



Spare Parts

B&S · Hoyer · Melton · Scherzer



Piston Valve Instruments

Finger Buttons
Finger Button Inlays
Valve Stems
Valve Caps
Felts + Corks
Valve Springs
Valve Guides
3rd Slide Stops

Rotary Valve Instruments

Lever and Trigger Springs
Ball Joints
Push Rods
Stop arms
Stop Plates
Bottom Caps (Rotary Valves)

Specific Parts

Finger Hooks
Thumb Rings
Carrying Rings
Instrument-Specific Parts

All Instruments

Water Key Parts
O-Rings
Screws + Nuts

2017

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Finger Buttons

	CODE	INSTRUMENT	MODEL
SMALL BRASS			
 1:1	SPVK03137-405080-1	Trumpet / Cornet / Flugelhorn Challenger I	with Inlay SP480185
	SPVK03137-405080-2		
	SPVK03137-405080-4		
	SPVK03137-405080-8		
 1:1	SPVK0-405080-1	Trumpet / Cornet / Flugelhorn Challenger II	with Inlay SP480205
	SPVK0-405080-2		
	SPVK0-405080-4		
	SPVK0-405080-8		
 1:1	SPVK0-405210-1	MBX2+3	no Inlay
	SPVK0-405210-2		
	SPVK0-405210-4		
	SPVK0-405210-8		

BACKGROUND BRASS

 1:1	SP405050-1	Baritone 160	with Inlay SP480185
	SP405050-2		
 1:1	SP405070-1	Euphonium Talis 170, 171, 175	with Inlay SP480195
	SP405070-2		
	SP405070-5		
 1:1	SPDIV405100-1	Euphonium Melton, Tuba 2182, 2011FA/TA	with Inlay SP480275
	SPDIV405100-2		
 1:1	SPVK0-405090-1	Tuba MW 46SLP, 2141, 2145, 3225, 2250, 195(5)P, 2000, 2182W, 3450, 5450, 6450; B&S 3301, 3302, 3198, 4197, 4198, GR41, MRP	with Inlay SP480295
	SPVK0-405090-2		

Lacquered -1
 Silver-Plated -2
 Gold-Plated -4
 Gold Lacquered -8

Finger Button Inlays

	CODE	PART	MODEL	DIAMETER
 1:1	SP480185	Inlay Trumpet / Cornet / Flugelhorn Challenger I	TR 3137, 3142, 3145; BA 160	13.8 mm
 1:1	SP480205	Inlay Trumpet / Cornet / Flugelhorn Challenger II	TR 3116/2, 3117JH, 3125/2, 3131/2, 3132/2, 3136/2, 3136JH, 3136TC, 3137/2, 3137ST, 3137TC, 3138/2, 3143/2, 3143JH, 3143ST, 3172/2, 3178/2, 3180, X-Line trumpets; CR 3141/2, 3142/2, BSCX; FH 3146/2, 3147/2, 3148/2, BSFBX	13.7 mm
 1:1	SP480195	Inlay Euphonium / Tuba	BB 205, EU 170, 171, 175, 551, 755, 757	15.85 mm
 1:1	SP480275	Inlay Euphonium / Tuba	MW 2011FA/TA, 2181; BS 291; EU 451, 551, 751, 780	17.9 mm
 1:1	SP480295	Inlay Tuba	MW 2141, 3225, 45SLP, 2250, 3450, 5450, 6450, 195, 195/5, 2000, 2145, 2182W, 45SLP, B&S 3198, 3301, 3302, 4100/2, 4197, 4198, 5198, GR41, MRP	21.65 mm

Valve Stems

	CODE	INSTRUMENT	MODELS
 1:1	SP404160	Trumpets, Cornets, Top Sprung Flugelhorns	TR 3116/2, 3117JH, 3125/2, 3131/2, 3132/2, 3136/2, 3136JH, 3136TC, 3137(/2), 3137TC, 3138/2, 3143(/2), 3143JH, 3172/2, 3178/2, 3180, X-Line, MBX1-3; CR 3141/2, 3142(/2), CX; FH 3145
 1:1	SP404130	Bottom Sprung Flugelhorns	FH 3146/2, 3147/2, 3148/2, FBX
 1:1	SP404250	Baritone	BA 160
	SP404250-1		
 1:1	SPDIV404230-1	Euphonium	MW451, 551, 751, 780
	SPDIV404230-2		
 1:1	SP404290	Tuba	Tuba 2182, 2011FA, 2011TA
 1:1	SPDIV-404210-1	Tuba	Tuba 2141, 2145, 3225, 45SLP, 2250NP, 195(5)P, 2000, 2182W, 2250, 3197, 3198, 4197, 4198, 3450, 5450, 6450, 3301, 3302, 5198, GR41, 4100/2, MRP
	SPDIV-404210-2		

Valve Caps

	CODE	
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TRUMPETS: CHALLENGER I, CHALLENGER II, X-LINE

TOP CAPS

 1:1	SPGHO3137-403228-1	Challenger I Trumpets: Top Cap with Rubber Inlay
	SPGHO3137-403228-2	
	SPGHO3137-403228-4	
	SPGHO3137-403228-8	
 1:1	SPGHO-403228-1	Challenger II + X-Line Trumpets: Top Cap with Felt Inlay
	SPGHO-403228-2	
	SPGHO-403228-4	
	SPGHO-403228-8	

TOP CAP SETS

	SPSET-1-403228-4	Set of Challenger I Top Caps, Gold-Plated with Inlay
	SPSET-2-403228-4	Set of Challenger II Top Caps, Gold-Plated with Inlay

BOTTOM CAPS

 1:1	SPGHU-403238-1	Bottom Cap N° 1: Standard for Challenger I/II + X-Line Trumpets
	SPGHU-403238-2	
	SPGHU-403238-4	
	SPGHU-403238-8	
 1:1	SP403318-1	Bottom Cap N° 3 - Heavy: Standard for 3136ST/3137ST Trumpets, fits all others
	SP403318-2	
	SP403318-4	
	SP403318-8	

BOTTOM CAP SETS

	SPSET-403238-4	Set of Bottom Caps N°1 (Standard) - Gold-Plated
	SPSET-403318-1	Set of Bottom Caps N°3 (Heavy) - Lacquered
	SPSET-403318-2	Set of Bottom Caps N°3 (Heavy) - Silver-Plated
	SPSET-403318-4	Set of Bottom Caps N°3 (Heavy) - Gold-Plated

TRIM KITS (SET OF FINGER BUTTONS, TOP + BOTTOM CAPS)

	SPSET-CHALLENGER1-4	Gold Trim Kit for Challenger I, Gold-Plated
	SPSET-CHALLENGER2-4	Gold Trim Kit for Challenger II, Gold-Plated

Lacquer -1
 Silver-Plated -2
 Gold-Plated -4
 Gold Lacquer -8
 Matt Gold Lacquer -8M
 Vintage -8V

Valve Caps

	CODE	
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TRUMPETS: MBX

TOP CAPS

 1:1	SPGHO-403690-1	Trumpets MBX 2+3, heavy
	SPGHO-403690-2	
	SPGHO-403690-4	
	SPGHO-403690-8	

BOTTOM CAPS

 1:1	SPGHU-403700-1	Bottom Cap MBX2/3 - Short
	SPGHU-403700-2	
	SPGHU-403700-4	
	SPGHU-403700-8	
 1:1	SPGHU-403710-1	Bottom Cap MBX2/3 - Heavy
	SPGHU-403710-2	
	SPGHU-403710-4	
	SPGHU-403710-8	
	Bottom Cap Sets	
	SPSET-403710-1	Set of Heavy Bottom Caps MBX2/3 - Lacquered
	SPSET-403710-2	Set of Heavy Bottom Caps MBX2/3 - Silver-Plated
	SPSET-403710-4	Set of Heavy Bottom Caps MBX2/3 - Gold-Plated

TRIM KITS (SET OF FINGER BUTTONS, TOP + BOTTOM CAPS)

	SPSET-MBXHERITAGE-1	Gold Trim Kit for MBX3, Gold-Plated
	SPSET-MBXHERITAGE-2	
	SPSET-MBXHERITAGE-4	
	SPSET-MBXHERITAGE-8M	
	SPSET-MBXHERITAGE-8V	

FLUGELHORN

TOP CAPS

 1:1	SPGHO31462-403378-*	Flugelhorn 3146/47, FBX (Bottom Sprung)
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BOTTOM CAPS

 1:1	SPGHU31462-403368-*	Flugelhorn 3146/47, FBX (Bottom Sprung)
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- Lacquer -1
- Silver-Plated -2
- Gold-Plated -4
- Gold Lacquer -8
- Matt Gold Lacquer -8M
- Vintage -8V

Valve Caps

	CODE	
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BACKGROUND BRASS

TOP CAPS

 1:1	SP403290-*	Euphonium Melton
 1:1	SP403460-*	Euphonium 170/171/175; Tuba 205M
 1:1	SPGHO-403260-*	Tuba MW 46SLP, 2141, 2145, 3225, 2250, 195(5)P, 2000, 2182W, 3450, 5450, 6450; B&S 3301, 3302, 3198, 4197, 4198, GR41, MRP
 1:1	SP403320-*	Tuba MW2011FA/TA, 2182

BOTTOM CAPS

 1:1	SP403310-*	Euphonium Melton
 1:1	SP403450-*	Euphonium 170/171/175; Tuba 205M
 1:1	SPGHU-403250-*	Tuba MW 46SLP, 2141, 2145, 3225, 2250, 195(5)P, 2000, 2182W, 3450, 5450, 6450; B&S 3301, 3302, 3198, 4197, 4198, GR41, MRP
 1:1	SP403280-*	Tuba MW2011FA/TA, 2182

- Lacquer -1
- Silver-Plated -2
- Gold-Plated -4
- Gold Lacquer -8
- Matt Gold Lacquer -8M
- Vintage -8V



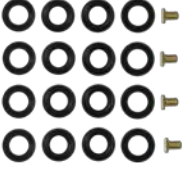
Felts + Corks

	CODE	INSTRUMENT	SIZE
 1:1	SP480058	Finger Button Felt Tuba B&S	13/6 x 5
 1:1	SP480100	Top Cap Rubber Inlay Challenger I + FH 3145	18/11 x 2.3
 1:1	SP480215	Top Cap Felt Challenger II	18/11 x 2.8
 1:1	SP480036	Top Cap Felt Euphonium MW 451/551/751	26/11 x 2.5
 1:1	SP480305	Top Cap Felt Baritone/Euph B&S+Talis (old models)	22/11 x 2.5
 1:1	SP480245	Top Cap Felt Compensated Tuba (old models)	28/14 x 3.3
 1:1	SP480130	Valve Stem Felt - woven felt, stiff - Various Instruments B&S	15/6 x 2
 1:1	SP480140	Valve Stem Felt - needle felt, soft - Bottom Sprung Flugelhorn	15/6 x 2
 1:1	SP480290	Valve Stem Cork Euphonium	15/6 x 2
 1:1	SP480285	Valve Stem Cork Tuba	15/6 x 4

Valve Springs

	CODE	INSTRUMENT	SIZE	MODELS
 1:1	SP445335	Trumpet/Cornet Challenger II, X-Line; Flugelhorn 3145	~ 38x10.2 mm	TR 3116/2, 3117JH, 3125/2, 3131/2, 3132/2, 3136/2, 3136JH, 3136TC, 3137/2, 3137ST, 3137TC, 3138/2, 3143/2, 3143JH, 3143ST, 3172/2, 3178/2, X-Line, MBX1-3, CR 3141/2, 3142/2, CX, FH 3145
 1:1	SP445325	Trumpets Challenger I, Cornet 3142	~ 43x10.6 mm	TR 3137, 3180; CR 3142
 1:1	SP445340	Bottom Sprung Flugelhorns	~ 42.7x13 mm	FH 3146/2, 3147/2, 3148/2, FBX
 1:1	SP445280	Euphonium/Tuba MW	~ 56x16.7 mm	EU 451, 551, 751, 780, Tuba 2182, 2011FA, 2011TA, 291
 1:1	SP445290	Tuba B&S + MW	~ 57x18 mm	Tuba MW 2141, 2145, 3225, 45SLP, 2250, 195(5)P, 2000, 2182W, 3450, 5450, 6450, B&S 3301, 3302, 3198, 4197, 4198, 5198, GR41, MRP

Valve Guides

	CODE	INSTRUMENT	MODELS
 1:1	SP407050	Top Sprung Instruments	TR 3116/2, 3117JH, 3125/2, 3131/2, 3132/2, 3136/2, 3136JH, 3136TC, 3137(2), 3137ST, 3137TC, 3138/2, 3143/2, 3143JH, 3143ST, 3172/2, 3178/2, 3180, DBX, DBXF, DCX, DCXF, EXB, EXC, EXE, JBX, MBX1-3; CR 3141/2, 3142(2), CX; FH 3145
 1:1	SP480016	Bottom Sprung Instruments	FH 3146/2, 3147/2, 3148/2, FBX; EU 451, 551, 751, 780; Tuba 2141, 3225, 45SLP, 2250NP, 2182(W), 195(5)P, 2000, 2250, 3450, 6450, 2011FA, 2011TA, 3301, 3302, 2145, 3197, 3198, 4197, 4198, 5198, 5450, GR41, 291, 4194, 4100/2, 45SLP, MRP
 1:1	SP522005	Valve alignment kit: Metal Valve Guide + Washers	Big Valve Melton Tubas
 1:1	SP407605	Old Models; D 22mm	EU 170, 171, 175; Tuba 205

3rd Slide Stops

	CODE		FINISH
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CHALLENGER I

	1:1	SP450010	Threaded Rod	Brass
		SPDIV3137-450010-2		Silver-Plated
	1:1	SP410078-1	Knurled Nut	Lacquered
		SP410078-2		Silver-Plated
	1:1	SP450090	Allen Screw M3	
	1:1	SP100408	Mount (Threaded Hole), to be soldered on instrument	Brass
		SP100408-2		Silver-Plated
	1:1	SP100518	Mount (Smooth Hole), to be soldered on slide	Brass
		SP100518-2		Silver-Plated

CHALLENGER II (EXCEPT 3116/2) AND X-LINE (EXCEPT MBX1+2, EXE)

	1:1	SP100528	Slide Stop (to be soldered on instrument)	Polished
		SP100528-2		Silver-Plated
		SP100528-5B		Black Nickel
		SP100528-5BM		Matt Black Nickel
		SP100528-8		Gold Lacquer
	1:1	SP100539	Knurled Screw	Stainless Steel, 23mm
	1:1	SP100530		Brass, 28mm
	1:1	SP701775	Rubber Cap for Stop Screw (MBX3 only)	

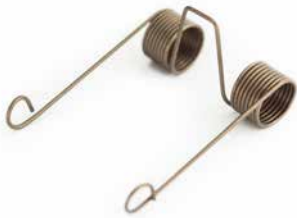
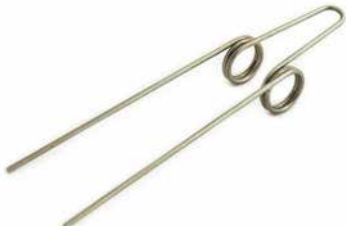
3116/2, MBX1+2, EXE

	1:1	SP100740	Slide Stop Complete (to be soldered on instrument)	
	1:1	SP100826	Teflon Ball	

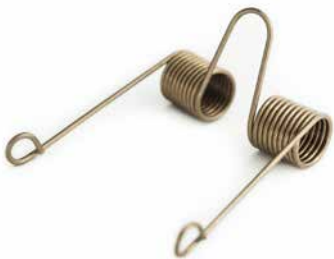
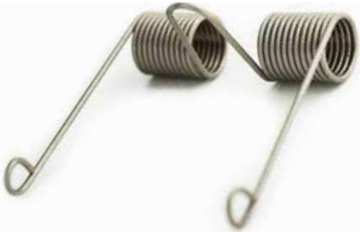
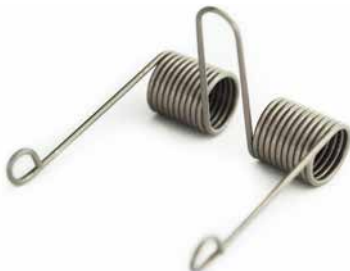
STOP PLATE ALL CHALLENGER II AND ALL X-LINE

	1:1	SP100548	Stop Plate (to be soldered on 3rd slide)	Polished
		SP100548-2		Silver-Plated
		SP100548-5B		Black Nickel
		SP100548-5BM		Matt Black Nickel
		SP100548-8		Gold Lacquer

Lever and Trigger Springs

	CODE		INSTRUMENT
 1:1	SP430015	N° 7	Small Brass B&S and JS
 1:1	SP126615		Trigger Rotary Valve Trumpets + Cornets B&S/JS; Piston Cornets B&S
 1:1	SP430215	N° 13	Trigger Flugelhorn MW, High Bb Trumpet JS
 1:1	SP430025	N° 3	Tenor Horns B&S, Wagner Tubas HH
 1:1	SP430235	N° 15	Tenor Horn + Baritone MW (Valves 1-4)

Lever and Trigger Springs

	CODE		INSTRUMENT
 1:1	SP430035	N° 2	Baritones B&S
 1:1	SP430065	N° 1	Rotary Tubas B&S and MW, except 2011RA, 186
 1:1	SP430075	N° 8	Tuba 2011RA, 186
 1:1	SP430115	N° 9	Rotary Tubas Right Hand Switch Valves
 1:1	SP430125	N° 10	Piston Tubas Right Hand Switch Valves; Trigger Baritone + Tenor Horn MW

Lever and Trigger Springs

	CODE		INSTRUMENT
 1:1	SP430135	N° 11	Tuba Left Hand Switch Valves
 1:1	SP430045	N° 4	French Horns HH (Valves 1-3)
 1:1	SP430225	N° 14	French Horn and Trombone Switch Valves
 1:1	SP430245		Switch Valve Parforce Horn

Ball Joints

	CODE		INSTRUMENT
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BEARINGS:

 2:1	SP120110	Small Minibal Bearing (6mm ball)	B&S Trombones
 2:1	SP120160	Small 3B Bearing (5.2mm ball)	Main Levers All Rotary up to Baritone; 5th/6th Levers Tubas
 2:1	SP120170	Large 3B Bearing (8mm ball)	Main Levers Tubas

SPRINGS:

 1:1	SP430175	Small Bearing Spring (for SP120110 and SP120160)	for Small Bearings (All Except Main Levers Tuba)
 1:1	SP430165	Large Bearing Spring Tuba (for SP120170)	for Large Bearings (Main Levers Tubas)

SCREWS:

 2:1	SP420330	Torx Screw M2.5 x 10 (for SP120110)	for Small Minibal (B&S Trombones)
 2:1	SP420305	Torx Screw M2 x 10 (for SP120160)	for Small 3B (Main Levers All Rotary up to Baritone; 5th/6th Levers Tubas)
 2:1	SP420345	Torx Screw M3 x 12 (for SP120170)	for Large 3B (Main Levers Tubas)

OLD SYSTEM BALL JOINTS

 2:1	SP420115	Ball Mount (4mm ball, M3)	
 2:1	SP420135	Ball Mount (4mm ball, M2.5)	
 2:1	SP420125	Sleeve 12mm	
 2:1	SP420145	Bush 5mm	
 2:1	SP420155	Screw for Ball Joint 4.5 x 4.5	

Push Rods

	MODEL	DIAMETER	LENGTH	INCL. THREADS, BEFORE BENDING.
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SMALL BRASS:

	1:1	SP110478	3	30	JS High Bb Trumpet - Main Levers
	1:1	SP110468	3	48	JS High Bb Trumpet - 4th Lever
	1:1	SP110358	3	34	B&S/JS Trumpets; B&S/MW Flugelhorns

FRENCH HORNS:

	1:1	SP110198	3.5	29.5	HH Double Horns
	1:1	SP450115	M3	12	Switch Valve HH 704, 706, G10

BACKGROUND BRASS:

	1:1	SP110348	3	45	Baritone B&S
	1:1	SP110128	3.5	66	Main Levers Tuba B&S
	1:1	SP110378	3.5	16	5th Valve Tuba B&S
	1:1	SP410068	8		Tenor Horn, Baritone, Tuba, K10 French Horn

For other models, please inquire.

Stop Arms

	MODEL	LENGTH	DIAMETER	INSTRUMENT
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B&S:

without/with Pin

 1:1	SPDIV-112238-1	7.5/15.5	10	B&S Instruments from Trumpet to Baritone
	SPDIV-112238-2			
 1:1	SPDIV-120078-1	10/16	12	B&S Trombone
 1:1	SPDIV-120098-1	9/19	12	B&S Tuba
	SPDIV-120098-2			

MELTON:

 1:1	SP120068	9/17	12	MW Baritone + Tenor Horn
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HOYER:

 1:1	SP112218-1	13/19	10	French Horns with String Mechanism - Main Valves 802, 6802, 7802
 1:1	SP112228-1	13/19	10	French Horns - Switch Valve 5801+2, 6801+2, 7801+2
 1:1	SPDIV-112208-1	9.5	10	French Horn 601/602/801/802 - Switch Valve

Stop Arms

	MODEL	LENGTH	DIAMETER	INSTRUMENT
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SCREWS:

 1:1	SP420108	7	M2.5	All Instruments except French Horns with String Mechanism: Stop Arm Screw
 1:1	SP420098	10	M2.5	French Horns with String Mechanism: Stop Arm Screw
 1:1	SP420088	4.5	2.2	French Horns with String Mechanism: String Fixing Screw
 1:1	SP107018	20		French Horn 601/602/801/802 - Switch Valve

NUT:

 1:1	SP420355	H 1.6	3.9/4.4	French Horn 601/602/801/802/G10 - Switch Valve
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STRING:

 1:1	SP480355	1m	0.7mm	String for French Horns (1m)
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Stop Plates

	CODE	PART, DETAIL	INSTRUMENT
 1:1	SP106010-2	Small Stop Plate, silver-plated	from Trumpet to Baritone, also Trombone
	SP106028	Small Stop Plate, nickel-plated	
 1:1	SP106048	Small Stop Plate, nickel-plated, 120°	Double Horns Series 6000/7000er, G10
 1:1	SP106030-2	Large Stop Plate, silver-plated	Tuba
	SP106038	Large Stop Plate, nickel-plated	

SCREW:

 1:1	SP420325	Stop Plate Screw M2.5 x 6	all Stop Plates
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RUBBER BUMPERS:

 1:1	SPDIV46-471-00006	Stop Plate Rubber 6mm	French Horns
	SPDIV46-471-00007	Stop Plate Rubber 7mm	Tuba B&S

Bottom Caps (Rotary Valves)

	CODE	FINISH	D	MODEL
TRUMPET, FLUGELHORN				
 1:1	SP121028	Nickel-Plated, Not Engraved	27.7	5/3, 17/2 (ex VMI)
 1:1	SPDIV-121200-2	Silver-Plated, Engraved		3005/3, 3017/2; MWF10+12 from 2017
	SPDIV-121200-4	Gold-Plated, Engraved		
	SPDIV-121200-5	Nickel-Plated, Engraved		

FRENCH HORN

 1:1	SP121038	Nickel-Plated, Not Engraved	28.7	
 1:1	SP121030-4	Gold-Plated, Engraved (Main Valves)		801 4x; 6800/7800/G10/K10 3x
	SP121030-5	Nickel-Plated, Engraved (Main Valves)		
 1:1	SP121238	Nickel-Plated, Not Engraved	24.7	
 1:1	SP121230-4	Gold-Plated, Engraved (Switch Valve)		6800/7800/G10/K10 1x
	SP121230-5	Nickel-Plated, Engraved (Switch Valve)		

Bottom Caps (Rotary Valves)

	CODE	FINISH	D	MODEL
TENOR HORN				
 1:1	SP121048	Nickel-Plated, Not Engraved	33.7	32/2, 33/2
 1:1	SPDIV-121210-5	Nickel-Plated, Engraved		3032/2, 3033/2; MAT24, MWT23+24 from 2017
BARITONE				
 1:1	SP121058	Nickel-Plated, Not Engraved	35.7	42, 46
 1:1	SPDIV-121120-5	Nickel-Plated, Engraved		3042, 3046; MAB34, MWB34, MWK34 from 2017
TUBA				
 1:1	SP121188	Nickel-Plated, Not Engraved	43.7	MW; B&S 103, 3103
 1:1	SPDIVGR51-121190-5	Nickel-Plated, Engraved		B&S except 103, 3103

Finger Hooks

	CODE	INTRUMENT	MODEL
TRUMPET			
 1:2	SP135100	B&S Rotary Trumpet	3005W, 3005/3, 5/3
 1:2	SP135110	B&S Piston Trumpet	Challenger I+II, MBX 2+3
	SP135110-2		
 1:2	SP135170	B&S Reversed Leadpipe Trumpets	3136/2, DBX, MBX, JBX
 1:2	SP135238	B&S Eb Piston Trumpet	3116, 3117, 3131
 1:2	SP135300	Scherzer High Bb/A Trumpets	8111, 8112
 1:2	SP135308	Scherzer Bb and C Trumpets	8211, 8217, 8218, 8228
FLUGELHORN			
 1:2	SP135018	B&S Flugelhorns	17/2, 3017/2
 1:2	SP135320	MW Flugelhorns	MWF12
 1:2	SP521558		MWF10, MW124

Finger Hooks

	CODE	INTRUMENT	MODEL
FRENCH HORN			
 1:2	SP135088	Fixed Finger Hook	Double Horn Series 6000, 7000, C2
 1:2	SPDIV-135158-1	Adjustable Finger Hook, complete (Mount, Clamping Pieces, Ball, Finger Hook, Screws, Screw Driver)	Student Horns, 801, G10, K10, C1, C12, C23, RT91
	 1:1	SP135158	Mount with Clamping Piece
	 1:1	SP135310	Counter Clamping Piece
	 1:1	SP135260	Ball
	 1:2	SPDIV-135120	Hook
	 1:1	SP420325	Torx Screw M2.5x6 for End of Hook
	 1:1	SP420335	Torx Screw M3x10 for Clamping Pieces
 1:2	SPDIV-135148-1	Adjustable Hand Rest (Flipper) complete, lacquered	French Horns with Flipper Option
	 1:2	SP135134	Flipper rod
	 1:1	SP135310	Counter Clamping Piece
	 1:1	SP135260	Ball
	 1:1	SP420335	Torx Screw M3x10 for Clamping Pieces

Thumb Rings

	CODE	INSTRUMENT	MODEL
FIXED RINGS			
 1:2	SP129268	MW Tenor Horn + Baritone	MAT, MAB
 1:2	SP129108	B&S Tenor Horn	32/2, 33/2
 1:2	SP129118	B&S Baritone	42, 46
 1:2	SP129078	B&S Rotary F Tubas	3099, 3100, 5099, 5100
 1:2	SP129058	B&S Rotary Bb Tubas	GR51, GR55, 103, 3098
 1:2	SP129188	MW Tubas	18, 25, 4450, 4460

SWIVELLING RINGS

 1:2	SP129128	B&S Tenor Horn + Baritone; HH Wagner Tubas	3032/2, 3033/2, 3042, 3046; 822, 824
 1:2	SP521538	MWT, MWB	T23, 24, B34

Thumb Rings

	CODE	INSTRUMENT	MODEL
SWIVELLING AND SLIDING RINGS			
 1:2	SP129158 SP129158-1 SP129158-2	MW / B&S Piston Tubas	2000, 2011FA, 2140, 2141, 2145, 3198, 3199, 3301, 3302, 4100IIP, 4197, 4198, 45SLP, 46SLP, 5198
 1:2	SP129198-1	B&S Tuba GR41	GR41
 1:2	SP129208 SP129208-2	MW C Tubas	3450, 5450, 6450
 1:2	SP129258STR-1 SP129258STR-2	B&S MRP-F	MRP-F
GRUB SCREW FOR SLIDING RINGS (NOT INCLUDED)			
 1:1	SP450100	Allen Screw M4x6	2011FA, 3301, 3198, 5450, GR41

Carrying Rings

	CODE	INSTRUMENT PART	FOR TUBE DIAMETER	MODEL
 1:2	SP132058	B&S Tenor Horn: Bell	62	TH 32/2, 33/2, 3032/2, 3033/2
 1:2	SP132048	B&S Tenor Horn: Bottom Bow; Bb Tuba: 3rd Branch	40	TH 32/2, 33/2, 3032/2, 3033/2; Tuba 103, 3103, 3301
 1:2	SP132018	B&S Bb Tuba: Bell	125	Tuba 103, 3103, 3301
 1:2	SP132068	B&S Baritone: 1st Branch; Tuba: 2nd Branch	50	BA 46; GR51
 1:2	SP132078	B&S Baritone: Bell; Tuba: 1st Branch	75	BA 46; GR51
 1:2	SP132120	MW Bb Tuba: 1st Branch (Straight Ring)		MW 18, 25, 2011FA/RA/TA, 186, 195
 1:2	SP132130	MW Bb Tuba: Bell (Slanted Ring)		MW 18, 25, 2011FA/RA/TA, 186, 195

Instrument-Specific Parts

	CODE	INSTRUMENT	MODEL
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HH FRENCH HORN SCREW RINGS FOR DETACHABLE BELLS

 1:2	SP307710	Triple Horn	C1, C2, C23
 1:2	SP307730	Single/Double Horn	Series 5000A, 700A, 801A, G10
 1:2	SP307740	Single/Double Horn	Series 6000A, 7000A

OTHER FRENCH HORN PARTS

	SP480355	String	0.7mm x 1m
	701605	Hand Protection, leather	

Instrument-Specific Parts

	CODE	INSTRUMENT	MODEL
MW EUPHONIUM 4TH VALVE CLIP			
 1:2	SP115210-1	Pivoting Plate, lacquered	MW 451, 551, 751
 1:1	SP440080-1	Knurled Screw, lacquered	
	SP440080-2	Knurled Screw, SP	
 1:1	SP480090	Plastic Disc	
 1:1	SP100680	Mount, polished	
	SP100680-1	Mount, lacquered	
B&S TROMBONE			
 1:1	SP480345	Trombone Slide Knob Bumper	3055, 3085
B&S TUBA			
	SP480315	Leather String Slide Stop Alan Baer	4th Slide JBL Tuba

Water Key Parts

	CODE	PART
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WATER KEY SPRINGS

 1:1	SP430255	Small Brass 3rd Slide (Piston Valve Instruments)
 1:1	SP430265	Small Brass Main Tuning Slide (Piston Valve Instruments), Euph MW, Tuba, French Horn
 1:1	SP430095	Trigger Cornet/Flugelhorn, 3rd Slide Tuba
 1:1	SP430155	Main Tuning Slide (Rotary Valve Instruments)
 1:1	SP126835	Trombones

WATER KEY SCREWS

 1:1	SP420038	Trumpet JS; French Horn
 1:1	SP126738 SP126738-2	3rd Valve Slides
 1:1	SP126708 SP126708-2	Main Tunings Slides

Water Key Parts

	CODE	PART
WATER KEY PADS		
 1:1	SP480057	Small Brass (D8.2 x 5, Synthetic)
 1:1	SP480059	French Horn 801; Vienna Water Key (D9 x 4.2, Synthetic)
 1:1	SP480060	Main Tuning Slides Tenor Horn + bigger (D10 x 5.2, Synthetic)
 1:1	SP480047	Trombone Long Water Key Cork

WATER KEY BUMPER CORKS

 1:1	SP480280	Small Bumper Cork
 1:1	SP480067	Long Bumper Cork (Main Tuning Slides)

For water keys, themselves, please enquire

LONG WATER KEY (MS14, MS27)

 1:1	SP701745	O-Ring
 1:1	SP126448	Push Button
 1:1	SP126468	Guide
 1:1	SP480325	Teflon Insert for Guide
 1:1	SP126478	Push Rod
 1:1	SP126488	Link
 1:1	SP480335	Carbon Rod
 1:1	SP126408	Water Key

AMADO WATER KEY

 1:1	SP126010	Amado Water Key
	SP126010-2	Amado Water Key SP

O-Rings

	CODE	SIZE	INSTRUMENT
 1:1	SP480010	11/9 x 1	Triggered Trumpet Slides (Challenger II 1st+3rd Slide; Rotary Trumpets 3rd Slide)
 1:1	SP480160	10/8 x 1	Triggered Flugelhorn Slides (FH 3145/6/7/8, FBX, MWF12); Trumpet 8111
 1:1	SP701715	19.1/15.6 x 1.78	Trigger 2nd Slide F-Tuba; Heavy Bottom Caps 31362ST, 31372ST
 1:1	SP701735	18/13 x 2.5	Trombone Playing Slides
 1:1	SP701745	6/3 x 1.5	Trombone Long Water Key Button

Screws + Nuts

	CODE	SIZE	INSTRUMENT & PART
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ALLEN SCREWS

 1:1	SP450090	M3 x 5	Slide Stop Challenger I
 1:1	SP450100	M4 x 6	French Horn Lever Touch Piece; Tuba Sliding Thumb Rings
 1:1	SP450115	M3 x 12	704, 706, G10: Thumb Touch Pieces
 1:1	SP450130	M4 x 4	MS14, MS27: Bullet Brace

TORX SCREWS

 1:1	SP420305	M2 x 10	Small 3B Bearings
 1:1	SP420315	M3 x 6	French Horn K10
 1:1	SP420325	M2.5 x 6	all Stop Plates; French Horn Adjustable Finger Hook
 1:1	SP420330	M2.5 x 10	Small Minibal Bearings
 1:1	SP420335	M3 x 10	French Horn Finger Hook + Flipper Clamping Pieces
 1:1	SP420345	M3 x 12	Large 3B Bearings

Screws + Nuts

		CODE	SIZE	INSTRUMENT & PART
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SLOTTED SCREWS

	1:1	SP420108	M2.5 x 7	Stop Arm Retaining Screw (most Instruments)
	1:1	SP420098	M2.5 x 10	Stop Arm Retaining Screw (Stringed French Horns)
	1:1	SP420088	M2.3 x 4.5	String Screw (Stringed French Horns)
	1:1	SP107018	20	Stop Arm Screw Switch Valve French Horn 601/602/801/802
	1:1	SP420068	M3.5 x 8	Small Brass + French Horns Valve Lever Support
	1:1	SP420048	M3.5 x 10	Bigger Instr Valve Lever Support

WATER KEY SCREWS

	1:1	SP420038		Trumpet JS; French Horn
	1:1	SP126738		3rd Valve Slides
		SP126738-2	Silver-Plated	
	1:1	SP126708		Main Tunings Slides
		SP126708-2	Silver-Plated	

VIOLIN SCREWS

	1:1	SP150010	Small, Brass	High Trumpets B&S + JS, Cornets 3141/2, CX, FH 3147/2, Triple Horns
		SPDIV-150010-2	Small, Silver-Plated	
		SPDIV-150010-5	Small, Nickel-Plated	
	1:1	SP150028	Large, Nickel-Plated	Flugelhorn leadpipes

CARDHOLDER SCREWS

	1:1	SP420190-1	Lacquered	B&S Flugelhorn, Tenor Horn, Baritone
		SP420190-2	Silver-Plated	
		SP420190-5	Nickel-Plated	

NUTS

	1:1	SP410068	Push Rod Nut	Tenor Horn, Baritone, Tuba, K10 French Horn
	1:1	SP410038	Rotary Shaft End	B&S Trumpet, Flugelhorn, Tenor Horn, Trombone; HH French Horn; JS Trumpet
	1:1	SP410028	Rotary Shaft End	MW Tenor Horn + Baritone
	1:1	SP410018	Rotary Shaft End	all Tubas; B&S Baritone
	1:1	SP410078-1	3rd Slide Stop	Trumpet Challenger I, Lacquered
		SP410078-2	3rd Slide Stop	Trumpet Challenger I, Silver-Plated
	1:1	SP420355	Switch Valve	French Horn 601/602/801/802/G10

B&S · Hoyer · Melton · Scherzer

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