

Pioneer

Service Manual

ORDER NO.
RRV4439

AV Receiver

VSX-423-K

VSX-423-S

VSX-523-K

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

Model	Type	Power Requirement	Remarks
VSX-423-K	SYXE8	AC 220 V to 230 V	
VSX-423-S	SYXE8	AC 220 V to 230 V	
VSX-423-K	PWVXE8	AC 220 V to 240 V	
VSX-523-K	PWXE	AC 220 V to 240 V	
VSX-523-K	AXQ5	AC 220 V	

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

Model No.	Order No.	Remarks
VSX-523-K/CUXESM	RRV4418	

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

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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 RN2H50K

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-423

VSX-523-K/CUXESM, VSX-423-K/SYXE8, VSX-423-S/SYXE8 and VSX-423-K/PWVXE8 are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-523-K /CUXESM	VSX-423-K /SYXE8	VSX-423-S /SYXE8	VSX-423-K /PWVXE8	Remarks
C	NSP P48-1 P48-12	PCB ASSEMBLIES					
		1..PCB TTL ASSY MAIN	7025HK1211010-IL	7025HK1211020-IL	7025HK1211030-IL	7025HK1211040-IL	
		2..MAIN ASSY	7028073311010-IL	7028073311020-IL	7028073311020-IL	7028073311040-IL	
	NSP P48-6	2..REG ASSY	7028073312010-IL	7028073312020-IL	7028073312020-IL	7028073312020-IL	
		1..PCB TTL ASSY DMAIN	7025HK1211012-IL	7025HK1211022-IL	7025HK1211032-IL	7025HK1211042-IL	
D	NSP P48-9	1..PCB TTL ASSY CPU	7025HK1211013-IL	7025HK1211023-IL	7025HK1211033-IL	7025HK1211043-IL	
		2..CPU ASSY	7028073331010-IL	7028073331020-IL	7028073331020-IL	7028073331040-IL	
	NSP P48-11	1..PCB TTL ASSY AMP5	7025HK1211014-IL	7025HK1211024-IL	7025HK1211034-IL	7025HK1211044-IL	
		1..PCB TTL ASSY FRONT	7025HK1211011-IL	7025HK1211021-IL	7025HK1211031-IL	7025HK1211041-IL	
	NSP Δ P48-11	2..FRONT ASSY	7028073321010-IL	7028073321020-IL	7028073321020-IL	7028073321020-IL	
E	NSP Δ P48-11	1..PCB TTL ASSY SMPS	7025HK1211015-IL	7025HK1211025-IL	7025HK1211035-IL	7025HK1211045-IL	
		2..SMPS ASSY	7028073361010-IL	7028073361020-IL	7028073361020-IL	7028073361040-IL	
	NSP P45-5	PACKING SECTION					
		Quick Start Guide	5707000007800-IL	5707000007820-IL	5707000007820-IL	5707000007820-IL	
	NSP P45-6	Operating Instructions (CD-ROM)	6517000001280-IL	6517000001300-IL	6517000001300-IL	6517000001300-IL	
		Operating Instructions_VSX-523 (En) (pdf)	ARB7517	Not used	Not used	Not used	
	NSP	Operating Instructions_VSX-523 (Frc) (pdf)	ARC8192	Not used	Not used	Not used	
	NSP	Operating Instructions_VSX-523 (Es) (pdf)	ARC8193	Not used	Not used	Not used	
	NSP	Operating Instructions_VSX-323/423 (En) (pdf)	Not used	ARB7520	ARB7520	ARB7520	
	NSP	Operating Instructions_VSX-323/423 (Fr) (pdf)	Not used	ARC8197	ARC8197	ARC8197	
	NSP	Operating Instructions_VSX-323/423 (De) (pdf)	Not used	ARC8198	ARC8198	ARC8198	
	NSP	Operating Instructions_VSX-323/423 (It) (pdf)	Not used	ARC8199	ARC8199	ARC8199	
	NSP	Operating Instructions_VSX-323/423 (Es) (pdf)	Not used	ARC8200	ARC8200	ARC8200	
	NSP	Operating Instructions_VSX-323/423 (Nl) (pdf)	Not used	ARC8201	ARC8201	ARC8201	
	NSP	Operating Instructions_VSX-323/423 (Ru) (pdf)	Not used	ARC8202	ARC8202	ARC8202	
F	NSP	Operating Instructions_VSX-823 (En) (pdf)	ARB7518	Not used	Not used	Not used	
	NSP	Operating Instructions_VSX-823 (Frc) (pdf)	ARC8194	Not used	Not used	Not used	
	NSP	Operating Instructions_VSX-823 (Es) (pdf)	ARC8195	Not used	Not used	Not used	
	NSP	Operating Instructions_VSX-528/828 (En) (pdf)	Not used	ARB7521	ARB7521	ARB7521	
	NSP	Operating Instructions_VSX-528/828 (Fr) (pdf)	Not used	ARC8203	ARC8203	ARC8203	
F	NSP	Operating Instructions_VSX-528/828 (De) (pdf)	Not used	ARC8204	ARC8204	ARC8204	
	NSP	Operating Instructions_VSX-528/828 (It) (pdf)	Not used	ARC8205	ARC8205	ARC8205	
	NSP	Operating Instructions_VSX-528/828 (Es) (pdf)	Not used	ARC8206	ARC8206	ARC8206	

9.2 EXTERIOR SECTION

A

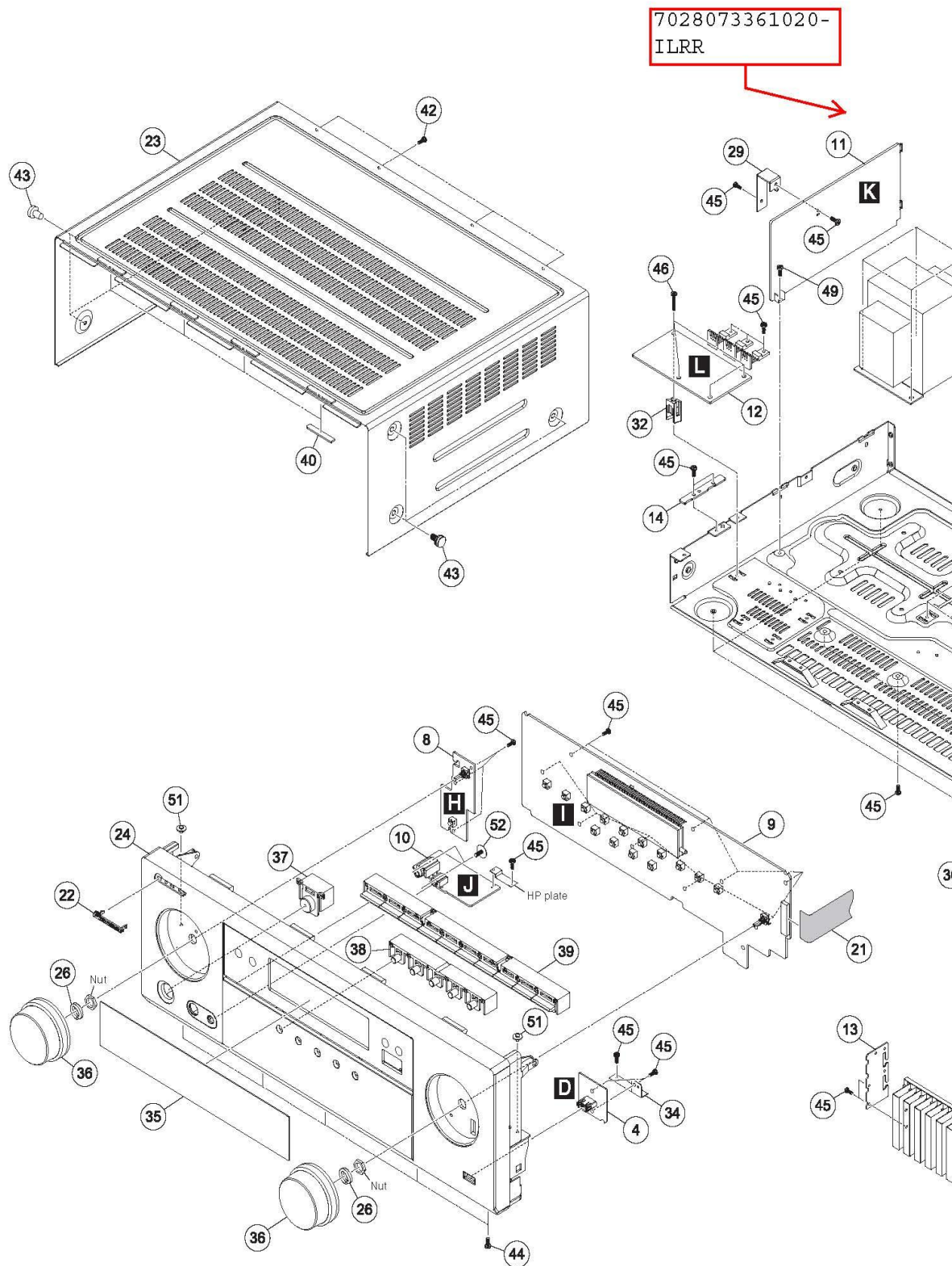
B

C

D

E

F



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