

Pioneer

Service Manual

ORDER NO.
RRV4530

AV Receiver

VSX-824-K

VSX-529-K

VSX-529-S

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

Model	Type	Power Requirement	The voltage can be converted by the following method.
VSX-824-K	SYXEV8	AC 220 V to 230 V	-----
VSX-529-K	SYXEV8	AC 220 V to 230 V	-----
VSX-529-S	SYXEV8	AC 220 V to 230 V	-----
VSX-824-K	DLXEV	AC 110 V to 127 V/220 V to 240 V	With the voltage selector
VSX-824-K	FXEV	AC 110 V to 127 V/220 V to 240 V	With the voltage selector
VSX-824-K	AXEV5	AC 220 V	-----

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

Model No.	Order No.	Remarks
VSX-824-K/CUXEVSM	RRV4520	
VSX-824-K, VSX-1024-K, VSX-1029-K, VSX-44, VSA-824	RRV4526	SCHEMATIC DIAGRAM, PCB CONNECTION DIAGRAM, PCB PARTS LIST

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

PIONEER CORPORATION 1-1, Shin-ogura, Saiwai-ku, Kawasaki-shi, Kanagawa 212-0031, Japan
PIONEER ELECTRONICS (USA) INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A.
PIONEER EUROPE NV Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 253 Alexandra Road, #04-01, Singapore 159936
©PIONEER CORPORATION 2014

K-ZZZ JUNE 2014 Printed in Japan

1

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 RD1/4PU561J
47kΩ → 47 x 10³ → 473 RD1/4PU473J
0.5Ω → R50 RN2HR50K
1Ω → 1R0 RS1P1R0K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).
5.62kΩ → 562 x 10¹ → 5621 RN1/4PC5621F

CONTRAST TABLE

VSX-824-K/SYXEV8, VSX-529-K/SYXEV8 and VSX-529-S/SYXEV8

VSX-824-K/CUXEVSM, VSX-824-K/SYXEV8, VSX-529-K/SYXEV8 and VSX-529-S/SYXEV8 are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-824-K /CUXEVSM	VSX-824-K /SYXEV8	VSX-529-K /SYXEV8	VSX-529-S /SYXEV8	Remarks
C	NSP	PCB ASSEMBLIES					
	P76-1	1..PCB TTL ASSY MAIN	7025HK1310010	7025HK1310090	7025HK1310030	7025HK1310040	
	P76-2	2..MAIN Assy	7028074511010	7028074511030	7028074511030	7028074511030	
	P76-2	2..REG Assy	7028074512010	7028074512030	7028074512030	7028074512030	
	NSP	1..PCB TTL ASSY DMAIN	7025HK1310011	7025HK1310091	7025HK1310031	7025HK1310041	
	P76-4	2..DMAIN Assy	7028074571010	7028074571030	7028074571050	7028074571050	
	NSP	1..PCB TTL ASSY FRONT	7025HK1310012	7025HK1310092	7025HK1310032	7025HK1310042	
	P76-5	2..FRONT Assy	7028074521010	7028074521030	7028074521030	7028074521030	
	NSP	1..PCB TTL ASSY CPU	7025HK1310013	7025HK1310093	7025HK1310033	7025HK1310043	
	P76-10	2..CPU Assy	7028074531010	7028074531030	7028074531020	7028074531020	
D	NSP	1..PCB TTL ASSY AMP5	7025HK1310014	7025HK1310094	7025HK1310034	7025HK1310044	
	NSP	1..PCB TTL ASSY SMPS	7025HK1310015	7025HK1310095	7025HK1310035	7025HK1310045	
	Δ P76-16	2..SMPS Assy	702807336104A	702807336101A	702807336101A	702807336101A	
	NSP	1..PCB TTL ASSY FHDMI	7025HK1310016	7025HK1310096	7025HK1310036	7025HK1310046	
	P76-17	2..FHDMI Assy	7028074581010	7028074581030	7028074581030	7028074581030	
	NSP	1..PCB TTL ASSY BT	7025HK1310017	Not used	7025HK1310037	7025HK1310047	
	P76-18	2..BT Assy	70280732110H0	Not used	70280732110H0	70280732110H0	
	NSP	1..PCB TTL ASSY IN BT	Not used	7025HK1310097	Not used	Not used	
	P76-18	2..INNER BT Assy	Not used	7028074551020	Not used	Not used	
	NSP	PACKING SECTION					
E	P73-5	Operating Instructions (CD-ROM)	6517000001710S	6517000001750S	6517000001750S	6517000001750S	
	NSP	Operating Instructions_VSX-1024 (En)(pdf)	ARB7543	Not used	Not used	Not used	
	NSP	Operating Instructions_VSX-1024 (Fra)(pdf)	ARC8299	Not used	Not used	Not used	
	NSP	Operating Instructions_VSX-1024 (Es)(pdf)	ARC8300	Not used	Not used	Not used	
	NSP	Operating Instructions_VSX-424 (En)(pdf)	Not used	ARB7549	ARB7549	ARB7549	
	NSP	Operating Instructions_VSX-424 (Fr)(pdf)	Not used	ARC8315	ARC8315	ARC8315	
	NSP	Operating Instructions_VSX-424 (Es)(pdf)	Not used	ARC8316	ARC8316	ARC8316	
	NSP	Operating Instructions_VSX-424 (De)(pdf)	Not used	ARC8317	ARC8317	ARC8317	
	NSP	Operating Instructions_VSX-424 (It)(pdf)	Not used	ARC8318	ARC8318	ARC8318	
	NSP	Operating Instructions_VSX-424 (Nl)(pdf)	Not used	ARC8319	ARC8319	ARC8319	
F	NSP	Operating Instructions_VSX-424 (Ru)(pdf)	Not used	ARC8320	ARC8320	ARC8320	

3.3 PCB LOCATIONS

VSX-824-K

OPTCO ASSY

SMPS ASSY

MAIN ASSY

NTC ASSY

WG ASSY

G-L ASSY

REG ASSY

HPMIC ASSY

INSEL ASSY

BT ASSY

DMAIN ASSY

CPU ASSY

CONCT ASSY

AMP5 ASSY

HDC-G ASSY

G-R ASSY

FHDMI ASSY

FRONT ASSY

7028074521030

VSX-1024-K, VSX-1029-K, VSX-44

OPTCO ASSY

SMPS ASSY

MAIN ASSY

WG ASSY

NTC ASSY

G-L ASSY

HPMIC ASSY

INSEL ASSY

BT ASSY

DMAIN ASSY

CPU ASSY

BRIDG ASSY

AMP7 ASSY

CPU-G ASSY

FHDMI ASSY

FRONT ASSY

BT CNT ASSY

VIDEO ASSY

AUDIO ASSY

5

6

VSX-824-K

7

8