

**Pioneer**

# Service Manual

ORDER NO.  
RRV2366

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

# VSX-D939TX

**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-D939TX		
HL	○	AC220-230V	AC240V, *
LB	○	AC110V	_____

\* : 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.

● **This service manual should be used together with the following manual(s):**

Model No.	Order No.	Remarks
VSX-37TX/KU/CA	RRV2295	

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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  $\Delta$  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  $\blacktriangledown$  mark on product are used for disassembly.
  - Reference 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  $\rightarrow$  56 x 10<sup>1</sup>  $\rightarrow$  561 ..... RD1/4PU  $\boxed{5}\boxed{6}\boxed{1}\boxed{J}$   
 47k  $\rightarrow$  47 x 10<sup>3</sup>  $\rightarrow$  473 ..... RD1/4PU  $\boxed{4}\boxed{7}\boxed{3}\boxed{J}$   
 0.5  $\rightarrow$  R50 ..... RN2H  $\boxed{R}\boxed{5}\boxed{0}\boxed{K}$   
 1  $\rightarrow$  1R0 ..... RS1P  $\boxed{1}\boxed{R}\boxed{0}\boxed{K}$

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

5.62k  $\rightarrow$  562 x 10<sup>1</sup>  $\rightarrow$  5621 ..... RN1/4PC  $\boxed{5}\boxed{6}\boxed{2}\boxed{1}\boxed{F}$

## ■ CONTRAST TABLE

VSX-D939TX/HL, LB and VSX-37TX/KU/CA are constructed the same except for the following :

Ref. No.	Mark	Symbol and Description	Part No.			Remarks
			VSX-37TX /KU/CA	VSX-D939TX /HL	VSX-D939TX /LB	
<b>ASSEMBLIES</b>						
P5- 5	NSP	MAIN ASSY	AWK7641	AWK7647	AWK7646	No. 1
P5-12		└ MAIN CONTROL ASSY	AWX7706	AWX7712	AWX7711	
		└ VIDEO ASSY	AWX7394	AWX7677	AWX7677	
P5- 2	NSP	COMPLEX ASSY	AWK7522	AWK7529	AWK7543	
P5- 3		└ EXTERNAL IN ASSY	AWX7398	AWX7413	AWX7413	
P5- 4		└ A- PINJACK ASSY	AWX7397	AWX7412	AWX7412	
P5- 9		└ CONNECTION ASSY	AWX7313	AWX7347	AWX7347	
		└ REGULATOR ASSY	AWX7310	AWX7832	AWX7832	
P5-10		└ TRANS 1 ASSY	AWX7316	AWX7316	Not used	
P5-10		└ TRANS 1/LB ASSY	Not used	Not used	AWX7447	
P5-11		└ TRANS 2-2 ASSY	AWX7366	AWX7518	AWX7518	
P5-15		└ PRIMARY ASSY	AWX7311	AWX7345	AWX7429	
P5-14	NSP	FRONT/VAMP ASSY	AWK7656	AWK7661	AWK7661	
P9- 2		└ VOLUME ASSY	AWX7367	Not used	Not used	
P9- 3		└ DISPLAY ASSY	AWX7698	AWX7703	AWX7703	
		└ ROTARY ENCODER ASSY	AWX7328	AWX7726	AWX7726	
P5- 6	NSP	POWER/CURRENT ASSY	AWK7651	AWK7655	AWK7654	
P5- 8		└ TRANS 2-1 ASSY	AWX7694	AWX7696	AWX7696	
		└ SP/PS ASSY	AWX7688	AWX7693	AWX7692	
<b>PACKING SECTION</b>						
P3- 2		FM Wire Antenna	ADH7007	ADH7010	ADH7011	
P3- 3		Operating Instructions (English)	ARB7231	ARB7235	ARB7235	
P3- 3		Operating Instructions (Chinese)	Not used	ARC7321	ARC7321	
P3- 4		Remote Control Unit	AXD7257	AXD7279	AXD7279	
P3- 9		Packing Case	AHD7881	AHD7889	AHD7889	
P3-12	NSP	Warranty Card	ARY1026	Not used	Not used	
<b>EXTERIOR SECTION</b>						
P5-20	$\Delta$	AC Power Cord	ADG7028	VDG1063	ADG7023	
P5-21	$\Delta$	Power Transformer (T1)	ATS7252	ATS7253	Not used	
P5-21	$\Delta$	Power Transformer (T1) (AC110V)	Not used	Not used	ATS7255	
P5-22		FM/AM TUNER Unit	AXX7046	AXX7048	AXX7047	
P5-23	$\Delta$	Fuse (FU1 : T4A)	VEK1029	AEK-514	Not used	
P5-23	$\Delta$	Fuse (FU1 : 10A)	VEK1029	Not used	DEK1045	
P5-24	$\Delta$	Fuse (FU4 : T2A)	REK1079	AEK-511	AEK-511	
P5-25	$\Delta$	Fuse (FU5 : T2A)	REK1079	AEK-511	AEK-511	

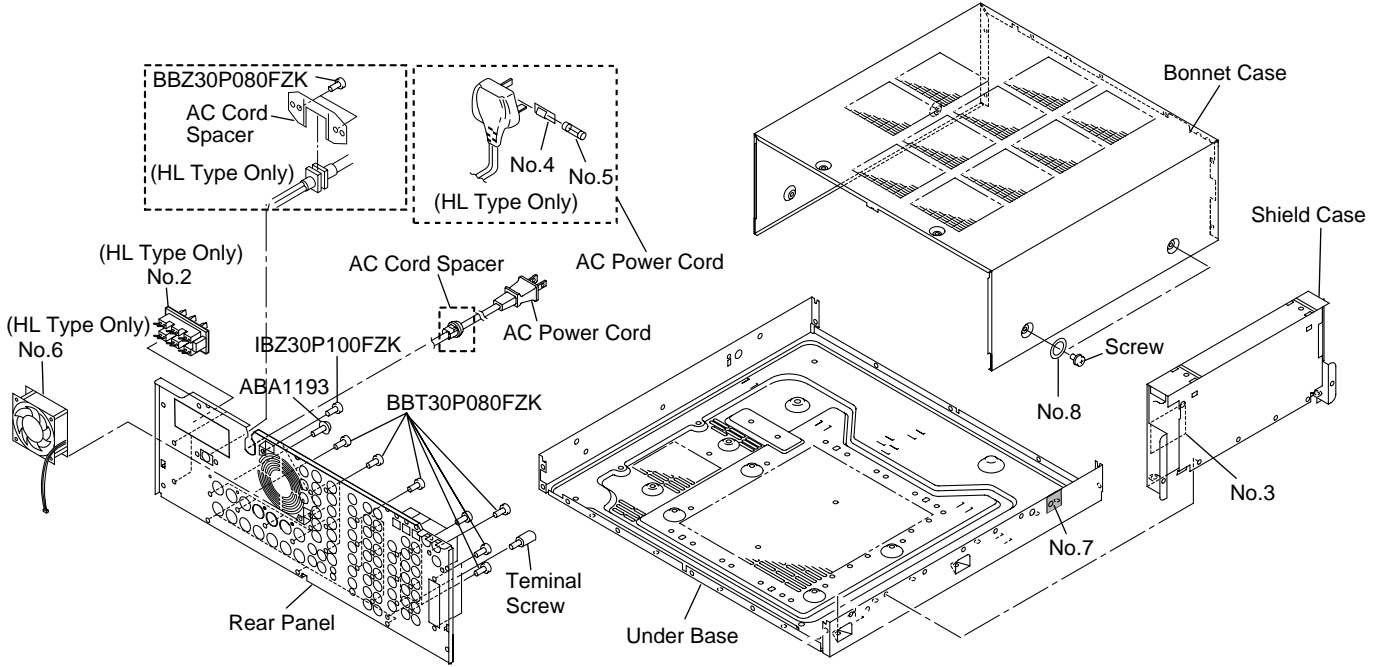
Ref. No.	Mark	Symbol and Description	Part No.			Remarks
			VSX-37TX /KU/CA	VSX-D939TX /HL	VSX-D939TX /LB	
P5-26		AC Cord Spacer	ANG1153	ANG7281	Not used	
P5-26		Cord Stopper	Not used	CM-22B	CM-22C	
P5-27		Bonnet Case	AZN7789	AZN7861	AZN7865	
P5-54		Rear Panel	ANC7944	ANC7954	ANC7955	
P5-58		Side Escutcheon L	AAK7633	AAK7662	AAK7662	
P5-59		Side Escutcheon R	AAK7634	AAK7663	AAK7663	
	△	AC Socket 3P	Not used	AKP-502	Not used	No. 2
		Sheet	Not used	AED7035	AED7035	No. 3
		Fuse Holder	Not used	VKR1003	Not used	No. 4
	△	Fuse (T5A)	Not used	PEK1003	Not used	No. 5
		Fan Motor	Not used	AXM7012	Not used	No. 6
		Acetate Tape	Not used	AEH7013	AEH7013	No. 7
		Washer	Not used	WA42N100W050	WA42N100W050	No. 8
<b>HEAT SINK SECTION</b>						
P7- 9	NSP	Heat Sink	ANH7103	ANH7103	ANH7102	
P7- 12	NSP	Power Supply Plate	ANG7280	ANG7240	ANG7240	
	△	Thermistor	Not used	AEX7004	Not used	No. 9
<b>FRONT PANEL SECTION</b>						
P9- 4		Door Hinge L	AMR7252	AMR7325	AMR7325	
P9- 5		Door Hinge R	AMR7253	AMR7326	AMR7326	
P9- 7		Door Panel	AMB7722	ANB7239	ANB7239	
P9- 9		Door Plate	AAH7024	Not used	Not used	
P9-10		Door Sheet	AAK7789	AAH7069	AAH7069	
P9-11		Display Panel	AAK7625	AAK7792	AAK7792	
P9-12		Function Lens 27	AAK7628	Not used	Not used	
P9-13		Power Button	AAD7440	AAD7485	AAD7485	
P9-14		MR Button	AAD7514	Not used	Not used	
P9-18		Lead Card 08P (J19)	ADD7168	Not used	Not used	
P9-20		Damper Assy	AXA7078	AXA7076	AXA7076	
P9-21		Sub Panel	AMB7622	ANB7207	ANB7207	
P9-22		Volume Ring	AAK7623	AAH7016	AAH7016	
P9-24		Door Cushion	AEB7152	AEB7153	AEB7153	
P9-25		Front Panel	AMB7717	ANB7238	ANB7238	
P9-27		Name Plate	PAN1376	PAN1377	PAN1377	
P9-29		FL Sheet	AAK7627	AAK7805	AAK7805	
P9-30		Volume Knob (MASTER)	AAB7194	AAB7210	AAB7210	
P9-31		Rotary Knob (INPUT SELECTOR)	AAB7221	AAB7209	AAB7209	
P9-38		Panel Base	AMB7570	AMB7572	AMB7572	
		POWER Button MG	Not used	AAD7491	AAD7491	No. 10
		Earth Spring	Not used	ABH7172	AAD7172	No. 11

Notes : ●The numbers in the remarks column correspond to the numbers on the “EXPLODED VIEWS”.

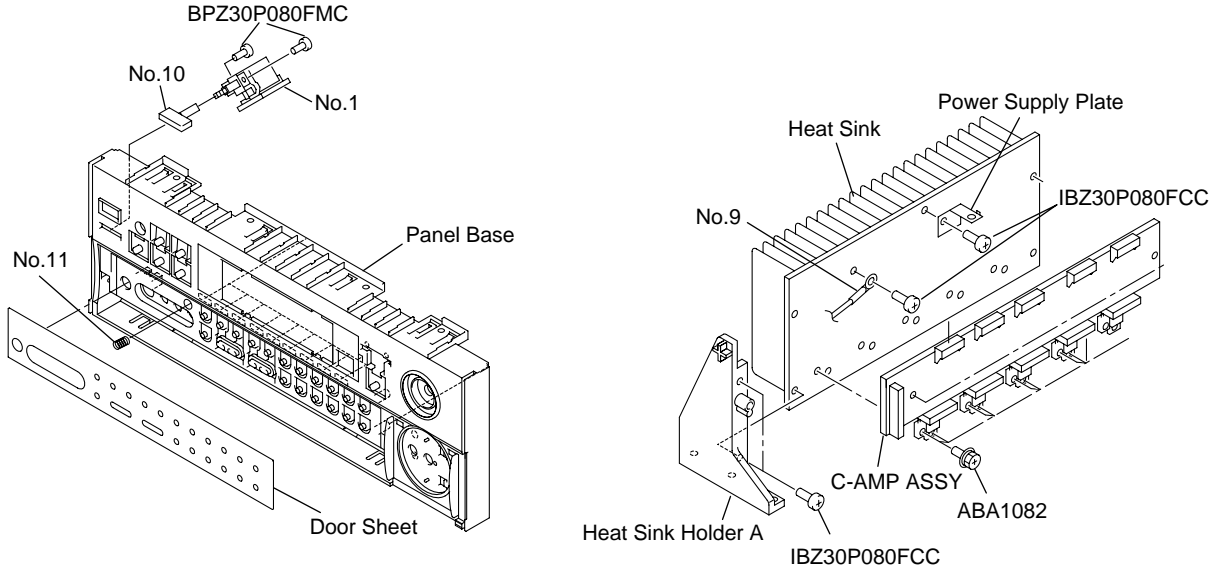
- For PCB ASSEMBLIES, Refer to “CONTRAST OF PCB ASSEMBLIES”, “2. PCB CONNECTION DIAGRAM” and “3. SCHEMATIC DIAGRAM”.

# VSX-D939TX

## ■ EXPLODED VIEWS ● EXTERIOR SECTION



## ● FRONT PANEL and HEAT SINK SECTIONS



## ■ CONTRAST OF PCB ASSEMBLIES

### **BF** A-PINJACK ASSY

AWX7412 and AWX7397 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7397	AWX7412	
	C1001-C1006,C1009,C1010,C1013,C1014 C1007,C1008,C1011,C1012,C1015- C1018 R1017, R1018	Not used Not used Not used	CCCSL271J50 CCCSL101J50 RD1/4PU101J	

**AF EXTERNAL IN ASSY**

AWX7413 and AWX7398 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7398	AWX7413	
	C1101- C1106	Not used	CCCSL271J50	

**CF CONNECTION ASSY**

AWX7347 and AWX7313 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7313	AWX7347	
	C1301- C1306 C1353, C1354 C1355, C1356 C1365, C1366 L1351- L1354 R1353, R1354	Not used Not used Not used CEAT101M16 Not used RD1/4PU331J	CCCSL680J50 CCCSL181J50 CKCYB331K50 CEAT101M25 LAU181J RD1/4PU122J	

**DF MAIN CONTROL ASSY**

AWX7712, AWX7711 and AWX7706 are constructed the same except for the following :

Mark	Symbol and Description	Part No.			Remarks
		AWX7706	AWX7712	AWX7711	
	IC102 IC109 IC110 IC115 IC901  Q113, Q114 D201, D202 D251, D252 D253 C101- C106, C183- C188  C113, C114 C131, C132, C253, C254 C141, C142, C145- C150 C143, C144 C252  C155, C156, C165, C166 C175, C176 C960, C961 R109 R110  R129, R130 R135, R136, R923, R926, R928 R131, R132 R133, R134, R141- R144 R934- R936, R986, R987  R207- R211, R252, R253 R145, R146 R254 R251 R255  R325- R330, R333, R334 R370, R996 R924, R925, R927 R923, R926 JA931	BU4052BCF NJM4558MD M62429FP Not used PD5589A  2SC2878 UDZS5.1B Not used Not used Not used Not used  Not used Not used CEAT100M50 CKSQYB103K50 Not used  Not used Not used CCSQCH101J50 RD1/2VM391J RS1/10S472J  RS1/10S104J RS1/10S103J RS1/10S471J RS1/10S102J RS1/10S102J  Not used RS1/10S473J Not used Not used Not used  RS1/10S0R0J Not used Not used Not used Not used VKB1060	Not used Not used Not used NJM4558LD PD5596A  Not used Not used 1SS355 UDZS5.1B CCSQCH221J50  CCSQCH331J50 CKSQYB103K50 Not used Not used CEAT470M16  CCSQCH101J50 CCSQCH101J50 Not used Not used Not used  Not used RS1/10S104J Not used RS1/10S102J RS1/10S474J RS1/10S393J  Not used RS1/10S0R0J RS1/10S103J Not used Not used	Not used Not used Not used Not used PD5596A  Not used Not used Not used Not used CCSQCH221J50  CCSQCH331J50 Not used Not used Not used Not used CCSQCH101J50 CCSQCH101J50 Not used Not used Not used  Not used Not used Not used Not used Not used  Not used Not used Not used Not used Not used  Not used Not used Not used RS1/10S103J Not used	

**J F TRANS 2-1 ASSY**

AWX7696 and AWX7694 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7694	AWX7696	
△	C4501, C4503, C4511 (1μF/100V) D4513 Q4503- Q4505	ACH1237 Not used Not used	Not used MTZJ16B DTA143ES	
△	R4501, R4503, R4511	RFA1/4PS100J	Not used	

**L F SP / PS ASSY**

AWX7693, AWX7692 and AWX7688 are constructed the same except for the following :

Mark	Symbol and Description	Part No.			Remarks
		AWX7688	AWX7693	AWX7692	
△	IC3001 Q3005 Q3501 Q3502- Q3505 Q3506	Not used Not used Not used Not used Not used	AEK7007 DTA124ES 2SC4793 DTC124ES 2SA992	Not used DTA124ES Not used Not used Not used	
△	D3052, D3054, D3056, D3058, D3060 D3503, D3504, D3509 D3501, D3502 D3505 D3507	Not used Not used Not used Not used Not used	1SS133 1SS133 S5688G MTZJ16B MTZJ5.1B	1SS133 Not used Not used Not used Not used	
	D3508 C3101- C3105 C3106- C3110 C3501 C3502	Not used CFTYA104J50 Not used Not used Not used	MTZJ11B CFTYA224J50 CFTYA224J50 CEAT471M35 CEAT1R0M50	Not used CFTYA224J50 CFTYA224J50 Not used Not used	
	C3503 C3504 C3505 C3506 R3133, R3134	Not used Not used Not used Not used Not used	CKCYF103Z50 CEAT471M25 CEAT101M16 CCCCH680J50 RS1LMF471J	Not used Not used Not used Not used RS1LMF471J	
	R3501 R3502, R3506, R3507 R3503 R3504 R3505	Not used Not used Not used Not used Not used	RD1/4PU820J RD1/4PU473J RD1/4PU102J RD1/4PU104J RD1/4PU682J	Not used Not used Not used Not used Not used	
NSP NSP	R3508 Y0006 Y0007 CN3002 CN3101  CN3102	Not used ADX7352 ADX7353 Not used AKE7058  AKE7060	RD1/4PU103J Not used Not used KM250MA3 AKE7059  AKE7061	Not used Not used Not used Not used AKE7059  AKE7061	

**M**F REGULATOR ASSY

AWX7832 and AWX7310 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7310	AWX7832	
	IC5001, C5002 R5004, R5005	NJM78M15FA Not used	NJM7815FA RS2LMF2R7J	

**O**F TRANS 2-2 ASSY

AWX7518 and AWX7366 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7366	AWX7518	
△	C5501	Not used	CEANPR47M50	
△	C5502	Not used	ACH1237 (1μF/100V)	
△	R5501	Not used	RFA1/4PS100J	
	R5502	Not used	RD1/4PU104J	

**S**F DISPLAY ASSY

AWX7703 and AWX7698 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7698	AWX7703	
	IC7051	TC7W53FU	Not used	
	IC7071	M66311FP	Not used	
	Q7002, Q7054	DTC124EK	Not used	
	Q7053	FMA1A	Not used	
	D7002	SLR-343VR	Not used	
	D7054- D7057	1SS355	Not used	
	D7071- D7079	SLR-343VR	Not used	
	S7019, S7020	VSG1009	Not used	
	C7011, C7073, C7074	CKSQYB102K50	Not used	
	C7053	CKSQYB153K50	Not used	
	C7071	CEAL101M6R3	Not used	
	C7072	CKSQYB473K50	Not used	
	R7038, R7071- R7079	RS1/10S271J	Not used	
	R7056	RS1/10S223J	Not used	
	R7057, S7061	RS1/10S103J	Not used	
	R7058	RS1/10S392J	Not used	
	R7062	RS1/10S0R0J	Not used	
	R7080- R7083	RS1/10S102J	Not used	
	R7092	RS1/10S473J	Not used	
	0505	VEF1040	Not used	
	CN7003	52045-0845	Not used	

**T**F ROTARY ENCODER ASSY

AWX7726 and AWX7328 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7328	AWX7726	
	C7103, C7104	Not used	CKSQYB103K50	
	R7103, C7104	Not used	RS1/10S103J	
	S7101	Not used	ASX7004	

**P F VIDEO ASSY**

AWX7677 and AWX7394 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7394	AWX7677	
	IC731 D731 C732, C733, C736 C791 R717  R732- R735 CN701 CN702 JA705	NJM2279M 1SS355 CKSQYB473K50 CKSQYB103K RS1/10S101J  RS1/10S102J 52045-2645 52045-2145 AKN7014	Not used Not used Not used Not used RS1/10S0R0J  Not used HLEM26S-1 HLEM21S-1 Not used	

**V F PRIMARY ASSY**

AWX7345, AWX7429 and AWX7311 are constructed the same except for the following:

Mark	Symbol and Description	Part No.			Remarks
		AWX7311	AWX7345	AWX7429	
	C6002, C6003 C6006 R6001 R6002 L6003, L6004  J6000 T6001 RY6001 Y6003 AWG18 BOARD IN Y6004 AWG18 BOARD IN  Y6005 AWG18 BOARD IN 6004 6001	ACG7020 CEAT470M25 RCN1080 Not used Not used  Not used ATT7043 ASR7022 Not used Not used  Not used AKP1053 Not used	ACE7014 CEAT221M25 Not used RD1/4PU1R0J ATX1012  D20PYY0335E ATT7040 ASR1044 ADX7321 ADX7320  ADX7319 Not used 51048-0300	ACG7020 CEAT470M25 Not used Not used Not used  D20PYY0335E ATT7041 ASR1022 Not used Not used  Not used AKP1053 51048-0300	

**N F TRANS 1/LB ASSY**

TRANS 1/LB Assy has no service parts.

**PCB PARTS LIST**

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
------	-----	-------------	----------	------	-----	-------------	----------

**VA P-SW ASSY (AWX7330)**

**SWITCHES AND RELAYS**

S6801	ASG1035
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**CAPACITORS**

C6801, C6802	CGCYX103K25
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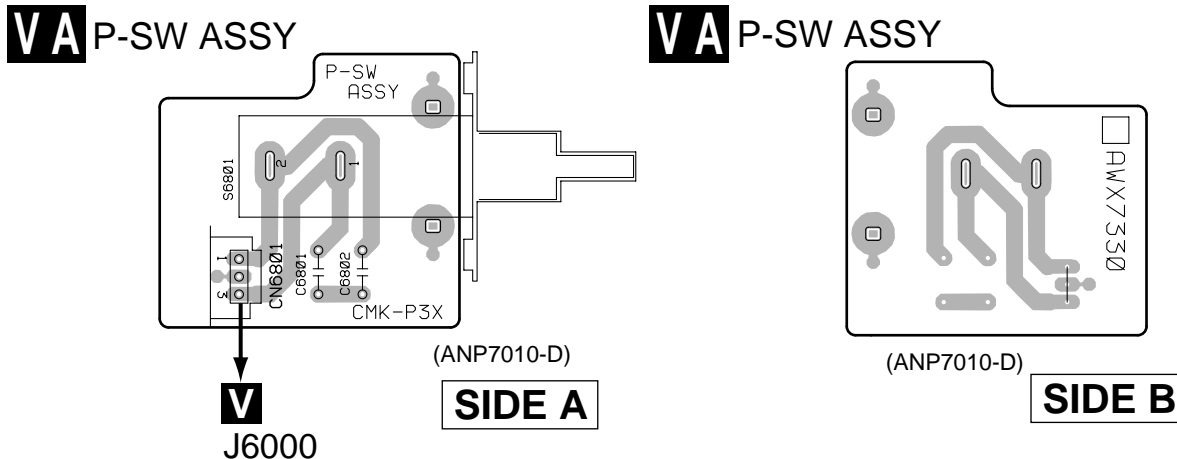
**OTHERS**

CN6801 3P JUMPER CONNECTOR	52151-0310
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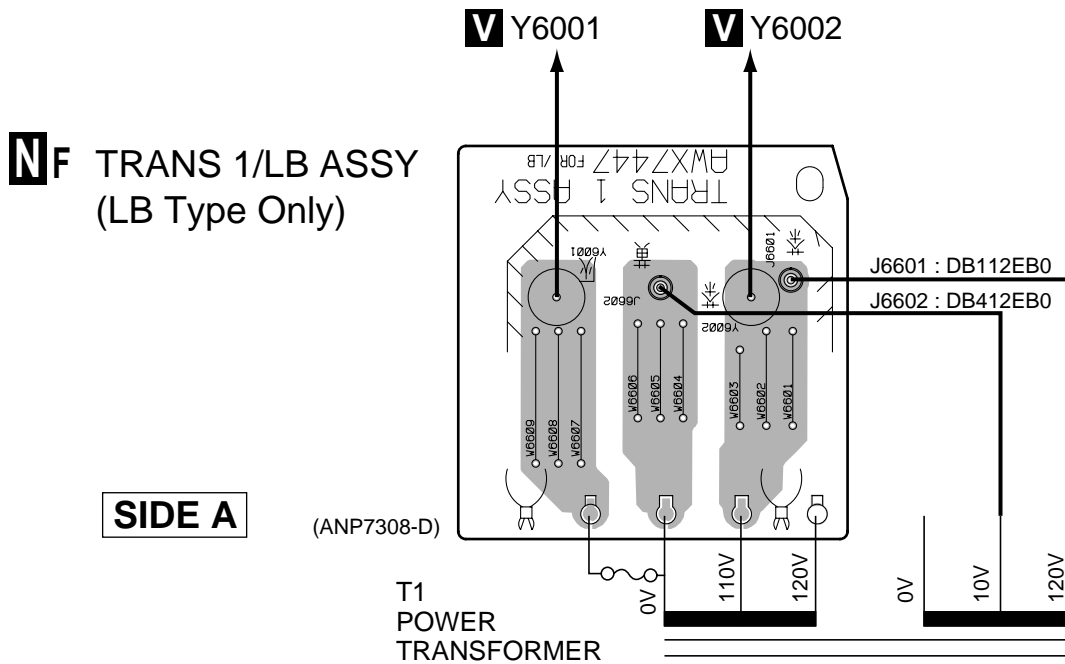


## 2. PCB CONNECTION DIAGRAM

### 2.1 P-SW ASSY



### 2.2 TRANS 1/LB ASSY

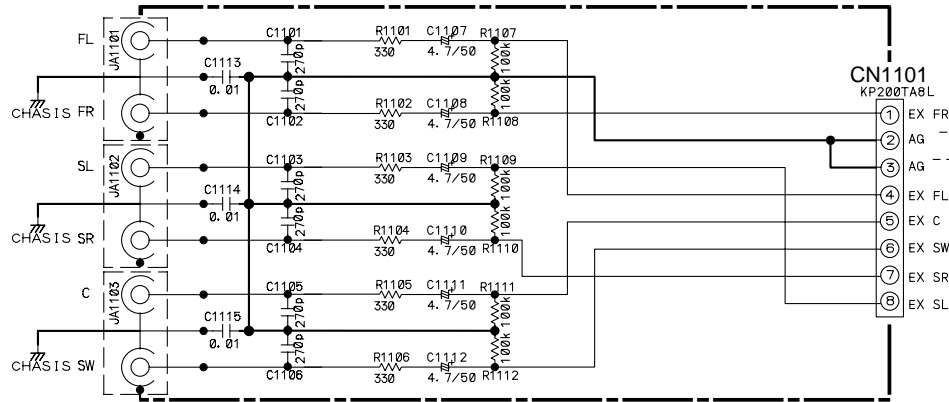


### 3. SCHEMATIC DIAGRAM

#### 3.1 EXTRA IN, A-PINJACK and CONNECTION ASSYS

**A F**  
EXTRA IN ASSY  
(AWX7413)

JA1101-JA1103  
(AKB7095)

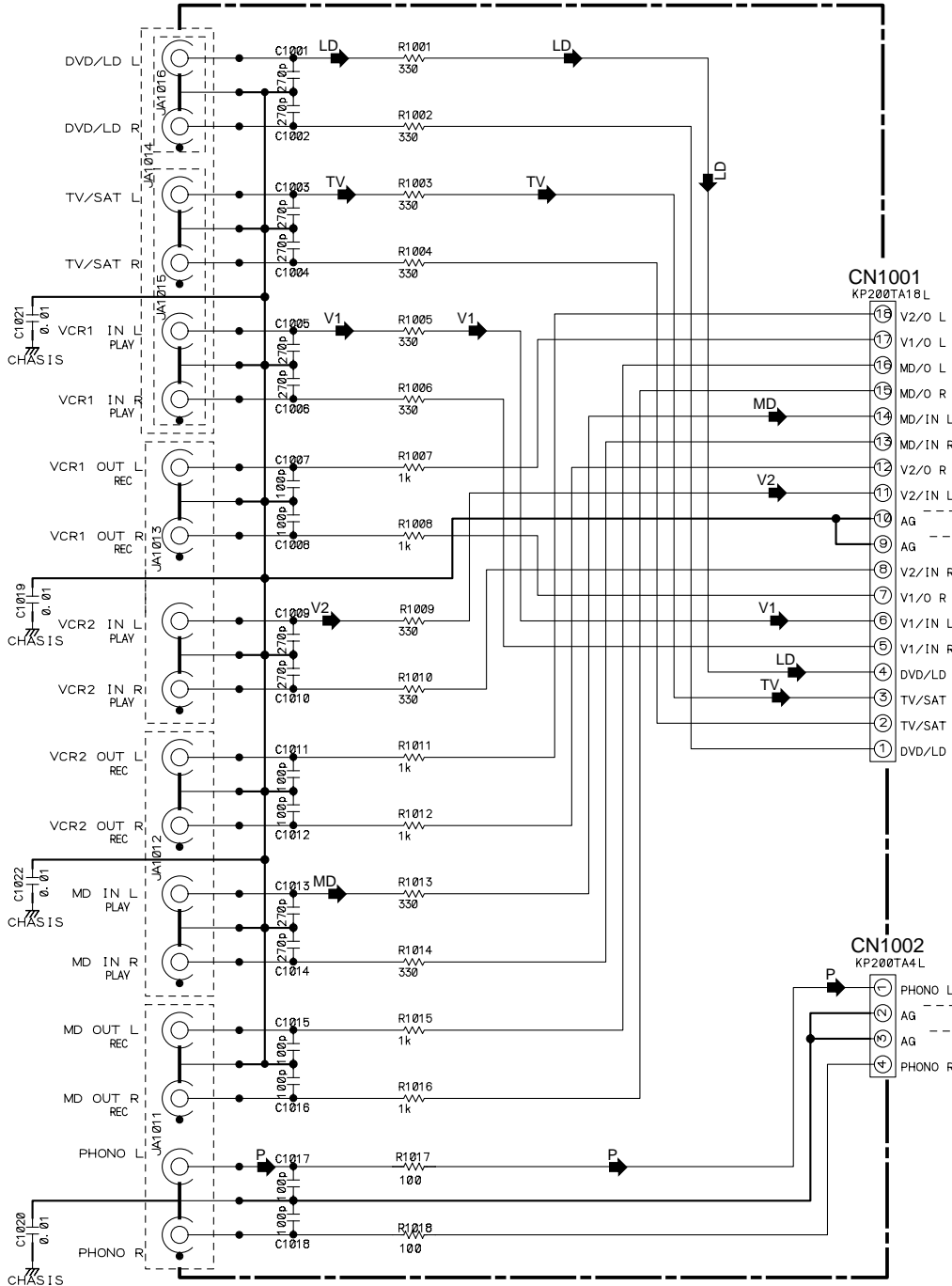


**B F**  
A-PINJACK ASSY  
(AWX7412)

JN1016: AKB7120

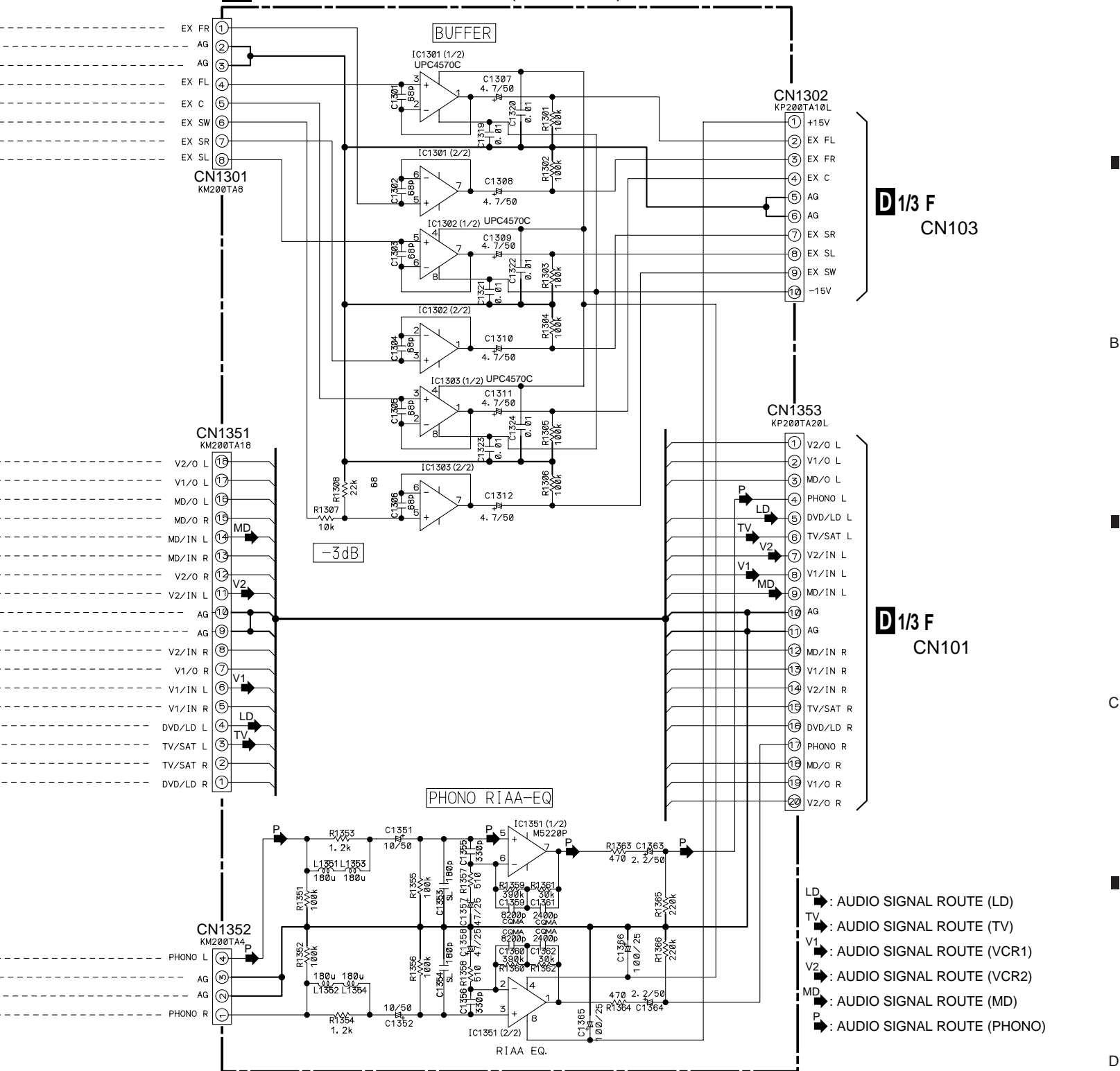
JN1015: AKB7048

JA1011-JA1013 :  
AKB7048



Note : When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST"

**CF CONNECTION ASSY (AWX7347)**



**D 1/3 F**  
CN103

**D 1/3 F**  
CN101

- LD : AUDIO SIGNAL ROUTE (LD)
- TV : AUDIO SIGNAL ROUTE (TV)
- V1 : AUDIO SIGNAL ROUTE (VCR1)
- V2 : AUDIO SIGNAL ROUTE (VCR2)
- MD : AUDIO SIGNAL ROUTE (MD)
- P : AUDIO SIGNAL ROUTE (PHONO)

3.2 MAIN CONTROL ASSY (1/3)

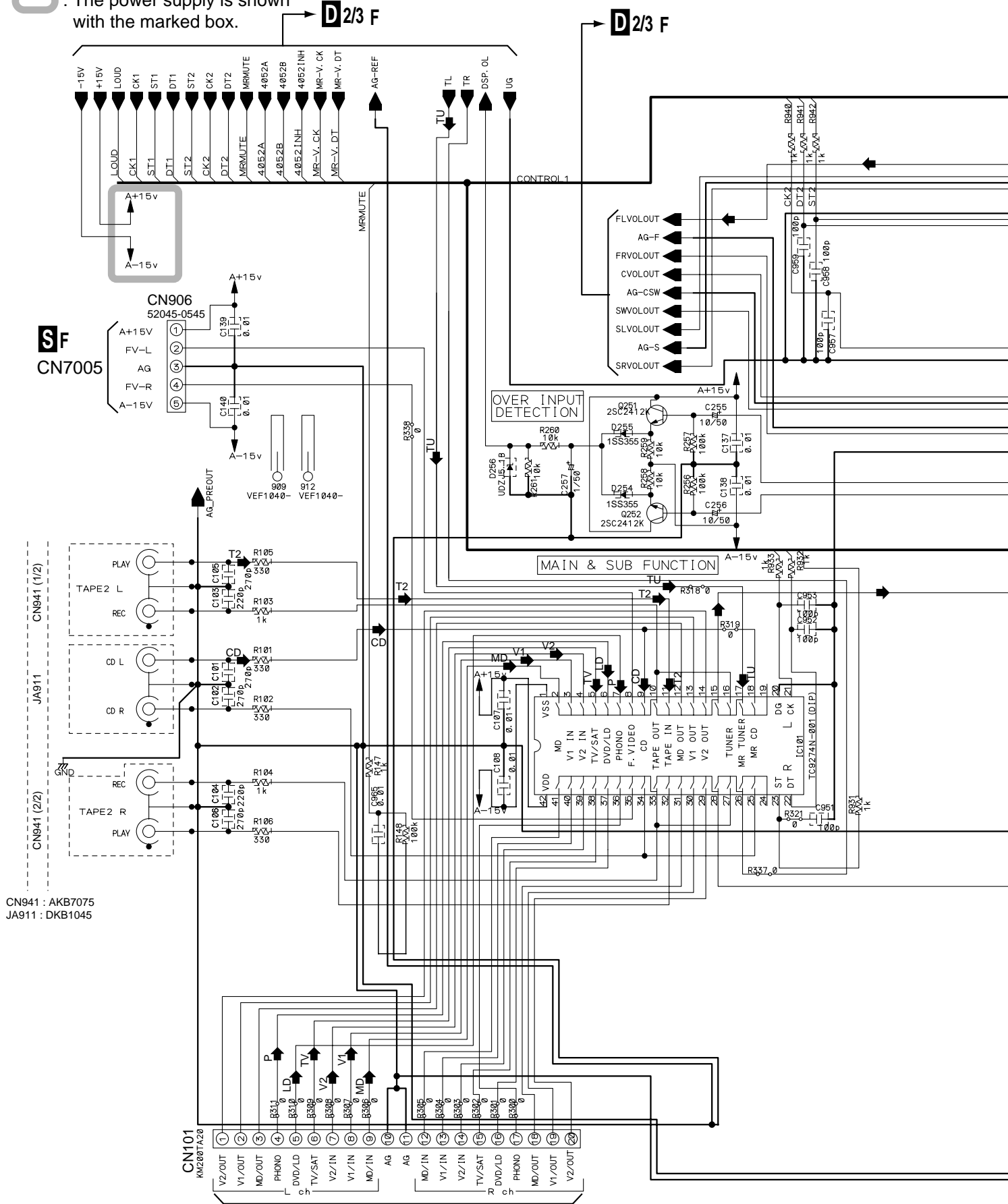
The power supply is shown with the marked box.

A

B

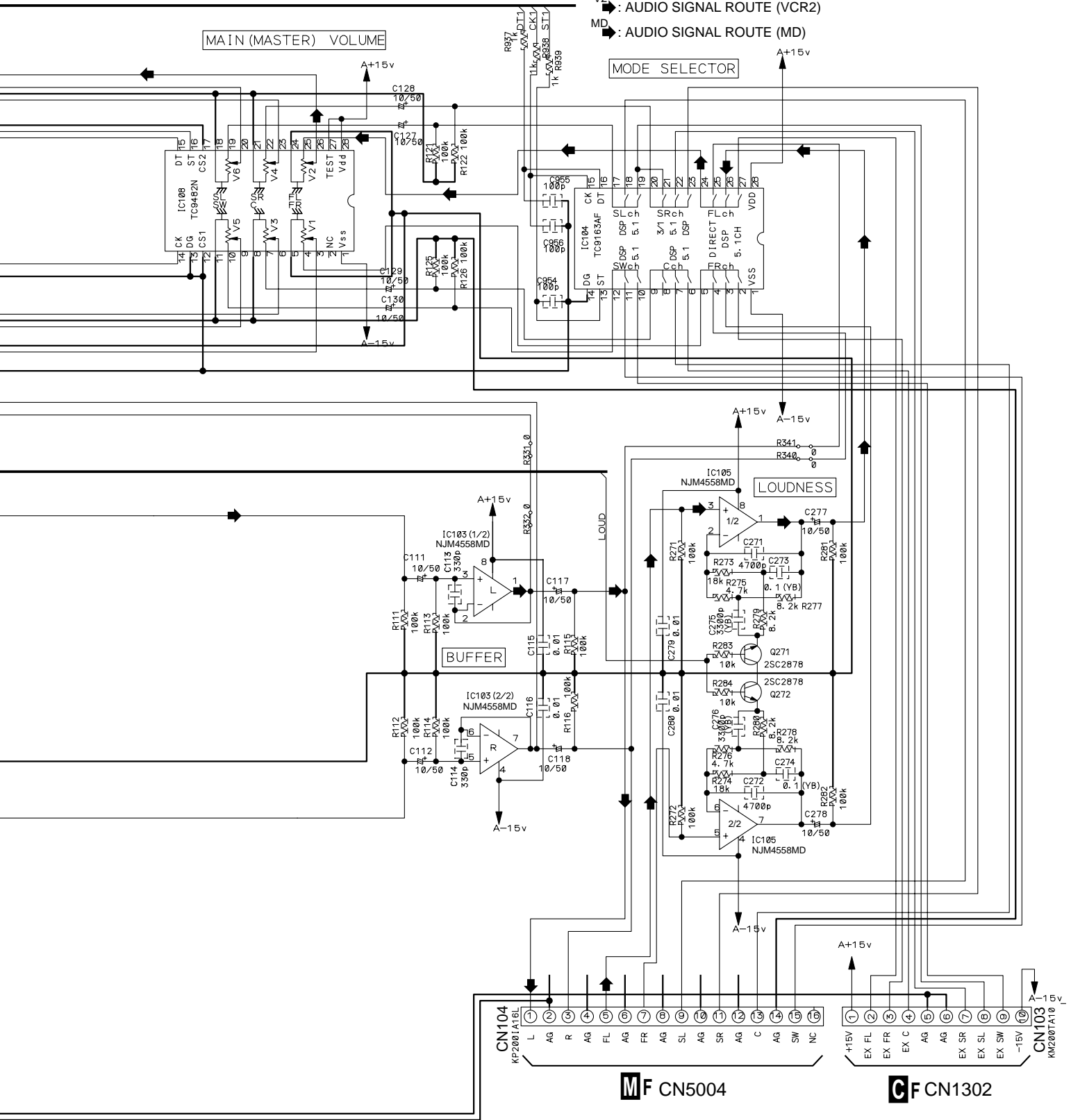
C

D



**D** 1/3 F MAIN CONTROL ASSY  
 ( HL : AWX7712 )  
 ( LB : AWX7711 )

- ▶ : AUDIO SIGNAL ROUTE
- LD ▶ : AUDIO SIGNAL ROUTE (LD)
- TV ▶ : AUDIO SIGNAL ROUTE (TV)
- V1 ▶ : AUDIO SIGNAL ROUTE (VCR1)
- V2 ▶ : AUDIO SIGNAL ROUTE (VCR2)
- MD ▶ : AUDIO SIGNAL ROUTE (MD)
- P ▶ : AUDIO SIGNAL ROUTE (PHONO)
- TU ▶ : AUDIO SIGNAL ROUTE (TUNER)
- CD ▶ : AUDIO SIGNAL ROUTE (CD)
- T2 ▶ : AUDIO SIGNAL ROUTE (TAPE2)



**M**F CN5004

**C**F CN1302

3.3 MAIN CONTROL ASSY (2/3)

D 2/3 F MAIN CONTROL ASSY  
(HL : AWX7712)  
(LB : AWX7711)

D 1/3 F

D 3/3 F

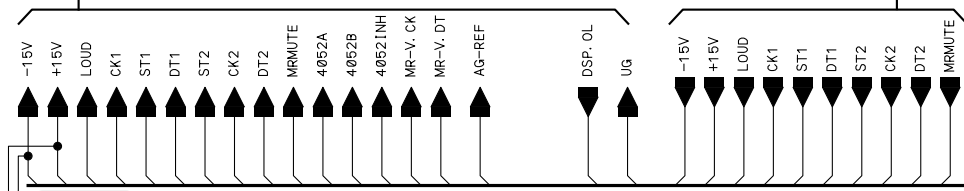
A

B

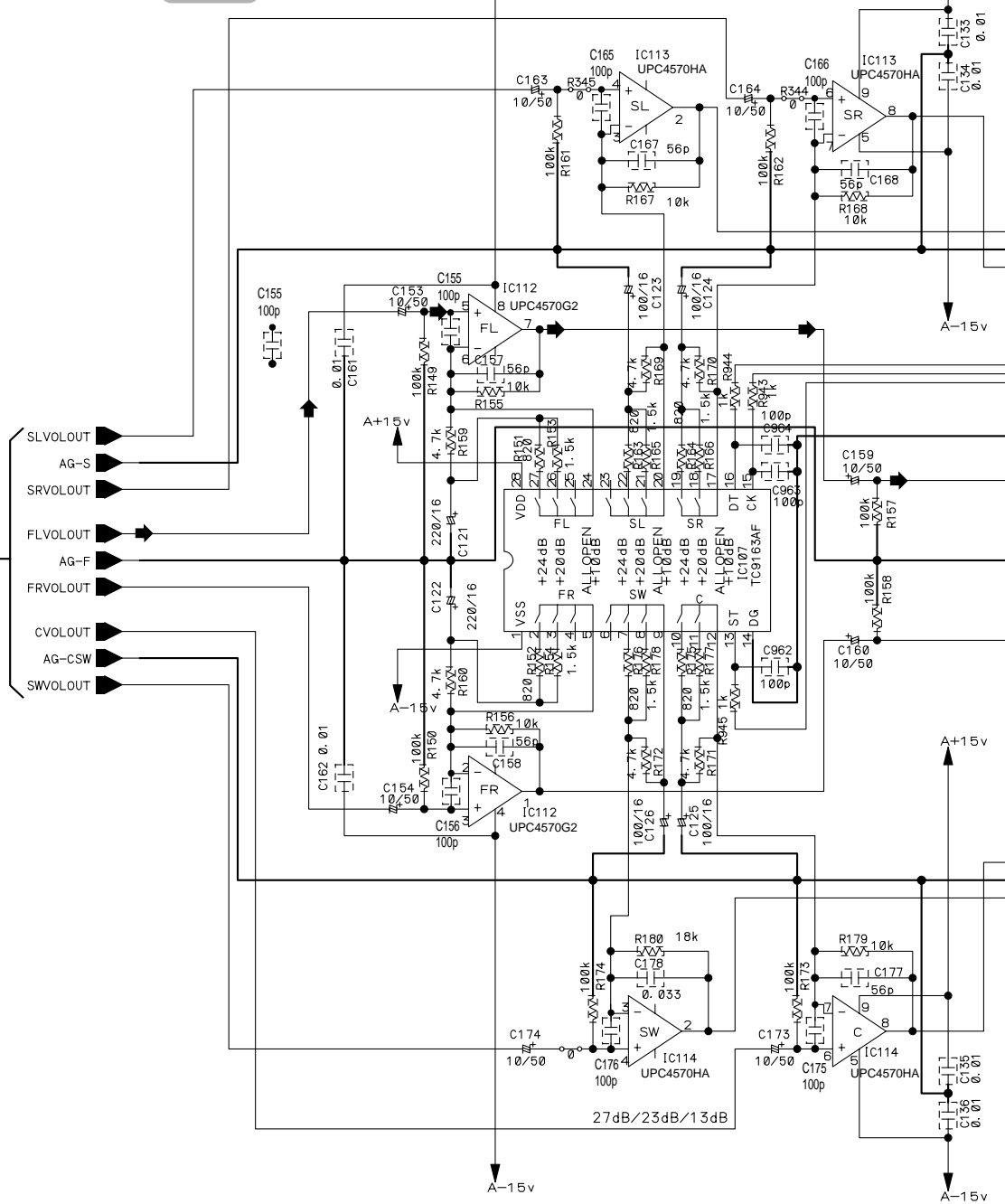
C

D

D 1/3 F

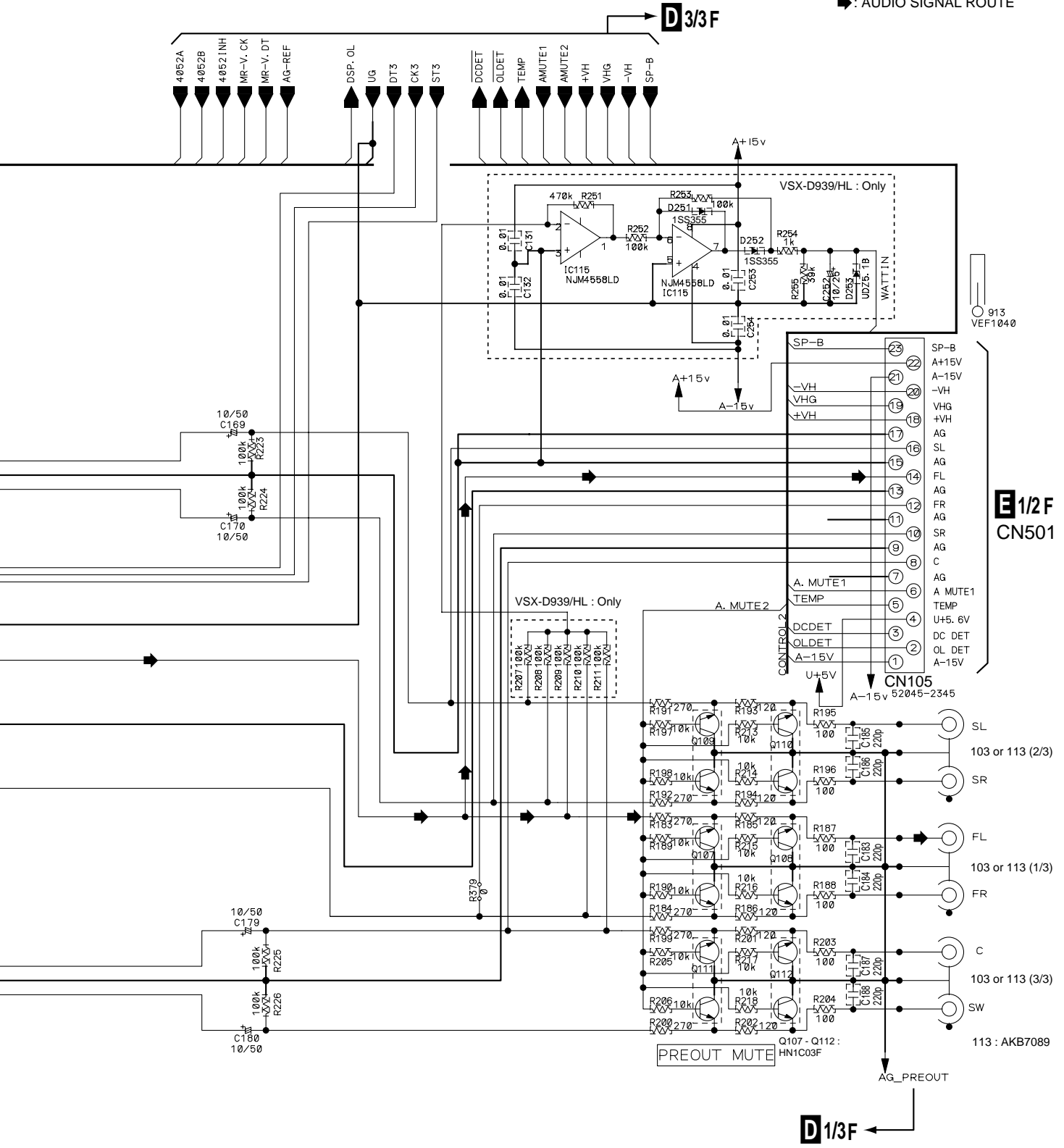


PREAMP SECTION



: The power supply is shown with the marked box.

: AUDIO SIGNAL ROUTE



913 VEF1040

E 1/2F CN501

A-15v 52045-2345

103 or 113 (2/3)

103 or 113 (1/3)

103 or 113 (3/3)


113 : AKB7089

D 1/3F

D 2/3F

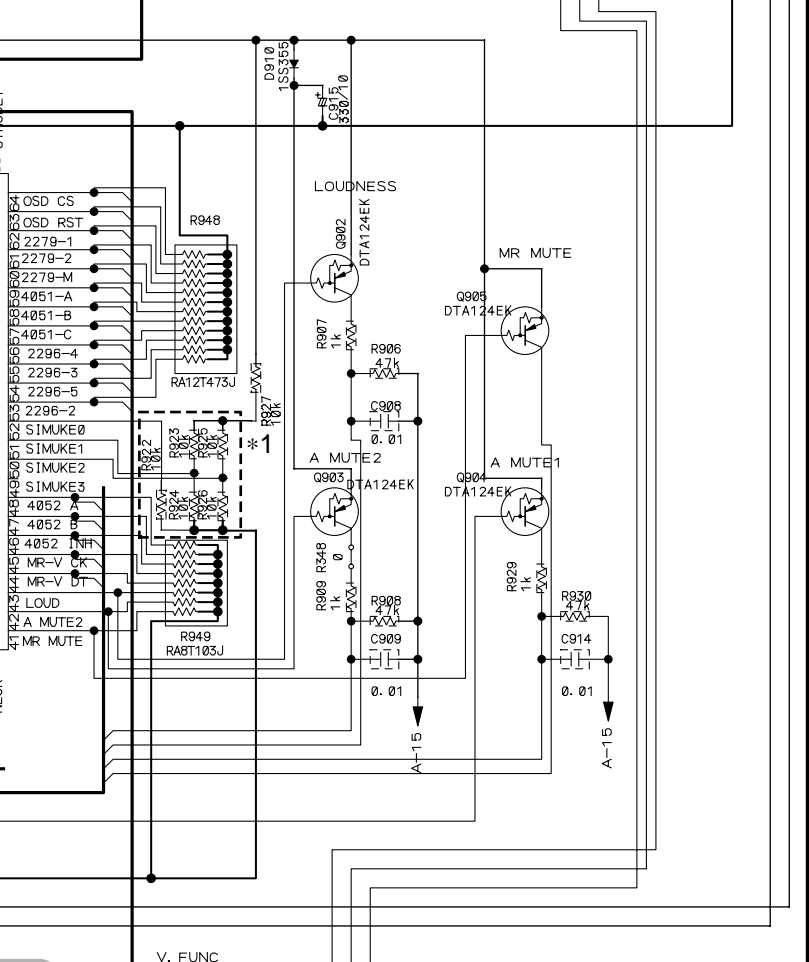
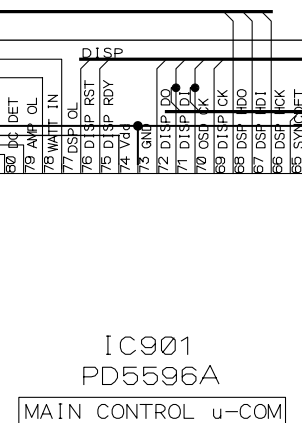
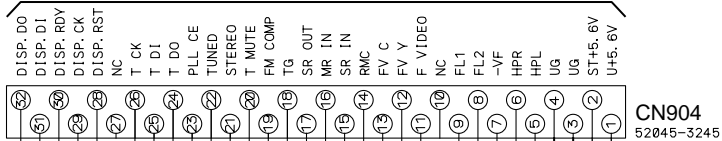




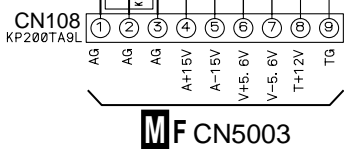
 : The power supply is shown with the marked box.

**D3/3 F**  
MAIN CONTROL ASSY  
(HL : AWX7712)  
(LB : AWX7711)

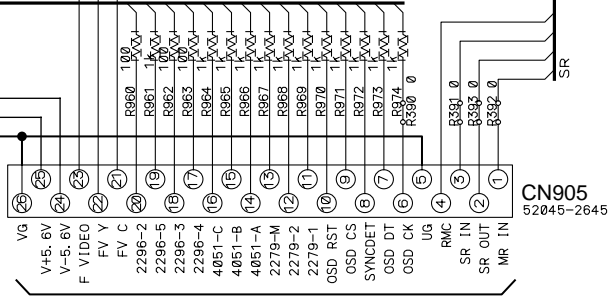
**SF** CN7001



- \*1
- R923 : VSX-D939TX/LB ONLY
  - R924 : VSX-D939TX/HL ONLY
  - R925 : VSX-D939TX/HL ONLY
  - R926 : VSX-D939TX/LB ONLY
  - R927 : VSX-D939TX/HL ONLY



**MF** CN5003



**PF** CN701

3.5 TRANS 2-1, DIODE and SP/PS ASSYS

CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE.  
REPLACE ONLY WITH SAME TYPE NO. 49102.5 MFD, BY  
LITTELFUSE INC. FOR IC4501, IC4502 (AEK7014).

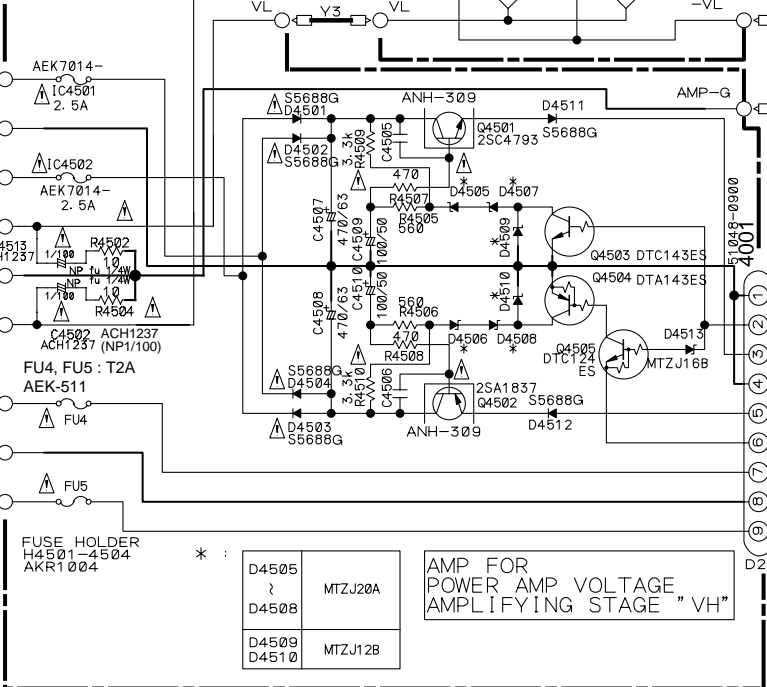
Y1 : ADX7284- (BLK) Y5 : ADX7288- (BLU)  
Y2 : ADX7285- (BWN) Y6 : ADX7289- (RED)  
Y3 : ADX7286- (GRV) Y7 : ADX7290- (BLU)  
Y4 : ADX7287- (RED) Y14 : ADX7297- (BLK)

RECTIFIER FOR POWER AMP "VL"

**JF**  
TRANS 2-1 ASSY  
(AWX7696)

**K** DIODE ASSY  
(AWX7697)

TRANS SECONDARY  
VH  
VL  
REG  
FU4, FU5 : T2A  
AEK-511  
FU4  
FU5  
FUSE HOLDER  
H4501-4504  
AKR1004



D4505	MTZJ20A
D4508	MTZJ20A
D4509	MTZJ12B
D4510	MTZJ12B

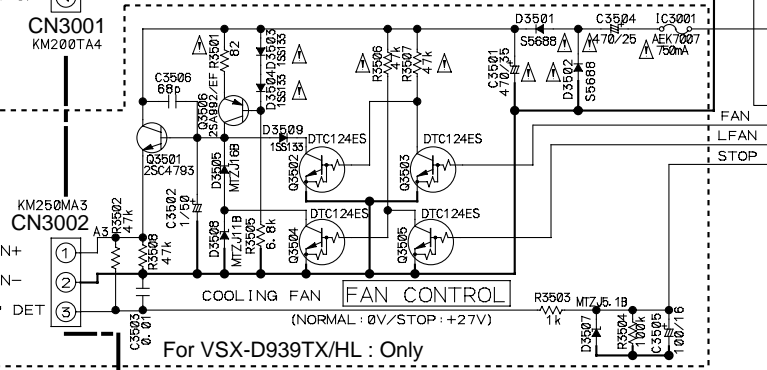
AMP FOR POWER AMP VOLTAGE AMPLIFYING STAGE "VH"

NOTE FOR FUSE REPLACEMENT

CAUTION - FOR CONTINUED PROTECTION AGAINST RISK OF FIRE.  
REPLACE WITH SAME TYPE AND RATINGS ONLY.

CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE.  
REPLACE ONLY WITH SAME TYPE NO. 491.750 MFD, BY  
LITTELFUSE INC. FOR IC4501, IC4502 (AEK7014).

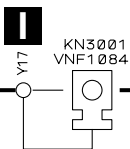
**VF**  
CN6003  
RY AC  
ST G  
ST+5V  
W UP



For VSX-D939TX/HL : Only

HA - HE

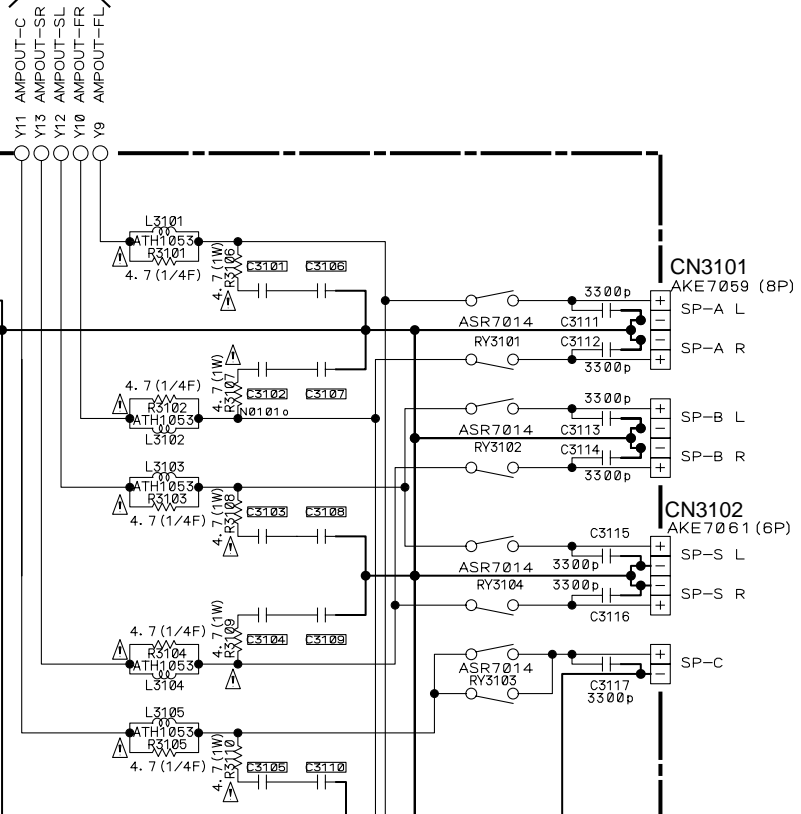
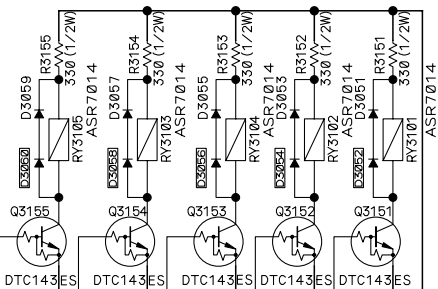
- Y8 : ADX7291 - (BLK)
- Y9 : ADX7292 - (WHT)
- Y10 : ADX7293 - (ORG)
- Y11 : ADX7294 - (VLT)
- Y12 : ADX7295 - (YEL)
- Y13 : ADX7296 - (GRN)
- Y17 : ADX7298 - (BLK)



**LF** SP/PS ASSY  
(HL:AWX7693)  
(LB:AWX7692)

AMP G Y8 AMP G

SPEAKER RELAY



C3101	C3105	CFTYA224J50
C3106	C3110	CFTYA224J50

- 1 +VH
  - 2 VH G
  - 3 -VH
  - 4 +15V
  - 5 -15V
  - 6 REG
  - 7 REG G
  - 8 REG
- 3004  
51048-0800
- 1 HP R
  - 2 NECK
  - 3 HP L
  - 4 ST+5V
  - 5 ST G
  - 6 W UP
  - 7 RY AC
  - 8 FAN
  - 9 L FAN
  - 10 STOP
  - 11 RY B
  - 12 RY HP
  - 13 RY C/S
  - 14 RY A
- CN3003  
52045-1445

**M** CN5001

**M** CN5002





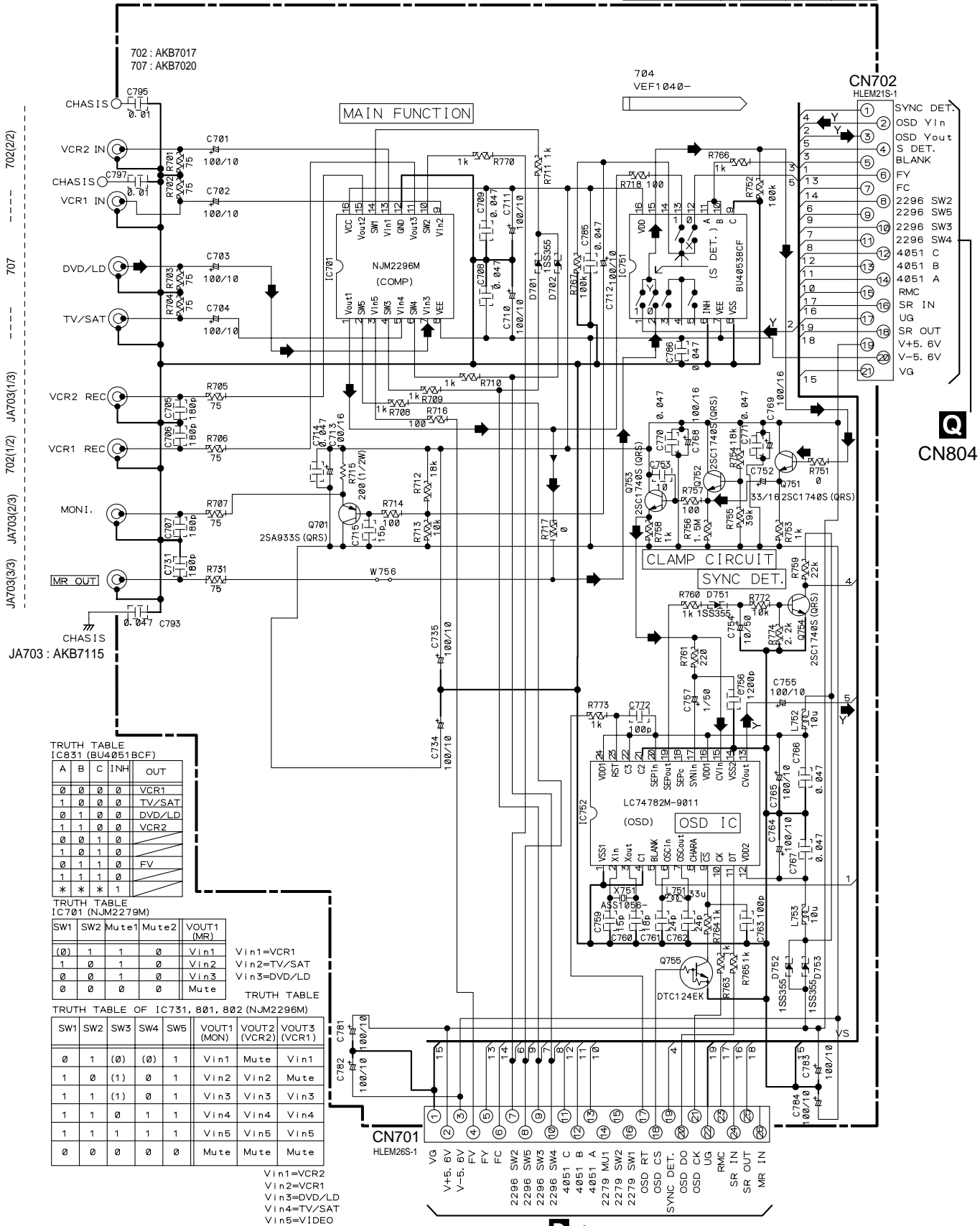


3.7 VIDEO, PRIMARY and P-SW ASSYS

**P**F VIDEO ASSY (AWX7677)

TRUTH TABLE OF IC751 (BU4053BCF)

CONDITION	A	B	C	INH	X OUT	Y OUT
S NOT USED	0	0	0	0	1X	1Y
S USED	1	1	0	0	0X	0Y



TRUTH TABLE IC831 (BU4051BCF)

A	B	C	INH	OUT
0	0	0	0	VCR1
1	0	0	0	TV/SAT
0	1	0	0	DVD/LD
1	1	0	0	VCR2
0	0	1	0	FV
1	0	1	0	FV
0	1	1	0	FV
1	1	1	0	FV
*	*	*	1	

TRUTH TABLE IC701 (NJM2279M)

SW1	SW2	Mute1	Mute2	VOUT1 (MR)
0	1	1	0	Vin1
1	0	1	0	Vin2
0	0	1	0	Vin3
0	0	0	1	Mute

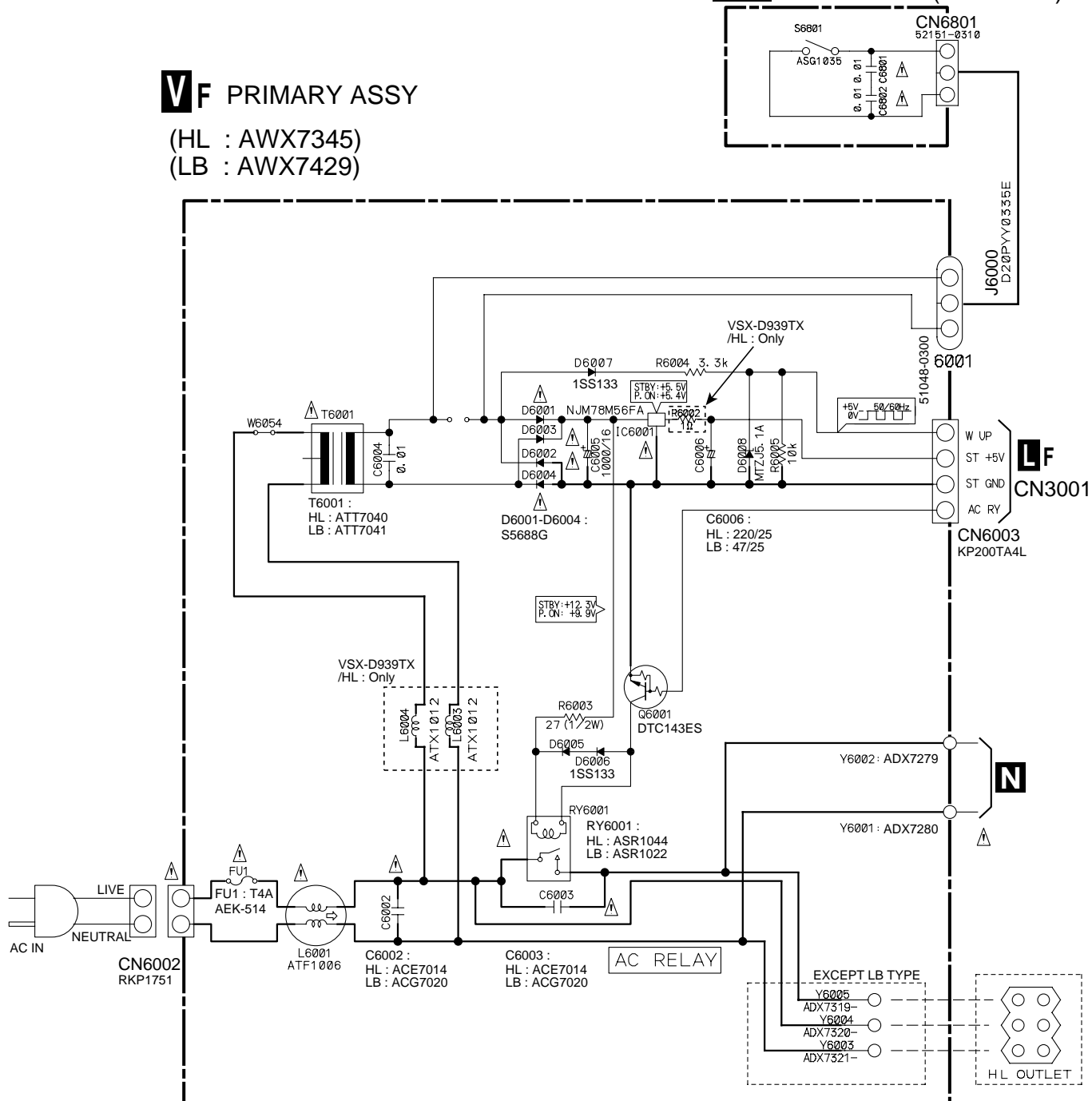
TRUTH TABLE IC731, 801, 802 (NJM2296M)

SW1	SW2	SW3	SW4	SW5	VOUT1 (MON)	VOUT2 (VCR2)	VOUT3 (VCR1)
0	1	(0)	(0)	1	Vin1	Mute	Vin1
1	0	(1)	0	1	Vin2	Mute	Vin2
1	1	(1)	0	1	Vin3	Mute	Vin3
1	1	0	1	1	Vin4	Mute	Vin4
1	1	1	1	1	Vin5	Mute	Vin5
0	0	0	0	0	Mute	Mute	Mute

Vin1=VCR2  
 Vin2=VCR1  
 Vin3=DVD/LD  
 Vin4=TV/SAT  
 Vin5=VIDEO

**D**3/3 F CN905

**VA** P-SW ASSY (AWX7330)  
**VF** PRIMARY ASSY  
 (HL : AWX7345)  
 (LB : AWX7429)

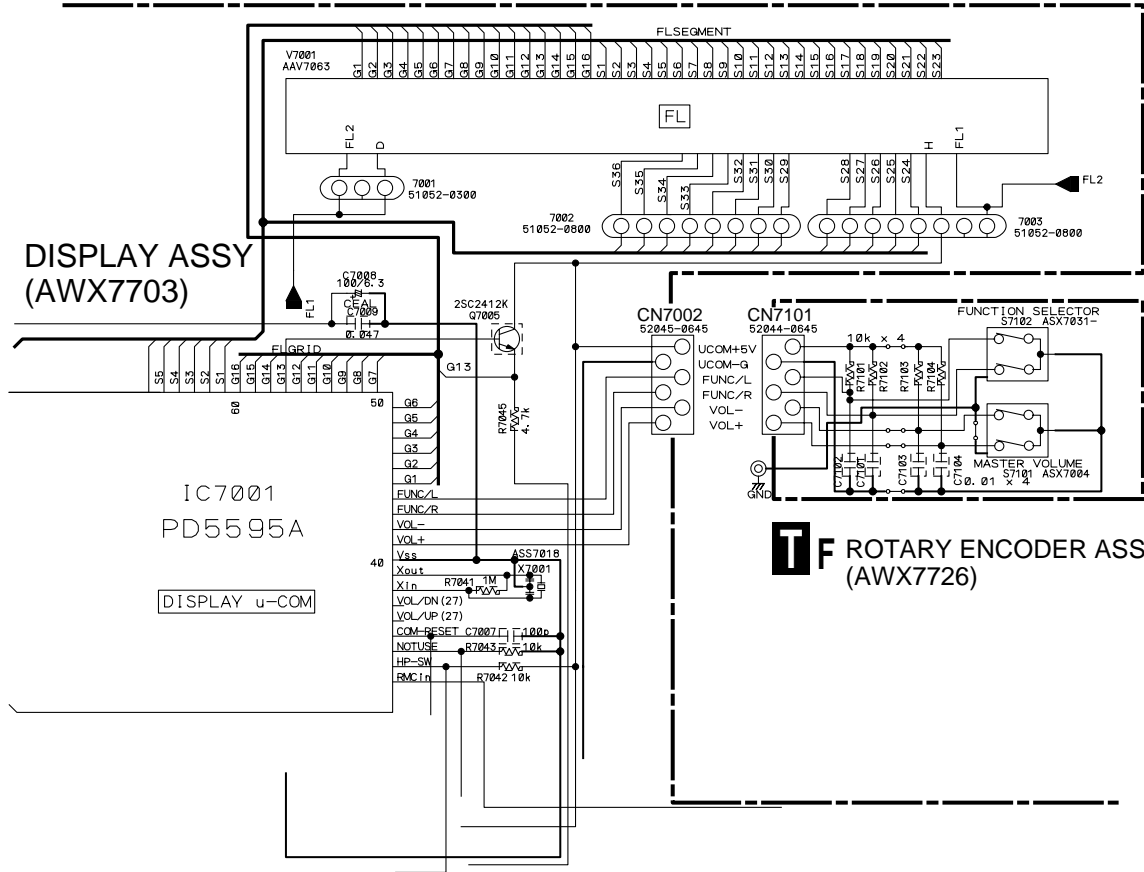
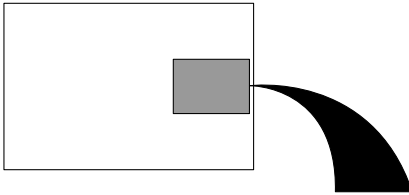


• NOTE FOR FUSE REPLACEMENT

**CAUTION** -FOR CONTINUED PROTECTION AGAINST RISK OF FIRE.  
 REPLACE WITH SAME TYPE AND RATINGS ONLY.

### 3.8 ROTARY ENCODER ASSY

**TF** ROTARY ENCODER ASSY  
( AWX7726 )



**TF** ROTARY ENCODER ASSY  
( AWX7726 )



## 4. REMOTE CONTROL UNIT [AXD7279]

### 4.1 CONTRAST OF MISCELLANEOUS PARTS

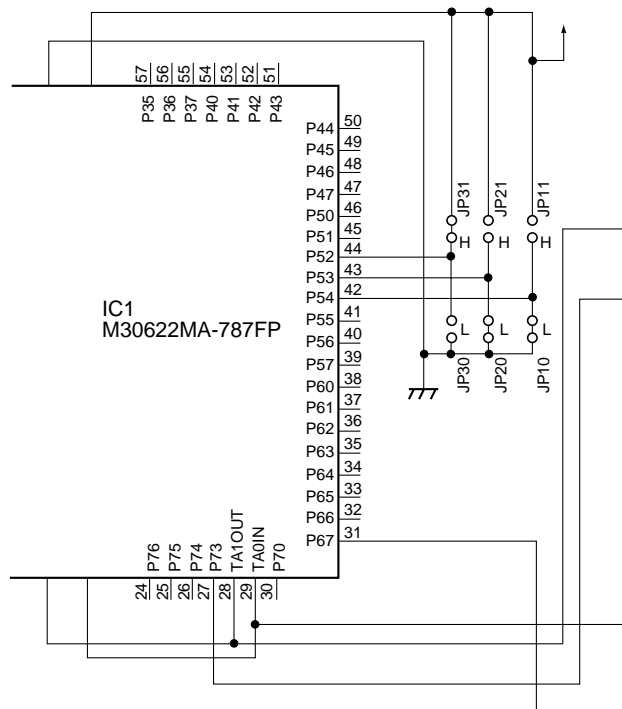
- NOTES :
- Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
  - The  $\triangle$  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
  - Screw adjacent to  $\nabla$  mark on the product are used for disassembly.
  - Reference Nos. indicate the pages and Nos. in the service manual for the base model.

#### ■ CONTRAST OF REMOTE CONTROL UNIT

AXD7279 and AXD7257 are constructed the same except for the following:

Ref. No.	Mark	Symbol and Description	Part No.		Remarks
			AXD7257	AXD7279	
P104-2		Name Plate B	AZA7381	AZA7386	(AZA7399:Goid)
P104-3		Rubber Sheet	AZA7382	AZA7390	
P104-8		Battery Cover	AZA7841	AZA7791	
P104-10		Case B	AZN7781	AZN7793	
P104-13		Knob	AZA7398	AZA7399	
P104-15		Caee A Assy	AZA7846	AZA7850	

#### ■ REMOTE PCB MODEL SWITCH



MODEL SWITCH

Model	JP10	JP11	JP20	JP21	JP30	JP31
AXD7257, AXD7278	-	○	-	○	-	○
AXD7258, AXD7279	-	○	-	○	○	-
AXD7259	-	○	○	-	-	○
AXD7266	-	○	○	-	○	-
AXD7273	○	-	-	○	-	○
AXD7275	○	-	-	○	○	-