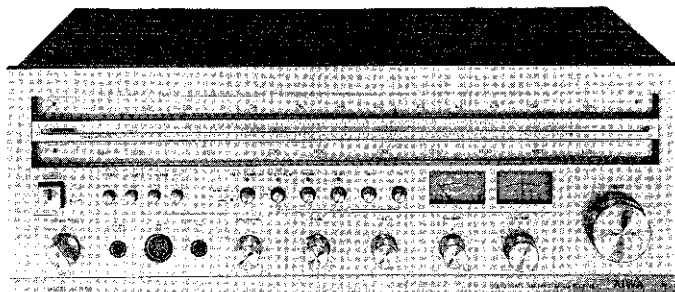


FM/AM STEREO RECEIVER

MODEL AX-7500 EE, UK

AIWA®

[SERVICE MANUAL]



Set using ISO screws

DATE OF ISSUE 25/11/1975

SPECIFICATIONS

Semiconductors	1 FET, 1 IC, 64 transistors, 40 diodes, 8 LED	Frequency Response (Input with respect to REC jacks) PHONO (RIAA Curve) AUX & TAPE PLAY	30 Hz—15 kHz = 0.3 dB 10 Hz—70 kHz
Power Supply	AC 120 V/220 V/240 V Switchable 50/60 Hz	Tone Controls	100 Hz +9 dB (BASS) -8 dB 10 kHz +9 dB (TREBLE) -8 dB
Power Consumption	190 W	Loudness Response (with volume at -40 dB)	+7 dB (100 Hz), +4 dB (10 kHz)
External Dimensions	160 (H) x 450 (W) x 360 (D) mm	S/N (IHF) PHONO AUX, TAPE PLAY 2 TAPE PLAY 1 MIC	More than 80 dB More than 80 dB More than 90 dB More than 70 dB
Weight	11 kg	FM Tuner	
Power Amplifier		Receiving Frequency Range	87.5 MHz—108 MHz
Circuit System	Differential 1st stage all stages direct coupled pure comple- mentary OCL	Sensitivity (IHF)	1.8 μ V
Effective Output		Capture Ratio (IHF)	1.2 dB
20 Hz — 20 kHz	30 W + 30 W (8 ohms), 33 W + 33 W (4 ohms)	Effective Selectivity (IHF)	50 dB
both channels driven		SN Ratio	70 dB
1 kHz	33 W + 33 W (8 ohms), 36 W + 36 W (4 ohms)	Frequency Response	20 Hz—15 kHz
both channels driven		Distortion	0.4% (stereo), 0.24% (mono)
Harmonic Distortion	0.2%	Separation	43 dB (at 1 kHz)
(at effective output)		Image Ratio	55 dB
Intermodulation Distortion	0.2%	IF rejection Ratio	80 dB
(at effective output)		Spurious Radiation	Less than 28 dB
Output Bandwidth	10 Hz — 50 kHz	Antenna Input Impedance	300 ohms (balanced), 75 ohms (unbalanced)
(IHF, both channels driven)	(0.2% distortion)	Spurious Rejection	75 dB
Dynamic Power	90 W (8-ohms)	AM Suppression	50 dB
Output Terminals SPEAKERS	A, B, A + B, OFF	Subcarrier Suppression	65 dB
HEADPHONES	8 ohms (4 ohms — 20 ohms) More than 50 (1 kHz 8 ohms)	IF Frequency	10.7 MHz
Damping Factor		Muting Level	20 dB
Residual Noise	Less than 0.5 mV	AM Tuner	
(8 ohms pre + main)		Receiving Frequency Range	525—1,605 kHz
Preamplifier		Sensitivity (IHF)	300 μ V/m (built-in bar antenna) 15 μ V (external antenna terminal)
Circuit System		Selectivity	30 dB
Equalizer Amplifier	+, — dual power supply 2 stage differential amplifier + emitter follower NF type	Distortion	1%
Control Amplifier	+, — dual power supply 2 stage direct coupled type + CR controls	IF Rejection	40 dB
Buffer Amplifier	+, — dual power supply 2 stage direct coupled type	Built-in Antenna	140 mm x 10 mm dia. (ferrite bar antenna)
Input Terminals (Sensitivity/Impedance)		External Antenna Terminal	Unbalanced
PHONO	2.5 mV/50 kohms	Image Ratio	40 dB
PHONO Max. Rated Input	200 mV /560 mV ^{rms} /pp	SN Ratio	50 dB
MIC	1 mV/5 kohms (200 ohms — 50 kohms impedance)	IF Frequency	455 kHz (EE model) 468 kHz (UK model)
Pin Jacks		• External appearance and specifications are subject to change without notice due to product improvements.	
(AUX, TAPE PLAY 1 & 2)	150 mV/50 kohms		
DIN Jacks			
(TAPE PLAY 1 & 2)	150 mV/50 kohms		
Output Terminals			
(Level/Impedance)			
Pin Jacks			
(TAPE REC 1 & 2)	150 mV/more than 50 kohms		
DIN Jacks			
(TAPE REC 1 & 2)	30 mV/80 kohms		

DISASSEMBLY INSTRUCTIONS

1. To Remove Bottom Cover

- 1) Remove 5 screws, (1) through (5). (Refer to Fig. 1)

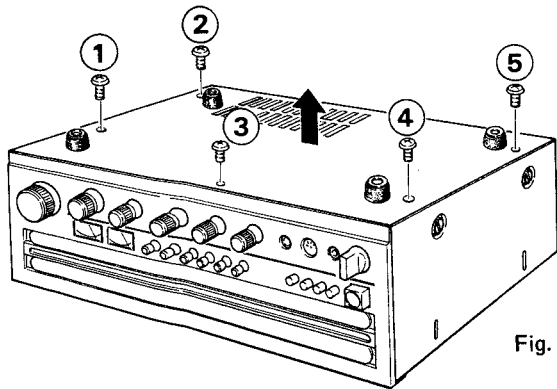


Fig. 1

2. To Remove Cabinet

- 1) Remove 5 screws, (1) through (5). (Refer to Fig. 2)

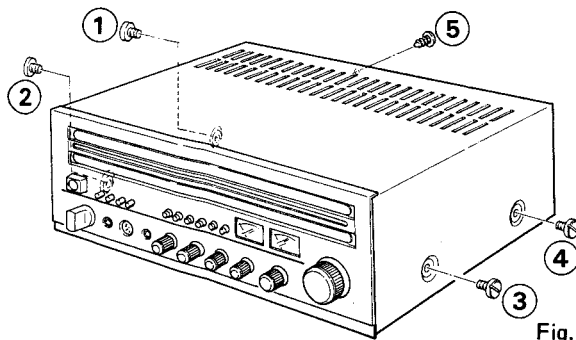


Fig. 2

3. To Remove Front Panel

- 1) Pull off the control knobs (1).
- 2) Loosen setscrew the Tuning knob (2) and the Speakers selector knob (3), and pull off both knobs.
- 3) Remove 3 screws, (4) through (6). (Refer to Fig. 3).

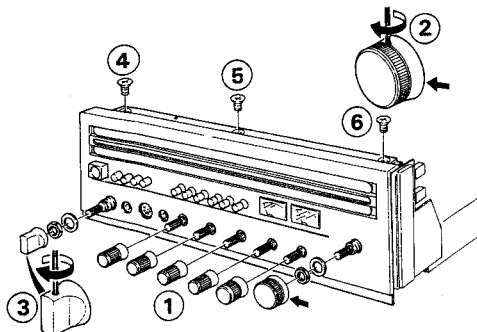


Fig. 3

4. To Remove LED-1 Circuit Board

- 1) Remove mounting screw (1). (Refer to Fig. 4)

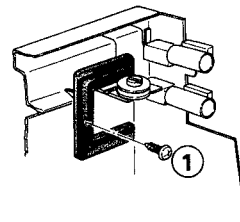


Fig. 4

5. To Remove LED-3 Circuit Board

- 1) Remove mounting screw (1). (Refer to Fig. 4)

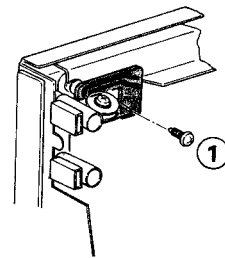


Fig. 5

6. To Remove Pre Amp / Selector Switch-1 Circuit Board

- 1) Remove 4 screws, (1) through (4). (Refer to Fig. 6)

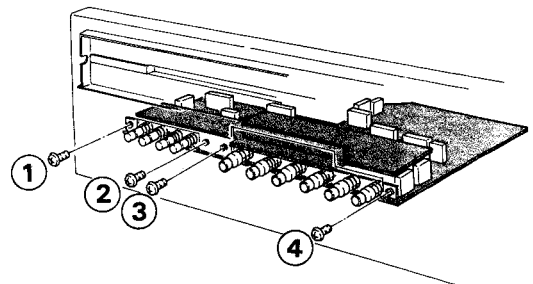


Fig. 6

- 2) Pull off the 12 connectors.
- 3) Pressing the PCB holder with small pincers or the like, pull the circuit board upward for removal. (Refer to Fig. 7).

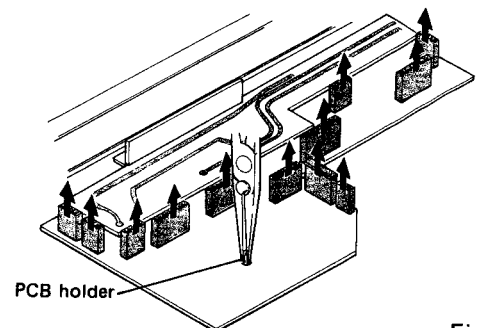


Fig. 7

7. To Remove Control Circuit Board

- 1) Remove 6 nuts (1).
(Refer to Fig. 8)

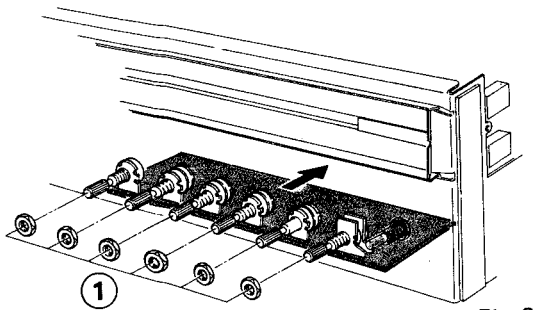


Fig. 8

8. To Remove Tuner Circuit Board

- 1) Remove 3 screws, (1) through (3).
(Refer to Fig. 9)

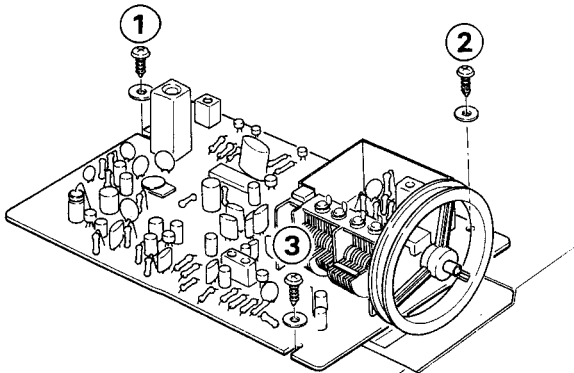


Fig. 9

9. To Remove Main Amp. Circuit Board

- 1) Pull off the 4 connectors, (1) through (4).
- 2) Remove 4 screws, (5) through (8).
(Refer to Fig. 10)

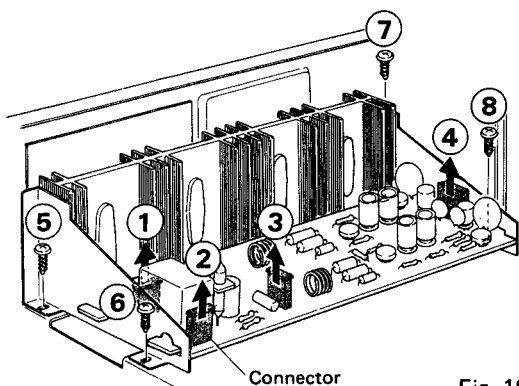


Fig. 10

10. To Remove Power Circuit Board

- 1) Pull off the 4 connectors, (1) through (4).
- 2) Remove mounting screw (5) and pull circuit board in arrow direction (6) to remove.
(Refer to Fig. 11)

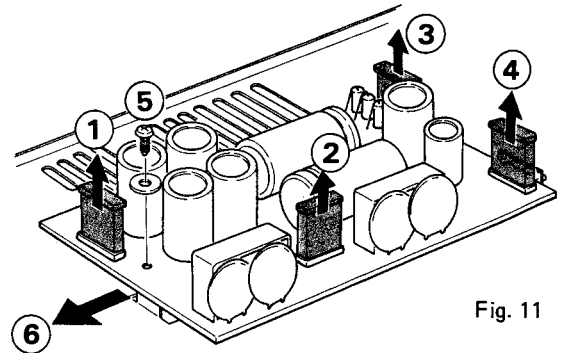


Fig. 11

11. To Remove Muting Circuit Board

- 1) Pressing the PCB holders (1, 2) with small pincers or the like, pull the circuit board in arrow direction to remove. (Refer to Fig. 12).

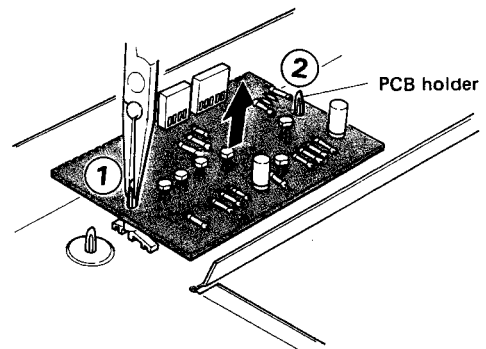


Fig. 12

12. To Remove Meter Reflector and Lamp Circuit Board

- 1) Remove mounting screw (1) and pull meter reflector in arrow direction to remove.
(Refer to Fig. 13)
- 2) Press circuit board in arrow (2) direction and pull, in arrow (3) direction to remove.
(Refer to Fig. 14)

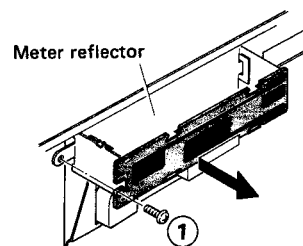


Fig. 13

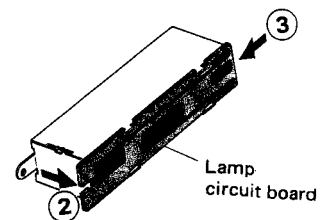


Fig. 14

13. To Remove Rear Panel Board

- 1) Remove 7 screw, (1) through (7).
(Refer to Fig. 15).

14. To Remove Ant. Terminal

- 1) Remove 2 nylon rivets, (8) and (9).
(Refer to Fig. 15).

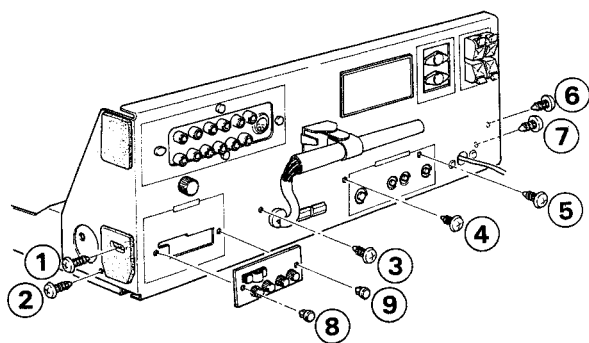


Fig. 15

15. To Remove Jack/Equalizer Amp Circuit Board

- 1) Using a soldering iron, disconnect one terminal (1) of the capacitor.
- 2) Remove 4 nylon rivets, (2) through (5).
(Refer to Fig. 16).

16. To Remove Speaker Terminal Board

- 1) Remove 6 nylon rivets, (6) through (11).
(Refer to Fig. 16).

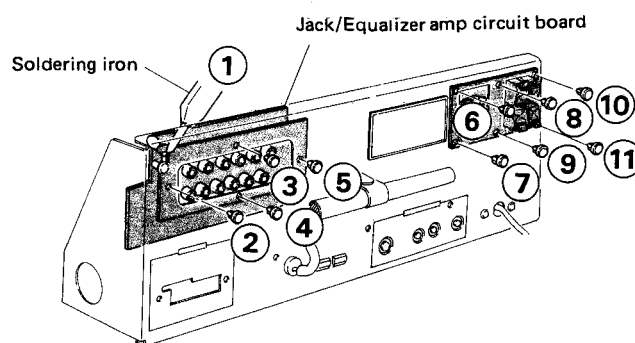
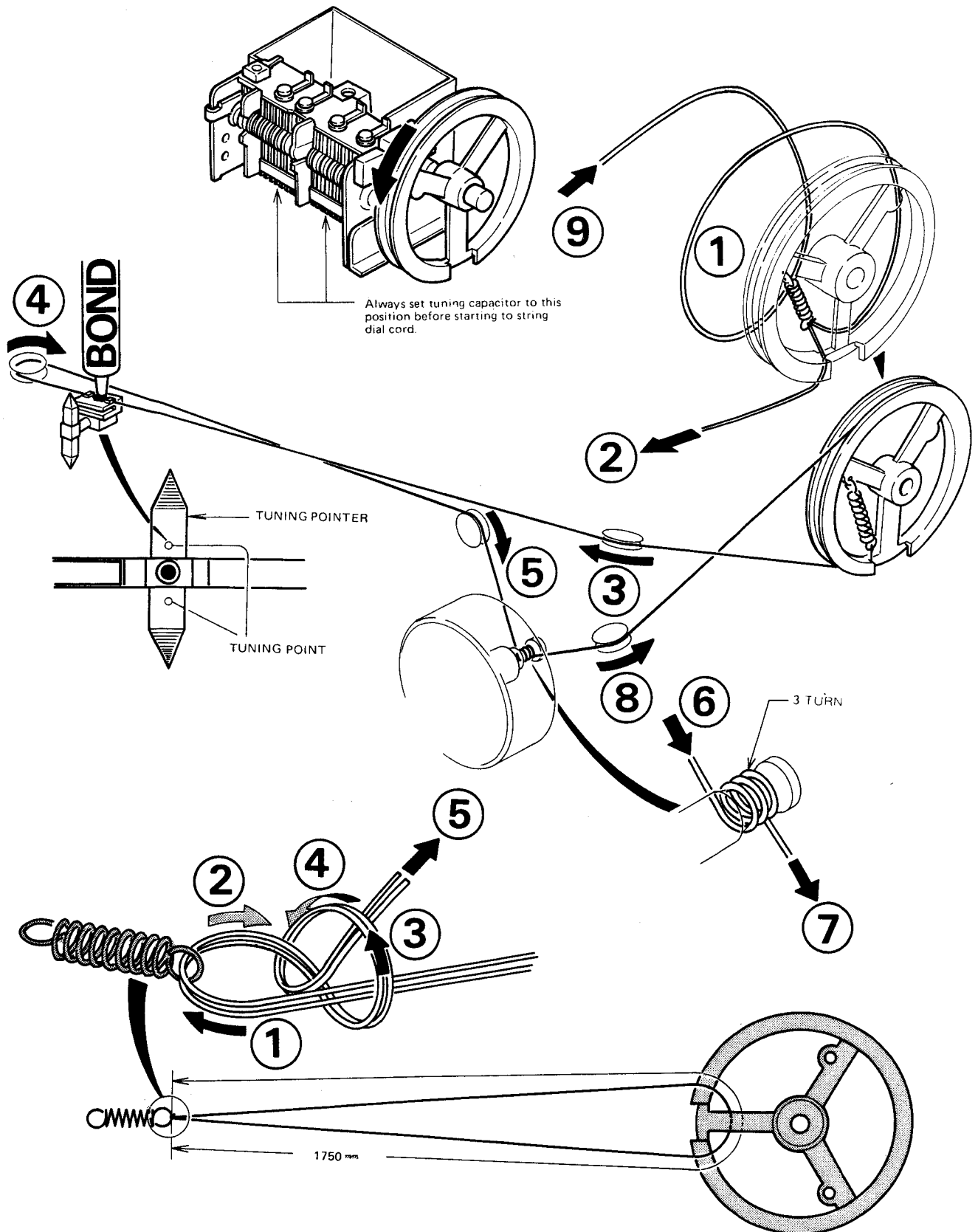


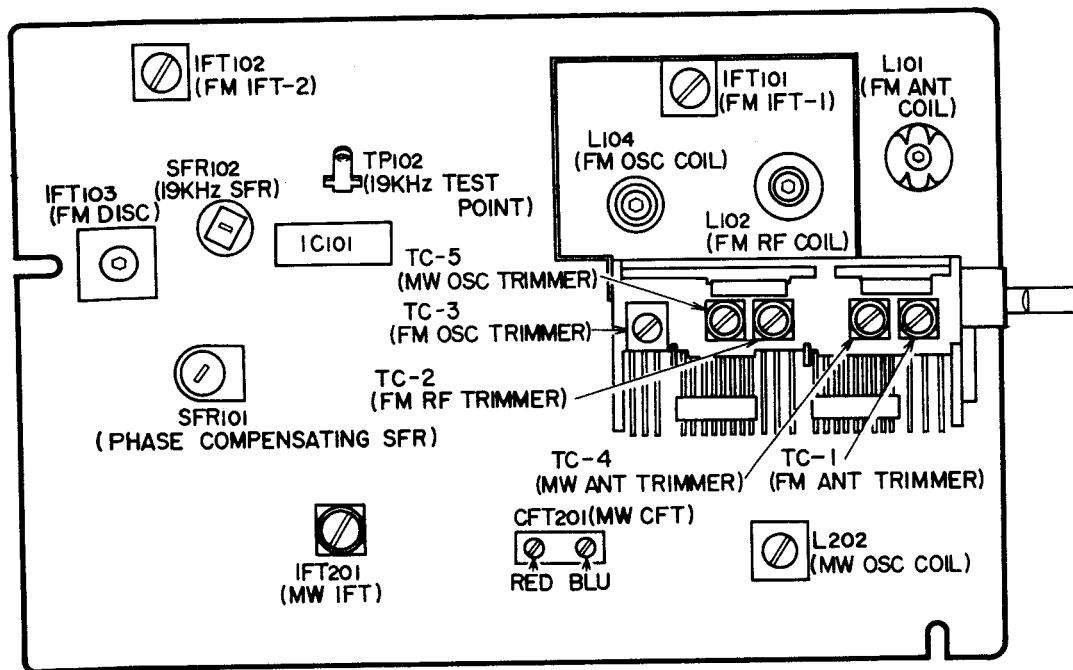
Fig. 16

DIAL CORD STRINGING



ADJUSTMENTS OF TUNER SECTION

■ Locations of Main Parts



1. Instruments Required

Signal Source

1. RF Signal generator (AM, FM).
2. IF sweep generator (Centered 455 kHz/468 kHz for AM and 10.7 MHz for FM).

Output Indicator

1. V.T.V.M.
2. Oscilloscope

Regulator Adjusting Steps

For band	For stages on each band
1. AM (MW)	1st: IF
	2nd: RF frequency range
	3rd: RF tracking
2. FM	1st: IF
	2nd: RF frequency range
	3rd: RF tracking

AM-IF Alignment

Step	Signal source	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust for
	Connect to		Connect to			
1	AM IF sweep gen.	Sweep centered 455 kHz ("EE") 468 kHz ("UK")	Oscilloscope	Min. Freq	CFT201 IFT201	Maximum
	Antenna terminal		AM det. output tab			

MW-RF Alignment

Step	Signal source	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust for
	Connect to		Connect to			
1	AM signal gen.	MW 515 kHz (Modulated)	V.T.V.M.	515 kHz (Low end)	L202 (OSC coil)	Maximum
	Antenna terminal		AM det. output tab			
2	Antenna terminal	1650 kHz (Modulated)	AM det. output tab	1650 kHz (High end)	TC-5 (OSC trim.)	Maximum
3	(Repeat steps 1 and 2 to obtain frequency range.)					
4	Antenna terminal	600 kHz (Modulated)	AM det. output tab	600 kHz	L201 (ANT coil)	Maximum
5	Antenna terminal	1400 kHz (Modulated)	AM det. output tab	1400 kHz	TC-4 (ANT trim.)	Maximum
6	(Repeat steps 4 and 5 to minimize tracking error, and also step 3 if necessary.)					

FM-IF Alignment

Step	Signal source	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust for
	Connect to		Connect to			
1	FM IF sweep gen.	Sweep centered 10.7 MHz	Oscilloscope	Max. Freq.	IFT 101 IFT 102	Max. Symmetrical response, equal heights
	Antenna terminal		FM det. output tab			
2	Antenna terminal	Sweep centered 10.7 MHz	FM det. output tab	Max. Freq.	IFT 103	Symmetrical response, centered 10.7 MHz
3	(Repeat 1 and 2 to obtain a balanced "S" curve linearity.)					

FM-RF Alignment

Step	Signal source	Set signal to	Alignment indicator	Set radio dial to	Adjust	Adjust for
	Connect to		Connect to			
1	FM signal gen.	88 MHz (Modulated)	V.T.V.M.	88 MHz	L104 (OSC coil)	Maximum
	Antenna terminal		FM det. output tab			
2	Antenna terminal	107 MHz (Modulated)	FM det. output tab	107 MHz	TC-3 (OSC trim.)	Maximum
3	(Repeat steps 1 and 2 to obtain frequency range.)					
4	Antenna terminal	88 MHz (Modulated)	FM det. output tab	88 MHz	L101 (ANT coil) L102 (RF coil)	Maximum
5	Antenna terminal	107 MHz (Modulated)	FM det. output tab	107 MHz	TC-1 (ANT trim) TC-2 (RF trim)	Maximum
6	(Repeat steps 4 and 5 to minimize tracking error, and step 3 if necessary.)					

MPX Adjustment

● 19 kHz

Conditions:
 Selector switch: FM
 ST/MONO switch: MONO
 Dial position: detuned from station
 Adjust SFR102 for 19kHz ± 50Hz frequency at 19kHz test point (TP102).

● MPX

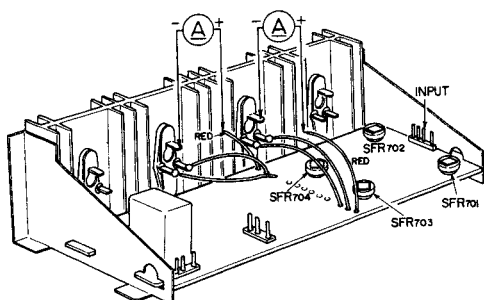
Conditions:
 Carrier frequency: 96 MHz
 Modulation: Pilot signal 10%
 Composite signal 90%
 Modulation frequency: 1 kHz
 Tune dial to 96 MHz and adjust SFR101 for optimum separation (40 dB).

How to change the upper limit of FM frequency range from 107MHz to 103MHz.

Symbol No.	Description	107 MHz		103 MHz	
L102	FM COIL	2-½t	82-470-622-01	1-½t	99-470-112-01
L104	FM COIL	1-½t	82-473-689-01	¾t	99-473-034-01
C101	Ceramic Capacitor	6PF	88-213-060-01	—	—
C105	Ceramic Capacitor	6PF	88-213-060-01	—	—
C170	Ceramic Capacitor	12PF	88-251-122-01	27PF	88-251-232-01

ADJUSTMENTS OF MAIN AMP.

■ Location of Main Parts.



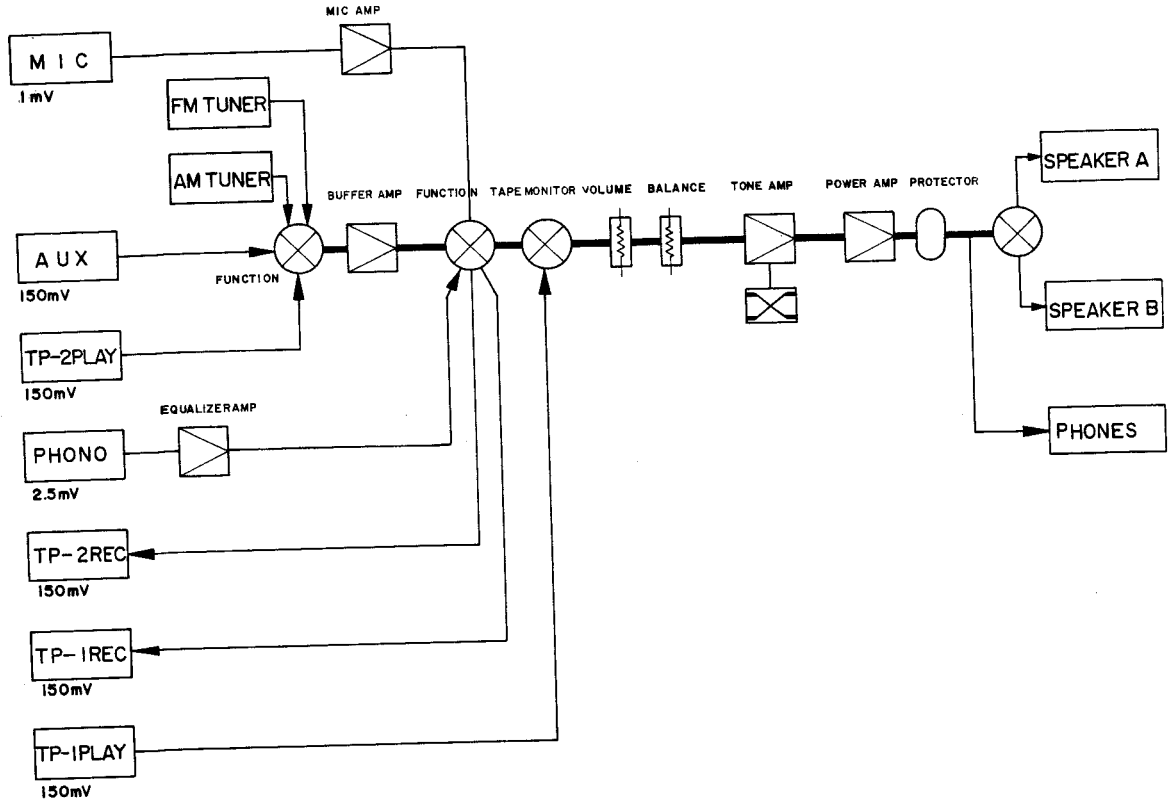
1. Idling Current

Short input terminals. Disconnect TR711 (712) collector lead (red) and connect current meter. Adjust idling current trimmer resistor SFR701 (702) for 30 mA idling current.

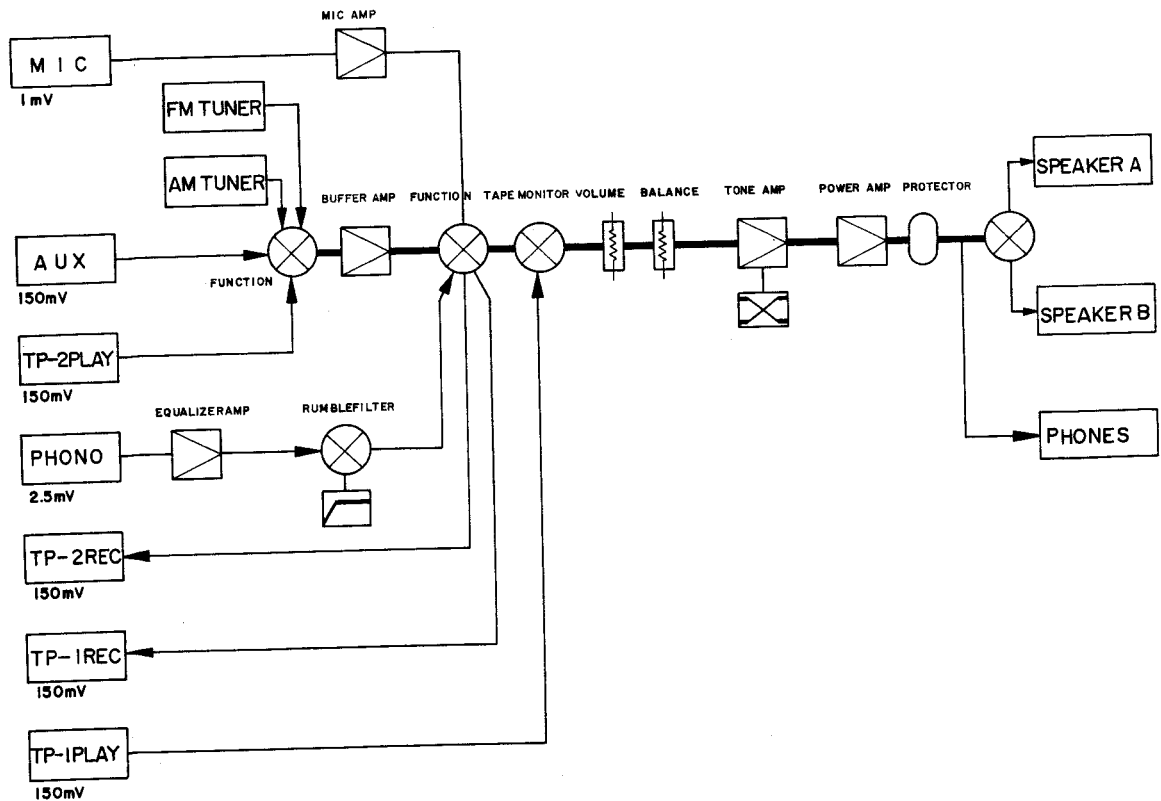
2. DC Balance

After adjusting the idling current, adjust DC balance trimmer resistor SFR703 (704) for 0 V potential at speaker terminals.

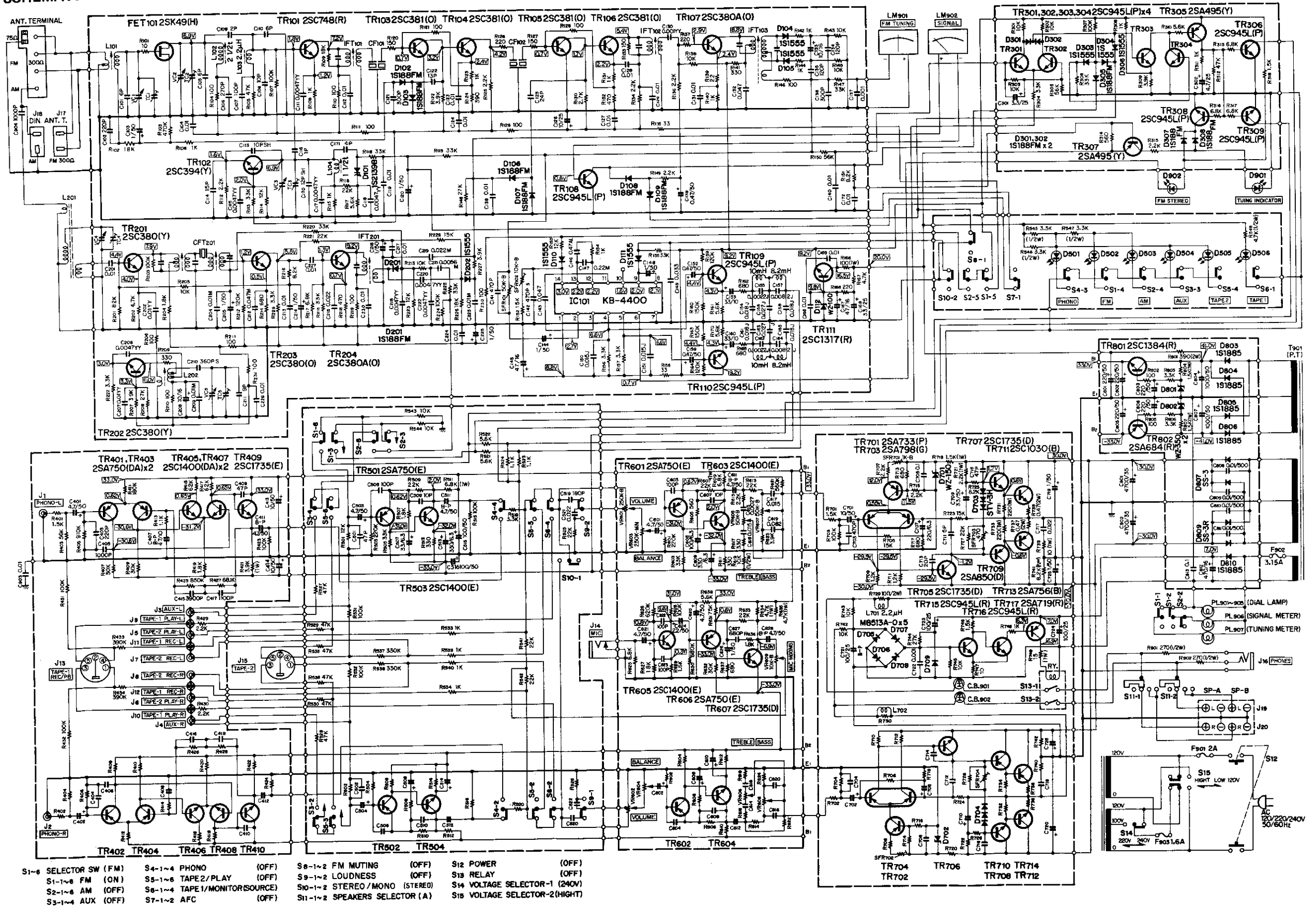
BLOCK DIAGRAM – AX-7500EE



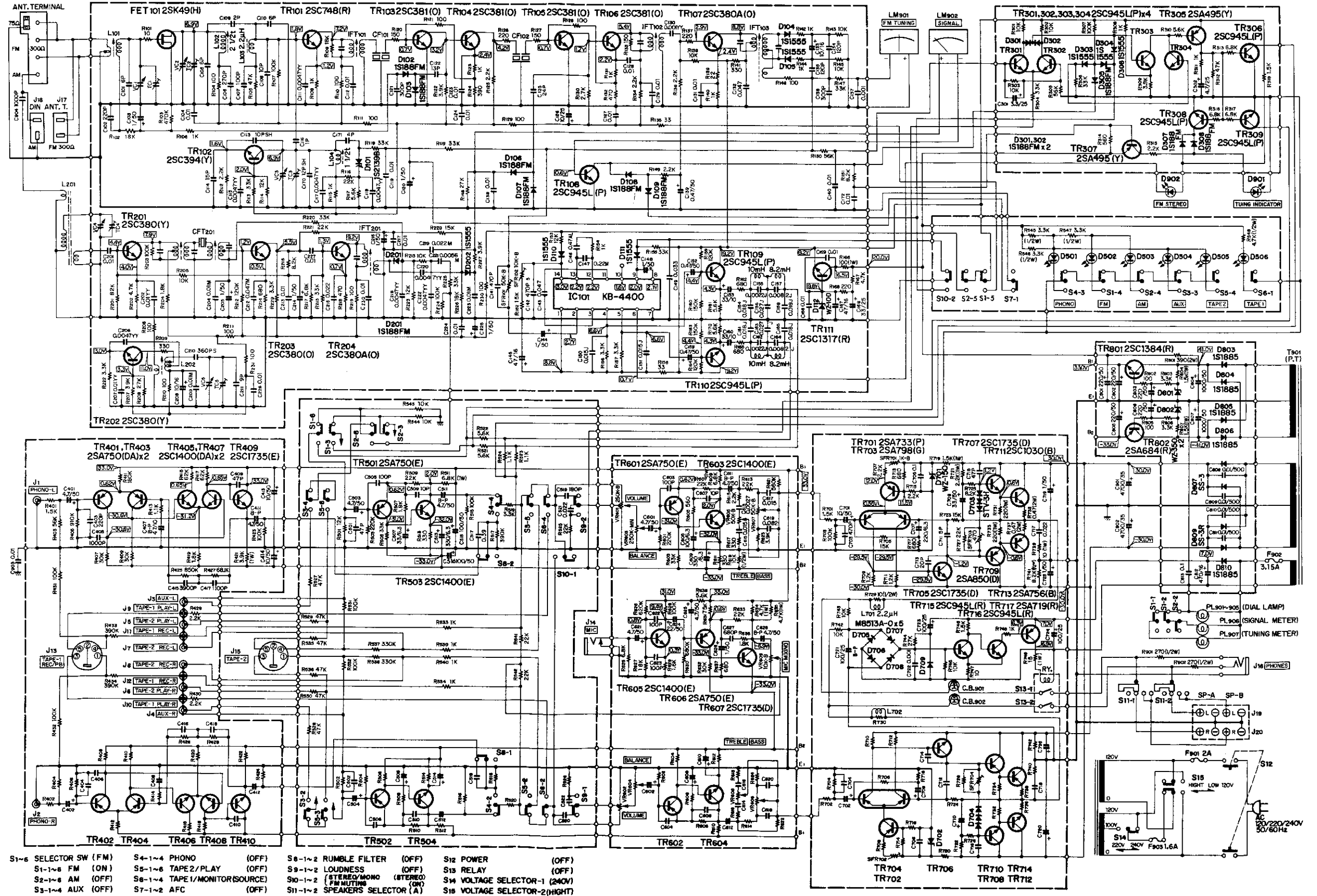
BLOCK DIAGRAM – AX-7500UK



SCHEMATIC DIAGRAM - AX-7500EE

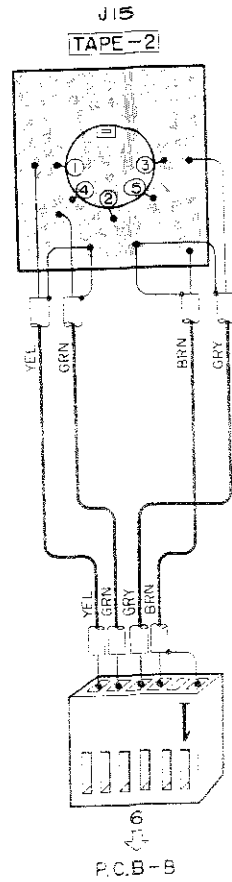


SCHEMATIC DIAGRAM - AX-7500UK

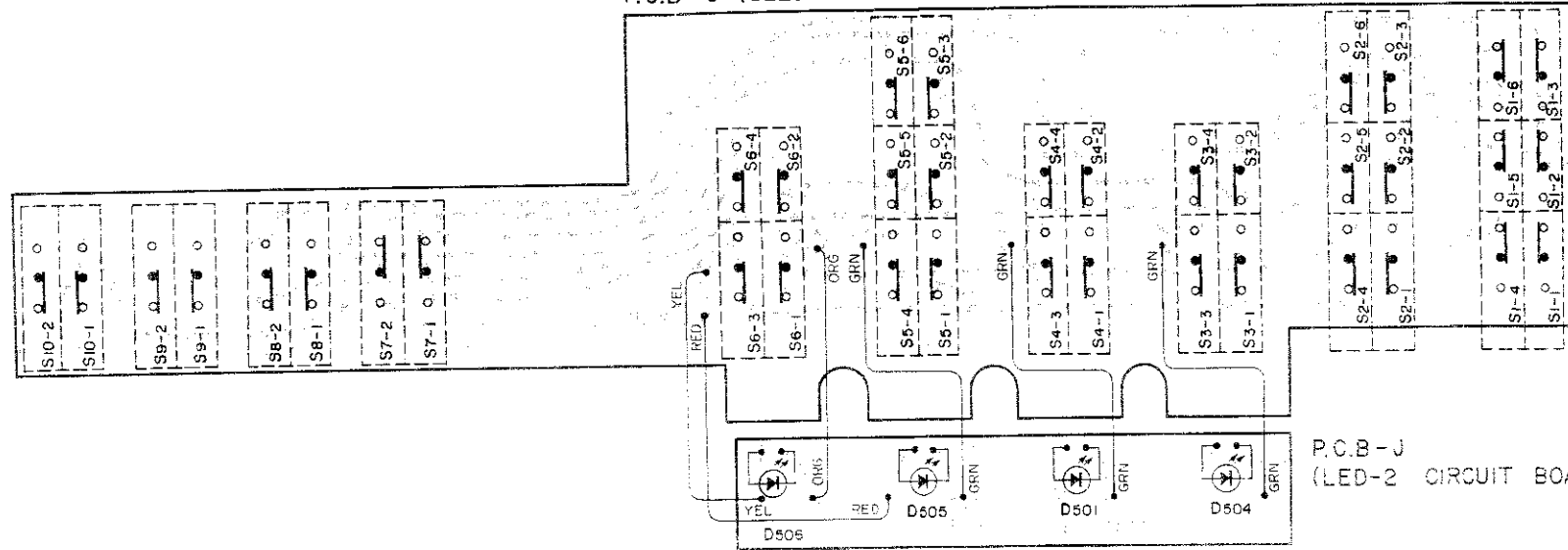


SELECTOR SWITCH-2, PRE AMP/SELECTOR SWITCH-1, LAMP, LED-1 & DIN JACK CIRCUIT BOARD - AX-7500EE

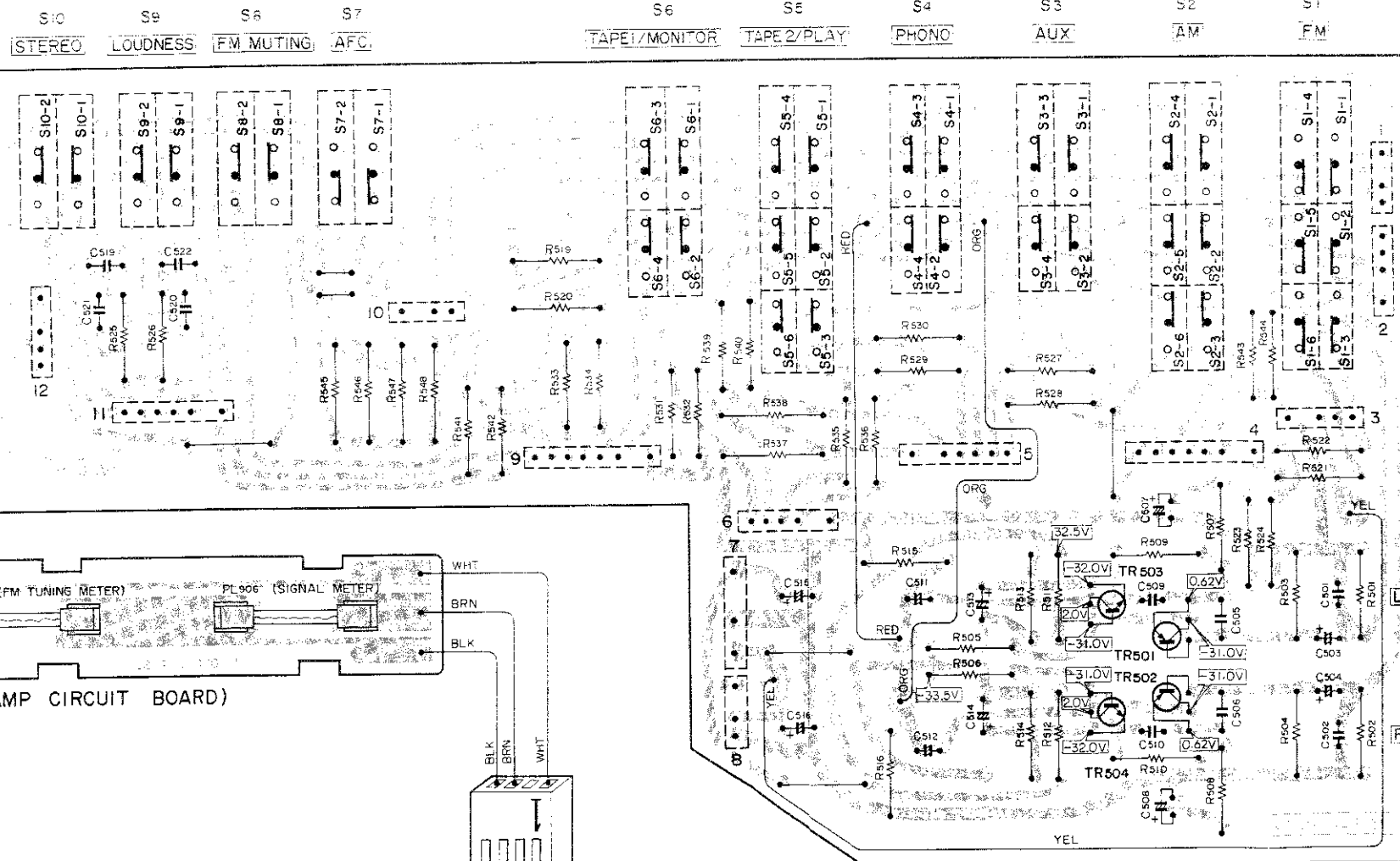
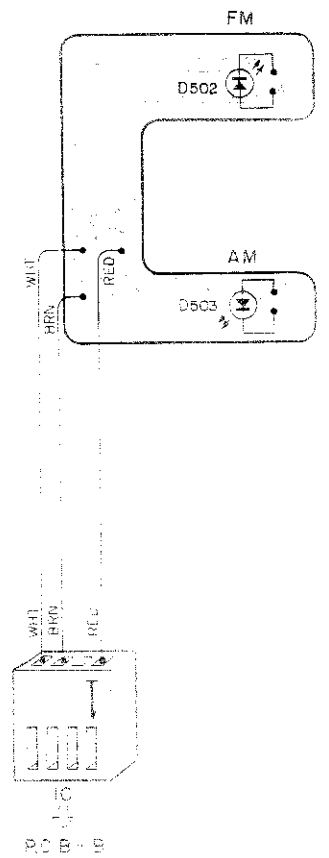
P.C.B-L
(DIN JACK CIRCUIT BOARD)



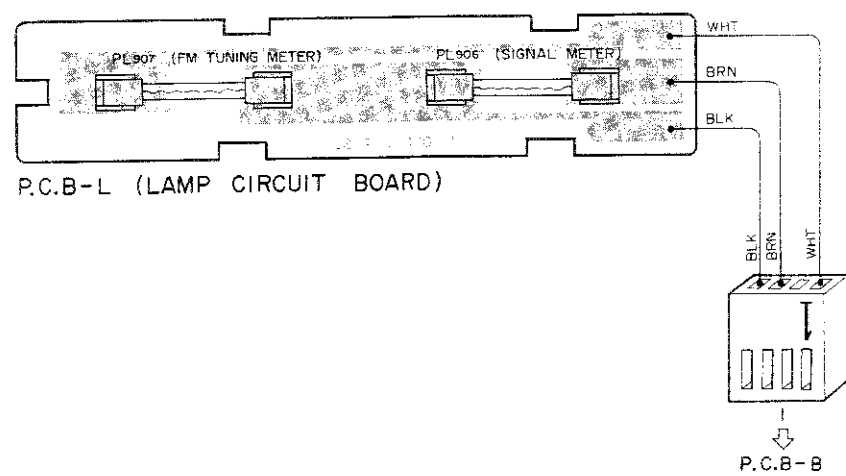
P.C.B-C (SELECTOR SWITCH-2 CIRCUIT BOARD)



P.C.B-I
(LED-1 CIRCUIT BOARD)



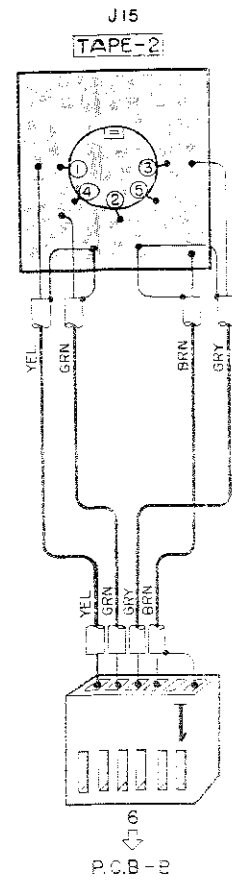
P.C.B-J
(LED-2 CIRCUIT BOARD)



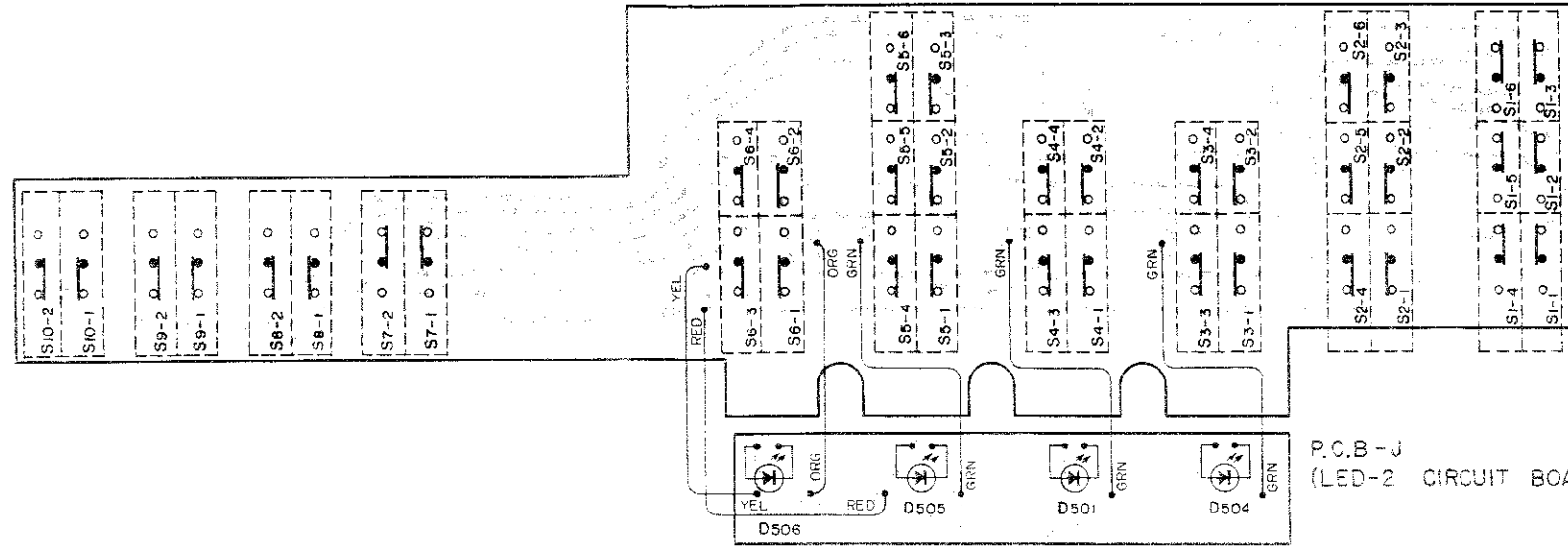
P.C.B-B (PRE AMP / SELECTOR SWITCH-1 CIRCUIT BOARD)

SELECTOR SWITCH-2, PRE AMP/SELECTOR SWITCH-1, LAMP, LED-1 & DIN JACK CIRCUIT BOARD - AX-7500UK

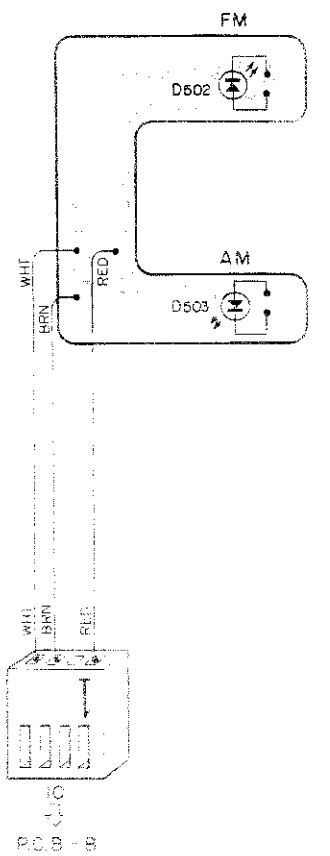
P.C.B-L
(DIN JACK CIRCUIT BOARD)



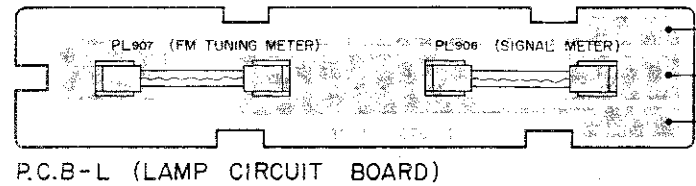
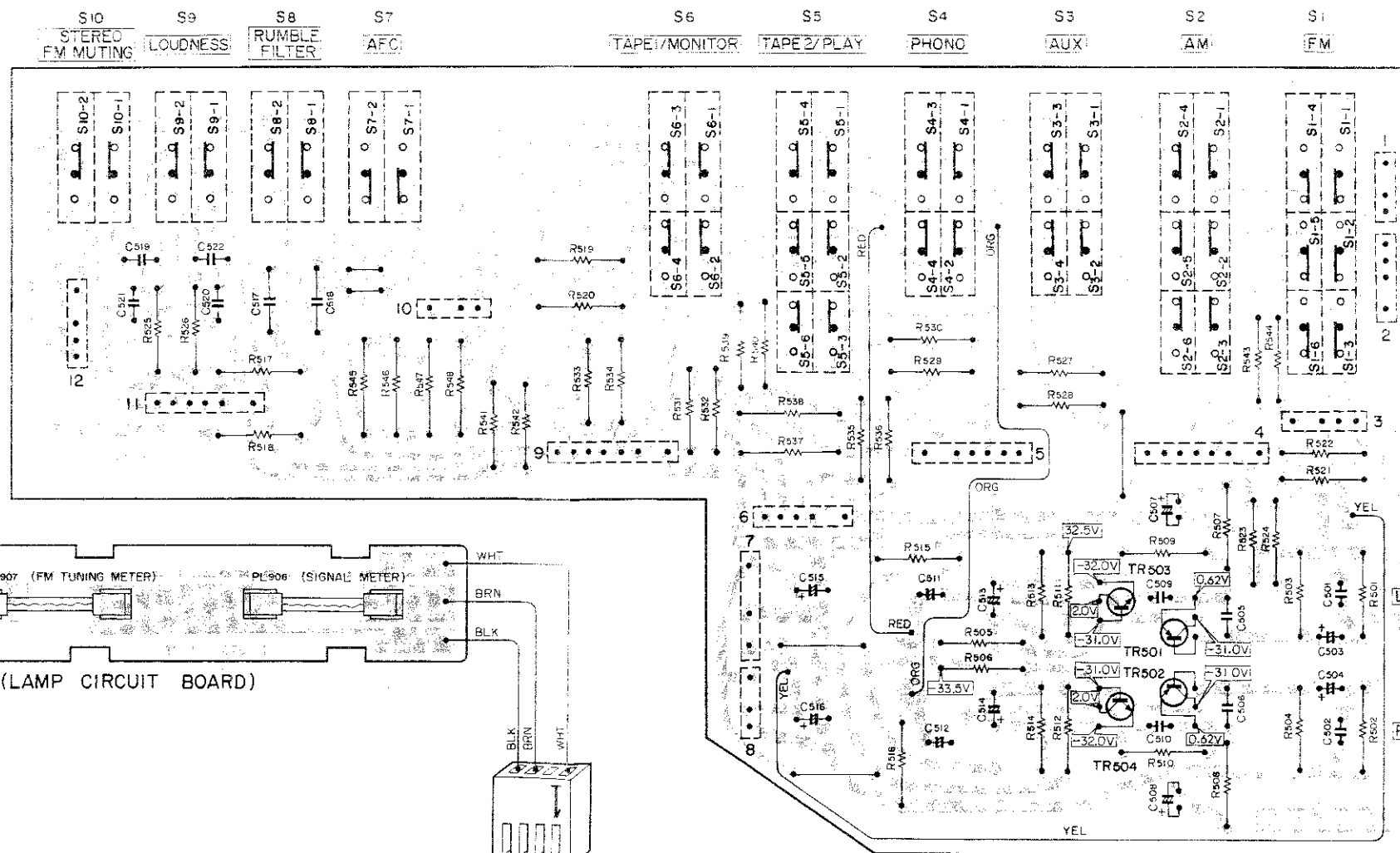
P.C.B-C (SELECTOR SWITCH-2 CIRCUIT BOARD)



P.C.B-I
(LED-1 CIRCUIT BOARD)



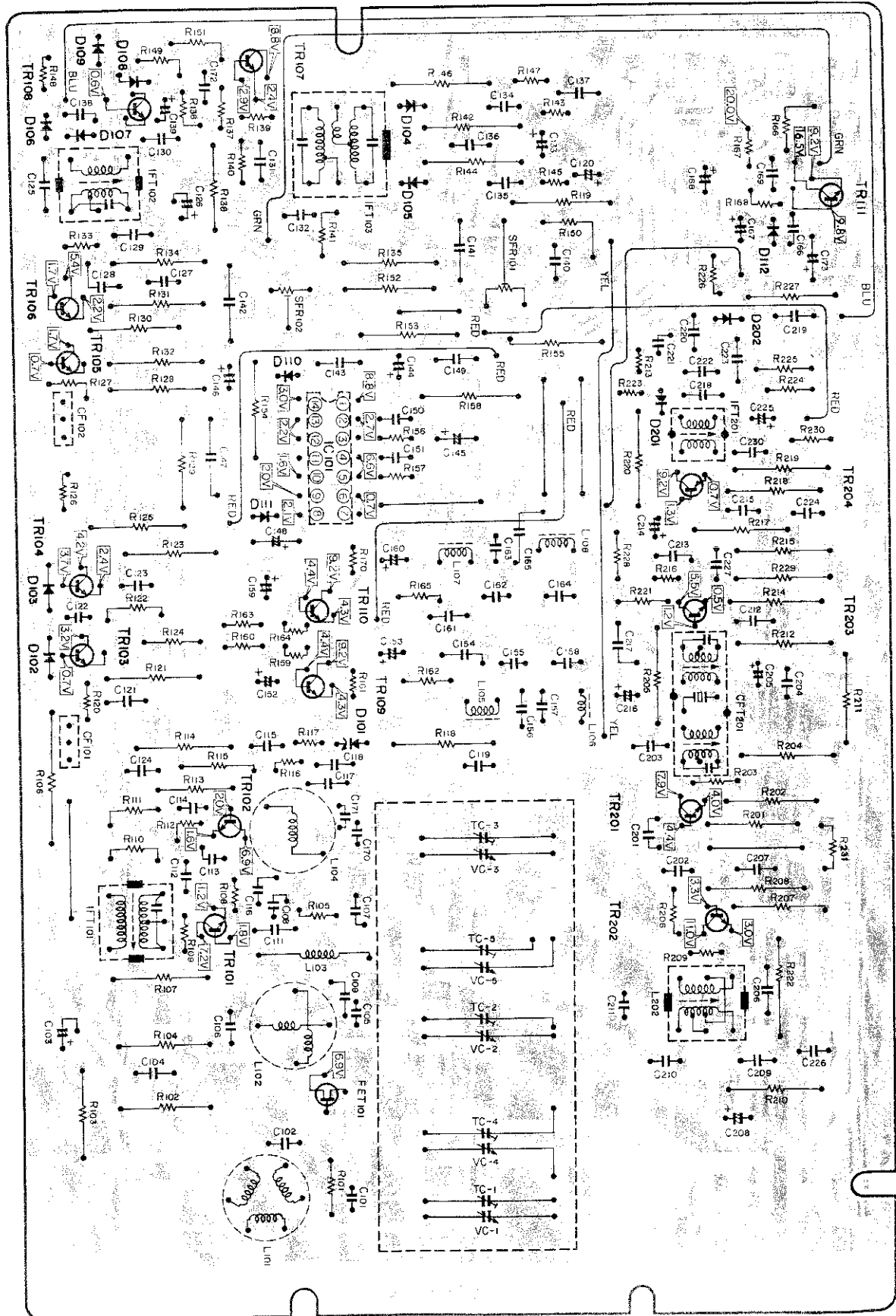
P.C.B-U
(LED-2 CIRCUIT BOARD)



P.C.B-B (PRE AMP / SELECTOR SWITCH-1 CIRCUIT BOARD)

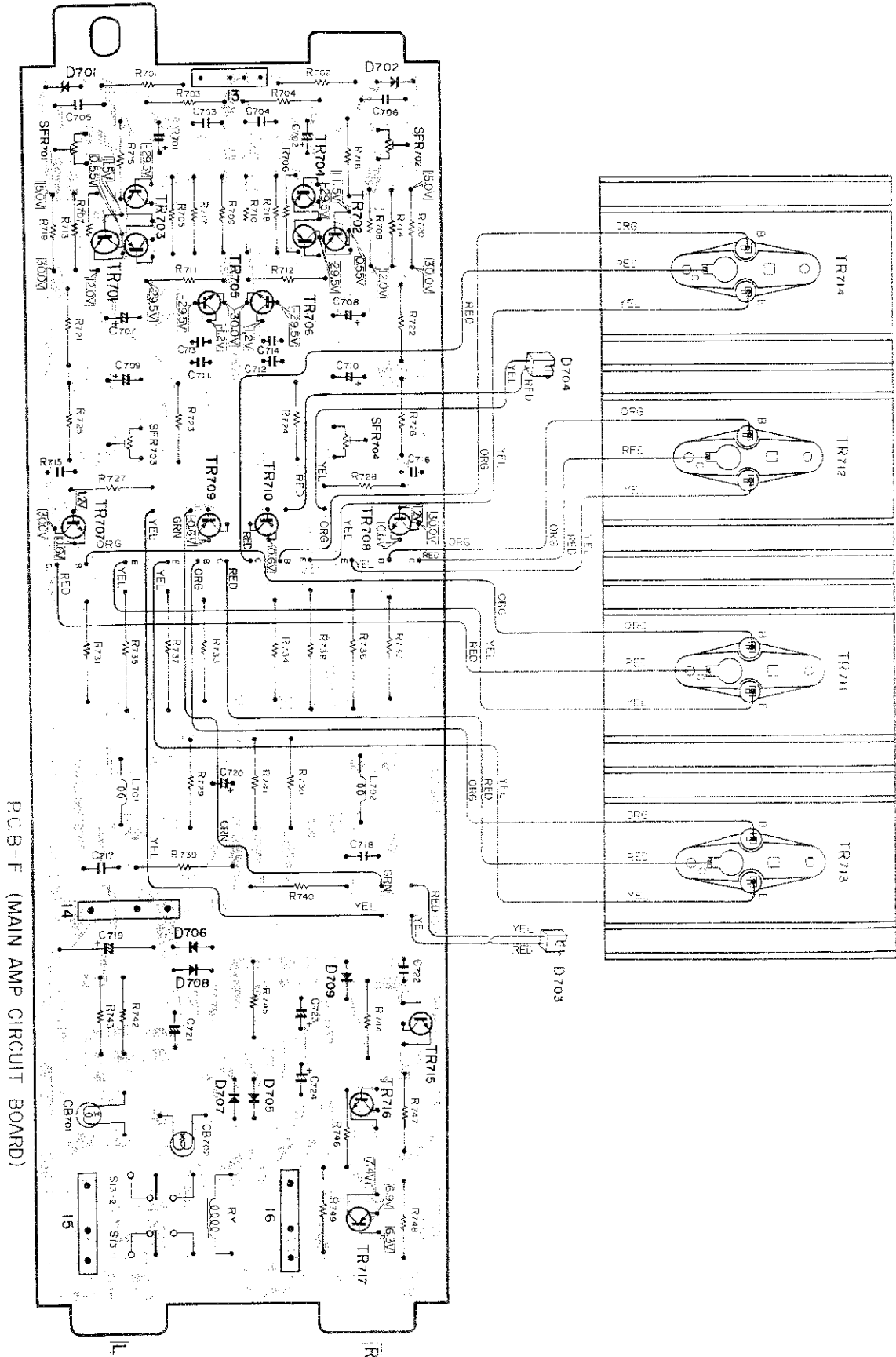
P.C.B-B

TUNER CIRCUIT BOARD

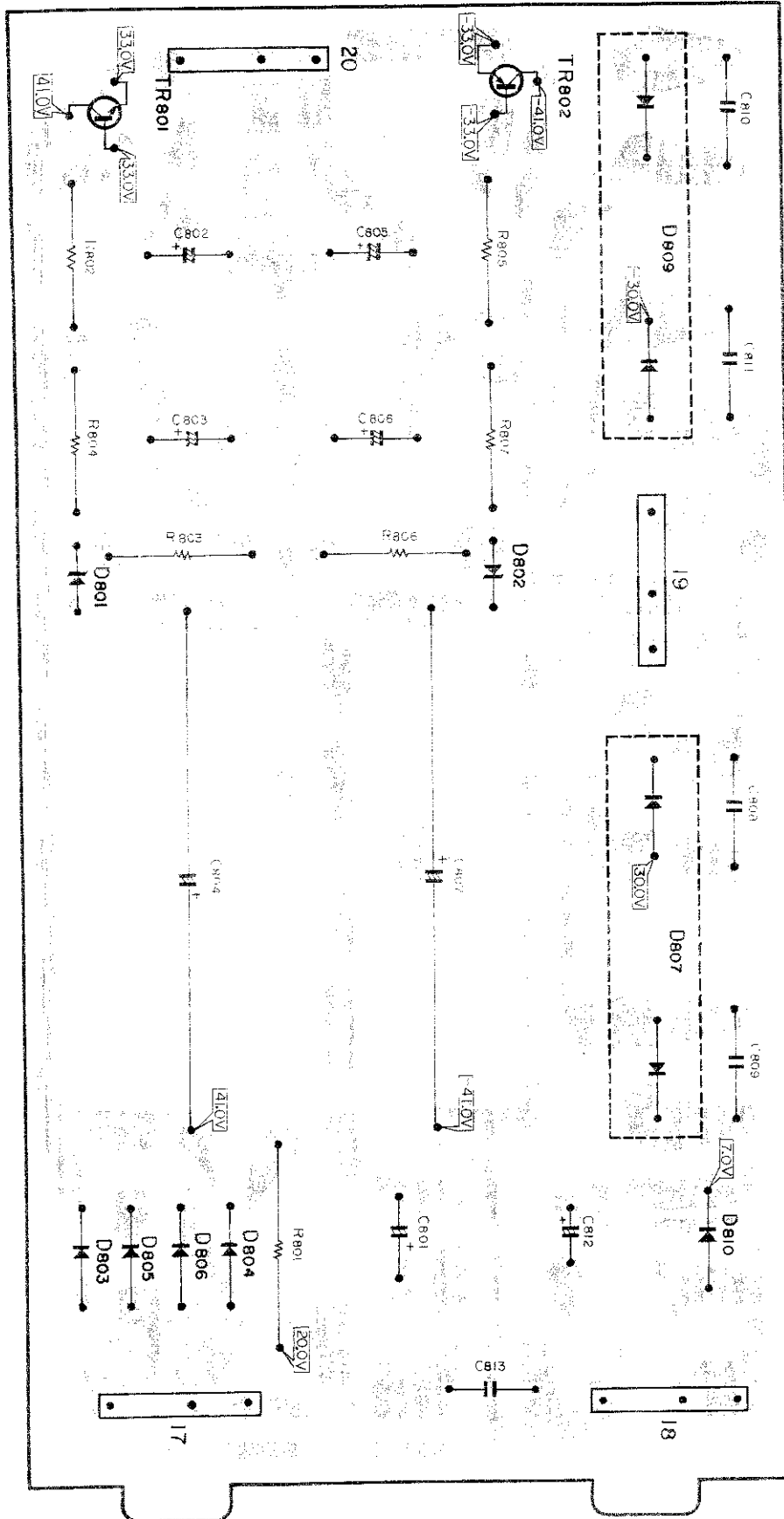


PCB-A (TUNER CIRCUIT BOARD)

MAIN AMP CIRCUIT BOARD

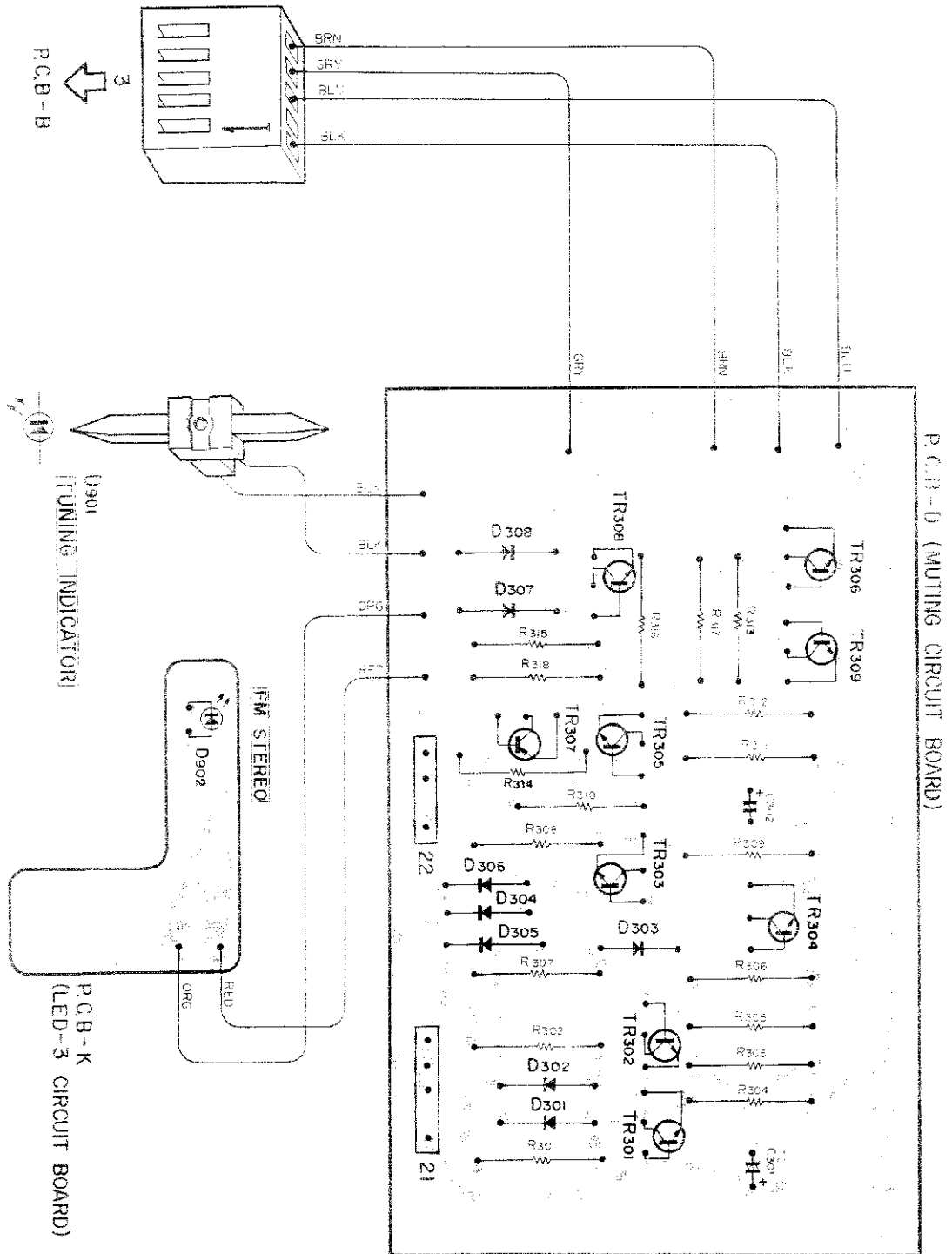


POWER CIRCUIT BOARD

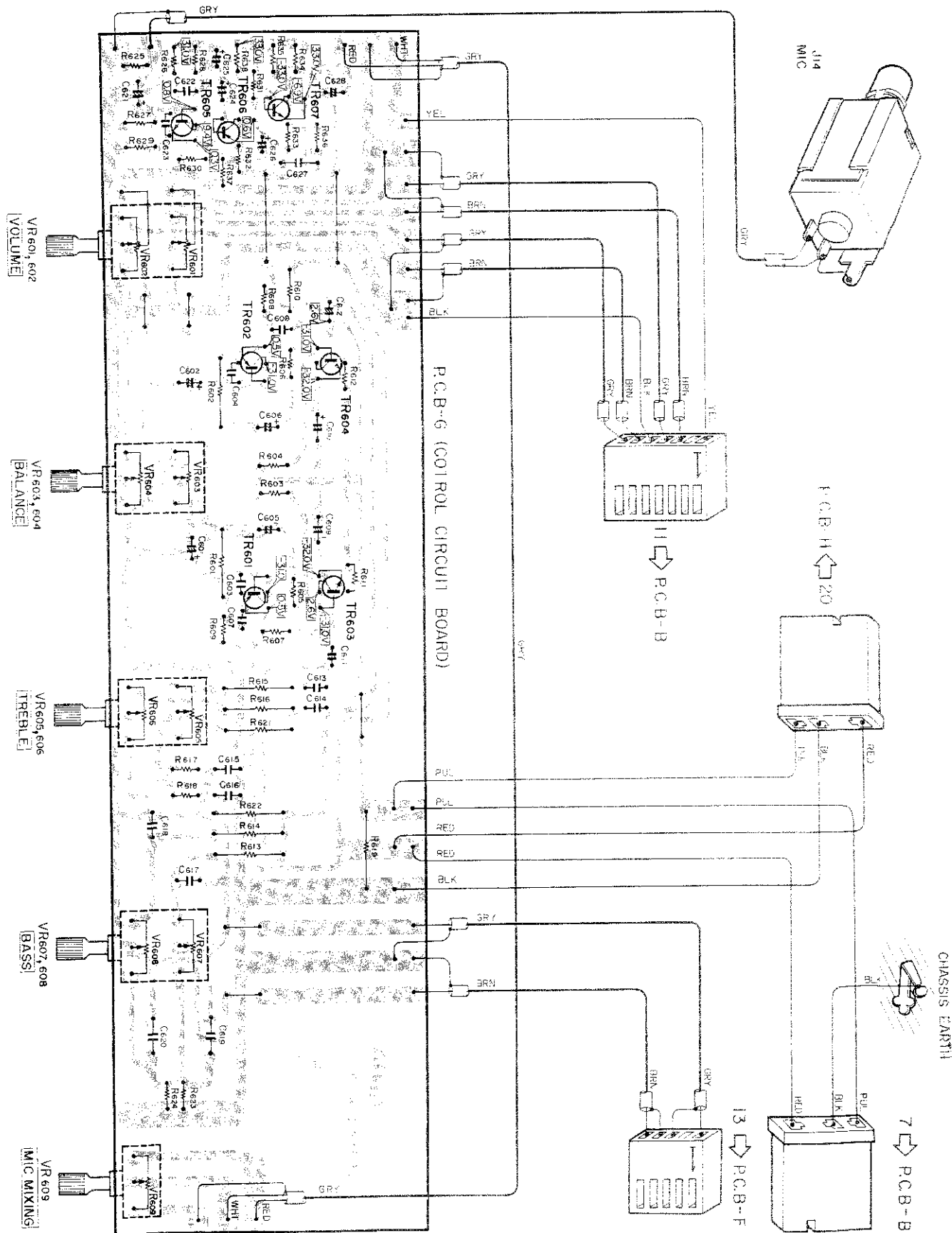


PCB-H (POWER CIRCUIT BOARD)

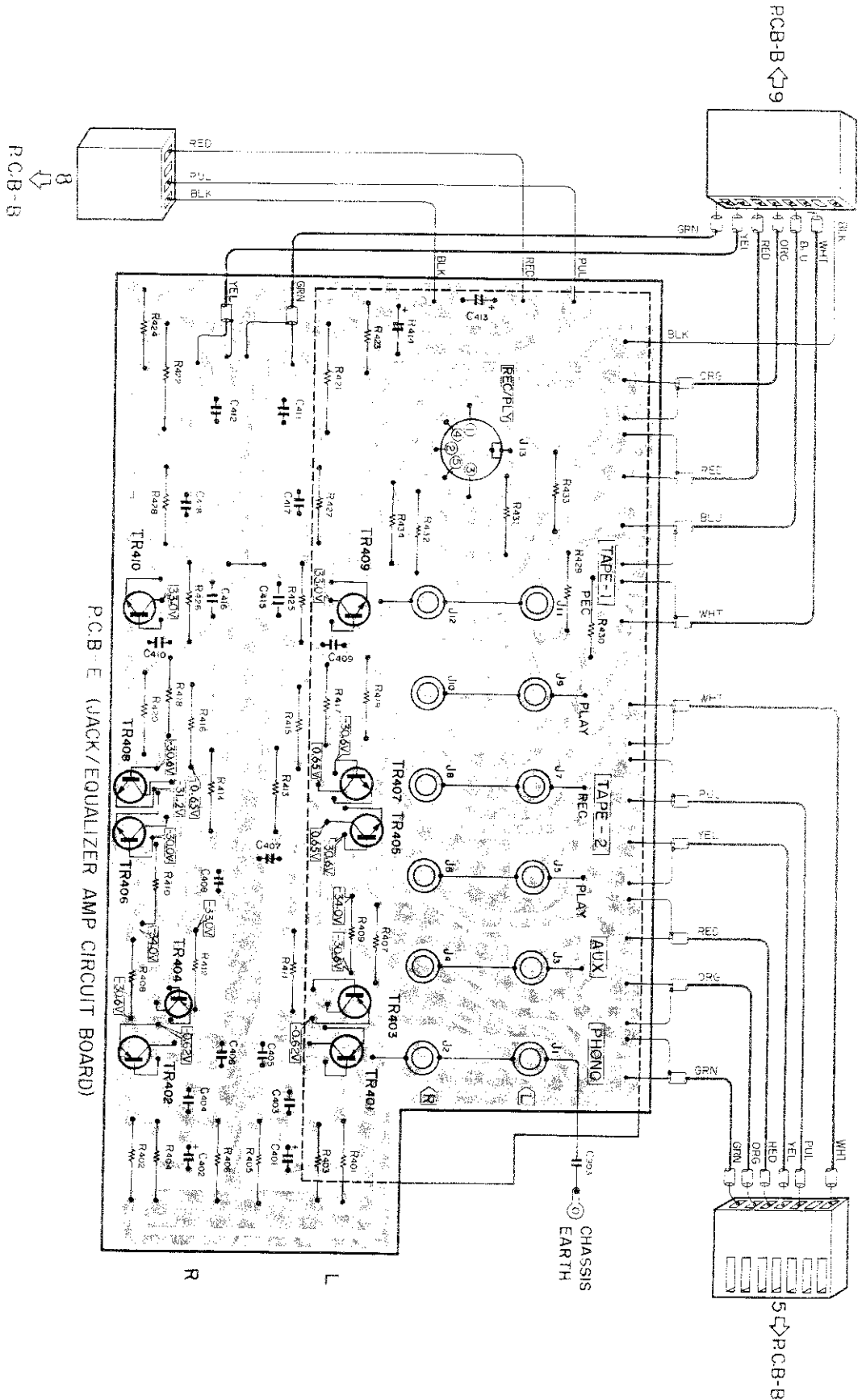
MUTING & LED-3 CIRCUIT BOARD



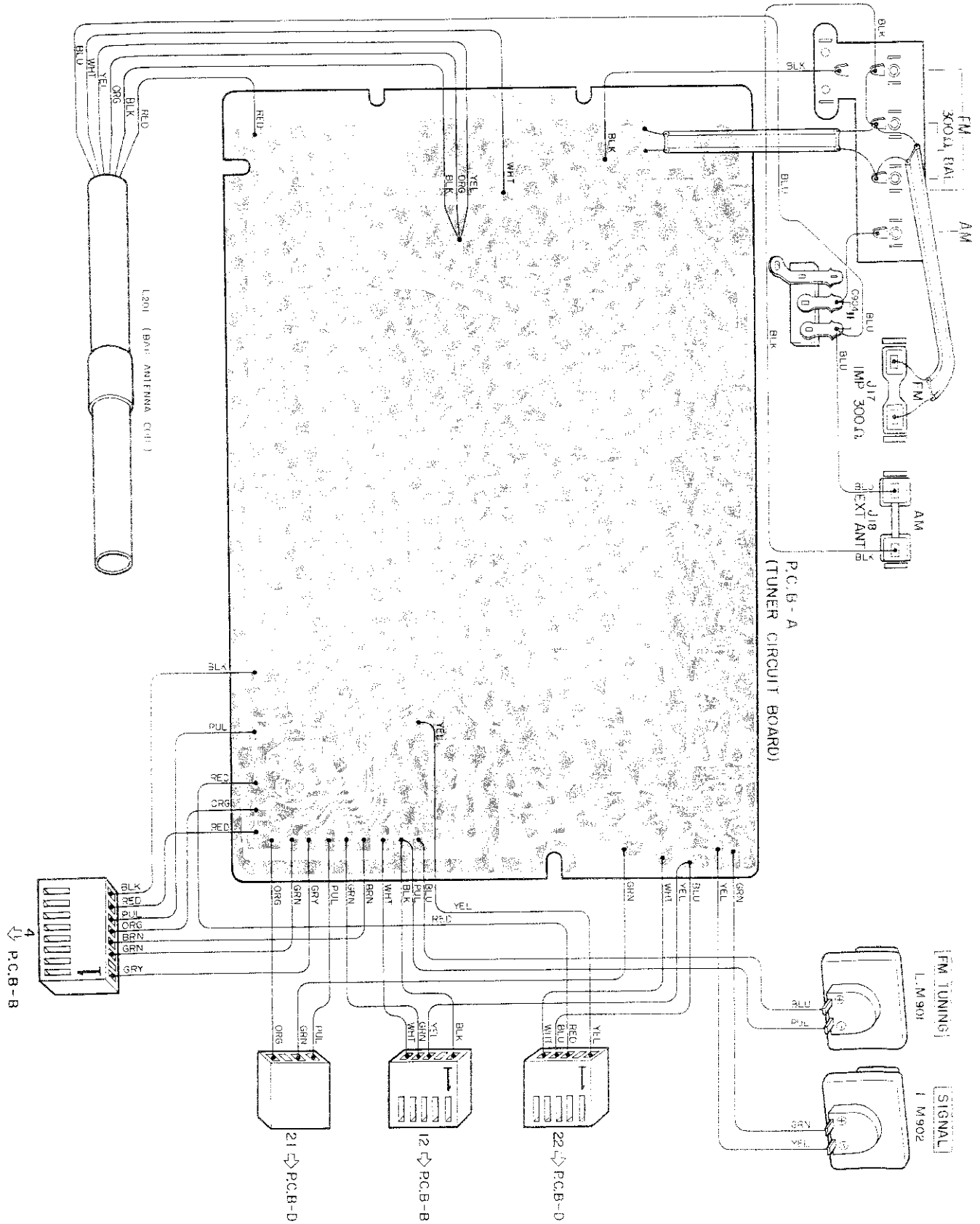
CONTROL CIRCUIT BOARD



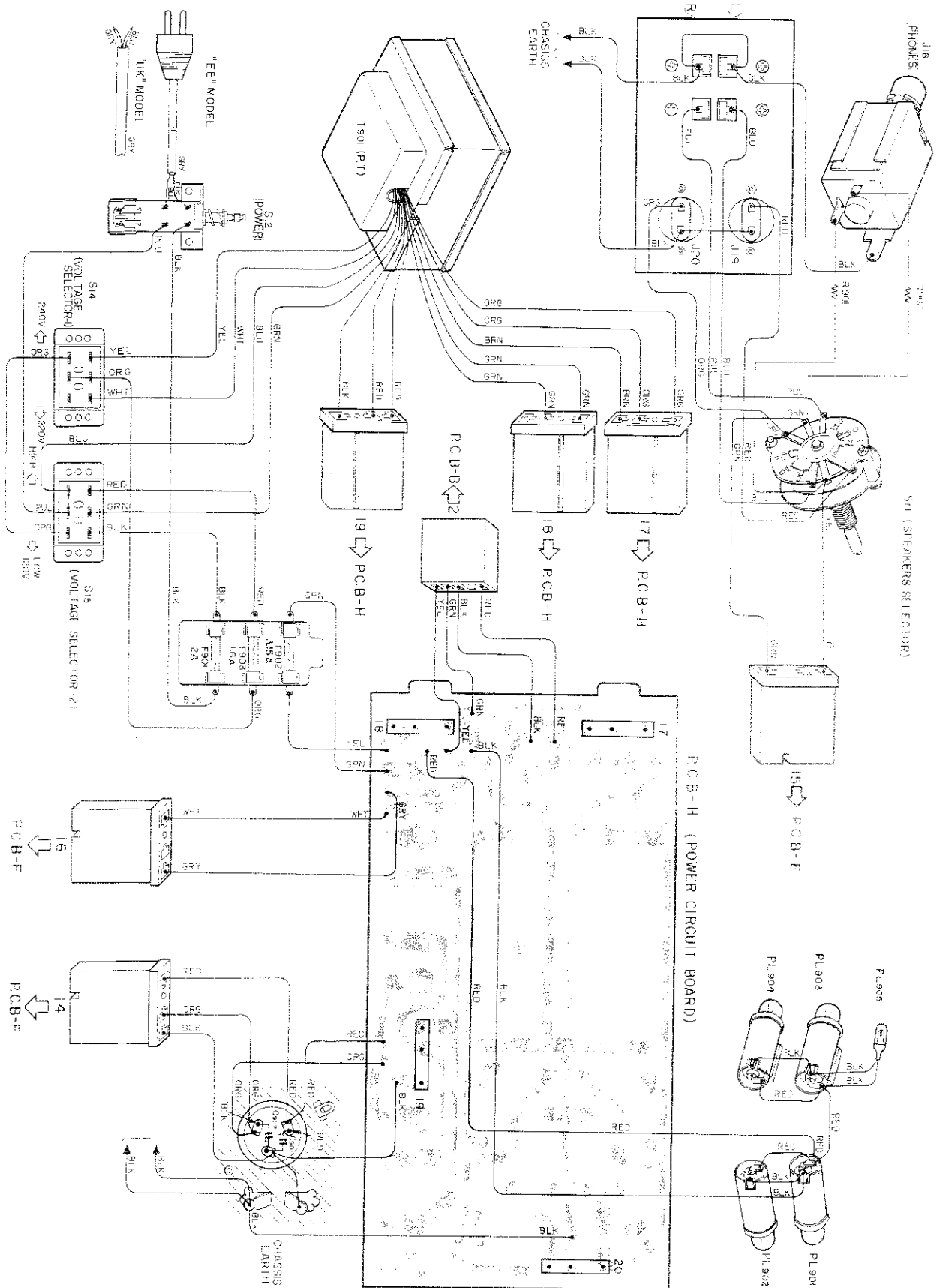
JACK/EQUALIZER AMP CIRCUIT BOARD

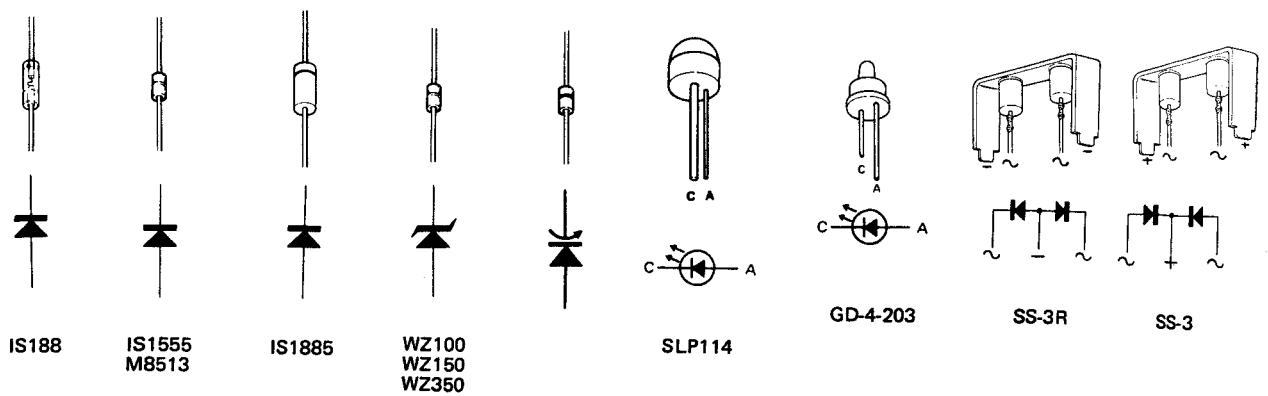
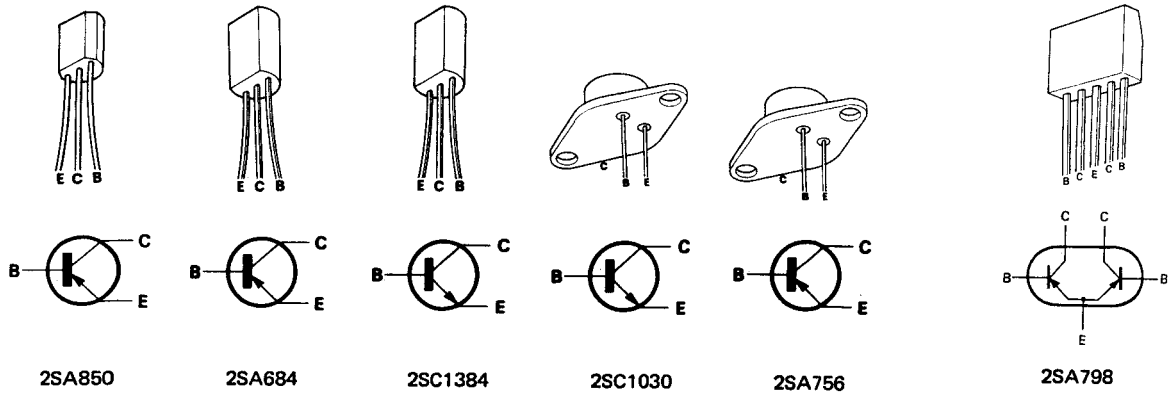
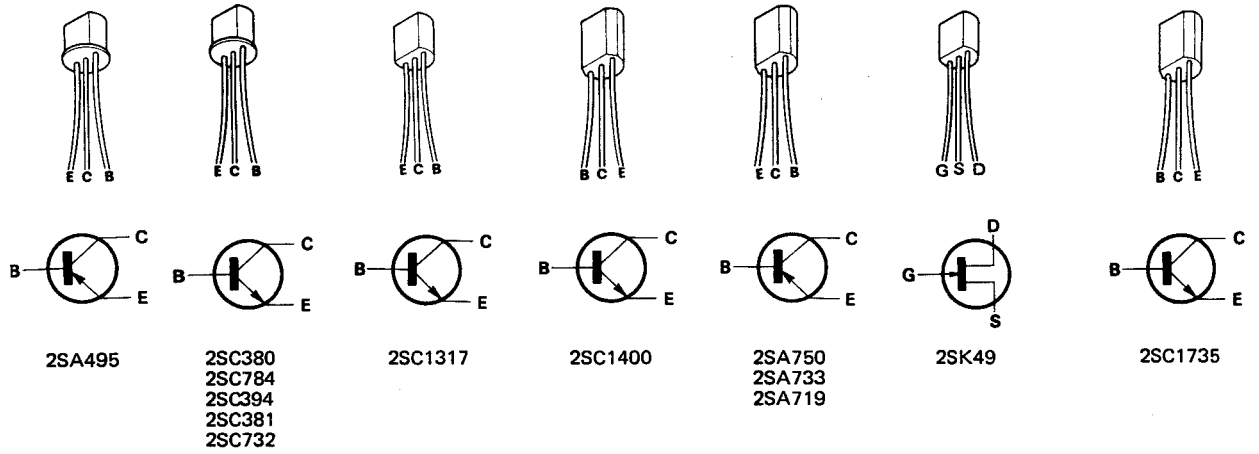


WIRING (TUNER CIRCUIT BOARD)

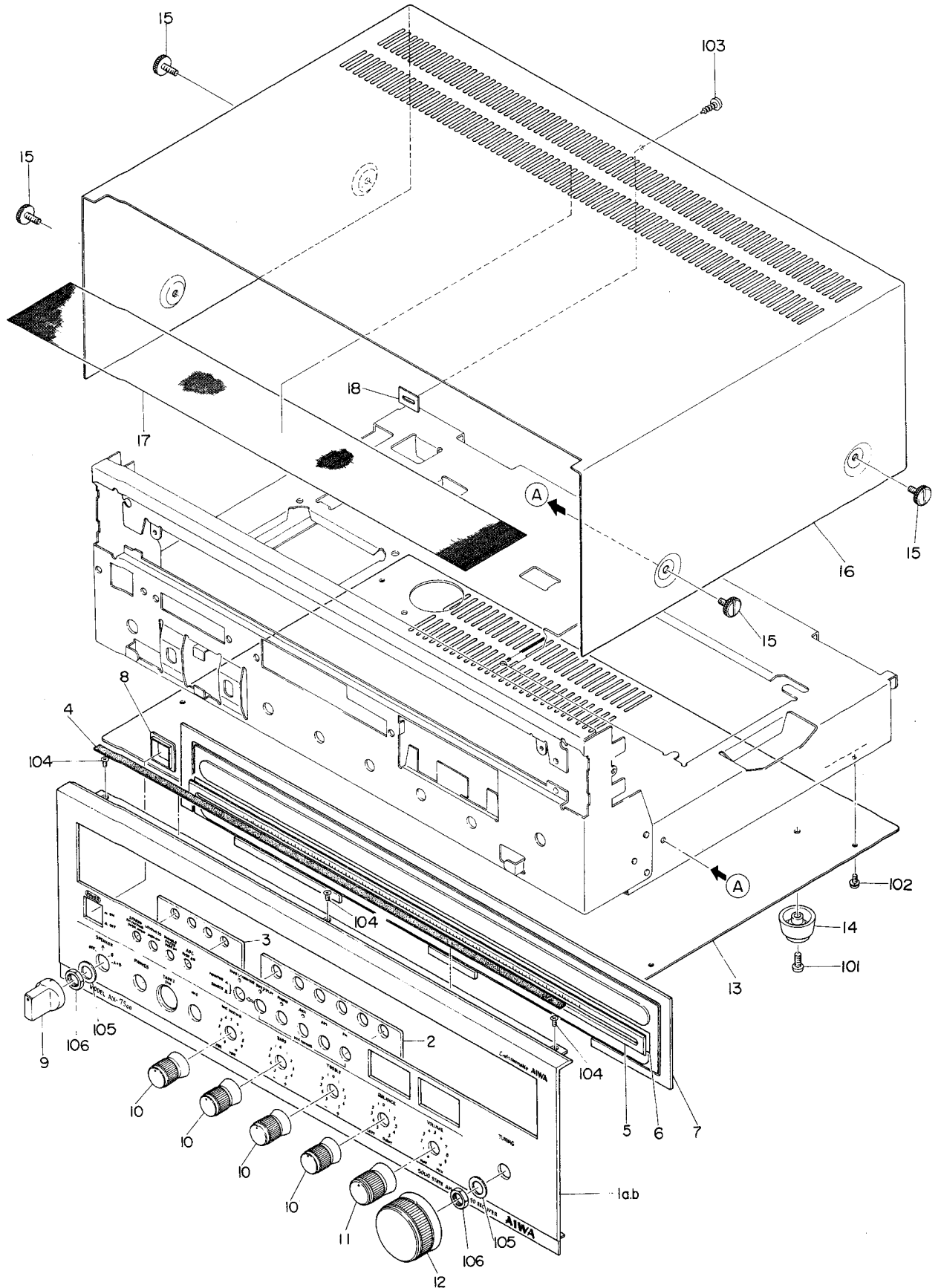


WIRING (POWER CIRCUIT BOARD)





EXPLODED VIEW-1



PARTS LIST

MECHANICAL PARTS

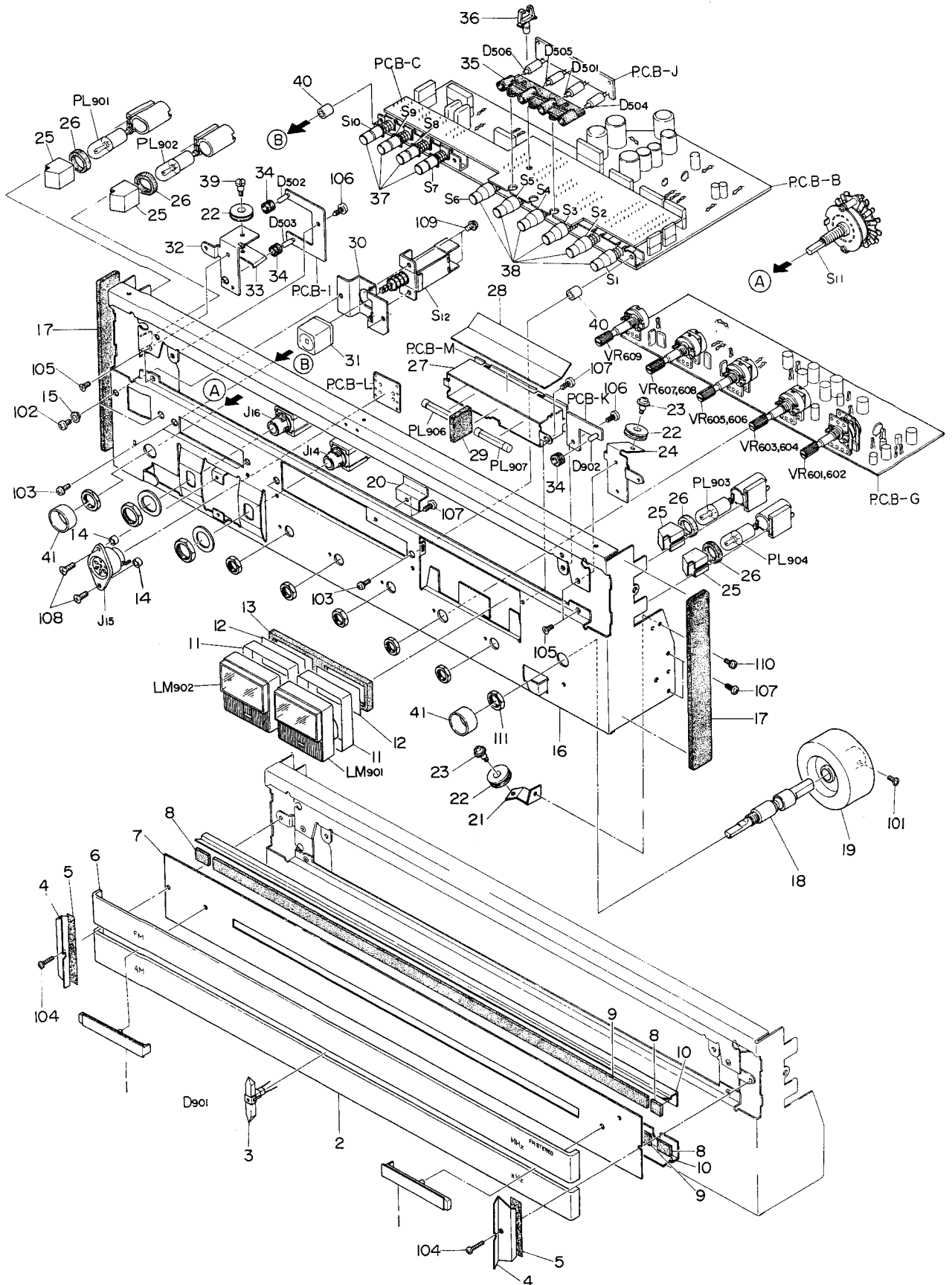
* mark in this part list shows exclusive part (which is used) for only Model AX-7500

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
1~8	80-004-734-41		Panel Assembly-"EE" model		
1~8	80-004-734-01		Panel Assembly-"UK" model		
1-1 (a)	82-473-062-01		Front panel-"EE" model only	*	1
1-1 (b)	82-473-057-01		Front panel-"UK" model only	*	1
1-2	82-473-238-01		Guide B, Button	*	1
1-3	82-473-237-01		Guide A, Button	*	1
1-4	82-380-366-01		Spacer B, Top panel	*	1
1-5	82-473-005-01		Scale board, Tuning dial	*	1
1-6	82-473-009-01		Half mirror	*	1
1-7	82-473-006-01		Window, Tuning dial	*	1
1-8	82-380-026-01		Guide, Power button		1
1-9	82-473-061-01		Speaker knob ass'y	*	1
1-10	82-473-045-01		Knob, Tone	*	4
1-11	82-473-021-01		Knob, Volume	*	1
1-12	82-473-060-01		Tuning knob ass'y	*	1
1-13	82-473-004-01		Bottom plate	*	1
1-14	87-085-141-01		Leg		4
1-15	82-473-047-01		Screw, Top panel	*	4
1-16	82-380-002-01		Top panel		1
1-17	82-473-239-01		Net	*	1
1-18	82-380-439-01		Spacer, Rear panel		1

Ref. No.	Part No.	Description	Q'ty
1-101	87-263-171-01	V + 4-10	4
1-102	87-257-092-01	U + 3-4 (Black)	5
1-103	87-081-402-01	UT ₂ + 3-8 (Black)	1
1-104	87-233-094-01	Q + 3-6	3

Ref. No.	Part No.	Description	Q'ty
1-105	87-410-340-01	W9-16-0.5	2
1-106	87-081-253-01	N-9	2

EXPLODED VIEW-2

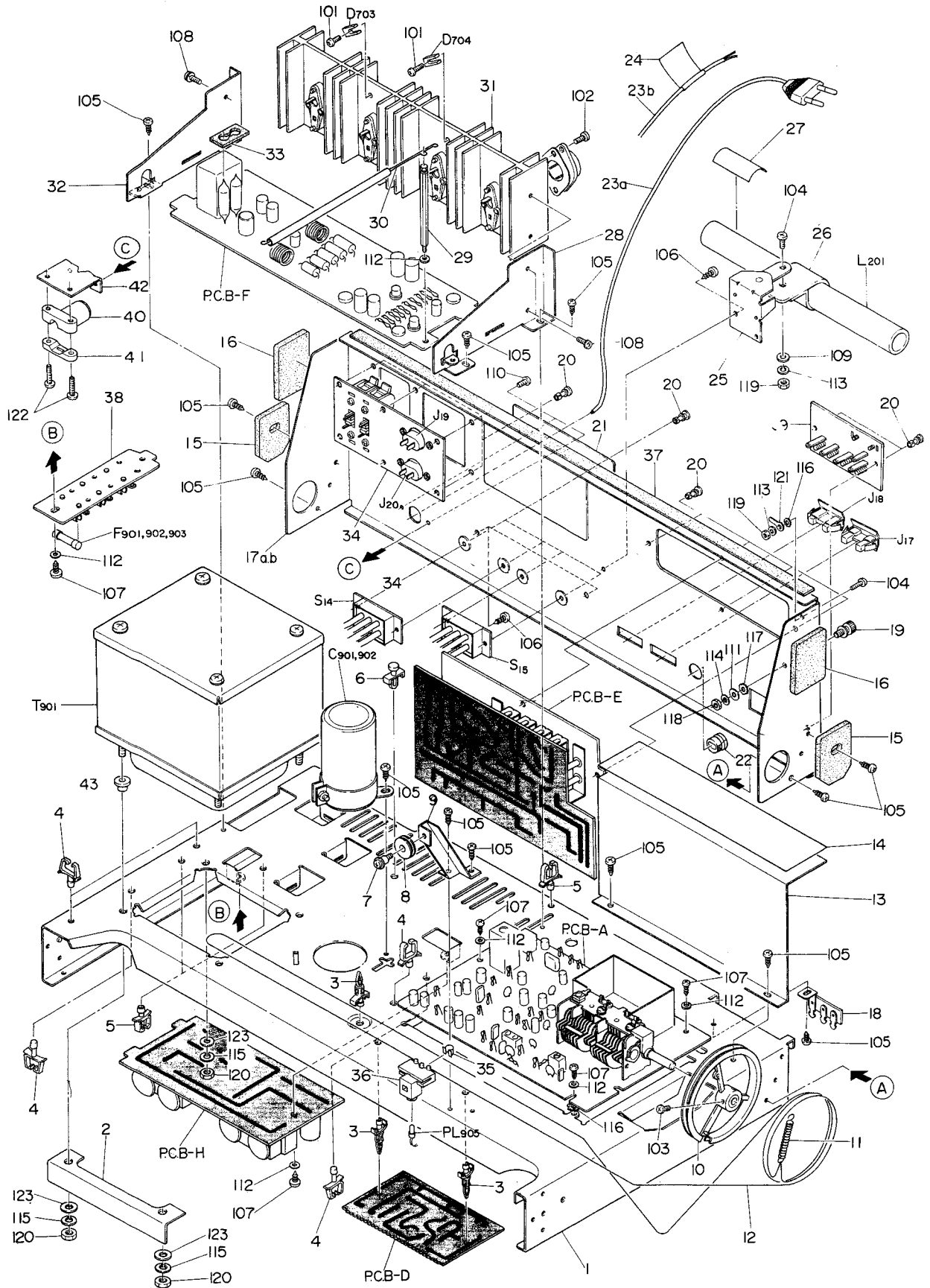


Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
2-1	82-473-043-01		Spacer, dial plate	*	2
2-2	82-473-035-01		Dial plate, Lower	*	1
2-3	82-473-015-01		Pointer ass'y	*	1
2-4	82-473-037-01		Holder B, Dial plate	*	2
2-5	82-473-224-01		Himeron, Reflector-blocking	*	2
2-6	82-473-034-01		Dial plate, Upper	*	1
2-7	82-473-007-01		Decorative plate, Tuning dial	*	1
2-8	82-473-226-01		Sub-cushion, Dial plate	*	4
2-9	82-473-223-01		Cushion, Dial plate	*	2
2-10	82-473-008-01		Holder A, Dial plate	*	2
2-11	82-473-243-01		Masking tape, Meter	*	2
2-12	82-473-246-01		Filter, Meter	*	2
2-13	82-473-233-01		Cushion, Meter	*	1
2-14	82-473-251-01		Collar, DIN jack	*	2
2-15	82-380-292-01		Collar, AC holder	*	2
2-16	82-473-202-01		Chassis, Front	*	1
2-17	82-473-248-01		Spacer C, Side panel	*	2
2-18	82-473-207-01		Tuning shaft ass'y	*	1
2-19	82-473-259-01		Flywheel, Tuning	*	1
2-20	82-473-244-01		Holder; Rear, Dial plate	*	1
2-21	82-473-216-01		Roller holder C	*	1
2-22	82-473-220-01		Roller	*	3
2-23	87-081-483-01		Motor screw	*	2
2-24	82-473-215-01		Roller holder B	*	1
2-25	82-473-231-01		Reflector board	*	4
2-26	82-473-232-01		Cushion, Lamp	*	4
2-27	82-470-212-01		Reflector board, Meter	*	1
2-28	82-473-225-01		Himeron cloth; Reflector board, Meter	*	1
2-29	82-473-234-01		Partition plate, Meter	*	1
2-30	82-473-258-01		Holder, AC switch	*	1
2-31	82-380-013-01		AC button ass'y	*	1
2-32	82-473-214-01		Roller holder A	*	1
2-33	82-473-255-01		Adjusting plate, Roller	*	1
2-34	82-463-216-01		Rubber bushing	TPR-900	3
2-35	82-473-240-01		Lamp bushing	*	1
2-36	87-064-038-01		Wire clip A	*	1
2-37	82-473-029-01		Push-button B	*	4
2-38	82-473-027-01		Push-button A	*	6
2-39	82-475-254-01		Adjusting screw, Roller	*	1
2-40	82-473-261-01		Push collar	*	4
2-41	82-473-262-01		Stopper collar	*	2

Ref. No.	Part No.	Description	Q'ty
2-101	87-263-094-01	V + 3-6	1
2-102	87-263-093-01	V + 3-5	2
2-103	87-253-095-01	U + 3-8	4
2-104	87-253-075-01	U + 2.6-10	2
2-105	87-233-072-01	Q + 2.6-5	4
2-106	87-353-093-01	VT ₂ + 3-5	2
2-107	87-343-094-01	UT ₂ + 3-6	8

Ref. No.	Part No.	Description	Q'ty
2-108	87-231-036-01	Q + 2-8	2
2-109	87-480-093-01	VS + 3-5	2
2-110	87-480-072-01	VS + 2.6-5	1
2-111	87-081-253-01	N-9	1

EXPLODED VIEW-3

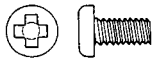
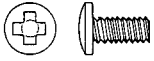
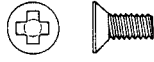











Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
3-1	82-473-205-01		Chassis	*	1
3-2	82-473-256-01		Reinforcement plate, Chassis	*	1
3-3	87-064-061-01		Holder B, Circuit board		3
3-4	87-064-038-01		Wire clip A		4
3-5	87-064-051-01		Wire clip F		3
3-6	87-064-060-01		Holder A, Circuit board		1
3-7	87-081-483-01		Motor screw		1
3-8	82-473-220-01		Roller	*	1
3-9	82-473-217-01		Holder D, Roller	*	1
3-10	82-473-211-01		Dram, Tuning dial	*	1
3-11	82-473-252-01		Spring, Tuning dial	*	1
3-12	87-096-082-01		String, Tuning dial		1750 mm
3-13	82-473-206-01		Shield, Phono	*	1
3-14	82-473-242-01		Label; Shield	*	1
3-15	82-473-245-01		Spacer A, Side panel	*	2
3-16	82-473-247-01		Spacer B, Side panel	*	2
3-17	82-473-055-01		Rear panel	*	1
3-18	87-033-011-01		Lug plate, 1L 2P		1
3-19	87-033-088-01		Earth terminal		1
3-20	87-085-102-01		Nylon rivet		16
3-21	82-473-058-01		Name plate, Spec.	*	1
3-22	87-085-101-01		Cord bushing		1
3-23 (a)	87-034-835-01		AC power cord-"EE" model only		1
3-23 (b)	87-034-847-01		AC power cord-"UK" model only		1
3-24	87-056-008-01		Label, AC power cord - "UK" model only		1
3-25	82-473-010-01		Antenna holder ass'y	*	1
3-26	82-473-013-01		Antenna holder C	*	1
3-27	82-473-051-01		Caution label, Antenna	*	1
3-28	82-473-213-01		Holder B, Heatsink plate	*	1
3-29	82-473-241-01		Brasspost, Cord	*	1
3-30	82-473-250-01		Spring, Cord support	*	1
3-31	82-473-609-01		Heatsink	*	1
3-32	82-473-212-01		Holder A, Heatsink plate	*	1
3-33	82-473-253-01		Holder, Circuit breaker	*	1
3-34	82-473-703-01		Speaker terminal	*	1
3-35	82-473-019-01		Lock plate, Pointer	*	1
3-36	82-473-018-01		Holder, Pointer	*	1
3-37	82-380-366-01		Spacer B, Top panel		1
3-38	82-473-640-01		Holder, Fuse	*	1
3-39	82-473-626-01		Screw terminal	*	1
3-40	87-085-094-01		Holder A, AC power cord		1
3-41	87-085-095-01		Holder B, AC power cord		1
3-42	82-473-257-01		Holder, AC power cord	*	1
3-43	82-473-267-01		Collar, Power transformer	*	4

Ref. No.	Part No.	Description	Q'ty
3-101	87-263-096-01	V + 3-10	2
3-102	87-263-099-01	V + 3-15	8
3-103	87-263-093-01	V + 3-5	2
3-104	87-257-097-01	V + 3-12 (Black)	2
3-105	87-343-094-01	UT ₂ + 3-6	14
3-106	87-081-402-01	UT ₂ 3-8 (Black)	5
3-107	87-343-095-01	UT ₂ + 3-8	5
3-108	87-480-093-01	VS + 3-5	4
3-109	87-410-316-01	W3-8-0.8	1
3-110	87-257-092-01	U + 3-4 (Black)	2
3-111	87-410-325-01	W4-10-1.0	1

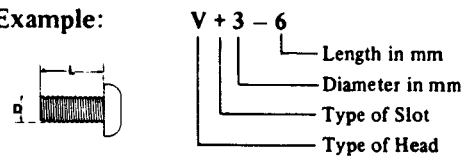
Ref. No.	Part No.	Description	Q'ty
3-112	87-081-017-01	FW3-8-1.0	6
3-113	87-421-306-01	SW-3	2
3-114	87-421-308-01	SW-4	1
3-115	87-421-310-01	SW-6	4
3-116	87-433-904-01	WT1E-3	2
3-117	87-433-906-01	WT1E-4-10	1
3-118	87-391-024-01	N-4	1
3-119	87-391-017-01	N-3	2
3-120	87-391-029-01	N-5	4
3-121	87-450-414-01	LB-4	1
3-122	87-263-099-01	V + 3-15	2
3-123	87-081-021-01	FW6-13-1.0	4

HARDWARE NOMENCLATURE

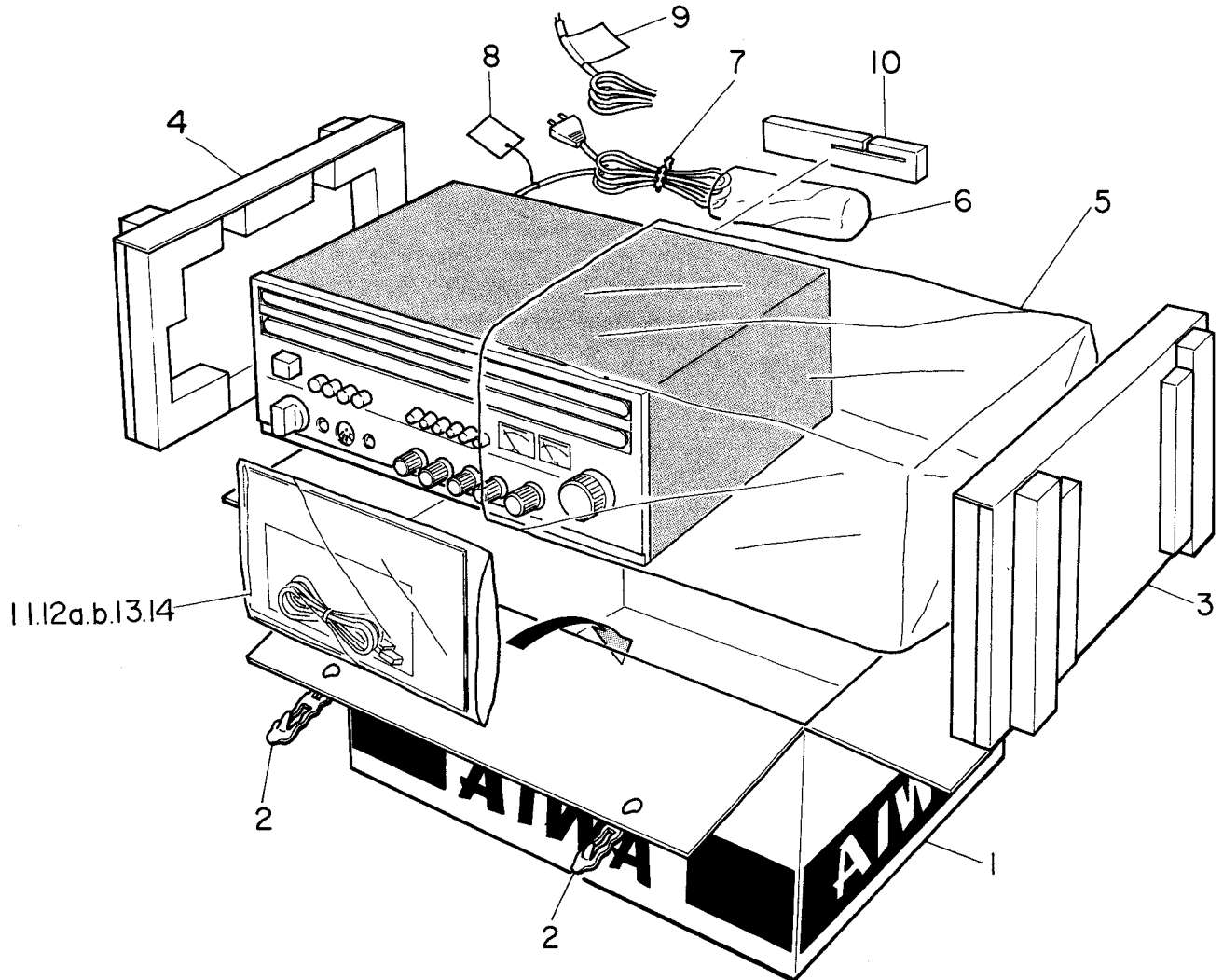
V:	Pan head screw	
U:	Binding head screw	
Q:	Flat countersunk head screw	
VT₂:	Pan head tapping screw	
UT₂:	Binding head tapping screw	
VS:	Pan head screw with spring washer	

W:	Washer	
FW:	Fibre washer	
SW:	Spring washer	
WTIE:	Crown washer	
LB:	Lug terminal plate	
N:	Nut	

Example:



ACCESSORIES/PACKAGE



ACCESSORIES/PACKAGE

Ref. No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
1	82-473-857-01		Printed indiv. packing	*	1
2	87-056-500-01		Curl stopper		2
3	82-473-859-01		Cushion R, Printed indiv.	*	1
4	82-473-858-01		Cushion L, Printed indiv.	*	1
5	87-051-173-01		Poly-vinyl sack (for case)		1
6	87-051-131-01		Poly-vinyl sack (for AC power cord)		1
7	87-058-009-01		Free-up belt		1
8	87-056-016-01		Tag, Voltage selector		1
9	87-056-008-01		Label, AC power cord (UK model only)		1
10	82-473-861-01		Cushion, Bar antenna	*	1
11	87-051-171-01		Poly-vinyl sack		1
12 (a)	82-473-908-01		Instructions booklet (EE model only)	*	1
12 (b)	87-473-909-01		Instructions booklet (UK model only)	*	1
13	87-056-009-01		Distributors list		1
14	87-043-025-01		FM antenna		1

ELECTRICAL PARTS

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
◀ TUNER CIRCUIT BOARD SECTION ▶					
PCB-A	82-473-695-11		Tuner circuit board	*	1
TR101	89-307-842-01		Transistor, 2SC-784 (R)		1
TR102	89-303-944-01		Transistor, 2SC-394 (Y)		1
TR103,104, 105,106	89-303-813-01		Transistor, 2SC-381 (O)		4
TR107,204	87-026-045-01		Transistor, 2SC-380A (O)		2
TR108,109, 110	89-309-456-01		Transistor, 2SC-945L (P)		3
TR111	89-313-172-01		Transistor, 2SC-1317 (R)		1
TR201,202	89-303-804-01		Transistor, 2SC-380 (Y)		2
TR203	89-303-803-01		Transistor, 2SC-380 (O)		1
FET101	87-026-100-01		FET, 2SK-49 (Hz)		1
IC101	87-027-148-01		IC, KB-4400		1
D101	87-026-049-01		Diode, 1S-2139 (B)		1
D102,103,106, 107,108,109	88-052-188-11		Diode, 1S-188 (FM)		6
D104,105,110 111,201,202	87-027-097-01		Diode, 1S-1555		6
D112	87-027-142-01		Zener diode, WZ-100		1
L101	82-470-621-01		FM coil		1
L102	82-470-622-01		FM coil, 2½t		1
L103	82-470-604-01		FM choke coil, 2.2µH		1
L104	82-473-689-01		FM coil, 1½t	*	1
L105,107	87-005-094-01		Micro inductor, 10mH		2
L106,108	82-473-628-01		Micro inductor, 8.2mH	*	2
L202	82-457-699-01		MW OSC coil		1
IFT101,102	84-173-614-01		FM IFT		2
IFT103	87-008-159-01		FM IFT (ratio)		1
IFT201	87-008-160-01		AM IFT		1
CF101,102	82-473-620-01		FM ceramic filter	*	2
CFT201	87-008-118-01		AM ceramic filter trans (EE model only)		1
CFT201	87-008-152-01		AM ceramic filter trans (UK model only)		1
VC1~5			VC	*	1
TC1~5	82-473-606-01		VC	*	1
SFR101	87-021-239-01		Semi-fixed resistor, 50kΩ - B		1
SFR102	87-021-366-01		Semi-fixed resistor, 10kΩ - B		1
	87-033-092-01		PCB tab, A		1
	82-467-211-01		Shield case		1
	82-471-646-01		Shield plate		1
			< Resistors >		
R135,158	88-131-330-01		33Ω 1/4W ±5%		2
R104,121,128, 129,146,210, 219,231	88-131-101-01		100Ω 1/4W ±5%		8
R132,218	88-131-471-01		470Ω 1/4W ±5%		2
R214	88-131-681-01		680Ω 1/4W ±5%		1
R106,123,131, 142,144,154	88-131-102-01		1kΩ 1/4W ±5%		6
R204	88-131-182-01		1.8kΩ 1/4W ±5%		1
R125,134	88-131-222-01		2.2kΩ 1/4W ±5%		2
R130	88-131-272-01		2.7kΩ 1/4W ±5%		1
R222,229	88-131-332-01		3.3kΩ 1/4W ±5%		2
R227	88-131-392-01		3.9kΩ 1/4W ±5%		1
R202	88-131-472-01		4.7kΩ 1/4W ±5%		1
R217	88-131-682-01		6.8kΩ 1/4W ±5%		1
R138,205	88-131-103-01		10kΩ 1/4W ±5%		2
R114,153	88-131-123-01		12kΩ 1/4W ±5%		2
R152	88-131-153-01		15kΩ 1/4W ±5%		1
R102	88-131-183-01		18kΩ 1/4W ±5%		1
R208	88-131-273-01		27kΩ 1/4W ±5%		1
R118,119,155 215,220	88-131-333-01		33kΩ 1/4W ±5%		5

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
R207	88-131-393-01		39kΩ 1/4W ±5%		1
R201	88-131-823-01		82kΩ 1/4W ±5%		1
R107	88-131-104-01		100kΩ 1/4W ±5%		1
R212	88-131-124-01		120kΩ 1/4W ±5%		1
R103	88-131-474-01		470kΩ 1/4W ±5%		1
R101	88-181-100-01		10Ω 1/4W ±5% ELR		1
R139	88-181-220-01		22Ω 1/4W ±5% ELR		1
R110,111,206, 211,230	88-181-101-01		100Ω 1/4W ±5% ELR		5
R120,127,133	88-181-151-01		150Ω 1/4W ±5% ELR		3
R126,137,168	88-181-221-01		220Ω 1/4W ±5% ELR		3
R141,209	88-181-331-01		330Ω 1/4W ±5% ELR		2
R124	88-181-391-01		390Ω 1/4W ±5% ELR		1
R162,165	88-181-681-01		680Ω 1/4W ±5% ELR		2
R108,115,140	88-181-102-01		1kΩ 1/4W ±5% ELR		3
R112,136,149	88-181-222-01		2.2kΩ 1/4W ±5% ELR		3
R156,157	88-181-332-01		3.3kΩ 1/4W ±5% ELR		2
R122	88-181-392-01		3.9kΩ 1/4W ±5% ELR		1
R167	88-181-472-01		4.7kΩ 1/4W ±5% ELR		1
R117,161,170	88-181-562-01		5.6kΩ 1/4W ±5% ELR		3
R151,216	88-181-822-01		8.2kΩ 1/4W ±5% ELR		2
R143,145,213	88-181-103-01		10kΩ 1/4W ±5% ELR		3
R223	88-181-123-01		12kΩ 1/4W ±5% ELR		1
R228	88-181-153-01		15kΩ 1/4W ±5% ELR		1
R109,226	88-181-183-01		18kΩ 1/4W ±5% ELR		2
R116,221	88-181-223-01		22kΩ 1/4W ±5% ELR		2
R148	88-181-273-01		27kΩ 1/4W ±5% ELR		1
R113,147,225,	88-181-333-01		33kΩ 1/4W ±5% ELR		3
R105	88-181-473-01		47kΩ 1/4W ±5% ELR		1
R150	88-181-563-01		56kΩ 1/4W ±5% ELR		1
R203,224	88-181-104-01		100kΩ 1/4W ±5% ELR		2
R159,164	88-181-124-01		120kΩ 1/4W ±5% ELR		2
R160,163	88-181-154-01		150kΩ 1/4W ±5% ELR		2
R166	88-152-101-01		100Ω 1W ±10%		1
			< Capacitors >		
C139,152,159	88-337-590-01		0.47μF 50V Electrolytic		3
C103,120,144, 148,173,205, 214,216,225	88-337-100-01		1μF 50V Electrolytic		9
C126	88-336-110-01		10μF 25V Electrolytic		1
C168	88-336-310-01		33μF 25V Electrolytic		1
C133,208	88-335-110-01		10μF 16V Electrolytic		2
C145,167	88-335-510-01		47μF 16V Electrolytic		2
C153,160	88-333-310-01		33μF 10V Electrolytic		2
C210	88-617-530-01		360pF Styrol		1
C142	88-617-550-01		470pF Styrol		1
C146	87-015-106-01		0.47μF Aluminum solid		1
C155,162	88-707-660-01		0.0022μF Mylar		2
C157,164	88-707-750-01		0.0082μF Mylar		2
C209,223	88-717-810-01		0.01μF Mylar		2
C150,151	88-707-820-01		0.015μF Mylar		2
C154,158,161, 165	88-707-880-01		0.018μF Mylar		4
C215,219	88-717-830-01		0.022μF Mylar		2
C156,163	88-707-890-01		0.027μF Mylar		2
C149	88-717-840-01		0.033μF Mylar		1
C143,212	88-717-850-01		0.047μF Mylar		2
C221	88-717-980-01		0.056μF Mylar		1
C147	88-717-930-01		0.22μF Mylar		1
C108	88-212-100-01		10pF Ceramic		1
C122	88-212-130-01		13pF Ceramic		1

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
C114	88-212-150-01		15pF Ceramic		1
C125	88-212-220-01		24pF Ceramic		1
C107	88-212-410-01		100pF Ceramic		1
C134,135	88-212-420-01		120pF Ceramic		2
C102	88-212-480-01		220pF Ceramic		1
C106	88-212-500-01		270pF Ceramic		1
C121,136	88-212-510-01		300pF Ceramic		2
C141	88-212-550-01		470pF Ceramic		1
C116	88-213-010-01		1pF Ceramic		1
C109	88-213-020-01		2pF Ceramic		1
C171	88-213-040-01		4pF Ceramic		1
C101,105	88-213-060-01		6pF Ceramic		2
C211	88-213-090-01		9pF Ceramic		1
C130	88-214-610-01		0.001μF Ceramic		1
C111,115,117 118,203,206 218,220,222	88-214-720-01		0.0047μF Ceramic		9
C202,204,207	88-214-810-01		0.01μF Ceramic		3
C137	88-215-610-01		0.001μF Ceramic		1
C104,112,119 123,124,127 128,129,131 138,140,166 169,172,201 213,217,224 226,227,230	88-215-810-01		0.01μF Ceramic		21
C132	88-215-850-01		0.047μF Ceramic		1
C113	88-251-102-01		10pF Ceramic		1
C170	88-251-122-01		12pF Ceramic		1
◀ PRF AMP/SELECTOR SWITCH-1 CIRCUIT BOARD SECTION ▶					
PCB-B	82-473-604-21		PRE AMP/SELECTOR SWITCH-1 circuit board (UK model only)	*	1
PCB-B	82-473-712-01		PRE AMP/SELECTOR SWITCH-1 Circuit board (EE model only)	*	1
TR501,502	89-107-505-01		Transistor, 2SA-750 (E)		2
TR503,504	89-314-005-01		Transistor, 2SC-1400 (E)		2
S1,2,3,4,5,6	82-473-638-01		Push switch (SELECTOR SWITCH)	*	1
S7,8,9,10	82-473-639-01		Push switch (AFC, FM MUTING, LOUDNESS, STEREO)	*	1
	87-032-437-01		3P mini plug		1
	87-032-653-01		Pin 3P		3
	87-032-654-01		Pin 4P		3
	87-032-655-01		Pin 5P		1
	87-032-656-01		Pin 6P		2
	87-032-657-01		Pin 7P		2
< Resistors >					
R513,514	88-131-331-01		330Ω 1/4W ±5%		2
R533,534,539 540	88-131-102-01		1kΩ 1/4W ±5%		4
R523,524	88-131-112-01		1.1kΩ 1/4W ±5%		2
R507,508	88-131-182-01		1.8kΩ 1/4W ±5%		2
R519,520	88-131-332-01		3.3kΩ 1/4W ±5%		2
R521,522	88-131-562-01		5.6kΩ 1/4W ±5%		2
R543,544	88-131-103-01		10kΩ 1/4W ±5%		2
R501,502	88-131-123-01		12kΩ 1/4W ±5%		2
R509,510,525 526,541,542	88-131-223-01		22kΩ 1/4W ±5%		6
R505,506	88-131-333-01		33kΩ 1/4W ±5%		2
R527,528,529 530,535,536	88-131-473-01		47kΩ 1/4W ±5%		6
R515,516,531 532	88-131-104-01		100kΩ 1/4W ±5%		4

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
R503,504	88-131-224-01		220kΩ 1/4W ±5%		2
R537,538	88-131-394-01		390kΩ 1/4W ±5%		2
R517,518	88-131-394-01		390kΩ 1/4W ±5% (UK model only)		2
R545,546	88-141-332-01		3.3kΩ 1/2W ±5%		2
R547	88-141-392-01		3.9kΩ 1/2W ±5%		1
R548	88-141-472-01		4.7kΩ 1/2W ±5%		1
R511,512	82-473-705-01		6.8kΩ 1W Metal film	*	2
< Capacitors >					
C515,516	88-337-120-01		100μF 50V Electrolytic		2
C507,508	88-332-310-01		33μF 6.3V Electrolytic		2
C513,514	88-332-320-01		330μF 6.3V Electrolytic		2
C503,504	87-015-244-01		4.7μF 50V Electrolytic		2
C511,512	82-473-681-01		4.7μF 50V Electrolytic	*	2
C521,522	88-707-830-01		0.022μF Mylar		2
C517,518	88-707-950-01		0.39μF Mylar (UK model only)		2
C501,502	88-212-290-01		47pF Ceramic		2
C509,510	88-212-100-01		10pF Ceramic		2
C505,506	88-212-410-01		100pF Ceramic		2
C519,520	88-212-460-01		180pF Ceramic		2
« SELECTOR SWITCH-2 CIRCUIT BOARD SECTION »					
PCB-C	82-473-607-01		SELECTOR SWITCH-2 circuit board (UK model only) *		1
PCB-C	82-473-714-01		SELECTOR SWITCH-2 circuit board (EE model only) *		1
« MUTING CIRCUIT BOARD SECTION »					
PCB-D	82-473-697-11		MUTING circuit board (UK model only)	*	1
PCB-D	82-473-713-01		MUTING circuit board (EE model only)	*	1
TR301,302, 303,304 306,308 309	89-309-456-01		Transistor, 2SC-945L (P)		7
TR305,307	89-104-954-01		Transistor, 2SA-495 (Y)		2
D301,302,305 307,308	88-052-188-11		Diode, 1S-188 (FM)		5
D303,304,306	87-027-097-01		Diode, 1S-1555		3
	87-033-092-01		PCB tab, A		2
	87-032-653-01		Pin 3P		1
	87-032-654-01		Pin 4P		1
< Resistors >					
R314	88-131-561-01		560Ω 1/4W ±5%		1
R308,311	88-131-102-01		1kΩ 1/4W ±5%		2
R318	88-131-152-01		1.5kΩ 1/4W ±5%		1
R315	88-131-222-01		2.2kΩ 1/4W ±5%		1
R309	88-131-392-01		3.9kΩ 1/4W ±5%		1
R310	88-131-562-01		5.6kΩ 1/4W ±5%		1
R313,316,317	88-131-682-01		6.8kΩ 1/4W ±5%		3
R301,302,303	88-131-103-01		10kΩ 1/4W ±5%		3
R306,304	88-131-333-01		33kΩ 1/4W ±5%		2
R312	88-131-473-01		47kΩ 1/4W ±5%		1
R305	88-131-563-01		56kΩ 1/4W ±5%		1
R307	88-131-104-01		100kΩ 1/4W ±5%		1
< Capacitors >					
C301	88-336-300-01		3.3μF 25V Electrolytic		1
C302	88-336-500-01		4.7μF 25V Electrolytic		1
« JACK/EQUALIZER AMP CIRCUIT BOARD »					
PCB-E	82-473-608-21		JACK/EQUALIZER AMP circuit board	*	1
TR401,402, 403,404	82-473-644-01		Transistor, 2SA-750 (DA)	*	4
TR405,406, 407,408	82-473-645-01		Transistor, 2SC-1400 (DA)	*	4
TR409,410	89-317-354-01		Transistor, 2SC-1735 (E)		2

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
J1,2,3,4,5,6, 7,8,9,10,11, 12,13	82-473-625-11		Jack ass'y (12P pin jack, DIN jack) (PHONO, AUX, TAPE-1, TAPE-2, REC/PB)		1
R413,414	88-131-112-01		< Resistors > 1.1kΩ 1/4W ±5%		2
R401,402	88-131-152-01		1.5kΩ 1/4W ±5%		2
R419,420	88-131-182-01		1.8kΩ 1/4W ±5%		2
R429,430	88-131-222-01		2.2kΩ 1/4W ±5%		2
R407,408,409 410	88-131-303-01		30kΩ 1/4W ±5%		4
R403,404	88-131-563-01		56kΩ 1/4W ±5%		2
R415,416,417 418	88-131-623-01		62kΩ 1/4W ±5%		4
R423,424,431 432	88-131-104-01		100kΩ 1/4W ±5%		4
R411,412	88-131-184-01		180kΩ 1/4W ±5%		2
R433,434	88-131-394-01		390kΩ 1/4W ±5%		2
R405,406	88-131-914-01		910kΩ 1/4W ±5%		2
R421,422	82-473-676-01		3.9kΩ 1W ±1% Metal film	*	2
R427,428	82-473-683-01		68.1kΩ ±1% Metal film	*	2
R425,426	82-473-682-01		850kΩ ±1% Metal film	*	2
C411,412	82-473-681-01		< Capacitors > 4.7μF 50V Electrolytic (NL, BP)	*	2
C407,408	82-473-680-01		47pF 10V Electrolytic (BP)	*	2
C401,402	87-015-244-01		4.7μF 50V Electrolytic (NL)		2
C413,414	88-337-110-01		10μF 50V Electrolytic		2
C417,418	82-473-685-01		1100pF PP	*	2
C415,416	82-473-684-01		3900pF PP	*	2
C409,410	88-212-290-01		47μF Ceramic		2
C403,404	88-212-480-01		220pF Ceramic		2
C405,406	88-212-610-01		1000pF Ceramic		2
◀ MAIN AMP CIRCUIT BOARD SECTION ▶					
PCB-F	82-473-605-11		MAIN AMP circuit board	*	1
TR701,702	89-107-336-01		Transistor, 2SA-733 (P)		2
TR703,704	89-107-985-01		Transistor, 2SA-798 (G)		2
TR705,706, 707,708	89-317-353-01		Transistor, 2SC-1735 (D)		4
TR709,710	89-108-503-01		Transistor, 2SA-850 (D)		2
TR715,716	89-309-458-01		Transistor, 2SC-945L (R)		2
TR717	89-107-196-01		Transistor, 2SA-719 (R)		1
D701,702	87-027-143-01		Zener diode, WZ-150		2
D703,704	82-473-611-01		Diode, STV-3H	*	2
D705,706,707 708,709	87-026-066-01		Diode, M8513 A-O		5
L701,702	82-473-679-01		Coil, 2.2mH	*	2
SFR701,702	87-021-421-01		Semi-fixed resistor, 1kΩ-B		2
SFR703,704	87-021-433-01		Semi-fixed resistor, 470Ω-B		2
RY, S13	82-473-610-11		Relay	*	1
CB701,702	82-473-678-01		Circuit breaker	*	2
	82-473-253-01		Holder, Circuit breaker	*	1
	87-032-437-01		3P mini plug		3
	87-032-654-01		Pin 4P		1
R747	88-131-100-01		< Resistors > 10Ω 1/4W ±5%		1
R713,714,717 718	88-131-681-01		680Ω 1/4W ±5%		4
R748	88-131-102-01		1kΩ 1/4W ±5%		1
R709,710,711 712	88-131-122-01		1.2kΩ 1/4W ±5%		4

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
R701,702,746	88-131-152-01		1.5kΩ 1/4W ±5%		3
R707,708,715 716,727,728	88-131-222-01		2.2kΩ 1/4W ±5%		6
R725,726	88-131-822-01		8.2kΩ 1/4W ±5%		2
R742,743,745	88-131-103-01		10kΩ 1/4W ±5%		3
R705,706,723 724	88-131-153-01		15kΩ 1/4W ±5%		4
R744	88-131-273-01		27kΩ 1/4W ±5%		1
R703,704	88-131-104-01		100kΩ 1/4W ±5%		2
R729,730	88-141-100-01		10Ω 1/2W ±5%		2
R741	88-141-822-01		8.2kΩ 1/2W ±5%		1
R739,740	82-473-616-01		10Ω 1W Metal film	*	2
R731,732,733 734	82-473-617-01		220Ω 1W Metal film	*	4
R735,736,737 738	82-473-618-01		0.47Ω 2W Metal film	*	4
R749	82-473-674-01		15Ω 1W Metal film	*	1
R721,722	82-473-707-01		2.2kΩ 1W Metal film	*	2
R719,720	82-473-708-01		1.5kΩ 1W Metal film	*	2
			< Capacitors >		
C720	88-337-100-01		1μF 50V Electrolytic		1
C709,710	88-337-310-01		33μF 50V Electrolytic		2
C723,724	88-336-120-01		100μF 25V Electrolytic		2
C707,708	88-332-220-01		220μF 6.3V Electrolytic		2
C719	88-437-100-01		1μF 50V Electrolytic		1
C701,702	87-015-245-01		10μF 50V Electrolytic		2
C721	82-473-619-01		100μF 25V Electrolytic	*	1
C722	88-717-610-01		0.001μF Mylar		1
C717,718	88-717-830-01		0.022μF Mylar		2
C711,712	88-212-050-01		5pF Ceramic		2
C713,714	88-212-200-01		20pF Ceramic		2
C715,716	88-212-290-01		47pF Ceramic		2
C703,704	88-212-550-01		470pF Ceramic		2
C705,706	88-212-910-01		0.1μF Ceramic		2
« CONTROL CIRCUIT BOARD SECTION »					
PCB-G	82-473-603-11		CONTROL circuit board	*	1
TR601,602, 606	89-107-505-01		Transistor, 2SA-750 (E)		3
TR603,604, 605	89-314-005-01		Transistor, 2SC-1400 (E)		3
TR607	89-317-353-01		Transistor, 2SC-1735 (D)		1
VR601,602	82-473-612-01		Volume, 250kΩ-B (VOLUME)	*	1
VR603,604	82-473-613-01		Volume, 250kΩ-MN (BALANCE)	*	1
VR605,606, 607,608	82-473-614-01		Volume, 50kΩ-A (TREBLE, BASS)	*	2
VR609	82-473-615-01		Volume, 10kΩ-B (MIC, MIXING)	*	1
			< Resistors >		
R611,612,617 618	88-181-331-01		330Ω 1/4W ±5% ELR		4
R605,606	88-181-561-01		560Ω 1/4W ±5% ELR		2
R637	88-181-681-01		680Ω 1/4W ±5% ELR		1
R629	88-181-162-01		1.6kΩ 1/4W ±5% ELR		1
R636	88-181-182-01		1.8kΩ 1/4W ±5% ELR		1
R623,624	88-181-392-01		3.9kΩ 1/4W ±5% ELR		2
R638	88-181-562-01		5.6kΩ 1/4W ±5% ELR		1
R625	88-181-682-01		6.8kΩ 1/4W ±5% ELR		1
R627	88-181-183-01		18kΩ 1/4W ±5% ELR		1
R607,608,633	88-181-223-01		22kΩ 1/4W ±5% ELR		3
R632	88-181-303-01		30kΩ 1/4W ±5% ELR		1
R603,604	88-181-333-01		33kΩ 1/4W ±5% ELR		2

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
R631	88-18 1-753-01		75kΩ 1/4W ±5% ELR		1
R628	88-18 1-104-01		100kΩ 1/4W ±5% ELR		1
R626	88-18 1-624-01		620kΩ 1/4W ±5% ELR		1
R630	88-18 1-684-01		680kΩ 1/4W ±5% ELR		1
R615,616	88-13 1-222-01		2.2kΩ 1/4W ±5%		2
R613,614	88-13 1-223-01		22kΩ 1/4W ±5%		2
R601,602	88-13 1-224-01		220kΩ 1/4W ±5%		2
R621,622	88-13 1-564-01		560kΩ 1/4W ±5%		2
R619	88-14 1-103-01		10kΩ 1/2W ±5%		1
R634,635	82-473-706-01		4.7kΩ 1W Metal film	*	2
R609,610	82-473-705-01		6.8kΩ 1W Metal film	*	2
			< Capacitors >		
C626	88-337-100-01		1μF 50V Electrolytic		1
C625	88-337-500-01		4.7μF 50V Electrolytic		1
C624	87-015-242-01		2.2μF 50V Electrolytic (LN)		1
C601,602,621	87-015-244-01		4.7μF 50V Electrolytic (LN)		3
C611,612,628	82-473-681-01		4.7μF 50V Electrolytic (BP)	*	3
C605,606	88-332-120-01		100μF 6.3V Electrolytic		2
C609,610	88-332-320-01		330μF 6.3V Electrolytic		2
C613,614	88-707-680-01		0.0027μF Mylar		2
C615,616,617 618	88-707-820-01		0.015μF Mylar		4
C619,620	88-707-970-01		0.082μF Mylar		2
C607,608	88-212-100-01		10pF Ceramic		2
C603,604,622 623	88-212-410-01		100pF Ceramic		4
C627	88-212-570-01		680pF Ceramic		1
◀ POWER CIRCUIT BOARD SECTION ▶					
PCB-H	82-473-602-11		POWER circuit board	*	1
TR801	89-313-846-01		Transistor, 2SC-1384 (R)		1
TR802	89-106-844-01		Transistor, 2SA-684 (R)		1
D801,802	87-027-144-01		Zener diode, WZ-350		2
D803,804,805 806,810	87-027-083-01		Diode, 1S-1885		5
D807	87-027-149-01		Diode, SS-3		1
D809	87-027-150-01		Diode, SS-3R		1
	87-032-437-01		3P mini plug		4
			< Resistors >		
R802,805	88-131-101-01		100Ω 1/4W ±5%		2
R803,806	88-131-332-01		3.3kΩ 1/4W ±5%		2
R801	82-473-700-01		390Ω 2W Metal film	*	1
R804,807	82-473-708-01		1.5kΩ 1W Metal film	*	2
			< Capacitors >		
C801,802,803 805,806	88-337-224-01		220μF 50V Electrolytic		5
C804,807	88-437-134-01		1000μF 50V Electrolytic		2
C812	88-335-524-01		470μF 16V Electrolytic		1
C813	88-717-910-01		0.1μF 50V Mylar		1
C808,809,810 811	88-238-810-01		0.01μF 500V Ceramic		4
◀ LED-1 CIRCUIT BOARD SECTION ▶					
PCB-I	82-473-672-11		LED-1 circuit board	*	1
D502,503	87-026-083-01		Light emitting diode, RED (FM,AM)		2
◀ LED-2 CIRCUIT BOARD SECTION ▶					
PCB-J	82-473-673-01		LED-2 circuit board	*	1
D501,504,505	87-026-088-01		Light emitting diode, GRN (PHONO, AUX, TAPE-2)		3

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
D506	87-026-087-01		Light emitting diode, RED (TAPE-1)		1
« LED-3 CIRCUIT BOARD SECTION »					
PCB-K	82-473-671-21		LED-3 circuit board	*	1
D902	87-026-083-01		Light emitting (FM STEREO)		1
« DIN JACK CIRCUIT BOARD »					
PCB-L	82-473-601-01		DIN JACK circuit board	*	1
J15	87-032-678-01		5P DIN socket (TAPE-2)		1
« LAMP CIRCUIT BOARD SECTION »					
PCB-M	82-473-670-01		LAMP circuit board	*	1
PL906,907	82-473-634-01		Pilot lamp	*	2
	87-032-527-01		Pilot lamp clamp (PL906,907)		4
« MISCELLANEOUS »					
T901	82-473-702-01		Power transformer	*	1
TR711,712	89-310-302-01		Transistor, 2SC-1030 (B)		2
TR713,714	89-107-562-01		Transistor, 2SA-756 (B)		2
LM901	82-473-637-01		Level meter (FM TUNING)	*	1
LM902	82-473-636-01		Level meter (SIGNAL)	*	1
J14	87-032-672-01		Mic jack 6.3φ (MIC)		1
J16	87-032-673-01		Phones jack (PHONES)		1
J17	82-457-697-01		Antenna socket (DIN FM)		1
J18	82-457-696-01		Antenna socket (DIN AM)		1
J19,20	82-473-703-01		SP terminal (SPEAKERS A, B)	*	1
S11	82-473-704-11		Rotary switch (SPEAKERS SELECTOR)	*	1
S12	87-031-342-01		Push switch (POWER)		1
S14,15	87-031-343-01		Slide switch (VOLTAGE SELECTOR-1,2)		2
L201	82-473-669-11		MW bar antenna coil	*	1
PL901,902, 903,904	82-473-632-01		Pilot lamp	*	4
PL905	82-473-633-11		Pilot lamp (TUNING POINTER)	*	1
F901	87-035-142-01		Fuse, 2A		1
	87-057-817-01		Fuse label, 2A		1
F902	87-035-102-01		Fuse, 3.15A		1
	87-057-807-01		Fuse label, 3.15A		1
F903	87-035-141-01		Fuse, 1.6A		1
	87-057-818-01		Fuse label, 1.6A		1
	82-473-710-01		Fuse holde 3P (F901,902,903)	*	1
	82-473-677-01		Transistor socket (TR711,712, 713,714)	*	4
	82-473-609-01		Heat sink	*	1
	82-467-610-01		Feeder, 160mm		1
	82-473-622-01		Feeder, 80mm	*	1
	87-033-011-01		Lug terminal plate 1L2P		1
	82-473-626-11		4P antenna terminal	*	1
	87-085-101-01		Cord bushing		1
	87-034-069-01		AC cord (EE model only)		1
	87-034-847-01		AC cord (UK model only)		1
	87-032-503-01		Pilot lamp socket (PL901,902, 903,904)		1
	82-473-652-11		3P Connector ass'y	*	1
	82-473-653-11		3P Connector ass'y	*	1
	82-473-654-01		3P Connector ass'y	*	1
	82-473-662-01		3P Connector ass'y	*	1
	82-473-663-11		3P Connector ass'y	*	1
	82-473-664-01		3P Connector ass'y	*	1
	82-473-701-01		3P Connector ass'y	*	1
	82-473-661-01		3P Connector ass'y	*	1

Symbol No.	Part No.	Part No. Changed to	Description	Common Model	Q'ty
	82-4 73-650-11		4P Connector ass'y	*	1
	82-4 73-658-01		4P Connector ass'y	*	1
	82-4 73-659-01		4P Connector ass'y	*	1
	82-4 73-660-01		4P Connector ass'y	*	1
	82-4 73-691-11		4P Connector ass'y	*	1
	82-4 73-649-01		5P Connector ass'y	*	1
	82-4 73-646-01		6P Connector ass'y	*	1
	82-4 73-647-01		6P Connector ass'y	*	1
	82-4 73-648-01		7P Connector ass'y	*	1
	82-4 73-657-01		7P Connector ass'y	*	1
			< Resistor >		
R901,902	88-141-271-01		270Ω 1/2W ±5%		2
			< Capacitor >		
C901,902	82-4 73-623-01		4700μF x 2 35V Electrolytic	*	1
C903	88-2 14-810-01		0.01μ Ceramic		1
C904	82-4 73-709-01		0.001μF 250V Ceramic	*	1