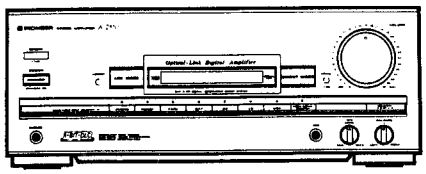
PIONEER®
The Art of Entertainment

Service Manual



ORDER NO.
ARP2156

STEREO AMPLIFIER

A-Z570

MODEL A-Z570 HAS FOLLOWING VERSIONS :

Type	Power requirement	Export destination
HE	AC220V, 240V(switchable) *	European continent
HEWZIW	AC220V, 240V(switchable) *	Germany and Italy

* : Change the primary wiring.

- **This manual is applicable to the A-Z570/HE and HEWZIW types.**
- **As to the HEWZIW type, refer to page 46.**
- **This product is a component of a system. As to the system composition, refer to the system manual.**
- **This product does not function properly when independent ; to avoid malfunctions, be sure to connect it to the prescribed system component, otherwise damage may result.**
- **Ce manuel pour le sevice comprend les explications de réglage en français.**
- **Este manual de servicio trata del método ajuste escrito en español.**

CONTENTS

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FV JAN. 1991 Printed in Japan

1. SPECIFICATIONS

Amplifier Section

Continuous Power Output (DIN) ..... 80 W + 80 W
(1 kHz, T.H.D 1%, 8Ω)
Music power (DIN) ..... 120 W + 120 W (1 kHz, T.H.D 1%, 8Ω)
D/A converter section
Signal-to-Noise Ratio ..... More than 96 dB (EIAJ)
Dinamic range ..... More than 94 dB (EIAJ)
Frequency range ..... 25 Hz to 20 kHz
Total Harmonic Distortion (1 kHz, 40 W, 8Ω)... No more than 0.06%**
Input sensitivity
PHONO (MM) ..... 2.5 mV
MIC ..... 0.25 mV
VCR, DAT ..... 150 mV
LD ..... 250 mV
Output level
DAT, VCR ..... 150 mV
MUTING ..... −∞

Power Supply/Miscellaneous

Power requirements ..... a.c.220 Volts~, 50/60 Hz
Power consumption ..... 410 W
AC outlets switched (x 1) ..... 50 W
Dimensions ..... 360 (W) x 343 (D) x 135.5 (H) mm
Weight (without package) ..... 8.8 kg

Accessories

Operating instructions 1
Remote control unit 1
Dry cell batteries "AA" (IEC R6/UM-3) 2

** *Measured By Audio Spectrum Analyzer.*

- *Specifications and design subject to possible modification without notice due to improvement.*

2. EXPLODED VIEWS, PACKING AND PARTS LIST

NOTES:

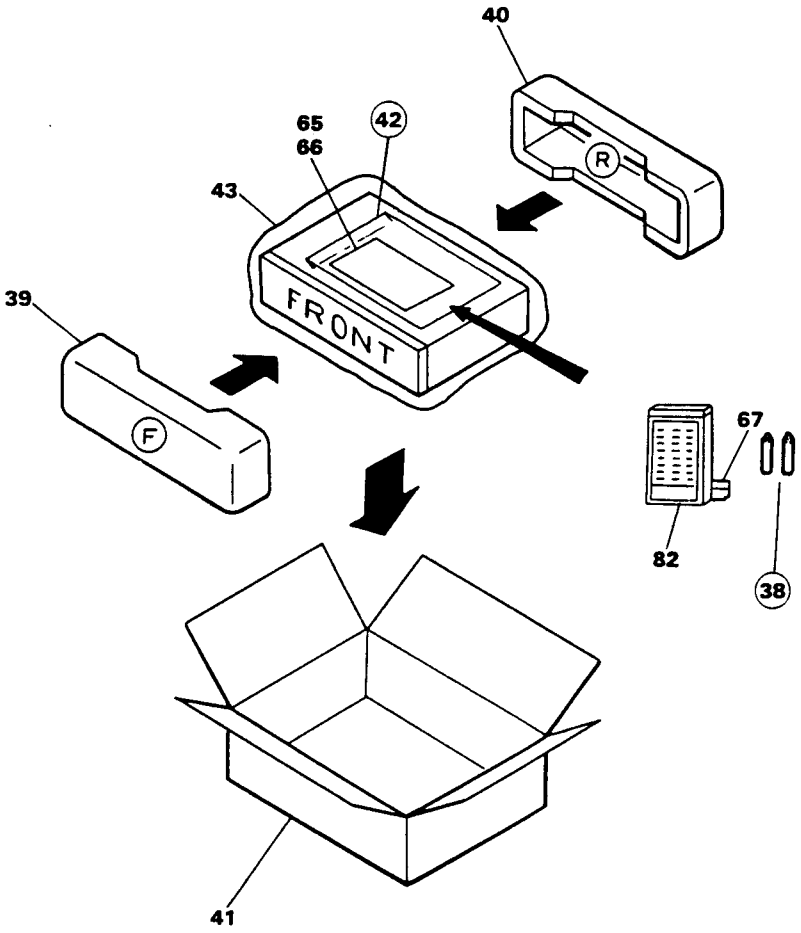
- *Parts without part number cannot be supplied.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*

2.1 PARTS LIST

Mark	No.	Description	Part No.
	1	VOL KNOB	AAB1117
	2	ROTARY KNOB	AAB1130
	3	POWER BUTTON	AAD1595
	4	BOTTON L	AAD1596
	5	BUTTON L	AAD1597
	6	KIN BUTTON	AAD1682
	7	FUNCTION BUTTON	AAD1969
	8	BUTTON S	AAD1970
	9	LENS L	AAK1757
	10	LENS S	AAK1758
	11	LENS	AAK1759
	12	PANEL	AAK2115
	13	.....	
	14	NAME PLATE(PLASTIC)	
	15	.....	
	16	SCREW (STEEL)	ABA-283
	17	SCREW	ABA-298
	18	SCREW (STEEL)	ABA1009
	19	SCREW (STEEL)	ABA1011
	20	SCREW	ABA1018
	21	SCREW (STEEL)	ABA1047
	22	SCREW (STEEL)	ABA1050
	23	SCREW (STEEL)	ABA1072
	24	SCREW	ABA1098
	25	SPRING	ABH1032
⚠	26	AC POWER CORD	ADG1019
	27	CUSHION	
	28	.....	
	29	NYLON RIVET	AEC-471
	30	NYLON RIVET	AEC-510
	31	STRAIN RELIEF	AEC-882
	32	PCB SUPPORT	
	33	CUSHION	
	34	PCB SPACER	
	35	.....	
	36	.....	
	37	SPACER	
	38	BATTERY (R6P,AA)	
	39	FRONT PAD	AHA1272
	40	REAR PAD	AHA1273
	41	PACKING CASE	AHD2009
	42	LITERATURE BAG	
	43	PACKING SHEET	AHG1016
	44	TERMINAL SCREW	
	45	MOUNTING PLATE	
	46	FRONT PANEL ASSY	AMB1763
	47	PCB MOULD	
	48	LEG ASSY(S)	AMR1937

Mark	No.	Description	Part No.
	49	PLATE	AMR2138
	50	WAIST RAIL BOARD	
	51	CHASSIS	
	52	REAR PANEL	
	53	BOTTOM PLATE	
	54	BONNET CASE	ANE1208
	55	TRANS. HOLDER	
	56	HEAT SINK HOLDER	
	57	VOLUME HOLDER	
	58	HOLDER	
	59	HOLDER A	
	60	HEAT SINK	
	61	HEAT SINK	
	62	GROUND PLATE	
	63	SHIELD CASE	
	64	SHIELD COVER	
	65	OPERATING INSTRUCTIONS (Dutch, Swedish, Spanish, Portguese)	ARC1249
	66	OPERATING INSTRUCTIONS (English, German, French, Italian)	ARE1181
	67	COVER	AZN1993
	68	.....	
	69	DAC ASSEMBLY	AWK1385
	70	MIC ASSEMBLY	
	71	HEAD PHONE ASSEMBLY	
	72	SUB TRANS ASSEMBLY	
	73	POWER VR ASSEMBLY	
	74	RELAY ASSEMBLY	
	75	SP TERMINAL ASSEMBLY	
	76	FUSE ASSEMBLY	
◉	77	DISPLAY ASSEMBLY	AWZ3362
◉	78	AF ASSEMBLY	AWZ3404
◉	79	POWER ASSEMBLY	AWZ2611
◉	80	STANDBY ASSEMBLY	AWZ3505
	81	DSP ASSEMBLY	AWK1445
	82	REMOTE CONTROLLER (CU-AZ021)	AXD1195
	83	SCREW	BBZ26P060FMC
	84	SCREW	BBZ26P080FMC
	85	NUT	NK90FUC
	86	FOOT(PLASTIC)	RXA1276
	87	.....	
⚠	88	FU1 FUSE(T2.5A)	AEK-403
⚠	89	FU2 FUSE(T2A)	AEK-017
⚠	90	FU3 FUSE(T1.6A)	AEK-405
⚠	91	FU4 FUSE(T1.6A)	AEK-405
⚠	92	T1 POWER TRANSFORMER	ATS1227
⚠	93	V LCD	AAV1112

2. 3 PACKING



3. P.C.B's PARTS LIST

NOTES:

- *Parts without part number cannot be supplied.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *The ⚠ 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%).*

560Ω	*56 × 10¹*	*561*	..... *RD1/4PS 5 6 1 J*
47kΩ	*47 × 10³*	*473*	..... *RD1/4PS 4 7 3 J*
0.5Ω	*0R5*		..... *RD2H 0 R 5 K*
1Ω	*010*		..... *RD1P 0 1 0 K*

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

5.62kΩ *562 × 10¹* *5621* ..... *RD1/4SR 5 6 2 1 F*

Mark	Symbol & Description	Part No.
DAC ASSEMBLY (AWK1385)		
SEMICONDUCTORS		
	IC801 LOGIC IC	TC74HCU04AP
	IC802 DIGITAL I.F. IC	PD0037
	IC803	PD0060
	IC804 LOGIC IC	TC74HC32AP
	IC805	SAA7350GP
	IC806,IC807 IC	NJM072D-E
	IC808	RC4558DXP
	Q801,Q802 TRANSISTOR	RN2203
	Q804,Q805 TRANSISTOR	2SC2458
	Q806,Q807 TRANSISTOR	2SC2878
	Q808,Q809 TRANSISTOR	RN1203
	Q810 TRANSISTOR	RN2203
	Q811 TRANSISTOR	RN2201
	Q812 TRANSISTOR	RN2203
	D801-D810 DIODE	HSS104-02
	D811 ZENER DIODE	RD6.2ESB
COIL		
	L801 AXIAL INDUCTOR	LAU330K
	L803	ATX1008
	L804 FERRITE BEAD	ATX1008
	L807,L808 AXIAL INDUCTOR	LAU010M
	L809 FERRITE BEAD	ATX1008
	L810-L813 AXIAL INDUCTOR	LAU010M
	L814 FERRITE BEAD	ATX1008
	L817 AXIAL INDUCTOR	LAU010M
	L818 FERRITE BEAD	ATX1008
	L819,L820 AXIAL INDUCTOR	LAU010M
	L821,L822 AXIAL INDUCTOR	LAU220K
	L823-L826 AXIAL INDUCTOR	LAU010M
	L827 FERRITE BEAD	ATX1008
CAPACITORS		
	C805 CERAMIC CAPACITOR	CKDYX473M16
	C806 CERAMIC CAPACITOR(0.01μF)	ACG1021
	C807 ELECTR.CAPACITOR	CEAS010M50
	C808 CERAMIC CAPACITOR(0.01μF)	ACG1021
	C809 ELECTR.CAPACITOR	CEAS101M10
	C810 ELECTR.CAPACITOR	CEAS010M50
	C811 AUDIO FILM CAPACITOR	CFTXA224J50
	C812 ELECTR.CAPACITOR	CEAS470M10
	C813 CERAMIC CAPACITOR(0.01μF)	ACG1021
	C814 CERAMIC CAPACITOR	CCDCH220J50
	C815 ELECTR.CAPACITOR	CEAS101M10
	C816 CERAMIC CAPACITOR(0.022μF)	ACG1022
	C818 ELECTR.CAPACITOR	CEAS101M10
	C819 MICA CAPACITOR	CMA220J500
	C820 ELECTR.CAPACITOR	CEAS470M10
	C821,C822 CERAMIC CAPACITOR	CKDYX473M16
	C823 CERAMIC CAPACITOR(0.01μF)	ACG1021
	C824 ELECTR.CAPACITOR	CEAS010M50
	C825 ELECTR.CAPACITOR	CEAS101M10
	C826 CERAMIC CAPACITOR(0.01μF)	ACG1021
	C827 CERAMIC CAPACITOR	CKDYX473M16
	C828 ELECTR.CAPACITOR	CEAS470M10
	C829 CERAMIC CAPACITOR	CKDYX473M16
	C830 ELECTR.CAPACITOR	CEAS470M10
	C831,C832 CERAMIC CAPACITOR(470p)	ACG1019
	C833,C834 CERAMIC CAPACITOR	CCDSL390J50
	C835 CERAMIC CAPACITOR(470p)	ACG1019
	C836 CERAMIC CAPACITOR	CKDYB471K50
	C837,C838 CERAMIC CAPACITOR	CCDSL390J50
	C839,C840 CERAMIC CAPACITOR	CKDYX473M16
	C841,C842 ELECTROLYTIC CAPACIT	CEAS470M10
	C843 CERAMIC CAPACITOR	CKDYX473M16
	C844,C845 CERAMIC CAPACITOR	CKDYB222K50
	C847 ELECTR.CAPACITOR	CEAS101M10
	C848 CERAMIC CAPACITOR	CKDYX473M16
	C849-C852 ELECTROLYTIC CAPACIT	CEAS470M10
	C853,C854 CERAMIC CAPACITOR	CKDYX473M16
	C855-C858 CERAMIC CAPACITOR(100p)	ACG1017
	C859,C860 MYLOR FILM CAPACITOR	CQMA102J50
	C861,C862 PL.STYRENE CAPACITOR	CQSA101J50
	C863,C864 ELECTROLYTIC CAPACIT	CEYA2R2M50
	C865,C866 MYLOR FILM CAPACITOR	CQMA683J50
	C867,C868 CERAMIC CAPACITOR(330p)	ACG1018
	C869,C870 ELECTROLYTIC CAPACIT	CEYA2R2M50
	C871-C876 ELECTR.CAPACITOR	CEAS470M10

Mark	Symbol & Description	Part No.
	RESISTORS	
	R870-R873 CARBON FILM RESISTOR	RD1/4PM390J
	Other resistors	RD1/8PM□□□J
	OTHERS	
	DIGITAL JACK 1-P	AKB1073
	PHOTO SENSOR MODULE	AKX1015
	CN1 CONNECTOR(11P)	KPE11
	CN5 CONNECTOR(8P)	KPE8
	T801 OSC TRANSFORMER	ATX1003
	MIC ASSEMBLY	
	SEMICONDUCTORS	
	IC601	RC4558DXP
	Q601,Q602 TRANSISTOR	2SC2458
	D601,D602 DIODE	HSS104-02
	CAPACITORS	
	C601 ELECTROLYTIC CAPACIT	CEJA220M16
	C602 CERAMIC CAPACITOR(470p)	ACG1019
	C603 ELECTROLYTIC CAPACIT	CEJA3R3M50
	C604 CERAMIC CAPACITOR(100p)	ACG1017
	C605 AUDIO FILM CAPACITOR	CFTXA474J50
	C606 CERAMIC CAPACITOR	CKCYB681K50
	C607 ELECTROLYTIC CAPACIT	CEJA100M25
	C608 ELECTR.CAPACITOR	CEJA010M50
	C609,C610 ELECTR.CAPACITOR	CEAS470M10
	C611 CERAMIC CAPACITOR	CKCYF103Z50
	C612,C613 ELECTROLYTIC CAPACIT	CEJA100M25
	RESISTORS	
	R614,R615 CARBON FILM RESISTOR	RD1/4PM390J
	VR601 VARIABLE(100K-X1)	ACS1026
	VR602 VARIABLE(10K-X1)	ACS1025
	Other resistors	RD1/8PM□□□J
	OTHERS	
	JACK(MIC)	AKN1017
	HEAD PHONE ASSEMBLY	
	CAPACITORS	
	C451 CERAMIC CAPACITOR	CKDYX104M25
	RESISTORS	
△	R453-R456 METAL OXIDE RESISTOR	RS2LMF331J
	OTHERS	
	JACK(HEAD PHONE)	AKN1010
	SUB TRANS ASSEMBLY	
	SEMICONDUCTORS	
	D191,D192 ZENER DIODE	RD6.2ESB3
	CAPACITORS	
△	C191,C192 CKA (0.01/AC400V)	ACG1003
	OTHERS	
△	AC SOCKET 1-P	AKP1034
	SOCKET 8-P	AKP1045
△	RY191 RELAY	ASR1024
△	T191 POWER TRANSFORMER	ATT1115

Mark	Symbol & Description	Part No.
	POWER VR ASSEMBLY	
	SEMICONDUCTORS	
	IC651	RC4558DXP
	CAPACITORS	
	C651,C652 ELECTR.CAPACITOR	CEAS100M25
	C653 ELECTR.CAPACITOR	CEAS470M10
	C654 ELECTROLYTIC CAPACIT	CEYA470M25
	C655 CERAMIC CAPACITOR	CKCYX103M25
	C656 ELECTROLYTIC CAPACIT	CEYA470M25
	C657,C658 CERAMIC CAPACITOR	CCCSL390J50
	C661,C662 ELECTR.CAPACITOR	CEAS100M50
	RESISTORS	
	R659-R661 CARBON FILM RESISTOR	RD1/4PM390J
	VR651 VARIABLE RESISTOR	ACX1027
	Other resistors	RD1/8PM□□□J
	OTHERS	
	CN2 CONNECTOR(15P)	KPE15
	◉DISPLAY ASSEMBLY (AWZ3362)	
	SEMICONDUCTORS	
	IC701	PD5160A
	Q701-Q704 TRANSISTOR	DTA124ES
	Q705,Q706 TRANSISTOR	DTA143ES
	Q707-Q711 TRANSISTOR	DTA124ES
	Q712,Q713 TRANSISTOR	2SC2458
	Q716 TRANSISTOR	DTC124ES
	Q717,Q718 TRANSISTOR	2SC2458
	D701,D702 DIODE	HSS104-02
	D703 LED(RED)	AEL1099
	D704-D706 DIODE	HSS104-02
	D707,D708 LED(RED)	AEL1099
	D709 LED	AEL1100
	D710,D712,D714,D715 LED(RED)	AEL1099
	D717,D718 LED(RED,AMBER)	AEL1101
	D719-D721 DIODE	HSS104-02
	D722 LED(RED)	AEL1099
	D723,D724,D730,D731 DIODE	HSS104-02
	SWITCHES	
	S701-S714 SWITCH	ASG1029
	COIL	
	L701 AXIAL INDUCTOR	LAU101K
	CAPACITORS	
	C701 CERAMIC CAPACITOR	CKCYX473M25
	C702 ELECTR.CAPACITOR	CEAS221M10
	C703,C704 CERAMIC CAPACITOR	CKCYX103M25
	C705 CERAMIC CAPACITOR	CKCYB102K50
	C706 ELECTR.CAPACITOR	CEAS010M50
	C707 CEA (47000/5.5V)	ACH1070
	C708 ELECTR.CAPACITOR	CEAS4R7M50
	C709,C710 CERAMIC CAPACITOR(0.01μF)	ACG1021
	C711 CERAMIC CAPACITOR	CKCYX473M25

Mark	Symbol & Description	Part No.
	RESISTORS	
	R742 RESISTOR ARRAY 100K	RA5T104J
	R744 RESISTOR ARRAY(100K)	RA6T104J
	R761 RESISTOR ARRAY (10K)	RA4T104J
	Other resistors	RD1/8PM□□□J
	OTHERS	
	X701 CERAMIC RESONATOR	ASS1025
	SOCKET(10P)	AKP1044
	REMOTE RECEIVER UNIT	AXX1010

RELAY ASSEMBLY

	SEMICONDUCTORS	
	Q451 TRANSISTOR	DTC124ES
	Q452,Q453 TRANSISTOR	2SD438
	Q454 TRANSISTOR	DTC124ES
	Q455,Q456 TRANSISTOR	2SD438
	D451-D460 ZENER DIODE	RD12ESB3
	COILS	
	L451,L452 COIL	ATH1004
	CAPACITORS	
	C461-C464 MYLOR FILM CAPACITOR	CQMA104J50
	RESISTORS	
	R461-R464 CARBON FILM RESISTOR	RD1/4PMFL100J
	R474-476 METAL OXIDE RESISTOR	RS2LMF102J
	Other resistors	RD1/8PM□□□J
	OTHERS	
	CN451 CONNECTOR(7P)	KPC7
	RY451-RY455 RELAY	ASR-112

SP TERMINAL ASSEMBLY

	SWITCHES	
	S451 SWITCH	ASH1015
	CAPACITORS	
	C465 ELECTROLYTIC CAPACIT	CEANP4R7M100
	OTHERS	
	PIN JACK(2P)	AKB1039
	SPEAKER TERMINAL 8-P	AKE-111
	CN453 JUMPER CONNECTOR	KPC8

◉POWER ASSEMBLY (AWZ2611)

	SEMICONDUCTORS	
	IC401 AUDIO IC	STK4211-5P
	CAPACITORS	
	C401,C402 POLYESTER CAPACITOR	CQMXA512J100
	C403 ELECTR.CAPACITOR	CEAS4R7M50
	C404 ELECTROLYTIC CAPACIT	CEHAQ4R7M50
	C405,C406 CERAMIC CAPACITOR	CCDSL470J50
	C407,C408 ELECTROLYTIC CAPACIT	CEYA101M50
	C409,C410 CERAMIC CAPACITOR	CKDYB102K50
	C411,C412 ELECTR.CAPACITOR	CEAS010M50
	C413,C414 ELECTR.CAPACITOR	CEAS220M50
	C415,C416 ELECTR.CAPACITOR	CEAS470M50
	C417,C418 ELECTR.CAPACITOR	CEAS101M25
	C423 ELECTR.CAPACITOR	CEAS470M50
	C425,C426 MICA CAPACITOR	CMA030D500
	C427-C430 ELECTROLYTIC CAPACIT	CEYA220M50
	RESISTORS	
	R405,R406 CARBON FILM RESISTOR	RDR1/4PM563
	R411-R414 CARBON FILM RESISTOR	RD1/2PM472J
⚠	R417,R418 CARBON FILM RESISTOR	RD1/4PMFL22
	R419 CARBON FILM RESISTOR	RD1/2PM102J
⚠	R420,R422 CARBON FILM RESISTOR	RD1/4PMFL10
⚠	R421 CARBON FILM RESISTOR	RD1/4PMFL47
	Other resistors	RD1/8PM□□□

FUSE ASSEMBLY

	CAPACITORS	
	C390 MYLOR FILM CAPACITOR	CQMA104K250

◉AF ASSEMBLY (AWZ3404)

	SEMICONDUCTORS	
	IC101 REGULATOR IC	UPC78M05H
	IC102 REGULATOR IC	NJM78M56FAS
	IC103 REGULATOR IC	NJM79M05FA
	IC104 REGULATOR IC	UPC78M12H
	IC105 MECHANISM DRIVER IC	TA7291S
	IC201	RC4558DXP
	IC202 LOGIC IC	TC4066BP
	IC203	MC14052BCP
	IC204 OP-AMP IC	M5218ALF
	IC205 E-SW IC	LC4966
	IC206	MC14052BCP
	IC207	RC4558DXP
	IC208 OP-AMP IC	M5218ALF
	IC501	MC14052BCP
	Q101 TRANSISTOR	2SB560
	Q102 TRANSISTOR	2SA970
	Q103-Q105 TRANSISTOR	2SC2458
	Q106 TRANSISTOR	2SD438
	Q107,Q108 TRANSISTOR	DTC124ES
	Q501 TRANSISTOR	2SA1048
	Q502 TRANSISTOR	2SC2458
	Q503,Q551 TRANSISTOR	2SA1048
	Q552 TRANSISTOR	2SC2603
	Q553 TRANSISTOR	2SA1048
	D101 DIODE	RBV602
	D102-D107 DIODE	S5566
	D108 DIODE	RB152
	D109 DIODE	HSS104-02
	D110 ZENER DIODE	RD33ESB2
	D111 ZENER DIODE	RD6.2ESB
	D112,D113 DIODE	HSS104-02
	D114 ZENER DIODE	RD3.0ESB1
	D115 DIODE	HSS104-02
	D116 ZENER DIODE	RD4.7ESB
	D117 DIODE	HSS104-02
	D158 ZENER DIODE	RD12ESB3
	D501 DIODE	HSS104-02

Mark	Symbol & Description	Part No.
COILS		
	L501,L502 AXIAL INDUCTOR	LAU101K
CAPACITORS		
	C101 CKA (0.01/AC250V)	ACG1005
	C102,C103 CERAMIC CAPACITOR	CKDYF103Z50
	C104,C105 ELECTR.CAPACIT(5600/56)	ACH1031
	C106,C107 ELECTR.CAPACITOR	CEAS222M16
	C108 ELECTR.CAPACITOR	CEAS471M50
	C109 ELECTR.CAPACITOR	CEAS332M25
	C110 ELECTR.CAPACITOR	CEHAQ101M50
	C111,C112 ELECTR.CAPACITOR	CEAS101M50
	C113 ELECTROLYTIC CAPACIT	CEHAQ220M50
	C114 ELECTROLYTIC CAPACIT	CEHAQ470M50
	C115 ELECTR.CAPACITOR	CEHAQ101M50
	C116 ELECTROLYTIC CAPACIT	CEHAQ221M10
	C117 ELECTR.CAPACITOR	CEAS100M25
	C118 CERAMIC CAPACITOR	CKCYX103M25
	C119 ELECTR.CAPACITOR	CEAS221M10
	C120 ELECTR.CAPACITOR	CEAS010M50
	C121 CERAMIC CAPACITOR(0.01μF)	ACG1021
	C160 ELECTR.CAPACITOR	CEAS101M50
	C201,C202 CERAMIC CAPACITOR(100p)	ACG1017
	C203,C204 ELECTR.CAPACITOR	CEAS2R2M50
	C205,C206 ELECTR.CAPACITOR	CEAS3R3M50
	C207,C208 CERAMIC CAPACITOR(100p)	ACG1017
	C209,C210 CERAMIC CAPACITOR	CKCYB152K50
	C211,C212 CERAMIC CAPACITOR	CKCYB562K50
	C213,C214 ELECTR.CAPACITOR	CEAS010M50
	C215,C216 ELECTR.CAPACITOR	CEAS470M10
	C217,C218 ELECTR.CAPACITOR	CEAS4R7M50
	C219,C220 ELECTR.CAPACITOR	CEAS100M25
	C221,C222 ELECTROLYTIC CAPACIT	CEYA470M50
	C223,C224 ELECTR.CAPACITOR	CEAS100M25
	C233-C236 ELECTR.CAPACITOR	CEAS100M25
	C237 CERAMIC CAPACITOR	CKDYX104M25
	C238 CERAMIC CAPACITOR	CKDYF473Z50
	C239,C240 ELECTR.CAPACITOR	CEAS2R2M50
	C241-C244 ELECTR.CAPACITOR	CEAS100M25
	C245 ELECTR.CAPACITOR	CEASR22M50
	C247,C248 ELECTROLYTIC CAPACIT	CEYA470M50
	C387 CERAMIC CAPACITOR	CKDYF473Z50
	C502,C503 ELECTR.CAPACITOR	CEAS101M10
	C504 ELECTROLYTIC CAPACIT	CEAS102M6
	C505 CERAMIC CAPACITOR	CCCSL270J50
	C506 ELECTROLYTIC CAPACIT	CEAS102M6
	C507-C509 ELECTR.CAPACITOR	CEAS101M10
RESISTORS		
⚠	R101,R102 METAL OXIDE RESISTOR	RS2LMFR22J
⚠	R103 METAL OXIDE RESISTOR	RS2LMF222J
⚠	R105,R106 CARBON FILM RESISTOR	RD1/4PMF470J
⚠	R121,R122 METAL OXIDE RESISTOR	RS1LMF8R2J
⚠	R129 CARBON FILM RESISTOR	RD1/2PMFL2R2J
	R130,R131 CARBON FILM RESISTOR	RD1/2PM472J
	R132-R134 CARBON FILM RESISTOR	RD1/4PM100J
⚠	R135 CARBON FILM RESISTOR	RD1/4PM100J
⚠	R136 METAL OXIDE RESISTOR	RS3LMF2R2J
	R217,R218 CARBON FILM RESISTOR	RD1/4PM390J
	Other resistors	RD1/8PM□□□J

Mark	Symbol & Description	Part No.
OTHERS		
	PHONO JACK 4-P	AKB-115
	PIN JACK(1P)	AKB1105
	PIN JACK(9P)	AKB1128
	PLUG(10P)	AKM1037
	JACK	AKN-203
	SOCKET(4P)	AKP1046
	SOCKET(14P)	AKP1048
	SOCKET(15P)	AKP1049
	SOCKET(13P)	AKP1052
	SCREW	PBZ30P080FMC

◉STANDBY ASSEMBLY (AWZ3505)

SEMICONDUCTORS		
	IC151 REGULATOR IC	NJM78M56FAS
	Q152 TRANSISTOR	2SB560
	Q554 TRANSISTOR	2SD438
	D151-D154 DIODE	S5566
	D156 ZENER DIODE	RD33ESB2
	D157 ZENER DIODE	RD6.2ESB
CAPACITORS		
	C151 ELECTROLYTIC CAPACIT	CEHAQ222M16
	C152 ELECTROLYTIC CAPACIT	CEHAQ471M16
	C153,C156 ELECTROLYTIC CAPACIT	CEHAQ221M50
	C157 ELECTROLYTIC CAPACIT	CEHAQ220M50
	C158 ELECTROLYTIC CAPACIT	CEHAQ470M50
	C159 ELECTROLYTIC CAPACIT	CEHAQ221M10
RESISTORS		
⚠	R151,R152 METAL OXIDE RESISTOR	RS3LMF122J
⚠	R153 METAL OXIDE RESISTOR	RS2LMF222J
⚠	R157 CARBON FILM RESISTOR	RD1/4PMFL4R7J
	Other resistors	RD1/8PM□□□J

DSP ASSEMBLY (AWK1445)

SEMICONDUCTORS		
	IC901-IC903	RC4558DXP
	IC904 AD CONVERTER IC	TD6726N
	IC905	PD0055
	IC906,IC907 MEMORY IC	MB81464-12
	IC908 CONTROL MCU	PDG071A
	Q901 TRANSISTOR	DTA143ES
	D901,D902 DIODE	HSS104-02
COILS, FILTERS		
	F901,F902 FILTER	ATF1071
	L901-L903 AXIAL INDUCTOR	LAU330K
	L904 AXIAL INDUCTOR	LAUR22M
	L905,L906 AXIAL INDUCTOR	LAU220K
	L999 AXIAL INDUCTOR	LAU330K
CAPACITORS		
	C901,C902 ELECTR.CAPACITOR	CEAS2R2M50
	C903,C904 MYLOR FILM CAPACITOR	CQMA563J50
	C905,C906 ELECTR.CAPACITOR	CEAS220M25
	C907,C908 PL.STYRENE CAPACITOR	CQSA202J50
	C909,C910 CERAMIC CAPACITOR	CCCSL151J50

Mark	Symbol & Description	Part No.
	C911,C912 CERAMIC CAPACITOR	CCCSL180J50
	C913-C916 CERAMIC CAPACITOR	CKCYX473M25
	C917,C918 ELECTROLYTIC CAPACIT	CEANP470M16
	C919 CERAMIC CAPACITOR	CCDCH100D50
	C920 CERAMIC CAPACITOR	CCDCH330J50
	C921 CERAMIC CAPACITOR	CKDYF473Z50
	C922 CERAMIC CAPACITOR	CCDCH100D50
	C923 CERAMIC CAPACITOR	CKDYF473Z50
	C924 ELECTR.CAPACITOR	CEAS470M10
	C925 CERAMIC CAPACITOR(0.022μF)	ACG1022
	C926 ELECTR.CAPACITOR	CEAS470M25
	C927 CERAMIC CAPACITOR(0.022μF)	ACG1022
	C928-C930 ELECTR.CAPACITOR	CEAS470M25
	C931 ELECTR.CAPACITOR	CEAS010M50
	C932 CERAMIC CAPACITOR(0.022μF)	ACG1022
	C933 ELECTR.CAPACITOR	CEAS101M16
	C934 ELECTR.CAPACITOR	CEAS101M50
	C935 CERAMIC CAPACITOR	CKDYF473Z50
	C937,C938 CERAMIC CAPACITOR	CCDCH100D50
	C939 CERAMIC CAPACITOR(0.022μF)	ACG1022
	C940 CERAMIC CAPACITOR(0.022μF)	ACG1022
	C941 CERAMIC CAPACITOR	CKDYF473Z50
	C943,C944 ELECTR.CAPACITOR	CEAS101M50
	C945 CERAMIC CAPACITOR	CKDYF473Z50
	C947,C948 CERAMIC CAPACITOR(0.01μF)	ACG1021

RESISTORS

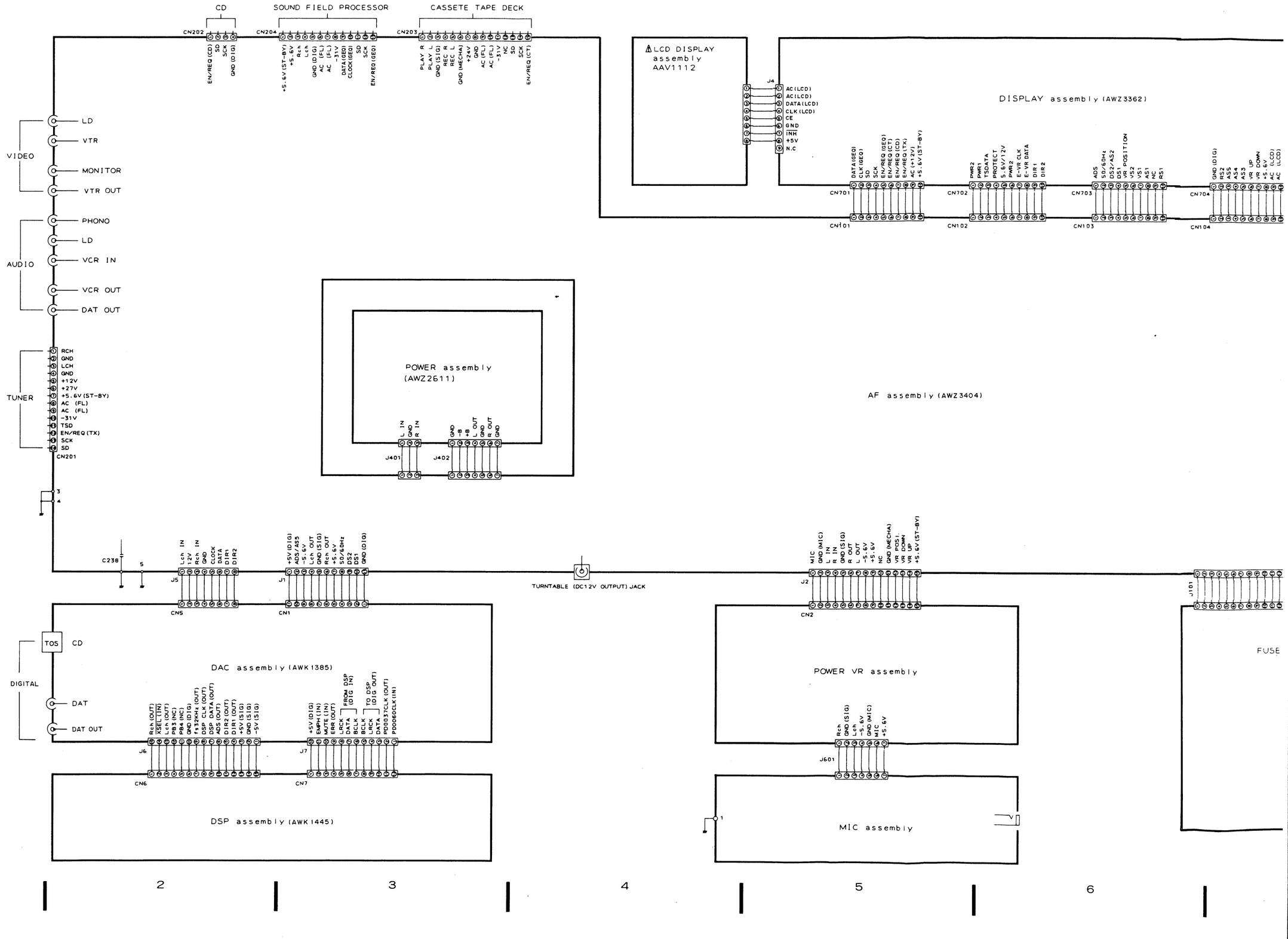
	R952,R953 CARBON FILM RESISTOR	RD1/4PM390J
	R955 RESISTOR ARRAY (10K)	RA7T103J
	VR901 VR	VRTB6VS102
	VR902 VR	VRTB6VS102
	Other resistors	RD1/8PM□□□J

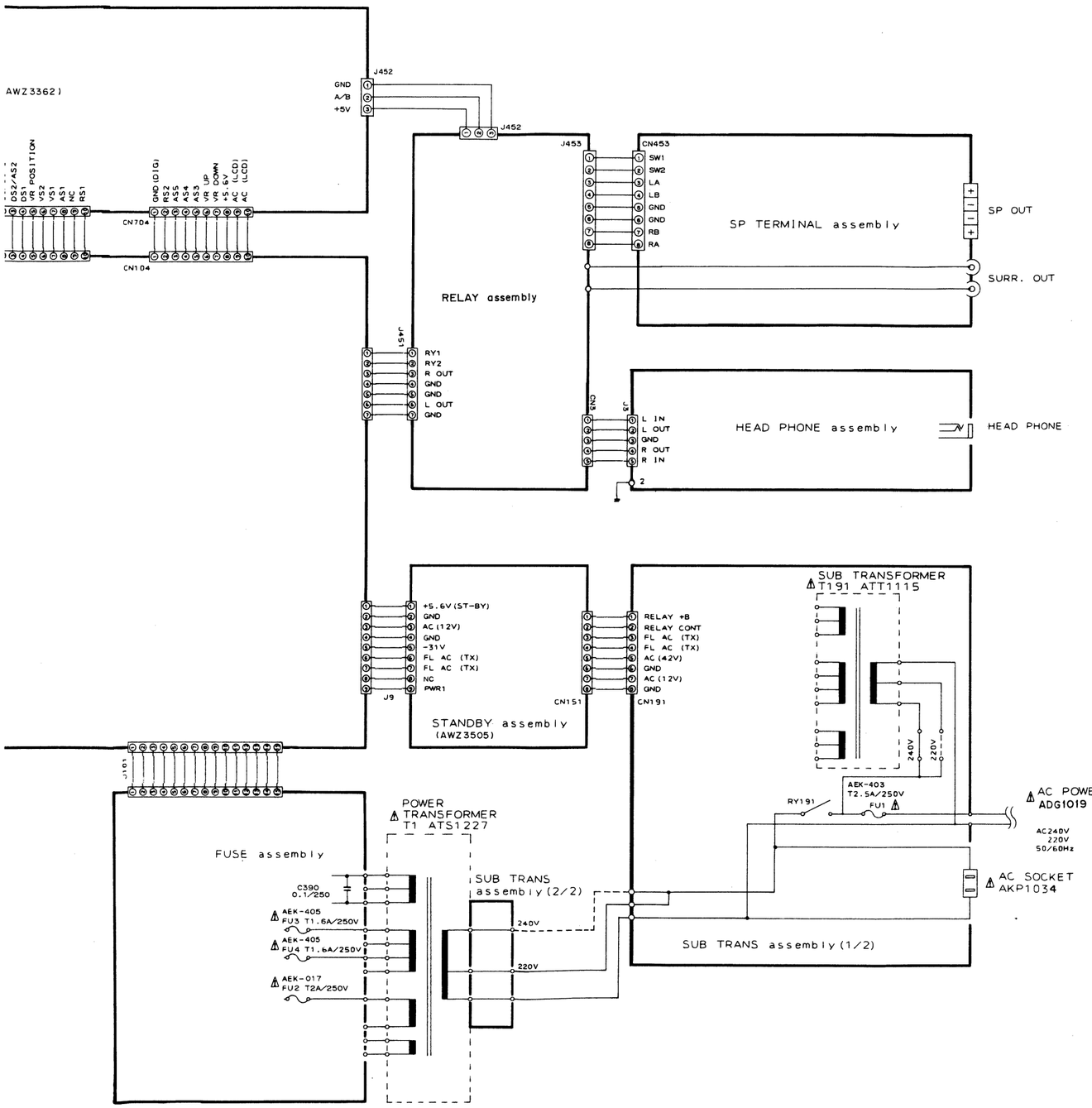
OTHERS

	CN6 CONNECTOR(15P)	KPE15
	CN7 CONNECTOR(12P)	KPE12
	X901 CRYSTAL RESONATOR	ASS1036
	X902 CRYSTAL RESONATOR	ASS1035
	X903 CRYSTAL RESONATOR	ASS1015

4. SCHEMATIC DIAGRAMS AND P.C.BOARD CONNECTION DIAGRAMS

4. 1 OVER ALL SCHEMATIC DIAGRAM





1.RESISTORS :
Indicated in Ω, 1/8, 1/4W,, ±5% tolerance unless otherwise noted k ; kΩ, M ; MΩ, (F) ; ±1%, (G) ; ±2%, (K) ; ±10%, (M) ; ±20% tolerance.

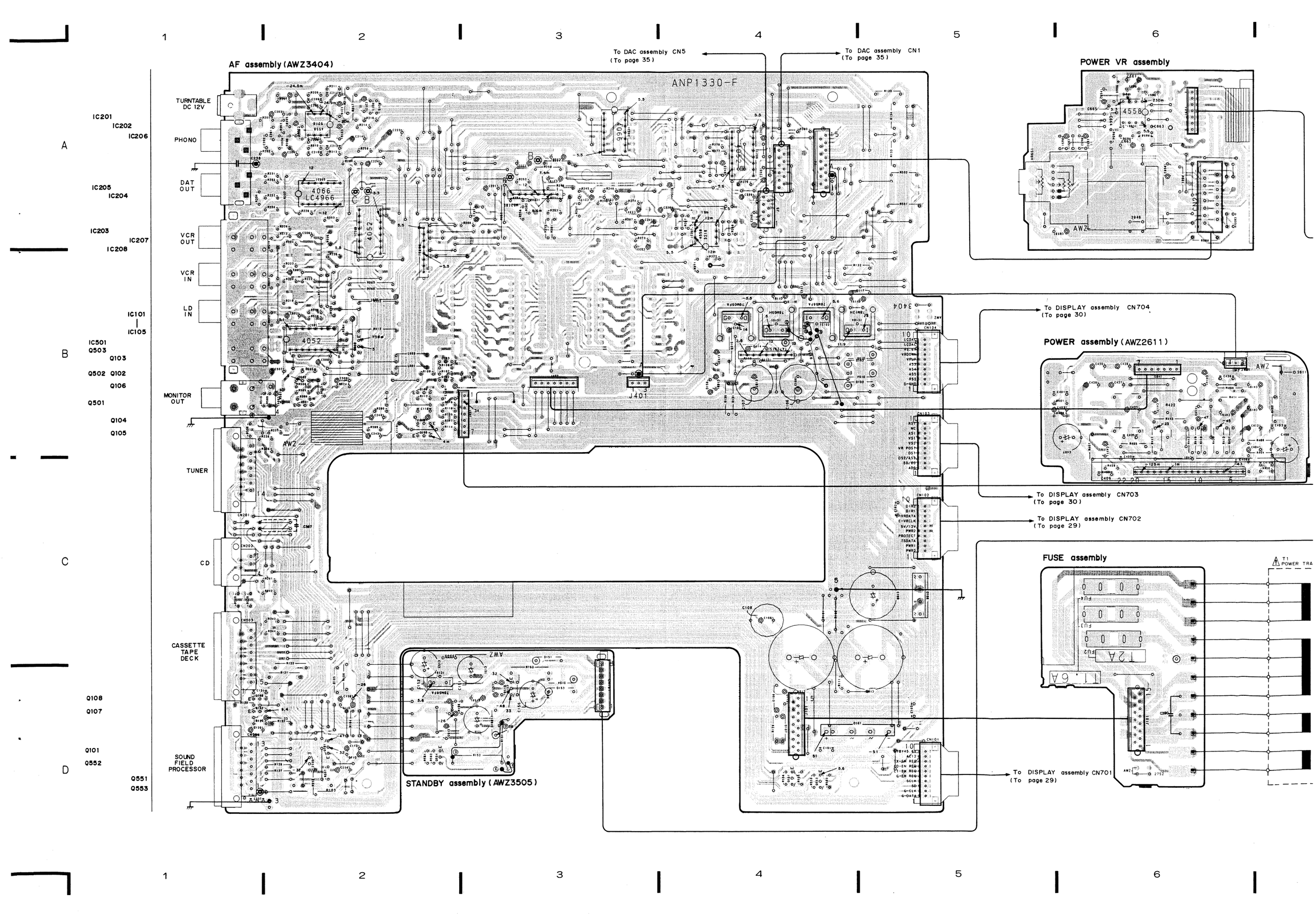
2.CAPACITORS :
Indicated in capacity (μF)/voltage(V) unless otherwise noted p ; pF. Indication without voltage is 50V except electrolytic capacitor.

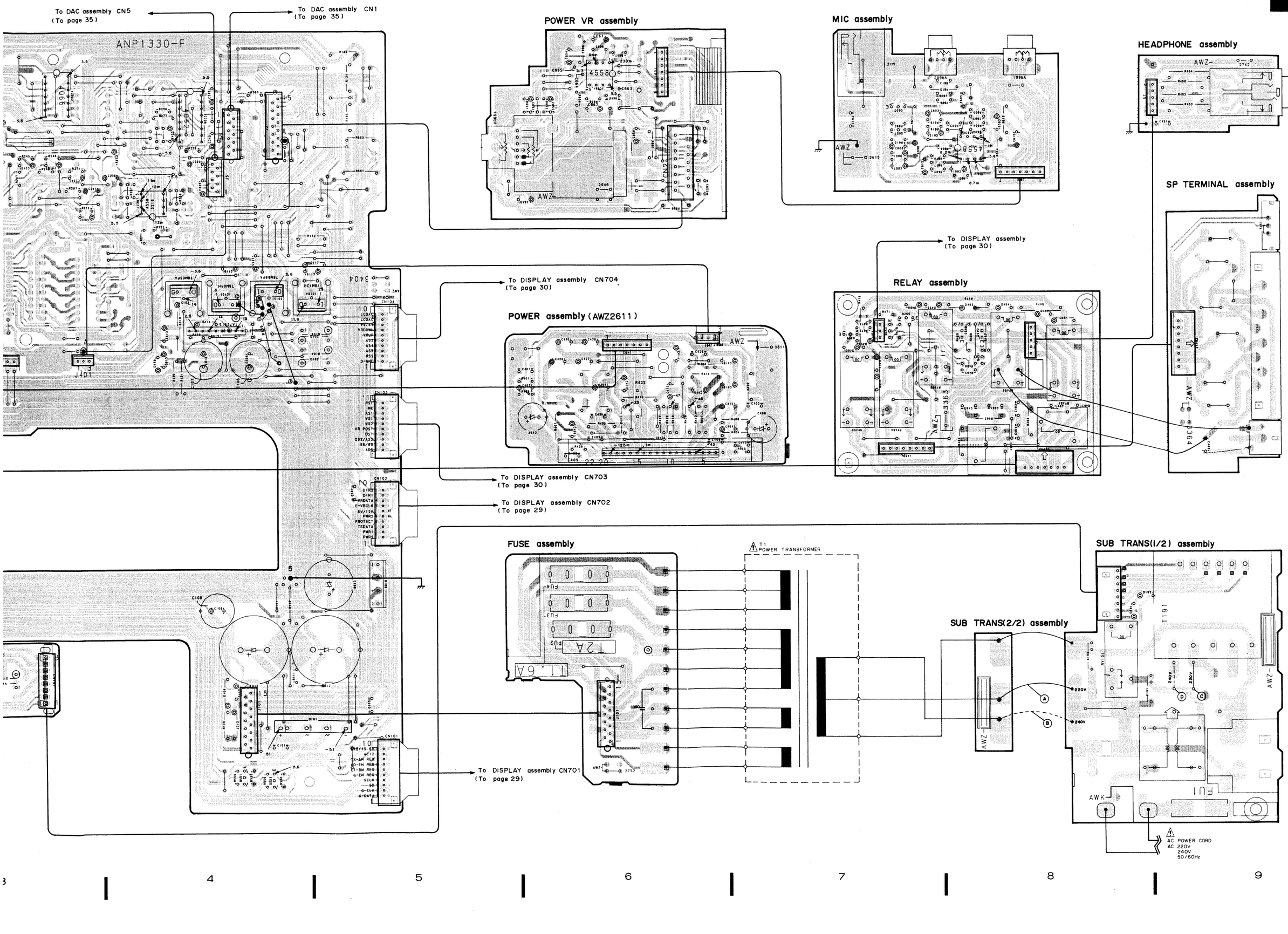
3.VOLTAGE, CURRENT :
[V] ; Signal voltage at 80 W + 80 W, 8Ω output(1kHz).
; DC voltage (V) at no input signal.
Value in ( ) is DC voltage at rated power.
⇦mA ; DC current at no input signal.

4.OTHERS :
➡ ; Signal route.
⊘ ; Adjusting point
The ⚠ mark found on some component parts indicates the inportance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
※ marked capacitors and resistors have parts numbers.
This is the basic schematic diagram, but the actual circuit may vary due to improvements in design.

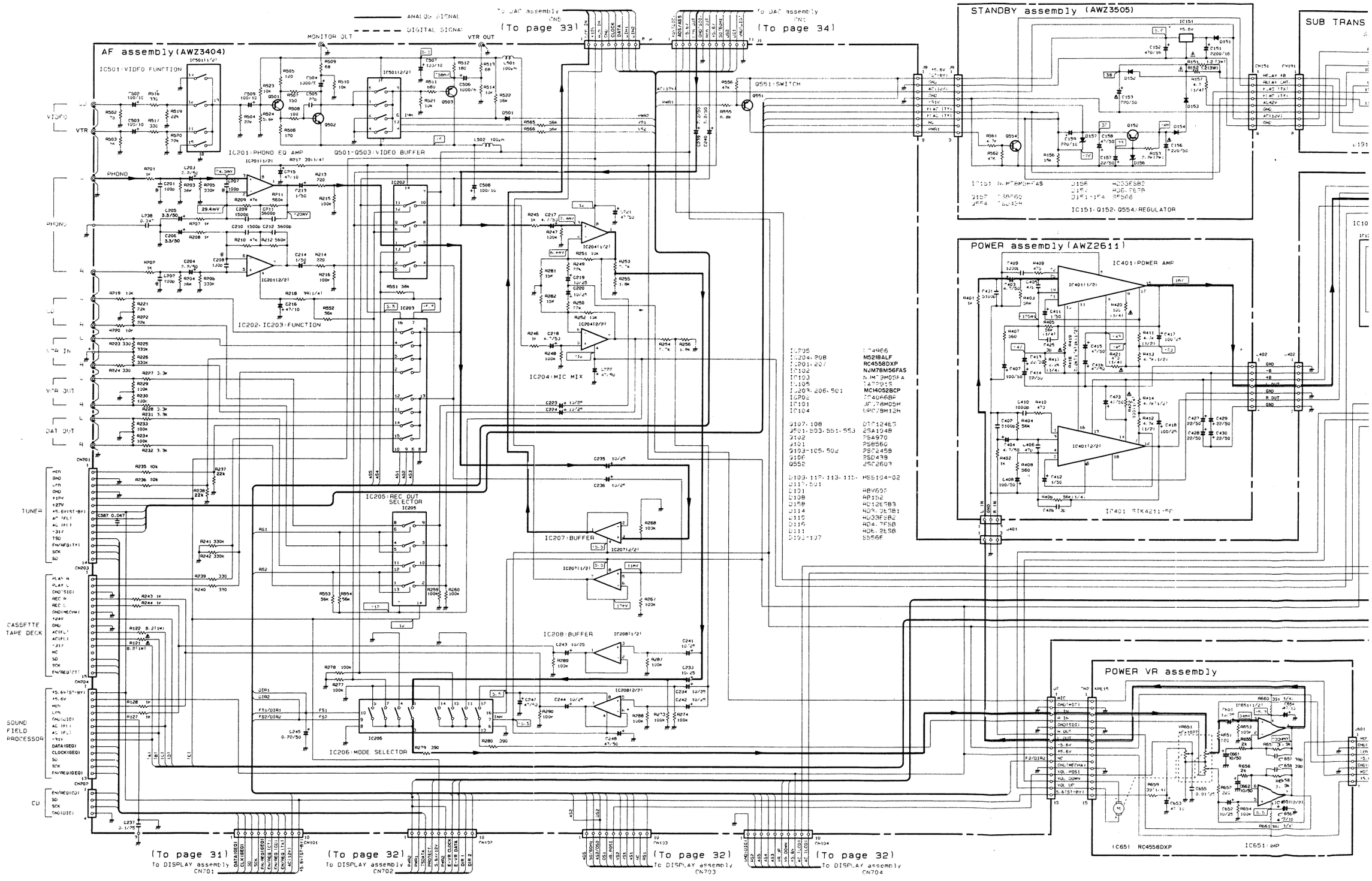
5.SWITCHES :
DISPLAY ASSEMBLY

S701 : POWER
S702 : LSS SET
S703 : LSS MODE
S704 : PHONO
S705 : TUNER
S706 : TAPE
S707 : DAT
S708 : CD
S709 : LD
S710 : VCR
S711 : VIDEO SIGNAL SELECTOR
S712 : DIRECT MODE
S713 : MUTING
S714 : SPEAKERS A/B OR A+B

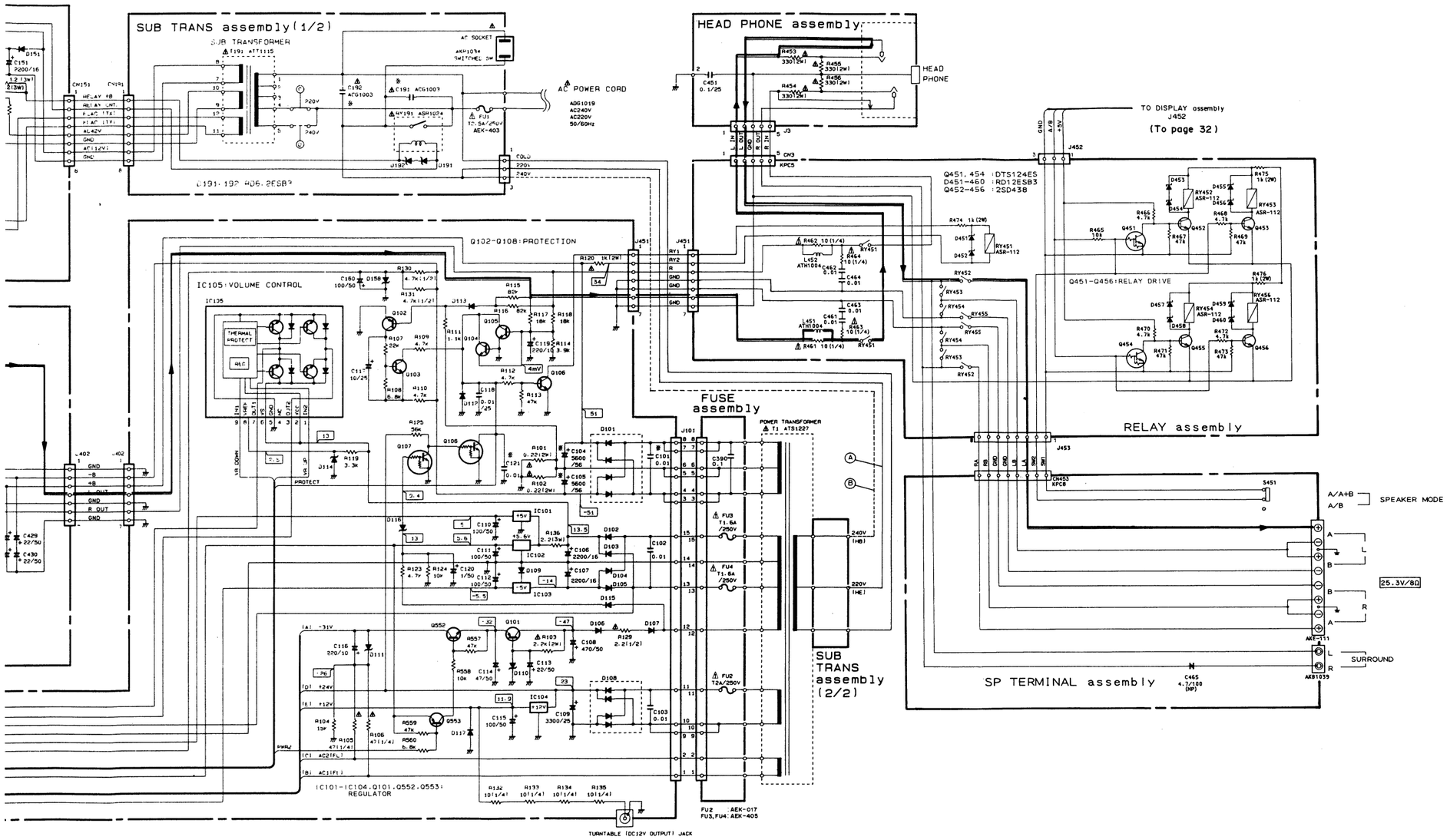

AF assembly (AWZ3404)
ANP1330-F
To DAC assembly CN5
(To page 35)
To DAC assembly CN1
(To page 35)
POWER VR assembly
TURNTABLE DC 12V
PHONO
DAT OUT
VCR OUT
VCR IN
LD IN
MONITOR OUT
TUNER
CD
CASSETTE TAPE DECK
SOUND FIELD PROCESSOR
IC201
IC202
IC206
IC205
IC204
IC203
IC207
IC208
IC101
IC105
IC501
Q503
Q103
Q502
Q102
Q106
Q501
Q104
Q105
Q108
Q107
Q101
Q552
Q551
Q553
To DISPLAY assembly CN704
(To page 30)
POWER assembly (AWZ2611)
To DISPLAY assembly CN703
(To page 30)
To DISPLAY assembly CN702
(To page 29)
FUSE assembly
T2A
T1.6A
To DISPLAY assembly CN701
(To page 29)
STANDBY assembly (AWZ3505)


To DAC assembly CN5
(To page 35)
To DAC assembly CN1
(To page 35)
ANP1330-F
POWER VR assembly
MIC assembly
HEADPHONE assembly
SP TERMINAL assembly
To DISPLAY assembly
(To page 30)
RELAY assembly
To DISPLAY assembly CN704
(To page 30)
POWER assembly (AWZ2611)
To DISPLAY assembly CN703
(To page 30)
To DISPLAY assembly CN702
(To page 29)
FUSE assembly
T1
POWER TRANSFORMER
SUB TRANS(2/2) assembly
SUB TRANS(1/2) assembly
To DISPLAY assembly CN701
(To page 29)
AC POWER CORD
AC 220V
240V
50/60Hz

4. 2 AF(AWZ3404), STANDBY(AWZ3505), SP TERMINAL, FUSE, POWER(AWZ2611), MIC, POWER VR, RELAY, SUB TRANS and HEAD PHONE assemblies



IC205	M52IBALF
IC204, 208	RC4558DXP
IC201, 207	NJM78M56FAS
IC102	NJM78M05FA
IC103	LA7805S
IC105	MC14052BCP
IC203, 206, 501	TC4066BF
IC202	UPC78M05H
IC101	UPC78M12H
IC104	
Q107, 108	DTC124E3
Q501-503, 551, 553	2SA1048
Q102	2SA970
Q101	2SB560
Q103-105, 502	2SC2458
Q106	2SD499
Q552	2SC2603
Q109, 112, 113, 115, Q117, 501	MSS104-02
D101	RBV602
D108	RB152
D158	RD12ESB3
D114	RD9.1ESB1
D112	RD33ESB2
D115	RD4.7ESB
D111	RD6.2ESB
D102-107	1SS56F



Line Voltage Selection (HE AND HEWZIW TYPES)

Line voltage can be changed with the following steps.

1. Disconnect the AC power cord.
2. Remove the top cover.
3. Change the position of the connection wires to SUB TRANS ASSEMBLY (1/2) from SUB TRANS ASSEMBLY (2/2) as follows.

Voltage	Connection Wire Ⓐ	Connection Wire Ⓑ
220V	○	×
240V	×	○

○ : Be needed
× : Be needless

4. Change the position of the jumper wires Ⓒ and Ⓓ as follows. (SUB TRANS ASSEMBLY(1/2)).

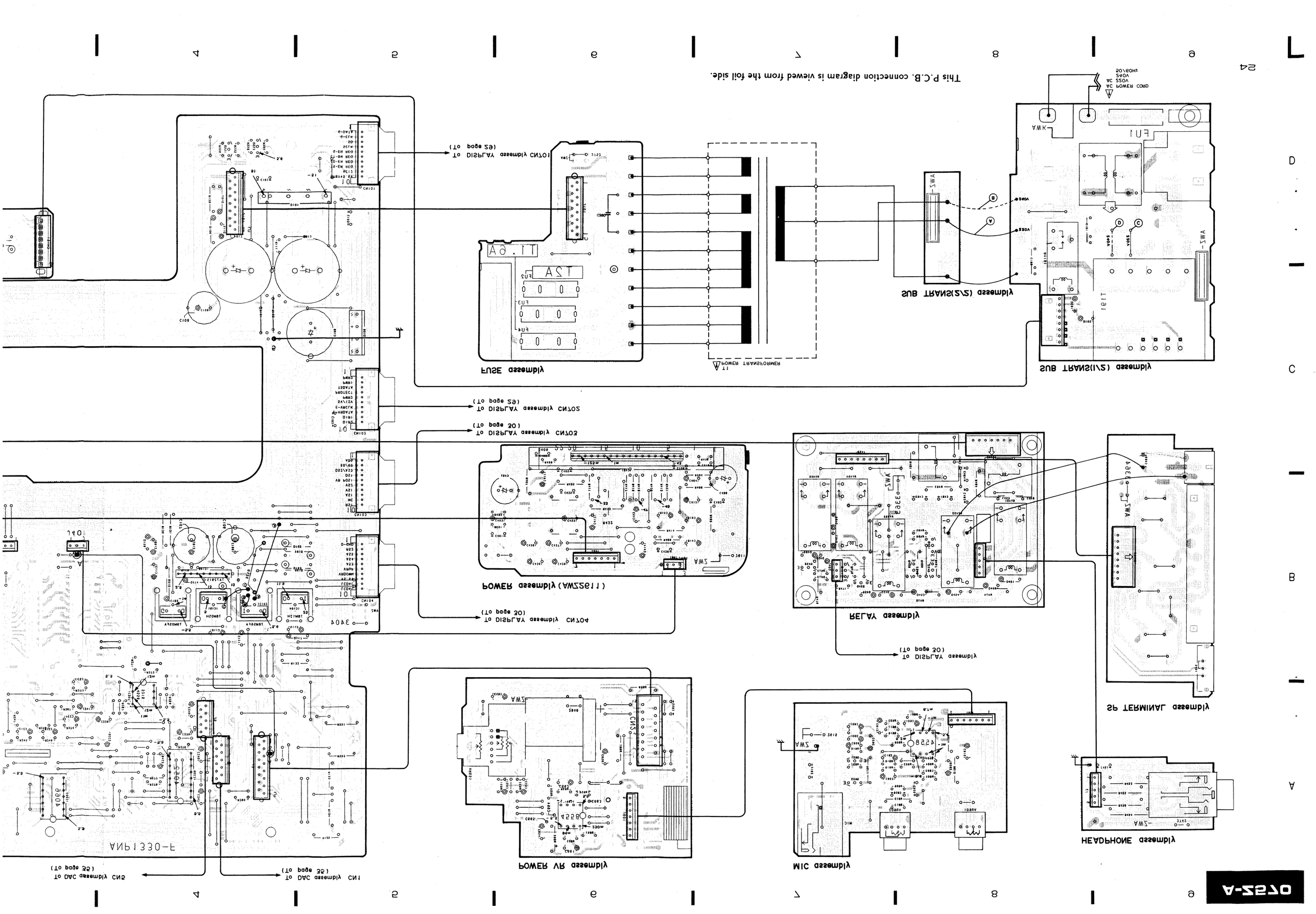
Voltage	Jumper Wire Ⓒ	Jumper Wire Ⓓ
220V	○	×
240V	×	○

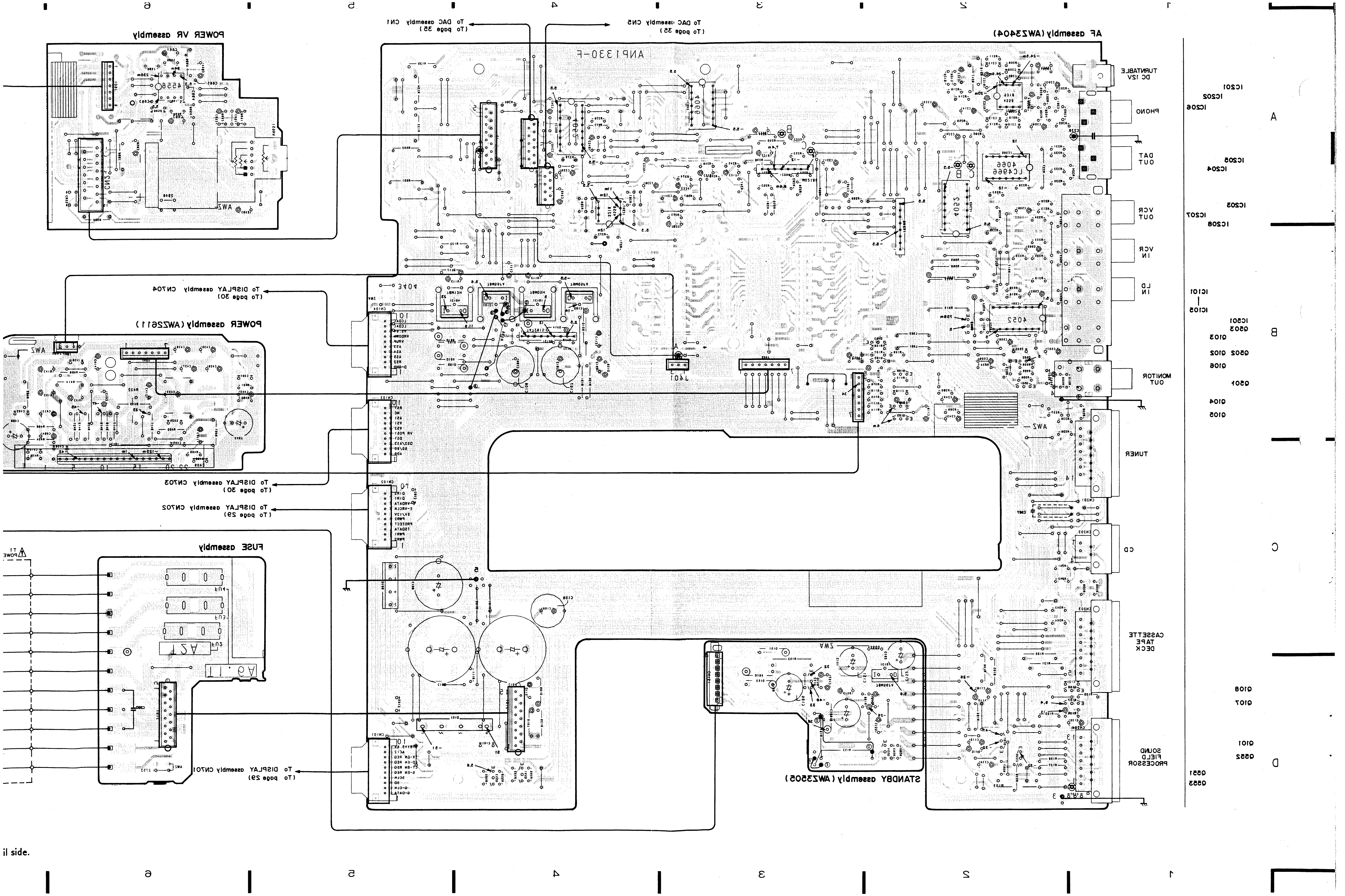
○ : Be needed
× : Be needless

5. Stick the line voltage label on the rear panel.

Parts No.	Description
AXX-193	220V label
AXX-192	240V label

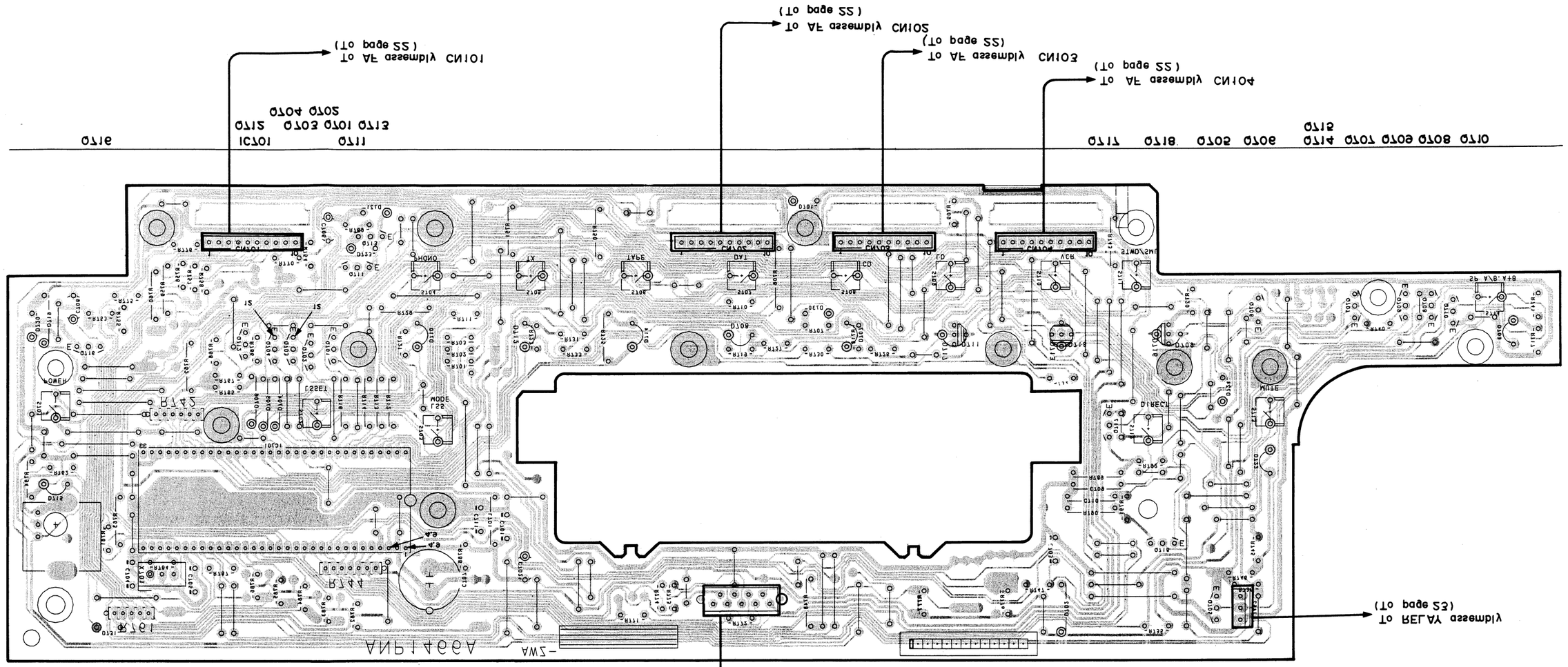
This P.C.B. connection diagram is viewed from the foil side.





AF assembly (AWZ3404)
POWER VR assembly
POWER assembly (AWZ611)
FUSE assembly
STANDBY assembly (AWZ3505)
To DAC assembly CN1 (To page 35)
To DAC assembly CN5 (To page 35)
To DISPLAY assembly CN704 (To page 30)
To DISPLAY assembly CN703 (To page 30)
To DISPLAY assembly CN702 (To page 29)
To DISPLAY assembly CN701 (To page 29)
ANP1330-F
TURNTABLE DC 12V
PHONO
DAT OUT
VCR OUT
VCR IN
LD IN
MONITOR OUT
TUNER
CD
CASSETTE TAPE DECK
SOUND FIELD PROCESSOR
IC201
IC202
IC206
IC205
IC204
IC203
IC207
IC208
IC101
IC105
IC501
Q503
Q103
Q502
Q102
Q106
Q504
Q104
Q105
Q108
Q107
Q101
Q552
Q551
Q553
J401
4066
4052

il side.



This P.C.B. connection diagram is viewed from the foil side.

4.3 DISPLAY(AWZ3385) assembly

4. 3 DISPLAY(AWZ3362) assembly

NOTE

1. This P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wirng symbols listed in the following Table.

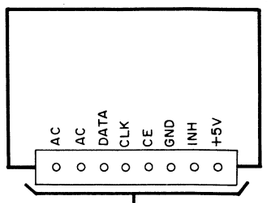
P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
Q504 E	or	Transistor
Q215	or	Radiator type transistor
D203	D203	Diode
R237	R237	Resistor
C513	+	Capacitor (Polarity)
C518		Capacitor (Non-polarity)

Others

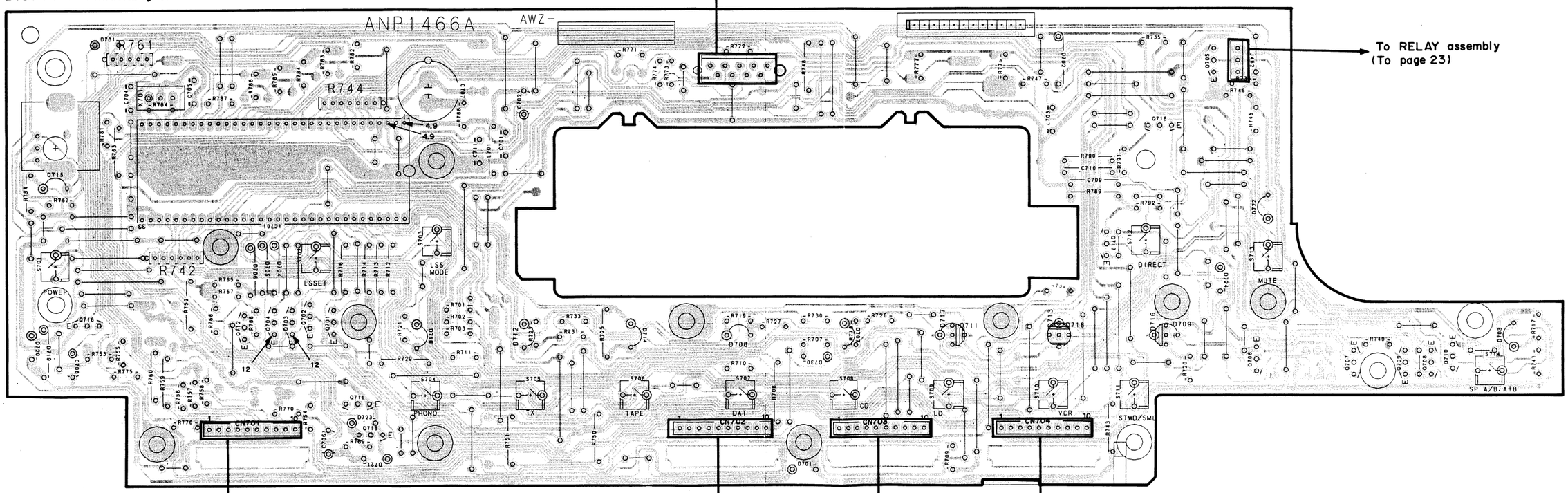
P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

3. The capactor terminal marked with ◎ (double circles) shows negative terminal.
4. The diode terminal marked with ◎ (double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

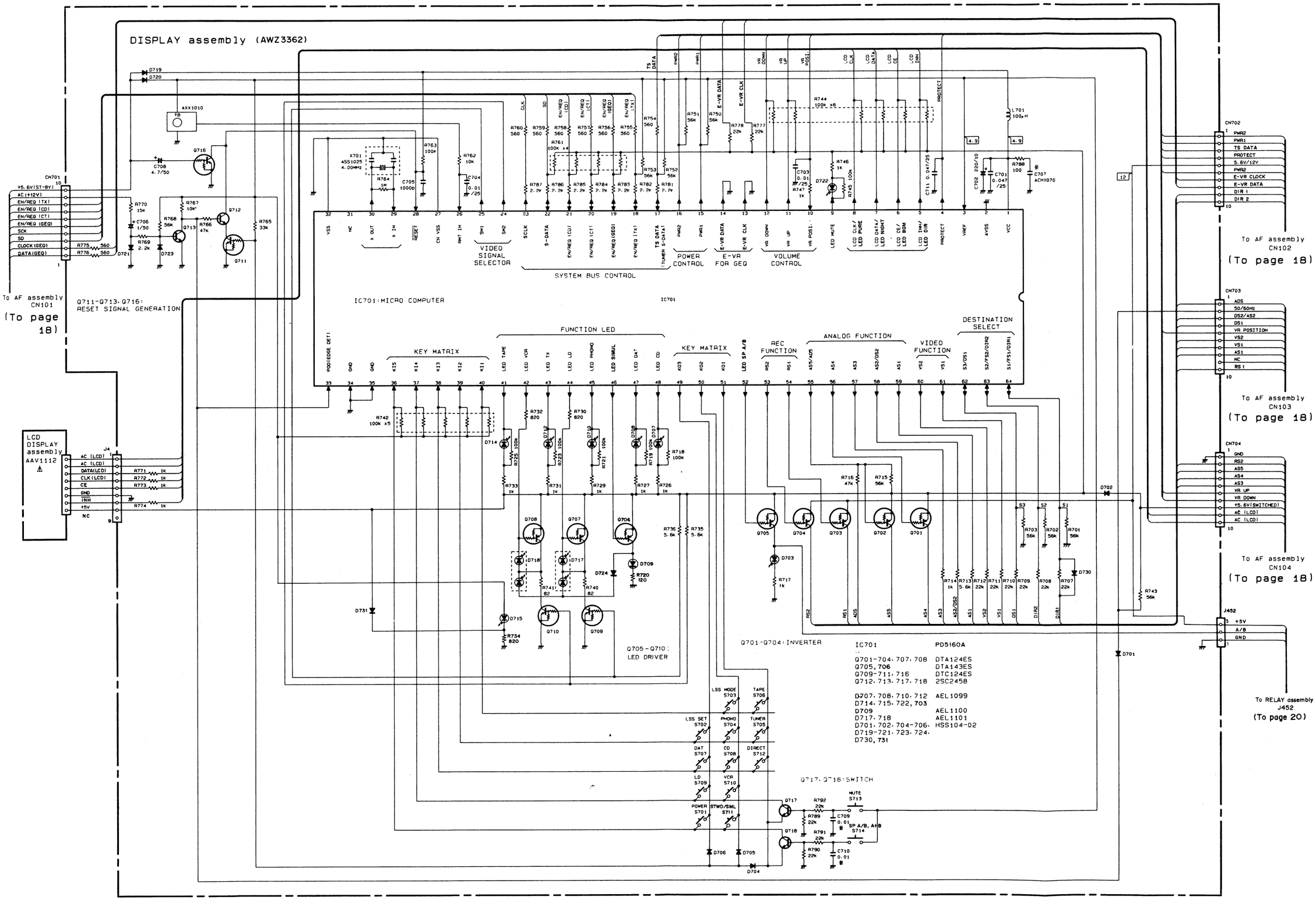
LCD DISPLAY assembly



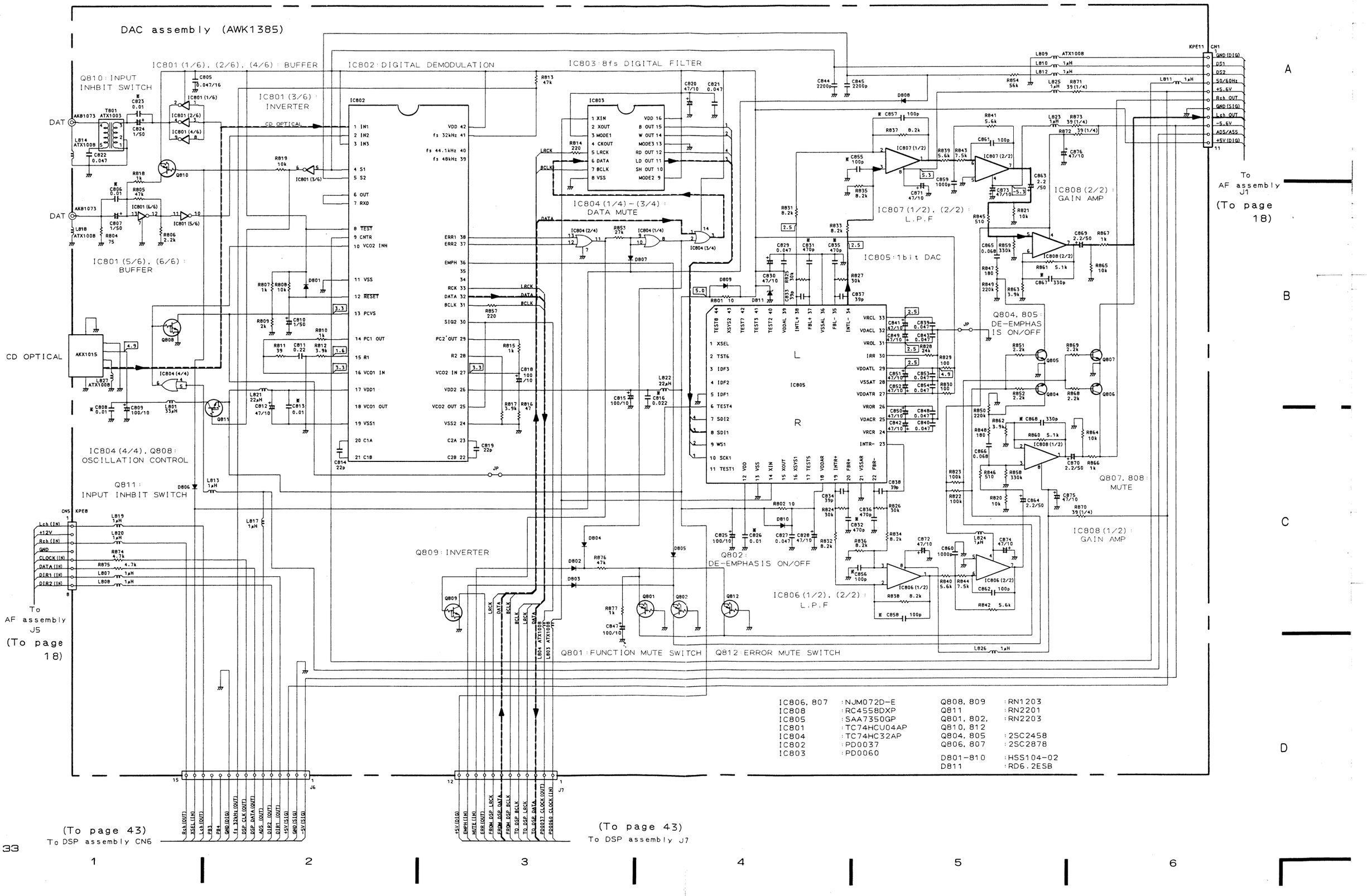
DISPLAY assembly (AWZ3362)



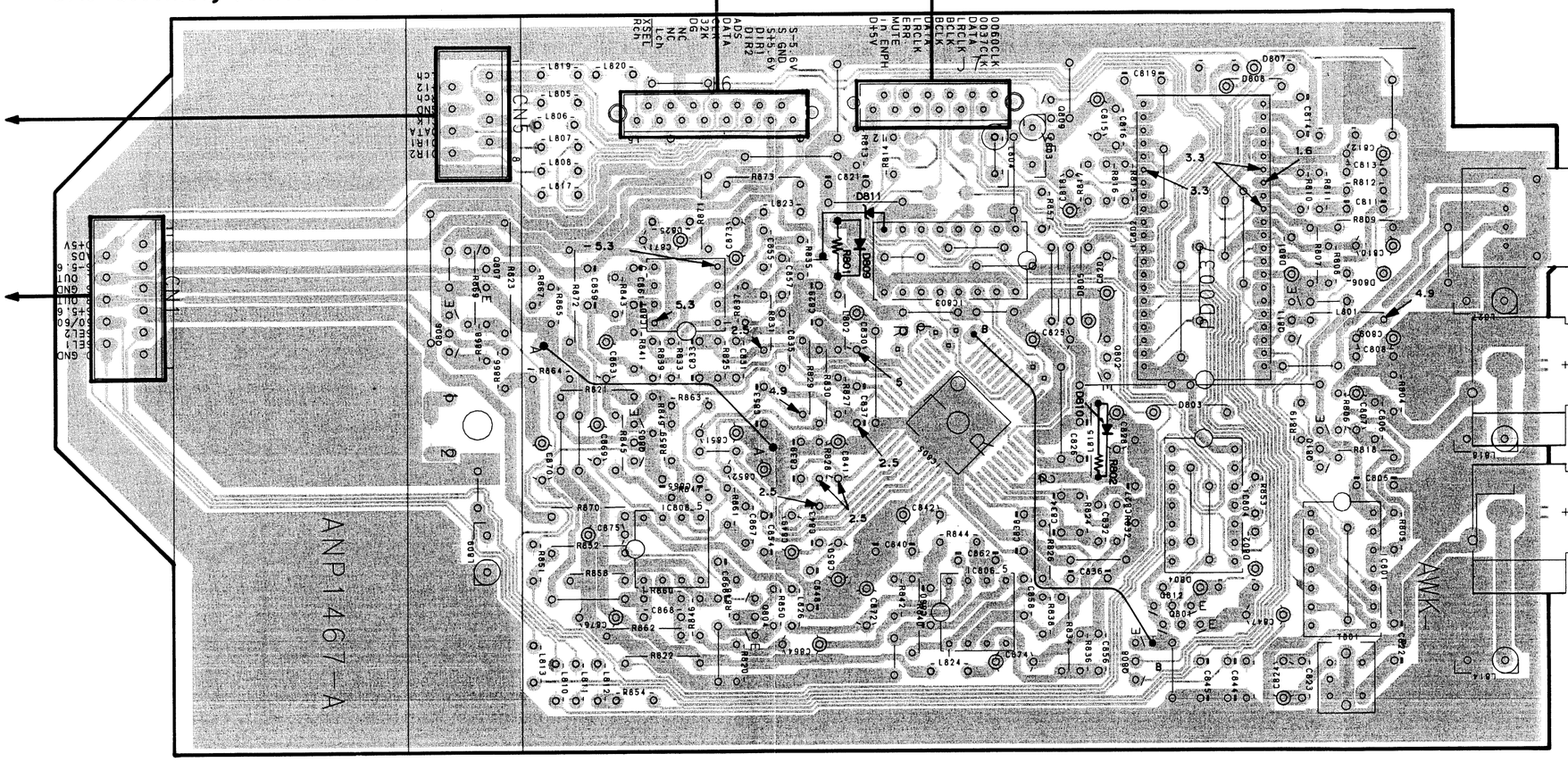
DISPLAY assembly (AWZ3362)



4. 4 DAC(AWK1385) assembly



DAC assembly (AWK1385)



Q806 Q807 Q805 IC807 IC808 Q804 IC803 Q809 Q802 IC802 Q811 Q810 IC805 IC806 Q808 IC804 IC801 Q812 Q801

NOTE

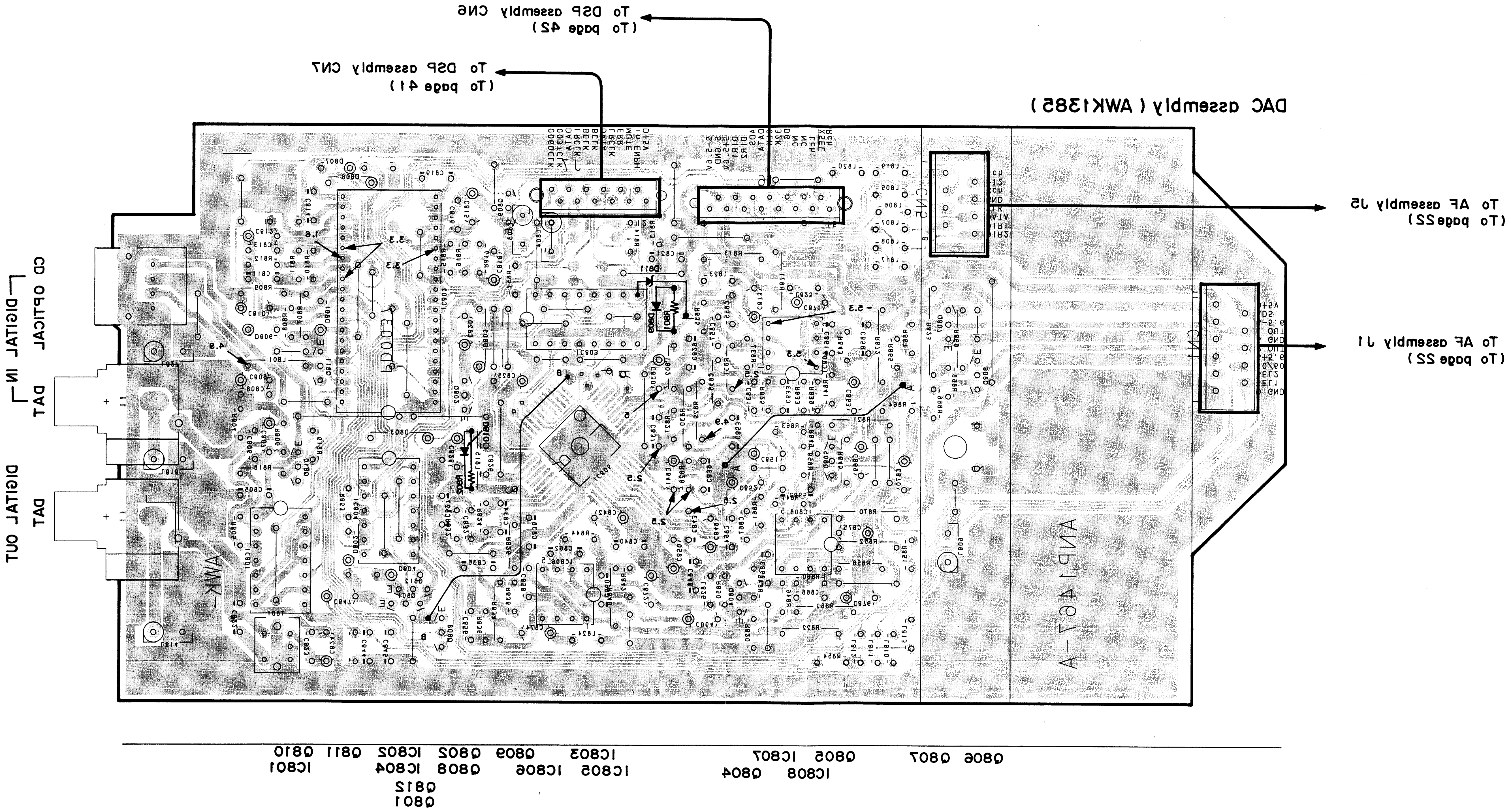
1. This P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wirng symbols listed in the following Table.

P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
Q504 (E B C)	E B C or E B C	Transistor
Q215	or	Radiator type transistor
D203	D203	Diode
R237	R237	Resistor
C513	+	Capacitor (Polarity)
C518		Capacitor (Non-polarity)

Others

P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

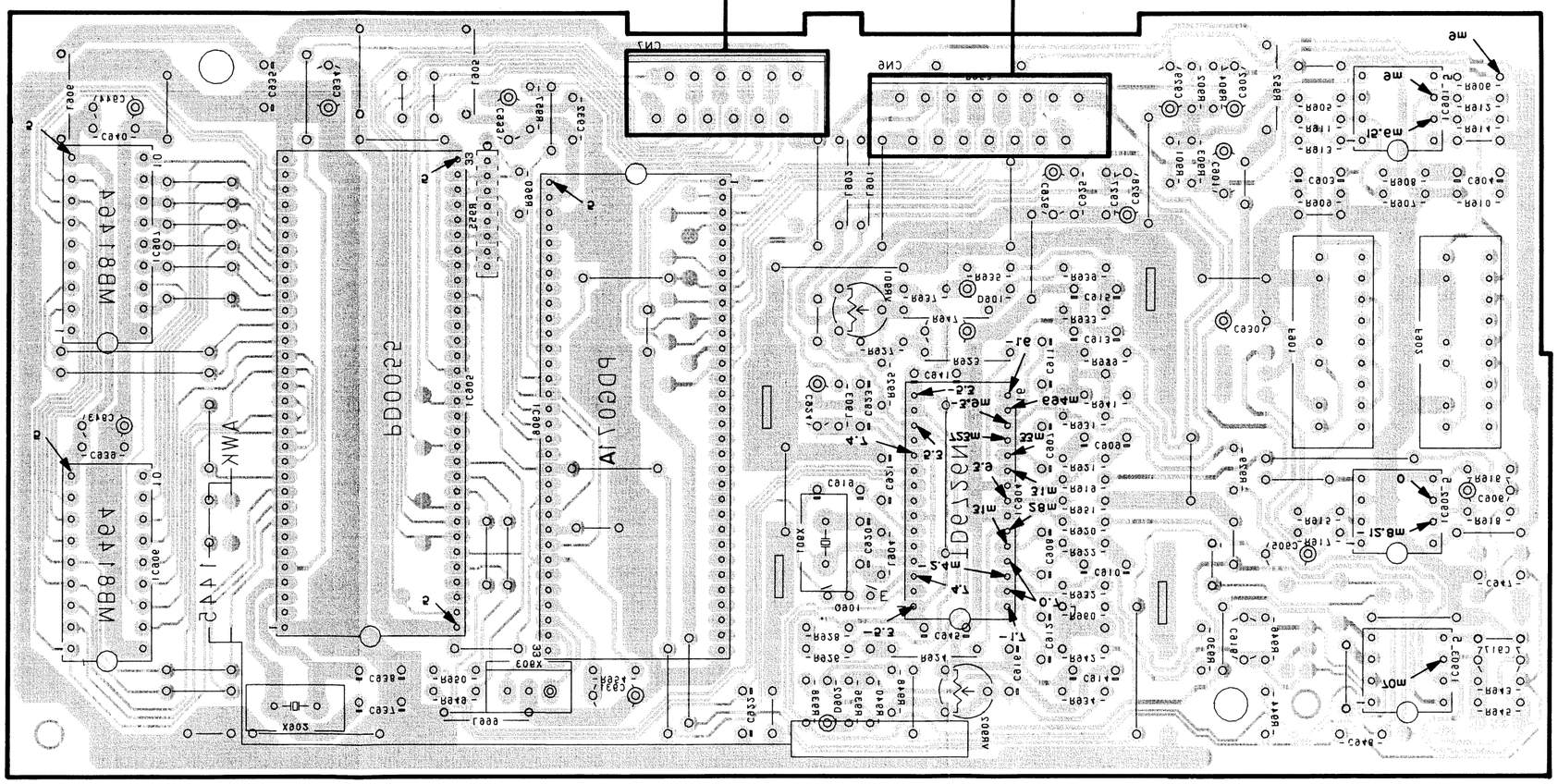
3. The capactor terminal marked with ◎ (double circles) shows negative terminal.
4. The diode terminal marked with ◎ (double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.



This P.C.B. connection diagram is viewed from the foil side.

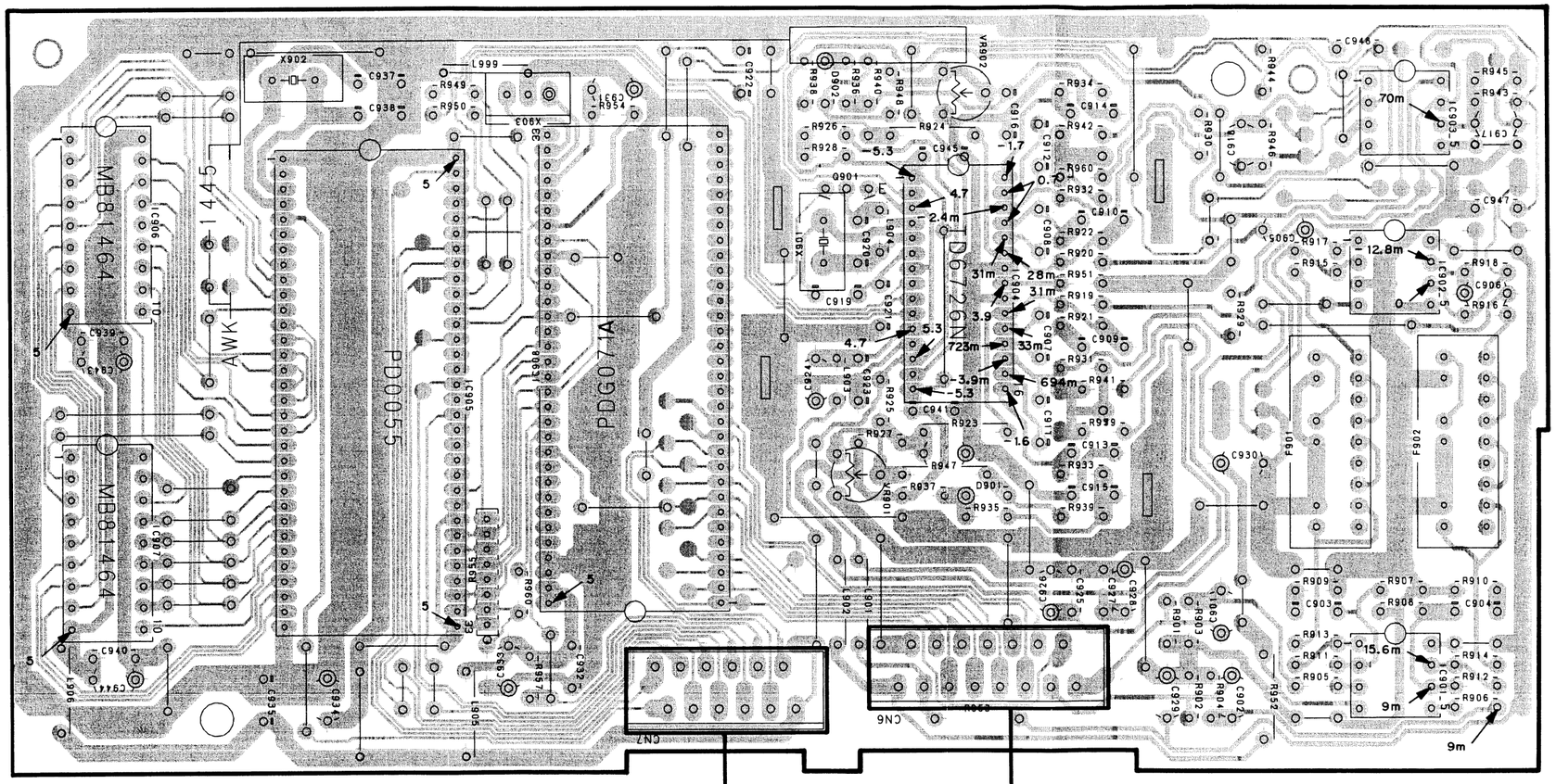
4.2 DSP(AWK1442) assembly

This P.C.B. connection diagram is viewed from the foil side.



4. 5 DSP(AWK1445) assembly

DSP assembly (AWK1445)



NOTE

1. This P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wirng symbols listed in the following Table.

P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
Q504 (E)	or	Transistor
Q215	or	Radiator type transistor
D203	D203	Diode
R237	R237	Resistor
C513	+	Capacitor (Polarity)
C518		Capacitor (Non-polarity)

Others

P.C.B. pattern diagram indication	Part Name
IC	IC
S	Switch
RY	Relay
L	Coil
F	Filter
VR	Variable resistor or Semi-fixed resistor

3. The capactor terminal marked with ◎ (double circles) shows negative terminal.
4. The diode terminal marked with ◎ (double circles) shows cathode side.
5. The transistor terminal to which E is affixed shows the emitter.

DSP assembly (AWK1445)

IC903, IC904, Q901 : A/D CONVERTER

IC908 : DSP CONTROL IC

IC906, IC907 : MEMORY

IC905 : DSP
DIGITAL SOUND PROCESSOR

IC901, IC902 : PRE-EMPHASIS

IC906, 907	MB81464-12
IC901-903	RC4558DXP
IC908	PDG071A
IC905	PD0055
IC904	TD6726N
Q901	DTA143ES
D901, 902	HSS104-02

(To page 33)
To DAC assembly J6

(To page 33)
To DAC assembly J7

5. ADJUSTMENTS

1. If the SP-Z570(sound field processor) is connected to the A-Z570, disconnect them. (This makes DSP processing in the A-Z570 flat.)
2. Input 1kHz/600mV to LD INPUT AUDIO Lch and Rch, then turn function to LD, followed by turning the main VR into the center position.
3. Adjust the VR901(Rch) and VR902(Lch) until the distortion of the Lch and Rch is minimized(0.15% or less) at the speaker output.

5. RÉGLAGE

1. Si le SP-Z570(processeur de champ d'ambiance) est connecté au A-Z570, les déconnecter. (Ceci neutralise le traitement DSP dans le A-Z570.)
2. Enter 1kHz/600mV aux bornes gauche et droite d'entrée audio LD(LD INPUT AUDIO), mettre le sélecteur de fonction sur "LD", suivi du réglage de la résistance variable(VR) principale à la position centrale.
3. Régler VR901 (D) et VR902 (G) jusqu'à ce que la distorsion des canaux gauche et droit soit réduite (0,15% ou moins) à la sortie des haut-parleurs.

5. AJUSTE

1. Si el SP-Z570(procesador de campo sonoro) está conectado al A-Z570, desconéctelos. (De este modo el procedo DSP en el A-Z570 será plano.)
2. Introduzca 1kHz/600mV en los canales izquierdo y derecho de INPUT AUDIO del LD, cambie entonces la función a LD, y gire luego la VR principal a la posición central.
3. Ajuste la VR901 (canal derecho) y VR902 (canal izquierdo) hasta que la distorsión de los canales izquierdo y derecho se minimice(0.15% o menos) en la salida del altavoz.

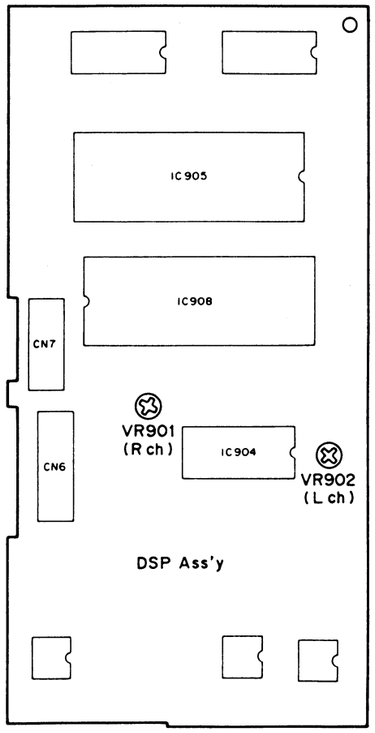


Fig. 5—1. Adjustment location
Fig. 5—1. Emplacements de réglage
Fig. 5—1. Puntos de ajustes

6. FOR HEWZIW TYPE

NOTES:

- *Parts without part number cannot be supplied.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *The ⚠ 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.*

CONTRAST OF MISCELLANEOUS PARTS

The A-Z570/HEWZIW type is the same as the A-Z570/HE type with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		A-Z570/HE	A-Z570/HEWZIW	
◉	AF assembly	AWZ3404	AWZ3407	
◉	POWER assembly	AWZ2611	AWZ2756	
	SP TERMINAL assembly	Non supply	Non supply	
	POWER VR assembly	Non supply	Non supply	
	HEAD PHONE assembly	Non supply	Non supply	
	MIC assembly	Non supply	Non supply	
⚠	AC power cord	ADG1019	ADG1012	
	Operating instructions (German)	.....	ARC1247	
	Operating instructions (Dutch, Swedish, Spanish, Portguese)	ARC1249	.....	
	Operating instructions (English, German, French, Italian)	ARE1181	.....	

AF assembly (AWZ3407)

The AF assembly(AWZ3407) is the same as the AF assembly(AWZ3404) with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		AWZ3404	AWZ3407	
	C102, C103	CKDYF103Z50	CKDYF473Z50	
	C341-344, 347-349, 383, 386, 387	.....	CKDYF473Z50	
	C345, 346	.....	CQMA104K50	
	C351, 352	.....	ACG1020	
	C353, 354, 357, 358, 361, 362	.....	CKDYB331K50	
	C355, 356, 359, 360, 363, 364, 373-382	.....	ACG1018	
	C384, 385	.....	CKDYB391K50	
	R201, 202	RD1/8PM102J	RD1/8PM222J	

AF assembly(AWZ3407)

ANALOG SIGNAL
DIGITAL SIGNAL

To DAC assembly CN5 (To page 33)

To DAC assembly CN1 (To page 34)

MONITOR OUT

VTR OUT

VIDEO
VTR
PHONO
TUNER
CASSETTE TAPE DECK
SOUND FIELD PROCESSOR
CD

(To page 31) To DISPLAY assembly CN701

(To page 32) To DISPLAY assembly CN702

(To page 32) To DISPLAY assembly CN703

(To page 32) To DISPLAY assembly CN704

STANDBY assembly (AWZ3505)

IC151 NJM78M56FAS
Q152 2SB560
Q154 2SD438
Q156 2SB560
D151-154 S5566

SUB TRANS

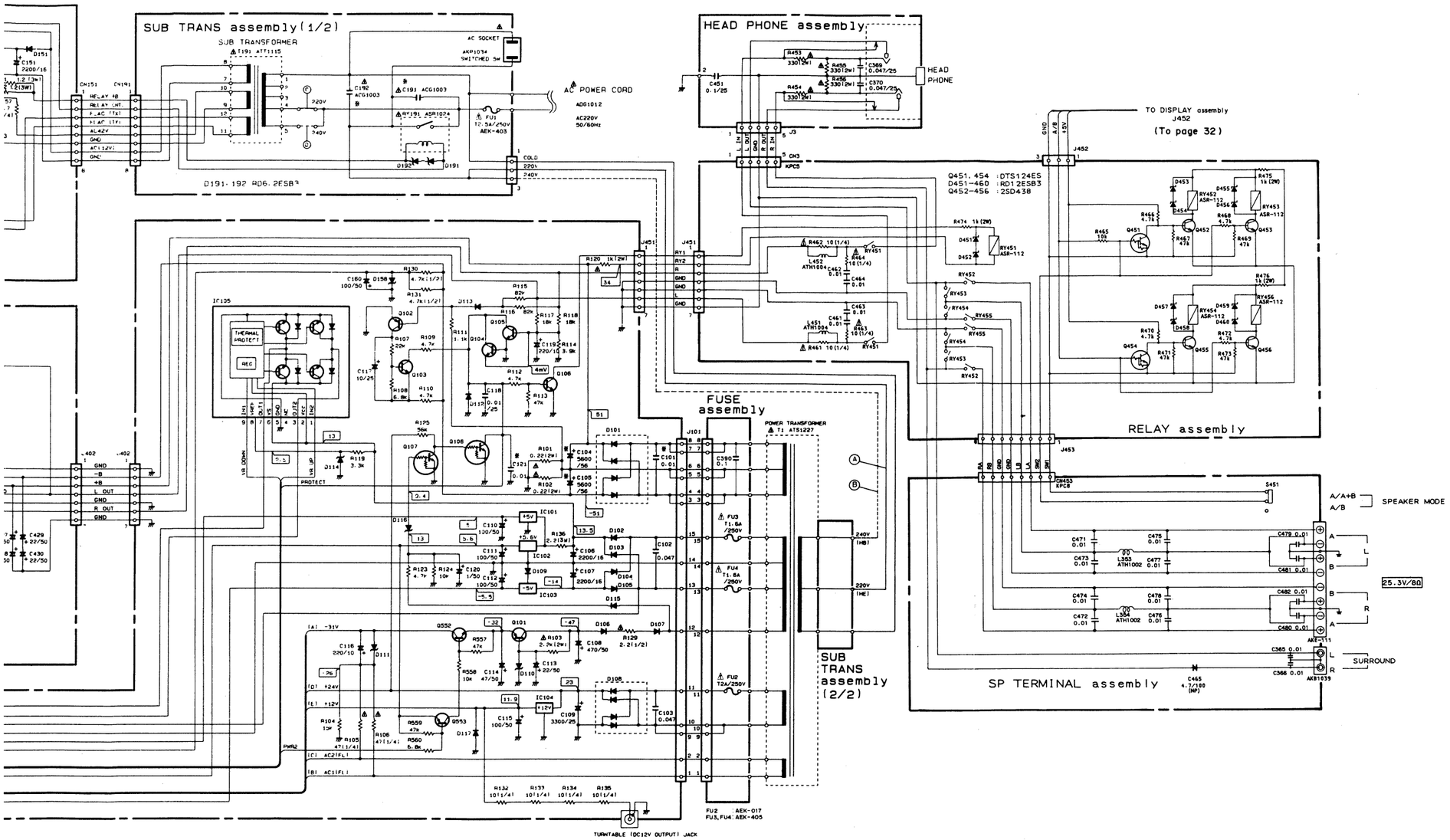
POWER assembly (AWZ2756)

IC401 STK4211-90

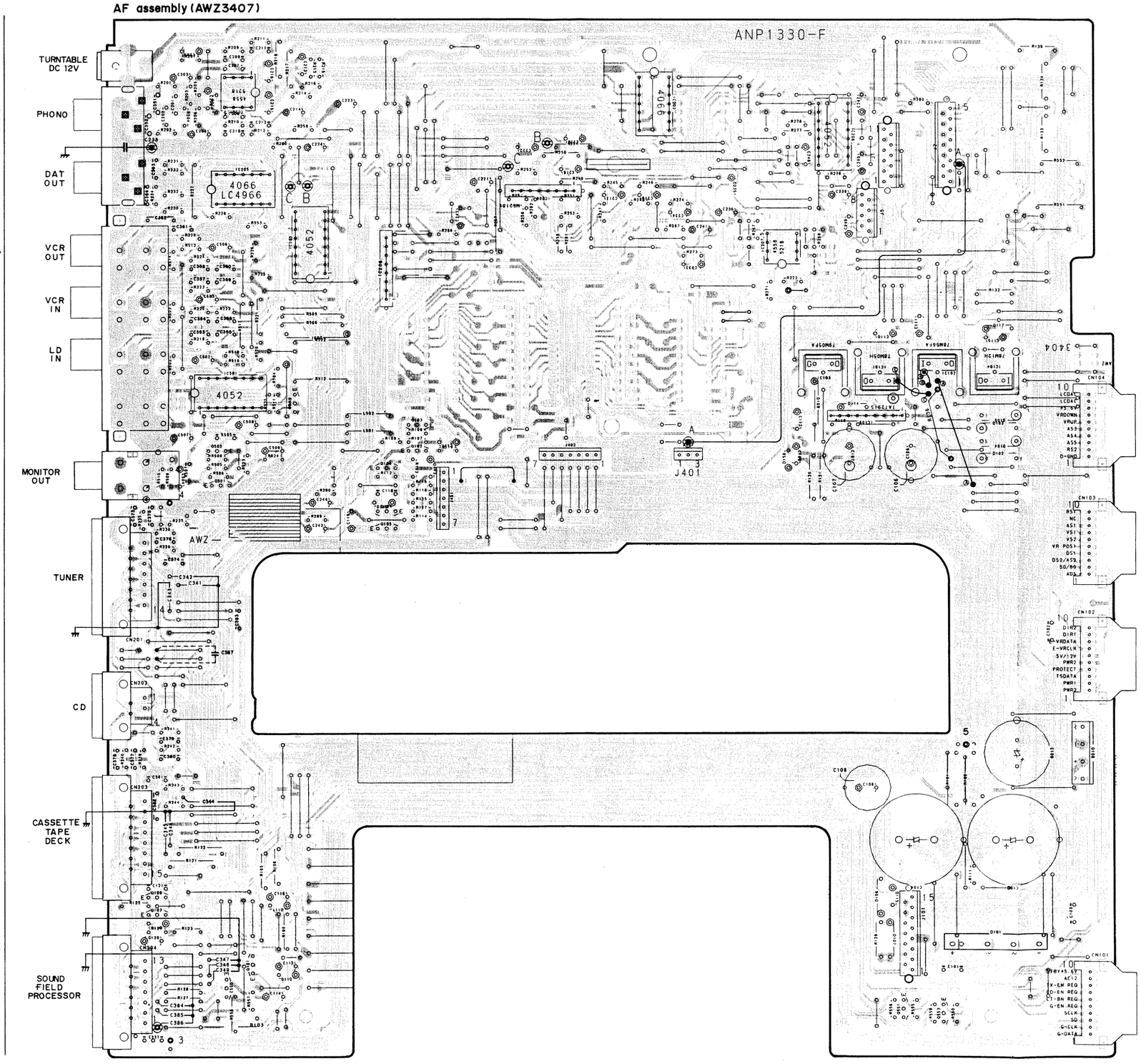
POWER VR assembly

IC651 RC4558DXP

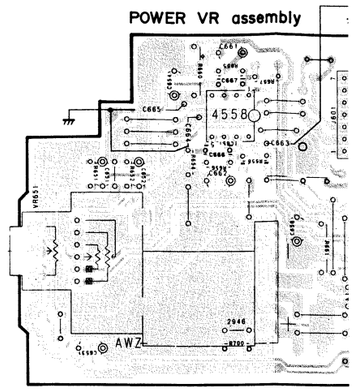
IC205	LC74966
IC204, 208	M5218ALF
IC201, 207	RC4558DXP
IC102	NJM78M56FAS
IC103	NJM79M05FA
IC105	TA7291S
IC203, 206, 501	MC14052BCP
IC202	TC40H66BF
IC101	UPC78M05H
IC104	UPC78M12H
Q107, 108	DTC124ES
Q501, 503, 551, 553	2SA1048
Q102	2SA970
Q101	2SB560
Q103-105, 502	2SC2458
Q10F	2SD438
Q552	2SC2603
D109, 112, 113, 115, D117-121	HSS104-02
D101	RBV602
D108	RB152
D158	RD12ES83
D114	RD3.9ES81
D110	RU33FS82
D116	RD4.7FS8
D111	RD6.2ES8
D102-107	S5566


SUB TRANS assembly(1/2)
SUB TRANSFORMER
T191 ATT1115
AC SOCKET
AKP1074
SWITCHED 5W
AC POWER CORD
ADG1012
AC220V
50/60Hz
D191-192 RD6.2ESB3
HEAD PHONE assembly
HEAD PHONE
TO DISPLAY assembly
J452
(To page 32)
Q451,454 :DTS124ES
D451-460 :RD12ESB3
Q452-456 :2SD438
RELAY assembly
FUSE assembly
POWER TRANSFORMER
T1 ATS1227
SUB TRANS assembly (2/2)
SP TERMINAL assembly
A/A+B
A/B
SPEAKER MODE
25.3V/80
SURROUND
TURNTABLE (DC12V OUTPUT) JACK
FU2 : AEK-017
FU3,FU4: AEK-405
MIC assembly
IC601 RC4558DXP
Q601-602 2SC2458
D601-602 HSS104-02
MIC

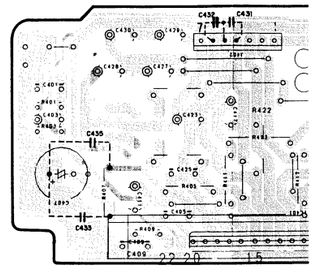
AF assembly (AWZ3407)

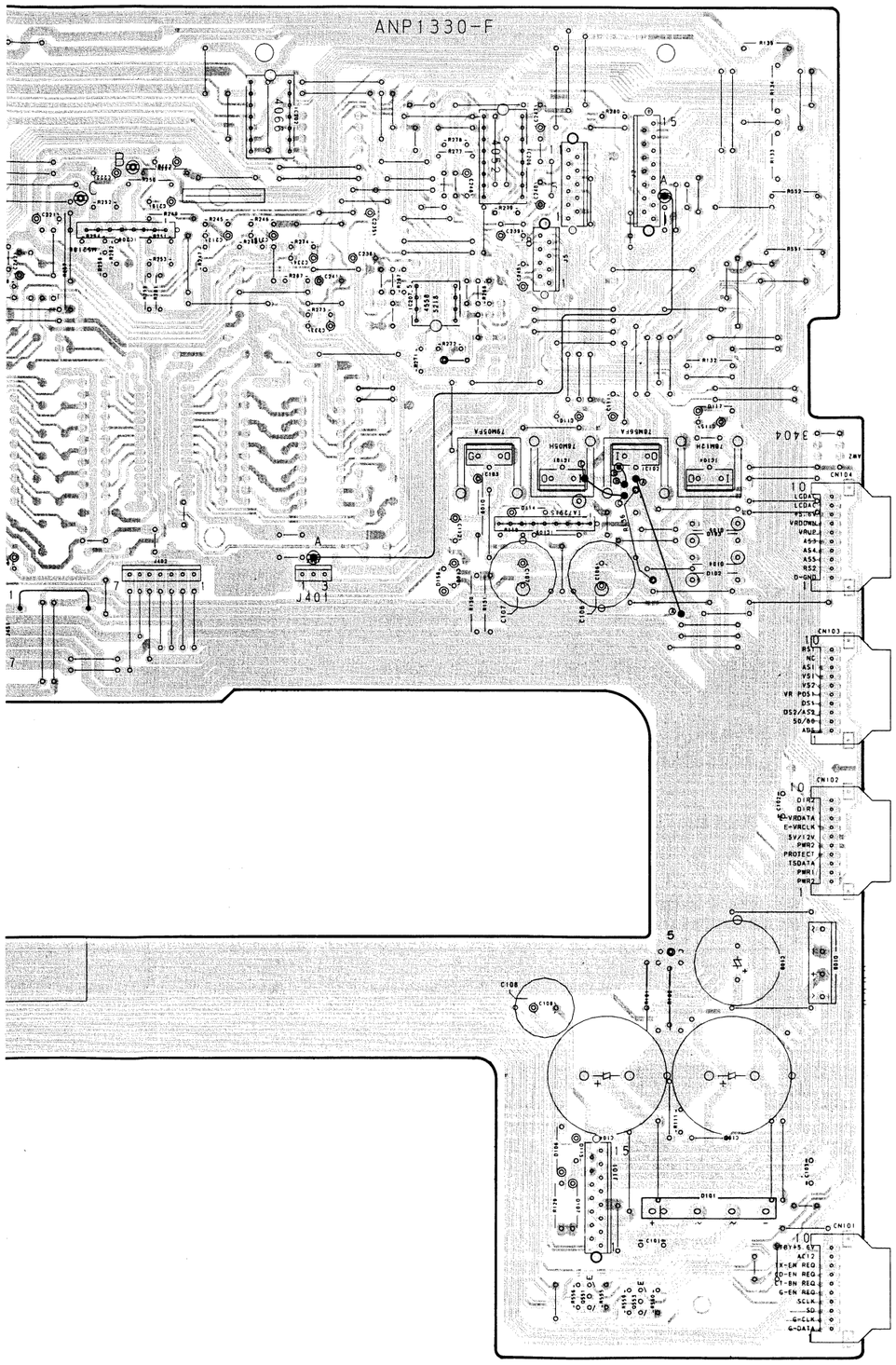


POWER VR assembly

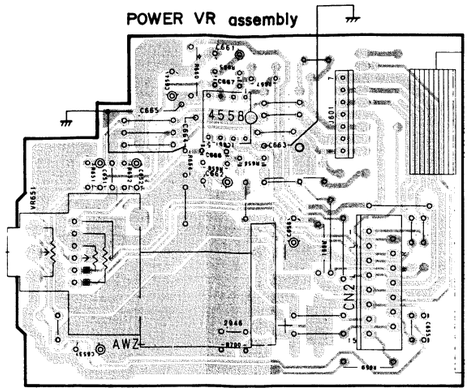


POWER assembly (AWZ2756)

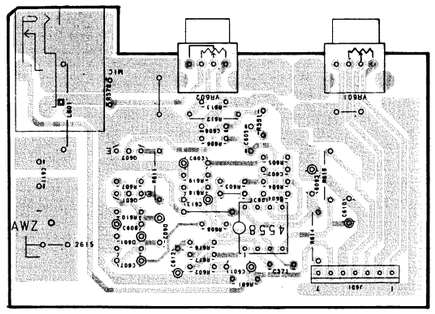




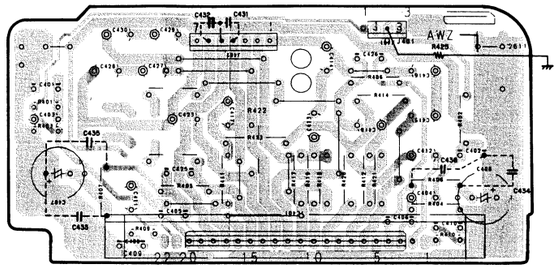
POWER VR assembly



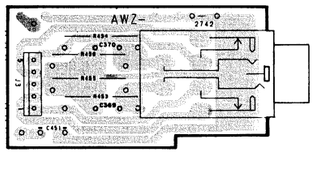
MIC assembly



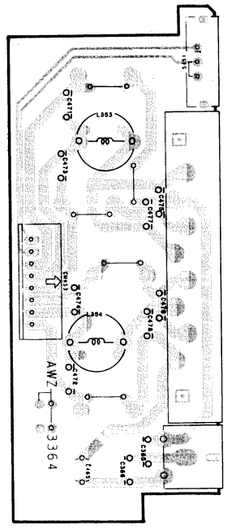
POWER assembly (AWZ2756)



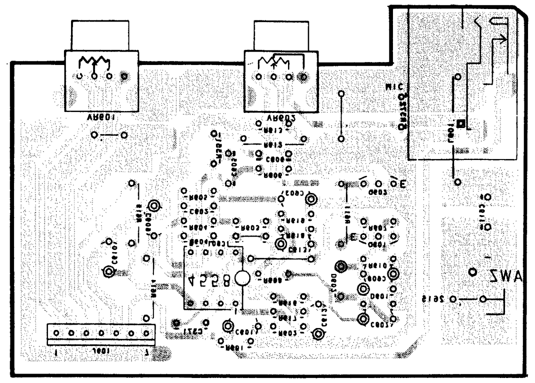
HEADPHONE assembly



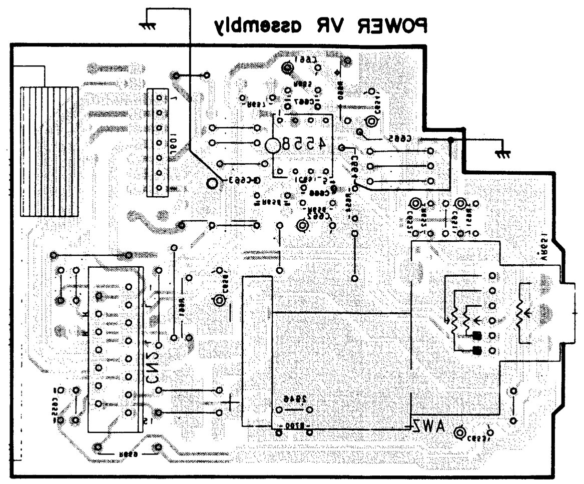
SP TERMINAL assembly

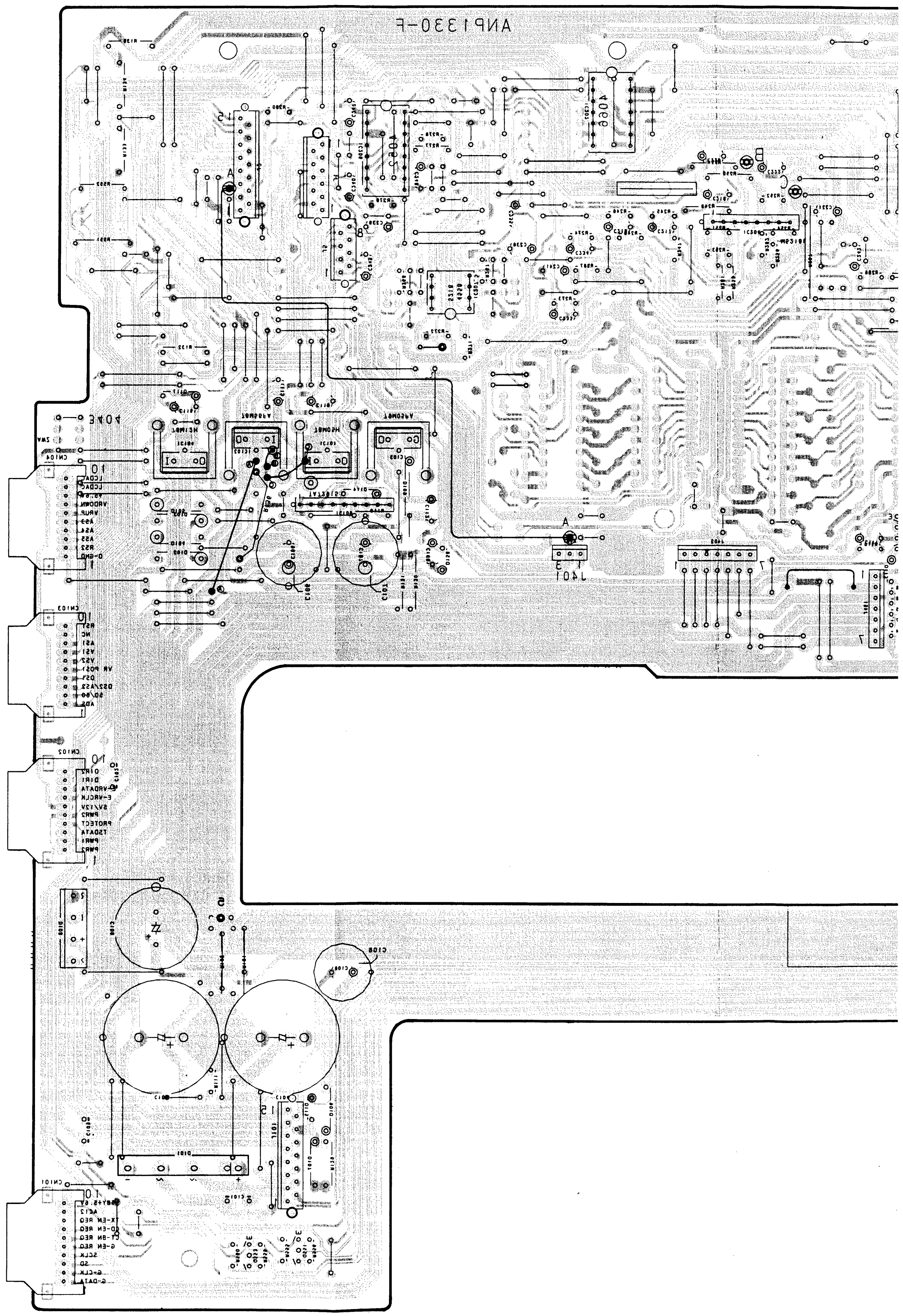


MIC assembly

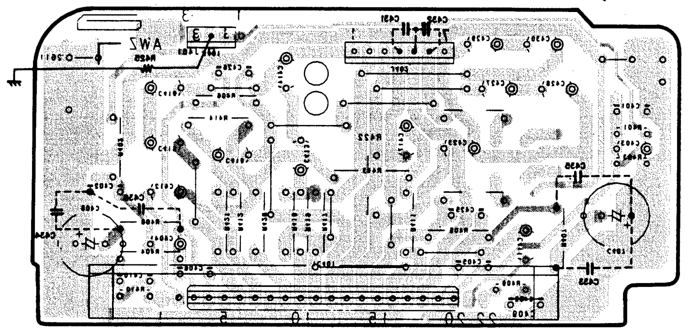


POWER VR assembly

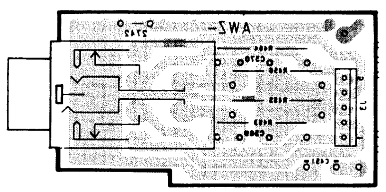




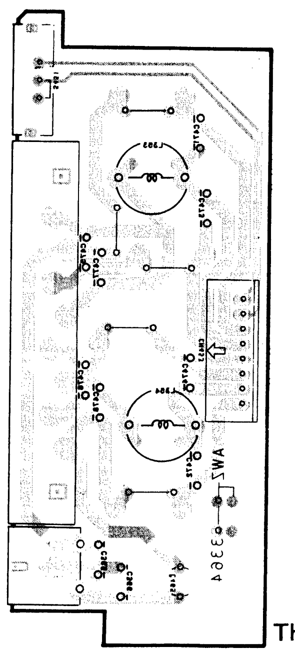
POWER assembly (AWZ2756)



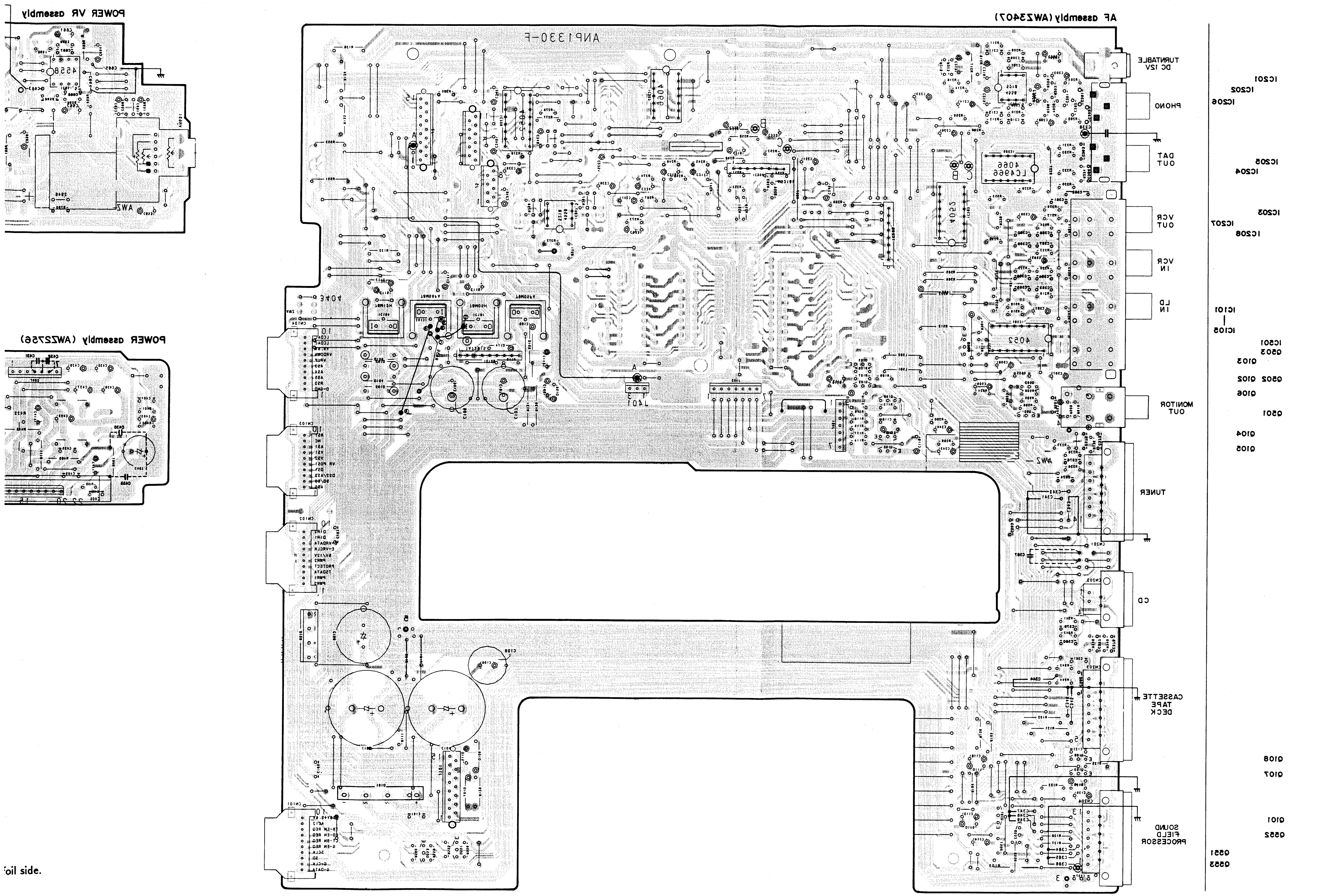
HEADPHONE assembly



SP TERMINAL assembly



This P.C.B. connection diagram is viewed from the foil side.



POWER VR assembly
AWZ
POWER assembly (AWZ2756)
AF assembly (AWZ3407)
ANP1330-F
TURNTABLE DC 12V
PHONO
DAT OUT
VCR OUT
VCR IN
LD IN
MONITOR OUT
TUNER
CD
CASSETTE TAPE DECK
SOUND FIELD PROCESSOR
IC201
IC202
IC206
IC205
IC204
IC203
IC207
IC208
IC101 — IC105
IC501
Q503
Q103
Q502 Q102
Q106
Q501
Q104
Q105
Q108
Q107
Q101
Q552
Q551
Q553

foil side.

5. ADJUSTMENTS

1. If the SP-Z570(sound field processor) is connected to the A-Z570, disconnect them. (This makes DSP processing in the A-Z570 flat.)
2. Input 1kHz/600mV to LD INPUT AUDIO Lch and Rch, then turn function to LD, followed by turning the main VR into the center position.
3. Adjust the VR901(Rch) and VR902(Lch) until the distortion of the Lch and Rch is minimized(0.15% or less) at the speaker output.

5. RÉGLAGE

1. Si le SP-Z570(processeur de champ d'ambiance) est connecté au A-Z570, les déconnecter. (Ceci neutralise le traitement DSP dans le A-Z570.)
2. Enter 1kHz/600mV aux bornes gauche et droite d'entrée audio LD(LD INPUT AUDIO), mettre le sélecteur de fonction sur "LD", suivi du réglage de la résistance variable(VR) principale à la position centrale.
3. Régler VR901 (D) et VR902 (G) jusqu'à ce que la distorsion des canaux gauche et droit soit réduite (0,15% ou moins) à la sortie des haut-parleurs.

5. AJUSTE

1. Si el SP-Z570(procesador de campo sonoro) está conectado al A-Z570, desconéctelos. (De este modo el procedo DSP en el A-Z570 será plano.)
2. Introduzca 1kHz/600mV en los canales izquierdo y derecho de INPUT AUDIO del LD, cambie entonces la función a LD, y gire luego la VR principal a la posición central.
3. Ajuste la VR901 (canal derecho) y VR902 (canal izquierdo) hasta que la distorsión de los canales izquierdo y derecho se minimice(0.15% o menos) en la salida del altavoz.

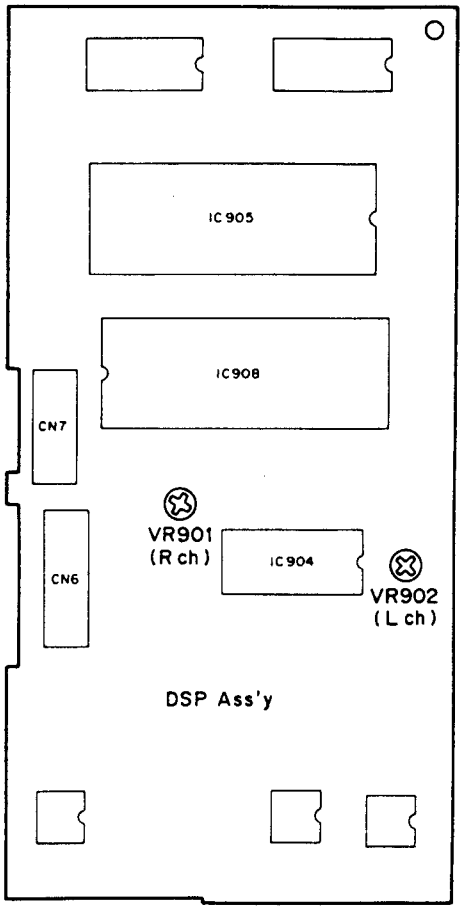


Fig. 5—1. Adjustment location
Fig. 5—1. Emplacements de réglage
Fig. 5—1. Puntos de ajustes

6. FOR HEWZIW TYPE

NOTES:

- *Parts without part number cannot be supplied.*
- *Parts marked by "◉" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.*
- *The ⚠ 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.*

CONTRAST OF MISCELLANEOUS PARTS

The A-Z570/HEWZIW type is the same as the A-Z570/HE type with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		A-Z570/HE	A-Z570/HEWZIW	
◉	AF assembly	AWZ3404	AWZ3407	
◉	POWER assembly	AWZ2611	AWZ2756	
	SP TERMINAL assembly	Non supply	Non supply	
	POWER VR assembly	Non supply	Non supply	
	HEAD PHONE assembly	Non supply	Non supply	
	MIC assembly	Non supply	Non supply	
⚠	AC power cord	ADG1019	ADG1012	
	Operating instructions (German)	.....	ARC1247	
	Operating instructions (Dutch, Swedish, Spanish, Portguese)	ARC1249	.....	
	Operating instructions (English, German, French, Italian)	ARE1181	.....	

AF assembly (AWZ3407)

The AF assembly(AWZ3407) is the same as the AF assembly(AWZ3404) with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		AWZ3404	AWZ3407	
	C102, C103	CKDYF103Z50	CKDYF473Z50	
	C341-344, 347-349, 383, 386, 387	.....	CKDYF473Z50	
	C345, 346	.....	CQMA104K50	
	C351, 352	.....	ACG1020	
	C353, 354, 357, 358, 361, 362	.....	CKDYB331K50	
	C355, 356, 359, 360, 363, 364, 373-382	.....	ACG1018	
	C384, 385	.....	CKDYB391K50	
	R201, 202	RD1/8PM102J	RD1/8PM222J	

POWER assembly (AWZ2756)

The POWER assembly(AWZ2756) is the same as the POWER assembly(AWZ2611) with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		AWZ2611	AWZ2756	
	C405, 406	CCDSL470J50	CCDSL221J50	
	C431, 432	.....	CCDSL101K500	
	C433, 434	.....	CCDSL101J50	
	C435, 436	.....	CKDYB331K50	
	R425	.....	RD1/8PM100J	

SP TERMINAL assembly

The SP TERMINAL assembly (HEWZIW type) is the same as the SP TERMINAL assembly (HE type) with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		HE type	HEWZIW type	
	C365, 366	.....	CFTXA103J50	
	C471-482	.....	CQMXA103J100	
	L353, 354	.....	ATH1002	

POWER VR assembly

The POWER VR assembly (HEWZIW type) is the same as the POWER VR assembly (HE type) with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		HE type	HEWZIW type	
	C663-665	.....	CKDYB103K50	
	C666, 667	.....	CCDSL470J50	
	R700	.....	RD1/8PM100J	

HEAD PHONE assembly

The HEAD PHONE assembly (HEWZIW type) is the same as the HEAD PHONE assembly (HE type) with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		HE type	HEWZIW type	
	C369, 370	.....	CKDYX473M25	

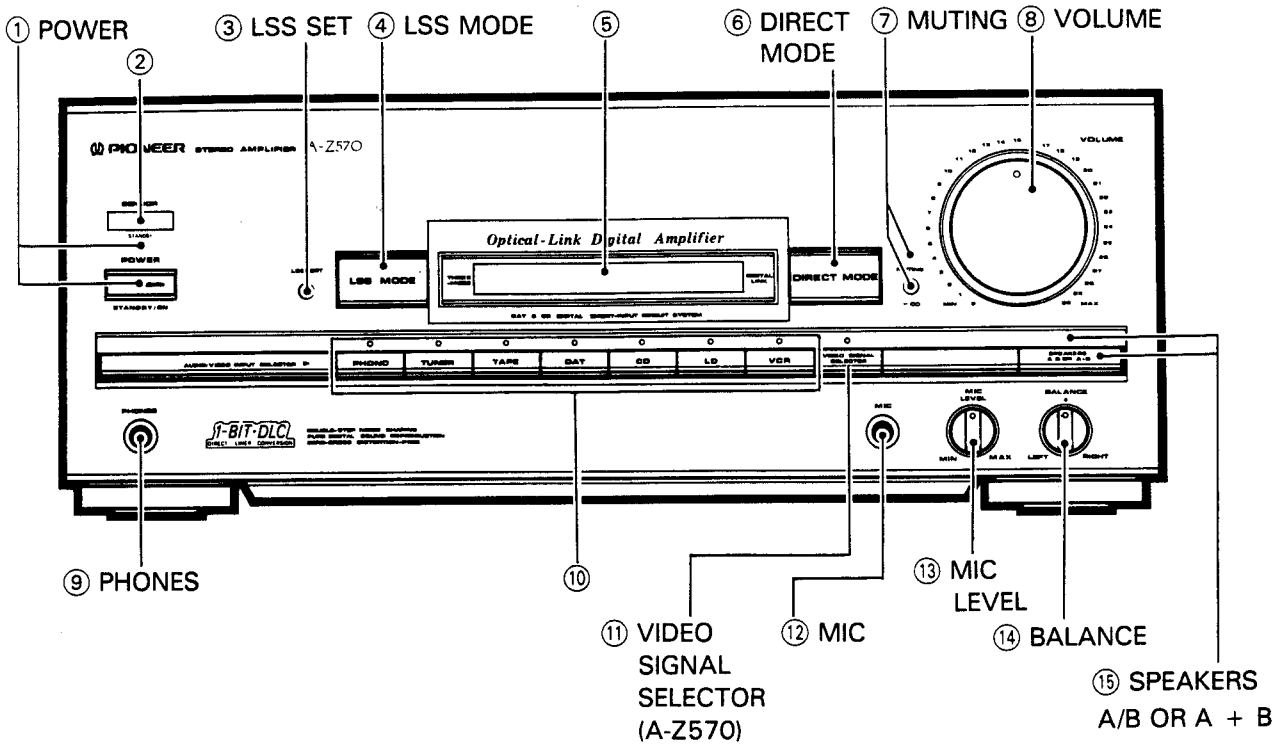
MIC assembly

The MIC assembly (HEWZIW type) is the same as the MIC assembly (HE type) with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		HE type	HEWZIW type	
	C371 (1000p)	.....	ACG1020	
	C372 (100p)	.....	ACG1017	
	C604	ACG1017	ACG1020	
	L601	.....	LAUR56M	
	R351	.....	RD1/8PM222J	

7. PANEL FACILITIES

FRONT PANEL FACILITIES



① POWER STANDBY/ON switch/indicator

This is the switch for electric power.
ON .... When set to the ON position, power is supplied and the unit becomes operational.
STANDBY .... When set to the STANDBY position, the main power flow is cut and the unit is no longer fully operational. A minute flow of power feeds the unit to maintain operation readiness.
The indicator above the switch lights when the power is STANDBY, and goes out during ON.

② Remote sensor

③ LSS SET button

Use to operate the Listening Style Selector memory.

④ LSS MODE button

Use to recall the Listening Style Selector.

⑤ Display section

Ⓐ This lights during listening style selector operation.
Ⓑ Information such as the component selected with the input selector switch and listening style selector position is displayed.
Ⓒ This lights when you select CD and DAT direct mode.
Ⓓ This lights when you play a CD.
Ⓔ This shows the position of the listening style selector.
Ⓕ This lights when you play a CD.
Ⓖ This lights when you can select CD and DAT direct mode.

⑥ DIRECT MODE button

Use this when you want by-pass sound quality adjustment circuitry and listen to a CD or DAT in the direct mode.

⑦ MUTING button/indicator

Use when you want to temporarily cut sound during playback. Press again to return to the previous volume level.

⑧ VOLUME control

⑨ PHONES jack

For stereo headphones.

NOTE:
There is no output from the speakers when headphones are plugged into PHONES jack.

⑩ Input selector buttons/indicators

[PHONO]
Press to play records on a turntable connected to the PHONO input jacks.
[TUNER]
Press to listen to radio broadcast.
[TAPE]
Press to listen to cassette tape.
[DAT]
Press to listen to a DAT playing on a digital audio tape deck connected to the DAT jacks.
[CD]
Press to listen to compact disc.
[LD]
Press to play an LD on a video disc player connected to the LD input jacks.
[VCR]
Press to play a tape on a video cassette recorder connected to the VCR jacks.

⑪ VIDEO SIGNAL SELECTOR switch/indicator

Pressing this switch lets you select video sources independent of those selected with the input selector switches. Each time you press it, the source changes.

⑫ MIC (microphone) jack

This is a standard jack for connecting a microphone.

NOTE:
Mike mixing is not possible when CD DIRECT or DAT DIRECT are ON.

⑬ MIC LEVEL control

Used for adjusting the volume of microphone.

⑭ BALANCE control

Used for changing the balance between left and right channels. Usually set to the center position.

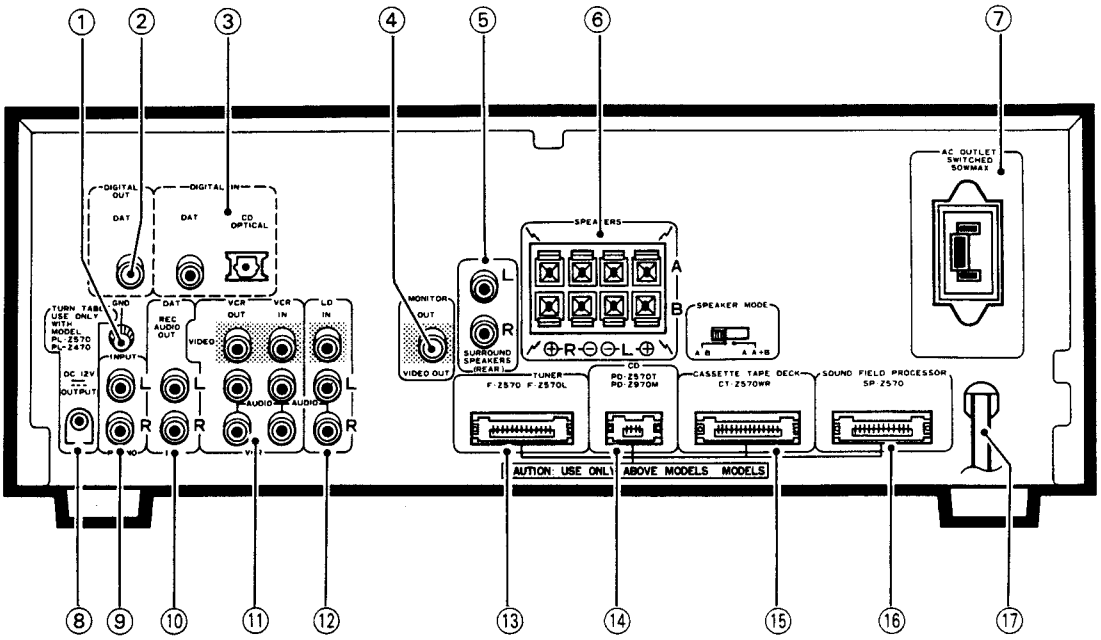
⑮ SPEAKERS button (A/ B OR A + B)/indicator

When the SPEAKER MODE selector switch on the rear panel is set to the A/B (left), use this button to switch between sound from speakers A only, and sound from speakers B only.
When the SPEAKER MODE selector switch is set to the A/A + B (right), use this button to switch between sound from speakers A only, and sound from both speakers A and B.
Refer to page 50 No.⑥ concerning SPEAKER MODE selector switch.

Rear panel SPEAKER MODE switch	SPEAKERS	
	Indicator off	Indicator lit
A/B	A	B
A/A + B	A	A + B

NOTE:
If speakers A and B are not both connected, there will be no sound when the button is set for A + B.

REAR PANEL FACILITIES



① Ground terminal (GND)

Connect this to the ground terminal on the turntable (except for PL-Z570/PL-Z470).

② DIGITAL OUT (DAT)

Outputs digital signal taken from CD player optical input.
A digital audio tape deck's digital input jack (coaxial cable input) can be connected here.
Consult with your dealer to see if it's possible to connect your digital audio tape deck.

③ DIGITAL IN jacks

[DAT]
A digital audio tape deck's digital output jack (coaxial cable output) can be connected here.
Consult with your dealer to see if it's possible to connect your digital audio tape deck.
[CD]
Connect a CD player's OPTICAL OUT jack.

④ MONITOR OUT jack

You can connect a TV with a video input jack or monitor TV here. The picture from an LD player or video cassette recorder connected to the video input jack is output.

⑤ SURROUND SPEAKERS jacks

Connect the Surround speaker systems.

NOTE:
Connect a speaker system having a nominal impedance of 16 Ω or more.

⑥ SPEAKERS terminals and SPEAKER MODE selector switch

A: Connect to a first set of speakers
B: Connect to a second set of speakers
Set the selector switch to the A/B (left), and use the SPEAKERS button on the front panel to switch between sound from speakers A only, and sound from speakers B only.
If you set the selector switch to the A/A + B (right), use the SPEAKERS button on the front panel to switch between sound from speakers A only, and sound from both speakers A and B.

NOTE:
Connect a speaker system having a nominal impedance ranging from 8 Ω to 16 Ω.

⑦ AC OUTLET (SWITCHED 50 W MAX)

Power supplied through this outlet is turned on and off by the amplifier's POWER switch. Total electrical power consumption of connected equipment should not exceed 50 W.
PD-Z570T and PD-Z970M CD player power cords can be connected.

NOTE:
Do not connect appliances with high power consumption such as heaters, irons, or television sets to the AC OUTLET in order to avoid overheating or fire risk.
This can cause the amplifier to malfunction.

⑧ TURNTABLE (DC 12 V OUTPUT) jack

This jack supplies power to the turntable. (PL-Z470/PL-Z570)

⑨ PHONO input jacks

Connect the output cord of the turntable to these jacks.

⑩ DAT REC OUT jacks

Connect to audio input jacks of the digital audio tape deck.

⑪ VCR jacks

IN: Connect to the output jacks of VCR.
OUT: Connect to the input jacks of VCR.

⑫ LD input jacks

Connect to the output jacks of the LD player.

⑬ TUNER jack

Connect the tuner cord here.

⑭ CD jack

Connect the compact disc player (PD-Z570T/PD-Z970M) cord here.

⑮ CASSETTE TAPE DECK jack

Connect the cassette deck cord here.

⑯ SOUND FIELD PROCESSOR jack

Connect the sound field processor cord here.

⑰ Power cord

Connect this to the AC wall socket.

2. 2 EXPLODED VIEWS