

Pioneer

Service Manual

ORDER NO.
RRV4062

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-420-S

VSX-420-K

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

Model	Type	Power Requirement	Remarks
VSX-420-S	SYXCN5	AC 220 V to 230 V	
VSX-420-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-519V-K/MYSXCN5	RRV3897	

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

1. CONTRAST OF MISCELLANEOUS PARTS

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

● The Δ 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%).

560 Ω $\rightarrow$ 56 x 10¹ $\rightarrow$ 561 RD1/4PU561J

47k Ω $\rightarrow$ 47 x 10³ $\rightarrow$ 473 RD1/4PU473J

0.5 Ω $\rightarrow$ R50 RN2HR50K

1 Ω $\rightarrow$ 1R0 RS1P1R0K

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

5.62k Ω $\rightarrow$ 562 x 10¹ $\rightarrow$ 5621 RN1/4PC5621F

CONTRAST TABLE

VSX-519V-K/MYSXCN5, VSX-420-S/SYXCN5 and VSX-420-K/SYXCN5 are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-519V-K /MYSXCN5	VSX-420-S /SYXCN5	VSX-420-K /SYXCN5	Remarks
C	NSP P50-22	PCB ASSEMBLIES				No. 71
		1..P.C.B TOTAL ASSY (AMP)	7025HK0811012-IL	7025HK0904012-IL	7025HK0904012-IL	
	NSP P50-61	2..P.C.B SUB ASSY (AMP)	7028067521010-IL	7028067521040-IL	7028067521040-IL	
		1..P.C.B TOTAL ASSY (INPUT)	7025HK0812013-IL	7025HK0904013-IL	7025HK0904013-IL	
	NSP P50-62	2..P.C.B SUB ASSY (INPUT)	7028067531020-IL	7028067531060-IL	7028067531060-IL	
		1..P.C.B TOTAL ASSY (VIDEO)	7025HK0812014-IL	7025HK0904014-IL	7025HK0904014-IL	
	NSP P50-63	2..P.C.B SUB ASSY (VIDEO)	7028067551010-IL	7028067551040-IL	7028067551040-IL	
		1..P.C.B TOTAL ASSY (DSP)	7025HK0812015-IL	7025HK0904015-IL	7025HK0904015-IL	
	NSP P50-64	2..P.C.B SUB ASSY (DSP)	7028067561020-IL	7028067561050-IL	7028067561050-IL	
		2..P.C.B SUB ASSY (REG)	Not used	7028067562010-IL	7028067562010-IL	
D	NSP P50-31	1..P.C.B TOTAL ASSY (HDMI)	7025HK0812024-IL	7025HK0904016-IL	7025HK0904016-IL	
		2..P.C.B SUB ASSY (HDMI)	7028067581060-IL	7028067951010-IL	7028067951010-IL	
	NSP P50-64	1..P.C.B TOTAL ASSY (SPEAKER)	7025HK0812017-IL	7025HK0904017-IL	7025HK0904017-IL	
		2..P.C.B SUB ASSY (SPEAKER)	7028067601030-IL	7028067601060-IL	7028067601060-IL	
	NSP P50-27 P50-24 P50-23 P50-49 P50-48 P50-47	1..P.C.B TOTAL ASSY (MAIN)	7025HK0812010-IL	7025HK0925010-IL	7025HK0925010-IL	
		2..P.C.B SUB ASSY (MAIN)	7028067501020-IL	70280675010F0-IL	70280675010F0-IL	
		2..P.C.B SUB ASSY (GUIDE-L)	7028067502010-IL	70280675020D0-IL	70280675020D0-IL	
		2..P.C.B SUB ASSY (GUIDE-R)	7028067503010-IL	70280675030D0-IL	70280675030D0-IL	
		2..P.C.B SUB ASSY (CNT)	7028067504010-IL	70280675040D0-IL	70280675040D0-IL	
		2..P.C.B SUB ASSY (P/T)	7028067505010-IL	70280675050D0-IL	70280675050D0-IL	
		2..P.C.B SUB ASSY (H/P GUIDE)	7028067506010-IL	70280675060D0-IL	70280675060D0-IL	
E	P47-4 P47-6 P47-9	PACKING SECTION				
		Remote Control	8300753600010-IL	Not used	Not used	
		Remote Control	8300756500011-IL	Not used	Not used	
		Remote Control (AXD7582)	Not used	8300758200010-IL	8300758200010-IL	
	P47-10 P47-20	Box, Gift	6007211340020-IL	60072117000H0-IL	60072117000G0-IL	
		Cushion, Snow	6230212404000-IL	6230212824000-IL	6230212824000-IL	
	P47-10 P47-20	Operating Instructions (En/Fr/Ru)	5707000001920-IL	5707000003980-IL	5707000003980-IL	
		Operating Instructions (It/De/Nl/Es)	5707000002100-IL	5707000003990-IL	5707000003990-IL	
		Sheet	5227000001220-IL	Not used	Not used	
		Sheet	5227000001250-IL	Not used	Not used	
F	P50-1 P50-2	EXTERIOR SECTION				
		Window	5077212673010-IL	5077212673011-IL	5077212673011-IL	
		Pioneer Badge	XAM3006	VAM1129	XAM3006	