

Wurlantenc 300Ω

ORDER NO. SD 7504-1015

Service Manual

FM/AM STEREO RECEIVER

SA-5251 / SA-5551

- * This service manual includes only the changes of the **Technics** SA-5250/SA-5550 service manual (ORDER NO. SD7504-1011) except for replacement Parts List.
- * This manual should be filed with the service manual for model **Technics** SA-5250/SA-5550 (ORDER NO. SD7504-1011).
- * When servicing model SA-5251/SA-5551 this service manual and the **Technics** SA-5250/SA-5550 (ORDER NO. SD7504-1011) service manual should be used together.

REPLACEMENT PARTS LISTModel No. SA-5251 (for European Military)

NOTES: 1. Part numbers are indicated on most mechanical parts.
Please use this part number for parts orders.
2. **SAFETY** Indicates that only parts specified by the manufacturer be used for replacement in critical circuits.

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks	Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
INTEGRATED CIRCUITS									
IC101	AN217BB	FM IF, AM RF & AM IF Amplifier	1		L3	RLQY25S5	Choke Coil	1	
IC102	SV1SN76115N	PLL Type FM MPX	1		L4	SLDA4N18	FM DET Coil	1	
TRANSISTORS									
TR1	3SK39-Q	FM RF Amplifier	1		L5, 10	RLQY15G5	Choke Coil	2	
TR2	2SC922-M	FM Mixer	1		L6	SLOA4N9	FM Oscillator Coil	1	
TR3	2SC839-H	FM Oscillator	1		L7, 101, 103, 701	SLQX101-2D	Choke Coil	4	
TR101, 102, 103, 104, 105	2SC829-C	FM IF Amplifier	5		L8	SLFA2E22	AM Antenna Coil	1	
TR106, 107	2SC945-P2	FM Muting Switching	2		L9	SLOA2C6	AM Oscillator Coil	1	
TR201, 202	2SC1327-T	Equalizer Amplifier	2		L102	SLIA4B1	FM AGC Coil	1	
TR203, 204	2SA721-T	Equalizer Amplifier	2		L104, 105	SLM127-K	Low Pass Filter	2	
TR(601, 602) × 2	2SA666A-AD	Differential Amplifier(Use in Pairs)	4		T1	RL17W105S-T	AM 1st IF Transformer	1	
TR(603) × 2	2SC1573-Q	Pre Driver Amplifier	2		T2	RL2C450P-T	AM 2nd IF Transformer	1	
TR(604) × 2	2SC828-R	Thermo Compensation	2		T101	SLIA4C56	FM Discriminator, Secondary	1	
TR(605) × 2	2SC1567-R	Driver Amplifier, Use in Pairs	2		T102	SLIA4C541	FM Discriminator, Primary	1	
TR(606) × 2	2SA794-R	Driver Amplifier, Use in Pairs	2		T103, 104	SLIA4C241-T	FM Muting & Meter IFT	2	
TR(607) × 2	2SC1667(S)-Q	Power Amplifier, Use in Pairs	2		T1001	SLT5P47	Power Transformer	1	
TR(608) × 2	2SA837(S)-Q	Power Amplifier	2		CERAMIC FILTERS				
TR701	2SA699-R	Ripple Filter	1		CF101, 102, 103	SVF107MA8A	FM IF Circuit, Red, 10.7 MHz	each 3	
TR702	2SA684-Q	Speaker Protection	1	SVF107MA8B		FM IF Circuit, Blue, 10.67MHz			
TR703, 704	2SC1318-R	Speaker Protection	2	SVF107MA8C		FM IF Circuit, Orange, 10.73MHz			
				SVF107MA8E		FM IF Circuit, Black, 10.6MHz			
VARIABLE RESISTORS									
D1, 2, 101, 104, 105	OA99	AM & FM AGC Detector	5	1 pair	VR101	EVL33AA00B54	50kΩ (B), Muting Level Adjustment	1	
					VR102	EVL33AA00B24	20kΩ (B), Signal Meter Adjustment	1	
					VR103, 104	EVL33AA00B14	10kΩ (B), PLL VCO & Separation Adj.	2	
					VR501	EVE2DA088G25	200kΩ (G), Balance Control	1	
					VR502	EW49A037BF5	250kΩ (B), Volume Control	1	
					VR503, 504	EW33NA037C15	100kΩ (C), Bass & Treble Control	2	
D701	SVDAS2HB10	Rectifier	1		VR(601) × 2	EVL30AA00B52	500Ω (B), ICQ Adjustment	2	
D702, 703	RVD1001	Rectifier	2		VARIABLE CAPACITORS				
D704	SVDA10D1M	Rectifier	1		CV1~5 (CT1~4)	ECV5MX25X20G	Tuning Gang, AM/FM (with Trimmer)	1	
D705	SVDAEQB0120	20V Zener	1			ECV1ZW06P35	FM OSC Trimmer, 6pF	1	
D706	SVDARD10E	10V Zener	1		COMPONENT COMBINATIONS				
THERMISTORS									
TH(601) × 2	RRT251	Driver Circuit	2		COMPONENT COMBINATIONS				
COILS and TRANSFORMERS									
L1	SLAA4W1-3	FM Balun Coil	1		Z1	EXAF203Z471	AM Detector	1	
L2	SLAA4N9	FM Antenna Coil	1		Z101	EXA5DL04C	FM Detector	1	
					Z701, 702	RXAF103P22HD	Hum Cancel, 0.01μF(×2), 500WV	2	

Technics
byPanasonic

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40 Ronson Drive, Rexdale, Ont.

SA-5251

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks	Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
SWITCHES					CHASSIS PARTS				
S501	SSRA81	Selector Switch	1		CH1	SDHA60-2	Mounting, Meter & Dial Scale	1	
S502, 503, 505	SSH303S	Tape 1, 2 & Mode Switch	1		CH2	SHRA916-1	Lock Pin, Dial Scale	2	
S506, 507	SSHA56S	Loudness & Muting Switch	1		CH3	SKDA530	Dial Scale	1	
S1001	ESRC124F30CE	Speakers Selector Switch	1		CH4	SUSA69	Spring, Meter	1	
S1002	ESB7040JT	Power Switch (with Button)	1		CH5	SUMA8-1	Mounting, Dial Scale	1	
S1003	SSRA71S	Voltage Selector Switch	1		CH6	SJJA116	Headphones Jack	4	
RELAY and METER					CH7	RDY34	Shaft, Pulley (RDR20)	4	
RLV701	SSYA1	Speaker Protection Relay	1		CH8	RDR20	Pulley, Dial Cord	4	
	SSMA25-2	Signal Meter	1		CH9	RNW150-2	Lock Washer, Pulley	5	
FUSES and LIGHTS					CH10	SDUA11	Filter, Dial Light	1	
F1, 2	XBZA2K30N55	3A Fuse, Power Source	2		CH11	XTV3+8CK	Black Screw, Lamp House M'tg	4	
F3, 4	XBASI1A3301	3.3A Fuse, Circuit Protection	2		CH12	XNG3CS	Nut, Lamp Holder M'tg	2	
F6	XBZA2K15N55	1.5A Fuse, Power Source	1		CH13	SMPA59	Lamp House	1	
PL1 ~ 6	XAM35K	Dial Lamp, 6.3V 0.25A	6		CH14	SDPA8	Pointer, Dial	1	
PL7	XAMR38S150A	Stereo Eye, 6.3V 40mA	1		CH15	SJSA206	Holder, Dial Lamp	1	
CABINET PARTS					CH16	SDZ051-1	Cord, Dial (200cm (78 3/4"))	1 roll	
CA1	XTS3+8BK	Black Screw, Panel M'tg.	2		CH17	SGL51	Orange Filter, Stereo Indicator	1	
CA2	SGW6350	Front Panel	1		CH18	RDR23	Pulley, Dial Cord	1	
CA3	SBNA116E	Knob, Speakers, Selector Switch Bass	6		CH19	RDY32	Shaft, Pulley (RDR23)	1	
CA4	XTV3+8CK	Treble, Balance, Volume Control	2		CH20	SHGA204	Rubber Cushion, Stereo Eye	1	
CA5	SBNA131E	Button, Push Switches	5		CH21	SDTA10-2S	Tuning Shaft, with Flywheel	1	
CA6	SGUA34	Knob, Tuning	1		CH22	SDDA471S	Drum, Tuning	1	
CA7	SKAA830-1	Glass Plate	1		CH23	SDS44121	Spring, Drum	1	
CA8 (BLK)	XBZA16KS	Cabinet (Black Wood)	4			XXAR3H6S	Screw, Drum M'tg	2	
CA9 (BLK)	SGPA680-1BF	Screw, Black Cabinet M'tg.	1			SJS5405	4pin Socket, Lead Connector	2	
CA10	SGT11190	Rear Panel (with Name Plate)	1			SJS5603	6pin Socket, Lead Connector	14	
CA11	SMA197	Name Plate (Model No. Label) Only	1			SJSA1	Pin Clamp (SJS5405, SJS5603)	1	
CA12	SMAA6-2	Mounting, AM Antenna Coil	1		CH24	SHRA919	Lock Pin, Dial Light Filter	3	
CA13	SJFA5201-1	Band, AM Antenna Coil	1		ACCESSORIES				
CA14	SJSA66-1	Fuse Holder, Circuit Protection	2		A1	SSAA3	FM Antenna Cord	1	
CA15	RHR111	Socket, AC Outlet	1		A2	XBASI1A3301	Circuit Protection Fuse (3.3A)	2	
CA16	SJFA4401-2	Bushing, AC Cord	1		A3	RJP5	Pin Plug	4	
CA17	SJFA3020-1	Terminal, Antenna	1		A4	RJP16AS	AC Plug	1	
CA18	XSN26+12	Terminal, Input	1		A5	RJP17AS	AC Plug	1	
CA19	SJFA5202-1	Screw, Fuse Cap M'tg.	1		PACKING PARTS				
CA20	SJFA4803-1	Fuse Cap, M'tg.	1		P1	SPPA16-1	Soft Cover	1	
CA21	SJJA3-1	Terminal, Speakers	1		P2	SPS5	Pad, AM Bar Antenna	1	
CA22	SKUA440	AC Cord	1		P3	SPP163	Polyethylene Bag	1	
CA23	SKL145	Bottom Board	1		P4	SPS1	Pad, Left Side	1	
CA24	XTV3+8CFYR	Leg	4		P5	SPS3	Pad, Right Side	1	
CA25	XSN3+6FYRS	Red Screw, Bottom Board M'tg.	5		P6	SPS13	Pad, Bottom Board	1	
CA26	RHR106	Red Screw, Bottom Board M'tg.	1		P7	SPG533	Carton Box	1	
	RJS31-1	Bushing, AM Antenna Lead Wire	1		P8	SQF1039	Printed Matter, Complete	1	
		DIN Socket, Tape Monitor	1		P9		Deletion		
			1		P11		Deletion		

CHANGE OF PARTS NO.

Ref. No.	Change of Part No.	Description	Per Set (Pcs.)
C138, 139	SA-5250 → SA-5251		
CA8	ECQM05223KZ	0.039μF, 50WV, ±5%, Polyester Capacitor	2
CA9	SKAA830	Cabinet, Black Wooden	1
CA10	XSB4+16BVC	Screw, Black Cabinet M'tg.	4
	SGPA680-1B	Rear Panel (with Name Plate)	1
CH1	SGT11190	Name Plate (Technics by Panasonic Model SA-5251 Label)	1
P7	SDHA60-1	Mounting, Meter & Dial Scale	1
P8	SPN5085	Carton Box	1
P9	SQF979	Printed Matter	1
	SPG511	Deletion, Inner Carton Box	
P11	SPNA187	Deletion, Carton Box Upper Pad	

REPLACEMENT PARTS LISTModel No.

SA5551

(for European Military)

NOTES: 1. Part numbers are indicated on most mechanical parts.
Please use this part number for parts orders.
2. **SA5551** Indicates that only parts specified by the manufacturer be used for replacement in critical circuits.

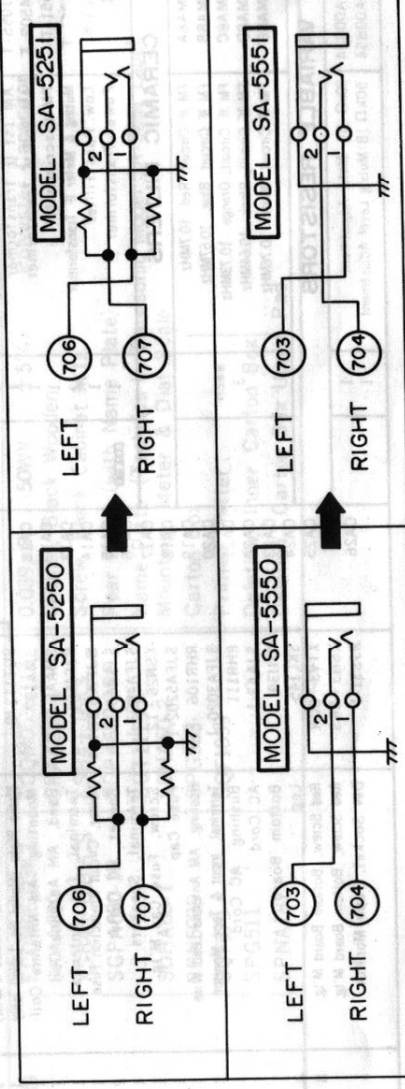
Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
INTEGRATED CIRCUITS				
IC101	AN2178B	FM IF, AM RF & AM IF Amplifier	1	
IC102	SVISN76115N	PLL Type FM MPX	1	
TRANSISTORS				
TR1	3SK39-Q	FM RF Amplifier	1	
TR2	2SC922-M	FM Mixer	1	
TR3	2SC839-H	FM Oscillator	1	
TR4, 109, 110	2SA666-Q	AM & FM AF Amplifier	3	
TR101 ~ 105	2SC829-C	FM-IF Amplifier	5	
TR106, 107	2SC945-P2	Muting Switching	2	
TR108	2SA733-MAP	Stereo Eye Switching	1	
TR203, 204	2SC1328-T	Equalizer Amplifier	2	
TR201, 202	2SA722-T	Equalizer, Tone Amplifier & Speaker Protection Switching	10	
501, 502, 503, 504, 703, 705, 706, 707				
TR(601, 602) × 2	2SA640AD	Differential Amplifier (Use in Pairs)	4	
TR(603) × 2	2SC1628-Y	Pre Driver Amplifier	2	
TR(604) × 2	2SC828-R	Thermo Compensation	2	
TR(605) × 2	2SD381-L9	Driver Amplifier (Use in Pairs)	2	
TR(606) × 2	2SB536-L9	Driver Amplifier (Use in Pairs)	2	
TR(607) × 2	2SD426-R	Power Amplifier (Use in Pairs)	2	
TR(608) × 2	2SB556-R	Power Amplifier (Use in Pairs)	2	
TR701, 704	2SA684-Q	Ripple Filter & Relay Driver	2	
TR702	2SA794-R	Ripple Filter	1	
DIODES				
D1, 2, 101, 104, 105	0A99	AM/FM, AGC & Muting Detector	5	
D102, 103	2-0A99	FM Discriminator	1 Pair	
D106 ~ 108	MA150	Meter Detector	3	
D701	SVD686CTA	Rectifier	1	
D703, 704, 707	SVDA100DM	Rectifier	3	
D705	SVDEQA0124R	24V Zener	1	
D706	SVDAEOB0109	9V Zener	1	
D702	RVD1001	Rectifier	1	
THERMISTORS				
TH(601) × 2	RRT251	Driver Circuit	2	
COILS and TRANSFORMERS				
L1	SLAA4W1-3	FM Balun Coil	1	
L2	SLAA4N9	FM Antenna Coil	1	
L3	RLQY25S5	Choke Coil	1	
L4	SLDA4N18	FM DET Coil	1	
L5, 11	RLQY15G5	Choke Coil	2	
L6	SLOA4N9	FM Oscillator Coil	1	
L7, 8, 102, 103, 701	SLQX101-2D	Choke Coil	5	
L10	SLFA2E22	AM Antenna Coil	1	
L101	SLIA4B1	FM AGC Coil	1	
T1	SLOA2C6	AM Oscillator Coil	1	
T2	RL17W105S-T	AM 1st IF Transformer	1	
T3	RL12C450P-T	AM 2nd IF Transformer	1	
T101	SLIA4D51-T	FM Discriminator	1	
T102, 103	SLIA4C241-T	Muting & Meter IF Transformer	2	
L104	SLMA1Z3-K	Low Pass Filter	1	
T1001	SLT5S1	Power-Transformer	1	
CERAMIC FILTERS				
CF101, 102, 103	SVF107MA8A SVF107MA8B SVF107MA8C SVF107MA8D SVF107MA8E	FM IF Circuit, Red, 10.7MHz FM IF Circuit, Blue, 10.67MHz FM IF Circuit, Orange, 10.73MHz FM IF Circuit, Black, 10.64MHz FM IF Circuit, White, 10.76MHz	each 3	
VARIABLE RESISTORS				
VR101	EVL53AA00B24	20kΩ (B), Meter Adjustment	1	
VR102	EVL53AA00B54	50kΩ (B) Muting Level Adjustment	1	
RELAY and METERS				
RLY701	SSYA1	Speakers Protection Relay	1	
	SSMA25-2	Signal Meter	1	
	SSMA26-2	FM Tuning Meter	1	
FUSES and LIGHTS				
F1	XBA2K50NS5	5A Fuse, Power Source	1	
F2	XBA1K30NS5	3A Fuse, Power Source	1	
F3, 4		5A Fuse, Circuit Protection	2	
F7	XBA2K25NS5	2.5A Fuse, Power Source	1	
PL1 ~ 6	XAM35K	Dial Lamp, 6.3V 0.25A	6	
PL7	XAMR38S150A	Stereo Eye, 6.3V 40mA	1	
CABINET PARTS				
CA1	XTS3-8BK	Black Screw, Panel M'tg.	2	
CA2	SGW6310	Front Panel	1	
CA3	SBNA116E	Knob, Speakers Bass, Treble, Volume	6	
CA4	XTV3-8CK	Balance & Selector	2	
CA5	SBCA56	Black Screw, Panel M'tg	7	
CA6	SBNA131E	Button, Push Switches	1	
CA7	SGU1	Knob, Tuning Control	1	
CA8 (BLK)	SKA7811	Glass Plate	1	
CA9 (BLK)	XSB4-16FZS	Cabinet (Black Wood) Screw, Black Cabinet M'tg.	4	
CA10	SGPA710-1AF	Rear Panel (with Name Plate) Name Plate (Model No. Label) only	1	
CA11	SGT11270	Mounting, AM Antenna Coil	1	
CA12	SMAA6-2	Band, AM Antenna Coil	1	
CA13	SJFA501	Terminal, Ext. Antenna	1	
CA14	SJFA66-1	Holder, Circuit Protection Fuse Socket, AC Outlet	1	
CA15	SJFA4803-1	Terminal, Speakers	2	
CA16	XSN26+12	Screw, Fuse Cap M'tg.	1	
CA17	SJFA5202-1	Fuse Cap	1	
CA18	RHR106	Bushing, AM Antenna Lead Wire	1	
CA19	SJFA3020-1	Terminal, Input & Tape Monitor	1	
CA20	RHR111	Bushing, AC Cord	1	
CA21	SJAA3-1	AC Cord	1	
CA22	SYU39	Bottom Board	1	
CA23	SKL145	Leg	4	
CA24	XTV3+8CR	Red Screw, Bottom Board M'tg.	8	
CA25	XSN3+8RS	Red Screw, Bottom Board M'tg.	1	
CA26	RJS31-1	DIN Socket, Tape Monitor	1	

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks	Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
CHASSIS PARTS									
CH1	SDH113-2	Mounting, Meter & Dial Scale	1		A1	SSAA3	FM Antenna Cord	1	
CH2	SHRA916-1	Lock Pin, Dial Scale	2		A2	XBASIA5001	Circuit Protection Fuse, 5A	2	
CH3	SKD2310	Dial Scale	1		A3	RJP5	Pin Plug	4	
CH4	SMMA10-1	Mounting, Meter	1		A4	RJP16AS	AC Plug	1	
CH5	SUM1	Mounting, Dial Scale	1		A5	RJP17AS	AC Plug	1	
CH6	SJJA16	Jack, Headphones	1		PACKING PARTS				
CH7	RDY34	Shaft, Pulley	6		P1	SPPA14	Soft Cover	1	
CH8	RDR20	Pulley, Dial Cord	5		P2	SPS5	Pad, AM Bar Antenna	1	
CH9	RNW150-2	Lock Washer, Pulley	5		P3	SPPI63	Polyethylene Bag	1	
CH10	SDU1	Filter, Dial Light	1		P4	SPS7	Pad, Left Side	1	
CH11	XTV3+-8CK	Black Screw, Lamp House M'tg.	4		P5	SPS9	Pad, Right Side	1	
CH12	XNG3CS	Nut, Lamp Holder M'tg.	2		P6	SPS51	Pad, Bottom Side	1	
CH13	SMP231	Lamp House	1		P7	SPG535	Carton Box	1	
CH14	SDPA8	Pointer, Dial	1		P8	SQFA1055	Printed Matter, Complete	1	
CH15	SJSA206	Holder, Dial, Lamp	1		P9	.....	Deletion	.....	
CH16	SDZ051-1	Cord, Dial (230cm 90%)	1 roll		P10	.....	Deletion	.....	
CH17	SGL51	Orange Filter, Stereo Indicator	1		P11	.....	Deletion	.....	
CH18	SHGA204	Bracket, Stereo, Eye	1						
CH19	SDTA10-2S	Tuning Shaft, with Flywheel	1						
CH20	SDDA471S	Drum, Tuning	1						
CH21	SDSA4121	Spring, Drum	1						
	XXAR3H6S	Screw, Drum M'tg.	2						
CH22	SHRA919	Lock Pin, Dial Light Filter	3						
	SJSA65	Socket, Main Amp. p.c.b. Connector	4						

CHANGE OF PARTS NO.

Ref. No.	Change of Part No.	Description	Per Set (Pcs.)
	SA-5550 → SA-5551		
R145, 146	ERD14TJ392	4.7k Ω , $\frac{1}{4}$ W, $\pm 5\%$, Carbon Resistor	2
C146, 147	ECQM05183JZ	0.027 μ F, 50WV, $\pm 5\%$, Polyester Capacitor	2
CA8	SKA7810	Cabinet, Black Wooden	1
CA9	XBB4+-16BVC5	Scren, Black Cabinet M'tg.	4
CA10	SGPA710-1A	Rear Panel (with Name Plate)	1
	.....	Name Plate (Technics by Panasonic Model SA-5551 Label)	1
CH1	SDH113-1	Mounting, Meter & Dial Scale	1
P6	SPS101	Pad, Set Bottom Side	1
P7	SPN5089	Carton Box	1
P8	SQF987	Printed Matter, Complete	1
P9	SPG519	Deletion	.....
P10	SPS103	Deletion	.....
P11	SPS105	Deletion	.....

CHANGE OF SCHEMATIC DIAGRAMS.....Headphones



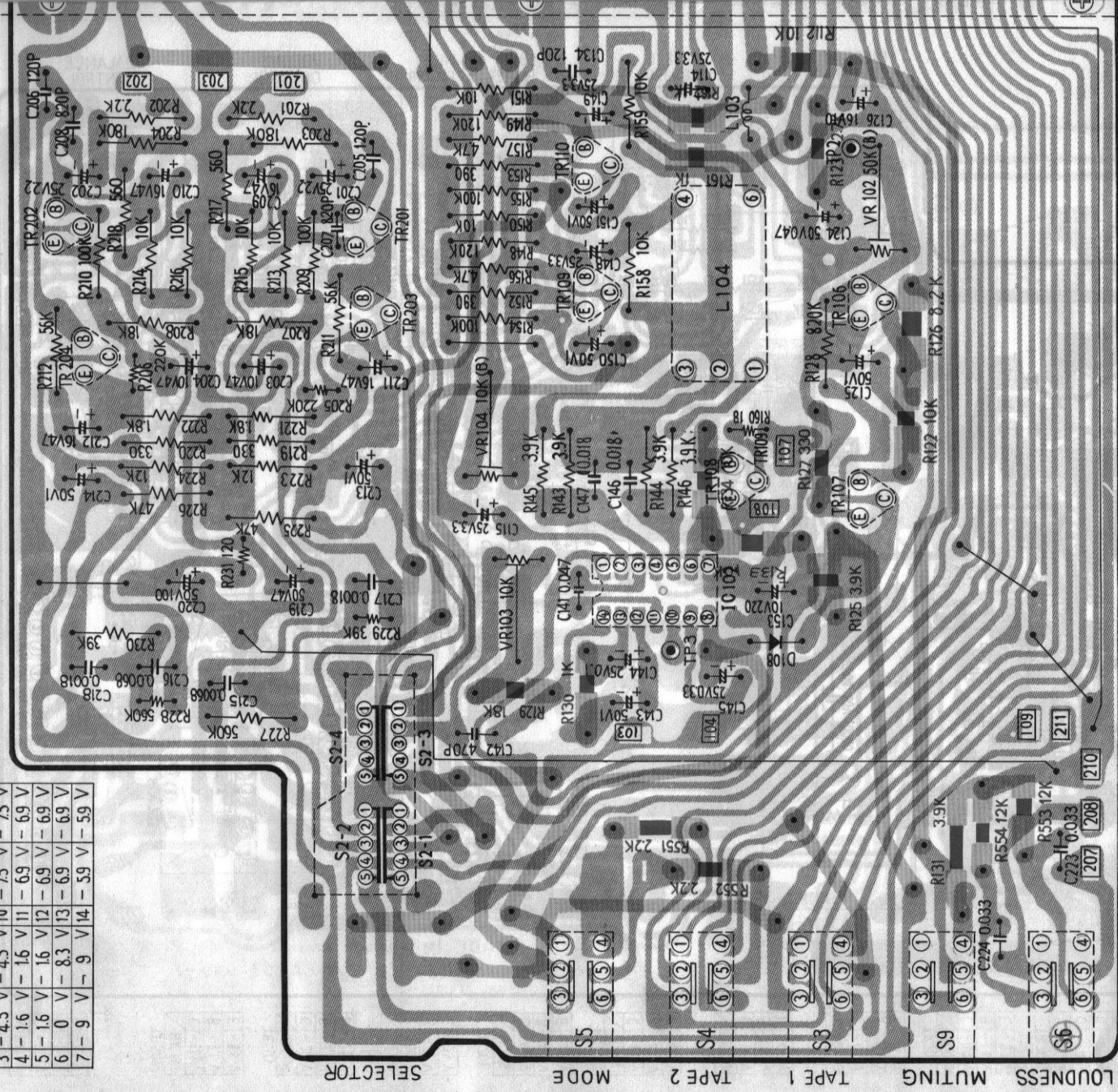
FM/AM TUNER, AF AMPLIFIER & EQUALIZER CIRCUIT BOARD (Bottom)

TR204		AF
	C	-24.1 V
	B	-36.4 V
	E	-37.1 V

TR203	AF
C	-24.1 V
B	-36.4 V
E	-37.1 V

TR202		AF
	C	-36.4 V
	B	-2.7 V
	E	-2.2 V

TR201		AF
	C	-36.4 V
	B	-2.7 V
	E	-2.2 V



TR109	FM-AF
C	-10.4 V
B	-1.5 V
E	-0.8 V

	FM-ST	FM-MOND
C	-0.4 V	-8.1 V
B	-0.7 V	0 V
E	0 V	0 V

	MUT-ON	MUT-OFF
C	-8.3 V	-1.7 V
B	-7.6 V	-8.9 V
E	-8.3 V	-9 V

TR106	
	MUT-ON MUT-OFF
C	-3.4 V -8.9 V
B	-8.7 V -8.4 V
E	-9 V -9 V

AC FUSE CIRCUIT

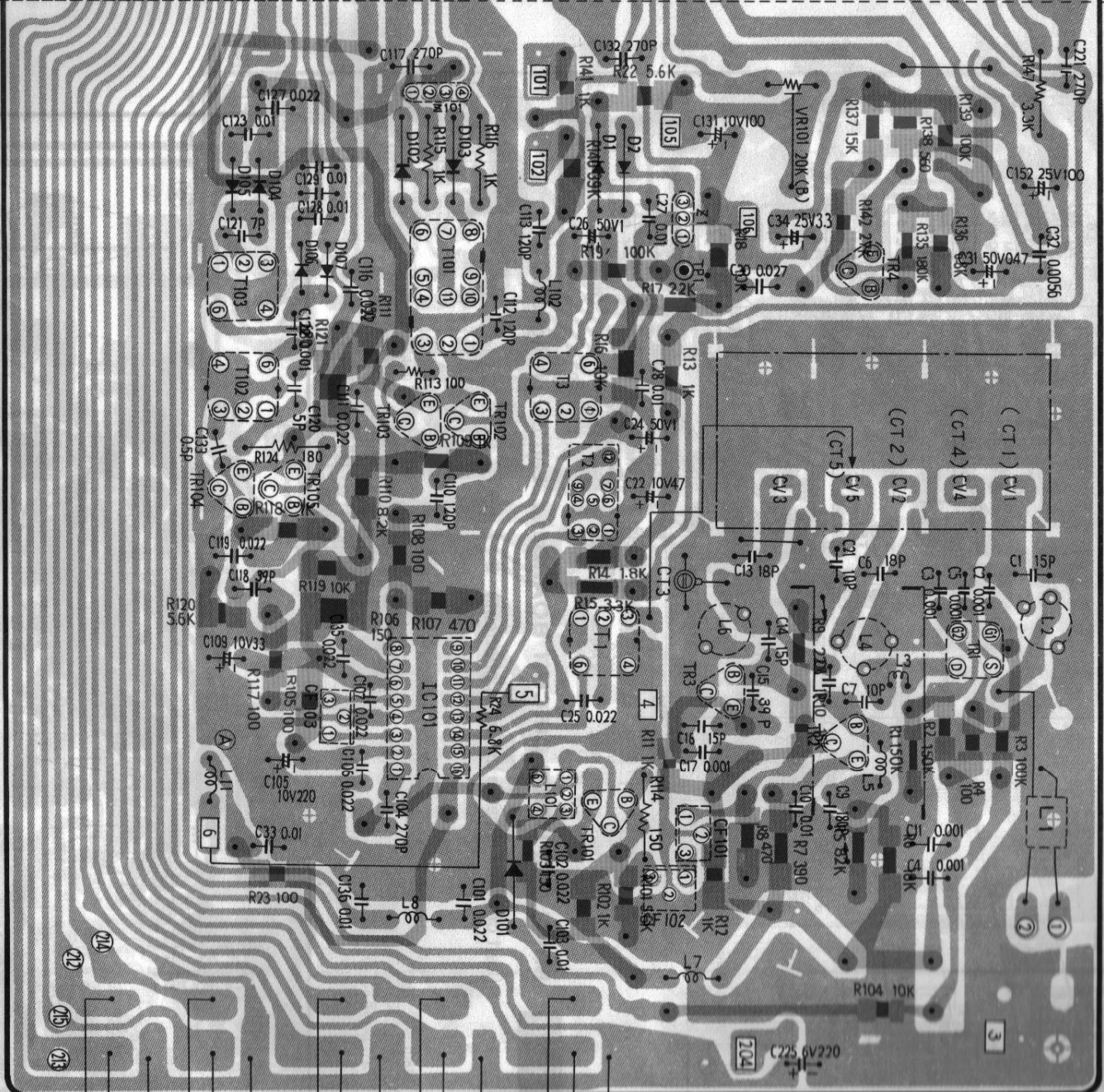
TR4	AM-AF
C	-11.2V
B	-1.5V
E	-0.9V

TR3	FM-OSC
C	0 V
B	-4.1 V
E	-4.8 V

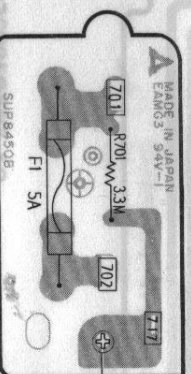
TR2	FM-MIX
C	-0.7 V
B	-7.7 V
E	-8.4 V

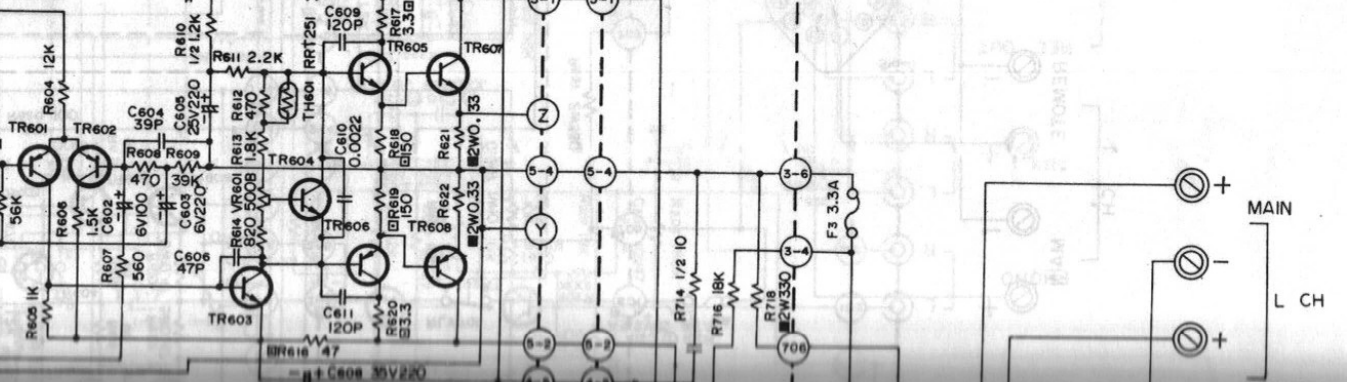
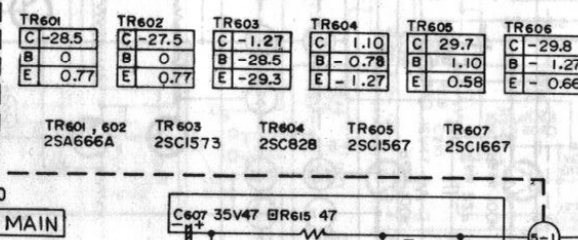
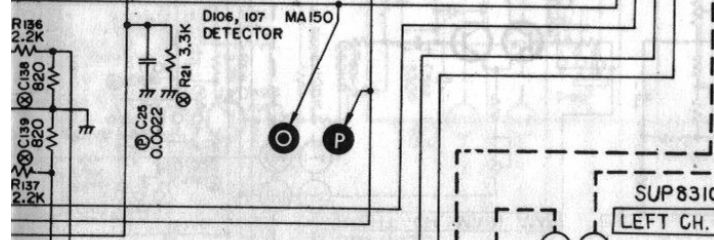
TR1	FM-RF
D	0 V
G1	-8.8 V
G2	-4.4 V
S	-8.6 V

Printed Resistor
Circuit View on Top of P.C.B.



IC101	F.M.	AM
1	-4.8 V	9 0 V
2	-5.2 V	10 -5.1 V
3	-2.1 V	11 -6.1 V
4	0 V	12 0 V
5	-4.8 V	13 -5.6 V
6	-6.1 V	14 -4.8 V
7	-4.8 V	15 0 V
8	-1.1 V	16 -5.6 V

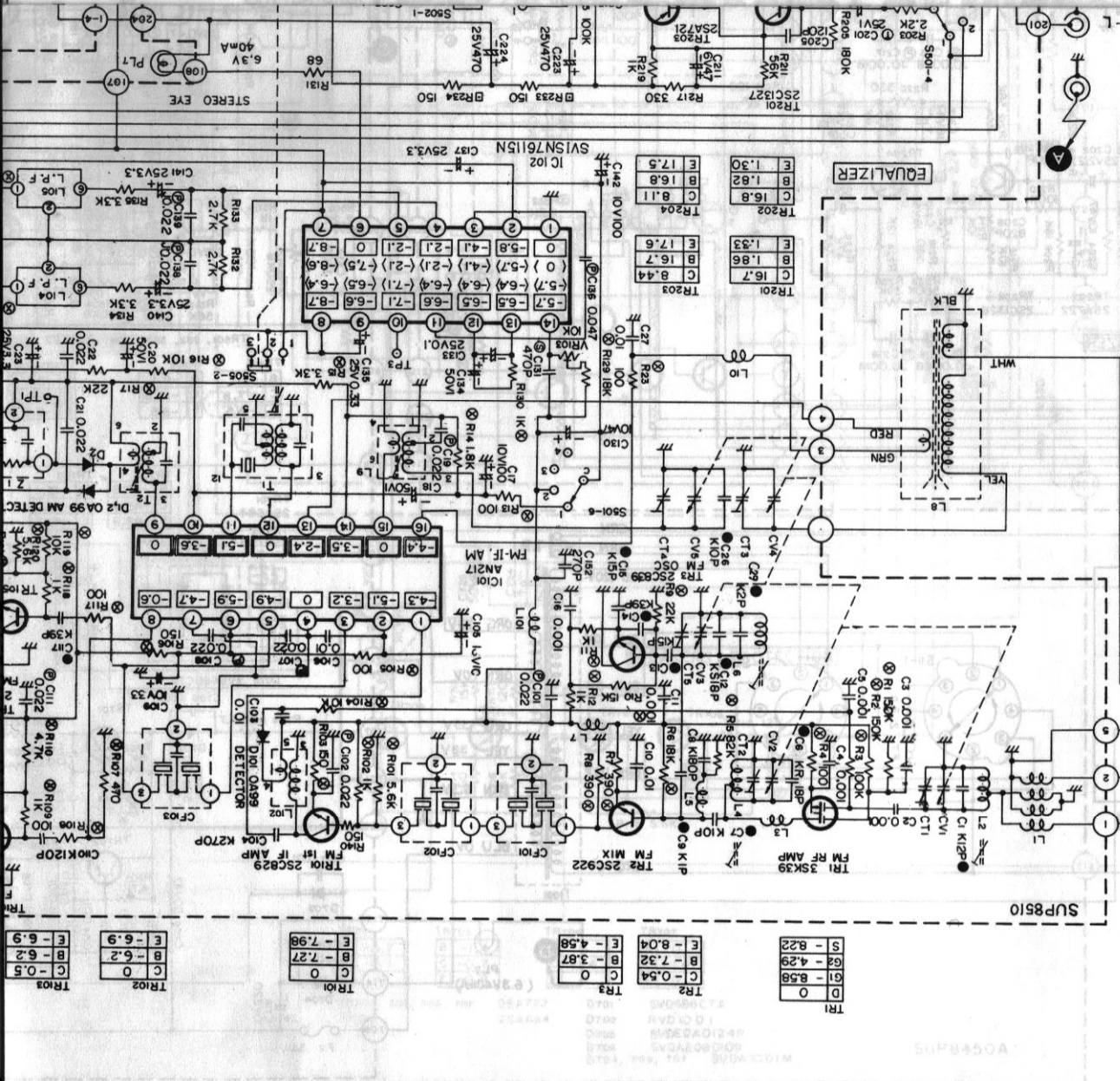




Schematic Diagram

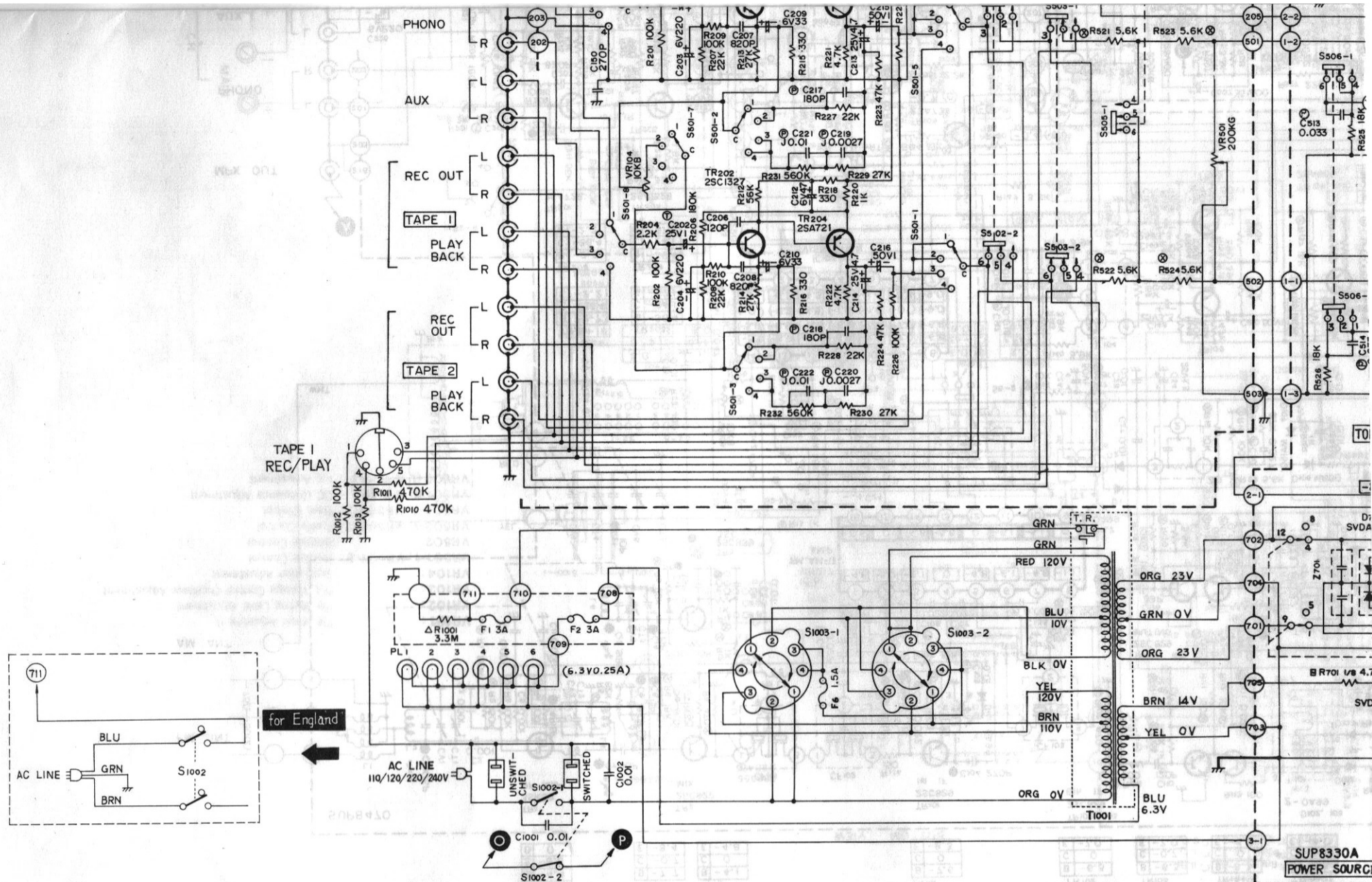
Model SA-5250

(This schematic diagram may be modified at any time)



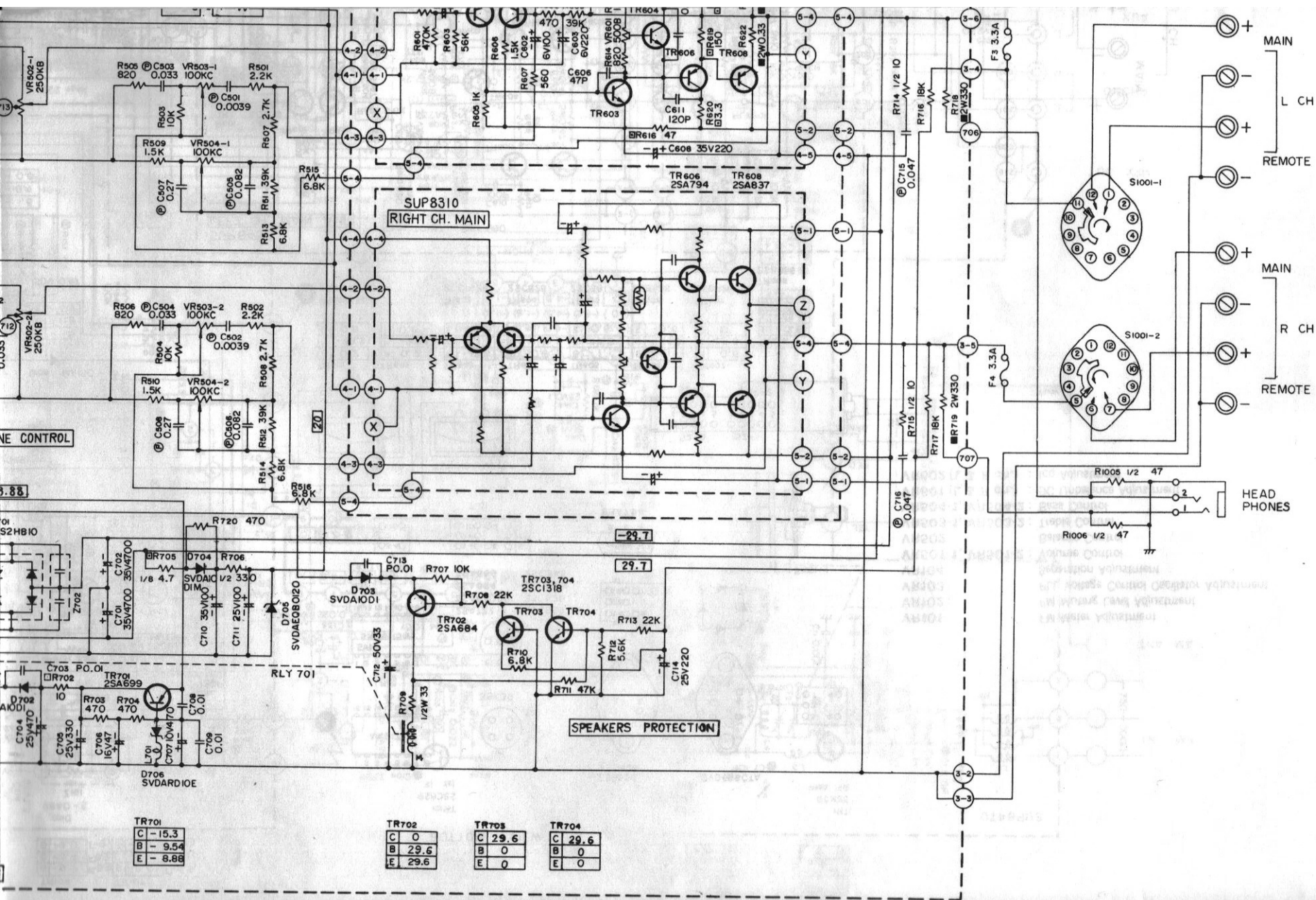
- Notes :
1. S501-4~S501-8 : Selector switch in "AM" position.
AM $\leftrightarrow$ FM AUTO $\leftrightarrow$ PHONO $\leftrightarrow$ AUX
 2. S502-1, S502-2 : Tape monitor (TAPE 1) switch in "SOURCE" position.
 3. S503-1, S503-2 : Tape monitor (TAPE 2) switch in "SOURCE" position.
 4. S505-1, S505-2 : Mode switch in "STEREO" position.
 5. S506-1, S506-2 : Loudness switch in "OFF" position.
 6. S507 : FM muting switch in "ON" position.
 7. S1001-1, S1001-2 : Speakers selector switch in "OFF" position.
OFF $\leftrightarrow$ MAIN $\leftrightarrow$ REMOTE $\leftrightarrow$ MAIN + REMOTE
 8. S1002-1, S1002-2 : Power source switch in "OFF" position.
 9. S1003-1, S1003-2 : Voltage selector switch in "110V" position.
110V $\leftrightarrow$ 120V $\leftrightarrow$ 220V $\leftrightarrow$ 240V
 10. RLY701 : Speakers protection relay in "NORMAL" position.
 11. DC voltage measurements are taken with DC VTVM from chassis ground.

FM stereo signal reception
AM position
FM position

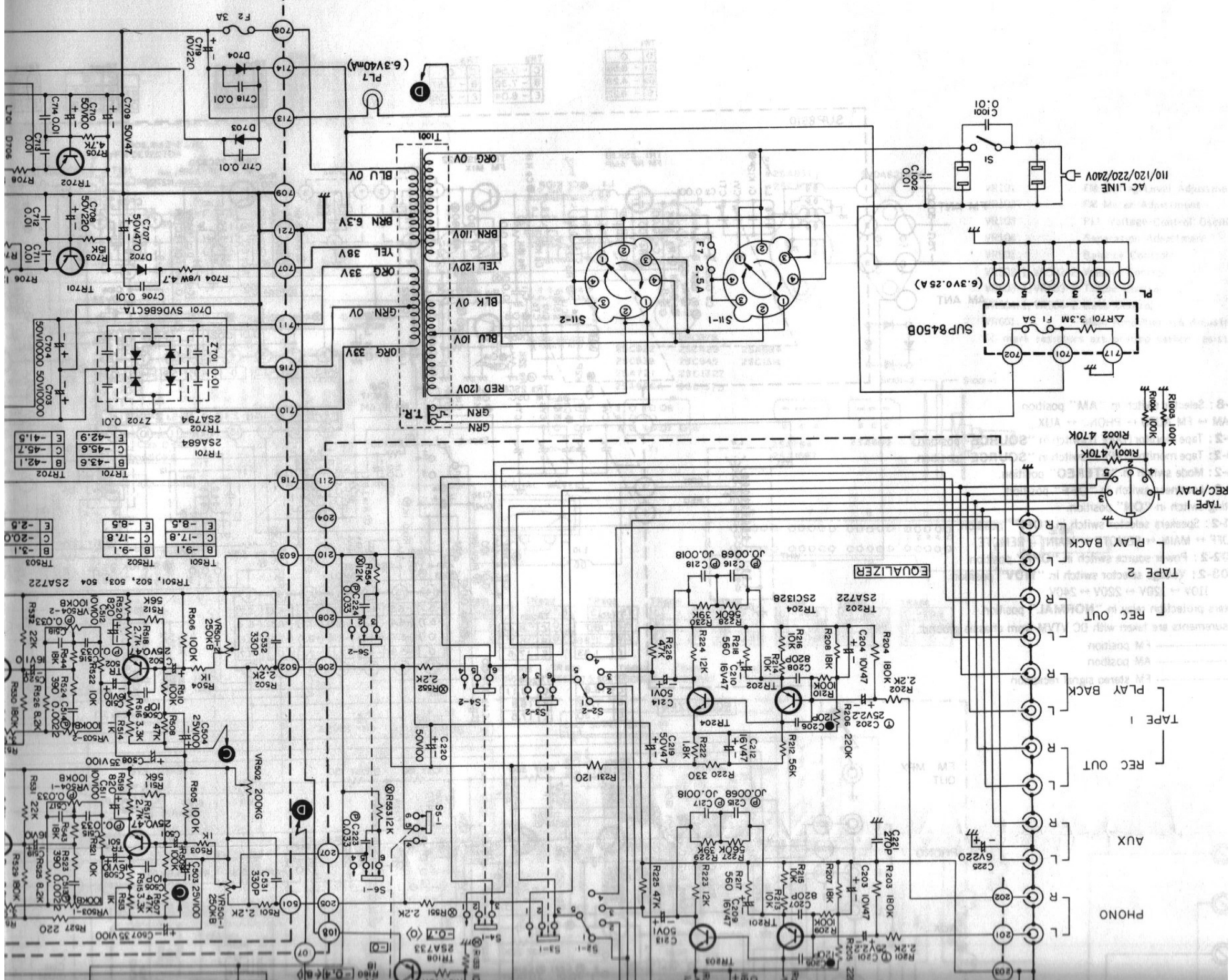


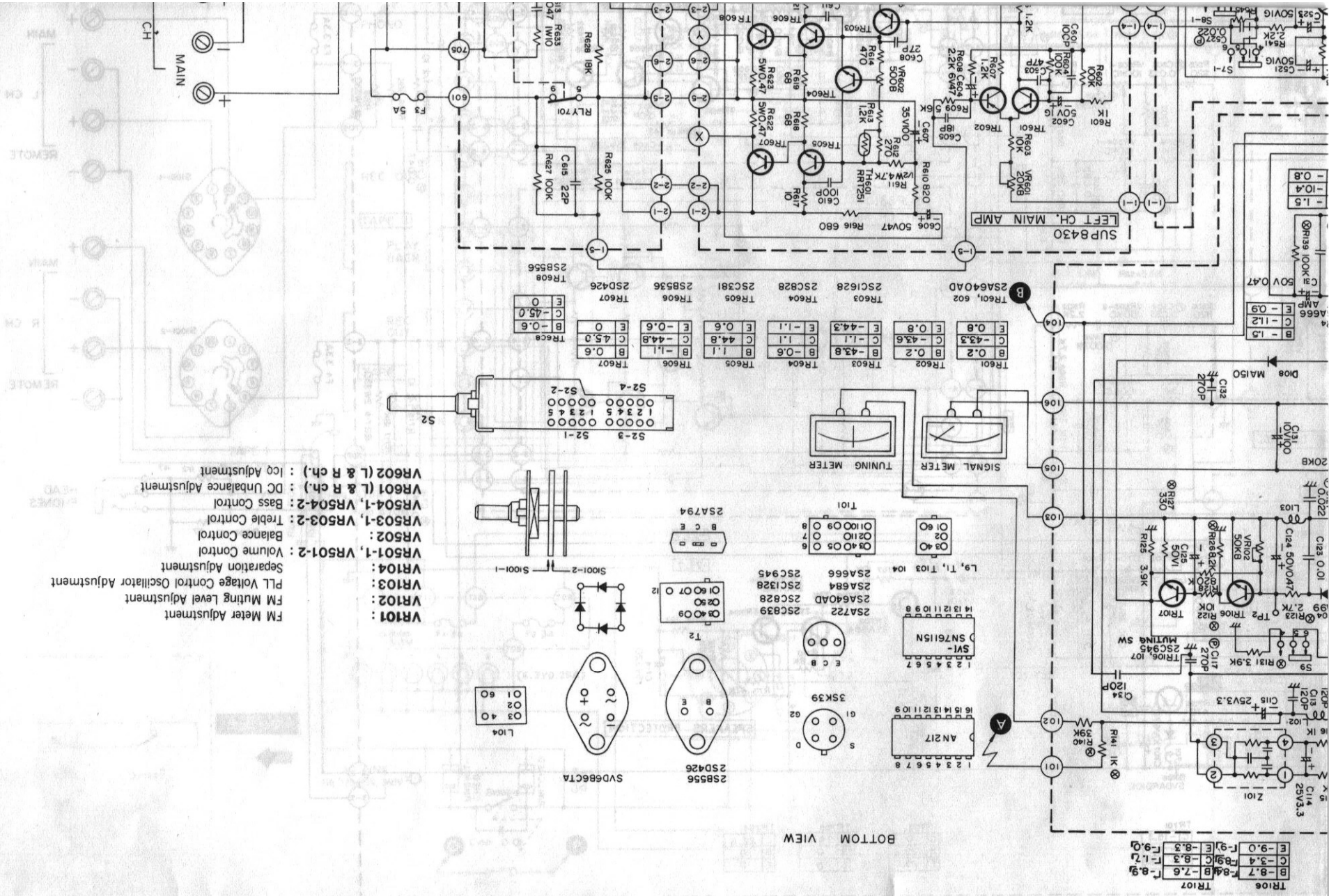
Schematic Diagram

Model 2A-2520



FM	- 48 V
1	- 52 V
2	- 21 V
3	0 V
4	- 48 V
5	- 61 V
6	- 48 V
7	- 1.1 V



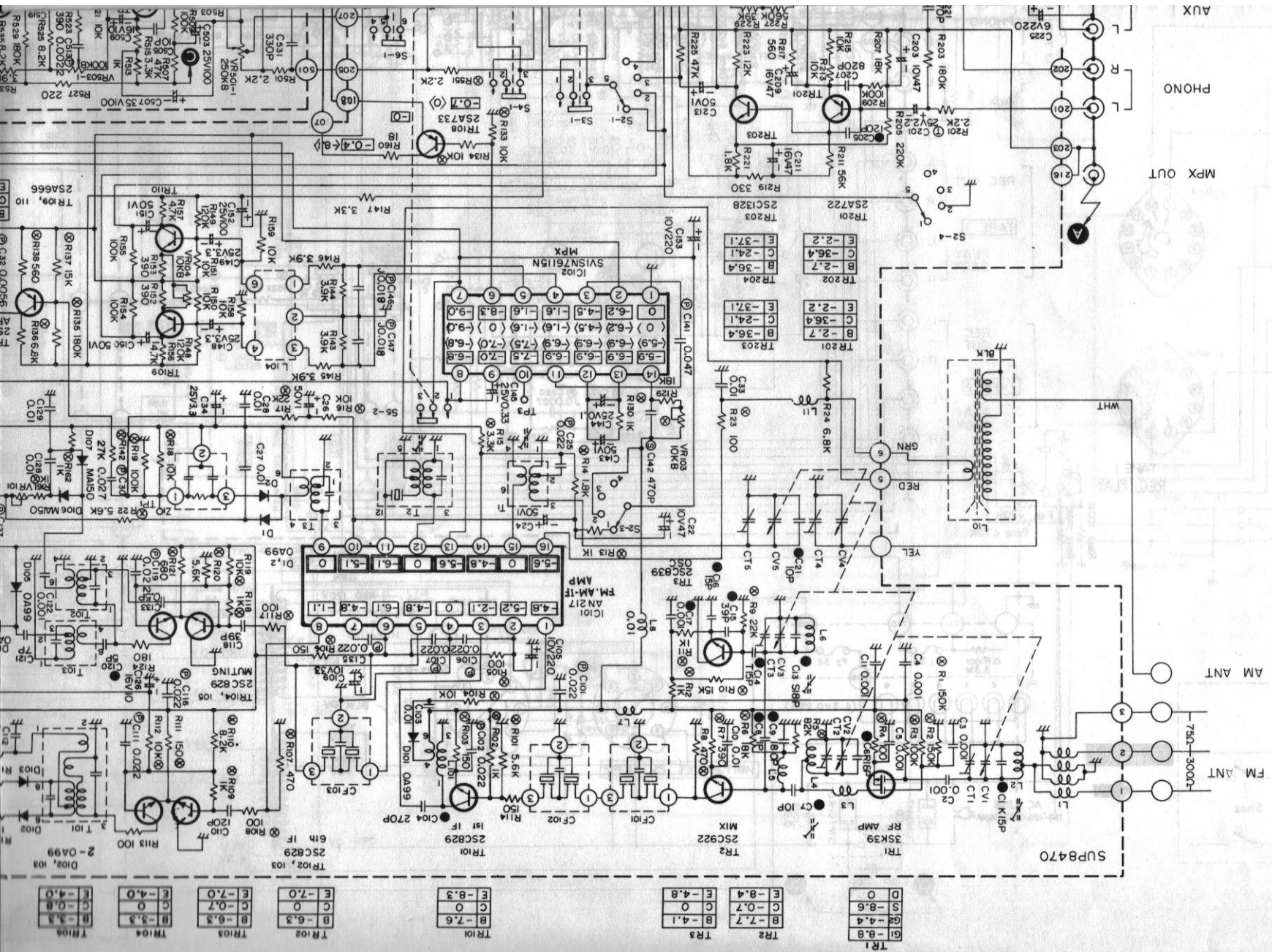


8	11	-	8
7	19	-	9
6	0	-	5
5	17	-	3
4	25	-	1
3	48	-	
2			
1			

Schematic Diagram

Model SA-5550

(This schematic diagram may be modified at any time)



	FM MONO		FM STEREO		FM MONO		FM STEREO	
	1	2	3	4	5	6	7	
1	0 V	0 V	0 V	8 -	8.7 V	6.4 V	6.4 V	FM STEREO
2	-5.8 V	-5.7 V	9 -	6.6 V	-6.5 V	-6.5 V	-6.5 V	
3	-4.1 V	-4.1 V	10 -	7.1 V	-7.1 V	-7.1 V	-7.1 V	
4	-2.1 V	-2.1 V	11 -	6.6 V	-6.4 V	-6.4 V	-6.4 V	
5	-2.1 V	-2.1 V	12 -	6.5 V	-6.4 V	-6.4 V	-6.4 V	
6	0 V	-7.5 V	13 -	6.5 V	-6.4 V	-6.4 V	-6.4 V	
7	-8.7 V	-8.6 V	14 -	5.7 V	-5.7 V	-5.7 V	-5.7 V	

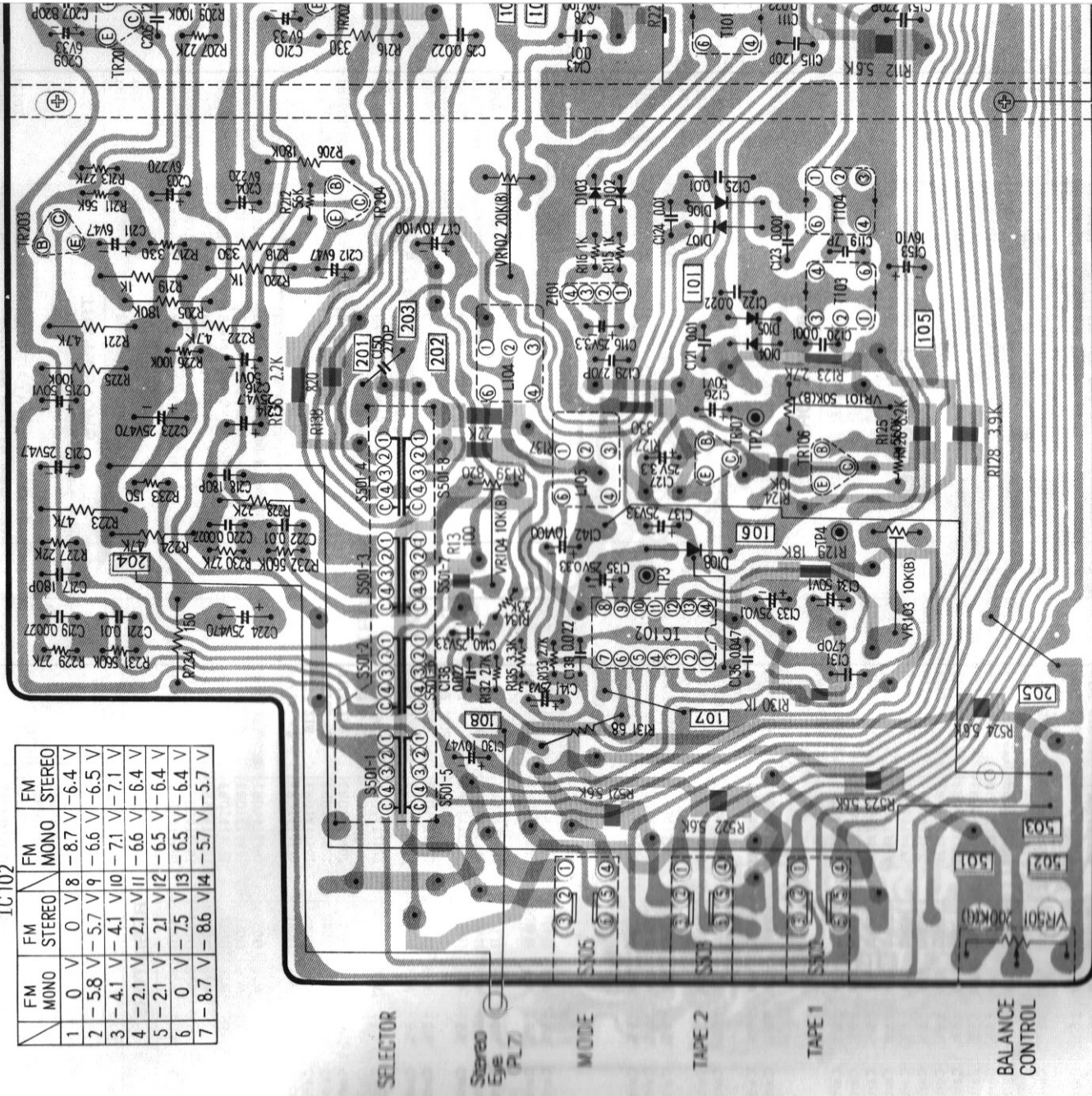
TR204	AF
C	8.11V
B	16.8 V
E	17.5V

TR203	AF
C	8.44V
B	16.7 V
E	17.6 V

TR202	AF
C	16.9 V
B	18.2 V
E	1.3 V

TR	
C	1K
B	1.1
E	1.1

IC 102



SA-5250

AC FUSE CIRCUIT BOARD

Bottom View)

Printed Resistor

Circuit View on Top of P.C.B.

TR201	AF
C	16.7 V
B	186 V
E	133 V

TR107	MUT OFF
C	-251 V -005V
B	-79 V -853V
E	-858V -8.58V

TR106	FM
C	-854V
B	-794V
E	-8.58V

TR105	FM
C	0 V
B	-349V
E	-4.2 V

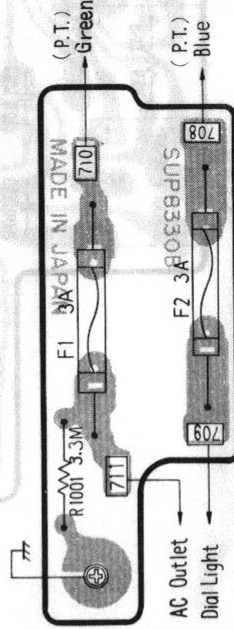
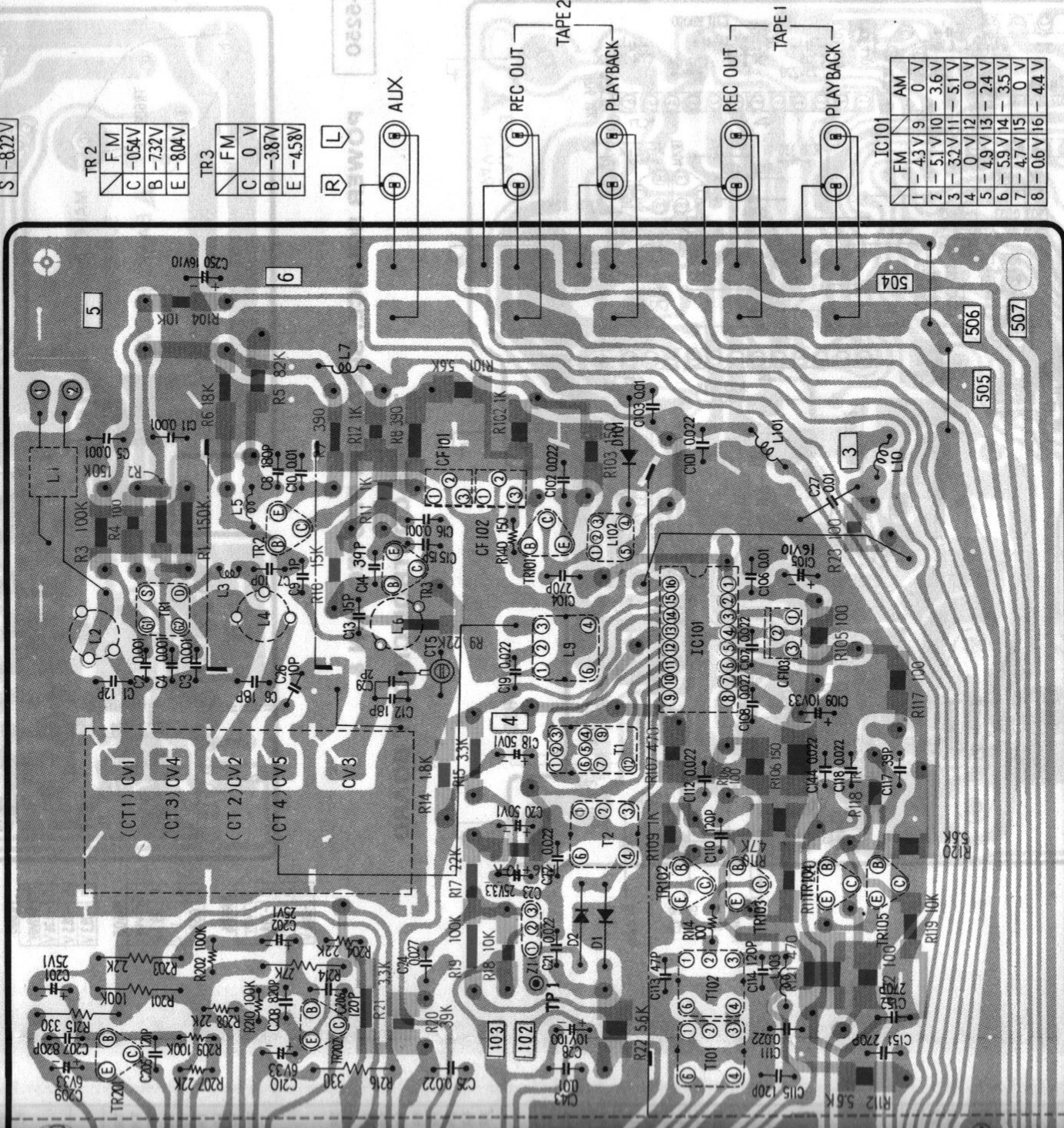
TR104	FM
C	-071V
B	-347V
E	-4.2 V

TR103	FM
C	-05V
B	-62 V
E	-6.9 V

TR102	FM
C	0 V
B	-62 V
E	-6.9 V

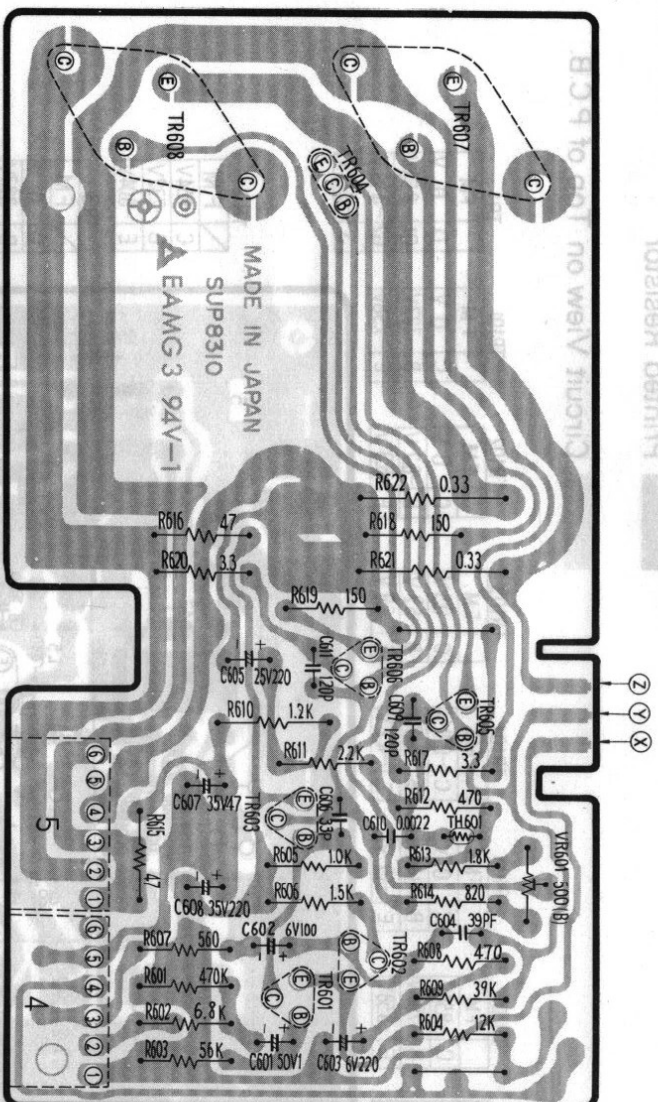
TR101	FM
C	0 V
B	-727V
E	-7.98V

TR1	FM
D	0 V
G1	-858V
G2	-4.29V
S	-8.22V



SA-5250

MAIN AMPLIFIER CIRCUIT BOARD L ch. or R ch.



TR601
Differential
C -285V
B 0 V
E 0.77V

TR602
Differential
C -22.5 V
B 0 V
E 0.77 V

TR603
Pre Driver
C -126V
B -28.5 V
E -28.3 V

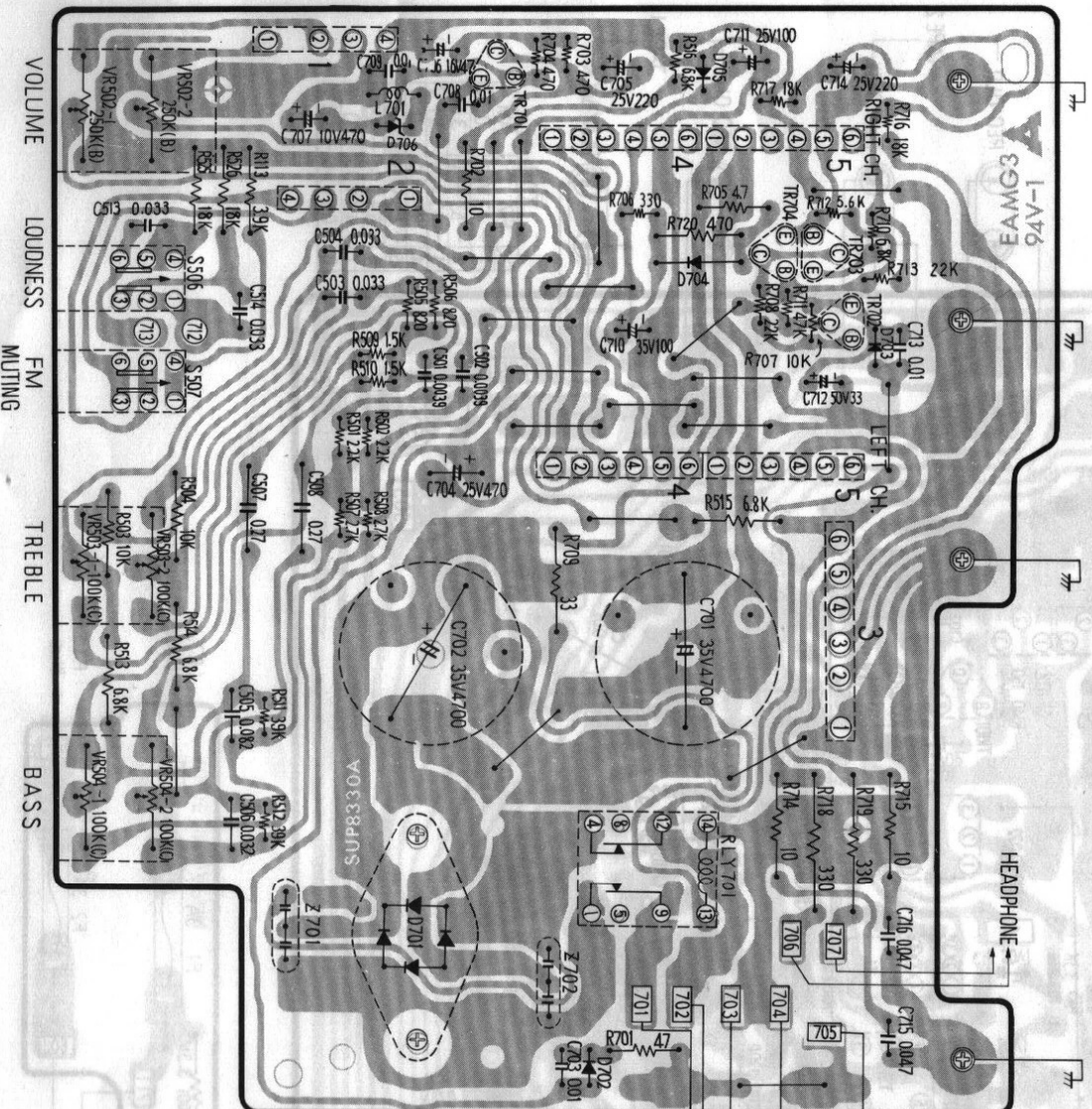
TR605
Driver
C 29.7V
B 1.1 V
E 0.58 V

TR606
Driver
C -29.8V
B -127V
E -0.66 V

SA-5250

POWER SOURCE, SPEAKERS PROTECTION &

TONE CONTROL CIRCUIT BOARD



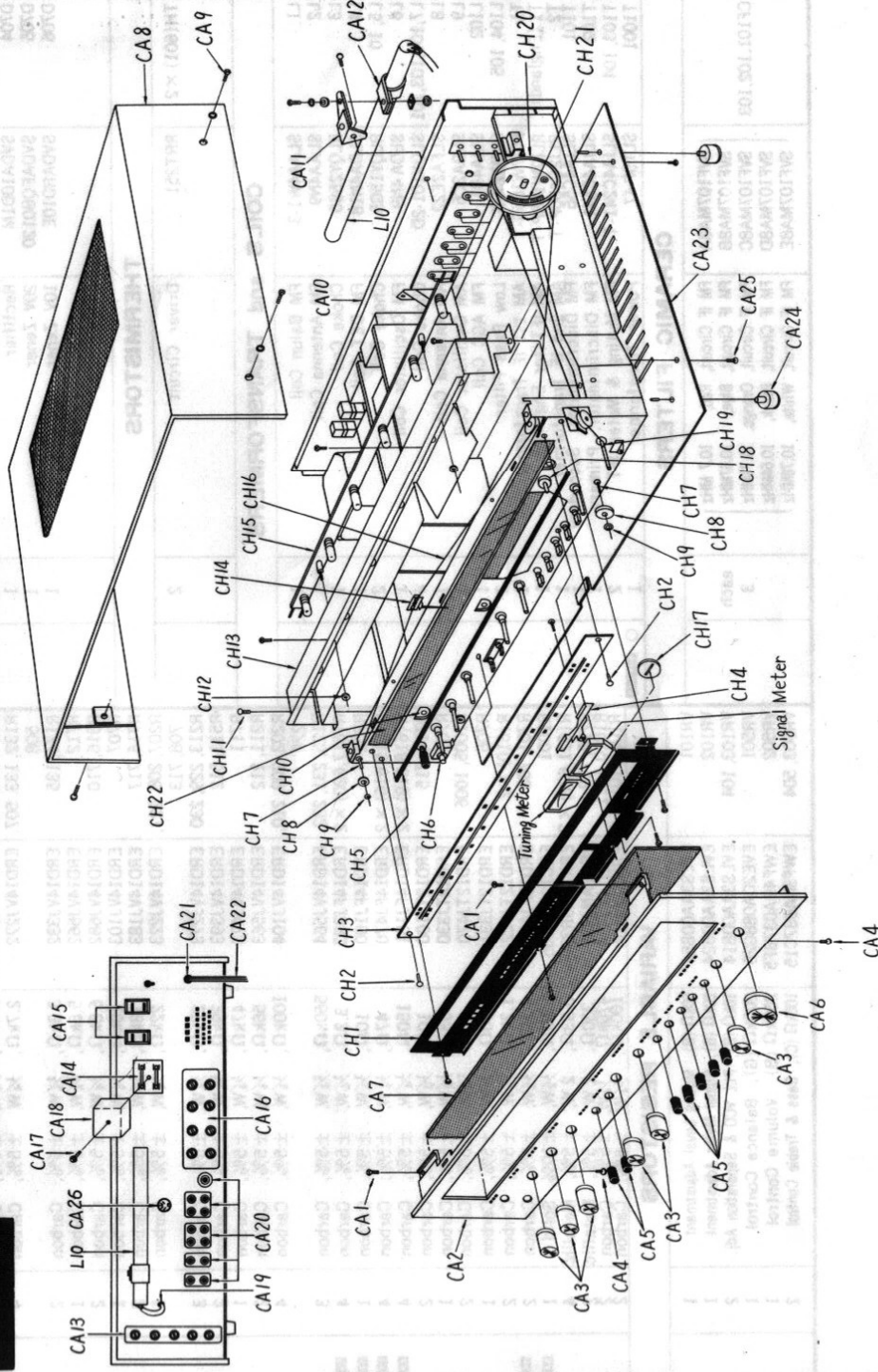
- NOTES: 1. Part numbers are indicated on most mechanical parts.
Please use this part number for parts orders.
2. **SAFETY** Indicates that only parts specified by the manufacturer be used for replacement in critical circuits.

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks	Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks	
INTEGRATED CIRCUITS					CERAMIC FILTERS					
IC101	AN217BB	FM IF, AM RF & AM IF Amplifier	1		CF101, 102, 103	SVF107MA8A	FM IF Circuit, Red. 10.7MHz	each 3		
IC102	SVISN76115N	PLL Type FM MPX	1			SVF107MA8B	FM IF Circuit, Blue. 10.67MHz			
						SVF107MA8C	FM IF Circuit, Orange. 10.73MHz			
						SVF107MA8D	FM IF Circuit, Black. 10.65MHz			
						SVF107MA8E	FM IF Circuit, White. 10.75MHz			
TRANSISTORS					RESISTORS					
TR1	3SK39-Q	FM RF Amplifier	1		R(615) × 2 R114 R124 R(612) × 2 R219, 220 R152, 153, 523, 524 R(614) × 2 R217, 218 R(610) × 2 R115, 116, (601) × 2 R(606, 607, 613) × 2 R221, 222, 707 R201, 202, 541, 542, (608) × 2 R147 R143,144,145,146 R 156, 157, 705 R525, 526 R150, 151, 158, 159, 213, 214, 215, 216, (603) × 2, 521 522 R223, 224 R703, 713 R207, 208, 543, 544 R230 R(609) × 2, 211, 212 R710, 539, 540 R154, 155, 209, 210, (602) × 2, (604) × 2, 624, 625, 626, 627 R148, 149, 715 R203, 204 R128 R225, 226 R113 R160 R714 R519, 520 R503, 504, 513, 514 R501, 502, 537, 538 R517, 518 R515, 516, 711 R533, 534, 718 R709 R717 R535, 536 R719 R628, 629, 716 R531, 532 R229 R507, 508 R511, 512	ERD14TJ4R7	4.7Ω, 1/4W, ±5%, Carbon	2		
TR2	2SC922-M	FM Mixer	1			ERD14TJ151	150Ω, 1/4W, ±5%, Carbon	1		
TR3	2SC839-H	FM Oscillator	1			ERD14TJ181	180Ω, 1/4W, ±5%, Carbon	1		
TR4, 109, 110	2SA666-Q	AM & FM AF Amplifier	3			ERD14TJ271	270Ω, 1/4W, ±5%, Carbon	1		
TR101 ~ 105	2SC829-C	FM-IF Amplifier	5			ERD14TJ331	330Ω, 1/4W, ±5%, Carbon	2		
TR106, 107	2SC945-P2	Muting Switching	1			ERD14TJ391	390Ω, 1/4W, ±5%, Carbon	4		
TR108	2SA733-MAP	Stereo Eye Switching	2			ERD14TJ471	470Ω, 1/4W, ±5%, Carbon	2		
TR203, 204	2SC1328-T	Equalizer Amplifier	2			ERD14TJ561	560Ω, 1/4W, ±5%, Carbon	2		
TR201, 202, 501, 502, 503, 504, 703, 705, 706, 707	2SA722-T	Equalizer, Tone Amplifier & Speaker Protection Switching	10			ERD14TJ821	820Ω, 1/4W, ±5%, Carbon	2		
TR(601, 602) × 2	2SA640AD-R	Differential Amplifier	4			ERD14TJ102	1kΩ, 1/4W, ±5%, Carbon	4		
TR(603) × 2	2SC1628-Y	Pre Driver Amplifier	2	○		ERD14TJ122	1.2kΩ, 1/4W, ±5%, Carbon	6		
TR(604) × 2	2SC828-R	Thermo Compensation	2			ERD14TJ182	1.8kΩ, 1/4W, ±5%, Carbon	3		
TR(605) × 2	2SD381-L9	Driver Amplifier { Use in Pairs }	2			ERD14TJ222	2.2kΩ, 1/4W, ±5%, Carbon	6		
TR(606) × 2	2SB536-L9	Driver Amplifier	2	○		ERD14TJ332	3.3kΩ, 1/4W, ±5%, Carbon	1		
TR(607) × 2	2SD426-R	Power Amplifier { Use in Pairs }	2	○		ERD14TJ392	3.9kΩ, 1/4W, ±5%, Carbon	2		
TR(608) × 2	2SB556-R	Ripple Filter & Relay Driver	2			ERD14TJ472	4.7kΩ, 1/4W, ±5%, Carbon	5		
TR701, 704	2SA684-Q	Ripple Filter	2			ERD14TJ822	8.2kΩ, 1/4W, ±5%, Carbon	2		
TR702	2SA794-R		1			ERD14TJ103	10kΩ, 1/4W, ±5%, Carbon	12		
DIODES										
D1, 2, 101, 104, 105	OA99	AM/FM, AGC & Muting Detector	5			ERD14TJ123	12kΩ, 1/4W, ±5%, Carbon	2		
D102, 103	2-OA99	FM Discriminator	1 Pair		ERD14TJ153	15kΩ, 1/4W, ±5%, Carbon	2			
D106 ~ 108	MA150	Meter Detector	3	○	ERD14TJ183	18kΩ, 1/4W, ±5%, Carbon	4			
D701	SVD6B6CTA	Rectifier	1		ERD14TJ393	39kΩ, 1/4W, ±5%, Carbon	1			
D703, 704, 707	SVD1A10D1M	Rectifier	3		ERD14TJ563	56kΩ, 1/4W, ±5%, Carbon	4			
D705	SVDEQA0124R	24V Zener	1		ERD14TJ683	68kΩ, 1/4W, ±5%, Carbon	3			
D706	SVDAE080109	9V Zener	1		ERD14TJ104	100kΩ, 1/4W, ±5%, Carbon	12			
D702	RVD1001	Rectifier	1							
THERMISTORS										
TH(601) × 2	RRT251	Driver Circuit	2		ERD14TJ124	120kΩ, 1/4W, ±5%, Carbon	3			
					ERD14TJ184	180kΩ, 1/4W, ±5%, Carbon	2			
					ERD14TJ564	560kΩ, 1/4W, ±5%, Carbon	1			
					ERD14TJ824	820kΩ, 1/4W, ±5%, Carbon	1			
					ERD14TJ473	47kΩ, 1/4W, ±5%, Carbon	1			
					ERD14VJ101	100Ω, 1/4W, ±5%, Carbon	1			
					ERD14VJ121	120Ω, 1/4W, ±5%, Carbon	1			
					ERD14VJ180	18Ω, 1/4W, ±5%, Carbon	1			
					ERD14VJ561	560Ω, 1/4W, ±5%, Carbon	1			
					ERD14VJ821	820Ω, 1/4W, ±5%, Carbon	2			
					ERD14VJ102	1kΩ, 1/4W, ±5%, Carbon	4			
					ERD14VJ222	2.2kΩ, 1/4W, ±5%, Carbon	4			
					ERD14VJ272	2.7kΩ, 1/4W, ±5%, Carbon	2			
					ERD14VJ332	3.3kΩ, 1/4W, ±5%, Carbon	3			
					ERD14VJ392	3.9kΩ, 1/4W, ±5%, Carbon	3			
					ERD14VJ472	4.7kΩ, 1/4W, ±5%, Carbon	1			
					ERD14VJ562	5.6kΩ, 1/4W, ±5%, Carbon	1			
					ERD14VJ822	8.2kΩ, 1/4W, ±5%, Carbon	2			
					ERD14VJ123	12kΩ, 1/4W, ±5%, Carbon	1			
					ERD14VJ183	18kΩ, 1/4W, ±5%, Carbon	3			
					ERD14VJ223	22kΩ, 1/4W, ±5%, Carbon	1			
					ERD14VJ393	39kΩ, 1/4W, ±5%, Carbon	2			
					ERD14VJ473	47kΩ, 1/4W, ±5%, Carbon	2			
					ERD14VJ563	56kΩ, 1/4W, ±5%, Carbon	2			
COILS and TRANSFORMERS										
L1	SLAA4W1-3	FM Balun Coil	1		ERD14VJ124	120kΩ, 1/4W, ±5%, Carbon	3			
L2	SLAA4N9	FM Antenna Coil	1		ERD14TJ184	180kΩ, 1/4W, ±5%, Carbon	2			
L3	RLQY25S5	Choke Coil	1		ERD14TJ564	560kΩ, 1/4W, ±5%, Carbon	1			
L4	SLDA4N18	FM DET Coil	1		ERD14TJ824	820kΩ, 1/4W, ±5%, Carbon	1			
L5, 11	RLQY15G5	Choke Coil	2		ERD14TJ473	47kΩ, 1/4W, ±5%, Carbon	1			
L6	SLOA4N9	FM Oscillator Coil	1		ERD14VJ101	100Ω, 1/4W, ±5%, Carbon	1			
L7, 8, 102, 103, 701	SLQX101-2D	Choke Coil	5		ERD14VJ121	120Ω, 1/4W, ±5%, Carbon	1			
L10	SLFA2E22	AM Antenna Coil	1		ERD14VJ180	18Ω, 1/4W, ±5%, Carbon	1			
L101	SLIA4B1	FM AGC Coil	1		ERD14VJ561	560Ω, 1/4W, ±5%, Carbon	1			
T1	SLOA2C6	AM Oscillator Coil	1		ERD14VJ821	820Ω, 1/4W, ±5%, Carbon	2			
T2	RL17W105S-T	AM 1st IF Transformer	1		ERD14VJ102	1kΩ, 1/4W, ±5%, Carbon	4			
T3	RL12C450P-T	AM 2nd IF Transformer	1		ERD14VJ222	2.2kΩ, 1/4W, ±5%, Carbon	4			
T101	SLIA4D51-T	FM Discriminator	1		ERD14VJ272	2.7kΩ, 1/4W, ±5%, Carbon	2			
T102, 103	SLIA4C241-T	Muting & Meter IF Transformer	2		ERD14VJ332	3.3kΩ, 1/4W, ±5%, Carbon	3			
L104	SLMA1Z3-K	Low Pass Filter	1		ERD14VJ392	3.9kΩ, 1/4W, ±5%, Carbon	3			
T1001	SLTS53	Power-Transformer	1	○ SAFETY	ERD14VJ472	4.7kΩ, 1/4W, ±5%, Carbon	1			

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks	Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
CA8(BLK)	SKA7811	Cabinet (Black Wood)	1	○	CH19	SDTA10-2S	Tuning Shaft, with Flywheel	1	○
CA9(BLK)	XS84+16FZS	Screw, Black Cabinet M'tg.	4		CH20	SDDA471S	Drum, Tuning	1	
CA9(BRN)	XS84+16BVC5	Screw, Brown Cabinet M'tg.	4		CH21	SDDA4121	Drum	1	
CA10	SGPA710-1A	Rear Panel	1	○	CH22	XXAR3H6S	Screw, Drum M'tg.	2	
CA11	SMA197	Mounting, AM Antenna Coil	1			SHRA919	Lock Pin, Dial Light Filter	3	
CA12	SMAA6-2	Band, AM Antenna Coil	1			SJSA65	Socket, Main Amp. p.c.b. Connector	4	
CA13	SJFA4501	Terminal, Ext. Antenna	1		ACCESSORIES				
CA14	SJFA5201-1	Holder, Circuit Protection Fuse	1		A1	SSAA3	FM Antenna Cord	1	
CA15	SJSA66-1	Socket, AC Outlet	2		A2	XBASA1A5001	Circuit Protection Fuse, 5A	2	
CA16	SJFA4803-1	Terminal, Speakers	1		A3	RJP5	Pin Plug	4	
CA17	XSN26+12	Screw, Fuse Cap M'tg.	1		A4	RJP16AS	AC Plug	1	
CA18	SJFA5202-1	Fuse Cap	1		A5	RJP17AS	AC Plug	1	
CA19	RHR106	Bushing, AM Antenna Lead Wire	1		PACKING PARTS				
CA20	SJFA3020-1	Terminal, Input & Tape Monitor	1		P1	SPPA14	Soft Cover	1	
CA21	RHR111	AC Cord	1		P2	SPS5	Pad, AM Bar Antenna	1	
CA22	SJAA3-1	AC Cord	1		P3	SPP465	Polyethylene Bag	1	
(Holland)	RJP3A	AC Plug (Only for Holland)	1		P4	SPS7	Pad, Left Side	1	
CA23	SYU39	Bottom Board	1		P5	SPS9	Pad, Right Side	1	
CA24	SKL145	Leg	4		P6	SPS101	Pad, Bottom Side	1	
CA25	XTV3+8CR	Red Screw, Bottom Board M'tg.	8		P7	SPN5089	Carton Box, Inner	1	
CA26	RJS31-1	DIN Socket, Tape Monitor	1		P8	SQF987	Printed Matter, Complete	1	
					P9	SPG519	Carton Box, Outer	1	
					P10	SPS103	Pad, Corner	4	
					P11	SPS105	Pad, Upper	1	
CHASSIS PARTS									
CH1	SDH113-1	Mounting, Meter & Dial Scale	1	○	PACKING PARTS (for Germany & Holland)				
CH2	SHRA916-1	Lock Pin, Dial Scale	2	○	P1	SPPA14	Soft Cover	1	
CH3	SKD2310	Dial Scale	1	○	P2	BPS5	Pad, AM Bar Antenna	1	
CH4	SMMA10-1	Mounting, Meter	1	○	P3	SPP465	Polyethylene Bag	1	
CH5	SUM1	Mounting, Dial Scale	1		P4	SPS7	Pad, Left Side	1	
CH6	SJJA16	Jack, Headphones	6		P5	SPS9	Pad, Right Side	1	
CH7	RDY34	Shaft, Pulley	5		P6	SPS51	Pad, Bottom Side	1	
CH8	RDR20	Pulley, Dial Cord	1		P7	SPG521	Carton Box	1	
CH9	RNW150-2	Lock Washer, Pulley	5		P8(Germany)	SQF987	Printed Matter (only for Germany)	1	
CH10	SDU1	Filter, Dial Light	4		P9	.....	Deletion	.....	
CH11	XTV3+8CK	Black Screw, Lamp House M'tg.	2	○	P10	.....	Deletion	.....	
CH12	XMG3CS	Nut, Lamp Holder M'tg.	1		P11	.....	Deletion	.....	
CH13	SMP231	Lamp House	1						
CH14	SDPA8	Pointer, Dial	1						
CH15	SJSA206	Holder, Dial, Lamp	1						
CH16	SDZ051-1	Cord, Dial (230cm (90%"))	1 roll						
CH17	SL51	Orange Filter, Stereo Indicator	1						
CH18	SHGA204	Bracket, Stereo, Eye	1						

SA-5550

CABINET & CHASSIS PARTS LOCATION



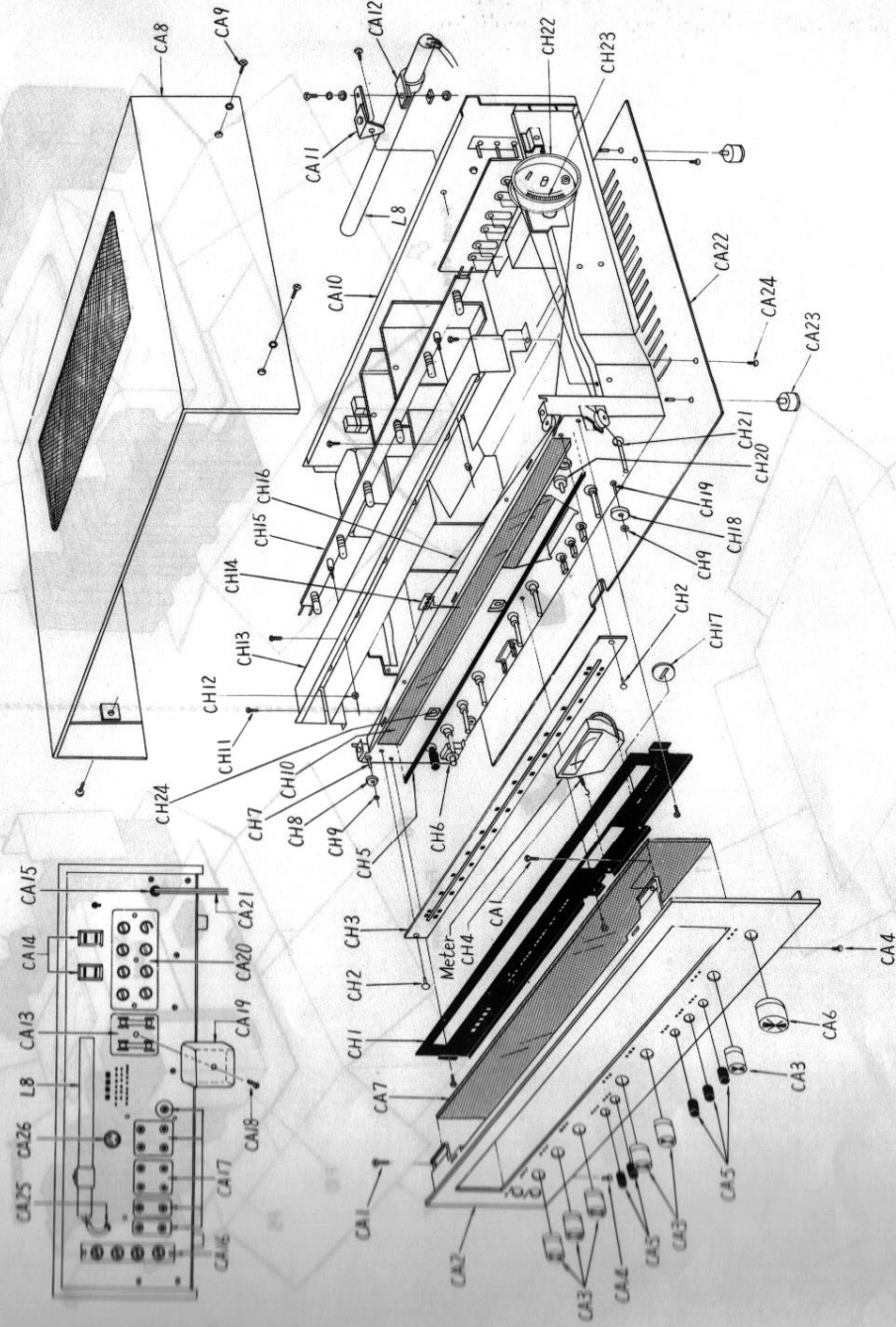
Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks	Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
R505, 506, 509, 510	ERD14VJ104	100kΩ, 1/4W, ±5%, Carbon	4		C(604) × 2	ECEA6V47L	47μF, 6.3WV, Electrolytic	2	
R529, 530	ERD14VJ184	180kΩ, 1/4W, ±5%, Carbon	2		C225	ECEA6V220L	220μF, 6.3WV, Electrolytic	1	
R205, 206	ERD14VJ224	220kΩ, 1/4W, ±5%, Carbon	2		C109, 720	ECEA10V33L	33μF, 10WV, Electrolytic	2	
R545, 546	ERD14VJ824	820kΩ, 1/4W, ±5%, Carbon	2		C22, 203, 204	ECEA10V47L	47μF, 10WV, Electrolytic	3	
R228	ERD14VJ564	560kΩ, 1/4W, ±5%, Carbon	1		C131, 511, 512, 716	ECEA10V100L	100μF, 10WV, Electrolytic	4	
R 617, 621) × 2	ERD14FJ100	100Ω, 1/4W, ±5%, Carbon	4		C105, 153, 719	ECEA10V220L	220μF, 10WV, Electrolytic	3	
R 618, 619) × 2	ERD14FJ680	680Ω, 1/4W, ±5%, Carbon	2		C721	ECEA10V470L	470μF, 16WV, Electrolytic	1	
R 620) × 2	ERD14FJ101	100Ω, 1/4W, ±5%, Carbon	1		C126, 509	ECEA16V10L	10μF, 16WV, Electrolytic	5	
R706	ERD14FJ121	120Ω, 1/4W, ±5%, Carbon	1		510, 519, 520	ECEA16V47L	47μF, 16WV, Electrolytic	4	
R 616) × 2	ERD14FJ221	220Ω, 1/4W, ±5%, Carbon	2		C722	ECEA16N220	220μF, 16WV, Non-Polar	1	
R702	ERD12TJ472	470kΩ, 1/4W, ±5%, Carbon	1		C114, 115, 148, 149, 34	ECEA25V3R3L	3.3μF, 25WV, Electrolytic	5	
R712	ERGIANJ391	390Ω, 1W, ±5%, Metallic	1		C525, 526	ECEA25V33L	33μF, 25WV, Electrolytic	2	
R704	ERD18FJ4R7	4.7kΩ, 1/4W, ±5%, Carbon	1		C720	ECEA25V4R7L	4.7μF, 25WV, Electrolytic	1	
R701	ERC12ZGK335	3.3MΩ, 1/2W, ±10%, Solid	2		C152, 503, 504, 705	ECEA25V100L	100μF, 25WV, Electrolytic	4	
R630, 631	ERG2ANJ331	330Ω, 2W, ±5%, Metallic	1		C507, 508	ECEA35V100L	100μF, 35WV, Electrolytic	4	
R708	ERG5ANJ331	330Ω, 5W, ±5%, Metallic	1		C715	ECEA35V470L	470μF, 35WV, Electrolytic	1	
R632, 633	ERX1ANJ100	100Ω, 1W, ±5%, Metallic	2		C24, 26, 125	ECEA50V1G	1μF, 50WV, Electrolytic	14	
R 622, 623) × 2	ERF5AKR47	0.47Ω, 5W, ±10%, Non-Flammable Wire	4		C219, (606) × 2	ECEA50V47L	47μF, 50WV, Electrolytic	1	
R24	ERD14TJ682	6.8kΩ, 1/4W, ±5%, Carbon	1		C724	ECEA50V33L	33μF, 50WV, Electrolytic	5	
R1001, 1002	ERD14TJ474	470kΩ, 1/4W, ±5%, Carbon	2		C(609) × 2	ECEA50V47V	47μF, 50WV, Electrolytic	2	
R1003, 1004	ERD14TJ104	100kΩ, 1/4W, ±5%, Carbon	2		C220, 710	ECEA50V100L	100μF, 50WV, Electrolytic	2	
VARIABLE RESISTORS									
R 617, 621) × 2	EVL33AA00B24	20kΩ (B), Meter Adjustment	1		C708	ECEA50V220L	220μF, 50WV, Electrolytic	1	
R 618, 619) × 2	EVL33AA00B54	50kΩ (B), Meter Adjustment	1		C144	ECEA50V470L	470μF, 50WV, Electrolytic	1	
R 620) × 2	EVL33AA00B14	10kΩ (B), VCO & Separation Adjustment	2		C145	ECEA50V25WV	25μF, 50WV, Electrolytic	1	
R 622, 623) × 2	EWFA9A037BF5	250kΩ (B), Volume Control	1		C201, 202	ECEA50V47L	47μF, 50WV, Electrolytic	2	
R 624, 625) × 2	EVEZDA088G25	200kΩ (G), Balance Control	2		C31, 124	ECEA50V47L	47μF, 50WV, Electrolytic	2	
R 626, 627) × 2	EWZF20AF30B15	100kΩ (B), Bass & Treble Control	2		VARIABLE CAPACITORS				
R 628, 629) × 2	EVL50AA00B24	20kΩ (B), DC Unbalance Adjustment	2		C133	ECDD1H0R50C	0.5pF, 50WV, ±0.25pF, Ceramic	1	
R 630, 631) × 2	EVL50AA00B52	500Ω (B), ICQ Adjustment	2		C8	ECDD1H0100C	1pF, 50WV, ±0.25pF, Ceramic	1	
CAPACITORS									
C139	ECDD1H0500C	5pF, 50WV, ±0.25pF, Ceramic	1		C129	ECDD1H0500C	5pF, 50WV, ±0.25pF, Ceramic	1	
C131	ECDD1H0700C	7pF, 50WV, ±0.25pF, Ceramic	1		C121	ECDD1H1000C	10pF, 50WV, ±0.25pF, Ceramic	1	
C63, 635	ECDD1H2200C	22pF, 50WV, ±0.25pF, Ceramic	2		C63, 635	ECDD1H2200C	22pF, 50WV, ±0.25pF, Ceramic	2	
C14	ECDD1H1500C	15pF, 50WV, ±0.25pF, Ceramic	1		C14	ECDD1H1500C	15pF, 50WV, ±0.25pF, Ceramic	1	
C145	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1		C145	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1	
C5	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1		C5	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1	
C13	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1		C13	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1	
C15, 118	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1		C15, 118	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1	
C1603	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1		C1603	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1	
C1601	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1		C1601	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1	
C114, 112, 113, 114, 205, 206	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	6		C114, 112, 113, 114, 205, 206	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	6	
C9	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1		C9	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1	
C104, 117, 119, 221	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	4		C104, 117, 119, 221	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	4	
C1608	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1		C1608	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1	
C1610, 211	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	2		C1610, 211	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	2	
C207, 208	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	4		C207, 208	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	4	
C2, 3, 4, 5, 11, 17, 122	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	9		C2, 3, 4, 5, 11, 17, 122	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	9	
C531, 532	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	2		C531, 532	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	2	
C10, 27, 28, 31, 103, 123, 128, 129, 711, 712, 713, 714, 717	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	14		C10, 27, 28, 31, 103, 123, 128, 129, 711, 712, 713, 714, 717	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	14	
C708	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1		C708	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1	
C217, 218	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	2		C217, 218	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	2	
C513, 514	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	2		C513, 514	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	2	
C215, 216	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	2		C215, 216	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	2	
C32	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1		C32	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1	
C529, 530	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	2		C529, 530	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	2	
C25, 101, 102, 106	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	13		C25, 101, 102, 106	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	13	
C107, 108, 111, 116, 135, 119, 127, 527, 528	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1		C107, 108, 111, 116, 135, 119, 127, 527, 528	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1	
C146, 147	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1		C146, 147	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1	
C30	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1		C30	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1	
C223, 224, 515, 516, 517, 518	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	3		C223, 224, 515, 516, 517, 518	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	3	
C141, 613, 614	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	2		C141, 613, 614	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	2	
C1001, 1002	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1		C1001, 1002	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1	
C142	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1		C142	ECDD1H1800C	18pF, 50WV, ±0.25pF, Ceramic	1	

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks	Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
VR (601) × 2	EVL50AA00852	500Ω (B), ICQ Adjustment	2		Z1	EXAF203Z471	AM Detector	1	
					Z101	EXA5DL04C	FM Detector	1	
					Z701, 702	RXAF103P22HD	Hum Cancel, 0.01μF(×2), 500WV	2	XXXX
CAPACITORS									
C9	ECCD1H010CC	1pF, 50WV, ±0.25pF, Ceramic	1		S501	SSRA81	Selector Switch	1	
C29	ECCD1H020CC	2pF, 50WV, ±0.25pF, Ceramic	1		S502, 503, 505	SSH303S	Tape 1, 2 & Mode Switch	1	○
C119	ECCD1H070DC	7pF, 50WV, ±0.5pF, Ceramic	1		S506, 507	SSH456S	Loudness & Muting Switch	1	
C7, 26	ECCD1H100KC	10pF, 50WV, ±10%, Ceramic	2		S1001	ESRCL24F30CE	Speakers Selector Switch	1	
C1	ECCD1H120KC	12pF, 50WV, ±10%, Ceramic	1		S1002	ESB7040T	Power Switch (with Button)	1	XXXX
C13, 15	ECCD1H150KC	15pF, 50WV, ±10%, Ceramic	2		S1002 (England)	ESB7051	Power Switch (for England)	1	XXXX
C6	ECCD1H180KR	18pF, 50WV, ±10%, Ceramic	1		S1003	SSRA71S	Voltage Selector Switch	1	XXXX
C12	ECCD1H180KS	18pF, 50WV, ±10%, Ceramic	1		RELAY and METER				
C14, 117	ECCD1H390KC	39pF, 50WV, ±10%, Ceramic	2		RLY701	SSYA1	Speaker Protection Relay	1	
C(604) × 2	ECCD1H470KR	47pF, 50WV, ±10%, Ceramic	2			SSMA25-2	Signal Meter	1	
C(606) × 2	ECCD1H330K	33pF, 50WV, ±10%, Ceramic	2		FUSES and LIGHTS				
C110, 114, 115, 215, 206	ECCD1H121K	120pF, 50WV, ±10%, Ceramic	5		F1, 2	XBAS2B3002	3A Fuse, Power Source	2	XXXX
C8, 217, 218	ECCD1H181K	180pF, 50WV, ±10%, Ceramic	3		F3, 4	XBAS1A3301	3.3A Fuse, Circuit Protection	2	XXXX
C104, 129, 150, 151, 152	ECCD1H271K	270pF, 50WV, ±10%, Ceramic	5		F5 (England)	XBAS1B1002	1A Fuse (for England)	1	XXXX
C(609, 611) × 2	ECCD2H121K	120pF, 500WV, ±10%, Ceramic	4		F6	XBAS2B1501	1.5A Fuse, Power Source	1	XXXX
C207, 208	ECKD1H821KB	820pF, 50WV, ±10%, Ceramic	2		PL1-6	XAM35K	Dial Lamp, 6.3V 0.25A	6	XXXX
C2, 3, 4, 5, 11, 16, 120, 123	ECKD1H102PF	0.001μF, 50WV, ±100%, Ceramic	8		PL7	XAMR38S150A	Stereo Eye, 6.3V 40mA	1	XXXX
C(610) × 2	ECKD1H222PF	0.002μF, 50WV, ±100%, Ceramic	2		CABINET PARTS				
C10, 103, 106, 121, 124, 703, 708, 709, 713	ECKD1H103PF	0.01μF, 50WV, ±100%, Ceramic	9		CA1	XTS3+8BK	Black Screw, Panel M'tg.	2	
C21, 22, 122	ECKD1H223PF	0.022μF, 50WV, ±100%, Ceramic	3		CA2	SGW6350	Front Panel	1	○
C27, 125	ECKD2H103PF	0.01μF, 50WV, ±100%, Ceramic	2		CA3	SBNA116E	Knob, Speakers, Selector Switch Bass	6	
C1001	ECQJ2A103MD	0.001μF, 250VAC, ±20%, Polyester	1		CA4	XTV3+8CK	Treble, Balance, Volume Control	2	
C25	ECQM05222KZ	0.0022μF, 50WV, ±10%, Polyester	1		CA5	SBCA56	Black Screw, Panel M'tg.	5	
C219, 220	ECQM05272JZ	0.0027μF, 50WV, ±5%, Polyester	2		CA6	SNBA131E	Button, Push Switches	2	
C501, 502, 511, 512	ECQM05392KZ	0.0039μF, 50WV, ±10%, Polyester	4		CA7	SGUA34	Knob Tuning	1	
C221, 222	ECQM05103JZ	0.01μF, 50WV, ±5%, Polyester	2		CA8 (BRN)	SKAA830	Glass Plate	1	
C143	ECQM05103KZ	0.01μF, 50WV, ±10%, Polyester	1		CA8 (BLK)	SKAA830-1	Cabinet (Brown Wood)	1	
C19, 101, 102, 107, 108, 111, 112, 118, 144, 138, 139	ECQM05223KZ	0.022μF, 50WV, ±10%, Polyester	11		CA9 (BLK)	XSB4+16KS	Cabinet (Black Wood)	1	
C24	ECQM05273KZ	0.027μF, 50WV, ±10%, Polyester	1		CA9 (BRN)	XSB4+16BVC	Screw, Black Cabinet M'tg.	4	
C503, 504, 513, 514	ECQM05333KZ	0.033μF, 50WV, ±10%, Polyester	4		CA10 (England)	SGPA680-1B	Screw, Brown Cabinet M'tg.	4	
C136, 715, 716	ECQM05473KZ	0.047μF, 50WV, ±10%, Polyester	3		CA11	SMA197	Rear Panel (for England)	1	○
C505, 506	ECQM05823KZ	0.082μF, 50WV, ±10%, Polyester	2		CA12	SMAA6-2	Mounting, AM Antenna Coil	1	
C507, 508	ECQM05274KZ	0.027μF, 50WV, ±10%, Polyester	2		CA13	SJFA5201-1	Band, AM Antenna Coil	1	
C1002	ECQJ2A103MD	0.001μF, 250VAC, ±20%, Polyester	1		CA14	SJFA5201-1	Fuse Holder, Circuit Protection	1	
C131	ECQS1471JZ-K	470pF, 125WV, ±5%, Styrol	1		CA15 (England)	RHR111	Socket, AC Outlet	2	XXXX
C209, 210	ECEAGV33L	33μF, 6.3WV, Electrolytic	2		CA15 (England)	SHR113	Bushing, AC Cord	1	
C211, 212	ECEAGV47L	47μF, 6.3WV, Electrolytic	2		CA16	SJFA4401-2	Terminal, Antenna	1	
C(602) × 2	ECEAGV100L	100μF, 6.3WV, Electrolytic	2		CA17	SJFA3020-1	Terminal, Antenna	1	
C203, 204, (603) × 2	ECEAGV220L	220μF, 6.3WV, Electrolytic	4		CA18	XSN26+12	Terminal, Input	1	
C109	ECEA10V33L	33μF, 10WV, Electrolytic	1		CA19	SJFA5202-1	Screw, Fuse Cap M'tg.	1	
C130	ECEA10V47L	47μF, 10WV, Electrolytic	1		CA20	SJFA4803-1	Fuse Cap	1	
C17, 28, 142	ECEA10V100L	100μF, 10WV, Electrolytic	3		CA21 (Holland)	SJAA3-1	Terminal, Speakers	1	XXXX
C707	ECEA10V470L	470μF, 10WV, Electrolytic	1		CA21 (Holland)	RJP3A	AC Cord	1	
C105, 153, 250	ECEA16V10L	10μF, 16WV, Electrolytic	3		CA22 (England)	SJA73	AC Plug (Only for Holland)	1	XXXX
C706	ECEA16V47L	47μF, 16WV, Electrolytic	1		CA23	SKUA440	AC Cord (for England)	1	
C23, 116, 127, 137, 140, 141	ECEA25V3R3L	3.3μF, 25WV, Electrolytic	6		CA24	SKL145	Bottom Board	1	
C213, 214	ECEA25V47L	47μF, 25WV, Electrolytic	2		CA24	XTV3+8CFYR	Leg	4	
C711	ECEA25V100L	100μF, 25WV, Electrolytic	1		CA25	XSN3+6FYRS	Red Screw, Bottom Board M'tg.	5	
C705, 714, (605) × 2	ECEA25V220L	220μF, 25WV, Electrolytic	4		CA26	RHR106	Red Screw, Bottom Board M'tg.	1	
C223, 224, 704	ECEA25V470L	470μF, 25WV, Electrolytic	3			RJS31-1	Bushing, AM Antenna Lead Wire	1	
C(607) × 2	ECEA35V47L	47μF, 35WV, Electrolytic	2		CHASSIS PARTS				
C710	ECEA35V100L	100μF, 35WV, Electrolytic	1		CH1	SDHA60-1	Mounting, Meter & Dial Scale	1	○
C(608) × 2	ECEA35V220L	220μF, 35WV, Electrolytic	2		CH2	SHRA916-1	Lock Pin, Dial Scale	2	
C18, 20, 126, 134, 215, 216, (601) × 2	ECEA50V1G	1μF, 50WV, Electrolytic	8		CH3	SKDA530	Dial Scale	1	
C712	ECEA50V33L	33μF, 50WV, Electrolytic	1		CH4	SUSA69	Spring, Meter	1	
C133	ECAG25ER1X	0.1μF, 25WV, Electrolytic	1		CH5	SUMA8-1	Mounting, Dial Scale	1	
C135	ECAG25ER33X	0.33μF, 25WV, Electrolytic	1		CH6	SJJA16	Headphones Jack	1	
C201, 202	ECSZ25EF1	1μF, 25WV, Electrolytic	2		CH7	RDY34	Shaft, Pulley (RDR20)	4	
C701, 702	ECE135R4700Y	4700μF, 35WV, Electrolytic	2		CH8	RDR20	Pulley, Dial Cord	4	
VARIABLE CAPACITORS									
CV1-5 (CT1-4)	ECV5MX25X20G	Tuning Gang, AM/FM (with Trimmer)	1		CH9	RNW150-2	Lock Washer, Pulley	5	
CT5	ECV1ZW06P35	FM OSC Trimmer, 6pF	1		CH10	SDUA11	Filter, Dial Light	1	
COMPONENT COMBINATIONS									
					CH11	XTV3+8CK	Black Screw, Lamp House M'tg	4	
					CH12	XNG3CS	Nut, Lamp Holder M'tg.	2	
					CH13	SMPA59	Lamp House	1	
					CH14	SDPA8	Pointer, Dial	1	
					CH15	SJSA206	Holder, Dial Lamp	1	
					CH16	SDZ051-1	Cord, Dial (200cm (78 3/4"))	1 roll	
					CH17	SLG151	Orange Filter, Stereo Indicator	1	
					CH18	RDR23	Pulley, Dial Cord	1	
					CH19	RDY32	Shaft, Pulley (RDR23)	1	

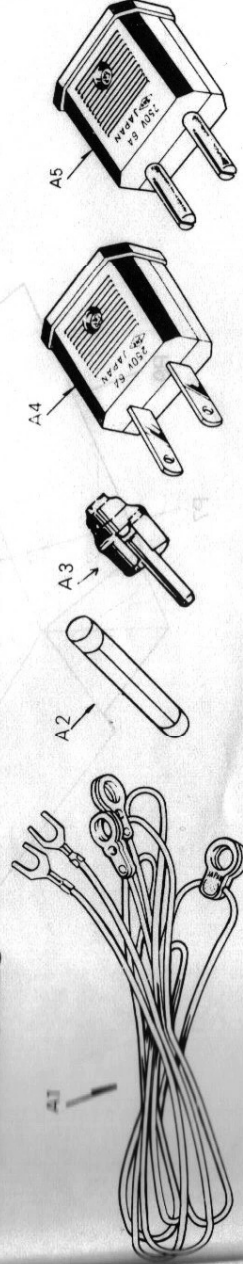
Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks	Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
CH20	SHGA204	Rubber Cushion, Stereo Eye	1		P5	SPS3	Pad, Right Side	1	
CH21	SDTA10-2S	Tuning Shaft, with Flywheel	1		P6	SPS13	Pad, Bottom Board	1	
CH22	SDDA471S	Drum, Tuning	1		P7	SPN5085	Carton Box, Inner	1	
CH23	SDSA4121	Spring, Drum	1		P8	SQF979	Printed Matter, Complete	1	
	XXAR346S	Screw, Drum M'tg.	2		P9	SPG511	Carton Box, Outer	1	
	SJS5405	4pin Socket, Lead Connector	2		P11	SPNA187	Pad, Upper Carton	1	
	SJS5503	6pin Socket, Lead Connector	1		PACKING PARTS (for Germany & England)				
	SJS41	Pin Clamp(SJS5405, SJS5603)	14		P1	SPPA16-1	Soft Cover	1	
CH24	SHPA919	Lock Pin, Dial Light Filter	3		P2	SPS5	Pad, AM Bar Antenna	1	
ACCESSORIES									
A1	SSAA3	FM Antenna Cord	1		P3	SPPI63	Polyethylene Bag	1	
A2	XBAS1A3301	Circuit Protection Fuse(3.3A)	2		P4	SPS1	Pad, Left Side	1	
A3	RJP5	Pin Plug	4		P5	SPS3	Pad, Right Side	1	
A4	RJP16AS	AC Plug Not Belong for England	1		P6	SPS13	Pad, Bottom Board	1	
A5	RJP17AS	AC Plug for England	1		P7	SPG513	Carton Box	1	
PACKING PARTS									
P1	SPPA16-1	Soft Cover	1		P8(Germany)	SQF979	Printed Matter (only for Germany)	1	
P2	SPS5	Pad, AM Bar Antenna	1		P8(England)	SQF983	Printed Matter (only for England)	1	
P3	SPPI63	Polyethylene Bag	1		P9		Deletion	1	
P4	SPS1	Pad, Left Side	1		P11		Deletion	1	

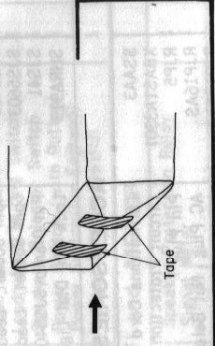
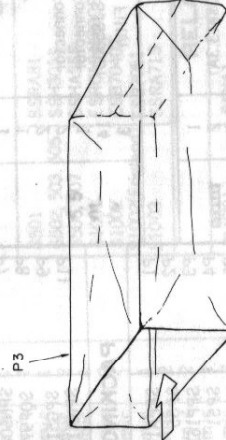
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CABINET & CHASSIS PARTS LOCATION



ACCESSORIES





SA-5550

