

Pioneer

Service Manual

ORDER NO.
RRV4186

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-40

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

Model	Type	Power Requirement	Remarks
VSX-40	UXCNCB	AC 120 V	

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

Model No.	Order No.	Remarks
VSX-821-K/CUXCNSM	RRV4167	VSX-921-K/UXCNCB

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%).

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

VSX-921-K/UXCNCB and VSX-40/UXCNCB are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-921-K/UXCNCB	VSX-40/UXCNCB	Remarks
PCB ASSEMBLIES					
NSP	P74-1	1..MAIN ASSY	7025HK1014010-IL	7025HK1014030-IL	
		2..MAIN ASSY	70280702710G0-IL	70280702710A0-IL	
NSP	P74-10	1..CPU ASSY	7025HK1014014-IL	7025HK1014034-IL	
		2..CPU ASSY	7028070221070-IL	7028070221090-IL	
NSP	P74-14 P74-15	1..FRONT ASSY	7025HK1014013-IL	7025HK1014033-IL	
		2..FRONT ASSY	7028070211050-IL	7028070211070-IL	
NSP	P74-14 P74-15	2..POWER ASSY	7028070212050-IL	7028070212070-IL	
NSP	P74-19	1..AUDIO ASSY	7025HK1014011-IL	7025HK1014031-IL	
		2..AUDIO ASSY	7028070181050-IL	7028070181070-IL	
PACKING SECTION					
NSP	P71-1	Remote Control (AXD7621)	8300762100010-IL	Not used	
	P71-1	Remote Control (AXD7624)	Not used	8300762400010-IL	
	P71-6	Operating Instructions (En/Frca)	5707000004970-IL	Not used	
	P71-6	Operating Instructions (En)	Not used	5707000004980-IL	
	P71-7	Box, Gift	6007211820090-IL	60072118200N0-IL	
NSP		Warranty Card EI	Not used	ARY7007	
EXTERIOR SECTION (for VSX-821-K, VSX-921-K)					
NSP	P74-34	Cover	4317215111000-IL	4317215111010-IL	
	P74-37	Chassis Back	3207213746000-IL	3207213746200-IL	
	P74-38	Foot	4007210391000-IL	4000210391000-IL	
	P74-48	F Input Sheet	1217211472000-IL	1217211472010-IL	
	P74-49	Panel	3067215091010-IL	3067215101000-IL	
NSP	P74-50	Window Display	5077213113020-IL	5077213113030-IL	
	P74-51	Window Display	5077213123050-IL	5077213123040-IL	
	P74-52	Standby Button	5090213741100-IL	5098214551000-IL	
	P74-55	Pioneer Badge	XAM3006	PAM1791	

Notes : For PCB ASSEMBLIES, Refer to "CONTRAST OF PCB ASSEMBLIES".

CONTRAST OF PCB ASSEMBLIES

AF AUDIO ASSY

7028070181050-IL and 7028070181070-IL are constructed the same except for the following:

Mark	Symbol and Description	7028070181050-IL	7028070181070-IL	Remarks
	Q401, Q404	Not used	J522020011210-IL	
	Q429	Not used	J520101411210-IL	

The mounting positions of the additional parts are described in the circuit diagram and PCB diagram of the parent manual.

DF MAIN ASSY

70280702710G0-IL and 70280702710A0-IL are constructed the same except for the following:

Mark	Symbol and Description	70280702710G0-IL	70280702710A0-IL	Remarks
	IC5	Not used	J126781200040-IL	
	D25	Not used	RB551V-30	

The mounting positions of the additional parts are described in the circuit diagram and PCB diagram of the parent manual.

NF FRONT ASSY

7028070211050-IL and 7028070211070-IL are constructed the same except for the following:

Mark	Symbol and Description	7028070211050-IL	7028070211070-IL	Remarks
	Q707-Q709	Not used	J522102371210-IL	
	D8701-D8703 LED,ROUND	K500052009011-IL	K500036001120-IL	
	CN702 CN.WAFER 2mm	L002900042621-IL	L002900062620-IL	
	701-703 SUPPORTER	Not used	4070210245000-IL	

The mounting positions of the additional parts are described in the circuit diagram and PCB diagram of the parent manual.

OF POWER ASSY

7028070212050-IL and 7028070212070-IL are constructed the same except for the following:

Mark	Symbol and Description	7028070212050-IL	7028070212070-IL	Remarks
	Q705	Not used	J522102371210-IL	
	D8704 LED,ROUND	Not used	K500036001120-IL	
	S715 SWITCH	G180501000010-IL	Not used	
	S717 SWITCH	Not used	G180501000010-IL	
	CN9702 CN.WAFER 2.0mm	L101200100420-IL	L101200100620-IL	

The mounting positions of the additional parts are described in the circuit diagram and PCB diagram of the parent manual.

PF CPU ASSY

7028070221070-IL and 7028070221090-IL are constructed the same except for the following:

Mark	Symbol and Description	7028070221070-IL	7028070221090-IL	Remarks
	IC203	8952921000012-IL	8952400000111-IL	
	Q503, Q511, Q524	Not used	J522102411210-IL	
	Q519, Q523	Not used	J5001266G0050-IL	
	Q502	Not used	J520103S00210-IL	
	L509 COIL,BEAD	Not used	D340160833000-IL	
	L504 FERRITE BEAD	Not used	D340160861020-IL	
	L505 FERRITE BEAD	Not used	D340160862410-IL	
	2 CN,WIRE	Not used	L000101010140-IL	
	JA502, JA504, JA505 JACK,D3.5	Not used	G401PJ3080100-IL	

The mounting positions of the additional parts are described in the circuit diagram and PCB diagram of the parent manual.