

Pioneer

Service Manual

ORDER NO.
RRV4183

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-826-K

VSX-821-K

VSX-521-K

VSX-421-K

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
VSX-826-K	SYXCN5	AC 220 V to 230 V	
VSX-821-K	SYXCN5	AC 220 V to 230 V	
VSX-521-K	SYXCN5	AC 220 V to 230 V	
VSX-421-K	SYXCN5	AC 220 V to 230 V	

This service manual should be used together with the following manual(s).

Model No.	Order No.	Remarks
VSX-821-K/CUXCNSM	RRV4167 	VSX-521-K/CUXCNSM

For SPECIFICATIONS and PANEL FACILITIES, refer to the operating instructions.

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K-ZZZ MAY 2011 Printed in Japan

1. CONTRAST OF MISCELLANEOUS PARTS

NOTES: ● Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

● The  mark found on some component parts indicates the importance of the safety factor of the part.

Therefore, when replacing, be sure to use parts of identical designation.

● Screws adjacent to ▼ mark on product are used for disassembly.

● For the applying amount of lubricants or glue, follow the instructions in this manual.

(In the case of no amount instructions, apply as you think it appropriate.)

● Nos. indicate the pages and Nos. in the service manual for the base model.

● When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

560Ω → 56 x 10¹ → 561 RD1/4PU5 6 1 J

47kΩ → 47 x 10³ → 473 RD1/4PU4 7 3 J

0.5Ω → R50 RN2H 5 0 K

1Ω → 1R0 RS1P 1 R 0 K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62kΩ → 562 x 10¹ → 5621 RN1/4PC 5 6 2 1 F

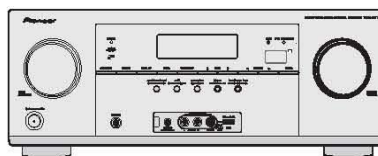
CONTRAST TABLE FOR VSX-826-K/SYXCN5 AND VSX-821-K/SYXCN5

VSX-821-K/CUXCN5M, VSX-826-K/SYXCN5 and VSX-821-K/SYXCN5 are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-821-K/CUXCN5M	VSX-826-K/SYXCN5	VSX-821-K/SYXCN5	Remarks
C	NSP	PCB ASSEMBLIES				
	P74-1	1..MAIN ASSY	7025HK1011010-IL	7025HK1014020-IL	7025HK1011050-IL	
	P74-2	2..MAIN ASSY	70280702710H0-IL	7028070271070-IL	7028070271040-IL	
D	NSP	2..SUBWOOFER ASSY	7028070272070-IL	7028070272080-IL	7028070272080-IL	
	NSP	1..AMP5 ASSY	7025HK1011017-IL	Not used	7025HK1013017-IL	
	P74-7	2..AMP5 ASSY	7028070241030-IL	Not used	7028070241010-IL	
E	NSP	1..AMP7 ASSY	Not used	7025HK1014026-IL	Not used	
	P74-7	2..AMP7 ASSY	Not used	7028070251060-IL	Not used	
	NSP	1..VIDEO ASSY	7025HK1011016-IL	7025HK1014027-IL	7025HK1011056-IL	
F	P74-9	2..VIDEO ASSY	7028070261060-IL	7028070261080-IL	70280702610A0-IL	
	NSP	1..CPU ASSY	7025HK1011011-IL	7025HK1014024-IL	7025HK1011051-IL	
	P74-10	2..CPU ASSY	7028070221030-IL	7028070221080-IL	70280702210D0-IL	
G	P74-13	2..STANDBY ASSY	7028070225030-IL	7028070225080-IL	7028070225090-IL	
	NSP	1..FRONT ASSY	7025HK1011013-IL	7025HK1014023-IL	7025HK1014023-IL	
	P74-14	2..FRONT ASSY	7028070211050-IL	7028070211060-IL	7028070211060-IL	
H	NSP	1..AUDIO ASSY	7025HK1011014-IL	7025HK1014021-IL	7025HK1011024-IL	
	P74-19	2..AUDIO ASSY	7028070181030-IL	7028070181060-IL	7028070181080-IL	
I	NSP	1..USB ASSY	7025HK1014012-IL	7025HK1011015-IL	7025HK1011015-IL	
	P74-20	2..USB ASSY	7028070201050-IL	7028070201030-IL	7028070201030-IL	
	NSP	1..D-MAIN ASSY	7025HK1011012-IL	7025HK1014028-IL	7025HK1011052-IL	
J	P74-21	2..D-MAIN ASSY	7028070191030-IL	7028070191060-IL	7028070191071-IL	
		PACKING SECTION				
	P71-1	Remote Control (AXD7621)	8300762100010-IL	Not used	Not used	
K	P71-1	Remote Control (AXD7622)	Not used	8300762200010-IL	8300762200010-IL	
	P71-6	Operating Instructions (En/Frca/Es)	5707000004990-IL	Not used	Not used	
	P71-6	Operating Instructions (En/Fr/Es/De/It/Nl/Ru)	Not used	5707000005000-IL	5707000005000-IL	
L		Operating Instructions (CD-ROM)	Not used	6517000000140-IL	6517000000140-IL	
	P71-7	Box, Gift	60072118200G0-IL	60072118200M0-IL	60072118200L0-IL	
		AC Power Cord	Not used	L068250160020-IL	L068250160020-IL	
M	NSP	Warranty Card EU	Not used	ARY7127	ARY7127	

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Service Manual



VSX-821-K

ORDER NO. 
RRV4167

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-821-K

VSX-921-K

VSX-521-K

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
VSX-821-K	CUXCNSM	AC 120 V	
VSX-921-K	UXCNCB	AC 120 V	
VSX-521-K	CUXCNSM	AC 120 V	



For details, refer to "Important Check Points for good servicing".

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K-IZV MAR. 2011 Printed in Japan

(1) EXTERIOR SECTION (for VSX-821-K, VSX-921-K) PARTS LIST

Mark No.	Description	Part No.	Mark No.	Description	Part No.
A	1 MAIN Assy	See Contrast table (2)	46 Plate		4470212096000-IL
	2 SUBWOOFER Assy	7028070272070-IL	47 Plate		4470212066000-IL
	3 GUIDE L Assy	7028070273070-IL	48 Sheet		1217211472000-IL
	4 GUIDE R Assy	7028070274070-IL	49 Panel		See Contrast table (2)
	5 WIRE GUIDE A Assy	7028070276070-IL	50 Window		5077213113020-IL
	6 WIRE GUIDE B Assy	7028070277070-IL	51 Window		5077213123050-IL
	7 AMP Assy	See Contrast table (2)	52 Button		5090213741100-IL
	8 BT Assy	7028070231010-IL	53 Button		5090214561000-IL
	9 VIDEO Assy	See Contrast table (2)	54 Button		5090214571000-IL
	10 CPU Assy	See Contrast table (2)	55 Badge		XAM3006
B	11 BRIDGE A Assy	7028070222070-IL	56 •••••		
	12 BRIDGE B Assy	7028070223070-IL	57 •••••		
	13 STANDBY Assy	See Contrast table (2)	58 Screw		1500001206010-IL
	14 FRONT Assy	7028070211050-IL	59 Screw		1500001456010-IL
	15 POWER Assy	7028070212050-IL	60 Screw		BBT40P080FTB
	16 MIC Assy	7028070213050-IL	61 Screw, Tap Tite		BSZ30P040FTB
	17 F-VIDEO Assy	7028070214050-IL	62 Screw, Tap Tite		BBZ30P080FTC
	18 HEADPHONE Assy	7028070215050-IL	63 Screw, Tap Tite		BBZ30P080FTB
	19 AUDIO Assy	See Contrast table (2)	64 Screw, Tap Tite		BBT30P100FTB
	20 USB Assy	7028070201050-IL	65 Screw, Tap Tite		BBZ30P180FTC
C	21 D-MAIN Assy	See Contrast table (2)	66 Screw, Tap Tite		B020230063B10-IL
	22 Cord Assy	L068125101710-IL	67 Screw, Tap Tite Assy		B028940101B11-IL
	23 Power Trans	See Contrast table (2)			
	24 Cable, Flat Card 1.0 MM	N711312022480-IL			
	25 Heatsink Assy	See Contrast table (2)			
	26 Semi, TR/GE PNP 2SB	J5011560Y0000-IL			
	27 Semi, TR/GE NPN 2SC	J502396400010-IL			
	28 Semi, TR/GE NPN 2SD	J5032390Y0000-IL			
	29 Bracket	4010056906010-IL			
	30 Screw, Tapping Assy	B018230141H11-IL			
D	31 Screw, Tap Tite	B020030081B10-IL			
	32 Sheet	1210210235000-IL			
	33 Cabinet	3007211846000-IL			
	34 Cover	4317215111000-IL			
	35 Knob	5080212431000-IL			
	36 Sheet	1210211482000-IL			
	37 Chassis Back	See Contrast table (2)			
	38 Foot	4007210391000-IL			
	39 Cushion	4050211385000-IL			
	40 Cushion	4050211605000-IL			
E	41 Cushion	4050211745000-IL			
	42 Cushion	4050212685100-IL			
	43 Support	4070001601010-IL			
	44 Clamp	4330000310000-IL			
	45 Stopper	4380040162010-IL			
F					

T 1/4 D-MAIN ASSY (VSX-821-K: 7028070191030-IL) (VSX-921-K: 7028070191050-IL) (VSX-52

