

Pioneer

Service Manual

ORDER NO.
RRV2488

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-D859TXG

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

Type	Model	Power Requirement	Remarks
	VSX-D859TXG		
NKXJI	○	AC 220V	

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

Model No.	Order No.	Remarks
VSX-35TX/KUXJI/CA	RRV2351	

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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.
 ● 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 | → | 56×10^1 | → | 561 | | RD1/4PU | $\boxed{5}\boxed{6}\boxed{1}J$ |
| 47k | → | 47×10^3 | → | 473 | | RD1/4PU | $\boxed{4}\boxed{7}\boxed{3}J$ |
| 0.5 | → | R50 | | | | RN2H | $\boxed{R}\boxed{5}\boxed{0}K$ |
| 1 | → | 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).
- | | | | | | | | |
|-------|---|-------------------|---|------|-------|---------|---|
| 5.62k | → | 562×10^1 | → | 5621 | | RN1/4PC | $\boxed{5}\boxed{6}\boxed{2}\boxed{1}F$ |
|-------|---|-------------------|---|------|-------|---------|---|

■ CONTRAST OF TABLE

VSX-35TX/KUXJI/CA and VSX-D859TXG/NKXJI are constructed the same except for the following:

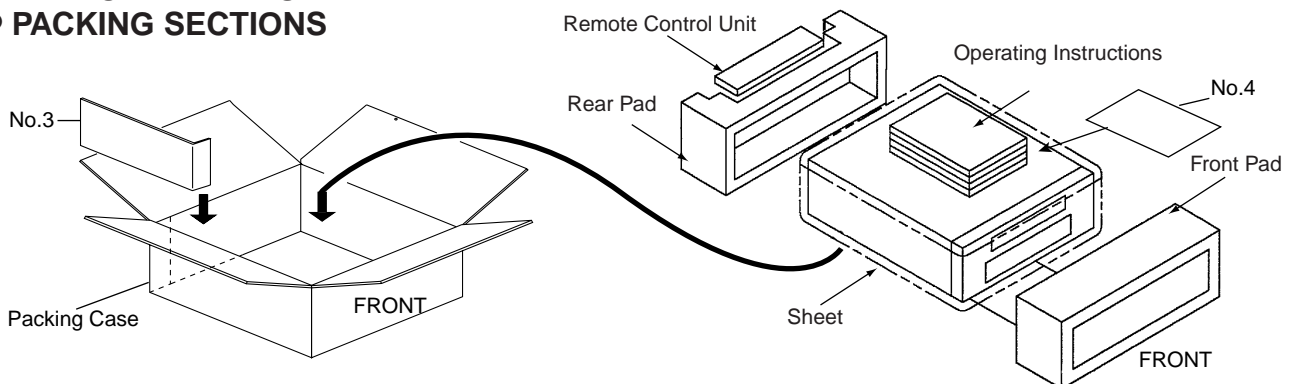
Ref. No.	Mark	Symbol and Description	Part No.		Remarks
			VSX-35TX /KUXJI/CA	VSX-D859TXG /NKXJI	
P5- 1		PCB ASSEMBLIES FM/AM TUNER UNIT	AXQ7231	AXQ7228	
P5- 5 P5-12	NSP	MAIN ASSY ├ MAIN CONTROL ASSY └ DSP ASSY	AWK7591 AWX7560 AWX7561	AWK7610 AWX7607 AWX7595	
P5- 2 P5- 6 P5-12 P5-14 P5-15	NSP	COMPLEX ASSY ├ EX I/O(7.1CH I/O) ASSY ├ A- CONNECTION ASSY ├ REGULATOR ASSY ├ TRANS 1 ASSY └ PRIMARY ASSY	AWK7592 AWX7568 AWX7566 AWX7562 AWX7564 AWX7563	AWK7723 AWX7597 AWX7584 AWX7806 Not used AWX7923	
P5- 4 P5-10	NSP	POWER ASSY ├ INPUT ASSY ├ SP/PS ASSY └ FAN DRIVER ASSY	AWK7593 AWX7573 AWX7571 Not used	AWK7605 AWX7600 AWX7598 AWX7599	No. 1
P5- 7 P6- 3 P7- 1	NSP	FRONT ASSY ├ COMPOSITE ASSY ├ V-AMP ASSY ├ DISPLAY ASSY └ P- SW ASSY	AWK7594 AWX7581 AWX7578 AWX7574 Not used	AWK7609 AWX7621 AWX7723 AWX7606 AWX7593	No. 2
P3- 3 P3- 3 P3- 4 P3- 8 P3-11	NSP	PACKING SECTION Operating Instructions (English) Operating Instructions(Korea) Remote Control Unit Packing Case Warranty Card	ARB7222 Not used AXD7266 AHD7860 ARY7007	Not used ARC7374 AXD7273 AHD8031 Not used	
		Spacer Caution Sheet SP	Not used ARM7056	AHB7052 ARM7059	No. 3 No. 4
P5-18 P5-18 P5-21	Δ Δ Δ	EXTERIOR SECTION Power Transformer Fuse (FU4, FU5:) Fuse (FU1:)	ATS7284 REK1112 (2.5A) VEK1029 (10A)	ATS7287 REK1025 (T2.0A) AEK-107 (T5.0A)	

Ref. No.	Mark	Symbol and Description	Part No.		Remarks
			VSX-35TX /KUXJI/CA	VSX-D859TXG /NKXJI	
EXTERIOR SECTION					
P5-26		AC Cord Stopper	CM-22C	CM-22B	
P5-27	△	AC Power Cord	VDG1075	VDG1086	
P5-30	NSP	Under Base	ANA7113	ANA7102	
P5-31		Rear Panel	ANC7910	ANC8038	
P5-33		Bonnet	AZN7835	AZN7836	
P5-35		Trans Shield	ANG7293	ANG7294	
	△	Bottom Plate	Not used	ANF7020	No. 5
		Fan Motor	Not used	AXM7012	No. 6
		Stabilizer	Not used	ANG7310	No. 7
		Locking Card Spacer	Not used	AEC7160	No. 8
	NSP	Speaker Sheet	AAK7944	AAK7945	No. 9
		Cushion Circle 16B	AED7052	AED7052	No.10
		KTL Label D859TXG	Not used	AAX7886	No.11
HEAT SINK SECTION					
	△	Themistor	Not used	AEX7004	No. 12
FRONT PANEL SECTION					
P7-13		Door Stay	AAH7063	AAH7064	
P7-14		Door	AMB7692	ANB7222	
P7-15		Door Hinge L	AMR7291	AMR7292	
P7-16		Door Hinge R	AMR7293	AMR7294	
P7-17		Volume Knob (MASTER)	AAB7193	AAB7210	
P7-18		Rotary Knob (INPUT SELECTOR)	AAB7226	AAB7227	
P7-19		Digital Cap	AAD7576	AAD7580	
P7-20		Volume Ring	AAK7623	AAH7016	
P7-21		Window	AAK7769	AAK7732	
P7-22		Door Sheet	AAK7783	AAK7777	
P7-24		Cusion Circle	AED7044	AED7045	
P7-25		Front Panel	AMB7691	ANB7229	
P7-26		Panel Base	AMB7695	AMB7696	
P7-30		Damper Assy	AXA7089	AXA7088	
P7-31		Name Plate	PAM1776	PAN1377	
		POWER Button	Not used	AAD7491	No.13
		FL Sheet	Not used	AAK7735	No.14
		Spacer	Not used	AEB7213	No.15

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

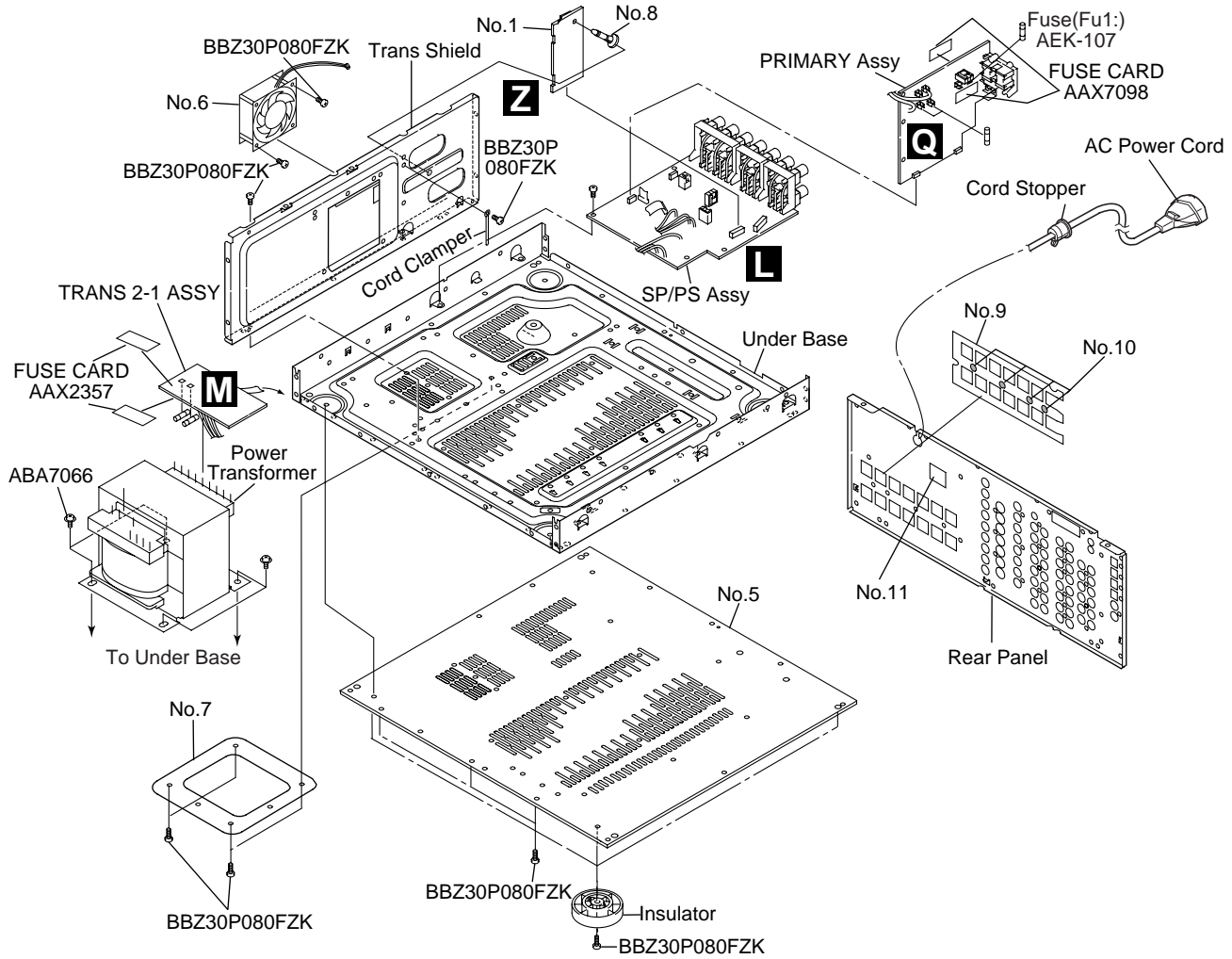
●For PCB ASSEMBLIES, Refer to “CONTRAST OF PCB ASSEMBLIES”, “2. PCB CONNECTION DIAGRAM” and “3. SCHEMATIC DIAGRAM”.

■ EXPLODED VIEWS
● PACKING SECTIONS

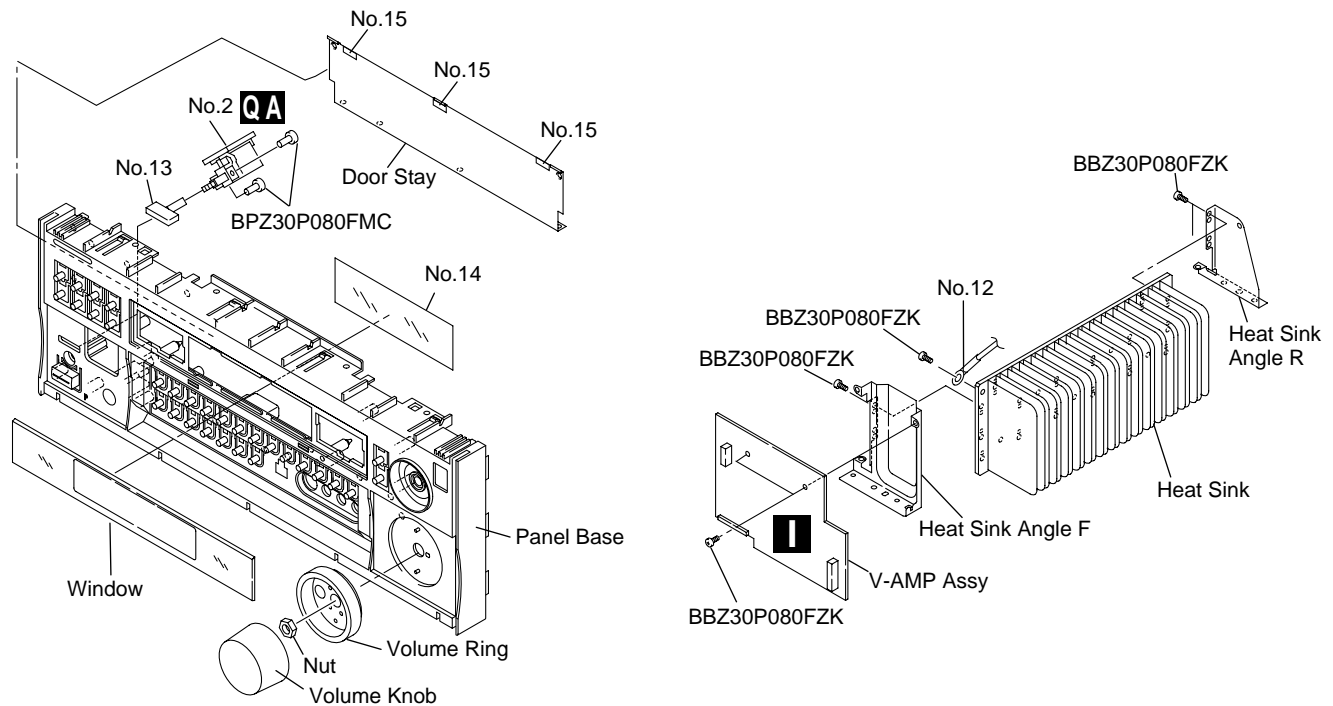


VSX-D859TXG

● EXTERIOR SECTION



● FRONT PANEL and HEAT SINK SECTIONS



■ CONTRAST OF PCB ASSEMBLIES

AF FM/AM TUNER UNIT

AXQ7228 and AXQ7231 are constructed the same except for the following:

Mark	Symbol and Description	Part No.		Remarks
		AXQ7231	AXQ7228	
	C216, C217 F203 (AM CERAMIC FILTER)	CKSRYB153K50 ATF7026	CKSRYB123K50 ATF1155	

BF 7.1CH I/O ASSY

AWX7597 and AWX7568 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7568	AWX7597	
	C1101- C1124, C1161- C1165 C1167, C1168 C1151- C1158 C1166	Not used Not used Not used Not used	CCSQCH101J50 CCSQCH101J50 CCSQCH331J50 CCSQCH471J50	

CF INPUT ASSY

AWX7600 and AWX7573 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7573	AWX7600	
	Q1001, Q1002 D1051 C1051 C1001- C10012 R1013- R1016, R1051 R1017, R1018 CN1002 6P SOCKET JA1004 2P PIN JACK JA1051 MULI ROOM JACK	2SC2878 1SS133 CGCYX103M16 Not used RD1/4PU102J RD1/4PU473J KP200TA6L AKB7046 AKN7014	Not used Not used Not used CCCSL221J50 Not used Not used Not used Not used Not used	

EF A-CONNECTION ASSY

AWX7584 and AWX7566 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7566	AWX7584	
	IC503 IC1551 D1551 C1509, C1510 C1551- C1553 C1554, C1555 C1556, C1557 R1551 R1552, R1553 R1554, R1555 CN1552 9P SOCKET CN1554 6P PLUG	NJM4558MD M62429FP UDZS5.1B Not used CEAT100M50 CCSQCH101J50 CEAT1R0M50 RS3LMF391J RS1/10S102J RS1/10S103J AKP7068 KM200TA6	UPC4570G2 Not used Not used CCSQCH221J50 Not used Not used Not used Not used Not used Not used Not used Not used	

DF MAIN CONTROL ASSY

AWX7607, AWX7605 and AWX7560 are constructed the same except for the following:

Mark	Symbol and Description	Part No.		Remarks
		AWX7560	AWX7607	
	IC103 IC104 IC251 Q905 D251, D252	TC9164AF NJM4558MD Not used DTA124EK Not used	Not used Not used NJM4558MD Not used 1SS355	
	D253 C101- C112 C119, C120 C135, C136 C145, C146, C157, C158	Not used Not used Not used CEAT1R0M50 Not used	UDZS5.1B CCSQCH221J50 CKSRYB331K50 Not used CCSRCH101J50	
	C169, C170, C181, C170 C191- C193 C252 C253- C256 C291	Not used CCSRCH101J50 Not used Not used CEJA101M16	CCSRCH101J50 Not used CEAT470M25 CKSRYB103K50 CEJQ101M16	
	C133, C134, C911 L101- L104 R111, R112 R115, R116 R129, R130, R139, R140	CKSRYB103K50 Not used RS1/10S0R0J RS1/10S331J RS1/10S104J	Not used LCTA181J3225 RS1/10S101J RS1/10S122J Not used	
	R203, R204 R131, R132 R133, R134 R135, R136, R934, R944- R946 R990, R991	RS1/10S104J RS1/16S474J RS1/16S471J RS1/16S102J RS1/10S102J	Not used Not used Not used Not used Not used	
	R211- R215, R252, R253 R251 R254 R255 R921, R923	Not used Not used Not used Not used Not used	RS1/16S104J RS1/16S474J RS1/16S102J RS1/16S393J RS1/16S103J	
	R922 R933 CN103 9P PLUG CN906 4P FFC CONNECTOR	RS1/16S103J RS1/16S473J AKP7057 52045-0445	Not used Not used Not used Not used	

F COMPOSITE ASSY

AWX7621 and AWX7581 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7581	AWX7621	
	IC731 D731 C732, C733 C734, C735 C736	NJM2279M DAN202K CKSQYB473K50 CEAT101M10 CKSQYB473K50	Not used Not used Not used Not used Not used	
	C737 R733- R735	CCSQCH470J50 RS1/10S102J	Not used Not used	

L F SP / PS ASSY

AWX7598 and AWX7571 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7571	AWX7598	
△	D3001, D3002 D3052, D3054, D3056, D3058, D3059 D3201 C3101- C3105 C3106- C3110 C3111- C3117 C3119 R3111 R3133, R3134 Heat Sink CN3002 6P PLUG CN3101 8P SPEAKER TERMINAL CN3102 6P SPEAKER TERMINAL	D5SBA20 Not used Not used CFTYA104J50 Not used CQHA102J2A Not used Not used Not used ANH1021 Not used AKE7058 AKE7060	LN6SB60-4003 1SS133 MTZJ5.1B CFTYA224J50 CFTYA224J50 CKCYB332K2H CKPUYB221K50 RD1/4PU4R7J RS1LMF471J Not used KM200TA6 AKE7059 AKE7061	

I F V-AMP ASSY

AWX7723 and AWX7578 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7578	AWX7723	
	CN2201 3P PLUG	Not used	KM250MA3	

N F REGULATOR ASSY

AWX7806 and AWX7562 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7562	AWX7806	
△	D5009	D3SBA20(B)	LN4SB60-4003	

Q F PRIMARY ASSY

AWX7923 and AWX7563 are constructed the same except for the following:

Mark	Symbol and Description	Part No.		Remarks
		AWX7563	AWX7923	
	C6011- C6013 R6001 R6003 T6001 J0032	Not used RCN1080 RD1/2VM101J ATT7043 Not used	CCCSSL101K2H Not used Not used ATT7041 D20PYY0330E	
	J6001 J6002 6004 6001 H6003- H6006	Not used Not used AKP7136 Not used Not used	DB840EB0 DB140EB0 Not used 51048-0300 AKP7001	

S DISPLAY ASSY

AWX7606 and AWX7574 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWX7574	AWX7606	
	IC7051 Q7053 Q7054 D7054- D7057 C7053	TC7W53FU FMA1A DTC124EK 1SS355 CKSQYB153K50	Not used Not used Not used Not used Not used	
	R7056 R7057 R7058, R7061 CN7007 4P FFC CONNECTOR	RS1/10S223J RS1/10S392J RS1/10S103J 52045-0445	Not used Not used Not used Not used	

PCB PARTS LIST

Mark	No.	Description	Part No.
	S6801		ASG1035
CAPACITORS			
	C6801, C6802		CGCYX103K25
OTHERS			
	CN6801	3P JUMPER CONNECTOR	52151-0310

QA P-SW ASSY (AWX7593)

SWITCHES AND RELAYS

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

Z FAN DRIVER ASSY (AWX7599)

SEMICONDUCTORS

△	IC3501	AEK7010
	Q3501	KRA103M
	Q3502	KRC103M
	Q3503	2SC4793
	D3504	MTZJ12C
	D3503	MTZJ27D
△	D3501, D3502	S5688G

CAPACITORS

C3501	CEAT471M35
C3502	CEAT1R0M50
C3503	CKCYF103Z50
C3504	CEANP471M25
C3505	CEAT100M50

RESISTORS

Other Resistors	RD1/4PU□□□□
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OTHERS

CN3502	3P PLUG	KM250MA3L
CN3501	6P SOCKET	KP200TA6L

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
Y	DSP ASSY (AWX7595)						
SEMICONDUCTORS							
	IC9101		AK4112AVF		C9057		CCSRCH270J50
	IC9102		AK4527VQ		C9509, C9629, C9757, C9758		CCSRCH271J50
	IC9551		AK7706VT		C9076, C9077, C9082–C9085, C9087		CCSRCH471J50
	IC9103		CS4391		C9093, C9101, C9104, C9112, C9115		CCSRCH471J50
	IC9501		CS493292		C9119, C9122, C9503, C9505, C9507		CCSRCH471J50
	IC9091		LH52256CN–70LL		C9513, C9515, C9520, C9522, C9525		CCSRCH471J50
	IC9201, IC9202		NJM2100M		C9528, C9553, C9555, C9557, C9559		CCSRCH471J50
	IC9041		NJM4558MD		C9561, C9617, C9618, C9639		CCSRCH471J50
	IC9504		PDN031C		C9201, C9202		CCSRCH560J50
	IC9071		PM4007A		C9007		CCSRCH750J50
	IC9811		PQ20WZ51		C9707, C9708		CCSRCH820J50
	IC9812		PQ7VZ5		C9611, C9612, C9736		CCSRCH821J50
	IC9552		TC551001CFT–70L		C9096		CEAT100M50
	IC9151		TC74ACT151F		C9113		CEAT221M10
	IC9152		TC74HCU04AF		C9523, C9526, C9643, C9644, C9770		CEJQ100M25
	IC9505		TC74LVX244FT		C9071, C9501, C9516, C9551, C9740		CEJQ101M10
	IC9502, IC9503		TC74VHC574F		C9801, C9802, C9812, C9814		CEJQ101M10
	IC9506		TC74VHCT244AFT		C9102, C9108, C9151, C9152, C9162		CEJQ101M16
	IC9507		TC7WU04FU		C9123, C9125		CEJQ1R0M50
	IC9601		TC9164AF		C9127, C9529		CEJQ2R2M50
	IC9602–IC9604, IC9701–IC9707		UPC4570G2–TFB		C9713, C9714, C9727, C9728, C9739		CEJQ330M10
	Q9007		2PB709A		C9753, C9754, C9765–C9769		CEJQ330M10
	Q9003, Q9032		2PD601A		C9091, C9117, C9120, C9562		CEJQ470M16
	Q9001, Q9002, Q9004–Q9006, Q9031		2SC3082K		C9016, C9803, C9805		CEJQ470M25
	Q9201, Q9202, Q9601–Q9606		2SC3326		C9203, C9204, C9206, C9207		CEJQ4R7M50
	Q9611, Q9612		2SC3326		C9603, C9604, C9615, C9616		CEJQ4R7M50
	Q9102, Q9104, Q9203, Q9607		DTA124EK		C9627, C9628, C9761, C9762, C9811		CEJQ4R7M50
	Q9609, Q9610		DTA124EK		C9813		CEJQ4R7M50
	Q9101, Q9103, Q9204, Q9608		DTC124EK		C9053		CEJQNP4R7M25
	D9601, D9602		1SS181		C9110		CEJQR47M50
	D9002		1SS355		C9815		CKSQYB102K50
	D9001		KV1851		C9020, C9134, C9153, C9155, C9157		CKSQYB103K50
COILS AND FILTERS					C9160, C9517, C9563, C9816		CKSQYB103K50
	X9001		ASS7009		C9004, C9005, C9008, C9009		CKSQYF104Z25
	X9101		ASS7025		C9012, C9013, C9015, C9032, C9043		CKSQYF104Z25
	F9001		ATF7001		C9058, C9079, C9607, C9608		CKSQYF104Z25
	L9003		ATH7001		C9619, C9620, C9631, C9632		CKSQYF104Z25
	L9001, L9071, L9501, L9551		ATL7002		C9705, C9706, C9709–C9712		CKSQYF104Z25
	L9801, L9802, L9807, L9809		ATL7002		C9723–C9726, C9737, C9738		CKSQYF104Z25
	L9811, L9812		ATL7002		C9759, C9760, C9810		CKSQYF104Z25
	F9151–F9153		DTF1064		C9163–C9167		CKSQYF104Z50
	L9091, L9101–L9107, L9502, L9503		QTL1013		C9745, C9746, C9781, C9782		CKSRBY102K50
	L9506, L9507, L9552		QTL1013		C9001, C9014, C9054, C9056, C9070		CKSRBY103K50
	X9501		VSS1086		C9103, C9105, C9111, C9118, C9121		CKSRBY103K50
CAPACITORS					C9124, C9133, C9158, C9502, C9504		CKSRBY103K50
	C9135		CCSQCH101J50		C9506, C9508, C9512, C9514, C9519		CKSRBY103K50
	C9095, C9809		CCSQCH221J50		C9521, C9524, C9527, C9531, C9552		CKSRBY103K50
	C9159, C9161		CCSQCH470J50		C9554, C9556, C9558, C9560, C9572		CKSRBY103K50
	C9086, C9154, C9156, C9518, C9564		CCSRCH471J50		C9636, C9637		CKSRBY103K50
	C9510, C9511		CCSRCH100D50		C9109, C9114, C9116, C9126, C9626		CKSRBY104K16
	C9033, C9609, C9610, C9721, C9722		CCSRCH101J50		C9605, C9606, C9633, C9755, C9756		CKSRBY122K50
	C9735		CCSRCH101J50		C9211, C9212		CKSRBY152K50
	C9107		CCSRCH150J50		C9703, C9704, C9715, C9716, C9729		CKSRBY182K50
	C9106		CCSRCH180J50		C9601, C9602, C9613, C9614, C9625		CKSRBY222K50
	C9621, C9622, C9749–C9752		CCSRCH221J50		C9763, C9764		CKSRBY222K50
					C9701, C9702		CKSRBY272K50
					C9732		CKSRBY333K16
					C9645		CKSRBY472K50
					C9019		CKSRBY473K16
					C9717, C9718, C9731		CKSRBY821K50
					C9002, C9003, C9006, C9010, C9011		CKSRYF104Z25

Mark	No.	Description	Part No.
A	C9017, C9018, C9031, C9051, C9052	CKSRYF104Z25	
	C9055, C9072-C9075, C9078	CKSRYF104Z25	
	C9080, C9081, C9092, C9205	CKSRYF104Z25	
	C9208-C9210	CKSRYF104Z25	
	C9730	CKSRYF104Z50	
	C9041, C9042	CKSRYF105Z10	

RESISTORS

R9172, R9173, R9812, R9815	RS1/10S0R0J
R9159, R9162, R9169-R9171	RS1/10S101J
R9165-R9167	RS1/10S102J
R9561, R9563-R9570, R9584	RS1/10S103J
R9151-R9156	RS1/10S104J
R9814, R9816	RS1/10S122J
R9123	RS1/10S182J
R9101	RS1/10S183J
R9813	RS1/10S202J
R9161, R9168	RS1/10S222J
R9588, R9589	RS1/10S331J
R9175	RS1/10S470J
R9552, R9553, R9562	RS1/10S472J
R9160, R9164	RS1/10S473J

Mark	No.	Description	Part No.
	R9811		RS1/10S511J
	R9121		RS1/10S562J
	R9120, R9122		RS1/10S681J
	R9158, R9163		RS1/10S750J
	OtherResistors		RS1/16S□□□J

OTHERS

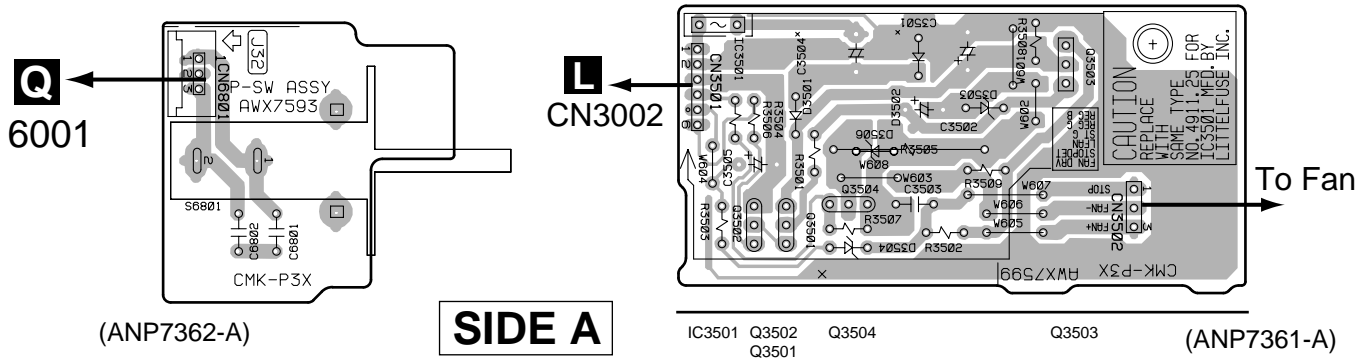
CN9805, CN9806	52044-2045
JA9152	AKB7132
JA9153, JA9154	GP1FA551RZ
JA9155, JA9156	GP1FA551TZ
CN9801	KP200TA20L
CN9803	KP200TA4L
CN9802	KP200TA9L
CN9804	S5B-PH-K

2. PCB CONNECTION DIAGRAM

2.1 P- SW and FAN DRIVER ASSYS

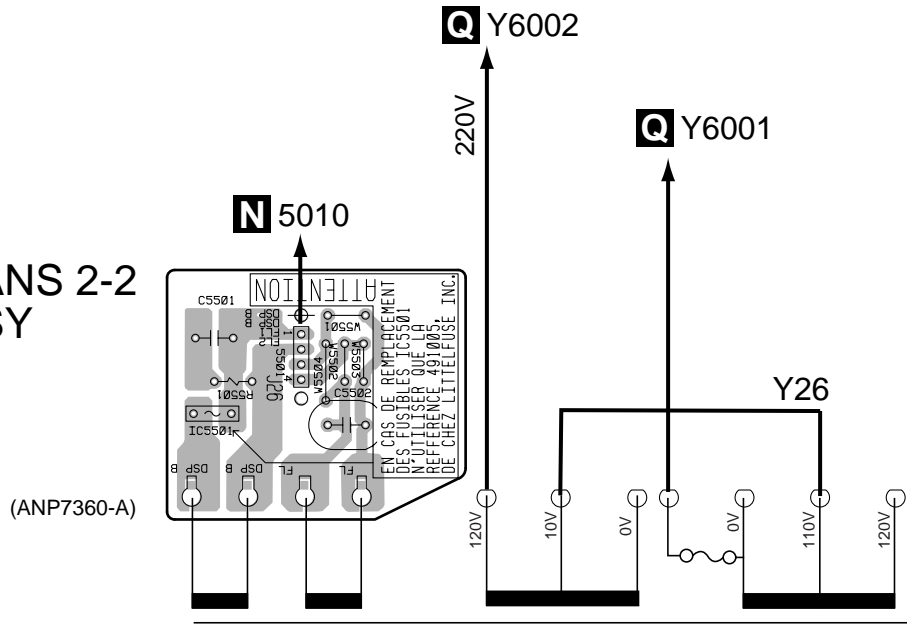
QA P-SW ASSY

Z FAN DRIVER ASSY



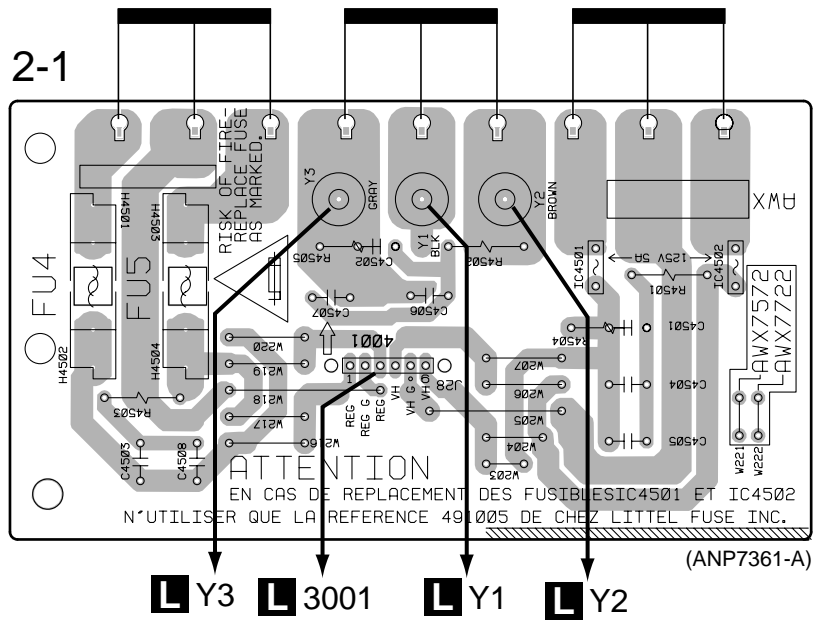
2.2 TRANS 2-1 and TRANS 2-2 ASSYS

O TRANS 2-2 ASSY



T1 POWER TRANSFORMER

M TRANS 2-1 ASSY

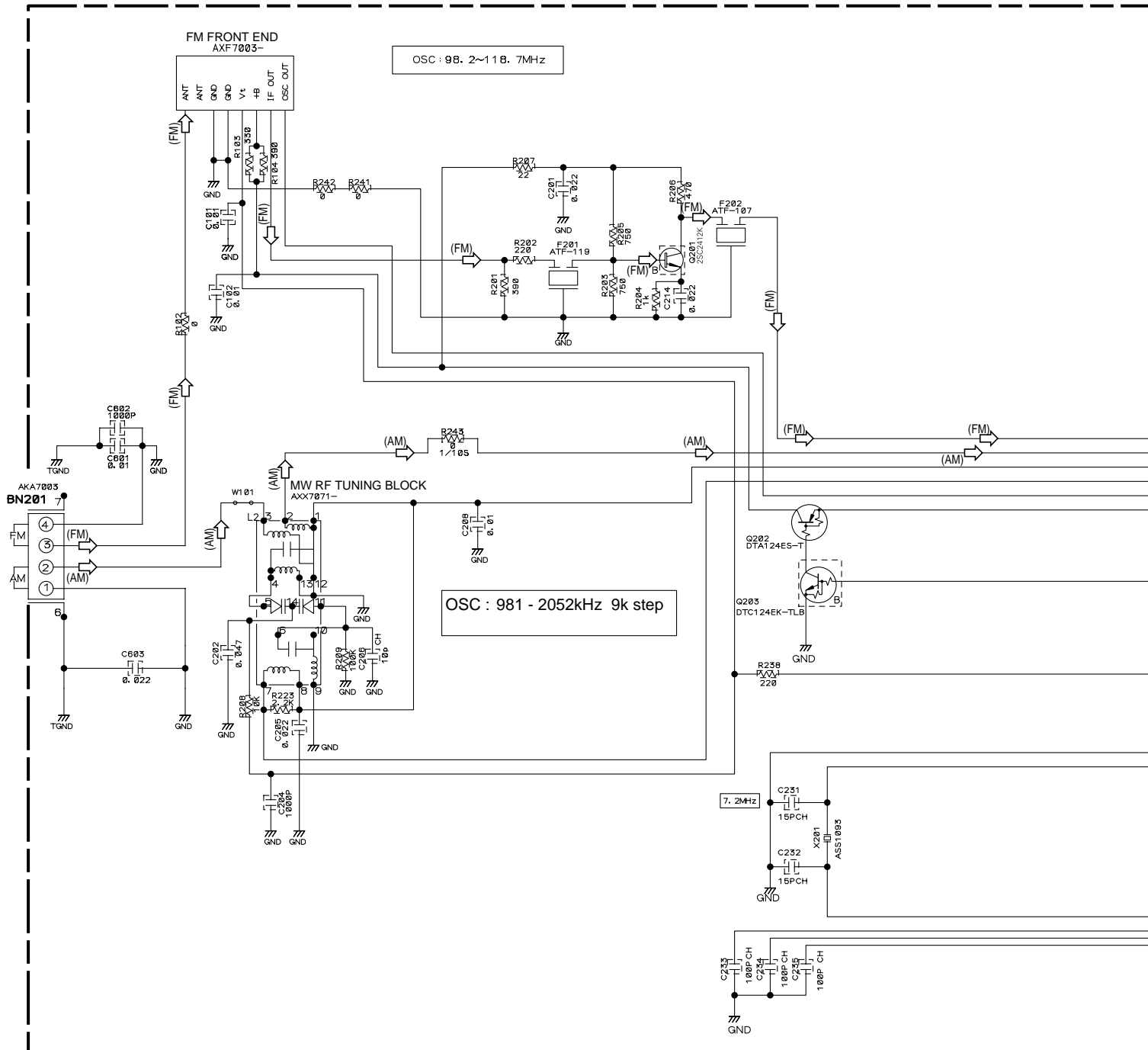


IC4501 IC4502

3. SCHEMATIC DIAGRAM

3.1 FM/AM TUNER UNIT

AF FM/AM TUNER UNIT (AXQ7228)



Notes

1. RESISTORS


Indicated in Ω, 1/16W±5% Tolerance unless otherwise noted K:KΩ, M:MΩ.

2. CAPACITORS

Indicated in Capacity (μF)/VOLTAGE (V) unless otherwise noted P:PF.

3. DIODES

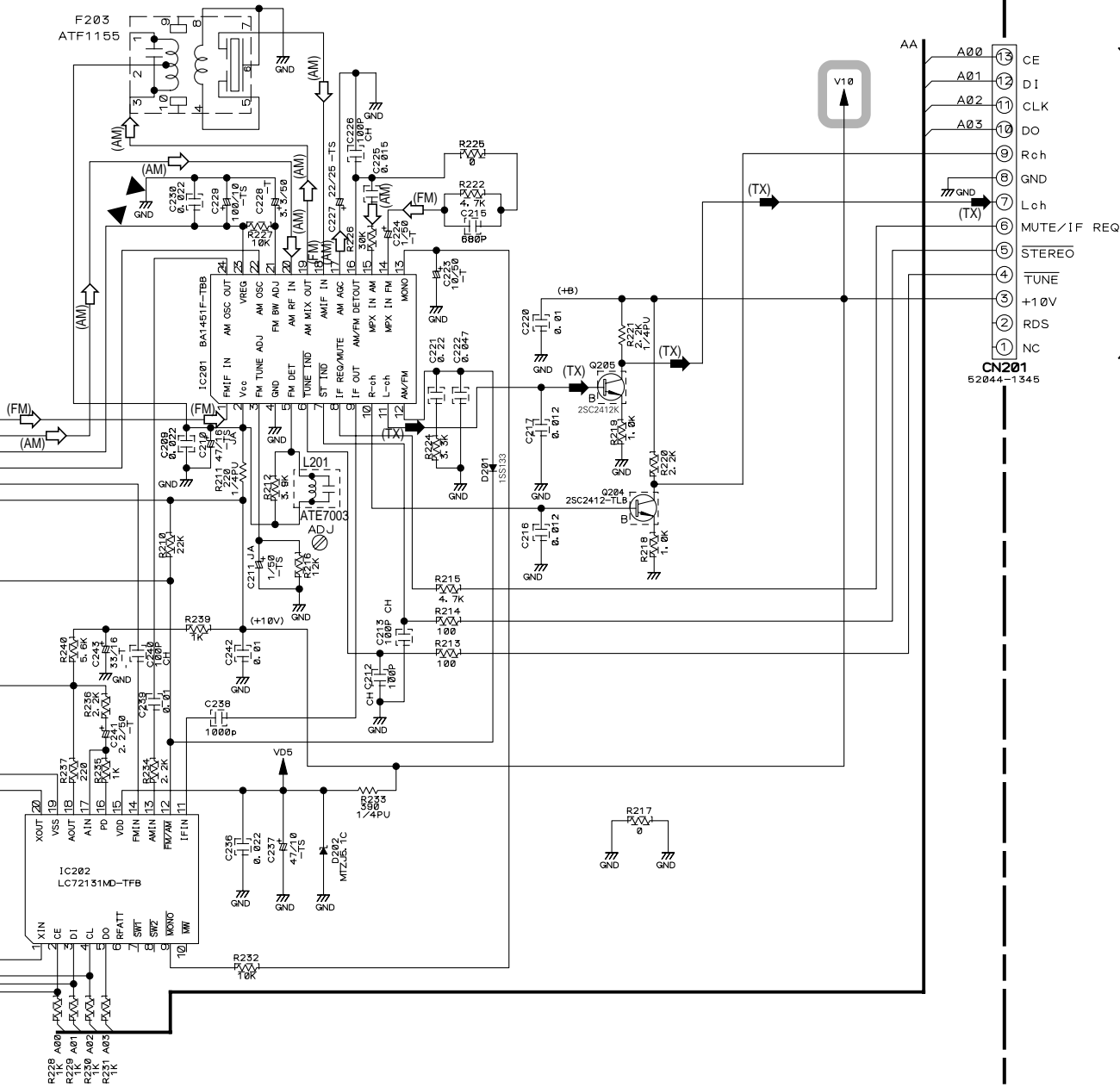
No mark diode is 1SS133.

 : The power supply is shown with the marked box.

 : AUDIO SIGNAL ROUTE (TUNER)

 : AM SIGNAL ROUTE

 : FM SIGNAL ROUTE

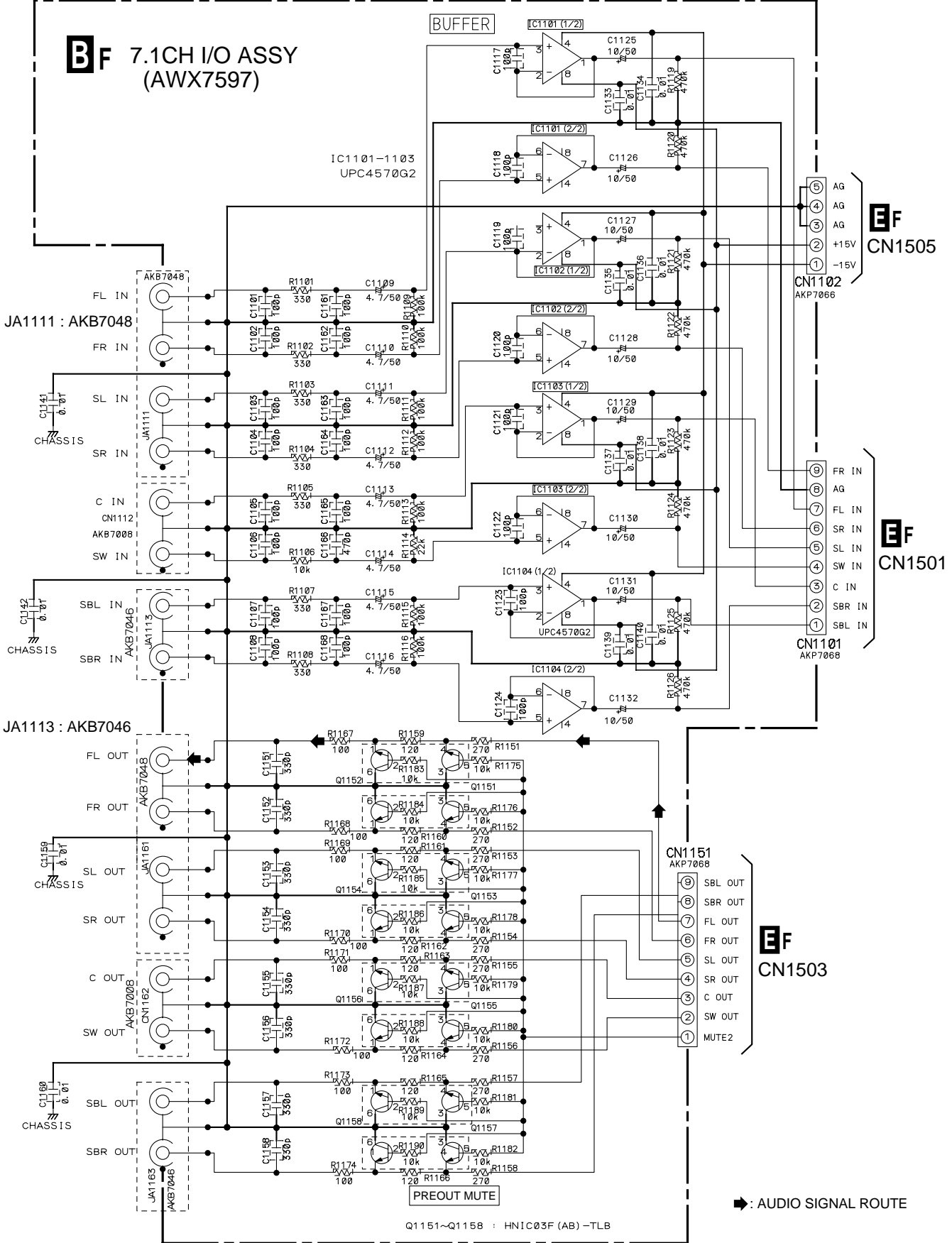


D33F CN291

3.2 7.1CH I/O and INPUT ASSYS

A

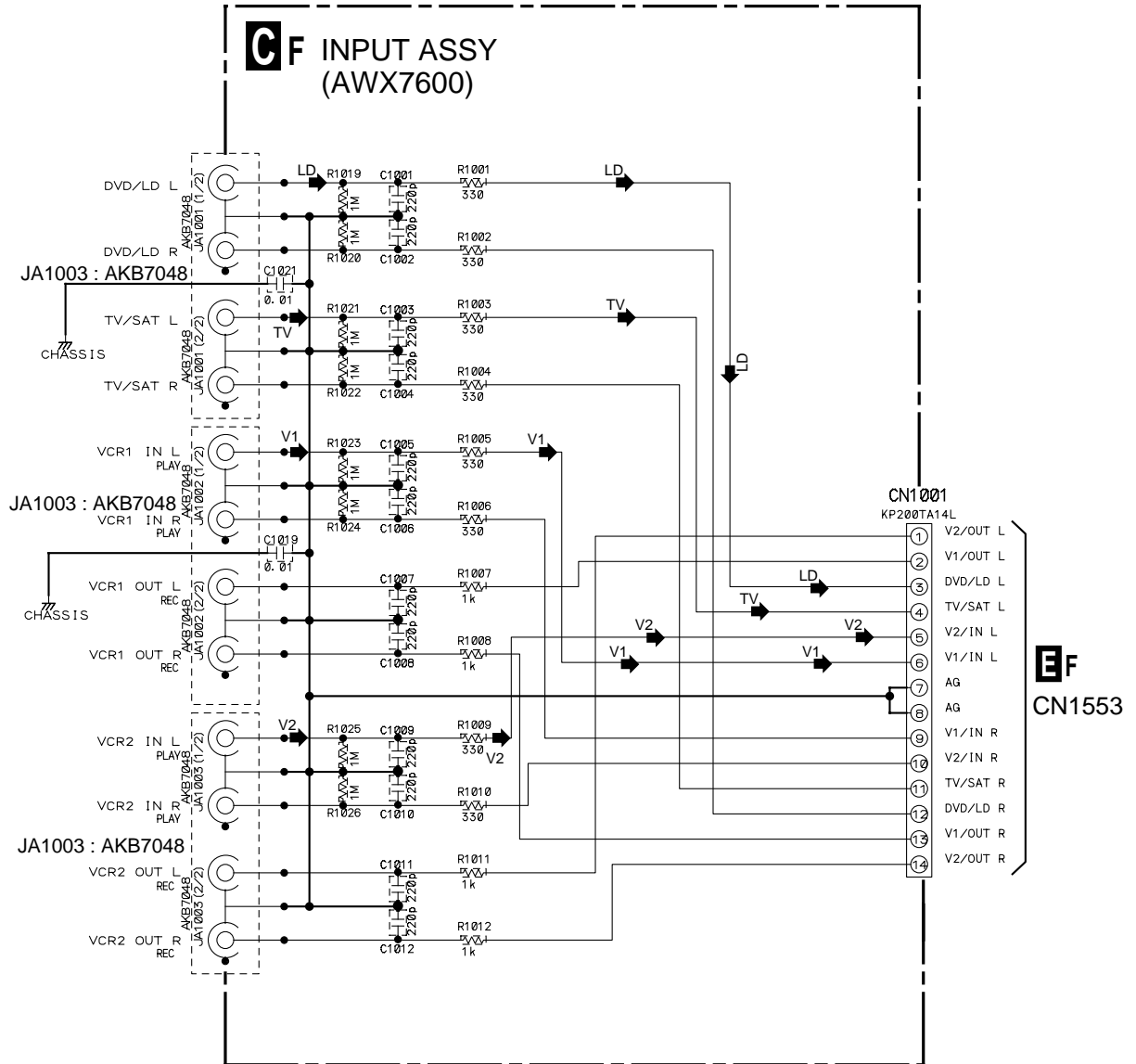
BF 7.1CH I/O ASSY (AWX7597)



B

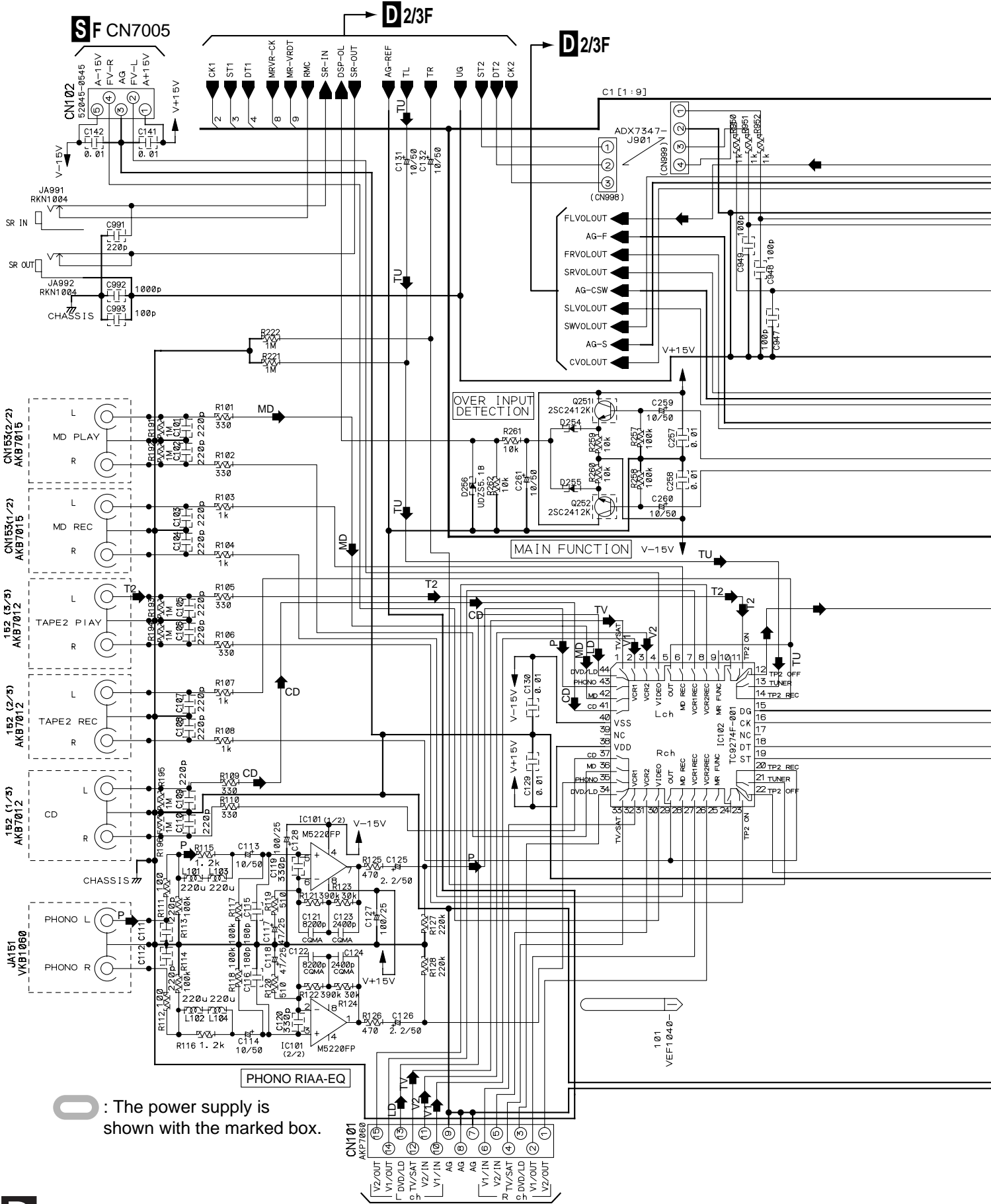
C


D



- ➡ : AUDIO SIGNAL ROUTE
- LD ➡ : AUDIO SIGNAL ROUTE (LD)
- TV ➡ : AUDIO SIGNAL ROUTE (TV)
- V1 ➡ : AUDIO SIGNAL ROUTE (VCR1)
- V2 ➡ : AUDIO SIGNAL ROUTE (VCR2)
- MR ➡ : AUDIO SIGNAL ROUTE (MR)

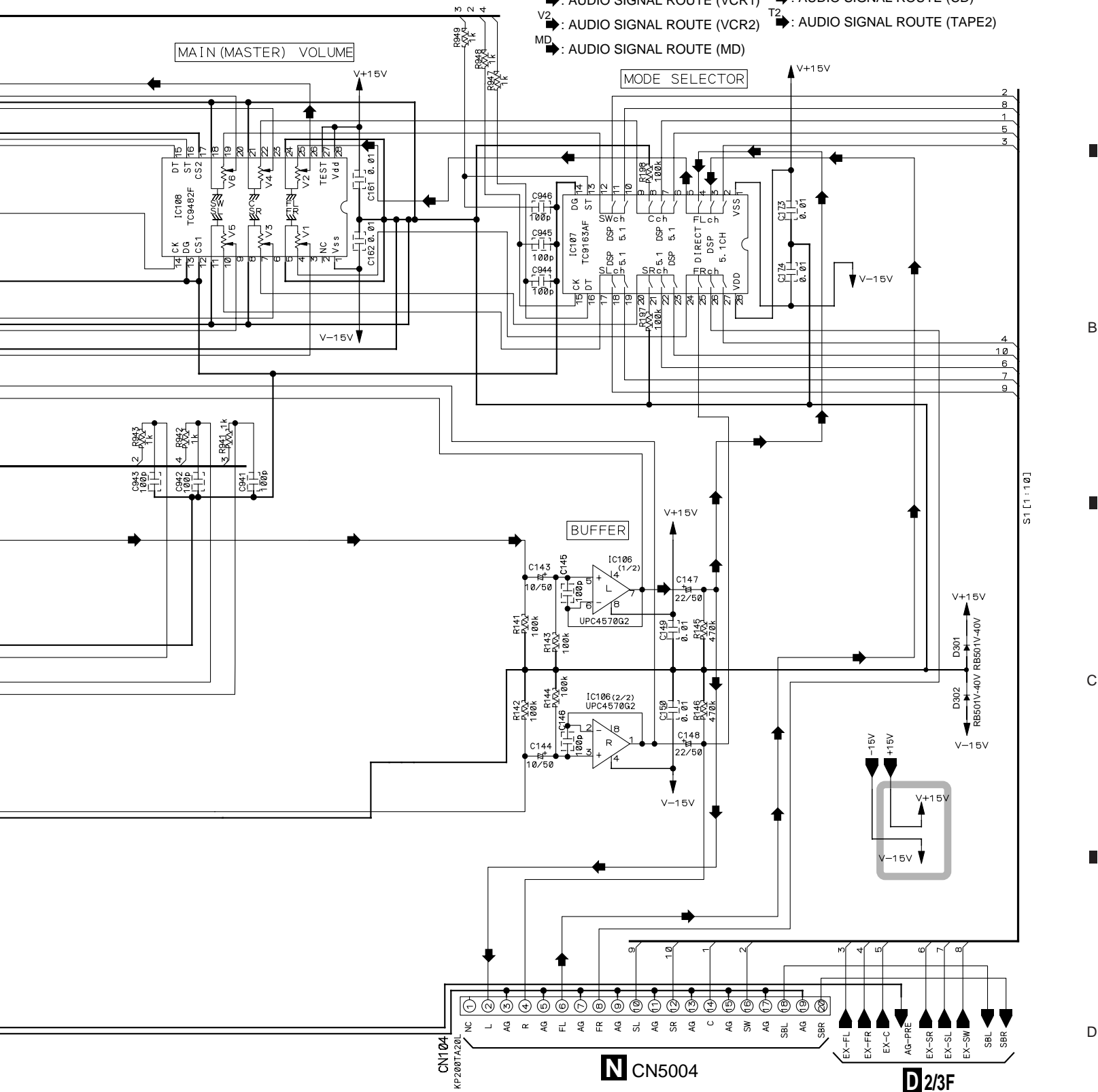
3.3 MAIN CONTROL ASSY (1/3)



 : The power supply is shown with the marked box.

D1/3 F MAIN CONTROL ASSY (VSX-D859TXG : AWX7607)

- ▶ : 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)



A

B

C

D

ST [1:10]

■ CN5004

■ D2/3F

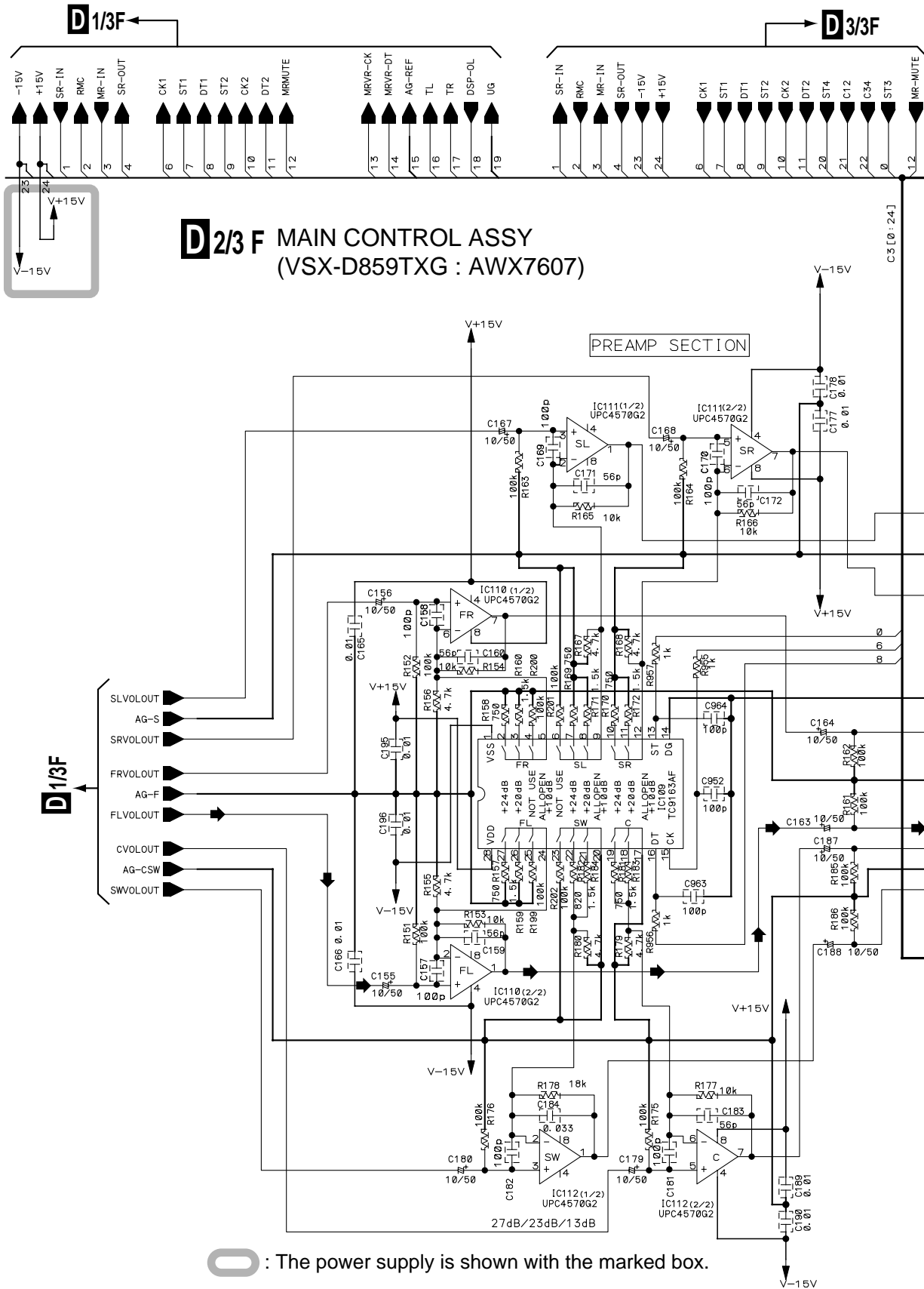
3.4 MAIN CONTROL ASSY (2/3)

A

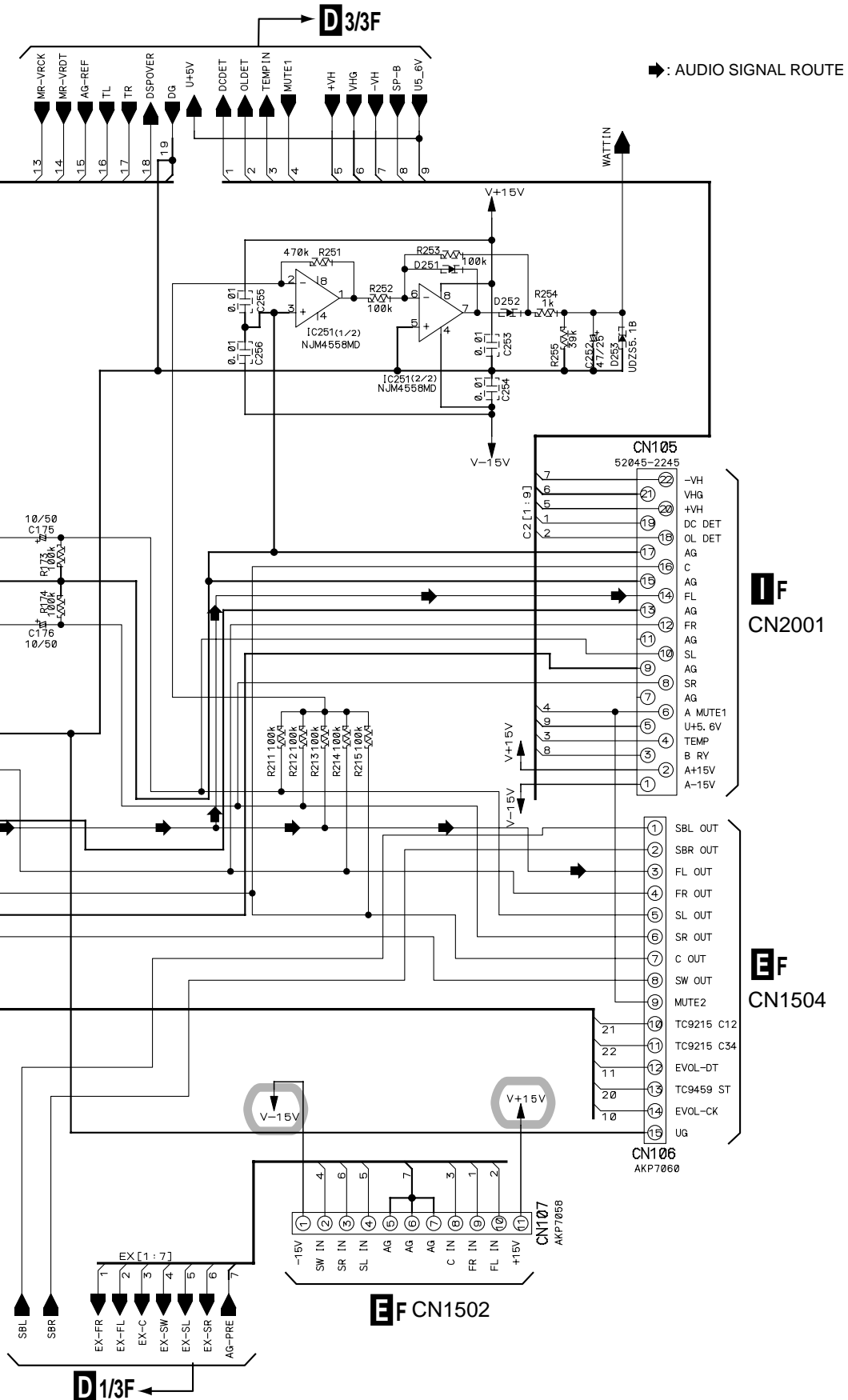
B

C

D



: The power supply is shown with the marked box.



A

B

C

D

3.5 MAIN CONTROL ASSY (3/3)

SF CN7001

A

B

C

D

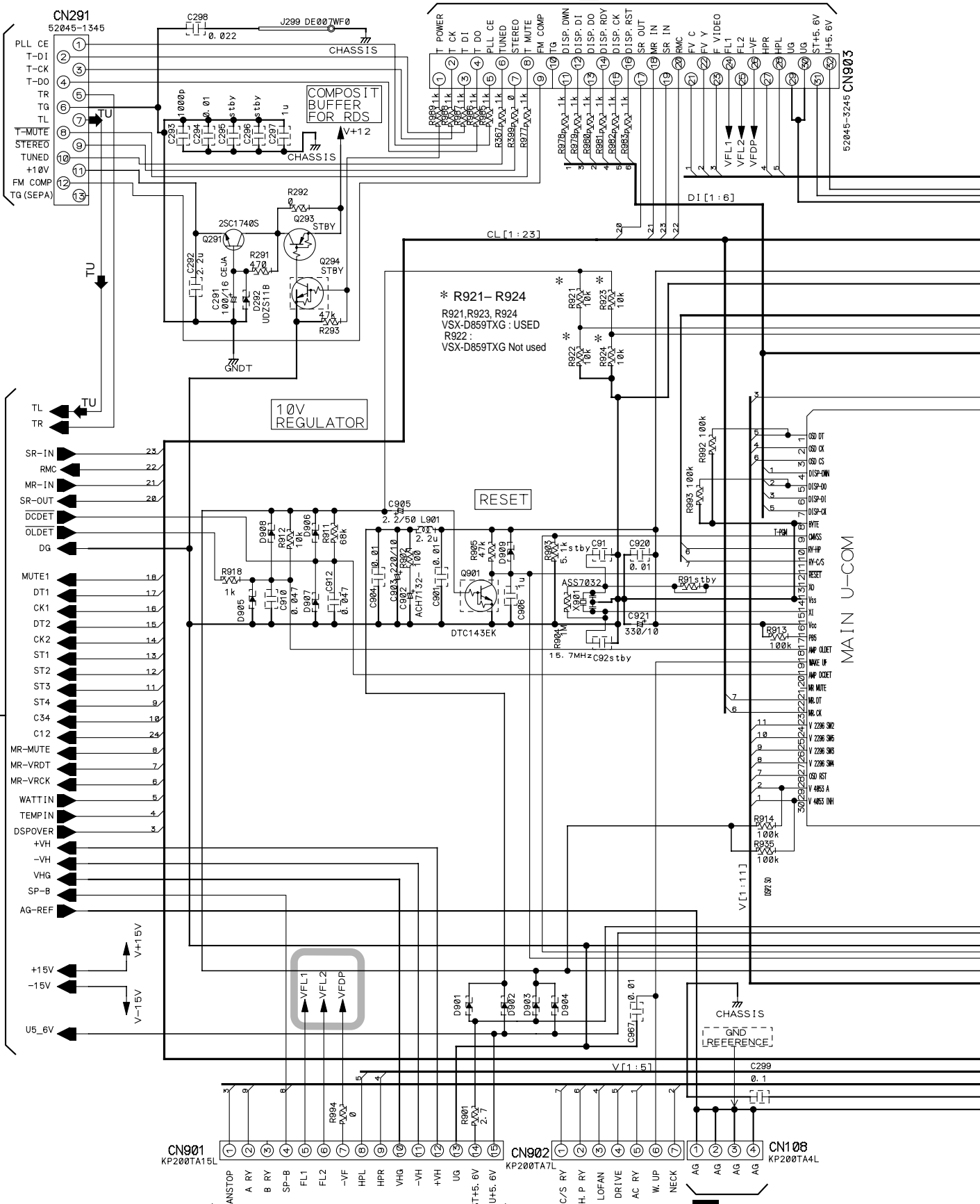
AF CN201

D23F

N CN5005

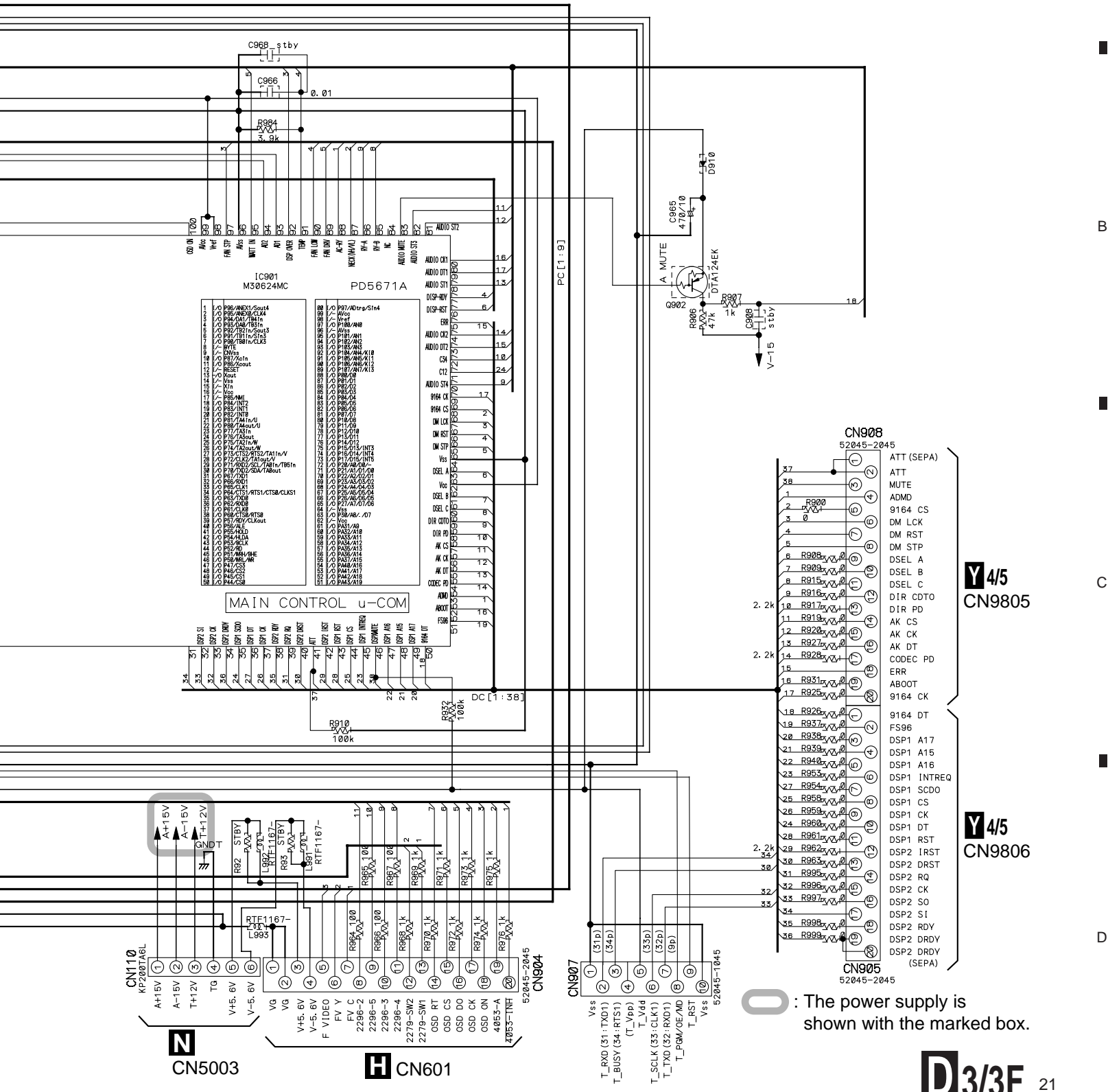
N CN5008

N CN5010



D3/3F MAIN CONTROL ASSY (VSX-D859TXG : AWX7607)

TU : AUDIO SIGNAL ROUTE (TUNER)



Y 4/5
CN9805

Y 4/5
CN9806

The power supply is shown with the marked box.

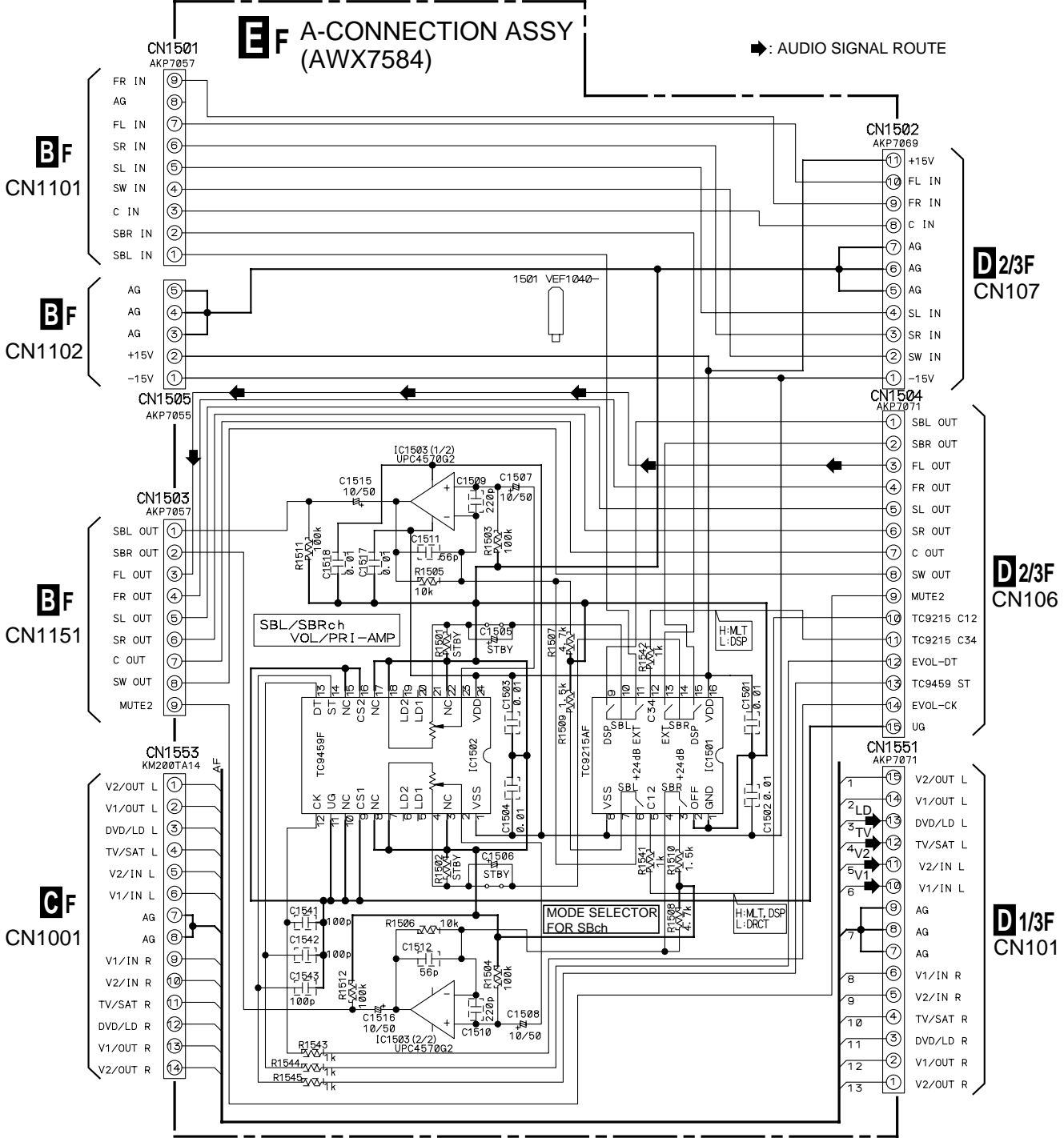
3.6 A-CONNECTION and V-AMP ASSYS

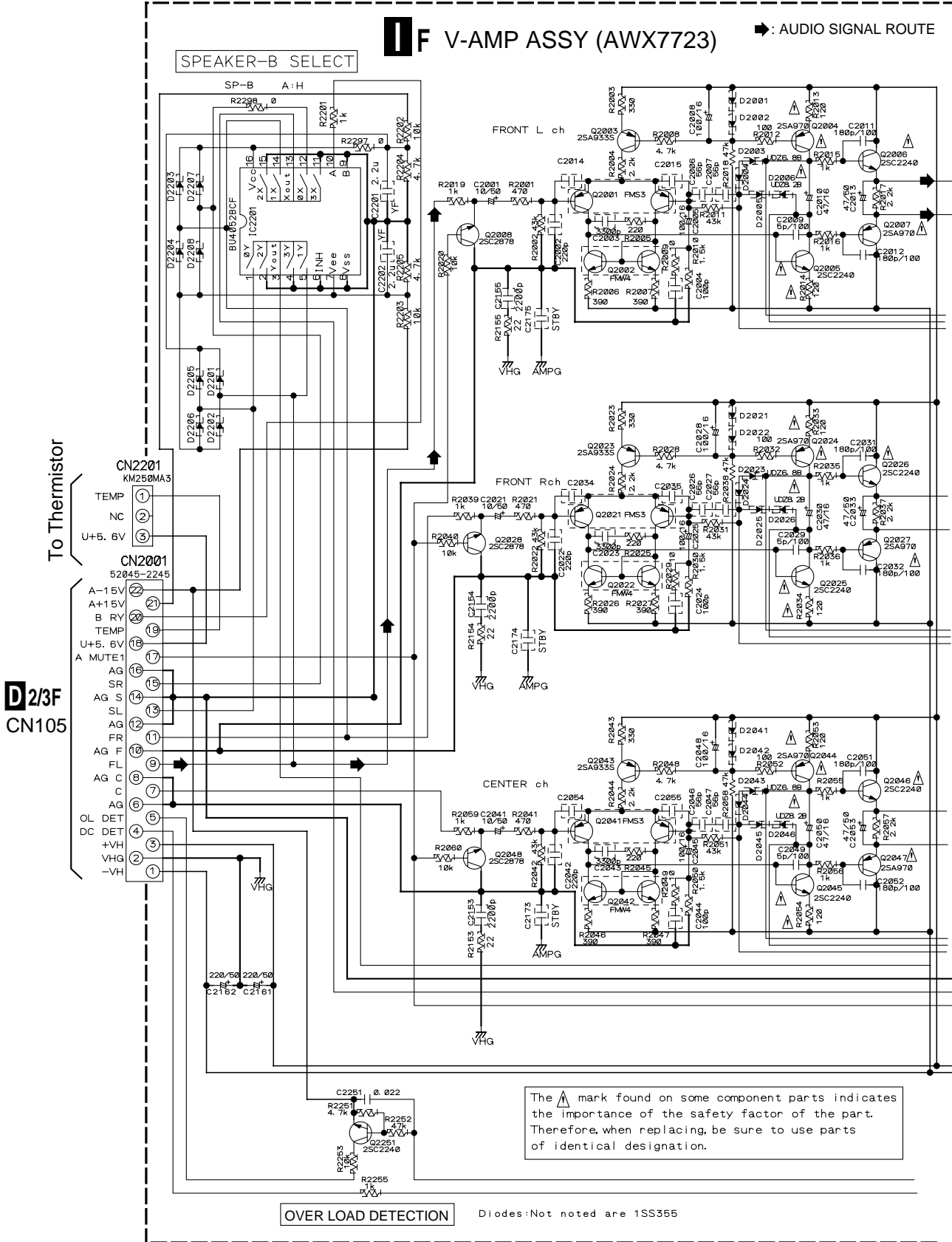
A

B

C

D





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.



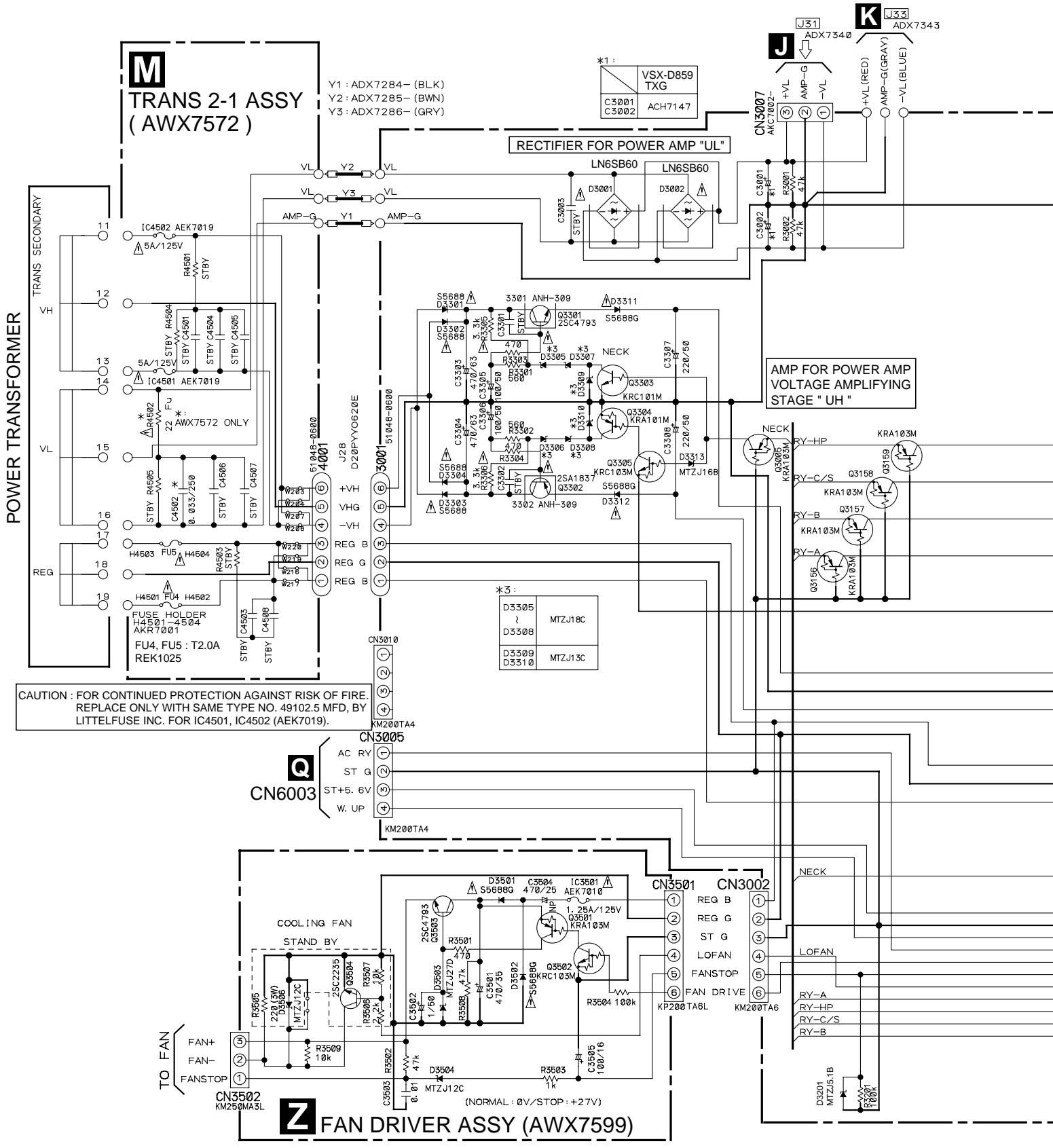
3.7 TRANS 2-1, FAN DRIVER and SP/PS ASSYS

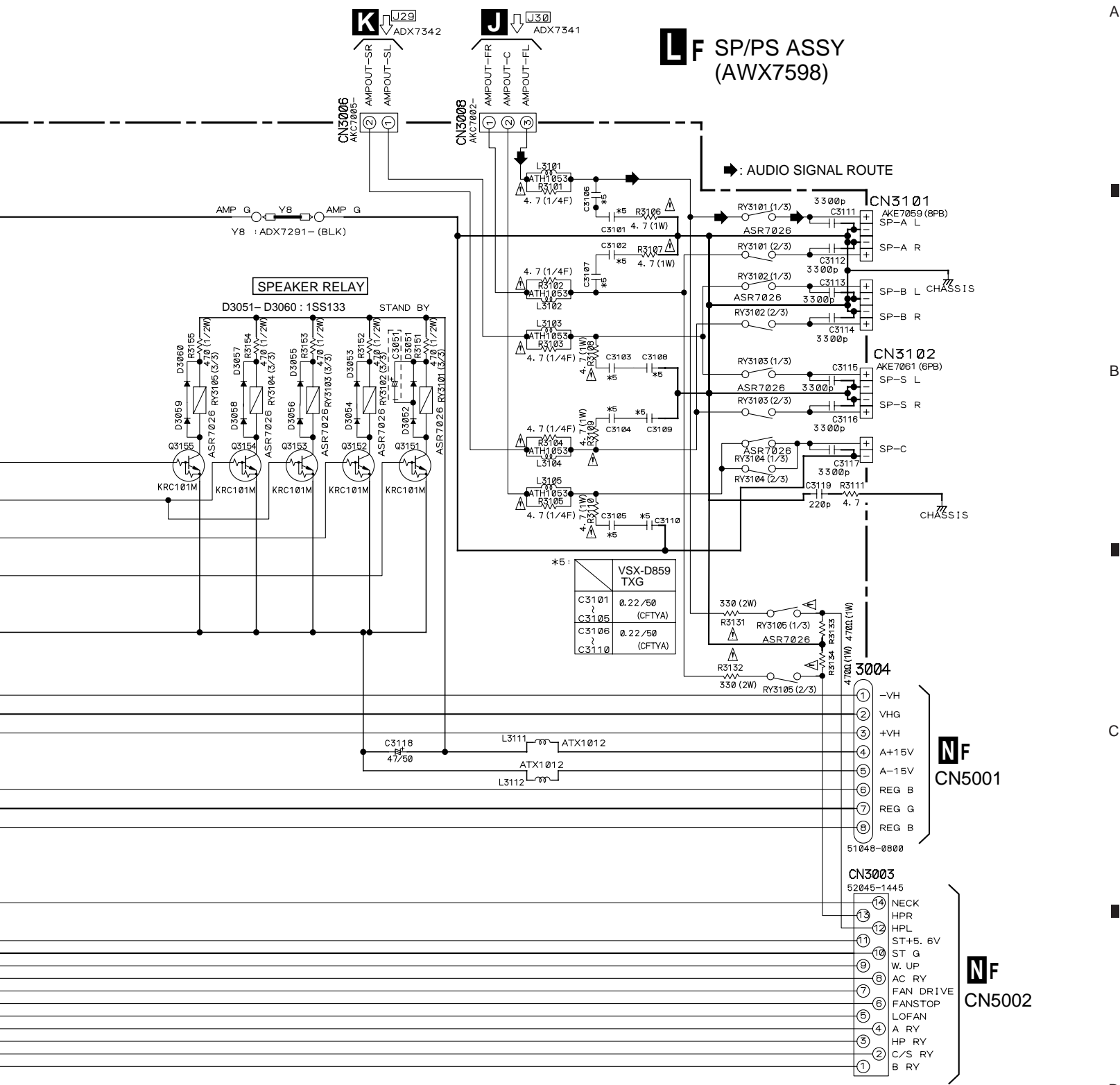
A

B

C

D





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



3.8 REGULATOR, TRANS 1 and TRANS 2-2 ASSYS

CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE.
REPLACE ONLY WITH SAME TYPE NO. 491.200 MFD, BY
LITTELFUSE INC. FOR IC5009, IC5010 (AEK7023).

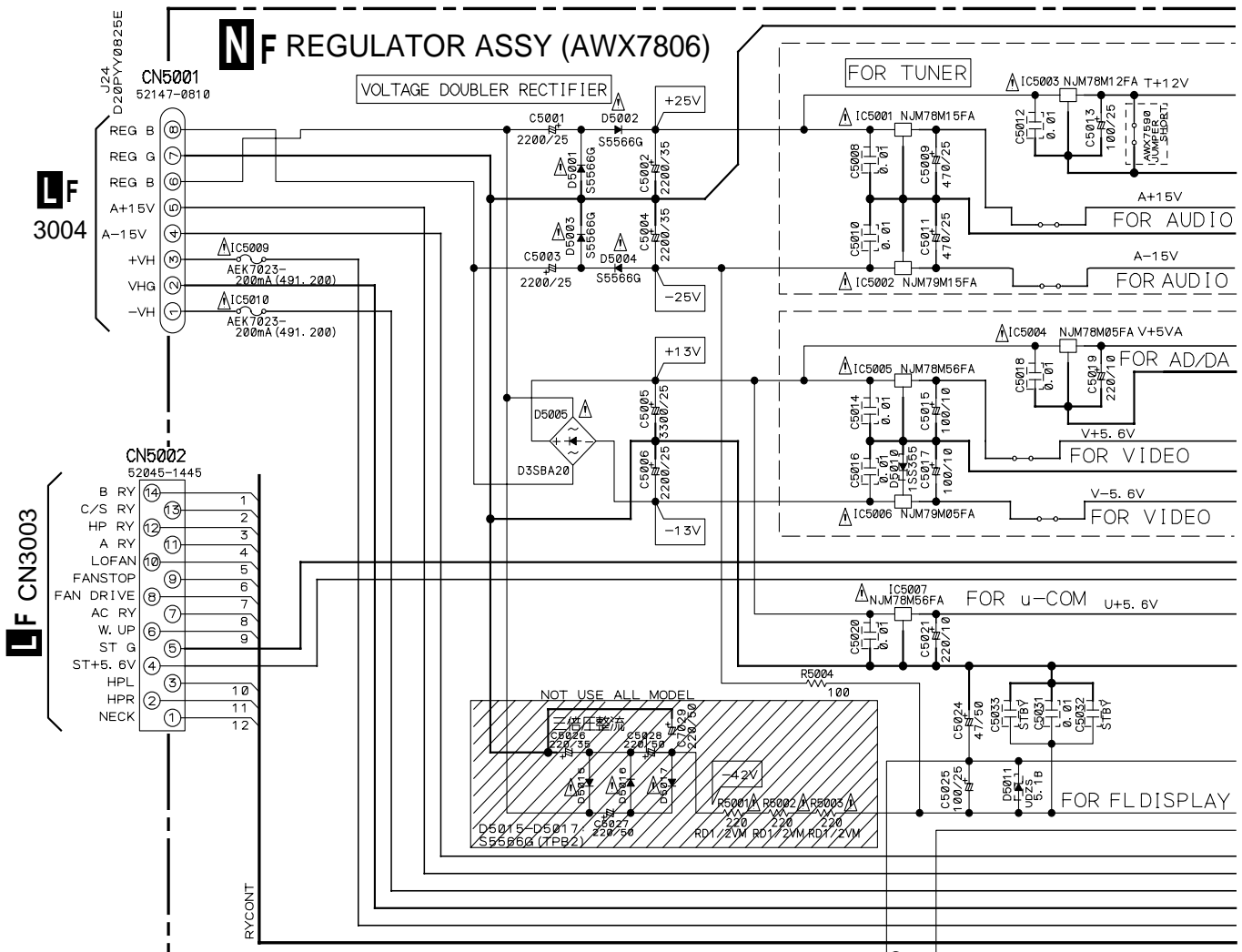
CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE.
REPLACE ONLY WITH SAME TYPE NO. 491005 MFD, BY
LITTELFUSE INC. FOR IC5501 (AEK7019).

A

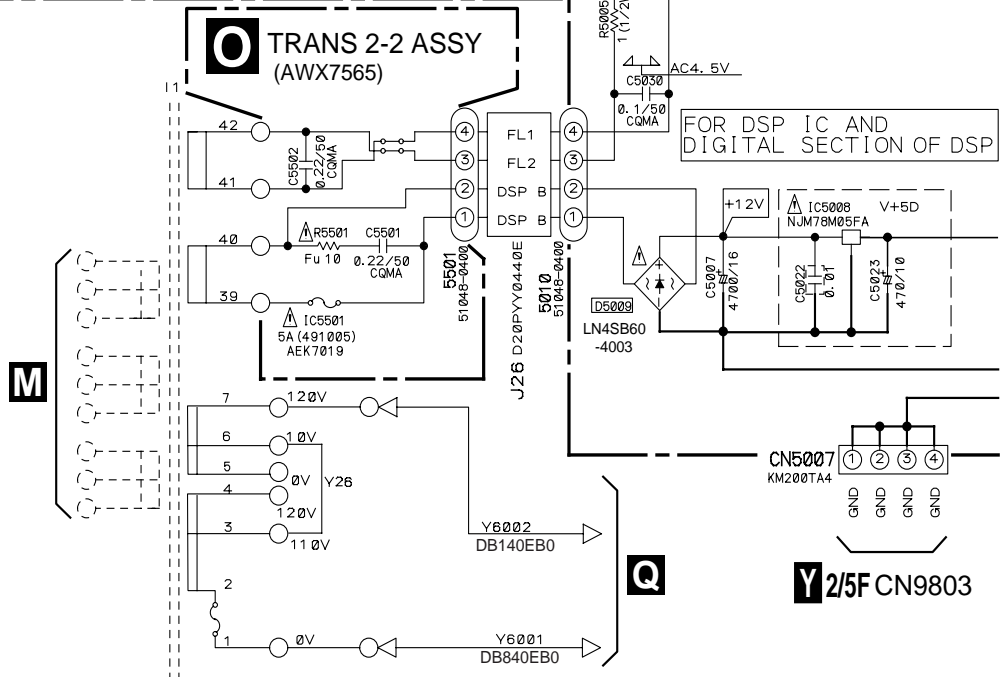
B

C

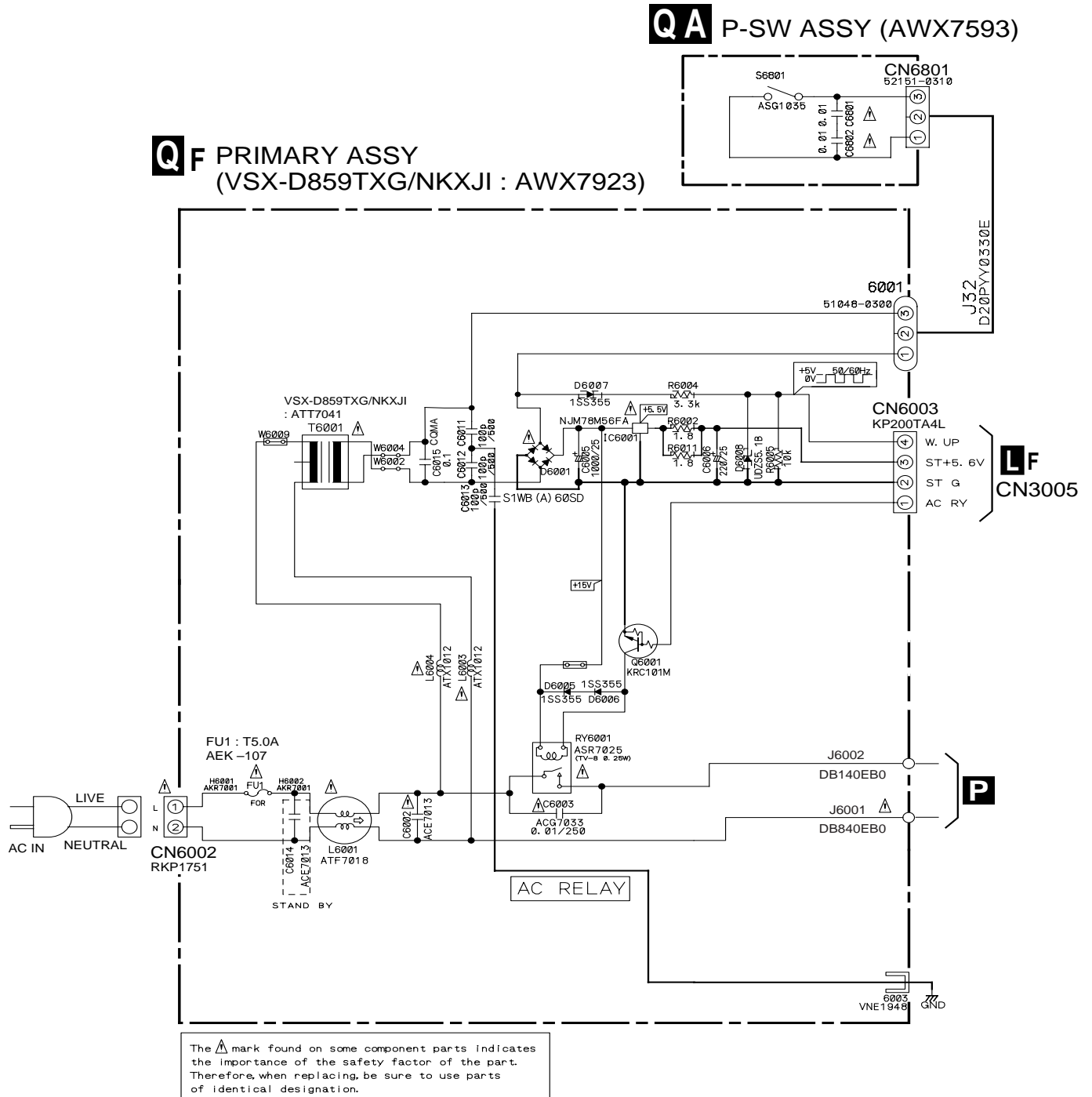
D



O TRANS 2-2 ASSY (AWX7565)



3.9 PRIMARY and P-SW ASSYS

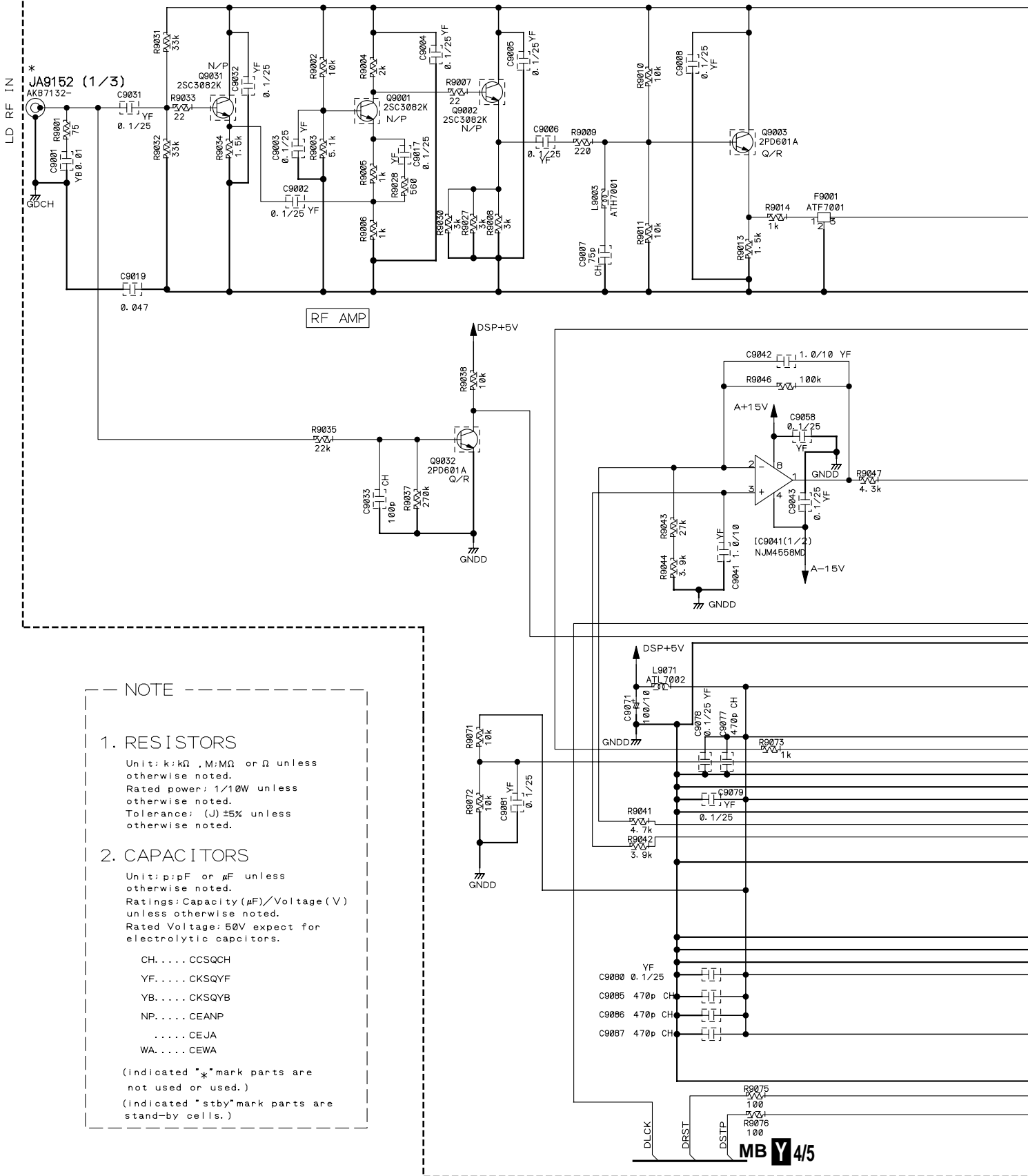


• NOTE FOR FUSE REPLACEMENT

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

3.10 DSP ASSY (1/5)

Y 1/5 F DSP ASSY (AWX7595)

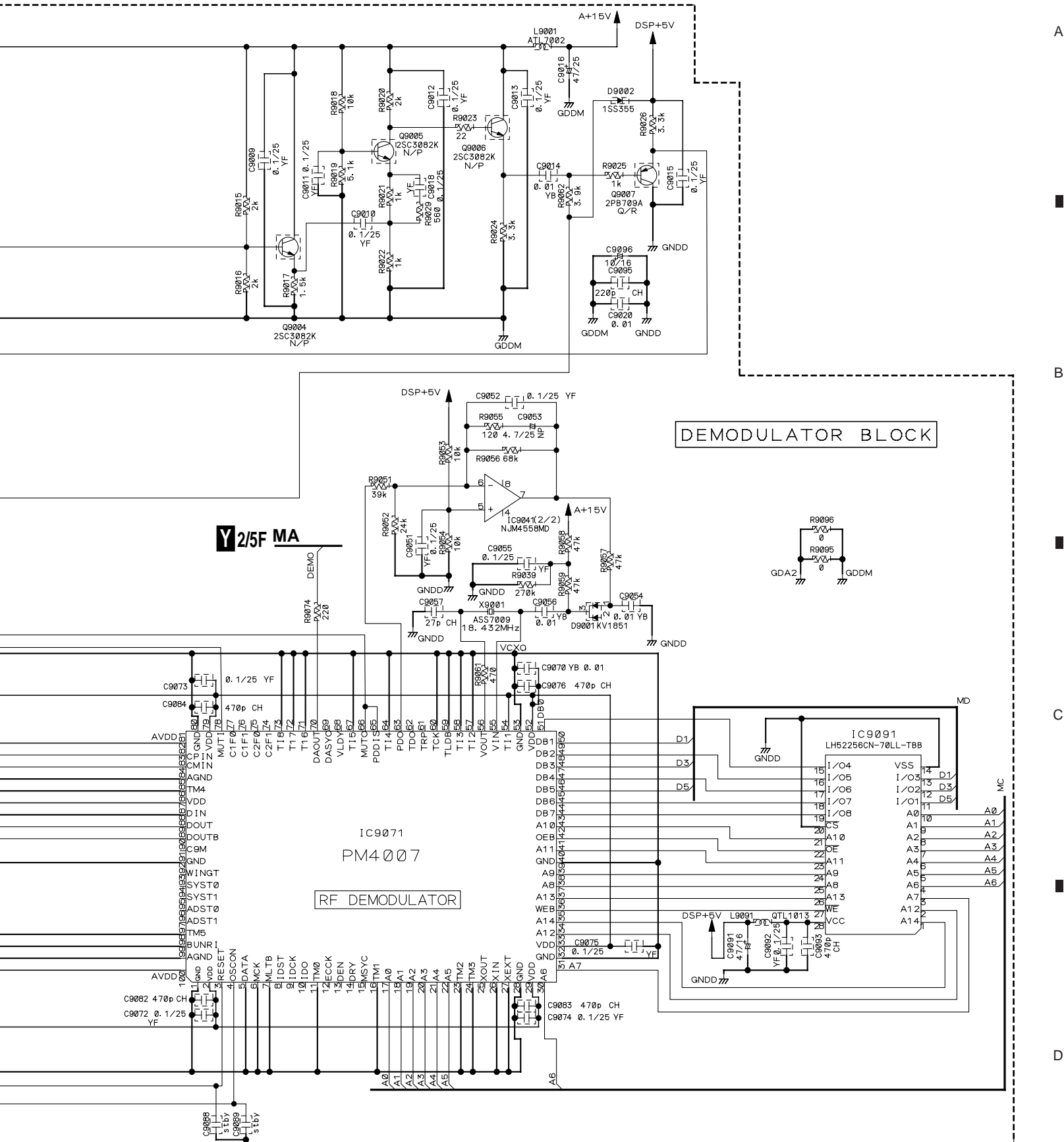


NOTE

- RESISTORS**
 Unit: k:KΩ, M:MΩ or Ω unless otherwise noted.
 Rated power: 1/10W unless otherwise noted.
 Tolerance: (J) ±5% unless otherwise noted.
- CAPACITORS**
 Unit: p:pF or μF unless otherwise noted.
 Ratings: Capacity (μF)/Voltage (V) unless otherwise noted.
 Rated Voltage: 50V expect for electrolytic capacitors.

CH.....CCSQCH
 YF.....CKSQYF
 YB.....CKSQYB
 NP.....CEANP
CEJA
 WA.....CEWA

(indicated "*" mark parts are not used or used.)
 (indicated "stby" mark parts are stand-by cells.)



DEMODULATOR BLOCK

RF DEMODULATOR

Y 2/5F MA

3.11 DSP ASSY (2/5)

A

B

C

D

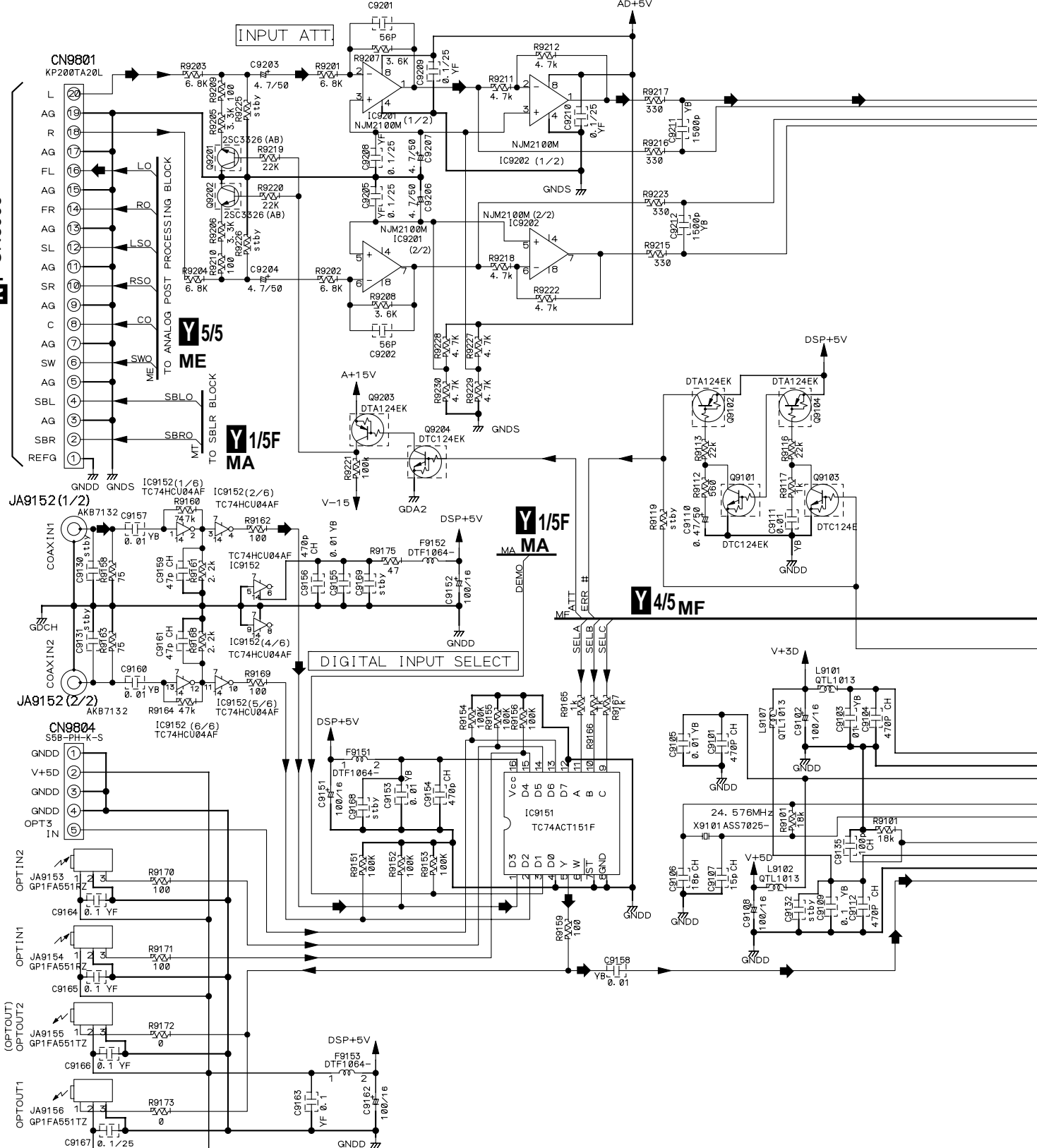
NF CN5009

Y 5/5
ME

Y 1/5F
MA

Y 1/5F
MA

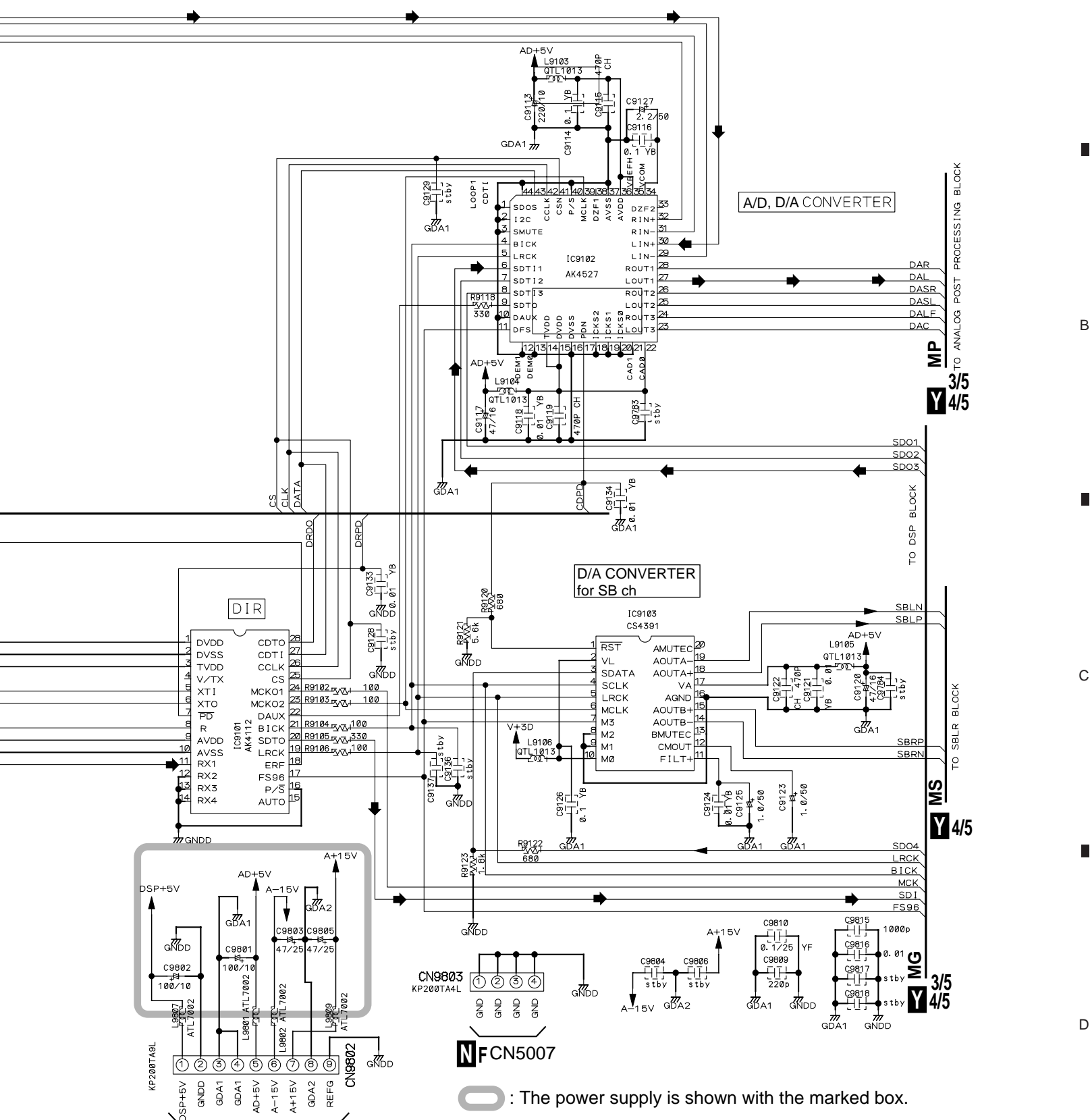
Y 4/5 MF



Y2/5 F DSP ASSY (AWX7595)

➡: AUDIO SIGNAL ROUTE

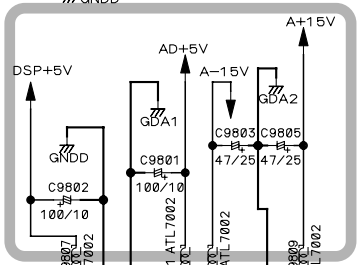
A



A/D, D/A CONVERTER

D/A CONVERTER for SB ch

DIR



KN9803 KP200TA4L

NFCN5007

○: The power supply is shown with the marked box.

MP 3/5 4/5 TO ANALOG POST PROCESSING BLOCK

SDO1 SDO2 SDO3 TO DSP BLOCK

SBLN SBLP TO SBLR BLOCK MS 4/5

SDO4 LRCK BICK MCK SD1 FS96 MG 3/5 4/5

N CN5006

Y2/5 F

4. REMOTE CONTROL UNIT [AXD7273]

4.1 CONTRAST OF MISCELLANEOUS PARTS

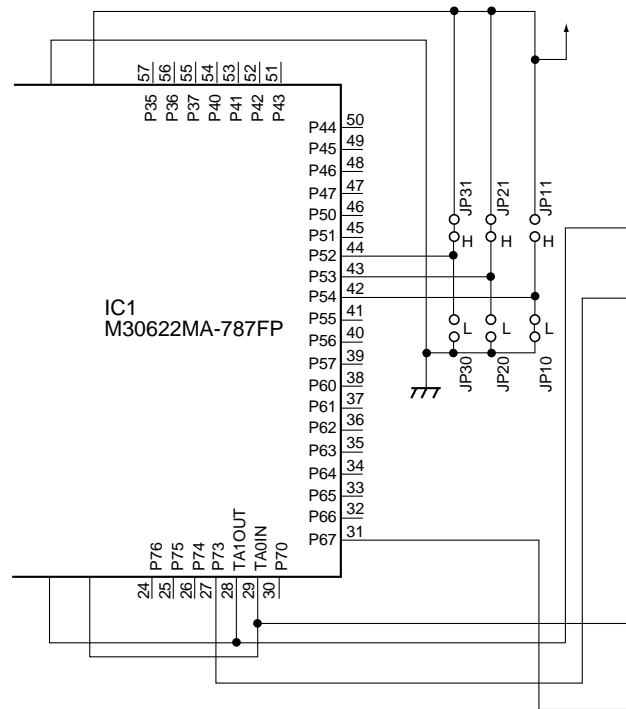
- NOTES :
- Parts marked by “NSP” are generally unavailable because they are not in our Master Spare Parts List.
 - The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
 -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

■ CONTRAST TABLE

AXD7273 and AXD7266 are constructed the same except for the following:

Ref. No.	Mark	Symbol and Description	Part No.		Remarks
			AXD7266	AXD7273	
P100-3		Rubber Sheet	AZA7397	AZA7402	
P100-15		Case A Assy	AZA7864	AZA7863	

■ REMOTE PCB MODEL SWITCH



MODEL SWITCH

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