Wurfantenne 300 Ω

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 LIST.....Model 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
INTEGRATED CIRCUITS				
IC101	AN217BB	FM IF, AM RF & AM IF Amplifier	1	
IC102	SV1SN76115N	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	
TR101,102,103, 104,105	2SC829-C	FM IF Amplifier	5	
TR106, 107	2SC945-P2	FM Muting Switching	2	
TR201, 202	2SC1327-T	Equalizer Amplifier	2	
TR203, 204	2SA721-T	Equalizer Amplifier	2	
TR(601, 602) ×2	2SA666A-AD	Differential Amplifier(Use in Pairs)	4	
TR(603) ×2	2SC1573-Q	Pre Driver Amlifier	2	
TR(604) ×2	2SC828-R	Thermo Compensation	2	
TR(605) ×2	2SC1567-R	Driver Amplifier } Use in Pairs	2	
TR(606) ×2	2SA794-R	Driver Amplifier }	2	
TR(607) ×2	2SC1667Ⓢ-Q	Power Amplifier } Use in Pairs	2	
TR(608) ×2	2SA837Ⓢ-Q	Power Amplifier }	2	
TR701	2SA699-R	Ripple Filter	1	
TR702	2SA684-Q	Speaker Protection	1	
TR703, 704	2SC1318-R	Speaker Protection	2	
DIODES				
D1,2,101,104,105	OA99	AM & FM AGC Detector	5	
D102, 103	2-OA99	FM Discriminator	1 pair	
D106, 107, 108	MA150	FM Muting & Meter Detector	3	
D701	SVDAS2HB10	Rectifier	1	
D702, 703	RVD10D1	Rectifier	2	
D704	SVDA10D1M	Rectifier	1	
D705	SVDAEQB0120	20V Zener	1	
D706	SVDARD10E	10V Zener	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, 10	RLQY15G5	Choke Coil	2	
L6	SLOA4N9	FM Oscillator Coil	1	
L7,101,103,701	SLQX101-2D	Choke Coil	4	
L8	SLFA2E22	AM Antenna Coil	1	
L9	SLOA2C6	AM Oscillator Coil	1	
L102	SLIA4B1	FM AGC Coil	1	
L104, 105	SLM1Z7-K	Low Pass Filter •	2	
T1	RLI7W105S-T	AM 1st IF Transformer	1	
T2	RLI2C450P-T	AM 2nd IF Transformer	1	
T101	SLIA4C56	FM Discriminator, Secondary	1	
T102	SLIA4C541	FM Discriminator, Primary	1	
T103, 104	SLIA4C241-T	FM Muting & Meter IFT	2	
T1001	SLT5P47	Power Transformer	1	SAFETY
CERAMIC FILTERS				
CF101,102,103	SVF107MA8A	FM IF Circuit, Red, 10.7 MHz	each 3	
	SVF107MA8B	FM IF Circuit, Blue, 10.67MHz		
	SVF107MA8C	FM IF Circuit, Orange, 10.73MHz		
	SVF107MA8D	FM IF Circuit, Black, 10.64MHz		
	SVF107MA8E	FM IF Circuit, White, 10.76MHz		
VARIABLE RESISTORS				
VR101	EVLS3AA00B54	50kΩ (B), Muting Level Adjustment	1	
VR102	EVLS3AA00B24	20kΩ (B), Signal Meter Adjustment	1	
VR103, 104	EVLS3AA00B14	10kΩ (B), PLL VCO & Separation Adj.	2	
VR501	EVE2DA088G25	200kΩ (G), Balance Control	1	
VR502	EWF49A037BF5	250kΩ (B), Volume Control	1	
VR503, 504	EWF3NA037C15	100kΩ (C), Bass & Treble Control	2	
VR(601) ×2	EVLS0AA00B52	500Ω (B), ICQ Adjustment	2	
VARIABLE CAPACITORS				
CV1~5 (CT1~4)	ECV5MX25X20G	Tuning Gang, AM/FM (with Trimmer)	1	
CT5	ECV1ZW06P35	FM OSC Trimmer, 6pF	1	
COMPONENT COMBINATIONS				
Z1	EXAF203Z471	AM Detector	1	
Z101	EXA5DL04C	FM Detector	1	
Z701, 702	RXAF103P22HD	Hum Cancel, 0.01μF(×2), 500WV	2	SAFETY

Technics by Panasonic

Matsushita Electric Corp. of America — 50 Meadowlands Parkway, Secacus, N.J. 07094
Matsushita Electric Corp. of Hawaii, Inc. — 320, Waiakamilo Road Honolulu, Hawaii 96817
Matsushita Electric of Canada Ltd. — 40 Ronson Drive, Rexdale, Ont.

SA-5251

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
SWITCHES				
S501	SSRA81	Selector Switch	1	
S502, 503, 505	SSH303S	Tape 1, 2 & Mode Switch	1	
S506, 507	SSHA56S	Loudness & Muting Switch	1	
S1001	ESRC124F30CE	Speakers Selector Switch	1	
S1002	ESB7040T	Power Switch (with Button)	1	SAFETY
S1003	SSRA71S	Voltage Selector Switch	1	SAFETY
RELAY and METER				
RLY701	SSYA1	Speaker Protection Relay	1	
	SSMA25-2	Signal Meter	1	
FUSES and LIGHTS				
F1, 2	XBA2K30NS5	3A Fuse, Power Source	2	SAFETY
F3, 4	XBAS1A3301	3.3A Fuse, Circuit Protection	2	SAFETY
F6	XBA2K15NS5	1.5A Fuse, Power Source	1	SAFETY
PL1~6	**XAM35K**	Dial Lamp, 6.3V 0.25A	6	SAFETY
PL7	XAMR38S150A	Stereo Eye, 6.3V 40mA	1	SAFETY
CABINET PARTS				
CA1	XTS3+8BK	Black Screw, Panel M'tg.	2	
CA2	SGW6350	Front Panel	1	
CA3	SBNA116E	Knob, Speakers, Selector Switch Bass Treble, Balance, Volume Control	6	
CA4	XTV3+8CK	Black Screw, Panel M'tg.	2	
CA5	SBCA56	Button, Push Switches	5	
CA6	SBNA131E	Knob, Tuning	1	
CA7	SGUA34	Glass Plate	1	
CA8 (BLK)	SKAA830-1	Cabinet (Black Wood)	1	
CA9 (BLK)	XSB4+16KS	Screw, Black Cabinet M'tg.	4	
CA10	SGPA680-1BF	Rear Panel (with Name Plate)	1	○
	SGT11190	Name Plate (Model No. Label) Only	1	○
CA11	SMA197	Mounting, AM Antenna Coil	1	
CA12	SMAA6-2	Band, AM Antenna Coil	1	
CA13	**SJFA5201-1**	Fuse Holder, Circuit Protection	1	
CA14	SJSA66-1	Socket, AC Outlet	2	SAFETY
CA15	RHR111	Bushing, AC Cord	1	
CA16	SJFA4401-2	Terminal, Antenna	1	
CA17	SJFA3020-1	Terminal, Input	1	
CA18	XSN26+12	Screw, Fuse Cap M'tg.	1	
CA19	SJFA5202-1	Fuse Cap	1	
CA20	SJFA4803-1	Terminal, Speakers	1	
CA21	SJAA3-1	AC Cord	1	SAFETY
CA22	SKUA440	Bottom Board	1	
CA23	SKL145	Leg	4	
CA24	XTV3+8CFYR	Red Screw, Bottom Board M'tg.	5	
	XSN3+6FYRS	Red Screw, Bottom Board M'tg.	1	
CA25	RHR106	Bushing, AM Antenna Lead Wire	1	
CA26	RJS31-1	DIN Socket, Tape Monitor	1	

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
CHASSIS PARTS				
CH1	SDHA60-2	Mounting, Meter & Dial Scale	1	○
CH2	SHRA916-1	Lock Pin, Dial Scale	2	
CH3	SKDA530	Dial Scale	1	
CH4	SUSA69	Spring, Meter	1	
CH5	SUMA8-1	Mounting, Dial Scale	1	
CH6	SJJA16	Headphones Jack	1	
CH7	RDY34	Shaft, Pulley (RDR20)	4	
CH8	RDR20	Pulley. Dial Cord	4	
CH9	RNW150-2	Lock Washer, Pulley	5	
CH10	SDUA11	Filter, Dial Light	1	
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 (78¾")]	1 roll	
CH17	SGL51	Orange Filter, Stereo Indicator	1	
CH18	RDR23	Pulley, Dial Cord	1	
CH19	RDY32	Shaft, Pulley (RDR23)	1	
CH20	SHGA204	Rubber Cushion, Stereo Eye	1	
CH21	SDTA10-2S	Tuning Shaft, with Flywheel	1	
CH22	SDDA471S	Drum, Tuning	1	
CH23	SDSA4121	Spring, Drum	1	
	XXAR3H6S	Screw, Drum M'tg.	2	
	SJS5405	4pin Socket, Lead Connector	2	
	SJS5603	6pin Socket, Lead Connector	1	
	SJS41	Pin Clamp (SJS5405, SJS5603)	14	
CH24	SHRA919	Lock Pin, Dial Light Filter	3	
ACCESSORIES				
A1	SSAA3	FM Antenna Cord	1	
A2	XBAS1A3301	Circuit Protection Fuse (3.3A)	2	SAFETY
A3	RJP5	Pin Plug	4	
A4	RJP16AS	AC Plug	1	
A5	RJP17AS	AC Plug	1	
PACKING PARTS				
P1	SPPA16-1	Soft Cover	1	
P2	SPS5	Pad, AM Bar Antenna	1	
P3	SPP163	Polyethylene Bag	1	
P4	SPS1	Pad, Left Side	1	
P5	SPS3	Pad, Right Side	1	
P6	SPS13	Pad, Bottom Board	1	
P7	SPG533	Carton Box	1	○
P8	SQF1039	Printed Matter, Complete	1	○
P9	----------	Deletion	----------	----------
P11	----------	Deletion	----------	----------

■ CHANGE OF PARTS NO.

Ref. No.	Change of Part No. SA-5250 → SA-5251		Description	Per Set (Pcs.)
C138, 139	ECQM05223KZ	ECQM05393JZ	0.039μF, 50WV, ±5%, Polyester Capacitor	2
CA8	SKAA830	SKAA830-1	Cabinet, Black Wooden	1
CA9	XSB4+16BVCS	XSB4+16KS	Screw, Black Cabinet M'tg.	4
CA10	SGPA680-1B	SGPA680-1BF	Rear Panel (with Name Plate)	1
	----------	SGT11190	Name Plate (Technics by Panasonic Model SA-5251 Label)	1
CH1	SDHA60-1	SDHA60-2	Mounting, Meter & Dial Scale	1
P7	SPN5085	SPG533	Carton Box	1
P8	SQF979	SQF1039	Printed Matter	1
P9	SPG511	----------	Deletion, Inner Carton Box	----------
P11	SPNA187	----------	Deletion, Carton Box Upper Pad	----------

■ REPLACEMENT PARTS LIST.....Model No. SA5551 (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
INTEGRATED CIRCUITS				
IC101	AN217BB	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 Amplifer	2	
TR201, 202, 501, 502, 503, 504, 703, 705, 706, 707	2SA722-T	Equalizer, Tone Amplifier & Speaker Protection Switching	10	
TR(601,602) ×2	2SA640AD	Differential Amplifer (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	OA99	AM/FM, AGC & Muting Detector	5	
D102, 103	2-OA99	FM Discriminator	1 Pair	
D106~108	MA150	Meter Detector	3	
D701	SVD6B6CTA	Rectifier	1	
D703, 704, 707	SVDA10D1M	Rectifier	3	
D705	SVDEQA0124R	24V Zener	1	
D706	SVDAE0B0109	9V Zener	1	
D702	RVD10D1	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	SAFETY
CERAMIC FILTERS				
CF101, 102, 103	SVF107MA8A	FM IF Circuit, Red, 10.7MHz	each 3	
	SVF107MA8B	FM IF Circuit, Blue, 10.67MHz		
	SVF107MA8C	FM IF Circuit, Orange, 10.73MHz		
	SVF107MA8D	FM IF Circuit, Black, 10.64MHz		
	SVF107MA8E	FM IF Circuit, White, 10.76MHz		
VARIABLE RESISTORS				
VR101	EVLS3AA00B24	20kΩ (B), Meter Adjustment	1	
VR102	EVLS3AA00B54	50kΩ (B) Muting Level Adjustment	1	
VR103, 104	EVLS3AA00B14	10kΩ(B), VCO & Separation Adjustment	2	
VR501	EWF49A037BF5	250kΩ (B), Volume Control	1	
VR502	EVE2DA088G25	200kΩ (G), Balance Control	1	
VR503, 504	EWF2QAF30B15	100kΩ (B), Bass & Treble Control	2	
VR(601) ×2	EVLS0AA00B24	20kΩ (B), DC Unbalance Adjustment	2	
VR(602) ×2	EVLS0AA00B52	500Ω (B), ICQ Adjustment	2	
VARIABLE CAPACITORS				
CV1~5 (CT1~4)	ECV5MX25X20G	Tuning Gang. AM/FM (with Trimmer)	1	
CT3	ECV1ZW06P35	FM OSC Trimmer, 6pF	1	
COMPONENT COMBINATIONS				
Z1	EXAF203Z471	AM Detector	1	
Z101	EXA5DL04C	FM Detector	1	
Z701, 702	RXAF103P22HD	Hum Cancel. 0.01μF(×2). Ceramic	2	SAFETY
SWITCHES				
S1	ESB7037T	Power Source Switch	1	SAFETY
S2	SSR33	Selector Switch	1	
S3, 4, 5, 6, 9	SSHA60S	Mode, Tape Monitor, Muting & Loudness Push Switches	1	
S7, 8	SSHA56S	Low & High Filter Switch	1	
S10	ESRC124F30CE	Speakers Switch	1	
S11	SSRA7-1S	Voltage Selector Switch	1	SAFETY
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	SAFETY
F2	XBA1K30NS5	3A Fuse, Power Source	1	SAFETY
F3, 4		5A Fuse, Circuit Protection	2	SAFETY
F7	XBA2K25NS5	2.5A Fuse, Power Source	1	SAFETY
PL1~6	XAM35K	Dial Lamp. 6.3V 0.25A	6	SAFETY
PL7	XAMR38S150A	Stereo Eye. 6.3V 40mA	1	SAFETY
CABINET PARTS				
CA1	XTS3+8BK	Black Screw, Panel M'tg.	2	
CA2	SGW6310	Front Panel	1	
CA3	SBNA116E	Knob, Speakers. Bass. Treble. Volume. Balance & Selector	6	
CA4	XTV3+8CK	Black Screw, Panel M'tg.	2	
CA5	SBCA56	Button, Push Switches	7	
CA6	SBNA131E	Knob, Tuning Control	1	
CA7	SGU1	Glass Plate	1	
CA8(BLK)	SKA7811	Cabinet (Black Wood)	1	
CA9(BLK)	XSB4+16FZS	Screw, Black Cabinet M'tg.	4	
CA10	SGPA710-1AF	Rear Panel (with Name Plate)	1	○
	SGT11270	Name Plate (Model No. Label) only	1	○
CA11	SMA197	Mounting. AM Antenna Coil	1	
CA12	SMAA6-2	Band, AM Antenna Coil	1	
CA13	SJF4501	Terminal. Ext. Antenna	1	
CA14	SJFA5201-1	Holder, Circuit Protection Fuse	1	
CA15	SJSA66-1	Socket, AC Outlet	2	SAFETY
CA16	SJFA4803-1	Terminal, Speakers	1	
CA17	XSN26+12	Screw, Fuse Cap M'tg.	1	
CA18	SJFA5202-1	Fuse Cap	1	
CA19	RHR106	Bushing. AM Antenna Lead Wire	1	
CA20	SJFA3020-1	Terminal, Input & Tape Monitor	1	
CA21	RHR111	Bushing. AC Cord	1	
CA22	SJAA3-1	AC Cord	1	SAFETY
CA23	SYU39	Bottom Board	1	
CA24	SKL145	Leg	4	
CA25	XTV3+8CR	Red Screw, Bottom Board M'tg.	8	
	XSN3+8RS	Red Screw, Bottom Board M'tg.	1	
CA26	RJS31-1	DIN Socket, Tape Monitor	1	

SA-5551

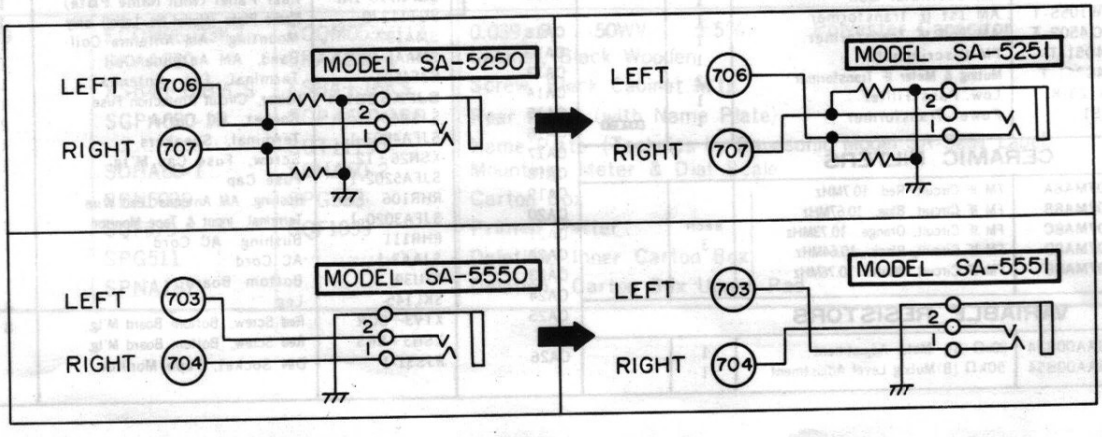
Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
CHASSIS PARTS				
CH1	SDH113-2	Mounting, Meter & Dial Scale	1	
CH2	SHRA916-1	Lock Pin, Dial Scale	2	
CH3	SKD2310	Dial Scale	1	
CH4	SMMA10-1	Mounting, Meter	1	
CH5	SUM1	Mounting, Dial Scale	1	
CH6	SJJA16	Jack, Headphones	1	
CH7	RDY34	Shaft, Pulley	6	
CH8	RDR20	Pulley, Dial Cord	5	
CH9	RNW150-2	Lock Washer, Pulley	5	
CH10	SDU1	Filter, Dial Light	1	
CH11	XTV3+8CK	Black Screw, Lamp House M'tg.	4	
CH12	XNG3CS	Nut, Lamp Holder M'tg.	2	
CH13	SMP231	Lamp House	1	
CH14	SDPA8	Pointer, Dial	1	
CH15	SJSA206	Holder, Dial, Lamp	1	
CH16	SDZ051-1	Cord, Dial [230cm (90⅝")]	1 roll	
CH17	SGL51	Orange Filter, Stereo Indicator	1	
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	

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
ACCESSORIES				
A1	SSAA3	FM Antenna Cord	1	
A2	XBAS1A5001	Circuit Protection Fuse, 5A	2	SAFETY
A3	RJP5	Pin Plug	4	
A4	RJP16AS	AC Plug	1	
A5	RJP17AS	AC Plug	1	
PACKING PARTS				
P1	SPPA14	Soft Cover	1	
P2	SPS5	Pad, AM Bar Antenna	1	
P3	SPP163	Polyethylene Bag	1	
P4	SPS7	Pad, Left Side	1	
P5	SPS9	Pad, Right Side	1	
P6	SPS51	Pad, Bottom Side	1	
P7	SPG535	Carton Box	1	○
P8	SQFA1055	Printed Matter, Complete	1	○
P9	----------	Deletion	-----	-----
P10	----------	Deletion	-----	-----
P11	----------	Deletion	-----	-----

■ CHANGE OF PARTS NO.

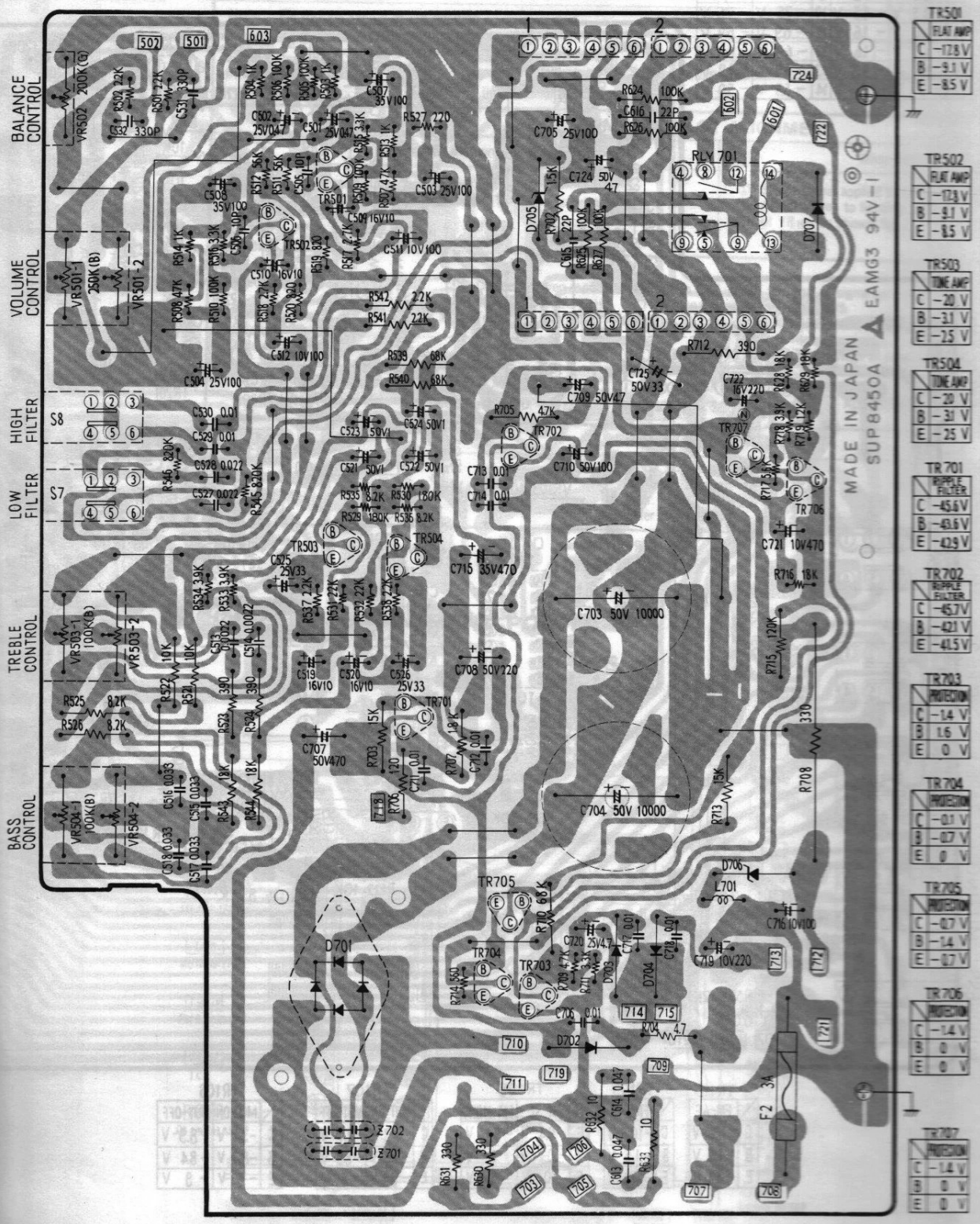
Ref. No.	Change of Part No. SA-5550 → SA-5551		Description	Per Set (Pcs.)
R145, 146	ERD14TJ392	ERD14TJ472	4.7kΩ, ¼W, ±5%, Carbon Resistor	2
C146, 147	ECQM05183JZ	ECQM05273JZ	0.027μF, 50WV, ±5%, Polyester Capacitor	2
CA8	SKA7810	SKA7811	Cabinet, Black Wooden	1
CA9	XBB4+16BVCS	XSB4+16FZS	Scren, Black Cabinet M'tg.	4
CA10	SGPA710-1A	SGPA710-1AF	Rear Panel (with Name Plate)	1
	----------	SGT11270	Name Plate (Technics by Panasonic Model SA-5551 Label)	1
CH1	SDH113-1	SDH113-2	Mounting, Meter & Dial Scale	1
P6	SPS101	SPS51	Pad, Set Bottom Side	1
P7	SPN5089	SPG535	Carton Box	1
P8	SQF987	SQF1055	Printed Matter, Complete	1
P9	SPG519	----------	Deletion	----------
P10	SPS103	----------	Deletion	----------
P11	SPS105	----------	Deletion	----------

■ CHANGE OF SCHEMATIC DIAGRAMS·····Headphones



Printed in Japan
Ⓚ

SA-5550 POWER SOURCE, SPEAKERS PROTECTION & TONE CONTROL CIRCUIT BOARD



SA-5550 FM/AM TUNER, AF AMPLIFIER & EQUALIZER CIRCUIT BOARD (Bott

IC 102

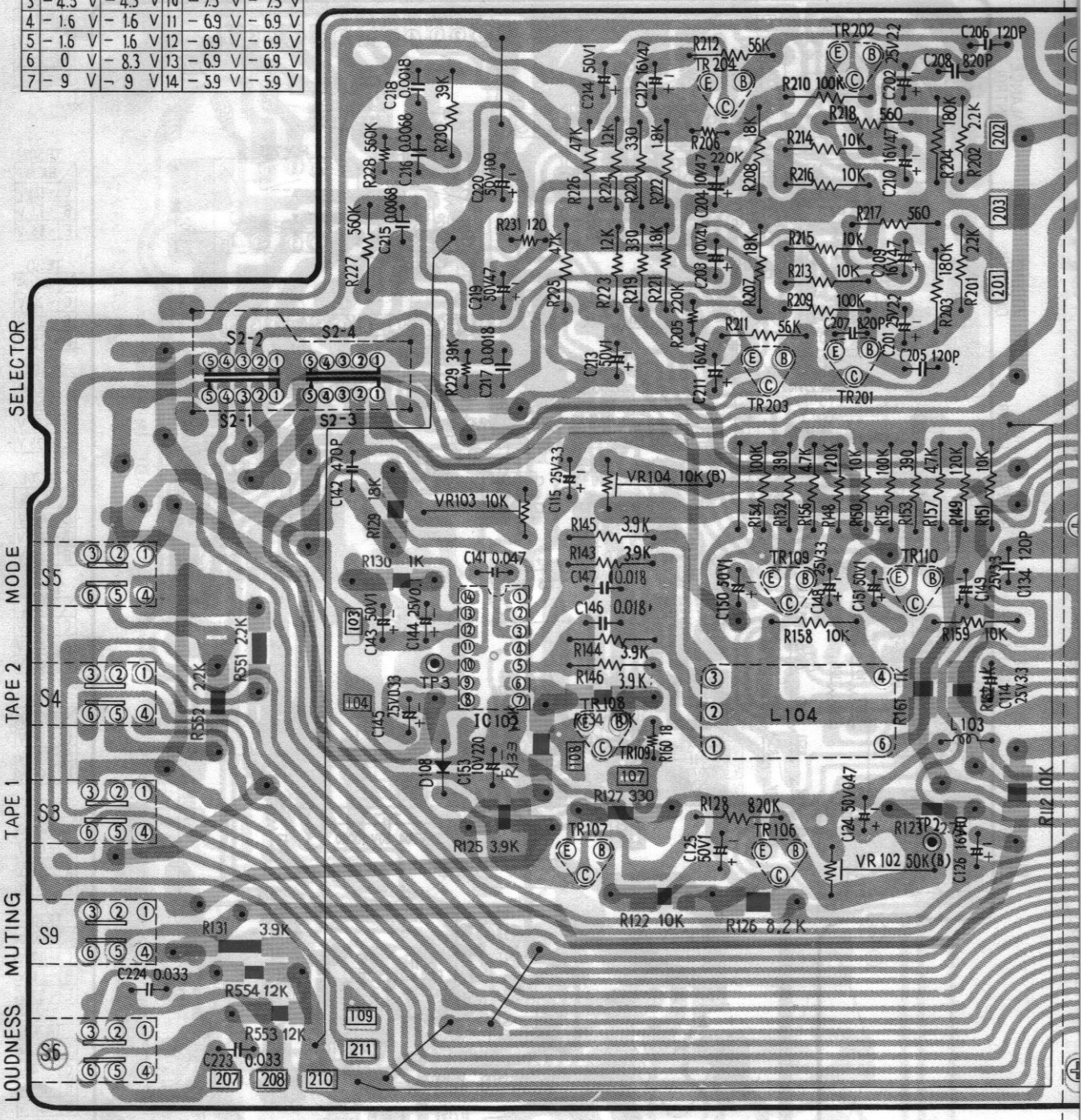
	FM MONO	FM STEREO		FM MONO	FM STEREO
1	0 V	0 V	8	−6.8 V	−6.8 V
2	−6.2 V	−6.2 V	9	−7 V	−7 V
3	−4.5 V	−4.5 V	10	−7.5 V	−7.5 V
4	−1.6 V	−1.6 V	11	−6.9 V	−6.9 V
5	−1.6 V	−1.6 V	12	−6.9 V	−6.9 V
6	0 V	−8.3 V	13	−6.9 V	−6.9 V
7	−9 V	−9 V	14	−5.9 V	−5.9 V

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



TR110	FM-AF
C	−10.4 V
B	−1.5 V
E	−0.8 V

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

TR108	FM-ST	FM-MONO
C	−0.4 V	−8.1 V
B	−0.7 V	0 V
E	0 V	0 V

TR107	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

SA-5550 AC FUSE CIRCUIT

m View)

Printed Resistor

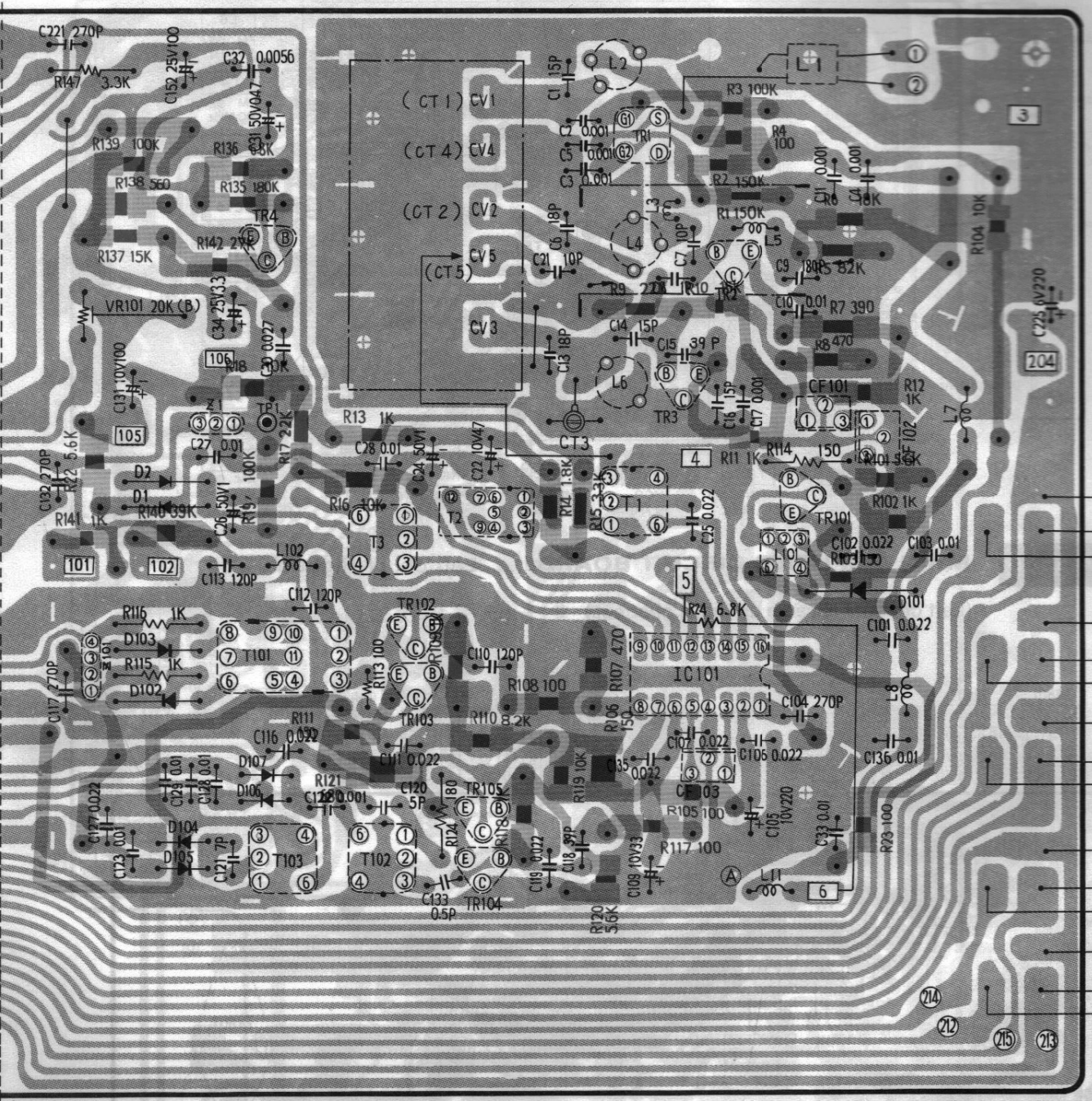
Circuit View on Top of P.C.B.

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

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



TR105	MUTING
C	-0.8 V
B	-3.3 V
E	-4 V

TR104	MUTING
C	0 V
B	-3.3 V
E	-4 V

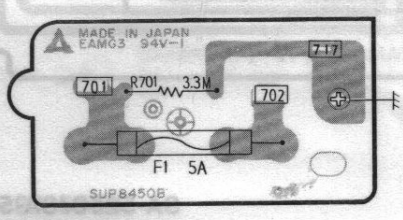
TR103	FM-IF
C	-0.7 V
B	-6.3 V
E	-7 V

TR102	FM-IF
C	0 V
B	-6.3 V
E	-7 V

TR101	FM-IF
C	0 V
B	-7.6 V
E	-8.3 V

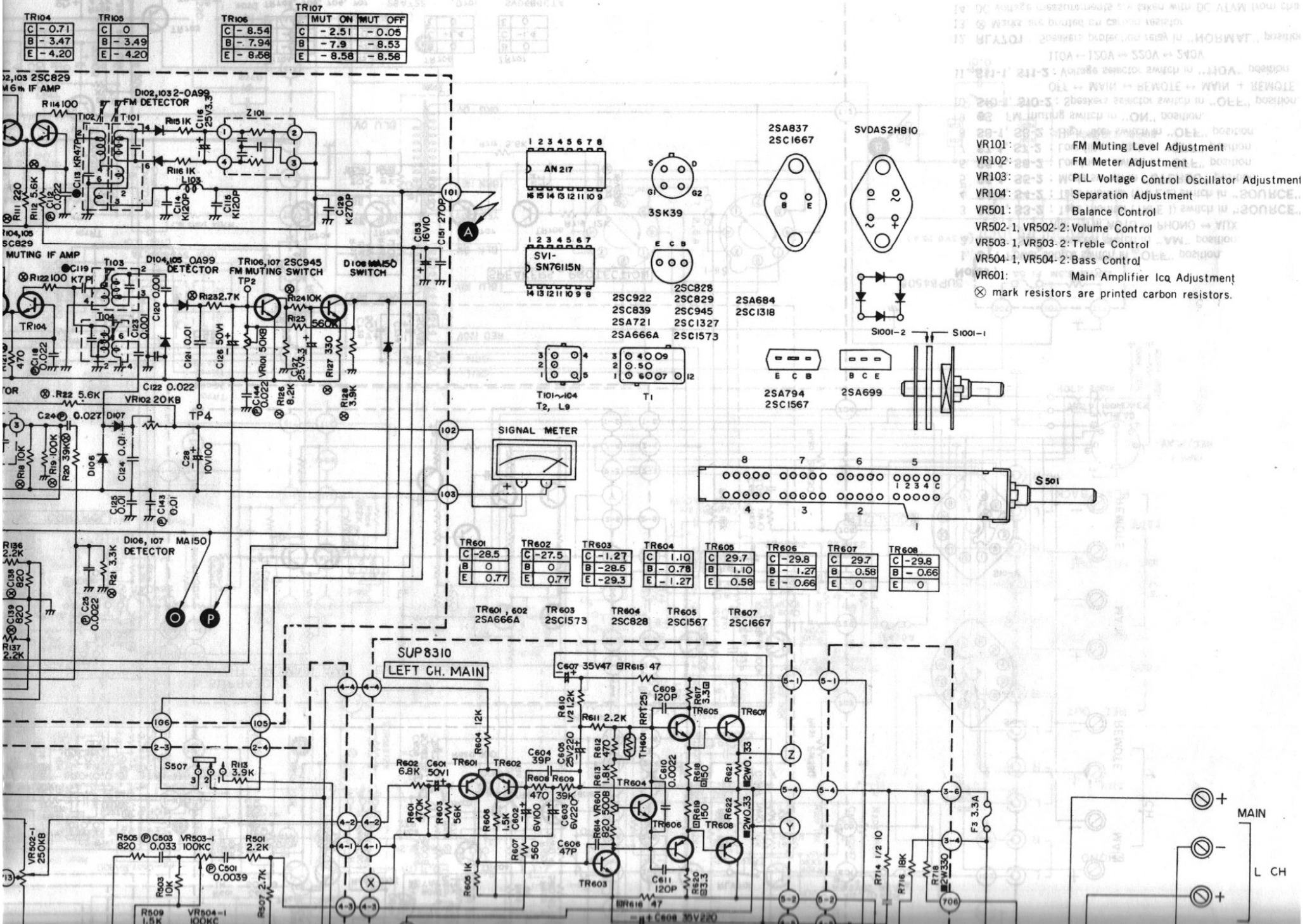
IC101

	FM		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



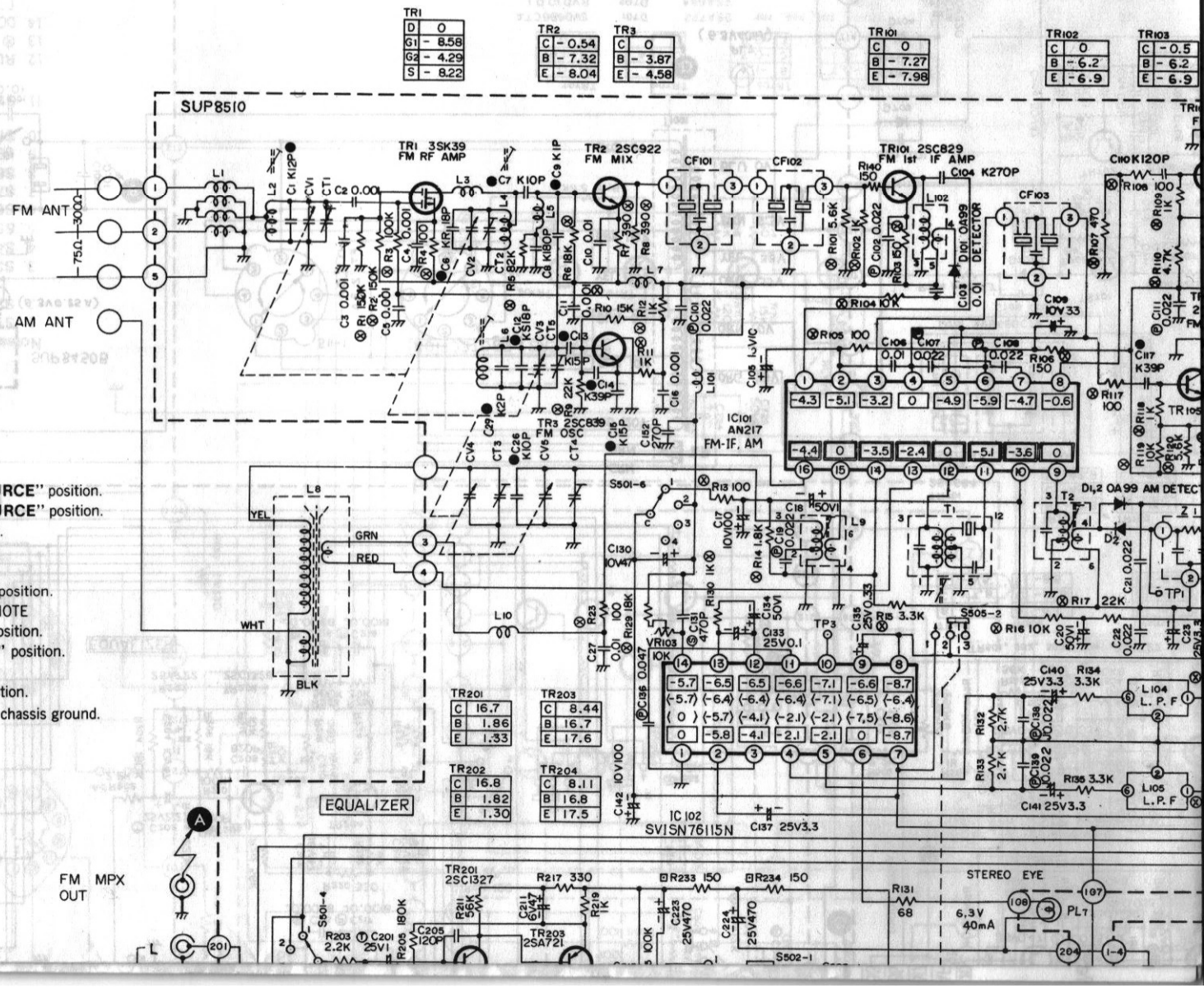
BOARD

with the development of new technology.)



Schematic Diagram ..... Model SA-5250

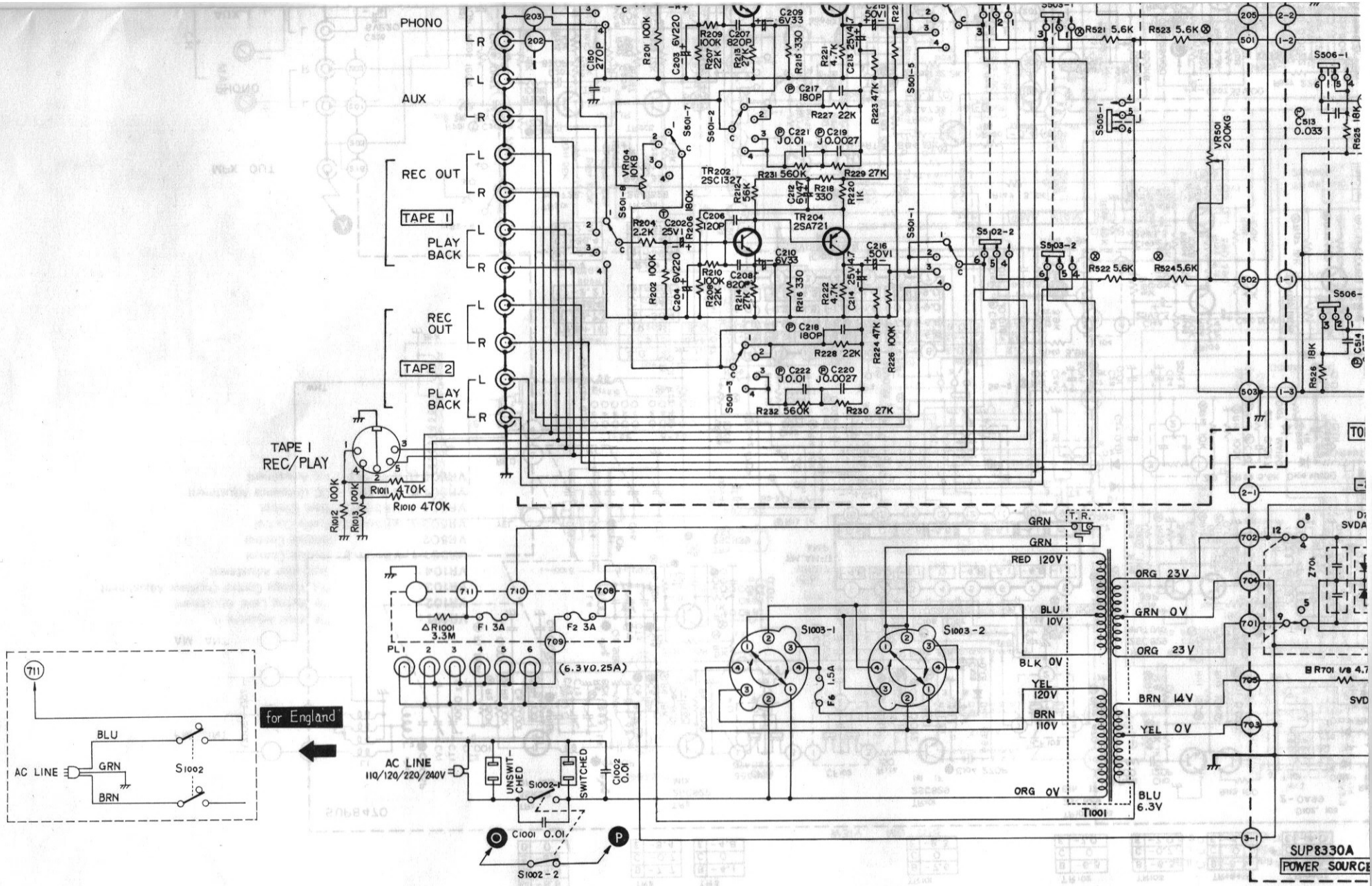
(This schematic diagram may be modified at any time

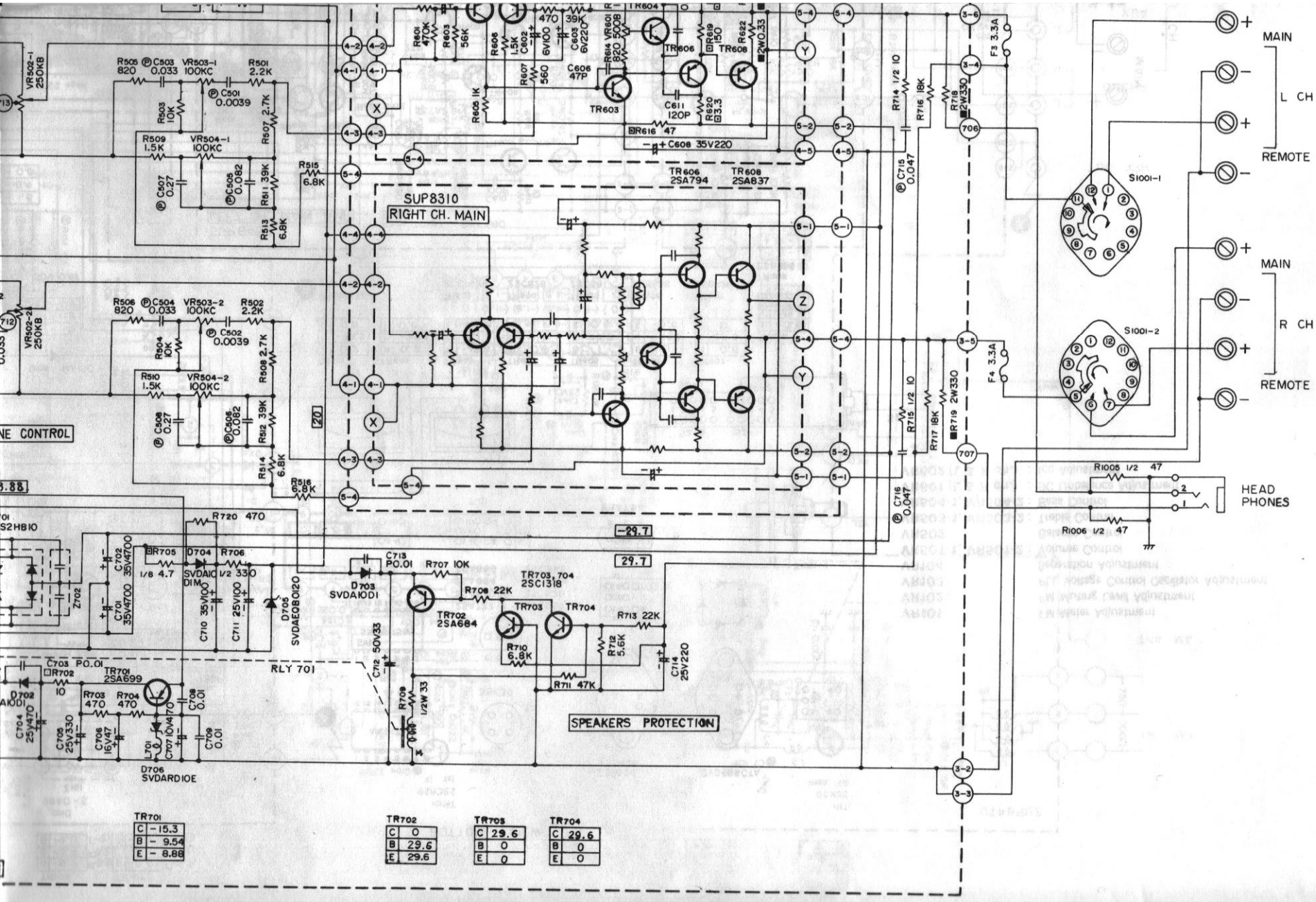


Notes :

1. **S501-1~S501-8 :** Selector switch in **"AM"** position.
   AM ↔ FM AUTO ↔ PHONO ↔ 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 ↔ MAIN ↔ REMOTE ↔ 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 ↔ 120V ↔ 220V ↔ 240V
10. **RLY701 :** Speakers protection relay in **"NORMAL"** position.
11. DC voltage measurements are taken with DC VTVM from chassis ground.

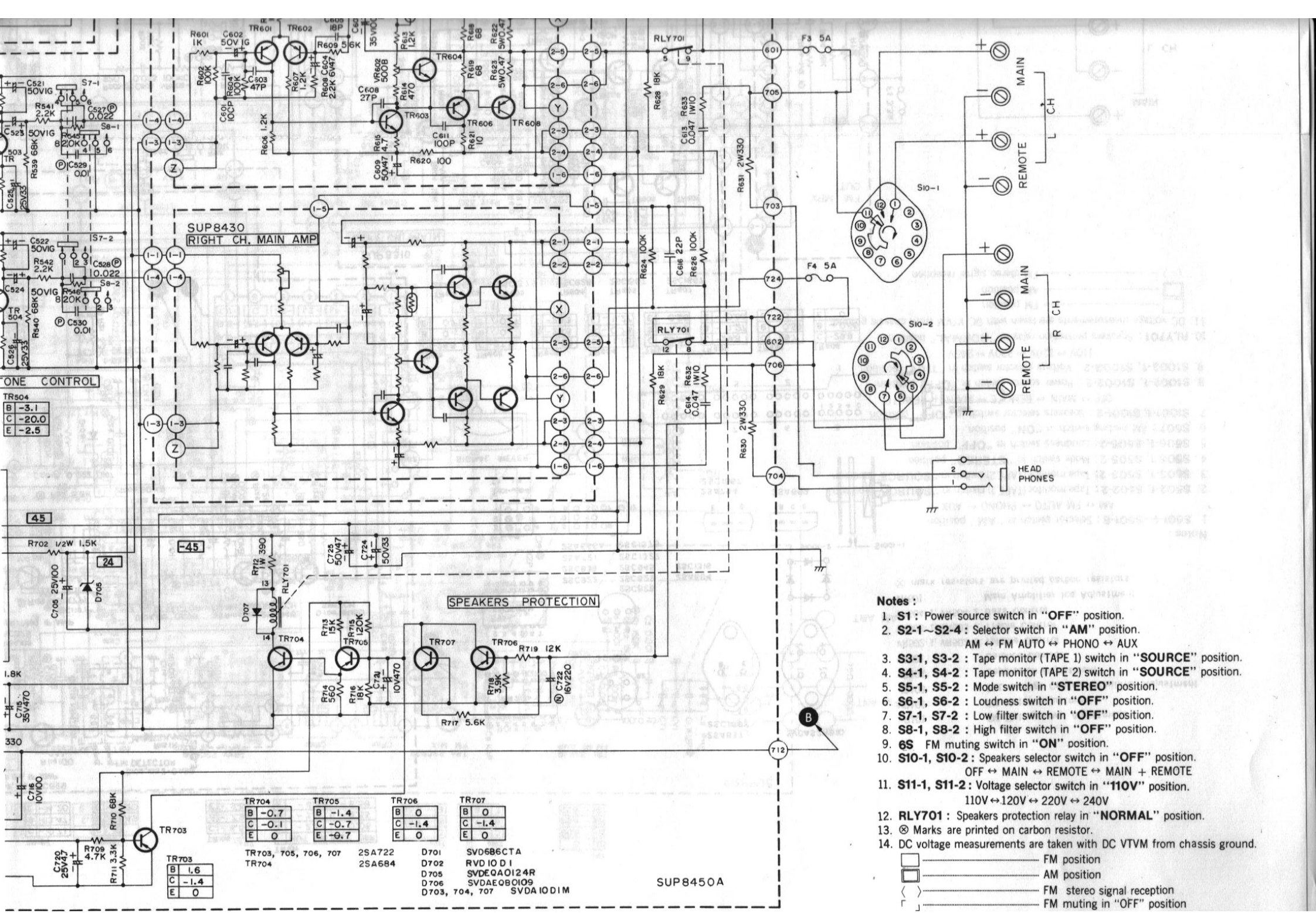
FM position
AM position
( ) FM stereo signal reception


PHONO
AUX
REC OUT
TAPE 1
PLAY BACK
REC OUT
TAPE 2
PLAY BACK
TAPE 1 REC/PLAY
TR202 2SC1327
TR204 2SA721
S501-1
S501-2
S501-3
S501-5
S501-7
S501-8
S502-2
S503-1
S503-2
S505-1
S506-1
S1003-1
S1003-2
T1001
T.R.
GRN
GRN
RED 120V
ORG 23V
BLU 10V
GRN 0V
ORG 23V
BLK 0V
YEL 120V
BRN 110V
BRN 14V
YEL 0V
ORG 0V
BLU 6.3V
AC LINE 110/120/220/240V
UNSWITCHED
SWITCHED
S1002-1
S1002-2
C1001 0.01
C1002 0.01
(6.3V0.25A)
F1 3A
F2 3A
F6 1.5A
for England
AC LINE
BLU
GRN
BRN
S1002
SUP8330A
POWER SOURCE



	FM
1	- 4.8 V
2	- 5.2 V
3	- 2.1 V
4	0 V
5	- 4.8 V
6	- 6.1 V
7	- 4.8 V
8	- 1.1 V

AC LINE
110/120/220/240V
SUP8450B
EQUALIZER
PHONO
AUX
TAPE 1
TAPE 2
REC OUT
PLAY BACK
REC/PLAY
TR501, 502, 503, 504 2SA722
TR201, 202, 203, 204 2SA722 2SC1328
TR701 2SA684
TR702 2SA794
D701 SVD886CTA
TR501
TR502
TR503
TR701
TR702
T.R.
T1001
S1
S2-1
S2-2
S3-1
S3-2
S4-1
S4-2
S5-1
S6-1
S6-2
S11-1
S11-2
F1 3A
F2 3A
F7 2.5A
PL7 (6.3V40mA)
PL1 (6.3V0.25A)
ΔR701 3.3M
C1001 0.01
C1002 0.01
R1001 470K
R1002 470K
R1003 100K
R1004 100K
VR501-1 250KB
VR501-2 250KB
VR502 200KG
VR503-1 100KB
VR503-2 100KB
VR504-1 100KB
VR504-2 100KB
C201 25V2.2
C202 25V2.2
C203 10V47
C204 10V47
C205 25V2.2
C206 25V2.2
C207 10V47
C208 10V47
C209 16V47
C210 16V47
C211 50V1
C212 16V47
C213 50V1
C214 50V1
C215 50V1
C216 50V1
C217 50V1
C218 50V1
C219 50V47
C220 50V100
C221 270P
C222 6V220
C223 0.033
C224 0.033
C501 0.0033
C502 0.0033
C503 25V100
C504 25V100
C505 10P
C506 10P
C507 47K
C508 35V100
C509 10P
C510 10P
C511 0.0033
C512 0.0033
C513 0.0022
C514 0.0022
C515 0.0022
C516 0.0022
C517 0.0033
C518 0.0033
C519 0.0033
C520 0.0033
C521 0.0022
C522 0.0022
C523 0.0022
C524 0.0022
C525 0.0022
C526 0.0022
C527 0.0033
C528 0.0033
C529 0.0033
C530 0.0033
C531 330P
C532 330P
C533 330P
C701 0.01
C702 0.01
C703 50V10000
C704 50V10000
C705 4.7K
C706 0.01
C707 50V470
C708 50V220
C709 50V47
C710 50V100
C711 0.01
C712 0.01
C713 0.01
C714 0.01
C717 0.01
C718 0.01
C719 10V220
D701
D702
D703
D704
Z701
Z702 0.01
R201 2.2K
R202 2.2K
R203 180K
R204 180K
R205 22K
R206 220K
R207 18K
R208 18K
R209 100K
R210 100K
R211 10K
R212 56K
R213 10K
R214 10K
R215 10K
R216 10K
R217 560
R218 560
R219 820
R220 330
R221 10K
R222 1.8K
R223 12K
R224 12K
R225 47K
R226 47K
R227 100K
R228 100K
R229 100K
R230 100K
R231 120
R501 2.2K
R502 2.2K
R503 1K
R504 1K
R505 100K
R506 100K
R507 47K
R508 47K
R509 100K
R510 100K
R511 56K
R512 56K
R513 3.3K
R514 1K
R515 3.3K
R516 3.3K
R517 2.7K
R518 2.7K
R519 820
R520 820
R521 10K
R522 10K
R523 390
R524 390
R525 8.2K
R526 8.2K
R527 220
R528 22K
R529 180K
R530 180K
R531 22K
R532 22K
R533 180K
R534 180K
R535 180K
R536 180K
R537 18K
R538 18K
R539 18K
R540 18K
R541 18K
R542 18K
R543 18K
R544 18K
R545 18K
R546 18K
R547 18K
R548 18K
R549 18K
R550 180K
R551 2.2K
R552 2.2K
R553 12K
R554 12K
R555 12K
R556 12K
R701 4.7K
R702 4.7K
R703 4.7K
R704 1/8W 4.7
R705 4.7K
R706 1
R707 1
R708 1

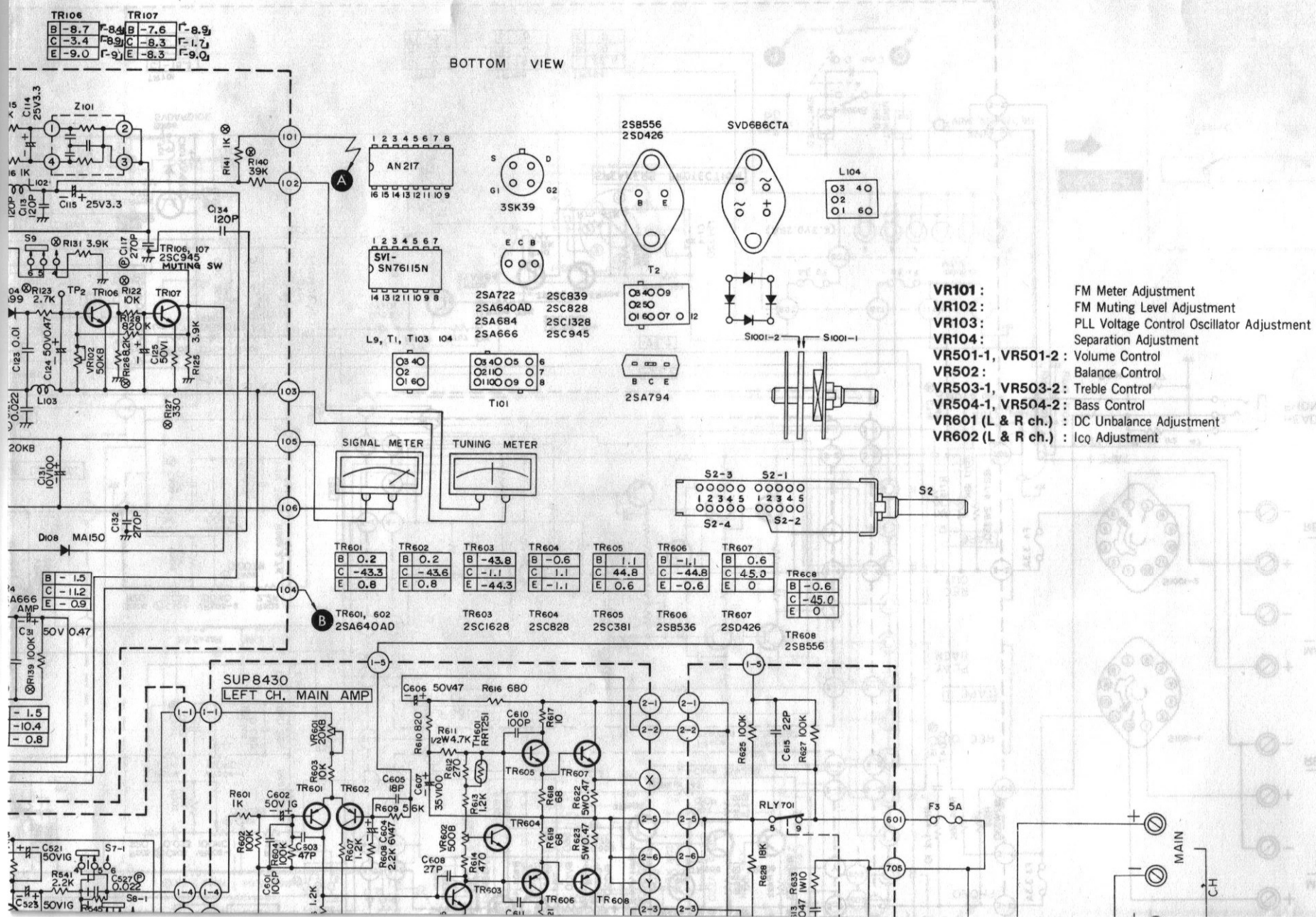


Notes :

1. **S1 :** Power source switch in **"OFF"** position.
2. **S2-1~S2-4 :** Selector switch in **"AM"** position.
   AM ↔ FM AUTO ↔ PHONO ↔ AUX
3. **S3-1, S3-2 :** Tape monitor (TAPE 1) switch in **"SOURCE"** position.
4. **S4-1, S4-2 :** Tape monitor (TAPE 2) switch in **"SOURCE"** position.
5. **S5-1, S5-2 :** Mode switch in **"STEREO"** position.
6. **S6-1, S6-2 :** Loudness switch in **"OFF"** position.
7. **S7-1, S7-2 :** Low filter switch in **"OFF"** position.
8. **S8-1, S8-2 :** High filter switch in **"OFF"** position.
9. **6S** FM muting switch in **"ON"** position.
10. **S10-1, S10-2 :** Speakers selector switch in **"OFF"** position.
    OFF ↔ MAIN ↔ REMOTE ↔ MAIN + REMOTE
11. **S11-1, S11-2 :** Voltage selector switch in **"110V"** position.
    110V ↔ 120V ↔ 220V ↔ 240V
12. **RLY701 :** Speakers protection relay in **"NORMAL"** position.
13. ⊗ Marks are printed on carbon resistor.
14. DC voltage measurements are taken with DC VTVM from chassis ground.

- □ ..... FM position
- ▣ ..... AM position
- 〈 〉 ..... FM stereo signal reception
- ⌜ ⌟ ..... FM muting in "OFF" position

with the development of new technology)



VR101 : FM Meter Adjustment
VR102 : FM Muting Level Adjustment
VR103 : PLL Voltage Control Oscillator Adjustment
VR104 : Separation Adjustment
VR501-1, VR501-2 : Volume Control
VR502 : Balance Control
VR503-1, VR503-2 : Treble Control
VR504-1, VR504-2 : Bass Control
VR601 (L & R ch.) : DC Unbalance Adjustment
VR602 (L & R ch.) : I_{CQ} Adjustment

Schematic Diagram ..... Model SA-5550

(This schematic diagram may be modified at any time

Top

■ SA-5250 FM/AM TUNER, AF AMPLIFIER & EQUALIZER CIRCUIT BOARD (Bottom V

TR204	
	AF
C	8.11V
B	16.8 V
E	17.5 V

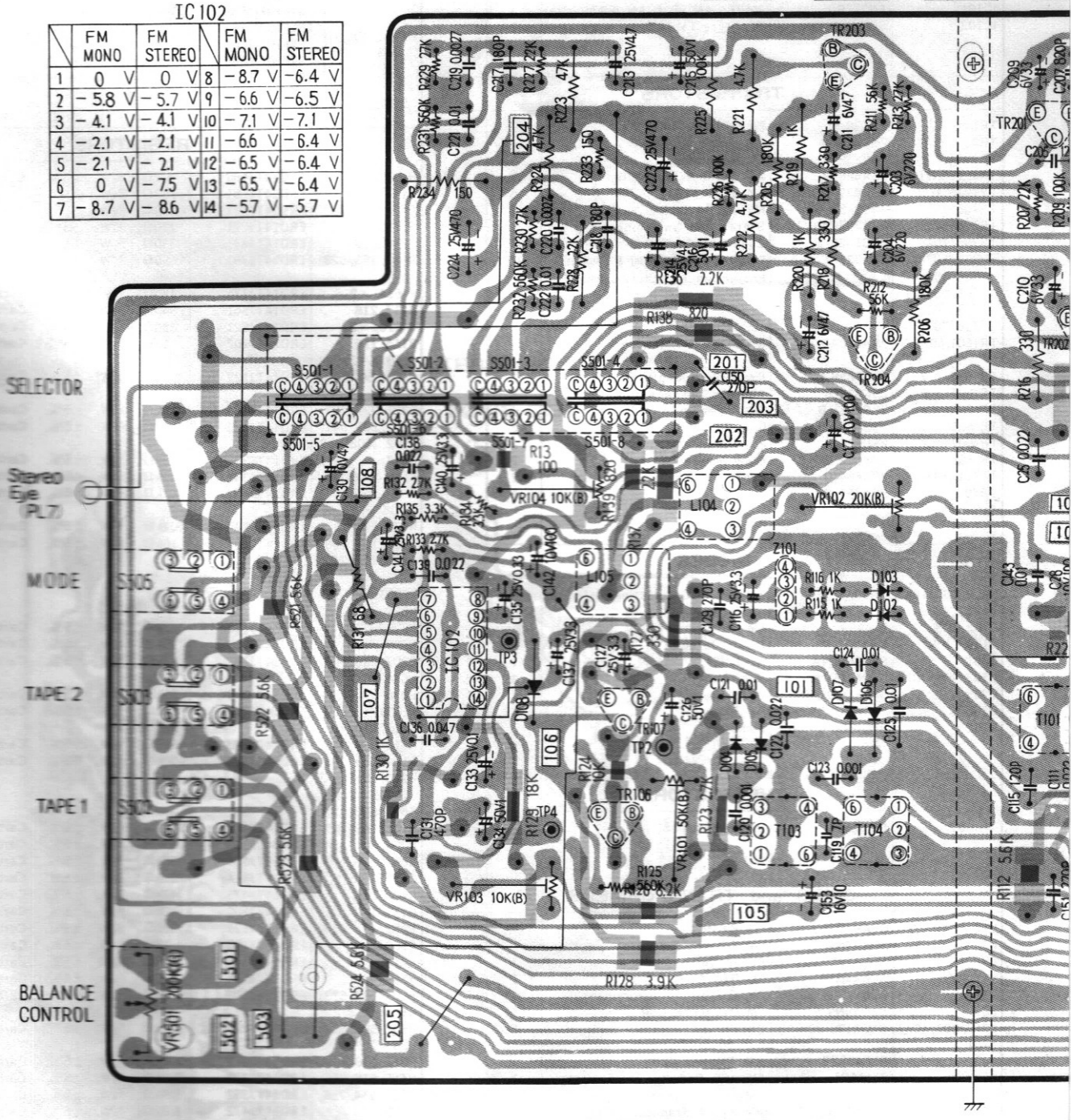
TR203	
	AF
C	8.44 V
B	16.7 V
E	17.6 V

TR202	
	AF
C	16.9 V
B	1.82 V
E	1.3 V

TR	
	A
C	16
B	1.5
E	1.1

IC102

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



■ SA-5250 AC FUSE CIRCUIT BOARD

ottom View)

Printed Resistor

Circuit View on Top of P.C.B.

TR201	AF
C	16.7 V
B	1.86 V
E	1.33 V

TR107	MUT ON	MUT OFF
C	-2.51 V	-0.05V
B	-7.9 V	-8.53V
E	-8.58V	-8.58V

TR106	FM
C	-8.54V
B	-7.94 V
E	-8.58V

TR105	FM
C	0 V
B	-3.49V
E	-4.2 V

TR104	FM
C	-0.71 V
B	-3.47V
E	-4.2 V

TR103	FM
C	-0.5 V
B	-6.2 V
E	-6.9 V

TR102	FM
C	0 V
B	-6.2 V
E	-6.9 V

TR101	FM
C	0 V
B	-7.27V
E	-7.98V

TR1	FM
D	0 V
G1	-8.58V
G2	-4.29 V
S	-8.22 V

TR 2	FM
C	-0.54V
B	-7.32V
E	-8.04V

TR3	FM
C	0 V
B	-3.87V
E	-4.58V

IC101	FM		AM
1	- 4.3 V	9	0 V
2	- 5.1 V	10	- 3.6 V
3	- 3.2 V	11	- 5.1 V
4	0 V	12	0 V
5	- 4.9 V	13	- 2.4 V
6	- 5.9 V	14	- 3.5 V
7	- 4.7 V	15	0 V
8	- 0.6 V	16	- 4.4 V

AUX

REC OUT

TAPE 2

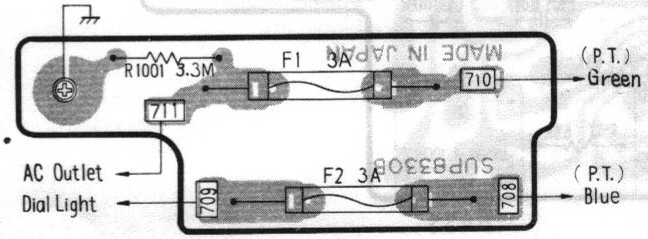
PLAYBACK

REC OUT

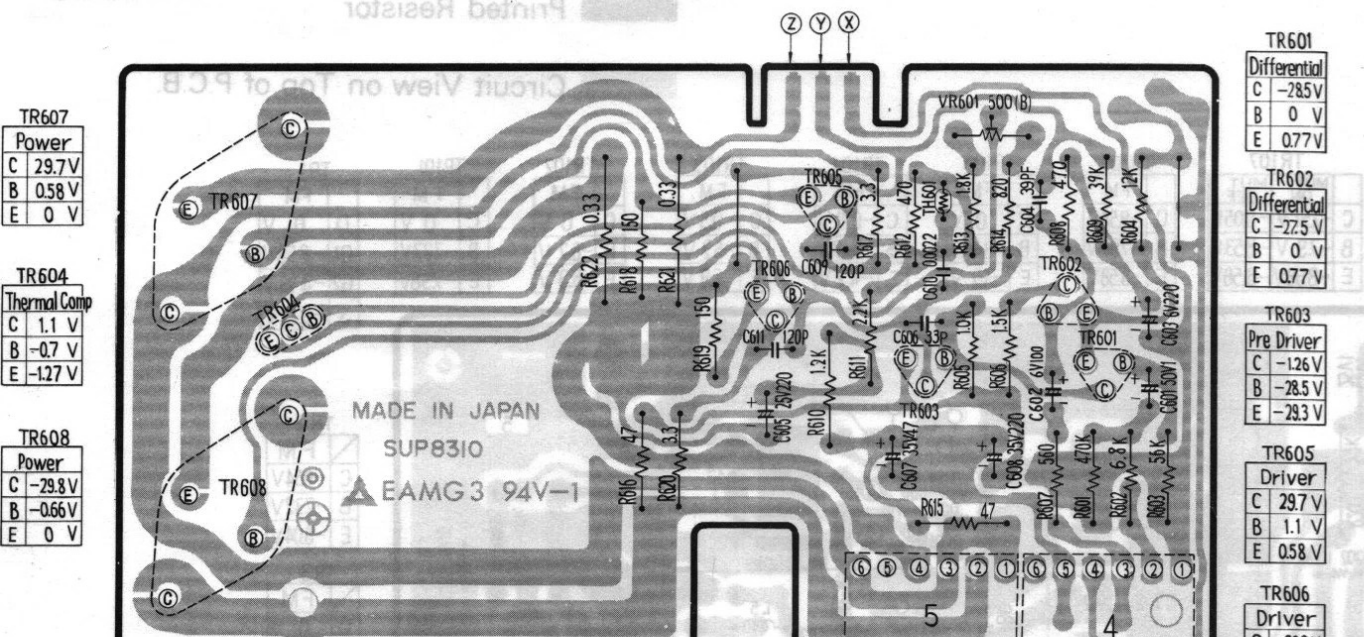
TAPE 1

PLAYBACK

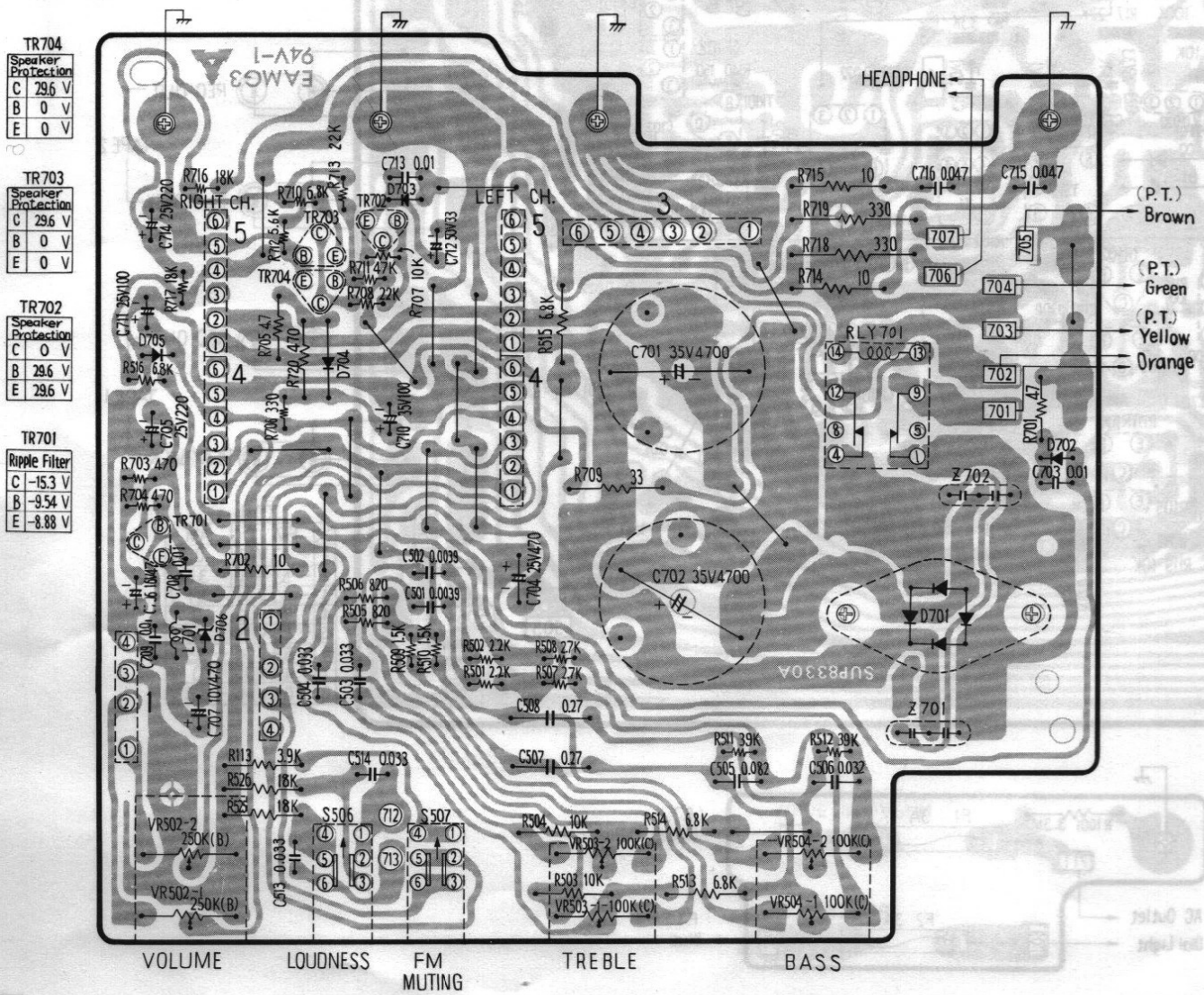
OARD



SA-5250 MAIN AMPLIFIER CIRCUIT BOARD ..... L ch. or R ch.



SA-5250 POWER SOURCE, SPEAKERS PROTECTION & TONE CONTROL CIRCUIT BOARD



REPLACEMENT PARTS LIST

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
INTEGRATED CIRCUITS				
IC101	AN217BB	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 Amplifer	2	
TR201, 202, 501, 502, 503, 504, 703, 705, 706, 707	2SA722-T	Equalizer, Tone Amplifier & Speaker Protection Switching	10	
TR(601,602) ×2	2SA640AD-R	Differential Amplifer	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	OA99	AM/FM, AGC & Muting Detector	5	
D102, 103	2-OA99	FM Discriminator	1 Pair	
D106~108	MA150	Meter Detector	3	
D701	SVD6B6CTA	Rectifier	1	○
D703, 704, 707	SVDA10D1M	Rectifier	3	
D705	SVDEQA0124R	24V Zener	1	
D706	SVDAEOB0109	9V Zener	1	
D702	RVD10D1	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 Fillter	1	
T1001	SLT5S3	Power-Transformer	1	○ SAFETY

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
CERAMIC FILTERS				
CF101, 102, 103	SVF107MA8A	FM IF Circuit, Red, 10.7MHz	each 3	
	SVF107MA8B	FM IF Circuit, Blue. 10.67MHz		
	SVF107MA8C	FM IF Circuit, Orange. 10.73MHz		
	SVF107MA8D	FM IF Circuit, Black. 10.64MHz		
	SVF107MA8E	FM IF Circuit, White. 10.76MHz		
RESISTORS				
R(615) ×2	ERD14TJ4R7	4.7Ω, ¼W, ±5%, Carbon	2	
R114	ERD14TJ151	150Ω, ¼W, ±5%, Carbon	1	
R124	ERD14TJ181	180Ω, ¼W, ±5%, Carbon	1	
R(612) ×2	ERD14TJ271	270Ω, ¼W, ±5%, Carbon	2	
R219, 220	ERD14TJ331	330Ω, ¼W, ±5%, Carbon	2	
R152, 153, 523, 524	ERD14TJ391	390Ω, ¼W, ±5%, Carbon	4	
R(614) ×2	ERD14TJ471	470Ω, ¼W, ±5%, Carbon	2	
R217, 218	ERD14TJ561	560Ω, ¼W, ±5%, Carbon	2	
R(610) ×2	ERD14TJ821	820Ω, ¼W, ±5%, Carbon	2	
R115, 116, (601) ×2	ERD14TJ102	1kΩ, ¼W, ±5%, Carbon	4	
R(606,607,613) ×2	ERD14TJ122	1.2kΩ, ¼W, ±5%, Carbon	6	
R221, 222, 707	ERD14TJ182	1.8kΩ, ¼W, ±5%, Carbon	3	
R201, 202, 541, 542. (608) ×2	ERD14TJ222	2.2kΩ, ¼W, ±5%, Carbon	6	
R147	ERD14TJ332	3.3kΩ, ¼W, ±5%, Carbon	1	
R143,144,145,146	ERD14TJ392	3.9kΩ, ¼W, ±5%, Carbon	2	
R 156, 157, 705	ERD14TJ472	4.7kΩ, ¼W, ±5%, Carbon	5	
R525, 526	ERD14TJ822	8.2kΩ, ¼W, ±5%, Carbon	2	
R150, 151, 158, 159, 213, 214, 215, 216, (603) ×2, 521 522	ERD14TJ103	10kΩ, ¼W, ±5%, Carbon	12	
R223, 224	ERD14TJ123	12kΩ, ¼W, ±5%, Carbon	2	
R703, 713	ERD14TJ153	15kΩ, ¼W, ±5%, Carbon	2	
R207, 208, 543, 544	ERD14TJ183	18kΩ, ¼W, ±5%, Carbon	4	
R230	ERD14TJ393	39kΩ, ¼W, ±5%, Carbon	1	
R(609) ×2, 211, 212	ERD14TJ563	56kΩ, ¼W, ±5%, Carbon	4	
R710, 539, 540	ERD14TJ683	68kΩ, ¼W, ±5%, Carbon	3	
R154, 155, 209, 210, (602) ×2, (604) ×2, 624, 625, 626, 627	ERD14TJ104	100kΩ, ¼W, ±5%, Carbon	12	
R148, 149, 715	ERD14TJ124	120kΩ, ¼W, ±5%, Carbon	3	
R203, 204	ERD14TJ184	180kΩ, ¼W, ±5%, Carbon	2	
R227	ERD14TJ564	560kΩ, ¼W, ±5%, Carbon	1	
R128	ERD14TJ824	820kΩ, ¼W, ±5%, Carbon	1	
R225, 226	ERD14TJ473	47kΩ, ¼W, ±5%, Carbon	2	
R113	ERD14VJ101	100Ω, ¼W, ±5%, Carbon	1	
R231	ERD14VJ121	120Ω, ¼W, ±5%, Carbon	1	
R160	ERD14VJ180	18Ω, ¼W, ±5%, Carbon	1	
R714	ERD14VJ561	560Ω, ¼W, ±5%, Carbon	1	
R519, 520	ERD14VJ821	820Ω, ¼W, ±5%, Carbon	2	
R503, 504, 513, 514	ERD14VJ102	1kΩ, ¼W, ±5%, Carbon	4	
R501, 502, 537, 538	ERD14VJ222	2.2kΩ, ¼W, ±5%, Carbon	4	
R517, 518	ERD14VJ272	2.7kΩ, ¼W, ±5%, Carbon	2	
R515, 516, 711	ERD14VJ332	3.3kΩ, ¼W, ±5%, Carbon	3	
R533, 534, 718	ERD14VJ392	3.9kΩ, ¼W, ±5%, Carbon	3	
R709	ERD14VJ472	4.7kΩ, ¼W, ±5%, Carbon	1	
R717	ERD14VJ562	5.6kΩ, ¼W, ±5%, Carbon	1	
R535, 536	ERD14VJ822	8.2kΩ, ¼W, ±5%, Carbon	2	
R719	ERD14VJ123	12kΩ, ¼W, ±5%, Carbon	1	
R628, 629, 716	ERD14VJ183	18kΩ, ¼W, ±5%, Carbon	3	
R531, 532	ERD14VJ223	22kΩ, ¼W, ±5%, Carbon	2	
R229	ERD14VJ393	39kΩ, ¼W, ±5%, Carbon	1	
R507, 508	ERD14VJ473	47kΩ, ¼W, ±5%, Carbon	2	
R511, 512	ERD14VJ563	56kΩ, ¼W, ±5%, Carbon	2	

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Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
CA8(BLK)	SKA7811	Cabinet (Black Wood)	1	○
CA9(BLK)	XSB4+16FZS	Screw, Black Cabinet M'tg.	4	
CA9(BRN)	XSB4+16BVCS	Screw, Brown Cabinet M'tg.	4	
CA10	SGPA710-1A	Rear Panel	1	○
CA11	SMA197	Mounting. AM Antenna Coil	1	
CA12	SMAA6-2	Band, AM Antenna Coil	1	
CA13	SJF4501	Terminal. Ext. Antenna	1	○
CA14	**SJFA5201-1**	Holder, Circuit Protection Fuse	1	
CA15	SJSA66-1	Socket, AC Outlet	2	SAFETY
CA16	SJFA4803-1	Terminal, Speakers	1	
CA17	XSN26+12	Screw, Fuse Cap M'tg.	1	
CA18	SJFA5202-1	Fuse Cap	1	
CA19	RHR106	Bushing. AM Antenna Lead Wire	1	
CA20	SJFA3020-1	Terminal, Input & Tape Monitor	1	○
CA21	RHR111	Bushing. AC Cord	1	
CA22	SJAA3-1	AC Cord	1	SAFETY
(Holland)	RJP3A	AC Plug (Only for Holland)	1	
CA23	SYU39	Bottom Board	1	○
CA24	SKL145	Leg	4	
CA25	XTV3+8CR	Red Screw, Bottom Board M'tg.	8	
	XSN3+8RS	Red Screw, Bottom Board M'tg.	1	
CA26	RJS31-1	DIN Socket,Tape Monitor	1	

CHASSIS PARTS

CH1	SDH113-1	Mounting. Meter & Dial Scale	1	○
CH2	SHRA916-1	Lock Pin, Dial Scale	2	
CH3	SKD2310	Dial Scale	1	○
CH4	SMMA10-1	Mounting, Meter	1	○
CH5	SUM1	Mounting, Dial Scale	1	○
CH6	SJJA16	Jack, Headphones	1	
CH7	RDY34	Shaft, Pulley	6	
CH8	RDR20	Pulley, Dial Cord	5	
CH9	RNW150-2	Lock Washer, Pulley	5	
CH10	SDU1	Filter, Dial Light	1	○
CH11	XTV3+8CK	Black Screw, Lamp House M'tg.	4	
CH12	XNG3CS	Nut, Lamp Holder M'tg.	2	
CH13	SMP231	Lamp House	1	○
CH14	SDPA8	Pointer, Dial	1	
CH15	SJSA206	Holder, Dial, Lamp	1	
CH16	SDZ051-1	Cord, Dial [230cm (90⅝")]	1 roll	
CH17	SGL51	Orange Filter, Stereo Indicator	1	
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	

ACCESSORIES

A1	SSAA3	FM Antenna Cord	1	
A2	XBAS1A5001	Circuit Protection Fuse, 5A	2	SAFETY
A3	RJP5	Pin Plug	4	
A4	RJP16AS	AC Plug	1	
A5	RJP17AS	AC Plug	1	

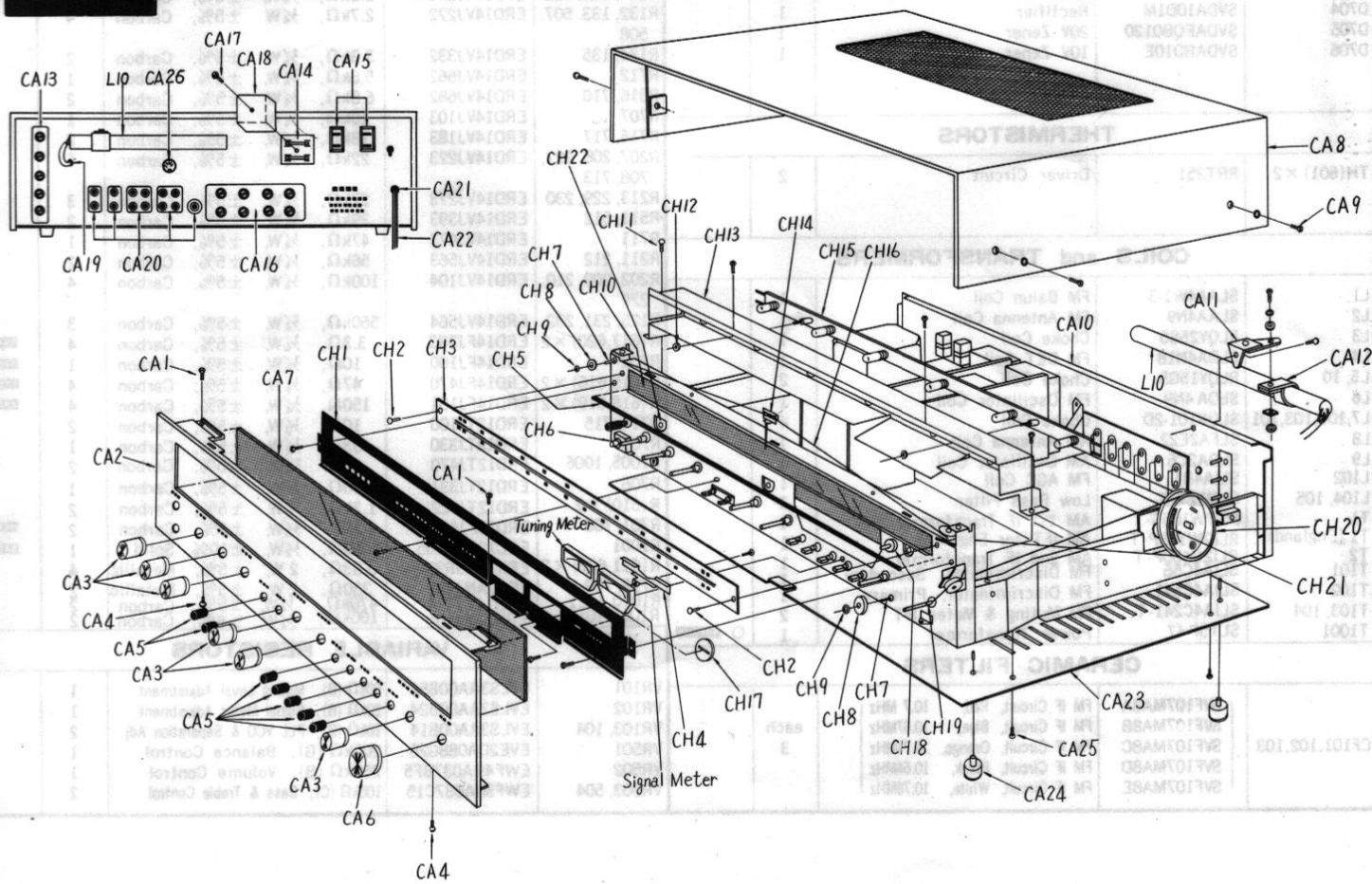
PACKING PARTS

P1	SPPA14	Soft Cover	1	
P2	SPS5	Pad, AM Bar Antenna	1	
P3	SPP465	Polyethylene Bag	1	
P4	SPS7	Pad, Left Side	1	○
P5	SPS9	Pad, Right Side	1	○
P6	SPS101	Pad, Bottom Side	1	○
P7	SPN5089	Carton Box, Inner	1	○
P8	SQF987	Printed Matter, Complete	1	○
P9	SPG519	Carton Box, Outer	1	○
P10	SPS103	Pad, Corner	4	○
P11	SPS105	Pad, Upper	1	○

PACKING PARTS (for Germany & Holland)

P1	SPPA14	Soft Cover	1	
P2	BPS5	Pad, AM Bar Antenna	1	
P3	SPP465	Polyethylene Bag	1	
P4	SPS7	Pad, Left Side	1	
P5	SPS9	Pad, Right Side	1	
P6	SPS51	Pad, Bottom Side	1	
P7	SPG521	Carton Box	1	○
P8(Germany)	SQF987	Printed Matter (only for Germany)	1	
P9	----------	Deletion	-----	-----
P10	----------	Deletion	-----	-----
P11	----------	Deletion	-----	-----

■ SA-5550 CABINET & CHASSIS PARTS LOCATION



Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
R505, 506, 509, 510	ERD14VJ104	100kΩ, ¼W, ±5%, Carbon	4	
R529, 530	ERD14VJ184	180kΩ, ¼W, ±5%, Carbon	2	
R205, 206	ERD14VJ224	220kΩ, ¼W, ±5%, Carbon	2	
R545, 546	ERD14VJ824	820kΩ, ¼W, ±5%, Carbon	2	
R228	ERD14VJ564	560kΩ, ¼W, ±5%, Carbon	1	
R(617, 621) ×2	ERD14FJ100	10Ω, ¼W, ±5%, Carbon	4	SAFETY
R(618, 619) ×2	ERD14FJ680	68Ω, ¼W, ±5%, Carbon	1	SAFETY
R(620) ×2	ERD14FJ101	100Ω, ¼W, ±5%, Carbon	2	SAFETY
R706	ERD14FJ121	120Ω, ¼W, ±5%, Carbon	1	SAFETY
R527	ERD14FJ221	220Ω, ¼W, ±5%, Carbon	1	SAFETY
R(616) ×2	ERD14FJ681	680Ω, ¼W, ±5%, Carbon	2	SAFETY
R702	ERD12TJ152	1.5kΩ, ½W, ±5%, Carbon	1	
R(611) ×2	ERD12TJ472	4.7kΩ, ½W, ±5%, Carbon	2	
R712	ERG1ANJ391	390Ω, 1W, ±5%, Metallic	1	
R704	ERD18FJ4R7	4.7Ω, ⅛W, ±5%, Carbon	1	SAFETY
R701	ERC12ZGK335	3.3MΩ, ½W, ±10%, Solid	1	SAFETY
R630, 631	ERG2ANJ331	330Ω, 2W, ±5%, Metallic	2	
R708	ERG5ANJ331	330Ω, 5W, ±5%, Metallic	1	
R632, 633	ERX1ANJ100	10Ω, 1W, ±5%, Metallic	2	
R(622, 623) ×2,	ERF5AKR47	0.47Ω, 5W, ±10%, Non-Flammable Wire	4	○ SAFETY
R24	ERD14TJ682	6.8kΩ, ¼W, ±5%, Carbon	1	
R1001, 1002	ERD14TJ474	470kΩ, ¼W, ±5%, Carbon	2	
R1003, 1004	ERD14TJ104	100kΩ, ¼W, ±5%, Carbon	2	

VARIABLE RESISTORS

VR101	EVLS3AA00B24	20kΩ (B), Meter Adjustment	1	
VR102	EVLS3AA00B54	50kΩ (B) Muting Level Adjustment	1	
VR103, 104	EVLS3AA00B14	10kΩ(B), VCO & Separation Adjustment	2	
VR501	EWF49A037BF5	250kΩ (B), Volume Control	1	
VR502	EVE2DA088G25	200kΩ (G), Balance Control	1	
VR503, 504	EWF2QAF30B15	100kΩ (B), Bass & Treble Control	2	○
VR(601) ×2	EVLS0AA00B24	20kΩ (B), DC Unbalance Adjustment	2	
VR(602) ×2	EVLS0AA00B52	500Ω (B), ICQ Adjustment	2	

CAPACITORS

C133	ECCD1H0R5CC	0.5pF, 50WV, ±0.25pF, Ceramic	1	
C8	ECCD1H010CC	1pF, 50WV, ±0.25pF, Ceramic	1	
C120	ECCD1H050CC	5pF, 50WV, ±0.25pF, Ceramic	1	
C121	ECCD1H070DC	7pF, 50WV, ± 0.5pF, Ceramic	1	
C7, 21, 505, 506	ECCD1H100KC	10pF, 50WV, ±10%, Ceramic	4	
C635, 636	ECCD1H220KC	22pF, 50WV, ±10%, Ceramic	2	
C1, 16	ECCD1H150KC	15pF, 50WV, ±10%, Ceramic	2	
C14	ECCD1H150KT	15pF, 50WV, ±10%, Ceramic	1	
C(605) ×2	ECCD1H180KC	18pF, 50WV, ±10%, Ceramic	2	
C6	ECCD1H180KR	18pF, 50WV, ±10%, Ceramic	1	
C13	ECCD1H180KS	18pF, 50WV, ±10%, Ceramic	1	
C15, 118	ECCD1H390KC	39pF, 50WV, ±10%, Ceramic	2	
C(603) ×2	ECCD1H470K	47pF, 50WV, ±10%, Ceramic	2	
C(601) ×2	ECCD1H101K	100pF, 50WV, ±10%, Ceramic	2	
C110, 112, 113, 134, 205, 206	ECCD1H121K	120pF, 50WV, ±10%, Ceramic	6	
C9	ECCD1H181K	180pF, 50WV, ±10%, Ceramic	1	
C104, 117, 132, 221	ECCD1H271K	270pF, 50WV, ±10% Ceramic	4	
C(608) ×2	ECCD2H270K	27pF, 500WV, ±10%, Ceramic	2	
C(610, 611) ×2	ECCD2H101K	100pF, 500WV, ±10%, Ceramic	4	
C207, 208	ECKD3H821KB	820pF, 50WV, ±10%, Ceramic	2	
C2, 3, 4, 5, 11, 17, 122, (612) ×2	ECKD3H102PF	0.001μF, 50WV, $\pm^{100}_{0}$%, Ceramic	9	
C531, 532	ECCD3H331K	330pF, 50WV, ±10 %, Ceramic	2	
C10, 27, 28, 33, 103, 123, 126, 129, 711, 712, 713, 714, 717, 718	ECKD3H102PF	0.01μF, 50WV, $\pm^{100}_{0}$%, Ceramic	14	
C706	ECKD2H102PE	0.01μF, 500WV, $\pm^{100}_{0}$%, Ceramic	1	
C217, 218	ECQMD5182JZ	0.0018μF, 50WV, ± 5%, Polyester	2	
C513, 514	ECQMD5223JZ	0.022μF, 50WV, ±10%, Polyester	2	
C215, 216	ECQMD5682JZ	0.0068μF, 50WV, ± 5%, Polyester	2	
C32	ECQMD5563JZ	0.056μF, 50WV, ±10%, Polyester	1	
C529, 530	ECQMD5103JZ	0.01μF, 50WV, ±10%, Polyester	2	
C25, 101, 102, 106, 107, 108, 111, 116, 135, 139, 127, 527, 528	ECQMD5223JZ	0.022μF, 50WV, ±10%, Polyester	13	
C146, 147	ECQMD5182JZ	0.0018μF, 50WV, ± 5%, Polyester	2	
C30	ECQMD5273JZ	0.027μF, 50WV, ±10%, Polyester	1	
C223, 224, 515, 516, 517, 518	ECQMD5333JZ	0.033μF, 50WV, ±10%, Polyester	6	
C141, 613, 614	ECQMD5473JZ	0.047μF, 50WV, ±10%, Polyester	3	
C1001, 1002	ECQU2A103MB	0.01μF, 250VAC, ±20%, Polyester	2	SAFETY
C142	ECQS1H471JZ-K	470pF, 125WV, ± 5%, Styrol	1	

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
C(604) ×2	ECEA6V47L	47μF, 6.3WV, Electrolytic	2	
C225	ECEA6V220L	220μF, 6.3WV, Electrolytic	1	
C109, 720	ECEA10V33L	33μF, 10WV, Electrolytic	2	
C22, 203, 204	ECEA10V47L	47μF, 10WV, Electrolytic	3	
C131, 511, 512, 716	ECEA10V100L	100μF, 10WV, Electrolytic	4	
C105, 153, 719	ECEA10V220L	220μF, 10WV, Electrolytic	3	
C721	ECEA10V470L	470μF, 10WV, Electrolytic	1	
C126, 509, 510, 519, 520	ECEA16V10L	10μF, 16WV, Electrolytic	5	
C209~212	ECEA16V47L	47μF, 16WV, Electrolytic	4	
C722	ECEA16N220	220μF, 16WV, Non-Polar	1	
C114, 115, 148, 149, 34	ECEA25V3R3L	3.3μF, 25WV, Electrolytic	5	
C525, 526	ECEA25V33L	33μF, 25WV, Electrolytic	2	
C720	ECEA25V4R7L	4.7μF, 25WV, Electrolytic	1	
C152, 503, 504, 705	ECEA25V100L	100μF 25WV, Electrolytic	4	
C507, 508 (607) ×2	ECEA35V100L	100μF, 35WV, Electrolytic	4	
C715	ECEA35V470L	470μF, 35WV, Electrolytic	1	
C24, 26, 125 143, 150, 151, 213, 214, 521, 522, 523, 524, (602) ×2	ECEA50V1G	1μF, 50WV, Electrolytic	14	
C724	ECEA50V33L	33μF, 50WV, Electrolytic	1	
C219, (606) ×2 709, 725	ECEA50V47L	47μF, 50WV, Electrolytic	5	
C(609) ×2	ECEA50V47V	47μF, 50WV, Electrolytic	2	
C220, 710	ECEA50V100L	100μF, 50WV, Electrolytic	2	
C708	ECEA50V220L	220μF, 50WV, Electrolytic	1	
C707	ECEA50V470L	470μF, 50WV, Electrolytic	1	
C144	ECAG25ER1X	0.1μF, 25WV, Electrolytic	1	
C145	ECAG25ER33X	0.33μF, 25WV, Electrolytic	1	
C501, 502	ECAG25ER47	0.47μF, 25WV, Electrolytic	2	
C201, 202	ECSZ25EF2R2	2.2μF, 25WV, Electrolytic	2	
C703, 704	ECET50R103Y	10000μF, 50WV, Electrolytic	2	○
C31, 124	ECEA50VR47L	0.47μF, 50WV, Electrolytic	2	

VARIABLE CAPACITORS

CV1~5 (CT1~4)	ECV5MX25X20G	Tuning Gang. AM/FM (with Trimmer)	1	
CT3	ECV1ZW06P35	FM OSC Trimmer, 6pF	1	

COMPONENT COMBINATIONS

Z1	EXAF203Z471	AM Detector	1	
Z101	EXA5DL04C	FM Detector	1	
Z701, 702	RXAF103P22HD	Hum Cancel. 0.01μF(×2). Ceramic	2	SAFETY

SWITCHES

S1	ESB7036	Power Source Switch	1	SAFETY
S2	SSR33	Selector Switch	1	○
S3, 4, 5, 6, 9	SSHA60S	Mode, Tape Monitor, Muting & Loudness Push Switches	1	○
S7, 8	SSHA56S	Low & High Filter Switch	1	
S10	ESRC124F30CE	Speakers Switch	1	
S11	SSRA7-1S	Voltage Selector Switch	1	SAFETY

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	SAFETY
F2	XBAS1B3001	3A Fuse, Power Source	1	SAFETY
F3, 4	XBAS1A5001	5A Fuse, Circuit Protection	2	SAFETY
F7	XBA2K25NS5	2.5A Fuse, Power Source	1	SAFETY
PL1~6	**XAM35K**	Dial Lamp. 6.3V 0.25A	6	SAFETY
PL7	XAMR38S150A	Stereo Eye. 6.3V 40mA	1	SAFETY

CABINET PARTS

CA1	XTS3+8BK	Black Screw, Panel M'tg.	2	
CA2	SGW6310	Front Panel	1	○
CA3	SBNA116E	Knob, Speakers. Bass. Treble. Volume. Balance & Selector	6	
CA4	XTV3+8CK	Black Screw, Panel M'tg.	2	
CA5	SBCA56	Button, Push Switches	7	
CA6	SBNA131E	Knob, Tuning Control	1	
CA7	SGU1	Glass Plate	1	○
CA8 (BRN)	SKA7810	Cabinet(Brown Wood)	1	○

SA-5250 REPLACEMENT PARTS LIST

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
INTEGRATED CIRCUITS				
IC101	AN217BB	FM IF, AM RF & AM IF Amplifier	1	
IC102	SV1SN76115N	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	
TR101,102,103, 104,105	2SC829-C	FM IF Amplifier	5	
TR106, 107	2SC945-P2	FM Muting Switching	2	
TR201, 202	2SC1327-T	Equalizer Amplifier	2	
TR203, 204	2SA721-T	Equalizer Amplifier	2	
TR(601, 602) ×2	2SA666A-AD3	Differential Amplifier	4	
TR(603) ×2	2SC1573-Q	Pre Driver Amplifier	2	
TR(604) ×2	2SC828-R	Thermo Compensation	2	
TR(605) ×2	2SC1567-R	Driver Amplifier } Use in Pairs	2	
TR(606) ×2	2SA794-R	Driver Amplifier }	2	
TR(607) ×2	2SC1667Ⓢ-Q	Power Amplifier } Use in Pairs	2	
TR(608) ×2	2SA837Ⓢ-Q	Power Amplifier }	2	
TR701	2SA699-R	Ripple Filter	1	
TR702	2SA684-Q	Speaker Protection	1	
TR703, 704	2SC1318-R	Speaker Protection	2	
DIODES				
D1,2,101,104,105	OA99	AM & FM AGC Detector	5	
D102, 103	2-OA99	FM Discriminator	1 pair	
D106, 107, 108	MA150	FM Muting & Meter Detector	3	
D701	SVDAS2HB10	Rectifier	1	
D702, 703	RVD10D1	Rectifier	2	
D704	SVDA10D1M	Rectifier	1	
D705	SVDAEQB0120	20V Zener	1	
D706	SVDARD10E	10V Zener	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, 10	RLQY15G5	Choke Coil	2	
L6	SLOA 4N9	FM Oscillator Coil	1	
L7,101,103,701	SLQX101-2D	Choke Coil	4	
L8	SLFA2E22	AM Antenna Coil	1	
L9	SLOA2C6	AM Oscillator Coil	1	
L102	SLIA4B1	FM AGC Coil	1	
L104, 105	SLM1Z7-K	Low Pass Filter	2	
T1	RLI7W105S-T	AM 1st IF Transformer	1	
T1 (England)	RLI7W108P-T	AM IFT (for England)	1	
T2	RLI2C450P-T	AM 2nd IF Transformer	1	
T101	SLIA4C56	FM Discriminator, Secondary	1	
T102	SLIA4C541	FM Discriminator, Primary	1	
T103, 104	SLIA4C241-T	FM Muting & Meter IFT	2	
T1001	SLT5P47	Power Transformer	1	○ SAFETY
CERAMIC FILTERS				
CF101,102,103	SVF107MA8A	FM IF Circuit, Red, 10.7 MHz	each 3	
	SVF107MA8B	FM IF Circuit, Blue, 10.67MHz		
	SVF107MA8C	FM IF Circuit, Orange, 10.73MHz		
	SVF107MA8D	FM IF Circuit, Black, 10.64MHz		
	SVF107MA8E	FM IF Circuit, White, 10.76MHz		

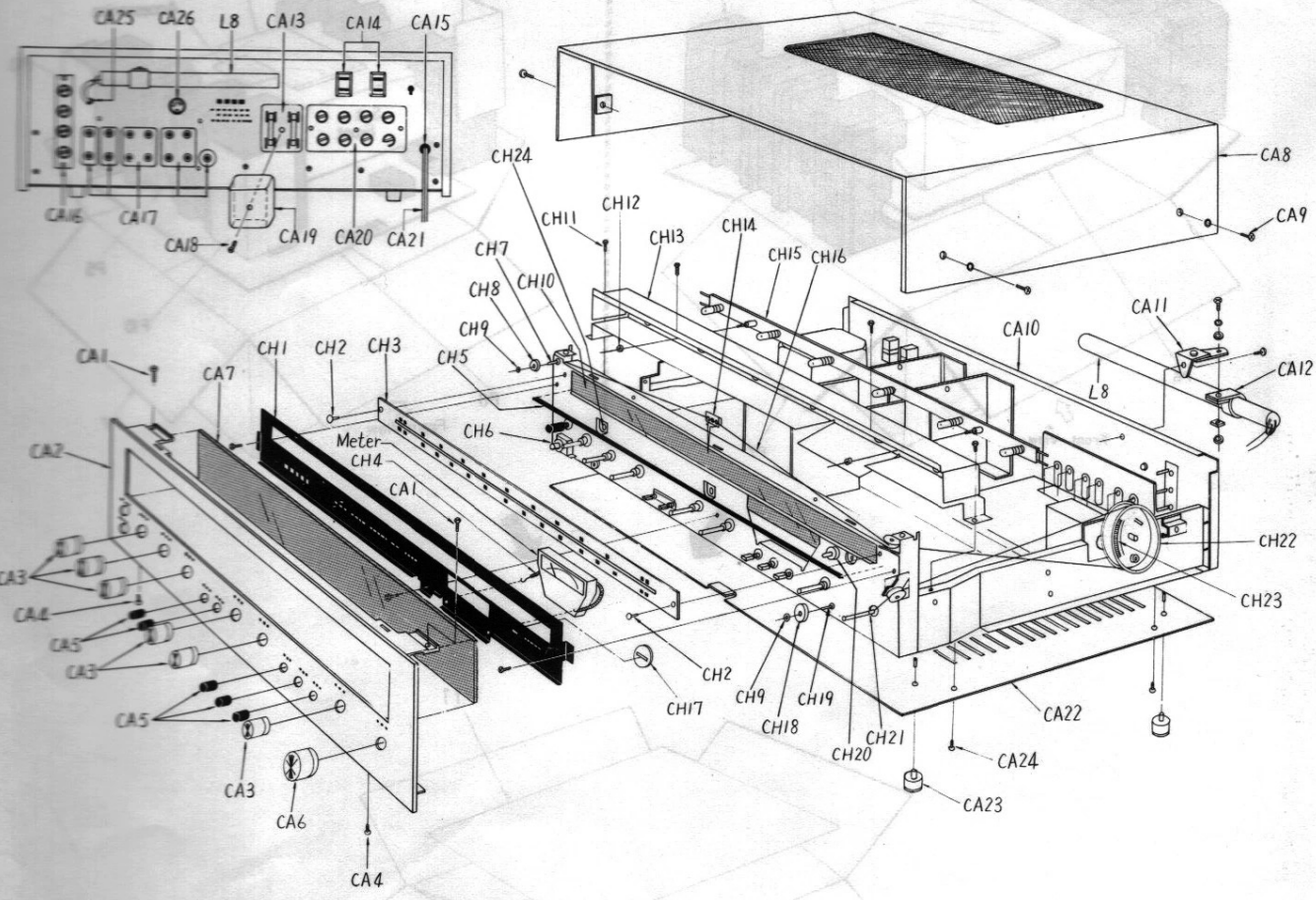
Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
RESISTORS				
R131	ERD14TJ681	68Ω, ¼W, ±5%, Carbon	1	
R234	ERD14TJ151	150Ω, ¼W, ±5%, Carbon	1	
R215, 216, 218	ERD14TJ331	330Ω, ¼W, ±5%, Carbon	3	
R(608,612) ×2 720	ERD14TJ471	470Ω, ¼W, ±5%, Carbon	5	
R(607) ×2	ERD14TJ561	560Ω, ¼W, ±5%, Carbon	2	
R(614) ×2	ERD14TJ821	820Ω, ¼W, ±5%, Carbon	2	
R219, 220 (605) ×2	ERD14TJ102	1kΩ, ¼W, ±5%, Carbon	4	
R(610) ×2	ERD14TJ122	1.2kΩ, ¼W, ±5%, Carbon	2	
R(606) ×2	ERD14TJ152	1.5kΩ, ¼W, ±5%, Carbon	2	
R(613) ×2	ERD14TJ182	1.8kΩ, ¼W, ±5%, Carbon	2	
R203(611) ×2	ERD14TJ222	2.2kΩ, ¼W, ±5%, Carbon	3	
R113	ERD14TJ392	3.9kΩ, ¼W, ±5%, Carbon	1	
R221, 222	ERD14TJ472	4.7kΩ, ¼W, ±5%, Carbon	2	
R513, 514, 515 (602) ×2	ERD14TJ682	6.8kΩ, ¼W, ±5%, Carbon	5	
R503, 504	ERD14TJ103	10kΩ, ¼W, ±5%, Carbon	2	
R525, 526	ERD14TJ183	18kΩ, ¼W, ±5%, Carbon	2	
R(604) ×2	ERD14TJ123	12kΩ, ¼W, ±5%, Carbon	2	
R228	ERD14TJ223	22kΩ, ¼W, ±5%, Carbon	1	
R214	ERD14TJ273	27kΩ, ¼W, ±5%, Carbon	1	
R(609) ×2	ERD14TJ393	39kΩ, ¼W, ±5%, Carbon	2	
R223, 224	ERD14TJ473	47kΩ, ¼W, ±5%, Carbon	2	
R(603) ×2	ERD14TJ563	56kΩ, ¼W, ±5%, Carbon	2	
R201, 225	ERD14TJ104	100kΩ, ¼W, ±5%, Carbon	2	
R205, 206	ERD14TJ184	180kΩ, ¼W, ±5%, Carbon	2	
R(601) ×2	ERD14TJ474	470kΩ, ¼W, ±5%, Carbon	2	
R114	ERD14VJ101	100Ω, ¼W, ±5%, Carbon	1	
R140, 233	ERD14VJ151	150Ω, ¼W, ±5%, Carbon	2	
R217	ERD14VJ331	330Ω, ¼W, ±5%, Carbon	1	
R703, 704	ERD14VJ471	470Ω, ¼W, ±5%, Carbon	2	
R505, 506	ERD14VJ821	820Ω, ¼W, ±5%, Carbon	2	
R115, 116	ERD14VJ102	1kΩ, ¼W, ±5%, Carbon	2	
R509, 510	ERD14VJ152	1.5kΩ, ¼W, ±5%, Carbon	2	
R204, 501, 502	ERD14VJ222	2.2kΩ, ¼W, ±5%, Carbon	3	
R132, 133, 507, 508	ERD14VJ272	2.7kΩ, ¼W, ±5%, Carbon	4	
R134, 135	ERD14VJ332	3.3kΩ, ¼W, ±5%, Carbon	2	
R712	ERD14VJ562	5.6kΩ, ¼W, ±5%, Carbon	1	
R516, 710	ERD14VJ682	6.8kΩ, ¼W, ±5%, Carbon	2	
R707	ERD14VJ103	10kΩ, ¼W, ±5%, Carbon	1	
R716, 717	ERD14VJ183	18kΩ, ¼W, ±5%, Carbon	2	
R207, 208, 227, 708, 713	ERD14VJ223	22kΩ, ¼W, ±5%, Carbon	5	
R213, 229, 230	ERD14VJ273	27kΩ, ¼W, ±5%, Carbon	3	
R511, 512	ERD14VJ393	39kΩ, ¼W, ±5%, Carbon	2	
R711	ERD14VJ473	47kΩ, ¼W, ±5%, Carbon	1	
R211, 212	ERD14VJ563	56kΩ, ¼W, ±5%, Carbon	2	
R202, 209, 210, 226	ERD14VJ104	100kΩ, ¼W, ±5%, Carbon	4	
R125, 231, 232	ERD14VJ564	560kΩ, ¼W, ±5%, Carbon	3	
R(617,620) ×2	ERD14FJ3R3	3.3Ω, ¼W, ±5%, Carbon	4	SAFETY
R702	ERD14FJ100	10Ω, ¼W, ±5%, Carbon	1	SAFETY
R(615,616) ×2	ERD14FJ470	47Ω, ¼W, ±5%, Carbon	4	SAFETY
R(618,619) ×2	ERD14FJ151	150Ω, ¼W, ±5%, Carbon	4	SAFETY
R714, 715	ERD12TJ100	10Ω, ½W, ±5%, Carbon	2	
R709	ERD12TJ330	33Ω, ½W, ±5%, Carbon	1	
R1005, 1006	ERD12TJ470	47Ω, ½W, ±5%, Carbon	2	
R706	ERD12TJ331	330Ω, ½W, ±5%, Carbon	1	
R(610) ×2	ERD12TJ122	1.2kΩ, ½W, ±5%, Carbon	2	
R701, 705	ERD18FJ4R7	4.7Ω, ⅛W, ±5%, Carbon	2	SAFETY
R1001	ERC12ZGK335	3.3MΩ, ½W, ±10%, Solid	1	SAFETY
R(621,622) ×2	ERX2ANJR33	0.33Ω, 2 W, ±5%, Metallic	4	
R718, 719	ERG2ANJ331	330Ω, 2 W, ±5%, Metallic	2	
R1010, 1011	ERD14TJ474	470kΩ, ¼W, ±5%, Carbon	2	
R1012, 1013	ERD14TJ104	100kΩ, ¼W, ±5%, Carbon	2	
VARIABLE RESISTORS				
VR101	EVLS3AA00B54	50kΩ (B), Muting Level Adjustment	1	
VR102	EVLS3AA00B24	20kΩ (B), Signal Meter Adjustment	1	
VR103, 104	EVLS3AA00B14	10kΩ (B), PLL VCO & Separation Adj.	2	
VR501	EVE2DA088G25	200kΩ (G), Balance Control	1	
VR502	EWF49A037BF5	250kΩ (B), Volume Control	1	
VR503, 504	EWF3NA037C15	100kΩ (C), Bass & Treble Control	2	

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
VR(601)×2	EVLS0AA00B52	500Ω (B), ICQ Adjustment	2	
CAPACITORS				
C9	ECCD1H010CC	1pF, 50WV, ±0.25pF, Ceramic	1	
C29	ECCD1H020CC	2pF, 50WV, ±0.25pF, Ceramic	1	
C119	ECCD1H070DC	7pF, 50WV, ±0.5pF, Ceramic	1	
C7, 26	ECCD1H100KC	10pF, 50WV, ±10%, Ceramic	2	
C1	ECCD1H120KC	12pF, 50WV, ±10%, Ceramic	1	
C13, 15	ECCD1H150KC	15pF, 50WV, ±10%, Ceramic	2	
C6	ECCD1H180KR	18pF, 50WV, ±10%, Ceramic	1	
C12	ECCD1H180KS	18pF, 50WV, ±10%, Ceramic	1	
C14, 117	ECCD1H390KC	39pF, 50WV, ±10%, Ceramic	2	
C(604)×2	ECCD1H390K	39pF, 50WV, ±10%, Ceramic	2	
C113	ECCD1H470KR	47pF, 50WV, ±10%, Ceramic	1	
C(606)×2	ECCD1H330K	33pF, 50WV, ±10%, Ceramic	2	
C110, 114, 115, 215, 206	ECCD1H121K	120pF, 50WV, ±10%, Ceramic	5	
C8, 217, 218	ECCD1H181K	180pF, 50WV, ±10%, Ceramic	3	
C104. 129. 150. 151. 152	ECCD1H271K	270pF, 50WV, ±10%, Ceramic	5	
C(609,611)×2	ECCD2H121K	120pF, 500WV, ±10%, Ceramic	4	
C207, 208	ECKD1H821KB	820pF, 50WV, ±10%, Ceramic	2	
C2, 3, 4, 5, 11, 16, 120, 123	ECKD1H102PF	0.001μF, 50WV, $^{+100}_{0}$%, Ceramic	8	
C(610)×2	ECKD1H222PF	0.0022μF, 50WV, $^{+100}_{0}$%, Ceramic	2	
C10, 103, 106, 121, 124, 703, 708, 709, 713	ECKD1H103PF	0.01μF, 50WV, $^{+100}_{0}$%, Ceramic	9	
C21, 22, 122	ECKD1H223PF	0.022μF, 50WV, $^{+100}_{0}$%, Ceramic	3	
C27, 125	ECKD2H103PF	0.01μF, 500WV, $^{+100}_{0}$%, Ceramic	2	
C1001	ECQU2A103MD	0.01μF, 250VAC, ±20% Polyester	1	SAFETY
C25	ECQM05222KZ	0.0022μF, 50WV, ±10%, Polyester	1	
C219, 220	ECQM05272JZ	0.0027μF, 50WV, ±5%, Polyester	2	
C501, 502, 511, 512	ECQM05392KZ	0.0039μF, 50WV, ±10%, Polyester	4	
C221, 222	ECQM05103JZ	0.01μF 50WV, ±5%, Polyester	2	
C143	ECQM05103KZ	0.01μF, 50WV, ±10%, Polyester	1	
C19,101,102,107, 108,111,112,118, 144,138,139	ECQM05223KZ	0.022μF, 50WV, ±10%, Polyester	11	
C24	ECQM05273KZ	0.027μF, 50WV, ±10%, Polyester	1	
C503, 504, 513, 514	ECQM05333KZ	0.033μF, 50WV, ±10%, Polyester	4	
C136, 715, 716	ECQM05473KZ	0.047μF, 50WV, ±10%, Polyester	3	
C505, 506	ECQM05823KZ	0.082μF, 50WV, ±10%, Polyester	2	
C507, 508	ECQM05274KZ	0.27μF, 50WV, ±10%, Polyester	2	
C1002	ECQU2A103MD	0.01μF, 250VAC, ±20%, Polyester	1	SAFETY
C131	ECQS1471JZ-K	470pF, 125WV, ±5%, Styrol	1	
C209, 210	ECEA6V33L	33μF, 6.3WV, Electrolytic	2	
C211, 212	ECEA6V47L	47μF, 6.3WV, Electrolytic	2	
C(602)×2	ECEA6V100L	100μF, 6.3WV, Electrolytic	2	
C203, 204, (603)×2	ECEA6V220L	220μF, 6.3WV, Electrolytic	4	
C109	ECEA10V33L	33μF, 10WV, Electrolytic	1	
C130	ECEA10V47L	47μF, 10WV, Electrolytic	1	
C17, 28, 142	ECEA10V100L	100μF, 10WV, Electrolytic	3	
C707	ECEA10V470L	470μF, 10WV, Electrolytic	1	
C105, 153, 250	ECEA16V10L	10μF, 16WV, Electrolytic	3	
C706	ECEA16V47L	47μF, 16WV, Electrolytic	1	
C23, 116, 127, 137, 140, 141	ECEA25V3R3L	3.3μF, 25WV, Electrolytic	6	
C213, 214	ECEA25V4R7L	4.7μF, 25WV, Electrolytic	2	
C711	ECEA25V100L	100μF, 25WV, Electrolytic	1	
C705, 714, (605)×2	ECEA25V220L	220μF, 25WV, Electrolytic	4	
C223, 224, 704	ECEA25V470L	470μF, 25WV, Electrolytic	3	
C(607)×2	ECEA35V47L	47μF, 35WV, Electrolytic	2	
C710	ECEA35V100L	100μF, 35WV, Electrolytic	1	
C(608)×2	ECEA35V220L	220μF, 35WV, Electrolytic	2	
C18, 20, 126, 134, 215, 216, (601)×2	ECEA50V1G	1μF, 50WV, Electrolytic	8	
C712	ECEA50V33L	33μF, 50WV, Electrolytic	1	
C133	ECAG25ER1X	0.1μF, 25WV, Electrolytic	1	
C135	ECAG25ER33X	0.33μF, 25WV, Electrolytic	1	
C201, 202	ECSZ25EF1	1μF, 25WV, Electrolytic	2	
C701, 702	ECET35R4700Y	4700μF, 35WV, Electrolytic	2	
VARIABLE CAPACITORS				
CV1~5 (CT1~4)	ECV5MX25X20G	Tuning Gang, AM/FM (with Trimmer)	1	
CT5	ECV1ZW06P35	FM OSC Trimmer, 6pF	1	
COMPONENT COMBINATIONS				
Z1	EXAF203Z471	AM Detector	1	
Z101	EXA5DL04C	FM Detector	1	
Z701, 702	RXAF103P22HD	Hum Cancel, 0.01μF(×2), 500WV	2	SAFETY
SWITCHES				
S501	SSRA81	Selector Switch	1	
S502, 503, 505	SSH303S	Tape 1, 2 & Mode Switch	1	○
S506, 507	SSHA56S	Loudness & Muting Switch	1	
S1001	ESRC124F30CE	Speakers Selector Switch	1	
S1002	ESB7040T	Power Switch (with Button)	1	SAFETY
S1002(England)	ESB7051	Power Switch (for England)	1	SAFETY
S1003	SSRA71S	Voltage Selector Switch	1	SAFETY
RELAY and METER				
RLY701	SSYA1	Speaker Protection Relay	1	
	SSMA25-2	Signal Meter	1	
FUSES and LIGHTS				
F1, 2	XBAS2B3002	3A Fuse, Power Source	2	SAFETY
F3, 4	XBAS1A3301	3.3A Fuse, Circuit Protection	2	SAFETY
F5 (England)	XBAS1B1002	1A Fuse (for England)	1	SAFETY
F6	XBAS2B1501	1.5A Fuse, Power Source	1	SAFETY
PL1~6	**XAM35K**	Dial Lamp, 6.3V 0.25A	6	SAFETY
PL7	XAMR38S150A	Stereo Eye, 6.3V 40mA	1	SAFETY
CABINET PARTS				
CA1	XTS3+8BK	Black Screw, Panel M'tg.	2	
CA2	SGW6350	Front Panel	1	○
CA3	SBNA116E	Knob, Speakers, Selector Switch Bass Treble, Balance, Volume Control	6	
CA4	XTV3+8CK	Black Screw, Panel M'tg.	2	
CA5	SBCA56	Button, Push Switches	5	
CA6	SBNA131E	Knob, Tuning	1	
CA7	SGUA34	Glass Plate	1	
CA8 (BRN)	SKAA830	Cabinet (Brown Wood)	1	
CA8 (BLK)	SKAA830-1	Cabinet, (Black Wood)	1	
CA9 (BLK)	XSB4+16KS	Screw, Black Cabinet M'tg.	4	
CA9 (BRN)	XSB4+16BVCS	Screw, Brown Cabinet M'tg.	4	
CA10	SGPA680-1B	Rear Panel	1	○
CA10 (England)	SGPA680-2B	Rear Panel (for England)	1	○
CA11	SMA197	Mounting, AM Antenna Coil	1	
CA12	SMAA6-2	Band, AM Antenna Coil	1	
CA13	**SJFA5201-1**	Fuse Holder, Circuit Protection	1	
CA14	SJSA66-1	Socket, AC Outlet	2	SAFETY
CA15	RHR111	Bushing, AC Cord	1	
CA15 (England)	SHR113	Bushing (for England), AC Cord	1	
CA16	SJFA4401-2	Terminal, Antenna	1	
CA17	SJFA3020-1	Terminal, Input	1	
CA18	XSN26+12	Screw, Fuse Cap M'tg.	1	
CA19	SJFA5202-1	Fuse Cap	1	
CA20	SJFA4803-1	Terminal, Speakers	1	
CA21	SJAA3-1	AC Cord	1	SAFETY
(Holland)	RJP3A	AC Plug (Only for Holland)	1	
CA21 (England)	SJA73	AC Cord (for England)	1	SAFETY
CA22	SKUA440	Bottom Board	1	
CA23	SKL145	Leg	4	
CA24	XTV3+8CFYR	Red Screw, Bottom Board M'tg.	5	
	XSN3+6FYRS	Red Screw, Bottom Board M'tg.	1	
CA25	RHR106	Bushing, AM Antenna Lead Wire	1	
CA26	RJS31-1	DIN Socket, Tape Monitor	1	
CHASSIS PARTS				
CH1	SDHA60-1	Mounting, Meter & Dial Scale	1	○
CH2	SHRA916-1	Lock Pin, Dial Scale	2	
CH3	SKDA530	Dial Scale	1	
CH4	SUSA69	Spring, Meter	1	
CH5	SUMA8-1	Mounting, Dial Scale	1	
CH6	SJJA16	Headphones Jack	1	
CH7	RDY34	Shaft, Pulley (RDR20)	4	
CH8	RDR20	Pulley, Dial Cord	4	
CH9	RNW150-2	Lock Washer, Pulley	5	
CH10	SDUA11	Filter, Dial Light	1	
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 (78¾")]	1 roll	
CH17	SGL51	Orange Filter, Stereo Indicator	1	
CH18	RDR23	Pulley, Dial Cord	1	
CH19	RDY32	Shaft, Pulley (RDR23)	1	

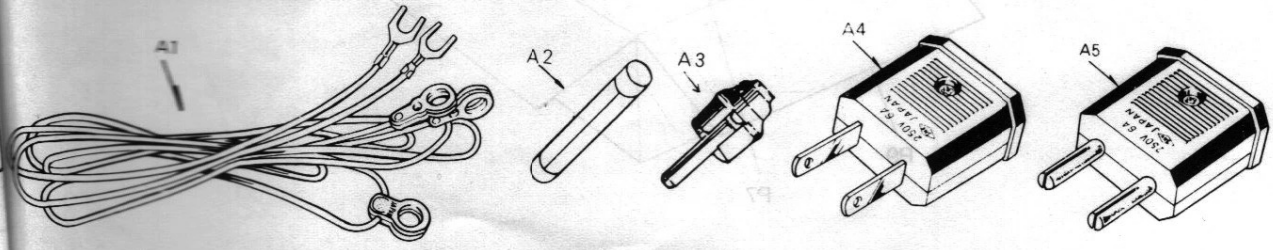
Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
CH20	SHGA204	Rubber Cushion, Stereo Eye	1	
CH21	SDTA10-2S	Tuning Shaft, with Flywheel	1	
CH22	SDDA471S	Drum, Tuning	1	
CH23	SDSA4121	Spring, Drum	1	
	XXAR3H6S	Screw, Drum M'tg.	2	
	SJS5405	4pin Socket, Lead Connector	2	
	SJS5603	6pin Socket, Lead Connector	1	
	SJS41	Pin Clamp(SJS5405, SJS5603)	14	
CH24	SHRA919	Lock Pin, Dial Light Filter	3	
ACCESSORIES				
A1	SSAA3	FM Antenna Cord	1	
A2	XBAS1A3301	Circuit Protection Fuse(3.3A)	2	SAFETY
A3	RJP5	Pin Plug	4	
A4	RJP16AS	AC Plug) Not Belong	1	
A5	RJP17AS	AC Plug) for England	1	
PACKING PARTS				
P1	SPPA16-1	Soft Cover	1	
P2	SPS5	Pad, AM Bar Antenna	1	
P3	SPP163	Polyethylene Bag	1	
P4	SPS1	Pad, Left Side	1	

Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
P5	SPS3	Pad, Right Side	1	
P6	SPS13	Pad, Bottom Board	1	
P7	SPN5085	Carton Box, Inner	1	○
P8	SQF979	Printed Matter, Complete	1	○
P9	SPG511	Carton Box, Outer	1	○
P11	SPNA187	Pad, Upper Carton	1	
PACKING PARTS (for Germany & England)				
P1	SPPA16-1	Soft Cover	1	
P2	SPS5	Pad, AM Bar Antenna	1	
P3	SPP163	Polyethylene Bag	1	
P4	SPS1	Pad, Left Side	1	
P5	SPS3	Pad, Right Side	1	
P6	SPS13	Pad, Bottom Board	1	
P7	SPG513	Carton Box	1	
P8(Germany)	SQF979	Printed Matter (only for Germany)	1	○
P8(England)	SQF983	Printed Matter (only for England)	1	○
P9	.....	Deletion	.....	.....
P11	.....	Deletion	.....	.....

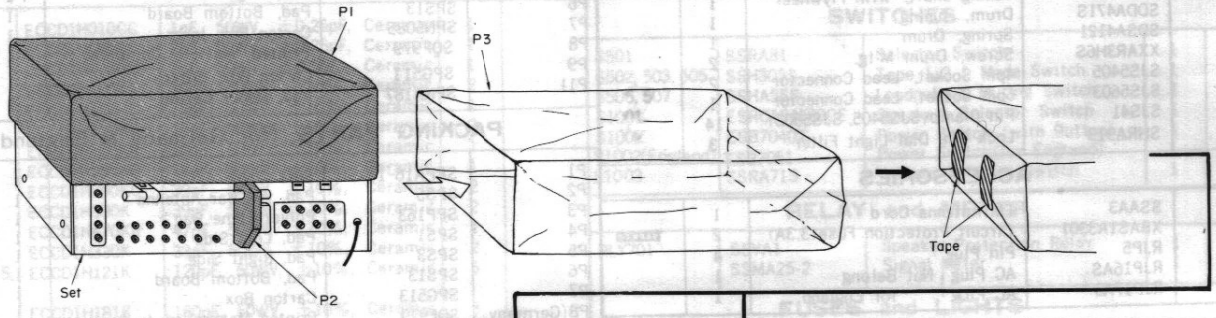
■ SA-5250 CABINET & CHASSIS PARTS LOCATION



■ ACCESSORIES



■ PACKING PARTS



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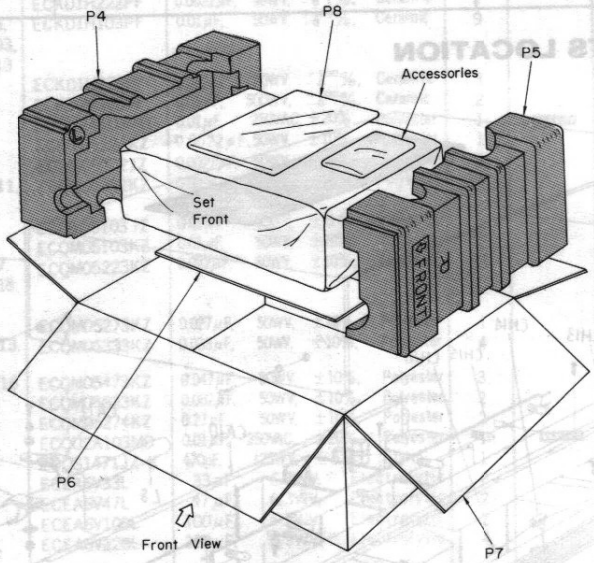

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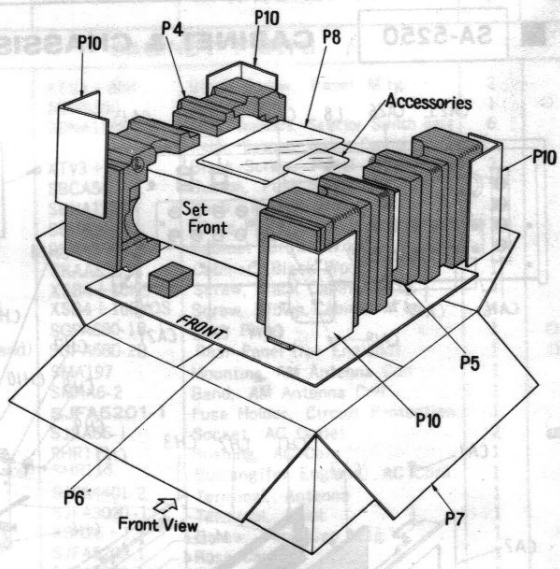

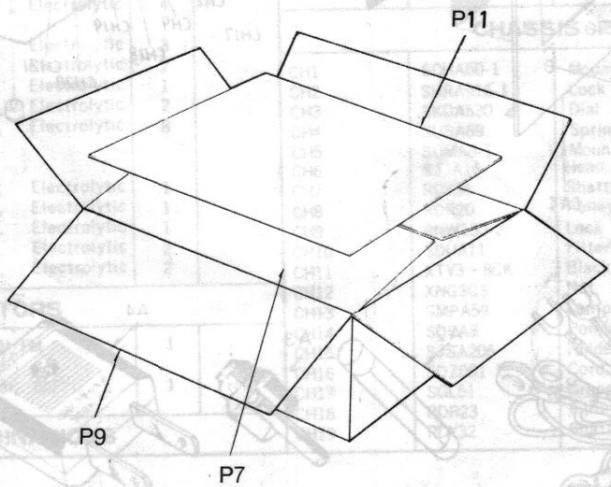

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