide Pull Knob

VALVE SECTION PARTS

G-01640-L	Top Cap – Lacquer
G-01640-S	Top Cap – Silver
G-01740-L	Bottom Cap – Lacquer
G-01740-S	Bottom Cap – Silver
G-01540-L	Finger Button – Lacquer
G-01540-S	Finger Button – Silver
G-03453-0	#1 Piston
G-03454-0	#2 Piston
G-03455-0	#3 Piston
G-01220-0	Piston Guide – Screw-in – 3 x .5mm
G-03599-L	Piston Stem
A410	Piston Stem Felt
G-01102-0	Top Cap Felt
A383	Valve Spring

BRACES

G-08500-0	Mouthpiece Receiver to Bell
G-08503-0	1st or 3rd Slide Spacer Brace
G-05605-0	2nd Slide Spacer Brace
A157	Mouthpipe Brace
G-08505-0	Bell to 2nd Branch Brace
G-08504-0	Bell to 3rd Branch Brace
G-05605-0	3rd to 1st Branch Brace
G-08502-0	4th Branch to 1st Branch, 4th Branch to Valve Section, T.S. to Valve – Large & T.S. to 1st Branch Brace
G-05603-0	T.S. to Valve Brace – Small
G-05800-0	3rd to 4th Branch or 3rd Branch T.S. Brace
G-05777-0	3rd to 4th Branch Brace Rod
G-05779-0	3rd Branch to T.S. Brace Rod
G-05604-0	3rd to T.S. Brace

BODY PARTS

G-06680-0	Bell – Engraved
G-08909-0	1st Branch
G-08904-0	2nd Branch
G-08905-0	3rd Branch
G-08906-0	4th Branch
G-08400-0	Bell to 1st Ferrule
G-07701-0	1st to 2nd Branch Ferrule
G-08412-0	2nd to 3rd Branch Ferrule
G-08412-0	3rd to 4th Branch Ferrule
G-08730-0	1st Slide 90° Crook
G-08414-0	1st Slide 90° Crook Ferrule
G-08764-0	Guard Wire – Small
G-08763-0	Guard Wire – Large

MARCHING BRASS PARTS

(All Marching Brass was discontinued in 1999)

MARCHING MELLOPHONE

Model G4410

All Parts Obsolete When Gone

MOUTHPIPE PARTS

G-02002-0	Mouthpipe Tube
G-04017-0	Mouthpiece Receiver
G-04904-0	Finger Hook
A920	Waterkey Assembly

SLIDE PARTS

A920	3rd Slide Waterkey Assembly
G-05310-L	1st Slide Assembly – Lacquer
G-05310-S	1st Slide Assembly – Silver
G-05311-L	2nd Slide Assembly – Lacquer
G-05311-S	2nd Slide Assembly – Silver
G-05312-L	3rd Slide Assembly – Lacquer
G-05312-S	3rd Slide Assembly – Silver
G-05313-L	Tuning Slide Assembly – Lacquer
G-05313-S	Tuning Slide Assembly – Silver
G-05391-L	Eb Slide Assembly – Lacquer
G-05391-S	Eb Slide Assembly – Silver
G-05123-0	1st or 2nd Slide Crook
G-05104-0	3rd Slide Crook – Small & E
G-05105-0	3rd Slide Crook – Large

G-05200-0	Tuning Slide Crook
G-04100-0	1st Slide Ferrule – Upper
G-04101-0	Eb or 1st Slide Ferrule – Lower
G-04111-0	2nd Slide Ferrule
G-04110-0	3rd Slide Ferrule – Upper
G-04678-0	3rd Slide Ferrule – Lower
G-04101-0	Tuning Slide Ferrule
G-04448-0	1st Slide Inside Tube
G-04513-0	1st Slide Outside Tube – Upper
G-04512-0	1st Slide Outside Tube – Lower
G-04463-0	2nd Slide Inside Tube
G-04523-0	2nd Slide Outside Tube
G-04447-0	3rd Slide Inside Tube
G-04547-0	3rd Slide Outside Tube
G-04448-0	Tuning Slide Inside Tube – Upper
G-04336-0	Tuning Slide Inside Tube – Lower
G-04512-0	Tuning Slide Outside Tube – Upper
G-04671-0	Tuning Slide Outside Tube – Lower
G-04336-0	Eb Slide Inside Tube
G-04537-0	Eb Slide Outside Tube
G-04971-0	1st Slide Thumb Hook
G-04921-0	Slide Pull Knob
A1659	Slide “O” Ring
G-04962-0	Lyre Holder

VALVE SECTION PARTS

G-01600-L	Top Cap – Lacquer
G-01600-S	Top Cap – Silver
G-01700-L	Bottom Cap – Lacquer
G-01700-S	Bottom Cap – Silver
A320	Finger Button
A320-S	Finger Button – Silver
G-03445-0	#1 Piston
G-03446-0	#2 Piston
G-03447-0	#3 Piston
G-01200-0	Valve Guide
G-03590-0	Piston Stem – aluminum
A412	Piston Stem Felt
A461	Piston Stem Cork
G-01100-0	Top Cap Washer
G-11099-0	Valve Spring

BRACES

G-05604-0	3rd Slide Space or T.S. to 1st Brace
G-05625-0	Valve to Mouthpipe Brace
G-05623-0	Valve to Bell Brace – Small
G-05624-0	Valve to Bell Brace – Large
G-05800-0	Tuning to 1st Slide Flange
G-05778-0	Tuning to 1st Slide Rod
G-05800-0	Receiver to Bell Flange – Small
G-05801-0	Receiver to Bell Flange – Large
G-05782-0	Receiver to Bell Rod

BODY PARTS

G-06681-0	Bell – Engraved – 10 1/2"
G-04171-0	Bell Ferrule
G-02707-0	1st Branch
G-04101-0	1st Branch to Valve Ferrule
G-04962-0	Lyre Holder
A440	Lyre Holder Screw
A920	1st Branch Waterkey Assembly

F MARCHING FRENCH HORN

MODEL G4450

All Parts Obsolete When Gone

MOUTHIPIPE PARTS

G-02060-0	Mouthpipe Assembly
G-03800-0	Mouthpipe Tube
G-04904-0	Finger Hook
G-04109-0	Mouthpipe Ferrule
A920	Waterkey Assembly

SLIDE PARTS

G-05300-L	1st Slide Assembly – Lacquer
G-05300-S	1st Slide Assembly – Silver
G-05311-L	2nd Slide Assembly – Lacquer
G-05311-S	2nd Slide Assembly – Silver
G-05302-L	3rd Slide Assembly – Lacquer
G-05302-S	3rd Slide Assembly – Silver
G-05303-L	Tuning Slide Assembly – Lacquer
G-05303-S	Tuning Slide Assembly – Silver
G-05123-0	1st or 2nd Slide Crook
G-05104-0	3rd Slide Crook – Small
G-05105-0	3rd Slide Crook – Large
G-05102-0	Tuning Slide Crook
G-04101-0	1st Slide Ferrule – Lower
G-04100-0	1st Slide Ferrule – Upper
G-04111-0	2nd or Tuning Slide Ferrule
G-04110-0	3rd Slide Ferrule
G-04448-0	1st Inside Slide Tube
G-04537-0	1st Outside Slide Tube – Lower
G-04538-0	1st Outside Slide Tube – Upper
G-04463-0	2nd Slide Inside Tube
G-04523-0	2nd Slide Outside Tube
G-04447-0	3rd Slide Inside Tube
G-04547-0	3rd Slide Outside Tube
G-04678-0	3rd Slide Return Tube
G-04480-0	Tuning Slide Inside Tube
G-04510-0	Tuning Slide Outside Tube
G-04921-0	Slide Pull Knob
G-04971-0	1st Slide Thumb Hook
G-04962-0	3rd Lyre Holder
A440	Lyre Holder Screw
G-08790-0	3rd Slide Finger Ring (Solder On)

VALVE SECTION PARTS

Valve section parts same as Bb Marching French Horn Model G4460

BRACES

G-05604-0	3rd Slide Spacer Brace
G-05622-0	Tuning Slide Spacer Brace
G-05611-0	Valve to Bell Brace
G-05610-0	Valve to Mouthpipe Brace
G-05800-0	Receiver to Bell Brace Flange – Small
G-05801-0	Receiver to Bell Brace Flange – Large
G-05783-0	Receiver to Bell Brace Rod
G-05800-0	Bell to 1st Branch Brace Flange – Small

G-05801-0	Bell to 1st Branch Brace Flange – Large
G-05781-0	Bell to 1st Branch Brace Rod
G-05603-0	1st Branch to 3rd Slide Brace

BODY PARTS

G-05952-0	Bell – Engraved – 11"
G-02301-0	Bell Ferrule
G-02701-0	1st Branch
G-04117-0	1st Branch to T.S. Ferrule

Bb MARCHING FRENCH HORN

MODEL G4460

All Parts Obsolete When Gone

MOUTHIPIPE PARTS

G-02064-0	Mouthpipe Assembly
G-02000-0	Mouthpipe Tube
G-04951-0	Finger Hook
A920	Waterkey Assembly

SLIDE PARTS

G-05330-L	1st Slide Assembly – Lacquer
G-05330-S	1st Slide Assembly – Silver
G-05331-S	2nd Slide Assembly – Silver
G-05332-L	3rd Slide Assembly – Lacquer
G-05332-S	3rd Slide Assembly – Silver
G-05333-L	Tuning Slide Assembly – Lacquer
G-05333-S	Tuning Slide Assembly – Silver
G-05101-0	1st Slide Crook
G-05103-0	2nd Slide Crook
G-05104-0	3rd Slide Crook – Small
G-05105-0	3rd Slide Crook – Large
G-05202-0	Tuning Slide Crook
G-05102-0	Small Return Crook – 3rd Valve
G-05105-0	Large Return Crook – 1st Branch
G-04111-0	1st Slide Crook Ferrule – 1/4"
G-04521-0	1st Slide Upper Inside Tube Ferrule – 1/4"
G-04547-0	1st Slide Lower Sleeve Tube – 1 5/8"
G-04101-0	2nd or Tuning Slide Ferrule
G-04322-0	1st Slide Inside Tube – Upper
G-04499-0	1st Slide Inside Tube – Lower
G-04548-0	1st Slide Outside Tube – Upper
G-04531-0	1st Slide Outside Tube – Lower
G-04489-0	2nd Slide Inside Tube
G-04517-0	2nd Slide Outside Tube
G-04329-0	3rd Slide Inside Tube
G-04519-0	3rd Slide Outside Tube
G-04549-0	3rd Slide Return Tube – Upper
G-04538-0	3rd Slide Return Tube – Lower
G-04330-0	Tuning Slide Inside Tube
G-04554-0	Tuning Slide Outside Tube – Upper
G-04555-0	Tuning Slide Outside Tube – Lower
G-04961-0	Lyre Holder – 1st Slide
G-04962-0	Lyre Holder – 3rd Slide
A440	Lyre Holder Screw
G-08791-L	1st Slide Push Rod
G-04921-0	Slide Pull Knob
A920	Waterkey Assembly

VALVE SECTION PARTS

G-03449-0	#1 Piston
G-03450-0	#2 Piston
G-03451-0	#3 Piston
Other valve section parts same as Marching Mellophone model G4410	

BRACES

G-05604-0	1st or 2nd Slide Spacer Brace
G-05609-0	3rd Slide Spacer Brace
G-05604-0	1st Slide to Lower Ext. Tube Brace
G-05700-0	3rd Slide to Return Tube Brace Flange
G-05764-0	3rd Slide to Return Tube Brace Rod
G-05605-0	T.S. to 1st Slide Brace
G-05610-0	Mouthpipe to Valve Brace
G-05614-0	1st Branch to Valve Brace
G-05800-0	T.S. to Bell Brace Flange
G-05791-0	T.S. to Bell Brace Rod – Rear
G-05792-0	T.S. to Bell Brace Rod – Front
G-05800-0	Receiver to Bell Flange – Small
G-05801-0	Receiver to Bell Flange – Large
G-05783-0	Receiver to Bell Rod
G-05616-0	1st Branch to Bell Brace

BODY PARTS

G-02701-0	1st Branch
G-05952-0	Bell – Engraved – 11"
G-02301-0	Bell Ferrule
G-02300-0	1st Branch to Extension Tube Ferrule
G-04528-0	Lower 3rd Return Tube
G-04540-0	Extension Tube – 1st Branch – Upper
G-04542-0	Extension Tube – 1st Branch – Lower
G-04116-0	Extension Tube Ferrule

MARCHING TROMBONE – MODEL G4650

All Parts Obsolete When Gone

MOUTHIPIPE PARTS

G-07909-0	Mouthpipe Assembly
G-03820-0	Mouthpipe Tube
G-07900-0	Mouthpiece Receiver
G-04904-0	Finger Hook
A920	Waterkey Assembly

SLIDE PARTS

A920	3rd Slide Waterkey Assembly
G-07516-L	1st Slide Assembly – Lacquer
G-07516-S	1st Slide Assembly – Silver
G-07517-L	2nd Slide Assembly – Lacquer
G-07517-S	2nd Slide Assembly – Silver
G-07518-L	3rd Slide Assembly – Lacquer
G-07518-S	3rd Slide Assembly – Silver
G-07921-L	Tuning Slide Assembly – Lacquer
G-07921-S	Tuning Slide Assembly – Silver
G-07679-0	1st 2nd & 3rd Small Crook
G-05202-0	3rd Slide Crook – Large
G-05215-0	3rd Slide Crook – Medium

G-07992-0	Tuning Slide Crook
G-07990-0	1st or 3rd Valve Return Crook
G-04165-0	1st Slide Crook Ferrule
G-04164-0	2nd Slide Crook Ferrule
G-08117-0	3rd Slide Crook Ferrule
G-04142-0	Tuning Slide Ferrule
G-04142-0	1st or 3rd Return Tube Ferrule
G-08101-0	1st Slide Inside Tube
G-08105-0	1st Slide Outside Tube
G-08115-0	1st Slide Return Tube
G-08102-0	2nd Slide Inside Tube
G-08106-0	2nd Slide Outside Tube
G-08103-0	3rd Slide Inside Tube
G-08107-0	3rd Slide Outside Tube
G-08108-0	3rd Slide Return Tube – 2 1/2"
G-08113-0	3rd Slide Return Tube – 2 5/8"
G-08104-0	Tuning Slide Inside Tube
G-08109-0	Tuning Slide Outside Tube – Upper
G-08110-0	Tuning Slide Outside Tube – Lower
G-04921-0	Slide Pull Knob
G-04964-0	Lyre Holder
A440	Lyre Holder Screw

VALVE SECTION PARTS

G-03441-0	#1 Piston
G-03442-0	#2 Piston
G-03443-0	#3 Piston
G-01300-0	Valve Spring
Other valve section parts same as	
Marching Mellophone Model G4410	

BRACES

G-05604-0	1st or 3rd Slide Spacer Brace
G-05800-0	Tuning Slide Spacer Brace Flange
G-05786-0	Tuning Slide Spacer Brace Rod
G-05623-0	Valve to Bell Brace Flange – Small
G-05610-0	Valve to Mouthpipe Brace
G-05800-0	Receiver to Bell Brace Flange – Small
G-05801-0	Receiver to Bell Brace Flange – Large
G-05785-0	Receiver to Bell Brace Rod
G-05800-0	T.S. Tube to Branch Brace Flange
G-05785-0	T.S. Tube to Branch Brace Rod
G-05700-0	3rd Slide to Return Tube Brace
G-05606-0	2nd Branch to Valve Brace
G-05609-0	1st Slide to 2nd Return Tube Brace

BODY PARTS

A920	2nd Branch Waterkey Assembly
G-08951-0	1st Branch
G-08950-0	2nd Branch
G-07701-0	Bell Ferrule
G-07800-0	1st to 2nd Branch Ferrule
G-07806-0	2nd Branch to Ferrule
G-06611-0	Bell – Engraved – 8 1/2"

MARCHING BARITONE HORN MODEL G4500

All Parts Obsolete When Gone

MOUTHPIPE PARTS

G-08000-0	Mouthpipe Tube
G-08031-0	Mouthpiece Receiver
G-08790-0	Finger Ring (Solder On)
A920	Waterkey Assembly

SLIDE PARTS

A920	3rd Slide Waterkey Assembly
G-08631-L	1st Slide Assembly – Lacquer
G-08631-S	1st Slide Assembly – Silver
G-08632-L	2nd Slide Assembly – Lacquer
G-08632-S	2nd Slide Assembly – Silver
G-08633-L	3rd Slide Assembly – Lacquer
G-08633-S	3rd Slide Assembly – Silver
G-08630-L	Tuning Slide Assembly – Lacquer
G-08630-S	Tuning Slide Assembly – Silver
G-08600-0	1st Slide or 3rd Small Crook
G-08601-0	2nd Slide Crook
G-08602-0	3rd Slide Crook – Large
G-08680-0	Tuning Slide Crook
G-08405-0	1st Slide Ferrule – Upper
G-08406-0	2nd, 3rd, Tuning or 1st Slide Lower Ferrule
G-08408-0	3rd Slide to Valve Section Ferrule
G-08207-0	1st Slide Inside Tube – Upper
G-08204-0	1st Slide Inside Tube – Lower
G-08306-0	1st Slide Outside Tube – Upper
G-08303-0	1st Slide Outside Tube – Lower
G-08202-0	2nd Slide Inside Tube
G-08304-0	2nd Slide Outside Tube
G-08209-0	3rd Slide Inside Tube
G-08307-0	3rd Slide Outside Tube
G-08200-0	Tuning Slide Inside Tube – Upper
G-08206-0	Tuning Slide inside Tube – Lower
G-08305-0	Tuning Slide Outside Tube – Upper
G-08301-0	Tuning Slide Outside Tube – Lower
G-04921-0	Slide Pull Knob
G-04961-0	1st Slide Push Rod Holder
G-08791-L	1st Slide Push Rod
G-01101-0	Slide Bumper Ring

VALVE SECTION PARTS

Same as G8320 Upright Baritone Horn

BRACES

G-05605-0	1st, 2nd or 3rd Slide Spacer Brace
G-05605-0	3rd to 1st or T.S. to 1st Brace
G-05610-0	Valve to Mouthpipe Brace
G-05611-0	3rd Valve to Bell Brace
G-08501-0	1st Valve to Bell Brace
G-05801-0	1st Branch to 3rd Slide Brace Flange – Large
G-05800-0	1st Branch to 3rd Slide Brace Flange – Small
G-05787-0	1st Branch to 3rd Slide Rod
G-05801-0	2nd Branch to Bell Brace Flange – Large

G-05800-0	2nd Branch to Bell Brace Flange – Small
G-05791-0	2nd Branch to Bell Brace Rod
G-05605-0	Tuning Slide to 1st Branch Brace – Small
G-05603-0	Tuning Slide to 1st Branch Brace – Medium
G-05660-0	Tuning Slide to 1st Branch Brace – Large
G-05801-0	Receiver to 1st Branch Brace Flange – Large
G-05800-0	Receiver to 1st Branch Brace Flange – Small
G-05787-0	Receiver to 1st Branch Brace Rod
G-08506-0	Mouthpipe to Bell Ferrule Brace

BODY PARTS

G-08909-0	1st Branch
G-08902-0	2nd Branch
G-08400-0	Bell Ferrule
G-07701-0	1st to 2nd Branch Ferrule
G-04171-0	2nd Branch to Valve Section Ferrule
A315	Lyre Holder w/ Screw
A440	Lyre Holder Screw
G-05960-0	Bell – Engraved – 10"

OLD STYLE PARTS

All Parts Obsolete When Gone

G-0097-L	550 Trombone Tuning Slide
G-0098-L	300 Trombone Tuning Slide
G-0099-L	900 Eterna Trumpet Tuning Slide - Complete w/Waterkey (Pre-1970 Trpt)
G-0100-0	Hex Sided Trombone Waterkey
G-0101-0	Hex Sided Trumpet Waterkey
G-0102-0	Main Tuning Slide Waterkey (Elkhorn, 390 & 590 Trumpets (Pre-1970))
G-0103-0	3rd Slide Waterkey (Eterna Trumpet Pre-1970)
G-0104-S	Main Tuning Slide Waterkey (Eterna Trumpet Pre-1970)
G-0105-0	Hex Arm 3rd Slide Waterkey
G-0106-L	Hex Sided Finger Button (390 Trumpet) Lacquered
G-0109-L	Hex Sided, Inside Thread Top Cap (Models 390, 590 & Bugles) Lacquered
G-0109-N	Hex Sided Inside Thread Top Cap (Models 390, 590 & Bugles) Nickel
G-0110-L	Hex Sided, Outside Thread Top Cap (Bugles) Lacquered
G-0110-N	Hex Sided, Outside Thread Top Cap (Bugles) Nickel
G-0111-L	Hex Sided Bottom Cap (Models 200, 290, 590 & Bugles) Lacquered
G-0111-N	Hex Sided Bottom Cap (Models 200, 290, 590 & Bugles) Nickel
G-0092-L	Finger button – Metal – Lacquer (Model 190, 290 & Elkhorn Trumpets)
G-0092-S	Finger Button – Metal – Silverplate (190, 290 & Elkhorn Trumpets)
G-0113-0	Hex Sided Pull Knob
G-0112-S	Long Mouthpipe Ass'y – for early Severinsen Trpts (12 3/4")
G-0090-0	300 Series Cornet Bell w/o Shepherds Crook
G-0091-0	300 Series Cornet Mouthpipe

FRENCH HORN PARTS

SINGLE FRENCH HORN #20L

(ALSO FITS GETZEN MODEL 412)

All Parts Obsolete When Gone

MOUTHPIPE PARTS

D1501	Mouthpipe Tube (Bent)
A171	Mouthpiece Receiver

SLIDE ASSEMBLY COMPLETE

D1504	F Main Tuning Slide (1 Full Loop)
D1514	Eb Slide Complete (2 Full Loops)
D1505	#1 Valve Slide
D1506	#2 Valve Slide
D1507	#3 Valve Slide
D1539	2nd Slide Pull Ring

VALVE SECTION PARTS

D1512	Lyre Holder w/Screw
D1518	Stop Arm 1, 2 or 3
D1519	Finger Key - #1
D1520	Finger Key - #2
D1521	Finger Key - #3
D1523	Key Support Bar
D1524	Cork Stop Plate
D1526	Cork Stop Plate Screws
D1527	Lever to Stop Arm Screw
D1529	Finger Key Hinge Screw
D1532	Back Bearing
D1540	1, 2 or 3 Rotor

Valve caps are no longer available

BRACES

D1534	1st Branch to Bell Brace
D1536	#1 or #3 Slide
D1537	3rd Branch to Tuning
D1511	Thumb Ring

DOUBLE FRENCH HORN #28L

(ALSO FITS GETZEN MODEL 413)

All Parts Obsolete When Gone

MOUTHPIPE PARTS

D1561	Mouthpipe – Bent
A171	Mouthpiece Receiver

SLIDE ASSEMBLY COMPLETE

D1569	#1 Valve Slide (Bb)
D1570	#2 Valve Slide (F & Bb)
D1539	2nd Slide Pull Ring

VALVE SECTION PARTS

D1579	Stop Arm (#4 Valve)
D1580	Stop Arm (#1, 2 or 3 Valves)
D1581	#1 Finger Key
D1582	#2 Finger Key
D1583	#3 Finger Key
D1587	Cork Stop Plate (#1, 2 or 3)
D1526	Cork Stop Plate Screws
D1527	Lever to Stop Arm Screw
D1588	Hinge Screw (#4 Key)
D1589	Hinge Screw (#1-2-3 Keys)
D1590	Key Support Bar (#1-2-3 Keys)
D1591	Key Support Bar (#4 Key)
D1592	Spring (1-2-3 Keys)
D1593	Spring (4 Key)
D1594	Back Bearing (#4 Valve)
D1595	Back Bearing (#1-2-3 Valves)
D1541	1st, 2nd or 3rd Rotor

*Valve Caps are no longer available

BRACES

D1596	Bell Brace Large Flange
D1597	1st Branch to Bell
D1536	1-2-3 Valve Slide Braces

BELL

D1575	Bell
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BELL FRONT BARITONE MODEL 310

All other parts are obsolete.

G-0095-0	*Mouthpipe – goes into 1st valve
A151	Mouthpiece Receiver
G-0093-L	Top Cap
G-0094-L	Bottom Cap
G-0108-N	Finger Button – Hex Sided – Nickel

*There is an earlier model where the mouthpipe goes into the main tuning slide before going into the 1st valve. This can be made, if the old pipe is sent to Allied to duplicate. Charges will be determined based on time and material.

MODEL G-50 4 & 5 VALVE TUBA

(Discontinued production January 2002)

G-15412-0	Mouthpipe – for 4 Valve
G-15404-0	Mouthpipe – for 5 Valve
G-15008-0	Top Cap
G-15009-0	Bottom Cap
G-15010-0	Finger Button

GETZEN FLUGELHORNS

At one time Getzen flugelhorn mouthpiece receivers only accepted a short shank mouthpiece which was particular to only Getzen. Many players wish to use a different mouthpiece on their flugels and there are two things that can be done to remedy this situation:

1. If you have access to a lathe, the mouthpipe extension can be chucked up in the lathe chuck and a .344” drill bit placed into the drill chuck of the tail stock. Then the inside of the extension can be opened up to accept any mouthpiece a player may want to use.
2. You can order any of the current mouthpipe extensions as they will accept any flugelhorn mouthpiece.

AMADO WATERKEY

In 1970 Getzen changed all of their waterkeys from the traditional lever style to the Amado style. It has only been in the last 10 years that customers have requested the lever style waterkeys and those are now an optional item available on Getzen instruments.

THIRD SLIDE STOP

For many years Getzen used a plastic clip (G-04933-0) to retain the 3rd slide on their trumpets & cornets, in approximately 2005 this was changed to an end ring on the slide tube and then a nib was added to the underside of the finger ring (push rod). The nib on the finger ring catches on the end ring and prevents the slide from falling out.

CORNET PARTS

HOLTON C602 & C603 CORNETS (C602R is the same as the Yamaha YCR-2310)

MOUTHPIPE PARTS

H453	Mouthpipe Tube
A119	Finger Hook

SLIDE PARTS

H122	T.S. Crook – C602
H901	T.S. Crook – C603
H360	Crook for 1st, 2nd or 3rd
H365	Draw Knob
H369	Lyre Holder
A442	Lyre Holder Screw
A113	Push Rod (Finger Ring)

WATERKEY PARTS

H108	Waterkey
H201	Waterkey Saddle
H109	Waterkey Screw
A359	Waterkey Spring
H336	Waterkey Nipple
H367	Waterkey – 3rd Slide
H334	Waterkey Saddle – 3rd slide
H570	Waterkey Nipple

VALVE SECTION PARTS

H337	#1 Piston - .664"
H115	#2 Piston - .664"
H116	#3 Piston - .664"
H911	Valve Stem
H372	Finger Button
H375	Top Cap
H378	Bottom Cap
H113	Valve Guide – round
A376	Valve Spring

BRACES

H202	Receiver to Bell
H204	Valve to Bell
H205	Valve to Mouthpipe
H344	Tuning Slide to Valve
H345	Mouthpipe to 3rd – Complete

BELL

H396	Bell – C602 – straight crook
H902	Bell – C603 – shepherd crook
H904	Bell – C602R – straight – Japanese

HOLTON C605 COLLEGIATE CORNET (Parts not listed are obsolete)

MOUTHPIPE PARTS

H454	Mouthpiece Receiver
All other parts same as C602 cornet	

SLIDE PARTS

H122	Crook for Main TS
All other parts same as C605 cornet	

VALVE SECTION PARTS

H386	#1 Piston
H389	#2 Piston
H392	#3 Piston
H112	Valve Stem
All other parts same as C602 cornet	

BRACES

Same as C602 cornet

TRUMPET PARTS

HOLTON T101, T103 & LT101 MODELS

MOUTHPIPE PARTS

H950	Mouthpipe Tube
H951	Mouthpiece Receiver
H952	Finger Hook

SLIDE PARTS

H360	Crook – 1st & 3rd Slide
H954	Crook – 2nd Slide
H365	Draw Knob
H957	Waterkey Saddle
H959	Waterkey Spring
H960	Waterkey Nipple
H562	3rd Finger Ring
H979	3rd Slide Stop Screw (T102, T103)
H981	3rd Stop Rod Holder (T101 & LT101)
H982	3rd Stop Rod Guide (T101 & LT101)
H983	3rd Stop Rod (T101 & LT101) - 5x40
H984	3rd Stop Rod Nut (T101 & LT101)
H985	3rd Stop Rod Holder Screw (T101 & LT101)
H995	1st Slide Thumb Hook

VALVE SECTION PARTS

H574	#1 Piston
H575	#2 Piston
B100	Finger Button
H578	Bottom Cap
H581	Valve Guide – 2 sided
H579	Valve Stem
H970	Valve Spring

BRACES

H584	Receiver to Bell
H585	T.S. to Bell
H592	Valve to Bell
H593	Valve to Mouthpipe
H586	Bell to 1st Slide

H971	3rd Spacer
B127	Main T.S. – Complete
H973	T.S. to 3rd (T101, LT101, T102 & T103)

BELL

H903	Bell (T101, T102)
H587	Bell (T103)

LT302 & ST306 MF HORN TRUMPETS

MOUTHPIPE PARTS

H560	Mouthpipe Tube
H561	Mouthpiece Receiver
H562	Finger Ring – Mpipe & 3rd – solders on

SLIDE PARTS

H567	Crook for 1st, 2nd or 3rd
Other Slide Parts same as T101, T102, T103 & LT101 trumpets	

WATERKEY PARTS

H108	Waterkey – Main T.S.
H201	Waterkey Saddle – T.S.
H109	Waterkey Screw (Both)
H571	Waterkey Spring – internal
H336	Waterkey Nipple – T.S.
H367	Waterkey – 3rd Slide
H334	Waterkey Saddle – 3rd Slide
H570	Waterkey Nipple – 3rd Slide
H975	Waterkey Spring – 3rd Slide

VALVE SECTION PARTS

Same as T101, T102, T103 & LT101 trumpets

BRACES

H976	Main T.S. – Medallion – 3 pc.
Other Braces same as T101, T102, T103 & LT101 trumpets	

BELL

H587	Bell
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ST550 MF ADMIRAL TRUMPET

MOUTHPIPE PARTS

H991	Mouthpiece Receiver
H992	Finger Ring – Mpipe & 3rd – solder on

SLIDE PARTS

H954	Crook for 1st, 2nd or 3rd
H994	Crook – Main T.S.
H995	Thumb Hook
Waterkey and Slide Parts same as ST306 MF Horn	

VALVE SECTION PARTS

H996	Top Cap
B100	Finger Button
Other Valve Parts same as T602 trumpet	

BRACES

H998 Lyre Holder Brace
Other Braces same as T602 trumpet

T602 COLLEGIATE TRUMPET

(T602R is the same as Yamaha YTR-2320)

MOUTHPIPE PARTS

H630 Mouthpipe Tube
H631 Mouthpiece Receiver
H632 Finger Hook
H637 Mouthpipe Assembly – T602R only

SLIDE PARTS

H961 1st Slide Assembly
H962 2nd Slide Assembly
H963 3rd Slide Assembly
H964 Main Tuning Slide Assembly
H452 3rd Slide Push Rod (Finger Ring)
H369 Lyre Holder
A442 Lyre Holder Screw
H979 3rd Slide Stop Screw

WATERKEY PARTS

H108 Waterkey – T.S. – bottom mount
H201 Waterkey Saddle – T.S.
H459 Waterkey – 3rd
H334 Waterkey Saddle – 3rd
H336 Waterkey Nipple
H109 Waterkey Screw – Both
A359 Waterkey Spring

VALVE SECTION PARTS

H372 Finger Button
H375 Top Cap
H378 Bottom Cap
H112 Valve Stem
H113 Valve Guide – round
H639 #1 Piston - .666" } Single
H641 #3 Piston - .666" } Slot
H852 #2 Piston – 2 slot
H853 #3 Piston – 2 slot
H581 Valve guide – 2 sided

BRACES

H202 Mpipe to Bell
H643 T.S. to Bell
H205 Valve to Bell
H204 Valve to Mpipe
H646 T.S. Medallion Brace
H647 Medallion Brace Flange
H978 T.S. to 3rd
H979 3rd Stop Screw

BELL

H648 Bell

TROMBONE

TR150 MODEL TROMBONE WITH F ATTACHMENT

BELL SECTION PARTS

H500 TS Crook
H502 Gooseneck
H505 Handslide Receiver
H555 Bell Brace Rod
H556 Bell Brace Flange – Bell Side
H557 TS Brace Flange – Large
H558 TS Brace Flange – Small
H516 Bell – Engraved

F ATTACHMENT PARTS

Same as TR680 Trombone

INSIDE SLIDE PARTS

H551 Mouthpiece Receiver
H517 Mouthpipe – Venturi
H521 Inside Slide Tube - .574" stocking
H524 Brace – Complete
H526 Lower Corkstop (barrel)
H529 Upper Corkstop (barrel)
H508 Upper Corkstop Ferrule
H552 Bell Taper – Male
H532 Slide Lock Ring
H525 Rubber Corkstop Bumper

OUTSIDE SLIDE PARTS

H535 Outside Slide Tube
H537 Crook – brass
A140 Crook Guard
H519 Guard Rubber Bumper
A137 Slide Lock Lug
H545 Brace – Complete
H548 Waterkey Set (Key, Screw & spring)
H136 Waterkey Screw
A358 Waterkey Spring
H158 Waterkey Saddle
H189 Waterkey Nipple

COLLEGIATE TR602 MODEL TROMBONE

BELL SECTION PARTS

H150 TS Crook
H155 Gooseneck
H153 Handslide Receiver
H152 Bell Lock Nut
H137 Brace – Bell to Rec'r – Complete
H156 Balancer – Complete
H165 Balancer Screw
H154 Bell – Engraved

INSIDE SLIDE PARTS

H139 Mouthpiece Receiver
H128 Mouthpipe – Venturi
H127 Inside Slide Tube - .530" stocking
H130 Brace – Complete

H133 Upper Cork Barrel
H166 Upper Corkstop Ferrule
H138 Bell Taper – Male
H134 Slide Lock Ring

OUTSIDE SLIDE PARTS

H125 Outside Slide Tube
H121 OS Tube – Overpart
H110 Cork Ring
A137 Slide Lock Lug
A132 Brace – Complete – 3 pieces
H157 Crook – brass
H543 Crook Guard
H564 Crook – Ferrule
S617 Rubber Bumper
Waterkey same as TR150

COLLEGIATE TR680 MODEL F ATTACHMENT TROMBONE

BELL SECTION PARTS

H500 TS Crook
H502 Gooseneck
H504 Gooseneck – Short
H505 Handslide Receiver Assembly
H507 Bell Lock Nut
H511 Brace – Bell to Rec'r – 3 piece
H515 Bell – Engraved

F ATTACHMENT PARTS

H480 Lever
H484 Lever Saddle
H485 Lever Hinge Screw
H296 Lever String Screw
H222 Corkstop
H223 Corkstop Screw
H224 Swivel Arm (stop arm)
H220 Swivel Arm Screw
H491 Valve Cap
H1001 Lever Ball Socket - plastic
(will also work on model TR158)

INSIDE SLIDE PARTS

H521 Inside Slide Tube - .574" stocking
H553 Mouthpiece Receiver
H518 Mouthpipe – Venturi
H530 Upper Corkstop (barrel)
H554 Lower Corkstop Ferrule
H527 Lower Corkstop (barrel)
H524 Brace – 3 piece
H552 Bell Taper – Male
H550 Slide Lock Ring
H525 Rubber Corkstop Bumper

OUTSIDE SLIDE PARTS

H534 Outside Slide Tube
All other parts same as TR150

FRENCH HORN

COLLEGIATE H602 MODEL SINGLE (Parts Common To All)

MOUTHPIPE PARTS

H214	Mouthpipe Tube – nickel
H229	Mouthpipe Ferrule – Rec'r
H230	Mouthpipe Overpart
H231	Guard Molding
H672	Waterkey Set (Key, Spring & Screw)
H673	Waterkey Saddle
H674	Waterkey Screw
H675	Waterkey Nipple
H676	Waterkey Spring

SLIDE PARTS

H677	Tuning Slide Assembly
H678	1st Slide Assembly
H679	2nd Slide Assembly
H680	3rd Slide Assembly
H211	Tuning Slide Crook
H225	1st Slide Crook
H567	2nd Slide Crook
H227	3rd Slide Crook
A442	Lyre Holder Screw

BRANCHES

H781	1st Branch
H325	2nd Branch
H784	T.S. Return Branch – Short
H328	T.S. Return Branch – Long
H239	Finger Hook

VALVE SECTION PARTS

H224	Stop Arm – 1, 2 or 3
H213A	#1 Finger Key
H213B	#2 Finger Key
H213C	#3 Finger Key
H219	Valve Cap – 1, 2 or 3
H681	Rubber stop – 1 foot piece
H222	Corkstop Plate 1-2-3
H223	Corkstop Plate Screw
H220	Stop Arm Retaining Screw – 4 x 48
H223	Stop Arm String Screw – 4 x 48
H296	Lever String Screw – 2 x 56
H215	Hinge Screw 1-2-3 – 4 x 48
H216	Hinge Screw Nut
A189	Lever Spring – 1, 2 or 3
H314	Back Bearing – 1, 2 or 3
H217	Lever Bracket
H218	Lever Bracket Screw
A189	Lever Spring

BRACES

H315	1st Branch to Bell – large
H316	1st Branch to F Tuning & Bell to Mouthpipe (“butterfly”)
H206	Valve Slide 1-2-3
H319	Mouthpiece Receiver to Bell – Large

BELL

H333	Bell – Brass
A185	Bell Cap Molding

FARKAS BRASS, H178 & H278 MODEL DOUBLE FRENCH HORNS (Parts Common to All)

MOUTHPIPE PARTS

H214	Mouthpipe Tube Nickel
H229	Mouthpipe Ferrule
H298	Mouthpipe Overpart
H231	Guard Molding
H239	Finger Hook
Waterkey Parts same as Collegiate Single Fr Hn	

SLIDE PARTS

H299	Bb – Tuning Slide Crook
H300	Bb – Tuning Slide Crook Small
H301	F Switch Tuning Slide
H303	F Tuning Slide Assembly
H225	F – 1st Slide Crook
H567	F – 2nd Slide Crook
H227	F – 3rd Slide Crook
H567	Bb – 1st & 2nd Slide Crook
H300	Bb – 3rd Slide Crook
A442	Lyre Holder Screw

BRANCHES

H495	1st Branch
H307	3rd Branch Gooseneck
H308	5th Branch to 3rd Valve F – Long
H309	Connecting-3rd Branch F – Short

VALVE SECTION PARTS

H224	Stop Arm – 1, 2, 3 or 4
H288	#1 Finger Key
H289	#2 Finger Key
H290	#3 Finger Key
H291	#4 Finger Key
H292	Valve Cap – 1, 2, 3 or 4
H222	Corkstop Plate – 1, 2, 3 or 4
H681	Rubber Stop – 1 foot piece
H310	Hinge Screw – #4 Key
A189	Lever Spring – 1, 2 or 3
H313	Lever Spring – #4
H314	Back Bearing
Other Valve Parts same as Collegiate Single Fr Hn	

BRACES

Same as Collegiate Single Fr Hn

BELL

H321	Bell – Brass
H244	Bell Hand Guard Molding

FARKAS DOUBLE FRENCH HORNS SOLID NICKEL H177 (Standard Bore) & H179 (Large Bore) MODEL (Parts Common to Both)

MOUTHPIPE PARTS

H214	Mouthpipe Tube – nickel Mod. H177
H221	Mouthpipe Tube – nickel Mod. H179
H229	Mouthpipe Ferrule – Rec'r
H230	Mouthpipe Overpart
H231	Guard Molding
H239	Finger Hook
Waterkey Parts same as Collegiate Single Fr Hn	

SLIDE PARTS

H232	Bb – Tuning Slide Crook – Large
H233	Bb – Tuning Slide Assembly – Small
H238	F Tuning Slide Assembly
H921	F Aux. Tuning Slide Assembly w/ medallion
H235	F – 1st Slide Crook
H236	F – 2nd Slide Crook
H237	F – 3rd Slide Crook
H236	Bb – 1st or 2nd Slide Crook
H234	Bb – 3rd Slide Crook – Large

BRANCH PARTS

H247	1st Branch – H179
H246	1st Branch – H177
H920	Bow – Valve & Slide
H295	3rd Branch Gooseneck
H286	5th Branch to 3rd Valve
H268	Connection – 3rd Branch F – Short

VALVE SECTION PARTS

Same as Farkas Brass Double Fr Hn

BRACES

Same as Collegiate Single Fr Hn

BELL

H320	Bell – Model H177 nickel
H285	Bell – Model H179 nickel
H244	Bell Cap Molding

H180, H181, H280 & H281 FRENCH HORNS

H228	Mouthpipe Tube – only – brass
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H378 MODEL DOUBLE FRENCH HORN (Parts Common to All)

MOUTHPIPE PARTS

H214	Mouthpipe – nickel
H229	Mouthpipe Ferrule – Rec'r
H230	Mouthpipe Overpart
H231	Guard Molding

SLIDE PARTS

H211	Tuning Slide Crook (2 3/8" between)
H302	Tuning Slide Small (1 3/8" between)
H225	F – 1st Slide Crook
H567	F – 2nd Slide Crook
H227	F – 3rd Slide Crook
H567	Bb – 1st & 2nd Slide Crook
H304	Bb – 3rd Slide Crook
H303	F Tuning Slide Assembly
A442	Lyre Holder Screw

BRANCH PARTS

H308	3rd Branch – Long
H327	5th Branch to 3rd Valve

VALVE SECTION PARTS

H224	Stop Arm – 1, 2, 3 or 4
H219	Valve Cap – 1, 2, 3 or 4
H310	Hinge Screw – #4 Key
H313	Spring – #4 Key
Other Valve Parts same as Collegiate Single Fr Hn	

BRACES

H315	1st Branch to Bell – Large
H316	1st Branch to F Tuning or Bell to Mouthpipe – Small ("Butterfly")
H206	Slide Spacer – 1, 2 or 3
H319	Mouthpipe to Bell – Large – no medallion

BELL

H333	Bell – Brass
H244	Bell Cap Molding

OLD STYLE PARTS (All Parts Are Obsolete When Gone)

REVELATION 28, 29, STRATODYNE 27, C100 MODEL CORNETS

H350	Mouthpipe – 3 3/8" I.D.
H351	Mouthpipe – Narrow
H354	Waterkey Saddle – Narrow
H356	Waterkey Nipple
H361	Waterkey Saddle – Wide
H368	Lyre Holder
H391	Brace – Valve to Mouthpipe
H394	Brace – 1st & 3rd Slide

H395	#2 Piston - .665"
H397	#3 Piston - .665"
H400	Brace Flange – Tuning Slide to Valve
H470	Bell

GALAXY & C401N MODEL CORNETS

H374	Top Cap
H377	Bottom Cap
H398	Brace – 1st or 3rd Slide
H399	Brace – Tuning to Valve
H422	Mouthpipe
H448	Crook for 1st, 2nd, or 3rd Slides

AL HIRT & SC501 MODEL CORNETS

H107	3rd Slide Waterkey
H114	#1 Piston - .662"
H120	Mouthpipe – 3 3/8" I.D.
H123	Bell

REVELATION 45, B47, 48, 51 & STRATODYNE 49 TRUMPETS

H409	Draw Knob
H429	Brace – 1st or 3rd
H430	Brace Flange – Tuning Slide to 3rd
H435	#1 Piston - .660"
H437	#3 Piston - .660"

T100, T102, T200, T300 & 747 TRUMPETS

H411	Waterkey – Tuning Slide
H412	Waterkey Saddle
H413	Waterkey Screw
H424	#1 Piston - .660"
H425	#2 Piston - .660"
H589	Stop Lug – Drilled

SUPER COLLEGIATE 608, T500 & GALAXY T401 TRUMPETS

H207	Brace – Tuning to 3rd
H422	#2 Piston - .660"
H423	#3 Piston - .660"

REVELATION B65, 67, TR301 & STRATODYNE TROMBONES

H129	Venturi
H144	Upper Corkstop (Barrel)
H145	Slide Lock Ring
H199	Lower Corkstop (Barrel) W/ Taper
H475	Bell
H509	Brace – Bell to Receiver
A140	Crook Guard
H544	Handslide Brace Complete – 3 pieces

SUPER COLLEGIATE B66, 612, 614 & GALAXY 401N TROMBONES

H147	Crook – Outside Slide
H514	Bell
H528	Upper Corkstop (Barrel)
H531	Slide Lock Ring
H533	Bell Taper – Male
H547	Handslide Brace Complete
H549	Upper Cork Ferrule

COLLEGIATE 533 & H600 FRENCH HORNS

H226	Mouthpipe Tube – Model H600
H683	Bow Tuning Slide Return
H685	#1 Finger Key
H686	#2 Finger Key
H687	#3 Finger Key
H688	Valve Cap 1, 2, & 3
H312	Mouthpipe Ferrule – Receiver

MISCELLANEOUS HOLTON PARTS

H546	Handslide Brace Ass'y – Trombone TR680
H583	Lyre Holder – Trumpet ST302

LEBLANC (PARIS) – BRASSWINDS

L102	Top Cap – Trpt & Cornet – inner thread
L103	Bottom Cap – Trpt & Cornet – outer thread
L137	Waterkey – Cornet
L107	Waterkey Saddle – Cornet
L135	Finger Hook – Cornet
L136	Tuning Slide Crook – Cornet

LEBLANC – SAXOPHONE (PARIS)

L177	Old Style Thumb Hook Screw
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BARITONE HORN

COLLEGIATE BELL FRONT B601 MODEL No longer made – parts will be obsolete when gone

MOUTHPIPE PARTS

H178	Mouthpipe Tube
A151	Mouthpipe Receiver

SLIDE PARTS & MISC.

H186	Tuning Slide Waterkey Assembly
A389	Waterkey Spring
A110	Pull Knob
A152	Thumb Ring

H600	Bell Stem
H601	Bottom Bow
H179	Inside Slide Tubing – 30"
H180	Outside Slide Tubing – 30"
H163	Brace Rod
H175	Crook #3
H620	Bell Screw
H621	Bell Screw Flange

VALVE SECTION PARTS

H174	Bottom Cap
A380	Piston Spring
A325	Finger Button

BRACES

A157	Mouthpipe Brace
A153	Bell Screw & Flange
H602	Mouthpipe to Bell

REVELATION 185 & B311 MODELS

(No longer made - parts will be obsolete when gone)

MOUTHPIPE & BRACE PARTS

Same as B601 Baritone

SLIDE PARTS

H192	Tuning Slide Waterkey
Other parts same as B601 Baritone	

VALVE SECTION PARTS

H660	Bottom Cap
H661	Top Cap
Other parts same as B601 Baritone	

SOUSAPHONE PARTS

Parts will be obsolete when gone

REVELATION BBb & 300 MODELS

MOUTHPIPE PARTS

H243	Tuning Bits – new style
H243-5	Tuning Bits – silver
H242	Upper Mouthpipe – new style
A445	Tension Screw

SLIDE PARTS

H840	#1 Crook or Upper 3rd
A220	Thumb Ring
A110	Pull Knob
H192	3rd & T.S. Waterkey
H802	Inside T.S. Small & Valve Slides
H805	Outside T.S. Small & Valve Slides

VALVE SECTION PARTS

A383	Piston Spring
A329	Finger Button
H261	#1 Piston – Model 122
H190	Valve Guide

BRACES

H160	Brace Tube Lower Mouthpipe
H161	Valve Sec. To Body Brace Set – Sousaphone 300
H811	Lower Mouthpipe Brace Flange – small
H813	Branch Brace – 1, 2, 3 or 4
H814	T.S. Brace Socket Flange
H815	T.S. Brace Rod

BELL PARTS

H266	Bell Screw
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COLLEGIATE BBb & 311 MODELS

MOUTHPIPE PARTS

Same as Revelation

SLIDE PARTS & MISC.

H186	3rd or T.S. Waterkey Assembly
H188	Waterkey Saddle
A359	Waterkey Spring
H279	Bottom Cap

BRACE PARTS

H820	Brace – Body Bow to 3rd
H821	Mouthpipe Brace Flange (Small)
H822	Mouthpipe Brace Flange (Large)
H814	Brace Flange – Main Tuning Slide
H830	Elbow Brace Emblem
H824	Brace Flange – Main Tuning Slide

BB345, BB350 BELL FRONT & BB340, BB355 Upright Tubas

H728	Gooseneck
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Holton Euphoniums and Tubas that end with an “R” in the model number are Yamaha made instruments. Please refer to the Yamaha section for parts.

Instructions for Inserting Saw Blades

1. Adjust frame to slightly larger than blade size and tighten.
2. Place saw against bench with handle toward you.
3. Insert blade at wing screw nearest the bench and tighten. (TEETH POINTING TOWARD HANDLE).
4. Press forward against handle, producing a slight bow in frame.
5. Insert blade and tighten wing screw at handle A. A correctly tightened blade will “sing” when plucked.

Typical piercing saw blade characteristics

Size	Thickness	Width	Teeth per inch
8/0	.0063"	.0126"	89
7/0	.0067"	.0130"	84
6/0	.0070"	.0140"	76
5/0	.0080"	.0157"	71
4/0	.0086"	.0175"	66
3/0	.0095"	.0190"	61
2/0	.0103"	.0204"	56
1/0	.0110"	.0220"	53.5
1	.0120"	.0240"	51
1-1/2	.0125"	.0250"	47
2	.0134"	.0276"	43
3	.0140"	.0290"	40.5
4	.0150"	.0307"	38
5	.0158"	.0331"	35.5
6	.0173"	.0370"	33
7	.0189"	.0400"	30.5
8	.0197"	.0440"	28
10	.0215"	.0510"	23
12	.0236"	.0650"	19
14	.0236"	.0690"	18"

Maintaining The Axial Flow Valve

Proper lubrication is required to maintain the Axial Flow Valve.

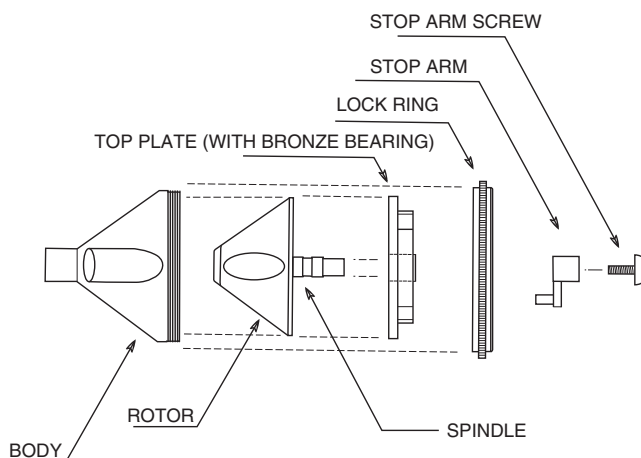
Lubrication should be done prior to playing. This is accomplished by simply removing the main tuning slide, and squirting rotor oil into the slide tube, while working the valve. Do this when the hand slide is off the instrument. It is important to use a high quality rotor oil. We recommend Edwards Rotor Oil. This oil is very thin. Other oils may be too thick, causing inferior valve action.

The spindle also needs lubrication. Oiling the spindle does not require disassembly of the instrument either. This lubrication of the spindle is done less often, perhaps once or twice a month. Place one or two drops of Edwards Spindle Oil directly on the spindle, between the stop arm and the bronze bearing in the top plate. Excessive oiling of the spindle will slow the action of the valve. Once a month, it is advisable to place a drop of spindle oil on the lever spring, and on the brass bearings in the linkage.

Sometimes the valve may need to be dis-assembled. (Maybe once or twice a year). Do this work in a clean, soft, lint free area. Refer to the diagram, and follow these steps:

1. Remove the hand slide and both tuning slides.
2. Remove the screw holding the linkage to the lever.
3. Remove the stop arm screw and the stop arm, with the Allen wrench that was provided with your instrument.
4. Separate the valve section from the bell. There are two brace nuts and one bell screw holding these together.
5. Loosen the nut on the brace between the F tuning slide tubes.
6. Unscrew the lock ring, and the valve will come apart.
7. Clean the rotor and inner valve body with warm soapy water, rinse thoroughly and dry with a soft, lint free cloth (dish towel works well).
(CARE SHOULD BE TAKEN, SO THE ROTOR DOESN'T FILL UP WITH WATER).
DO NOT SUBMERSE THE ROTOR.
8. Reassemble and oil all rotor surfaces with a liberal amount of Edwards Rotor Oil. Set the rotor into the body. Put on the top plate, and tighten the lock ring. The top plate has a pin, that matches with a slot in the body, so it cannot be put back together incorrectly. Now oil the spindle.
9. Follow steps 1 through 6 in reverse to complete your assembly.
10. Clean the tuning slides, and apply a thin film of lanolin before inserting.

By following these simple procedures, as recommended, you will ensure the long and trouble free operations of your axial flow valve. Thank You!



AXIAL FLOW VALVE DIAGRAM

JCR-520M Bb CORNET

MOUTHPIPE PARTS

JP12-M202	Mouthpiece Receiver
JP12-M301	Mouthpipe Tube – prior to Serial #211761
JP12-M303	Mouthpipe Tube
JP12-F101	Finger Hook

SLIDE PARTS

JP12-X022	1st Slide Assembly
JP12-X041	2nd Slide Assembly
JP12-X061	3rd Slide Assembly
JP12-X001	Main T. S. Assembly – prior to Serial #211761
JP12-X003	Tuning Slide Assembly
JP12-G601	Slide Stop Screw
Other slide parts same as 600 Trumpets	

VALVE SECTION PARTS

Prior to Serial #211761

JP11-P007	#1 Piston
JP11-P008	#2 Piston
JP11-P009	#3 Piston
JP12-P301	Valve Stem

After Serial #211761

JP12-P001	#1 Piston
JP12-P002	#2 Piston
JP12-P003	#3 Piston
JP12-P304	Valve Stem

All other valve section parts same as 600 Trumpet.

Please note serial # descriptions

Cornet Serial #211761 same parts as Trumpet Serial #602700

BRACES

JP12-R001	Valve to Mouthpipe Brace - prior to Serial #211761
JP12-R002	Valve to Bell Brace – prior to Serial #211761
JP12-R010	Valve to Mouthpipe Brace
JP12-R011	Valve to Bell Brace
JP12-R201	Mouthpiece Receiver to Bell Brace
JP12-R005	T.S. to 2nd Valve Brace – upper
JP12-R003	T.S. to 2nd Valve Brace – lower
JP12-R007	Mouthpipe to 3rd Valve Brace w/Flange
JP12-R402	Mouthpipe to 3rd Valve Brace Rod
JP12-R012	1st Slide to Bell Brace

BELL

JP12-B001	Bell – prior to Serial #211761
JP12-B003	Bell

JTR-600N, 600M & 606MR Bb TRUMPET

MOUTHPIPE PARTS

JP11-M303	Mouthpipe Tube – 600
JP11-M306	Mouthpipe Tube – 606
JP11-M203	Mouthpiece Receiver
JP11-F101	Finger Hook

SLIDE PARTS

JP11-X026	1st Slide Assembly – 600M & 606
JP11-X029	1st Slide Assembly – 600N

JP11-X042	2nd Slide Assembly – All
JP11-X063	3rd Slide Assembly – 600M & 606
JP11-X033	3rd Slide Assembly – 600N
JP11-X004	Tuning Slide Assembly – 600M & 606
JP11-X015	Tuning Slide Assembly – 600N
JP11-F003	1st Slide Thumb Hook
A1659	Rubber Slide Bumper
A114	3rd Slide Finger Ring – prior to Serial #900001
A317	Lyre Holder – prior to Serial #900001
JP11-F002	3rd Slide Finger Ring
JP11-H007	Lyre Holder
JP11-H203	Lyre Holder Screw
JP11-A401	Slide Stop Screw – prior to Serial #602700
JP11-G602	Slide Stop Screw
JP11-A201	Lock Nut – prior to Serial #602700
JP11-A202	End Nut – prior to Serial #602700
JP11-A302	Slide Stop Screw Rubber Ring

WATERKEY PARTS – PRIOR TO SERIAL #305141

JP11-K702	Water Key Body – 600M & 600N	“Amado” style
JP11-K103	Water Key Piston – 600M & 600N	
JP11-K502	Waterkey Spring – 600M & 600N	
JP11-K403	Waterkey Screw – 600M & 600N	

CONVENTIONAL STYLE WATERKEYS FOR 600N

JP11-K104	Tuning Slide Waterkey
JP11-K105	3rd Slide Waterkey
JP11-K301	Tuning Waterkey Saddle
JP11-K302	3rd Slide Waterkey Saddle
JP11-K601	Waterkey Rubber
JP11-K701	Waterkey Nipple
JP11-K401	Waterkey Screw
JP11-K501	Waterkey Spring

VALVE SECTION PARTS

JP11-P007	#1 Piston – 600M – b/4 Serial #602700 - 1 slot
JP11-P008	#2 Piston – 600M – b/4 Serial #602700 - 1 slot
JP11-P009	#3 Piston – 600M – b/4 Serial #602700 - 1 slot
JP11-P016	#1 Piston – 600M & 606 – Internal spring & guide
JP11-P017	#2 Piston – 600M & 606 – Internal spring & guide
JP11-P018	#3 Piston – 600M & 606 – Internal spring & guide
JP11-P025	#1 Piston – 600N - 2 slot
JP11-P026	#2 Piston – 600N - 2 slot
JP11-P027	#3 Piston – 600N - 2 slot
JP11-V061	Top Cap – prior to Serial #800001
JP11-V062	Top Cap
JP11-V407	Bottom Cap – flat bottom
JP11-P042	Finger Button w/pearl
JP11-P201	Finger Pearl only
JP11-P040	Finger Button – all metal, nickel
JP11-P302	Valve Stem – prior to Serial #602700
JP11-P801	Valve Guide – prior to Serial #602700 - round
JP11-P601	Valve Spring – prior to Serial #602700
JP11-P304	Valve Stem
JP11-P803	Valve Guide – Internal - 2 sided
JP11-P604	Valve Spring – Internal
JP11-V204	Top Cap Felt
JP11-P503	Valve Stem Felt

BRACES

JP11-R006	T.S. to 3rd Slide Brace – threaded
Other braces same as JTR-1000 Trumpet	

BELL

JP11-B001	Bell – JTR-600
JP11-B003	Bell – JTR-606MR – Rose Brass

JTR-1000, 1002, 1010 & 1200 Bb TRUMPET

Parts listed are silver plated

MOUTHPIPE PARTS

JTR-1000, 1002 & 1010

JP11-M203S	Mouthpiece Receiver
JP11-M305S	Mouthpipe Tube
JP11-F103S	Finger Hook

JTR-1200

JP11-M204S	Mouthpiece Receiver
JP11-M309S	Mouthpipe Tube
JP11-F104S	Finger Hook

SLIDE PARTS

JTR-1000, 1002 & 1010

JP11-X028S	1st Slide Assembly
JP11-X043S	2nd Slide Assembly
JP11-X065S	3rd Slide Assembly
JP11-X005S	Tuning Slide Assembly
JP11-G602S	Slide Stop Screw

JTR-1200

JP11-X021S	1st Slide Assembly
JP11-X044S	2nd Slide Assembly
JP11-X067S	3rd Slide Assembly
JP11-X008S	Tuning Slide Assembly
JP11-G603S	Slide Stop Screw – 1200S
JP11-F004S	1st Slide Thumb Hook
JP11-F005S	3rd Slide Finger Ring - Solder On
JP11-U201S	Slide Pull Knob
JP11-K702S	Waterkey Body
Other slide parts same as 600 series Trumpet	

VALVE SECTION PARTS

JTR-1000, 1002 & 1010

JP11-P019	#1 Piston
JP11-P020	#2 Piston
JP11-P021	#3 Piston

JTR-1200

JP11-P028	#1 Piston
JP11-P029	#2 Piston
JP11-P030	#3 Piston
JP11-V063S	Top Cap – after Serial #800001
JP11-V408S	Bottom Cap – after Serial #800001
JP11-P043S	Finger Button w/pearl
JP11-P107S	Finger Button – all metal
JP11-P304	Valve Stem
JP11-P803	Valve Guide
JP11-P604	Valve Spring
JP11-P503	Valve Stem Felt
JP11-V204	Top Cap Felt

BRACES

JTR-1000, 1002 & 1010

JP11-R202S	Mouthpiece Receiver to Bell Brace
JP11-R201S	T.S. Tube to Bell Brace
JP11-R007S	Bell to 1st Slide Brace
JP11-R005S	Bell to 1st Slide Brace – JTR-1010 (prior to Serial #802470)

JP11-R006S	T.S. to 3rd Slide Brace – threaded
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JTR-1200

JP11-R208S	Mouthpiece Receiver to Bell Brace
JP11-R207S	T.S. Tube to Bell Brace
JP11-R011S	T.S. to 3rd Slide Brace – threaded
JP11-R003S	Bell to 1st Slide Brace

JP11-R002S	Valve to Bell Brace – any model
JP11-R001S	Valve to Mouthpipe Brace – any model

BELL

JP11-B011S	Bell – JTR-1000
JP11-B014S	Bell – JTR-1002
JP11-B405S	Bell – JTR-1200

JFH-746 Bb FLUGEL HORN

MOUTHPIPE PARTS

JP14-M007	Mouthpipe Assembly
JP14-M005	Mouthpipe Receiver Assembly
JP14-M502	Mouthpipe Receiver Screw
JP31-F101	Finger Hook

SLIDE PARTS

JP14-X021	1st Slide Assembly
JP14-X041	2nd Slide Assembly
JP14-X061	3rd Slide Assembly
JP11-F003	1st Slide Thumb Hook
JP14-F002	3rd Slide Finger Ring
JP11-U201	Slide Pull Knob
JP11-H007	Lyre Holder
JP11-H203	Lyre Holder Screw
Waterkey parts same as 600 Trumpet	

VALVE SECTION PARTS

JP14-P010	#1 Piston
JP14-P011	#2 Piston
JP14-P012	#3 Piston
JP11-V062	Top Cap – after Serial #800001
JP11-V407	Bottom Cap – after Serial #800001
Other valve section parts same as 1000 Trumpet	

BRACES

JP14-R002	Bell to Mouthpiece Rec'r Brace
JP14-R003	1st Valve to Mouthpiece Rec'r Brace
JP14-R001	Bell to Valve Brace
JP14-R005	Bell to Branch Brace Socket – upper
JP32-R007	Bell to Branch Brace Socket – lower
JP34-R406	Bell to Branch Brace Rod
JP14-R004	Branch to 3rd Slide Brace

BODY PARTS

JP14-B003	Bell
JP14-E104	Branch

JSL-432 Bb TENOR TROMBONE

INSIDE SLIDE PARTS

JP21-S103	Inside Slide Tube – Mpc. side .535" stocking
JP21-S104	Inside Slide Tube – Bell side .535" stocking
JP21-Y002	Cork Barrel – Mouthpiece side
JP21-Y001	Cork Barrel – Bell side
JP21-M201	Mouthpiece Receiver
JP21-M301	Mouthpipe – Venturi
JP21-Y003	Slide Lock Ring w/hook
JP21-N503	Bell Shank – Male (Taper)
JP21-R012	Brace Flange
JP21-T359	Brace Rod

OUTSIDE SLIDE PARTS

JP21-S206	Outside Slide Tube – Nickel
JP21-R019	Outside Slide Sleeve w/brace socket
JP21-T341	Brace Tube
JP21-Y603	Slide Lock Lug
JP21-U101	Handslide Crook
JP21-T546	Crook Ferrule
JP21-R007	Bow Guard
JP21-R402	Rubber Bumper
JP21-K103	Waterkey
JP21-K301	Waterkey Saddle
JP21-K401	Waterkey Screw
JP21-K501	Waterkey Spring
JP11-K701	Waterkey Nipple

BELL SECTION PARTS

JP21-B001	Bell
JP21-N101	Gooseneck
JP21-N001	Handslide Receiver Assembly
JP21-R011	Bell Brace Socket – Front
JP21-T357	Bell Brace Rod – Front
JP21-T358	Bell Brace Socket – Rear
JP21-R023	Gooseneck Ferrule w/brace socket
JP21-R022	Bell Ferrule w/brace socket
JP21-X002	Tuning Slide Assembly w/balancer
JP21-Z101	Balancer with Screw
JP21-Z306	Balancer Medallion

JSL-532 Bb TENOR TROMBONE (MEDIUM LARGE BORE)

INSIDE SLIDE PARTS

JP21-S112	Inside Slide Tube – Mpc side .555" stocking
JP21-S111	Inside Slide Tube – Bell side .555" stocking
JP21-Y105	Cork Barrel – Mouthpiece side
JP21-Y205	Cork Barrel – Bell side
JP21-M305	Mouthpipe – Venturi
JP21-Y007	Slide Lock Ring w/hook
JP21-Y006	Brace Socket with Mouthpiece Receiver
JP21-R029	Brace Socket with Bell Receiver
JP21-T360	Brace Tube

OUTSIDE SLIDE PARTS

JP21-S208	Outside Slide Tube
JP21-R021-20	Outside Slide Sleeve w/brace socket
JP21-T361	Brace Tube
JP21-Y603	Slide Lock Lug
JP21-U103	Handslide Crook
JP21-G905	Crook Ferrule
JP21-R008	Bow Guard
JP21-R402	Rubber Bumper
JP21-K104	Waterkey
JP21-K002	Waterkey Saddle
JP21-K402	Waterkey Screw
JP21-K501	Waterkey Spring
JP11-K701	Waterkey Nipple

BELL SECTION PARTS

JP21-B007	Bell
JP21-N102	Gooseneck
JP21-N006	Handslide Receiver Assembly
JP21-R013	Bell Brace Socket – Front
JP21-T355	Bell Brace Tube – Front
JP21-T354	Bell Brace Tube – Rear
JP21-R026	Gooseneck Ferrule w/brace socket
JP21-R025	Gooseneck Ferrule w/brace socket
JP21-X008	Tuning Slide Assembly w/balancer
JP21-Z101	Balancer with Screws
JP21-Z306	Balancer Medallion

JSL-536 Bb/F TENOR TROMBONE

INSIDE SLIDE PARTS

Same as 532L Trombone

OUTSIDE SLIDE PARTS

Same as 532L Trombone

ROTOR VALVE PARTS

JP21-PR01	F Rotor Valve
JP21-V051	Back Bearing
JP21-V402	Valve Cap
JP21-V401	Valve Cap – prior to Serial #80001
JP36-C204	Cork Stop Plate
JP21-C603	Cork Stop Plate Screws
JP21-C005	Stop Arm
JP21-C002	Stop Arm – prior to Serial #20001
JP21-C602	Stop Arm Retaining Screw
JP21-C001	Lever
JP21-C003	Lever Saddle
JP21-C606	Lever Hinge Rod
JP21-C607	Lever Hinge Rod Nut
JP21-C701	Lever Spring
JP21-C102	Lever Shaft (connecting rod)
JP21-C611	Lever Shaft Nut (connecting rod nut)
JP21-C608	Lever Joint (black plastic)
JP21-C609	Lever Joint Screw (tightening screw)

BELL SECTION PARTS

JP21-B007	Bell
JP21-N103	Gooseneck

JUPITER

JP21-N002	Handslide Receiver Assembly
JP21-R006	Bell Brace Socket – Front
JP21-X005	Tuning Slide Assembly
JP21-X009	“F” Slide Assembly
JP21-U104	“F” Crook-Small
JP21-N301	“F” Connecting “S” Tube
JP21-L101	“F” Connecting “L” Tube
JP21-R015	“F” T.S. to “F” Crook Brace
JP21-R004	“F” Tuning Slide Brace
JP21-R016	T.S. to “F” Slide Brace
JP21-R005	“F” Crook to Bell Ferrule Brace

JSL-636 & JSL-636R Bb/F TROMBONE (LARGE BORE TENOR)

INSIDE SLIDE PARTS

JP21-S110	Inside Slide Tube – Mpc. side .580" stocking
JP21-S109	Inside Slide Tube – Bell side .580" stocking
JP21-Y105	Cork Barrel – Mouthpiece side
JP21-Y205	Cork Barrel – Bell side
JP21-M304	Mouthpipe – Venturi
JP21-Y007	Slide Lock Ring w/hook
JP21-Y009	Brace Socket with Mouthpiece Receiver
JP21-R030	Brace Socket with Bell Receiver
JP21-T357	Brace Tube

OUTSIDE SLIDE PARTS

JP21-S207	Outside Slide Tube – Brass
JP21-S001-02	Outside Slide Sleeve w/brace socket (Sold as a pair – mpc. & bell sides)

JP21-T362	Brace Tube
JP21-Y603	Slide Lock Lug
JP21-U105	Handslide Crook
JP21-G901	Crook Ferrule
JP21-R007	Bow Guard
JP21-R402	Rubber Bumper
Waterkey parts same as 532L Trombone	

ROTOR VALVE PARTS

Same as 536L Trombone

BELL SECTION PARTS

JP21-B004	Bell – 636L – Gold Brass
JP21-B005	Bell – 636RL – Rose Brass
JP21-X006	Large “F” Tuning Slide Assembly
JP21-X007	Small “F” Tuning Slide Assembly
JP21-R003	Lg. “F” T.S. to Sm. “F” T.S. Tube Brace – lower
JP21-R004	Lg. “F” T.S. to Sm. “F” T.S. Tube Brace – upper
JP21-R002	Lg. “F” T.S. to Gooseneck Brace
JP21-R001	Lg. “F” T.S. to Bell Brace
Other bell parts same as 536L Trombone	

JHR-852L DOUBLE FRENCH HORN (Most parts will fit JHR-854L Detachable Bell Model)

MOUTHPIPE PARTS

JP36-M301	Mouthpipe Tube
JP36-M201	Mouthpiece Receiver

JP36-M401	Mouthpipe Sleeve
JP36-F101	Finger Hook

SLIDE PARTS

JP36-X021	Bb 1st Slide Assembly
JP36-X041	Bb 2nd Slide Assembly
JP36-X061	Bb 3rd Slide Assembly
JP36-X022	F 1st Slide Assembly
JP36-X042	F 2nd Slide Assembly
JP36-X062	F 3rd Slide Assembly
JP36-X001	Tuning Slide Assembly
JP36-F002	Bb 1st Slide Pull Ring w/flange
JP36-F001	Bb 2nd Slide Pull Ring w/flange

VALVE SECTION PARTS

JP36-C004	#1 Lever
JP36-C005	#2 Lever
JP36-C006	#3 Lever
JP36-C008	#4 Lever
JP36-C007	#1-2-3 Lever Saddle
JP36-C603	#1-2-3 Lever Shaft
JP21-C617	Lever Shaft Nut
JP21-C701	Lever Spring
JP21-C608	Lever Joint
JP21-C609	Lever Joint Screw
JP36-C107	Lever Connecting Rod
JP21-C607	Lever Nut
JP36-V402	#1-2-3 Valve Cap
JP36-V502	#1-2-3 Back Bearing
JP36-C204	#1-2-3 Cork Stop Plate
JP36-C604	Cork Plate Screw
JP36-C003	#1-2-3 Stop Arm – prior to Serial #20001
JP36-C012	#1-2 Stop Arm
JP36-C013	#3 Stop Arm
JP36-C602	Stop Arm Retaining Screw
JP36-C009	#4 Lever Saddle
JP21-C606	#4 Lever Shaft
JP36-C106	#4 Lever Connecting Rod
JP36-V401	#4 Valve Cap
JP36-V501	#4 Back Bearing
JP36-C002	#4 Cork Stop Plate
JP36-C010	#4 Stop Arm – prior to Serial #20001
JP36-C011	#4 Stop Arm

BRACES

JP36-R001	Main Bell Brace
JP36-R002	Bell to 1st Branch Brace – Small
JP36-R013	Bell to Mouthpipe to Bell Brace
JP36-R005	Bell to Mouthpipe to Bell Brace – Receiver side
JP36-R012	1st Branch to T.S. Brace Socket
JP12-R401	1st Branch to T.S. Brace Rod
JP36-R010	Bb T.S. to Bb 1st Slide Brace
JP36-R011	Bb T.S. to F Tube Ferrule Brace
JP36-R008	1st to 2nd & 2nd to 3rd Slide Brace
JP36-R007	Bb T.S. to F T.S. Brace
JP36-R101	Mouthpiece Receiver to Bell Brace

BODY PARTS

JP36-B001	Bell
JP36-W109	Bell Guard

JP36-E404	1st Branch
JP36-G101	Bell Ferrule

JMP-450L F MARCHING MELLOPHONE

MOUTHPIPE PARTS

JP31-M302	Mouthpipe
JP31-M202	Mouthpiece Receiver – French Horn
JP31-M203	Mouthpiece Receiver – Trumpet
JP12-F101	Finger Hook

SLIDE PARTS

JP31-X022	1st Slide Assembly
JP31-X042	2nd Slide Assembly
JP31-X062	3rd Slide Assembly
JP31-X003	Tuning Slide Assembly
Waterkey parts same as 600 Trumpet	

VALVE SECTION PARTS

JP31-P007	#1 Piston - .647"
JP31-P008	#2 Piston - .647"
JP31-P009	#3 Piston - .647"
Other valve section parts same as 600 Trumpet	

BRACES

JP31-R002	Bell to 2nd Valve Brace – upper
JP31-R004	Bell to 2nd Valve Brace Socket – lower
JP31-R006	Bell to 2nd Valve Brace Flange – lower
JP31-R003	Bell to 1st Branch Brace
JP31-R007	2nd Branch to 1st Slide Brace
JP11-R201	Mouthpiece Receiver to Bell Brace
JP31-R008	Mouthpipe to 2nd Valve Brace
JP12-R403	Mouthpipe to 3rd Slide Brace Tube
JP32-R006	Mouthpipe to 3rd Slide Brace Socket
JP31-R001	Bell to 2nd Branch Brace

BODY PARTS

JP31-B002	Bell
JP31-E102	1st Branch
JP31-E202	2nd Branch
JP11-H007	Lyre Holder
JP11-H002	Lyre Holder – prior to Serial #83329
JP11-H203	Lyre Holder Screw

JMP-454L MARCHING Bb FRENCH HORN

MOUTHPIPE PARTS

JP37-M301	Mouthpipe
JP31-M202	Mouthpiece Receiver – French Horn
JP37-M201	Mouthpiece Receiver – Trumpet
JP11-F101	Finger Hook

SLIDE PARTS

JP37-X021	1st Slide Assembly
JP37-X041	2nd Slide Assembly
JP37-X061	3rd Slide Assembly
JP37-X001	Tuning Slide Assembly
Waterkey parts same as 600 Trumpet	

VALVE SECTION PARTS

JP37-P001	#1 Piston - .647"
JP37-P002	#2 Piston - .647"
JP37-P003	#3 Piston - .647"
Other valve section parts same as 600 Trumpet	

BRACES

JP37-R002	Bell Stem to 2nd Branch Brace
JP37-R004	Bell Stem to Tuning Slide Brace
JP37-R005	Bell Stem to 1st Branch Brace
JP37-R103	Bell Stem to Mouthpiece Receiver Brace Tube
JP36-R004	Bell Stem to Mouthpiece Receiver Brace Socket
JP37-R004	1st Branch to Mouthpipe Brace – upper
JP37-R003	1st Branch to Mouthpipe Brace – lower
JP37-R004	2nd Branch to 1st Slide Brace
JP37-R001	3rd Branch to 1st Slide Brace
JP37-R401	Tuning Slide Brace Tube
JP36-R004	Tuning Slide Brace Socket
JP37-R002	Mouthpipe to 3rd Slide Brace
JP11-R002	Mouthpipe to Valve Brace – small
JP37-R101	Mouthpipe to Valve Brace – large
JP37-R004	1st, 2nd or 3rd Slide Brace

BODY PARTS

JP37-B001	Bell Assembly
JP37-B002	Bell Stem Assembly
JP37-E101	1st Branch
JP37-E201	2nd Branch
JP37-E301	3rd Branch
JP11-H007	Lyre Holder
JP11-H002	Lyre Holder – prior to Serial #80800
JP11-H203	Lyre Holder Screw

JMH-550 Bb MARCHING FRENCH HORN

MOUTHPIPE PARTS

JP37-M202	Mouthpiece Receiver
JP37-M302	Mouthpipe
JP37-R014	Brace – Mouthpipe to Valve
JP37-F101	Finger Hook
JP11-H007	Lyre Holder
JP11-H203	Lyre Holder Screw

VALVE SECTION PARTS

JP37-P004	#1 Piston
JP37-P005	#2 Piston
JP37-P006	#3 Piston
JP11-P112S	Finger Button – Metal – Silver
JP11-V308	Top Cap
JP34-V201	Top Cap Felt – sold in dz's
JP11-V407	Bottom Cap
JP11-P601	Valve Spring – sold in dz's
JP11-P304	Valve Stem
JP34-P503	Valve Stem Washer – sold in dz's
JP11-P803	Valve Guide

SLIDES & OTHER PARTS

JP37-X002	Main Tuning Slide Ass'y
JP37-X022	1st Slide Assembly
JP37-X042	2nd Slide Assembly
JP37-X062	3rd Slide Assembly
JP41-U201	Slide Pull Knob
JP42-K102	Waterkey
JP11-K401	Waterkey Screw
JP11-K501	Waterkey Spring
JP21-K702	Waterkey Nipple
JP11-K301	Waterkey Saddle
JP11-K601	Waterkey Rubber
JP33-R201	Brace – Mpc. Receiver to Bell
JP37-R014	Brace – Mouthpipe to Valve
JP37-R402	Brace Rod – T.S. Slide & Lower M.P.
JP37-R007	Brace Socket – 3rd Branch – 2 needed
JP37-R013	Brace – 3rd to Bell
JP37-R012	Brace – 1st to Bell

JBR-560 MARCHING BARITONE

MOUTHPIPE PARTS

JP33-M205	Mouthpiece Receiver
JP33-M305	Mouthpipe
JP33-R025	Brace – Mouthpipe to Valve
JP33-G113	Mouthpipe Ferrule
JP33-L119	"L" tube – to 3rd casing

VALVE SECTION PARTS

JP33-P004	#1 Piston
JP33-P005	#2 Piston
JP33-P006	#3 Piston
JP11-P102	Finger Button w/ Pearl
JP11-P201	Finger Button Pearl – only
JP22-V302	Top Cap
JP22-V402	Bottom Cap
JP33-P601	Valve Spring
JP33-P303	Valve Stem
JP34-P503	Valve Stem Washer
JP33-P802	Valve Guide

SLIDES & OTHER PARTS

JP33-X004	Main Tuning Slide Ass'y
JP33-X023	1st Slide Assembly
JP33-X043	2nd Slide Assembly
JP33-X063	3rd Slide Assembly
JP41-U201	Slide Pull Knob
JP33-H001	Lyre Holder & Finger Ring Holder
JP11-H203	Lyre Holder Screw
JP14-F002	Finger Ring – 3rd Valve Slide
JP33-F004	Finger Ring – 3rd Valve Casing
JP33-R201	Brace – Mpc. Receiver to Bell
JP33-R027	Brace – 2nd Branch to Bell
JP33-R025	Brace – Mouthpipe to 1st Casing
JP33-R026	Brace – Bell to 2nd Casing

* Waterkey parts are the same as JCB-378 Tuba *

JBR-462 Bb BARITONE HORN

MOUTHPIPE PARTS

JP33-M302	Mouthpipe Tube
JP33-M202	Mouthpiece Receiver

SLIDE PARTS

JP33-X021	1st Slide Assembly
JP33-X041	2nd Slide Assembly
JP33-X061	3rd Slide Assembly
JP33-X002	Tuning Slide Assembly
JP11-U201	Slide Pull Knob
JP11-K001	Waterkey
JP11-K301	Waterkey Saddle
JP11-K401	Waterkey Screw
JP11-K501	Waterkey Spring
JP11-K701	Waterkey Nipple

VALVE SECTION PARTS

JP33-P010	#1 Piston - .805"
JP33-P011	#2 Piston - .805"
JP33-P012	#3 Piston - .805"
JP34-V304	Top Cap – after Serial #80001
JP34-V403	Bottom Cap – after Serial #80001
JP34-P041	Finger Button w/pearl
JP33-P302	Valve Stem
JP22-P801	Valve Guide w/ metal insert – 18.3mm Long
JP22-P501	Valve Guide Washer
JP34-P601	Valve Spring
JP11-V204	Top Cap Felt
JP11-P503	Valve Stem Felt

BRACES

JP32-M701	Mouthpipe Brace
JP33-R001	1st & 3rd Slide Tube Spacer Brace
JP33-R401	Branch to Valve Section Brace – multi-use
JP32-R004	Brace Socket – Large – multi-use
JP33-R006	Brace Socket – Medium – multi-use
JP34-R405	Brace Rod – Tuning Slide
JP33-R005	Brace Socket – Small
JP33-R003	T.S. to 3rd Slide Brace

BODY PARTS

JP34-H003	Lyre Holder
JP11-H203	Lyre Holder Screw
JP32-F001	Finger Ring
JP34-E602	Bottom Bow Guard

Bb EUPHONIUM

3 VALVE - MODEL JEP-468

4 VALVE - MODELS JEP-470L & 470S

MOUTHPIPE PARTS

JP34-M309	Mouthpipe Tube – 468 & 470
JP34-M308	Mouthpipe Tube – 468 prior to serial # 50001
JP34-M302	Mouthpipe Tube – 468 prior to #30500 & having mpc. rec'r beginning w/"SEP-"

JUPITER

JP34-M303	Mouthpipe Tube – 470 prior to ser. #50001 & having mpc. rec'r beginning w/"SEP."
JP34-M203	Mouthpiece Receiver

SLIDE PARTS

JP34-X023	1st Slide Assembly
JP34-X042	2nd Slide Assembly
JP34-X062	3rd Slide Assembly
JP34-X081	4th Slide Assembly
JP34-X002	Tuning Slide Assembly
JP41-U201	Slide Pull Knob
Waterkey parts same as 462 Baritone Horn	

VALVE SECTION PARTS

JP34-P021	#1 Piston - .908"
JP34-P022	#2 Piston - .908"
JP34-P023	#3 Piston - .908"
JP34-P024	#4 Piston - .908" – Model 470 only
JP34-V305	Top Cap – after Serial #80000
JP34-V404	Bottom Cap – after Serial #80000
JP34-P042	Finger Button w/pearl
JP34-P305	Valve Stem
JP42-P801	Valve Guide w/ metal insert – 23.5mm Long
JP22-P501	Valve Stem Washer
JP34-P601	Valve Spring
JP41-P501	Finger Button Felt
JP11-P503	Valve Stem Felt

BRACES

JP42-M701	Mouthpipe Brace (solders on)
JP34-R011	Bell to 2nd Branch Brace Assembly
JP34-R005	1st & 3rd Slide Brace Assembly
JP34-R008	Small Slide Tube Spacer Brace
JP34-R012	Brace Socket – Gooseneck Ferrule
JP34-R013	Brace Socket – Large – multi-use
JP42-R013	Brace Socket – Medium – multi-use
JP42-R014	Brace Socket – Small – multi-use
JP34-R406	Brace Rod – Bell to 1st slide & 2nd branch to tuning slide
JP34-R409	Brace Rod – Bell to T.S.
JP34-R402	Brace Rod – Bell to 4th valve
JP31-R401	Brace Rod – 2nd branch to 3rd slide
JP34-R410	Brace Rod – 2nd branch to gooseneck ferrule
JP33-R401	Brace Rod – Tuning to 3rd slide

BODY PARTS

JP34-H004	Lyre Holder
JP11-H203	Lyre Holder Screw
JP34-E602	Bottom Bow Guard

BBb TUBA MODELS

JCB-378 (Concert) & JCB-380 (Marching)

MOUTHPIPE PARTS

JP42-M038	Marching Mouthpipe Ass'y (model 380)
JP42-M036	Concert Mouthpipe Ass'y (model 378)
JP42-M206	Mouthpiece Receiver
JP42-M029	Connector on Mpc. Rec'r
JP42-M030	Connector on Mouthpipe

JP42-M032	Concert M.P. Rec'r Tube Ass'y
JP42-M501	Concert M.P. Rec'r Screw – thumb
JP42-M041	Marching M.P. Adjusting Rod – long
JP42-R243	Marching M.P. Adjusting Rod – short
JP42-M504	Marching M.P. Adjusting Screw
JP42-M039	M.P. Connector Rec'r – on bell, upper
JP42-M040	M.P. Connector Rec'r – on bell, lower
JP42-M039	Connector Rec'r – bell to 4th branch
JP42-M614	Connector Rec'r Screw – slotted
JP42-M037	Connector – 4th Branch to Bell on Bell

VALVE SECTION PARTS

(After serial #52501)	
JP42-P027	#1 Piston
JP42-P028	#2 Piston
JP42-P029	#3 Piston
JP42-P041	Finger Button w/ pearl
JP42-P202	Finger Button Pearl – only
JP34-V305	Top Cap
JP34-V404	Bottom Cap
JP41-P601	Valve Spring – Set of 3
JP42-P306	Valve Stem
JP22-P501	Valve Stem Washer
JP42-P801	Valve Guide
JP34-P801	Valve Guide – (prior to #E00001)

SLIDES & OTHER PARTS

JP42-X007	Main Tuning Slide Ass'y
JP42-X026	1st Slide Ass'y
JP42-X045	2nd Slide Ass'y
JP42-X066	3rd Slide Ass'y
JP42-R056	Brace – Tuning Slide
JP42-F004	Strap Ring w/ flange
JP42-H004	Lyre Holder and Connector Holder
JP11-H203	Lyre Holder Screw
JP11-K104	Waterkey (after serial #600001)
JP11-K401	Waterkey Screw
JP11-K501	Waterkey Spring
JP11-K705	Waterkey Nipple
JP11-K301	Waterkey Saddle
JP11-K604	Waterkey Rubber

BBb TUBA MODELS

JCB-382 (Concert) & JCB-384 (Marching)

MOUTHPIPE PARTS

JP42-M311	Mouthpipe – 382 (Concert)
JP42-M310	Mouthpipe – 384 (Marching)
JP42-M203	Mouthpiece Receiver
JP42-M023	Mouthpipe Assembly – 382 & 384 (Concert)
JP42-M026	Mouthpipe Assembly – 384 (Marching)
JP42-M020	Mouthpipe Receiver Tube Assembly
JP42-M501	Mouthpipe Receiver Screw
JP42-M010	Mouthpipe Connector
JP42-M011	Mouthpipe Connector Receiver
JP42-M504	Mouthpipe Connector Screw - w/ step
Prior to Serial #20001	
JP42-M012	384 Mouthpipe Adj. Rod – body side
JP42-M608	384 Mouthpipe Adj. Rod – mouthpiece side
JP42-M014	384 Mouthpipe Bracket Holder

SLIDE PARTS

JP42-X024	1st Slide Assembly
JP42-X044	2nd Slide Assembly
JP42-X064	3rd Slide Assembly
JP42-X005	Tuning Slide Assembly
JP11-K001	Waterkey
JP11-K401	Waterkey Screw
JP11-K301	Waterkey Saddle
JP11-K701	Waterkey Nipple
JP11-K501	Waterkey Spring

VALVE SECTION PARTS

JP42-P014	#1 Piston – 1.002"
JP42-P015	#2 Piston – 1.002"
JP42-P016	#3 Piston – 1.002"
Other valve section parts same as Model 594 Sousaphone	

BRACES

JP42-M701	Mouthpiece Receiver to Bell Brace - 382 - (prior to Serial #20001)
JP42-R023	Bell to 2nd Branch Brace
JP42-R412	Bell Ferrule to 3rd Branch Brace Tube
JP42-R022	Bell Ferrule to 3rd Branch Socket – bell side
JP42-R012	Bell Ferrule to 3rd Branch Socket – 3rd branch side
JP42-R020	1st Slide Brace
JP42-R019	1st Slide to Tuning Slide Brace
JP42-R015	2nd Slide to 1st or 3rd Slide Brace
JP42-R009	2nd Slide Brace
JP42-R021	3rd Slide Brace
JP42-R020	Receiver Tube to Tuning Tube Brace

MISCELLANOUS PARTS

JP42-F003	Strap Ring w/flange
JP42-E901	Bow Guard
JP42-E902	2nd Branch Guard
JP42-H002	Lyre Holder
JP11-H203	Lyre Holder Screw
JP42-F001	Finger Ring

JSH-590 SOUSAPHONE

MOUTHPIPE PARTS

JP43-M011	Upper Mouthpipe Assembly
JP43-M009	Mouthpiece Receiver Bit
JP43-M010	Mouthpipe Rec'r Bit w/screw
JP43-M804	Lower Mouthpipe
JP43-M012	Lower Mouthpipe Rec'r Ass'y
JP43-R053	Brace Ferrule with Ring
JP43-R120	Curved Brace
JP43-R012	Brace Socket
JP42-M501	Tightening Screw
JP11-H203	Lyre Holder Screw
JP42-H002	Lyre Holder

VALVE SECTION PARTS

JP43-P007	#1 Piston
JP43-P008	#2 Piston
JP43-P009	#3 Piston
JP43-P010	#4 Piston

JP42-P041	Finger Button w/ Pearl
JP42-P202	Finger Button Pearl – only
JP42-V305	Top Cap
JP42-V405	Bottom Cap
JP41-P601	Valve Spring – Set of 3
JP43-P302	Valve Stem
JP22-P501	Valve Stem Washer
JP42-P801	Valve Guide
JP34-P801	Valve Guide (before #E00001)

BRACES & OTHER PARTS

JP43-F002	Finger Ring
JP21-K703	Waterkey Nipple
JP11-K302	3rd Slide Waterkey Saddle
All other waterkey parts same as JCB-378	
JP43-B705	Bell Screw
JP43-A301	Bell Screw Rubber Bumper
JP43-R019	Bell Screw Flange
JP43-R043	Bell Bow Brace Flange
JP43-R042	Bell Bow Brace Flange – branch side
Detachable Brace Parts	
JP43-R701	Brace Nut
JP43-R604	Brace Rod – Main Tuning Slide
JP43-R054	Brace Flange – large branch side
JP43-R005	Threaded Flange – 4th Slide
JP43-R607	Connecting Screw – 5th to 7th branches
JP43-R055	Thread Flange – Upper 1st Slide

BBb SOUSAPHONE MODELS JSH-594 BRASS & JSH-596 FIBERGLASS

MOUTHPIPE PARTS

JP43-M002	Upper Mouthpipe – detachable
JP43-M002-S	Upper Mouthpipe – detachable – Silver
JP43-M007	Tuning Bit – lower
JP43-M007-S	Tuning Bit – lower – Silver
JP43-M003	Tuning Bit – upper
JP43-M003-S	Tuning Bit – upper – Silver
JP43-M005	Lower Mouthpipe Receiver
JP43-M005-S	Lower Mouthpipe Receiver – Silver
JP43-M801	Lower Mouthpipe Tube – prior to Serial #22861
JP43-M802	Lower Mouthpipe Tube
JP42-M501	Mouthpipe Receiver Screw

SLIDE PARTS

JP43-X022	1st Slide Assembly – upper
JP43-X023	1st Slide Assembly – lower
JP43-X041	2nd Slide Assembly
JP43-X063	3rd Slide Assembly – upper outside
JP43-X061	3rd Slide Assembly – lower
JP43-X001	Tuning Slide Assembly – prior to Serial #22800
JP41-U201	Slide Pull Knob
Waterkey parts same as 462 Baritone Horn	

VALVE SECTION PARTS

JP43-P004	#1 Piston - 1.002"
JP43-P005	#2 Piston - 1.002"
JP43-P006	#3 Piston - 1.002"
JP42-V303	Top Cap
JP42-V403	Bottom Cap

JP42-V305	Top Cap – after Serial #80001
JP42-V405	Bottom Cap – after Serial #80001
JP42-P041	Finger Button w/ pearl
JP43-P302	Valve Stem
JP42-P801	Valve Guide w/ metal insert – 22.5mm long
JP22-P501	Valve Stem Washer
JP41-P601	Valve Spring – set of 3
JP41-P501	Finger Button Felt
JP11-P503	Valve Stem Felt

BRACES

JP43-R017	1st Valve to Tuning Slide Brace Assembly
JP43-R013	Brace Flange – Straight – multi-use
JP43-R014	Brace Flange – Angled – multi-use
JP43-R104	Brace Rod – lower Mouthpipe to 1st Slide
JP43-R105	Brace Rod – lower Mouthpipe to 2nd Slide
JP31-R402	Brace Rod – Tuning Slide Brace
JP11-R404	Brace Rod – 1st to 3rd Slide
JP42-R407	Brace Rod – upper 1st Slide
JP43-R406	Brace Rod – lower 3rd Slide

SOUSAPHONE CONNECTING RINGS AND BRACE PARTS

(Please Note: Jupiter calls the Bell Receiver Elbow the 1st Branch)

596 ONLY

JP43-G401	Connecting Ring – 2nd to 4th branch
JP43-G001	Connecting Ring with Screw Receiver - 5th branch to tuning slide
JP43-G402	Connecting Ring - 3rd to 5th branch
JP43-G002	Connecting Ring with Screw Receiver - 3rd branch to 3rd slide
JP43-G003	Connecting Ring with Screw Receiver - 4th branch to 1st slide tube
JP43-G501	Connecting Ring Washer
JP43-G601	Connecting Ring Screw
JP43-G801	Connecting Ring Rubber Spacer

594 ONLY

JP43-R004	5th Branch Screw Flange
JP43-R001	3rd Branch Screw Flange
JP43-R002	4th Branch Ferrule Screw Flange
JP43-R005	Tuning and 3rd Slide Tube Screw Flange
JP43-R008	Hex Nut Brace – 3rd branch to 3rd upper slide tube – 594 only

FITS ALL

JP43-R006	1st Slide Tube Screw Flange – angled
JP43-R701	Screw Flange Receiver Nut
JP43-R604	Connecting Screw – 5th branch to tuning slide tube
JP43-R007	Hex Nut Brace – 3rd branch to 3rd slide tube and 4th branch to 1st slide tube (596 only) also; 3rd branch to 3rd lower slide tube (594 only)
JP43-R009	Hex Nut Brace – 4th branch to 1st slide tube
JP43-R601	Hex Nut Brace Screw
JP43-A206	Brace Screw (5 needed)

BODY PARTS

JP43-B705	Bell Screw - ¼ x 20 thread
JP43-B706	Bell Screw – 5/16 x 24 thread
JP43-R019	Bell Screw Flange – 594

JP43-B603	Bell Screw Flange – 596
JP43-A301	Bell Screw Rubber Bumper
JP42-F002	Finger Ring
JP43-G304	Male Tenon 'O' Ring – valve section to body
JP42-H002	Lyre Holder – after Serial #80001
JP11-H203	Lyre Holder Screw – after Serial #80001 – fine thread

JFL-511, 515, 611 & 711 C FLUTES

(Parts are silver plated, nickel plating is available upon request)

BODY PARTS

JP51-D001	Body – less keys – JFL-511, 515 & 611
JP51-D021	Foot Joint – less keys – JFL-511, 515 & 611
JPSFLH-511S	Head Joint – JFL-511 & 515
JPSFLH-611S	Head Joint – JFL-611 & 711
JP51-D011	Body – less keys – JFL-711
JP51-D002	Foot Joint – less keys – JFL-711
JP51-D004	Barrel Joint – JFL-511, 515 & 611
JP51-D005	Barrel Joint – JFL-711

KEYS – Silver Plated

(For Serial Numbers After #200000)

JP51-K001	D# Trill Key
JP51-K003	D Trill Key
JP51-K002	D# Trill Lever
JP51-K004	C Key – Body Joint
JP51-K006	Bb Thumb Lever
JP51-K005	B Key – Thumb
JP51-K007	Bb Key
JP51-K009	A Key
JP51-K011	G Key
JP51-K013	G# Key
JP51-K008	Bb Lever
JP51-K014	F# Key
JP51-K016	F Key
JP51-K017	E Key
JP51-K028	Rt. Hand Adjusting Spatula
JP51-K019	D Key
JP51-K020	D# Key – C Foot Joint
JP51-K022	Low C# Key – C Foot Joint
JP51-K024	Low C Key – C Foot Joint

SCREWS

JP51-C205	Pivot Screw
JP51-C201	Adjusting Screw
JP51-C203	Roller Screw
JP51-C204	Flat Spring Screw
JP51-C202	Pad Cup Screw
JP51-C002	Rod Screw Set – (5 pcs)
JP51-C003	Shaft Set – (3 pcs)

OTHER

JP51-N401	Head Crown
JP51-N601	Head Stop Nut
JP51-N001	Head Stop Screw
JP51-N003	Lip Plate – All
JP51-A101	Roller
JP51-S001	Needle Spring Set – (13 pcs)

JUPITER

JP51-A501	Knock Pin
JP51-S101	Flat Spring
JP51-P003	Pad Washer – (13 pcs) – prior to Serial #200001
JP51-A301	Pad Washer – metal, sold in dozens

JCL-631 (PLASTIC) & 731 (WOOD) Bb CLARINETS (For Serial Numbers after 100,000)

BODY PARTS

JCL-631	– Plastic
JP61-D003	Upper Joint – less keys
JP61-D002	Lower Joint – less keys
JP61-D004	Barrel Joint
JP61-D001	Bell
JCL-731	– Wood
JP62-D003	Upper Joint – less keys
JP62-D002	Lower Joint – less keys
JP62-D004	Barrel Joint
JP62-D001	Bell

KEYS – Nickel plated

(Fit both JCL-631 & 731 except as marked)

JP62-K002	Low E/B Key
JP61-K024	F#/C# Key – JCL-631
JP62-K001	F#/C# Key – JCL-731
JP62-K003	Low F/C Key
JP62-K021	F/C Lever
JP62-K004	Ab/Eb Key
JP62-K019	E/B Lever
JP62-K020	F#/C# Lever
JP62-K005	Right Hand Ring Key
JP62-K006	B/F# Key
JP62-K007	C#/G# Key
JP62-K008	Eb/Bb Trill Key
JP62-K009	Eb/Bb Aux. Key
JP62-K010	A/D Ring Key
JP62-K011	F# Ring Key
JP62-K012	F# Trill Key
JP62-K013	Thumb Ring Key
JP62-K014	Throat G# Key
JP62-K015	Throat A Key
JP62-K016	Bb Trill Key
JP62-K017	C Trill Key
JP62-K018	Register Key

SCREWS

JP61-C204	Throat A Key – Adjust & Screw
JP61-C002	Hinge Rod Set – (14 pcs)
JP62-C201	Pivot Screw
JP61-C203	Flat Spring Screw
JP61-C202	Thumb Rest Screw

OTHER PARTS

JP61-W011	Adjustable Thumb Rest
JP61-W501	Thumb Rest
JP61-S002	Flat Spring Set – (6 pcs)
JP61-S001	Needle Spring Set – (12 pcs)

JAS-667 & 767 (HIGH F#) ALTO SAXES (After Serial #290000 except as Marked)

MOUTHPIPE PARTS

JPSASN-669	Mouthpipe Assembly – JAS-667
JPSASN-769	Mouthpipe Assembly – JAS-767
JP71-W202	Octave Key Saddle
JP71-N301	Octave Key Guide
JP75-L001	Octave Key – upper
JP71-C223	Octave Key Screw
JP71-N401	Octave Key Vent

BODY PARTS

JP75-V001	Mouthpipe Receiver – JAS-667
JP75-V002	Mouthpipe Receiver – JAS-767
JP75-D501	Body Vent
JP71-W015	Lyre Holder Assembly
JP71-F501	Thumb Hook
JP71-F601	Thumb Hook Bushing
JP71-F401	Thumb Hook Screw
JP71-F001	Thumb Hook Holder
JP75-A301	Thumb Rest Pearl
JP75-U401	Bow Guard
JP71-W007	Strap Ring w/flange
JP71-A011	Key Pearl Set – (8 pcs)
JP75-R002	Body Joint Ring
JP71-R002	Body Joint Ring – prior to Serial #290001
JP71-A106	Low C & Eb Roller
JP71-A104	Low Bb Roller
JP75-K005	Octave Shift Lever (floating)
JP75-K002	Lower Octave Key
JP75-K004	Little Octave Lever
JP75-K606	Octave Rocker Arm
JP71-K606	Octave Rocker Arm – prior to Serial #290001
JP75-K604	Bb/G# Articulation Arm
JP75-C613L	G# or Low B Adjusting Arm
JP75-C613N	G# or Low B Adjusting Arm
Bell Brace – prior to Serial #290001	
JP71-Y101	Bell Brace
JP71-W011	Bell Brace Post – bell side
JP71-W012	Bell Brace Post – body side
Bell Brace – after Serial #290001	
JP75-Y101	Bell Brace
JP75-W011	Bell Brace Post – bell side
JP75-W012	Bell Brace Post – body side

KEY GUARDS AND FLANGES

JP71-G001	Low C or Eb Key Guard
JP71-G002	Double Bell Key Guard
JP71-G103	Clothes Guard
JP71-G101	Side F# Key Guard – 3 point, solders on
JP71-U308	Eb Guard Flange Set – (3 pcs)
JP71-U306	Low C Guard Flange Set – (3 pcs)
JP75-U303	Double Bell Guard Flange Set – (3 pcs)
JP71-D401	Clothes Guard Flange – each

SCREWS

JP75-C225	Pivot Screw w/head
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JP71-C225	Pivot Screw – prior to Serial #290001 – no head – long
JP71-C227	Pivot Screw (low B & C# only) - prior to Serial #290001 – no head – short
A1691	Neck Screw
JP71-C212	Lyre Holder Screw
JP75-C230L	Bb/G# Articulation Arm Screw – Brass
JP75-C230N	Bb/G# Articulation Arm Screw – Nickel
JP71-C2003	Bb/G# Adjusting Screw – 2 needed
JP71-C208	F# & Low B Adjusting Screw – Prior to Ser. #B02600
JP71-R201	Body Joint Ring Screw
JP71-C214	Bell Brace Screw – bell side
JP71-C216	Bell Brace Screw – body side
JP71-C209	Low C & Eb Roller Screw
JP71-C406	Low Bb Roller Screw
JP71-C211	Key Guard Felt Adj. Screw
JP71-C206	Key Guard Screw
JP71-C204	Side Key Guard Screw
JP71-C205	Large Key Guard Screw – prior to Serial #606200
JP71-C205A	Small Key Guard Screw – prior to Serial #606200
JP71-C202	Upper Octave Key Flat Spring Screw
JP75-C002	Long Rod Set – (5 pcs)
JP71-C002	Long Rod Set – (5 pcs) – prior to Serial #290001
JP75-C003	Short Rod Set – (5 pcs)
JP71-C003	Short Rod Set – (6 pcs) – prior to Serial #290001

JTS-687 & 787 (HIGH F#) TENOR SAXES

MOUTHPIPE PARTS

JPSTSN-689	Mouthpipe Assembly – JTS-687 & 689
JPSTSN-787	Mouthpipe Assembly – JTS-787
JP72-W201	Octave Key Saddle
JP72-L001	Octave Key – Upper
JP72-C201	Octave Key Screw
JP72-N401	Octave Key Vent

BODY PARTS

JP72-V001	Mouthpipe Receiver
JP71-D501	Body Vent
JP71-W015	Lyre Holder
JP71-F501	Thumb Hook
JP71-F601	Thumb Hook Bushing
JP71-F401	Thumb Hook Screw
JP72-F001	Thumb Hook Holder
JP72-A301	Thumb Rest Pearl
JP72-U401	Bow Guard
JP72-Y101	Bell Brace – 2 hole
JP72-W011	Bell Brace Post – bell side
JP72-W012	Bell Brace Post – body side
JP72-W007	Strap Ring w/Flange
JP71-A011	Key Pearl Set – (8 pcs.)
JP72-R002	Body Joint Ring
JP71-A106	Low C & Eb Roller
JP71-A104	Low Bb Roller
JP72-K005	Octave Shift Lever (Floating)
JP72-K002	Lower Octave Key
JP72-K004	Little Octave Lever
JP72-K606	Octave Rocker Arm

KEY GUARDS AND FLANGES

JP72-G001	Low C & Eb Key Guard
JP71-G101	Side F# Key Guard – 3 point, solders on
JP71-G103	Clothes Guard
JP72-G002	Bell Key Guard
JP71-U303	Eb Guard Flange Set – (3 pcs)
JP71-U306	Low C Guard Flange Set – (3 pcs)
JP71-U307	Bell Guard Flange Set – (3 pcs)
JP71-D401	Clothes Guard Flange – each

SCREWS

JP71-C218	Pivot Screw
JP71-C210	Low C & Eb Roller Screw
JP72-C002	Rod Screw Set A – (5 pcs)
JP72-C003	Rod Screw Set B – (6 pcs) – prior to Serial #290001
Other screws same as 667 Alto Saxophone	

JBS-593 BARITONE SAXOPHONE

MOUTHPIPE PARTS

JPSBSN-593	Mouthpipe Assembly
JP73-K039	Upper Octave Key – Body
JP73-U501	Upper Octave Key Vent
JP73-H161-07	Upper Octave Key Shift Lever Post Set

BODY PARTS

JP73-V001	Mouthpipe Receiver
JP73-W002	Lyre Holder Assembly
JP73-W007	Strap Ring w/Flange
JP71-F501	Thumb Hook
JP71-F601	Thumb Hook Bushing
JP71-F401	Thumb Hook Screw
JP73-F001	Thumb Hook Holder Assy.
JP73-V502	Lower Octave Vent
JP73-U401	Bow Guard
JP73-Y101	Bell Brace – 3 hole
JP73-W001	Bell Brace Post – bell side
JP73-W012	Bell Brace Post – body side
JP73-Y104	Neck Bow to Body Brace – 2 hole
JP73-A702	Neck Bow Brace Attachment
JP73-R004	Body Joint Ring – Small
JP73-R003	Body Joint Ring – Large
JP71-A106	Low C & Eb Roller
JP71-A103	Low B & Low C# Roller
JP71-A104	Low Bb Key Roller

KEY GUARDS AND FLANGES

JP71-G103	Clothes Guard
JP72-G001	Eb Key Guard
JP73-G001	Low C, B, Bb or A Key Guard
JP71-U301-3	Eb Key Guard Flange – (3 pcs)
JP71-U302-3	Low C Key Guard Flange – (3 pcs)
JP71-U305-5	Low B, Bb & A Key Guard Flange – (3 pcs)
JP73-D401	Clothes Guard Flange – each

SCREWS

JP71-C218	Pivot Screw
A1691	Neck Screw
JP71-C212	Lyre Screw
JP71-C208	F# & Low B Key Adj. Screw – Prior to #B02600
JP71-R201	Body Joint Ring Screw
JP71-C214	Bell Brace Screw – bell side
JP71-C216	Bell Brace Screw – body side
JP73-C206	Neck Bow Brace Screw
JP72-C209	Low C & Eb Roller Screw
JP71-A103	Low B & Low C# Roller Screw
JP71-C406	Low Bb Roller Screw
JP73-C226	Bow Brace Attachment Screw
JP71-C211	Key Guard Felt Adj. Screw
JP71-C206	Key Guard Screw
JP71-C205	Large Key Guard Screw – prior to Serial #60400
JP71-C205A	Small Key Guard Screw – prior to Serial #60400
JP73-C002	Rod Screw Set – (8 pcs)

What is Cork?

CORK, the “old reliable” that neither ages nor deteriorates through oxidation or exposure to the elements, has become the new and trusted material for space scientists, engineers, architects, builders, and decorators who must have the assurance of specifying the very best material to do the job.

If someone were to invent an extremely compressible yet resilient substance, one possessing extraordinary insulation and fire-retardant properties, a versatile “wonder product” highly resistant to wear-and-tear, majestically indifferent to extremes of

temperature, impervious to sounds and seepage, warm to sight and touch, varied and attractive in texture and appearance, lightweight and buoyant and best of all, virtually indestructible, it would be called...**CORK**. But fortunately, no one has to invent Cork...it grows on trees.

Considering the world’s long familiarity with and daily dependence on cork, it’s strange that so few know where it comes from. Ask and you’ll trigger wild conjecture ranging from “the bottom of the sea” to “the petrified forest”. Unlike petroleum, gas, coal and other diminishing natural resources, cork is the outer bark that grows on replenishable, renewable, inexhaustible evergreen oaks known by the Latin name *Quercus* (oak) *Suber* (cork).

Almost 80% of the world’s cork comes from the Iberian Peninsula-Portugal (51%) and Spain (28%) where soil, temperature, rainfall, and wind conditions are ideal. Like cows that continually renew their supply of milk or moose that regrow their antlers – the cork tree regenerates its precious outer layer 12 or 13 times during its 150 year lifetime. The first stripping occurs when the tree is between 15 and 20 years of age. Subsequent yields follow at 8 or 10 year intervals. Most of cork’s distinctive properties stem from its completely cellular structure. A one-inch cube of natural cork contains approximately as many cells as there are people in the United States – more than 200,000,000 tiny air-filled units, 50% of which consists of captive air. This unique cellular structure results in cork having a specific gravity of only 0.25 and accounts for its remarkable buoyancy, compressibility, elasticity, and relatively high degree of imperviousness to both air and water penetration as well as its high coefficient of friction and low thermal conductivity.

The more one contemplates the boundless problem solving adaptability of cork the more one must agree with the admiring appraisal of the Portuguese Poet-Philosopher who said, “When Mother Nature made cork, she overdesigned it.”

Cork worldwide is today a \$300,000,000 industry—all sprung from a tiny acorn that grows into a mighty oak.

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CORNET PARTS

602 KING & CLEVELAND CORNET - OLD STYLE

MOUTHPIPE PARTS

K310	Mouthpiece Receiver
K101	Mouthpipe Tube
K300	Finger Hook
K257	Waterkey
K258	Waterkey Saddle
K255	Waterkey Nipple
K259	Waterkey Screw
A355	Waterkey Spring
A366	Waterkey Cork

SLIDE PARTS

K311	1st Slide Crook
K357	2nd Slide Crook
K226	3rd Slide Crook
K103	Tuning Slide Crook
K268	3rd Waterkey
K229	3rd Waterkey Saddle
K230	3rd Waterkey Nipple
K259	Waterkey Screw
A355	Waterkey Spring
K107	Slide Pull Knob
K124	3rd Slide Finger Ring (Push Rod)
K106	Lyre Holder w/screw
A441	Lyre Holder Screw

VALVE PARTS

K237	Top Cap – Brass
K317	Top Cap – Nickel
K318	Bottom Cap – Nickel
K319	Finger Button – Cleveland (w/Pearl)
K231	Finger Button – King – Nickel (no Pearl)
K272	Piston Guide – Round
A376	Valve Spring

BRACES

K112	Receiver to Bell Brace
K308	Upper T.S. to Valve Brace
K309	Lower T.S. to Valve Brace
K114	Bell to Valve Brace
K376	Mpipe to Valve Brace
K280	Bell to 1st Slide Brace
K281	1st Slide Brace
K282	3rd Slide Brace

BELL

K323	Bell – Engraved – Cleveland
K324	Bell – Engraved – King
K302	Bell Ferrule

602L KING CORNET - .462 BORE NEW STYLE

MOUTHPIPE PARTS

K310	Mouthpiece Receiver
K101	Mouthpipe Tube
K300	Finger Hook
K257	Waterkey
K258	Waterkey Saddle
K255	Waterkey Nipple
K259	Waterkey Screw
A355	Waterkey Spring

SLIDE PARTS

K301	1st Slide Assembly
K222	2nd Slide Assembly
K223	3rd Slide Assembly
K304	Tuning Slide Assembly
K311	1st Slide Crook
K305	1st Slide Pull Knob
K225	2nd Slide Crook
K107	2nd Slide Pull Knob
K245	3rd Slide Crook
K340	T.S. to 3rd Valve Crook
K103	Tuning Slide Crook
K268	3rd Waterkey
K229	3rd Waterkey Saddle
K230	3rd Waterkey Nipple
K259	Waterkey Screw
A355	Waterkey Spring
K124	3rd Slide Finger Ring (Push Rod)
K106	Lyre Holder w/Screw
A441	Lyre Holder Screw

VALVE PARTS

K315-1	#1 Piston – 1 slot
K315-2	#2 Piston – 1 slot
K315-3	#3 Piston – 1 slot
K317	Top Cap – Nickel
K318	Bottom Cap – Nickel
K231	Finger Button – Nickel (no Pearl)
K270	Piston Stem
K272	Piston Guide - Round
A376	Valve Spring

VALVE PARTS AFTER SERIAL #491500

K1091	#1 Piston – 2 slot
K1092	#2 Piston – 2 slot
K1093	#3 Piston – 2 slot
All other valve parts same as 600 Trumpet after #491500	

BRACES

K109	Receiver to Bell Brace
K308	Upper T.S. to Valve Brace
K309	Lower T.S. to Valve Brace
K114	Bell to Valve Brace
K376	Mpipe to Valve Brace
K280	Bell to 1st Slide Brace
K282	3rd Slide Brace

K306	Mpipe to 3rd Brace Rod
K157	Mpipe to 3rd Brace Flange-oval

BELL

K324	Bell – Engraved
K302	Bell Ferrule

603 KING CORNET - OLD STYLE

MOUTHPIPE & SLIDE PARTS

Crooks same as 602L Cornet
Waterkey parts same as 603 New Style Cornet

VALVE SECTION PARTS

K237	Top Cap – Brass
K373	Bottom Cap – Brass
A376	Valve Spring
K272	Valve Guide – Round

BRACES

Same as 602L Cornet

BELL

Same as 602L Cornet

603 & 1503 KING CORNET - .462 BORE (Specify Silver Plate)

MOUTHPIPE PARTS

K247	Waterkey
K259	Waterkey Screw
Other mouthpipe parts same as 602L Cornet	

SLIDE PARTS

K240	1st Slide Assembly
K222	2nd Slide Assembly
K242	3rd Slide Assembly
K316	Tuning Slide Assembly
K211	1st Slide Thumb Hook
K124	3rd Slide Finger Ring (Push Rod)
K106	Lyre Holder w/Screw
A441	Lyre Holder Screw
K320	3rd Slide Stop Ring
K219	Nylon Stop Ring
K1022	Rubber Slide Bumper
K248	3rd Slide Waterkey
K259	3rd Slide Waterkey Screw
K330	Lyre Holder w/2 Flanges
Other slide parts same as 602L Cornet	

VALVE SECTION PARTS

K270	Piston Stem
K327	Finger Button – Silver Plated (no Pearl)
K239	Finger Button – Brass (no Pearl)
K237	Top Cap – Brass
K373	Bottom Cap – Brass
Other valve parts same as 602L Cornet	

BRACES

Braces same as 602L Cornet

BELL

K324 Bell – Engraved – 603
K329 Bell – Engraved – 1503

1065 KING MASTER CORNET**MOUTHPIPE PARTS**

K310 Mouthpiece Receiver
K300 Finger Hook
K247 Waterkey
K258 Waterkey Saddle
K255 Waterkey Nipple
K259 Waterkey Screw
A355 Waterkey Spring

SLIDE PARTS

K105 1-2-3 Slide Crook
K1081 Main Tuning Slide Crook
K248 3rd Waterkey
K229 3rd Waterkey Saddle
K230 3rd Waterkey Nipple
K259 Waterkey Screw
A355 Waterkey Spring
K211 1st Slide Hook
A418 Rubber Slide Bumpers
K106 Lyre Holder w/Screw
A441 Lyre Holder Screw
K260 1st Slide w/Trigger Assembly

VALVE SECTION PARTS

K237 Top Cap – Brass
K373 Bottom Cap – Brass
K272 Piston Guide – Round

BRACES

K295 M.P. to Valve Brace
K109 Receiver to Bell Brace
Other braces are obsolete

BELL

Master Bells are Obsolete

**2003 KING CORNET – SHEPHERD’S CROOK
BELL - .462 BORE****MOUTHPIPE PARTS**

K331 Mouthpiece Receiver
K300 Finger Hook
K265 Waterkey
K266 Waterkey Saddle
K255 Waterkey Nipple
K267 Waterkey Screw
A355 Waterkey Spring

SLIDE PARTS

K261 1st Slide Assembly
K262 2nd Slide Assembly
K263 3rd Slide Assembly
K335 Tuning Slide Assembly
K311 1st Slide Crook
K225 2nd Slide Crook
K245 3rd Slide Crook
K103 Tuning Slide Crook
K340 T.S. to 3rd Valve Crook
K107 Slide Pull Knob
K211 1st Slide Hook
K1022 Rubber Slide Bumper
K123 3rd Slide Finger Ring – Solder On
K274 Stop Rod Nuts
K277 Stop Rod Allen Screw

VALVE PARTS

K315-1 #1 Piston – 1 slot
K315-2 #2 Piston – 1 slot
K315-3 #3 Piston – 1 slot
K237 Top Cap
K195 Bottom Cap
K327 Finger Button – Silver Plate (no Pearl)
K270 Piston Stem
K272 Piston Guide – Round
A376 Valve Spring

BRACES

K109 Receiver to Bell Brace
K757 Upper T.S. to Valve Brace
K337 Lower T.S. to Valve Brace
K114 Bell to Valve Brace
K376 Mpipe to Valve Brace
K338 Bell to 1st Slide Brace
K306 Mpipe to 3rd Brace Rod
K157 Mpipe to 3rd Brace Flange – oval

BELL

K302 Bell Ferrule

TRUMPET PARTS**OLD STYLE - 600 KING & CLEVELAND
TRUMPET****MOUTHPIPE PARTS**

Same as 600 Trumpet

SLIDE PARTS

K357 2nd Slide Crook
K226 3rd Slide Crook
K103 Tuning Slide Crook
K106 Lyre Holder w/Screw
A441 Lyre Holder Screw
Waterkey parts same as 600 Trumpet

VALVE PARTS

K370-1 #1 Piston – 1 slot
K370-2 #2 Piston – 1 slot
K370-3 #3 Piston – 1 slot
K317 Top Cap – King – Nickel
K237 Top Cap – Cleveland – Brass
K318 Bottom Cap – Nickel
K231 Finger Button – King – Nickel (no Pearl)
K319 Finger Button – Cleveland
K341 Piston Stem
K272 Piston Guide – Round

BRACES

K112 Receiver to Bell Brace
K375 T.S. to Bell Brace
K114 Bell to Valve Brace
K376 Mpipe to Valve Brace
K280 Bell to 1st Slide Brace
K281 3rd to T.S. Brace
K282 1st & 3rd Slide Brace
K234 T.S. Brace Rod
K284 T.S. Brace Flange – diamond

BELL

K378 Bell – Engraved – King
K236 Bell Ferrule

600 KING TRUMPET**MOUTHPIPE PARTS**

K355 Mouthpiece Receiver
K220 Mouthpipe Tube
A102 Finger Hook

SLIDE PARTS

K221 1st Slide Assembly – 2 inners
K222 2nd Slide Assembly
K223 3rd Slide Assembly
K224 Tuning Slide Assembly
K356 1st Slide Crook
K225 2nd Slide Crook
K226 3rd Slide Crook
K227 Tuning Slide Crook
K288 Outside Slide Tubing
K257 T.S. Waterkey
K258 T.S. Waterkey Saddle
K228 T.S. Waterkey Nipple
K268 3rd Waterkey
K229 3rd Waterkey Saddle
K230 3rd Waterkey Nipple
K259 Waterkey Screw
A355 Waterkey Spring
A366 Waterkey Cork
K107 Slide Pull Knob
K124 3rd Slide Finger Ring (Push Rod)
K106 Lyre Holder w/Screw
A441 Lyre Holder Screw

VALVE PARTS – Before serial #491500

K272	Valve Guide – Round
K370-1	#1 Piston – 1 slot
K370-2	#2 Piston – 1 slot
K370-3	#3 Piston – 1 slot
K317	Top Cap – Nickel
K318	Bottom Cap – Nickel
K231	Finger Button – Nickel (no Pearl)
K341	Piston Stem
A376	Valve Spring

VALVE PARTS – After serial #491500

K1070	Valve Guide – 2 sided
K1071	#1 Piston – 2 slot
K1072	#2 Piston – 2 slot
K1073	#3 Piston – 2 slot
K1074	Valve Spring
K1075	Valve Stem
K1076	Top Cap
K239	Finger Button – Brass (no Pearl)
K231	Finger Button – Nickel (no Pearl)
K318	Bottom Cap

BRACES

K112	Receiver to Bell Brace
K375	T.S. to Bell Brace
K114	Bell to Valve Brace
K376	Mpipe to Valve Brace
K232	Bell to 1st Slide Brace
K281	1st Slide & 3rd to T.S. Braces
K234	T.S. Brace Rod
K235	T.S. Brace Flange – round

BELL

K378	Bell – Engraved
K236	Bell Ferrule

601 KING TRUMPET - .462 BORE

MOUTHPIPE PARTS

Same as 600 Trumpet

SLIDE PARTS

K240	1st Slide Assembly – 1 inner/1outer
K222	2nd Slide Assembly
K242	3rd Slide Assembly
K243	Tuning Slide Assembly
K311	1st Slide Crook
K225	2nd Slide Crook
K245	3rd Slide Crook
K227	Tuning Slide Crook
K247	T.S. Waterkey
K258	T.S. Waterkey Saddle
K255	T.S. Waterkey Nipple
K268	3rd Waterkey
K229	3rd Waterkey Saddle
K230	3rd Waterkey Nipple
K259	Waterkey Screw
A355	Waterkey Spring

A366	Waterkey Cork
K107	Slide Pull Knob
K211	1st Slide Thumb Hook
K1022	Rubber Slide Bumper
K124	3rd Slide Finger Ring (Push Rod)
K219	3rd Slide Nylon Stop Ring
K106	Lyre Holder w/Screw
A441	Lyre Holder Screw

VALVE PARTS

K237	Top Cap – Brass
K373	Bottom Cap – Brass
K239	Finger Button – Brass
K231	Finger Button – Nickel
Other valve parts same as 600 Trumpet	

BRACES

K280	Bell to 1st Slide Brace
K281	3rd to T.S. Brace
K282	1st & 3rd Slide Brace
K234	T.S. Brace Rod
K284	T.S. Brace Flange - diamond
Other braces same as 600 Trumpet	

BELL

Same as 600 Trumpet

1045 KING LIBERTY TRUMPET

MOUTHPIPE PARTS

A115	Mouthpiece Receiver
A116	Mouthpipe Tube
A102	Finger Hook

SLIDE PARTS

K103	Tuning Slide Crook
K257	T.S. Waterkey
K258	Waterkey Saddle
K255	Waterkey Nipple
K268	3rd Waterkey
K259	Waterkey Screw
A355	Waterkey Spring
K107	Slide Pull Knob
K106	Lyre Holder
A441	Lyre Holder Screw
K1022	Rubber Slide Bumper

VALVE PARTS

K237	Top Cap – Brass
K373	Bottom Cap – Brass
A321	Finger Button
K341	Piston Stem
K272	Piston Guide – Round

BRACES

K112	Receiver to Bell Brace
K375	Tuning Slide to Bell Brace
K114	Bell to Valve Brace
K376	Mouthpipe to Valve Brace

BELL

No longer available

SUPER 20 1048 KING TRUMPET

MOUTHPIPE PARTS

K355	Mouthpiece Receiver
A116	Mouthpipe Tube
A102	Finger Hook

SLIDE PARTS

K311	1st Slide Crook
K357	2nd Slide Crook
K226	3rd Slide Crook
K103	Tuning Slide Crook
K247	T.S. Waterkey
K258	T.S. Waterkey Saddle
K228	T.S. Waterkey Nipple
K268	3rd Waterkey
K229	3rd Waterkey Saddle
K230	3rd Waterkey Nipple
K259	Waterkey Screw
A355	Waterkey Spring
K107	Slide Pull Knob
K211	1st Slide Hook
K1022	Rubber Slide Bumper
K123	3rd Slide Finger Ring – Solder On
A315	Lyre Holder w/Screw
A441	Lyre Holder Screw

VALVE PARTS

K370-1	#1 Piston – 1 slot
K370-2	#2 Piston – 1 slot
K370-3	#3 Piston – 1 slot
K317	Top Cap
K373	Bottom Cap
A321	Finger Button
K341	Piston Stem
K272	Piston Guide – Round

BRACES

K112	Receiver to Bell Brace
K375	T.S. to Bell Brace
K114	Bell to Valve Brace
K376	Mpipe to Valve Brace
K121	3rd to T.S. Brace

BELL

No longer available

1055 KING SILVER FLAIR TRUMPET

MOUTHPIPE PARTS

K110	Mouthpiece Receiver
K220	Mouthpipe Tube
A102	Finger Hook

SLIDE PARTS

K311	1st Slide Crook
K225	2nd Slide Crook
K245	3rd Slide Crook
K227	Tuning Slide Crook
K247	T.S. Waterkey
K258	T.S. Waterkey Saddle
K226	T.S. Waterkey Nipple
K268	3rd Waterkey
K229	3rd Waterkey Saddle
K230	3rd Waterkey Nipple
K259	Waterkey Screw
A355	Waterkey Spring
K107	Slide Pull Knob
K1022	Rubber Slide Bumper
K124	3rd Slide Finger Ring (Push Rod)
K219	3rd Slide Nylon Stop Ring
K106	Lyre Holder w/Screw
A441	Lyre Holder Screw

1ST SLIDE TRIGGER PARTS

Same as 2000 & 2055 Trumpet

VALVE PARTS

K115	#1 Piston – 1 slot
K116	#2 Piston – 1 slot
K117	#3 Piston – 1 slot
K419	Top Cap
K195	Bottom Cap
K239	Finger Button – Brass (no Pearl)
K327	Finger Button – Silverplate (no Pearl)
K341	Piston Stem
K272	Piston Guide – Round
A376	Valve Spring

BRACES

K112	Receiver to Bell Brace
K375	T.S. to Bell Brace
K114	Bell to Valve Brace
K376	Mpipe to Valve Brace
K121	3rd to T.S. Brace

BELL

K379	Bell – Engraved – “2000”
K236	Bell Ferrule

**KING 1500 - .458 BORE &
KING 1501 - .462 BORE TRUMPET**
MOUTHPIPE PARTS

Same as 600 Trumpet

SLIDE PARTS – 1500 TRUMPET

K240	1st Slide Assembly
K222	2nd Slide Assembly
K253	3rd Slide Assembly
K243	Tuning Slide Assembly
K311	1st Slide Crook
K357	2nd Slide Crook

K226	3rd Slide Crook
K227	Tuning Slide Crook
K247	T.S. Waterkey
K258	T.S. Waterkey Saddle
K228	T.S. Waterkey Nipple
K268	3rd Waterkey
K229	3rd Waterkey Saddle
K230	3rd Waterkey Nipple
K259	Waterkey Screw
A355	Waterkey Spring
K107	Slide Pull Knob
K211	1st Slide Thumb Hook
K1022	Rubber Slide Bumper
K124	3rd Slide Push Rod
K106	Lyre Holder w/Screw
A441	Lyre Holder Screw

SLIDE PARTS – 1501 TRUMPET

Same as 601 Trumpet

VALVE PARTS – 1500 & 1501

K370-1	#1 Piston – 1 slot
K370-2	#2 Piston – 1 slot
K370-3	#3 Piston – 1 slot
K237	Top Cap – Brass
K373	Bottom Cap – Brass
K239	Finger Button – Brass (no Pearl)
K341	Piston Stem
K272	Piston Guide – Round
A376	Valve Spring

BRACES – 1500 & 1501

Same as 601 Trumpet

BELL – 1500 & 1501

K290	Bell – Engraved
K236	Bell Ferrule

2000 & 2055T KING TRUMPET - .462 BORE**MOUTHPIPE PARTS**

K110	Mouthpiece Receiver
K220	Mouthpipe Tube
A102	Finger Hook

SLIDE PARTS

K260	1st Slide Assembly w/Trigger Assembly
K261	1st Slide Assembly
K262	2nd Slide Assembly
K263	3rd Slide Assembly
K264	Tuning Slide Assembly
K244	1st Slide Crook
K225	2nd Slide Crook
K245	3rd Slide Crook
K227	Tuning Slide Crook
K265	T.S. Waterkey
K266	T.S. Waterkey Saddle
K228	T.S. Waterkey Nipple
K267	Waterkey Screw
A355	Waterkey Spring
K107	Slide Pull Knob

K211	1st Slide Hook
K1022	Rubber Slide Bumpers
K123	3rd Slide Finger Ring – Solder On
K274	Stop Rod Nuts – 5 x 40 thread
K277	Stop Rod Allen Screw – 5 x 40 thread

1ST SLIDE TRIGGER PARTS

K125	Trigger Lever
K126	Trigger Saddle
K127	Trigger Hinge Screw
K128	Trigger Spring
K118	Trigger Roller
K119	Trigger Roller Screw
K129	Trigger Pivot Pin – solders on

VALVE PARTS

K370-1	#1 Piston – 1 slot
K370-2	#2 Piston – 1 slot
K370-3	#3 Piston – 1 slot
K237	Top Cap
K195	Bottom Cap
K239	Finger Button – Brass (no pearl)
K327	Finger Button – Silverplate (no pearl)
K341	Piston Stem
K272	Piston Guide – Round
A376	Valve Spring

BRACES

K109	Receiver to Bell Brace
K375	Tuning Slide to Bell Brace
K114	Bell to Valve Brace
K376	Mpipe to Valve Brace
K120	Bell to 1st Slide Brace
K121	3rd to T.S. Brace
K283	Tuning Slide Brace Rod
K157	Tuning Slide Brace Flange – oval

BELL

K389	Bell – Model 2065
K379	Bell – Engraved – “2000”
K236	Bell Ferrule

2001 & 2007 KING TRUMPET - .468 BORE**MOUTHPIPE PARTS**

K110	Mouthpiece Receiver
K293	Mouthpipe Tube – 2007
A102	Finger Hook

SLIDE PARTS

K380	1st Slide Assembly
K381	2nd Slide Assembly
K382	3rd Slide Assembly
K383	Tuning Slide Assembly – 2001
K384	Tuning Slide Assembly – 2007
K385	1st Slide Crook
K386	2nd Slide Crook
K387	3rd Slide Crook
K227	Tuning Slide Crook
Other slide parts same as 2000 & 2055 Trumpets	

1ST SLIDE TRIGGER PARTS

Same as 2000 & 2055 Trumpets

VALVE PARTS

Same as 2000 & 2055 Trumpets

BRACES

Same as 2000 & 2055 Trumpets

BELL

K388	Bell – Engraved – “2001”
K236	Bell Ferrule

MODEL 2006 KING TRUMPET - .462 BORE

MOUTHPIPE PARTS

K110	Mouthpiece Receiver
K298	Mouthpipe Tube
A102	Finger Hook

SLIDE PARTS

K261	1st Slide Assembly
K262	2nd Slide Assembly
K263	3rd Slide Assembly
K311	1st Slide Crook
K225	2nd Slide Crook
K245	3rd Slide Crook
K227	Tuning Slide Crook
Other slide parts same as 2000 & 2055 Trumpets	

VALVE PARTS

Same as 2000 & 2055 Trumpets

BRACES

Same as 2000 & 2055 Trumpets

BELL

Same as 2000 & 2055 Trumpets

KING TROMBONE PARTS

606 KING, CLEVELAND & TEMPO (1306) TROMBONE

INSIDE SLIDE PARTS

K410	Venturi – Mouthpipe
K411	Mouthpiece Receiver
K131	Inside Slide Tube - .540 Stocking Dia.
K495	Cork Barrel – Mouthpiece Side
K496	Cork Barrel – Bell Side
K412	Slide Taper – Male
K413	Bell Lock Nut
K441	Slide Lock Ring w/Hook
K442	Brace Flange
K414	Brace Tube

OUTSIDE SLIDE PARTS

K158	Outside Slide Tube
K408	Slide End Ring
K404	Slide Lock Lug (solders on)
K405	Brace Flange
K140	Brace Tube
K1100	Handslide Crook Assembly
K497	Slide Crook
K446	Crook Guard
K407	Rubber Guard Bumper
K451	Waterkey
K453	Waterkey Saddle
K230	Waterkey Nipple
K452	Waterkey Screw
A349	Waterkey Spring

BELL PARTS

K498	Slide Receiver w/ Curved Brace
K499	Receiver to Bell Brace Tube
K500	Receiver to Bell Brace Flange – Bell Side
K501	Gooseneck
K409	Tuning Slide Assembly
K502	Tuning Slide Crook (3.25" inside span)
K422	Tuning Slide Brace Tube
K424	Tuning Slide Brace Flange – Small
K423	Tuning Slide Brace Flange – Large
K426	Rear Bell Brace Ferrule w/Socket – Sm
K425	Rear Bell Brace Ferrule w/Socket – Lg
K422	Rear Bell Brace Tube
K141	Balancer
K428	Balancer Screws (pair)
K429	Balancer Emblem (pair)
K503	Bell – Engraved

1506 KING TROMBONE

(Specify Nickel Plated)

INSIDE SLIDE PARTS

K431	Inside Slide Tube – Mpc Side .540
K131	Inside Slide Tube – Bell Side .540
All other inside slide parts same as 606 Trombone	

OUTSIDE SLIDE PARTS

Same as 606 Trombone

BELL PARTS

K433	Slide Receiver w/Curved Bell Brace
K432	Bell – Engraved
All other bell parts same as 606 Trombone	

2102 & 2102-G (2B) (OLD 1407) KING TROMBONE “LIBERTY”

INSIDE SLIDE PARTS

K434	Venturi – Mouthpipe
K435	Mouthpiece Receiver

K436	Inside Slide Tube – Mpc Side - .519" Dia.
K437	Inside Slide Tube – Bell Side - .519" Dia.
K135	Cork Barrel – Mouthpiece Side
K134	Cork Barrel – Bell Side
K444	Slide Taper – Male
K136	Bell Lock Nut
K441	Slide Lock Ring w/Hook
K140	Brace Tube

OUTSIDE SLIDE PARTS

K132	Outside Slide Tube
K461	Outside Slide Sleeve
K438	Slide End Ring
K139	Brace Flange
K140	Brace Tube
Other slide parts same as 606 Trombone	

BELL PARTS

K137	Slide Receiver w/ Curved Bell Brace
K450	Gooseneck
K454	Tuning Slide Assembly
K138	Tuning Slide Crook (3.815" inside span)
K455	Tuning Slide Brace Tube
K457	Tuning Slide Brace Flange – Small
K456	Tuning Slide Brace Flange – Large
K459	Rear Bell Brace Flange – Small
K458	Rear Bell Brace Flange – Large
K455	Rear Bell Brace Tube
K141	Balancer
K428	Balancer Screws (Pair)
K429	Balancer Emblem (Pair)
K142	Bell – Engraved – 2102 (2B)
K396	Bell – Engraved – 2102-G

2102L & 2102LG (2B LIGHTWEIGHT) KING TROMBONE “JIGGS WHIGHAM”

INSIDE SLIDE PARTS

K483	Venturi – Mouthpipe
K484	Mouthpiece Receiver
K485	Cork Barrel – Mouthpiece Side
K134	Cork Barrel – Bell Side
Other parts same as 2102 standard trombone	

OUTSIDE SLIDE PARTS

K493	Slide End Ring
K486	Brace Flange
K487	Brace Tube
Other parts same as 2102 standard trombone	

BELL PARTS

K494	Tuning Slide Assembly
K399	T.S. Brace Flange – Small
K396	Bell – Engraved – 2105L
K397	Bell – Engraved – 2115 (2B+)
Other bell parts same as 2102 standard trombone	

2103 (3B) (OLD 1403) KING TROMBONE “LEGEND”

INSIDE SLIDE PARTS

K462	Venturi – Mouthpipe
K463	Mouthpiece Receiver
K464	Inside Slide Tube – Mouthpiece Side - .540" Dia
K472	Inside Slide Tube – Bell Side - .540" Dia
K470	Cork Barrel – Mouthpiece Side
K471	Cork Barrel – Bell Side
K475	Slide Taper – Male
K413	Bell Lock Nut
K441	Slide Lock Ring w/Hook
K140	Brace Tube

OUTSIDE SLIDE PARTS

K477	Outside Slide Tube
K408	Slide End Ring
K139	Brace Flange
K140	Brace Tube

Other slide parts same as 606 Trombone

BELL PARTS

K479	Slide Receiver w/Curved Bell Brace
K482	Gooseneck
K465	Tuning Slide Assembly
K480	Tuning Slide Crook (3.815" inside span)
K455	Tuning Slide Brace Tube
K467	Tuning Slide Brace Flange – Small
K466	Tuning Slide Brace Flange – Large
K469	Rear Bell Brace Flange – Small
K468	Rear Bell Brace Flange – Large
K455	Rear Bell Brace Tube
K141	Balancer
K428	Balancer Screws – Pair
K429	Balancer Emblem – Pair
K481	Bell – Engraved – 607

2104 (4B) KING TROMBONE

INSIDE SLIDE PARTS

K515	Venturi – Mouthpipe
K538	Inside Slide Tube – Mouthpiece Side - .579" Dia
K516	Inside Slide Tube – Bell Side - .579" Dia
K533	Cork Barrel – Mouthpiece Side
K532	Cork Barrel – Bell Side
K530	Slide Taper – Male
K531	Bell Lock Nut
K566	Cork Barrel Ferrule – Bell Side
K535	Slide Lock Ring w/Hook
K534	Slide Lock Thread Ring
K536	Brace Flange
K537	Brace Tube
K543	Bumper Springs
K544	Finger Ring

OUTSIDE SLIDE PARTS

K517	Outside Slide Tube
K542	Slide End Ring
K537	Brace Tube
K541	Slide Crook

Other slide parts same as 606 trombone

BELL PARTS

K547	Slide Receiver w/Curved Bell Brace
K546	Gooseneck
K548	Tuning Slide Assembly
K549	Tuning Slide Crook
K550	T.S. or Rear Bell Brace Tube
K562	T.S. or Rear Bell Brace Flange – Small
K561	T.S. or Rear Bell Brace Flange – Large
K141	Balancer
K428	Balancer Screws (Pair)
K429	Balancer Emblem (Pair)
K545	Bell – Engraved

2115 (2B+), 2115G KING TROMBONE LIGHTWEIGHT

INSIDE SLIDE PARTS

K410	Venturi – Mouthpipe
K411	Mouthpiece Receiver
K654	Inside Slide Tube – .529" Dia
K652	Cork Barrel – Mouthpiece Side
K651	Cork Barrel – Bell Side
K650	Slide Taper – Male
K413	Bell Lock Nut
K441	Slide Lock Ring w/Hook
K140	Brace Tube

OUTSIDE SLIDE PARTS

K655	Outside Slide Tube
K658	Slide End Ring
K486	Brace Flange
K656	Brace Tube
K657	Slide Crook Assembly

Other slide parts same as 606 trombone

BELL PARTS

K661	Slide Receiver w/Curved Bell Brace
K396	Bell – Engraved – 2115

Other parts same as 2102 & 2102G (2B) trombone

2125 KING TROMBONE

INSIDE SLIDE PARTS

K601	Venturi – Mouthpipe
K602	Mouthpiece Receiver
K607	Inside Tube – Upper – Short .554"
K608	Inside Tube – Lower – Long .554"
K606	Cork Barrel – Mouthpiece Side w/Nut
K605	Cork Barrel – Bell Side

K603	Slide Taper – Male
K604	Bell Lock Nut
K441	Slide Lock Ring w/Hook
K140	Brace Tube

OUTSIDE SLIDE PARTS

K609	Outside Slide Tube
K612	Slide End Ring
K404	Slide Lock Lug (solder on)
K610	Brace Flange
K140	Brace Tube
K611	Slide Crook
K446	Crook Guard
K407	Rubber Guard Bumper
K451	Waterkey
K453	Waterkey Saddle
K230	Waterkey Nipple
K452	Waterkey Screw
A349	Waterkey Spring

BELL PARTS

K615	Slide Receiver w/Curved Bell Brace
K614	Gooseneck
K613	Bell – Engraved

Other parts same as 2103-3B trombone

607F & 608 KING ROTOR TROMBONE (608 is a 607F with a gold brass bell)

INSIDE SLIDE PARTS

K442	Brace Flange
K414	Brace Tube

Other parts same as 2125 tenor trombone

OUTSIDE SLIDE PARTS

K405	Brace Flange
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Other parts same as 2125 tenor trombone

ROTOR PARTS

K662	Lever
K663	Lever Bridge
K521	Lever Hinge Screw
K664	Lever Spring
K524	Linkage Screw for K523
K523	Teflon Connecting Rod (Black plastic)
K170	Stop Arm Retaining Screw
K175	String and Cork Plate Screw
K554	Cork Plate
K665	Rotor Cap
A201	Neoprene Bumper (1 foot)
K667	F Slide Assembly – Large
K686	F Slide Assembly – Small
K668	F Slide Crook-Both
K669	Return Crook – 90°
K702	Return Crook – 135°

BELL PARTS

K643	Slide Receiver w/Socket
K644	Receiver to Bell Brace Tube
K500	Receiver to Bell Brace Flange
K617	Gooseneck
K616	Tuning Slide Assembly
K480	Tuning Slide Crook
K455	T.S. Brace Tube
K619	T.S. Brace Flange – Small
K618	T.S. Brace Flange – Large
K645	Gooseneck to F Slide Brace
K646	F Slide Braces
K647	Large F to Small F Slide Brace
K648	T.S. to F Slide Brace
K481	Bell – Engraved for 607F

2103F (3B) KING ROTOR TROMBONE

INSIDE SLIDE PARTS

Same as 2103 tenor trombone

OUTSIDE SLIDE PARTS

Same as 2103 tenor trombone

ROTOR PARTS

K700	F Slide Assembly – Long
K701	F Slide Assembly – Short
Other rotor parts same as 607F trombone	

BELL PARTS

K703	Slide Receiver w/Curved Bell Brace
K704	Tuning Slide Assembly
K280	Gooseneck to F Slide Brace
Other bell parts same as 607F trombone	

2104F-(4B), 2105F-(5B) (OLD 1480) KING ROTOR TROMBONE “SYMPHONY”

INSIDE SLIDE PARTS

Same as 2104 tenor trombone

OUTSIDE SLIDE PARTS

Same as 2104 tenor trombone

ROTOR PARTS

K519	Lever
K663	Lever Saddle
K146	Rotor Cap
K716	Back Bearing
K717	F Slide Assembly – Long
K721	F Slide Assembly – Short
K718	F Slide Crook – Both
K730	Return Crook – 90°
K731	Return Crook – 135°
Other parts same as 607F trombone	

BELL PARTS

K726	Slide Receiver w/Curved Bell Brace
K727	Gooseneck
K548	Tuning Slide Assembly
K549	Tuning Slide Crook
K550	T.S. Brace Tube
K562	T.S. Brace Flange – Small
K561	T.S. Brace Flange – Large
K722	Gooseneck to F Slide Brace
K723	F Slide Brace
K647	T.S. to F Slide Brace
K545	Bell – Engraved – 2104F
K728	Bell – Engraved – 2105F

2106-(6B) KING DOUBLE ROTOR TROMBONE “DUO-GRAVIS”

INSIDE SLIDE PARTS

K850	Venturi-Mouthpipe
K853	Inside Tube – .599"
K533	Cork Barrel – Mouthpiece Side
K543	Slide Bumper Spring
K856	Slide Taper – Male
K531	Bell Lock Nut
K566	Cork Barrel Ferrule – Bell Side
K535	Slide Lock Ring w/Hook
K534	Slide Lock Thread Ring
K861	Brace Flange
K862	Brace Tube
K544	Finger Ring

OUTSIDE SLIDE PARTS

K865	Outside Slide Tube
K864	Slide End Ring
K862	Brace Tube
Other slide parts same as 606 tenor trombone	

ROTOR PARTS

K857	F Rotor Lever
K860	Lever Bridge Screw
K146	Rotor Cap
K868	E Return Crook - 135°
K869	F Return Crook - 135°
K870	F Slide Assembly
K871	F Slide Crook
K872	E Slide Assembly
K873	E Slide Crook
Other parts same as 607F trombone	

BELL PARTS

K875	Slide Receiver w/Curved Bell Brace
K876	Gooseneck
K877	Tuning Slide Assembly
K878	Tuning Slide Crook
K550	Tuning Slide Brace Tube

K562	Tuning Slide Brace Socket – Small
K561	Tuning Slide Brace Socket – Large
K647	Gooseneck to E Slide Brace
K879	E Slide Tube Spacer Brace
K880	E to F Slide Brace
K881	F Slide Brace
K714	F Slide Tube Spacer Brace
K883	F Slide to Bell Brace – Front
K884	Bell – Engraved

2107 (7B) KING DOUBLE ROTOR TROMBONE

INSIDE SLIDE PARTS

Same as 2106 King trombone

OUTSIDE SLIDE PARTS

Same as 2106 King trombone

ROTOR PARTS

K885	Return Crook - 90°
K886	Return Crook - 135°
K887	F Slide Assembly
K888	Gb Slide Assembly
K889	G Slide Assembly
K890	E Slide Assembly
K626	F, Gb, G & E Slide Crooks
Other parts same as 2108 trombone	

BELL PARTS

K892	Slide Receiver w/Curved Bell Brace
K893	Tuning Slide Assembly
K894	Tuning Slide Crook
K799	Bell – Engraved
Other parts same as 2108 trombone	

2108 (8B) KING DOUBLE ROTOR TROMBONE

INSIDE SLIDE PARTS

Same as 2106 Double Rotor Trombone

OUTSIDE SLIDE PARTS

Same as 2106 Double Rotor Trombone

ROTOR PARTS

K519	F Rotor Lever
K504	Gb Rotor Lever (Does not include spatula)
K505	Gb Adjustable Lever Spatula
K506	Gb Adjustable Lever Spatula Screw
K521	Lever Bridge Screw
K522	Lever Spring - F & Gb
K523	Teflon Connecting Rod (Black Plastic)

K524	Lever Linkage Screws for K523
K170	Stop Arm Retaining Screw
K175	Small Screw – (Cork Plate, Pivot Rod & String)
K554	Cork Plate
K146	Rotor Cap
A201	Neoprene Bumper (1 foot)
K509	Return Crook - 90°
K510	Return Crook - 135°
K511	F Slide Assembly
K512	Gb Slide Assembly
K513	G Slide Assembly
K514	E Slide Assembly
K567	F, Gb, G & E Slide Crook

BELL PARTS

K568	Slide Receiver w/Curved Bell Brace
K569	Gooseneck
K590	Tuning Slide Assembly
K591	Tuning Slide Crook
K592	Tuning Slide Brace Tube
K562	Tuning Slide Brace Socket – Large
K593	Tuning Slide Brace Socket – Small
K992	Brace Socket-Multi-Use
K598	Brace Rod – Short
K688	Brace Rod – Long
K647	Bell to Branch Brace – Front
K648	Bell to Branch Brace – Rear
K691	Bell – Engraved

2125F KING ROTOR TROMBONE**INSIDE SLIDE PARTS**

Same as 2125 tenor trombone

OUTSIDE SLIDE PARTS

Same as 2125 tenor trombone

ROTOR PARTS

Same as 607F rotor trombone

BELL PARTS

K709	Slide Receiver w/Curved Bell Brace
K704	Tuning Slide Assembly
K466	T.S. Brace Flange – Small
K467	T.S. Brace Flange – Large
K714	Gooseneck to F Slide Brace
K613	Bell-Engraved
Other parts same as 607F trombone	

2165 & 2166 KING VALVE TROMBONE**MOUTHPIPE PARTS**

K434	Venturi
K435	Mouthpiece Receiver
K777	Mouthpipe Sleeve
A102	Finger Hook
K106	Lyre Holder w/Screw
K391	OS Upper Slide Tube

SLIDE PARTS

K778	Tuning Slide Crook
K779	1st Slide Crook
K780	2nd & 3rd Slide Crook
K247	Waterkey
K258	Waterkey Saddle
K259	Waterkey Screw
K255	Waterkey Nipple
A355	Waterkey Spring

VALVE SECTION PARTS

K781	#1 Piston
K782	#2 Piston
K783	#3 Piston
K784	Piston Stem
K785	Piston Guide
K787	Top Cap
K914	Bottom Cap
K231	Finger Button
K791	Slide Taper – Male
K792	Bell Lock Nut – 2165
K413	Bell Lock Nut – 2166

BRACES

K793	Receiver to 1st Slide Brace
K794	1st Slide Brace
K648	2nd Slide Brace
K996	Mpipe to 3rd Slide Brace
K839	Main Slide Brace Socket
K797	Main Slide Brace Rod

BELL PARTS

For 2165 use 2102 bell parts

For 2166 use 2103 bell parts

FRENCH HORN PARTS**618 KING & CLEVELAND SINGLE FRENCH HORN****MOUTHPIPE PARTS**

K600	Mouthpipe Assembly – after 1984
K343-N	Mouthpipe Tube – only – after 1984

VALVE SECTION PARTS

K172-1	#1 Lever
K172-2	#2 Lever
K172-3	#3 Lever
A188	Lever Spring – 1, 2 or 3
A195	Lever Shaft
K551	Lever Bridge
K345	Lever Bridge Post
K552	Lever Bridge Post Screw
K346	Valve Cap – 1, 2 or 3
K170	Stop Arm Retaining Screw (5 x 40)
K175	String/Cork Plate Screw (3 x 48)
K554	Cork Plate – 1, 2 or 3
K555	Back Bearing – Rough 1, 2 or 3
A201	Neoprene Bumper – 1' pc

SLIDE PARTS

K557	#1 Crook
K558	#2 Crook
K559	#3 Crook
K597	F Tuning Slide Crook
K177	Slide Pull Ring
K305	Slide Pull Knob
A105	Inside Slide Tube – 30"
A106	Outside Slide Tube – 30"

BRACES

A183	Mouthpipe to Bell Brace
A182	Bell to 1st Branch Brace
K350	Slide Spacer Brace – 1st or 3rd
K351	Slide Tube Spacer Brace
K352	Slide to Branch Brace – Short
K353	Slide to Branch Brace – Long
K354	T.S. Brace Socket
K358	T.S. Brace Rod
K359	Bell to Small Branch Brace – 2 needed

OTHER PARTS

K106	Lyre Holder w/Screw
K582	Finger & Thumb Hook
K595	1st Branch – Old Style
K348	1st Branch – New Style
K599	Bell

1159 & 2259 KING BRASS DOUBLE FRENCH HORN**MOUTHPIPE PARTS**

K360	Mouthpipe Tube – only (use A171 Receiver)
K361	Mouthpiece Receiver
K362	Mouthpipe Sleeve
K571	Mouthpipe Guard

VALVE SECTION PARTS

K174	Valve Cap - #1, 2 or 3
K574	Valve Cap - #4
K555	Back Bearing - #1, 2 or 3
K573	Back Bearing -#4
K363	Lever Bridge Post
K523	#4 Lever Link – Black Plastic
K575	#4 Lever Bridge (saddle)
K576	#4 Lever Hinge Screw
K524	#4 Lever Linkage Screw
K572	#4 Cork Plate
Other parts same as 618K single French horn	

SLIDE PARTS

K557	#1 Crook – Upper
K558	#1 Crook – Lower
K558	#2 Crook – Upper & Lower
K559	#3 Crook – Upper
K588	#3 Crook – 2 Piece
K583	Tuning Slide Crook – 2" span
K177	Slide Pull Ring
K584	#4 to #3 T.S. Crook – 1 7/8" span

BRACES

Same as 618 Single French Horn

OTHER PARTS

K582	Finger Hook
K106	Lyre Holder w/Screw
K560	Clamp on Lyre Holder
K578	1st Branch
K178	4th to 1st Valve Branch
K579	Bell Guard
K589	Bell – Engraved

2269 KING BRASS DOUBLE FRENCH HORN

MOUTHPIPE PARTS

K732	Mouthpipe Assembly
K733	Mouthpipe Tube – only
K362	Mouthpipe Sleeve
K571	Mouthpipe Guard

VALVE SECTION PARTS

K741	#4 Lever
K742	#4 Lever Spring
K346	Valve Cap – #1, 2 or 3

Other valve section parts same as 2259 double French horn

SLIDE PARTS

K557	#1 Crook – Upper
K1094	#1 Slide Assembly – Upper
K558	#1 Crook – Lower
K1095	#1 Slide Assembly – Lower
K558	#2 Crook – Upper or Lower
K1096	#2 Slide Assembly – Upper
K1097	#2 Slide Assembly – Lower
K559	#3 Crook – Upper
K748	#3 Crook – Lower – Formed Crook
K749	#3 Crook – Lower – “U” Crook
K750	Tuning Slide Crook – either slide
K1098	Main Tuning Slide Ass’y – 1 inner/1outer
K1099	‘F’ Tuning Slide Ass’y – 2 inners
K177	Slide Pull Ring

BRACES

A183	Mouthpipe to Bell Brace
K581	Bell to 1st Branch Brace
K350	Slide Spacer Brace
K751	T.S. Brace
K359	Bell to Small Branch Brace
K1036	1st Branch Braces
K757	Mouthpipe to Bell Brace – Small
K758	Short F Tube Brace
K759	Mouthpipe to F Tube Brace
K760	1st Slide to F Tube Brace
K763	Branch to F Tube Brace
K764	Slide Tube Spacer Brace
K353	1st Slide to Branch Brace
K765	3rd Slide to Branch Brace

OTHER PARTS

Same as 2259 double French horn

2270 & 2271 KING NICKEL DOUBLE FRENCH HORN “EROICA”

MOUTHPIPE PARTS

K809	Mouthpipe Assembly
K815	Mouthpipe Tube – only
K362	Mouthpipe Sleeve
K571	Mouthpipe Guard

VALVE SECTION PARTS

K174	Valve Cap #1, 2 or 3
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All other valve section parts same as 2269 double French horn

SLIDE PARTS

K743	#1 Crook – Upper
K744	#1 Crook – Lower
K744	#2 Crook – Upper or Lower
K747	#3 Crook – Upper
K817	#3 Crook – Lower – Formed
K818	#3 Crook – Lower – “U” Crook
K819	Tuning Slide Crook – either slide
A190	Slide Pull Ring
K847	Slide Pull Knob

BRACES

Braces same as 2269 double French horn

OTHER PARTS

K582	Finger Hook
K828	1st Branch
K579	Bell Guard
K849	Bell – Engraved

2276 & 2279 KING BRASS DOUBLE FRENCH HORN

MOUTHPIPE PARTS

K733	Mouthpipe Tube – Only
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Other parts same as 2270 double French horn

VALVE SECTION PARTS

Same as 2269 double French horn

SLIDE PARTS

Same as 2269 double French horn

BRACES

Same as 2269 double French horn

OTHER PARTS

K582	Finger Hook
K899	1st Branch

K579	Bell Guard
K898	Bell – Engraved

BARITONE HORN PARTS

625K & 627K KING or CLEVELAND BARITONE HORN

MOUTHPIPE PARTS

K634	Mouthpipe Tube
K986	Mouthpiece Receiver

VALVE SECTION PARTS

K621-1	#1 Piston – nylon valve guide
K621-2	#2 Piston – nylon valve guide
K621-3	#3 Piston – nylon valve guide
K1056	Valve Guide Nylon Oval
K622	Piston Stem – for nylon valve guide pistons
K149	Top Cap
K156	Bottom Cap
K154	Finger Button – Brass, no pearl
A380	Valve Spring
K1101	#1 Piston – screw in valve guide
K1102	#2 Piston – screw in valve guide
K1103	#3 Piston – screw in valve guide
A311	Valve Guide – Screw-in

WATERKEY PARTS

K247	Waterkey – Tuning or 3rd Slide
K258	Waterkey Saddle – T.S.
K229	Waterkey Saddle – 3rd
K259	Waterkey Screw
K255	Waterkey Nipple
A355	Waterkey Spring

SLIDE PARTS

K150	Tuning Slide Crook
K626	1st Slide Crook – Upper
K151	1st Slide Crook – Lower
K987	2nd Slide Crook
K1105	2nd Slide Assembly
K152	3rd Slide Crook – Upper
K626	3rd Slide Crook – Lower
K627	3rd Slide Assembly
K107	Slide Pull Knob
K982	Lyre Holder
A441	Lyre Holder Screw
A152	Thumb Ring
K632	Inside Slide Tube – 30"
K633	Outside Slide Tube – 30"
K636	T.S. Large Inside Tube – 30"
K637	T.S. Large Outside Tube – 30"
K638	T.S. Small Inside Tube – 30"
K639	T.S. Small Outside Tube – 30"

BRACES – all are diamond flanges & use 3/16" rod (A846)

K620	Receiver to Bell Stem Brace
K630	Bell to 2nd Branch Brace
K988	Bow to Lg. T.S. Tube Brace Socket – Lg
K839	Bow to Lg. T.S. Tube Brace Socket – Sm
K990	Bow to Sm. T.S. Tube Brace Socket – Lg
K991	T.S. Brace Socket
K992	3rd Slide Tube Brace Socket
K993	2nd Branch to 3rd Slide Socket – Upper
K994	2nd Branch to 3rd Slide Socket – Lower
K995	Brace Rod – All
K996	1st Slide Brace
K648	#2 to #3 Slide Brace

OTHER

K998	1st Branch – Bell Bow
K999	2nd Branch
K160	Bow Branch
K1000	Bell Guard Wire
K166	Bell – Front – 625K
K167	Bell – Upright – 627K

**1165, 1167, 2265 & 2267 KING
BARITONE HORN****MOUTHPIPE PARTS**

K634	Mouthpipe Tube
K1002	Mouthpiece Receiver
K641	Lyre Holder

VALVE SECTION PARTS

K155	Top Cap (takes a felt)
A324	Finger Button
Other parts same as 625K baritone horn	

WATERKEY PARTS

Same as 625K baritone horn

SLIDE PARTS

K642	Slide Pull Ring
K124	3rd Slide Finger Ring
Other parts same as 625K baritone horn	

BRACES

Same as 625K baritone horn

OTHER

K631	1st Branch – Bell Bow
K635	2nd Branch
Other parts same as 625K baritone horn	

2266 & 2268 KING 4 VALVE BARITONE HORN**MOUTHPIPE PARTS**

K1003	Mouthpipe Tube
K1002	Mouthpiece Receiver

VALVE SECTION PARTS

K621-4	#4 Piston – use nylon valve guide
Other parts same as 1165 baritone horn	

WATERKEY PARTS

Same as 625K baritone horn

SLIDE PARTS

K627	4th Slide Assembly
K626	4th Slide Crook
K1004	3rd Slide Crook – Upper
Other parts same as 1165 baritone horn	

BRACES

K1005	T.S. to 4th Slide Brace
K1006	2nd Branch to Small Branch Brace
Other braces same as 625K baritone horn	

OTHER PARTS

Same as 1165 baritone horn

2280 KING EUPHONIUM

(Same as Conn 19I)

MOUTHPIPE PARTS

K1007	Mouthpipe Tube
K1008	Mouthpiece Receiver – large shank

VALVE SECTION PARTS

K1009	#1 Piston
K1010	#2 Piston
K1011	#3 Piston
K1012	#4 Piston
K197	Top Cap (takes a felt)
K198	Bottom Cap
K1013	Finger Button – Brass, no pearl
K836	Piston Stem
A311	Valve Guide – Screws-in
K1056	Valve Guide – Nylon Oval
A380	Valve Spring

WATERKEY PARTS

Same as 625K baritone horn

SLIDE PARTS

K1014	Tuning Slide Crook
K1015	1st Slide Crook
K1016	2nd Slide Crook
K642	Slide Pull Ring
K1015	3rd Slide Crook
K1018	Finger Ring
K982	Finger Ring Holder
K422	3rd Slide Spring Tube
K1020	3rd Slide Spring
K1021	Spring Anchor Post
K1022	Spring Bumper Washer

K1023	Spring Tube Cap
K1024	4th Slide Crook

BRACES

K1025	T.S. Ferrule & Socket – Sm
K1026	T.S. Ferrule & Socket – Lg
K1027	T.S. Brace Rod
K683	2nd Branch to Bell Brace
K1029	Mouthpipe to Bell Brace
K988	T.S. to Bell Socket – Lg
K989	T.S. to Bell Socket – Sm
K991	1st Slide to 2nd Branch Socket – Sm
K993	2nd Branch to Gooseneck Socket – Lg
K995	Branch Rod – All
K1030	2nd Branch to 4th Slide Brace
K1031	1, 3, or 4th Slide Brace
K1041	3rd to 4th Slide Brace
K1033	Hand Rest Tube
K1034	Hand Rest Socket – Small
K1035	Hand Rest Socket – Large
K1036	2nd to 3rd Slide Brace

OTHER PARTS

K1038	1st Branch – Bell Bow
K1039	2nd Branch
K1037	Bell

MARCHING BRASS PARTS**MODEL 1120 MARCHING MELLOPHONE****MOUTHPIPE PARTS**

K950	Mouthpipe Tube
K355	Mouthpiece Receiver
K300	Finger Hook

SLIDE PARTS

K952	Tuning Slide Crook
K385	1st Crook
K387	2nd Crook
K955	3rd Slide Crook
K955	3rd Return Crook – Large
K956	3rd Return Crook – Small
K211	1st Thumb Hook

WATERKEY PARTS – ALL

K257	Waterkey – Mouthpipe
K268	Waterkey – 3rd Slide
K258	Waterkey Saddle
K255	Waterkey Nipple
K259	Waterkey Screw

VALVE SECTION PARTS

Same as 600 Trumpet

BRACES

K109	Receiver to Bell
K114	Bell to Valve
K376	Mouthpipe to Valve

OTHER

K969	Bell
K970	1st Branch

MODEL 1122 MARCHING FRENCH HORN

MOUTHPIPE PARTS

K971	Mouthpipe Tube
K362	Mouthpipe Sleeve
K361	Mouthpipe Receiver
K300	Finger Hook

SLIDE PARTS

K385	1st Crook
K387	2nd Crook
K955	3rd Crook – Small
K583	3rd Crook – Medium
K976	3rd Crook – Large
K583	Tuning Slide Crook

WATERKEY PARTS – ALL

Same as Model 1120

VALVE SECTION PARTS

Same as Model 600 Trumpet

BRACES

K109	Receiver to Bell
K983	#1 Valve to Bell
K984	#3 Valve to Bell

OTHER

K978	Bell
K979	Bell Crook
K980	1st Branch
K981	2nd Branch
K982	Lyre Holder

MODEL 1130 MARCHING FLUGABONE

MOUTHPIPE PARTS

K930	Mouthpipe Tube
K931	Mouthpiece Receiver
K932	Finger Hook

SLIDE PARTS

K902	1st, 2nd or Small 3rd Crook
K933	3rd Crook – Medium
K934	3rd Crook – Large
K935	Tuning Slide Crook
K933	Tuning Slide Return Crook
K124	3rd Finger Ring
K937	3rd Finger Ring Holder

WATERKEY PARTS – ALL

Same as Model 1120

VALVE SECTION PARTS

K910	#1 Piston
K911	#2 Piston
K912	#3 Piston
K913	Top Cap
K914	Bottom Cap
K341	Piston Stem
K917	Piston Guide
K239	Finger Button – Brass, no pearl
A376	Valve Spring

BRACES

K375	Receiver to Bell
K923	Bell to 1st Branch
K376	Mouthpipe to Valve
K942	Tuning Slide Tube Brace

OTHER

K943	Bell
K944	1st Branch

MODEL 1124 MARCHING BARITONE

MOUTHPIPE PARTS

K900	Mouthpipe Tube – Brass
K900-S	Mouthpipe Tube – Silver
K986	Mouthpiece Receiver
K902	1st, 2nd or Small 3rd Crook
K933	3rd Crook – Medium
K934	3rd Crook – Large
K906	T.S. Crook – Large
K902	T.S. Crook – Small

WATERKEY PARTS – ALL

Same as Model 1120

VALVE SECTION PARTS

Same as Model 1130

BRACES

K919	Bell to 2nd Branch
K109	Receiver to Bell Crook
K921	Mouthpipe to Valve
K927	Bell to Valve

OTHER

K924	Bell
K925	1st Branch
K926	2nd Branch

MODEL 1135 TUBA (valves forward)

MOUTHPIPE PARTS

K1110	Mouthpipe Assembly
K1111	Mouthpipe Tube only
K1112	Mouthpiece Receiver
A157	Mouthpiece Receiver to Bell Brace

K982	Lyre Holder
K106	Lyre Holder w/Screw

VALVE SECTION PARTS

C-83135-4	#1 Piston
C-83136-2	#2 Piston
C-83137-0	#3 Piston
K1113	Valve Stem
K1114	Valve Guide
C-68334-2	Finger Button
C-83176-8	Top Cap
K1115	Bottom Cap
A383	Valve Spring

OTHER PARTS

K640	Thumb Ring
K837	Brace – Bell to 1st Branch
K1044	Brace – Main to 1st slide or Main to Bell Ring
K840	Brace – 1st Branch & 3rd Slide large
C-81752-8	Brace Socket – 3rd Branch to 3rd Slide
Waterkey parts same as 1120 Marching Mellophone	

MODEL 1140 CONVERTIBLE TUBA

MOUTHPIPE PARTS

K820	Marching Mouthpipe Assembly
K822	Marching Mouthpipe Tube Only
K821	Concert Mouthpipe Assembly
K823	Concert Mouthpipe Tube Only
K824	Mouthpiece Receiver – fits either
K825	Mouthpipe Clamp – Plain Half
K827	Mouthpipe Clamp – Threaded Half
K826	Mouthpipe Clamp Screw

SLIDE PARTS

K829	1st Upper or Lower Crook
K830	2nd Crook
K829	3rd Upper or Lower Crook
K829	Tuning Slide Crook
K642	Pull Ring

WATERKEY PARTS

K257	Waterkey
K258	Waterkey Saddle – Mouthpipe
K845	Waterkey Saddle – Tuning Slide
K255	Waterkey Nipple
K259	Waterkey Screw

VALVE SECTION PARTS

K833	#1 Piston
K834	#2 Piston
K835	#3 Piston
K197	Top Cap
K198	Bottom Cap
A327	Finger Button
K836	Piston Stem
A311	Piston Guide – Screw-in
K1056	Piston Guide – Nylon Oval

BRACES

K837	Bell to 1st Branch
K838	Bell to 2nd Branch or Mpipe to Bell – Lg Socket
K839	Bell to 2nd Branch or Mpipe to Bell – Sm Socket
K840	1st or 3rd Slide Spacer Brace
K841	2nd Slide Spacer Brace
K839	Marching Mouthpipe Brace Socket
K843	Marching Mouthpipe Brace Rod

SOUSAPHONE PARTS

1250 or 2350 BBb KING SOUSAPHONE

(3 point brace on lower mouthpipe)

MOUTHPHPIPE PARTS

(Upper mouthpipe is removable,
Lower mouthpipe is soldered onto the horn.)

K102	Upper Mouthpipe Complete (2350) – Lacq. (Use on horns after 1985)
K102-S	Upper Mouthpipe Complete – Silver
K191	Upper Mouthpipe Complete (1250) – Lacq. (Use on horns prior 1985)
K191-S	Upper Mouthpipe complete – Silver
K190	Tuning Bits (pair) – Lacquered
K190-S	Tuning Bits (pair) – Silver
K670	Upper Mouthpipe Tube Only (for K191)
K671	Mouthpipe Tenon – Male (for K191)
K676	Mouthpipe Brace – Upper (for K191)
K677	Tuning Bit Receiver
K681	Lyre Holder w/Screw
A441	Lyre Holder Screw Only
K204	Lower Mouthpipe (Gooseneck) – Brass (Solders into the tuning slide tube)
K204-S	Lower Mouthpipe (Gooseneck) – Silver
K192	Lower Mouthpipe Receiver – Brass
K192-S	Lower Mouthpipe Receiver – Silver
A445	Mouthpipe Screw Only
K1080	Lower Mouthpipe – Old Style - “S” Shaped (Solders into the 1st piston)

SLIDE PARTS

K193	Upper 1st Slide Crook
K194	Lower 1st Slide Crook
K205	2nd Slide Crook or Main Tuning Slide
K199	Upper 3rd Slide Crook
K169	Lower 3rd Slide Crook
K205	Tuning Slide Crook – New Style
K636	Inside Slide Tubing – 30"
K637	Outside Slide Tubing – 30"
K215	Tuning Slide Small Inside Tube – 30"
K216	Tuning Slide Small Outside Tube – 30"
K217	Tuning Slide Large Inside Tube – 30"
K218	Tuning Slide Large Outside Tube – 30"
K685	Pull Knobs

WATERKEY PARTS

K247	Waterkey
K258	Waterkey Saddle

K259	Waterkey Screw
K255	Waterkey Nipple
A355	Waterkey Spring

VALVE SECTION PARTS

K672-1	#1 Piston
K672-2	#2 Piston
K672-3	#3 Piston
K673	Piston Stem
K1056	Valve Guide – Nylon Oval
A311	Valve Guide – Screw-in
A384	Valve Spring
K197	Top Cap
K198	Bottom Cap
A327	Finger Button
K1013	Finger Button – All Metal
K682	Thumb Ring

BRACES (all flanges use 1/4" brass rod (A847))

K1040	2nd Branch to 1st Slide Socket – Sm (angled)
K202	2nd Branch to 1st Slide Socket – Lg
K202-S	2nd Branch to 1st Slide Socket – Lg – Silver
K183	3rd Slide to 4th Branch Socket
K1041	Slide Tube Spacer Brace
K921	1st Slide Brace
K1043	Gooseneck to 1st Slide Brace
K1044	Tuning Slide to 1st Slide Brace
K1045	1st to 2nd Slide Brace
K184	3rd Slide Brace Socket – Round Flange
K1047	3rd Slide Brace Rod
K1048	6th to 4th Brace Socket – Lg
K1049	6th to 4th Brace Socket – Sm (cup shaped)
K165	Brace Rod (1/4" diameter)
K1041	5th Branch to Tuning Slide
K201	6th Branch to 3rd Slide
K203	Bell Bow to 3rd Branch – “Z” brace – Brass
K203-S	Bell Bow to 3rd Branch – “Z” brace – Silver
K683	Large Branch Brace - .190" between flanges
K684	Small Branch Brace - .205" between flanges
K674	Lower Mouthpipe Brace – Ferrule Assembly
K184	Lower Mouthpipe Brace Socket – Round flange
K185	Lower Mouthpipe Brace – Curved Rod

OTHER

K798	Bell Cap
K696	Bell Ring – Male
K698	Bell Receiver – Female
K679	Bell Screw – 5/16 x 24 – Brass
K679-S	Bell Screw – 5/16 x 24 – Silver
K680	Bell Screw Flange – Brass
K680-S	Bell Screw Flange – Silver
A214	Guard Wire – 3 Ft. Lengths
K813	5th Branch
K814	6th Branch
ADHESIVE BACKED - Brass Color	
K1122	Guard Wire – Bow 5"
K1123	Guard Wire – 2nd Branch 8.75"
K1124	Guard Wire – Bell
K1125	Guard Wire – 2nd Branch 18.5"
K1126	Guard Wire – 1st Branch 35.5"

1280, 2370 or 2380 KING FIBERGLASS BBb SOUSAPHONE

K693	Bell Bow to Branch Brace
K694	Acorn Nut – Large for L Brace
K697	Acorn Nut – Small for L Brace
K695	Washer – Nylon – Thick
K186	Nylon Washer – Thin
A1627	Molly Nuts – 10 x 24
A1628	Acorn Screw for A1627
K206	Cap Screw – Short – 1/4 x 20
K699	Cap Screw – Long – 1/4 x 20
K1050	Bracket Nut Assembly – Short, 1/4" stud
K1051	Bracket Nut Assembly – Long, 3/4" stud
K1052	Bell Receiver – Female
K1053	Bell Ring – Male
K1054	“O” Ring – Rubber
K202	Adjustable Branch Flange – Large
K202-S	2nd Branch to 1st Slide Socket – Lg – Silver
K183	Adjustable Branch Flange – Small
Valve & slide parts same as 2350 sousaphone	

RECORDING BASS PARTS

2340 (3 VALVE) or 2341 (4 VALVE) KING RECORDING BASS - For instruments made after June 1980 (After serial #780900)

MOUTHPHPIPE PARTS

K1060	Mouthpipe Tube – Only
K801	Mouthpiece Receiver
K681	Lyre Holder
A441	Lyre Holder Screw

VALVE SECTION PARTS

K187	#1 or #3 Piston
K188	#2 Piston
K812	#4 Piston
Other pads same as 2350 sousaphone	

SLIDE PARTS

K1061	Tuning Slide Crook
K811	Upper 1st Slide Crook
K194	Lower 1st Slide Crook –Small
K1062	Lower 3rd Slide Crook
Other parts same as 2350 sousaphone	

BRACES

K620	Mouthpipe Brace
K184	Tuning Slide Brace Socket
K684	Bell Stem to 1st Branch Brace
K202	Bell to 1st Branch Socket – Branch Side
K202-S	2nd Branch to 1st Slide Socket – Lg – Silver
K183	Branch to Slide Tube Socket – Small
K1048	Branch to Slide Tube Socket – Large
K921	1st or 2nd Slide Brace
K1045	2nd Slide to Tuning Slide Tube Brace

OTHER

K682	Thumb Ring
K679	Bell Screw
K680	Bell Screw Flange
K909	Bell Bow Cap
K810	1st Branch Cap
K1065	Strap Ring
K1064	Bell Cap

1240 & 2340 (3 VALVE) or 1241 & 2341 (4 VALVE) KING RECORDING BASSES

For instruments made before June 1980
(Before serial #780900)

MOUTHPIPE PARTS

Original mouthpipe is no longer available,
you must bend your own using:
A222 Mouthpipe Tube – Straight & Filled

VALVE SECTION PARTS

Same as New Style 2340 Recording Bass

SLIDE PARTS

K1061	Tuning Slide Crook
K811	1st Slide Crook – Upper
K205	2nd Crook
K199	3rd Crook – Small
K807	3rd Crook – Medium
K193	3rd Crook – Large
K193	4th Slide Crook
Other crook and waterkey parts same as New Style 2340 Recording Bass	

OTHER

Other parts same as New Style 2340 Recording Bass

SAXOPHONE PARTS

KING MODELS 665 & 670 - SEE CONN SECTION

ALTO SAXOPHONE MODELS 1014 SUPER or 613A CLEVELAND (No longer made)

A445	Mouthpipe Tightening Screw
K706	Spring Box
A238	Strap Ring
A239	Thumb Hook
K213	Guard Screw
K209	Guard Screw Washer
K710	Pivot Screw w/ Pilot Point
K212	Pivot Screw w/Lock Nut
K214	Pivot Screw Lock Nut
K707	Octave Key Guide
K767	Mouthpipe Octave Vent Tube
K786	Mouthpipe Octave Key Saddle

K712	Bell Key Guard – 3 point
K719	Brace Body to Bell – 1014

TENOR SAXOPHONE MODELS 1016 SUPER 20 or 615 CLEVELAND (No longer made)

K769	Lyre Holder
K768	Body Octave Vent Tube
K770	Mouthpipe Octave Vent Tube
A445	Mouthpipe Tightening Screw
K740	Solder-On Guard – F#
K745	Body to Bell Brace

KEYS

KS100	High F Palm Key (rough)
KS101	High Eb Palm Key
KS102	High D Palm Key
KS103	Side F# Key
KS105	Thumb Lever

Straightening Trombone Slides

Straightening trombone inside and outside slide tubes is probably 50% knowing what and what not to do and 50% skill. It is much easier to demonstrate a procedure of this nature than to describe it.

The bend in a slide tube can be located by one of two methods. Both are used with equal success. Take your pick. (1) Use a perfectly flat surface such as Allied's T1020 iron. Compare the tube to be straightened to the iron by slowly turning the tube and notice any variance. Place one hand on the top of the bend applying downward pressure and then raise the end of the tube closest to the bend with your other hand. The hardness of trombone slide tubes vary a great deal, so start with relatively light pressure until the hardness of the tube being straightened is determined. (2) Tubing may be straightened by eyesight using a light source. Hold the tubing about 12" from the eye sighting down the top of the tubing while aimed preferably at a fluorescent light fixture. Slowly move the tubing up and down in a rocking motion. Look for a dark line to appear on the top of the tubing. When the tube is at the correct angle the dark line will be visible along the entire length of the tube. By sighting along this dark line any bends that may be in the tubing become obvious to the trained eye. Notice, I said trained eye, because at first sight bends might not be clearly distinguished. When the bend is located, if any, place the end of the slide tube on a bench with the bend upward, holding the other end of the tube in one hand and apply pressure to the top of the bend with the other hand using a sliding motion. Wear a glove or use a rag on this hand to assure an even motion. Perspiration can cause a jerky

motion or uneven pressure that can bend the tube worse. Everytime after pressure is applied check for the amount of straightening that occurred. Again, start with little pressure to determine the hardness of the tube. Sight down the tube from opposite ends occasionally because some bends can be seen better from one end than the other.

After both the inside and outside tubes have been straightened, try them individually for action. I am assuming all dents have been previously removed and the tubing has been cleaned. If the action is not smooth individually, either one or both of the tubes are still bent, which is usually the case, or the outside tube is out-of-round. Out-of-roundness can be determined by squeezing the outside tubing using finger pressure in the affected area. If squeezing the outside tube binds the action from one direction and not from another, the tube is out-of-round in the affected area only. This can be corrected by using a trombone slide expander or by squeezing the tubing at a 90° angle or both. Note: The trombone slide expander should not be used to remove dents. We at Allied use it only on problem slides.

If a slide tube works well individually in one position, but not in the normal position, heat the cork barrel and rotate the inside tube as desired. Please note that this should only be done as a last resort.

Once the slide tubes work well individually they will work well when the slide is assembled unless:

(1) The inside slide tubes are not parallel. Sight across the tubes. If not parallel, grip the cork barrels and twist to adjust. Then holding both the inside slide assembly and the outside slide assembly in a flat horizon position, check to make sure the end of the inside slide is the same width as the end of the outside. Do not hold the slides horizontal with the tubing in playing position because the weight of the inside slide tube will distort the spacing. If the inside is too wide or too narrow adjust by gripping the cork barrels in both hands and bend the slide brace one direction or the other until the slides match each other.

(2) Width of inside slide is incorrect. When the inside slide is inserted all the way, check to make sure there is a little side play. If the upper part of the inside slide is either too wide or too narrow, no side play will exist. Usually this is caused by one or more of the four slide tubes not properly straightened. If you are sure they are straight, simply heat the brace with a torch and tap the slide to the proper adjustment. In any event, there must be side play to achieve good slide action.

(3) Width of outside slide is incorrect. Check the spacing by using a caliper. Shorten or lengthen the brace to adjust.

(4) The outside slide tubes are not parallel. Sight across the tubes. If not parallel, the slide assembly must be resoldered.

An experienced technician will average about 10 minutes per slide after cleaning and dent removal. You will run into a "dog" that will give you fits after spending 30 minutes or more. In such instances it is best to set the job aside and start over from square one at a later time. Usually the problem will stand out like a sore thumb the second time around.

PICCOLO PARTS

VITO MODEL 233 PICCOLO

(Same as Yamaha YPC-32)

BODY PARTS

L330	Body Section – Plastic
L331	Head Joint – Silver Plated

SCREWS

L332	Pivot Screws
L333	Rib Screws
L334	Hinge Screw Set

KEYS

L335	Eb Key
L337	D Key
L338	E Key
L339	F Key
L340	F Helper Key
L341	Lower Adjusting Plate
L336	B Key – Thumb
L342	Bb Key – Thumb Lever
L343	G# Key
L344	A Key
L345	Bb Key
L346	G Helper
L347	G Key
L348	C Key
L349	A/Bb Arm Screw
L350	Low C Trill
L351	High C Trill Cup
L352	High C Lever

OTHER

L353	Head Crown
L354	Head Cork Screw
L355	Head Cork Nut
A468	Head Cork

FLUTE PARTS

VITO MODELS 112 & 113 FLUTE PLATEAU MODELS

(Specify Silver or Nickel Plate)

BODY PARTS (Less Keys)

L360	Body – Model 113 – Silver
L361	C Foot Joint – Model 113 – Silver
L362	Head Joint – Model 113 – Silver
L515	Body – Model 112 – Nickel
L516	C Foot Joint – Model 112 – Nickel
L517	Head Joint – Model 112 – Nickel

SCREWS

L363	Adjusting Screws (set of 4)
L364	Pivot Screws

L365	Flat Spring Screws
L366	Pad Cup Screws
L367	Roller Screws
L368	Hinge Rod Set

KEYS

L369	High C Trill Key
L370	Low C Trill Key
L371	High C Trill Spatula
L372	Bb Key
L373	A Key
L374	Aux Bb Key
L375	F# Key
L376	F Key
L377	E Key
L378	D Key
L379	C Key (Body Joint)
L380	B Thumb Key
L381	Bb Thumb Lever
L382	G Key
L383	G# Key
L384	D# Key (Foot Joint)
L385	C# Key (Foot Joint)
L386	C Key (Foot Joint)
L387	Lower Adjusting Plate

OTHER

L388	Head Crown
L356	Head Cork Screw
A474	Head Cork
A284	Key Cup Pad Nut
A286	Pad Washers
L392	Roller
J158	Pinning Needles

NOBLET MODEL 170 FLUTE PLATEAU MODEL

(Parts not listed are obsolete)

BODY PARTS

L400	Body – Less Keys
L401	C Foot – Less Keys
L702	Head Joint

SCREWS

L405	Flat Spring Screws
L406	Pad Cup Screws

KEYS

L409	High C Trill Key
L410	Low C Trill Key
L412	Bb Key
L413	A Key
L414	Aux Bb Key
L415	F# Key
L416	F Key

L417	E Key
L418	D Key
L419	C Key (Body Joint)
L420	B Thumb Key
L421	Bb Thumb Lever
L422	G Key
L197	G# Key
L423	D# Key (Foot Joint)
L424	C# Key (Foot Joint)
L425	C Key (Foot Joint)
L426	Lower Adjusting Plate

OTHER

L428	Head Cork Screw
L429	Head Cork Nut
A474	Head Cork
A284	Key Cup Pad Nut
A286	Pad Washers
J158	Pinning Needles

NOBLET MODEL 171 FRENCH MODEL (open hole)

(Parts not listed are obsolete)

BODY PARTS

L432	Body Section – Less Keys
	Foot joint same as Model 170

SCREWS & OTHER PARTS

Same as Model 170

KEYS

L433	A Key
L415	F# Key
L436	F Key
L437	E Key
L438	D Key
L439	G Key
L426	Lower Adjusting Plate
	Other Keys Same as Model 170

NORMANDY MODELS 22 & 23 FLUTE PLATEAU MODEL

(Specify Silver or Nickel Plate)

(Parts will be obsolete when gone)

BODY PARTS

L441	Body – Less Keys
L442	C Foot – Less Keys
L443	Head Joint

SCREWS, KEYS & OTHER PARTS

Same as Model 170

LEBLANC (Vito)

SOPRANO CLARINET PARTS

VITO MODELS 7212 & 7214, HOLTON CL612 & CL614

BODY PARTS

***Model # must appear on the clarinet
for the joints listed below to fit.***

L204	Upper Joint – 7212 – Shiny
L250	Upper Joint – 7214 – Brushed
L204-H	Upper Joint – engraved “Holton”
L204-YU	Upper Joint – Yellow
L204-M	Upper Joint – “Millennium”
L205	Lower Joint – 7212 – Shiny
L251	Lower Joint – 7214 – Brushed
L205-BL	Lower Joint – Blue
L205-GL	Lower Joint – Green
L205-M	Lower Joint – “Millennium”
L205-RL	Lower Joint – Red
L205-YL	Lower Joint – Yellow
L211	Barrel Joint – 66mm – All
L211-BB	Barrel – Blue
L210	Bell – 7212
L249	Bell – 7214 – Brushed

**For older lower joints that do not have
the model # on the clarinet please order:**

L205	Lower Joint – Shiny
L265	B-F# Key
L207	Lower Ring Key
All other keys should transfer.	

KEYS

L253	Register Key
L254	C Trill Key
L255	Bb Trill Key
L256	A Key
L257	Top G# Key
L258	F# Ring Key
L259	Thumb Ring Key
L260	F# Trill Key
L206	A/D Ring Key
L261	Eb/Bb Trill Key
L262	Eb/Bb Aux Key
L263	Curved C#/G# Key
L207	Lower Ring Key
L264	F/C Lever
L265	B/F# Key
L266	E/B Lever
L267	F#/C# Lever
L268	Ab/Eb Key
L270	Low F/C Key
L271	F#/C# Key
L272	Low E/B Key

SCREWS

L120	Pivot Screw – old style – 2 x 56
L121	Pivot Screws – new style – 3 x 56

A270	Thumb Rest Screws
L125	Hinge Rod Set
L500	G# Adjusting Screw – nylon
L501	Flat Spring Screw

OTHER PARTS

L212	Coil Spring
L200	Upper Barrel Ring
L201	Lower Barrel Ring
L202	Lower Joint Ring
L203	Small Bell Ring
A252	Thumb Rest

NOBLET MODEL 40, 45, & 50 / NORMANDY MODEL 4

BODY PARTS

(For upper & lower joints contact
Conn-Selmer for availability)

L226	Upper Joint - #4
L231	Barrel Joint - #45 & #50
L229	Barrel Joint - #40
L232	Barrel Joint - #4
L230	Bell - #45 & #50
L227	Bell - #40
L228	Bell - #4
L248	Bell – Normandy – plastic
A252	Thumb Rest

KEYS

L273	Register Key
L274	C Trill Key
L275	Bb Trill Key
L276	A Key
L277	Top G# Key
L278	F# Ring Key
L279	Thumb Ring Key
L280	F# Trill Key
L223	A/D Ring Key
L281	Eb/Bb Trill Key
L282	Eb/Bb Aux Key
L283	Curved C#/G# Key
L224	Lower Ring Key
L284	F/C Lever
L285	B/F# Key
L286	E/B Lever
L287	F#/C# Lever
L288	Ab/Eb Key
L289	Low F/C Key
L290	F#/C# Key
L291	Low E/B Key
L292	Low Eb Key - #50 Only
L293	Eb/Ab Aux Lever - #50 Only
L294	C#/G# Cup & Arm - #50 Only
L295	C#/G# Spatula - #50 Only

SCREWS

L121	Pivot Screws – New Style
L500	G# Adjustment Screw – Nylon
A270	Thumb Rest Screws

LEBLANC MODELS 1176 & 1276

BODY PARTS

(For upper & lower joints contact
Conn-Selmer for availability)

L134	Barrel Joint – All
L133	Bell – All
A252	Thumb Rest

KEYS

L299	Register Key
L300	C Trill Key
L301	Bb Trill Key
L302	A Key
L303	Top G# Key
L304	F# Ring Key
L305	Thumb Ring Key
L306	F# Trill Key
L128	A/D Ring Key
L307	Eb/Bb Trill Key
L308	Eb/Bb Aux Key
L309	Curved C#/G# Key
L129	Lower Ring Key
L310	F/C Lever
L311	B/F# Key
L312	E/B Lever
L313	F#/C# Lever
L314	Ab/Eb Key
L315	Low F/C Key
L317	F#/C# Key
L318	Low E/B Key

SCREWS

L121	Pivot Screws
A270	Thumb Rest Screws
L319	Hinge Rod Set
L500	G# Adjusting Screw

ALTO CLARINET PARTS

VITO MODEL 7165 & HOLTON AC602

(Same as Yamaha YCL-230)

L140	Neck Assembly
L142	Neck Receiver
L147	Neck Screw
L151	Thumb Rest
L141	Strap Ring
A270	Thumb Rest & Strap Ring Screws
L122	Pivot Screws
L146	Adjusting Screws
L153	Eb Bell Key
L156	Rocker Arm on Body
L233	Rocker Arm Screw
L154	Register Tube
L144	Lyre Holder
L145	Lyre Holder Screw
L501	Double Flat Spring Screw

BASS CLARINET PARTS

VITO MODELS 7166 & 7168 & HOLTON MODELS BC604 & BC602 (Same as Yamaha YCL-220)

L178	Neck Assembly
L158	Neck Receiver
L147	Neck Screw
L159	Thumb Rest
L141	Strap Ring
A270	Thumb Rest & Strap Ring Screws
L122	Pivot Screws
L146	Adjusting Screws
L511	Center Tenon Tightening Screw
L163	Eb Bell Key - #7166
L520	Rocker on Register Key
L521	Rocker Screw for L520
L165	Rocker Arm on Body – “?” shaped
L233	Rocker Arm Screw for L165
L166	Register Tube
L144	Lyre Holder
L145	Lyre Holder Screw
L501	Double Flat Spring Screw

FLOOR PEG PARTS

L505	Floor Peg Assembly – Complete
L506	Floor Peg Rod Holder – solder on
L507	Wing Nut – ¼ x 20 threads
L508	Floor Peg Lock Screw – ¼ x 20 threads
L509	Floor Peg Bumper
L510	Floor Peg Rod w/Tip (.280" dia.)
L522	Threaded Rubber Ball – ¼ x 20

SAXOPHONE PARTS

VITO ALTO SAXOPHONE MODEL 7131R & RK (Same as Yamaha YAS-23)

MOUTHPIPE PARTS

L170	Mouthpipe – Lacquered w/o Key
L171	Mouthpipe Key

BODY PARTS

L214	Thumb Hook
L175	Bell & C Key Guard – “J” Shaped
L389	Clothes Guard
L173	Eb Key Guard
L167	Guard Flange – Large
L169	Guard Flange – Small
L183	Bell Brace
L184	Strap Ring
L186	Roller – Bb (1")
L187	Roller – C# & B (3/8")
L188	Roller – C & Eb (3/4")
L512	Tenon Plug

SCREWS

L150	Pivot Screws
L168	Guard Screws
L194	Roller Screw – B, C# & Bb
L196	Roller Screw – C & Eb
L179	Bell Brace Screw
L198	Neck Screw – 4 x .7mm
L235	Felt Bumper

VITO MODEL 7133 ALTO SAXOPHONE

(Most parts same as Evette Model B66 listed in Buffet section)

VITO TENOR SAXOPHONE MODEL 7131T

(Same as Yamaha YTS-23)

MOUTHPIPE PARTS

L185	Mouthpipe – Lacquered w/o Key
L390	Mouthpipe Key

BODY PARTS

L176	Left Thumb Rest Cover
L195	Bell Key Guard
L391	Clothes Guard
L167	Guard Flange – Large
L169	Guard Flange – Small
L217	Bell Brace
L184	Strap Ring
L188	Roller – C & Eb (3/4")
L187	Roller – B & C# (3/8")
L513	Tenon Plug

SCREWS

L177	Thumb Rest Screw
L222	Roller Screw – B & C#
Other screws same as Model 7131 (RK) Alto	

VITO MODEL 7133T TENOR SAXOPHONE

(Most parts same as Evette Model B70 listed in Buffet Section)

VITO SAXOPHONE INFORMATION

7131 = YAS-23, Yamaha made
7131RK = YAS-23 Yamaha parts, assembled in Leblanc Kenosha plant
7133 = Evette, made in Taiwan
7140 = YAS-23 Clone made by Leblanc Kenosha plant

Do You Remember Who Gave You Your First Break?

Someone saw something in you once. That's partly why you are where you are today. It could have been a thoughtful parent, a perceptive teacher, a demanding drill sergeant, an appreciative employer, or just a friend who dug down in his pocket and came up with a few bucks. Whoever it was, had the kindness and the foresight to bet on your future. Those are two beautiful qualities that separate the human being from the orangutan. In the next 24 hours, take 10 minutes to write a grateful note to the person who helped you. You'll keep a wonderful friendship alive. Matter of fact, take another 10 minutes to give somebody else a break. Who knows? Someday you might get a nice letter. It could be one of the most gratifying messages you ever read.

What is Professionalism?

PROFESSIONALISM never runs scared. It is surefooted and confident in the knowledge that it can meet life head on and handle whatever comes along.

PROFESSIONALISM never makes excuses. It takes its lumps and learns from past mistakes.

Professionalism is considerate of others. It knows that good manners are nothing more than a series of petty sacrifices.

PROFESSIONALISM bespeaks an aristocracy that has nothing to do with ancestors or money. The most affluent bluebloods can be totally without professionalism while the descendent of a coal miner may ooze with professionalism from every pore.

PROFESSIONALISM never tries to build itself up by tearing others down. Professionalism is already up and need not strive to look better by making others look worse.

PROFESSIONALISM can “walk with kings and keep its virtue and talk with crowds and keep the common touch”. Everyone is comfortable with the person who has professionalism – because he/she is comfortable with him/herself.

If you have professionalism you don't need much of anything else. If you don't have it, no matter what else you have – it doesn't make much difference.

NAPBIRT Technicom vol. 6 no. 4, 1982

Lacquering

The perfect lacquer job is the cumulation of demanding skills, the correct use of the proper equipment and a clean atmosphere.

Everything stated here applies to both air-dry lacquer and oven-baked epoxy finish. Allied recommends the use of 2105 Nikolas lacquer for all but the largest repair shops. The reasons are that no oven is required and because new air-dry lacquer can usually be successfully patched or spot lacquered when defects in the finish occur. The only reason a small shop should switch to oven-baked epoxy is when the shop is located in a high humidity area and several "blushing" problems are encountered over a long period of time each year.

Nikolas 2105 should be reduced using approximately 50% lacquer and 50% thinner. Maas & Waldstein epoxy should be reduced using approximately 20% thinner. The proper viscosity of the material to be sprayed is all important. If it is too thin, the finish will have a rainbow colored effect. If too thick the finish will have an orange-peel effect.

We recommend the following Devilbiss spray equipment or equivalent: TGA 502 Cup Gun with No. 32 Nozzle and No. TGA 402F Needle; JGA 502 Gun if pressure tank is used with No. JGA 402FX Needle; PQM5502, 2 gallon pressure Feed Tank; HAA522, Air Regulator.

We use the least amount of air pressure possible. Usually 40 pounds is enough to atomize the material. Higher pressure wastes material and speeds up the drying time which causes over-spray problems. However, too low air pressure causes a rough appearing finish or orange-peel.

Everyone must understand that clear lacquer will not add or subtract from the brilliance of brass when properly applied. It does not hide anything. Articles to be lacquered must be previously color buffed. In any event a properly sprayed article should appear exactly the same as it did prior to clear lacquering.

The lacquer room must be clean, that is the air must be free of dust and lint. Suggestions to achieve this condition are: Exhaust only the amount of air necessary to remove the overspray. Do not cause any more air turbulence than necessary. Each time, prior to lacquering, "blow down" the lacquer area using an air hose. Then waiting 5 to 10 minutes with the exhaust fan in operation. Filter the make-up air using regular furnace filters. Use at least 18 square feet to filter area. If less area is used the exhaust fan will pull particles thru the filters. Consider sprinkling sweeping compound on the floor to hold down the dust. Use disposable plastic aprons or shop coats. Your clothes can be the major source of lint.

It is very difficult to advise anyone further on the subject of clean air due to the variety of conditions that exist. One technician in southern California does beautiful lacquer work without a lacquer room or exhaust fan. His shop is near the beach with prevailing west winds. He simply sprays his instruments first thing in the morning in the alley behind his shop. No lint, no dirt, no exhaust problems, no fire regulations, not even the EPA.

Suggestions for holding band instruments are illustrated. Other methods are available and work very well, depending upon what you are used to.

ROTARY VALVE MODELS

Parts common to all

MW100	Unibal Connector
MW101	Unibal Connector Screw
MW102	Stop Arm
MW103	Stop Arm Retaining Screw
MW104	Lever Connecting Rod – Bent
MW136	Lever Connecting Rod – Straight
MW105	Lever Connecting Rod Nut
MW132	Lever Hinge Rod – prior to 1998
MW160	Lever Hinge Rod – New Style after 1998
MW133	Lever Hinge Rod Nut – prior to 1998
MW161	Lever Hinge Rod Nut – New Style
MW134	Lever Support Bar
MW135	Lever Bar Screw
MW106	Cork Plate
MW107	Cork Plate Screws – Nickel
MW108	Lever Spring
MW109	Waterkey – Main
MW154	Waterkey – 3rd Slide
MW110	Waterkey Saddle
MW111	Waterkey Spring
MW112	Waterkey Screw
MW113	Waterkey Nipple
MW114	Thumb Ring
MW115	Lyre Screw
MW117	Slide Pull Ring

MODEL 20 & 25 (ROTARY)

MW124	Mouthpipe w/Receiver – 20
MW125	Mouthpipe Branch – 20
MW141	Mouthpipe w/Receiver – 25
MW125	Mouthpipe Branch – 25
MW116	Main Tuning Slide Crook – 20
MW152	1st or 4th Slide Crook
MW153	2nd or 3rd Slide Crook
MW156	Bottom Bow Guard
MW157	2nd Branch Guard
MW158	Valve Cap
MW159	Back Bearing

PISTON MODELS

MODELS 10 (3 VALVE) & 11 (4 VALVE)

MW140	Mouthpipe w/Receiver
MW131	Mouthpipe Clamp w/Screen
MW118	Top Cap Felt
MW142	Valve Stem Felt
MW119	Valve Spring
MW120	Finger Button (also fits 451 Euphonium)
MW121	Top Cap
MW122	Bottom Cap
MW123	Valve Guide – Nylon

MODELS 2144, 2145, & 2165

MW150	Mouthpipe w/ receiver – 2145
MW126	Top Cap Felt
MW127	Valve Spring
MW128	Finger Button
MW129	Top Cap
MW130	Bottom Cap
MW137	Main T.S. Crook (2141)

Because Getzen no longer distributes Meinl-Weston instruments, we do not do any special ordering of parts.

Surface Speed Conversion Chart - Wheels

R.P.M. Arbor Or Spindle	Diameters of Wheels (inch)				
	2"	4"	6"	8"	10"
	Surface Speed In Feet Per Minute (S.F.P.M.)				
1700	890	1780	2670	3560	4451
1800	942	1885	2827	3770	4713
1900	995	1989	2984	3979	4975
2000	1047	2094	3141	4189	5236
2100	1100	2199	3298	4398	5498
2200	1152	2304	3455	4608	5760
2300	1204	2408	3612	4817	6022
2400	1257	2513	3770	5027	6284
2500	1309	2618	3927	5236	6545
2600	1361	2722	4084	5445	6807
2700	1414	2827	4241	5655	7069
2800	1466	2932	4398	5864	7331
2900	1518	3037	4555	6074	7592
3000	1571	3141	4712	6283	7854
3200	1676	3351	5026	6702	8378
3400	1780	3560	5340	7121	8901
3600	1885	3769	5654	7539	9425
3800	1990	3979	5969	7958	9948

TUBA PARTS

WATERKEY PARTS

All Models (Piston and Rotor)	
R200	Waterkey Only
R201	Waterkey Spring
R202	Waterkey Nipple
R203	Waterkey Saddle
R204	Waterkey Screw
R205	Waterkey Pad

MODEL 1270 – PISTON VALVES

R103	Mouthpipe with Receiver
R115	1st Slide Crook
R116	2nd Slide Crook
R117	3rd Slide Crook
R118	Main TS Crook
R150	Top Cap
R160	Bottom Cap
R161	Finger Button
R305	Top Cap Felt
R306	Valve Stem Felt
R307	Valve Stem Cork
R308	Valve Guide – w/screw

ROTARY VALVE MODEL 186

MOUTHPIPES

(Complete with receiver)

R100	Model 186-4U BBb Rotary – 4 rotor
R102	Model 180-5U F Rotary – 5 rotor

SLIDE PARTS

R110	1st, 3rd or 4th Slide Crook
R114	Main Tuning Slide Crook
R113	2nd Slide Crook
R341	5th Slide Crook (except F Tuba)
R342	5th Slide Crook – F Tuba
R340	2nd Slide Pull Ring
R343	Waterkey Bow (Branch)

BRACES

R180	Bell to 2nd Branch
R181	Bell to Mouthpipe
R184	1st, 3rd or 4th Slide Brace

Lightweight Spacer Braces

R185	1/8" (Small)	Distance Between Flanges
R186	1/2" (Small)	
R187	1 5/8" (Large)	

Heavyweight Flange Braces

R188	1 1/8"	Distance Between Flanges
R189	1 1/4"	
R190	1 1/2"	
R191	1 5/8"	

ROTARY VALVE SECTION PARTS

(common to all rotor models)

R131	Valve Cap
R132	Valve Cap with Adjusting Screw
R133	Back Bearing Plate
R134	Cork Plate

A203	Neoprene Valve Bumper
R171	Round Head Retaining Screw (3 x .5mm)
R172	Cork Plate Screw – Brass (3 x .5mm)
R173	Cork Plate Screw – Nickel (3 x .5mm)
R174	Lever Support Bar Screw
R135	Lever Shaft End Nut
R136	Lever Shaft w/Nut
R137	Lever Support Bar
R182	Lever Bar Support (90°)
R183	Lever Bar Support (25°)
R301	Lever Spring
R310	Lever Spring (Clock Type, Flat) 5/16" W x 8 3/4" L x .012" T

FLAT CONNECTING BAR PARTS – “S” Linkage

R138	Teflon Washer	Flat Connecting Bar
R139	#1 Lever Complete to Rotor	
R140	#2 Lever Complete to Rotor	
R141	#3 Lever Complete to Rotor	
R142	#4 Lever Complete to Rotor	
R143	Stop Arm (Slotted)	
R170	Stop Arm Connecting Bar Screw	

DIRECT VALVE STROKE LEVER PARTS

R320	DVS Lever #1 - Only
R321	DVS Lever #2 - Only
R322	DVS Lever #3 - Only
R323	DVS Lever #4 - Only
R324	Threaded Steel Ball
R325	Stop Arm w/Ball (for Teflon Socket R328)
R326	Connecting Rod – Straight
R129	Connecting Rod – Bent
R327	Nylon Socket Screw
R328	Teflon Socket w/Screw (snaps over a ball)

MINIBAL CONNECTOR PARTS

R330	Minibal Connector (screw goes thru ball)
R331	Minibal Connector Screw
R332	Minibal Connector Rod
R333	Minibal Connector Rod Nut
R334	Stop Arm for Minibal Connector

OTHER PARTS

R210	Thumb Ring – Adjustable w/Nut
R208	Thumb Ring Plate only – for R210
R209	Thumb Ring – Non-Adjustable
R211	Strap Holder – Rotary Models
R212	Lyre Holder
R213	Bell Screws – 5/16 x 24 Threads
R214	Bell Screw Receivers
R215	1st Branch Guard – Nickel – Model 186
R309	1st Branch Guard Rib
R216	2nd Branch Guard – Nickel – Model 186
R217	Brass Inside Tubing – Model 186
R219	Nickel Inside Tubing – Model 186
R218	Nickel Outside Tubing – Model 186

BELL

R220	Model 186 Rotary
R221	Model 180 Rotary
R222	Model 1270 Piston

MIRAPHONE SOUSAPHONE NECK

If you need a neck (upper mouthpipe) for a Miraphone Sousaphone you can adapt a Conn Neck (A210) by following these steps:

1. Remove the tenon from the neck
2. Obtain a piece of brass tubing .670" OD (A161) and cut a piece to length.
3. You may need to make a new ferrule using a piece of K636 tubing.
4. Solder the pieces together, repair your solder marks and you are all set.

Rotary Valve Repair

If the valves do not operate freely, clean by immersing in Slime-Away. The rotary pistons may be bright dipped and scratch brushed. Do not polish or buff. If they still do not work smoothly simply lap them in by using water soluble lapping compound and a variable speed drill.

Both bearings must work freely. Make sure the back bearing spins on the rotor prior to assembly. Try the rotor for smooth action before assembling the back bearing. The back bearing must fit snug in the valve casing. If it is loose it may be tightened by using a spring punch along the perimeter. If the rotor works prior to assembly of back bearing but not after, chances are that there is not enough end play for the rotor. This can be achieved by very carefully filling the raised small circular area on the back side of the bearing.

If there is too much end play, a thin brass shim may be placed between the rotor and the back bearing.

The stop arm must fit firmly onto the rotor stem. The stop arm must not bottom. To correct this condition the end of rotor stem may be peened over or in extreme cases the rotor stem may be built up with soft solder.

Rotors should be lubricated using 3-in-1 oil. Check for proper alignment by using indicating marks on back of rotor and front bearing.

Assemble levers aligning them parallel with instrument, not parallel with lever bar. The string hole in the lever must be positioned past the stop arm.

Tie levers by passing string through top hole in the lever towards the rotor and back through the bottom hole and then tie knot. Pass the knot end between lever and rotor and between rotor and string screw. Do the same with the other end of the string, forming a figure eight pattern. Pull string tight with rotor held against top of cork stop plate and tighten screw. Form a half hitch over lever screw and tighten.

OLDS - FULLERTON, CA

OLDS CORNET PARTS (Fullerton, CA production)

AMBASSADOR CORNET (A-5)

MOUTHPiPE PARTS

0-04953-6	Mouthpiece Receiver
0-04142-6	Mouthpipe
A119	Finger Hook
0-04454-5	Waterkey Nipple
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
A356	Waterkey Spring
A340	Waterkey Assembly

TUNING SLIDE PARTS

0-04801-7	Main Tuning Crook – Large
0-03350-6	Main Tuning Crook – Small
0-05942-8	Outside T. S. Tube – Upper
0-05943-6	Outside T. S. Tube – Lower
0-05938-6	Inside Tube – Upper
0-05939-4	Inside Tube – Lower

1ST SLIDE PARTS

0-31302-3	1st Slide Assembly
0-05080-7	1st Slide Crook
0-03123-7	Brace

2ND SLIDE PARTS

0-05082-3	2nd Slide Crook
0-04000-6	Inside Slide Tube w/Ferrule
0-03632-7	Nib – Pull Knob

No assembly available

3RD SLIDE PARTS

0-31304-9	3rd Slide Assembly – no w/key
0-05080-7	3rd Slide Crook
0-03123-7	Brace
A114	Push Rod
A317	Lyre Holder
0-03081-7	Lyre Holder Screw
0-04450-3	Waterkey Nipple
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
A356	Waterkey Spring
A345	Waterkey Assembly
0-04221-8	Outside Slide Tube

VALVE PARTS

A320	Finger Button
0-03196-3	Top Cap – New Style
0-03199-7	Bottom Cap
0-03911-5	Valve Stem
0-0101	Guide Star – Nylon
0-0102	Ring Seat – Nylon
0-31402-1A	#3 Piston – 1 Slot
0-31400-5	#1 Piston – 2 Slot

0-31401-3B	#2 Piston – 2 Slot
0-31402-1	#3 Piston – 2 Slot
#1 & #2 Pistons – 1 Slot and Brass Valve	
Guides are obsolete.	

BRACES

A107	Receiver to Bell – 3 piece
0-05120-1	3 Point – Bell to Valve to Mouthpipe
0-03277-1	Upper TS Tube to Valve
0-03275-5	Lower TS Tube to Valve
0-05571-5	3rd to Mouthpipe Flange and Rod

BELL

0-19250-0	Bell
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AMBASSADOR EUROPEAN CORNET (A6ST – Shepard's Crook Bell)

0-03477-7	#1 Piston
0-03478-5	#2 Piston
0-03479-3	#3 Piston

SUPERSTAR CORNET (V-5)

0-19257-5	Bell – Engraved
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SPECIAL CORNET (L-5)

MOUTHPiPE PARTS

0-04952-8	Mouthpiece Receiver
A119	Finger Hook

SLIDE PARTS

0-04801-7	Main Tuning Slide Crook
0-05834-7	Main T.S. Inside Tube – Lower
0-05080-7	1st or 3rd Slide Crook
0-05082-3	2nd Slide Crook
0-03632-7	Nib – Pull Knob
0-04412-3	Screw Stop
0-08197-6	Lock Screw
A317	Lyre Holder
A114	Push Rod
0-04450-3	Waterkey Nipple
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
A356	Waterkey Spring
0-04625-0	Waterkey

VALVE PARTS

0-03197-1	Top Cap – New Style
0-03206-0	Bottom Cap
0-31402-1A	#3 Piston
#1 & #2 pistons are obsolete.	
Other parts are the same as Ambassador Cornet	

BRACES

0-03132-8	1st Slide to Bell
0-03550-1	Lower TS to Valve
0-03570-9	3rd Slide to Mpipe

BELL

0-19251-8	Bell – Engraved
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MENDEZ CORNET (M-5)

SLIDE PARTS

0-05080-7	1st or 3rd Slide Crook
0-05082-3	2nd Slide Crook
0-05342-1	Stud Screw
0-05351-2	Pivot Yoke – Drilled
0-05352-0	Yoke Hinge – Slotted
0-05332-2	Lever Spring
0-05323-1	Saddle Screw
0-03632-7	Nib – Pull Knob
G-01453-0	Trigger Bar Screw – 3rd
0-04625-0	Waterkey
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
0-04450-3	Waterkey Nipple
A356	Waterkey Spring

VALVE PARTS

0-03197-1	Top Cap
0-03206-0	Bottom Cap
0-05073-2	#1 Piston
0-05074-0	#2 Piston
0-05076-5	#3 Piston

Other parts are the same as the Ambassador Cornet

BRACES

0-03134-4	1st Slide to Bell
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BELL

0-19255-9	Bell – Engraved
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OPERA CORNET (O-5)

MOUTHPiPE PARTS

A119	Finger Hook
0-04628-4	Waterkey
0-04450-3	Waterkey Nipple
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
A356	Waterkey Spring

SLIDE PARTS

0-04801-7	Main Tuning Slide Crook
0-31323-9	1st Slide Assembly
0-05080-7	1st Slide Crook
0-05436-1	1st Slide Lever
0-05342-1	Stud Screw
0-05351-2	Pivot Yoke – Drilled
0-05352-0	Yoke Hinge Slotted
0-05332-2	Lever Spring
0-05082-3	2nd Slide Crook
0-05080-7	3rd Slide Crook
A114	Push Rod

0-04625-0 3rd Slide Waterkey
0-04450-3 Waterkey Nipple
0-04685-4 Waterkey Saddle
0-00974-6 Waterkey Screw
A356 Waterkey Spring

VALVE PARTS

0-03184-9 Top Cap
0-31402-1A #3 Piston
#1 & #2 pistons are obsolete.
Other parts are the same as the Ambassador Cornet

BRACES

0-03093-2 Tuning to 1st Slide
0-03272-2 Connecting Rod for Above

RECORDING CORNET (R-5)

MOUTHPIPE PARTS

A119 Finger Hook
0-00979-0 Waterkey Saddle
A350 Waterkey Spring

SLIDE PARTS

0-05082-3 Main Tuning Slide Crook
0-05080-7 1st Slide Crook
0-05082-3 2nd Slide Crook
0-05080-7 3rd Slide Crook
0-05161-5 Trigger Bar
G-01453-0 Trigger Screw
0-05172-2 Trigger Saddle
0-04851-2 Lyre Holder
0-04625-0 Waterkey
0-04450-3 Waterkey Nipple
0-04685-4 Waterkey Saddle
0-00974-6 Waterkey Screw
A356 Waterkey Spring

VALVE PARTS

0-03197-1 Top Cap
0-03206-0 Bottom Cap
0-05077-3 #1 Piston
0-05078-1 #2 Piston
0-05079-9 #3 Piston
Other parts are the same as the Ambassador Cornet

BRACES

0-05128-4 Mouthpipe to Valve
0-05251-4 3rd Slide to TS
0-05310-8 3rd Slide to TS

BELL

0-19254-2 Bell – Engraved

SUPER CORNET (S-5)

SLIDE PARTS

0-05080-7 1st Slide Crook
0-05082-3 2nd Slide Crook
0-05080-7 3rd Slide Crook
0-04851-2 Lyre Holder
0-03081-7 Lyre Holder Screw
0-04625-0 Waterkey
0-04450-3 Waterkey Nipple
0-04685-4 Waterkey Saddle
0-00974-6 Waterkey Screw
A356 Waterkey Spring

VALVE PARTS

0-03197-1 Top Cap
0-03206-0 Bottom Cap – New Style
0-05073-2 #1 Piston
0-05074-0 #2 Piston
0-05075-7 #3 Piston
Other parts are the same as the Ambassador Cornet

BRACES

0-05310-8 3rd to Tuning

BELL

0-05272-0 Bell – Engraved

STUDIO CORNET (T-5)

MOUTHPIPE PARTS

A119 Finger Hook
0-04454-5 Waterkey Nipple
0-04685-4 Waterkey Saddle
A356 Waterkey Spring

SLIDE PARTS

0-15310-6 Main Tuning Slide Crook
0-31312-2 1st Slide Assembly
0-05080-7 1st or 3rd Slide Crook
0-04340-6 1st Slide Lever
0-04360-4 Lever Saddle
0-05343-9 Stud Screw
0-05351-2 Pivot Yoke – Drilled
0-04350-5 Threaded Bar
0-05352-0 Yoke Hinge – Slotted
0-04420-8 Lever Spring
0-05082-3 2nd Slide Crook
0-04000-6 Inside Slide Tube w/Ferrule
0-03632-7 Nib – Pull Knob
0-04412-3 3rd Screw Stop
0-08197-6 3rd Lock Screw
A317 Lyre Holder w/Screw
0-04625-0 3rd Slide Waterkey
0-04450-3 Waterkey Nipple
0-04685-4 Waterkey Saddle
A356 Waterkey Spring

VALVE PARTS

0-05073-2 #1 Piston
0-05074-0 #2 Piston
0-05076-5 #3 Piston
Other parts are the same as Ambassador Cornet

BRACES

0-03132-8 1st Slide to Bell
0-03272-2 Bell to Receiver Rod

BELL

0-19252-6 Bell – Engraved

OLDS TRUMPET PART (Fullerton, CA production)

AMBASSADOR TRUMPET (A-10)

MOUTHPIPE PARTS

A115 Receiver
A116 Mouthpipe
A102 Finger Hook
0-05838-8 Outside T.S. Tube – Upper

SLIDE PARTS

0-31251-2 Main Tuning Slide Assembly
0-31252-0 1st Slide Assembly
0-31254-6 3rd Slide Assembly
K227 Main Tuning Slide Crook
0-05834-7 Inside Slide Tubing
0-05839-6 Outside T.S. Tube – Lower
0-03946-1 Main Tuning Slide Ferrule
0-04912-2 2nd Slide Crook
0-03632-7 Nib (Pull Knob)
0-04910-6 1st or 3rd Crook
A317 Lyre Holder w/Screw
0-03081-7 Lyre Holder Screw
A114 Push Rod (Finger Ring)
0-04454-5 Waterkey Nipple
0-04685-4 Waterkey Saddle
0-00974-6 Waterkey Screw
A356 Waterkey Spring
A340 Main TS Waterkey Ass'y
A345 3rd Slide Waterkey Ass'y

VALVE PARTS

A320 Finger Button
0-03196-3 Top Cap – New Style
0-03199-7 Bottom Cap
0-03911-5 Valve Stem
0-0101 Guide Star – Nylon
0-0102 Ring Spring Seat – Nylon
0-31181-1 #1 Piston – 1 Slot
0-31182-9 #2 Piston – 1 Slot
0-31183-7 #3 Piston – 1 Slot
0-03235-9 #1 Piston – 2 Slot
0-03237-5 #3 Piston – 2 Slot
*Brass valve guides are no longer available

OLDS - FULLERTON, CA

BRACES

0-05550-9	Mouthpipe to Bell – Female
A107	Mouthpipe to Bell – 3 piece
0-05120-1	3 Point – Mpipe to Valve to Bell
0-03092-4	Tuning to 1st Slide
0-03121-1	3rd to 1st Slide
0-03092-4	3rd to Tuning

BELL

0-19200-5	Bell – Engraved
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SPECIAL TRUMPET (L-10)

MOUTHPIPE PARTS

A115	Receiver
A116	Mouthpipe
A102	Finger Hook

SLIDE PARTS

0-04910-6	1st or 3rd Crook
0-04912-2	2nd Slide Crook
0-31256-1	3rd Slide Assembly
0-03122-9	1st Slide Brace
0-03632-7	2nd Slide Nib
0-04081-6	2nd Inside Slide Tube
A317	Lyre Holder
0-03081-7	Lyre Holder Screw
A114	Push Rod
0-04412-3	Screw Stop
0-04370-3	Brace Ass'y Lock
0-04625-0	3rd Slide Waterkey
0-04450-3	Waterkey Nipple
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
A356	Waterkey Spring

VALVE PARTS

0-03197-1	Top Cap – New Style
0-03206-0	Bottom Cap
0-31181-1	#1 Piston
0-31182-9	#2 Piston
0-31183-7	#3 Piston

Other parts are the same as the Ambassador Trumpet

BRACES

0-03132-8	1st Slide to Bell
0-03093-2	3rd to Tuning

MENDEZ TRUMPET (M-10)

MOUTHPIPE PARTS

A116	Mouthpipe
A115	Mouthpiece Receiver
A102	Finger Hook

SLIDE PARTS

K227	Main Slide Crook
0-04454-5	Waterkey Nipple
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw

A356	Waterkey Spring
0-04910-6	1st or 3rd Slide Crook
0-04912-2	2nd Slide Crook
0-05342-1	Stud Screw
0-05351-2	Pivot Yoke – Drilled
0-05352-0	Yoke Hinge Slotted
0-05332-2	Trigger Spring
0-03632-7	Nib – Pull Knob
0-04625-0	3rd Slide Waterkey

VALVE PARTS

0-03197-1	Top Cap
0-03206-0	Bottom Cap

Other parts, including the 1 slot pistons, are the same as the Ambassador Trumpet

BRACES

0-03134-4	1st Slide to Bell
0-03096-5	Tuning to 3rd Slide

OPERA TRUMPET (O-12)

MOUTHPIPE PARTS

0-03834-9	Receiver
A116	Mouthpipe

1ST SLIDE TRIGGER PARTS

0-05342-1	Stud Screw
0-05351-2	Pivot Yoke – Drilled
0-05352-0	Yoke Hinge Slotted
0-05332-2	Trigger Spring

SLIDE PARTS

0-05080-7	1st or 3rd Crook
0-05082-3	2nd Slide Crook
A114	Push Rod
0-03081-7	Lyre Holder Screw
0-04625-0	3rd Slide Waterkey
0-04450-3	3rd Slide Waterkey Nipple
0-04454-5	Main TS Waterkey Nipple
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
A356	Waterkey Spring

VALVE PARTS

0-03184-9	Top Cap
0-03202-9	Bottom Cap

Pistons are obsolete.
Other parts are the same as the Ambassador Trumpet

BRACES

0-03132-8	1st Slide to Bell
0-03272-2	Conn Rod for Above
0-03093-2	Tuning to 3rd Slide

RECORDING TRUMPET (R-10)

MOUTHPIPE PARTS

A116	Mouthpipe
A115	Receiver

SLIDE PARTS

K227	Main Tuning Slide Crook
0-04910-6	1st or 3rd Crook
0-04912-2	2nd Slide Crook
0-04081-6	2nd Inside Slide Tube

3RD SLIDE PARTS

0-04851-2	Lyre Holder
0-03081-7	Lyre Holder Screw
0-05172-2	Trigger Saddle
G-01453-0	Bar Arm Screw
0-04450-3	Waterkey Nipple
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
A356	Waterkey Spring
0-04625-0	Waterkey

VALVE PARTS

0-03197-1	Top Cap
0-03206-0	Bottom Cap
0-03313-4	#3 Piston

#1 & #2 pistons are obsolete.
Other parts are the same as the Ambassador Trumpet.

BRACES

0-05128-4	Mouthpipe to Valve
0-05310-8	Tuning to 3rd Slide
0-05290-2	1st Slide Brace

SUPER TRUMPET (S-10)

MOUTHPIPE PARTS

A115	Receiver
A116	Mouthpipe

SLIDE PARTS

K227	Main Tuning Slide Crook
0-04910-6	1st or 3rd Slide Crook
0-04912-2	2nd Slide Crook
0-04081-6	2nd Inside Slide Tubes
A114	3rd Push Rod (Finger Ring)
0-04851-2	Lyre Holder
0-03081-7	Lyre Holder Screw
0-04625-0	3rd Slide Waterkey
0-04450-3	Waterkey Nipple
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
A356	Waterkey Spring

VALVE PARTS

0-03197-1	Top Cap
0-03206-0	Bottom Cap – New Style

Other parts, including 1 slot pistons, are the same as the Ambassador Trumpet.

BRACES

0-05128-4	Mouthpipe to Valve
0-03270-6	Connecting Rod for Above
0-05310-8	Tuning to 3rd Slide
0-05290-2	1st Slide Brace

STUDIO TRUMPET (T-10)

MOUTHPIPE PARTS

A115	Receiver
A116	Mouthpipe
0-05943-6	Outside TS Tube – Upper
0-05839-6	Outside TS Tube – Lower

TUNING SLIDE PARTS

0-31259-5	Main Tuning Slide Assembly
K227	Crook
0-05834-7	Inside Tube
0-03946-1	Ferrule
0-04633-4	Waterkey
0-04454-5	Waterkey Nipple
0-04685-4	Waterkey Saddle
A356	Waterkey Spring

1ST SLIDE PARTS

0-04910-6	Crook
0-05343-9	Stud Screw
0-05351-2	Pivot Yoke – Drilled
0-04350-5	Threaded Bar
0-05352-0	Yoke Hinge – Slotted
0-04420-8	Lever Spring
0-04340-6	Lever
0-04360-4	Lever Saddle
0-03122-9	Brace

2ND SLIDE PARTS

0-04912-2	Crook
0-03632-7	Nib (Pull Knob)
0-04081-6	Inside Slide Tube

3RD SLIDE PARTS

0-04910-6	Crook
A317	Lyre Holder
0-03081-7	Lyre Holder Screw
0-04412-3	Screw Stop
0-04370-3	Brace Ass'y Lock
0-04625-0	Waterkey
0-04450-3	Waterkey Nipple
0-04685-4	Waterkey Saddle
A356	Waterkey Spring

VALVE PARTS

Same as the Ambassador Trumpet

BRACES

0-03132-8	1st Slide to Bell
0-03272-2	Connecting Rod for the Above
0-03093-2	Tuning to 3rd

SUPERSTAR TRUMPET (V10-2)

MOUTHPIPE PARTS

A115	Receiver
A116	Mouthpipe

SLIDE PARTS

0-31811-3	2nd Slide Assembly
0-05089-8	Main Tuning Slide Crook
0-04910-6	1st or 3rd Slide Crook
0-04912-2	2nd Slide Crook
0-03632-7	Nib – Pull Knob
0-04081-6	2nd Inside Slide Tube
0-04280-4	Inside Tube – 28"
0-03946-1	Main Tuning Slide Ferrule
0-10353-1	Main Tuning Slide Waterkey
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
A356	Waterkey Spring

3RD SLIDE PARTS

0-03122-9	Brace
0-04834-8	Push Rod – Offset Rod
0-04418-0	Adj. Rod
0-04414-9	Adj. Rod Nut

VALVE PARTS (Serial #898843 and Up)

0-03192-2	Top Cap
0-03202-9	Bottom Cap
0-03238-3	#1, 2 or 3 Piston

Other parts are the same as the Ambassador Trumpet.

VALVE PARTS (Serial #898642 and Below)

0-03997-4	Plastic Valve Guide
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Nylon Spring Barrel is no longer available

BRACES

0-03132-8	1st Slide to Bell
0-03272-2	Conn Rod for Above
0-03122-9	1st Slide Spacer Brace

BELL

0-05035-1	Bell – Not Engraved
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PINTO TRUMPET (W-10)

A320	Finger Button
0-03911-5	Piston Stem
0-03238-3	#1, 2 & 3 Piston
0-03160-9	Bottom Cap
0-19225-2	Bell – Engraved for Reynolds Ranger

CUSTOM TRUMPET (P-12)

0-31247-0	1st Slide Assembly
0-31248-8	2nd Slide Assembly
0-31249-6	3rd Slide Assembly
0-31250-4	Tuning Slide Assembly

CUSTOM TRUMPET (P-12L)

0-03367-0	#1 Piston – single slot
0-03368-8	#2 Piston – single slot
0-03369-6	#3 Piston – single slot

AIDA (HERALD) TRUMPET (O-10)

MOUTHPIPE PARTS

A115	Receiver
0-04157-4	Mouthpipe

SLIDE PARTS

0-31252-0	1st Slide Assembly
0-04910-6	1st or 3rd Slide Crook
0-04912-2	2nd Slide Crook
0-04081-6	2nd Inside Slide Tubes
0-03632-7	Nib (Pull Knob)
0-04625-0	3rd Slide Waterkey
0-04450-3	Waterkey Nipple
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
A356	Waterkey Spring

VALVE PARTS

0-03196-3	Top Cap
0-03199-7	Bottom Cap

Other parts, including 1 slot pistons, are the same as the Ambassador Trumpet.

BRACES

0-03132-8	Mouthpipe to 1st Slide
0-03093-2	3rd Slide to Bell
0-03122-9	1st Slide Brace

FLUGEL HORN PARTS

OLDS FLUGEL HORN (L-12)

SLIDE PARTS

0-00974-6	Waterkey Screw
0-04450-3	Waterkey Nipple
0-03632-7	Nib (Pull Knob)
0-17080-3	3rd Slide Crook
0-31340-3	3rd Slide Assembly

VALVE PARTS

A320	Finger Button
0-03196-3	Top Cap
0-07181-1	Bottom Cap
A310	Valve Guide
0-31415-3	#3 Piston

1ST BRANCH PARTS

A317	Lyre Holder
0-04450-3	Waterkey Nipple
0-00974-6	Waterkey Screw
A356	Waterkey Spring
0-10353-1	Waterkey

OLDS - FULLERTON, CA

BELL

0-17240-3 Finger Hook
Bell is no longer available

OLDS TROMBONE PARTS (Fullerton, CA production)

AMBASSADOR TROMBONE (A-15)

INSIDE SLIDE PARTS

A138 Mouthpipe – Venturi
A133 Inside Slide Tube – Mouthpiece Side
A135 Inside Slide Tube – Bell Side
0-01881-2 Bell Lock Nut
0-02590-8 Brace – Male

OUTSIDE SLIDE PARTS

A134 Outside Slide Tube – Mouthpiece Side
A136 Outside Slide Tube – Bell Side
0-00461-4 Slide Tube Ring – Mpc. Side
0-00451-5 Slide Tube Ring – Bell Side
A137 Slide Lock Lug
0-00100-8 Crook Ferrule – Mpc. Side
0-00090-1 Crook Ferrule – Bell Side
0-00080-2 Crook
A140 Crook End Cap (Guard)
A341 Waterkey Assembly
0-01800-2 Waterkey Saddle
0-00974-6 Waterkey Screw
0-04450-3 Waterkey Nipple
A352 Waterkey Spring

BELL PARTS

0-01947-1 Tuning Slide Crook
0-01981-2 Balancer Screws
0-01945-5 Gooseneck
0-02350-7 Handslide Receiver
0-19274-0 Bell – Engraved – 7 1/2"

SPECIAL TROMBONE (L-15)

INSIDE SLIDE PARTS

Same as Ambassador Model A-15

OUTSIDE SLIDE PARTS

Same as Ambassador Model A-15

BELL PARTS

0-01981-2 Balancer Screws
0-01945-5 Gooseneck
0-02350-7 Handslide Receiver
0-02561-9 Bell Brace Flange
0-02571-8 Receiver Brace – Flange
0-02010-7 Brace Tube
0-19275-7 Bell – Engraved – 7 1/2"

OPERA TROMBONE (O-15)

INSIDE SLIDE PARTS

A141 Mouthpipe – Venturi
B220 Inside Slide Tube
0-16400-4 Cork Barrel Taper

OUTSIDE SLIDE PARTS

0-16280-0 Crook

BELL PARTS

0-16120-8 Lock Nut
0-16020-0 Gooseneck
0-16110-9 Handslide Receiver
0-16161-2 Receiver Brace Flange
0-19279-9 Bell – Engraved – 8 1/2"

OLDS CUSTOM TROMBONE (P6)

INSIDE SLIDE PARTS

0-01881-2 Bell Lock Nut

OUTSIDE SLIDE PARTS

0-00461-4 Slide Tube Ring – Mpc. Side
A137 Slide Lock Lug

BELL PARTS

0-02350-7 Handslide Receiver
0-02561-9 Main Brace – Bell
0-02010-7 Connecting Tube for Above

RECORDING TROMBONE (R-15)

INSIDE SLIDE PARTS

A138 Mouthpipe – Venturi
C-83082-8 Inside Slide Tube – Mouthpiece Side
0-11220-1 Inside Slide Tube – Bell Side
0-06541-7 Cork Barrel – Mpc. Side
0-01881-2 Bell Lock Nut

OUTSIDE SLIDE PARTS

A137 Slide Lock Lug
0-11080-9 Crook
0-06090-5 Crook Ferrule – Bell Side
A140 Crook End Cap
0-06160-6 Brace – Connecting Tube
A350 Waterkey Spring

BELL PARTS

0-06930-2 Gooseneck
0-02350-7 Handslide Receiver
0-06330-5 Tuning Slide Ferrule – Socket Sm Side
0-06320-6 Bell Ferrule – Socket Sm Side
0-06300-8 Bell Brace Flange – Large
0-19278-1 Bell – 8"

SUPER TROMBONE (S-15)

INSIDE SLIDE PARTS

A138 Mouthpipe – Venturi
A133 Inside Slide Tube – Mouthpiece Side
A135 Inside Slide Tube – Bell Side
0-01881-2 Bell Lock Nut
0-01855-6 Brace Tube

OUTSIDE SLIDE PARTS

0-01181-7 Outside Slide Tube – Mouthpiece Side
0-00461-4 Slide Tube Ring – Mpc. Side
0-00451-5 Slide Tube Ring – Bell Side
A137 Slide Lock Lug
0-00090-1 Crook Ferrule
A140 Crook End Cap (Guard)
0-02050-3 Brace Tube

BELL PARTS

0-02350-7 Handslide Receiver
0-02781-3 Receiver to Bell Brace
0-02301-0 Bell – 7 3/8"

STUDIO TROMBONE (T-15)

INSIDE SLIDE PARTS

A138 Mouthpipe – Venturi
A135 Inside Slide Tube - .538"
0-01881-2 Bell Lock Nut

OUTSIDE SLIDE PARTS

A136 Outside Slide Tube
0-00451-5 Slide Tube Ring
A137 Slide Lock Lug
0-00090-1 Crook Ferrule
A140 Crook End Cap (Guard)
0-02050-3 Brace Tube
A341 Waterkey Assembly
0-01800-2 Waterkey Saddle
0-00974-6 Waterkey Screw
0-04450-3 Waterkey Nipple
A352 Waterkey Spring

BELL PARTS

0-01947-1 Tuning Slide Crook
0-01945-5 Gooseneck
0-02350-7 Handslide Receiver
0-02561-9 Bell Brace Flange
0-02571-8 Receiver Brace Flange
0-02010-7 Brace Tube
0-19276-5 Bell – 7 1/2"

AMBASSADOR TROMBONE W/ F ATTACHMENT (A20)

INSIDE SLIDE PARTS

A138	Mouthpipe – Venturi
0-11220-1	Inside Slide Tube – Bell Side
0-11261-5	Cork Barrel – Bell Side
0-01881-2	Bell Lock Nut
A131	Brace Assembly
0-12171-5	Brace – Female

OUTSIDE SLIDE PARTS

0-11231-8	Outside Slide Tube – Mouthpiece Side
A137	Slide Lock Lug
0-11080-9	Crook
A140	Crook End Cap (Guard)
A341	Waterkey Assembly
0-01800-2	Waterkey Saddle
0-00974-6	Waterkey Screw
0-04450-3	Waterkey Nipple
A352	Waterkey Spring

BELL PARTS

0-02350-7	Handslide Receiver
0-19281-5	Bell – 8 1/2"

F ATTACHMENT PARTS

0-11150-0	Lever Saddle
0-11160-9	Bridge Screw
0-16782-5	Lever to Link Screw
A196	Link to Stop Arm Screw
A192	Cork Plate Screw
0-11213-6	Stop Arm Retaining Screw
0-08197-6	Rotor Screw
0-11040-3	Cap
0-16620-7	Valve Spring – Inside Mount – Round

Use the Following Parts on Instruments over #621860:

0-11112-0	Stop Pin
A196	Action Cap Screw – Small

OLDS TENOR TROMBONE W/F ATTACHMENT (O25)

INSIDE SLIDE PARTS

A141	Mouthpipe – Venturi
B220	Inside Slide Tube
0-16400-4	Cork Barrel Taper

OUTSIDE SLIDE PARTS

0-16280-0	Crook
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BELL PARTS

0-16110-9	Handslide Receiver
0-16120-8	Lock Nut
0-16161-2	Receiver Socket
0-19279-9	Bell – 8 1/2"

F ATTACHMENT PARTS

0-16782-5	Link to Stop Arm Screw
0-08197-6	Rotor Screw
0-11040-3	Cap
0-11112-0	Stop Pin
0-16620-7	Valve Spring – Inside Mount – Round

OLDS BASS TROMBONE Bb-F (P22)

BELL PARTS

0-16120-8	Bell Lock Nut
0-19289-8	Bell – 10"
Original Bell was 9" but is no longer available	

F ATTACHMENT PARTS

0-16572-0	2nd Branch Crook
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VALVE PARTS

0-08197-6	Rotor Screw
0-11112-0	Stop Pin
0-16620-7	Valve Spring – Inside Mount – Round

OLDS BASS TROMBONE Bb-F-G (P24G)

BELL PARTS

0-16120-8	Lock Nut
0-16066-3	Tuning Slide Crook

F ATTACHMENT PARTS

0-16572-0	2nd Branch Crook
0-08197-6	Rotor Screw
0-16620-7	Round Valve Spring – Inside mount
0-11112-0	Stop Pin

RECORDING TROMBONE W/F ATTACHMENT (R-20)

INSIDE SLIDE PARTS

Same as R-15 Recording

OUTSIDE SLIDE PARTS

Same as R-15 Recording

BELL PARTS

0-11351-4	Tuning Slide Crook
0-06930-2	Gooseneck
0-02350-7	Handslide Receiver
0-06300-8	Bell Brace Flange – Large
0-19282-3	Bell – 8 3/8"

SUPER BASS TROMBONE W/ Bb-F ATTACHMENT (S-20)

INSIDE SLIDE PARTS

B220	Outside Slide Tube – Mouthpiece Side
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BELL PARTS

0-16110-9	Handslide Receiver
0-16120-8	Bell Lock Nut

F ATTACHMENT PARTS

0-16782-5	Link to Stop Arm Screw
0-11040-3	Cap
0-11112-0	Stop Pin

ROBERTS TROMBONE W/ Bb-F ATTACHMENT (S-22)

OUTSIDE SLIDE PARTS

K865	Inside Slide Tube
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BELL PARTS

0-16120-8	Bell Lock Nut
0-19289-8	Bell – 10"

F ATTACHMENT PARTS

0-16782-5	Lever to Link Screw
0-11040-3	Cap
0-11112-0	Stop Pin
0-16620-7	Round Valve Spring – Inside Mount

OLDS BASS TROMBONE Bb-F-G ATTACHMENT (S-24G)

BELL PARTS

0-19336-7	Bell – Not Engraved – 9 1/2"
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SUPERSTAR TENOR TROMBONE W/ F ATTACHMENT (V-20)

INSIDE SLIDE PARTS

0-11220-1	Inside Slide Tube – Bell Side
0-11261-5	Cork Barrel – Bell Side
0-01881-2	Bell Lock Nut
0-12206-9	Brace – Female

OUTSIDE SLIDE PARTS

0-11231-8	Outside Slide Tube – Mouthpiece Side
A137	Slide Lock Lug
0-11080-9	Crook

BELL PARTS

0-02350-7	Handslide Receiver
0-05233-2	Lever Spring
0-11910-7	Bell – Not Engraved – 8 1/2"

F ATTACHMENT PARTS

0-16782-5	Link to Stop Arm Screw
A196	String Screw
0-08197-6	Rotor Screw
0-11040-3	Cap
0-11112-0	Stop Pin

OLDS - FULLERTON, CA

CUSTOM TROMBONE (P-15)

0-19288-0 Bell – Not Engraved – 8"

VALVE TROMBONE (O-20)

INSIDE SLIDE PARTS

0-00539-7 Mouthpipe – Venturi
0-11220-1 Inside Slide Tube – Bell Side
0-11261-5 Cork Barrel – Bell Side
0-01881-2 Bell Lock Nut

OUTSIDE SLIDE PARTS

0-11231-8 Outside Slide Tube – Mouthpiece Side
A137 Slide Lock Lug
0-11080-9 Crook
A140 Crook End Cap (Guard)
A341 Waterkey Assembly
0-01800-2 Waterkey Saddle
0-00974-6 Waterkey Screw
0-04450-3 Waterkey Nipple

BELL PARTS

0-02080-0 Rear Brace Socket – Sm Side
0-19287-2 Bell – 8 5/8"
0-02340-8 Bell – Not Engraved – 7 7/8"

VALVE SECTION PARTS

0-01410-0 Receiver Ferrule
0-00539-7 Mouthpipe – Venturi
0-04450-3 Waterkey Nipple
0-01800-2 Waterkey Saddle
0-00974-6 Waterkey Screw
A341 Waterkey Assembly
0-01600-6 Tuning Slide Crook
A140 Crook End Cap (Guard)
0-01300-3 Crook – 1, 2 or 3
0-03632-7 Pull Knob
A320 Finger Button
0-01210-4 Top Cap
0-01220-3 Bottom Cap
A310 Valve Guide
0-01242-7 #1 Piston
0-01243-5 #2 Piston
0-01244-3 #3 Piston

BRACES – VALVE SECTION

0-03132-8 1st Slide Spacer

OTHER PARTS

0-01330-0 3rd Valve Offset Tube
0-01391-2 Bell Lock Tube

OLDS MELLOPHONE PARTS

AMBASSADOR MELLOPHONE WITH F-Eb ROTOR (A-40, A-41 & A-43)

MOUTHPIPE PARTS

0-04450-3 Waterkey Nipple
0-04685-4 Waterkey Saddle
0-00974-6 Waterkey Screw

SLIDE PARTS

0-05080-7 2nd Slide Crook
0-03632-7 2nd Slide Nib
0-08310-5 Rotary Slide Crook
0-20733-2 "F" Tuning Slide Assembly

VALVE PARTS

S721 Valve Guide
0-03196-3 Top Cap
0-03199-7 Bottom Cap
0-07056-5 #2 Piston

BELL

0-07410-4 Bell
0-07413-8 Bell – A-41 – Straight Bell

OLDS FRENCH HORN PARTS

AMBASSADOR SINGLE FRENCH HORN F or Eb (A-45)

MOUTHPIPE PARTS

A171 Mouthpiece Receiver
0-09080-3 Mouthpipe Tube – only

SLIDE PARTS

0-08310-5 2nd Slide Crook
0-08273-5 3rd Slide Crook – Large Part
0-08271-9 3rd Slide Crook – Small Part
0-08320-4 Tuning Slide Crook
0-08510-0 Outside Slide Tubing 28"
0-09962-2 Eb Slide Complete

VALVE SECTION PARTS

0-08197-6 Stop Arm Retaining Screw
A196 Stop Arm String Screw
A192 Cork Plate Screw
A194 Lever String Screw
0-08370-9 Lever Hinge Screw
A197 Lever Hinge Screw Nut
0-08363-4 Bracket Screw
0-08120-8 Back Bearing – 1, 2 or 3
A199 Rotor Stop Rubber (1')
* Stop arms and cork plates are obsolete *

BRACES

A182 Main Bell Brace
A183 Mouthpipe Brace

OTHER

A317 Lyre Holder
A185 Protective Cap – Bell
0-08600-9 Thumb Ring
0-08810-4 3rd Branch Ferrule

AMBASSADOR FRENCH HORN – Bb (A-48)

0-08260-2 Small 3rd Slide Crook
0-03632-7 First Slide Pull Knob
0-05080-7 1st & 2nd Slide Crook
For Other Parts – See A-45 Single

AMBASSADOR DOUBLE FRENCH HORN F-Bb (O-45)

MOUTHPIPE PARTS

A171 Mouthpiece Receiver
0-09084-5 Mouthpipe

SLIDE PARTS

0-08260-2 Bb – 3rd Medium Crook
0-05080-7 Bb – 3rd Small Crook
Other Crooks & Tubing – Same as A-45 Single

VALVE SECTION PARTS

0-08124-0 Back Bearing – 1, 2 or 3
0-08130-7 Back Bearing – 4
A188 Lever Spring – 4
0-08241-2 4th Valve Cork Plate
Other Valve Section Parts – Same as A-45 Single

BRACES

Same as A-45 Single

OLDS ALTO HORN PARTS

A-44 AMBASSADOR ALTO HORN

0-15310-6 1st Slide Crook
0-03632-7 Slide Pull Knob
0-03350-6 Eb Tuning Slide Crook

WATERKEY PARTS

S711 Waterkey
A356 Waterkey Spring
0-04685-4 Waterkey Saddle
0-04450-3 Waterkey Nipple

VALVE PARTS

S721	Valve Guide
0-03196-3	Top Cap
0-03199-7	Bottom Cap

OLDS MARCHING HORN PARTS

Same as Marching Brass – listed in Bach Section

OLDS BARITONE HORN PARTS

A-25, A-30, A-31, A-35, T-25, T-26 & T-30
All other parts same as 1566 Bundy/Bach
Baritone Horn

VALVE SECTION PARTS

0-10181-6	#4 Piston
A310	Valve Guide
Other pistons are obsolete.	

OTHER

0-10574-2	Bell Ring – Male
A153	Bell Screw & Flange
0-47009-1	Bell Up Assembly – Ambassador - Lacquered – Not Engraved
0-04710-9	Bell Front Assembly – Studio – Lac
0-10505-6	Bell Front – Studio – Not Engraved

OLDS SOUSAPHONE PARTS

BBb BRASS SOUSAPHONE (O-95)

MOUTHPIPE PARTS

0-13064-1-S	Tuning Bit – Silver – Pair
0-13064-1	Tuning Bit – Lacquered – Pair
0-13248-0-S	Upper Mouthpipe – Silver
0-13248-0	Upper Mouthpipe – Lacquered
0-13260-5	Lower Mouthpipe – solders on
0-13263-9	Lower Mouthpipe Receiver
A446	Lower Mouthpipe Wing Screw
A907	Upper Mouthpipe Tube – Only

SLIDE PARTS

0-13140-9	Tuning Slide Crook
0-13770-3	1st Top or 3rd Lower Crook
0-13760-4	3rd Slide Top Crook
0-13173-0	3rd Outside Tubing – Long
0-13175-5	3rd Inside Tubing
0-10353-1	Waterkey
0-00974-6	Waterkey Screw
A356	Waterkey Spring
S909	Waterkey Saddle
0-20820-7	1st Lower Slide Ass'y

VALVE SECTION PARTS

A327	Finger Button
S914	Top Cap
S915	Bottom Cap
S917	Valve Stem
S721	Valve Guide
A383	Valve Spring
S910	#1 Piston w/ stem
S911	#2 Piston w/ stem
S912	#3 Piston w/ stem

BRACES

0-13392-6	1st to 3rd Branch Brace
0-14204-2	Brace Socket – Threaded – Lg Flange – Angled
0-14205-9	Brace Socket – Threaded – Angled – Short
A143	Brace Socket – Receiver & Other
0-13214-2	Connecting Rod – 2nd to Rec'r
0-13218-3	Connecting Rod – 1st to Rec'r
0-13215-9	Connecting Rod – Straight – Long
0-14205-9	Brace Socket – T.S. Tube
Other Brace Parts – Same as O-96 Sousaphone	

OTHER

0-13079-9	Bell Screw
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BBb FIBERGLASS SOUSAPHONE (O-96)

MOUTHPIPE PARTS

Same as O-95 Brass

SLIDE PARTS

Same as O-95 Brass

VALVE SECTION PARTS

Same as O-95 Brass

BRACES

0-14384-2	Name Plate Brace (Bell)
0-14331-3	Name Plate Brace Screw (2 needed)
0-14371-9	Name Plate Brace Nut
0-13214-2	Mpipe Brace Conn Rod
0-13218-3	Mpipe Brace Conn Rod
A143	3rd Slide Brace Socket
0-14261-2	Brace Socket – Threaded, Long, Angled
0-14232-3	Detach Rod w/Nuts
0-14292-7	Detach Brace – Short
0-14282-8	Detach Brace – Long, 3rd Slide
0-14321-4	Detach Brace Screws
0-14181-2	Threaded Stud & Flange – 3rd Slide
0-14324-8	4th Clamp – On Screw
0-13041-9	4th Branch Detachable Brace Nut
0-14323-0	4th Branch Screw
0-14205-9	Brace Socket – Threaded, Angled
0-13392-6	1st to 3rd Branch Brace

VALVE SECTION BRACES

Same as O-95 Brass Sousaphone

OTHER PARTS

0-13127-6	5th Branch Offset
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OLDS TUBA PARTS

TUBA (O-99) – 3/4 SIZE – SMALL BORE (Attached Bell)

All parts same as Bach Model 869 Tuba – listed in Bach Section.

BBb RECORDING BASS (O-98) – FULL SIZE (Detachable bell)

MOUTHPIPE PARTS

A221	Receiver
A222	Mouthpipe – Straight & Filled

SLIDE PARTS

0-13830-5	Pull Knob
0-13140-9	Tuning Slide Crook
0-13770-3	Upper 1st or Lower 3rd Crook
0-13760-4	Upper 3rd Crook
Waterkeys are the same as O-95 BBb Sousaphone	

VALVE SECTION PARTS

Same as O-95 BBb Sousaphone

REYNOLDS - FULLERTON, CA

REYNOLDS (Fullerton, CA production)

CONTEMPORA CORNET (CR-11)

MISCELLANEOUS PARTS

0-04157-4	Mouthpipe
0-04617-7	Waterkey – Mouthpipe
0-05128-4	Mouthpipe to Valve Brace
0-19263-3	Bell

VALVE PARTS – Same as Argenta Cornet

MOST OTHER PARTS – See Contempora trumpet

ARGENTA CORNETS (CR-26 & CR-29) NICKEL PLATED

SLIDE PARTS

0-04353-9	1st Slide Trigger Bar
0-05345-4	1st Slide Saddle Screw
0-04818-1	3rd Slide Push Rod
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
A356	Waterkey Spring
0-04625-0	3rd Slide Waterkey

VALVE PARTS

0-03411-6	Finger Button
0-03175-7	Top Cap
0-03176-5	Bottom Cap
0-03916-4	Piston Stem
0-04113-7	Valve Spring
0-03991-7	Guide Star
0-31410-4	#1 Piston
0-31411-2	#2 Piston
0-31412-0	#3 Piston

EMPEROR CORNET (CR-52)

MOUTHPIPE PARTS

0-04142-6	Mouthpipe
A119	Finger Hook
0-04454-5	Waterkey Nipple
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
A356	Waterkey Spring
0-04628-4	Waterkey

SLIDE PARTS

0-04801-7	Main Tuning Crook
0-05080-7	1st or 3rd Crook
0-04414-9	Stop Nut
0-04450-3	Waterkey Nipple
A356	Waterkey Spring
0-04625-0	3rd Slide Waterkey

VALVE PARTS

A320	Finger Button
0-03197-1	Top Cap
0-03206-0	Bottom Cap
0-03916-4	Piston Stem
0-04113-7	Valve Spring
0-03991-7	Guide Star
0-31407-0	#1 Piston

BELL

0-19259-1	Bell
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MEDALIST CORNET (CR-58)

MOUTHPIPE PARTS

A123	Mouthpiece Receiver
0-04454-5	Waterkey Nipple
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
A356	Waterkey Spring
0-04628-4	Waterkey

SLIDE PARTS

0-04801-7	Main Tuning Slide Crook
0-05080-7	1st or 3rd Crook
0-04414-9	Stop Nut
0-04450-3	Waterkey Nipple
0-00974-6	Waterkey Screw
A356	Waterkey Spring
0-04625-0	3rd Slide Waterkey

VALVE PARTS

A320	Finger Button
0-03197-1	Top Cap
0-03206-0	Bottom Cap
0-03916-4	Piston Stem
0-04113-7	Valve Spring
0-03991-7	Guide Star
0-31407-0	#1 Piston

BELL

0-19260-9	Bell
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CONTEMPORA TRUMPET (TU-11)

SLIDE PARTS

K227	Main Tuning Slide Crook
0-05349-6	Stud Screw
0-04353-9	Trigger Bar
0-05235-7	Lever Spring
0-05345-4	Bridge Screw
0-31288-4	2nd Slide Assembly
0-04414-9	Stop Nut
0-04625-0	3rd Slide Waterkey
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
A356	Waterkey Spring

VALVE PARTS

0-03175-7	Top Cap
0-03176-5	Bottom Cap
0-03916-4	Piston Stem

0-04113-7	Valve Spring
0-03991-7	Guide Star
0-31193-6	#1 Piston
0-31194-4	#2 Piston
0-31195-1	#3 Piston

ARGENTA TRUMPET (TU-26 & TU-29)

SLIDE PARTS

0-31283-5	2nd Slide Assembly
0-04633-4	Main TS Waterkey
0-04685-4	Waterkey Saddle
0-00974-6	Waterkey Screw
A356	Waterkey Spring
0-04625-0	3rd Slide Waterkey

1ST SLIDE TRIGGER PARTS

0-05439-5	Trigger
0-05349-6	Stud Screw
0-04353-9	Trigger Bar
0-05235-7	Lever Spring
0-05345-4	Bridge Screw

VALVE PARTS

0-03411-6	Finger Button
0-03175-7	Top Cap
0-03176-5	Bottom Cap
0-03916-4	Piston Stem
0-04113-7	Valve Spring
0-03991-7	Guide Star
0-31193-6	#1 Piston
0-31194-4	#2 Piston
0-31195-1	#3 Piston

EMPEROR TRUMPET (TU-52)

SLIDE PARTS

K227	Main Tuning Slide Crook
0-05834-7	Main TS Inside Tube
0-04910-6	1st or 3rd Crook
0-04912-2	2nd Slide Crook
0-31279-3	2nd Slide Assembly
0-04414-9	Stop Nut
0-04625-0	3rd Slide Waterkey
0-04685-4	Waterkey Saddle
0-04450-3	Waterkey Nipple
0-00974-6	Waterkey Screw
A356	Waterkey Spring

VALVE PARTS

A320	Finger Button
0-03197-1	Top Cap
0-03206-0	Bottom Cap
0-03916-4	Piston Stem
0-04113-7	Valve Spring
0-03991-7	Guide Star
0-31190-2	#1 Piston
0-31191-0	#2 Piston
0-31192-8	#3 Piston

MISCELLANEOUS TRUMPET PARTS

CLARIN ERA TRUMPET (TU-08)

0-03361-8	#1 Piston
0-03362-1	#2 Piston
0-03363-9	#3 Piston

RANGER TRUMPET (TU-70)

0-17898-8	Finger Button
0-03160-9	Bottom Cap
0-03238-3	#1, #2 or #3 Piston
0-19225-2	Bell Assembly – Chrome Plated

EMPEROR FLUGEL HORN (FU-52)

3RD SLIDE PARTS

0-17080-3	Crook
0-04450-3	Waterkey Nipple
0-00974-6	Waterkey Screw
A356	Waterkey Spring
0-31340-3	3rd Slide Assembly

VALVE PARTS

A320	Finger Button
0-03196-3	Top Cap
0-07181-1	Bottom Cap
A310	Valve Guide
0-31415-3	#3 Piston

BELL

0-19269-0	Bell – Engraved
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MEDALIST (TO-58) & EMPEROR (TO-52) TROMBONES

INSIDE SLIDE PARTS

A138	Mouthpipe – Venturi
A133	Inside Slide Tube – Mpc. Side
A135	Inside Slide Tube – Bell Side
0-01881-2	Bell Lock Nut

OUTSIDE SLIDE PARTS

A134	Outside Slide Tube – Mpc. Side
A136	Outside Slide Tube – Bell Side
0-00461-4	Slide Tube Ring – Mpc Side
0-00451-5	Slide Tube Ring – Bell Side
0-00753-4	Slide Lock Catch
0-00100-8	Crook Ferrule – Mpc. Side
0-00090-1	Crook Ferrule – Bell Side
0-00080-2	Crook
A140	Crook Guard
0-02481-0	Brace

A341	Waterkey Assembly
0-01800-2	Waterkey Saddle
0-00974-6	Waterkey Screw
0-04450-3	Waterkey Nipple
A352	Waterkey Spring

BELL PARTS

0-01947-1	Tuning Slide Crook (Medalist)
0-01945-5	Gooseneck (Medalist)
0-02350-7	Bell Receiver – Female
0-02571-8	Receiver Brace Socket
0-02561-9	Large Bell Brace Socket
0-02010-7	Bell Brace Conn Tube
0-19293-0	Bell – Engraved (Medalist) 7 1/2"
0-19294-8	Bell – Engraved (Emperor) 7 1/2"

CONTEMPORA TROMBONE W/ F ATTACHMENT (TO-11 & TO-12)

INSIDE SLIDE PARTS

0-31054-0	Cork Barrel – Bell Side
0-11641-8	Cork Barrel Taper
0-12212-7	Slide Lock Nut
0-02050-3	Brace Tube

OUTSIDE SLIDE PARTS

0-00080-2	Crook
0-00753-4	Slide Lock Catch
0-16217-2	Brace Tube
0-16296-6	Brace Socket

BELL PARTS

0-16121-6	Bell Lock Ring
0-19296-3	Bell – (TO-11 or 12)

F ATTACHMENT PARTS (TO-12)

0-11102-1	Stop Arm
0-08197-6	Stop Arm Screw
A192	Cork Plate Screw
0-08238-8	Cork Plate
0-11040-3	Rotor Cap

MEDALIST TROMBONE W/ F ATTACHMENT (TO-57)

INSIDE SLIDE PARTS

Same as TO-11 & TO-12 Trombone

OUTSIDE SLIDE PARTS

Same as TO-11 & TO-12 Trombone

BELL PARTS

0-19297-1	Bell – Old Style 8 1/2"
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CONTEMPORA SINGLE TROMBONE TO-02 DOUBLE BASS TROMBONE (TO-01)

MISCELLANEOUS PARTS

0-16164-6	Handslide Receiver
0-16023-4	Gooseneck (Both)
0-16279-2	Hand Slide Crook (Both)

TV-28 VALVE TROMBONE

MISCELLANEOUS PARTS

0-01330-0	3rd Valve Offset Crook
0-11641-8	Taper – Male
0-01210-4	Top Cap
A310	Valve Guide
0-03132-8	3rd Slide Brace
A341	Waterkey Assembly
0-00974-6	Waterkey Screw
0-01800-2	Waterkey Bridge
Other parts same as Olds O-20 valve trombone	

CONTEMPORA DOUBLE FRENCH HORN – F/Bb – NICKEL SILVER (FE-01)

0-09653-7	Outside 3rd Slide Tube
0-08251-1	1st Slide Crook F
0-08455-8	#1 Lever
For other parts See Olds FE-03 & FE-12	

CONTEMPORA DOUBLE FRENCH HORN – F/Bb – BRASS (FE-03)

0-08239-6	4th Rotor Cork Plate
0-08165-3	4th Rotor Cap
For other parts see Olds FE-12	

CONTEMPORA SINGLE FRENCH HORN – F – BRASS (FE-12)

MOUTHPIPE PARTS

0-09105-8	Receiver
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SLIDE PARTS

0-08310-5	2nd Slide Crook
0-09491-2	1, 2 or 3 Outside Slide Tubes

VALVE SECTION PARTS

0-08498-8	#2 Lever
0-08363-4	Bridge Screw
A188	Lever Spring
0-08374-1	Lever Hinge Screw
A197	Hinge Screw End Nut
A192	Stop Arm String Screw
0-08197-6	Stop Arm Screw
A192	Cork Plate Screw
0-08186-9	Rotor Cap

* Stop arms and cork plates are no longer available *

REYNOLDS - FULLERTON, CA

EMPEROR SINGLE FRENCH HORN – F – BRASS (FE-56)

MOUTHPIPE PARTS

0-09080-3 Mouthpipe Tube
A171 Mouthpiece Receiver

SLIDE PARTS

0-08320-4 Tuning Slide Crook
0-08310-5 2nd Slide Crook
0-08271-9 3rd Slide Crook – Small
0-08273-5 3rd Slide Crook – Large

VALVE SECTION PARTS

0-08363-4 Bridge Screw
A196 String Screw
A197 Hinge Screw End Nut
A192 Cork Plate Screw
Other valve section parts same as A-45 Olds French horn

EMPEROR SINGLE FRENCH HORN – Bb – BRASS (FE-57)

SLIDE PARTS

0-08260-2 3rd Slide Crook – Medium
For Most Other Parts See FE-56

MELLOPHONE (ML-11) (Curved Bell)

0-05080-7 2nd Slide Crook
0-08310-5 Rotary Slide Crook
0-03197-1 Top Cap
0-03206-0 Bottom Cap
0-07056-5 #2 Piston
0-07411-2 Bell

MARCHING MELLOPHONE (ML-13) (Straight Bell)

VALVE PARTS

0-03428-0 Finger Button
0-03197-1 Top Cap
0-03206-0 Bottom Cap
0-03911-5 Piston Stem
0-04113-7 Valve Spring
0-03991-7 Guide Star

BRACES

0-03550-1 Tuning Slide to 2nd Valve
Other parts same as 887 Bach Marching Mellophone

REYNOLDS ALTO HORN (AT-11)

SLIDE PARTS

0-15310-6 1st Valve Crook – Upper
0-05080-7 1st or 2nd Slide Crook

0-03350-6 3rd Slide Crook – Upper
S711 Waterkey
0-00974-6 Waterkey Screw
0-04685-4 Waterkey Saddle
0-04450-3 Waterkey Nipple

VALVE PARTS

0-03197-1 Top Cap
0-03206-0 Bottom Cap

BELL

0-65009-1 Bell Assembly

EMPEROR BARITONE HORN PARTS (BR-56, BR-57 & BR-58)

Parts not listed see Bach/Bundy Baritone Horn

MISCELLANEOUS PARTS

A324 Finger Button
0-10181-6 #4 Piston

CONTEMPORA BARITONE HORNS (BR-01, BR-05 & BR-06)

Parts not listed see Bach/Bundy Baritone Horn

BELL

0-10514-8 Bell Front Only – Stationary

CONTEMPORA BBb SOUSAPHONE BRASS (SU-11)

MOUTHPIPE PARTS

0-13064-1-S Tuning Bits – Silver (pair)
0-13064-1 Tuning Bits – Lacquer (pair)
0-13248-0-S Upper Mouthpipe – Silver
0-13248-0 Upper Mouthpipe – Lacquer
0-13263-9 Lower Mouthpipe Receiver
A445 Mouthpipe Receiver Screw
0-13260-5 Lower Mouthpipe Tube – solders on

SLIDE PARTS

0-13140-9 Main Tuning Slide Crook
0-13770-3 1st Slide Crook – Upper
0-13760-4 3rd Slide Crook – Upper – Both
0-13770-3 3rd Slide Crook – Lower
0-13830-5 Pull Knob
0-10353-1 Waterkey – Main or 3rd
0-00974-6 Waterkey Screw
A356 Waterkey Spring
0-13173-0 3rd Outside Slide Tube – Long
0-13175-5 3rd Inside Slide Tube – Long

VALVE SECTION PARTS

A327 Finger Button
0-13522-8 Top Cap

0-13548-3 Bottom Cap
S917 Valve Stem
S910 #1 Piston w/ stem
S911 #2 Piston w/ stem
S912 #3 Piston w/ stem

BRACES

0-13215-9 Tuning Slide Brace Rod
0-18194-1 Tuning Slide to 4th Branch Brace Rod
0-13218-3 1st Slide to Mouthpipe Brace Rod
0-13214-2 2nd Slide to Mouthpipe Brace Rod

OTHER

0-13127-6 Tuning Slide Offset Branch
0-13079-9 Bell Screw

CONTEMPORA BBb SOUSAPHONE (SU-14) FIBERGLASS

0-14323-0 Brace Screw
0-14282-8 Detach Brace – Long
0-14321-4 Detach Brace Screw
0-13041-9 Detach Brace Nut
0-14331-3 Nameplate Brace Screw
For other parts see SU-11

REYNOLDS TUBAS & RECORDING BASS PARTS

Parts not listed same as 869 Bach 3 & 4 Valve Tuba

ALL BBb REYNOLDS RECORDING BASSES

A327 Finger Button
0-13522-8 Top Cap
0-13548-3 Bottom Cap
A384 Valve Spring
0-10353-1 Waterkey
0-00974-6 Waterkey Screw
A356 Waterkey Spring
0-13079-9 Bell Screw

TB-15 Eb BASS

S910 #1 Piston w/ stem
S911 #2 Piston w/ stem
S912 #3 Piston w/ stem

SCHILKE TRUMPET PARTS

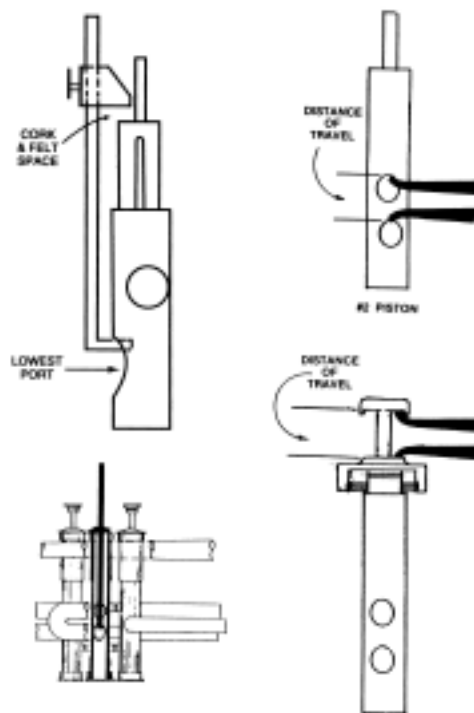
VALVE SECTION PARTS

X101	Finger Button
X102	Top Cap
X103	Bottom Cap
X104	Valve Spring - 7 oz.
X105	Valve Spring - 9 oz.
X106	Valve Stem - after '82
X107	Valve Guide

SLIDE PARTS

X109	3rd Slide Ring - Custom
X111	3rd Slide Stop Screw
X112	Waterkey
X113	Waterkey Screw
X115	Waterkey Spring

T1428 TOOL USAGE



Bending Mouthpipes

Brass tubing filled with pitch should not be bent unless the temperature of the pitch is approx. 70°F. The pitch is a mixture of tar and resin and wax. The proportions are determined with 70°F in mind.

What does this mean? During hot weather the pitch softens which allows the tubing to become out-of-round or even collapse when bent. Easy solution: Cool the tubing in water to reduce the temperature and then immediately bend.

During cold weather the pitch becomes too hard and brittle. The tubing will not bend uniformly and small pimples on the surface will result. Easy solution: Warm the tubing in water to 70°F. Be careful not to warm too much.

This is the reason manufacturers control the temperature in their bending departments.

Valve Instrument Playing Condition Tips

After removing the slides and pistons the instrument should be immersed in a cleaner to remove the oil, grease, lime and "green crud". Care must be taken not to damage the lacquer finish. An excellent solution is our Slime-Away. After rinsing in hot water, blow dry. Swab the interior of the valve casings to remove any remaining foreign matter.

Smooth valve action can be restored by hand lapping. If a water soluble lapping compound is used, it can be cleaned using hot water and detergent. Pumice and oil can be used if a hot degreaser is available.

The lengths of the valve stems should always be checked to make sure they are the same. The valve stems on bottom action pistons can be lengthened by turning them out of the piston and soft soldering in place. Top action rods must be replaced or in an emergency a shim can be added under the finger button.

The distance of travel of the piston is adjusted by using cork and felt washers. The correct up-position is determined by measuring the distance between the bottom valve casing port and the top of the valve casing. This measurement is taken using our tool T1428. 1). Drop the tool "hook" end into the second valve casing. "Hook" the lowest port of the casing that connects one casing to another. 2). Holding the tool to the very top of the port, drop the slide portion of the tool to the top of the valve casing and tighten knurled screw. 3). Now take the tool to the 2nd piston. "Hook" the tool in the top of the lowest port in the piston. Hold the tool parallel to the piston. The space between the slide portion of the tool and the base of the piston stem, will be the space needed, to have cork and felt placed, for proper alignment when in the upstroke position. Install enough cork and felt to equal this measurement. The amount of cork and felt in every valve instrument should be determined by using this method. Certainly do not depend upon the thickness of the old cork and felt. It probably is not the correct thickness. See illustration.

The thickness of felt used in the top cap or under the finger button is determined by the distance from the top of the #2 piston valve to valve porthole to the top of the porthole directly above. If the tips of an inside caliper are adjusted to this distance, the measurement is quickly transferred to the amount of travel required between the top cap and finger button. See illustration.

Apply lanolin to top and bottom cap threads and oil pistons.

Check and replace waterkey springs and corks where necessary.

The slides should also be lubricated using lanolin (A7204) because valve oil will not break it down. It loosens tight slides and helps tighten loose slides. Slides with triggers or push rods should be lubricated with vaseline.

Brass instruments may be tested for leaks by using a rubber ball to plug the bell or by using a cork or rubber stopper to plug the small side of the tuning slide tube of baritones or tubas. Smoke testing can readily locate solder joint leaks. However, if smoke is used to determine valve leakage it can be very deceptive and is not recommended. Smoke also leaves an objectionable odor. The preferred method is applying two to six pounds of air pressure than can be gauged.

Instruments should be play tested. Depress the valves individually to make sure each is properly aligned both vertically and horizontally.

SELMER/BUNDY

SELMER MODEL 61 CORNET

Made in Paris

S330	Waterkey (Internal Spring)
S425	Waterkey Nipple
S444	#1 Piston
S446	#3 Piston
S468	Bell - Engraved

SELMER MODEL 69 TRUMPET

Made in Paris

S452	Mouthpipe Tube (K modified)
S447	1st Slide Thumb Hook
S448	#1 Piston - .666"
S1050	Top Cap – Internal threads
S1051	Bottom Cap – Internal threads
S469	Bell – Bb trumpet
S681	Bell – D trumpet

SELMER MODEL 72 TROMBONE

Made in Paris

S471	Venturi Tube
S432	Cork Barrel – Mouthpiece Side
S431	Cork Barrel Cross Brace
S437	Crook with Guard

Selmer U.S.A. no longer imports French Selmer brass instruments. Parts not listed by Allied can be ordered direct from:

Henri Selmer Cie
18 Rue de la Fontaine au Roi
F-75011
Paris, France

BUNDY II MODEL 1206 FLUTE PLATEAU MODEL (Covered Holes)

Specify Nickel or Silver

BODY PARTS

S381	Body – Less Keys – Nickel
S382	Body – Less Keys – Silver
S831	C Foot – Less Keys – Nickel
S832	C Foot – Less Keys – Silver
S833	Head – Nickel
S834	Head – Silver
S420	Barrel Joint – Nickel
S421	Barrel Joint – Silver

SCREWS & SHAFTS (Hinge Rods)

Same as 1290 flute

KEYS (Finger Depression w/Ring)

S835	Trill Section Complete
S839	Left Hand Section Complete

S843	Right Hand Section Complete *Does not include D Key*
S836	C# - D# Trill Key
S837	C-D Trill Key
S838	C# - D# Trill Spatula
S840	Bb Key
S841	A Key
S842	Aux Bb Key
S844	F# Key
S845	F Key
S846	E Key
S847	D Key
S848	C Key (Body Joint)
S849	B Thumb Key
S893	Bb Thumb Lever
S894	G Key
S895	G# Key
S896	D# Key (Foot Joint)
S897	C# Key (Foot Joint)
S898	C Key (Foot Joint)

OTHER PARTS

Same as 1290 flute

BUNDY MODEL 1290 FLUTE PLATEAU MODEL (Covered Holes)

Specify Nickel or Silver

BODY PARTS

S381	Body – Less Keys – Nickel
S382	Body – Less Keys – Silver
S383	C Foot – Less Keys – Nickel
S384	C Foot – Less Keys – Silver
S385	Head Joint – Nickel
S386	Head Joint – Silver
S420	Barrel Joint – Nickel
S421	Barrel Joint – Silver

SHAFTS (Hinge Rods)

S354	Foot Joint Key Shaft
S319+	Trill Shaft
S312	C Shaft
S313+	Left Hand Shaft
S314+	Right Hand Shaft
S315	GA Key Shaft
S316	Thumb Shaft
S317	G# Shaft

+ Not drilled for knock pins - you must drill

SCREWS

S320	Regulating Screws
S321	Pivot Screws
A255	Flat Spring Screws
S329	C Roller Screw – Foot Joint
S1005	Pivot Screw – All “FL” Model Flutes (Selmer)

KEYS (Smooth Depression Only)

S387	Trill Section Complete
S388	Left Hand Section – Complete

S389	Right Hand Section – Complete *Does not include D Key*
S623	C#-D# Trill Key
S624	C-D Trill Key
S625	C#-D# Trill Spatula
S626	Bb Key
S627	A Key
S628	Aux Bb Key
S629	F# Key
S630	F Key
S631	E Key
S410	D Key
S390	C Key (Body Joint)
S391	B Thumb Key
S893	Bb Thumb Lever
S393	G Key
S394	G# Key
S395	D# Key (Foot Joint)
S396	C# Key (Foot Joint)
S632	Stop Plate – Right Hand Section

OTHER PARTS

A280-S	Head Crown – Silver – 6 X 32
A280-N	Head Crown – Nickel – 6 X 32
A283	Head Crown w/Cork Assembly – 8 X 32
A474	Head Cork
S356	Double Pivot Bearing – for center post
A284	Pad Spuds – solders into pad cups
A286	Pad Washer
A285	Pad Screw
S324	Nylon Pad Snaps (Set of 13)
S326	C Roller – Foot Joint
J158	Pinning Needles

BUNDY MODEL 1286S FLUTE FRENCH MODEL (Open Hole)

BODY PARTS, SHAFTS (Hinge Rods) & SCREWS

Same as 1290 flute

KEYS

S786	Left Hand Section – Complete
S787	A Key
S788	G Key
S789	Right Hand Section – Complete
S790	F Key
S791	E Key
S792	D Key

OTHER

S322	Open Hole Grommets (retaining rings)
J145	Open Hole Plugs (set of 6, translucent rubber)
Other keys & parts same as 1290 flute	

BUNDY II/SELMER MODEL 1236S & FL210 FLUTE - Open Hole

Specify Nickel or Silver

BODY PARTS

S987 B Foot – Less Keys
Other body parts same as 1290 flute

SHAFTS (Hinge Rods) & SCREWS

Same as 1290 flute

KEYS

S988 Left Hand Section – Complete
S989 A Key
S990 G Key
S991 Right Hand Section – Complete
S992 F Key
S993 E Key
S994 D Key
S995 C# Key – B Foot
S996 D# Key – B Foot
S997 C Key – B Foot
S998 Low B Key – B Foot

BUNDY MODEL 1250 & SELMER MODEL PC310 PICCOLO – METAL BODY

BODY PARTS

S886 Body Section – Less Keys
Head crown, head crown assembly & cork same as 1450 piccolo

SCREWS

Are no longer available

KEYS

S887 Trill Section – Complete
S888 Right Hand Section – Complete
S889 Left Hand Section – Complete
S890 C Key
S891 G# Key
S892 D# Key
S1065 D Key
S1066 B Thumb Key

BUNDY MODEL 1450 & SELMER MODEL PC300 PICCOLO PLASTIC BODY

BODY PARTS

S422 Head Joint Complete – Resonite
S879 Body Section – Resonite

S401 Head Crown – Plated
S423 Head Crown – Resonite
A468 Head Cork
S1071 End Ring

SCREWS

Are no longer available

KEYS

S880 Trill Section – Complete
S881 Right Hand Section – Complete
S882 Left Hand Section – Complete
S883 C Key
S884 G# Key
S885 D# Key
S1068 D Key
S1069 B Thumb Key
S1070 Bb Thumb Key

CLARINET

BUNDY/SELMER MODEL 1400 Bb CLARINET

BODY PARTS

All Joints are less keys but have posts & springs
S110 Upper Joint – Shiny
S110-B Upper Joint – Brushed
S110-E Upper Joint – Engraved “Elkhart” - Brushed
S113 Lower Joint – Shiny
S113-B Lower Joint – Brushed
S118 Barrel Joint – Shiny – 65.5mm – Standard
S118-B Barrel Joint – Brushed – 65.5mm
S950 Barrel Joint – 60.5mm
S951 Barrel Joint – 62.5mm
S952 Barrel Joint – 64.5mm
S119-B Bell – Brushed – Current Production
S119 Bell – Shiny – Rec'r I.D. 1.07" – Current Prod.
S976-2nd Bell – Shiny – Rec'r I.D. 1.04"

KEYS

S360 Register Key
S361 C Trill Key
S362 Bb Trill Key
S363 A Key
S364 Top G# Key
S365 F# Ring Key
S366 Thumb Ring Key
S367 F# Trill Key
S368 A-D Ring Key
S369 Eb-Bb Trill Key
S370 Eb-Bb Aux Key
S371 Curved C#-G# Key
S372 Lower Ring Key
S373 F-C Lever
S374 B-F# Key
S375 E-B Lever

S376 F# - C# Lever
S377 Ab-Eb Key
S378 Low F-C Key
S379 F# - C# Key
S380 Low E-B Key
S120 Upper Bridge Casting
S121 Lower Bridge Casting

MAZZEO SYSTEM

(Parts will be obsolete when gone)

S1094 F# Ring Key
S1095 Thumb Key
S1096 A/D Ring Key
S1097 Bb Key
S1098 Rocker
S1099 Trill Key Lever Assembly
S959 Adjusting Screen

SCREWS

S115 Pivot Screw – pilot point
S1005 Pivot Screw – pointed, no head
S117 Regulating Screws
A270 Thumb Rest Screws
A256 Post Locking Screws
A255 Flat Spring Screws
S953 Ligature Screws

SHAFTS (Hinge Rods)

S954 A Key
S955 G# Key
S956 E-B Lever
S957 F# Ring Key
S958 Eb-Bb Aux Key
S960 F# - C# Lever
S961 Register Key
S962 Thumb Key
S963 C Trill Key
S964 F# Trill Key
S965 Eb-Bb Trill Key
S966 C# - G# Key
S967 B-F# Key
S968 Ab-Eb Key/Low F-C Key
S142 Hinge Screw Set

OTHER PARTS

A254 Thumb Rest
A428 Thumb Rest Pads
S1140 Adjustable Thumb Rest – complete
S145 Hard Rubber Tone Hole Insert (Set of 5)
S203 Register Vent Tube
S204 Thumb Tube
S982 Upper Barrel Ring
S983 Lower Barrel Ring
S984 Center Joint Ring
S985 Upper Bell Ring
S949 Trill Key Guide

SELMER/BUNDY

BUNDY/SELMER MODEL 1401 Bb CLARINET ("577" stamped on upper joint)

S970	Upper Joint – Less Keys
S971	Lower Joint – Less Keys
S972	Barrel Joint – 65.5 mm – Standard
S973	Barrel Joint – 60.5 mm
S974	Barrel Joint – 62.5 mm
S975	Barrel Joint – 64.5 mm
S976	Bell – Receiver I.D. 1.07"
S976-2nd	Bell – Receiver I.D. 1.04"
All other parts and keys same as Model 1400 clarinet	

SELMER MODEL CL300 CLARINET BODY PARTS (Plastic)

S1010	Upper Joint – Less Keys
S1011	Lower Joint – Less Keys
S1012	Barrel Joint – 66.5 mm
S1013	Barrel Joint – 60.5 mm
S1014	Barrel Joint – 62.5 mm
S1015	Barrel Joint – 64.5 mm – Standard
S1016	Bell - Brushed

KEYS (Also fit Signet Clarinet CL-100 & CL-200)

S1017	Register Key
S1018	C Trill Key
S1019	Bb Trill Key
S1020	A Key
S1022	F# Ring Key
S1023	Thumb Ring Key
S1024	F# Trill Key
S1025	A-D Ring Key
S1026	Eb-Bb Trill Key
S1027	Eb-Bb Aux Key
S1028	Curved C# - G# Key
S1029	Lower Ring Key
S1030	F-C Lever
S1031	B-F# Key
S1032	E-B Lever
S1033	F# - C# Lever
S1034	Ab-Eb Key
S1035	Low F-C Key
S1036	F# - C# Key
S1037	Low E-B Key

All other parts same as Bundy Model 1400 clarinet

SELMER MODEL B15 (Series 10G) SOPRANO CLARINET - Paris

S686	Barrel Joint – 62.5 mm
S685	Barrel Joint – 64.5 mm (Standard)
S690	Pivot Screws
S691	Thumb Rest Screws
S692	Regulating Screws
S694	Set of Springs – Complete
S695	Thumb Rest

BUNDY/SELMER MODEL 1425 ALTO CLARINET

S343	Neck Assembly
S350	Neck Receiver
A445	Neck Screw
S1043	Bell Assembly – Less Key
S1043-2nd	Bell Assembly – Less Key
S1045	Body – Less Keys
S106	Bell Key
S136	Bell Key Saddle
S101	Thumb Rest w/ Strap Ring
A270	Thumb Rest Screws
S103	Pivot Screws
S112	Regulating Screws
S131	Post Locking Screws
A255	Flat Spring Screw
S100	Strap Ring
S104	Lyre Holder
A440	Lyre Holder Screw
S105	Register Vent Tube – Upper
S688	Register Vent Tube – Lower
S137	Tone Hole Insert – Small
S407	Tone Hole Insert – Large
S408	Register Lever Rocker – Nylon
S424	Key Guide – Small
S418	Key Guide – Large
S1040	Aperture Pad for F# Key – 13mm

SELMER MODEL 22 ALTO CLARINET – Paris

S108	Strap Ring
S109	Thumb Rest – adjustable
A270	Thumb Rest Screws
S690	Pivot Screws
S566	Neck Screws
S567	Regulating Screws
S132	Lyre Holder
S568	Lyre Holder Screw
S569	Upper Register Vent Tube
S570	Key Guide
S131	Post Locking Screws

BUNDY/SELMER MODEL 1430 BASS CLARINET

S415	Neck Assembly – Up Turned Receiver
S416	Neck Receiver
A445	Neck Screw
S1062	Low Eb Lever
S1092	Low Eb Lever – Old Style
S107	Eb Bell Key
S417	Bell Rec'r w/Bell Key Saddle
S133	Thumb Rest & Ring
A270	Thumb Rest Screws
S103	Pivot Screws
S112	Regulating Screws
S131	Post Locking Screws

S100	Strap Ring
S104	Lyre Holder
A440	Lyre Holder Screw
S135	Long Hinge Screw (Upper)
S408	Register Lever Rocker (Nylon)
S1041	Aperture Pad for F# Key-17mm
S114	Register Vent Tube
S424	Key Guide – Small
S419	Key Guide – Large

FLOOR REST PARTS

S182	Floor Peg Assembly – Solders On to Bell Consists of: Holder, Peg, Bumper, Screw & Nut
S185	Floor Peg Holder – Solders On to Bell
S188	Floor Peg Rod – for Bell Mount Holder - .275" dia
S189	Floor Peg Bumper
S183	Floor Peg Knurled Nut
S186	Floor Peg Screw Shaft (for S183)

Old style body mount rod holders are obsolete

S579	Old Style Floor Peg Rod - .215" dia. *For Body Mount Holder only*
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SELMER MODEL 30, 32 & 33 BASS CLARINET – Paris

S571	Upper Register Vent tube
S572	Key Guide – Wide
Floor peg parts same as Model 1430 Bundy bass clarinet	

BUNDY MODEL 1440 CONTRA-BASS CLARINET

S1044-2nd	Bell Assembly less Key
S1093	Bell Key

BUNDY/SELMER MODEL 1492 OBOE – Resonite

BODY PARTS

S165	Upper Joint – Less Keys
S166	Lower Joint – Less Keys
S167	Bell – no key, just 2 holes – Brushed
S482	Reed Receiver
S487	Thumb Rest
S168	Octave Vent

KEYS

S920	Octave Key
S921	Octave Thumb Lever
S922	Lower Octave Key
S923	D Trill Lever (Lower Joint)
S924	D Trill Lever Bridge (Upper Joint)

S925	D Trill Key
S926	C# Trill Lever
S927	C# Trill Key
S928	C Key (Upper Joint)
S929	A#-B Trill Key
S930	B Key
S931	Bb Key
S932	A Key
S933	G# Key
S934	Alt G# Lever
S935	G-Bb Rocker
S936	G Key
S937	F# Key
S938	Fork F Key
S939	Side F Key
S940	E Key
S941	D Key
S942	C# Key
S943	D# Lever
S944	D# Key
S945	Bb-D# Double Lever
S946	C Key (Lower Joint)

SCREWS

S481	Pivot Screws
S480	Regulating Screws
S488	Thumb Rest Screws

OTHER

S947	Tenon Cap – Upper Joint
S948	Tenon Cap – Lower Joint
S483	Register Cork Pad

BUNDY/SELMER MODEL 1432 BASSOON - Plastic

S684	#0 Bocal – Shortest
A306	#1 Bocal
A304	#2 Bocal
A305	#3 Bocal – Longest
A312	Pivot Screws
A302	Hand Crutch Assembly
S179	Hand Crutch Only – 3/16" Post
S184	Hand Crutch Socket
S116	Hand Crutch Holding Screw
A300	Joint Lock Complete
	See pg. 195 for instructions
A319	Joint Lock Rod
A301	Bell Ring – Plastic
A303	Seat Strap Ring w/Strap
S645	Neck Strap Ring
A307	Double Screw Flat Spring
S489	Bocal Vent Tube
S490	Water Crook Nuts
S491	1/4" Wood Screws
A309	Bell Key Guide
A392	G Key Guard – Boot Joint
A393	G Lever Guard – Boot Joint

A397	Bb Trill Guard
A395	D Guard – Bass Joint
S205	E Guard
S696	Whisper Key Lock Plate
S697	Whisper Key Lock Rod
S698	Whisper Key Lock Cam
S116	Whisper Key Lock Screws

BUNDY/SELMER MODEL 1242 ALTO SAXOPHONE

MOUTHPiPE PARTS

S241	Mouthpipe Assembly w/Key – Lacquered
S1047	Octave Key Hinge Rod
A508-S4	Octave Key Spring
S1180	Mouthpipe Guard – solders on
S234	Key Guide
S229	8va Vent Tube
S237	Mouthpipe Tenon – Male

GUARDS

S1115	Low C or D# Key Guard
S1116	B/Bb Bell Key Guard
S239	Detachable Clothes Guard
S667	Bottom Bow Guard
S1180	Mouthpipe guard – solders on

KEYS

S737	Thumb Octave Lever
S224	Floating Lever – trips Neck 8va key
S1150	High F (#1) – offset arm
S1177	High F (#1) – straight arm
S1151	High E (#2)
S1152	High D# (#3)
S1153	High D (#4)
S1154	C Key (#5) upper stack
S1155	F Rocker
S1172	F Rocker Key – with pearl
S1156	Side C or Bb Key (#7 or #9)
S1157	Side C Lever (#7A)
S1160	Side Bb Lever (#9A)
S1158	Bb Bis Key (#8)
S1159	Body 8va Pad Key
S1161	B Key (#6)
S1162	G Key (#11)
S1163	G# Key (#12)
S1164	G# Lever – solid hinge tube (#12A)
S1176	G# Lever – with gap (#12A)
S1165	F# Key (#13)
S1166	Side F# Key (#14)
S1167	F Key (#15)
S1168	E Key (#16)
S1169	D Key (#17)
S1170	Low Eb/D# Key (#18)
S1171	Low C Key (#19)
S1181	Low C# Spatula

SCREWS & HINGE RODS

S1046	Hinge Rod – Floating Lever
S1173	Hinge Rod – Lower Stack
S1174	Hinge Rod – Bell Key
S1175	Hinge Rod – Upper Stack
S236	Key Guard Screw – Sheet Metal Type – Slotted Head
S573	Old Style Wire Bell Key Guard Body Post Screw- Machine type – 6 x 32 (Brass, Slotted)
S222	Pivot Screws – pilot point
S743	Bb or G# Adjusting Arm Screw – Nylon
S240	Octave Key Pin (Body Octave)
A445	Neck Screw
A255	Flat Spring Screw
S574	Roller Screw – Long 7/8"

BODY PARTS

A240	End Plug
S238	Mouthpipe Socket – Female
S208	Body 8va Vent Tube
A582	Floating Lever Tubing
S209	Lyre Holder – no screw
S211	Left Thumb Rest Base – solders on
S216	Left Thumb Rest Cover – Plastic
S217	Right Thumb Rest (Hook)
S233	Body to Bell Brace
S243	Bottom Bow w/ Guard
S738	Strap Ring
S742	Roller – Black 3/4"
S744	Roller – Black 1 1/8"

SELMER AS300 ALTO SAXOPHONE

MOUTHPiPE PARTS

S1101	Octave Key
S1102	Octave Key Hinge Rod
S1103	Octave Key Spring

BODY PARTS

A240	End Plug
S1105	Mouthpipe Receiver – Female
S1106	Floating Lever – Upper
A582	Floating Lever Tubing
S1107	Floating Lever – Lower
S1108	Octave Teeter Bar
S1109	Lower Octave Key (pad key)
S1110	Thumb Octave Lever
S1112	Left Thumb Rest Cover – Plastic
A239	Right Thumb Hook Rest – solders on
S1119	Body to Bell Brace
S1120	F# Adjusting Bar
S1122	Quad Ball Post Arch Assembly
S1126	Roller – Black – C# or B Key
S1127	Roller – Black – Eb or C Key
S1128	Roller – Black – Bb Key

SELMER/BUNDY

GUARDS

S1115	Low C or Eb Key Guard
S1116	B/Bb Bell Key Guard
S1117	Detachable Clothes Guard
A1694	Side F# Guard

SCREWS

S236	Key Guard Screw
S1130	Pivot Screws
S743	Bb or G# Adjusting Arm Screw – nylon
A445	Neck Screw
S1133	Flat Spring Screw
S1134	Roller Screw – Short
S1135	Roller Screw – Medium
S1136	Roller Screw – Long
S1138	Bell Brace Screw
S116	Lyre Screw

SELMER MODEL 52 ALTO SAXOPHONE - PARIS

MOUTHPIPE PARTS

S475	Mouthpipe Assembly – Mark VII
S1001	Mouthpipe Assembly – Super Action 80
S347	8va Vent Tube
S477	Octave Key Saddle
S476	Mouthpipe Tenon – Male – Mark VI & VII
A243	Mouthpipe Guard – solders on

BELL & BODY PARTS

S479	Mouthpipe Receiver – Female – Mark VII
S493	Body 8va Vent Tube
S338	Octave Rocker Arm
S494	Bb/G# Adjusting Arm w/ screws – Mark VII
S495	Adjusting Lug & Screw – Low C# or F Rocker
S529	Low Bb Tilting Spatula – Mark VII
S580	Floating Lever
S274	Strap Ring
S172	Right Thumb Hook Assembly
S256	Right Thumb Hook Only – Plastic
S257	Right Thumb Hook Only – Brass
S499	Right Thumb Tear Drop
S539	Right Thumb Hook Plate
S486	Right Thumb Hook Nut
S517	Left Thumb Rest Post
S225	Left Thumb Rest Cover – Plastic
S518	Key Guide
S522	Bell to Body Brace Ring – Mark VII
S524	Bell to Body Ring Holder – Body Side – Mark VII
S526	Bell to Body Ring Holder – Bell Side – Mark VII
S527	Body to Bow Connecting Ring

GUARDS

S212	Low D#/Eb or C Key Guard – needs S269 also
S345	Low B/Bb Bell Key Guard – needs S269 x 2 also
A1694	Side F# Key Guard – 3 point, solder on
S291	Clothes Guard – Mark VII & SA 80

S348	Bow Guard
S269	Felt Bumper Screw (Holder)

PEARLS & ROLLERS

S258	G# Oval Pearl (11.7mm W x 24.7mm L)
S647	Key Pearl – Small (11.2mm)
S247	Key Pearl – Large (15.5mm)
S519	G# Pearl Holder – Oval
S160	Pearl Holder – Small
S162	Pearl Holder – Large
S260	Oval Roller – 25 mm (Bb)
S531	Roller – 16 mm (Eb or C)
S532	Roller – 8.4 mm (C#)

SCREWS

S223	Pivot Screw – Mark VII
S1004	Pivot Screw – Spring Loaded
S309	Flat Spring Screw
S276	Roller Screw – 8.4 mm Roller
S245	Roller Screw – 17.4 mm Roller
S261	Roller Screw – 25 mm Roller
S219	Key Guard Screw – Mark VI-VII
S1006	Key Guard Screw – Super Action 80
S262	Lyre Screw
S263	Neck Tension Screw
S266	Bb or G# Adjusting Screw – brass
S267	F# Adjusting Rod Holding Screw
S268	Body to Bow Connecting Ring Screw
S269	Key Guard Felt Bumper Screw
S486	Thumb Rest Nut
S533	Bell to Body Ring Screw – Bell Side – Mark VII
S534	Bell to Body Ring Screw – Body Side – Mark VII
S1007	Bell to Body Brace Screw – Super Action 80

BUNDY/SELMER MODEL 1244 TENOR SAXOPHONE

MOUTHPIPE PARTS

S255	Mouthpipe Assembly w/ Key – Lacquered
S638	Octave Key Saddle
S234	Key Guide
S250	Mouthpipe Tenon – Male
S1210	Mouthpipe Tube – only
S229	Octave Vent Tube

KEYS

S637	Thumb Octave Lever
S254	Floating Lever – Trips Neck 8va Key
S1190	High F Palm Key (#1)
S1191	High E Key (#2)
S1192	High D# Palm Key (#3)
S1193	High D Key (#4)
S1194	F Rocker (#2b)
S1195	F Rocker with Pearl
S1196	Side C Key (#7)
S1197	Side Bb Key (#9)
S1198	A Key (#10)
S1199	G# Key (#12)

S1200	G# Lever (#12L)
S1201	Side F# Key (#14)
S1202	Low D Key (#17)
S1204	Low C Key (#19)
S1205	Low C# Key (#20)
S1207	Low B Key (#21)
S1208	Low Bb Key (#22)

SCREWS

S1047	Octave Key Hinge Rod
S1048	Floating Lever Hinge Rod
S240	Octave Key Pin (Body)
Other Screws same as Model 1242 alto saxophone	

GUARDS

S1115	Low D#/Eb or C Key Guard
S585	Double Bell Key Guard
S239	Detachable Clothes Guard
A1694	F# Key Guard – solders on
S668	Bottom Bow Guard – solders on

MISCELLANEOUS PARTS

A241	End Plug
S251	Mouthpipe Receiver – Female
S576	Body 8va Vent Tube
A582	Floating Lever Tubing – Teflon 1'
S209	Lyre Holder
S577	Left Thumb Rest Post
S216	Left Thumb Rest Cover – Plastic
S217	Right Thumb Hook
S578	Bell to Body Brace
S738	Strap Ring
S639	Finger Pearl Set
S742	Roller – Black 3/4"

SELMER MODEL 54 TENOR SAXOPHONE – Paris

MOUTHPIPE PARTS

S670	Mouthpipe Assembly – Mark VII
S1002	Mouthpipe Assembly – Super Action 80
S347	8va Vent Tube
S535	8va Key Saddle
S518	8va Key Guide
S540	Mouthpipe Tenon – Mark VI & VII

BELL & BODY PARTS

S538	Mouthpipe Receiver – Mark VII
S298	Body 8va Vent Tube
S498	Floating Lever – Lower
S581	Floating Lever – Upper
S338	Octave Rocker Arm
S494	Bb/G# Adjusting Arm w/ screws – Mark VII
S495	Adjusting Lug & Screw – Low C# or F Rocker
S544	Low Bb Tilting Spatula – Mark VII
S1232	#2 Key Guide w/ set screw – Mark VI
S274	Strap Ring

S256	Right Thumb Hook Only
S499	Right Thumb Hook Tear Drop
S539	Right Thumb Hook Plate
S486	Right Thumb Hook Nut
S517	Left Thumb Rest Post – solders on
S225	Left Thumb Rest Cover – plastic
S1076	Bell to Body Brace Ring – Mark VII
S1075	Bell to Body Brace Ring Holder – Body Side – Mark VII
S516	Bell to Body Brace Ring Holder – Bell Side – Mark VII
S542	Body to Bow Connecting Ring

GUARDS

S212	Low D#/Eb or C Key Guard – needs S269 also
S349	Low B/Bb Bell Key Guard – needs S269 x 2 also
S269	Felt Bumper Screw (Holder)
A1694	Side F# Key Guard
S291	Clothes Guard
S541	Bottom Bow Guard – Mark VI & VII

SCREWS, ROLLERS & PEARLS

Same as Selmer (Paris) alto saxophone

BUNDY/SELMER MODEL 1256 BARITONE SAXOPHONE

MOUTHPIPE PARTS

S586	Mouthpipe w/ Key – Lacquered
S1047	Octave Key Hinge Rod
S587	Mouthpipe Tenon – Male
S229	8va Vent Tube

BODY PARTS

S589	Mouthpipe Receiver – Female
S592	U-Pipe to Body Brace – Short
S595	Body 8va Vent Tube
S738	Strap Ring
S596	Lyre Holder
S597	Right Thumb Hook – nickel, solders on
S216	Left Thumb Rest Cover
S217	Right Thumb Hook
A235	Bottom Bow Guard
S600	Floating Lever
S240	Octave Key Pin
S602	High F Rocker

SCREWS

S1230	Hinge Rod Set
S1231	Spring Set

Other Screws same as Model 1242 alto saxophone

WATERKEY PARTS

S641	Waterkey
S642	Waterkey Saddle
S643	Waterkey Nipple
S644	Waterkey Screw

SELMER MODEL 55 BARITONE SAXOPHONE – Paris

MOUTHPIPE PARTS

S1003	Mouthpipe Assembly – Super Action 80
S550	Mouthpipe Tenon – Male

BELL & BODY PARTS

S302	Mouthpipe Receiver – Female Mark VII
Can be used on MKVI if brace post is moved	
S584	Octave Vent Tube – Top Bow
S537	Octave Vent Tube - “U” Tube
S274	Strap Ring
S556	Waterkey
S557	Waterkey Saddle
S561	Waterkey Screw
S558	Lyre Holder
S338	Octave Rocker Arm
S562	Bb/G# Adjusting Arm w/ screws
S495	Adjusting Lug & Screw – Low C# or F Rocker
S256	Right Thumb Hook – only – plastic
S257	Right Thumb Hook – only – brass
S499	Right Thumb Hook Tear Drop
S563	Right Thumb Hook Plate
S486	Right Thumb Hook Nut
S517	Left Thumb Rest Post – solders on
S225	Left Thumb Rest Cover – plastic
S564	Bell to Body Ring Holder – Bell Side
S1072	Bell to Body Brace Ring
S337	“U” Tube to Body Brace – flat
S336	“U” Tube to Body Brace Nut
S552	“U” Tube to Body Brace Post – Body Side
S553	Top Bow to “U” Tube Conn Ring
S554	Body to Bow Conn Ring

GUARDS

S304	Low C Key Guard – needs S269 also
S212	Low D#/Eb Key Guard – needs S269 also
S305	Low C# Key Guard – needs S269 also
S303	Low B, Bb or A Key Guard – needs S269 also
S269	Felt Bumper Screw (Holder)
A1694	Side F# Key Guard – 3 point, solder on
S555	“U” Tube Bow Guard
S358	Bottom Bow Guard

SCREWS, ROLLERS & PEARLS

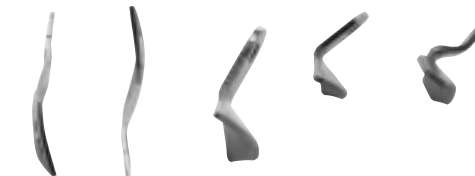
Same as Selmer (Paris) alto saxophone

BUNDY/SELMER ALTO, TENOR & BARI SAX GUARD FEET

Front and Side Views



S651 S652 S654 S657 S659



SELMER SAXOPHONE KEY GUARD HOLDERS – Paris



S660 S661 S662



S664 S665 S651

WILLSON EUPHONIUM & TUBA

PARTS COMMON TO ALL

WL101	Felt Bumpers
WL102	Water Key Rubber

EUPHONIUM TA

WL103	Valve Spring
WL120	Spring Silencer – rubber
WL104	Nylon Valve Guide w/ screw
WL105	Top Cap - brass
WL106	Bottom Cap - brass
WL107	Finger Button - brass
WL108	Valve Retainer for 4th valve - brass
WL109	Valve Retainer Screw - brass
WL110	Valve Stem for 1st, 2nd & 3rd Valve - brass
WL111	Valve Stem 4th Valve - brass
WL118	Gutter Pad – Large for #1 - #3 valves
WL119	Gutter Pad – Small for #4 valve

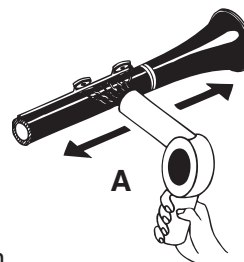
TUBA FA

WL112	Valve Spring
WL121	Spring Silencer – rubber
WL114	Top Cap - brass
WL115	Bottom Cap - brass
WL116	Finger Button - brass
WL117	Piston Stem - brass

INSTALLATION PROCEDURE FOR USE WITH VALENTINO CPW #120 GREEN BACK PADS

1. Key cups must be clean. Remove all prior adhesives from cups.
2. With its cardboard backing, the Green Back pad can be floated into place using traditional gluing methods with hot melt glue or shellac. Use pads that are a .05mm smaller than traditional sizes, or simply use the press fit method with the traditional size pad.

All closed keys will self-seat with pressure caused by normal spring tension.



3. Place pad leveling tool between pad and tone hole – press key cup firmly. This will help level the pad.
4. All open key pads need to be seated with heat. Use an ordinary hair dryer (on high) positioned about 2 to 3 inches from open key pads for 8 to 10 seconds



B

(Illustration A). Then immediately close key with Valentino clamp (Illustration B).
Note: When replacing low E/B and F/C open key pads, heat as above and place clamps as show in Illustration C. Allow key cups to cool for approximately 2 minutes. The pads will never lose this seat as bladder pads do, because the seat is embossed with heat; the Valentino material does not have memory as the wool does in the bladder pad.



C

FLUTE AND ALTO FLUTE PARTS

PS260	Pad Set FA – Closed Key 501-765
PS261	Pad Set FA – Open Key 501-765
PS262	Pad Set for Alto Flute
P101	Head Crown – Alto Flute
P102	Head Crown – TPH-5/5J/6/6J
P103	Head Crown – TPH-5G/6G
P104	Head Crown – Models 765/665/695/795
P105	Cork Stopper Nut
P107	Cork Stopper Screw
P108	Roller
P109	Roller Screw
P110	Pivot Screw
P100	Adjusting Screw
P111	Allen Locking Screw
T4142	Allen Wrench for P111 Screw
P112	Pad Screw
P113	Pad Washer – Large
P114	Pad Washer – Medium
P115	Open Hole Pad Retainer (Grommet)
P116	Plastic Stopper for Trill Key
P117	Flute Cleaning Rod – Wood

PFP-105E PICCOLO PARTS

P121	Head Crown – for TPH (wave type)
P122	Cork Stopper Nut
P124	Cork Stopper Screw
P125	Pivot Screw for Right Hand Keys
P126	Pivot Screw for Trill Keys
P127	Allen Locking Screw
T4142	Allen Wrench for P127 Screw
P128	Adjusting Screw
P129	Body Ring
P130	Retaining Screw

Texas-Style Flush for Brass Instruments

Hal Hall

This technique for cleaning out brass instruments was passed down to me from another technician, who learned it from yet another. (Isn't this what NAPBIRT is all about?) I first demonstrated the process at a regional meeting in Little Rock, and again in Nashville.

The following procedure was written with a trumpet in mind, but the same basic steps apply to any brass instrument. I've included some information specific to French horns and trombones as well. For tools and supplies needed, refer to the list at the end of the article.

First of all, tear the horn down to the "bare bones," discarding all of the old felts and corks. If you don't have a hot vapor degreaser, use some type of solvent to remove all of the old grease and oils. You must have all of the oils removed completely for a satisfactory finished product. I use cork cement thinner in my shop to accomplish this. Go inside and out of all slide tubes to make sure everything is degreased.

The second step is what we all call a standard "flush" job. Exo-Kleen, Slime-Away, Etch-Klenz, muriatic, or whatever you use in your shop is fine. At this point, go ahead with the flexible brushes and clean out the crooks of the horn really well. Be sure and rinse with clean water and especially rinse the inside of each piston to ensure no chemical remains behind.

After rinsing with lots of clean water, you are now ready to use the air drill. In order to attain maximum efficiency of the whirling brushes, you must maintain a constant 95 p.s.i. at the air drill from the compressor. I have a 5 hp compressor with a 5-gallon tank and that seems to work fine for me. However, if you are going to have more than one tool working at a time, you may need a larger compressor. This, of course, would apply to a multi-person shop.

To prepare the "slurry" mix you are going to work with, take a regular 16 oz. plastic cup and drop a bar of Lava soap down into it. Then add water--about 1/3 of the cup--and a few drops of Dawn dishwashing liquid. Next, take a 3/4" wide nylon bristol brush--the type with a ring on the end of the twisted metal handle--and snip the ring off. Now you can insert this brush into the drill and tighten it down. Insert the brush into the cup with the ingredients and begin to make a slurry mix. If you keep pressure on the bar of soap with the brush, your mixture will begin to thicken. Mix until it becomes the consistency of a milkshake. The thickness of this mix is very important to get a good scrubbing action.

You are now ready to clean the horn. With the appropriate size brush, dip the brush in the slurry and then immediately go to the slide tube. Do not use too big a brush for the tube or you

can actually expand the metal. Spin the brush with the drill at full speed while moving the brush in and out of the slide tube. Keep the brush moving. Then rinse the brush and repeat the process until the inside of the slide tube shines. Even though you are using pumice soap, the pumice breaks down as you use it and will produce a very shiny finish with no grit. Do all of the slide tubes on the horn, as well as the inside tubes of the trim. Next, go to a little larger brush and do all three valve casings. They also should come out shining. With a small 1/2" wide brush, do the ports on the pistons very carefully. (I cannot emphasize the words "VERY CAREFULLY" enough. Don't force it!) Again, you should get a nice finish on the inside of the ports. If there is to be any valve work performed on the horn, it should be completed before doing this step so as not to disturb the finish. Rinse everything with water and be sure to get all soap out of the pistons. You are now ready to go to the scratch brush.

In a plastic dish pan, mix equal parts of soap bark and baking soda in water, and mix together well. You may want to wear a face mask while doing this because the soap bark is very fine and tends to irritate the nose and throat. I take a chip brush, snip off the ring, and insert in the drill to help mix up this concoction. This will be the wetting agent for your scratch brush.

Ideally, your scratch brush should turn between 800-900 rpm to get a good satin finish. This can be attained through reduction pulleys on a standard motor. If the motor turns too fast, it tends to throw the bristles off of the brush. You want to scratch brush all of the slide tubes on your trim. Some techs sand these areas, but the scratch brush removes much less material, thereby prolonging the life of the horn. In fact, it hardly removes any material at all. The brush is used much like a buffing wheel moving up and down the slides, giving them a satin finish. Go right up to the ferrule with the wheel. The soft wire will not affect the lacquer on the ferrule if you don't stay in one place too long. Do the valves and spring barrels as well. When done properly, they will look almost new. On old, satin-finish silver instruments you may want to do the top and bottom caps as well.

Rinse thoroughly with clean water, inside and out. Sometimes I will finish off the pistons with a soda rinse to kill any lingering acid that may be present. If you have trouble with tarnish forming on the clean tubes or pistons before the job is finished, the soda will usually stop this.

Reassemble the horn in your normal procedure, replacing all corks and felts. At our shops, we include accessible dents in this job. Wipe down, clean and "Armor-All" the case, and ship.

For French horns, scratch brush the rotors and they will come out beautiful. Sometimes a smaller, 2" scratch brush can be used to facilitate getting into the rotor ports. Also, the chip brush does a good job of getting into the rotor casing during the cleaning phase. Be aware of the steel binding wire on the chip brush when you go inside the casing so as not to gouge the inside of it.

For trombone slides, take a 3/4" brush and braze it to the end of a 16" piece of brass rod stock. This works very well and will eliminate most of the "chatter" when turned with the drill. You can also use a bass clarinet tube brush for this, but you will need to put shrink tubing on the shaft because it will chatter and could scratch the inside of the slide tube.

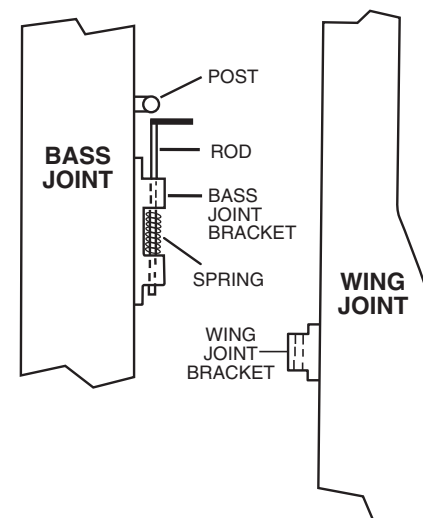
All of our local band directors love this technique, and it is easier to sell the job when they can see a real difference.

Hal Hall, a resident of Temple, Texas has been attending NAPBIRT clinics and seminars for many years and finally decided to do one himself. Hal, a graduate of Allied is a general practitioner technician.

BUNDY BASSOON JOINT LOCK INSTALLATION (Part Number A300)

- 1) BRACKETS ARE LOCATED SO THAT THEY DO NOT INTERFERE WITH ANY KEYS
- 2) SPRING- PLACES TENSION ON ROD TO HOLD IT IN THE LOCK OR UNLOCK POSITION
- 3) POST- IS TO KEEP ROD FROM COMING OUT OF THE BASS JOINT BRACKET
- 4) WING JOINT BRACKET- THIS IS MOUNTED JUST BELOW THE BASS JOINT BRACKET.

THE LOCK ROD GOES THROUGH BOTH BRACKETS.



Yamaha is constantly changing their part numbers. The part you order from us may have a different part number on the bag than what you ordered. Rest assured, the part should fit the instrument we have it listed for.

CORNET PARTS

YCR-231 CORNET (YCR-231S Specify Silver Plate) (Made 1969 to 1983)

MOUTHPIPE PARTS

Y-A11 30521	Mouthpipe Assembly
Y-A1K 42300	Finger Hook
Y-A01 30200	Waterkey
Y-A01 41191	Waterkey Screw
Y-A01 41160	Waterkey Spring
Y-A01 43390	Waterkey Nipple
Y-A07 43381	Waterkey Saddle
Y-A11 90000	Waterkey Assembly (w/key, spring & screw)
A367	Waterkey Cork (pkg of 100)

SLIDE PARTS

Y-A01 30102	Main Tuning Slide Assembly
Y-A35 30121	2nd Slide Assembly
Y-A01 30131	3rd Slide Assembly
Y-A03 30550	Upper Outside TS Tube Ass'y
Y-A07 30230	3rd Slide Waterkey
Y-A11 91000	3rd Slide W/key Ass'y (w/key, spring & screw)
Y-A01 41191	3rd Waterkey Screw
Y-A07 41170	3rd Waterkey Spring
Y-A07 43381	Waterkey Saddle
Y-A01 43390	Waterkey Nipple
Y-A01 43510	Lyre Holder
Y-A01 41220	Lyre Holder Screw
Y-A01 30260	3rd Finger Ring

VALVE SECTION PARTS

Y-A11 30010	#1 Piston
Y-A11 30020	#2 Piston
Y-A11 30030	#3 Piston
Y-A37 41020	Top Cap
Y-A2K 41030	Bottom Cap
Y-A33 41001	Finger Button
Y-A01 41080	Valve Stem
A373	Valve Spring
Y-A01 41090	Valve Guide
Y-A01 41069	Valve Stem Felt (pkg. of 100)
Y-A16 41059	Top Cap Felt (pkg. of 100)

BRACES

Y-A01 42270	Mpc Receiver to Bell Brace
Y-A01 30710	Valve to Bell Brace
Y-A1A 30720	Valve to Mpipe Brace

Y-A01 42060	TS to Valve Brace – Upper
Y-A01 42100	TS to Valve Brace – Lower
Y-A01 42110	Mpipe to 3rd Slide Brace

BELL

Y-A01 30510	Bell
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YCR-2310 CORNET (YCR-2310S Specify Silver Plate) (Made 1984 to 1995)

MOUTHPIPE PARTS

Y-A11 30521	Mouthpipe Assembly
Other parts same as YCR-231	

SLIDE PARTS

Y-A01 30102	Tuning Slide Assembly
Y-A01 43162	Tuning Slide Crook
Y-A01 30112	1st Slide Assembly – 2 Inners
Y-A01 30122	2nd Slide Assembly
Y-A01 30132	3rd Slide Assembly
Y-A01 42311	3rd Slide Stop Nut
Y-A01 41212	3rd Slide Stop Screw (short & coarse thread)
Y-A11 91000	3rd Slide Waterkey Ass'y (w/key, spring & screw)
Other slide parts same as YCR-231	

VALVE SECTION PARTS

Parts same as YCR-2310-II

BRACES

Y-A33 42010	Bell to 1st Slide Brace
Y-A01 42040	TS to Valve Brace – Upper
Other brace parts same as YCR-231	

BELL

Same as YCR-231

YCR-2310 II & YCR-2330 II CORNET (Made 1997 to present)

All parts listed fit both cornets except where marked.

MOUTHPIPE PARTS

Y-A1A 30520	Mouthpipe Assembly
Y-A11 90000	Waterkey Ass'y (w/key, spring & screw)
Y-A01 30200	Waterkey – nickel
Y-A01 41160	Waterkey Spring
Y-A01 41191	Waterkey Screw
Y-A01 44321	Waterkey Saddle
Y-A01 44331	Waterkey Nipple
A367	Waterkey Cork (pkg of 100)
Y-A1K 42300	Finger Hook

SLIDE PARTS

Y-A1A 30100	Main Tuning Slide Ass'y – less w/key
Y-A1A 30550	Main Tuning Slide Crook

Y-A1A 30110	1st Slide Assembly – 1 Inner/1 Outer
Y-A1A 30120	2nd Slide Assembly
Y-A1A 30130	3rd Slide Assembly – YCR-2310 II
Y-A2B 30130	3rd Slide Assembly – YCR-2330 II
Y-A4K 30290	3rd Slide Finger Ring – YCR-2330 II
Y-A11 91000	3rd Waterkey Assembly (w/key, spring & screw)
Y-A07 30230	3rd Slide Waterkey
Y-A33 41171	3rd Waterkey Spring
Y-A07 43391	3rd Waterkey Nipple
Y-A07 43381	3rd Waterkey Saddle
Y-A01 41191	3rd Waterkey Screw
Y-A01 30260	3rd Slide Push Rod (Finger Ring)
Y-A01 43510	Lyre Holder
Y-A01 41220	Lyre Holder Screw
Y-A1A 42310	3rd Slide Stop Screw Holder
Y-A01 41212	3rd Slide Stop Screw
Y-A2K 30280	1st Slide Thumb Hook
Y-A1A 30550	Outside Tuning Slide Tube

VALVE SECTION PARTS

Y-A11 30010	#1 Piston
Y-A11 30020	#2 Piston
Y-A11 30030	#3 Piston
All other valve parts same as YTR-2335 Trumpet	

BRACES

Y-A1A 30720	Mouthpipe to Valve Casing
Y-A1A 30710	Bell to Valve Casing
Y-A1A 42270	Bell to Mouthpiece Receiver
Y-A1A 42100	Lower T.S. Tube to Valve
Y-A1A 42110	Mouthpipe to 3rd – Mouthpipe Side
Y-A1A 42120	Mouthpipe to 3rd – 3rd Slide Side Socket
Y-A1K 42010	Bell to 1st Slide

BELL

Y-A1A 30510	Bell – YCR-2310 II
Y-A2B 30510	Bell – YCR-2330 II

TRUMPET PARTS

YTR-232 TRUMPET - ALL OBSOLETE (YTR-135 Specify Nickel Plate) (YTR-232S Specify Silver Plate) (Made 1969 to 1983)

MOUTHPIPE PARTS

Same as YTR-2320 Trumpet

VALVE SECTION PARTS

Other parts (except valves) same as YCR-231 Cornet

BRACES

Y-A31 42020	Bell to 1st Slide Brace
Other braces same as YTR-2320 Trumpet	

SLIDES & BELL - Obsolete

YTR-2320 TRUMPET (YTR-2320s Specify Silver Plate) (Made 1984 to 1997)

MOUTHPIPE PARTS

Y-A70 30523	Mouthpipe Assembly
Y-A70 30523-S	Mouthpipe Assembly – Silver
Y-A1K 42300	Finger Hook

SLIDE PARTS

Y-A33 30101	Tuning Slide Ass'y w/key - lacquered
Y-A71 30101	Tuning Slide Ass'y – Silver
Y-A35 30112	1st Slide Assembly - lacquered
Y-A35 30121	2nd Slide Assembly - lacquered
Y-A71 30121	2nd Slide Assembly - Silver
Y-A35 30131	3rd Slide Assembly - lacquered
Y-A33 32000	Main Tuning Slide Crook
Y-A35 32010	1st & 2nd Crook
Y-A33 32030	3rd Slide Crook
Y-A70 30600	Lower TS Tube-Outside
Y-A01 41212	3rd Slide Stop Screw – coarse, short, 19.5mm
Y-A31 41210	3rd Slide Stop Screw – coarse, long, 22mm
Y-A33 90000	TS Waterkey Ass'y (w/key, spring & screw)
Y-A31 30200	Tuning Slide Waterkey
Y-A01 41160	Tuning Slide Waterkey Spring
Y-A11 91000	3rd Slide W/key Ass'y (w/key, spring & screw)
Y-A07 30230	3rd Slide Waterkey – nickel
Y-A33 41171	3rd Slide Waterkey Spring
Y-A07 43381	3rd Slide Waterkey Saddle
Y-A01 41191	Waterkey Screw
Y-A01 30260	3rd Slide Finger Ring (Push Rod)
Y-A01 43510	Lyre Holder
Y-A01 41220	Lyre Holder Screw

VALVE SECTION PARTS

Y-A31 30011	#1 Piston
Y-A31 30021	#2 Piston
Y-A31 30031	#3 Piston
Y-A37 41020	Top Cap
Y-A2K 41030	Bottom Cap (after serial #120001)
Y-A33 41001	Finger Button – nickel
Y-A12 41001	Finger Button – silver
Y-A01 41080	Valve Stem
Y-A01 41090	Valve Guide – not stepped
Y-A31 41090	Valve Guide – stepped
A373	Valve Spring
Y-A01 41069	Valve Stem Felt (pkg. of 100)
Y-A16 41059	Top Cap Felt (pkg. of 100)

BRACES

Y-A31 42260	Mouthpipe to Bell Brace – Front
Y-A31 42270	Receiver to Bell Brace – Rear
Y-A31 30710	Valve to Bell Brace
Y-A1K 30710	Valve to Mouthpipe Brace
Y-A33 42010	Bell to 1st Slide Brace
Y-A33 42020	TS to 3rd Slide Brace

BELL

Same as YTR-2335

YTR-2335/YTR-2335M & YTR-200AD (Advantage) TRUMPET (Current production)

MOUTHPIPE PARTS

Y-A1K 30520	Mouthpipe Assembly – YTR-2335
Y-A2Q 30520	Mouthpipe Assembly – YTR-200AD
Y-A1K 42300	Finger Hook

SLIDE PARTS

Y-A2K 30100	Main Tuning Slide Assembly - lacquered
Y-A2K 30110	1st Slide Assembly w/hook - lacquered
Y-A1K 30120	2nd Slide Assembly - lacquered
Y-A1K 30130	3rd Slide Assembly - lacquered
Y-A33 90000	T.S. Waterkey Ass'y (w/key, spring & screw)
Y-A31 30200	Tuning Slide Waterkey – nickel
Y-A01 41191	T.S. & 3rd Waterkey Screw
Y-A01 41160	T.S. Waterkey Spring
Y-A35 43170	T.S. Waterkey Saddle w/ nipple
Y-A11 91000	3rd Slide Waterkey Ass'y (w/key, spring & screw)
Y-A07 30230	3rd Slide Waterkey – nickel
Y-A33 41171	3rd Slide Waterkey Spring
Y-A07 43381	3rd Slide Waterkey Saddle
Y-A2K 30280	1st Slide Thumb Hook
Y-A01 43270	Pull Knob
Y-A01 43510	Lyre Holder
Y-A31 41220	Lyre Holder Screw
Y-A01 30260	3rd Slide Finger Ring (Push Rod)
Y-A1A 42310	3rd Slide Stop Nut (screw holder)
Y-A31 41210	3rd Slide Stop Screw – long, coarse thread
Y-A1K 30600	Outside Tuning Slide – Lower

VALVE SECTION PARTS

Y-A31 30011	#1 Piston – plated
Y-A31 30021	#2 Piston – plated
Y-A31 30031	#3 Piston – plated
Y-A2W 30010	#1 Piston – monel
Y-A2W 30020	#2 Piston – monel
Y-A2W 30030	#3 Piston – monel
Y-A2K 41020	Top Cap
Y-A2K 41030	Bottom Cap
Y-A33 41001	Finger Button
Y-A01 41080	Valve Stem
Y-A01 41070	Valve Spring
Y-A31 41090	Valve Guide
Y-A01 41069	Valve Stem Felt (pkg. of 100)
Y-A16 41059	Top Cap Felt (pkg. of 100)

BRACES

Y-A1K 42260	Front Mouthpipe to Bell
Y-A1K 42270	Rear Mouthpipe to Bell
Y-A1K 30720	Mouthpipe to Valve
Y-A1K 30710	Bell to Valve
Y-A51 42020	T.S. to 3rd
Y-A1K 42010	Bell to 1st Slide Brace

BELL

Y-A1K 30510	Bell – YTR-2335
Y-A2Q 30510	Bell – YTR-200AD

YTR-4320ST TRUMPET (Made 1983 to 1990)

MOUTHPIPE PARTS

Y-A71 30520	Mouthpipe Assembly – Silver
Y-A01 42308	Finger Hook – Silver

SLIDE PARTS

Y-A61 32000	Tuning Slide Crook – Silver
Y-A01 43268	1st Slide Crook
Y-A35 32018	2nd Slide Crook
Y-A41 32038	3rd Slide Assembly
Waterkey parts same as YTR-734 Trumpet	

1ST SLIDE TRIGGER PARTS

Y-A91 30270	Trigger – Silver
Y-A91 41340	Trigger Saddle Screw
Y-A91 30768	Trigger Saddle – Silver
Y-A91 41320	Trigger Spring
Y-A91 41300	Trigger Rod – Silver
Y-A91 41310	Trigger Rod End – Silver
Y-A91 41330	Trigger Rod Screw – 2 needed

VALVE SECTION PARTS

Y-A41 30011	#1 Piston
Y-A41 30021	#2 Piston
Y-A41 30031	#3 Piston
Y-A42 41020	Top Cap – Silver
Y-A08 41030	Bottom Cap – Silver
Y-A12 41001	Finger Button – Silver
Other valve parts same as YCR-231 Cornet	

YTR-4335G TRUMPET (Made from 1998 to present)

MOUTHPIPE PARTS

Y-A4K 30520	Mouthpipe Assembly
Y-A01 42308	Finger Hook

SLIDE PARTS

Y-A4K 30100	Main Tuning Slide Assembly
Y-A4K 30130	3rd Slide Assembly
Y-A4K 30290	3rd Slide Finger Ring
Other parts are the same as the YTR-2335 Trumpet	

VALVE SECTION PARTS

Y-A41 30011	#1 Piston
Y-A41 30021	#2 Piston
Y-A41 30031	#3 Piston
Other parts are the same as the YTR-2335 Trumpet	

BRACES

Y-A2K 31050	Main Tuning Slide
Other parts are the same as the YTR-2335 Trumpet	

BELL

Y-A4K 30510	Bell
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YTR-6320 TRUMPET (YTR-6320s Specify Silver Plate) (Made 1983 to present)

MOUTHPIPE PARTS

Y-A39 30523	Mouthpipe Assembly
Y-A37 42300	Finger Hook

SLIDE PARTS

Y-A39 32000	Tuning Slide Crook
Y-A01 43260	1st Slide Crook
Y-A35 32010	2nd Slide Crook – Silver
Y-A41 32030	3rd Slide Crook
Y-A2K 30280	1st Slide Hook Assembly – Silver
Y-A31 41210	3rd Slide Stop Screw
Waterkey parts same as YTR-2320 Trumpet	

VALVE SECTION PARTS

Y-A41 30011	#1 Piston
Y-A41 30021	#2 Piston
Y-A41 30031	#3 Piston
Y-A39 41021	Top Cap
Y-A39 41030	Bottom Cap
Y-A39 41001	Finger Button
Other valve section parts same as YCR-231	

BRACES

Y-A39 42260	Mouthpipe to Bell Brace
Y-A39 42270	Receiver to Bell Brace
Other braces same as YTR-2320 Trumpet	

BELL

Y-A41 30512	Bell
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YTR-6335 TRUMPET (Made from 1988 to present)

MOUTHPIPE PARTS

Y-A51 30520	Mouthpipe assembly
Y-A51 42300	Finger hook

SLIDE PARTS (after ser. #401001)

Y-A6K 30110	1st Slide Assembly
Y-A6K 30120	2nd Slide Assembly
Y-A6K 30130	3rd Slide Assembly
Y-A6K 30100	Main Tuning Slide Assembly
Y-A6K 43160	Tuning Slide Crook Assembly
Y-A33 90000	T. S. Waterkey Ass'y (w/key, spring & screw)
Y-A11 91001	3rd Slide Waterkey Ass'y (w/key, spring & screw)
Y-A01 41191	Waterkey Screw
Y-A01 41160	Waterkey Spring
Y-A2K 30280	1st Slide Thumb Hook
Y-A4K 30290	3rd Slide Finger Ring
Y-A31 41210	3rd Slide Stop Screw

VALVE SECTION PARTS

Same as YTR-6320 in catalog

BRACES

Y-A51 42270	Mouthpiece Receiver to Bell
Y-A51 42260	Tuning Slide Tube to Bell
Y-A51 30710	Valve to Bell
Y-A51 30720	Valve to Mouthpipe
Y-A51 30730	Tuning Slide Upper to T.S. Lower
Y-A51 42020	Tuning Slide Lower to 3rd Slide

BELL

Y-A51 30510	Bell
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YTR-734 TRUMPET (Made 1969 to 1979)

MOUTHPIPE PARTS

Y-A37 42300	Finger Hook
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SLIDE PARTS

Y-A40 32008	Tuning Slide Crook – Silver
Y-A42 30130	3rd Slide Ass'y w/Finger Ring – Silver
Y-A41 32038	3rd Slide Ass'y w/Lyre Holder – Silver
Y-A01 43268	1st Slide Crook
Y-A35 32018	2nd Slide Crook – Silver
Y-A35 30608	Lower TS Tube – Outside
Y-A40 30200	TS Waterkey
Y-A08 30230	3rd Slide Waterkey
Y-A01 41160	Waterkey Spring
Y-A08 31138	3rd Finger Ring – Silver
Y-A40 41210	3rd Slide Stop Screw
Y-A2K 30280	1st Slide Thumb Hook

VALVE SECTION PARTS

Y-A41 30020	#2 Piston
Y-A41 30030	#3 Piston
Y-A08 41020	Top Cap – Silver
Y-A08 41030	Bottom Cap – Silver
Y-A40 41000	Finger Button – Silver
#1 piston is no longer available	
Other parts same as YCR-231 Cornet	

BRACES

Y-A39 42268	Mouthpipe to Bell Brace
Y-A39 42278	Receiver to Bell Brace
Y-A07 30728	Valve to Mouthpipe Brace – Silver
Y-A31 30718	Valve to Bell Brace
Y-A31 42028	Bell to 1st Slide Brace
Y-A33 42038	TS to 3rd Slide Brace

YTR-8335RG TRUMPET (XENO)

MOUTHPIPE PARTS

Y-A8R 30520	Mouthpipe Assembly
Y-A37 42300	Finger Hook

VALVE SECTION PARTS

Y-A08 30010	#1 Piston
Y-A08 30020	#2 Piston

Y-A08 30030	#3 Piston
Y-A8P 41080	Valve Stem
Y-A65 41091	Valve Guide
Y-A01 41070	Valve Spring
Y-A8Q 41000	Finger Button w/ pearl
Y-A8Q 41020	Top Cap
Y-A8Q 41030	Bottom Cap

SLIDE PARTS

Y-A8P 30105	Main Tuning Slide Assembly
Y-A8P 30115	1st Slide Assembly
Y-A8P 30285	1st Slide Thumb Hook
Y-A65 30120	2nd Slide Assembly
Y-A8R 30130	3rd Slide Assembly
Y-A4K 30290	3rd Slide Finger Ring – solder on
Y-A31 41210	3rd Slide Stop Screw
Y-A01 43270	Pull Knob
Y-A65 90001	Main T. S. Waterkey Ass'y (w/key, spring & screw)
Y-A65 43170	Waterkey Saddle
Y-A65 43180	Waterkey Nipple
Y-A62 41190	Waterkey Screw
Y-A01 41180	Waterkey Spring (Pkg. of 10)

BRACES

Y-A51 42270	Mpc. Receiver to Bell – rear
Y-A51 42260	Tuning Slide to Bell – front
Y-A51 30731	Main Tuning Slide Brace
Y-A65 30710	2nd Valve Casing to Bell
Y-A65 30720	2nd Valve Casing to Mouthpipe

BELL

Y-A8S 30510	Bell
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MISCELLANEOUS BELLS

Y-A20 30510	YCR-633 – Cornet
Y-A53 30510	YTR-6345 – Trumpet
Y-C07 30510	YFH-635ST – Flugelhorn
Y-E51 30510	YHR-861 – French Horn
Y-F31 30510	YMP-201M – Marching Euph.

FLUGELHORN PARTS

YFH-631 FLUGELHORN (YFH-731 Specify Silver Plate)

MOUTHPIPE PARTS

Y-C01 30540	Mouthpipe Assembly – Inside
Y-C01 30530	Mouthpipe Assembly – Outside
Y-C01 41230	Mouthpipe Screw

SLIDE PARTS

Y-C01 30110	1st Slide Assembly
Y-C01 30120	2nd Slide Assembly

Y-C01 30130	3rd Slide Assembly
Y-C03 30300	3rd Slide Trigger Kit
Y-A11 91000	1st Slide Waterkey Ass'y (w/key, spring & screw)
Y-A07 30230	1st Slide Waterkey
Y-A01 41191	1st Slide Waterkey Screw
Y-A07 41170	1st Slide Waterkey Spring

VALVE SECTION PARTS – Old Style

Y-C01 30020	#2 Piston – Metal Guide*
Y-C01 41080	Valve Stem
Y-C01 41120	Valve Guide Screw

*Pistons & metal guides are no longer available. You can use the new style parts below as long as you change stem and guide also.

VALVE SECTION PARTS – New Style

Y-C01 30012	#1 Piston
Y-C01 30022	#2 Piston
Y-C01 30032	#3 Piston
Y-C01 41020	Top Cap
Y-C01 41030	Bottom Cap
Y-C01 41000	Finger Button
Y-C01 41081	Valve Stem
Y-F01 41092	Valve Guide – Plastic
Y-G01 41130	Valve Guide Washer
Y-C01 41070	Valve Spring

All valve parts listed above interchange with old style as long as all parts shown are changed.

OTHER PARTS

Y-C01 30510	Bell – YFH 631
Y-C02 30518	Bell – YFH 731
Y-A01 41220	Lyre Holder Screw
Y-A01 30200	1st Branch Waterkey
Y-A01 41191	1st Branch Waterkey Screws
Y-A01 41160	1st Branch Waterkey Spring
Y-A11 90000	1st Branch Waterkey Ass'y (w/key, spring & screw)

YFH-2310 FLUGELHORN (YFH-2310S Specify Silver Plate)

MOUTHPIPE PARTS

Y-C05 30540	Mouthpipe Assembly – Inside
Y-C05 30531	Mouthpipe Assembly – Outside
Y-C05 41231	Mouthpipe Screw

SLIDE PARTS

Y-A33 30112	1st Slide Assembly
Y-C05 30121	2nd Slide Assembly
Y-C05 30131	3rd Slide Assembly
Y-A11 91000	3rd Slide Waterkey Ass'y (w/key, spring & screw)
Y-A07 30230	3rd Slide Waterkey
Y-A01 41191	3rd Slide Waterkey Screw
Y-A07 41170	3rd Slide Waterkey Spring

VALVE SECTION PARTS

Y-A31 30011	#1 Piston
Y-A31 30021	#2 Piston
Y-A31 30031	#3 Piston
Y-A31 41021	Top Cap
Y-A03 41030	Bottom Cap
Y-A33 41001	Finger Button
Y-A01 41090	Valve Guide – Plastic
Y-A01 41080	Valve Stem
Y-A01 41070	Valve Spring

OTHER PARTS

Y-C05 30510	Bell
Y-C05 30090	1st Branch
Y-A11 90000	1st Branch Waterkey Ass'y (w/key, spring & screw)
Y-A01 30200	1st Branch Waterkey
Y-A01 41191	1st Branch Waterkey Screw
Y-A01 41160	1st Branch Waterkey Spring
Y-A1K 42300	Finger Hook
Y-A01 41220	Lyre Holder Screw

TROMBONE PARTS

YSL-352 TROMBONE (Made 1969 to 1976)

BELL SECTION PARTS

Y-D01 30500	Bell
Y-D01 30580	Bell Ferrule – Upper
Y-D01 44200	Gooseneck
Y-D06 43020	Inside TS Upper Tube
Y-D01 43030	Inside TS Lower Tube
Y-D04 41000	Balancer w/Screws
Y-D04 41080	Balancer Screw
Y-D01 30600	Front Bell Brace Flange

INSIDE SLIDE PARTS

A138 Venturi – Mouthpipe
All other parts are obsolete.
Inside slide tubes from YSL-354 after #201001 will work but are shorter than originals.

OUTSIDE SLIDE PARTS

Y-D01 42181	Slide Lock Lug – solder on
Y-D01 30642	Brace Flange – Upper
Y-D01 30650	Brace Flange – Lower
A139	Hand Slide Crook
Y-D01 30810	Waterkey Saddle
Y-D01 41310	Waterkey Spring
A144	Rubber End Bumper
Outside slide tubes from YSL-354 after 201001 will work but are shorter than originals.	

YSL-354 TROMBONE

(Made 1976 to present)

Prior to Serial #32816 – has brass braces

BELL SECTION PARTS

Y-D04 30011	Tuning Slide Assembly
Y-D01 43011	Tuning Slide Crook
Y-D04 30600	Front Bell Brace Flange
Other parts same as YSL-354 after serial #201001	

INSIDE SLIDE PARTS

See YSL-354 after serial #201001

** The slide lock ring is no longer available for the YSL-354 trombone prior to #32816 **

OUTSIDE SLIDE PARTS

Y-D04 30840	Slide Brace Flange – Upper
Y-D06 30640	Slide Brace Flange – Lower
Other parts same as YSL-354 after 201001	

YSL-354 TROMBONE

After Serial #201001 – has nickel braces

BELL SECTION PARTS

Y-D01 30500	Bell
Y-D01 30602	Front Bell Brace Flange
Y-D01 30612	Hand Slide Receiver Assembly
Y-D01 30012	Tuning Slide Assembly
Y-D01 44200	Gooseneck
Y-D04 41000	Balancer w/Screws
Y-D04 41080	Balancer Screw

INSIDE SLIDE PARTS

*Y-D01 42122	Inside Slide Tube – Upper
*Y-D01 42112	Inside Slide Tube – Lower
Y-D01 42131	Bell Connection Taper – male
Y-D01 30700	Venturi Tube – Mouthpipe
Y-D01 30622	Cork Barrel – Upper
Y-D01 30632	Cork Barrel – Lower
Y-D01 91002	Slide Lock Ring – 19mm ID

* Inside slide tube will work on YSL-354 prior to #32816 but are shorter than original tubes

OUTSIDE SLIDE PARTS

*Y-D01 42104	Outside Slide Tube
Y-D01 42181	Slide Lock Lug – solders on
Y-D01 30642	Brace Socket – Upper
Y-D01 30652	Brace Socket – Lower
Y-D01 30712	Hand Slide Crook Ass'y (crook, guard and w/k saddle)
Y-D01 44661	Hand Slide Crook – only
Y-D01 30800	Hand Slide End Guard
Y-D01 90001	Waterkey Ass'y (waterkey, spring & screw)
Y-D01 30050	Waterkey
Y-D01 44701	Waterkey Saddle
Y-D01 44681	Waterkey Nipple
Y-D01 41302	Waterkey Screw
Y-D01 41310	Waterkey Spring

A366 Waterkey Cork
A144 Rubber End Bumper

*Outside slide tube will work on YSL-354 prior to #32816 but are shorter than original tube.

YSL-356G/YSL-356G TROMBONE (Made 1996 to present)

BELL SECTION PARTS

*Y-D04 30503 Bell – YSL-356G
Y-D23 30010 Tuning Slide Assembly
Y-D04 43010 Tuning Slide Crook
Y-D13 44200 Gooseneck
Y-D23 30612 Hand Slide Receiver Assembly
Y-D01 30602 Front Bell Brace Flange
Y-D23 42010 Valve Cap
Y-D08 41070 Stop Arm
Y-D08 41041 Stop Arm Retaining Screw
Y-D08 41051 Cork Plate Screw
Y-D08 41031 Cork Plate
Y-D08 41101 Lever
Y-D08 41121 Lever Hinge Screw
Y-D08 41131 Lever Spring
Y-D08 41051 String Screw – Both

INSIDE SLIDE PARTS

Y-D04 42122 Inside Slide Tube – Upper
Y-D04 42110 Inside Slide Tube – Lower
Y-D01 30622 Cork Barrel – Upper
Y-D04 30631 Cork Barrel – Lower
Y-D01 30700 Venturi Tube – Mouthpipe
Y-D01 91002 Slide Lock Ring w/ hook

OUTSIDE SLIDE PARTS

*Y-D04 42100 Outside Slide Tube – Upper
*Y-D04 42160 Outside Slide Tube – Lower
Y-D04 30641 Outside Slide Brace Flange – Upper
Y-D04 30651 Outside Slide Brace Flange – Lower
Y-D01 42181 Slide Lock Lug – solders on
*Y-D59 30710 Outside Slide Crook Assembly
*Y-D59 44660 Outside Slide Crook
Y-D01 30800 Outside Slide Crook Guard
Y-D04 44670 Outside Slide Crook Ferrule – Upper
Y-D04 44690 Outside Slide Crook Ferrule – Lower
A144 Rubber End Bumper
Waterkey parts same as YSL-354
* all parts except “ * “, will fit the YSL-356R

YBL-321 BASS TROMBONE (Made 1969 to 1979)

BELL PARTS

Y-D09 43010 Tuning Slide Crook
Y-D09 30600 Bell Brace
Y-D09 30022 F Tuning Slide Assembly
Y-D09 44201 Gooseneck

ROTARY VALVE PARTS

Y-D08 41031 Cork Plate
Y-D08 41051 Cork Plate Screw

Y-D08 41051 String Screw
Y-D08 41131 Lever Spring
Y-D08 41121 Lever Screw
Y-D09 96000 Back Bearing

INSIDE SLIDE PARTS

Y-D09 42111 Inside Slide Tube – .595"/15.11mm stocking
Y-D09 30620 Cork Barrel – Upper (lower is obsolete)
Y-D09 30701 Venturi Tube – Mouthpipe
Y-D07 91000 Slide Lock Ring

OUTSIDE SLIDE PARTS

Y-D09 42101 Outside Slide Tube – Both
Y-D09 44181 Slide Lock Lug
Y-D09 30713 Hand Slide Crook Assembly
Y-D01 30050 Waterkey
Y-D01 41310 Waterkey Spring
Y-D09 44710 Waterkey Saddle
Y-D01 44681 Waterkey Nipple
A144 Rubber End Bumper

YBL-322 BASS TROMBONE

(Made 1975 to 1994)

For Trombones Prior to Serial #17481

BELL PARTS

Y-D09 30602 Bell Brace Flange
Y-D09 30613 Hand Slide Receiver Assembly
Y-D09 44320 F Branch – Large
Y-D09 44330 F Branch – Small
Y-D09 44311 F Connection – Large
Y-D09 44341 F Connection – Small
Y-D09 44201 Gooseneck

ROTARY VALVE PARTS

Y-D08 41101 Lever
Y-D08 41031 Cork Plate
Y-D08 41051 Cork Plate Screw
Y-D08 41021 Cork Plate Rubber Bumper
Y-D08 41070 Stop Arm
Y-D08 41041 Stop Arm Retaining Screw
Y-D08 41051 String Screw
Y-D08 41131 Lever Spring
Y-D08 41121 Lever Screw

INSIDE SLIDE PARTS

Y-D09 42111 Inside Slide Tube - .595"/15.11mm
Y-D09 30622 Cork Barrel – Upper
Y-D09 30632 Cork Barrel – Lower
Y-D09 30701 Venturi Tube – Mouthpipe
Y-D09 91001 Slide Lock Ring – with hook

OUTSIDE SLIDE PARTS

Y-D09 42101 Outside Slide Tube
Y-D09 44181 Slide Lock Lug – solder on

Y-D01 30050 Waterkey
Y-D01 44701 Waterkey Saddle
Y-D01 41310 Waterkey Spring
Y-D01 44681 Waterkey Nipple
Y-D01 41302 Waterkey Screw
Y-D09 30713 Crook Assembly – (crook, guard & w/key saddle)
A144 Rubber End Bumper

YBL-322 TROMBONE

(After Serial #201001)

(Other parts are the same as YBL-322 Before Serial #17481)

BELL PARTS

Y-D09 30502 Bell – 9 ½"
Y-D09 30603 Front Bell Brace (Socket w/Flange)
Y-D09 30613 Hand Slide Receiver Assembly
Y-D34 42010 Valve Cap
Y-D09 30013 Tuning Slide Assembly
Y-D09 43011 Tuning Slide Crook
Y-D09 30023 F Tuning Slide Assembly

OUTSIDE SLIDE PARTS

Y-D09 30642 Brace – Upper (Long Parts)
Y-D09 30652 Brace – Lever (Socket w/Flange)
Y-D09 30713 Hand Slide Crook Assembly

INSIDE SLIDE PARTS

Y-D88 42120 Inside Slide – Upper
Y-D88 42110 Inside Slide – Lower
Y-D09 30701 Venturi Assembly
Y-D09 30623 Cork Barrel – Upper
Y-D09 30633 Cork Barrel – Lower
Y-D01 91002 Slide Lock Ring – with hook

YBL-421G TROMBONE

(Made 1995 →)

BELL PARTS

Y-D90 30501 Bell
Y-D90 30615 Hand Slide Receiver Assembly
Y-D90 30010 Main Tuning Slide Assembly
Y-D90 30020 F Tuning Slide Assembly
Y-D90 44331 F Branch – Small
Y-D90 44342 F Connection (Short)
Y-D90 44312 F Connection (Long)

OUTSIDE SLIDE PARTS

Y-D09 42103 Outside Slide Tube
Y-D09 30634 Cork Barrel – Lower
All other parts same as YBL-332 after serial #201001

MISCELLANEOUS TROMBONE PARTS

(Model & Notes)

COMPLETE HANDSLIDE ASSEMBLY

Y-D04 10022	YSL-3530R
Y-D06 10022	YSL-653 II
Y-D09 10025	YBL-421G

OUTSIDE HANDSLIDE ASSEMBLY

Y-D04 93000	YSL-356R
Y-D09 93001	YBL-321
Y-D22 93007	YSL-354 – Silver plated
Y-D24 93005	YBL-622

INSIDE HANDSLIDE ASSEMBLY

Y-D09 94002	YBL-322II R – after #201001
Y-D12 94001	YSL-645II – after #201001
Y-D21 94001	YSL-354 – b/4 #32816

BELLS

Y-D07 30503	YSL-647 II after #201001
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FRENCH HORN PARTS**YHR-311 SINGLE FRENCH HORN**
(Made 1972 to 1975)**MOUTHPIPE PARTS**

Y-E04 20520	Mouthpipe Assembly
Y-E01 44230	Mouthpipe Ferrule – Short

VALVE SECTION PARTS

Y-E01 41010	Valve Cap
Y-E01 42010	Back Bearing
Y-E01 41210	Lever Shaft
Y-E18 41240	Lever Shaft Nut
Y-E01 32060	#1 Lever
Y-E01 32070	#2 Lever
Y-E01 32080	#3 Lever
Y-E01 41051	String Screw – 2 needed
Y-E01 41131	Lever Spring
Y-E01 41030	Cork Plate
Y-E01 43561	Lever Bracket Ferrule

BRACES

Y-E01 30710	Bell to 1st Branch Brace
Y-E01 30791	Mouthpipe to Bell Brace

OTHER

Y-E01 31010	1st Branch
Y-E01 42301	Finger Hook
Y-E01 42310	Thumb Hook

BELL

Y-E01 30510	Bell
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YHR-313 SINGLE FRENCH HORN
(Made 1976 to 1993)**MOUTHPIPE PARTS**

Y-E01 20520	Mouthpipe Assembly
Y-E01 44230	Mouthpipe Ferrule – Short

VALVE SECTION PARTS

Y-E01 41011	Valve Cap
Y-E01 42010	Back Bearing
Y-E01 41211	Lever Shaft
Y-E18 41240	Lever Shaft Nut
Y-E01 41071	Stop Arm - #1
Y-E01 41081	Stop Arm - #2 or #3
Y-E01 32061	#1 Lever
Y-E01 32071	#2 Lever
Y-E01 32081	#3 Lever
Y-E01 43541	Lever Bracket
Y-E01 41231	Lever Bracket Screw
Y-E01 41131	Lever Spring
Y-E01 41041	Stop Arm Retaining Screw
Y-E01 41051	Cork Plate or String Screw
Y-E01 41030	Cork Plate
Y-E01 41020	Rubber Bumper
Y-E01 43561	F Lever Bracket with Ferrule

SLIDE PARTS

Y-E01 30101	Tuning Slide Assembly
Y-E01 30111	1st Slide Assembly
Y-E01 30121	2nd Slide Assembly
Y-E01 30131	3rd Slide Assembly
Y-E01 30140	Eb Tuning Slide

BRACES

Y-E01 30791	Mpc. Rec'r to Bell Brace
Y-E01 30710	Bell to 1st Branch Brace

OTHER PARTS

Y-E01 31010	1st Branch
Y-E01 42301	Finger Hook
Y-E01 42310	Thumb Hook
Y-E01 44200	1st Branch to Bell Ferrule

BELL

Y-E01 30510	Bell
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YHR-314 SINGLE FRENCH HORN
(Made 1994 to present)
(Same as Bach Model 1101)**MOUTHPIPE PARTS**

Y-E01 30522	Mouthpipe Assembly
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VALVE SECTION PARTS

Y-E18 41011	Valve Cap
Y-E01 41213	Lever Shaft

Y-E01 32212	#1 or #2 Lever
Y-E01 32232	#3 Lever
Y-E01 41132	Lever Spring
Y-E01 43543	Lever Bracket
Y-E01 31122	F Lever Bracket Ferrule
Other parts same as YHR-313	

SLIDE PARTS

Y-E01 30103	Tuning Slide Assembly
Y-E01 30133	1st Slide Assembly
Y-E01 30152	2nd Slide Assembly
Y-E01 30172	3rd Slide Assembly

BRACES

Y-E01 50372	Mpc. Rec'r to Bell Brace
Y-E01 35012	Bell to 1st Branch Brace

OTHER PARTS

Y-E01 45012	1st Branch
Y-E01 42301	Finger Hook
Y-E01 42311	Thumb Hook
Y-E01 45052	1st Branch to Bell Ferrule

BELL

Y-E01 30382	Bell
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YHR-561 DOUBLE FRENCH HORN
(Made 1980 to 1992)**MOUTHPIPE PARTS**

Y-E16 20520	Mouthpipe Assembly
Y-E16 42310	Mouthpipe Guard

VALVE SECTION PARTS

Y-E18 41210	Lever Shaft - #1, #2 & #3
Y-E18 41240	Lever Shaft Nut
Y-E18 41250	Lever Shaft - #4
Y-E16 32061	#1 Lever
Y-E16 32071	#2 Lever
Y-E01 32080	#3 Lever
Y-E11 32090	#4 Lever
Y-E04 41150	#4 Lever Spring
Y-E01 41081	#4 Stop Arm
Other parts same as YHR-313 Single French Horn	

SLIDE PARTS

Y-E11 30110	F Tuning Slide Assembly
Y-E01 30111	F – 1st Slide Assembly
Y-E01 30121	F – 2nd Slide Assembly
Y-E01 30131	F – 3rd Slide Assembly
Y-E04 30110	Bb – 1st Slide Assembly
Y-E04 30120	Bb – 2nd Slide Assembly
Y-E04 30130	Bb – 3rd Slide Assembly

BRACES

Y-E15 30710	Bell Brace
Y-E18 30720	Bell to 1st Branch Brace

Y-E18 30760	Bell to 2nd Branch Brace
Y-E15 30800	1st Branch to 1st Valve Brace
Y-E15 30810	1st Branch to 3rd Valve Brace
Y-E15 30840	2nd Branch to TS Brace

OTHER PARTS

Y-E01 30510	Bell
Y-E71 42110	Bell Guard
Y-E01 44200	Bell to 1st Branch Ferrule
Y-E15 42300	Finger Hook

YHR-567 DOUBLE FRENCH HORN (Current production) (Same as Bach Model 1102)

MOUTHPIPE PARTS

Y-E18 30522	Mouthpipe Assembly
Y-E21 90000	Waterkey Set

VALVE SECTION PARTS

1st, 2nd & 3rd Valves

Y-E18 41011	Valve Cap
Y-E01 41213	Lever Shaft
Y-E01 41081	Stop Arm - #1
Y-E01 41071	Stop Arm - #2 or #3
Y-E18 32212	#1 Lever
Y-E18 32222	#2 Lever
Y-E18 32232	#3 Lever
Y-E01 43543	Lever Bracket
Y-E01 41132	Lever Spring
Y-E01 41041	Stop Arm Retaining Screw
Y-E01 41030	Cork Plate
Y-E01 41051	String & Cork Plate Screw
Y-E01 41020	Rubber Bumper

4th Valve Parts

Y-E18 33201	Stop Arm
Y-E21 40991	Valve Cap
Y-E18 33352	Cork Plate
Y-E18 41272	String Screw
Y-E18 40902	Lever Spring
Y-E04 43712	4th Lever Bracket
Y-E01 41231	Lever Bracket Screw
Y-E04 41252	Lever Shaft
Y-E18 33362	Lever Connection Rod
Y-E18 41262	String Washer
Y-E75 41280	Lever Connection Screw
Y-E75 40970	Lever Connection Screw Spring
Y-E18 41342	Lever Assembly
Y-E18 32262	Thumb Lever
Y-E18 41602	Lever Adjusting Screw

SLIDE PARTS

Y-E18 30102	Main Tuning Slide Assembly
Y-E01 30103	Bb Tuning Slide Assembly
Y-E01 30133	F – 1st Slide Assembly
Y-E01 30152	F – 2nd Slide Assembly

Y-E01 30172	F – 3rd Slide Assembly
Y-E18 30142	Bb – 1st Slide Assembly
Y-E04 30162	Bb – 2nd Slide Assembly
Y-E04 30182	Bb – 3rd Slide Assembly

BRACES

Y-E01 50372	Mouthpiece Receiver to Bell
Y-E01 35012	Bell to 1st Branch (big w/ flange)
Y-E01 35032	Bell to 1st Branch (small)
Y-E18 35192	Bell to Bb 1st Slide
Y-E18 35173	1st Branch to F Branch
Y-E18 35212	1st Branch to F Outside Slide
Y-E18 50072	Main Outside Slide to F Branch
Y-E18 35132	Main Tuning Slide (big, sort of triangular)

OTHER PARTS

Y-E18 45012	1st Branch
Y-E18 46022	F Branch (4th valve to tuning slide)
Y-E01 46012	F Branch (1st valve to F branch crook)
Y-E18 46052	F Branch (crook, F branch to slide tube)
Y-E01 42301	Little Finger Hook

BELL

Y-E01 30382	Bell
Y-E71 42110	Bell Guard
Y-E19 30402	Screw Ring Assembly (YHR-567D) – Brass

YHR-662 DOUBLE FRENCH HORN (YHR-663 Same as YHR-662 with 2 pc. Bell) (Made 1974 to 1980)

MOUTHPIPE PARTS

Y-E16 20520	Mouthpipe Assembly
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VALVE SECTION PARTS

Y-E01 41010	Valve Cap
Y-E01 41211	Lever Shaft #1, #2, #3
Y-E01 41240	Lever Shaft Nut
Y-E16 32060	#1 Lever
Y-E16 32070	#2 Lever
Y-E16 32080	#3 Lever
Obsolete	#4 Lever
Y-E04 41150	#4 Lever Spring
Y-E16 43530	#4 Lever Saddle
Y-E01 41071	Stop Arm #1
Y-E01 41081	Stop Arm #2 or #3
Y-E04 41091	Stop Arm #4
Other parts same as YHR-313 Single French Horn	

SLIDE PARTS

Y-E16 30100	Main Tuning Slide Assembly
Y-E01 30111	F – 1st Slide Assembly
Y-E15 30150	F – 2nd Slide Assembly
Y-E15 30170	F – 3rd Slide Assembly
Y-E15 30110	F – Tuning Slide Assembly
Y-E15 30140	Bb – 1st Slide Assembly
Y-E15 30160	Bb – 2nd Slide Assembly

Y-E15 30180	Bb – 3rd Slide Assembly
Y-E15 30120	Bb – Tuning Slide Assembly

BRACES

Y-E15 30780	Bell to 3rd F Branch
Y-E15 30730	Slide Spacer Brace
Y-E01 50372	Mpc. Rec'r to Bell Brace
Y-E15 30710	Bell to 1st Branch Brace (YHR662)

OTHER PARTS

Y-E16 31010	1st Branch
Y-E15 42300	Finger Hook
Y-E15 31020	1st F Branch
Y-E16 31030	2nd F Branch
Y-E15 31040	3rd F Branch
Y-E16 30600	T.S. 90° Crook

BELL

Y-E01 30510	Bell – 1 Piece
Y-E16 30510	Bell – 2 Piece, flare only
Y-E45 44170	Bell Screw Ring Set – nickel

YHR-668 DOUBLE FRENCH HORN (Made 1994 to present)

MOUTHPIPE PARTS

Y-E26 30521	Mouthpipe Assembly
Y-E21 90000	Waterkey Assembly – w/key, spring and screw
Y-A35 43170	Waterkey Saddle w/ nipple

VALVE SECTION PARTS

Y-E18 41011	Valve Cap
Y-E71 41000	Back Bearing
Y-E18 41210	Lever Shaft
Y-E18 41240	Lever Shaft Nut
Y-E26 41250	Lever Shaft #4
Y-E01 41131	Lever Spring
Y-E26 32060	#1 & #2 Lever
Y-E26 32080	#3 Lever
Y-E26 32090	#4 Lever
Y-E04 41150	#4 Lever Spring
Y-E26 43550	#4 Lever Saddle w/Ferrule
Y-E01 41071	Stop Arm #1
Y-E01 41081	Stop Arm #2 & #3
Y-E18 41100	Stop Arm #4
Y-E01 41041	Stop Arm Retaining Screw
Y-E18 41190	Connecting Rod – All
Y-D52 41160	Connecting Rod Bushing – nylon
Y-E71 41170	Connecting Rod Screw
Y-E71 41050	String & Cork Plate Screw – All
Y-E71 41030	Cork Plate
Y-E01 41020	Rubber Bumper

SLIDE PARTS

Y-E26 30131	F – 1st Slide Assembly
Y-E26 30151	F – 2nd Slide Assembly
Y-E26 30171	F – 3rd Slide Assembly
Y-E26 30141	Bb – 1st Slide Assembly

Y-E26 30161	Bb – 2nd Slide Assembly
Y-E26 30181	Bb – 3rd Slide Assembly
Y-E26 30121	Bb Tuning Slide Assembly
Y-E26 30101	Main Tuning Slide Assembly
Y-E26 30111	F Tuning Slide Assembly (#1)
Y-E26 30251	F Tuning Slide Assembly (#2)

BRACES

Y-E01 50372	Mouthpipe to Bell
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OTHER PARTS

Y-E26 31011	1st Branch
Y-E01 42301	Finger Hook
Y-E26 43560	Lever Holding Bracket Ferrule

BELL

Y-E26 30511	Bell – 1 piece, brass
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MARCHING HORNS**YMP-204M MARCHING MELLOPHONE**
(Made from 2006 to present)**MOUTHPIPE PARTS**

Y-F40 30521	Mouthpipe Assembly
Y-F40 42300	Finger Hook – mounts on mouthpipe
Waterkey same as YTR-2335 Trumpet	

VALVE SECTION PARTS

Y-A11 30010	1st Piston
Y-A11 30020	2nd Piston
Y-A11 30030	3rd Piston
All other parts are the same as YTR-2335 Trumpet	

SLIDE PARTS

Y-F40 30101	Main Tuning Slide Assembly
Y-F40 30110	1st Slide Assembly
Y-F36 30120	2nd Slide Assembly
Y-F36 30130	3rd Slide Assembly
Y-A01 43510	Lyre Holder
Y-A31 41220	Lyre Holder Screw
Waterkeys are the same as YTR-2335 Trumpet	

BRACES

Y-F40 30711	Bell to Valve Casing
Y-F40 30721	Mouthpipe to Valve Casing
Y-F40 30841	Bell to MP Receiver Socket
Y-F40 45041	Bell to MP Receiver Bent Rod
Y-F40 42111	Mouthpipe to 3rd Slide Tube

OTHER PARTS

Y-F40 31011	1st Branch with Bell Ferrule
Y-F40 30510	Bell

YBH-301M MARCHING BARITONE HORN
(Made 1976 to present)

(Same as Bach Model 1106)

MOUTHPIPE PARTS

Y-G23 30520	Mouthpipe Assembly
Y-G23 44230	Mouthpiece Receiver
Y-G23 45730	Finger Hook

SLIDE PARTS

Y-G23 30100	Main Tuning Slide Assembly
Y-G23 30110	1st Slide Assembly
Y-G23 30120	2nd Slide Assembly
Y-G23 30130	3rd Slide Assembly

VALVE SECTION PARTS

Y-G23 30010	#1 Piston
Y-G23 30020	#2 Piston
Y-G23 30030	#3 Piston
Y-G01 41081	Upper Valve Stem
Y-G23 41190	Lower Auxiliary Stem
Y-G23 41200	Stem Spacer (2 needed)
Y-G21 41011	Finger Button
Y-F01 41092	Plastic Valve Guide w/ metal insert
Y-G21 41070	Valve Spring
Y-G21 41022	Top Cap – Lacquer
Y-G22 41022	Top Cap – Silverplate
Y-G21 41032	Bottom Cap – Lacquer
Y-G22 41032	Bottom Cap – Silverplate

BRACES

Y-G23 30860	Mpc. Receiver to Bell Bow
Y-G23 30770	Mouthpipe to 2 Valve Casing
Y-G23 30760	Bell to 2nd Valve Casing

OTHER PARTS

Y-A11 91000	Waterkey Ass'y (includes w/key, spring & screw)
Y-A01 41191	Waterkey Screw
Y-A01 41170	Waterkey Spring
Y-A01 41220	Lyre Holder Screw
Y-G01 43511	Lyre Holder
Y-G23 30510	Bell

YEP-202M MARCHING EUPHONIUM
(Made from 2006 until present)**MOUTHPIPE PARTS**

Y-G09 30520	Mouthpipe Assembly
Y-G09 43450	Mouthpipe Ferrule

VALVE SECTION PARTS

Same as YBH-301M

SLIDE PARTS

Y-G09 45730	Finger Hook
Y-G09 30110	1st Slide Assembly
Y-G09 90000	3rd Slide Waterkey Assembly
All other slide parts same as YBH-301M	

BRACES

Y-G23 30770	Mouthpipe to Valve Casing
Y-G09 30760	Bell to Valve Casing
Y-G09 30800	3rd Branch to Valve Casing
Y-G09 30710	Bell to 1st Branch
Y-G09 30720	Bell to 2nd Branch
Y-G09 30840	1st Branch to Mpc Rec'r – Branch Side
Y-G09 30980	1st Branch to Mpc Rec'r – Rec'r Side

OTHER PARTS

Y-G09 31010	Bell Bow
Y-G09 31020	1st Branch with Ferrule
Y-G09 31140	2nd Branch with Ferrule
Y-G09 30510	Bell

YBB-202M MARCHING TUBA
(Made from 2003 to present)**MOUTHPIPE PARTS**

Y-H0A 30520	Mouthpipe Assembly
Y-H0A 30770	Outside Tuning Slide Assembly
Y-H0A 36120	Mouthpipe Bow Assembly
Y-H0A 44140	Mouthpipe Aux. Tube
Y-H11 44213	Mouthpipe Ferrule – Aux. tube to Bow
Y-N11 41691	Mouthpipe Tightening (Wing) Screw
Y-H0B 49520	Adjusting Rod
Y-H0A 49530	Adjusting Nut (2 needed)
Y-H0A 90000	Waterkey Assembly (w/key, spring & screw)
Y-G11 42731	Waterkey
Y-G06 41190	Waterkey Screw
Y-G11 41161	Waterkey Spring
Y-G11 43381	Waterkey Saddle
Y-A01 44331	Waterkey Nipple

VALVE SECTION PARTS

Y-H0A 32420	Finger Ring – solders on
Other parts same as YBB-201II	

SLIDE PARTS

Y-H0A 30100	Main Tuning Slide Assembly
Y-H11 30112	1st or 3rd Slide Assembly
Y-H0A 30120	2nd Slide Assembly
Y-H16 30280	Pull Ring

BRACES

Y-H0A 33010	Bell to 1st Branch
Y-H0A 33030	Bell to 2nd Branch
Y-H0A 33050	Bow to 2nd Branch
Y-H0A 33200	Tuning Slide to Valve Casing

OTHER PARTS

Y-H0A 30510	Bell
Y-H0A 31010	Bell Bow with Ferrule
Y-H61 30290	Finger Ring – screws in
Y-H61 41220	Finger Ring Lock Nut

BARITONE HORN PARTS

YBH-301 BARITONE HORN

(Made 1976 to present)

MOUTHPiPE PARTS

Y-G26 20520	Mouthpipe w/Receiver – Silver
Y-G21 42268	Mouthpipe to Bell Brace – Silver

VALVE SECTION PARTS

Y-G25 30010	#1 Piston – .807"
Y-G25 30020	#2 Piston – .807"
Y-G25 30030	#3 Piston – .807"
Y-G21 41000	Finger Button
Y-G26 41080	Valve Stem – Silver
Y-F01 41092	Valve Guide – w/ metal insert
Y-G01 41130	Valve Guide Washer
Y-G21 41070	Valve Spring
Y-G26 41020	Top Cap – Silver
Y-G26 41030	Bottom Cap – Silver

SLIDE PARTS

Y-G26 30110	1st & 3rd Slide Assembly – Silver
Y-G26 30120	2nd Slide Assembly – Silver
Y-G26 30100	Main Tuning Slide Assembly – Silver

BELL

Y-G26 30510	Bell
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EUPHONIUM PARTS

YEP-201 EUPHONIUM

(YEP-201 S Specify Silver Plate)
Old Model – up to Serial # 035789
(Made 1972 to present)
(Same as Holton B625R)

MOUTHPiPE PARTS

Same as YEP-201II

SLIDE PARTS

Y-G01 30100	Tuning Slide Assembly
Y-G01 30121	2nd Slide Assembly
Y-G01 90000	Waterkey Ass'y (w/key, spring & screw)
Y-A01 30200	Tuning Slide Waterkey
Y-A01 41191	Waterkey Screw
Y-G01 41160	Waterkey Spring
Y-G11 43381	Waterkey Saddle

VALVE SECTION PARTS

*	#1, #2 & #3 Pistons
**	Top Cap
**	Bottom Cap
Y-G01 41010	Finger Button – Metal – Concave
Y-G03 41010	Finger Button – Metal – Silver
Y-G01 41080	Valve Stem
Y-G01 41090	Valve Guide – Metal
Y-G01 41120	Valve Guide Screw
Y-G01 41070	Valve Spring
* Old Style pistons with recessed metal valve guides are no longer available. Pistons from YEP-201II will work as long as stem and valve guide are changed.	

BRACES

Y-G01 42260	Mouthpipe Brace
Y-G01 30711	Bell to 1st Branch Brace
Y-G01 30740	Bell to 1st Valve Brace
Y-G01 30780	Bell to Tuning Slide Brace

BELL & OTHER PARTS

Same as YEP-201II

YEP-201II EUPHONIUM

(YEP-201IIS Specify Silver Plate)
New Model – After Serial #040001
(Made 1972 to present)
(Same as Bach 1103)

MOUTHPiPE PARTS

Y-G01 20520	Mouthpipe w/Receiver – Brass
Y-G03 20520	Mouthpipe w/Receiver – Silver
Y-G01 44230	Mouthpiece Receiver
Y-G01 44211	Mouthpipe Ferrule

SLIDE PARTS

Y-G01 30101	Tuning Slide Assembly
Y-G01 30111	1st or 3rd Slide Assembly
Y-G01 30121	2nd Slide Assembly
Y-G01 90000	Waterkey Assembly
Other waterkey parts same as YEP-201	

VALVE SECTION PARTS

Y-G01 30011	#1 Piston
Y-G01 30021	#2 Piston
Y-G01 30031	#3 Piston
**	Top Cap
**	Bottom Cap
Y-G01 41011	Finger Button – No Pearl – Flat – Brass
Y-G03 41011	Finger Button – No Pearl – Flat – Silver
Y-G01 41081	Valve Stem
Y-G01 41130	Valve Guide Washer
Y-G01 41092	Valve Guide – Plastic w/ metal insert
Y-G01 41070	Valve Spring

** VALVE CAPS **

For all euphoniums
Prior to Serial #100,001 (before 1988)
Y-G31 41020 Top Cap – Fine thread
Y-G01 41030 Bottom Cap – Fine thread
After Serial #100,001 (after 1988)
Y-G31 41022 Top Cap – Coarse thread
Y-G31 41032 Bottom Cap – Coarse thread

VALVE FELTS AND PADS

For all euphoniums

FINGER BUTTON

Y-G01 41109	Felt – 18mm (pkg. of 100)
Y-G01 41149	Foam Pad – 18mm (pkg. of 100)

VALVE STEM

Y-G01 41068	Felt – 14mm (pkg. of 100)
Y-G01 41159	Foam Pad – 14mm (pkg. of 100)

BRACES

Y-G01 30711	Bell to Branch Brace
Y-G01 42261	Mouthpipe Brace

BELL & OTHER PARTS

Y-G01 30510	Bell – Upright
Y-G01 42300	Finger Hook
Y-G01 43511	Lyre Holder
Y-A01 41220	Lyre Holder Screw
Y-G01 42101	Bow Guard – small, no rib

YEP-211 EUPHONIUM

(YEP-211S Specify Silver Plate)
(Made 1973 to present)
(Same as Bach 1104)

MOUTHPiPE PARTS

Y-G06 30529	Mouthpipe w/Receiver
Y-G01 44230	Mouthpiece Receiver
Y-G01 44211	Mouthpipe Ferrule

SLIDE PARTS

Y-G06 30100	Tuning Slide Assembly
Y-G06 30110	1st Slide Assembly
Y-G06 30120	2nd Slide Assembly
Y-G06 30130	3rd Slide Assembly
Y-G06 43210	1st Valve Return Crook
Y-G06 43230	3rd Valve Return Crook
Y-G11 90001	T. S. Waterkey Ass'y (w/key, spring & screw)
Y-G11 42731	Tuning Slide Waterkey
Y-G06 41190	Waterkey Screw
Y-G06 41160	Waterkey Spring
Y-G11 43381	Waterkey Saddle

VALVE SECTION PARTS

Y-G06 30010	#1 Piston
Y-G06 30020	#2 Piston
Y-G06 30030	#3 Piston
**	Top Cap
**	Bottom Cap
Y-G01 41011	Finger Button – No Pearl – Flat
Y-G01 41081	Valve Stem
Y-G01 41130	Valve Guide Washer
Y-G01 41092	Valve Guide – Plastic w/ metal insert
Y-G01 41070	Valve Spring

BRACES

Y-G06 42260	Mouthpipe Brace
Y-G06 30710	Bell Stem to Branch Brace
Y-G06 30720	1st Return Crook to 2nd Slide Brace
Y-G06 30760	TS Tube to Bow (large side) Brace
Y-G06 30770	TS Tube to Bow (small side) Brace
Y-G06 30780	Branch to 3rd Slide Brace
Y-G06 30790	Branch to 1st Slide Brace

BELL & OTHER PARTS

Y-G06 30510	Bell – bell front
Y-G06 31010	Bow & Bell Stem Assembly
Y-G06 31020	Branch Assembly
Y-G06 30260	Finger Ring
Y-G06 42100	Bow Guard – big, w/rib

YEP-321 EUPHONIUM – 4 VALVE
 (YEP-321 S Specify Silver Plate)
 (Made 1969 to present)
 (Same as Holton B302R)

MOUTHPIPE PARTS

Same as YEP-201II model

SLIDE PARTS

Y-G11 30100	Tuning Slide Assembly
Y-G11 30110	1st & 3rd Slide Assembly
Y-G11 30120	2nd Slide Assembly
Y-G11 30140	4th Slide Assembly
Y-G11 42731	TS Waterkey
Y-G06 41160	Waterkey Spring
Y-G06 41190	Waterkey Screw
Y-G11 43381	Waterkey Saddle
Y-G11 30270	Slide Pull Ring

VALVE SECTION PARTS

Y-G11 30040 #4 Piston
 All other parts including #1, #2, #3 pistons are the same as YEP-201II Euphonium.

BELL & BRACES

Y-G11 42260	Mouthpipe Brace
Y-G11 30710	Brace – Bell to 1st Branch
Y-G11 30740	Brace – Bell to 1st Slide
Y-G11 30780	Brace – Bell to 4th Slide – Short

Y-G11 30810	Brace – Bell to 4th Slide – Long
Y-G11 42100	Bow Guard
Y-G11 30510	Bell – upright

TUBA PARTS

YBB-102 BBb TUBA
 (Made 1972 to 1976)

MOUTHPIPE PARTS

Y-H01 30529	Mpipe Tube (very long w/"Horseshoe" bend)
A221	Mouthpiece Receiver

SLIDE PARTS

Y-H01 30200	Tuning Slide Waterkey
Y-H01 41190	Waterkey Screw
Y-H01 41160	Waterkey Spring

VALVE SECTION PARTS

Y-H01 41020	Top Cap
Y-H01 41030	Bottom Cap
Y-H01 41070	Piston Spring
Pistons are obsolete	

YBB-103 BBb TUBA
 (Made 1976 to 1992)
 (Same as Holton BB662R)

MOUTHPIPE PARTS

Y-H01 20531	Mouthpipe w/Receiver
(Mouthpipe goes into Main TS before going into valve)	
A221	Mouthpiece Receiver
Y-H01 44211	Mouthpipe Ferrule

SLIDE PARTS

Y-H01 30101	Tuning Slide Assembly
Y-H01 30121	2nd Slide Assembly
Y-H01 30131	3rd Slide Assembly
Y-G11 90001	Waterkey Assembly
Y-G06 41190	Waterkey Screw
Y-H01 41161	Waterkey Spring
Y-H01 45011	Crook Ferrule

VALVE SECTION PARTS

(prior to Serial #20001)

* Pistons are no longer available *

Other parts are the same as YEP-201 Euphonium

VALVE SECTION PARTS

(after Serial #20001)

* Pistons are no longer available *

Y-G01 41010	Finger Button – no pearl, concave
Y-G03 41010	Finger Button – Metal – Silver
Y-G01 41011	Finger Button – no pearl, flat
Other parts are the same as YEP-201II Euphonium	

BRACES

Y-H01 41241	Brace Screw – 3x.5mm 10.6mm long (3/8")
Y-H01 41231	Brace Screw – 4x.7mm 16.6mm long (5/8")

OTHER PARTS

Y-H01 30271	Strap Ring – 3rd Branch
Y-H01 30261	Strap Ring – Bottom Bow
Y-H01 31091	3rd Branch Ring
Y-H01 31101	4th Branch Ring
Y-H01 41231	Branch Ring Screw – 4x.7mm 16.6mm long (5/8")
Y-H01 31011	Bottom Bow Assembly – includes guard cap
Y-H01 42110	Bottom Bow Guard

YBB-104 CONVERTIBLE TUBA
 (YBB-104S Specify Silver Plate)
 (Made 1981 to 1994)
 (Same as Holton BB661R except mouthpipe)

MOUTHPIPE PARTS

Y-H06 30520	Marching Mouthpipe Assembly
Y-H06 30530	Concert Mouthpipe Assembly
Y-H06 30550	Marching Mouthpipe - 'S' Shape
Y-H06 30560	Marching Mouthpipe - 'U' Shape
Y-H06 44220	Mouthpipe Slide (Concert)
Y-N11 41691	Mpipe Receiver Clamp screw

SLIDE PARTS

Y-H06 30100	Tuning Slide Assembly
Y-H06 30110	1st Slide Assembly
Y-H06 30120	2nd Slide Assembly
Y-H06 30130	3rd Slide Assembly
Y-H06 43512	Lyre Holder
Y-A31 41220	Lyre Holder Screw
Y-A31 30200	Waterkey
Y-A01 41160	Waterkey Spring
Y-A01 41190	Waterkey Screw
Y-A01 43380	Waterkey Saddle
Y-A01 43390	Waterkey Nipple

VALVE SECTION PARTS

(prior to Serial #003326)

Y-H06 30010	#1 Piston
Y-H06 30020	#2 Piston
Y-H06 30030	#3 Piston
Y-G11 41000	Finger Button w/Pearl
Other valve parts are the same as YEP-201 Euphonium	

VALVE SECTION PARTS

(after Serial #003327)

Y-H06 30011	#1 Piston
Y-H06 30021	#2 Piston
Y-H06 30031	#3 Piston
Other valve parts are the same as YEP-201II Euphonium	

BRACES

Y-H06 30870	Bell to Receiver Brace – Concert (3 pc)
Y-N11 41691	Brace U Clamp Screw
Y-H06 30860	1st Branch to Tuning Slide
Y-H06 30850	1st Branch to 3rd Slide – Lower

OTHER PARTS

Y-H06 31100	4th Branch Ring
Y-H01 41231	4th Ring Screw – 4x.7mm 16.6mm long (5/8")
Y-H01 31011	Bottom Bow Assembly – includes guard
Y-H01 42110	Bottom Bow Guard

YBB-105 & YBB-105M Bb TUBA

(Same as Bach Model 1107 & Holton BB663R)

MOUTHPIPE PARTS

YBB-105

Y-H06 30522	Mouthpipe w/Receiver
Y-H06 45382	Brace – Bell to Mouthpipe – solders on
Y-H06 30772	Outside Tuning Slide Ass'y

YBB-105M

Y-H04 30520	Concert Mouthpipe Ass'y
Y-H04 33330	Brace – Bell to Mouthpipe
Y-H04 30770	O.S. Tuning Slide Ass'y
Y-H04 30530	Marching Mouthpipe Ass'y
Y-H04 48030	Brace – Connecting Arm
Y-H33 43520	Brace – Connecting Arm Ass'y
Y-G04 41230	Brace – Tightening Screw (2 needed)
Y-G04 43540	Brace – Connecting
Y-G01 90000	Waterkey Ass'y (w/key, spring & screw)
Y-N11 41691	Brace Clamp Screw
Y-H06 47112	Brace – T.S. to 1st Valve Slide

VALVE SECTION PARTS

Y-H06 30012	#1 Piston
Y-H06 30022	#2 Piston
Y-H06 30032	#3 Piston
Y-G01 41011	Finger Button – no pearl, flat
Y-G31 41022	Top Cap
Y-G31 41032	Bottom Cap
Y-G01 41081	Valve Stem
Y-G01 41070	Valve Spring
Y-G01 41092	Valve Guide – Plastic w/ metal insert
Y-G01 41130	Valve Guide Washer

SLIDE PARTS

Y-H06 30112	1st Slide Assembly
Y-H06 30122	2nd Slide Assembly
Y-H06 30132	3rd Slide Assembly (folds back on itself)
Y-H06 30102	Main Tuning Slide Assembly – YBB-105
Y-H04 30100	Main Tuning Slide Assembly – YBB-105M
Y-G01 90000	Main T. S. Waterkey Ass'y (w/key, spring & screw)

Y-G01 41160	Waterkey Spring
Y-G06 41190	Waterkey Screw
Y-G11 43381	Waterkey Saddle

BRACES

Y-H06 47112	T.S. to 1st Valve Slide
Y-H06 33012	Bow to 2nd Branch

BELL & OTHER PARTS

Y-H01 30511	Bell
Y-H01 31011	Bottom Bow Assembly – includes guard
Y-H01 42110	Bottom Bow Guard
Y-H06 30262	Strap Ring
Y-H06 43512	Lyre Holder
Y-A01 41220	Lyre Holder Screw

YBB-201 & YBB-201II BBb BASS TUBA

(Made 1972 to 1997)

(Same as Bach Model 1108)

MOUTHPIPE PARTS

Y-H11 30529	Mouthpipe w/Receiver – YBB-201
Y-H11 30530	Tuning Bit – YBB-201
Y-H11 30521	Mouthpipe w/Receiver – YBB-201II
Y-H11 44511	M.P. Aux. Tube (curved) – YBB-201II
Y-H11 44212	M.P. Ferrule Ass'y – YBB-201II (2 pieces w/ nut)
Y-H11 44230	Mouthpiece Receiver – all tubas

SLIDE PARTS

Y-H11 30100	Tuning Slide Assembly – YBB-201II only
Y-H11 30120	2nd Slide Assembly
Y-H11 30112	*1st or 3rd Slide Assembly – Slide tube length 5 5/8" or 14.3cm
Y-H16 30131	*3rd Slide Assembly – Folds back on itself
Y-H11 30210	1st Slide Waterkey
Y-H01 90000	T. S. Waterkey Ass'y (w/key, spring & screw)
Y-H01 30200	Tuning Slide Waterkey
G06 41190	Waterkey Screw
G06 41160	Waterkey Spring

3 different 3rd slides are available for these horns please measure

VALVE SECTION PARTS

(prior to serial #11031)

Y-H11 41011	Finger Button – no pearl
Y-H11 41080	Valve Stem
Y-G01 41090	Valve Guide - metal
Y-G01 41120	Valve Guide Screw
Y-H11 41070	Valve Spring
see below	* #1, #2, #3 Pistons
**	Valve Caps – Top & Bottom

VALVE SECTION PARTS

(after serial #11032)

Y-H11 30010	* #1 Piston
Y-H11 30020	* #2 Piston
Y-H11 30030	* #3 Piston
**	Valve Caps – Top & Bottom
Y-H11 41011	Finger Button
Y-H11 41081	Valve Stem
Y-G01 41092	Valve Guide – Plastic w/ metal insert
Y-G01 41130	Valve Guide Washer
Y-H11 41070	Valve Spring
Y-H11 44521	1st Valve Knuckle – Lg
Y-H11 44531	1st Valve Knuckle – Sm
Y-H11 44541	2nd Valve Knuckle
Y-H11 44561	3rd Valve Knuckle – Lg
Y-H11 44551	3rd Valve Knuckle – Sm

*** These valves will work on pre-#11032 tubas as long as valve stem and guide parts are changed.**

* **VALVE CAPS * *

Prior to Serial #100,001 (before 1988)

Y-H11 41020	Top Cap – Fine thread
Y-H11 41030	Bottom Cap – Fine thread

After Serial #100,001 (after 1988)

Y-H11 41022	Top Cap – Coarse thread
Y-H11 41032	Bottom Cap – Coarse thread

VALVE FELTS AND PADS

Y-H11 41109	Felt – 22mm (pkg. of 100)
Y-H11 41139	Foam Pad – 22mm (pkg. of 100)

BRACES

YBB-201 with non-removable valve section

Y-H11 42260	Mouthpipe Brace
Y-H11 30710	Bell to 1st Branch Brace
Y-H11 30820	Bell to 2nd Branch Brace
Y-H11 30720	1st to 3rd Branch Brace – small
Y-H11 30730	1st to 3rd Branch Brace – large
Y-H11 30741	1st Branch to “S” Tube Brace

BRACES

YBB-201II with removable valve section

Y-H11 30741	1st Branch to “S” Tube Brace Set
Y-H11 30791	1st Branch to 3rd Valve Brace Set
Y-H11 30791	Bell to 1st Valve Brace Set
Y-H11 30791	Bow to 3rd Valve Brace Set

Other braces same as YBB-201

OTHER PARTS

Y-H11 30260	Strap Ring – Small
Y-A01 41220	Lyre Screw
Y-H11 42300	Finger Hook
Y-H11 42100	Bow Guard

YBB-321 BBb BASS - 4 VALVE

(Same as Bach Model 1109 & Holton BB346R)

MOUTHPIPE PARTS

Same as YBB-201II Tuba

SLIDE PARTS

Y-H16 30100 Tuning Slide Assembly – after #100962
 Y-H16 30101 Tuning Slide Assembly – b/4 #100962
 Y-H16 30110 1st Slide Assembly
 Y-H16 30120 2nd Slide Assembly
 Y-H16 30131 3rd Slide Assembly – folds back on itself
 Y-H16 30140 4th Slide Assembly
 Waterkey parts same as YBB-201 Tuba

VALVE SECTION PARTS

Y-H16 30040 #4 Piston – use Y-G01 41090 Valve Guide
 Y-H11 30500 Valve Casing Assembly – less valves (4 valve)
 Other valve parts, including #1, #2, #3 pistons, same as YBB-201 & YBB-201II Tuba

BELL & OTHER PARTS

Y-H16 30510 Bell
 Y-H16 31010 Bottom Bow Assembly
 Y-H11 42100 Bottom Bow Guard
 Y-H16 31020 1st Branch
 Y-H16 31040 3rd Branch
 Y-H16 43240 4th Valve 90° Crook - #1
 Y-H16 43250 4th Valve Branch - #2
 Y-H16 43260 4th Valve Branch - #3

YBB-641II – 4 VALVE ROTARY TUBA

(Made 1987 to present)

Serial #15000 →

MOUTHPIPE PARTS

Y-H21 44231 Mouthpiece Receiver
 Y-H21 44270 *Mouthpipe Assembly – w/ receiver
 Y-H21 44280 *Mouthpipe Branch Assembly
 Y-H21 44290 Mouthpipe Ferrule
 Y-H21 44211 Mouthpipe Clamp
 *Old Mouthpipe was 1 piece now it's 2

VALVE SECTION PARTS

Y-H21 32061 1st Lever
 Y-H21 32071 2nd Lever
 Y-H21 32081 3rd Lever
 Y-H21 32091 4th Lever
 Y-H21 41130 Lever Spring
 Y-H21 41141 Lever Connecting Rod
 Y-H21 41201 Connecting Lever Bushing
 Y-E18 41170 Lever Connecting Screw
 Y-H21 41171 Rod End Bearing Adjusting Nut
 Y-H21 40390 Rod End Bearing
 Y-H21 41161 Rod End Bearing Screw
 Y-H21 41041 Stop Arm Retaining Screw

Y-H21 41031 Cork Plate
 Y-H21 41050 Cork Plate Screw
 Y-D08 41021 Rubber Bumper
 Y-H21 41071 #1 or #2 Stop Arm
 Y-H21 41081 #3 or #4 Stop Arm
 Y-H21 42011 Valve Cap
 Y-H21 41120 Lever Hinge Rod
 Y-E18 41240 Lever Hinge Rod Nut
 Y-H21 41190 Lever Holder
 Y-H21 41200 Lever Holder Screw
 Y-H21 41100 Lever Bar Support (2nd Valve)
 Y-H21 41110 Lever Bar Support (4th Valve)

SLIDE PARTS

Y-H21 30110 1st, 3rd or 4th Slide Assembly
 Y-H21 30120 2nd Slide Assembly
 Y-H21 30101 Main Tuning Slide Assembly

OTHER PARTS

Y-H21 90001 Waterkey Ass'y (w/key, spring & screw)
 Y-H21 30201 Waterkey
 Y-H21 41301 Waterkey Screw
 Y-H21 41311 Waterkey Spring
 Y-H21 43381 Waterkey Saddle
 Y-H21 30602 Waterkey Branch
 Y-H21 30261 Strap Ring – Bell
 Y-H21 30270 Strap Ring – Bow
 Y-H21 30872 Brace – Bell to 4th Slide Tube
 Y-H21 30922 Brace – Mouthpipe Branch to 1st Branch

SOUSAPHONE PARTS

YSH-301 FIBERGLASS /YSH-411 BRASS
 (YSH-301S & YSH-411S Specify Silver Plate)
 (Bach model 1111 same as YSH-411)

MOUTHPIPE PARTS

Y-J01 30520 Upper Mouthpipe Assembly – 301 & 411
 Y-J01 30540 *Tuning Bit – 45° - Prior to Ser. #100,001
 Y-J01 30531 *Tuning Bit – 20° - After Ser. #100,001
 Y-J03 30540 Tuning Bit – 45° - Silver
 Y-J03 30531 Tuning Bit – 20° - Silver
 Y-J01 30530 Lower Mouthpipe Receiver
 Y-N11 41691 Lower Mouthpipe Receiver Screw
 Y-N11 42400 Lyre Holder
 Y-A01 41220 Lyre Holder Screw
 Y-J01 44240 Lower Mouthpipe Tube – solders on
 * Both tuning bits listed are needed for any YSH-411 sousaphone, any serial #
 *Only one bit is needed for YSH-301 sousaphone, refer to serial # for correct one

VALVE SECTION PARTS

(up to Serial #004276)
 Y-J01 30010 #1 Piston
 Y-J01 30020 #2 Piston
 Y-J01 30030 #3 Piston
 ** Top Cap

** Bottom Cap
 Y-G01 41011 Finger Button
 Y-H11 41080 Valve Stem
 Y-G01 41090 Valve Guide – Metal
 Y-G01 41120 Valve Guide Screw
 Y-H11 41070 Valve Spring

VALVE SECTION PARTS

(after Serial #004277)

Y-J01 30011 #1 Piston
 Y-J01 30021 #2 Piston
 Y-J01 30031 #3 Piston
 ** Top Cap
 ** Bottom Cap
 Y-H61 41001 Finger Button – Brass
 Y-H18 41011 Finger Button – Silver
 Y-H11 41081 Valve Stem
 Y-G01 41092 Valve Guide – Plastic w/ metal insert
 Y-G01 41130 Valve Guide Washer
 Y-H11 41070 Valve Spring

VALVE FELTS & PADS

Y-H11 41109 Felt – 22mm (pkg of 100)
 Y-H11 41139 Foam Pad – 22mm (pkg of 100)

**** VALVE CAPS ******Prior to Serial #100,001 (before 1988)**

Y-H11 41020 Top Cap – Fine thread
 Y-H11 41030 Bottom Cap – Fine thread

After Serial #100,001 (after 1988)

Y-H11 41022 Top Cap – Coarse thread
 Y-H11 41032 Bottom Cap – Coarse thread

WATERKEY PARTS

Y-G06 90000 Waterkey Ass'y (w/key, spring & screw)
 Y-G11 42731 Waterkey
 Y-G06 41190 Waterkey Screw
 Y-G06 41160 Waterkey Spring
 Y-G11 43381 Waterkey Saddle

BODY PARTS

Y-J01 41250 Branch Ring Screw – Small
 Y-J01 41270 Branch Ring Screw – Large
 Y-J01 41210 Bell Screw – YSH-301
 Y-J01 41281 Bell Screw – YSH-411
 Y-J01 30260 Thumb Ring
 Y-J06 35650 4th to 5th Branch Rec'r – Female for YSH-411
 Y-H01 41231 Branch Receiver Screw (tightening screw)

PICCOLO PARTS

YPC-31 PICCOLO - ABS Resin
 (Made 1969 to 1979)

BODY PARTS

Y-K01 10020 Head Joint with Crown Ass'y

SCREWS, KEYS & OTHER PARTS

Same as YPC-32 Piccolo

YPC-32 PICCOLO – ABS Resin (Made 1980 to present)

BODY PARTS

Y-K01 10021	Head Joint with Crown Ass'y
Y-K01 20011	Body – less keys
Y-K01 31020	Head Crown – Metal
Y-K01 30020	Head Cork Ass'y (carrier, cork & nut)
Y-K01 41100	Head Cork
Y-K01 32020	Head Cork Carrier (screw with plate)
Y-K01 41190	Head Cork Retaining Nut
Y-K01 41420	Pinning Needles
Y-K01 42020	Lower Body Ring

SCREWS

Y-K01 93000	Shaft Set
Y-K01 41430	Pivot Screw
Y-K01 41440	Rib Screw

KEYS

Y-K01 30081	D# Key
Y-K01 30091	D Key
Y-K01 30101	F# Joint
Y-K01 30112	E Key
Y-K01 30121	F Key
Y-K01 30132	F# Key
Y-K01 30141	G# Lever Key
Y-K01 30151	Bb# Lever
Y-K01 30161	G# Key – for split E mech.
Y-K01 30171	G Key
Y-K01 30181	A Key
Y-K01 30191	Bb Key
Y-K01 30201	C Key
Y-K01 30241	B Key – thumb
Y-K01 30251	Bb Aux. Lever – thumb
Y-K01 30211	D# Trill Lever
Y-K01 30221	D Trill Lever
Y-K01 30231	D# Trill Key
Y-K01 20051	Right Hand Section Complete
Y-K01 20061	Left Hand Section Complete
Y-K01 20071	Trill Key Section Complete

YPC-61 GRENADILLA PICCOLO (Made 1971 to 1979)

BODY PARTS

Y-K03 31020	Head Crown – Plastic
Y-K03 10021	Head Joint with Crown Ass'y
Y-K03 20010	Body – less keys

SCREWS & KEYS

Same as YPC-32

OTHER PARTS

Other parts same as YPC-32

YPC-62 GRENADILLA PICCOLO (Made 1980 to present)

BODY PARTS

Y-K03 10021	Head Joint with Crown Ass'y
Y-K03 20011	Body
Y-K01 43090	Joint Cap – plastic

SCREWS, KEYS & OTHER PARTS

Same as YPC-32 Piccolo

FLUTE PARTS

YFL-21S PLATEAU FLUTE

Specify Nickel or Silver Plate

(All parts are obsolete when gone)

BODY PARTS

Y-L03 20020	Foot Joint – less keys – Silver
Y-L12 20020	Foot Joint – less keys – Nickel

KEYS

Y-L03 30070	C# Key
Y-L03 30080	D# Key
Y-L03 30100	F# Joint
Y-L03 30120	F Key
Y-L03 30140	Bb Lever
Y-L03 30150	A Key
Y-L03 30160	Bb Key
Y-L03 30170	C Key
Y-L03 30220	B Key Thumb
Y-L03 30240	D# Trill Lever
Y-L03 30250	D Trill Key
Y-L03 30260	D# Trill Key

OTHER PARTS

Same as YFL-221S to F100AS

YFL-24S & YFL-24N PLATEAU FLUTE

Specify Nickel or Silver Plate

(Made from 1973 to 1979)

BODY PARTS

Y-L22 10021	Head with Crown Ass'y
Y-L16 20011	Body – less keys

Other parts same as YFL-21S Flute

KEYS

Y-L14 30110	E Key
Y-L14 30130	F# Key
Y-L14 30200	G Key

Other keys same as YFL-21S Flute

OTHER PARTS

Same as YFL-21S Flute

YFL-28S OPEN HOLE FLUTE (Made from 1976 to 1978)

BODY PARTS

Y-L22 20011	Body – Less Keys
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Other body parts same as YFL-21S Flute

KEYS

Y-L20 30090	D Key
Y-L20 30110	E Key
Y-L20 30120	F Key
Y-L14 30130	F# Key
Y-L22 30140	Bb Lever
Y-L22 30160	Bb Key

Other keys same as YFL-21S Flute

OTHER PARTS

Y-L19 44510	Open Hole Plugs – sold in 10's
Y-L19 44500	Open Hold Pad Grommets - Sold in 10's
Y-L02 93000	Shaft Set

Other parts same as YFL-21S Flute

YFL-221S, 225S, 321, 421, 325, F100AS & F100S PLATEAU FLUTES Silver Plate

BODY PARTS - YFL-225S

Y-L16 20012	Body – less keys
Y-L03 30023	Foot Joint – less keys
Y-L22 10021	Head Joint with Crown Ass'y

KEYS - fit all

Y-L03 30071	C# Key
Y-L03 30091	D Key
Y-L03 30100	F# Joint
Y-L14 30111	E Key
Y-L14 30131	F# Key
Y-L03 30141	Bb Lever
Y-L03 30151	A Key
Y-L03 30161	Bb Key
Y-L03 30171	C Key
Y-L03 30211	G# Key
Y-L03 30221	B Key – Thumb
Y-L03 30241	D# Trill Lever

Y-L03 30251	D Trill Key
Y-L03 30261	D# Trill Key
Y-L03 20071	Trill Key Section Complete
Keys not listed are obsolete	

OTHER PARTS – fit all

Y-L03 30021	Head Crown Assembly
Y-L03 31021	Head Crown
Y-L03 32021	Head Cork Carrier (screw with plate)
Y-L01 41191	Head Cork Retaining Nut
A474	Head Cork – sold in dz's.
Y-L01 97001	Adjusting Screw Set
Y-L03 41262	C Key Roller
Y-L01 41272	C Key Roller Screw
Y-L01 41010	D# Key Bumper
Y-L01 41020	Trill Key Bumper
Y-L01 41430	Pivot Screws
Y-L01 41180	Flat Spring Screw
Y-L01 41460	Pad Screws
Y-L01 99000	Pad Washer Set (13 piece set)
Y-L01 93000	Shaft Set
Y-L01 41110	Flat Spring – 2 holes
Y-L01 41420	Knock Pin

YFL-221N & YFL-225N PLATEAU FLUTES
Nickel Plate**BODY PARTS**

Y-L15 20012	Body – less keys
Y-L11 20021	Foot Joint – less keys
Y-L26 10021	Head Joint with Crown Ass'y

KEYS

Y-L11 30062	Low C Key
Y-L11 30071	C# Key
Y-L11 30081	D# Key
Y-L11 30091	D Key
Y-L11 30100	F# Joint
Y-L13 30111	E Key
Y-L11 30121	F Key
Y-L13 30131	F# Key
Y-L11 30141	Bb Lever
Y-L11 30151	A Key
Y-L11 30161	Bb Key
Y-L11 30171	C Key
Y-L13 30201	G Key
Y-L11 30231	Bb Aux Lever – Thumb
Y-L11 30241	D# Trill Lever
Y-L11 30251	D Trill Key
Y-L11 30261	D# Trill Key
Y-L11 20063	Left Hand Section Complete
Y-L13 20053	Right Hand Section Complete
Y-L01 30241	Trill Key Section Complete

OTHER PARTS

Y-L01 31021	Head Crown
Y-L01 32021	Head Cork Carrier (screw with plate)
Y-L01 41191	Head Cork Retaining Nut

A474	Head Cork – sold in dz's.
Y-L11 41262	C Key Roller
Y-L01 91001	Cork & Felt Set
Y-L01 92000	Needle Spring Set
Other parts same as YFL-221S to F100S	

YFL-221SII, 225SII, 321II, 421II, 325II, 100SII & F100ASII PLATEAU FLUTES
Silver Plate**BODY PARTS – YFL-225S-II**

Y-L16 20013	Body – Less Keys
Y-L03 30023	Foot Joint – Less Keys
Y-L22 10021	Head

KEYS

Y-L03 30223	B Key – Thumb
Y-L03 30233	Bb Aux Lever – Thumb
All other keys same as YFL-221S to F100S	

OTHER PARTS

Y-L12 93000	Shaft Set
All other parts same as YFL-221S to F100S	

YFL-221 PLATEAU FLUTE
(after serial number 754559 →)**BODY PARTS**

Y-L12 10022	Complete Head Joint Ass'y
Y-L72 20015	Body Ass'y (with springs)
Y-L03 10042	Complete Foot Joint Ass'y (w/Keys)
Y-L03 30025	Foot Joint (less keys)

KEYS

Y-L14 20055	Complete Right Hand Section
Y-L12 20060	Complete Left Hand Section
Y-L03 20071	Complete Trill Section
Y-L03 30241	D# Trill Lever
Y-L03 30251	D Trill Key
Y-L03 30223	Thumb B Key
Y-L03 30233	Thumb B Flat Aux Lever
Y-L03 30261	D# Trill Key
Y-L03 30171	C Key
Y-L01 30154	A Key
Y-L01 30164	B Flat Key
Y-L01 30144	B Flat Lever
Y-L14 30203	G Key Assembly
Y-L03 30213	G# Key (with spring)
Y-L14 30135	F# Key
Y-L01 30104	F# Joint
Y-L01 30125	F Key
Y-L14 30114	E Key
Y-L01 30094	D Key
Y-L03 30083	D# Key (Foot Joint)
Y-L03 30073	C# Key (Foot Joint)
Y-L03 30063	Low C Key (Less Roller)

OTHER PARTS

Y-L01 41272	C Key Roller Shaft (Hinge Rod)
Y-L03 41250	C Key Roller
Y-L01 41420	Knock Pin (Pinning Needle)
Y-L01 41110	Flat Spring
Y-L01 41180	Flat Spring Screw
Y-L01 41430	Pivot Screw
Y-L01 30802	Adjusting Screw
Y-L01 93001	Hinge Rod Set
Y-L01 41460	Pad Screw
Y-L01 41441	Pad Washer C
Y-L01 41451	Pad Washer D
Y-L01 41010	Key Cork
Y-L01 41020	Trill Key Bumper
PS150	Pad Set

MISCELLANEOUS FLUTE PARTS

(Obsolete when gone)

HEAD & BODY JOINTS

Y-L12 10020	YFL-27S Head Joint w/Crown
Y-L14 20011	YFL-22S Body – less keys
Y-L03 20011	YFL-31 Body – less keys
Y-L17 20011	YFL-32 Body – less keys
Y-L18 20012	YFL-32S Body – less keys
Y-L13 20011	YFL-22N Body – less keys

CLARINET PARTS**YCL-200AD CLARINET**
(Made 2004 →)**BODY PARTS**

Y-M02 20044	Barrel
Y-M12 20032	Upper Joint
Y-M02 20025	Lower Joint
Y-M12 20012	Bell

KEYS

Y-M02 30062	Low E/B Key
Y-M02 30072	F#/C# Key
Y-M02 30083	Low F/C Key
Y-M02 30093	Ab/Eb Key
Y-M02 30103	Lower Ring Key
Y-M02 30112	B/F# Key
Y-M02 30122	E/B Lever
Y-M02 30132	F#/C# Lever
Y-M02 30143	F/C Lever
Y-M02 30152	C#/G# Key
Y-M02 30162	Eb/Bb Aux Key
Y-M02 30172	A/D Ring Key

Y-M02 30182	F# Ring Key
Y-M02 30192	Eb/Bb Trill Key
Y-M02 30202	F#/C# Trill Key
Y-M02 30212	Bb Trill Key
Y-M02 30222	C Trill Key
Y-M02 30233	Throat G# Key
Y-M02 30242	Throat A Key
Y-M02 30252	Thumb Ring Key
Y-M02 30262	Register Key

SCREWS

Y-M01 41021	Adjusting Screw – metal
Y-M01 93002	Hinge Screw (Rod) Set
Y-M01 41430	Pivot Screw
Y-M01 41010	Thumb Rest or Trill Key Guide Screw
Y-M01 41180	Flat Spring Screw

OTHER PARTS

Y-M02 42262	Register Tube
Y-M01 42220	Thumb Rest
Y-M01 42250	Trill Key Guide
Y-M01 94001	Flat Spring Set
Y-M01 92002	Needle Spring Set
PS154	Valentino Pad Set

YCL-20 CLARINET

BODY PARTS

Y-M02 20042	Barrel
Y-M71 20030	Upper Joint
Y-M02 20022	Lower Joint
Y-M02 20012	Bell

KEYS

Y-M02 30062	Low E/B Key
Y-M02 30072	F#/C# Key
Y-M02 30082	Low F/C Key
Y-M02 30092	Ab/Eb Key
Y-M02 30102	Lower Ring Key
Y-M02 30112	B/F# Key
Y-M02 30122	E/B Lever
Y-M02 30132	F#/C# Lever
Y-M02 30142	F/C Lever
Y-M02 30152	C#/G# Key
Y-M02 30162	Eb/Bb Aux Key
Y-M02 30172	A/D Ring Key
Y-M02 30182	F# Ring Key
Y-M02 30192	Eb/Bb Trill Key
Y-M02 30202	F#/C# Trill Key
Y-M02 30212	Bb Trill Key
Y-M02 30222	C Trill Key
Y-M02 30232	Throat G# Key
Y-M02 30242	Throat A Key
Y-M02 30252	Thumb Ring Key
Y-M02 30262	Register Key

SCREWS

Y-M01 41021	Adjusting Screw – metal
Y-M01 93002	Hinge Screw (Rod) Set
Y-M01 41440	Trill Key Guide Screw
Y-M01 41430	Pivot Screw
Y-M01 41010	Thumb Rest Screw

OTHER PARTS

Y-M02 42242	Thumb Tube
Y-M02 42262	Register Tube
A252	Thumb Rest
Y-M01 42250	Trill Key Guide

YCL-23 CLARINET (Made 1960 to 1971)

SCREWS AND OTHER PARTS

Screws, thumb rest, etc. same as YCL-24

KEYS

See YCL-24 keys marked with * will fit YCL-23N

YCL-24 CLARINET (Made 1972 to 1978)

BODY PARTS

Body parts are no longer available

KEYS

Y-M01 30060	Low E/B Key
Y-M01 30070	F#/C# Key
Y-M01 30080	Low F/C Key
*Y-M01 30110	B/F# Key
*Y-M01 30120	E/B Lever
*Y-M01 30130	F#/C# Lever
Y-M01 30140	F/C Lever
*Y-M01 30180	F# Ring Key
*Y-M01 30190	Eb/Bb Trill Key
*Y-M01 30200	F#/C# Trill Key
*Y-M01 30210	Bb Trill Key
*Y-M01 30220	C Trill Key
*Y-M01 30230	Throat G# Key
*Y-M01 30240	Throat A Key
*Y-M01 30260	Register Key
*These keys will fit YCL-23 Clarinet	
Keys not listed are no longer available	

SCREWS

Y-M01 41021	Adjusting Screw
Y-M01 93000	Hinge Screw (Rod) Set
Other screws same as YCL-20	

OTHER PARTS

Y-M01 42250	Trill Key Guide
Y-M01 42220	Thumb Rest
Y-M01 42240	Thumb Tube
Y-M01 42260	Register Tube

YCL-24II CLARINET (Made 1979 to 1986)

BODY PARTS

Y-LT-2000	Upper Joint
Other body parts are no longer available	

KEYS

Y-LC-1000	Low E/B Key
Y-LC-2000	F#/C# Key
Y-LC-3000	Low F/C Key
Y-LC-4000-1	Ab/Eb Key
Y-LD-1000	Lower Ring Key
Y-LE-1000	E/B Lever
Y-LE-3000	F/C Lever
Y-LE-4000	C#/G# Key
Y-LF-1000	Eb/Bb Aux Key
Y-LF-3000	F# Ring Key
Y-LG-3000	Bb Trill Key
Y-LG-4000	C Trill Key
Y-LJ-2000	Register Key
Y-LD-2000	B/F# Key
Y-LE-2000	F#/C# Lever
Y-LG-2000	F#/C# Trill Key
Y-LH-2000	Throat A Key
Y-LA-2030	Thumb Rest
Y-LA-3030	Trill Key Guide

MISCELLANEOUS/OBSOLETE CLARINET PARTS

Y-M01 20021	YCL-26 Lower Joint
Y-M01 20031	YCL-26 Upper Joint
Y-M41 20022	YCL-72 Lower Joint

CL-1 ADVANTAGE CLARINET

Y-M12 20011	Bell
Y-M12 20031	Upper joint

YCL-20M CLARINET

Y-M03 20030	Upper joint
Y-M03 20020	Lower joint
Y-M03 20010	Bell

YCL-230 ALTO CLARINET

YCL-230U Upper Joint less keys
These alto clarinets were made by Leblanc and parts are the same as used on Vito Model 7165 found in the Leblanc section.

YCL-220 BASS CLARINET

These bass clarinets were made by Leblanc and parts are the same as used on Vito Model 7166 found in the Leblanc section

YCL-221 BASS CLARINET

Y-M18 20051	Neck Assembly
Y-M18 41690	Neck Tightening Screw
Y-N21 41721	Pivot Screw (pkg of 10)
Y-M18 41020	Adjusting Screw (pkg of 10)
Y-M51 41010	Thumb Rest & Lyre Screw (pkg of 10)
Y-M18 30720	Lyre Holder
Y-A31 41220	Lyre Holder Screw
Y-M9A 15340	Thumb Rest
Y-M18 41640	Thumb Rest Plate
Y-M18 41010	Thumb Rest Screw
Y-M18 43520	Strap Ring

Y-M18 30390	Register Arm Rocker
Y-M18 44090	Register Arm Rocker Hinge Rod
Y-M9A 12830	Lower Tenon "O" Ring (2 needed)
Y-M9A 12840	Center Tenon "O" Ring (2 needed)
Y-M18 30810	Eb Bell Key Saddle
Y-M18 30041	Eb Bell Key
Y-M15 44010	Eb Key Hinge Rod

Floor Peg Parts

Y-M9A 12890	Floor Peg Receiver (solders on)
Y-M15 41040	Floor Peg Screw
Y-M18 41030	Floor Peg Knurled Nut
Y-M18 31020	Floor Peg Rod w/ bumper
Y-M15 43091	Rubber Bumper

ALTO SAXOPHONE PARTS

YAS-21 ALTO SAXOPHONE

(Made 1971 to 1979)

All parts, other than listed, are obsolete

MOUTHPIPE PARTS

Same as YAS-23

SCREWS

Y-N11 41691	Neck Tightening Screw
Y-N11 41710	Guard Screws – Slotted – Brass
Y-N11 41820	Bell Brace Screw w/Lug
Y-A01 41220	Lyre Holder Screw – Brass
Y-N11 43640	Adjusting Screw – C or F# Bars
Y-N15 43651	F# Adjusting Rod Holding Screw
Y-N13 41621	Adjusting Rod Screw Washer
Bb/G# Adjusting Bar that attaches to the F# Key is obsolete	

KEY GUARDS

Y-N11 43721	Large Bell Key Guard (Brass)
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OTHER PARTS

Y-N13 30071	Strap Ring
Y-N11 42301	Thumb Hook – Solders On
Y-N11 30900	Bell Brace
Y-N11 41770	Side C or Bb Key Joint – Black Plastic
Y-N11 20030	Body Joint Ring
Y-N11 41760	Nut – for octave mechanism
Y-N11 41620	Washer – for octave mechanism

YAS-23 ALTO SAXOPHONE

(Made 1980 to present)

MOUTHPIPE PARTS

Y-N11 10021	Mouthpipe Assembly with Key
Y-N31 42741	Octave Key Saddle
Y-N11 30091	Mouthpipe Receiver – Female

SCREWS

Y-N11 41691	Neck Tightening Screw – 4x.7mm
Y-A01 41220	Lyre Screw – 3.5x.6mm
Y-N11 41711	Guard Screw – Phillips Head – Nickel

Y-N11 41721	Pivot Screw
Y-N11 95001	Flat Spring Screw Set
Y-N11 43640	Adjusting Screw – F# & C Bars
Y-N13 43631	G# or Bb Adjusting Screw – 2 needed
Y-N13 42071	Joint Ring Screw
Y-N11 41822	Bell Brace Screw
Y-N13 41581	Roller Screw – 11.5mm (.452")
Y-N33 41601	Roller Screw – 24mm (.950")
Y-N33 41550	Roller Screw – 29mm (1.3")
Y-N11 93001	Hinge Rod Set
Y-N13 41611	Hinge Rod – Neck Octave Key
Y-N13 41511	Hinge Rod – Front F or Side Key
Y-N11 41570	Hinge Rod w/ Pivot End – G# Lever
Y-N11 41441	Hinge Rod – Floating Lever
Y-N11 41481	Hinge Rod – Thumb Lever
Y-N11 41431	Hinge Rod – Low Eb & C Keys

KEYS

Y-N11 30111	D Key
Y-N11 30121	E Key
Y-N11 30131	F Key
Y-N11 30141	F# Key
Y-N11 30151	G# Key
Y-N11 30161	G Key
Y-N11 30171	A Key
Y-N11 30181	Bb Bis Key
Y-N11 30191	B Key
Y-N11 30201	C Key
Y-N11 30231	Side F# Key
Y-N11 30241	Side Bb Lever
Y-N11 30251	Side Bb Key
Y-N11 30261	Side C Lever
Y-N11 30271	Side C Key
Y-N11 30281	High E Key
Y-N11 30311	High D Key
Y-N11 30321	High Eb Key
Y-N11 30331	High F Key
Y-N11 30451	Front F Key w/Pearl (Rocker)
Y-N11 30342	Low C Key
Y-N11 30351	Low Eb Key
Y-N11 30362	Low Bb Key
Y-N11 30372	Low B Key
Y-N11 30382	Low C# Key
Y-N11 30392	Low C# Lever
Y-N11 30401	G# Lever
Y-N11 30411	Octave Lever (Thumb)
Y-N11 30421	Lower Octave Key (Pad Key)
Y-N11 30431	Octave Shift Lever (Floating)
Y-N11 30441	Neck Octave Key

KEY GUARDS

Y-N13 42211	Side F# Guard
Y-N16 41660	Clothes Guard
Y-N11 43731	D#/Eb Key Guard
Y-N11 43721	Bell Key Guard (covers C, B, & Bb)

OTHER PARTS

Y-N11 42221	Left Thumb Rest Support – solders on
Y-N13 41901	Left Thumb Rest Pearl (plastic cover)
Y-N13 30071	Strap Ring
Y-N11 42301	Thumb Hook – Brass – Solders On
or (there have been 2 different styles used)	

Y-N15 41632	Thumb Hook – Plastic
Y-N51 30970	Thumb Hook Holder
Y-N15 41641	Thumb Hook Bushing
Y-N15 41651	Thumb Hook Screw
Y-N11 30900	Bell Brace – Bell Side
Y-N11 41820	Bell Brace w/ screw – Body Side
Y-N11 42400	Lyre Holder
Y-N11 92001	Needle Spring Set
Y-N11 94001	Flat Spring Set
Y-N13 96001	Key Pearl Set
Y-N13 42240	Body Octave Vent Tube
Y-N11 97000	Lower Octave Teflon Tube (set of 7)
Y-N11 98000	Octave Lever Vinyl Tube (set of 2)
Y-N11 99000	Octave Shift Lever Poly Tube (set of 10)
Y-N11 43090	End Plug
Y-N11 43680	Roller – 8.5mm (.335")
Y-N11 43700	Roller – 19mm (.74")
Y-N11 43670	Roller – 28mm (1.10")
Y-N11 20012	Bell and Bow Assembly
Y-N13 42100	Bottom Bow Guard
Y-N13 42831	Teflon Tube for side Bb or C keys

For Alto and Tenor Saxs:

Y-N15 43321	Key Guard Bumper Felts – Maroon – 100/pkg
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For Baritone Sax:

Y-N51 41051	Key Guard Bumper Felts – Maroon – 100/pkg
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TENOR SAXOPHONE PARTS

YTS-21 TENOR SAXOPHONE

(Made 1972 to 1979)

All parts, other than listed, are obsolete

MOUTHPIPE PARTS

Y-N31 30010	Mouthpipe – less key
Y-N31 30441	Octave Key

SCREWS

Screws same as YAS-21 Alto Saxophone

OTHER PARTS

Y-N31 42221	Left Thumb Rest Support – Solders on
Y-N13 30071	Strap Ring
Y-N11 42301	Thumb Hook – Brass – Solders on
Y-N31 41780	Bell Brace
Y-N11 41770	Side C or Bb Key Joint – Black Plastic
Y-N31 42400	Lyre Holder
Y-A01 41220	Lyre Holder Screw
Y-N31 20030	Body Joint Ring

YTS-23 TENOR SAXOPHONE

(Made 1980 to present)

MOUTHPIPE PARTS

Y-N31 30011	Mouthpipe Assembly – less key
Y-N31 10021	Mouthpipe Assembly – with key
Y-N31 42741	Octave Key Saddle

SCREWS

Y-N31 93001 Hinge Rod Set
Other screws same as YAS-23 Alto Saxophone

KEYS

Y-N31 30111 D Key
Y-N31 30121 E Key
Y-N31 30131 F Key
Y-N31 30141 F# Key
Y-N31 30151 G# Key
Y-N31 30161 G Key
Y-N31 30171 A Key
Y-N31 30161 Bb Bis Key
Y-N31 30191 B Key
Y-N31 30201 C Key
Y-N31 30231 Side F# Key
Y-N31 30241 Side Bb Lever
Y-N31 30251 Side Bb Key
Y-N31 30261 Side C Lever
Y-N31 30271 Side C Key
Y-N31 30281 High E Key
Y-N31 30311 High D Key
Y-N31 30321 High Eb Key
Y-N31 30331 High F Key
Y-N31 30451 Front F Key w/Pearl (Rocker)
Y-N31 30341 Low C Key
Y-N31 30351 Low Eb Key
Y-N31 30361 Low Bb Key
Y-N31 30371 Low B Key
Y-N31 30381 Low C# Key
Y-N31 30391 Low C# Lever
Y-N31 30401 G# Lever
Y-N31 30411 Octave Lever (Thumb)
Y-N31 30421 Lower Octave Key (Pad Key)
Y-N31 30431 Octave Shift Lever (Floating)
Y-N31 30441 Neck Octave Key

GUARDS

Y-N31 42211 Side F# Guard
Y-N16 41660 Clothes Guard
Y-N31 43730 Low C or Eb Guard
Y-N31 43721 Bell Key Guard

OTHER PARTS

Y-N31 42741 Neck Octave Key Saddle
Y-N31 42221 Left Thumb Rest Base
Y-N13 41901 Thumb Rest Cover
Y-N31 30070 Strap Ring
Y-N11 42301 Thumb Hook – Brass – Solders On
or (there have been 2 different styles used)
Y-N15 41632 Thumb Hook – Plastic
Y-N51 30970 Thumb Hook Holder
Y-N15 41641 Thumb Hook Bushing
Y-N15 41651 Thumb Hook Screw
Y-N31 30901 Bell Brace
Y-N31 42400 Lyre Holder
Y-A01 41220 Lyre Holder Screw – brass
Y-N13 96001 Key Pearl Set
Y-N11 43680 Roller – 8.5mm (.335")
Y-N31 43710 Roller – 19mm (.74")

Y-N11 43670 Roller – 28mm (1.10")
Y-N31 94001 Flat Spring Set
Y-N31 92001 Needle Spring Set
Y-N11 97000 Teflon Tube (set of 7)
Y-N11 98000 Vinyl Tube (set of 2)
Y-N11 43060 Poly Tube
Y-N31 43090 End Plug

BARITONE SAXOPHONE PARTS

YBS-61 BARITONE SAXOPHONE W/LOW A (Made 1974 to 1985)

MOUTHPIPE PARTS

Y-N51 30011 Mouthpipe Assembly
Y-N51 30950 Mouthpipe Receiver – Female

SCREWS

Y-N15 41710 Guard Screw – Phillips head – brass
Y-N51 95000 Flat Spring Screws (set)
Y-N13 43631 Bb or G# Adjusting Screw – 2 needed
Y-N11 43640 Adjusting Screw – F# & C bars
Y-N11 41820 Bell Brace Screw w/Lug
Y-N15 43610 Key Guard Felt Adjusting Screw

GUARDS

Y-N15 41660 Clothes Guard

OTHER PARTS

Y-N15 41632 Thumb Hook Plastic
Y-N51 30970 Thumb Hook Holder – Solders on
Y-N15 41641 Thumb Hook Bushing
Y-N15 41651 Thumb Hook Screw
Y-N51 30071 Strap Ring
Y-N51 31200 Waterkey
Y-A01 41191 Waterkey Screw
Y-A01 41160 Waterkey Spring

YBS-62 BARITONE SAXOPHONE (Made 1985 to present)

(Parts should work on the YBS-52 as well but the lacquer may be different)

MOUTHPIPE PARTS

Y-N51 30011 Mouthpipe Assembly
Y-N51 30950 Mouthpipe Receiver – Female

SCREWS

Y-N11 41691 Neck Tightening Screw
Y-N51 41731 Pivot Screw
Y-N51 93001 Hinge Rod Set
Y-N11 43590 Flat Spring Screw
Y-N51 41821 Bell Brace Screw (Bell Post)
Y-N13 41822 Bell Brace Screw & 'U' Brace to Stack
Y-N51 41831 Bell Brace Screw & 'L' Brace to Stack
Y-N51 41841 Mouthpipe Branch Brace Screw

Y-N15 41651 Branch Guard Screw
Y-N13 41711 Key Guard Screw – Phillips Head – Brass
Y-N15 43610 Key Guard Felt Adjusting Screw
Y-A01 41220 Lyre Holder Screw
Y-N60 41190 Waterkey Screw
Y-N15 41651 Thumb Hook Screw
Y-N13 42071 Joint Ring Screw
Y-N51 43631 Adjusting Screw
Y-N11 43640 Adjusting Screw – F# Key
Y-N15 43651 Adjusting Rod Holding Screw
Y-N13 41621 Adjusting Rod Washer
Y-N13 41581 Roller Screw – 11.5mm (.452")
Y-N60 44190 Roller Screw – 12mm (.5")
Y-N13 41571 Roller Screw – 13mm (.51")
Y-N33 41601 Roller Screw – 24mm (.950")
Y-N33 41550 Roller Screw – 29mm (1.3")

GUARDS

Y-N13 41661 Clothes Guard
Y-N51 43711 Bell Key Guard – each – 2 needed
Y-N51 43721 Low C Key Guard
Y-N51 43731 Low C# Key Guard
Y-N33 43731 D#/Eb Key Guard
Y-N51 43741 Side F Key Guard

BRACES

Y-N51 30911 "L" Body to Bell Brace
Y-N51 30901 "U" Body to Bell Brace
Y-N51 30921 Bell Brace Post – Bell Side
Y-N51 30941 Bell Brace Post – Body Side "L" Brace
Y-N51 30931 Bell Brace Post – Body Side "U" Brace
Y-N51 42261 Mouthpipe Branch Brace (Flat)
Y-N11 43750 Branch Brace Logo

OTHER

Y-N60 94000 Flat Spring Set
Y-N51 92001 Needle Spring Set
Y-N51 42400 Lyre Holder
Y-N51 30071 Strap Ring
Y-N15 41632 Thumb Hook Plastic
Y-N51 30970 Thumb Hook Holder – Solders on
Y-N15 41641 Thumb Hook Bushing
Y-N15 41651 Thumb Hook Screw
Y-N13 41902 Left Thumb Rest Cover
Y-N13 42831 Teflon Tube
Y-N13 42811 Vinyl Tube
Y-N51 90201 Waterkey Set (waterkey, spring & screw)
Y-N51 31201 Waterkey
Y-N51 43381 Waterkey Saddle
Y-N60 43090 End Plug
Y-N60 48611 Roller – 7mm (.275")
Y-N13 48601 Roller – 7.5mm (.295")
Y-N13 48591 Roller – 8.5mm (.335")
Y-N13 43660 Roller – 18mm (.710")
Y-N13 48581 Roller – 28mm (1.10")

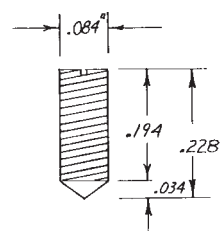
MISCELLANEOUS/OBSOLETE SAX PARTS

Y-N13 41720 YAS-62 Pivot Screw

DRAWINGS WITHOUT PART NUMBERS ARE FOR YOUR REFERENCE

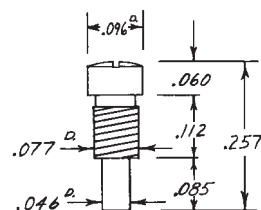
PICCOLO

J170



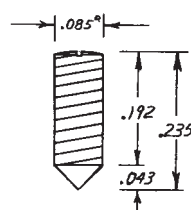
2-56
Armstrong Models
307, 308, 309 - Pivots

L332

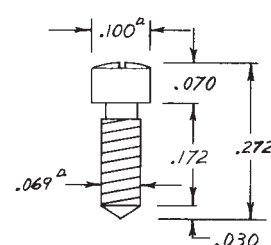


2.0 x .4m
LeBlanc Models
221, 223 - Pivots

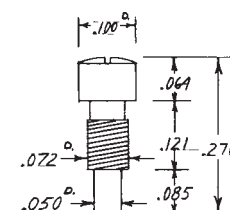
M104



2-56
Gemeinhardt Flutes
and Piccolo's - Pivots

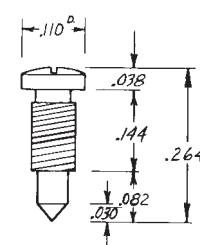


1-72
Bundy Model 1250
Metal - Pivots



1-72
Bundy Model 1450
Resonite - Pivots

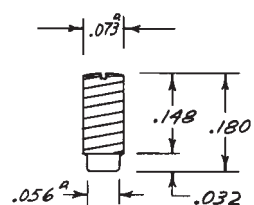
Y-K01 41430



2.0 x .4m
Yamaha Models
YPC-31, YPC-61 - Pivots

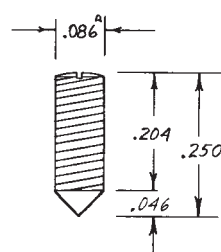
FLUTES

E100



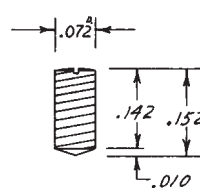
1-72
All Artley Flute
Models - Adjusting
Prior to 1990

E116

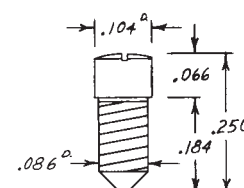


1-72
All Artley Flute
Models - Pivot
Prior to 1990

EF105

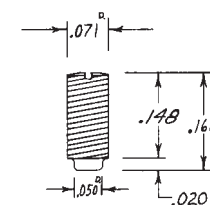


1-64
All Emerson Flute
Models - Adjusting



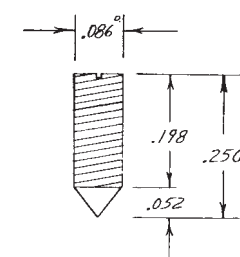
2-56
All Emerson Flute
Models - Pivot

J100



2-56
All Armstrong Flute Models
& Artley Flutes - Adjusting
After 1990

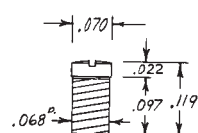
J101/E101



2-56
All Armstrong Flute Models
& Artley Flutes - Pivot
After 1990

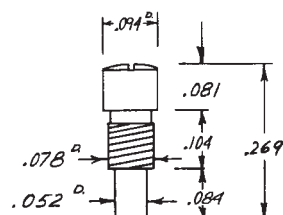
FLUTES

L363

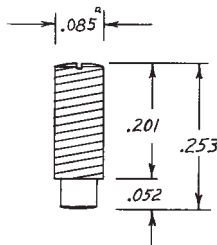


1-64
LeBlanc Models 110, 111
112, 113 - Adjusting

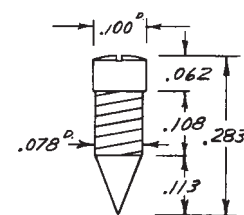
L364



2-56
LeBlanc Models 110, 111,
112, 113 - Pivots

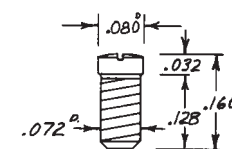


3-48
LeBlanc Model 70
Adjusting



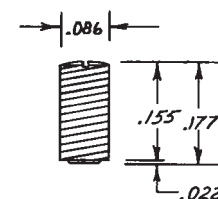
2-64
LeBlanc Model 70
Pivot

M103



1-72
All Gemeinhardt
Models - Adjusting

S320



2-64
All Selmer/Bundy Flutes
Nylon - Adjusting

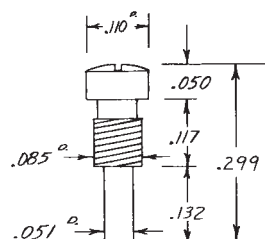
SCREW CHART

DRAWINGS WITHOUT PART NUMBERS ARE FOR YOUR REFERENCE

CLARINETTS

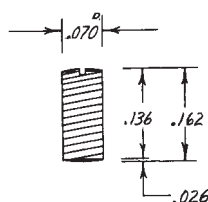
FLUTES

S321



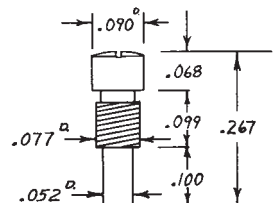
2-56
All Selmer/Bundy Flutes
Pivot

Y-L01 97001



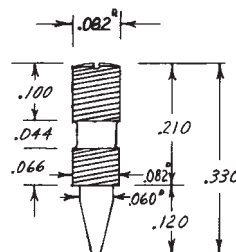
2.0 x .4m
Yamaha Flute Models
YFL-2258, 225N - Adjusting

Y-L01 41430



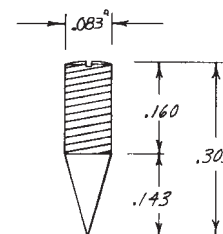
2.0 x .4m
Yamaha Models YFL-21, 24,
225, 28 - Pivot

C-29986-7



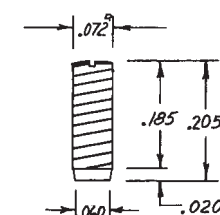
2-64
Conn Model 16N
Pivot

E315



2-64
Artley Model 17S & 18S
Pivot

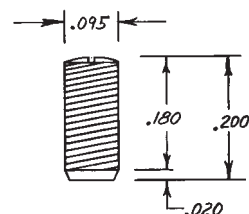
E100



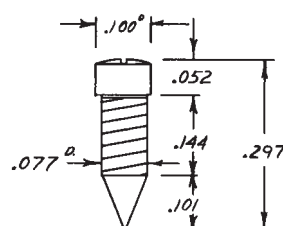
1-72
Artley Model 17S
Low F-C Key - Regulating

CLARINETTS

E317

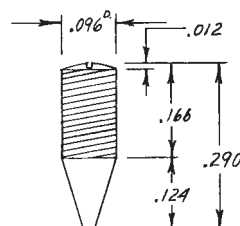


3-56
Artley Model 17S
G# - Regulating



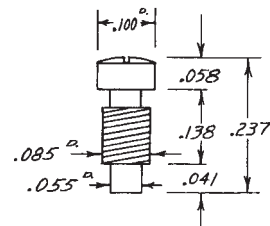
2.0 x .4m
LeBlanc - Old Style
Models 40, 45, 50, 4 - Pivot

L121



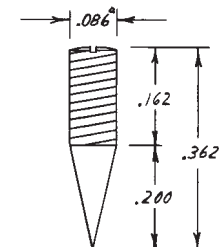
2.5 x .45m
LeBlanc - New Style
Models 40, 45, 50, 4 - Pivot
Vito Models 7112, 7114,
7212, 7214 - Pivot

L500



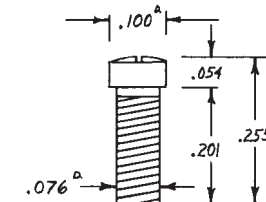
2-56
LeBlanc Models 40, 45, 50, 4
G# - Regulating (Nylon)

L122



3-56
Vito Models 7166, 7168
Bass Clarinet - Pivot

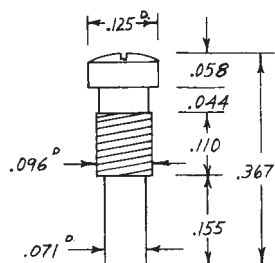
L146



2.0 x .4m
LeBlanc Model 7165
Alto Clarinet - Regulating

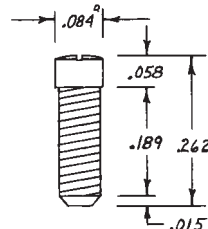
CLARINETTS

S103



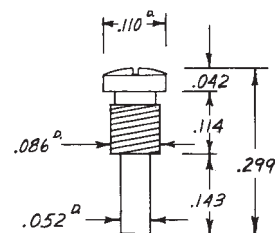
3-56
Selmer Model 1425
Alto/Bass Clarinet - Pivot

S112



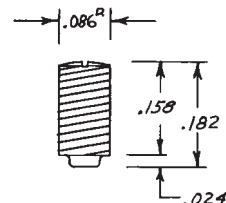
2-56
Selmer Models 1425, 1430
Alto/Bass Clarinet - Regulating

S115



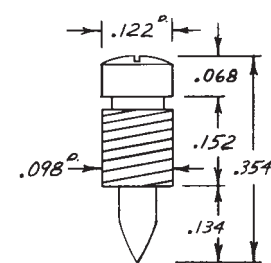
2-56
Selmer, Bundy Model 1400
Pivot

S117

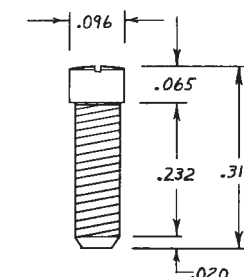


2-64
Selmer, Bundy Model 1400
Regulating

S567



3-56
Selmer Bass Clarinet
Model 30 - Pivot

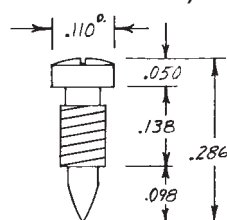


2.0 x .4m
Selmer Alto/Bass Clarinet
Models 22, 30 - Regulating

DRAWINGS WITHOUT PART NUMBERS ARE FOR YOUR REFERENCE

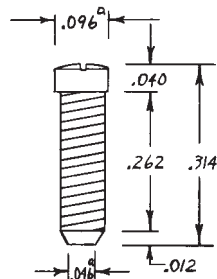
CLARINETTS

Old S690
(current S690
same as U103)



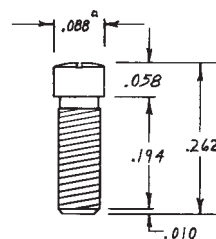
2-56
Selmer Model B20B &
Selmer Model 22 Alto
Pivot

S692



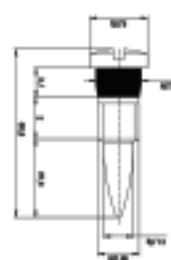
2.0 x .44
Selmer Model B20B
Regulating

S959

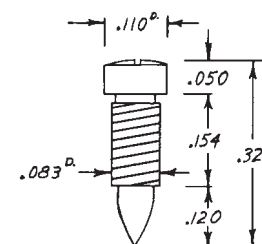


2-56
Selmer Mazzeo Model
Regulating

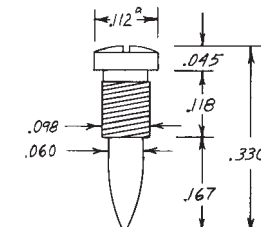
U103



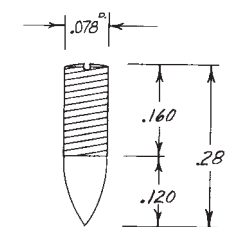
2-56
All Buffet Models
Pivot



3-48
Old Buffet Style
Pivot



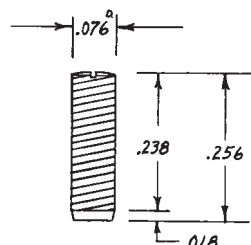
2.1 x .35m
Schreiber Models C-12,
E-13 - Pivot



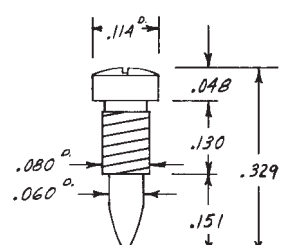
2.0 x .4m
Schreiber Models B-10, 11, 12
E11, 12, 14, 45 - Pivot

CLARINETTS

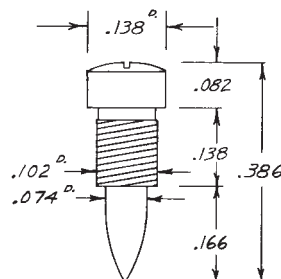
U166



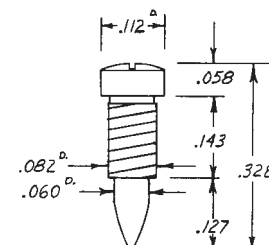
2.0 x .4m
Buffet Models
G#/A - Regulating



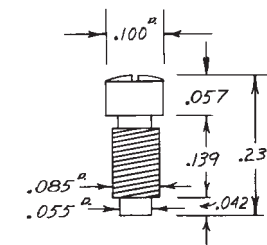
2.0 x .35m
Buffet Alto Clarinet
Pivot



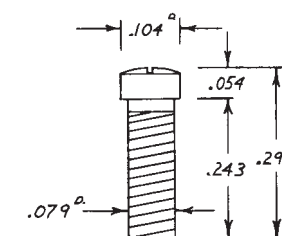
4-48
Buffet Bass Clarinet
Pivot



2.0 x .35m
Buffet Contra Alto Clarinet
Pivot



2-56
Yamaha Models YCL-24-II
Regulating

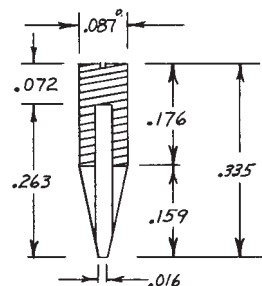


2.0 x .4m
Yamaha Models YCL-23, 24
Regulating

Y-M01 41020

CLARINETTS

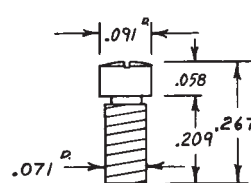
Y-M01 41430



2.0 x .4m
Yamaha Models YCL-23, 24
Pivot

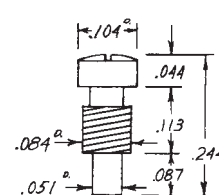
OBOE

S480



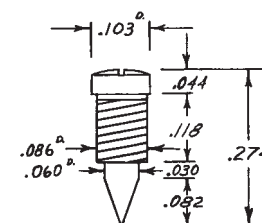
1-64
Selmer Model 1492
Regulating

S481



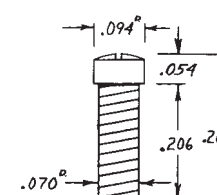
2-64
Selmer Model 1492
Pivot

W100



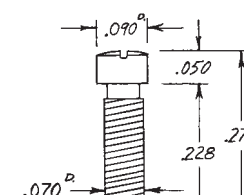
2-64
All Fox Models
Pivot

W101



1-72
All Fox Models
Plain - Regulating

W102

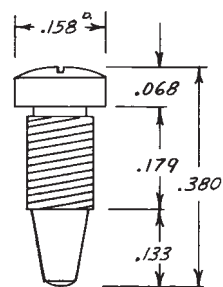


1-72
All Fox Models
Teflon - Regulating

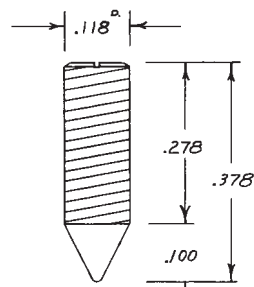
SCREW CHART

DRAWINGS WITHOUT PART NUMBERS ARE FOR YOUR REFERENCE

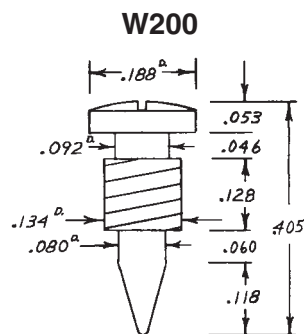
BASSOON



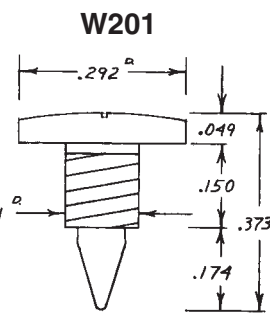
3.0 x .5m
Schreiber - Old Style
w/Head - Pivot



3.0 x .5m
Schreiber - New Style
Headless - Pivot

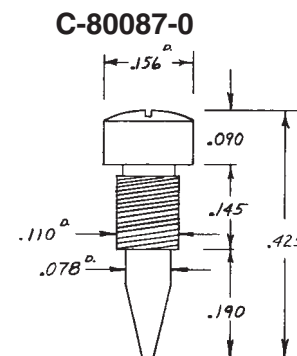


W200
6-32
Fox - Stainless
Pivot

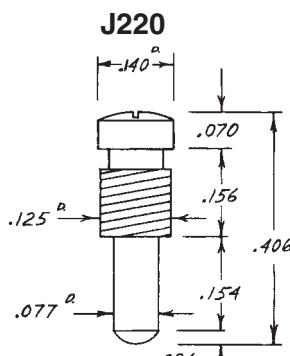


W201
6-32
Fox - Delrin
Pivot

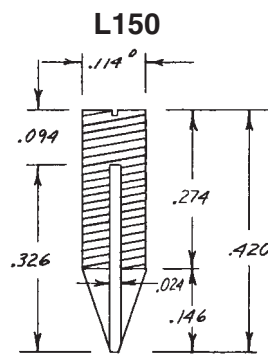
SAXOPHONE



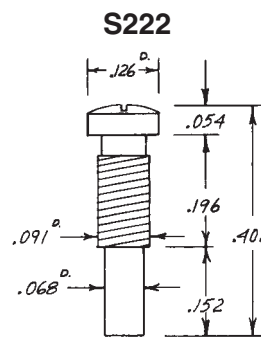
C-80087-0
4-48
Conn Models 7M, 50M
16M, 12M - Pivot



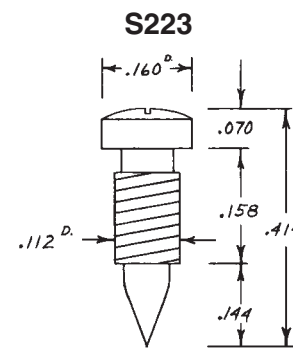
J220
5-40
Armstrong Saxes
Pre '85 Pivot



L150
5-40
LeBlanc Model 7131
Alto - Pivot

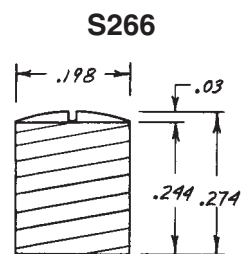


S222
3-48
Selmer Bundy Models
Pivot

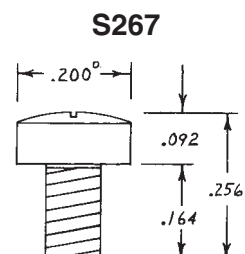


S223
3.0 x .5m
Selmer Paris Model Mark VII
Pivot

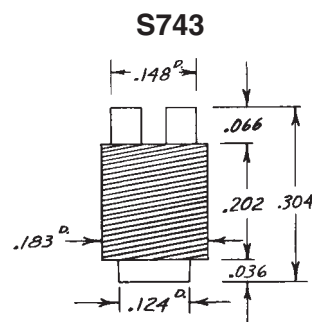
SAXOPHONE



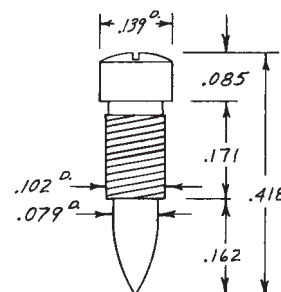
S266
12-28
All Selmer Paris Models
Regulating



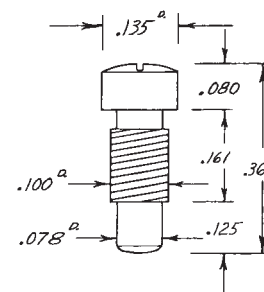
S267
3-56
All Selmer Paris Models
Regulating - Lower Stack



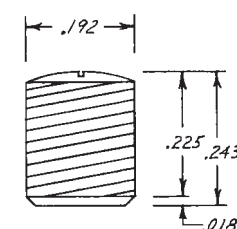
S743
10-32
Selmer Bundy Models
F#-G# - Regulating Arm



S743
4-48
All Buffet Models
Pivot



S743
4-48
All Evette Models
Pivot

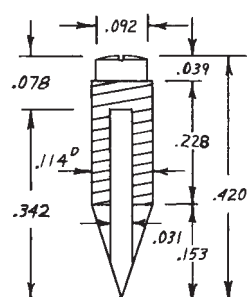


S743
12-32
All Evette Models
F#-G# - Regulating

SAXOPHONE

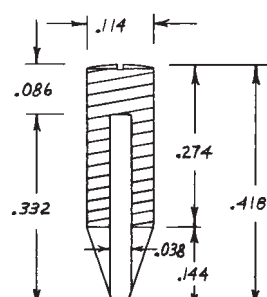
DRAWINGS WITHOUT PART NUMBERS ARE FOR YOUR REFERENCE

Y-N11 41720



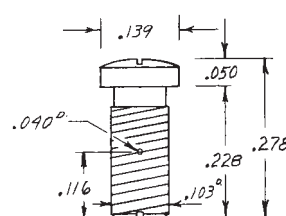
3.0 x .5m
Yamaha Models YAS-21,
YBS-61 - Pivot

Y-N11 41721

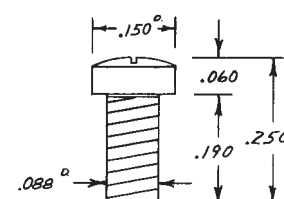


3.0 x .6m
Yamaha Models YAS-23,
YTS-23 - Pivot

Y-N11 43640

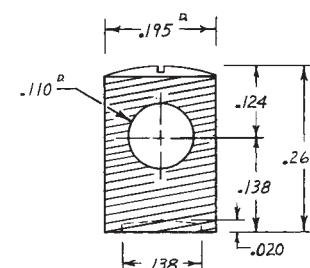


2.5 x .45m
All Yamaha Models
Regulating



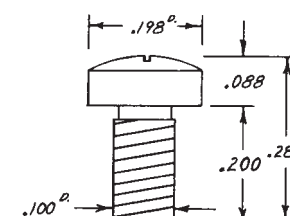
3-56
All Yamaha Models
Regulating F# Arm

Y-N13 43631



5.0 x .5m
Yamaha Model YBS-61
Regulating Bridge Key

Y-N31 43650



2.5 x .45m
Yamaha Model YTS-21
Regulating F# Arm

All screw drawings were done
by Larry Gerhardt

FLUTE AND PICCOLO THREAD SIZE CHARTS

FLUTES:

MAKE	ADJUSTMENT SCREWS	FLAT SPRING SCREWS	CROWN SCREW	HINGE SCREW	PAD SCREW	PIVOT SCREW
ARMSTRONG	1-64	0-80	8-32	2-56	1-72	2-56
ARTLEY	1-72/2-56	0-80	6-32	1-72/2-56	1-72	1-72/2-56
BLESSING	1-72	0-80	8-32	1-72	1-72	2-56
E.L. DeFORD	1-64	0-80	8-32	1-72/2-56	1-64	2-56
EMERSON	1-64	0-80	8-32	2-56	1-64	2-56
GEMEINHARDT	1-72	0-80	8-32	1-72	1-72	2-56
HAYNES	1-72	.050-110	8-32	1-72	1-72	1-72
KING	1-64	0-80	8-32	1-72/2-56	1-64	2-56
LAMBERSON	N/A	0-80	8-32	1-64/2-64	1-72	2-64
LEBLANC (VITO)	1.7x.35	1.7x.35	4.0x.75	1.7x.35	1.7x.35	2.0x.40
POWELL	N/A	00-112	8-32	1-72	1-72	1-72
SELMER (BUNDY)	2-64	0-80	6-32	2-56	N/A	2-56
SPENCER (EUDY)	1.4x.30	1.4x.30	4.0x.75	1.7x.35 2.0x.40	1.7x.35	2.0x.40
YAMAHA	1.7x.35	1.7x.35	4.0x.75	1.7x.35 2.0x.40	1.7x.35	2.0x.40

PICCOLOS:

MAKE	CROWN SCREW	HINGE SCREW	PIVOT SCREW
ARMSTRONG	8-32	1-64/2-56	2-56
ARTLEY	6-32	1-72	1-72
BLESSING	8-32	2-56	2-56
E.L. DeFORD	6-32	1-64	2-56
EMERSON	8-32	2-56	2-56
GEMEINHARDT	6-32	1-72	2-56
HAYNES	8-32	1-72	1-72
KING	6-32	1-64/2-56	2-56
LEBLANC (VITO)	4.0x.75	1.7x.35	2.0x.40
POWELL	8-32	1-72	1-72
SELMER (BUNDY)	8-32	2-56	2-56
SPENCER (EUDY)	4.0x.75	1.7x.35 2.0x.40	2.0x.40
YAMAHA	4.0x.75	1.7x.35	2.0x.40

SCREW CHART

TRUMPET & CORNET

BACH (Stradivarius)

W. Key 4-48
Finger Button 6-36
Lyre Screw 8-32

BENGE

W. Key 2-56
Finger Button 6-36
Lyre Screw 6-32

BESSON

W. Key 3-56
Finger Button 4.0 x 0.7mm
Lyre Screw 6-38

BLESSING

W. Key 2-56
Finger Button 6-32
Lyre Screw 8-32

BUESCHER

W. Key 3-48
Finger Button 8-32
Lyre Screw 6-36/8-32

BUNDY (Bach Student)

W. Key (No Threads)
Finger Button 6-36
Lyre Screw 8-32

CONN

W. Key 3-48
Finger Button 8-32/4.0 x .7mm
Lyre Screw 6-40

GETZEN

W. Key 4-48 (pre-1970)
Finger Button 8-32
Lyre Screw 8-32

HOLTON

W. Key 2-56/1-64
Finger Button 6-36
Lyre Screw 8-32

KING

W. Key 5-40
Finger Button 8-32
Lyre Screw 6-32

OLDS (Fullerton, CA)

W. Key 3-48
Finger Button 8-32
Lyre Screw 8-32

PAN AMERICAN

W. Key 3-48
Finger Button 6-40
Lyre Screw 6-40

SCHILKE

W. Key 2-56
Finger Button 8-36
Lyre Screw 6-40

SELMER (Paris)

W. Key 3-56
Finger Button 8-32
Lyre Screw 8-32

YAMAHA

W. Key 3.0 x 0.6mm
Finger Button 4.0 x 0.7mm
Lyre Screw 3.5 x 0.6mm

TROMBONE

BACH

W. Key 2-56

BESSON

W. Key 4-48

BLESSING

W. Key 2-56

BUNDY

W. Key 2-56

CONN (Elkhart)

W. Key 2-56

HOLTON

W. Key 2-56

KING

W. Key-New 3-48
W. Key-Old Pin (No Threads)

OLDS (Fullerton, CA)

W. Key 3-48

SELMER (Paris)

W. Key 1-72

YAMAHA (metric)

W. Key-Tenor 2.6 x 0.45
W. Key-Bass 2.0 x 0.45

FRENCH HORN

BACH/BUNDY

Same as Olds

CONN

3-48 Throughout
Lyre Screw 6-40

HOLTON

Rotor Screw 4-48
Cork Plate 4-48
Rotor String 4-48
Lever String 2-56
Lever Rod 4-48
Lyre Screw 6-36
Bridge Screw 6-32
W. Key 1-64

KING

Rotor Screw 5-40
Cork Plate 3-48
Rotor String 3-48
Lever String 3-48
Lever Rod 3-48
Lyre Screw 6-32
Bridge Screw 8-32

OLDS (Fullerton, CA)

Rotor Screw 5-40
Cork Plate 3-48
Rotor String 3-48
Lever String 2-56
Lever Rod 3-48
Lyre Screw 8-32

YAMAHA (metric)

Rotor Screw 4.0 x 0.7
Cork Plate 3.0 x 0.6
Rotor String 3.0 x 0.6
Lever String 3.0 x 0.6
Lever Rod 4.0 x 0.7
Lyre Screw 3.5 x 0.6

BARITONE/ EUPHONIUM

BESSON

W. Key 3-56
Finger Button 4.0 x 0.7mm
Lyre Screw 6-38

BACH/BUNDY/MERCEDES

W. Key Pin (No Threads)
Finger Button 8-32
Valve Stem 10-32
Lyre Screw 8-32

CONN (14I & 15I)

W. Key 3-48
Finger button 6-40
Valve Stem 5x.8mm
Bell Screw 8-32

CONN (20I & 21I)

Finger button 6-40
Valve Stem 12-28

HOLTON

W. Key 1-64
Finger Button 6-36
Valve Stem 10-32
Bell Screw 8-32
Lyre Screw 8-32

KING

W. Key 5-40
Finger Button 8-32
Valve Stem 1/4-28
Lyre Screw 6-32

MIRAPHONE

W. Key 2-56
Finger Button 8-36
Lyre Screw 8-32

OLDS (Fullerton, CA)

W. Key 3-48
Finger Button 8-32
Valve Stem 10-32
Bell Screw 10-32
Lyre Screw 8-32

PAN AMERICAN

W. Key 3-48
Finger Button 6-40
Valve Stem 12-32
Bell Screw 8-32
Lyre Screw 6-40

YAMAHA (metric)

W. Key 3.0 x 0.6
Finger Button 4.0 x 0.75
Valve Stem 4.0 x 0.75
Lyre Screw 4.0 x 0.75

SOUSAPHONE & TUBA

BESSON

W. Key 3-56
Finger Button 4.0 x 0.7mm
Bell Screw 1/4-20
Lyre Screw 6-38

BACH/BUNDY/MERCEDES

W. Key (No Threads)
Finger Button 8-32
Valve Stem 10-32
Bell Screw 1/4-20
Lyre Screw 6-36

CONN- 14K,36K,10J,11J,15J

W. Key 3-48
Finger Button 6-40
Valve Stem 5x.8mm
Bell Screw 1/4-20
Lyre Screw 6-40
Mouthpipe 8-32

HOLTON-AMERICAN MADE

W. Key 1-64
Finger Button 6-36
Valve Stem 10-32
Bell Screw 1/4-24
Lyre Screw 6-36
Mouthpipe 8-32

HOLTON-JAPANESE

All models with the Letter "R" after model number. Same as Yamaha.

KING

W. Key 5-40
Finger Button 8-32
Valve Stem 1/4-28
Bell Screw 5/16-24
Lyre Screw 6-32
Mouthpipe Old 10-32
Mouthpipe New 8-32

MIRAPHONE

W. Key 2-56
Finger Button 8-36
Bell Screw 5/16-20
Lyre Screw 8-32

OLDS & REYNOLDS (Fullerton, CA)

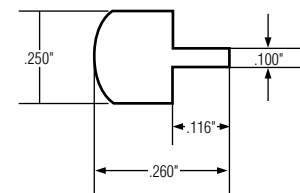
W. Key 3-48
Finger Button 8-32
Valve Stem 10-32
Bell Screw 1/4-32
Lyre Screw 6-36
Mouthpipe 10-32

REYNOLDS (Cleveland, OH)

Finger Button 8-32
Valve Stem 1/4 x 28

YAMAHA (metric)

W. Key 3.0 x 0.6
Finger Button 4.0 x 0.75
Valve Stem 4.0 x 0.75
Bell Screw 8.0 x 0.625
Lyre Screw 4.0 x 0.75



**DIMENSIONS FOR OLDS
AMBASSADOR
(Fullerton, CA) TROMBONE SLIDE
LOCK RING PIN. THIS CAN BE
MADE USING 1/4\"**

SERIAL NUMBER LIST

BACH SERIAL NUMBERS

TRUMPETS & CORNETS

SERIAL NUMBER	YEAR	SERIAL NUMBER	YEAR
14	1925	12000	1953
200-400	1926	13600	1955
500	1926	30000 to 33000	1955
600	1927	19500	1960
900	1928	21000	1961
8600-8700	1928	24000	1964
1450	1930	30000	1965
2250	1935	50000	1970
1000	1939	100000	1974
4650	1940	112000	1975
5500	1941	175000	1980
6500	1945	200000	1981
9100	1950	230000	1983
		250000	1985
		336000	1990
		420000	1994

TROMBONES

SERIAL NUMBER	YEAR
1st trombone	1929
200	1933
400	1935
1600	1940
2200	1942
2500	1945
3450	1950
4500	1955
5700	1960
5950	1961
6900	1964
8000	1965
11800	1970
17500	1975
25000	1977
39000	1979
41000	1980
55000	1983
65000	1985
91000	1990
115000	1994

BENGE SERIAL NUMBERS

SERIAL NUMBER	YEAR
Up to 10,000	Before 1973
10,000	1973
12,000	1974
14,000	1975
18,000	1976
21,000	1977
26,000	1978
30,000	1979
34,000	1980

BLESSING INSTRUMENTS

SERIAL NUMBER	DATE SOLD
41509 - 52000	Sept. 1946 to June 1950
52001 - 68000	June 1950 to June 1955
68001 - 93000	June 1955 to June 1960
93001 - 130550	June 1960 to Jan. 1964
130551 - 171616	Jan. 1964 to Jan. 1970
171617 - 218000	Jan. 1970 to Jan. 1975
218001 - 281228	Jan. 1975 to Jan. 1980
Serial numbers prior to 1946 are unavailable	

BUESCHER/BUNDY SERIAL NUMBERS

This list includes Bundy saxophone starting in 1952, Bundy and Mercedes sousaphones to date. This does not include student instruments produced under "Elkhart" label by Buescher.

The first Buescher horns were manufactured in 1888. Serial numbers up to approximately 4000 were produced prior to the fire at the Buescher plant in 1903 when all files were destroyed. Serial numbers were started at 5000 in the new building in 1905.

SERIAL NUMBER	YEAR	SERIAL NUMBER	YEAR
5000	1905	332000	1950
11250	1910	350000	1955
25103	1915	360000	1960
61255	1920	381000	1963
175275	1925	408818	1965
255250	1930	520000	1970
269000	1935	630000	1975
291000	1940	785000	1980
303000	1945	875000	1983

AGE OF INSTRUMENTS

BOOSEY & CO. 1891 - 1934

YEAR	BRASS	FLUTES	REEDS	YEAR	BRASS	FLUTES	REEDS
1891	39632	13703	10948	1915	93415	20132	21182
1892	41506	14020	10994	1916	98316	20431	21605
1893	43393	14338	11436	1917	100679	20588	21963
1894	45080	14567	11843	1918	103990	10794	22192
1895	46572	14810	12163	1919	104183	20936	22406
1896	47880	15015	12476	1920	108455	21090	22918
1897	49539	15239	12797	1921	111174	21415	23490
1898	51590	15571	13184	1922	114261	21672	24064
1899	53895	15724	13452	1923	116945	21907	24730
1900	56375	16062	13865	1924	119411	22146	25144
1901	59198	16307	14328	1925	121910	22320	25661
1902	61677	16506	14793	1926	125285	22541	26172
1903	64179	16715	15261	1927	128009	22698	26824
1904	66495	16977	15682	1928	131460	22786	27339
1905	68978	17339	16228	1929	134299	22830	27874
1906	71718	17637	16678	1930	136685	22936	28696
1907	73814	17866	17162	1931	138565	23056	29458
1908	75600	18141	17600	1932	140164	23264	29809
1909	77423	18487	18060	1933	141820	23520	30403
1910	79257	18800	18497	1934	145643	23659	30981
1911	81723	18960	18894	1940	---	24500	35142
1912	83688	19226	19437	1944	---	---	36000
1913	85996	19344	20062	1948	---	---	50900
1914	88523	19600	20425				

HAWKES BRASS

YEAR	NUMBER
1914	32000
1918	39000
1930	60000

BESSON BRASS

YEAR	NUMBER
1870	10800
1875	17600
1883	28815
1886	35500
1890	45000
1895	55000
1898	63000
1905	76000
1911	93000
1914	100700
1921	111300
1931	124350
1944	130000
1948	135000

BESSON TROMBONES

YEAR	NUMBER	YEAR	NUMBER
1900	3070	1916	10800
1908	9000	1924	12600
1911	9300	1935	13950
1912	9950	1940	14659 & 15088

BOOSEY & HAWKES BRASS & WOODWIND 1935 - 1986

YEAR	BRASS	YEAR	BRASS	WOODWIND	YEAR	BRASS	WOODWIND
1935	145199	1951	177608	52931	1971	490000	350000
1936	146673	1952	180519	---	1972	515000	375000
1937	148811	1953	182842	---	1973	529000	395000
1938	151140	1954	185201	---	1974	540000	412000
1939	153435	1955	192569	115630	1975	566000	435000
1940	155743	1956	211560	---	1976	586000	447000
1941	157774	1957	238659	---	1977	590000	466000
1942	159290	1958	269345	---	1978	615000	486000
1943	159898	1959	288450	---	1979	635000	500000
1944	160568	1960	303448	183400	1980	650000	515000
1945	161408	1966	326600	265000	1981	663000	526800
1945	162913	1967	370000	277000	1982	670200	542100
1947	165575	1968	443000	298000	1983	689300	652900
1948	169451	1969	460000	311500	1986	744000	---
1949	172247	1970	475000	330000			
1950	174903						

SERIAL NUMBER LIST

BUFFET SERIAL NUMBERS

SAXOPHONES

SERIAL NUMBER	YEAR OF MFG.
2925	1952
3115	1953
3390	1954
3763	1955
4226	1956
4817	1957
5392	1958
6172	1959
6808	1960
7416	1961
8656	1962
9669	1963
10064	1964
11749	1965
12778	1966
13766	1967
14487	1968
15347	1969
16323	1970
17319	1971
18445	1972
19787	1973
21441	1974
22687	1975
24417	1976
26151	1977
27280	1978
28733	1979
30190	1980
31539	1981
32961	1982
33924	1983
34664	1984
35733	1985

CLARINETS (French)

SERIAL NUMBERS	YEAR OF MFG.	SERIAL NUMBERS	YEAR OF MFG.
1-2500 (est.)	1929	266397	1985
2501 - 4999 (est.)	1930	270634	1985
5000 - 7499 (est.)	1931	277483	1986
7500 - 9999 (est.)	1932	292268	1987
10000 - 12500 (est.)	1933	302624	1988
12501 - 15000 (est.)	1934	312700	1989
15001 - 18000 (est.)	1935	324770	1990
18001 - 20000 (est.)	1936	337911	1991
20001 - 22000 (est.)	1937	352251	1992
22001 - 24000 (est.)	1938	367800	1993
24001 - 26000 (est.)	1939		
26001 - 27000 (est.)	1940		
27001 - 28000	1940-1945		
About 3000 per year 1945-1957			
58835	1958		
59144	1959		
62458	1960		
65957	1961		
69718	1962		
75320	1963		
78094	1964-1966		
93206	1967		
99332	1968		
105618	1969		
111417	1970		
117748	1971		
126210	1972		
133904	1973		
143518	1974		
153324	1975		
163568	1976		
173827	1977		
183902	1978		
191873	1979		
201532	1980		
210653	1981		
2212615	1982		
234696	1983		
250372	1984		

CALICCHIO SERIAL NUMBERS

1927-1947 Numbers 1,000 to 1,300

1947 on 1,400 to about 2,600

At time of Dominic's Death (1979)

Serial numbers are not necessarily consecutive

SERIAL NUMBER LIST

CONN

Guide for determining the approximate age of Conn band instruments.

CUP MOUTHPIECE INSTRUMENTS

SERIAL NUMBER	SHPG. DATE	SERIAL NUMBER	SHPG. DATE
1	1876	142,575	1916
700	1877	146,600	1917
1,700	1878	155,000	1918
3,000	1879	165,900	1919
5,000	1880	169,500	1920
6,000	1881	175,500	1921
7,000	1882	190,450	1922
8,000	1883	198,475	1923
9,000	1884	206,700	1924
10,500	1885	219,850	1925
12,000	1886	230,900	1926
13,000	1887	239,500	1927
14,000	1888	252,900	1928
16,500	1889	263,200	1929
18,000	1890	273,700	1930
20,000	1891	280,130	1931
22,500	1892	281,360	1932
25,000	1893	289,743	1933
27,500	1894	294,687	1934
29,000	1895	300,690	1935
34,000	1896	307,996	1936
40,000	1897	315,575	1937
46,700	1898	322,650	1938
52,000	1899	324,859	1939
58,000	1900	327,850	1940
66,700	1901	338,500	1941
71,000	1902	348,150	1942
76,000	1903	354,600	1943
82,000	1904	355,500	1944
88,000	1905	355,750	1945
94,000	1906	355,850	1946
100,000	1907	366,650	1947
106,000	1908	376,100	1948
111,000	1909	383,650	1949
116,000	1910	389,600	1950
121,000	1911	396,300	1951
126,000	1912	393,301	1952
130,150	1913	420,057	1953
132,400	1914	427,301	1954
137,000	1915	500,001	1955
		571,850	1956

REED INSTRUMENTS

SERIAL NUMBER	SHPG. DATE	SERIAL NUMBER	SHPG. DATE
1	1895	193,450	1927
2,000	1896	209,250	1928
2,500	1897	224,600	1929
3,000	1898	237,800	1930
3,500	1899	244,700	1931
3,900	1900	249,230	1932
4,400	1901	256,501	1933
5,100	1902	260,000	1934
6,700	1903	263,500	1935
8,500	1904	271,000	1936
9,600	1905	278,000	1937
10,800	1906	284,000	1938
12,000	1907	285,000	1939
13,000	1908	288,300	1940
15,400	1909	295,250	1941
17,800	1910	304,500	1942
21,200	1911	309,250	1943
22,500	1912	309,300	1944
25,000	1913	310,200	1945
30,000	1914	314,000	1946
35,000	1916	320,000	1947
40,000	1917	327,150	1948
50,000	1919	332,150	1949
58,000	1920	337,250	1950
64,000	1921	341,850	1951
83,000	1922	341,851	1952
101,775	1923	354,742	1953
124,600	1924	359,251	1954
145,400	1925	500,001	1955
167,900	1926	571,750	1956

CONN CUP MOUTHPIECE and REED MOUTHPIECE INSTRUMENTS 1957 - 1972

DATE	SERIAL NUMBER	DATE	SERIAL NUMBER
1957	652002	1965	E54106
1958	718626	1966	H31247
1959	779657	1967	K35274
1960	834200	1968	L20454
1961	898556	1969	"M" Prefix
1962	949465	1970	"N" Prefix
1963	C00501	1971	"P" Prefix
1964	C73854	1972	"R" Prefix

CONN CUP MOUTHPIECE INSTRUMENTS 1973 - present

DATE	SERIAL NUMBER
1973	GA30000
1974	GA40000
1975	GA50000
1977	GA60000
1978	GA70000
1979	GA80000
1980	*
1981	
1982	16500 - 23430*
1983	23431 - 33388*
1984	33389 - 45521*
1985	45522 - 58991*
1986	58992 - 68841*
1987	68842 - 76617* & Prefix "37"
1988	76618 - 81115* & Prefix "38"

- "GE" Serial #'s "Gone from Elkhart" Made in Abilene, Tx
- From 1987 to 1995, the prefix number plus 50 gives you the year of manufacture.
- From 1996-2000 "5" preceeded the serial number.
- From 2001 on the prefix was dropped entirely.

*1980 to 1986 serial numbers are for student trumpet and cornets only. Other cup mouthpieces are not available at this time.

CONN SAXOPHONES 1976 - present

DATE	SERIAL NUMBER
1976	83000 - 89496
1977	91314 - 98992
1978	98993 - 111820
1979	111821 - 128691
1980	128692 - 145001
1981	145002 - 154753
1982	154954 - 170073
1983	170074 - 184336
1984	184337 - 201207
1985	201208 - 221243
1986	221244 - 240141
1987	240142 - 261465
1988	261466 - 273178
	3811713 - 3821881

From 1988, the prefix number plus 50 gives you the date of manufacture.

SERIAL NUMBER LIST

FOX SERIAL NUMBERS

The number indicated for each year represents the serial number of a bassoon shipped at the beginning of that year. Both Fox and Renard bassoons use the same sequence of numbers. Fox and Renard oboes and Fox contrabassoons each use their own number sequences.

Bassoon

1951	No. 1
1952	No. 2 through No. 13
1953	Records for 1953 and 1954 are incomplete
1954	
1955	No. 245
1956	No. 318
1957	No. 365
1958	No. 444
1959	No. 502
1960	No. 551 (First plastic bassoon: No. 638)
1961	No. 640
1962	No. 763
1963	No. 890
1964	No. 1018
1965	No. 1169
1966	No. 1372
1967	No. 1623 (First short bore bassoon: No. 1894)
1968	No. 1973
1969	No. 2355
1970	No. 2678
1971	No. 2995 (First Renard Bassoon: No. 3013)
1972	No. 3402

1973	No. 3934
1974	No. 4438
1975	No. 5059
1976	No. 5815
1977	No. 6405
1978	No. 7030
1979	No. 7765
1980	No. 8511
1981	No. 9165
1982	No. 9965
1983	No. 10805
1984	No. 11385
1985	No. 12120
1986	No. 12906
1987	No. 13695
1988	No. 14495
1989	No. 15408
1990	No. 16410
1991	No. 17305
1992	No. 18439
1993	No. 19613
1994	No. 20819
1995	No. 22030
1996	No. 23240
1997	No. 24575

Oboe

1975	No. 255
1976	No. 380
1977	No. 539
1978	No. 740
1979	No. 934
1980	No. 1195
1981	No. 1455
1982	No. 1765
1983	No. 2082
1984	No. 2489
1985	No. 2988
1987	No. 3916
1988	No. 4514
1989	No. 5254
1990	No. 6112
1991	No. 6990
1992	No. 7775
1993	No. 8717
1994	No. 9700
1995	No. 10846
1996	No. 12016
1997	No. 13120

HAYNES FLUTES & PICCOLOS

Serial Numbers & Year Manufactured

YEAR	NUMBER	YEAR	NUMBER	YEAR	NUMBER	YEAR	NUMBER
1900	507	1920	5572	1940	16042	1960	29359
1901	612	1921	6120	1941	16464	1961	30296
1902	655	1922	6630	1942	17057	1962	31238
1903	720	1923	7099	1943	17799	1963	32163
1904	783	1924	7613	1944	17861	1964	33033
1905	873	1925	8191	1945	17890	1965	33946
1906	1003	1926	8883	1946	18010	1966	34788
1907	1125	1927	9469	1947	18487	1967	35601
1908	1279	1928	10075	1948	19154	1968	36439
1909	1436	1929	10655	1949	19929	1969	37279
1910	1666	1930	11167	1950	20644	1970	37975
1911	1889	1931	11641	1951	21456	1971	38715
1912	2137	1932	11985	1952	22187	1972	39506
1913	2408	1933	12259	1953	22820	1973	40271
1914	2698	1934	12484	1954	23517	1974	41006
1915	3002	1935	12854	1955	24326	1975	41730
1916	3352	1936	14248	1956	25246	1976	42419
1917	3804	1937	14748	1957	26214	1977	43161
1918	4422	1938	15275	1958	27242	1978	43926
1919	5002	1939	15639	1959	28334		

GUIDE TO AGE OF GETZEN INSTRUMENTS

SERIES	1964-1967	1968-1971	1972-1975	1976-1979	1980-1985	1986	1987	1988	1989	1990
"K"	K101-K12100	K12101-K31120	K31121-K61216	K61217-K81565	K61218-K113438	K113439-K117787	K117788-K124213	K124214-K127562	K127563-K131003	K131004-K136176
"SK"	SK101-SK4350	SK4351-SK13820	SK13821-SK26835	SK26836-SK36612	SK36613-SK43412	SK44482-SK45121	SK45122-SK46566	SK46567-SK48371	SK48372-SK50328	SK50329-SK52542
"A"	A101-A3190	A3191-A8115	A8116-A19626	A19627-A33453	A33454-A45936	A47586-A49686	A49686-A52777	A52778-A55603	A55604-A57841	A57842-A60425
"KB"	KB101-KB550	KB551-KB1309	KB1310-KB1890	KB1891-KB2465	KB2466-KB2795	KB2835-KB2862	KB2863-KB2982	KB2983-KB3052		
"KT"	KT101-KT4531	KT4532-KT8506	KT8507-KT12206	KT12207-KT15895	KT15896					
"F"	F101-F13850	F13851-F22698	F22699-F25630	F25631-F26272	F26273-F26828	F26828-F26828				
"EC"		EC101-EC410	EC411-EC1565	EC1566-EC3638	EC3639-EC6306	EC6826-EC7212	EC7213-EC7792	EC7793-EC8465	EC8466-EC9124	EC9125-EC9605
"SE"		SE7624-SE7827	SE7828-SE12036	SE12037-SE14784	SE14785					
"KN"		KN101-KN440	KN441-KN2173	KN2174-KN3700	KN3701-KN4330	KN4440-KN4499	KN4500-KN4589	KN4590-KN4698	KN4699-KN4778	KN4779-KN4828
"KH"		KH101-KH300	KH301-KH1299	KH1300-KH2485	KH2486-KH3215	KH3265-KH3314	KH3315-KH3454	KH3455-KH3527	KH3528-KH3587	KH3588-KH3618
"BP"		BP101-BP146	BP147-BP722	BP723-BP1690	BP1691-BP3053	BP3332-BP3610	BP3611-BP3875	BP3876-BP4043	BP4044-BP4295	BP4296-BP4445
"M"			M101-M2930	M2931-M14400						
"TP"				TP101-TP576	TP577-TP888					
"RA"					RA101-RA106	RA424-RA924	RA925-RA1513	RA1514-RA2271	RA2272-RA2707	RA2708-RA3173
"CF"					CF101-CF750	CF980-CF1079	CF1080-CF1369	CF1370-CF1599	CF1600-CF1749	CF1750-CF1902
"MB"					MB101-MB119					
"KTR"					KTR200-KTR303					
"P"					P101-P314	P344-P403	P404-P423	P424-P463	P464-P503	P504-P533

SERIES	1991	1992 (Jan.-Feb.)	3/92 (New Serial Numbers Started)	1993	1994
"K"	K136177-K137783	K137784-K138260	"P" P00100-P02064	P02065-P04496	P04497-P06921
"SK"	SK52543-SK53674	SK53675-SK54099	"R" R00100-R03428	R03429-R08463	R08464-R13540
"A"	A60426-A61781	A61782-A62070			
"EC"	EC9606-EC9932	EC9933-EC10044			
"KN"	KN4829-KN4870	KN4871-KN4887			
"KH"	KH3618-KH3629	KH3630-KH3653			
"BP"	BP4446-BP4610				
"RA"	RA3174-RA4459	RA3459-RA3464			
"CF"	CF1903-CF1950	CF1951-CF1989			
"P"	P534-P546	P547-P576			

2/21/01 "G" Serial Numbers Started

Canadian Brass	1993	1994	To help identify pre 1992 Getzen instruments in regards to serial numbers, we have listed below the following information:
CB10	1030595-1031094	1041095-1041524	
CB11		1140001-1140045	Letter Prefix Before Number K (Knowlton) SK (Severinsen/Knowlton) A KB KT F EC SE KN KH (Knut Hovalt) BP TP RA (Ray Amado) KTR P M (Moringo) SG (Severinsen)
CB12	123001-1230030	1240031-1240130	
Getzen Marching Horns	1993	1994	Series 300 & 895 900 580 & 590 310 350 All Bugles -1 valve 800 950, 947 & 948, 925, 945 998, 999 896 940 All Bugles - 2 valve Renaissance 357, 750, 951 540 - 3001 (2000 → 2001)
	A6884-A7076 B6022-B6190 D7044-D7165 F6322-F6388 H6962-H7021 K7056-K7075	A7077-A7166 B6191-B6465 D7166-D7265 E0100-E0189 K7076-K093	

SERIAL NUMBER LIST

FRANK HOLTON & CO.

Instrument Serial Number by Year

SERIAL NUMBER		DATE	SERIAL NUMBER		DATE
0-253	Chicago	1901	111099	Elkhorn, WI	1932
254-475	Production	1902	113990		1933
476-525		1903	115000		1934
526-1150		1904	117300		1935
1151-1871		1905	118600		1936
1872-3344		1906	120600		1937
3345-4629		1907	122900		1938
4630-6070		1908	125850		1939
6071-9473		1909	132800		1940
9474-12401		1910	140100		1941
12402-15949		1911	151300		1942
15950-20806		1912	154200		1943
20807-21099		1913	154700		1944
21100-31621		1914	154900		1945
31622-33670		1915	156100		1946
33671-37908		1916	165600		1947
37909-41069		1917	182000		1948
41070-43972		1918	198300		1949
55000-55249	Elkhorn Plant opens	1918	210300		1950
43973-57600		1919	220500		1951
55250-57040		1919	232600		1952
*Serial numbers are not clear for 1920 and 1921			243350		1953
47601-49817		1920	254100		1954
57041-58499		1920	269000		1955
70000-70549		1920	281400		1956
49818-54999		1921	293700		1957
58500-59499		1921	307400		1958
70550-73199		1921	315700		1959
59500-60599		1922	326100		1960
73200-76099		1922	337600		1961
60600-61649		1923	348400		1962
76100-81000		1923	358500		1963
61650-62199		1924	373700		1964
81001-85600		1924	388950		1965
62200-62899		1925	403351		1966
85900-89849		1925	536000		1967
62900-63149		1926	455750		1968
89850-92799		1926	467100		1969
63150-63299		1927	483100		1970
92800-97199		1927	496800		1971
63300-63549		1928	504201		1972
97200-101399		1928	519300		1973
63550-63849		1929	524600		1974
101400-105199		1929	529900		1975
63850-64049		1930	535200		1976
105200-108399		1930	542000		1977
64050-64149	Last Year	1931	548430		1978
108400-111049	in Chicago	1931	553525		1979

SERIAL #'S FOR JUPITER BAND INSTRUMENTS

Production of Jupiter instruments began in 1986. From 1986 thru 1989, model numbers appearing on instruments were alpha-numeric beginning with the Letter "S". (ie. STR-600ML Trumpet). From 1990 to the present, the sequence for the model number begins with the Letter "J" (ie. JTR-600ML Trumpet). During 1998, serial numbers also became alpha-numeric beginning with the letter "A".

MODEL YR.	MODEL NUMBER SEQUENCE BEGINS WITH LETTER	SERIAL NUMBER SEQUENCE BEGINS WITH #/ LETTER
1986	S	5
1987	S	6
1988	S	7
1989	S	8
1990	J	9
1991	J	0
1992	J	1
1993	J	2
1994	J	3
1995	J	4
1996	J	5
1997	J	6
1998	J	7
1999	J	A
2000	J	B

SERIAL NUMBER LIST

MARTIN “COMMITTEE” MODEL

Year	Serial Number
1919	17,211
1920	19,482
1921	23,781
1922	29,942
1923	34,838
1924	40,644
1925	48,489
1926	67,852
1927	79,254
1928	86,687
1929	92,536
1930	98,324
1931	101,622
1932	105,096
1933	106,546
1934	108,301
1935	111,253
1936	116,551
1937	118,038
1938	126,998
1939	132,070
1940	136,040
1941	140,199
1942	144,455
1943	145,322
1945	145,352
1946	154,289
1947	161,520
1948	165,326
1949	170,395
1950	172,215
1951	175,410
1952	179,317
1953	183,125
1954	187,614
1955	193,747
1956	196,213
1957	201,917
1958	203,809
1959	205,377
1969	209,089
1961	211,675
1962	213,999
1963	218,855
1964	248,954
1965	300,102
1966	301,119
1967	305,102

MARTIN “INDIANA” MODEL

Year	Serial Number
1925	152342
1926	162852
1927	1
1928	485
1929	1027
1930	2982
1931	7119
1932	7943
1933	8726
1934	9584
1935	10758
1936	14526
1937	15396
1938	18861
1939	20563
1940	23231
1941	24572
1942	26643
1943	27982
1944	28850
1945	29944
1946	31244
1947	33147
1948	35190
1949	36895
1950	38905
1951	40525
1952	41693
1953	45824
1954	49586
1955	53615
1956	56162
1957	66749
1958	66727
1959	70988
1960	76224
1961	81885
1962	87850
1963	89472
1964	90265
1965	90874
1966	91550

VITO ALTO CLARINET MODEL 7165

Year	Serial Number
1964	1207
1965	1644
1966	1977
1967	2386
1968	2869
1969	3567
1970	4554
1971	5582
1972	6763
1973	7388
1974	7613
1975	8298
1976	8684
1977	9131
1978	9506
1979	9751
1980	1040A
1981	1173A
1982	1415A
1983	1602A
1984	1801A
1985	1939A
1986	2099A
1987	2155A
1988	2291A
1989	2422A
1990	2552A
1991	2632A
1992	2824A
1993	2977A
1994	3086A
1995	3116A
1996	3198A
1997	3234A
1998	3345A
1999	0171A
2000	3586A
2001	3645A
2002	3738A
2003	3879A

VITO BASS CLARINET MODELS 7166 & 7168

Year	Serial Number
1964	101A
1965	990A
1966	2460A
1967	3526A
1968	4386A
1969	7149A
1970	8595A
1971	9761A
1972	1809B
1973	2026B
1974	4189B
1975	5889B
1976	6950B
1977	7245B
1978	8366B
1979	9446B
1980	624C
1981	1402C
1982	2213C
1983	3110C
1984	3565C
1985	4903C
1986	5798C
1987	6631C
1988	7560C
1989	8545C
1990	9708C
1991	1174D
1992	2651D
1993	3667D
1994	5370D
1995	6266D
1996	7505D
1997	8898D
1998	0617E
1999	2161E
2000	4043E
2001	6354E
2002	8848E
2003	1225F

VITO CLARINET MODELS: 7212, 7213, 7214, V40, CL612, CL614, 7242

Year	Serial Number
1972	A80000 - B00235
1973	B00236 - B19755
1974	B19756 - B43177
1975	B43178 - B67359
1976	B67360 - B89670
1977	B89671 - C00000
1978	C11804 - C30365
1979	C30366 - C54833
1980	C54834 - C75803
1981	C75804 - D01578
1982	D01579 - D25635
1983	D25636 - E13604
1984	E13605 - A07632
1985	A07633 - A22037
1986	A22038 - A37938
1987	A37939 - A61456
1988	A61457 - A86496
1989	A86497 - B14492
1990	B14493 - B40076
1991	B40077 - B64823
1992	B64824 - B89436
1993	B89437 - C18260
1994	C18261 - C45957
1995	C45958 - C74050
1996	C74051 - D04016
1997	D04017 - D33263
1998	D33264 - D62070
1999	D62071 - D86150
2000	D86151 - E09559
2001	E09560 - E33519
2002	E33520 - E53900
2003	E53901 -

SERIAL NUMBER LIST

KING - CLEVELAND

The following information was compiled from serial number records which were not complete. Because of this, it is to be used as a guide or rough estimate of when a King or Cleveland model instrument was manufactured. It does not pertain to those models which were marketed under the Gladiator, American Standard, or other trademarks.

Cleveland

DATE	SERIAL NUMBER
1925-1930	1- 10000
1930-1935	10001- 30000
1935-1940	30001- 40000
1940-1945	40001- 45000
1945-1950	45001- 50000
1950-1955	50001- 65000
1955-1960	65001-100000
1960-1965	100001-160000
1965-1970	160001-420000
1970-1975	420001-600000

King

DATE	SERIAL NUMBER	DATE	SERIAL NUMBER
1893-1915	1- 50000	1965-1970	406501-457600
1915-1925	50000- 78000	1970-1975	457601-511750
1925-1930	78001-126000	1975-1980	511751-850975
1930-1935	126001-161000	1981-1982	850976-906859
1935-1940	161001-220000	1983-1984	906860-976571
1940-1945	220001-275000	1985-1986	976572-999999
1945-1950	275001-305000	after 1986	100000-159464
1950-1955	305001-340000		
1955-1960	340001-370000		
1960-1965	370001-406500		

- From 1987 to 1995, the prefix number plus 50 gives you the year of manufacture.
- From 1996-2000 "5" preceeded the serial number.
- From 2001 onward the prefix was dropped entirely.

MEINL - WESTON TUBAS

Sold thru Getzen

Bb and BBb Tubas					C and CC Tubas		
	Model 10 3 Piston	Model 11 4 Piston	Model 20 4 Rotor	Model 25 4 Rotor	Model 30 4 Rotor	Model 32 4 Rotor	Model 2155 5 Piston
1967	P-101		B-101	B-5001	C4-101		
1968	P-111		B-122	B-5011	C4-103	C5-101	
1969	P-242	P4-101	B-224	B-5051		C5-105	
1970	P-311	P4-111	B-307	B-5099	C4-114	C5-109	
1971	P-358	P4-121	B-404	B-5143	C4-115	C5-117	
1972	P-581	P4-158	B-524	B-5186		C5-124	
1973	P-653	P4-212	B-587	B-5208	C4-122	C5-126	
1974	P-856	P4-255	B-621	B-5220	C4-131	C5-131	
1975	P-931	P4-265	B-681	B-5246	C4-134	C5-137	
1976	P-1050	P4-311	B-739	B-5267	C4-135	C5-138	
1977	P-1203	P4-368	B-802	B-5281	C4-195	C5-140	
1978	P-1302	P4-419	B-841	B-5305	C4-200	C5-141	
1979	P-1257	P4-450	B-883	B-5373	C4-203	C5-144	
1980	P-13149	P4-490	B-1026	B-5382	C4-205		
1981	P-13299	P4-533	B-1033	B-5383	C4-206	C5-150	
1982	P-13150		B-1060	B-5395	C4-216	C5-153	
1983	P-13240	P4-82592	B-1075	B-5407	C4-220	C5-158	
1984	P-13344	P4-84380	B-1127	B-5429	C4-225	C5-165	
1985	P-13362	P4-84694	B-1142	B-5439	C4-227	C5-167	
1986	P-13424		B-1165	B-5449	C4-235	C5-172	
1987	P-13460	P4-86213	B-1191	B-5481	C4-245	C5-182	
1988			B-1216	B-5508			
1989	P-13516		B-1239				CF-100
1990			B-1245	B-5529			CF-105
1991			B-1249	B-5533	C4-251	C5-188	CF-108
1992			B-1250	B-5552		C5-192	CF-109

MIRAPHONE

Guide for determining approximate age of Mirafone brass instruments.

SERIAL NUMBER	YEAR BUILT
No Numbers	Prior 1960
1463 - 1666	1960
1667 - 1962	1961
1963 - 2198	1962
2199 - 2406	1963
2407 - 2680	1964
2681 - 3033	1965
3034 - 3493	1966
3494 - 4106	1967
4107 - 4833	1968
4834 - 5779	1969
5780 - 6560	1970
6561 - 7559	1971
7560 - 8143	1972
8144 - 8832	1973
8833 - 9502	1974
9503 - 10093	1975
10094 - 10546	1976
10547 - 11062	1977
11063 - 11486	1978
11487 -	1979

OLDS-REYNOLDS

Fullerton, CA Production Only

HISTORICAL DATA ON PRODUCTION

APPROXIMATE AGE CHARTS:

<u>Olds</u>		<u>Reynolds</u>		<u>Bugles</u>	
73000	Mar. 1952	200000	Nov. 1964	1000	Feb. 1968
80000	Jul. 1952	210000	Nov. 1965	2000	Dec. 1968
90000	Feb. 1953	220000	Oct. 1966	3000	Oct. 1966
100000	Oct. 1953	230000	Jul. 1967	4000	Jul. 1969
150000	Aug. 1955	240000	May 1968	5000	Jan. 1970
200000	Nov. 1956	250000	Nov. 1969	6000	Jul. 1970
250000	Jul. 1957	260000	Apr. 1971	7000	Dec. 1970
300000	Sep. 1958	270000	Aug. 1972	8000	Jul. 1971
350000	Jun. 1959	280000	Oct. 1973	9000	Jan. 1972
400000	Mar. 1962	290000	Jun. 1974	10000	Jan. 1972
450000	Feb. 1964	300000	Sep. 1975	11000	Apr. 1972
500000	Feb. 1965	310000	Aug. 1976	12000	Nov. 1972
550000	Jun. 1966	314587	Oct. 1977	13000	May 1973
600000	Jun. 1967	After producing over 1,000,000 instruments, the Norlin Co. closed its doors on July 13, 1979. P.J. LaPlaca Assoc. Ltd. purchased the sole rights to the F.E. Olds & Son label and is still producing instruments using the Olds and Reynolds label.		14000	Feb. 1974
650000	Jun. 1968			15000	Dec. 1974
700000	Jun. 1969			16000	Sep. 1975
750000	Jun. 1971			17000	May 1976
800000	Jun. 1972			18000	Jun. 1976
850000	Oct. 1973			19000	Nov. 1976
900000	Nov. 1974			20000	Feb. 1977
950000	Apr. 1976			20886	Oct. 1977
970000	Sep. 1976				
990000	Mar. 1977				
999999	Sep. 1977				

OLDS, REYNOLDS AND BUGLES IN CONSECUTIVE SERIAL NUMBER ORDER:

A00001	Oct. 1977	A16496	Apr. 1978	A28375	Sep. 1978
A05266	Dec. 1978	A18163	May 1978	A31565	Oct. 1978
A06741	Jan. 1978	A20876	Jun. 1978	A34616	Nov. 1978
A10066	Feb. 1978	A24530	Jul. 1978	A37470	Dec. 1978
A12537	Mar. 1978	A24606	Aug. 1978	A40550	Jan. 1979

SERIAL NUMBER LIST

SCHILKE

Prior to 1961, Schilke Instruments were marked with the date of completion as the serial number. For example: a trumpet with number 4859 was actually dated as April 8, 1959. Beginning in 1961 a new numbering system was put into effect. The following list is a sequential account of the serial numbers followed by the year of completion.

<u>SERIAL NUMBER</u>	<u>DATE</u>	<u>SERIAL NUMBER</u>	<u>DATE</u>
1110-1212	1961	6924-7346	1975
1213-1218	1962	7347-7261	1976
1219-1221	1961	7362-7594	1975
1222-1225	1962	7595-7613	1976
1226-1269	1961	7614-7713	1975
1270-1281	1963	7714-7723	1976
1282-1285	1962	7724-7736	1975
1286-1290	1961	7737-7747	1976
1291-1302	1963	7762-7769	1976
1308-1422	1962	7770-7793	1975
1423-1508	1963	7794-8595	1976
1509-1570	1967		
1574-1575	1964	20401-20496	1970
1600-1629	1969	20497-20899	1971
1630-1999	1970	20900-20971	1972
2000-2044	1963	21001-21016	1972
2045-2220	1964	21023-21047	1971
2221-2226	1965	21048-21052	1972
2227-2234	1966	21055-21074	1973
2235-2236	1967	21075-21090	1974
2237-2510	1965	21091-21099	1973
2511-2766	1966	21100-21421	1972
2767-2846	1967	22318-23139	1974
2847-2858	1968	23140-23359	1975
2859-3143	1967	23360-23367	1976
3144-3609	1968	23400-23985	1975
3610-3618	1969	23986-24635	1976
3619-3647	1968	24200A-24300A	1976
3648-4163	1969		
4164-4637	1970		
4638-4649	1971		
4650-4703	1970		
4704-5255	1971		
5256-5816	1972		
5817-6293	1973		
6294-6923	1974		

SELMER (PARIS) CLARINETS

There is no definitive information available as to when particular types of instruments, such as the Model 55, the Radio Improved, Balanced Tone, etc., began insofar as serial numbers is concerned. Unlike some of the saxophone models, each clarinet is clearly marked as to its model.

SELMER (PARIS) CLARINETS

#400 – 1/1/27
#3070 – 1/1/29
#9999 – 1/1/31

L SERIES

L1000 – 12/1/31
L2100 – 1/1/32
L3250 – 1/1/33
L4300 – 1/1/34
L5500 – 1/1/35
L6600 – 1/1/36
L7750 – 1/1/37
L8800 – 1/1/38
L9900 – 1/1/39

M SERIES

M1000 – 2/1/39
M2400 – 1/1/40

During the WWII years, manufacturer was very sketchy, as are the records. The K Series was produced then.

M3400 on – during 1944
M6000 on – during 1945
M8000 on – during 1946

N SERIES

N100 – 10/1/46
N1000 – 2/1/47
N2800 – 1/1/48
N4900 – 1/1/49
N6600 – 1/1/50
N8100 – 1/1/51

P SERIES

P1200 – 1/1/52
P4200 – 1/1/53
P7400 – 1/1/54

Q SERIES

Q1100 – 1/1/55
Q4350 – 1/1/56
Q7290 – 1/1/57

R SERIES

R1200 – 1/1/58
R6100 – 1/1/59

S SERIES

S1150 – 1/1/60
S4160 – 1/1/61
S7390 – 1/1/62

T SERIES

T1400 – 1/1/63
T5800 – 1/1/64

U SERIES

U1100 – 1/1/65
U5700 – 1/1/66

V SERIES

V1000 – 1/1/67
V4800 – 1/1/68
V7900 – 1/1/69

W SERIES

W1700 – 1/1/70
W5900 – 1/1/71

X SERIES

X1500 – 1/1/72
X6400 – 1/1/73

Y SERIES

Y1200 – 1/1/74
Y6300 – 1/1/75

Z SERIES

Z1100 – 1/1/76
Z5200 – 1/1/77

A SERIES

A1000 – 10/1/78 to date

SELMER (PARIS) SAXOPHONES

Selmer Baritone Sax #969 – 4/1/27
Selmer C Melody #4000 – 4/1/27
Selmer Alto #4300 – 9/1/27
Selmer Soprano #5000 – 4/1/27
#6000 - Alto – 11/1/27
#7000 - Alto – 4/1/28
#8000 - Alto – 12/1/28
#9000 - Baritone – 11/2/28
#9000 - Soprano – 9/25/28

To this point, each type had its own numbering sequence. Then the system was changed to include all types in one series of numbers.

#10,000 – 6/12/29
#11,000 – 10/8/29
#12,000 – 2/28/30
#13,000 – 9/1/30
#14,000 – 4/1/31
#15,000 – 10/1/31
#16,000 – 4/7/31
#17,000 – 11/15/32
#18,000 – 7/15/33
#19,000 – 4/1/34
#20,000 – 3/27/35
#21,000 – 11/15/35
#22,000 – 4/10/36
#23,000 – 12/18/36
#24,000 – 5/1/37
#25,000 – 1/27/38
#26,000 – 10/10/38
#27,000 – 5/15/39
#28,000 – 9/8/39
#29,000 – 12/15/39
#30,000 – 10/15/40

WORLD WAR II

#33,000 – 6/1/47
#34,000 – 10/6/47
#35,000 – 1/30/48
#36,000 – 11/1/48
#37,000 – 11/8/49
#38,000 – 4/30/49
#39,000 – 11/25/49
#40,000 – 5/11/50
#41,000 – 6/20/50
#42,000 – 12/5/50
#43,000 – 5/15/51
#44,000 – 11/9/51
#45,000 – 8/29/51
#46,000 – 3/1/52
#47,000 – 7/7/52
#48,000 – 8/28/52
#49,000 – 12/9/52
#50,000 – 7/24/53
#51,000 – 11/23/53
#52,000 – 2/10/54
#53,000 – 4/1/54
#54,000 – 7/30/54
#55,000 – 10/1/54

#56,000 – 11/11/54
#57,000 – 1/7/55
#58,000 – 4/27/55
#59,000 – 8/1/55
#60,000 – 10/21/55
#61,000 – 12/19/55
#62,000 – 2/25/56
#63,000 – 5/22/56
#64,000 – 9/20/56
#65,000 – 11/1/56
#66,000 – 2/21/57
#67,000 – 4/8/57
#68,000 – 6/20/57
#69,000 – 10/9/57
#70,000 – 12/3/57
#71,000 – 2/11/58
#72,000 – 4/10/58
#73,000 – 6/24/58
#74,000 – 8/20/58
#75,000 – 11/3/58
#76,000 – 2/1/59
#77,000 – 5/1/59
#78,000 – 7/1/59
#79,000 – 9/1/59
#80,000 – 11/1/59
#81,000 – 1/25/60
#82,000 – 2/10/60
#83,000 – 3/1/60
#84,000 – 4/10/60
#85,000 – 5/5/60
#86,000 – 6/28/60
#87,000 – 7/10/60
#88,000 – 8/1/60
#89,000 – 10/5/60
#90,000 – 3/16/61
#91,000 – 4/10/61
#92,000 – 7/20/61
#93,000 – 11/1/61
#94,000 – 1/2/62
#95,000 – 2/1/62
#96,000 – 3/2/62
#97,000 – 4/1/62
#98,000 – 5/1/62
#99,000 – 6/10/62

#100,000 – 7/14/62
#101,000 – 10/25/62
#102,000 – 11/18/62
#103,000 – 1/1/63
#104,000 – 3/1/63
#105,000 – 4/1/63
#106,000 – 7/1/63
#107,000 – 9/10/63
#108,000 – 10/15/63
#109,000 – 11/1/63
#110,000 – 1/2/64
#111,000 – 2/10/64
#112,000 – 4/1/64
#113,000 – 5/1/64
#114,000 – 6/1/64
#115,000 – 8/1/64
#116,000 – 9/28/64
#117,000 – 10/15/64
#118,000 – 11/17/64
#119,000 – 12/15/64
#120,000 – 4/23/65
#129,000 – 1/2/66
#137,000 – 1/2/67
#149,000 – 1/2/68
#160,000 – 1/2/69
#171,000 – 1/2/70
#182,000 – 1/2/71
#192,000 – 1/2/72
#204,000 – 1/2/73
#218,000 – 1/2/74
#231,000 – 1/2/75
#243,000 – 1/2/76
#256,000 – 1/2/77
#272,000 – 1/2/78
#282,000 – 1/2/79
#300,000 – 1/2/80
#327,300 – 1981
#340,200 – 1982
#353,300 – 1983
#366,400 – 1984
#378,800 – 1985
#391,000 – 1986
#406,000 – 1987
– 1988

ADDENDA:

1924 – Modele' 1924 Ser. #957 shown in folder.
Late 1924 – Modele' 22 Ser. #980 & #1524 known to exist.
1927 – Modele' 26 Ser. #3373 shown in folder.
1930 – New 'Large Bore' models.
1931 – Cigar Cutter - First 'Super' models.
#14222 shown in folder.
1934 – Still 'The Super'
1935 – Balanced Action
1947 – Late 1954 'Super Action Sax' shown in folder. 1st Low A Baritone late 1951.
1954 – Mark VI
1975 – Mark VII
1981 – Super Action 80
1986 – Super Action 80/Série II

This Information is Provided
Courtesy of:

Ralph Morgan (b. 1924 - d. 2007)
Springfield, OH 45505

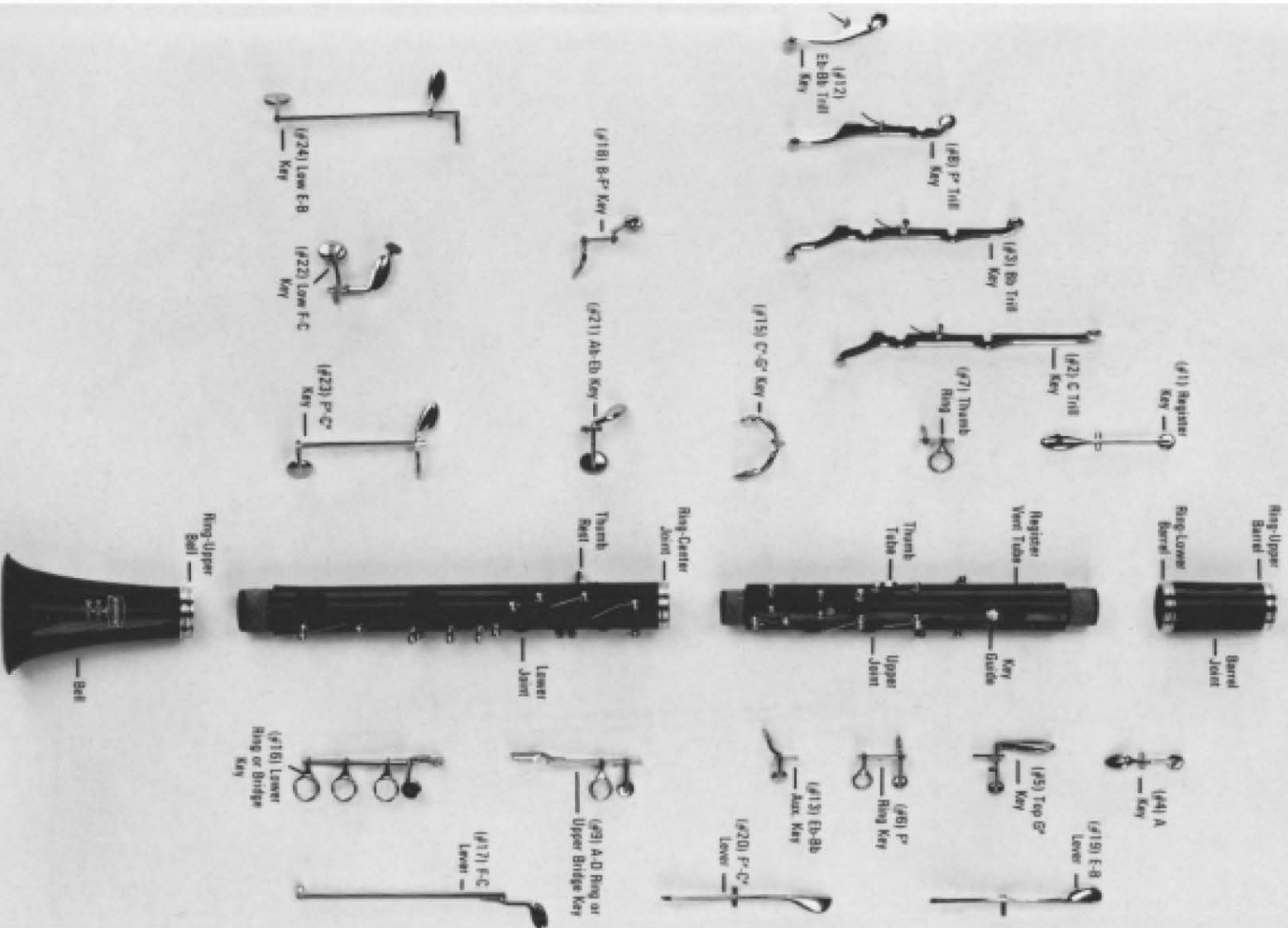
SERIAL NUMBER LIST

ESTIMATED PRODUCTION CURVES FOR YORK BAND INSTRUMENTS

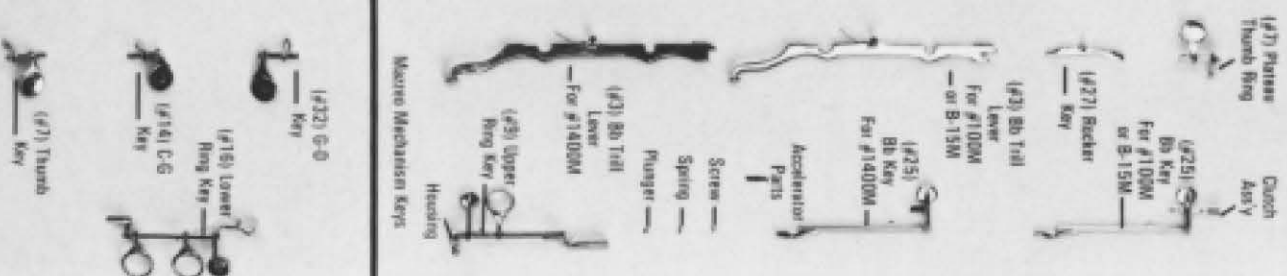
The estimated production curves for the York band instruments are based on instruments for which serial number and date of manufacture are known, as well as on an estimation of monthly output in the early part of the century and a correlation of serial numbers with patent dates which appear on certain York instruments. Six separate yearly production rates are plotted, and it is expected that the year of manufacture can be estimated from these production curves. For example, an instrument with the serial number 28,000 could have been made between the years 1904 and 1910, depending on the actual rate of production. The yearly production rate of 2750 instruments comes the closest to meeting all the criteria used to establish this table, but variations in yearly production are not known, so the range of dates is probably more accurate.

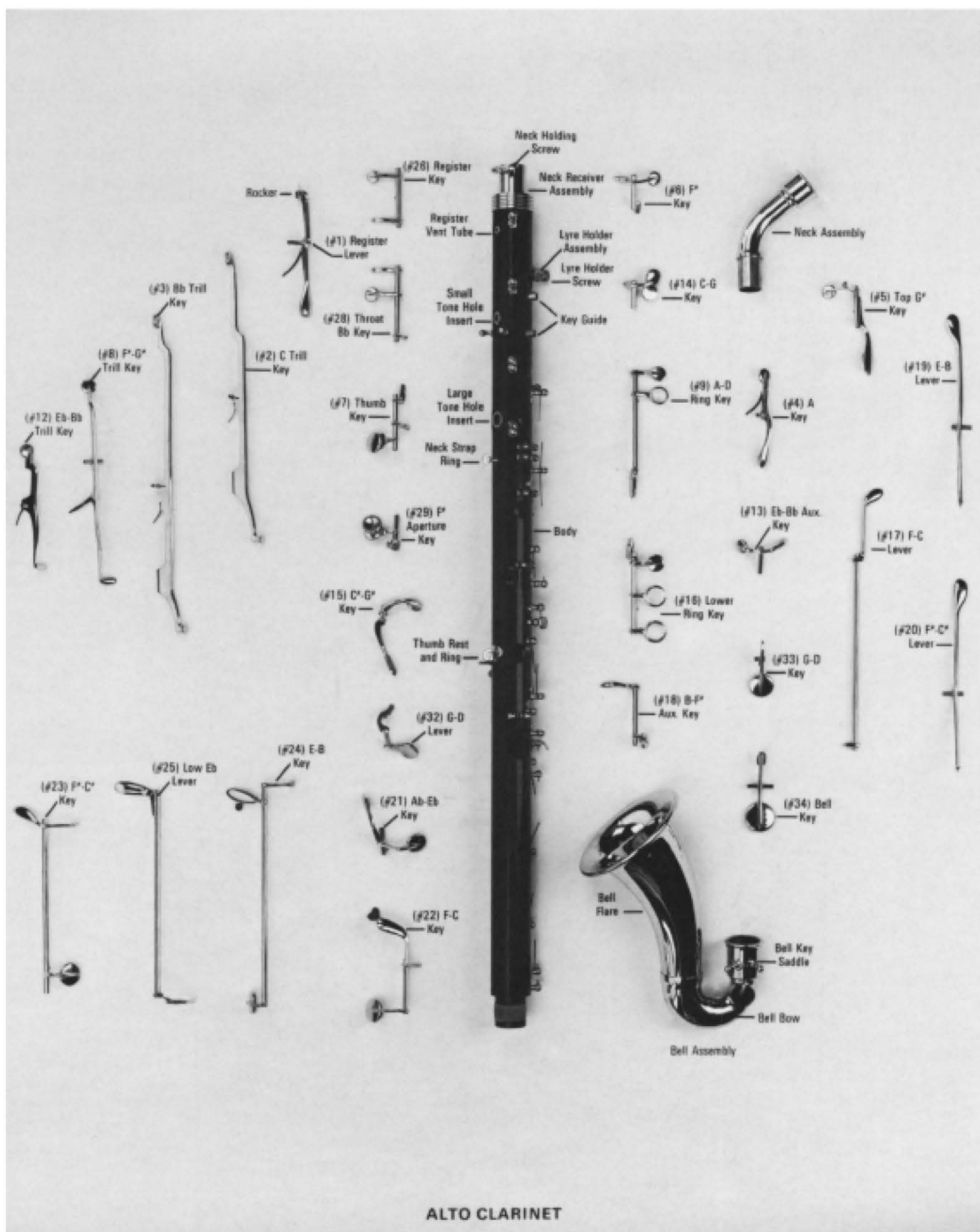
YORK BAND INSTRUMENTS

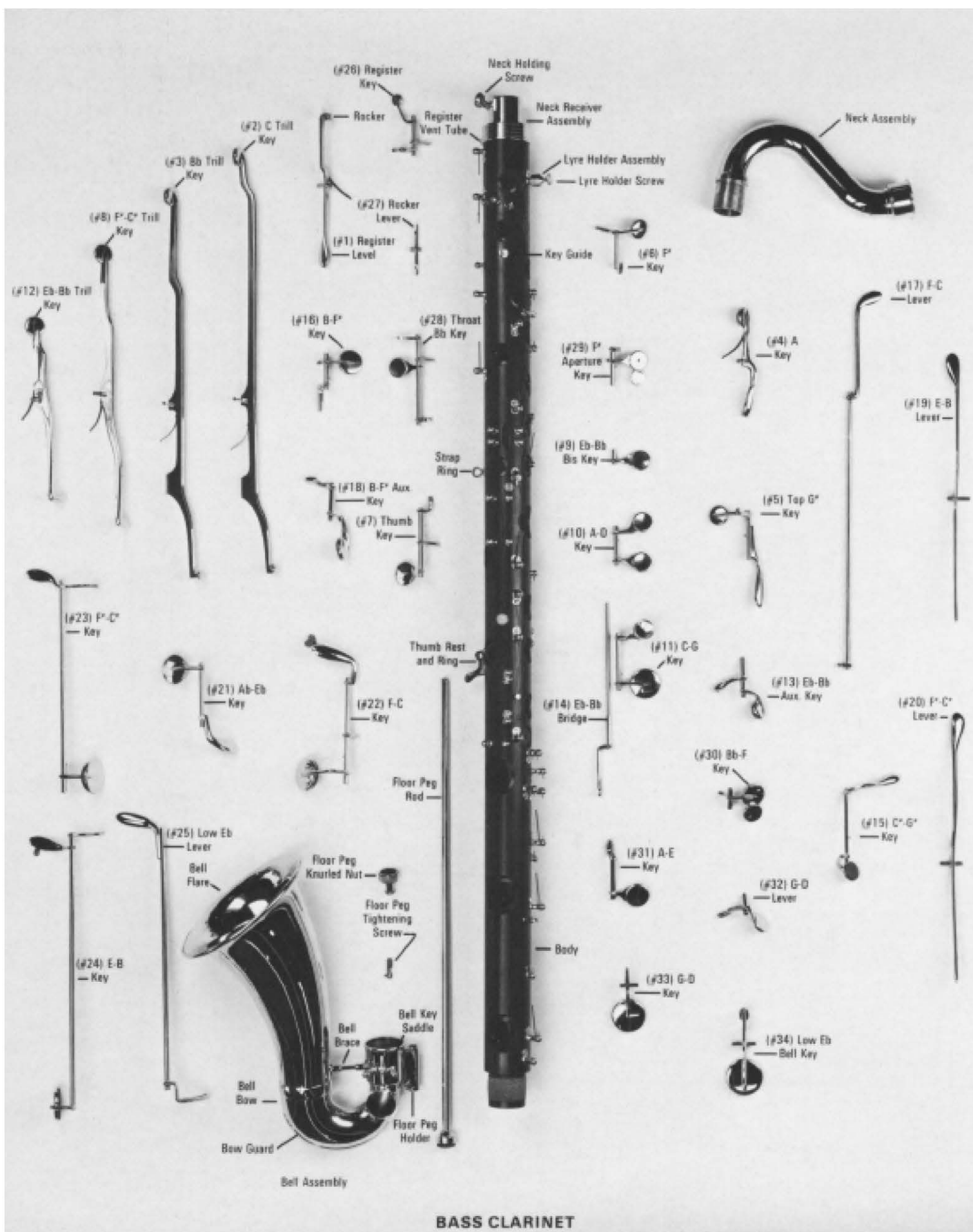
Year	2500 Instruments a Year	2700 Instruments a Year	2750 Instruments a Year	2800 Instruments a Year	2900 Instruments a Year	3000 Instruments a Year
1897	9,500	1,300	-----	-----	-----	-----
1898	12,500	4,000	2,000	-----	-----	-----
1899	14,500	6,700	4,750	2,800	-----	-----
1900	17,000	9,400	7,500	5,600	1,800	-----
1901	19,500	12,100	10,250	8,400	4,700	1,000
1902	22,000	14,800	13,000	11,200	7,600	4,000
1903	24,500	17,500	15,750	14,000	10,500	7,000
1904	27,000	20,200	18,500	16,800	13,400	10,000
1905	29,500	22,900	21,250	19,600	16,300	13,000
1906	32,000	25,600	24,000	22,400	19,200	16,000
1907	34,500	28,300	26,750	25,200	22,100	19,000
1908	37,000	31,000	29,500	28,000	25,000	22,000
1909	39,500	33,700	32,250	30,800	27,900	25,000
1910	42,000	36,400	35,000	33,600	30,800	28,000
1911	44,500	39,100	37,750	36,400	33,700	31,000
1912	47,000	41,800	40,500	39,200	36,600	34,000
1913	49,500	44,500	43,250	42,000	39,500	37,000
1914	52,000	47,200	46,000	44,800	42,400	40,000
1915	54,500	49,900	48,750	47,600	45,300	43,000
1916	57,000	52,600	51,500	50,400	48,200	46,000
1917	59,500	55,300	54,250	53,200	51,100	49,000
1918	62,000	58,000	57,000	56,000	54,000	52,000
1919	64,500	60,700	59,750	58,800	56,900	55,000
1920	67,000	63,400	62,500	61,600	59,800	58,000
1921	69,500	66,100	65,250	64,400	62,700	61,000
1922	72,000	68,800	68,000	67,200	65,600	64,000
1923	74,500	71,500	70,750	70,000	68,500	67,000
1924	77,000	74,200	73,500	72,800	71,400	70,000
1925	79,500	76,900	76,250	75,600	74,300	73,000
1926	82,000	79,600	79,000	78,400	77,200	76,000
1927	84,500	82,300	81,750	81,200	80,100	79,000
1928	87,000	85,000	84,500	84,000	83,000	82,000
1929	89,500	87,700	87,250	86,800	85,900	85,000
1930	92,000	90,400	90,000	89,600	88,800	88,000
1931	94,500	93,100	92,750	92,400	91,700	91,000
1932	97,000	95,800	95,500	95,200	94,600	94,000
1933	99,500	98,500	98,250	98,000	97,500	97,000
1934	102,000	101,200	101,000	100,800	100,400	100,000
1935	104,500	103,900	103,750	103,600	103,300	103,000
1936	107,000	106,600	106,500	106,400	106,200	106,000
1937	109,500	109,300	109,250	109,200	109,100	109,000
1938	112,000	-----	-----	-----	-----	-----



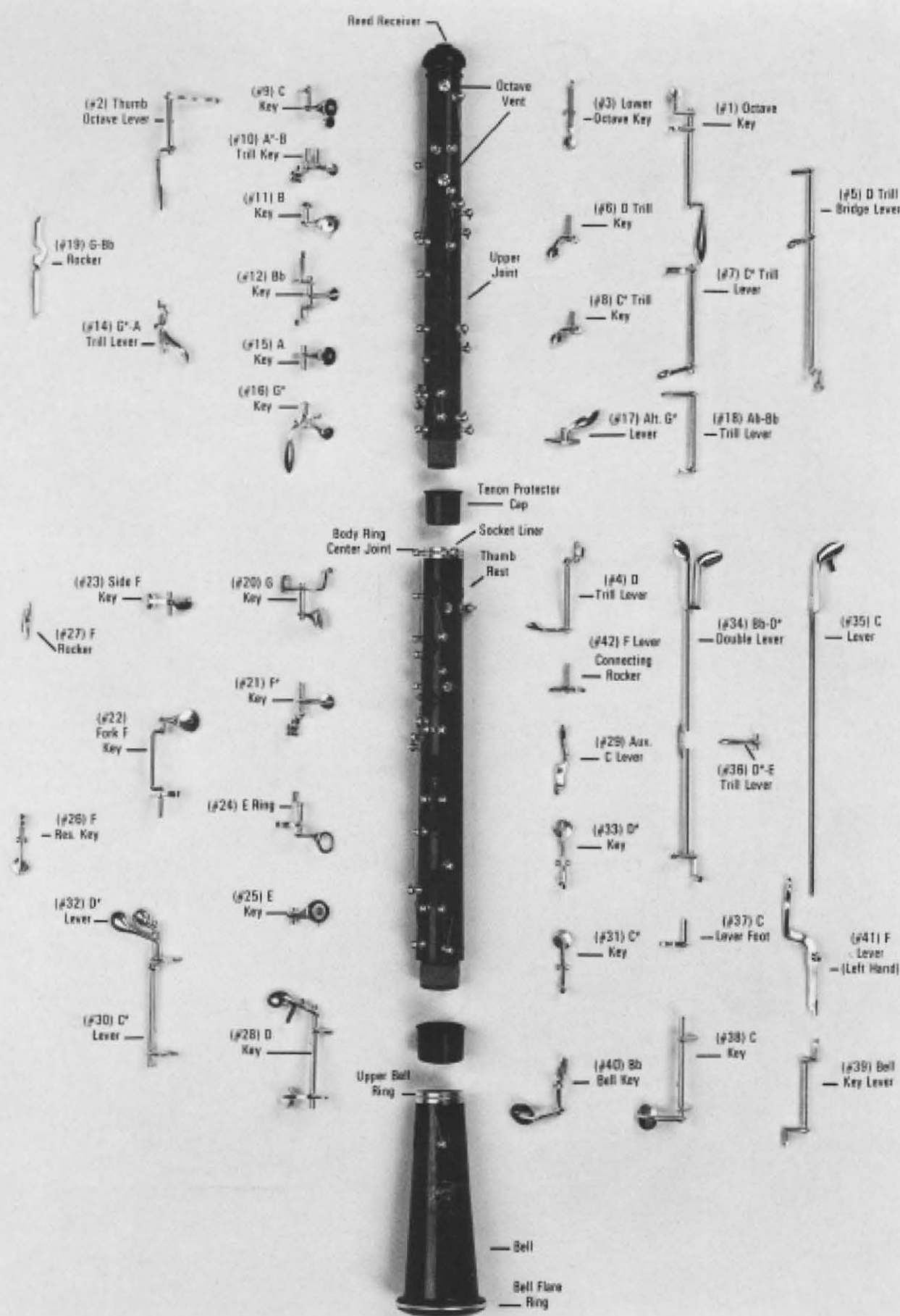
Bb CLARINET





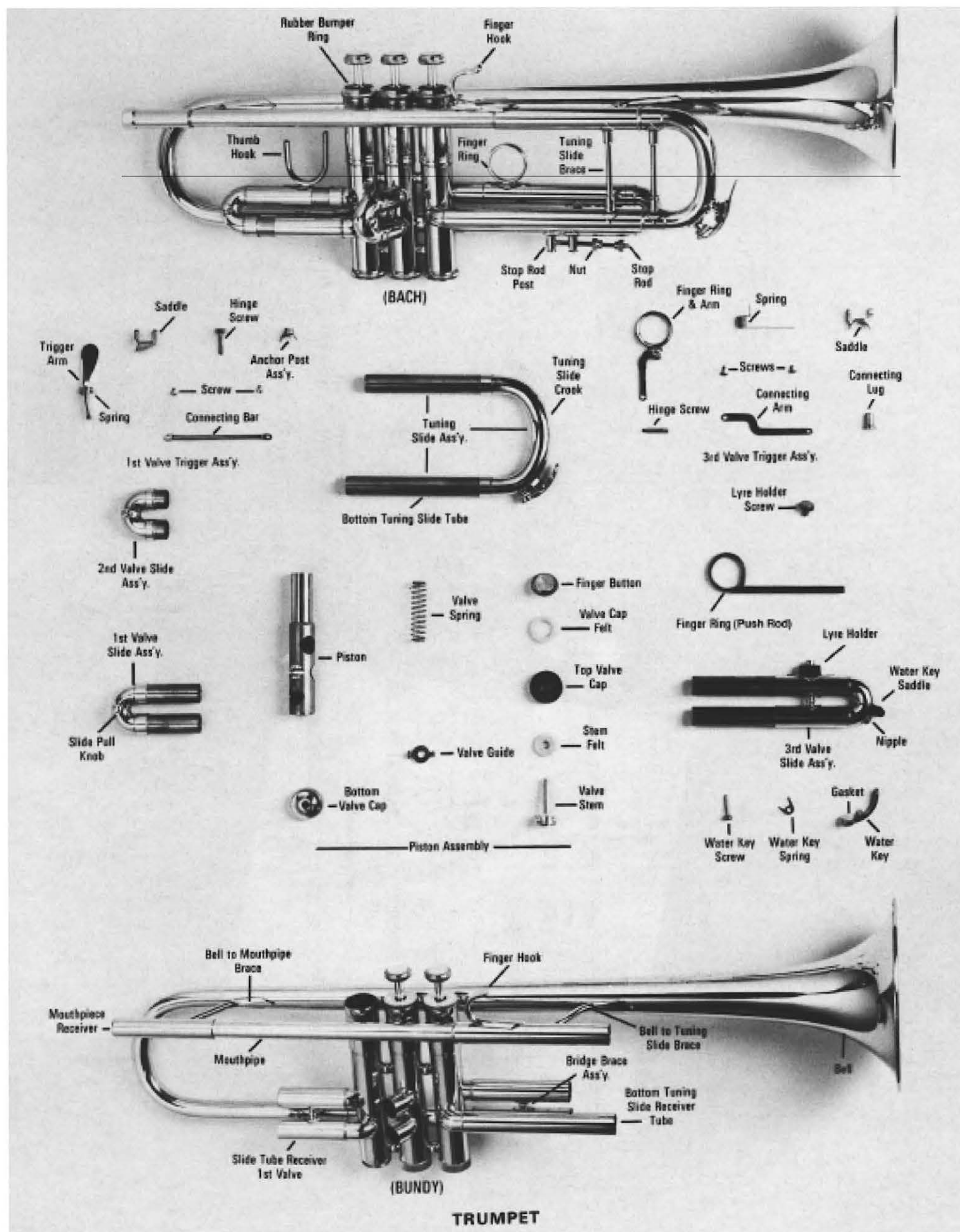


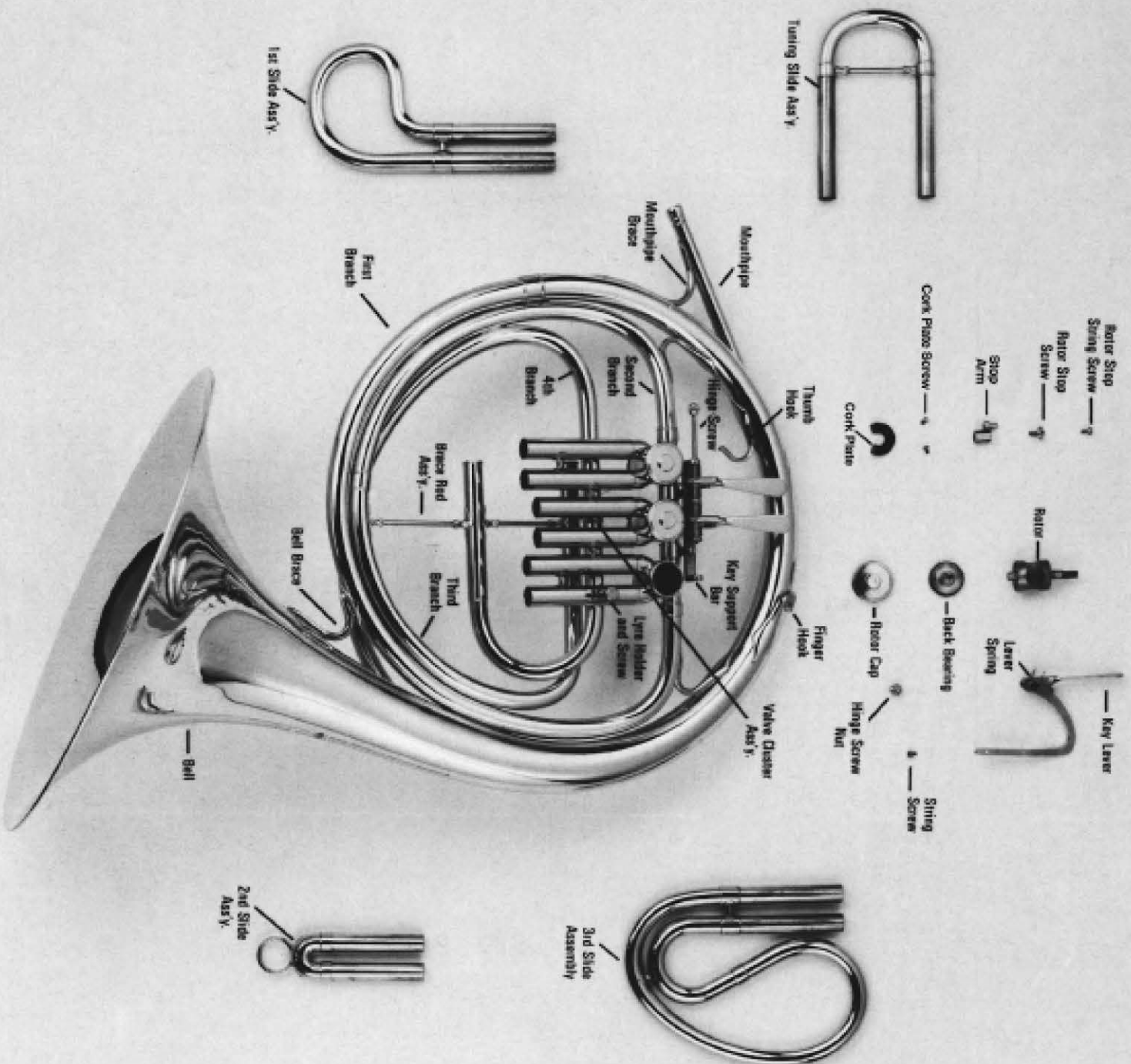
BASS CLARINET



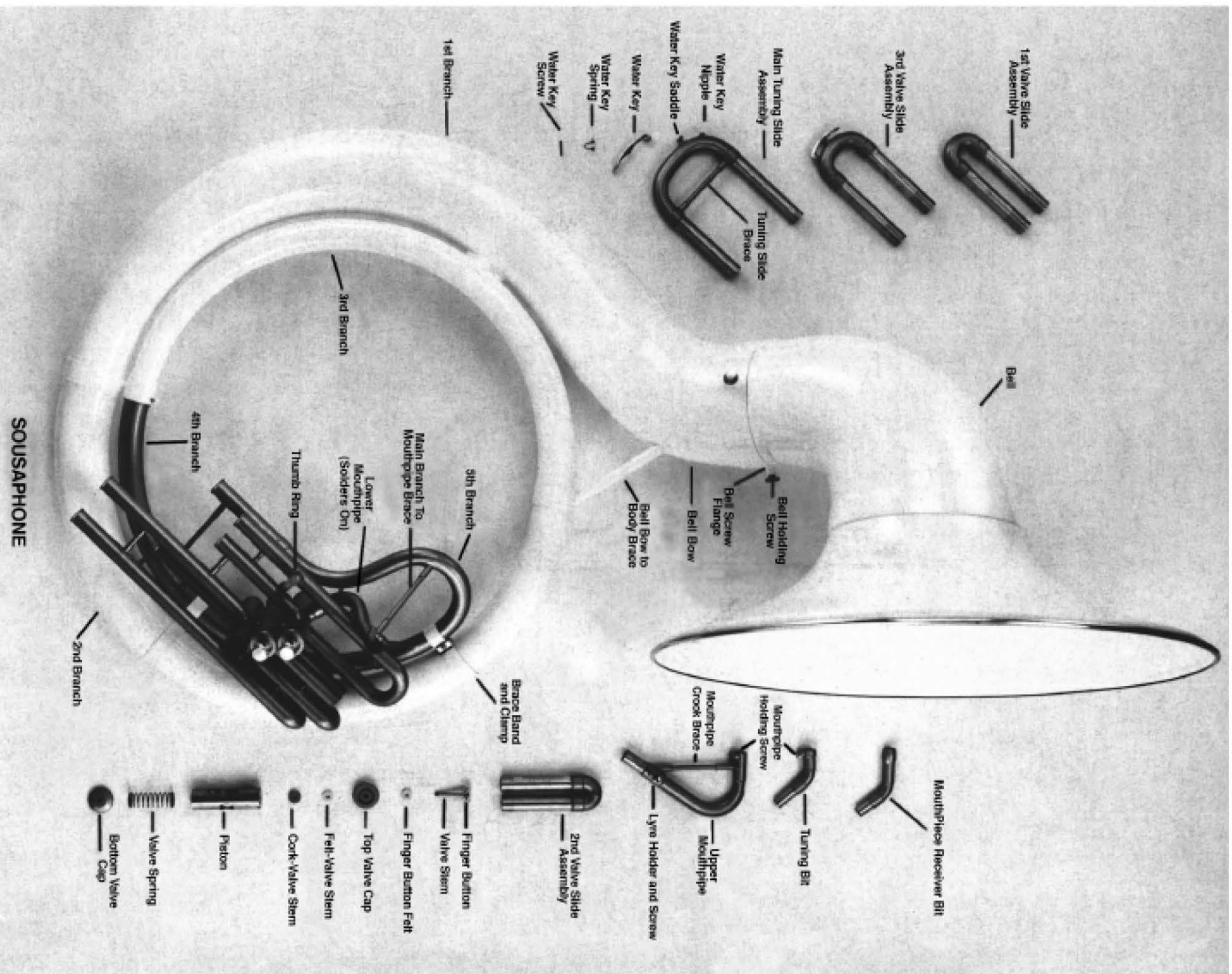
FULL CONSERVATORY OBOE







SINGLE FRENCH HORN



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Removing Dents from Bells

The tools and materials necessary are:

- Heavy Vise – rigidly mounted
- Dent Roller
- Bell Iron
- Tapered Mandrels
- Curved Burnishers
- Straight Burnishers
- Dent Hammers
- Plastic or Rawhide Hammers
- Wax Paper
- Parafin

Removing Bell Flare Dents

Seventy to ninety-nine percent of bell flare dents, depending upon the nature of the dent, can be removed without scratching the lacquer by using a dent roller. Very little physical effort or skill is required. It sounds too good to be true.

Simply clamp the dent roller in a vise and by applying light pressure, first from the inside of the bell flare and then from the outside and etc. until most of the dents are removed.

See Illustrations #1 and #2

A straight roller such as the T1401 is much preferred as opposed to tapered rollers because less pressure is required and the cost is much less.



ILLUSTRATION #1



ILLUSTRATION #2

After removing the largest dents using a dent roller and in extreme instances using a plastic hammer to flatten sharp wrinkles, the flare is burnished.

A highly polished straight burnisher is used to force the metal back into its original smooth contour. The interior of the flare should be lubricated with parafin or heavy oil. Lacquer finish can be protected from scratching by wrapping wax paper around the bell iron and more important around the burnisher.

Most band instrument repair techniques require average physical strength. When 100% of bell flare and bell stem dents are removed, above average hand, wrist and forearm strength is necessary.

The bell or instrument is held in the left hand with the bell flare resting on the bell iron. The straight burnisher is grasped in a fist grip in the right hand. The burnisher is inserted inside the bell flare starting at the bell seam and work out toward the flare rim.



A back and forth rolling motion must be achieved with extreme pressure exerted downward and the burnisher must always be positioned at the bottom of the arc against the bell iron. Coordination is essential and usually difficult to achieve initially. It is like patting your head and rubbing your stomach at the same time. If the timing of the rolling motion and the back and forth burnisher motion are not coordinated, the bell flare will become distorted and the small sharp dent will remain. Practice is required before this operation can be skillfully and effectively performed. Proceed to burnish to the edge of the flare by gradual lowering of the rear of the instrument so the burnished surface extends from the bell flare seam to the bell rim. A pie shaped area should now be free of dents.



Repeat until the entire flare is completed. Sometimes small dents or a sunken area will remain next to the bell rim. Simply raise the metal by applying pressure to a dent hammer against the outside of the flare. Raise the metal level to the surrounding area and then burnish again. This may have to be repeated two or three times before the area next to the bell rim is even.



Next check the bell flare for out-of-round and flat areas by feel. A cotton glove will accentuate any distortion. Further burnishing may be required.



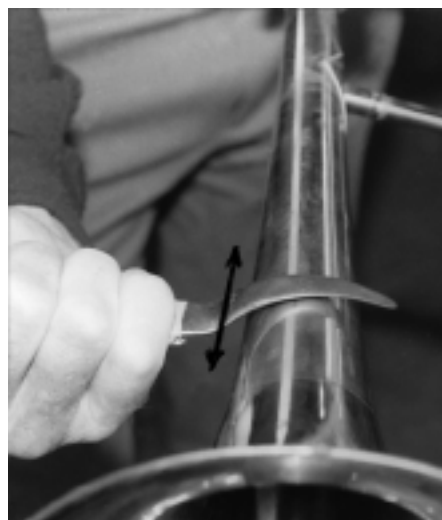
When flat areas in bell flares are experienced, such as when loose case restraints allows trombone slides to repeatedly hammer against the bell, annealing may be necessary. Set the

instrument bell down in 1/8" of water (to prevent running solder out of the bell rim) and apply a small torch to the flat area. First remove the lacquer then heat until the brass turns a dark blue, not cherry red. Allow to cool and reburnish. Of course, relacquering will be required.

Removing Bell Stem Dents

The largest dents are easily removed by raising them up by drawing the bell stem over the end of a tapered rod or by rolling the bell over the length of the same rod. Care must be taken to push up only the dent, not the area around the dent.

The small dents are removed using a curved burnisher and pressure. First, withdraw the bell approximately 1/2" from extreme insertion of the rod. The bell stem must be allowed to float under the pressure of the burnisher. Grasp the burnisher in a fist like fashion and apply pressure by either pushing or pulling downward. Rub back and forth in an area two to three inches long. Gradually revolve the bell.



When burnishing out dents, it is absolutely essential that the burnisher forces the brass against the mandrel. It is impossible to remove dents by burnishing unless the brass is forced between two metal surfaces. It does not work to have a metal burnisher on one side of the dent and thin air on the other.

Spraying

Imagine the instrument is a box. It has four sides and two ends. Spray one side and turn 90 degrees each time. Spray up and down, not across. The gun must be in motion before the trigger is pulled and continue the movement of the gun past the bottom of the "box". Never stop. Don't worry about covering in the recesses because the normal over-spray will do the job (not true on basses). The entire instrument MUST get "wet" before the first area sprayed starts to dry because the over-spray will cause "sugar" or a dull finish. A dull finish is also the result of too little material being applied. There is an extremely fine line between applying too little and too much material. The proper amount of material is used when the entire instrument is brilliant (wet) and there are no runs and sags. If the instrument is wet enough, the material will start to run or sag if the instrument remains in one position. This is a good test to determine if enough material has been applied. Should a run occur, it can be "run-out" by turning the instrument opposite the direction of the run.

Most everyone learning to lacquer has a problem with dull areas caused by over-spray. In the beginning they are simply too slow. The first area sprayed starts to dry. To help you thru your first instruments use two spray guns. One for general spraying and the other to "touch-up". The touch-up gun is used with material reduced to 90% thinner and 10% lacquer. Adjust the nozzle to a very fine mist. Spray the affected area immediately. It will restore the brilliance by "melting in". This works so well that technicians must be careful they do not depend upon the touch-up gun and constantly use it as a crutch. In any event, the cost of this extra gun will pay for itself many times.

Of course only one coat should be applied. This is all that is necessary. Anyone applying more than one coat is either not applying the first coat properly or is convinced that two or more coats will last longer which is not true. Another reason only one coat should be applied, is why double or triple your chances of turning out a defective job?

Anyone can contact us if they have any questions or specific problems. We will gladly assist.

REPAIR TIPS



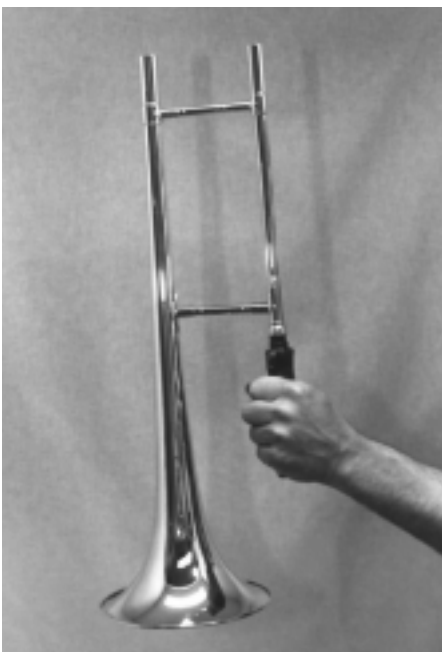
Cornets and trumpets should be held by the receiver. An old mouthpiece soldered to a brass rod makes a good holder.



French horns can be held with a slightly tapered dowel pin inserted in a tuning slide tube.



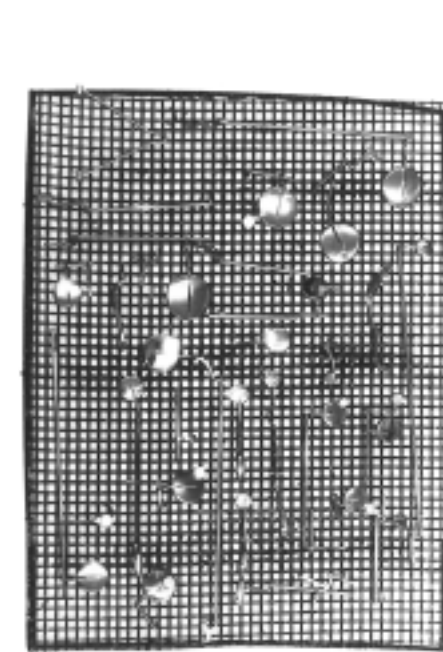
A one inch pipe attached to a flange located in the lacquer booth floor serves as a rigid base for the wooden holder. The pipe is easily removed when not in use.



Trombones are held with a tapered dowel pin.



Saxophones are held with a simple brass rod. The upper end is hooked on a swivel attached to the booth ceiling.



Saxophone keys are lacquered when they are laid out on 1/2" hardware cloth also using the floor mounted pipe.

Clarinet Repadding

INSPECT CLARINET. Look the clarinet over completely, checking for cracked or shipped tenons, broken raised tone holes and cracks and loose rings on wood clarinets. Many times a loose ring on the lower section will cause a crack in the female receiver going right through the lower bridge tone hole.

Check with the customer how they like their rings set up over the raised tone holes. Every player has different size fingers and what might feel comfortable to one is awkward to another. Also ask their preference on spring tension. Each player is an individual and so should be their instrument. It is important that just enough tension is used on the closed keys so they will not blow open during playing.

TEARDOWN. As you remove each key, check for end play and lost motion in the key mechanism. By using your swedging pliers and counterbores you will eliminate the sloppy fitting keys and have a much tighter horn. The new adjustable swedging tool that is on the market is nice, but quite expensive. Buy yourself a tap holder that has a round receiver to hold round taps. It is adjustable for different size taps which happens to be the same size as the hinge tubing. It works quite well on all horns but be sure to use grease to prevent leaving any scratches. Remove key corks, tenon corks and pads. Note the pad thickness for later floating in of your new pads. Clean rods of any dirt or rust. Check each tone hole for any chips or dents in the seat. Again there are good but expensive tools on the market for resurfacing tone holes. Buy a set of rubber test tubes corks at your hobby shop. Glue some fine sand paper to the ends and trim. Using a twisting motion you can resurface the tone holes nicely.

CLEANING. Whatever method of cleaning you use do a thorough job. Many times a customer is more impressed how nice it looks rather than the actual playing of the instrument. If you scrub down a wood clarinet with soap and water make sure you oil the bore well to prevent any future cracking.

SETUP. Tighten any loose rings especially before you install your new tenon corks. You could crack the lower section when fitting the new tight cork. Check for loose vent or thumb tubes, glue if necessary. Also make sure there are no loose posts. By using a 1) shim, 2) epoxy, 3) super glue, or 4) setscrew, it should solve your problem.

CORKING. Lay out all your keys and cork them at this time. The recommended cork thickness for each key is covered in #7 assembly. There are so many different models it is important to note when removing the old corks as to the size. Also install tenon corks at this time, using 1/16" cork.

PADDING. Select the correct size pad for each key. The pad should not be loose in the pad cup but not too large that it hangs over the pad cup. We like using a French cream cement and float the pads in. Many players today are asking for cork pads. Their primary use is on the Aux Eb-Bb, C#-G#, Eb-Bb and F# trill to eliminate water build up on the pads and that gurgly sound. Since the cork is harder than the skin pad and produces a bright clean sound it can also be used on keys that

have a stuffy problem where extra venting does not help, especially on the register key.

ASSEMBLY. I like to install one key on the upper section, heat and adjust pad for proper seating and then lightly clamp for a good seat. Then go to the lower section and do the same. By going from one section to the other you will eliminate any lost time waiting for each key to cool. Then when you go back to the upper section, remove clamp, check for pad seating and adjust key height. It is difficult to recommend standard key heights for clarinets. The different models vary so much that each instrument really has to be looked at individually. The recommended key heights can only be used as a guideline.

UPPER SECTION. Aux Eb-Bb Key. Apply 1/16" cork under foot, opening key to 1/16". **Curved C#-G#.** Apply 1/16" cork under key spatula opening key to 3/32". This key seems to always play stuffy, extra venting will help. **F# Ring Key.** Apply 1/64" cork under foot, key height will be determined later by the thumb ring key. **A-D Ring Key.** Apply 1/64" cork under bridge lever and 1/32" under foot of bridge lever. The cork under foot will help raise the key helping prevent the two bridge keys from hooking and bending. The height of the key will be adjusted by the lower bridge key. Adjust both the F# and A-D rings slightly above flush with the tops of the raised tone holes. **A Key.** Apply 1/32" to 1/4" cork. If the key casting is built up on the key or a stop post on the body, you need only a 1/32" cork, opening key to 1/16". Start with this height but on most models after testing the clarinet, you will find more venting necessary for a clear sound. By starting with a more closed setting it is easier to sand off little cork and make you adjustments. **G# Key.** Apply 1/32" to 1/4" cork. After pad is seated adjust screw so there is only a slight amount of play between the A and G# keys. The G# key spatula should be parallel with the body and when the A key is pressed the G# key should travel the same distance. If the G# key stops the A key from opening to the correct height, sand cork from the G# key. If the G# key has travel in it after the A key is pressed, a thicker cork will be needed on the G# key. **C & Bb Trills.** Apply 1/16" cork under foot, opening keys to 1/16". Make sure keys are running parallel to each other, the key spatulas are level to the body and in the same plane. **F# Trill.** Apply 1/16" cork under foot opening key to 1/16". The spatula should be step down from the C & Bb trills so it is comfortable to roll from one trill to the other. **Eb-Bb Trill.** Apply 3/16" cork under foot. Adjust spatula in the same plane level with the F# trill. Key height will be adjusted in final assembly. **Thumb Ring Key.** Apply 1/32" cork under foot. In the open position the cork on the thumb key should be adjusted to open the F# ring key slightly above the plane of the body. When the ring key is closed sealing the F# key, the thumb ring key should be flush with the raised tone hole. **Register Key.** Apply 1/16" cork under foot opening key to 1/16". Adjust spatula so it is comfortable to roll off the ring key to the register key. Then adjust cork for proper height. The key height of 1/16" might be a little low on some models so test later and sand off cork accordingly. Also a cork pad will help in this area.

LOWER SECTION. F-F#. Apply 1/16" cork under foot opening key to 5/64". **Lower Bridge Key.** Apply 1/16" cork under foot opening key to 5/64". After seating of the pad, adjust all three rings so they are in the center of and slightly above the raised tone holes. A small L-shaped tool made from a piece of drill rod

works well for bending the rings. Slip it between the body and back of ring and bend as necessary. It is dangerous to slip a pad slick between the rings and the top of the tone holes. You might chip a tone hole. Also go back and check the B-F# key lever so that it is not touching the hinge tubing of the bridge key and being held open. **F-C Lever.** Apply 1/16" cork under foot. At this point there are two basic different models of clarinets. One with pins on the F#-C# and E-B levers and one without.

WITH PINS. F#-C# Key. No cork, adjust height later. **E-B Key.** 1/32" cork under foot adjusting key height to 3/32". **F-C Key.** Apply 1/64" cork under back key foot and on top of crows foot. After the pad is seated make sure the crows foot is parallel with body. Now adjust the E-B key. If it is necessary to bend the E-B key spatula make sure you did not throw off your key height. The crows foot and the E-B spatula should not be touching with each other no lost motion. If there is, check the F#-C# spatula. If it is holding the crows foot down, bend the spatula up so there is no lost motion between the F#-C#, E-B and the crows foot. Next check the back foot of the F-C key. There should be no play between it and F-C lever. Add cork on F-C lever as needed. The opposite would be if the cork on the F-C lever is too thick causing play between both the F#-C#, E-B keys and the crows foot. Sand cork as needed. **Ab-Eb.** Apply cork 1/32" under spatula. Adjust spatula so it is in the same plane of the F-C spatula. Then adjust key cork to open key to 3/32". On some models you may need a thicker cork. **E-B and F#-C# Levers.** No cork. Install a small circle of gold beater skin on the pins of levers. If necessary several pieces are needed to take up the play between the pin and hole. Make sure not too much is used causing it to bend. A little cork grease on the skin will help it work smoother.

WITHOUT PINS. F#-C# Key. Apply 1/64" cork under foot, key height adjusted later. **E-B Key.** Apply 1/64" cork under foot, again key height adjusted later. **F-C Key.** Apply 1/64" cork under back key foot and on top of crows foot. After the pad is seated make sure the crows foot is parallel with body. Now adjust the F-C and E-B keys to close together by either bending the crows foot or the E-B spatula up or down. By bending the spatula of the F#-C# key up or down the height of the F-C key can be set to 3/32". Now check the back foot of the F-C key. There should be no play between it and the F-C lever. If the cork is too thick causing the F-C to not vent properly sand work so the height can be adjusted with the F#-C# spatula. If there is play add cork to the F-C lever foot. **Ab-Eb Key.** Apply 1/32" cork under spatula. Adjust spatula so it is in the same plane as the F-C spatula. Then adjust key cork to open key to 3/32". **E-B Lever.** Apply 1/16" cork under foot. Adjust cork so that it holds the E-B key creating no play between the E-B spatula and the F-C crows foot. If the cork is too thick on the lever it will cause play between the F#-C# and crows foot; and play between the F-C key and the F-C lever. Now that there is no play between the key, the E-B key should be at the correct height. **F#-C# Lever.** Apply 1/16" cork under foot. Adjust cork so there is just a small amount of play between the F#-C# key foot and the lever. You want to make sure the lever does not hold the key open causing a leak.

Now that both sections have been completely assembled, adjust the upper and lower bridge keys to close together by bending the upper bridge arm. Do not bend the lower bridge key

REPAIR TIPS

because it will throw off your key height adjustment. Finally check the key height of the E-Bb trill. Start with an opening of 1/16". It may need extra venting later when you test the clarinet. Make your adjustment by sanding the key cork, not bending the key because you want the F# and Eb-Bb trills to be level. Now that everything is adjusted, we like to reseat all the pads by wetting the pads, clamping lightly, and leave sit overnight. Make sure no excess water gets onto key mechanism causing rust. The water and clamping tighten up the skin and makes a much better pad seat. The next day, unclamp and check your adjustments. The final test will be in the playing. Make sure you test your alternate fingerings for proper venting and intonation.

CLEAN UP. Use Yellow Compound, part #A8099, on a chamois wheel to polish nickel plated keys. It makes the nickel really shine and does not leave any dirt.

Repadding Saxophones

1. INSPECT SAX. Carefully examine the body of the sax to determine whether it is bent. Be sure to check the area between the F and F# tone holes where the brace is soldered. Frequently the brace is pushed into the body causing the F and F# tone holes to buckle. Also check all other posts for possible dented in condition. Check with the customer for what type of pads they prefer, single rivet, metal, or plastic resonator, etc. and the spring tension they desire, light or heavy. Whichever they prefer, make sure enough tension is used on the closed keys so they will not blow open.

2. TEAR DOWN. As each key is removed check for end play and lost motion in the key mechanisms. By using swedging tools and counterbores eliminate any sloppy fitting keys. Also check the post alignment on the long rods. Looking down the stack, the posts should be in a straight line allowing the rod to slide through all of the posts with ease. Some side to side motion can be eliminated by bending the posts as necessary but not to throw off their alignment as a whole. Remove all pads and key corks. Clean rods of any dirt or rust. When all the keys have been disassembled check each tone hole to make sure it is flat and smooth. If the tone hole is wavy push up the low spots with a dent ball on the end of a rod so the tone hole is flat. If the tone hole is not dented in but still wavy it will be necessary to file the tone hole flat. CAUTION: When filing tone holes do only what is necessary. **Do not over file.**

3. CLEANING. Start the cleaning process by scrubbing the instrument inside and out with soap and warm water. Then dip in a good lime and scaler cleaner such as Slime-a-way, part #A877 to remove the hard deposits that can't be removed with soap and water. Follow the directions closely for any cleaner such as this. After dipping, rinse the horn again, dry off, and you are ready to move on to the next steps.

4. CORKING. Lay out all your keys and cork them at this time. The recommended cork thickness and placement for each key is covered in assembly. There are so many different models it is important to note when removing the old corks as to the size and placement.

5. PADDING. Select the correct pad size for each key. The pad should be snug in the pad cup. If too small it will shift around. Too big and the pad will buckle making it impossible to seat. We use flake shellac mixed with alcohol for gluing in the pads. Glue each pad into the pad cup just before installing the key onto the horn. To insure the pad is sitting properly in the pad cup use a pad slick between the pad and tone hole. Press slightly down on the key and move the slick around to pat the pad into the cup. This will help level the pad and make it easier to seat. As you install each pad on the instrument have your leak light in the instrument so that you can see the high and low spots of the pad in relationship to the tone hole. By bending the pad cups you can eliminate most leaks. In some extreme cases it might be necessary to install a shim. If you find that the pads are consistently open in the front or back you may be using pads that are either too thick or too thin.

6. ASSEMBLY. Right Hand Stack D, E, F, F# and G# Keys. Apply cork 1/16" on bottom of the feet of the D, E, and F keys. 1/64" cork on the back bar of the F# key where the feet of the D, E, and F keys make contact. Use 1/32" cork on the F# adjusting arm or on the ends of the adjusting screws. Use 1/64" cork on the foot of the G# key where the G# lever slides on the G# key. On some models the G# lever comes over the top of the G# key and the cork is then installed on the lever. Install all keys and adjust each key so it is closing independent of each other. If the G# or F# keys are getting in the way of your pad adjustment and seating, slightly bend the bars out of the way to make it easier to adjust each pad. Now that each key is covering properly adjust the D key to open to a height of 1/4" A (Alto Sax) 5/16" T (Tenor Sax) by bending the foot or adjust the foot cork accordingly. Next adjust the F# and D keys to close together by bending the back bar of the F# key up or down. Do not bend the foot of the D key to make this adjustment because it will throw off the height adjustment that already is set. Next you want the E and F# keys and the F and F# keys to close together. Do not bend the bar of the F# key to make these adjustments because it already has been adjusted with the D key and will throw off that adjustment. The feet of the E and F keys will have to be bent up or down so that they each will close the F# key. The adjustment arm or the screws of the F# key should be adjusted next to close the G# and F# keys together. Now that everything is adjusted together take out the lost motion. The D key is set up for the correct key height. If there is lost motion between the D and F# keys one or both of the E or F keys is holding the F# key slightly closed. Sand a small amount of cork off the foot of the E or F keys. If the E or F keys have lost motion before moving the F# key it will be necessary to install a thicker foot cork. Ideally the D, E, and F keys close the F# and G# keys with no lost motion.

Side Bb and C Levers. Apply 1/16" cork under the feet of both keys. It is easier to install the levers now and keys later so the pad cups will be out of the way when adjusting the upper stack.

High E Key. Apply cork 1/16" under foot opening key to 3/16" (A) and (T). On some models it is necessary to install this key before installing the upper stack because it lays under the upper stack key assembly.

Left Hand Upper Stack. Lower octave. D, High F lever, B, Bb, A, and G keys. Apply 1/64" cork under C key bar where the B

and A keys make contact. 1/16" under feet of F lever and A key, 1/32" under G key foot where it makes contact on the top of the lower octave key. Install two felt discs on the A and high F lever keys. Install all the keys of the upper stack and adjust each key so it is closing independent of each other. If the C key bar is in the way slightly bend the bar up so the B, Bb and A keys will close. Now that each key is covered properly adjust the Bb to close with the F# and F keys by bending the lower area of the Bb key or on more deluxe models turn the adjustment screws of the F# key arm. Next adjust the Bb and A keys to close together by bending the A key arm, with the pearl and felt disc on it, up or down to close both keys together. Make sure you bend the pearl arm level so it touches the top of the Bb key even and not off to one side. Now adjust the C key with the Bb and A keys by bending the back bar of the C key to close all three together. The foot of the B key is now bent up or down to meet the C key bar and to close both together. The upper stack is now adjusted except for lost motion and key height. The Bb key is adjusted to the lower stack which already has been set up to the correct height through the D key. Now press the B key to close the C key, then check for lost motion between the Bb and A keys. If there is lost motion, a thicker cork is needed on the A key foot. If no check for lost motion between the Bb lower arm and the F# adjusting arm. If lost motion is found there sand the A key foot cork to bring the Bb key up to contact the F# adjusting arm. Now back to the B key. It should start moving the C key at the same time the A and Bb keys do. If there is lost motion a thicker cork is needed on the high F lever. If the B key is too low causing lost motion between the C and Bb-A keys sand the foot cork of the high F lever. The last key height of the upper stack is the G key. With the keys open, look down the upper stack at the pad cups. The G key should be in the same plane as the rest of the upper stack. If necessary, bend the G key arm where it makes contact with the lower octave key, up or down.

High F Rocker. Apply 1/64" cork on top of key where it slides on the high F lever of the upper stack. The cork can be applied to either key.

Palm Keys High F, D#, D Keys. Apply 1/16" cork under each foot and 1/64" under the high F key where the F rocker makes contact. Key openings are about 3/16" (A) and (T). Next adjust the high F rocker. When pressing the high F lever it should start moving the high F key at the same time it moves the C and B keys. Bend the high F rocker arm to eliminate any lost motion. The opposite would be if the rocker arm is too high causing the F key to stay open.

Side C and Bb Keys. Apply 1/64" cork under key arm where it contacts the levers. Adjust cork on levers to open keys to 3/16" (A) and (T). Later when you test the sax check the alternate fingerings, it may need additional venting.

Side F# Key. Apply 1/16" cork under foot opening key to 3/16" (A) and (T).

Low D# and C Keys. Apply 1/4" cork on D# key where it contacts the stop post or on some models a felt bumper on the top of the key or inside of key guard. A felt bumper is also installed on the C key. Both keys should be open the same 1/4" (A) 5/16" (T). Make sure the spatulas are parallel to each other and in the same plane to make it easy to roll from key to key.

G# Lever. Apply cork 1/16" under the foot.

Low C# Key. Apply 1/4" cork on arm connecting hinge tubing to pad cup, and 1/64" under spatula where it makes contact with the G# lever.

Lower B Key. Apply 1/64" cork under the spatula and a felt bumper on top of the key or inside the key guard.

Low Bb Key. Apply 1/16" cork under spatula where it contacts the B key. Apply a felt bumper on top of low Bb key or inside the key guard. After making sure the C#, B, and Bb keys are closing properly, adjust the B and Bb keys to close together. Sand the key adjusting cork on the bottom of the Bb key or bend the levers to make the adjustment. Make sure the two spatulas are level to each other. Next adjust the bumper on the Bb key to open the key to 1/4" (A) 5/16" (T). The B key bumper is then adjusted so there is no lost motion between the B and Bb keys. Next adjust the G# lever spatula so it just touches the B key. If the G# lever is up too high the B key will hold it down, causing the G# key to leak. Now adjust the C# spatula so it again just touches the G# lever. All four keys, C#, B, Bb, and G# lever should be in the same plane to make it easy to roll from one key to the next. Adjust the foot cork on the G# lever so it opens the G# key just enough to bring it up to touch the F# adjusting arm and to allow the B and Bb keys to close. The C# cork can also be adjusted to open the key to 1/4" (A) 5/16" (T). On some models there is no key height adjusting cork on the C# and the height is set by the G# lever.

Octave System. Apply cork 1/4" on bottom of thumb register lever, 1/32" on bottom of floating lever and 1/64" cork or plastic tubing on end of lever where it contacts the upper octave key. Install upper octave key and seat pad and install lower octave assembly. Make sure the register lever is set up for easy rolling from thumb rest to key. Now with the neck in proper playing position press the register lever. It should start moving the upper octave key at the same time. If there is lost motion add a thicker cork to the bottom of the floating lever or bend the lever or upper octave keys. If these levers touch each other too soon it will hold the upper octave key open. Next press the G key, then the lever should stop moving at the same time the lower octave key raises and hits the arm of the G key. If the cork on the register (thumb) lever is too thick the lower octave key will not vent properly. If too thin it will open the lower and upper octave keys at the same time. Now that everything is adjusted seat all the pads at the same time in a pad oven. Wedge all the keys down, being careful not to use too much pressure which will damage the key corks. Seat pads at 150° for about 20 minutes. Let cool completely before removing wedges. This will give each key a nice even crease and will help tighten any loose skins on the pads. Check over again for any minor adjustments that are needed due to the seating of the pads. The final test is in the playing. Make sure you test the alternate fingerings for proper key venting and tuning. A little lacquer polish or glass cleaner will help clean up the finger prints left from working on the sax leaving a clean neat job.

Suggested List of Parts & Supplies Needed For A New Shop Set-up

<u>Part #</u>	<u>Qty.</u>	<u>Description</u>	<u>Part #</u>	<u>Qty.</u>	<u>Description</u>
A1008	1 ea	Silver Polish	A511	1 ea.	Assortment of Flat Springs
A1010	1 ea	Wood Wedge - 100/pkg	A800	2 ea.	Buff - 6" x 25 Ply
A1060	1 ea	Cotton Material - 1lb	A804	1 ea.	Buff Rake Complete
A1062	1 ea	Black PVC Coated Glove - 18"	A806	1 ea.	Chamois Buff - 4" x 18 Ply
A1063	1 ea	Cotton Assembly Gloves	A808	1 ea.	Heavy Duty Buffing Glove
A1730	1 ea	3/16" Tube Brush	A809	2 ea.	Buff - 6" x 59 Ply
A1731	1 ea	1/4" Tube Brush	A8099	1 ea.	Yellow Rouge
A1734	1 ea	3/4" Tube Brush	A810	1 ea	Greaseless - Tube
A1736	1 ea	2" Tube Brush	A811	1 ea	Tripoli Compound
A2105-C	1 ea	Aerosol Lacquer - Clear	A813	1 ea	Red Rouge
A2105-G	1 ea	Aerosol Lacquer - Gold	A815	1 ea	Chrome Compound
A7220	1 ea	Valve Lapping Compound	A820	1 ea	Emery Cloth - 1" x 50' - 220 grit
A179	1 ea	French Horn String - Black	A822	1 ea	Razor Blades - Single Edge - bx of 100
A360	1 ea	Waterkey Spring Assortment	A826	1 ea	Penetrating Oil
A361	100ea	Neoprene w/key Cork - 3/8" x 3/16"	A830-20	1 ea	Soft Solder - 50/50, 1/16" dia., 1lb roll
A366	100ea	Natural w/key Cork - 3/8" x 3/16"	A831	1 ea	Solder Flux - Quart
A377	100ea	Composition w/key Cork - 3/8" x 3/16"	A833	1 ea	Wire 16 Gauge - 2lb Spool
A388	1 ea	Valve Spring Assortment	A834	1 ea	Silver Solder - 5 ft
A414	1 ea	Felt Washer Assortment	A835	1 ea	Silver Solder Flux
A427-R	1 ea	Sax Felt Assortment - Red	A836	12 ea	Pad Stik Shellac
A440	12 ea	Lyre Holder Screws - 8 x 32	A838	1 ea	Cork Cement - Pint
A441	12 ea	Lyre Holder Screws - 6 x 32	A839	1 ea	Cork Cement Thinner - Pint
A442	12 ea	Lyre Holder Screws - 6 x 36	A850	1 ea	Epoxy - 2 part
A443	12 ea	Lyre Holder Screws - 6 x 40	A851	1 ea	Black Dye for Epoxy
A444	12 ea	Ligature Screws - 6 x 32	A874	1 ea	Brush Top Can - for contact cement
A445	12 ea	Neck Screws - 8 x 32	A876	1 ea	Slime Away - 12 oz
A450	1 ea	Sheet Cork - 1/64"	A888	1 ea	Shop Apron
A451	1 ea	Sheet Cork - 1/32"	A892	1 ea	Silver Dip - 1 Gallon
A452	3 ea	Sheet Cork - 1/16"	A897	1 ea	Tufoil
A457	3 ea	Sheet Cork - 3/64"	A980	1 ea	Buff - 6" x 33 Ply Loose Sewn
A460	100 ea	Valve Stem Cork Washer 1/16"	A982	1 ea	Black Plastic Compound
A461	100 ea	Valve Stem Cork Washer 3/32"	PN-4-ASST	1 ea	Clarinet Pad Assortment of 100
A462	100 ea	Valve Stem Cork Washer 1/8"	450-ASST	1 ea	Flute Pad Assortment of 100
A470	12 ea	Stick Cork - 3/16" x 1.5"	A531	1 ea	207R Sax Pad Assortment of 500
A471	12 ea	Stick Cork - 1/4" x 1.5"	A540	1 ea	210 Sax Pad Assortment of 500
A472	12 ea	Stick Cork - 5/16" x 1.5"			
A473	12 ea	Stick Cork - 3/8" x 2"			
A474	12 ea	Flute Head Cork			

Suggested Tools Needed For A Basic Shop Set-up

<u>Part #</u>	<u>Qty.</u>	<u>Description</u>	<u>Part #</u>	<u>Qty.</u>	<u>Description</u>	<u>Part #</u>	<u>Qty.</u>	<u>Description</u>
T1001	1 ea.	Sax Bow Rod	T1414	1 ea.	T'Bone Slide Remover	T1684	1 ea.	Slide Removing Pliers
T1004	1 ea.	French Horn Rod	T1419	1 ea.	Round Head Dent Hammer	T1700	1 ea.	.284" Bocal Dent Tool
T1005	1 ea.	French Horn Dent Ball	T1420	1 ea.	Flat Head Dent Hammer	T1701	1 ea.	.304" Bocal Dent Tool
T1006	1 ea.	Baritone Rod	T1423	1 ea.	Small Solder Clamp	T1705	1 ea.	Sax Bow Dent Rod - threaded
T1007	1 ea.	Small Burnisher	T1424	1 ea.	Medium Solder Clamp	T1707	1 ea.	Trombone Cleaning Rod
T1008	1 ea.	Medium Burnisher	T1426	1 ea.	T'Bone Cork Remover - Tenor	T1708	1 ea.	Valve Cleaning Rod
T1009	1 ea.	Large Burnisher	T1430	1 ea.	"L" Dent Rod	T1709	1 ea.	Flute Cleaning Rod
T1010	1 ea.	Straight Burnisher	T1432	1 ea.	"S" Sax Mpipe Rod	T1710	1 ea.	Spring Install Pliers
T1011	1 ea.	Small Knuckle Tool	T1433	1 ea.	Straight Sax Mpipe Rod	T1720	1 ea.	Pad Tucker
T1013	1 ea.	Trpt. & Cor. Mouthpipe Rod	T1434	1 ea.	Hickory Hammer - Size 3	T1724	1 ea.	Spring Hook/Pusher
T1015	1 ea.	5/8" x 3 Ft. Dent Rod - threaded	T1436	1 ea.	Large Delrin Hammer	T1732	1 ea.	Jewelers Saw Frame
T1016	1 ea.	Large Horn Dent Rods	T1437	1 ea.	Trumpet Bell Mandrel	T1735	12 ea.	#4 Jewelers Saw Blades
T1018	1 ea.	Barrel Dent Ball Set	T1438	1 ea.	Cornet Bell Mandrel	T1741	1 ea.	Flute Pad Iron
T1019	1 ea.	Dent Roller - 1.75"	T1439	1 ea.	T'Bone Bell Mandrel - Small	T1754	1 ea.	Flute Grommet Remover
T1035	1 ea.	Mouthpiece Repair Tool	T1440	1 ea.	T'Bone Bell Mandrel - Large	T1767	1 ea.	Flute File - #4
T1040	1 ea.	100 Dent Ball Set	T1441	1 ea.	Buffing Machine	T1768	1 ea.	Bell Mounting Jig
T1043	1 ea.	Roth Dent Tool II			w/ dust collector	T1773	1 ea.	Stuvel Sax Key Adjusting Pliers
T1044	1 ea.	T'Bone Inside Slide Spacer - sm	T1451	1 ea.	Dial Caliper - 0 to 6"	T1774	1 ea.	Flute Key Gauge
T1053	1 ea.	2 Bulb Leak Light - 120V only	T1470	1 ea.	Sm. Screwdriver - 1/16" Tip	T1777	6 ea.	Bench Oiler
T1060	1 ea.	Combination Bell Iron	T1471	1 ea.	Med. Screwdriver - 3/32" Tip	T1781	1 ea.	Sax Screwdriver
T1061	1 ea.	Dent Rod	T1472	1 ea.	Lg. Screwdriver - 1/8" Tip	T1788	1 ea.	U Solder Clip
T1062	1 ea.	Dent Rod	T1510	1 ea.	Alto Neck Expander	T1805	1 ea.	60 Pc. Drill Set - #1 to 60
T1063	1 ea.	Dent Rod	T1511	1 ea.	Tenor Neck Expander	T1819	1 ea.	.249" Bocal Dent Tool
T1064	1 ea.	3/8" Steel Rod	T1602	1 ea.	Rivet Hammer - 2.5 oz.	T2030	1 ea.	Valve Lap
T1065	1 ea.	1/2" Steel Rod	T1604	1 ea.	Rawhide Mallet Small - 1"	T3065	1 ea.	Clarinet Pad Slick
T1066	1 ea.	5/8" Steel Rod	T1605	1 ea.	Rawhide Mallet Large - 1.5"	T3066	1 ea.	Flute Key Leveling Tool
T1068	1 ea.	Bench Motor - 120 volt only	T1611	1 ea.	Steel Rule - 6"	T3150	1 ea.	Flex-Hone - Tenor Trombone
T1072	1 ea.	Mouthpiece Puller	T1612	1 ea.	Flute Pad Cutter	T3151	1 ea.	Flex-Hone - Bass Trombone
T1200	20 ea.	Flute Clamp	T1613	1 ea.	Drill Gauge - #1 to 60	T3152	1 ea.	Flex-Hone - Trpt/Cor valve sect.
T1202	6 ea.	Double Sax Clamp	T1614	1 ea.	Auto Center Punch	T4000	1 ea.	French Horn Mouthpipe Rod
T1214	1 ea.	Clarinet Ring Key Adjuster	T1617	1 ea.	Bench Block - Lead	T4001	1 ea.	Trpt. Mouthpipe Rod - Tapered
T1350	1 ea.	12" Wide Dent Roller	T1618	1 ea.	Screw Check'r - N.F./N.C.	T4008	1 ea.	Round Dent Ball Set
T1399	1 ea.	Sm. - 2 Hand Rolling Burnisher	T1630	1 ea.	Revolving Punch	T4018	1 ea.	Piccolo Expander
T1400	1 ea.	Lg. - 2 Hand Rolling Burnisher	T1658	1 ea.	Sax Tone Hole File - Medium	T4019	1 ea.	Piccolo Swedging Die
T1401	1 ea.	Small Dent Roller - 1.25"	T1659	1 ea.	Sax Tone Hole File - Narrow	T4021	1 ea.	Slotted Sax Ball - Alto
T1402	1 ea.	Triangular Scraper	T1660	1 ea.	Sax Tone Hole File - Wide	T4022	1 ea.	Slotted Sax Ball - Tenor
T1404	1 ea.	Frozen Slide Rod	T1666	1 ea.	3" Slot File - #6	T4033	1 ea.	Whole Spring Removal Pliers
T1407	1 ea.	Flute Body Mandrel	T1668	1 ea.	Piccolo File	T4035	1 ea.	Spring Removing Pliers
T1408	1 ea.	Flute Expander	T1672	1 ea.	Flat Nose Pliers - 6"	T4051	1 ea.	V-Block
T1409	1 ea.	Flute Swedging Die	T1675	1 ea.	Diagonal Cut Pliers - 5"	T4110	1 ea.	Mini Hacksaw w/6" Blade
T1410	1 ea.	Bench Block - Steel	T1677	1 ea.	Chain Nose w/Cutter	T5000	1 ea.	16 Drawer Cabinet
T1413	1 ea.	T'Bone Slide Expander - Tenor	T1682	1 ea.	Round Nose Pliers - 6"			

DRILL SIZE DECIMAL EQUIVALENTS

LETTER

Drill Size	Decimal Inches	Drill Size	Decimal Inches
A	.2340	N	.3020
B	.2380	O	.3160
C	.2420	P	.3230
D	.2460	Q	.3320
E	.2500	R	.3390
F	.2570	S	.3480
G	.2610	T	.3580
H	.2660	U	.3680
I	.2720	V	.3770
J	.2770	W	.3860
K	.2811	X	.3970
L	.2900	Y	.4040
M	.2950	Z	.4130

DRILL SIZE DECIMAL EQUIVALENTS

WIRE GAUGE

Drill Size	Decimal Inches	Drill Size	Decimal Inches
#80	.0135	#40	.0980
#79	.0145	#39	.0995
#78	.0160	#38	.1015
#77	.0180	#37	.1040
#76	.0200	#36	.1065
#75	.0210	#35	.1100
#74	.0225	#34	.1110
#73	.0240	#33	.1130
#72	.0250	#32	.1160
#71	.0260	#31	.1200
#70	.0280	#30	.1285
#69	.0292	#29	.1360
#68	.0310	#28	.1405
#67	.0320	#27	.1440
#66	.0330	#26	.1470
#65	.0350	#25	.1495
#64	.0360	#24	.1520
#63	.0370	#23	.1540
#62	.0380	#22	.1570
#61	.0390	#21	.1590
#60	.0400	#20	.1610
#59	.0410	#19	.1660
#58	.0420	#18	.1695
#57	.0430	#17	.1730
#56	.0465	#16	.1770
#55	.0520	#15	.1800
#54	.0550	#14	.1820
#53	.0595	#13	.1850
#52	.0635	#12	.1890
#51	.0670	#11	.1910
#50	.0700	#10	.1935
#49	.0730	# 9	.1960
#48	.0760	# 8	.1990
#47	.0785	# 7	.2010
#46	.0810	# 6	.2040
#45	.0820	# 5	.2055
#44	.0860	# 4	.2090
#43	.0890	# 3	.2130
#42	.0935	# 2	.2210
#41	.0960	# 1	.2280

How to Use a Pad Oven

Jeff Tellock's saxophone repad article in the winter 1983-84 issue of the Allied Report mentioned the use of a pad oven to seat the pads. He did not give detailed information regarding this matter which has raised questions. We will try to answer.

The oven itself can be constructed using galvanized steel by any sheet metal shop. We suggest it be sized large enough to hang a baritone saxophone. The heat source should be an electric heating element placed approximately 3" above the floor of the box. The controls should be of an accurate variety and will probably represent the most expensive part of the oven.

Another method to use is three or four infrared light bulbs as a heat source which would eliminate the control cost but they are not very energy efficient. The oven does not need to be insulated because the maximum temperature will not exceed 200°F. Use a low cost oven thermometer to check the temperature.

If you are doing only small reed instruments, i.e. flute, clarinet, piccolo, etc., a large mailbox with a 100w lightbulb will make a suitable pad oven, and is very inexpensive and quickly put together. A thermostat is not needed.

Saxophone

Wedge the keys down firmly but not enough to compress the key corks to a great degree. If our T1201 saxophone key clamps are used in conjunction with the cork wedges compression of the key corks it will not be a problem and better seating of the pads will result. Twelve clamps are required for the average alto or tenor. Oil the instrument prior to oven baking because the moisture may cause rusting.

Wrap the instrument in a damp towel or cloth sack and place in the oven at 150° to 200°F for 40 to 60 minutes. This is wide range for both temperature and time and can be adjusted to attain the depth of the pad seat you desire.

Allow the instrument to cool completely before removing the wedges and clamps. Then check each pad with the leak light and adjust where necessary which should be minimal.

There are two advantages to using a pad oven; 1) A better job 2) it saves at least 30 minutes per instrument.

Flutes

The same method can be used for flutes if the oven time is reduced to 15 to 25 minutes. The added advantage is that it almost eliminates sticking pads.

Clarinets

We do not recommend baking clarinets because; 1) wood clarinets stain the pads, 2) the danger of damage to composition bodies.

FRACTIONS, DECIMAL, AND METRIC EQUIVALENTS

Fractional	Decimal	Millimetres	Fractional	Decimal	Millimetres
1/64	.0156	.3969	33/64	.5156	13.0969
1/32	.0312	.7938	17/32	.5312	13.4938
3/64	.0469	1.1906	35/64	.5468	13.8906
1/16	.0625	1.5875	9/16	.5625	14.2875
5/64	.0781	1.9844	37/64	.5781	14.6844
3/32	.0938	2.3812	19/32	.5938	15.0812
7/64	.1094	2.7781	39/64	.6094	15.4781
1/8	.1250	3.1750	5/8	.6250	15.8750
9/64	.1406	3.5718	41/64	.6406	16.2718
5/32	.1562	3.9688	21/32	.6562	16.6688
11/64	.1719	4.3656	43/64	.6719	17.0656
3/16	.1875	4.7625	11/16	.6875	17.4625
13/64	.2031	5.1594	45/64	.7031	17.8594
7/32	.2188	5.5562	23/32	.7188	18.2562
15/64	.2344	5.9531	47/64	.7344	18.6531
1/4	.2500	6.3500	3/4	.7500	19.0500
17/64	.2656	6.7469	49/64	.7656	19.4469
9/32	.2812	7.1438	25/32	.7812	19.8437
19/64	.2969	7.5406	51/64	.7969	20.2406
5/16	.3125	7.9375	13/16	.8125	20.6375
21/64	.3281	8.3344	53/64	.8281	21.0344
11/32	.3438	8.7312	27/32	.8438	21.4312
23/64	.3594	9.1281	55/64	.8594	21.8281
3/8	.3750	9.5250	7/8	.8750	22.2250
25/64	.3906	9.9219	57/64	.8906	22.6219
13/32	.4062	10.3188	29/32	.9062	23.0188
27/64	.4219	10.7156	59/64	.9219	23.4156
7/16	.4375	11.1125	15/16	.9375	23.8125
29/64	.4531	11.5094	61/64	.9531	24.2094
15/32	.4687	11.9062	31/32	.9688	24.6062
31/64	.4844	12.3031	63/64	.9844	25.0031
1/2	.5000	12.7000	1	1	25.4000

TO TAP FOR THIS SIZE BODY OR SCREW	DRILL THIS SIZE HOLE			BODY (Die)
	DECIMAL INCHES	DRILL SIZE	NEAREST FRACTION	DRILL SIZE
0-80-NF	.0469"	3/64"	3/64"	53
1-64-NC 1-72-NF	.0595" .0595"	No. 53 No. 53	none 1/16"	49
2-56-NC 2-64-NF	.0700" .0700"	No. 50 No. 50	none none	44
3-48-NC 3-56-NF	.0785" .0820"	No. 47 No. 45	5/64" none	39
4-36-NS 4-40-NC 4-48-NC	.0860" .0890" .0935"	No. 44 No. 43 No. 42	none 3/32" 3/32"	33
3mm-0.60mm	.0984"	2.5mm (#40)	none	
1/8-40-NS 5-40-NC 5-44-NF	.1015" .1015" .1040"	No. 38 No. 38 No. 37	none none none	1/8"
6-32-NC 6-36-NS 6-40-NF 6-48-NS	.1100" .1110" .1130" .1200"	No. 35 No. 34 No. 33 No. 31	7/64" none none none	28
4mm-0.70mm 4mm-0.75mm	.1338" .1338"	3.4mm (#29) 3.4mm (#29)	none none	
8-32-NC 8-36-NF 8-40-NS	.1360" .1360" .1405"	No. 29 No. 29 No. 28	none 9/64" none	19
3/16-24-NS 10-24-NC 3/16-32-NS 10-32-NF	.1470" .1495" .1570" .1590"	No. 26 No. 25 No. 22 No. 21	none 5/32" none 5/32"	11
5mm-0.90mm 5mm-0.80mm	.1653" .1693"	4.2mm (#19) 4.3mm (#18)	none none	
12-24-NC 12-28-NF 12-32-NEF	.1770" .1820" .1850"	No. 16 No. 14 No. 13	11/64" 3/16" none	7/32"
14-20-NS 1/4-20-NC 14-24-NS	.1935" .2010" .2010"	No. 10 No. 7 No. 7	none 13/64" none	2
6mm-1.00mm 1/4-24-NS 1/4-28-NF 1/4-32-NEF	.2047" .2090" .2130" .2188"	5.2mm (#5) No. 4 No. 3 7/32"	none none 7/32" 7/32"	1/4"

NF = National Fine Thread
NC = National Coarse Thread

NS = National Special Thread
NEF = National Extra Fine Thread

When using a die under 1/4 inch, a formula must be used to obtain the correct size to receive a thread. (N x 13) + 60 = .000. That is: "N" is the nominal number from 0 to 12 found on the die. EXAMPLE: To find the diameter of a 2-56 thread, substitute 2 in the formula: (2 x 13) + 60 = 86. The diameter is .086 of an inch. This is the measurement that a part must be reduced to, to receive a full thread.

A die that is over 1/4 inch does not need this formula. The part to receive a thread simply has to be that fractional measurement. The tap measurement still must be obtained from the thread chart.

“Proper Buffing Procedure”

by Craig Anderson

A HODGEPODGE OF INFORMATION YOU MAY ALREADY KNOW, BUT HAVE FORGOTTEN, AND NEED TO BE REMINDED

Do you have a fascination with buffing? Well, I must admit that I do. Whenever I have the opportunity to go on a factory tour, the buffing room always grabs my attention. Before entering this “enclave of animals,” there are the usual warnings of don’t talk to the buffers, don’t get too close to the machines, stay behind the yellow line, etc....

Remember that a buffing room is very noisy! But, for some reason or other, I can always hear an audible sigh of anguish from the tour group, when they enter this room. Is this some sort of diabolical torture chamber? I, on the other hand, want to break the rules, cross over the yellow line, grab whatever the buffer may be working on, and start to buff with real buffing lathes, hooked up to a real dust collector.

I guess I feel a kindred spirit with the people in this room. Yes, I know, I am a highly trained repair technician and I am not supposed to enjoy getting grimy and dirty, but I can’t help myself. After the tours, I will ask members of the group about buffing and I am amazed at the feeling their toes were probably curling up inside their shoes as they tensed up just thinking about encounters they have had with buffing. I also get the impression repair manuals teach you how to repair but they do not teach you how to buff. This article is aimed at giving you some insight into how to become a wiser, and more efficient buffer.

Before starting into the specifics of buffing, we need to cover some definitions so that there is no confusion about what is being talked about. First, we must distinguish polishing vs. buffing.

Polishing is the step between coarse abrasives (i.e. grinding or belt sanding) and prior to very fine abrasives (buffing). It is the step for band instrument refinishing where deep pits, scratches, machining marks, etc., are removed. This is generally done with a 220 grit compound (“Butler finish”) and a sewn muslin wheel.

Buffing is the final steps of metal refinishing. It is at this point that a mirror finish must be obtained. No lines (scratches) should be apparent once this operation is complete. The two compounds used in this operations are tripoli (the “work horse” of refinishing) and rouge (available in many forms depending upon the metal being worked). These compounds are used on various types of sewn and loose muslin and cotton wheels. Buffing is the process of making scratches in the surface of material. These scratches become finer and finer (closer together) with each change of abrasive. As the scratches become finer, the surface becomes more reflective.

SAFETY

“You are working with the most dangerous machine in your shop!” Each of us that have spent time around a buffing lathe knows the term, SAFETY. In the business we are in, our hands are our life. As our parents have told us, “Once they are gone, they are gone for good.” How simple a statement but very true.

Buffing lathes and dust collectors are not the types of machines that will stop if something gets caught in them. The plain and simple truth, is that they won’t stop until someone turns them off. The process of buffing takes the utmost concentration. When I turn on the buffing lathe, I can tell if my concentration is focused on the job ahead, even if it’s a small job such as cleaning up a solder joint on a trumpet brace.

There are times when I have put off a buffing operation until whatever is on my mind is resolved. We can take the extra time, and sometimes must. As far as protective measures one can implement, the following is the most basic:

1) No loose clothing, loose long hair, or jewelry. 2) A dust mask (no one likes to breath buffing compounds or lint). 3) An apron—one that is tight fitting at the chest and waist, but can be easily torn away. (Velcro ties instead of knots, or cut thru most of the ties so they separate easily). 4) Gloves—a lot of heat is generated by the abrasive process. 5) Hearing protection—ear plugs or muffs. 6) Eye protection—goggles or protective glasses. 7) Support for the item you are buffing (i.e. a wood mandrel inside a bell or a slide mandrel inside a trombone slide tube). 8) Common sense—hopefully we all have some!

MACHINES

There are two basic machines needed for buffing:

1) A buffing lathe. 2) a dust collector. I will not go into any long dissertations on these machines, but will just list the different buffing machines from the smallest to the largest: a) Ragging cloth and arm muscle (The “Armstrong” method). b) Dremel® and Foredom® tools. c) Air buffer d) Flex shaft in a bench motor, or drill. e) Bench motor, or any motor with a tapered spindle attached. f) Small self contained buffing unit. g) A 3/4 or 1-1/2 hp self constructed buffing lathe, with a motor and pulley set-up to a

one inch diameter, 25 to 36 inch long arbor, with dual, right and left, tapered spindles. h) Any machine bigger than 1-1/2 hp, either fixed or variable speed.

DUST COLLECTORS

Many different types of dust collectors are available. A further source of information on types available to suit your shop can be found in woodworking magazines, such as, “Fine Woodworking.” “American Woodworker,” and “Wood,” etc., found at your local newsstand.

Buffing hoods to funnel buffing residue away are available. **Tip:** To help keep dust in one place and not everywhere in the shop, pick up a piece of old carpet. Cut it to fit under your buffing lathe and out past where you would stand. You will be more comfortable standing on carpet and your shop will be less dusty.

BUFFING WHEELS

The most common fabrics used for buffing wheels are muslin and cotton. Wheels are made by sewing circular discs of material together. The looser they are sewn, the better they will conform to odd shaped objects, and are mainly used for final coloring compounds. The more rows of sewing the stiffer the wheel, which works well with polishing abrasives and tripoli compound. Wide wheels, large surfaces with few obstructions. Narrow wheels, under 1/2 inch wide, are good for small parts such as woodwind keys and for getting into tight areas of brass instruments.

Chamois leather wheels are also popular for cleaning up an instrument after playing condition work has been completed. Generally, rouge compounds are used on chamois. A chamois wheel used in this manner will last a long time. Chamois does not “load up” with metal like cloth wheels, and does not need to be raked very often.

Other materials used in buffing wheels are: string, felt, nylon, natural fiber bristles, and wire. They all have their applications, but not much use in instrument repair.

All the band instrument parts and tool suppliers have buffing supplies, some more than others. Experiment with different wheel/compound combinations to see what works best for you.

SURFACE SPEED (SFPM)

Have you ever wondered why sometimes, when buffing, it just feels “right?” The reason is probably because the speed of the motor, the diameter of the wheel, and the compounds you are using are all at a matched or optimum working point. Why does a new eight inch wheel not feel as good as a wheel that has been raked down to seven inches, when using tripoli at a rpm of 2750?

To do buffing work efficiently and economically, three factors must be considered: 1) type of buff (wheel) 2) type of compound (abrasive) 3) the surface feet per minute (see chart).

For example, the surface speed of a four inch wheel at 2800 rpm is 2900 sfpm, while an eight inch wheel at 2800 rpm is 5850 sfpm. The results produced will be the same for both wheels, but the four inch wheel will take twice as long, to accomplish the same amount of work.

For a single speed buffer the best shaft speed is 2750 rpm. You can obtain this speed by contacting your local machine parts company. In a self constructed setup, the motor speed, shaft pulley, and motor pulley are all a part of the calculation:

$$\text{Motor RPM} \times \frac{\text{motor pulley dia.}}{\text{shaft pulley dia.}} = \text{shaft rpm}$$

Theoretically, a wide variety of motor speeds and wheel diameters can be combined to obtain the same buffing results, but as a practical matter, the choice will be limited to motors and wheels, which are readily available, and will do the job within a reasonable time period.

COMPOUNDS

My-oh-my, how can a couple of paragraphs cover compounds? The number of polishing and buffing compounds is almost endless. Nearly any material that can be ground into a powder can be used for a compound. Thankfully, we don’t have to experiment with materials to find out what works best in our industry.

COMPOUND	ABRASIVE MATERIAL	USE
Butler	Aluminum Oxide	Polishing
Tripoli	Amorphous Silica	Cutting
Red/Black Rouge	Ferrous Oxides	Coloring
Yellow/White Rouge	Aluminum Oxide	Nickel/Chrome
Green Rouge	Chrome Oxide	Silver
White Compound	Amorphous Silica - refined and iron free	Chrome

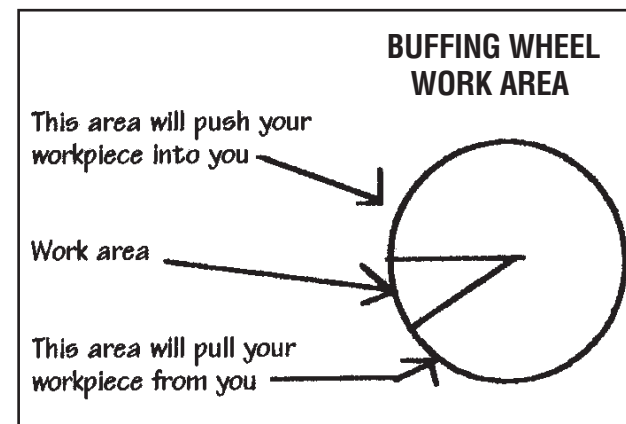
Basically, compounds are abrasive cakes held together by a bonding agent such as tallow, oil, wax, hide glue, or other substance. Not only does the bonding agent hold the abrasive together, it also acts as a lubricant while buffing. After buffing, the bonding agent and some abrasive is left on the metal. This residue must be removed (degreased), before any finish such as lacquer, silver, or nickel plating is applied to the part.

When applying buffing compound to a wheel, care must be taken so that compounds are not mixed. Each compound must have it’s own wheel. (Label your wheels with a marker so that you do not waste a wheel).

Before applying compound to a wheel, use a buff rake to rake out the face of the wheel. This does two things: 1) It removes compound that has built up on the wheel, as well as metal that has mixed with the compound. 2) It loosens up the fibers on the face of the wheel so that they can accept a new application of compound, and the fibers can fit (wrap around) the piece you are buffing.

HOW TO BUFF:

To learn how to buff, it is imperative to get some hands on instruction. The single most important thing to know is what area of the wheel to use when buffing.



When taking a work piece to the wheel, hold it firmly with your hands as close together as you feel comfortable. Support the piece with a wood mandrel, if it’s a brasswind bell. If you are buffing a trombone slide, insert a slide mandrel to give the slide tube a solid feel.

How much pressure should you use? Not so much, that the layers of the wheel are splayed flat; and not so little, that you aren’t removing any material. Sometimes, a good indicator of the proper pressure, is if the piece is too hot to hold in your bare hands, you are using too much pressure. If the piece is not getting warm you are not using enough pressure.

Think of the item you are buffing as a chess game. (Although buffers are more apt to play checkers). The end product must always be kept in mind. When we buff an item, we are making scratches in that item. As we change to finer buffing compounds we are putting more scratches in the metal, not fewer, as may be thought. The scratches become closer together to give the appearance of an absolutely smooth, mirror finish. But, we all know, that a buffed item, held up at various angles to light, will reflect it’s scratches differently. What we want to accomplish in our final finish, is the appearance of no scratches. With saying that, think back to the chess game, the first move you make is going to affect the final outcome of the game.

Let’s take a trumpet bell for example. How does the player look at their bell? Most of the time the player looks “down” the bell, from crook to the flare. So we, when buffing, want the final scratches to go the same way, length wise from crook to flare (checkmate). This will give the appearance that there are not any scratches in the bell.

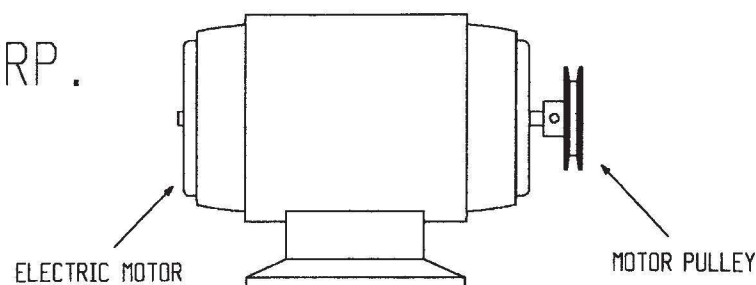
So what will our first move be, so that our final direction of the wheel will cause the scratches to go from crook to flare? To accomplish the greatest amount of energy, we need to think of the “grain” (scratches) we are putting in the workpiece and the direction of the “grain” as we buff.

To accomplish the most work, we need to change the direction of the wheel to the workpiece, with each change of compound. I like to try and go at right angles (as close too) to the direction I was buffing with every change of compound. The reason for this is best stated by the adage, “If you keep plowing the same furrow it will just keep getting deeper.” In other words, if we keep buffing the workpiece in the same direction, no matter what compound we are using, we will not be removing the scratches. We will just make more, with some being deep (left over from the last compound) and some will be shallow (the new compound).

With all this in mind, how many different compounds will you be using to obtain the final finish? Will you start with greaseless composition to remove strap marks and deep pits, or can you start with tripoli? Then do you use compound between tripoli and rouge? I don’t, but some people prefer to do this. Then when you rouge buff are you going to use one wheel (sewn) or a sewn wheel followed by a loose wheel for a super reflective finish?

All the above questions are left to you to answer. Some people like to do it one way, other another. As they say “To each his own,” and I might add “as long as the results are the same.” The results need to be the appearance of no scratches in the workpiece once you are done.

Courtesy of:
ALLIED SUPPLY CORP.



FOR A SINGLE SPEED BUFFER, THE BEST SHAFT SPEED IS 2750 RPM. YOU CAN OBTAIN THIS SPEED, THROUGH THE FOLLOWING FORMULA.

THE MOTOR SPEED, MOTOR PULLEY, AND SHAFT PULLEY, ARE ALL PART OF THE CALCULATION BELOW.

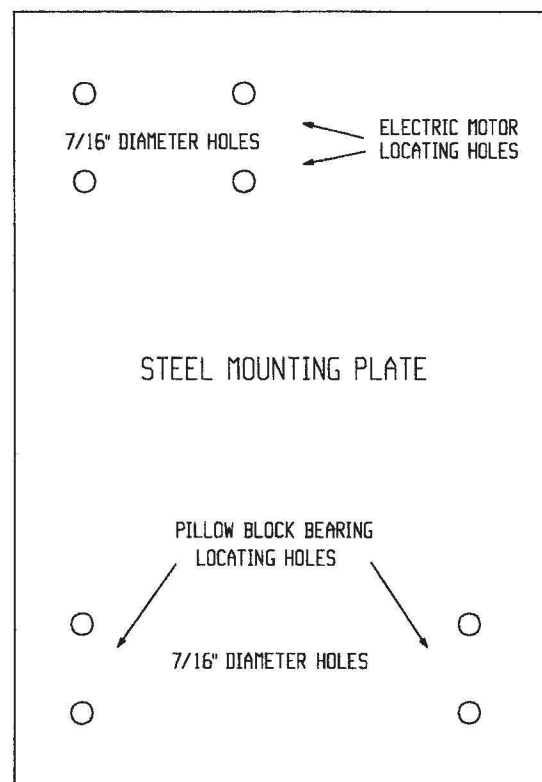
SPINDLE RPM = MOTOR RPM TIMES THE DIAMETER OF THE MOTOR PULLEY, DIVIDED BY THE DIAMETER OF THE SHAFT PULLEY.

EXAMPLE:

3450 RPM MOTOR WITH A 2 1/2" DIAMETER MOTOR PULLEY, AND A 3" DIAMETER PULLEY ON THE 1" SHAFT, WOULD RESULT IN A SHAFT SPEED OF 2875 RPM.

$$3,450 \times 2.5 = 8,625$$

$$8,625 \text{ DIVIDED BY } 3 = 2,875$$



SMALL PARTS BUFFING MACHINE

PARTS REQUIRED:

3/4 HP OR LARGER ELECTRIC MOTOR
(1725 OR 3450 RPM)

1" STEEL SHAFT
(BETWEEN 25" AND 36" LONG)
(SHAFT ENDS SHOULD)
(BE TURNED TO MATCH)
(THE TAPERED SPINDLES)

TWO TAPERED SPINDLES
(ONE LEFT HAND AND ONE RIGHT HAND)

TWO PILLOW BLOCK BEARINGS
(WITH A 1" DIAMETER HOLE)
(MOUNT BEARINGS AT LEAST)
(14" APART)

ONE MOTOR PULLEY

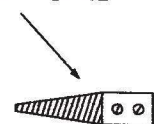
ONE SPINDLE PULLEY WITH 1" HOLE

ONE STEEL MOUNTING PLATE
(3/8" TO 1/2" THICK)
(PLATE SHOULD 16" WIDE - MINIMUM)

ONE V-BELT

(8) 3/8-16 BOLTS
(WITH NUTS, WASHERS, AND LOCK WASHERS)

LEFT HAND SPINDLE



1" SHAFT

PILLOW BLOCK BEARING

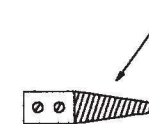


PULLEY WITH 1" HOLE



PILLOW BLOCK BEARING

RIGHT HAND SPINDLE



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NOTES

The following errors in the original 6/12 Catalog have been corrected in this digital catalog, changes to the print catalog were made as follows:

Page	Col	Description
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8		65M Baritone Case - only fits upright action valves
49		Wire Gauge H.S. Steel Drills - chart is on page 225 (not page 102)
72	3	A1080 French Horn String - Part # should be A1018
84		Sheet Cork: A450 should be 1/64" not 1/16" A457 should be 3/64" not 3/32"
99	1	Model 888 - Valve Section Parts - add S863 Stem with riser
145	1	H602 Mouthpipe Ass'y - T602R only - should be part # H637
151	2	JSL-432 Inside Slide Parts: JP21-Y001 Cork Barrel Mpc side should be JP21-Y002 JP21-Y002 Cork Barrel Bell side should be JP21-Y001 Outside slide parts: JP21-5206 should be JP21-S206
169	1	Slide Parts: K215 & K216 said "large" they should say "small" K217 & K218 said "small" they should say "large"
196	3	YTR-232 Trumpet - All parts are obsolete
261	1	"F" index section - pages were off by +/- 2 pages Flexible cleaning swabs and brushes added, page 60-61

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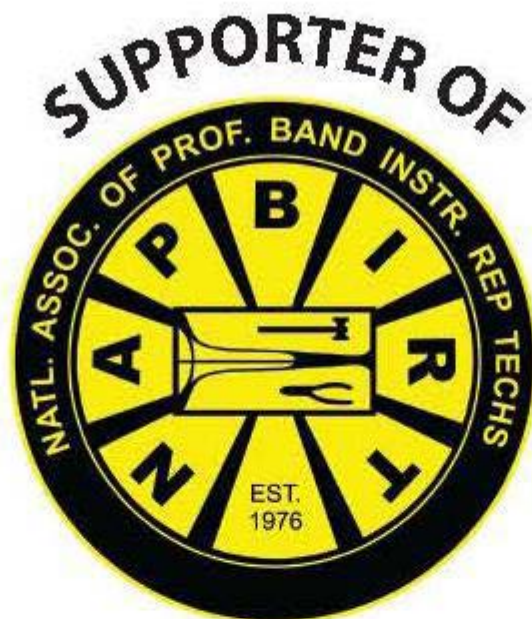
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