

Service Manual

ORDER NO.
RRV1771

AUDIO/VIDEO STEREO RECEIVER

VSX-04

●Refer to the service manual RRV1713 for VSX-456/KUXJI.

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

Type	Model	Power Requirement	Remarks
	VSX-04		
KUXJI/CA	○	AC120V	

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.
- 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 $\rightarrow 56 \times 10^1 \rightarrow 561$ RD1/4PU $\boxed{561} J$

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

0.5 Ω $\rightarrow R50$ RN2H $\boxed{R50} K$

1 Ω $\rightarrow 1R0$ RS1P $\boxed{1R0} K$

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

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

CONTRAST OF VSX-04/KUXJI/CA.

VSX-04/KUXJI/CA and VSX-456/KUXJI have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		VSX-456/KUXJI	VSX-04/KUXJI/CA	
NSP	MOTHER ASSY	AWK7341	AWK7337	
	INPUT ASSY	AWZ8609	AWZ8604	
NSP	FRONT & R/C AMP ASSY	AWK7333	AWK7338	
	FL/U-COM ASSY	AWZ8594	AWZ8605	
NSP	FRONT INPUT ASSY	AWZ8596	AWZ8639	
NSP	R/C SPEAKER ASSY	AWZ8597	Not used	
NSP	COMPLEX ASSY	AWK7334	AWK7339	
NSP	FRONT SP ASSY	Not used	AWZ8500	No.1
NSP	VIDEO/SR ASSY	AWZ8601	AWZ8607	
NSP	ELITE ASSY	Not used	AWK7340	
	R/C SP (ELITE) ASSY	Not used	AWZ8608	No.2
	Jog Knob	AAB7048	AAB7121	
	Round Knob S	AAB7106	AAB7120	
	Tuner Button	AAD7326	Not used	
	Door Panel	Not used	AAK7348	No.7
	PVC Panel	Not used	AAK7355	No.8
	Sub Panel	AAP7023	AAP7030	
	Screw	Not used	ABA1007	No.11
	Screw	Not used	ABA7023	No.10
	Plate Spring	Not used	ABK7011	No.3
NSP	Alkaline Dry Cell Battery (LR6, AA)	Not used	AEX1007	
NSP	Dry Cell Battery (R6P, AA)	VEM-013	Not used	
	Packing Case	AHD7356	AHD7401	
	Mini Jack	Not used	AKN7002	For VIDEO/SR ASSY Refer to $\square$
	Front Panel	AMB7389	AMB7420	
	Foot Assy	Not used	AMR2633	
	Insulator Assy	DXA1490	Not used	
	Insulator	PNW1912	Not used	
	Door Hinge L	Not used	AMR7171	No.4
	Door Hinge R	Not used	AMR7172	No.5
	Rear Panel	ANC7478	ANC7531	
	Door Plate	Not used	ANG7123	No.9
	Operating Instructions (English)	ARB7089	ARB7097	
	Sub Instruction Manual (ISC) (English)	Not used	ARH7015	
NSP	Warranty Card	ARY1051	Not used	

Mark	Symbol & Description	Part No.		Remarks
		VSX-456/KUXJI	VSX-04/KUXJI/CA	
NSP ▲	Warranty Card EL	Not used	ARY7007	No.6
	Power Transformer (AC120V)	ATS7164	ATS7165	
	Damper Assy	Not used	AXA7046	
	Remote Control Unit (CU-VSX113)	AXD7119	Not used	
	Remote Control Unit (CU-VSX115)	Not used	AXD7124	
	Battery Cover	AZA7123	AZN7327	

Note : The numbers in the remarks column correspond to the numbers on the exploded diagram, Refer to "EXPLODED VIEWS".

COMPLEX ASSY

— VIDEO/SR ASSY
— PRIMARY ASSY

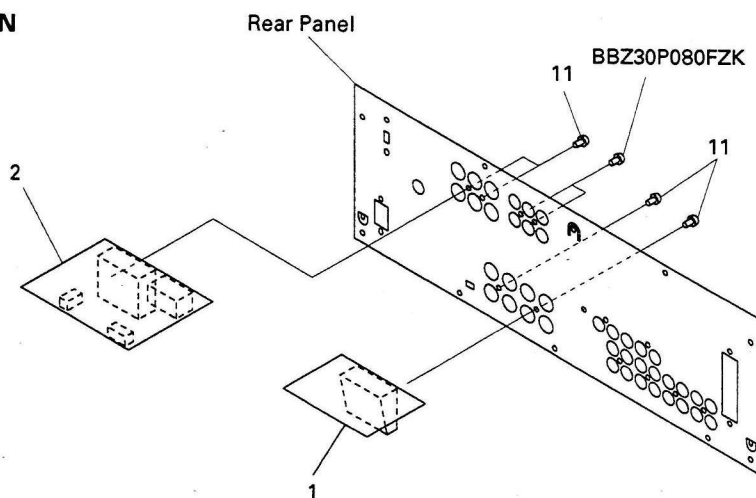
VOLUME ASSY
PRO LOGIC ASSY
FRONT SP ASSY

ELITE ASSY

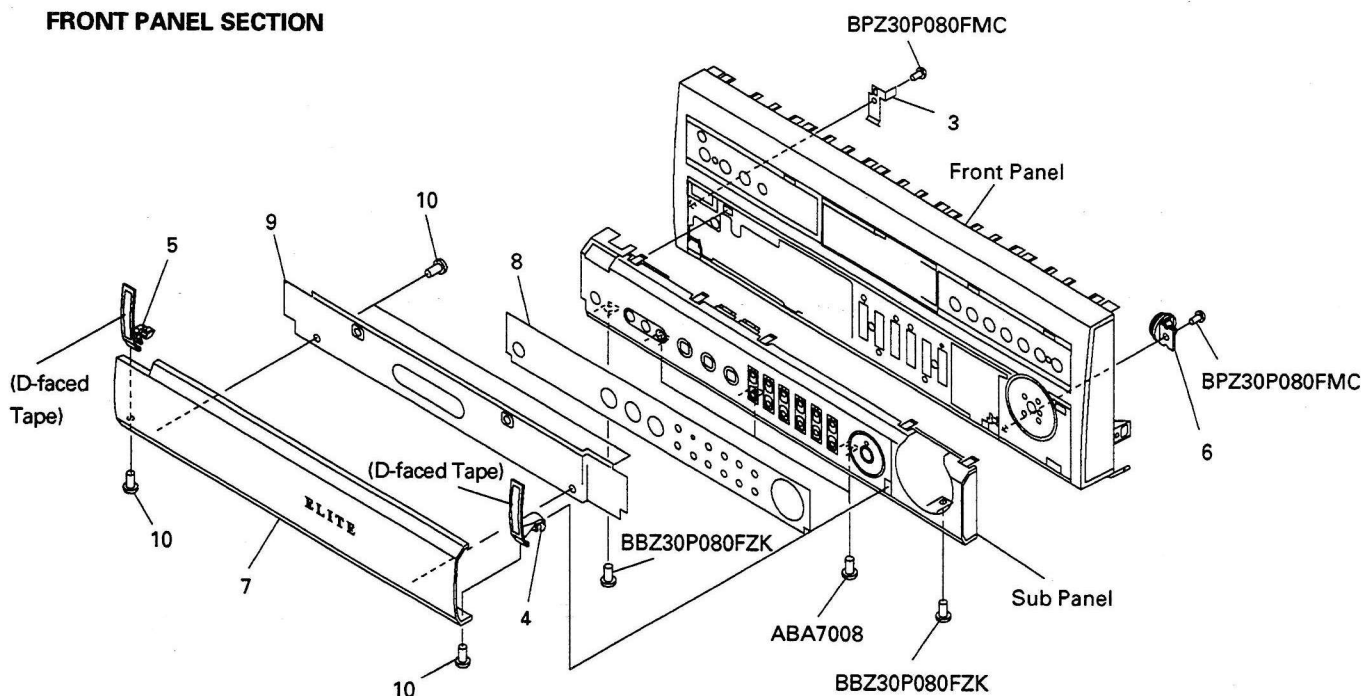
— R/C SP (ELITE) ASSY

EXPLODED VIEWS

EXTERIOR SECTION



FRONT PANEL SECTION



INPUT ASSY

AWZ8604 and AWZ8609 have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8609	AWZ8604	
	Q403, Q404 Q405—Q408 Q409 Q410, Q411 D409—D412	Not used Not used Not used Not used Not used	2SC2878 2SK246 KRA103M KRC103M 1SS252	
	C495 R465, R468 R466, R467 R469, R470 R473, R474	CGCYX104M12 Not used Not used Not used Not used	CGCYX104M16 RD1/4PU102J RD1/4PU223J RD1/4PU122J RD1/4PU472J	
	CN201 SPEAKER TERMINAL 8-P CN404 PIN JACK (4P) CN404 PIN JACK (6P)	AKE7006 AKB7015 Not used	Not used Not used AKB7012	
NSP	CN203 CONNECTOR (6P)	Not used	KPD6	
NSP	CN220 CONNECTOR (4P)	KPD4	Not used	
NSP	J26 JUMPER WIRE CABLE HOLDER (8P)	Not used Not used	DYY08-100-2651 51052-0800	

FL/U-COM ASSY

AWZ8605 and AWZ8594 have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8594	AWZ8605	
	D922 S918 S922 R927—R929 VR1901, VR1902 (100kΩ)	Not used Not used ASX7001 Not used ACS7020	1SS252 ASG1034 ASX7009 RD1/4PU102J ACS7021	
NSP	VR1903 (500kΩ x 1) J13 JUMPER WIRE	ACS1016 D15A07-600-2651	ACS7022 D15A12-600-2651	

VIDEO/SR ASSY

AWZ8607 and AWZ8601 have the same construction except for the following :

Mark	Symbol & Description	Part No.		Remarks
		AWZ8601	AWZ8607	
	IC1853	Not used	NJM78L05A	
	Q1801	Not used	2SA933S	
	Q1851	Not used	2SC1740S	
	D1801, D1802	Not used	1SS252	
	D1803, D1804	Not used	1SS254	
	C1851	Not used	CEAS470M25	
	C1852	Not used	CEAS471M6R3	
	C1861	Not used	CEAS101M16	
	C1862	Not used	CKCYF103Z50	
	C1863	Not used	CEAS101M10	
	R1801, R1802	Not used	RD1/4PU224J	
	R1803, R1805, R1855	Not used	RD1/4PU102J	
	R1804, R1852	Not used	RD1/4PU103J	
	R1851	Not used	RD1/4PU680J	
	R1853	Not used	RD1/4PM331J	
	CN802 CONNECTOR (7P)	KPE7	Not used	
	CN802 CONNECTOR (12P)	Not used	KPE12	
	PIN JACK (3P)	Not used	AKB7018	
	PIN JACK (2P)	AKB7016	Not used	

PCB PARTS LIST

Mark	No.	Description	Parts No.
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EF FRONT SP ASSY**OTHERS**

	CABLE HOLDER 4P	51052-0400
CN1201	SPEAKER TERMINAL 8P	AKE7036

CF R/C SP (ELITE) ASSY**SEMICONDUCTORS**

	Q151	2SC1740S
	Q161-Q163	2SC2878
	D151, D152	1SS252

COILS AND FILTERS

	L154-L156 (0.7μH)	ATH1004
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SWITCHES AND RELAYS

	RY151, RY152	ASR7001
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CAPACITORS

	C161, C163, C165	CFTXA473J50
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RESISTORS

Δ	R183-R185	RD1/4PMF100J
	R186-R188	RS1LMF100J
	Other Resistors	RD1/4PU□□□□

Mark	No.	Description	Parts No.
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OTHERS

	CABLE HOLDER 6P	51052-0600
CN152	PIN JACK 6P	AKB7084
CN151	SPEAKER TERMINAL 6P	AKE7037

FF FRONT INPUT ASSY**RESISTORS**

	R3991, R3992	RS2LMF331J
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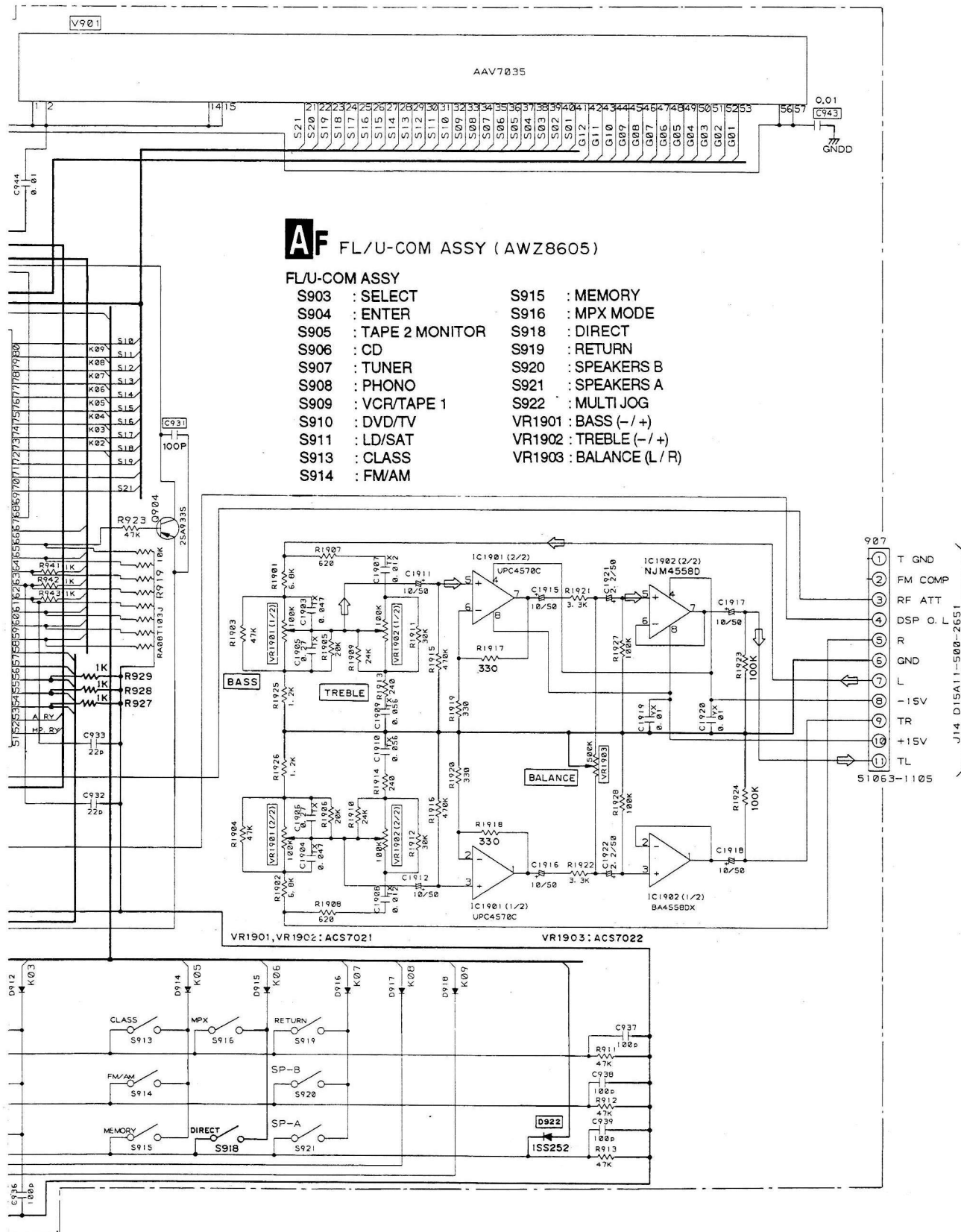
OTHERS

CN3991	HEADPHONE JACK	AKN7001
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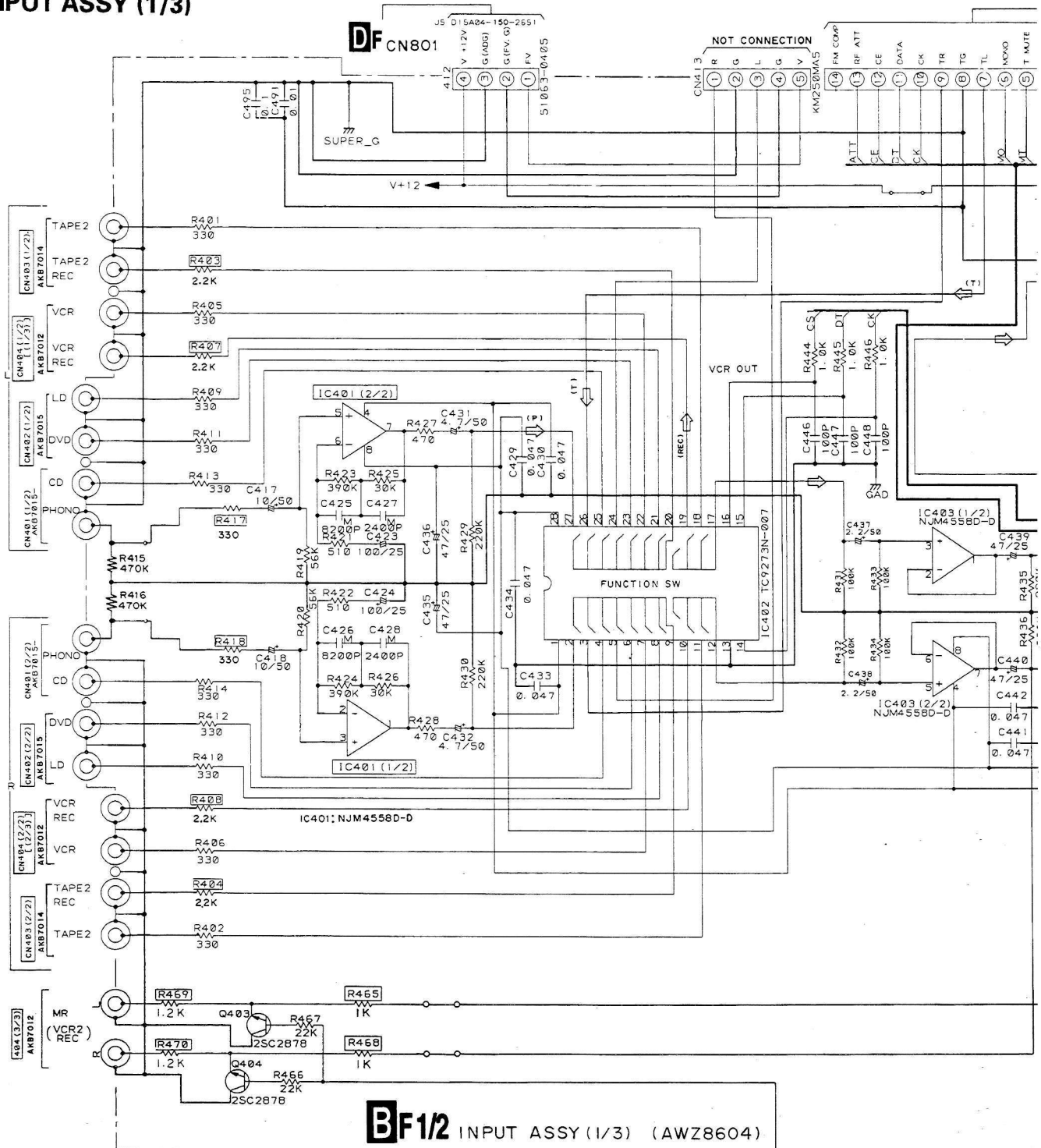
**NOTE: When ordering service parts, be sure to refer to
"PARTS LIST of EXPLODED VIEWS" or "PCB
PARTS LIST".**

⇒:AUDIO SIGNAL ROUTE

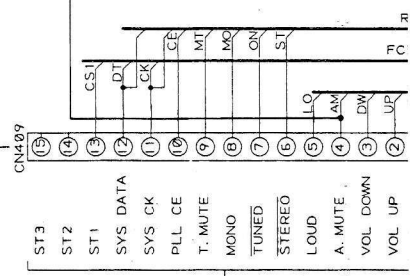
BF1/2 CN409



2.2 INPUT ASSY (1/3)

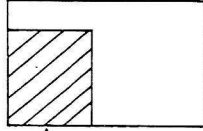


- ⇒: AUDIO SIGNAL ROUTE
- (SL)⇒: AUDIO SIGNAL ROUTE (REAR)
- (C)⇒: AUDIO SIGNAL ROUTE (CENTER)
- (T)⇒: AUDIO SIGNAL ROUTE (TUNER)
- (P)⇒: AUDIO SIGNAL ROUTE (PHONO)
- (REC)⇒: AUDIO SIGNAL ROUTE (REC)

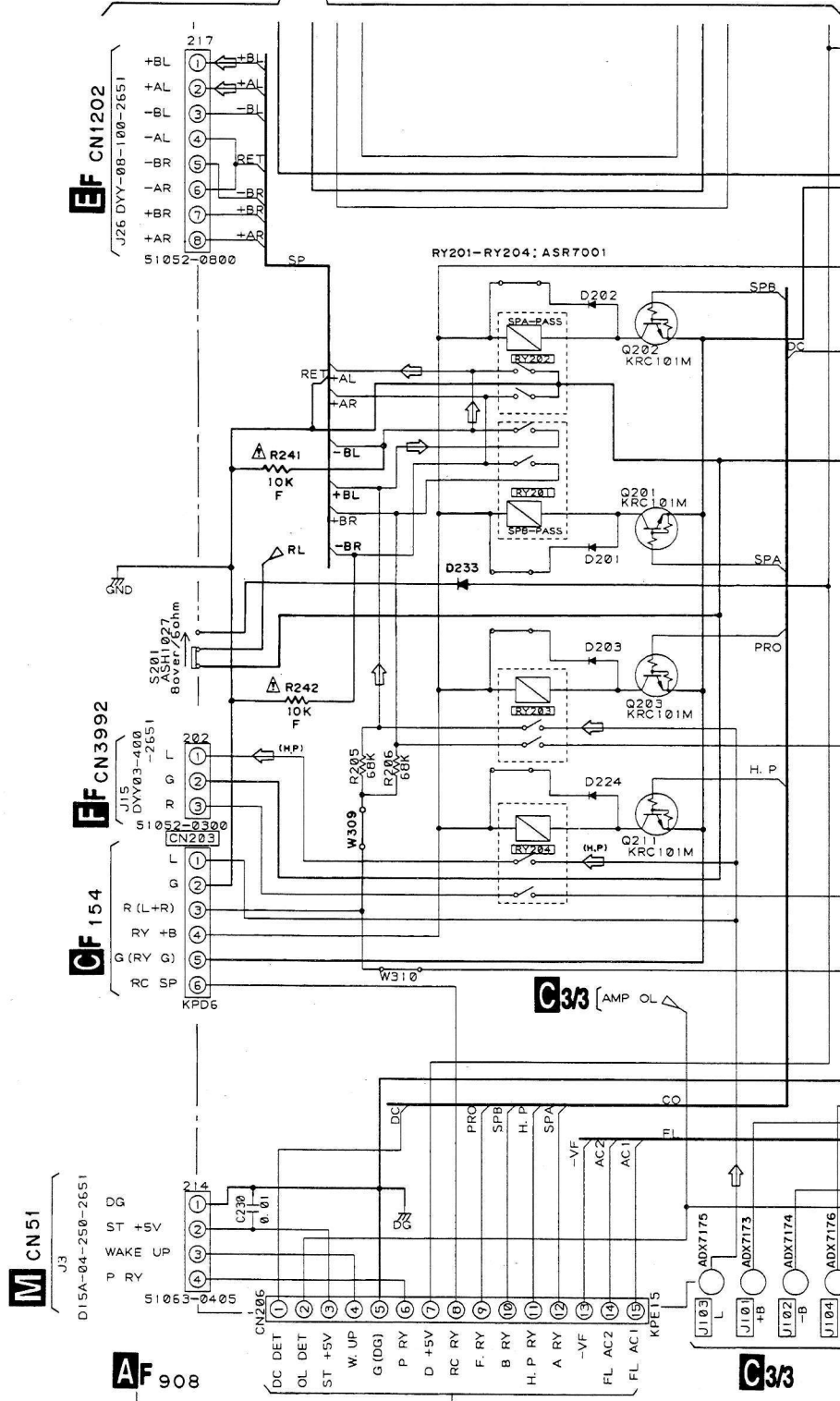




2.3 INPUT ASSY (2/3)

BF2/2INPUT ASSY (2/3)
(AWZ8604)

- For the schematic diagram, only the differences compared with VSX-456/KUXJI

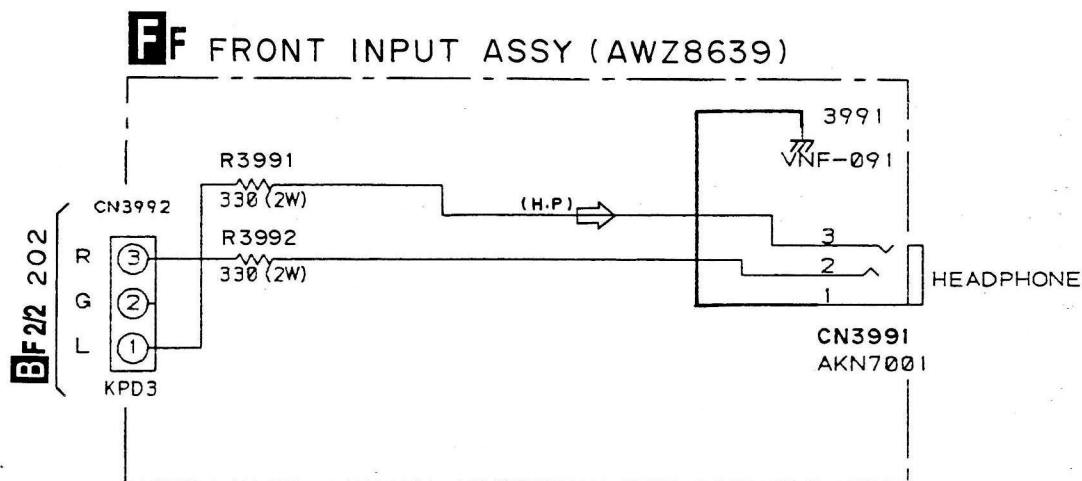
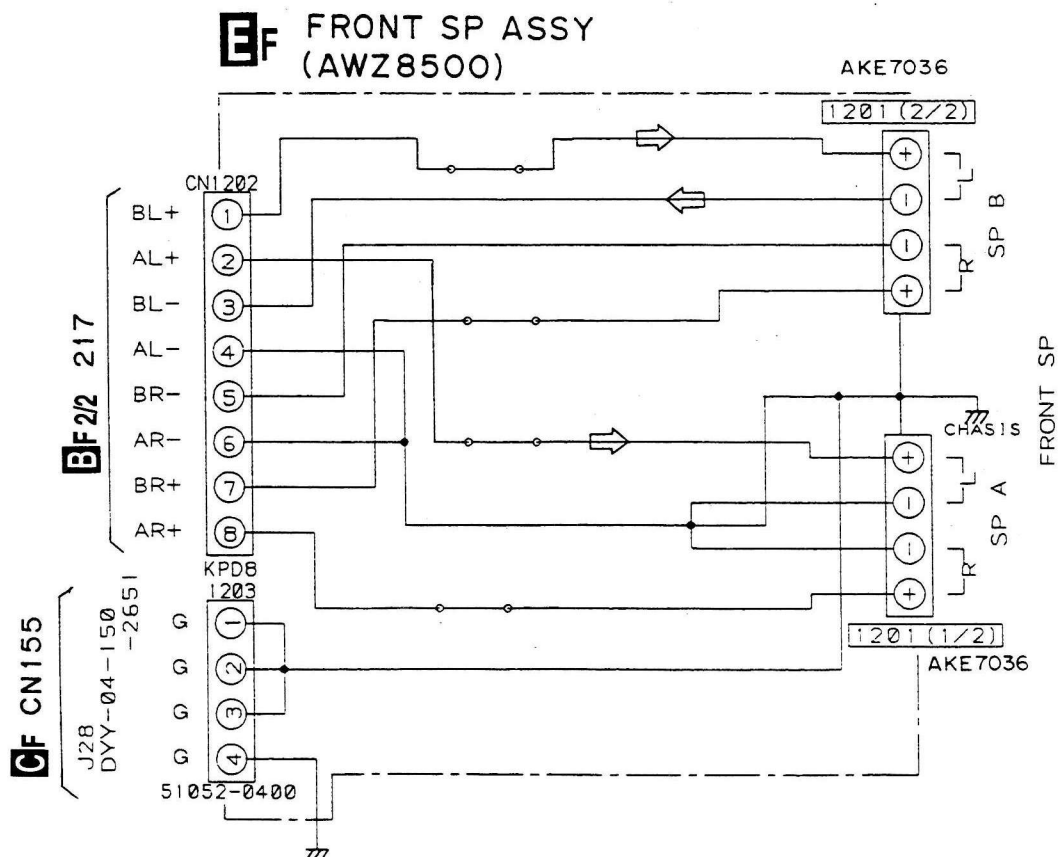


CF R/C SP (ELITE) ASSY
(AWZ8608)



2.6 FRONT SP ASSY AND FRONT INPUT ASSY

(H.P)⇒: AUDIO SIGNAL ROUTE (HEADPHONE)
 ⇒: AUDIO SIGNAL ROUTE



3. PCB CONNECTION DIAGRAM

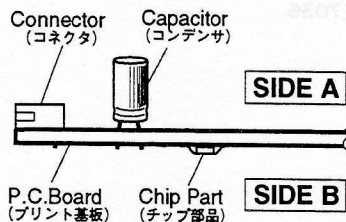
3.1 FRONT INPUT ASSY, FRONT SP ASSY AND R/C SP (ELITE) ASSY

NOTE FOR PCB DIAGRAMS:

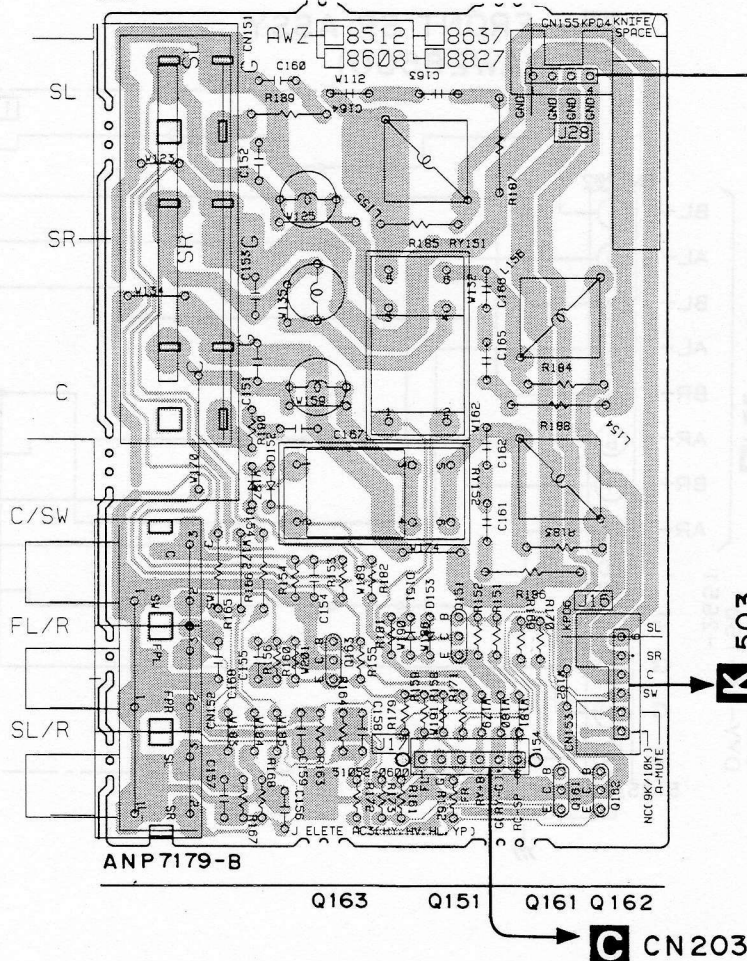
1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor
		Resistor array
		3-terminal regulator

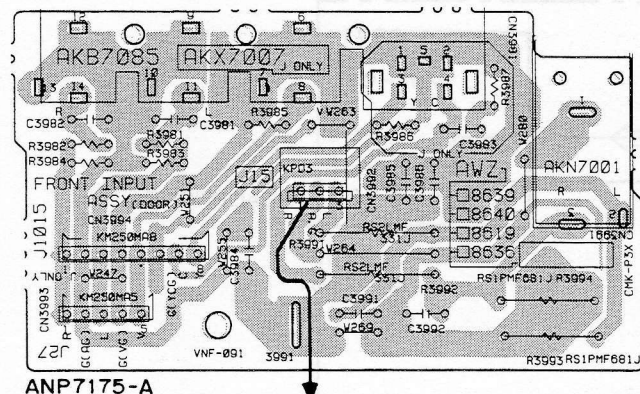
3. The parts mounted on this PCB include all necessary parts for several destinations.
For further information for respective destinations, be sure to check with the schematic diagram.
4. Viewpoint of PCB diagrams



CF R/C SP (ELITE) ASSY



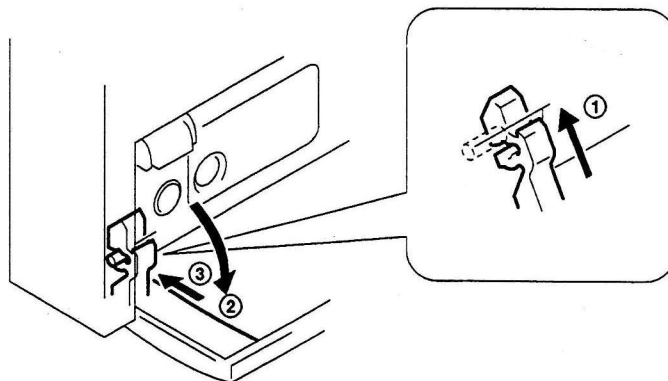
FF FRONT INPUT ASSY



4. GENERAL INFORMATION

4.1 ATTACHING THE DOOR PANEL

- ① Slide the Door Panel slantways.
- ② Rotate it so that it is horizontal.
- ③ Push it straight in.



- ④ Move it downwards a little, and push in with bending it.

