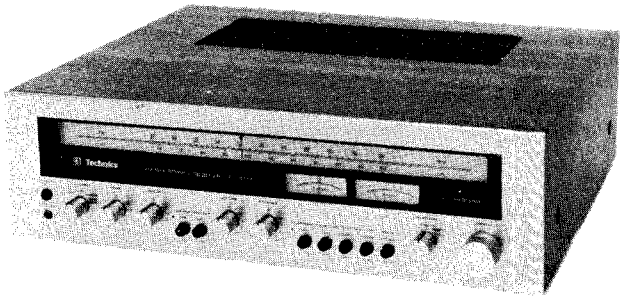
ORDER NO. SD 7504-1011

Service Manual

Technics
HI-FI COMPONENTS
Technics

FM/AM STEREO RECEIVER



MODEL SA-5250

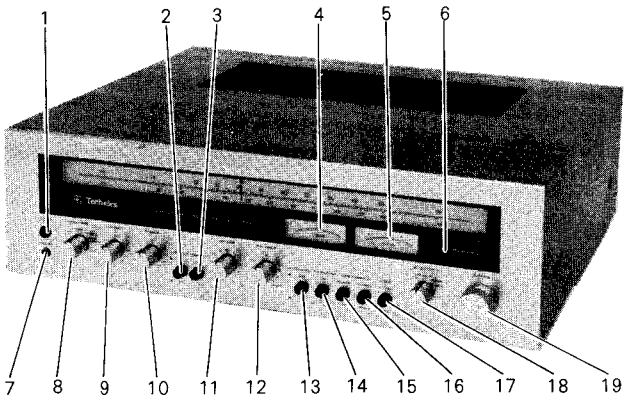
MODEL SA-5550

TECHNICAL SPECIFICATIONS (IHF)		SA-5250	SA-5550
AMPLIFIER SECTION			
1 kHz continuous power	both channels driven	34W+34W (4Ω) 27W+27W (8Ω)	80W+80W (4Ω) 62W+62W (8Ω)
20 Hz~20 kHz continuous power	both channels driven	26W+26W (4Ω) 23W+23W (8Ω)	72W+72W (4Ω) 58W+58W (8Ω)
Power bandwidth (both channels driven 8Ω)		5 Hz~35 kHz, −3dB	5 Hz~45 kHz, −3dB
Total harmonic distortion		0.5%	0.3%
Intermodulation distortion		0.7%	0.4%
Damping factor		20 (8Ω) 10 (4Ω)	40 (8Ω) 20 (4Ω)
Input sensitivity and impedance	PHONO	2mV/50kΩ	2mV/50kΩ
	AUX	180mV/40kΩ	180mV/40kΩ
	TAPE 1, 2 PLAYBACK	180mV/40kΩ	180mV/40kΩ
	TAPE 1 REC/PLAY input	180mV/40kΩ	180mV/40kΩ
S/N (IHF, A)	PHONO	70dB	70dB
	AUX	90dB	90dB
Frequency response	PHONO	RIAA standard curve ±0.5dB	RIAA standard curve ±0.5dB
	AUX	6 Hz~60 kHz, ±3 dB	5 Hz~50 kHz, ±3 dB
Tone control	BASS	50 Hz, +10dB~ −10dB	50 Hz, +10dB~ −10dB
	TREBLE	10 kHz, +10dB~ −10dB	10 kHz, +10dB~ −10dB
Loudness control (volume at −30dB)		50 Hz, +10dB	50 Hz, +10dB
Low filter			150 Hz, −6dB/oct.
High filter			7 kHz, −6dB/oct.
Output voltage TAPE 1, 2 (REC OUT)		180mV	180mV
TAPE 1 REC/PLAY output		30mV	30mV
FM TUNER SECTION			
Frequency range		88~108 MHz	88~108 MHz
Sensitivity		1.9μV	1.8μV
Total harmonic distortion	STEREO	0.4%	0.4%
	MONO	0.3%	0.2%
S/N		70dB	70dB
Frequency response		20 Hz~13 kHz, ±1 dB	20 Hz~15 kHz, ±1 dB
Alternate channel selectivity		70dB	70dB
Capture ratio		1.6dB	1.6dB
Image rejection at 98 MHz		50dB	50dB
IF rejection at 98 MHz		70dB	70dB
Spurious response rejection at 98 MHz		65dB	65dB
AM suppression		50dB	50dB
Stereo separation	1 kHz	40dB	40dB
	10 kHz	30dB	30dB
Leak carrier		−45dB	−55dB
AM TUNER SECTION			
Frequency range		520~1610 kHz	520~1610 kHz
Sensitivity		30μV, 250μV/m	30μV, 230μV/m
Selectivity		25dB	25dB
Image rejection at 1,000 kHz		45dB	45dB
IF rejection at 1,000 kHz		40dB	40dB
GENERAL			
Power consumption		270W	610W
Power supply		110/120/220/240V	110/120/220/240V
Dimensions (W×H×D)		16 17/32" ×5 1/2" ×13 31/32" (420×140×355) mm	18 1/16" ×5 1/2" ×15 3/4" (459×140×400) mm
Weight		18.3 lb. (8.3 kg)	28.2 lb. (12.8 kg)

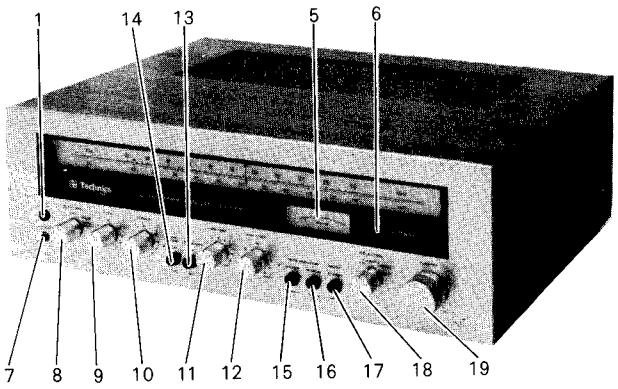
For accommodating future improvements, specifications are subject to change without notice.

Matsushita Electric
Matsushita Electric Trading Co., Ltd.
P. O. Box 288, Central Osaka Japan

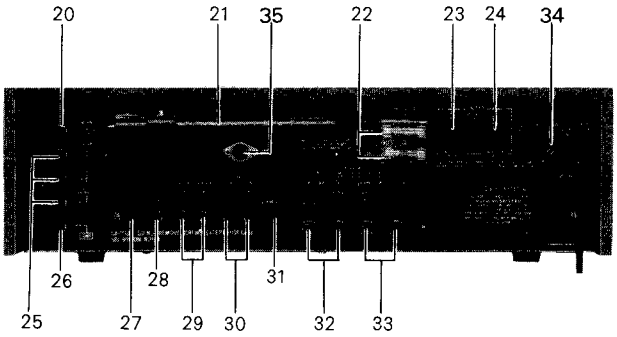
■ LOCATION OF CONTROLS



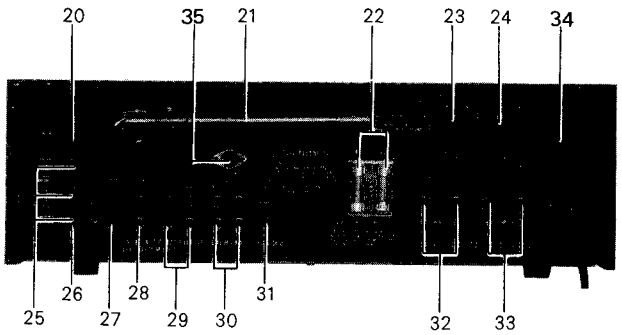
SA-5550



SA-5250



SA-5550

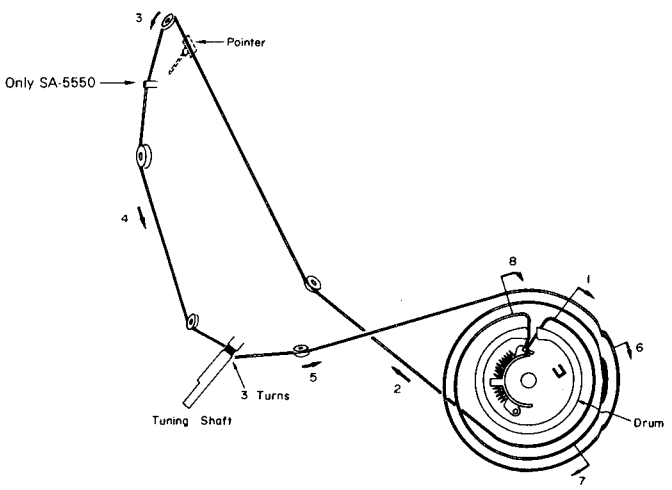


SA-5250

1. POWER SOURCE SWITCH
2. LOW FILTER SWITCH
3. HIGH FILTER SWITCH
4. FM TUNING METER
5. SIGNAL METER
6. STEREO INDICATOR (STEREO EYE)
7. HEADPHONES JACK
8. SPEAKERS SELECTOR SWITCH
9. BASS CONTROL
10. TREBLE CONTROL
11. VOLUME CONTROL
12. BALANCE CONTROL
13. LOUDNESS SWITCH
14. FM MUTING SWITCH
15. TAPE MONITOR (TAPE 1) SWITCH
16. TAPE MONITOR (TAPE 2) SWITCH
17. MODE SWITCH
18. SELECTOR SWITCH
19. TUNING CONTROL
20. AM ANTENNA TERMINAL
21. AM FERRITE CORE ANTENNA
22. CIRCUIT PROTECTION FUSES
23. AC OUTLET (Switched) } Not attach
24. AC OUTLET (Unswitched) } for England
25. FM ANTENNA TERMINALS
26. GROUND TERMINAL
27. PHONO INPUT TERMINALS
28. AUX INPUT TERMINALS
29. TAPE MONITOR (TAPE 2) TERMINALS
30. TAPE MONITOR (TAPE 1) TERMINALS
31. 4CH MPX OUTPUT TERMINAL
32. MAIN SPEAKER TERMINALS
33. REMOTE SPEAKER TERMINALS
34. VOLTAGE SELECTOR SWITCH
35. TAPE MONITOR 1 DIN SOCKET

■ DIAL CORD INSTALLATION GUIDE

1. Dial cord length is 90 $\frac{5}{8}$" (230cm).
2. Tuning gang is positioned at maximum capacity. (Frequency is minimum)
3. Arrow marks (1~8) indicate correct order and direction of stringing dial cord.



ALIGNMENT INSTRUCTIONS.....READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

Note : The "I_{CQ}" adjustment should be started 1~2 minutes after setting the power switch to the ON position.

	CIRCUIT	DC VTVM CONNECTION	ADJUSTMENT POINTS	REMARKS
	MAIN AMP ALIGNMENT.....Only Model SA-5550			
1	DC UNBALANCE	Connect DC VTVM between point Ⓨ and point Ⓩ (Left and Right channels)	VR601 [Left and Right channel]	Make sure that DC VTVM becomes 0mV.
2	I_{CQ}	Connect DC VTVM between point Ⓧ [Positive side] and point Ⓨ [Negative Side]. (Left and Right channels)	VR602 [Left and Right channel]	Make adjustments so that the indication on DC VTVM becomes 3 mV.
	MAIN AMP ALIGNMENT.....Only Model SA-5250			
3	I_{CQ}	Connect DC VTVM between point Ⓩ [Positive side] and point Ⓨ [Negative side]. (Left and Right channels)	VR601 [Left and Right channel]	Make adjustment so that the indication on DC VTVM becomes 5 mV.

Notes :

1. Volume control .....Maximum
   Variable (FM-IF Alignment)
2. Balance control .....Center
3. Mode switch .....Stereo
4. FM muting switch .....Off
5. Selector switch .....AM (AM Alignment)
   FM Auto (FM Alignment)
6. Tape monitor switch.....Source
7. Maintain line voltage at rated voltage.
8. Output of signal generator should be no higher than necessary to obtain an output reading.

	SIGNAL GENERATOR or SWEEP GENERATOR		RECEIVER DIAL SETTING	VTVM or SCOPE CONNECTION		ADJUSTMENT POINTS		REMARKS
	CONNECTION	FREQUENCY	[DISTANCE]	SA-5550	SA-5250	SA-5550	SA-5250	
	AM ALIGNMENT							
4	High side through 0.001 μF to TP5, Common to chassis.	455 kHz Set for England to 470kHz	Point of non-interference.	**TP1**	**TP1**	Coil T2 (1st IF) T3 (2nd IF)	Coil T1 (1st IF) T2 (2nd IF)	Adjust for maximum output.
5	Fashion loop of several turns of wire and radiate signal into loop of receiver.	600 kHz (30% Mod. with 400 Hz)	600 kHz [15.7mm (5/8")]	Speaker terminals of set.		Coil T1 (OSC) L10 (ANT)	Coil L9 (OSC) L8 (ANT)	Adjust for maximum output.
6		1500 kHz (30% Mod. with 400 Hz)	1500 kHz [191.3mm (7 17/32")]	Speaker terminals of set.		Trimmer CT5 (OSC) CT4 (ANT)	Trimmer CT4 (OSC) CT3 (ANT)	Adjust for maximum output. Repeat steps (5) and (6).
	FM-IF ALIGNMENT							
7			Point of non-interference.	Speaker terminals of set		T101 (DISCRI) [Primary]	T102 (DISCRI) [Primary]	Adjust for maximum output noise.
8			Point of non-interference.		Between **TP4** and **101** terminal	T101 (DISCRI) [Secondary]	T101 (DISCRI) [Secondary]	SA-5550...Adjust for center of tuning meter indication. SA-5250...Make sure that DC VTVM becomes 0V.
	FM-RF ALIGNMENT							
9	Connect to FM antenna terminal through FM dummy antenna (300Ω).	90 MHz (100% Mod. with 400 Hz)	90 MHz [29.2mm (1 1/8")]	Speaker terminals of set.		L6 (FM OSC Coil)* L4 (FM DET Coil) L2 (FM ANT Coil)		Adjust for maximum output.
10		106 MHz (100% Mod. with 400 Hz)	106 MHz [186.2mm (7 5/16")]	Speaker terminals of set.		Trimmer CT3 (OSC) CT2 (DET) CT1 (ANT)	Trimmer CT5 (OSC) CT2 (DET) CT1 (ANT)	Adjust for maximum output.
	* Use six cornered alignment tool for aligning FM OSC coil (L6).							
	FM-MONO DISTORTION ALIGNMENT							
11	Connect to FM antenna terminal through FM dummy antenna (300Ω).	98 MHz (100% Mod. with 400 Hz)	98 MHz	Connect distortion meter to speaker terminals.		T101 (FM DISCRI) [Primary]	T102 [Primary]	Adjust for minimum distortion
12			Point of non-interference.		Connect DC VTVM to **TP4** and **101** terminal.	T102 (FM DISCRI) [Secondary]	T101 [Secondary]	SA-5550...Adjust for center of tuning meter indication. SA-5250...Make sure that DC VTVM becomes 0V.
	SIGNAL METER ALIGNMENT							
13	Connect to FM antenna terminal through FM dummy antenna (300Ω).	98 MHz (30% Mod. with 400 Hz) [Output 22 dB]	98 MHz	Signal meter of set.		T102	T104	Adjust for maximum indication.
14						T103	T103	Adjust for minimum indication.
15		98 MHz (30% Mod. with 400Hz) [Output 72 dB]	98 MHz	Signal meter of set.		VR101	VR102	Adjust for about 4.7 point of signal meter indication.

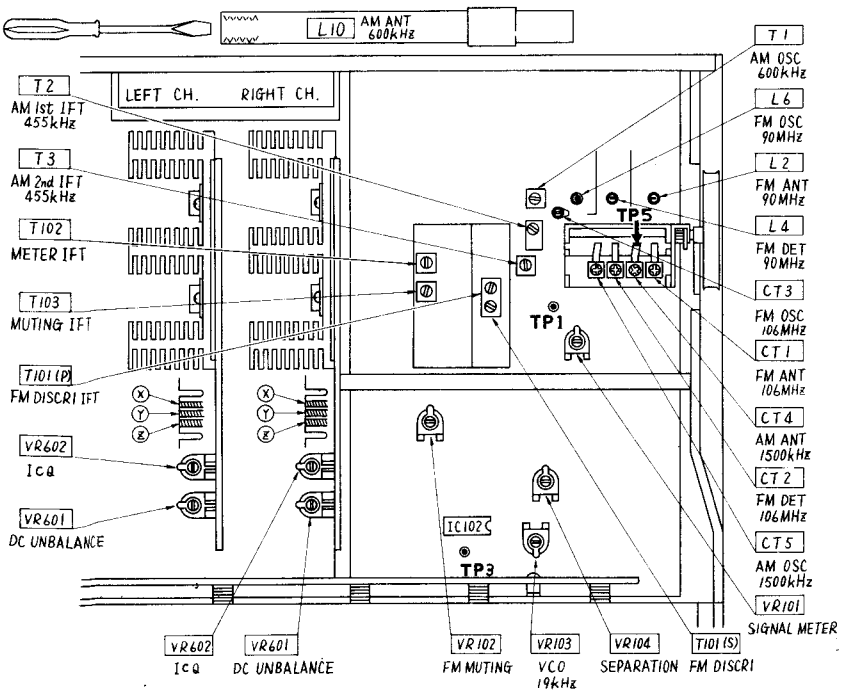
	SIGNAL GENERATOR		RECEIVER DIAL SETTING	VTVM or SCOPE CONNECTION		ADJUSTMENT POINTS		REMARKS
	CONNECTION	FREQUENCY		SA-5550	SA-5250	SA-5550	SA-5250	
	MUTING LEVEL ALIGNMENT							
	Note : FM muting switch to ON position.							
16	Connect to FM antenna terminal through FM dummy antenna (300Ω).	98MHz 100% Mod. with 400Hz) [Output 28dB, IHF]	98MHz (Input Level 16dB)	Speaker terminals of set.		VR102	VR101	Adjust so that output can be obtained.

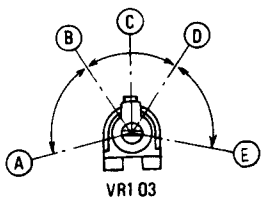
	When use the frequency counter	When not use the frequency counter
	FM MPX PILOT ALIGNMENT	
17	① 98MHz Non-modulation mono signal applied to set. ② Connect the frequency counter through 100kΩ resistor to **TP3**, Common to chassis. ③ Adjust VR103 to 19kHz±100Hz.	① Stereo signal applied to set or receive the FM stereo station. ② Adjust VR103 to lighting point of stereo indicator and sement contactor of VR103 as shown fig. 1.

Notes :
Stereo-modulator ..... Connect stereo-modulator output to EXT. MOD. terminal of signal generator.
Inter OSC ..... 1kHz Pilot signal modulation 10%
Signal generator ..... Frequency approximately/98MHz, Output level/72dB (IHF), Modulation mode to FM
1. Selector switch ..... FM Auto
2. Balance control ..... Center
3. Mode switch ..... stereo
4. Maintain line voltage at rated voltage.

	SIGNAL GENERATOR CONNECTION	STEREO MODULATOR MODE and MOD. RATE	INDICATOR (VTVM or SCOPE)	ADJUSTMENT POINTS	REMARKS
	SEPARATION ALIGNMENT				
18	FM antenna terminal through dummy antenna.	L (and R) 30% Mod.	VTVM across speaker terminals through low pass filter. Refer to fig. 2.	VR104	Adjust for minimum right (and left) output.

■ SA-5550 ALIGNMENT POINTS





A~B, D~E : Stereo OFF Position.
B~D : Stereo ON Position (Indicator Lighting)
C : Adjust Point of Pilot Circuit.

Fig. 1

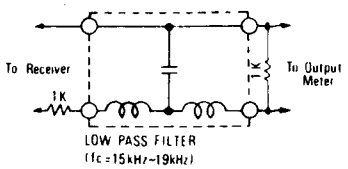
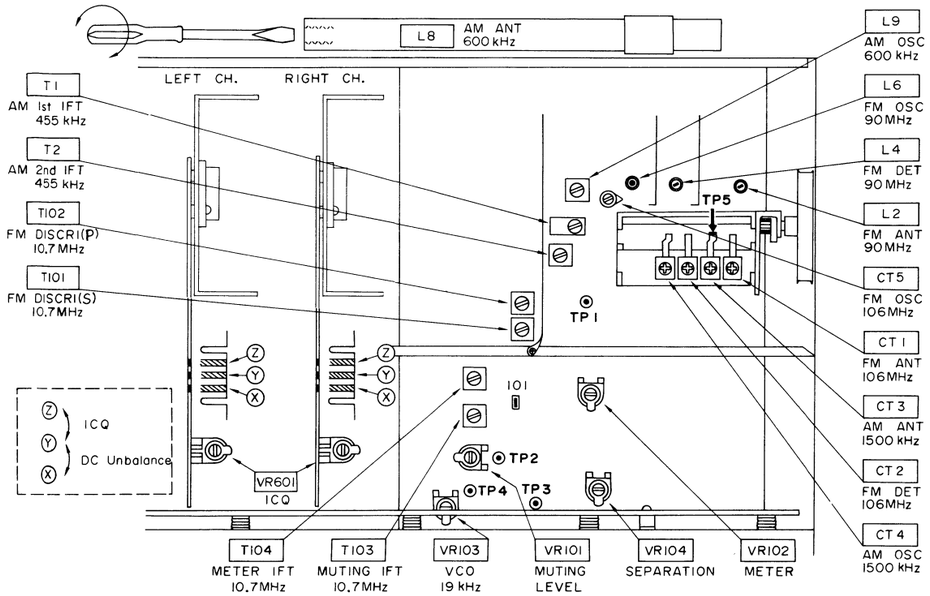


Fig. 2

■ SA-5250 ALIGNMENT POINTS



■ SA-5550 MAIN AMPLIFIER CIRCUIT BOARD.....Left ch. or Right ch.

(Left channel is same as Right channel.)

TR601	
	AF
C	-43.3V
B	0.2 V
E	0.8 V

TR602	
	AF
C	-43.6V
B	0.2 V
E	0.8 V

TR603	
	PRE DRIVER
C	- 1.1 V
B	-43.8V
E	-44.3V

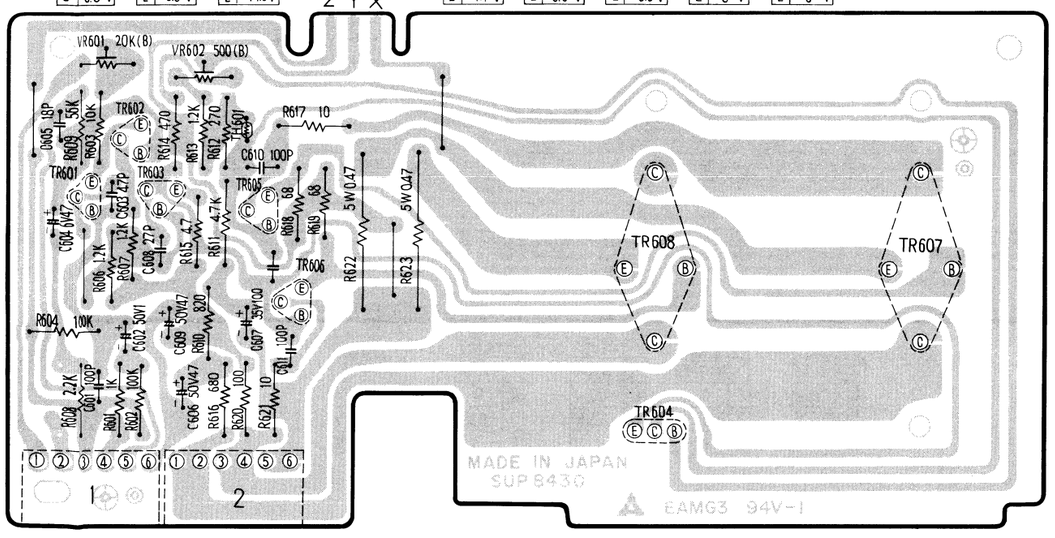
TR604	
	THERMAL COMP.
C	-0.6 V
B	1.1 V
E	-1.1 V

TR605	
	DRIVER
C	44.8V
B	1.1 V
E	0.6 V

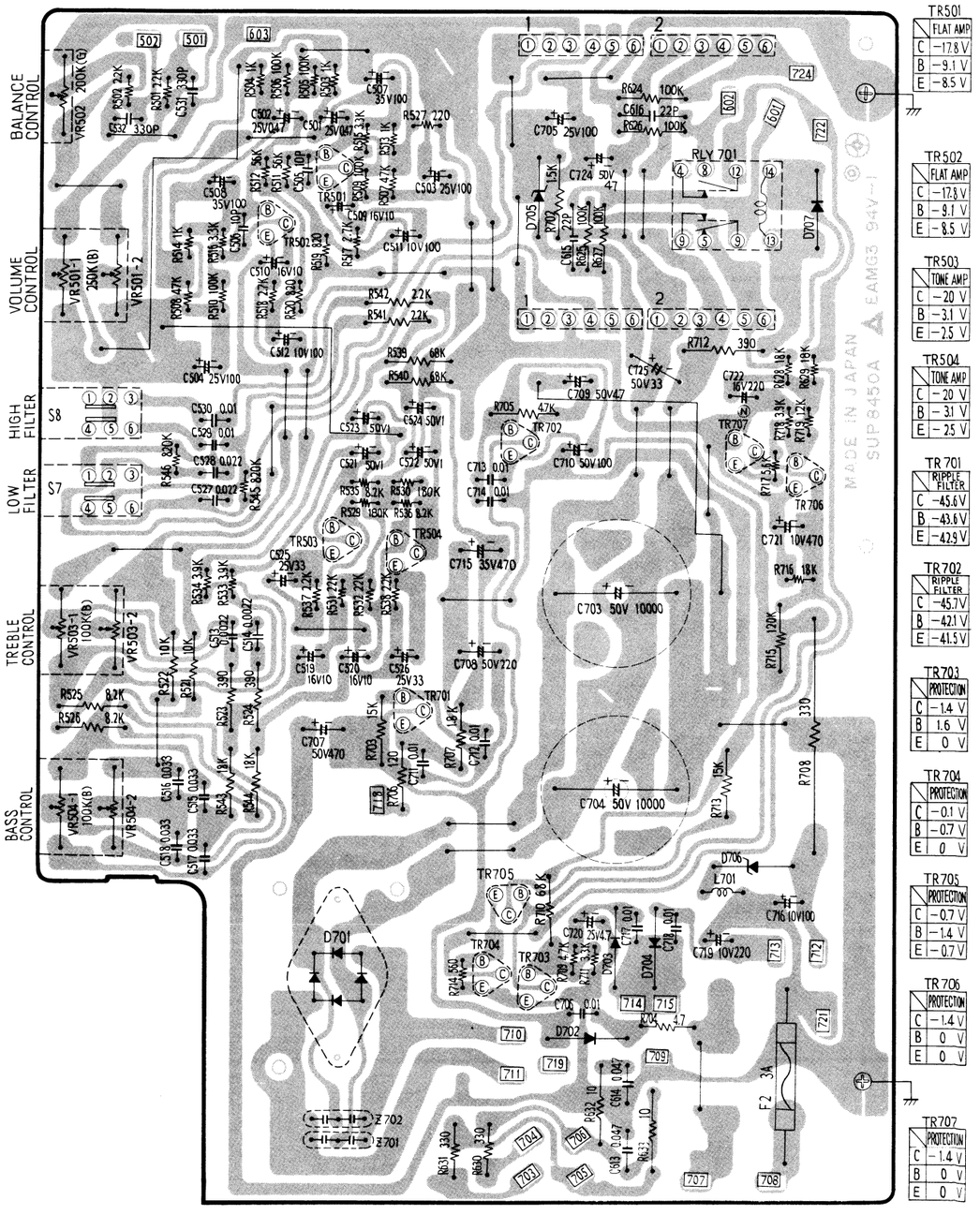
TR606	
	DRIVER
C	- 44.8V
B	- 1.1 V
E	- 0.6 V

TR607	
	POWER
C	45.0V
B	0.6 V
E	0 V

TR608	
	POWER
C	-45.0V
B	-0.6 V
E	0 V



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



TR501	
	FLAT AMP
C	-17.8 V
B	-9.1 V
E	-8.5 V

TR502	
	FLAT AMP
C	-17.8 V
B	-9.1 V
E	-8.5 V

TR503	
	TONE AMP
C	- 20 V
B	-3.1 V
E	-2.5 V

TR504	
	TONE AMP
C	- 20 V
B	-3.1 V
E	-2.5 V

TR701	
	RIPPLE FILTER
C	-45.6V
B	-43.6V
E	-42.9V

TR702	
	RIPPLE FILTER
C	-45.7V
B	-42.1 V
E	-41.5V

TR703	
	PROTECTION
C	-1.4 V
B	1.6 V
E	0 V

TR704	
	PROTECTION
C	-0.1 V
B	-0.7 V
E	0 V

TR705	
	PROTECTION
C	-0.7 V
B	-1.4 V
E	-0.7 V

TR706	
	PROTECTION
C	-1.4 V
B	0 V
E	0 V

TR707	
	PROTECTION
C	-1.4 V
B	0 V
E	0 V

SA-5550 FM/AM TUNER, AF AMPLIFIER & EQUALIZER CIRCUIT BOARD (Bottom View)

Printed Resistor

Circuit View on Top of P.C.B

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

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

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

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

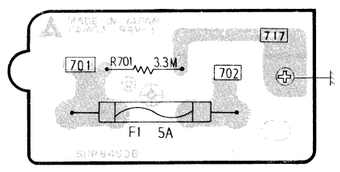
TR101

	FM-IF
C	0 V
B	−7.6 V
E	−8.3 V

IC101

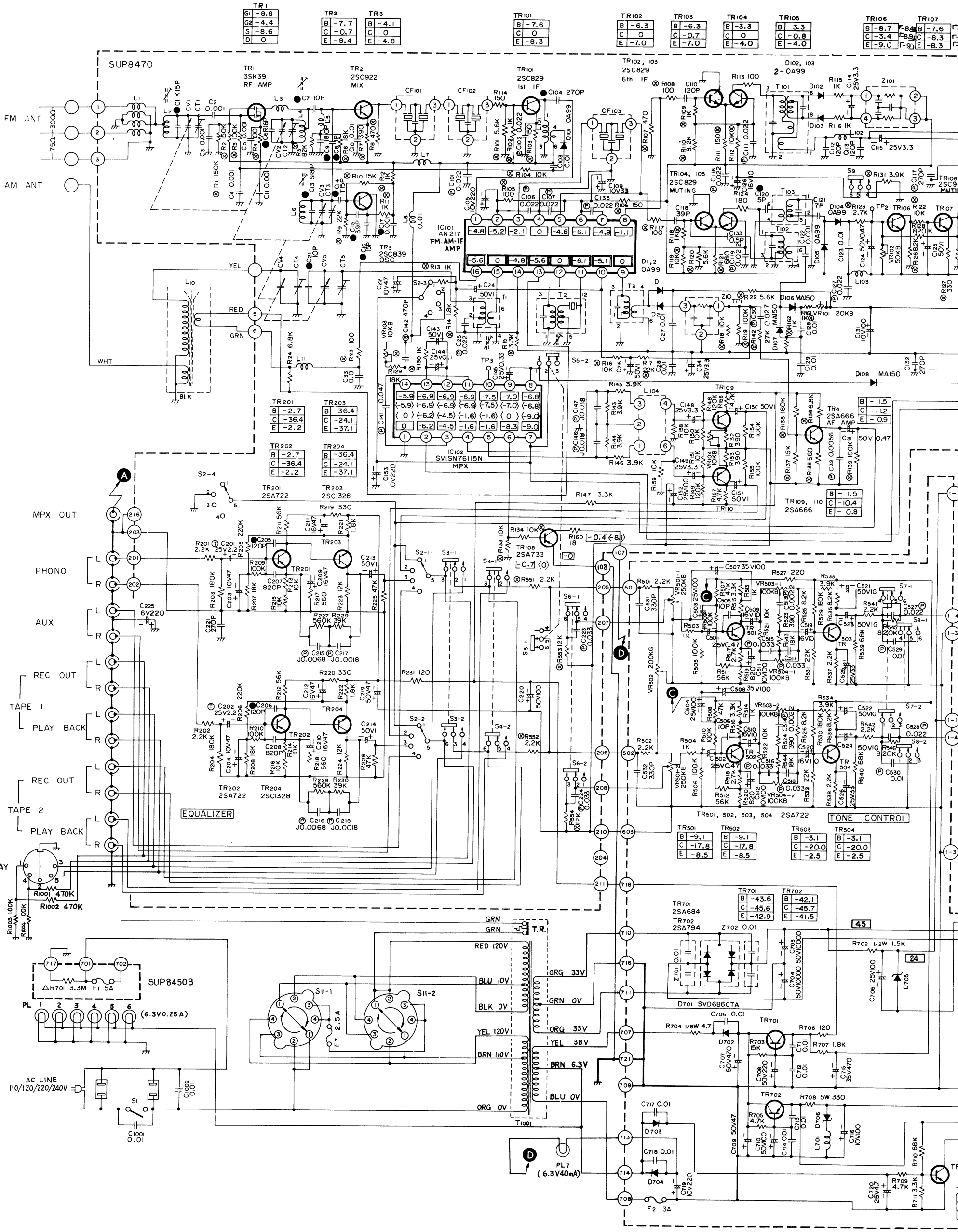
	FM		AM
1	−4.8 V	9	0 V
2	−5.2 V	10	−5.1 V
3	−2.1 V	11	−6.1 V
4	0 V	12	0 V
5	−4.8 V	13	−5.6 V
6	−6.1 V	14	−4.8 V
7	−4.8 V	15	0 V
8	−1.1 V	16	−5.6 V

SA-5550 AC FUSE CIRCUIT BOARD

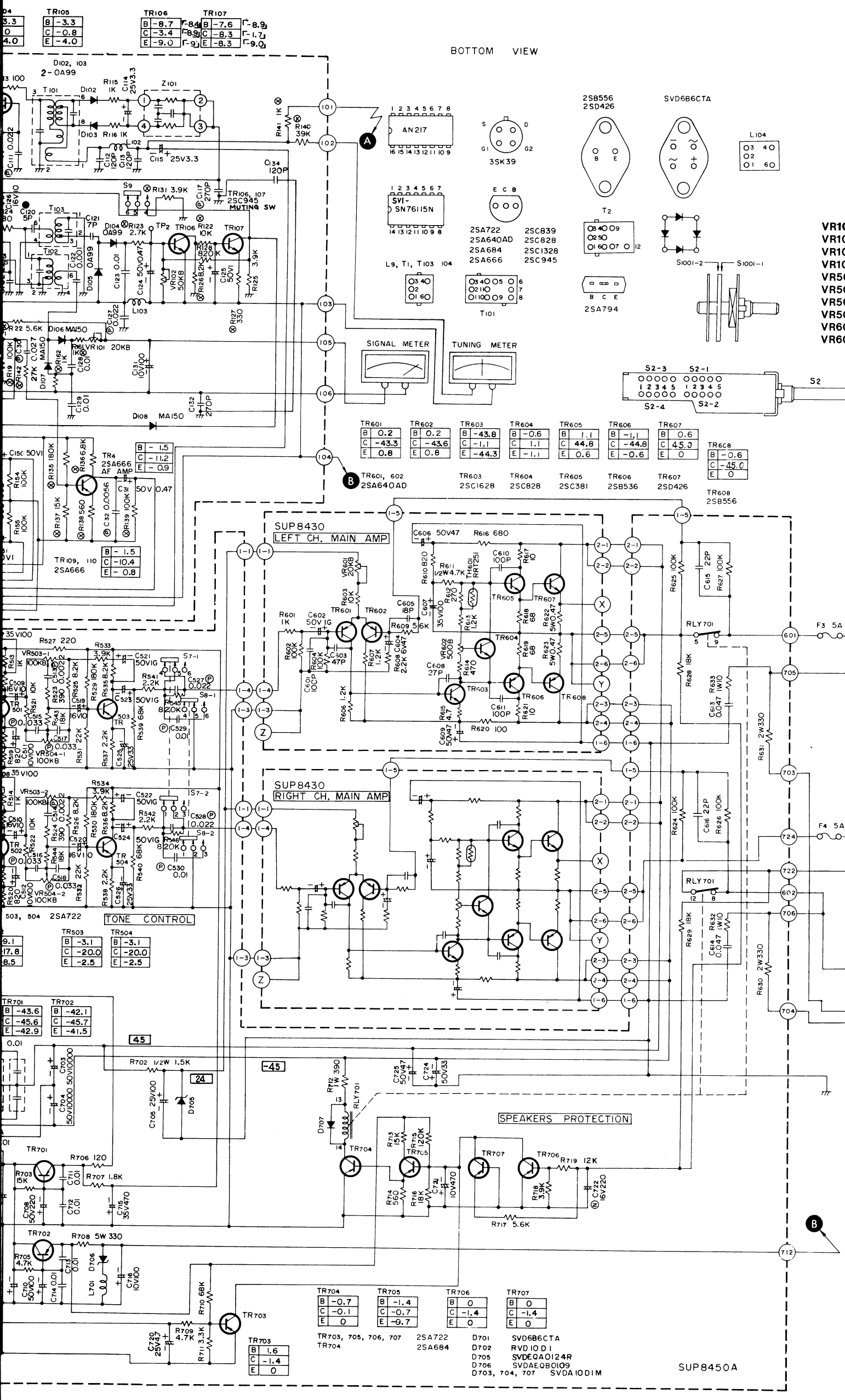


Schematic Diagram ..... Model SA-5550

(This schematic diagram may be modified at any time with the developmer



ified at any time 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

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

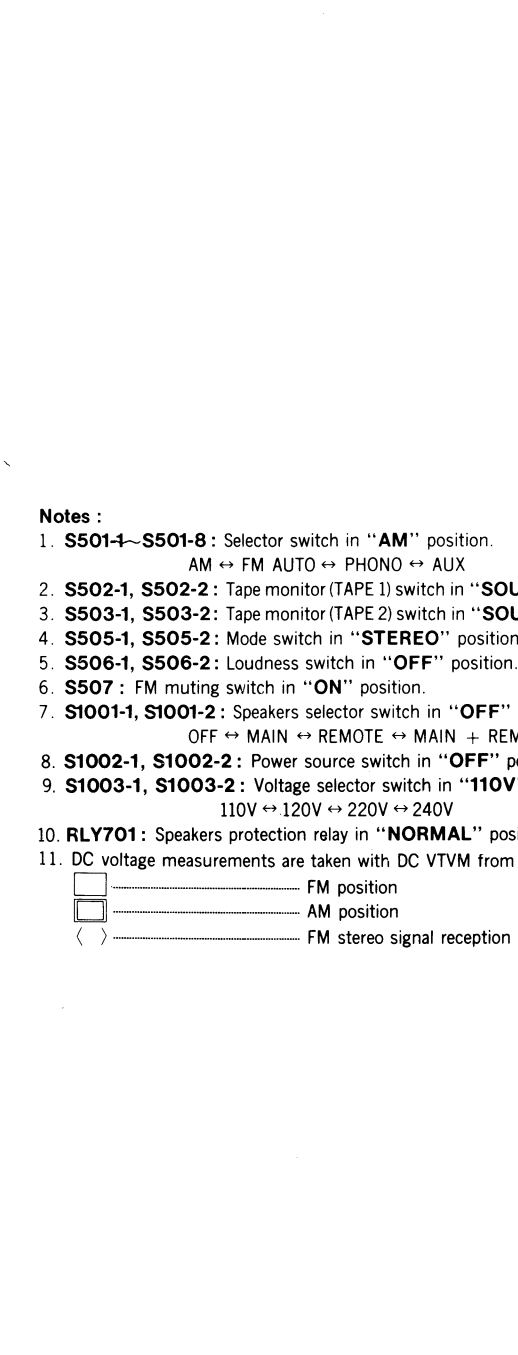
Schematic Diagram ..... Model SA-5250

(This schematic diagram may be modified at any time with the develop

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



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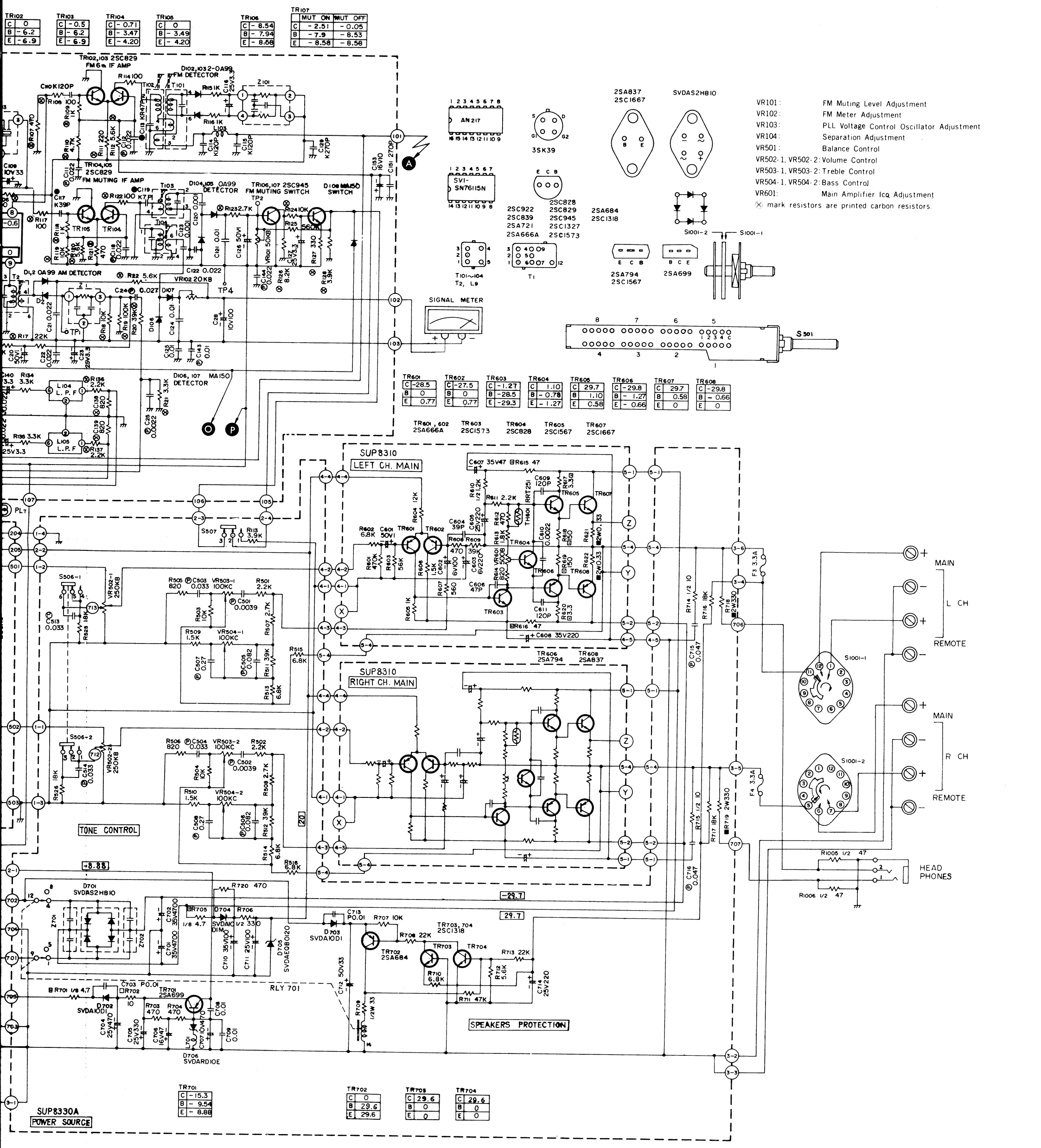
fied at any time with the development of new technology.)



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

■ Printed Resistor

Circuit View on Top of P.C.B.

TR204	
	AF
C	8.11 V
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

TR201	
	AF
C	16.7 V
B	1.86 V
E	1.33 V

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

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

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

TR104	
	FM
C	-0.71 V
B	-3.47 V
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	-7.27 V
E	-7.98 V

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

TR2	
	FM
C	-0.54 V
B	-7.32 V
E	-8.04 V

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

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

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

SELECTOR

Stereo Eye (PL7)

MODE S505

TAPE 2 S503

TAPE 1 S502

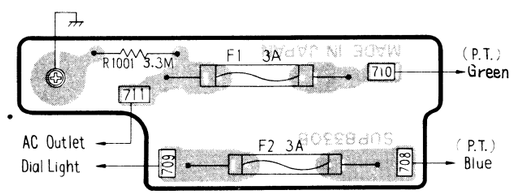
BALANCE CONTROL VR501 200K(G)

AUX

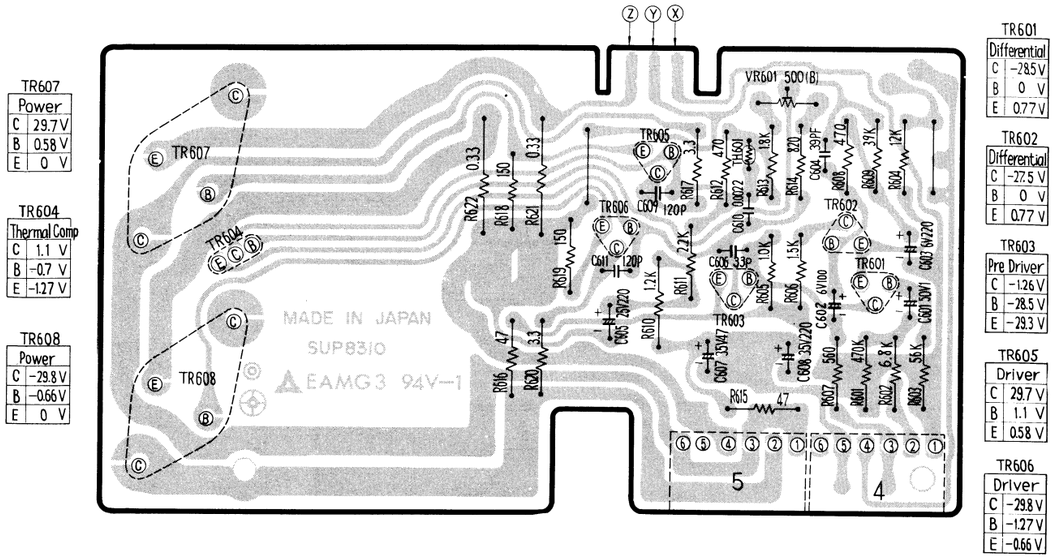
REC OUT — TAPE 2 PLAYBACK

REC OUT — TAPE 1 PLAYBACK

■ SA-5250 AC FUSE CIRCUIT BOARD



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



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

■ SA-5550 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

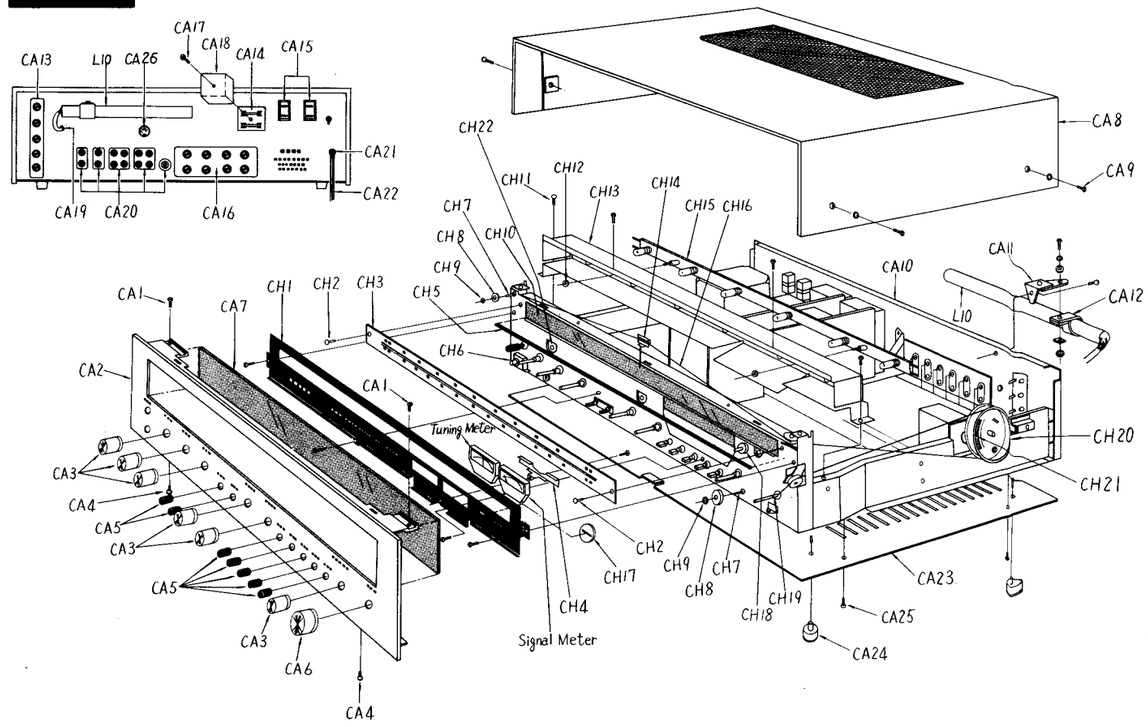
Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
CERAMIC FILTERS				
CF101, 102, 103	SVF107MA8A	FM IF Circuit, Red, 10.7MHz	each 3	
	SVF107MA8B	FM IF Circuit, Blue. 10.67MHz		
	SVF107MA8C	FM IF Circuit, Orange. 10.73MHz		
	SVF107MA8D	FM IF Circuit, Black. 10.64MHz		
	SVF107MA8E	FM IF Circuit, White. 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	

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, R24	ERF5AKR47	0.47Ω, 5W, ±10%, Non-Flammable Wire	4	○ SAFETY
R1001, 1002	ERD14TJ682	6.8kΩ, ¼W, ±5%, Carbon	1	
R1003, 1004	ERD14TJ474	470kΩ, ¼W, ±5%, Carbon	2	
	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	
C615, 616	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	ECKD1H821KB	820pF, 50WV, ±10%, Ceramic	2	
C2, 3, 4, 5, 11, 17, 122, (612) ×2	ECKD1H102PF	0.001μF, 50WV, $\pm^{100}_{0}$%, Ceramic	9	
C531, 532	ECCD1H331K	330pF, 50WV, ±10 %, Ceramic	2	
C10, 27, 28, 33, 103, 123, 128, 129, 711, 712, 713, 714, 717, 718	ECKD1H103PF	0.01μF, 50WV, $\pm^{100}_{0}$%, Ceramic	14	
C706	ECKD2H103PE	0.01μF, 500WV, $\pm^{100}_{0}$%, Ceramic	1	
C217, 218	ECQM05182JZ	0.0018μF, 50WV, ± 5%, Polyester	2	
C513, 514	CCQM05222KZ	0.0022μF, 50WV, ±10%, Polyester	2	
C215, 216	ECQM05682JZ	0.0068μF, 50WV, ± 5%, Polyester	2	
C32	ECQM05562KZ	0.0056μF, 50WV, ±10%, Polyester	1	
C529, 530	ECQM05103KZ	0.01μF, 50WV, ±10%, Polyester	2	
C25, 101, 102, 106 107, 108, 111, 116, 135, 119, 127, 527, 528	ECQM05223KZ	0.022μF, 50WV, ±10%, Polyester	13	
C146, 147	ECQM05183JZ	0.018μF, 50WV, ± 5%, Polyester	2	
C30	ECQM05273KZ	0.027μF, 50WV, ±10%, Polyester	1	
C223, 224, 515, 516, 517, 518	ECQM05333KZ	0.033μF, 50WV ±10%, Polyester	6	
C141, 613, 614	ECQM05473KZ	0.047μF, 50WV, ±10%, Polyester	3	
C1001, 1002	ECQU2A103M	0.01μF, 250VAC, ±20%, Polyester	2	SAFETY
C142	ECQS1471JZ-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	
C 126, 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	○

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



■ 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.

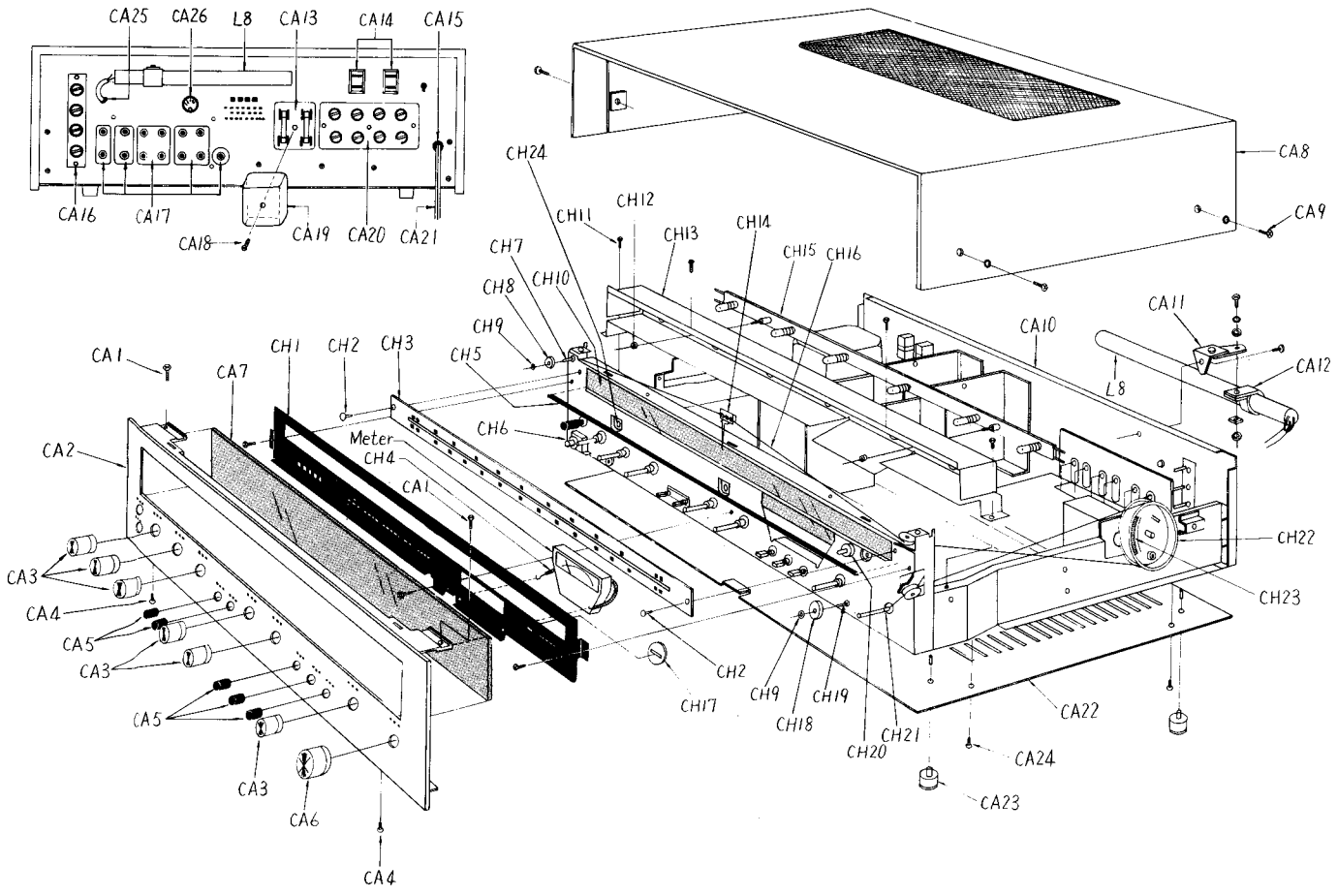
Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
INTEGRATED CIRCUITS				
IC101	AN217BB	FM IF, AM RF & AM IF Amplifier	1	
IC102	SV1SN76115N	PLL Type FM MPX	1	
TRANSISTORS				
TR1	3SK39-Q	FM RF Amplifier	1	
TR2	2SC922-M	FM Mixer	1	
TR3	2SC839-H	FM Oscillator	1	
TR101,102,103, 104,105	2SC829-C	FM IF 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	2-0A99	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	SLQA 4N9	FM Oscillator Coil	1	
L7,101,103,701	SLQX101-2D	Choke Coil	4	
L8	SLFA2E22	AM Antenna Coil	1	
L9	SLQA2C6	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	

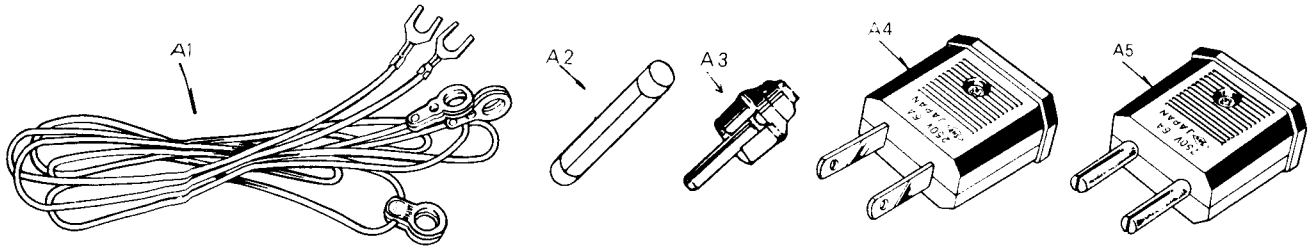
Ref. No.	Part No.	Description	Per Set (Pcs.)	Remarks
VR(601)×2	EVLS0AA00B52	500Ω (B), ICQ Adjustment	2	
CAPACITORS				
C9	ECCD1H010CC	1pF, 50WV, ±0.25pF, Ceramic	1	
C29	ECCD1H020CC	2pF, 50WV, ±0.25pF, Ceramic	1	
C119	ECCD1H070DC	7pF, 50WV, ±0.5pF, Ceramic	1	
C7, 26	ECCD1H100KC	10pF, 50WV, ±10%, Ceramic	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%, Ceramic	8	
C(610)×2	ECKD1H222PF	0.0022μF, 50WV, +100%, Ceramic	2	
C10, 103, 106, 121, 124, 703, 708, 709, 713	ECKD1H103PF	0.01μF, 50WV, +100%, Ceramic	9	
C21, 22, 122	ECKD1H223PF	0.022μF, 50WV, +100%, Ceramic	3	
C27, 125	ECKD2H103PF	0.01μF, 500WV, +100%, 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	
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	
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	.....	.....

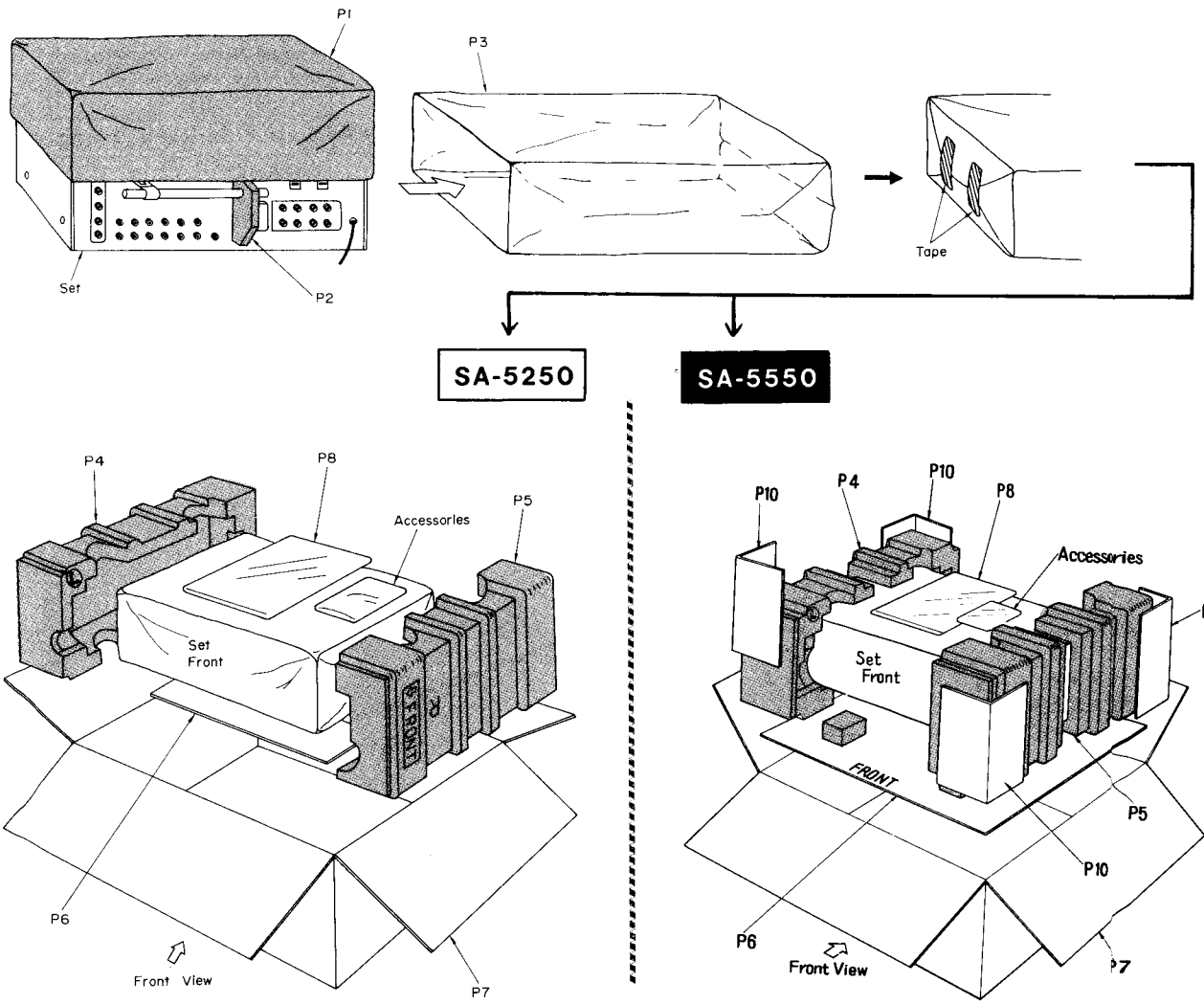
■ SA-5250 CABINET & CHASSIS PARTS LOCATION

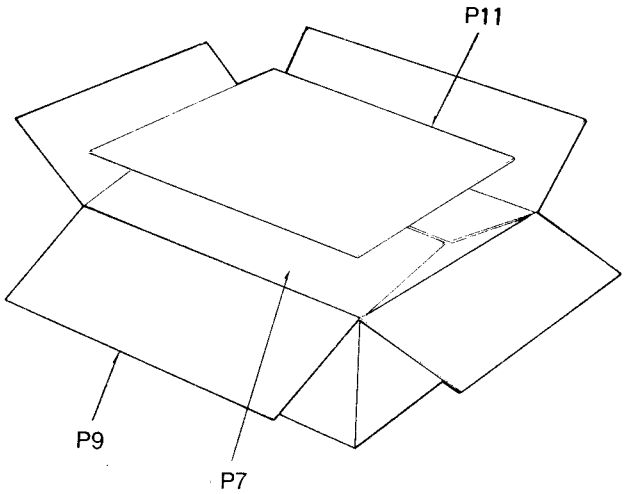


■ ACCESSORIES



■ PACKING PARTS





Printed in Japan (K)