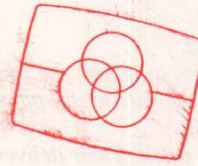


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STEREO AMPLIFIER

SA-1530 KUC, SD

SA-1530S KUC, SD

- Refer to the service manual ARP2022, SA-1520, SA-1520S.
- This manual is applicable to the SA-1530/KUC, SD, SA-1530S/KUC and SD types.
- Major difference of SA-1530, 1530S and SA-1520, 1520S : Display part changed from LED to fluorescent tube.

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1. CONTRAST OF MISCELLANEOUS PARTS

NOTES:

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

The SA-1530/KUC, SD, SA-1530S/KUC and SD types are the same as the SA-1520/KUC type with the exception of the following sections.

Mark	Symbol & Description	Part No.					Remarks
		SA-1520/ KUC type	SA-1530/ KUC type	SA-1530S/ KUC type	SA-1530/ SD type	SA-1530S/ SD type	
⊙	AF ass'y	AWZ2947	AWZ2947	AWZ2947	AWZ2948	AWZ2948	
⊙	INPUT ass'y	AWZ2805	AWZ2805	AWZ2805	AWZ2812	AWZ2812	
⊙	CONTROL ass'y	AWZ2807	AWZ3477	AWZ3477	AWZ3481	AWZ3481	
⊙	VOL ass'y	AWZ2808	AWZ3554	AWZ3554	AWZ3554	AWZ3554	
	LED ass'y	Non supply	Non supply	Non supply	Non supply	Non supply	
	REMOTE ass'y	Non supply	Non supply	Non supply	Non supply	Non supply	
	VSP SW ass'y	Non supply	Non supply	Non supply	Non supply	Non supply	
⊙	MIC ass'y	.....	.....	.....	AWF1007	AWF1007	
Δ	AC Power cord	BDG1012	BDG1012	BDG1012	ADG1015	ADG1015	
Δ	FU1 Fuse (6.3A/125V)	AEK-309	AEK-309	AEK-309	.....	.....	
Δ	FU1 Fuse (3.15A/125V)	.....	.....	.....	AEK-124	AEK-124	
Δ	FU2 Fuse (3.15A/125V)	.....	.....	.....	AEK-124	AEK-124	
Δ	S1 Line voltage selector (AC110V/120-127V/220V/240V)	.....	.....	.....	AKX-507	AKX-507	
Δ	Line voltage selector (AC110V, 120-127V/220V, 240V)	.....	.....	.....	AKX1004	AKX1004	
Δ	T1 Power transformer (AC120V)	ATS1267	ATS1342	ATS1342	.....	.....	
Δ	T1 Power transformer (AC110V, 120-127V, 220V, 240V)	.....	.....	.....	ATS1268	ATS1268	
	Lens	AAK1443	AAK1443	AAK1443	.....	.....	
	Mic vol. knob	.....	.....	.....	AAB1017	AAB1017	
	Panel A	AAK1918	.....	.....	.....	.....	
	Panel B	AAK1919	.....	.....	.....	.....	
	Panel	.....	AAK2156	AAK2156	AAK2156	AAK2156	
	Front panel ass'y	AMB1836	AMB1817	AMB1817	AMB1818	AMB1818	
	Plastic rivet	.....	.....	.....	AMR1066	AMR1066	For installing MIC ass'y
	Packing case	AHD1849	AHD2051	AHD2052	AHD2102	AHD2103	

Mark	Symbol & Description	Part No.					Remarks
		SA – 1520/ KUC type	SA – 1530/ KUC type	SA – 1530S/ KUC type	SA – 1530/ SD type	SA – 1530S/ SD type	
	Operating instructions (English)	ARB1244	ARB1300	ARB1300	ARB1300	ARB1300	
	Operating instructions (English, For remote control unit)	ARD1012	ARB1301	ARB1302	ARB1301	ARB1302	
	Remote control unit (CU – SA007)	AXD1142	AXD1142	.....	AXD1142	.....	
	Remote control unit (CU – AV007)	.....	.....	AXD1143	.....	AXD1143	
	Battery cover	AZN1846	AZN1846	AZA1970	AZN1846	AZA1970	

⊙ **AF ASS'Y (AWZ2948)**
The AF ass'y (AWZ2948) is the same as the AF ass'y (AWZ2947) with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		AWZ2947	AWZ2948	
	C506	CQMA273K250	CQMA563K250	
⚠	R501 (2.2MΩ, 1/2W)	ACN – 208	.....	
⚠	T501	ATT1011	ATT1015	

⊙ **INPUT ASS'Y (AWZ2812)**
The INPUT ass'y (AWZ2812) is the same as the INPUT ass'y (AWZ2805) with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		AWZ2805	AWZ2812	
	R121, R122	.....	RD1/8PM681J	
	6pin pinjack	.....	AKB1008	

⊙ **VOL ASS'Y (AWZ3554)**
The VOL ass'y (AWZ3554) is the same as the VOL ass'y (AWZ2808) with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		AWZ2808	AWZ3554	
	IC202, IC204	NJM4558DXP	RC4558DXP	

LED ASS'Y (SA – 1530/KUC, SD, SA – 1530S/KUC and SDtypes)
Though assembly part numbers are different, the LED assemblies of SA – 1530/KUC, SD, SA – 1530S/KUC, SD and SA – 1520/KUC types are the same.

VSP SW ASS'Y (SA – 1530/KUC type)
The VSP SW ass'y of SA – 1530/KUC type is the same as the VSP SW ass'y of SA – 1520/KUC type with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		SA – 1520/KUC type	SA – 1530/KUC type	
	CN7	KPE5	.....	

• :The VSP SW assemblies of SA – 1530S/KUC, SA – 1530/SD and SA – 1530S/SD types are the same as that of SA – 1530/KUC type.

REMOTE ASS'Y (SA – 1530/KUC type)
The REMOTE ass'y of SA – 1530/KUC type is the same as the REMOTE ass'y of SA – 1520/KUC type with the exception of the following sections.

Mark	Symbol & Description	Part No.		Remarks
		SA – 1520/KUC type	SA – 1530/KUC type	
	D624	RD6.8ESB	.....	
	R632	RD1/2PM471J	.....	

CONTROL ASS'Y (AWZ3477, AWZ3481) and MIC ASS'Y (AWF1007)

Refer to " 2. PCB 's PARTS LIST " .

2. PCB'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 ⊠ ⊠ J
47kΩ 47 × 10³ 473..... RD1/4PS ⊠ ⊠ J
0.5Ω 0R5..... RN2H ⊠ ⊠ K
1Ω 010..... RS1P ⊠ ⊠ K
 - Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).
5.62kΩ 562 × 10¹ 5621..... RN1/4SR ⊠ ⊠ ⊠ F

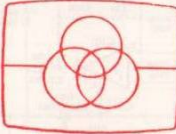
Mark No.	Description	Parts No.	Mark No.	Description	Parts No.
⊙ CONTROL ASS'Y (AWZ3477)					
SEMICONDUCTORS					
IC201	OP – AMP IC	RC4558DXP	IC705	OP – AMP IC	RC4558DXP
IC203	MECHANISM DRIVER IC	TA7291S	Q201 – 210	TRANSISTOR	2SC1740SLN
			Q211, 212	TRANSISTOR	RN2201
			Q213, 214	TRANSISTOR	RN1201
			Q215	TRANSISTOR	RN2201
IC601	SYSTEM CONTROL μ – COM	PDG025 – A	Q221	TRANSISTOR	2SA1048
IC701 – 703	OP – AMP IC	RC4558DXP	Q222, 223	TRANSISTOR	2SC1740S
IC704	GEQ FL DRIVER IC	LC7566	Q601	TRANSISTOR	RN1201

Mark No.	Description	Parts No.	Mark No.	Description	Parts No.
Q602	TRANSISTOR	2SC2458	C607	CERAMIC CAPACITOR	CKMYB102K50
Q603	TRANSISTOR	RN2201	C623	ELECTR. CAPACITOR	CEJA2R2M50
Q604	TRANSISTOR	RN1203	C702	ELECTR. CAPACITOR	CEASR22M50
Q605	TRANSISTOR	2SC3377	C703, 704	CERAMIC CAPACITOR	CKDYX333M25
Q606	TRANSISTOR	2SC1740S	C705	ELECTR. CAPACITOR	CEASR15M50
Q702	TRANSISTOR	RN1201	C706, 707	CERAMIC CAPACITOR	CKDYX103M16
Q710	TRANSISTOR	RN2201	C708	ELECTR. CAPACITOR	CEASR22M50
Q711	TRANSISTOR	RN1203	C709, 710	CERAMIC CAPACITOR	CKDYB332K50
D601	LED	AEL1065	C711	ELECTR. CAPACITOR	CEASR22M50
D602 – 606	LED	AEL1077	C712, 713	CERAMIC CAPACITOR	CKMYB102K50
D609 – 616	DIODE	1SS252	C714	ELECTR. CAPACITOR	CEASR22M50
D617	ZENER DIODE	RD33ESB	C715, 716	CERAMIC CAPACITOR	CKMYB331K50
D619	LED	AEL1065	C717	ELECTR. CAPACITOR	CEASR22M50
D620	LED ASSEMBLY	AEL1038	C718	CERAMIC CAPACITOR	CKMYB152K50
D622, 623	DIODE	1SS252	C719, 720	ELECTR. CAPACITOR	CEAS471M25
D624	ZENER DIODE	RD6.8ESB	C721	ELECTR. CAPACITOR	CEAS100M25
D626	DIODE	1SS252	C722	ELECTR. CAPACITOR	CEAS470M50
D701 – 715	DIODE	1SS252	C723, 724	ELECTR. CAPACITOR	CEAS470M16
D716	ZENER DIODE	RD8.2ESB2	C725 – 730	ELECTR. CAPACITOR	CEAS100M25
D717, 718	ZENER DIODE	RD10ESB3	RESISTORS		
D719, 720	ZENER DIODE	RD5.1ESB	⚠ R255, 256	FUSIBLE RESISTOR	RFA1/4PS470J
D721	ZENER DIODE	RD10ESB3	⚠ R269	METAL OXIDE RESISTOR	RS1LMF820J
D722	DIODE	1SS252	⚠ R270	CARBON FILM RESISTOR	RD1/2PMF330J
SWITCHES			⚠ R623	CARBON FILM RESISTOR	RD1/2PMF470J
S601 – 608	TACT SW	ASG – 703	⚠ R626	CARBON FILM RESISTOR	RD1/4PMF102J
CAPACITORS			R632	CARBON FILM RESISTOR	RD1/2PM471J
C201, 202	CERAMIC CAPACITOR	CKMYB561K50	R729	RESISTOR ARRAY	RA8T104J
C203, 204	ELECTR. CAPACITOR	CEJAR33M50	R734	RESISTOR ARRAY	RA13T104J
C205, 206	CERAMIC CAPACITOR	CKDYX273M16	⚠ R736	CARBON FILM RESISTOR	RD1/4PMF010J
C207, 208	AUDIO FILM CAPACITOR	CFTXA104J50	⚠ R738, 739	METAL OXIDE RESISTOR	RS2LMF471J
C209, 210	CERAMIC CAPACITOR	CKDYX103M16	⚠ R740	METAL OXIDE RESISTOR	RS2LMF561J
C211, 212	CERAMIC CAPACITOR	CKDYX273M16	R741, 742	CARBON FILM RESISTOR	RD1/4PM391J
C213, 214	CERAMIC CAPACITOR	CGMYX392M25	VR201 – 210	VR (100kΩ)	ACU1025
C215, 216	CERAMIC CAPACITOR	CKDYX103M16	VR215	VR (250kΩ)	ACS1052
C217, 218	CERAMIC CAPACITOR	CKMYB102K50	Other resistors		
C219, 220	CERAMIC CAPACITOR	CGMYB272M25		RD1/8PM ⊠ ⊠ ⊠ J	
C221, 222	CERAMIC CAPACITOR	CKMYB391K50	OTHERS		
C225	ELECTR. CAPACITOR	CEAS100M25	V701	REMOTE CONTROL SENSOR UNIT	AXX1010
C227, 228	CERAMIC CAPACITOR	CCMSL101J50	X601	FL	AAV1126
C231, 232	ELECTR. CAPACITOR	CEAS100M25	J4	CERAMIC OSCILLTOR	ASS1025
C233, 234	ELECTR. CAPACITOR	CEAS470M16		WIRE WITH 2P HOUSING	ADX1189
C235, 236	CERAMIC CAPACITOR	CCMSL101J50			
C245	ELECTR. CAPACITOR	CEAS101M16			
C246	ELECTR. CAPACITOR	CEAS100M25			
C247	ELECTR. CAPACITOR	CEAS470M25			
C248	ELECTR. CAPACITOR	CEAS100M25			
C249, 250	CERAMIC CAPACITOR	CCMSL101J50			
C601	CAPACITOR (47000μ/5.5V)	ACH1037			
C602	ELECTR. CAPACITOR	CEAS101M10			
C603 – 605	CERAMIC CAPACITOR	CKCYX104M25			
C606	ELECTR. CAPACITOR	CEAS330M16			

Mark No.	Description	Parts No.	Mark No.	Description	Parts No.
⊙ MIC ASS'Y (AWF1007) : SD type only					
SEMICONDUCTORS					
IC901, 902	OP – AMP IC	NJM4558DXP			
D951, 952	DIODE	1SS252			
CAPACITORS					
C901, 902	ELECTR. CAPACITOR	CEAS470M16			
C903, 904	ELECTR. CAPACITOR	CEAS220M16			
C905, 906	ELECTR. CAPACITOR	CEAS010M50			
C908	CERAMIC CAPACITOR	CKCYB392K50			
C909	AUDIO FILM CAPACITOR	CFTXA124J50			
C910	ELECTR. CAPACITOR	CEAS010M50			
C911	CERAMIC CAPACITOR	CCCSL151J50			
C912	ELECTR. CAPACITOR	CEAS100M25			
RESISTORS					
VR901	VR (30kΩ)	ACS1006			
	Other resistors	RD1/8PM ⊠ ⊠ ⊠ J			
OTHERS					
CN16	MIC JACK JUMPER CONNECTOR	AKN1005 KPE9			

⊙ **CONTROL ASS'Y (AWZ3481)**
The CONTROL ass'y (AWZ3481) is the same as the CONTROL ass'y (AWZ3477) with the exception of the following sections.

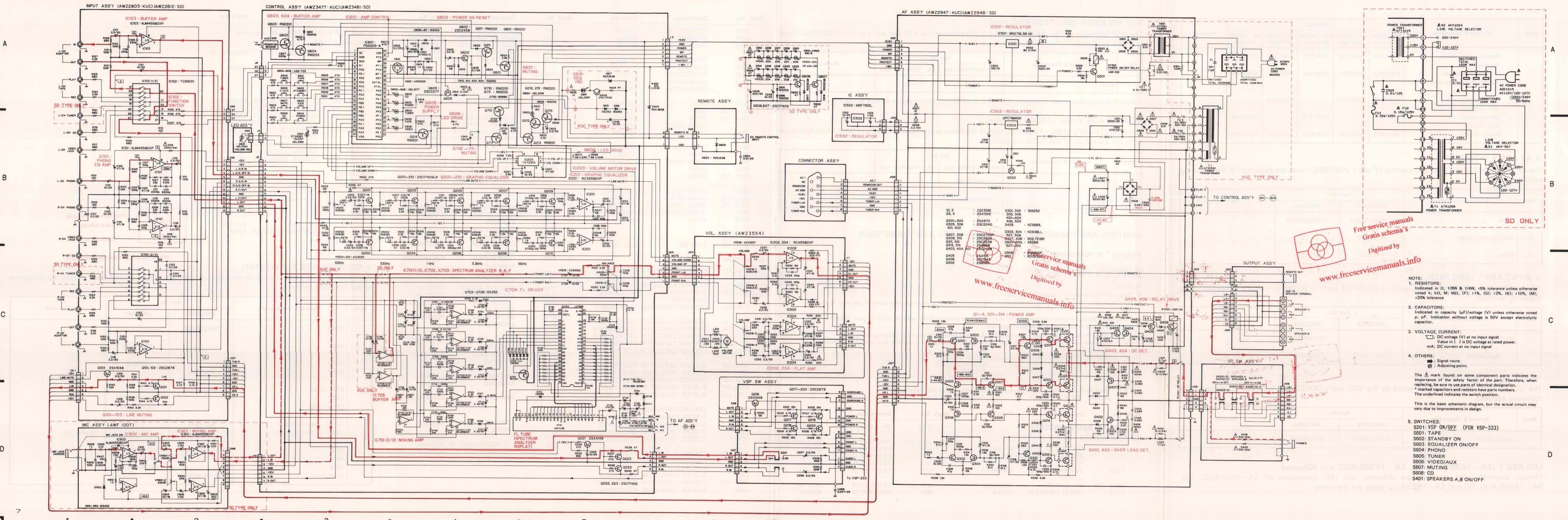
Mark	Symbol & Description	Part No.		Remarks
		AWZ3477	AWZ3481	
	IC705	RC4558DXP	.....	
	Q607	.....	2SC1740S	
	D618	.....	RD33ESB	
	D619	AEL1065	.....	
	C729, C730	CEAS100M25	.....	
	C608	.....	CEAS221M25	
	C613 – C622	.....	CEJA101M6	
	VR201 – VR210 (100kΩ)	ACU1025	.....	
	VR201 – VR210 (100kΩ)	.....	ACU1024	VR with LED
⚠	R626	RD1/4PMF102J	RD1/4PMF470J	
⚠	R627		RD1/4PMF470J	
	R628		RD1/8PM470J	
	R743, R744	RD1/8PM104J		

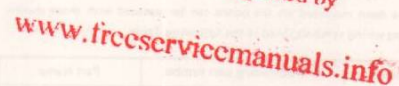


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3. SCHEMATIC DIAGRAM

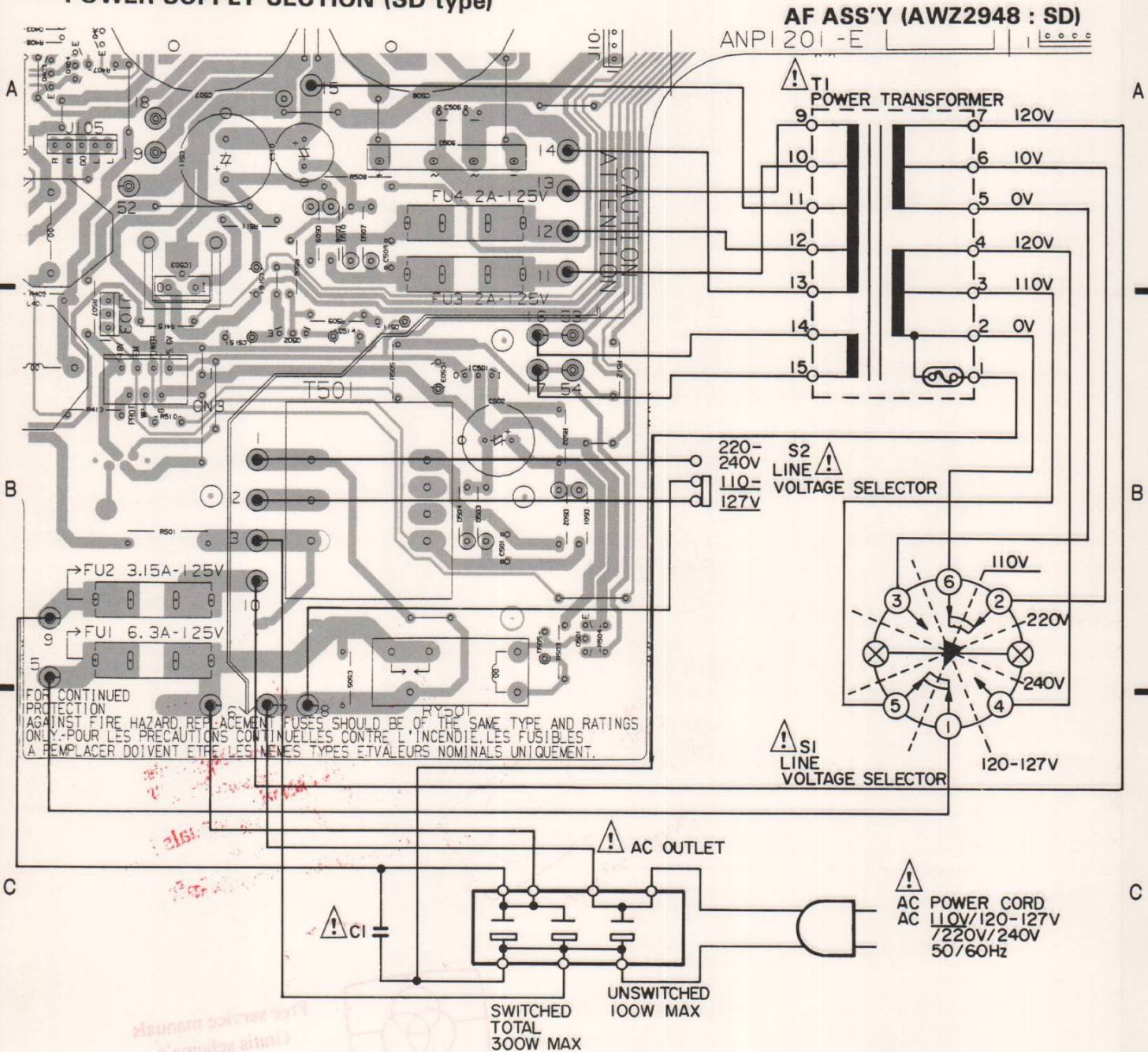




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4. P.C.BOARDS CONNECTION DIAGRAM

• POWER SUPPLY SECTION (SD type)



NOTE

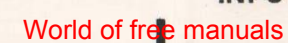
1. This P.C.B connection diagram is viewed from the parts mounted side.
2. The parts which have been mounted on the board can be replaced with those shown with the corresponding wiring symbols listed in the following Table.

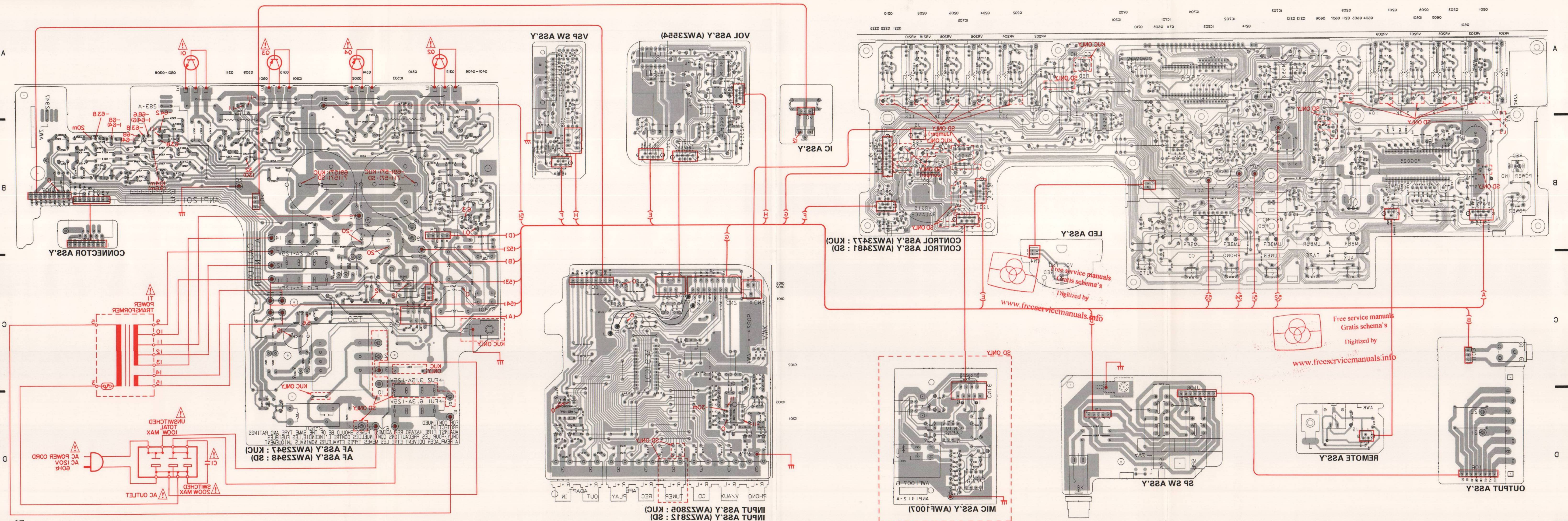
P.C.B. pattern diagram indication	Corresponding part symbol	Part Name
Q504		Transistor
D215		Radiator type transistor
D203		Diode
R237		Resistor
C513		Capacitor (Polarity)
C518		Capacitor (Non-polarity)

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 capacitor 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.





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