

Service Manual

ORDER NO.
RRV1779

AUDIO/VIDEO STEREO RECEIVER

VSX-536S

VSX-436

- Refer to the service manual RRV1769 for VSX-806RDS/
HYXJI.

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

Type	Model		Power Requirement	The voltage can be converted by the following method
	VSX-536S	VSX-436		
HLXJI	○	○	AC220-230V	AC240V, *
YPWXJI	○	○	AC240V	_____

* : Alter the wiring of the Power-supply block at the primary winding of power transformer referring to the "Line Voltage Selection" described in Service Manual.

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.
- Ref. No.: Numbers following P and hyphen (-) indicate the page(s) and location number(s) in the RRV1769 service manual, respectively.
- 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 $\rightarrow 56 \times 10^1 \rightarrow 561$ RD1/4PU $\boxed{5}\boxed{6}\boxed{1}$ J

47 k $\rightarrow 47 \times 10^3 \rightarrow 473$ RD1/4PU $\boxed{4}\boxed{7}\boxed{3}$ J

0.5 $\rightarrow R50$ RN2H $\boxed{R}\boxed{5}\boxed{0}$ k

1 $\rightarrow 1R0$ RS1P $\boxed{1}\boxed{R}\boxed{0}$ K

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

5.62 k $\rightarrow 562 \times 10^1 \rightarrow 5621$ RN1/4PC $\boxed{5}\boxed{6}\boxed{2}\boxed{1}$ F

■ CONTRAST TABLE

VSX-536S/HLXJI, YPWXJI, VSX-436/HLXJI, YPWXJI and VSX-806RDS/HYXJI have the same construction except for the following :

Ref. No.	Mark	Symbol & Description	Part No.					Remarks
			VSX-806RDS	VSX-536S		VSX-436		
				HYXJI	HLXJI	YPWXJI	HLXJI	
P3-1	NSP	PACKING	VEM-013	Not used	Not used	VEM-013	VEM-013	*
P3-1	NSP	Dry Cell Battery (R6P, AA)	Not used	AEX1007	AEX1007	Not used	Not used	
P3-3		Alkaline Dry Cell Battery (LR6, AA)	ARE7100	Not used	Not used	Not used	Not used	
		Operating Instructions (English/French/German/Italian)						
P3-3		Operating Instructions (English)	Not used	ARB7101	ARB7101	ARB7101	ARB7101	
		Sub Instruction Manual (ISC) (Remote Control Unit) (English)	Not used	ARH7015	ARH7015	Not used	Not used	
P3-5	NSP	Warranty Card	ARY7009	Not used	PRY1003	Not used	PRY1003	
P3-8		Operating Instructions (Dutch/Swedish/Spanish/Portuguese)	ARC7163	Not used	Not used	Not used	Not used	
P3-8		Operating Instructions (Chinese)	Not used	ARC7147	Not used	ARC7147	Not used	
P3-9		Remote Control Unit (CU-VSX118)	AXD7129	Not used	Not used	Not used	Not used	
P3-9		Remote Control Unit (CU-VSX115)	Not used	AXD7124	AXD7124	Not used	Not used	
P3-9		Remote Control Unit (CU-VSX121)	Not used	Not used	Not used	AXD7130	AXD7130	
P3-12		Packing Case	AHD7405	AHD7407	AHD7407	AHD7406	AHD7406	
P3-15		Battery Cover	AZA7219	AZN7327	AZN7327	AZA7219	AZA7219	
P6-18	⚠	EXTERIOR						
P6-23		AC Power Cord	ADG7016	ADG7016	ADG1159	ADG7016	ADG1159	
		Rear Panel	ANC7537	ANC7541	ANC7542	ANC7539	ANC7540	
		FRONT PANEL SECTION						
P7-3	NSP	FRONT & R/C AMP ASSY	AWK7356	AWK7401	AWK7401	AWK7358	AWK7358	
P7-11		LFL/U-COM ASSY	AWZ8625	AWZ8846	AWZ8846	AWZ8632	AWZ8632	
P7-12		FL Filter	AAK7297	AAK7294	AAK7294	AAK7294	AAK7294	
P7-12		Sub Panel	AAP7027	AAP7028	AAP7028	AAP7028	AAP7028	
P7-13		Front Panel	AMB7422	AMB7424	AMB7424	AMB7423	AMB7423	

NOTE *: Refer to "2. REMOTE CONTROL UNIT".

FL/U-COM ASSY

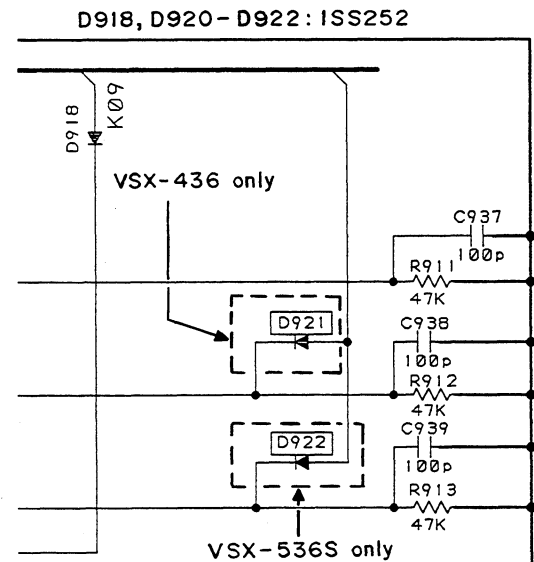
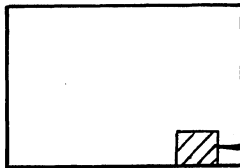
AWZ8846, AWZ8632 and AWZ8625 have the same construction except for the following :

Mark	Symbol & Description	Part No.			Remarks
		AWZ8625	AWZ8846	AWZ8632	
	IC951	SAA6579	Not used	Not used	
	Q951	KRC101M	Not used	Not used	
	Q952	2SA1115	Not used	Not used	
	Q953	2SC1740S	Not used	Not used	
	D921	Not used	Not used	1SS252	*
	D922	Not used	1SS252	Not used	*
	L951	LAU2R2J	Not used	Not used	
	C951	CCCCH820J50	Not used	Not used	
	C952	CCCCH470J50	Not used	Not used	
	C953, C959	CEAS101M10	Not used	Not used	
	C954, C958	CGCYX103M16	Not used	Not used	
	C955	CKCYB561K50	Not used	Not used	
	C956	CEAS2R2M50	Not used	Not used	
	C957	CEAS1R0M50	Not used	Not used	
	R951	RD1/4PU473J	Not used	Not used	
	R952, R953	RD1/4PU222J	Not used	Not used	
	R954, R956	RD1/4PU102J	Not used	Not used	
	R955	RD1/4PU104J	Not used	Not used	
	R957	RD1/4PU333J	Not used	Not used	
	X951 CRYSTAL RESONATOR (4.332 MHz)	ASS7004	Not used	Not used	
	S917	ASG1034	Not used	Not used	

NOTE *: Refer to **AF**.

■ SCHEMATIC DIAGRAM

AF FL/U-COM ASSY
(AWZ8846: VSX-536S)
(AWZ8632: VSX-436)

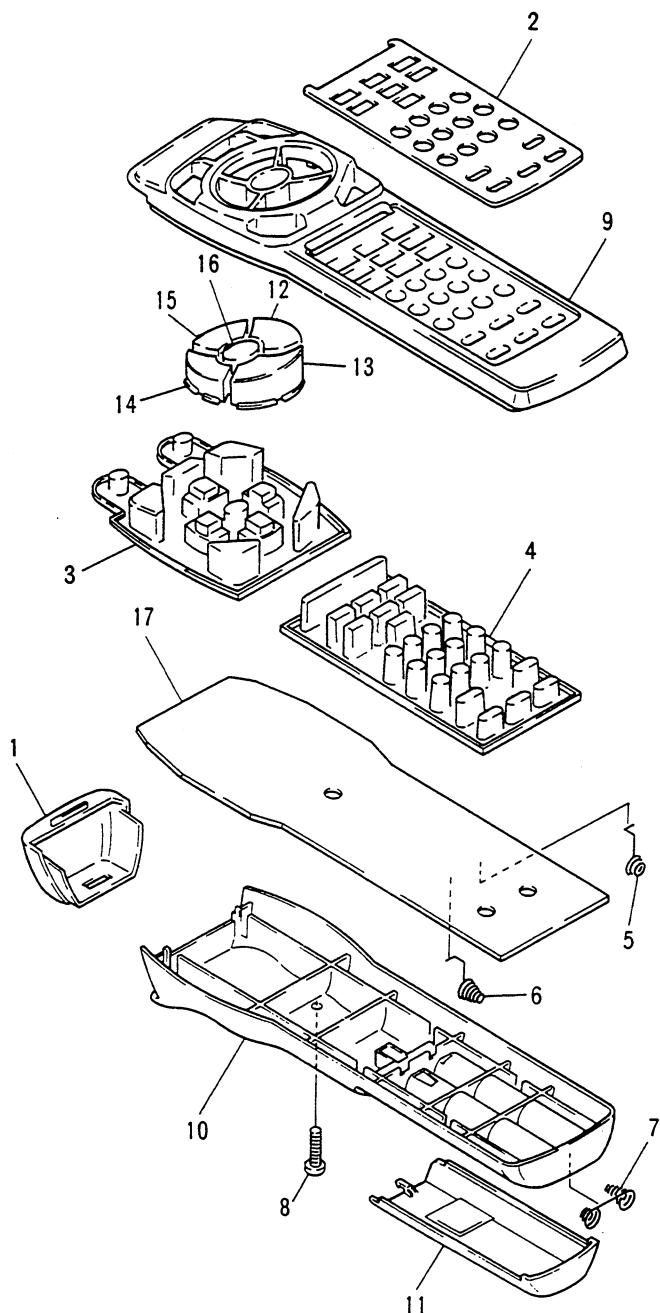


2. REMOTE CONTROL UNIT [CU-VSX115 (AXD7124)] (for VSX-536S)

2.1 EXPLODED VIEWS AND PARTS LIST

NOTES:

- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
- The $\triangle$ 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.



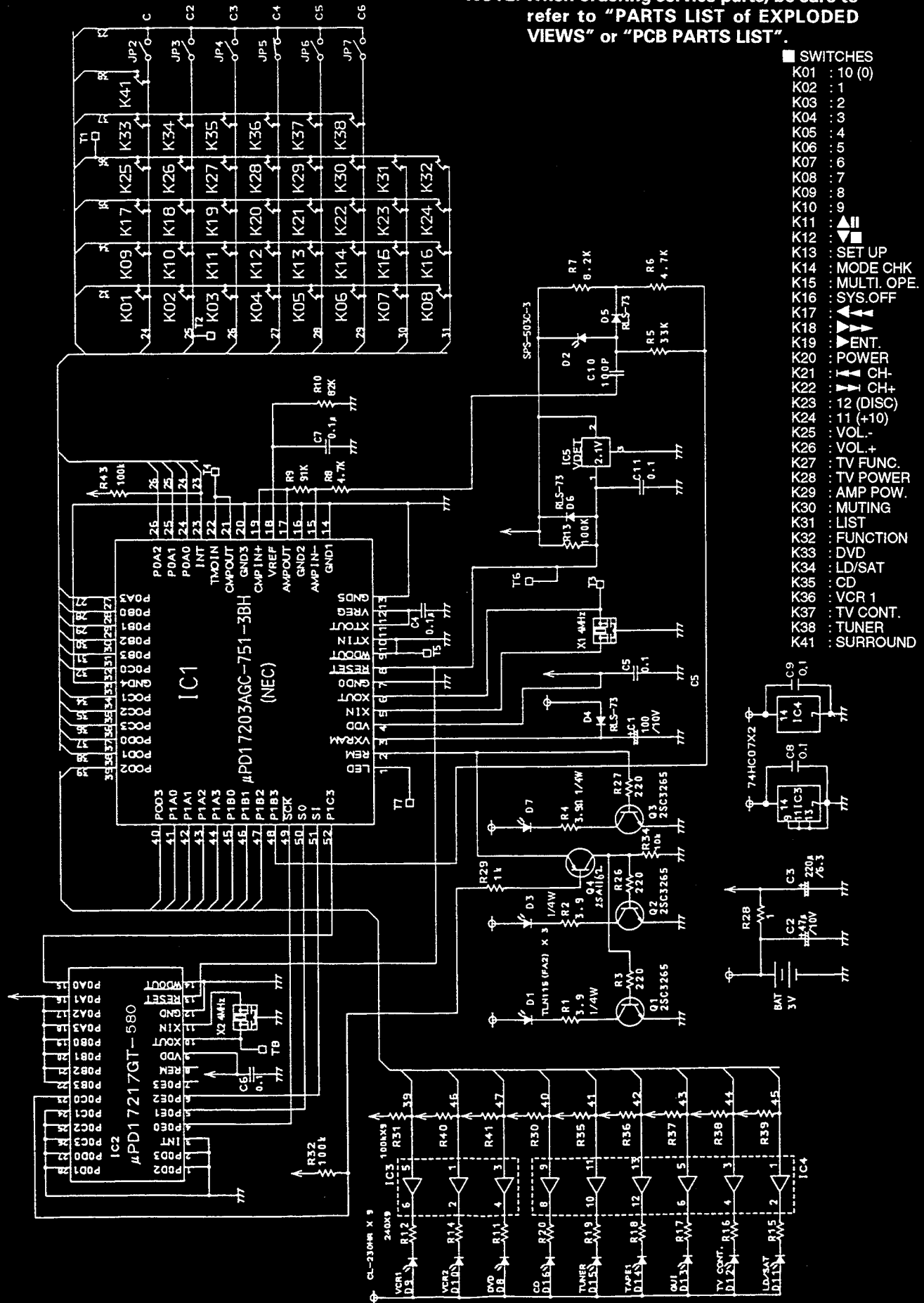
■ Parts List

Mark	No.	Description	Part No.
	1	Filter	AZA7152
	2	Name plate	AZA7242
	3	Rubber sheet (A)	AZA7236
	4	Rubber sheet (B)	AZA7243
	5	Spring (+)	AZB7049
	6	Spring (-)	AZB7050
	7	Spring	AZB7051
	8	Screw	AZB7052
	9	Remo-con case (A)	AZN7672
	10	Remo-con case (B)	AZN7326
	11	Battery cover	AZN7327
	12	Main key (FF)	AZN7666
	13	Main key (STOP)	AZN7329
	14	Main key (REV)	AZN7665
	15	Main key (PAUSE)	AZN7331
NSP	16	Main key (PLAY)	AZN7664
	17	PCB	AZW7243

2.2 SCHEMATIC AND PCB DIAGRAM

■ SCHEMATIC DIAGRAM

NOTE: When ordering service parts, be sure to refer to "PARTS LIST of EXPLODED VIEWS" or "PCB PARTS LIST".



■ PCB DIAGRAM



2.3 PCB PARTS LIST

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

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Mark	No.	Description	Part No.
SEMICONDUCTORS			
	IC1		AZC7275
	IC2		AZC7274
	IC3, IC4		TC74HC07AF
	IC5		RH5VA21AA
	Q4-Q6		2SA1037K
	Q1-Q3		2SC3265
	D1, D3, D7		SE1003-C
	D2		SPS-503C-3
	D8-D20 LED		CL-230HR-CD
	D4 - D6		RLS-73
CAPACITORS			
	C2		CEAS470M10
	C4-C7, C11		CKSQYB104K25
	C3		CEAS221M6R3
	C1		CEAS101M6R3
	C8 -C10		CCSQCH101J50
RESISTORS			
	R2001, R2002		RS1/8S0R0J
	R1, R2, R4		RS1/8S3R9J
	Other Resistors		RS1/10S□□□J
OTHERS			
	X1, X2	RESONATOR (4MHz)	KBR-4.0M

