

Service Manual

 **PIONEER®**
The Art of Entertainment

ORDER NO.
RRV1916

STEREO CD CASSETTE DECK RECEIVER

XR-A100 XR-A100-K

● Refer to the service manual RRV1883 for XR-A100-K/KCXJ .

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

Type	Model		Power Requirement	Remarks
	XR-A100	XR-A100-K		
MYXK	○	○	AC220-230V	
NVXK	○	○	AC230V	
YPWXJ	○	—	AC240V	

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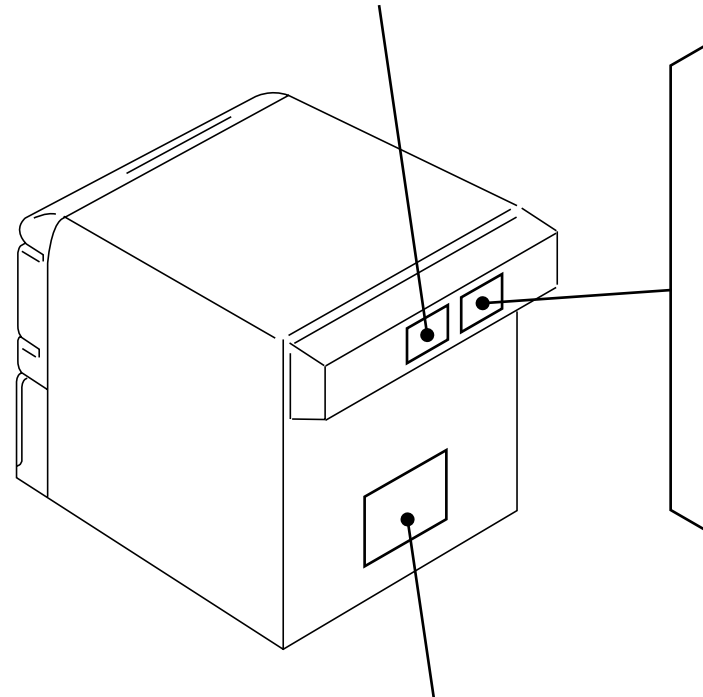
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1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

LABEL CHECK



MYXK Type

VARO!

Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.

WARNING!

Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.

PRW1233

NAME LABEL

CLASS 1
LASER PRODUCT

MYXK Type

ADVARSEL

USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSafbrydere ER UDE AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.

VORSICHT!

UNSICHTBARE LASER-STRÄHLUNG TRIT AUS, WENN DECKEL (ODER KLAPPE) GEÖFFNET IST! NICHT DEM STRAHL AUSSETZEN!

VRW1094

NVXK Type

CAUTION

INVISIBLE LASER RADIATION

WHEN OPEN, AVOID

EXPOSURE TO BEAM

ARW1050

Additional Laser Caution

1. Laser Interlock Mechanism

The position of the switch (S8501) for detecting loading state is detected by the system microprocessor, and the design prevents laser diode oscillation when the switch (S8501) is pressed physically. Thus, the interlock will no longer function if the switch (S8501) is released physically and deliberately.

The interlock also does not function in the test mode *. Laser diode oscillation will continue, if pin 62 of LA9240ML (IC8101) on the CD ASSY mounted on the \$M Loading Mechanism assembly is connected to GND, or else the terminals of Q8101 are shorted to each other (fault condition).

2. When the cover is opened, close viewing of the objective lens with the naked eye will cause exposure to a Class 1 laser beam.

LAZER DIODE CHARACTERISTICS

MAXIMUM OUTPUT POWER: 5 mw

WAVELENGTH: 780 – 785 nm

MYXK, NVXK and YPWXJ Types

* : Refer to page 52 on the service manual RRV1883.

2. CONTRAST OF MISCELLANEOUS PARTS

NOTES: ●Parts marked by "NSP" and ⊗ can not be supplied.

●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%).

$560\ \Omega \rightarrow 56 \times 10^1 \rightarrow 561 \dots\dots\dots RD1/4PU \begin{array}{|c|c|c|} \hline 5 & 6 & 1 \\ \hline \end{array} J$
 $47k\ \Omega \rightarrow 47 \times 10^3 \rightarrow 473 \dots\dots\dots RD1/4PU \begin{array}{|c|c|c|} \hline 4 & 7 & 3 \\ \hline \end{array} J$
 $0.5\ \Omega \rightarrow R50 \dots\dots\dots RN2H \begin{array}{|c|c|c|} \hline R & 5 & 0 \\ \hline \end{array} K$
 $1\ \Omega \rightarrow 1R0 \dots\dots\dots RS1P \begin{array}{|c|c|c|} \hline 1 & R & 0 \\ \hline \end{array} K$

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

$5.62k\ \Omega \rightarrow 562 \times 10^1 \rightarrow 5621 \dots\dots\dots RN1/4PC \begin{array}{|c|c|c|c|c|} \hline 5 & 6 & 2 & 1 & \\ \hline \end{array} F$

●Reference Nos. indicate the pages and Nos. in the service manual for the base model.

■ CONTRAST TABLE

XR-A100/MYXK, NVXK, YPWXJ, XR-A100-K/MYXK, NVXK and XR-A100-K/KCXJ are constructed the same except for the following :

Ref. No.	Mark	Symbol and Description	Part No.						Remarks
			XR-A100-K /KCXJ	XR-A100 /MYXK	XR-A100 /NVXK	XR-A100 /YPWXJ	XR-A100-K /MYXK	XR-A100-K /NVXK	
P7- 1	⊗	AF Assy	XWM3004	XWM3007	XWM3007	XWM3001	XWM3007	XWM3007	*1
	NSP	POWER SUPPLY Assy	XWM3005	AWM7260	AWM7260	AWM7283	AWM7260	AWM7260	
P7- 2	⊗	└TRANS Assy	XWZ3010	AWZ8547	AWZ8547	AWZ8538	AWZ8547	AWZ8547	*1
P7- 3	⊗	└POWER Assy	XWZ3011	AWZ8548	AWZ8548	AWZ8534	AWZ8548	AWZ8548	*1
P7-29	⊗	└POWER Assy 2	XWZ3012	Not used	Not used	Not used	Not used	Not used	
P7-30	⊗	└TRANS 2 Assy	XWZ3013	Not used	Not used	Not used	Not used	Not used	
	NSP	COMPLEX Assy	XWM3006	XWM3008	XWM3008	XWM3002	XWM3008	XWM3008	
P9- 1	⊗	└DECK Assy	XWZ3007	XWZ3017	XWZ3017	XWZ3002	XWZ3017	XWZ3017	
P9- 4	⊗	└DISPLAY Assy	XWZ3014	XWZ3016	XWZ3016	XWZ3001	XWZ3016	XWZ3016	
P9- 5	⊗	└LCD Assy	XWZ3015	XWZ3018	XWZ3018	XWZ3006	XWZ3018	XWZ3018	
P9- 6	⊗	└LAMP Assy	XWZ3008	XWZ3024	XWZ3024	XWZ3008	XWZ3024	XWZ3024	
P7- 4	⊗	FM/AM TUNER MODULE	AXQ7061	AXQ7077*2	AXQ7077*2	AXQ7061	AXQ7077*2	AXQ7077*2	
P3-1		FM Antenna	ADH7004	ADH7005	ADH7005	ADH7004	ADH7005	ADH7005	
P3-2		Operating Instructions (English/French/Spanish)	XRE3005	Not used	Not used	XRE3005	Not used	Not used	
		Operating Instructions (French/German/Dutch)	Not used	XRC3001	Not used	Not used	XRC3001	Not used	
		Operating Instructions (Italian/Swedish/Russian)	Not used	XRC3002	Not used	Not used	XRC3002	Not used	
		Operating Instructions (English/Spanish/Portuguese)	Not used	XRE3006	Not used	Not used	XRE3006	Not used	
		Operating Instructions (English)	Not used	Not used	XRB3001	Not used	Not used	XRB3001	
P3-3		AM Loop Antenna	XTB3001	ATB7007	ATB7007	XTB3001	ATB7007	ATB7007	
P3-4		Remote Control Unit (CU-XR040)	XZN3002	XZN3002	XZN3002	Not used	XZN3002	XZN3002	
P3-4		Remote Control Unit (CU-XR039)	Not used	Not used	Not used	XZN3003	Not used	Not used	
P3-10		Packing Case	XHD3008	XHD3010	XHD3010	XHD3007	XHD3031	XHD3031	
P3-11		Packing Sheet	AHG7003	AHG7001	AHG7001	AHG7003	AHG7001	AHG7001	

Notes *1 : Refer to "PCB PARTS LIST", "3. SCHEMATIC DIAGRAM" and "4. PCB CONNECTION DIAGRAM".

*2 : Refer to "PCB PARTS LIST", "3. SCHEMATIC DIAGRAM", "4. PCB CONNECTION DIAGRAM" and "5. ADJUSTMENT".

XR-A100, XR-A100-K

Ref. No.	Mark	Symbol and Description	Part No.						Remarks
			XR-A100-K /KCXJ	XR-A100 /MYXK	XR-A100 /NVXK	XR-A100 /YPWXJ	XR-A100-K /MYXK	XR-A100-K /NVXK	
P3-12	NSP	Warranty Card	ARY1075	ARY7010	ARY7010	PRY1003	ARY7010	ARY7010	
P5-6		Tray Cap	XAK3016	XAK3008	XAK3008	XAK3008	XAK3016	XAK3016	
P5-7		Display Panel	XAK3005	XAK3005	XAK3005	XAK3003	XAK3005	XAK3005	
P5-8		Bonnet Case	XZN3005	XZN3001	XZN3001	XZN3001	XZN3005	XZN3005	
P5-13	NSP	ICP & 65 Label	AAX7521	Not used	Not used	Not used	Not used	Not used	
P7-31		PVC Barrier	AEC7074	ANK7029	ANK7029	ANK7029	ANK7029	ANK7029	
P7-5	△	Power Transformer (AC120V)	XTS3004	Not used	Not used	Not used	Not used	Not used	
P7-5	△	Power Transformer (AC220-230V)	Not used	ATS7142	ATS7142	Not used	ATS7142	ATS7142	
P7-5	△	Power Transformer (AC240V)	Not used	Not used	Not used	ATS7139	Not used	Not used	
P7-6	△	Fuse (3.15A, FU1)	REK1081	Not used	Not used	Not used	Not used	Not used	
P7-6	△	Fuse (T1A, FU1)	Not used	AEK1054	AEK1054	Not used	AEK1054	AEK1054	
P7-6	△	Fuse (1A, FU1)	Not used	Not used	Not used	REK1022	Not used	Not used	
P7-7	△	AC Power Cord	PDG1057	ADG7008	ADG7007	ADG1159	ADG7008	ADG7007	
	△	Fuse (T5A) (With in AC Plug)	Not used	Not used	AEK7001	Not used	Not used	AEK7001	
P7-10		GND Plate	ANG7106	ANG7131	ANG7131	ANG7106	ANG7131	ANG7131	
P7-12		Shield Plate	ANG7132	ANG7118	ANG7118	ANG7118	ANG7118	ANG7118	
P7-13		Heat Sink	ANH7063	ANH7047	ANH7047	ANH7059	ANH7047	ANH7047	
P7-15		Rear Cover	AMC7011	AMC7003	AMC7003	AMC7003	AMC7003	AMC7003	
P7-16		Strain Relief	CM-22C	CM-22B	CM-22B	CM-22B	CM-22B	CM-22B	
P7-26	NSP	Name Label	XAX3009	XAX3012	XAX3011	XAX3008	XAX3062	XAX3064	
P7-28		Bracket C	ANG7127	Not used	Not used	Not used	Not used	Not used	
P9-23	NSP	Front Panel Assy	XXG3008	XXG3006	XXG3006	XXG3002	XXG3010	XXG3010	
P9-24		Function Button	XAD3004	XAD3001	XAD3001	XAD3001	XAD3004	XAD3004	
P9-30		Door Pocket L	XAN3003	XAN3001	XAN3001	XAN3001	XAN3003	XAN3003	
P9-31		Door Pocket R	XAN3004	XAN3002	XAN3002	XAN3002	XAN3004	XAN3004	
P9-32		Front Panel	XMB3008	XMB3006	XMB3006	XMB3002	XMB3010	XMB3010	
		DOC Label B	DRW1685	Not used	Not used	Not used	Not used	Not used	
		Bracket A	Not used	ANG7100	ANG7100	ANG7100	ANG7100	ANG7100	*3, No. 1
		Screw (for Bracket A)	Not used	BBZ30P120FMC	BBZ30P120FMC	BBZ30P120FMC	BBZ30P120FMC	BBZ30P120FMC	*3, No. 2
		Screw (for Shield Plate)	Not used	BCZ40P060FZK	BCZ40P060FZK	BCZ40P060FZK	BCZ40P060FZK	BCZ40P060FZK	*3, No. 3
		Ceramic Capacitor	Not used	CKCYB122K50	CKCYB122K50	Not used	CKCYB122K50	CKCYB122K50	*4
		Caution Label HE	Not used	PRW1233	Not used	Not used	PRW1233	Not used	*5
	NSP	Caution Label	Not used	VRW1094	Not used	Not used	VRW1094	Not used	*5
		Caution Label	Not used	Not used	ARW1050	Not used	Not used	ARW1050	*5
		MIC Knob	Not used	Not used	Not used	XAB3001	Not used	Not used	*6

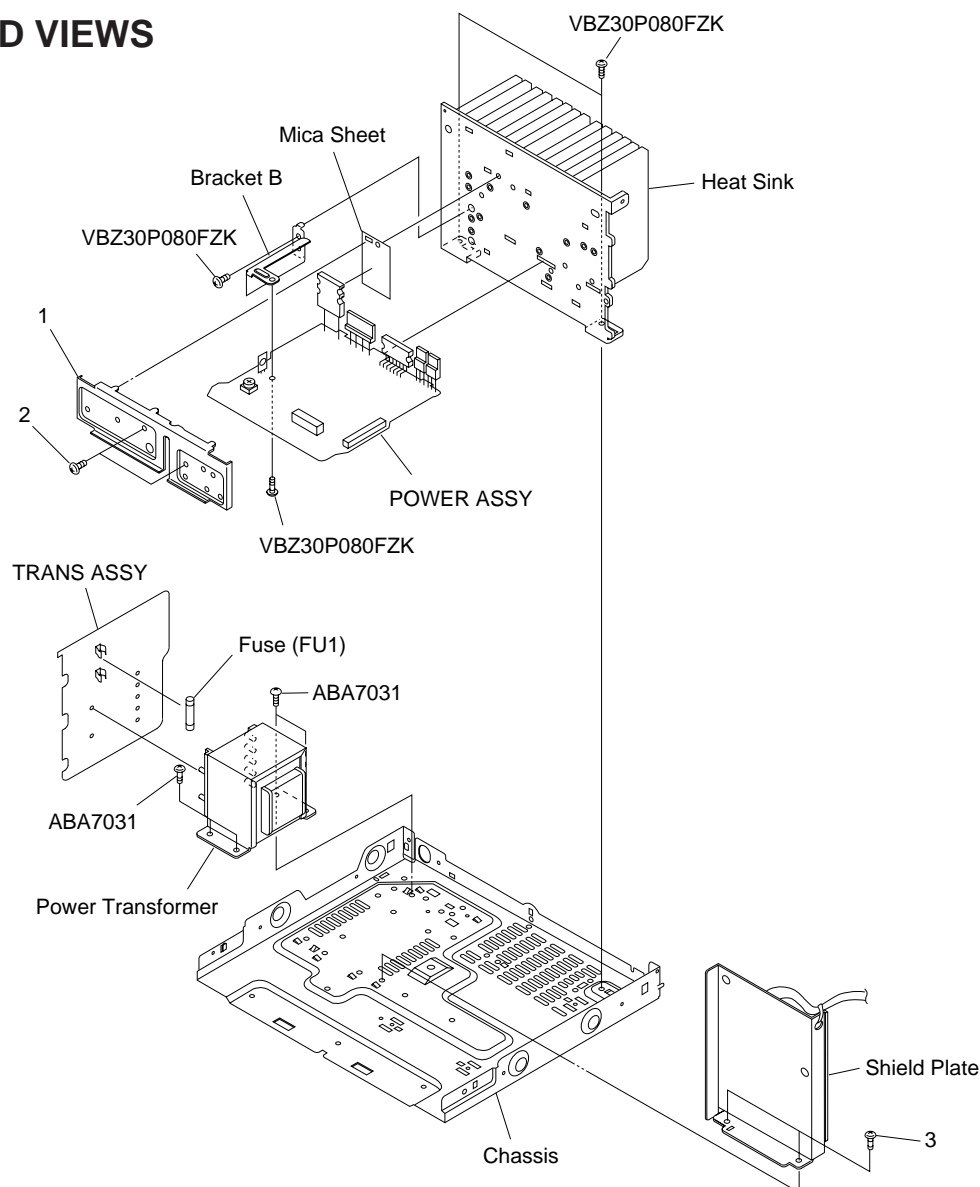
Notes *3 : The numbers in the remarks column correspond to the numbers on the "EXPLODED VIEWS".

*4 : Solder to the FM/AM TUNER MODULE and the GND Plate (ANG7131).

*5 : Refer to page 2.

*6 : For MIC LEVEL control (DISPLAY ASSY : VR2501).

EXPLODED VIEWS



CONTRAST OF PCB ASSEMBLIES

IF DECK ASSY

XWZ3017, XWZ3002 and XWZ3007 are constructed the same except for the following :

Mark	Symbol and Description	Part No.			Remarks
		XWZ3007	XWZ3017	XWZ3002	
	L4251	Not used	LAU100J	Not used	
	C4221, C4222	CQMBA273J50	CQMBA273J50	CQMBA333J50	
	C4227, C4228	CKCYB222K50	CKCYB222K50	CKCYB152K50	
	C4255	Not used	CKCYB102K50	Not used	
	C4257	Not used	CEAT1R0M50	Not used	
	C4501, C4503	Not used	CCDSL181J50	Not used	
	C4502	Not used	CCCSL181J50	Not used	
	C4504	Not used	CCCSL151J50	Not used	
	C4601, C4602	Not used	CCCSL470J50	Not used	
	C4603, C4604	Not used	CCCSL101J50	Not used	
	C4605	Not used	CKDYB182K50	Not used	

XR-A100, XR-A100-K

MF DISPLAY ASSY

XWZ3016, XWZ3001 and XWZ3014 are constructed the same except for the following :

Mark	Symbol and Description	Part No.			Remarks
		XWZ3014	XWZ3016	XWZ3001	
	IC2501 L2551 S1811– S1825 C1202, C1203 C1251, C1252 C2501 C2502, C2503, C2508 C2504 C2505 C2506 C2507 C2554 R1201, R1202 R2501, R2502 R2504 R2505 R2506 R2507 R2508, R2509 R2510 VR2501 (10kΩ) JA2501, JA2502 (MIC JACK)	Not used Not used ASG1051 CKPUYF103Z25 Not used Not used Not used Not used Not used Not used Not used Not used RS1LMF331J 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 ASG1034 Not used CKPUYF103Z25 Not used Not used Not used Not used Not used Not used Not used RD1/2PMF151J Not used Not used Not used Not used Not used Not used Not used Not used Not used Not used Not used	NJM4558LD LAU1R0K ASG1051 CKPUYF103Z25 Not used CKPUYB331K50 CEJA2R2M50 CGCYX473K25 CEJA4R7M50 CEJA330M25 CQMB4104J50 CKPUYB102K50 RD1/2PMF151J RD1/4PU332J RD1/4PU104J RD1/4PU102J RD1/4PU473J RD1/4PU751J RD1/4PU103J RD1/4PU101J VCS1021 AKN7004	

OF LCD ASSY

XWZ3018, XWZ3006 and XWZ3015 are constructed the same except for the following :

Mark	Symbol and Description	Part No.			Remarks
		XWZ3015	XWZ3018	XWZ3006	
	D1905 D1906 C1903 (0.047F)	1SS254 Not used ACH7013	Not used 1SS254 ACH1246	Not used Not used ACH7013	

NF LAMP ASSY

XWZ3024 and XWZ3008 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		XWZ3008	XWZ3024	
	Q1841 Q1842 D1841, D1842 R1841 R1842 R1843 R1845 PL1901, PL1902	Not used Not used Not used Not used Not used Not used Not used Not used	2SA1560 2SC4040 1SS254 RD1/4PU471J RD1/4PU472J RD1/4PU102J RS2LMF151J AEL7007	

■ PCB PARTS LIST

Mark	No.	Description	Parts No.
------	-----	-------------	-----------

EF FM/AM TUNER MODULE (AXQ7077)

SEMICONDUCTOR

IC6201	LA1832ML
IC6202	LC72131MD
Q6102	2SC2223
Q6203	2SC2705
Q6201, Q6202	2SC2712
Q6103, Q6214, Q6601	2SC2714
Q6104, Q6105	2SK302
Q6101	3SK194
Q6204	DTA124ES
Q6205	DTC124EK
D6202	1SS254
D6101-D6104	1SV228

COILS AND FILTERS

L6106	ATC1003
L6105	ATC1015
L6101	ATC1016
L6102	ATC1017
L6103	ATC1018
L6104	ATC1019
F6203	ATF-119
F6206	ATF7008
F6601	ATF7009
F6204	ATF7010
F6202	ATF7011
L6107	ATH1043
L6603	LAU220J
L6206, L6208, L6605	LAU2R2J

TRANSFORMERS

T6201	ATB7008
T6101	ATE7002

CAPACITORS

C6113, C6212, C6274, C6275, C6611	CCSQCH101J50
C6116, C6208, C6221	CCSQCH150J50
C6222	CCSQCH180J50
C6271	CCSQCH200J50
C6117	CCSQCH330J50
C6608	CCSQCH680J50
C6118	CCSQCH8R0D50
C6111, C6122	CCSQCK1R0C50
C6112, C6127	CCSQCK2R0C50
C6105	CCSQSL471J50
C6101	CCSQTH110J50
C6119	CCSQTH150J50
C6109	CCSQTH270J50
C6107, C6110	CCSQTH300J50
C6106	CCSQTH330J50
C6234, C6235	CEAL1R0M50
C6245	CEAL470M16
C6224	CEAT100M50
C6243	CEAT101M16
C6231	CEAT1R0M50

Mark	No.	Description	Parts No.
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C6227	CEAT220M50
C6236	CEAT2R2M50
C6216	CEAT330M16
C6262	CEAT3R3M50
C6219	CEAT470M10
C6244	CEAT470M16
C6249, C6250, C6265, C6266	CEAT4R7M50
C6258	CEJA470M16
C6215	CFTLA103J50
C6214	CFTLA224J50
C6115, C6125, C6126, C6211, C6254	CKSQYB102K50
C6601	CKSQYB102K50
C6102, C6114, C6121, C6123, C6124	CKSQYB103K50
C6210, C6213, C6237, C6267, C6276	CKSQYB103K50
C6279, C6281, C6604	CKSQYB103K50
C6251, C6252	CKSQYB123K50
C6606, C6607	CKSQYB182K50
C6203, C6259	CKSQYB223K50
C6228	CKSQYB472K50
C6209	CKSQYB473K50
C6230	CKSQYB821K50
C6218, C6223, C6255	CKSQYF103Z50
C6220, C6226, C6242, C6256	CKSQYF223Z50
C6225	CKSQYF473Z50
C6610	CKSYB103K50

RESISTORS

R6602	RD1/4PU221J
R6115, R6119, R6123, R6127, R6129	RS1/8S0R0J
R6906, R6909, R6911	RS1/8S0R0J
R6112	RS1/8S473J
VR6201 (10kΩ)	RCP1045
Other Resistors	RS1/10S□□□J

OTHERS

BN6202	2P TERMINAL WITH PAL	AKA7001
X6202	CERAMIC RESONATOR (456kHz)	ASS1066
X6201	CRYSTAL RESONATOR (7.2000MHz)	ASS1093
CN6201	14P SOCKET AM RF TUNING BLOCK	KP200IA14L AXX7042

KF AF ASSY (XWM3001)

SEMICONDUCTORS

IC2151	BA3837
IC2101	LC75394NED
IC1051	NJM78M12FA
Q1054	2SA1048
Q1051	2SA1560
Q1052, Q1053, Q1056, Q2161	2SC2458
Q1055	2SC4040
Q2151	DTC124ES
D2101-D2103, D2161, D2171	1SS254
D1054	MTZJ11C

XR-A100, XR-A100-K

Mark	No.	Description	Parts No.
	D1053, D1056		MTZJ15A
	D1055		MTZJ18B
	D1051, D1052, D1057		S5688G

COILS AND FILTERS

L2101	LAU1R0J
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CAPACITORS

C2123, C2124	CCCSL101J50
C2111, C2112	CEASR68M50
C1056–C1058, C2161	CEAT100M50
C1059	CEAT101M10
C2162	CEAT1R0M50
C2141	CEAT221M10
C2101–C2104, C2107–C2110	CEAT2R2M50
C2125, C2126, C2151, C2152, C2156	CEAT2R2M50
C2163	CEAT2R2M50
C2153	CEAT330M25
C2121, C2122, C2142	CEAT470M25
C2255	CKCYB102K50
C1062, C1063, C1067, C1070	CKCYB152K50
C2171, C2172, C2184, C2260	CKCYB152K50
C1053	CKCYB222K50
C1055	CKCYB471K50
C1052, C1054, C2119, C2120	CKCYB472K50
C2131, C2132	CKCYB682K50
C2155	CQMA224J50
C2117, C2118	CQMBA222J50
C2113, C2114	CQMBA393J50
C2154	CQMBA473J50
C2115, C2116	CQMBA563J50

RESISTORS

All Resistors	RD1/4PU□□□J
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OTHERS

CN1201	SPEAKER TERMINAL 4–P	AKE7035
CN1052	FFC CONNECTOR 20P	HLEM20R-1
CN1053	FFC CONNECTOR 40P	HLEM40S-1
CN1054	14P PLUG	KM200IB14
CN1051	17P PLUG	KM200TA17
JA2101	2P PIN JACK	VKB1050

KF AF ASSY (XWM3007)
SEMICONDUCTORS

IC2101	LC75394NED
IC1051	NJM78M12FA
Q1054	2SA1048
Q1051	2SA1560
Q1052, Q1053, Q1056, Q2161	2SC2458
Q1055	2SC4040
D2101–D2103, D2161, D2171	1SS254
D1054	MTZJ11C
D1053, D1056	MTZJ15A
D1055	MTZJ18B

Mark	No.	Description	Parts No.
	D1051, D1052, D1057		S5688G

COILS AND FILTERS

L1051–L1054 (5.3μH)	ATH-059
L2101	LAU1R0J

CAPACITORS

C1061, C1064, C1068, C1069	CCCSL101J50
C2123, C2124, C2180, C2182	CCCSL101J50
C1056–C1058, C2161	CEAT100M50
C1059	CEAT101M10
C2162	CEAT1R0M50
C2141	CEAT221M10
C2101–C2104, C2107–C2109	CEAT2R2M50
C2125, C2126, C2134, C2163	CEAT2R2M50
C2121, C2122, C2142	CEAT470M25
C2111, C2112	CEATR47M50
C2170, C2255	CKCYB102K50
C1062, C1063, C1067, C1070	CKCYB152K50
C2171, C2172, C2181, C2183, C2184	CKCYB152K50
C2260	CKCYB152K50
C1053	CKCYB222K50
C1055, C2127, C2128	CKCYB471K50
C1052, C1054, C2119, C2120	CKCYB472K50
C2131, C2132	CKCYB682K50
C2117, C2118	CQMBA222J50
C2113–C2116	CQMBA563J50

RESISTORS

R1062–R1065	RD1/4LMF101J
Other Resistors	RD1/4PU□□□J

OTHERS

CN1201	SPEAKER TERMINAL 4–P	AKE7035
CN1052	FFC CONNECTOR 20P	HLEM20R-1
CN1053	FFC CONNECTOR 40P	HLEM40S-1
CN1054	14P PLUG	KM200IB14
CN1051	17P PLUG	KM200TA17
JA2101	2P PIN JACK	VKB1050

AF TRANS ASSY

(1) CONTRAST TABLE

AWZ8547 and AWZ8538 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWZ8547	AWZ8538	
⚠ ⚠	L101 C102 H103, H104	ATF-151 ACG7020 AKR1003	Not used Not used AKR1004	

(2) PARTS LIST FOR AWZ8547

COILS AND FILTERS

⚠ L101	ATF-151
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CAPACITORS

⚠ C102 (10000pF/250V)	ACG7020
C101	CEANP1R0M50

Mark	No.	Description	Parts No.
RESISTORS			
△	R101		RF1/4PS100J
OTHERS			
	H103, H104	FUSE CLIP TERMINAL	AKR1003 RKC-061

CF POWER ASSY

(1) CONTRAST TABLE

AWZ8548 and AWZ8534 are constructed the same except for the following :

Mark	Symbol and Description	Part No.		Remarks
		AWZ8548	AWZ8534	
	C1094—C1097 C1201, C1202 C1203, C1204 C1205	CKCYB102K50 CKCYB102K50 CEASR47M50 CFTYA473J50	Not used CKCYB222K50 CEASR10M50 CKCYF473Z50	

(2) PARTS LIST FOR AWZ8548

SEMICONDUCTORS

△	IC1003, IC1202	PROTECTOR (400mA/125V)	AEK7004
△	IC1004	PROTECTOR (1A/125V)	AEK7009
△	IC1005	PROTECTOR (2A/125V)	AEK7013
△	IC1002		NJM4558D-D
△	IC1001		NJM78M05FA
△	IC1201		TDA8560Q
△	Q1005, Q1201, Q1202, Q1204		2SA1048
△	Q1002, Q1003		2SB1375
△	Q1004, Q1008, Q1203		2SC2458
△	Q1007		2SC4040
△	Q1001		2SC5200(P)
△	Q1006		2SD2012
△	D1004, D1008, D1012, D1014		1SS254
△	D1202—D1204		1SS254
△	D1001		D3SBA20
	D1011, D1013, D1058		MTZJ20A
	D1201		MTZJ4.7B
	D1003, D1010		MTZJ6.8A
	D1009		S5688G

CAPACITORS

C1005	CCCSL331J50
C1006	CCCSL680J50
C1003, C1007, C1208	CEAS100M50
C1206	CEAS101M10
C1211	CEAS101M35
C1209	CEAS1R0M50
C1002	CEAS2R2M50
C1004, C1207	CEAS330M25
C1051	CEAS331M50
C1203, C1204	CEASR47M50
C1205	CFTYA473J50
C1094—C1097, C1201, C1202	CKCYB102K50
C1251	CKCYF473Z50
C1001 (4700μF/50V)	RCH1142

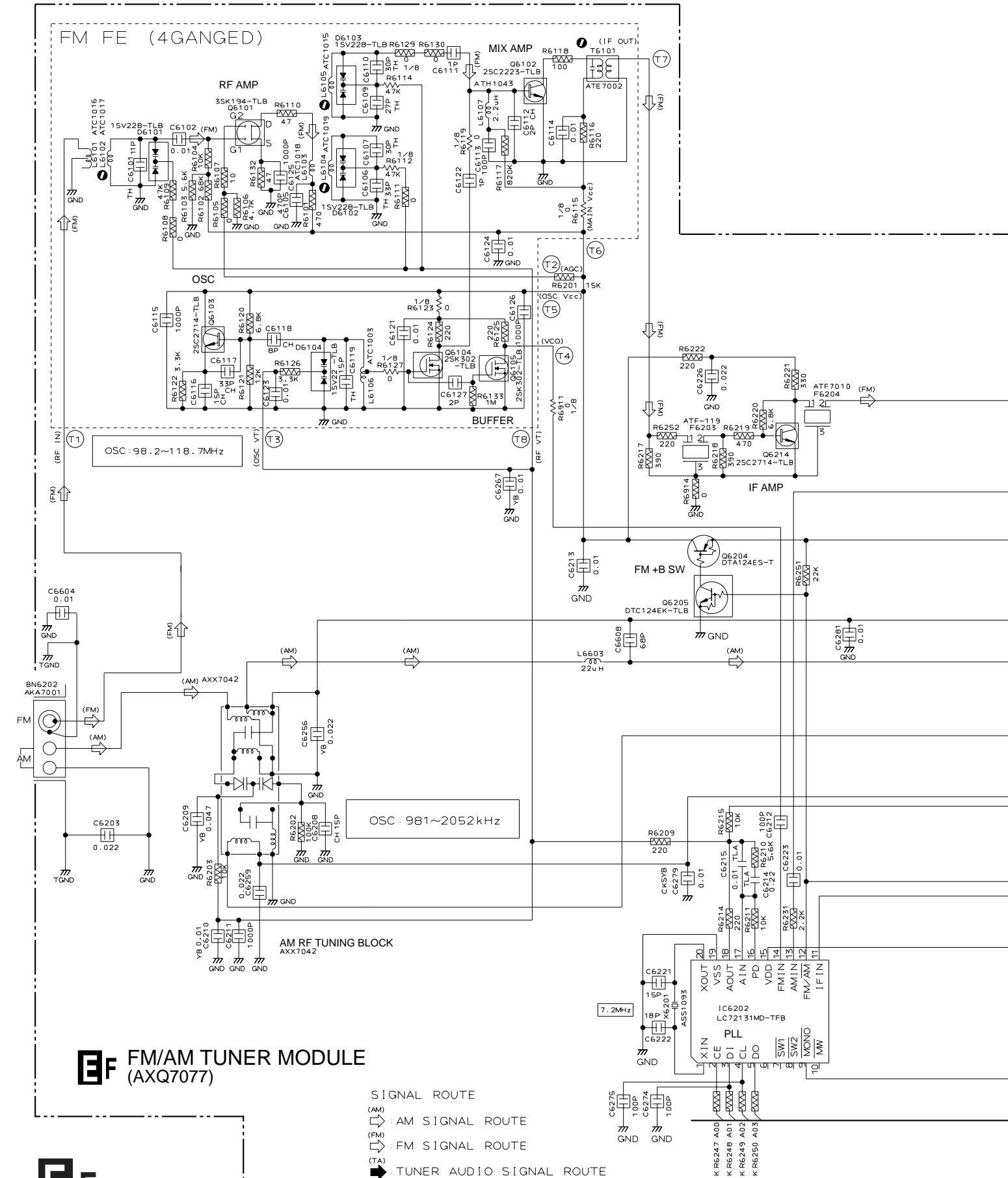
Mark	No.	Description	Parts No.
RESISTORS			
	R1011		RD1/2PM472J
△	R1221, R1222		RD1/2PMF181J
△	R1008		RD1/4PMF4R7J
	R1251		RS1LMF1R0J
	R1016		RS2LMF330J
	VR1001 (1.0kΩ)		RCP1044
	Other Resistors		RD1/4PU□□□J

OTHERS

CN1001	17P SOCKET	KP200TA17L
CN1002	8P JUMPER CONNECTOR	KPD8
KN1001	EARTH METAL FITTING	VNF1084

3. SCHEMATIC DIAGRAM

3.1 FM/AM TUNER MODULE (MYXK and NVXK types)



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

Notes

1.RESISTORS

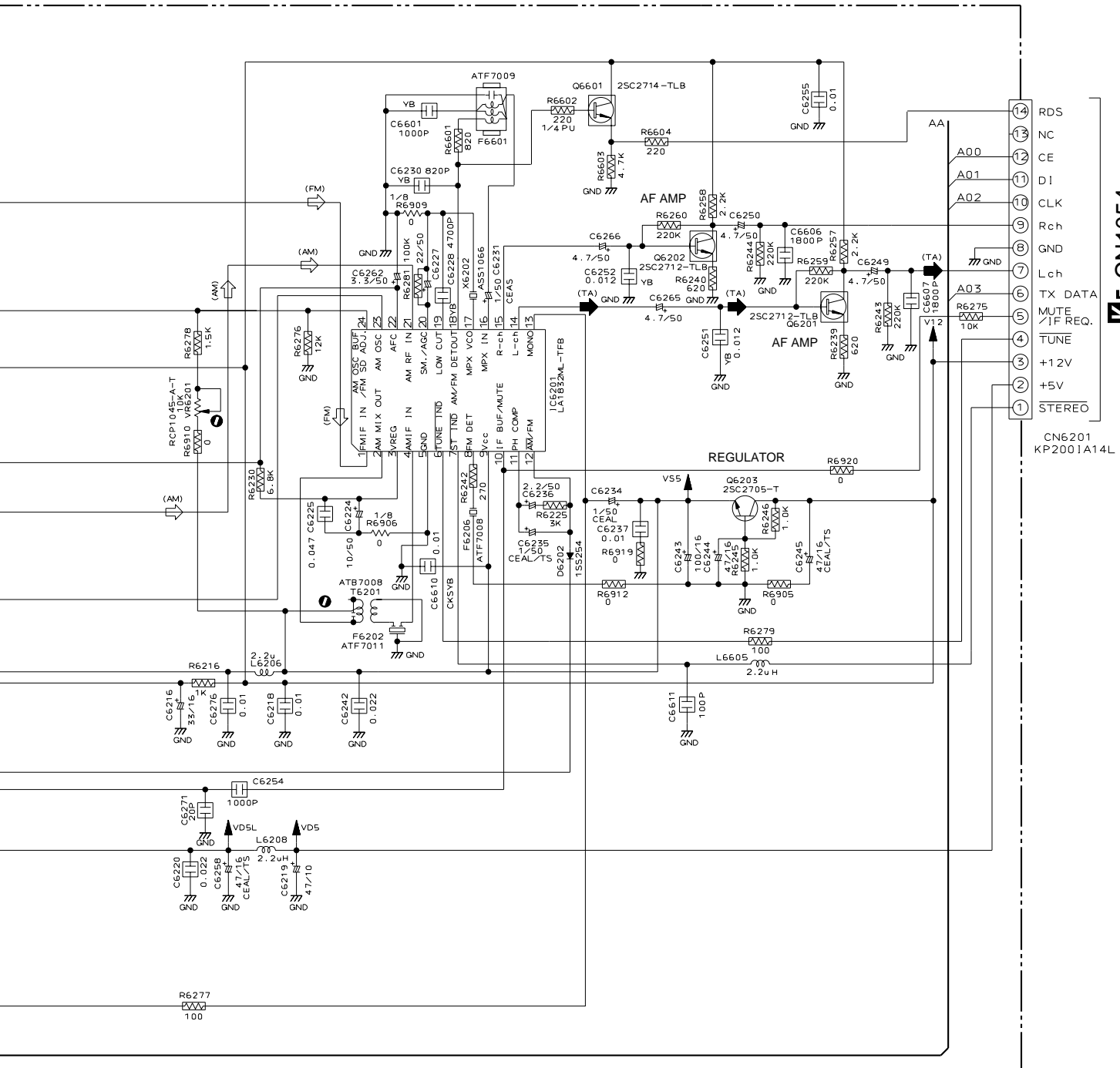
Indicated in Ω , $1/10W \pm 5\%$ Tolerance unless otherwise noted K:k Ω , M:M Ω .

2.CAPACITORS

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

3.DIODES

No mark diode is 1SS254.

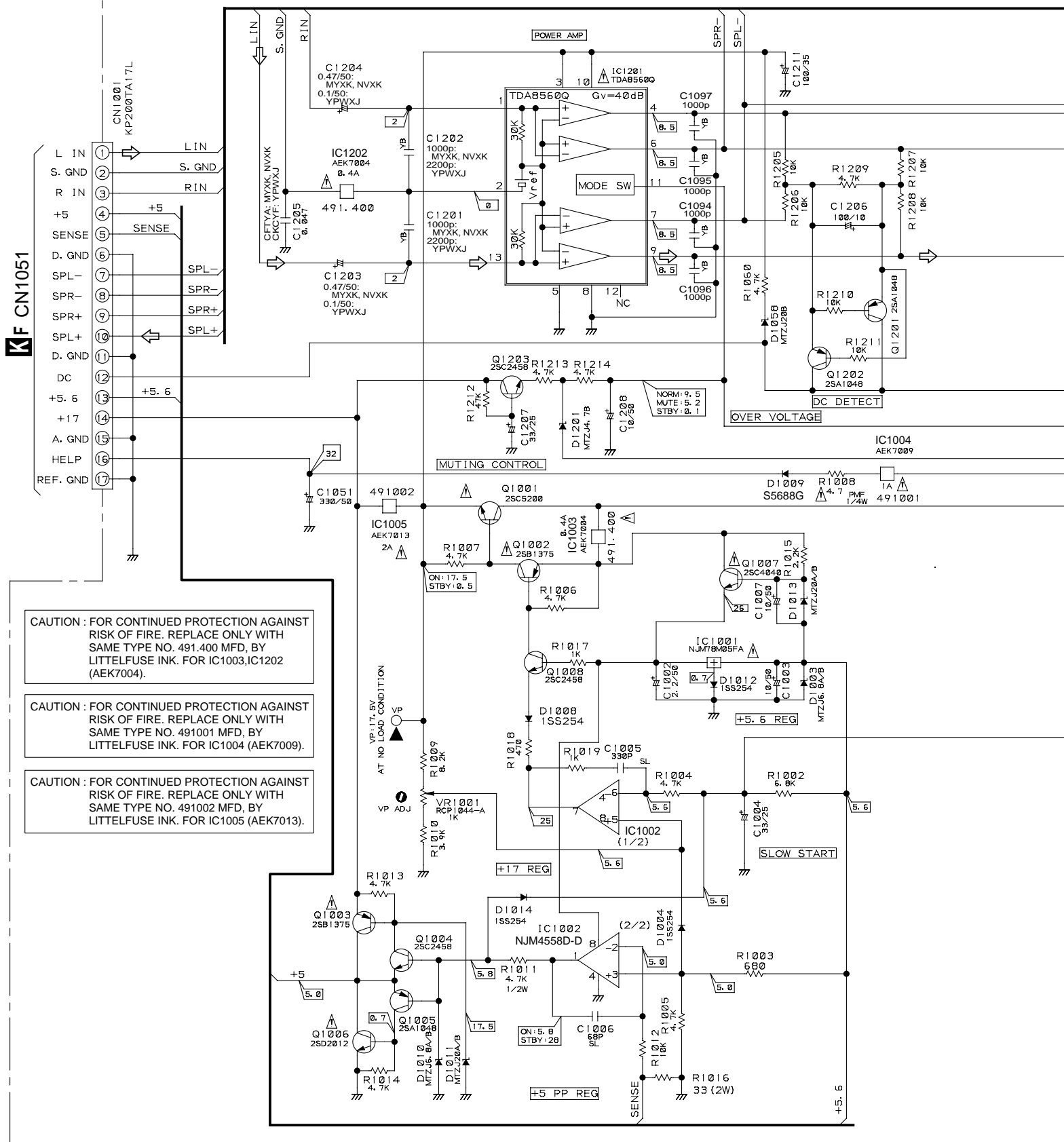


KF CN1054

CN6201
KP2001A14L

3.2 TRANS ASSY AND POWER ASSY

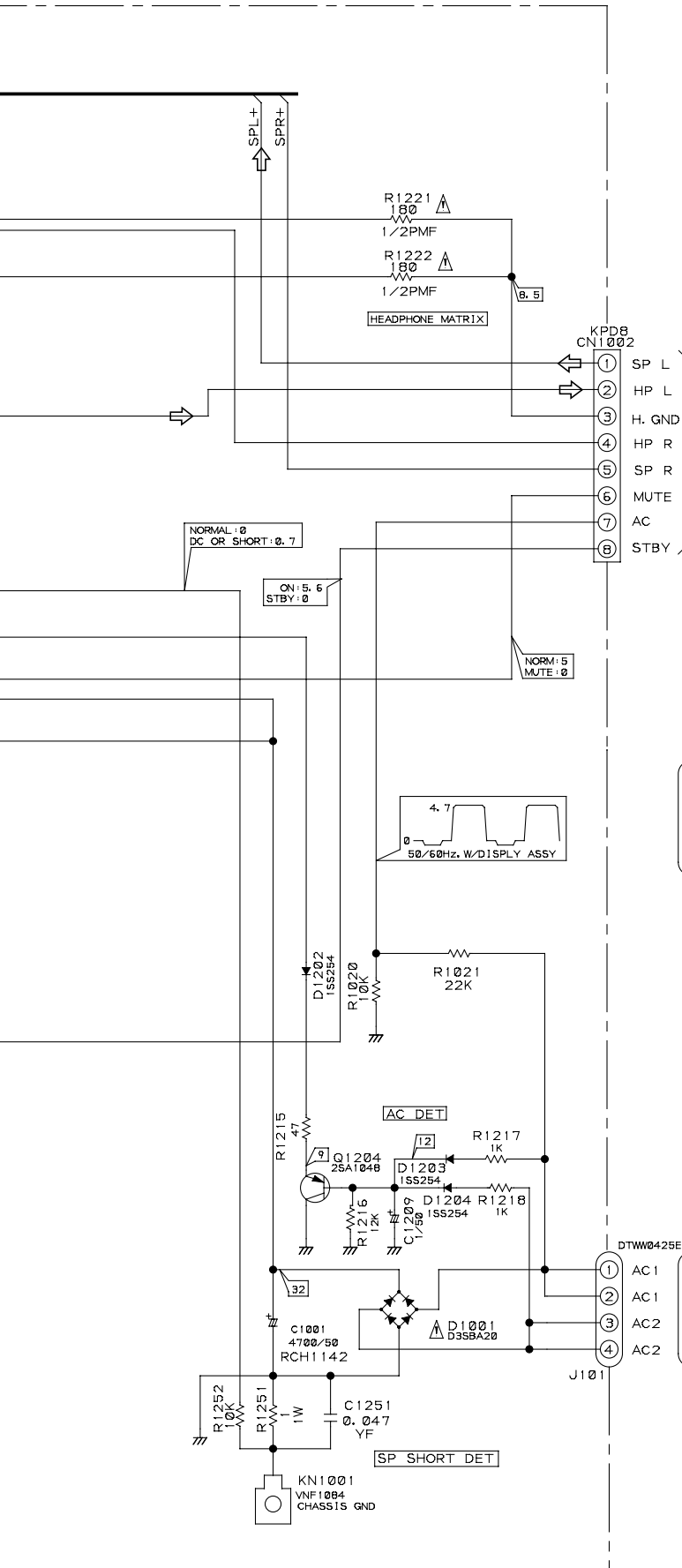
C_F POWER ASSY (AWZ8548: MYXK, NVXK)
(AWZ8534: YPWXJ)



CAUTION : FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO. 491.400 MFD, BY LITTELFUSE INC. FOR IC1003,IC1202 (AEK7004).

CAUTION : FOR CONTINUED PROTECTION AGAINST
RISK OF FIRE. REPLACE ONLY WITH
SAME TYPE NO. 491001 MFD, BY
LITTELFUSE INC. FOR IC1004 (AEK7009).

CAUTION : FOR CONTINUED PROTECTION AGAINST
RISK OF FIRE. REPLACE ONLY WITH
SAME TYPE NO. 491002 MFD, BY
LITTELFUSE INC. FOR IC1005 (AEK7013).

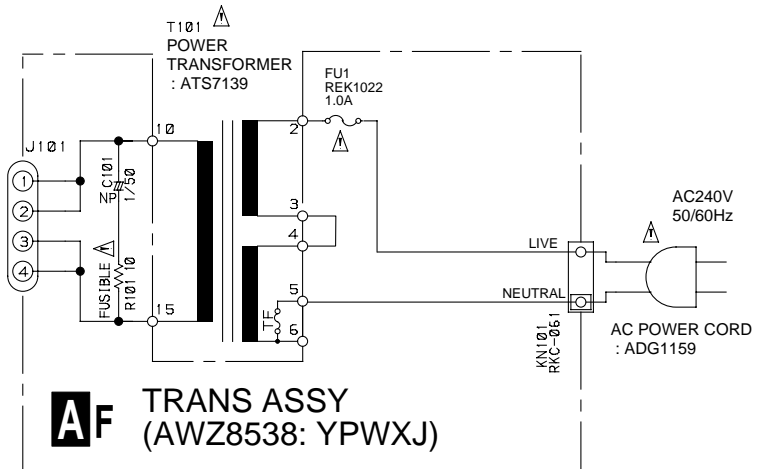


⇒ : AUDIO SIGNAL ROUTE

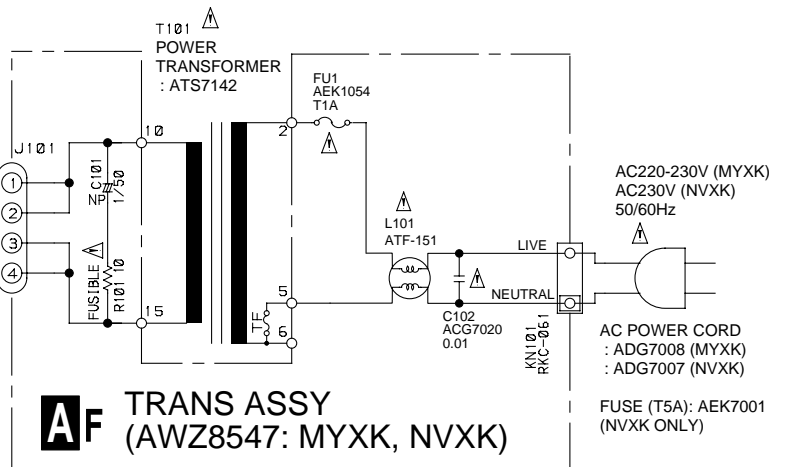
Notes:

1. Resistors
Indicated in Ω , 1/4W, $\pm 5\%$ tolerance unless otherwise noted.
2. Capacitors
Indicated in capacity (uF)/voltage (V) unless otherwise noted.
Indication without voltage is 50V.
3. Voltage
DC voltage (V) at no input signal.
4. Others
The Δ mark found on some component parts indicates the importance of the safety factor of the parts.
Therefore, when replacing, be sure to use parts of identical designation.

MF
J1201

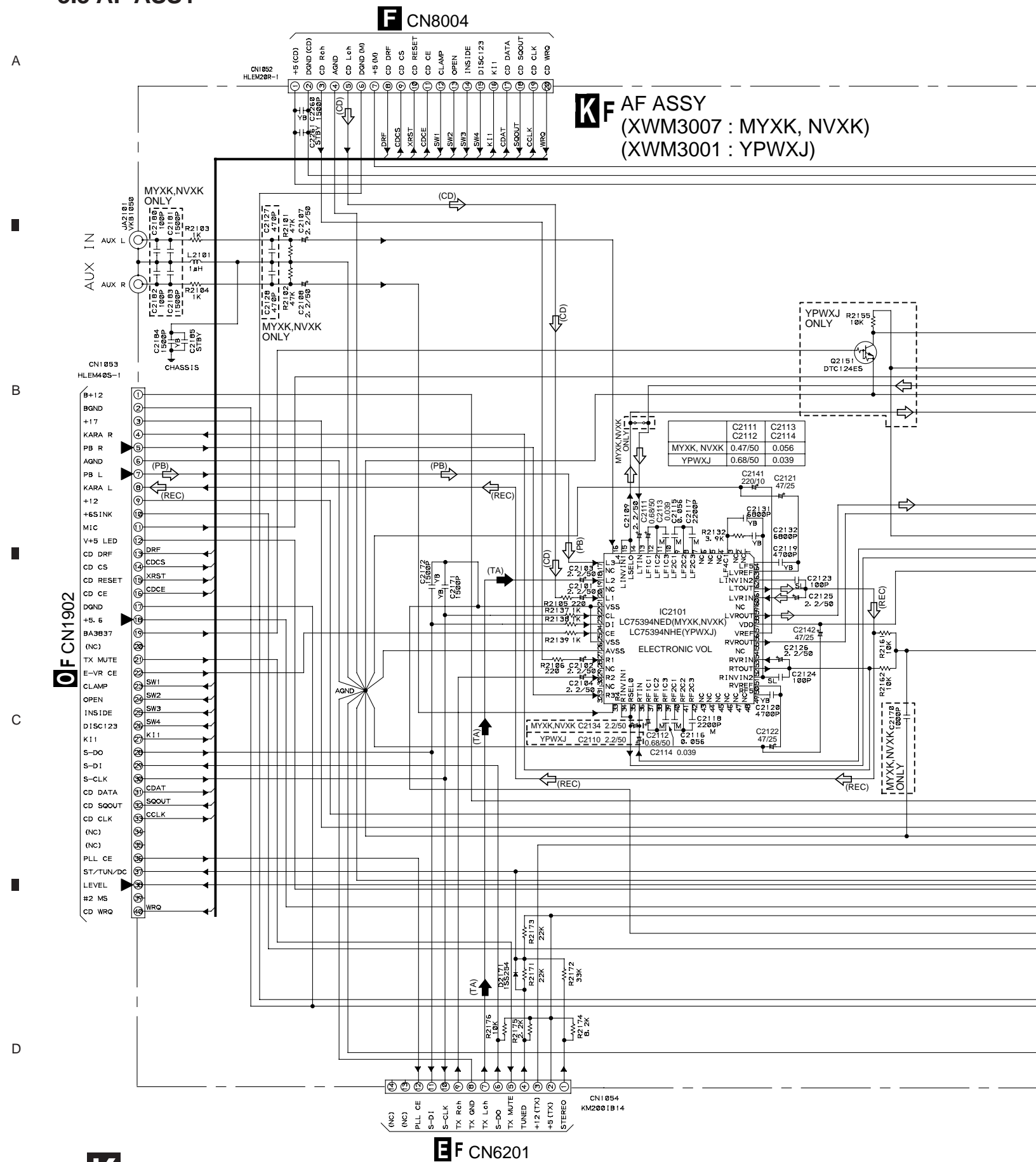


AF TRANS ASSY
(AWZ8538: YPWXJ)



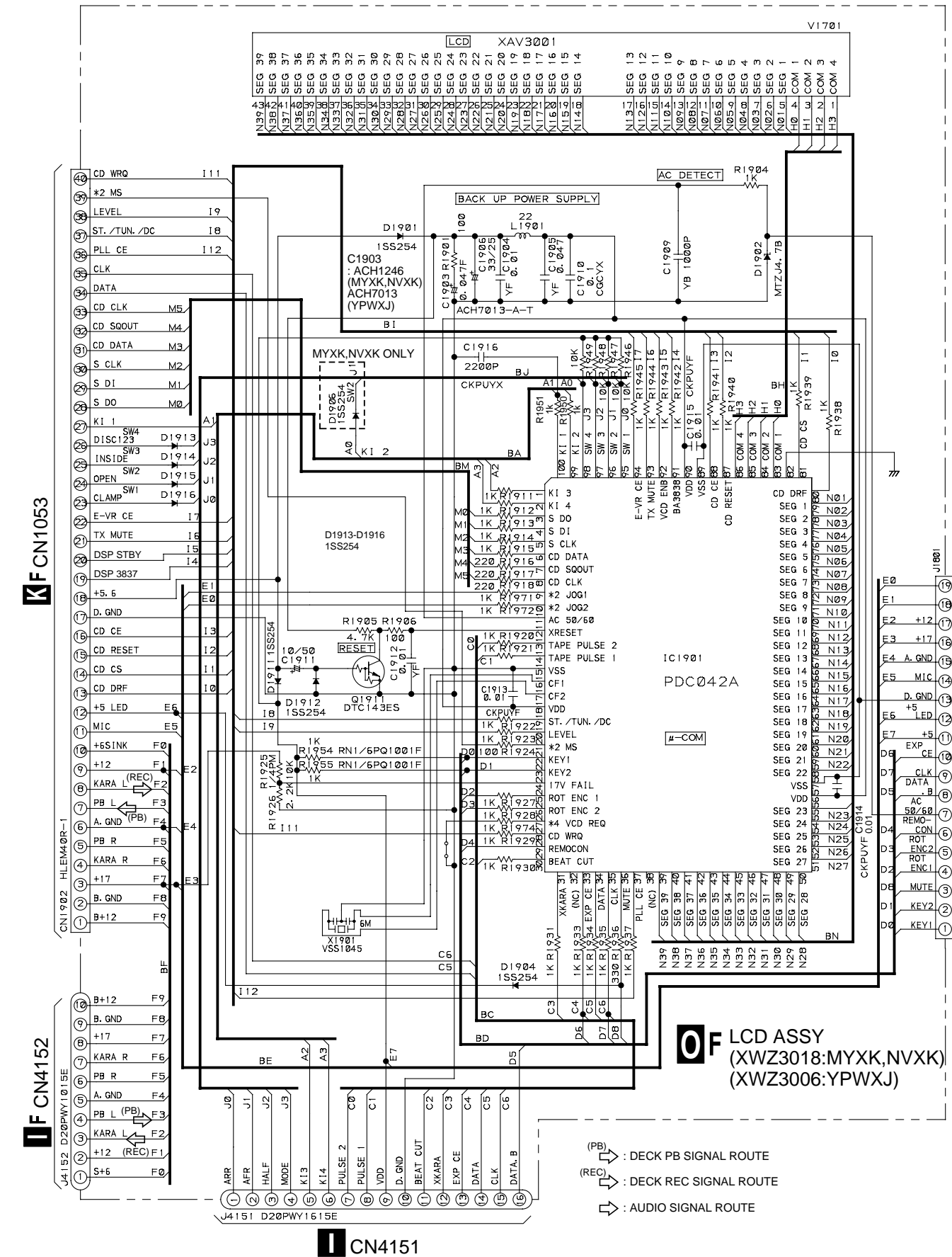
AF TRANS ASSY
(AWZ8547: MYXK, NVXK)

3.3 AF ASSY





3.4 DISPLAY, LAMP AND LCD ASSEMBLIES



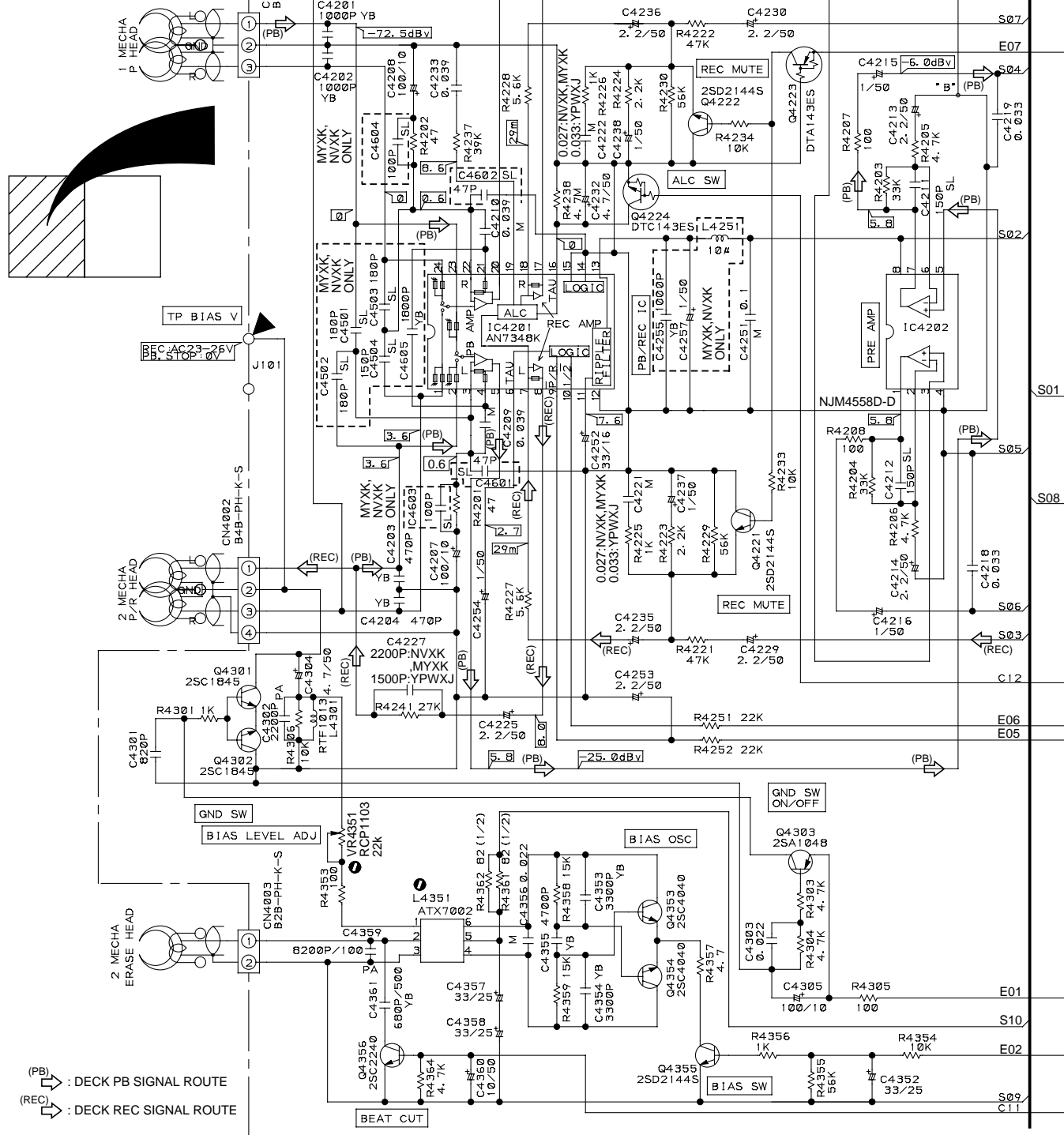


3.5 DECK ASSY

NOTES

1. Resistor:
Indicated in Ω , $1/4W$, $\pm 5\%$ tolerance unless otherwise noted K:k Ω , M:M Ω .
2. Capacitors:
Indicated in μF /voltage unless otherwise noted P:pF.
Indicated without voltage is 50V except electronic capacitors.
*Electronic capacitors: CEAS***M
*Ceramic capacitors: YB:CKCYB, SL:CCCSL
*Film capacitors: M:CGMA, PA:CGPA
3. Diodes: 1SS254

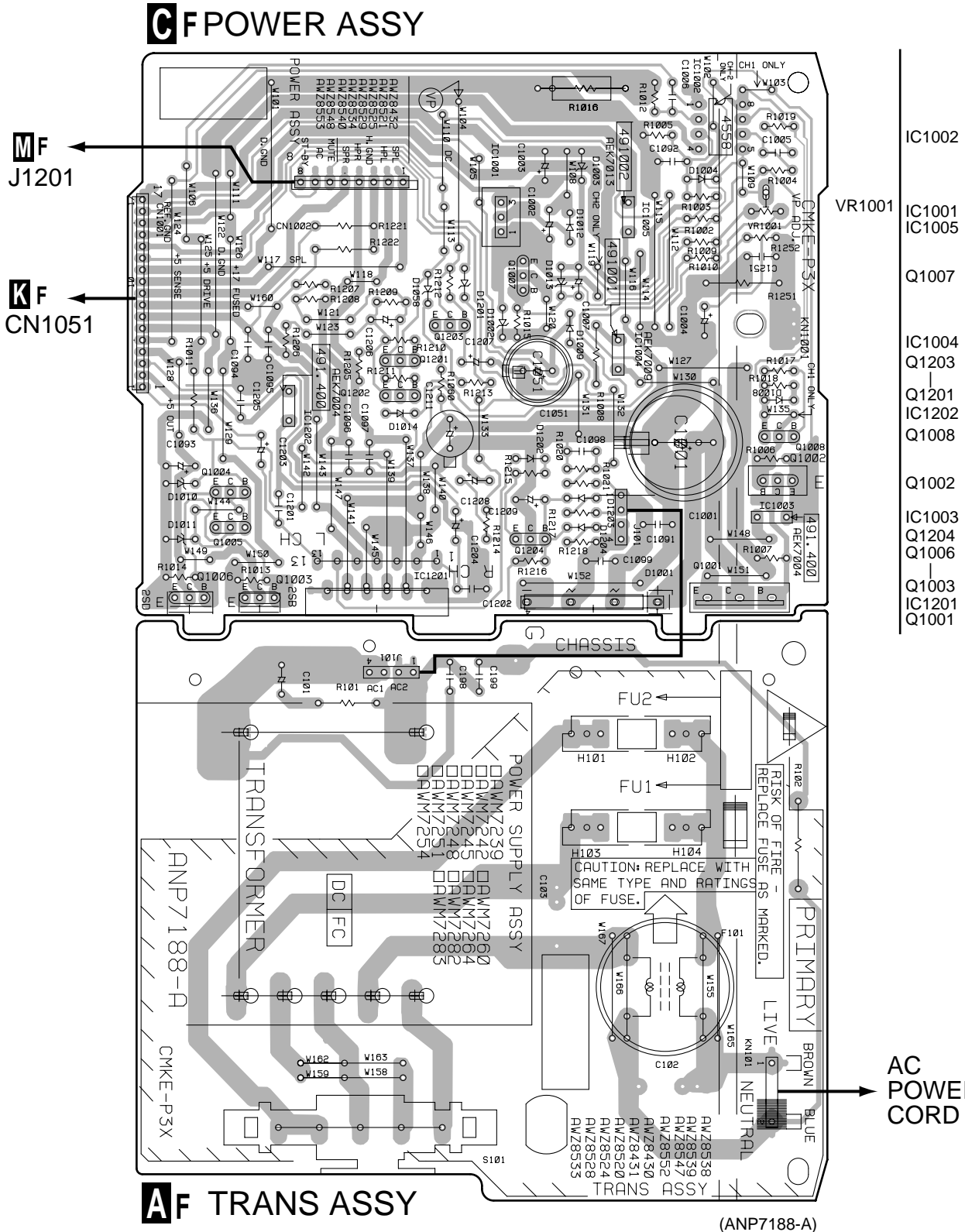
1 F DECK ASSY
(XWZ3017
:MYXK and NVXK)
(XWZ3002:YPWXJ)



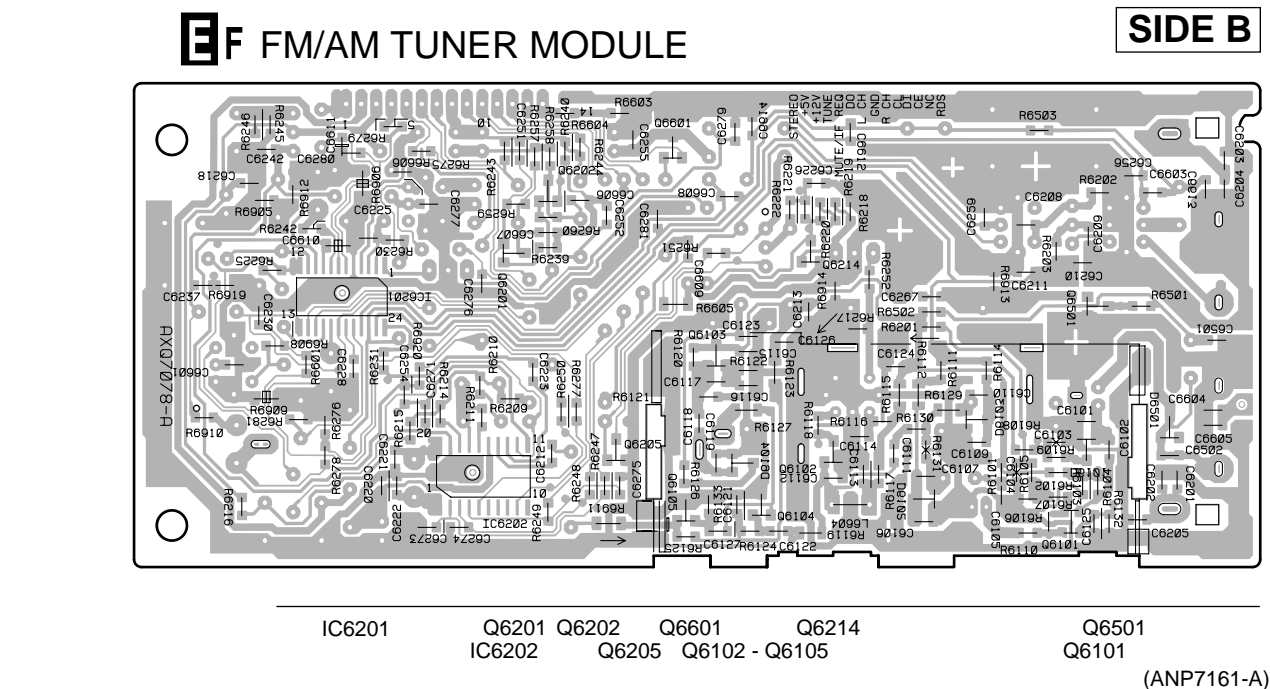
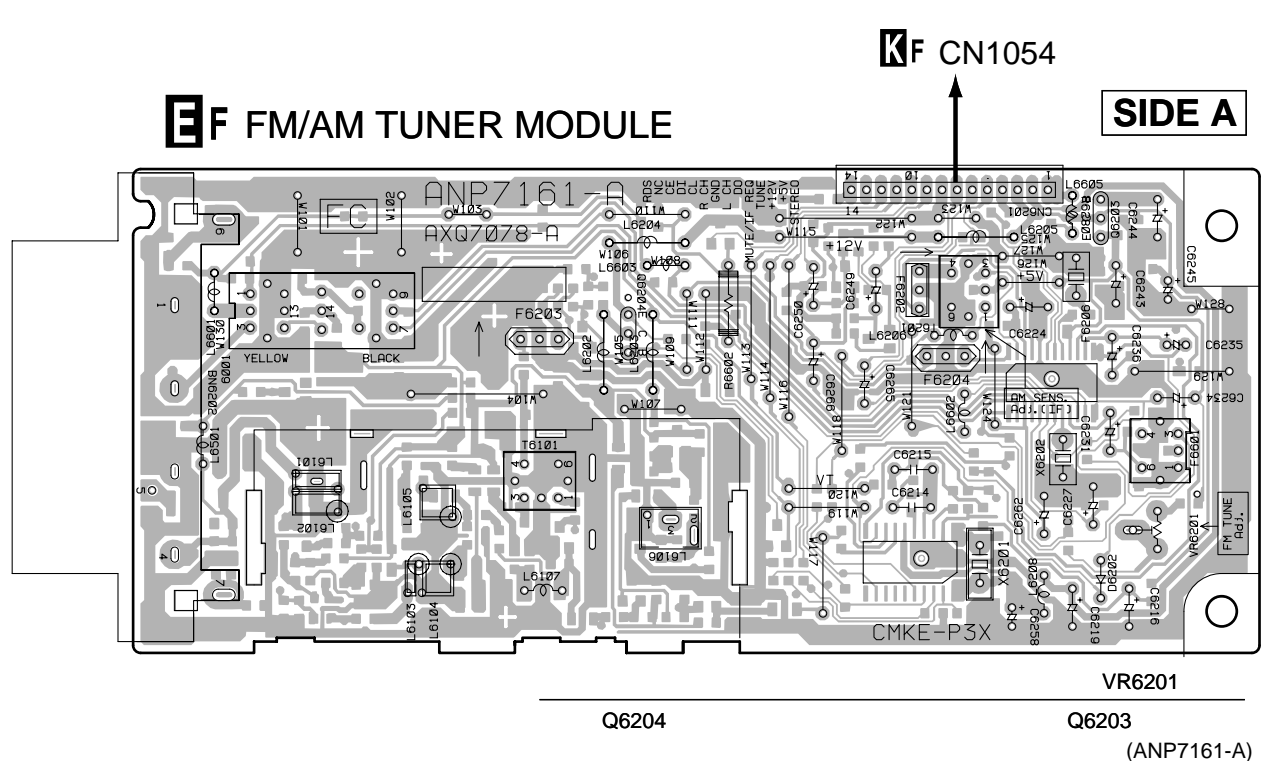
4. PCB CONNECTION DIAGRAM

4.1 TRANS AND POWER ASSEMBLIES

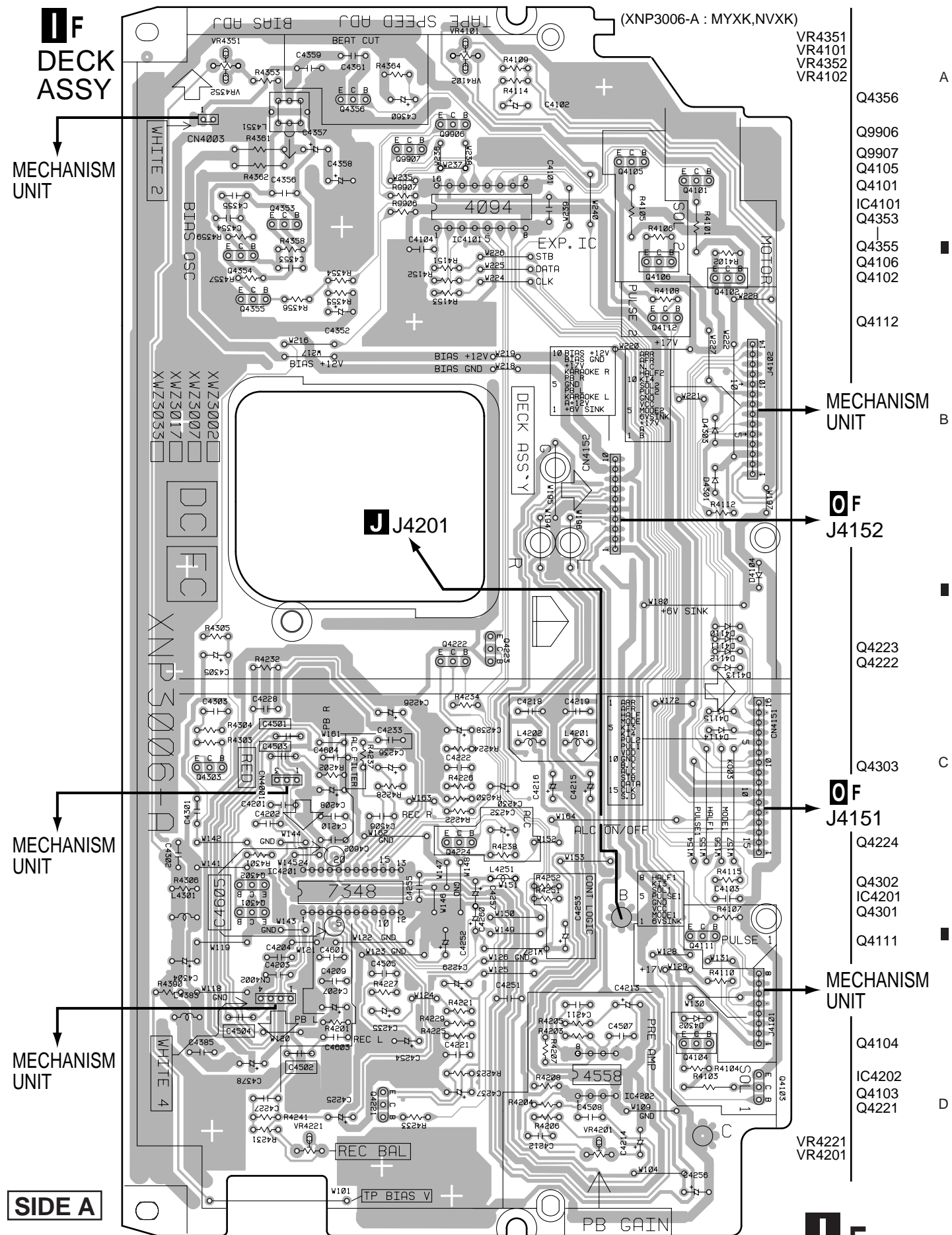
SIDE A



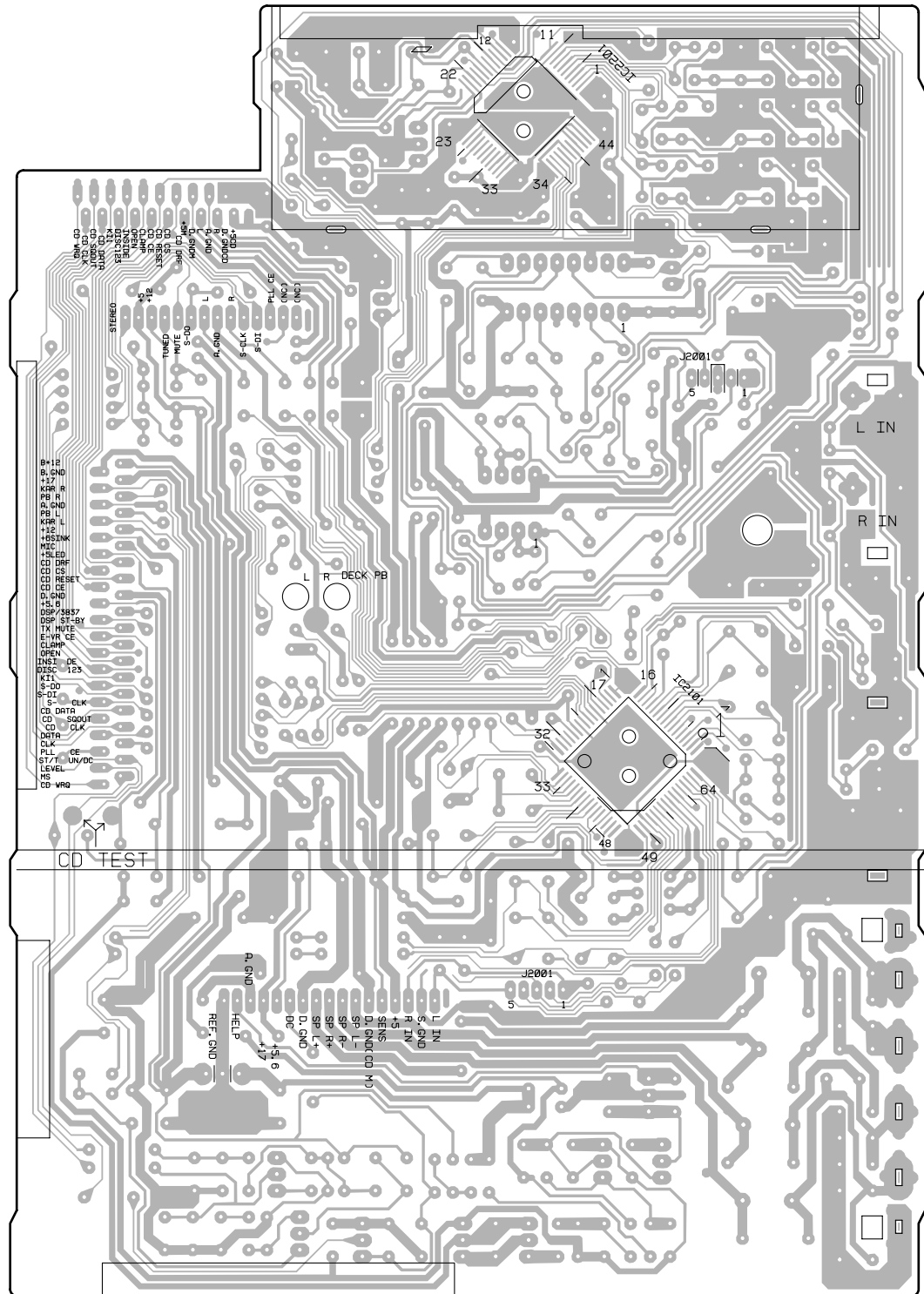
4.2 FM/AM TUNER MODULE (MYXK and NVXK types)



4.3 DECK ASSY



KF AF ASSY



(XNP3007-A : MYXK,NVXK)

IC2201	IC2101
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SIDE B

4.5 LCD ASSY

0F LCD ASSY

K F CN1053

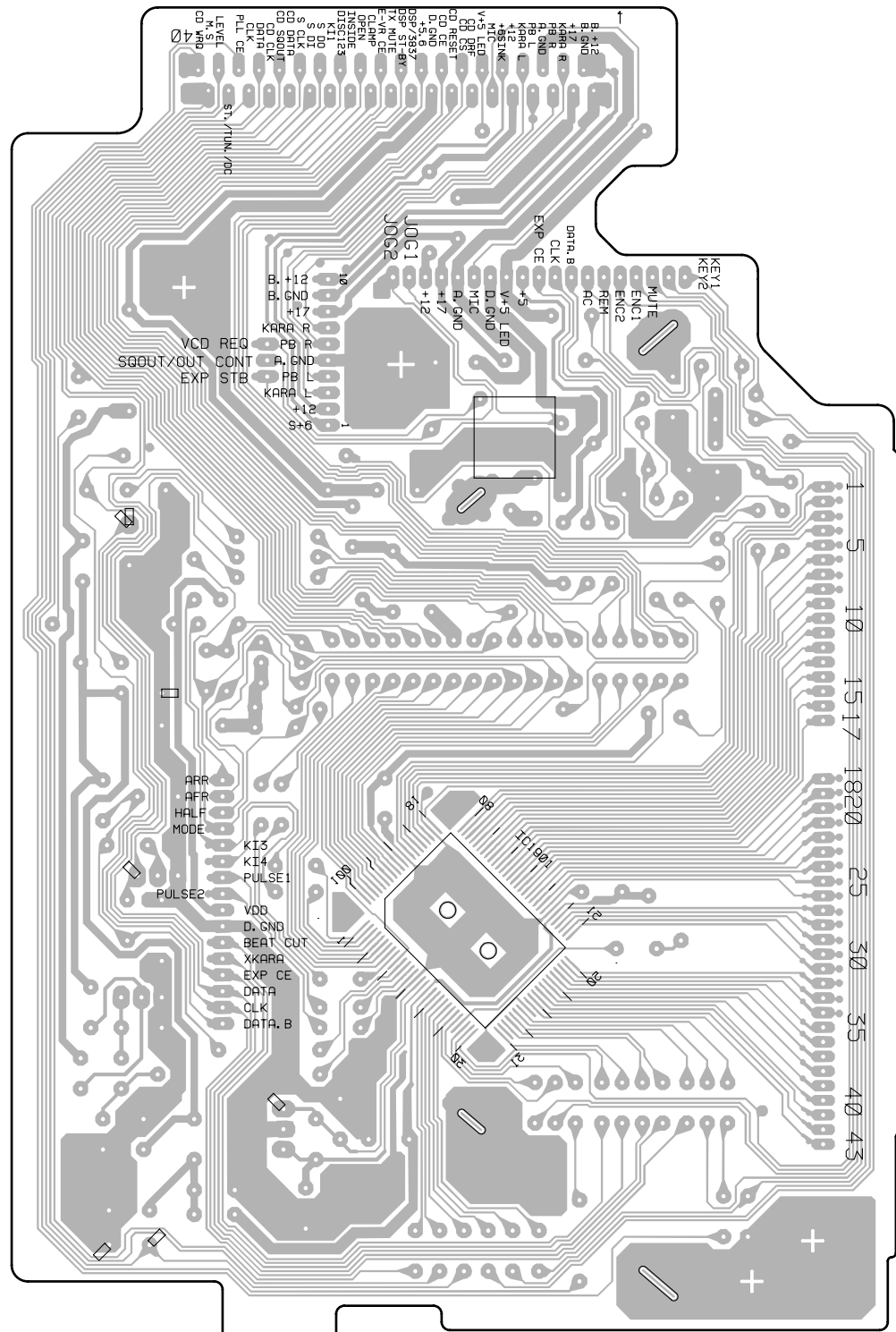
I F CN4152

I F CN4151

(XNP3006-A : MYXK,NVXK)

SIDE A

OF LCD ASSY



(XNP3006-A : MYXK,NVXK)

SIDE B

4.6 LAMP AND DISPLAY ASSEMBLIES

M F DISPLAY ASSY

O F J1801

L J1805

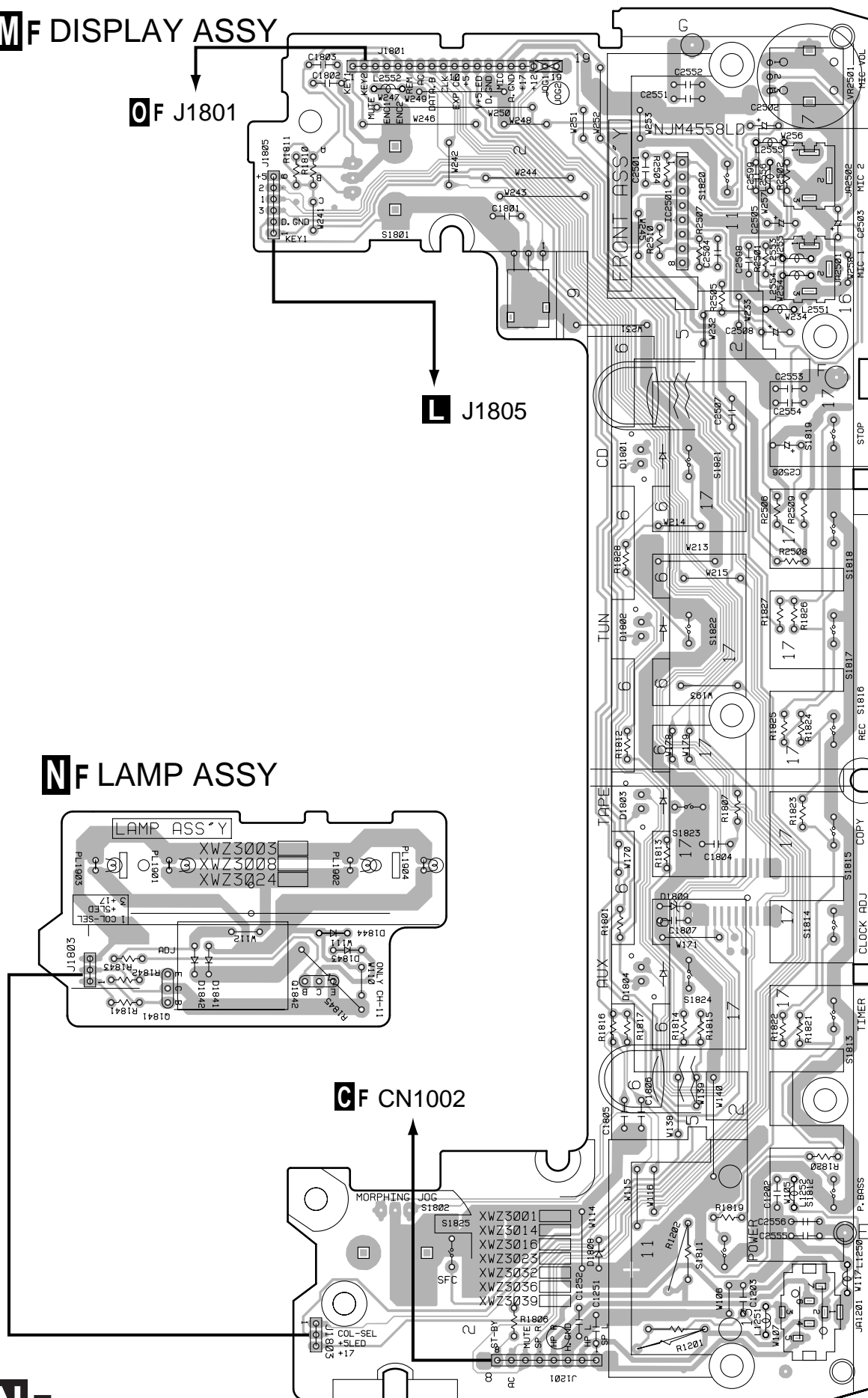
N F LAMP ASSY

C F CN1002

SIDE A

M F N F

(XNP3006-A : MYXK,NVXK)



5. ADJUSTMENT

Note: Adjustment of MYXK, NVXK and YPWXJ types are the same as those of base model except for the following.

5.1 FM/AM TUNER MODULE (AXQ7077: MYXK and NVXK types only)

■ FM Tuner Section

- Set the mode selector to FM BAND.
- Connect the wiring as shown in Fig. 1.

Step No.	Adjustment Title	FM SG (1kHz, ± 75 kHz dev.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (MHz)	Level (dB μ V)			
1	Front End Sensitivity	106	0 to 30	106 MHz	L6104 L6105 L6102 T6101	Adjust so that the DC voltage between the IC6201-Pin 20 and GND becomes at maximum level.
2	Stereo Distortion	98 (ON STEREO)	80	98 MHz	T6101	Minimize the distortion with 1/8 rotation of the core.
3	TUNED IND. Lighting Level	98	18 ± 2	98 MHz	VR6201	Adjust so that the indicator of TUNED IND. starts to light up.

Note: Before adjusting, make sure there is no gap between L6101 and L6102 as well as between L6103 and L6104. If there is a gap between them, bring them into contact with each other first, and then make adjustments.

■ AM Tuner Section

- Set the mode selector to AM BAND.
- Connect the wiring as shown in Fig. 1.

Step No.	Adjustment Title	AM SG (400Hz, 30% Mod.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (kHz)	Level (dB μ V/m)			
1	Front End Sensitivity	999*1	35 to 45	999kHz*1	T6201	Adjust so that the DC voltage between the IC6201-Pin 20 and GND becomes at maximum level.

*1: For the area using 10kHz step, frequencies should be 1000 kHz.

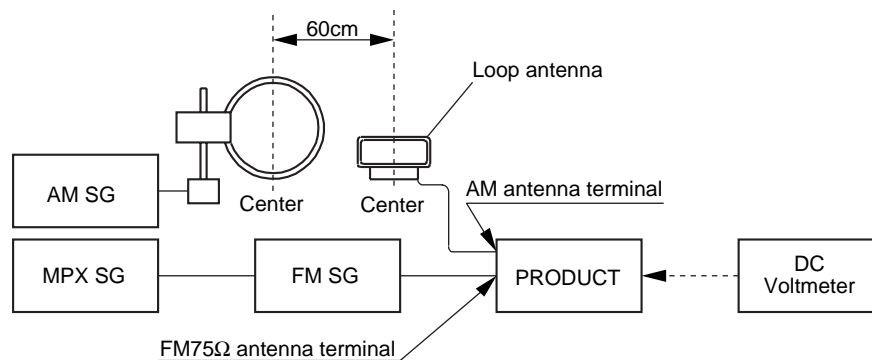


Fig. 1 AM and FM Adjustment Wiring Diagram

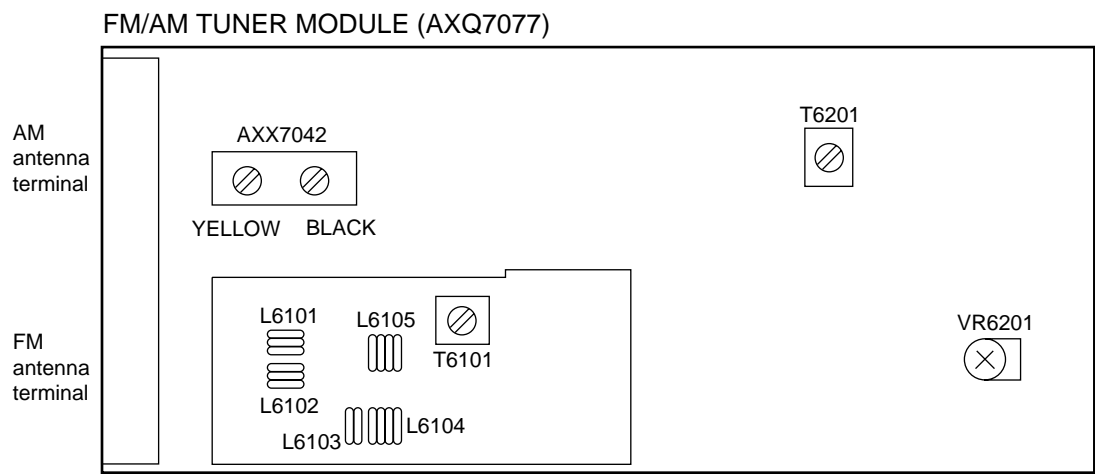


Fig. 2 Adjustment Point

5.2 POWER SECTION

■ Adjustment of Vp

Adjust VR1001 in the POWER Assy so that the voltage of Vp checking point W104 is $17.5 \pm 0.1V$.
Adjustment can be made when no load is applied while the power is turned ON and no signal is sent, as well as for the GND voltage or for the chassis.

Adjustment is required when the 5volte regurator, IC1001 (NJM78M05FA) in the POWER Assy are replaced.

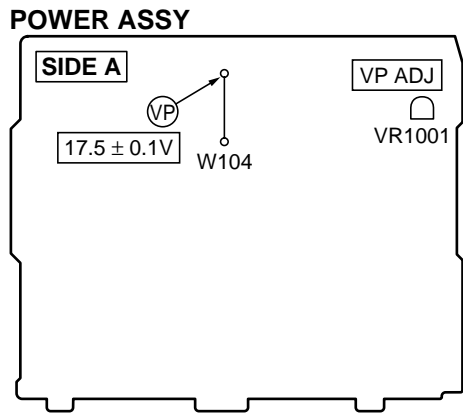


Fig. 3 Adjustment of Vp