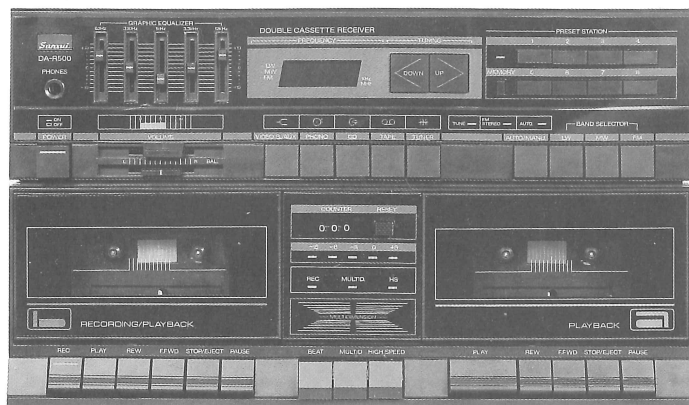


DOUBLE CASSETTE RECEIVER

SANSUI DA-R500**Specifications****Audio section****Power output**

Min. RMS, both channels driven from 35 to 20,000 Hz with no more than 0.5% total harmonic distortion
20 watters per channel into 4 ohms

Total harmonic distortion.. less than 0.5% at or below rated min. RMS power output

Load impedance..... 4-8 ohms

Input sensitivity and Impedance (1 kHz)

PHONO..... 2.5 mV/47 kohms

VIDEO S./AUX..... 150 mV/47 kohms

CD..... 500 mV/47 kohms

Frequency response (at 1 watt)

..... 20 to 20,000 Hz, +3 dB, -3 dB

Signal to noise ratio (short-circuit, A-network)

PHONO..... 72 dB

CD/VIDEO S./AUX..... 90 dB

FM section

Tuning range..... 88 to 108 MHz

Usable sensitivity

Mono IHF..... 10.8 dBf (1.9 μ V: T-100)

DIN..... 0.9 μ V

50 dB quieting sensitivity

Stereo..... 37 dBf

Signal to noise ratio (at 65 dBf)

Stereo..... 60 dB

Distortion (at 65 dBf)

Stereo..... less than 0.35% at 1,000 Hz

Stereo separation..... 40 dB at 1,000 Hz

AM section

Tuning range..... 520 to 1,710 kHz

Units with MW, LW switch

MW..... 522 to 1611 kHz

LW..... 153 to 360 kHz

Usable sensitivity (Loop antenna)

..... 58 dB/m

Signal to noise ratio..... 45 dB

Tape section

Track format..... 4-track 2-channel system

Wow/flutter..... 0.35% max (WRMS)

Signal to noise ratio

..... Better than 50 dB

Frequency-response (-20 VU recording/playback)

Normal Tape (LH)..... 125 to 10,000 Hz $\pm$ 3dB

Power requipment..... AC 110 ~ 120V/220V ~ 240V (50/60 Hz)

for U.S.A. (UL)..... AC 120V (60 Hz)

UK (BS)..... AC 240V (50 Hz)

220V area..... AC 220V (50/60 Hz)

Power consumption..... 140 watts

Dimensions..... 340 mm (13-1/4") W

345 mm (13-5/8") D

210 mm (8-1/4") H

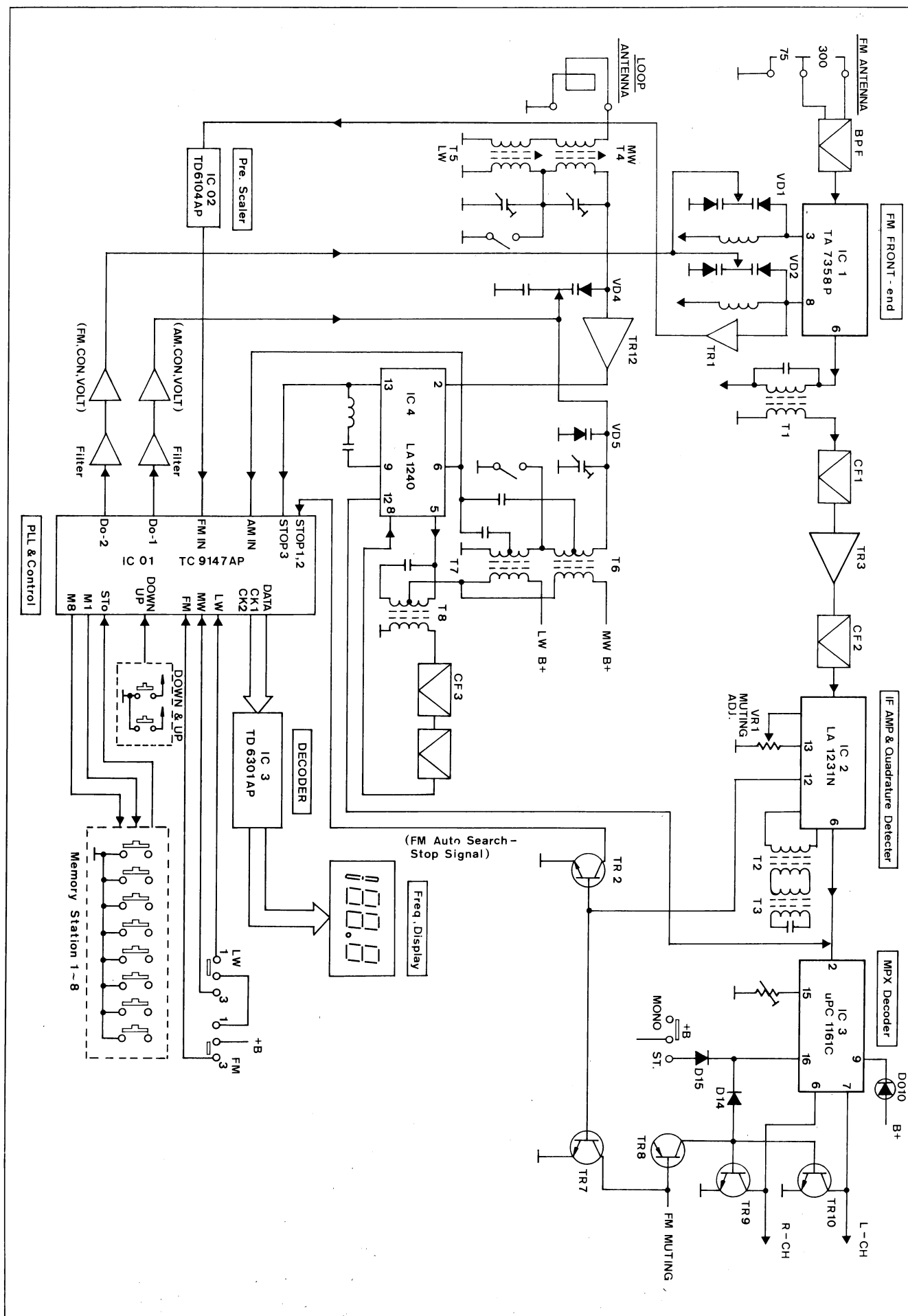
Weight..... 7.2 kg (15.8 lbs) net

8.2 kg (18.0 lbs) packed

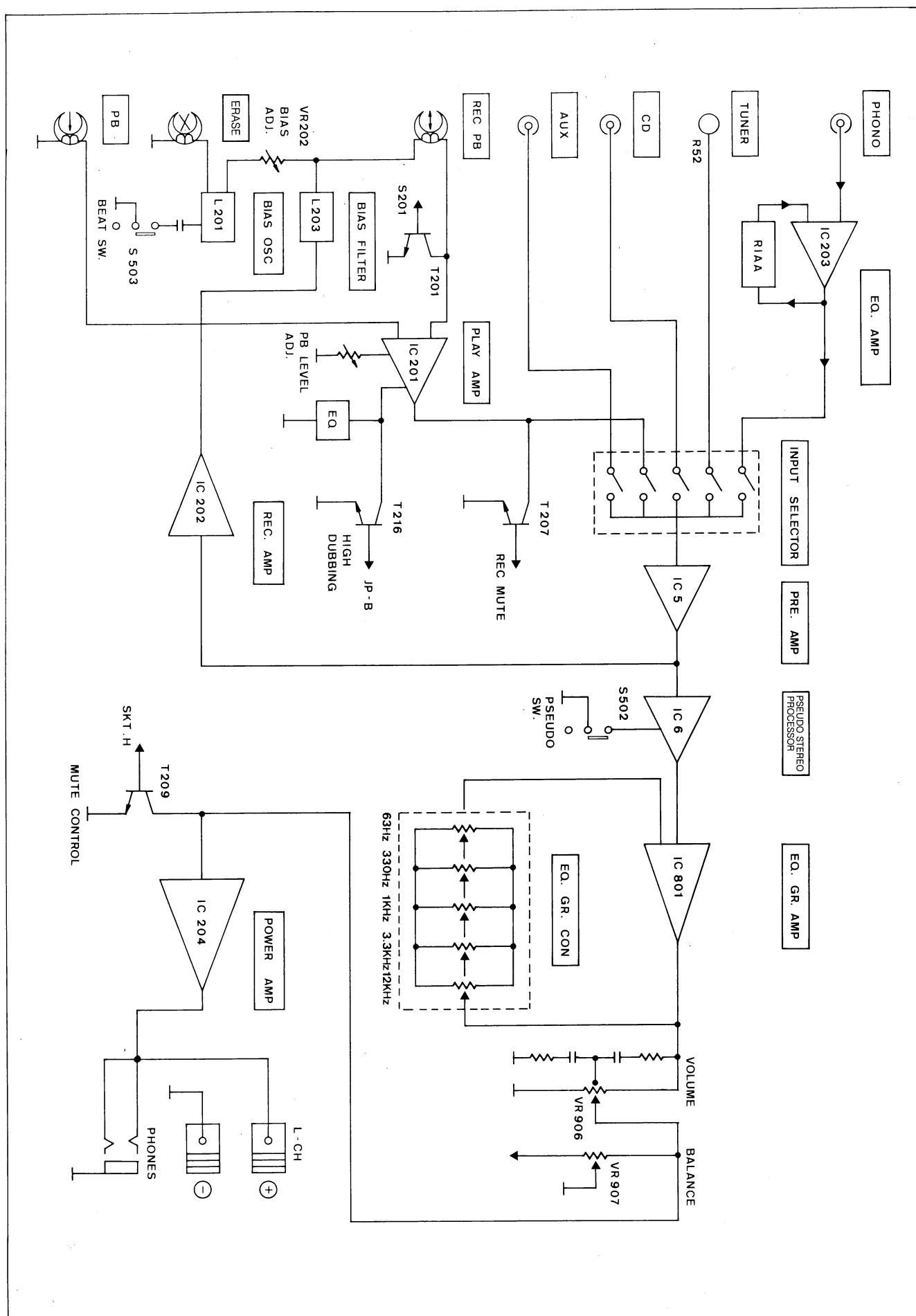
- Design and specifications subject to changes without notice for improvements.

1. BLOCK DIAGRAM

1-1. Tuner Section

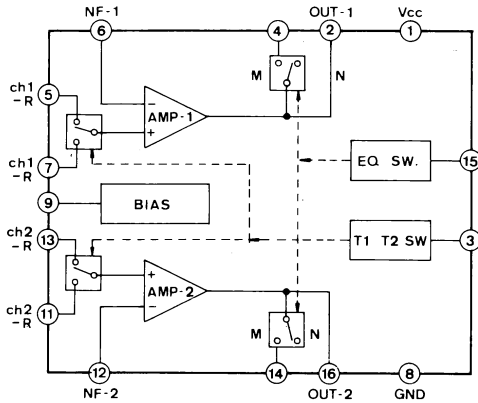


1-2. Cassette Deck REC/P.B Amp. & Audio Amp. Section

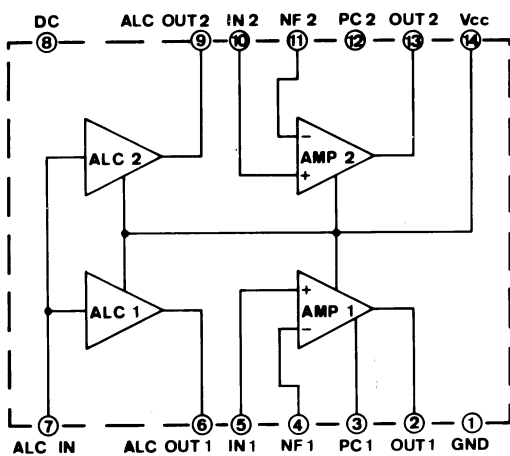


2. INTERIOR BLOCK DIAGRAM OF IC

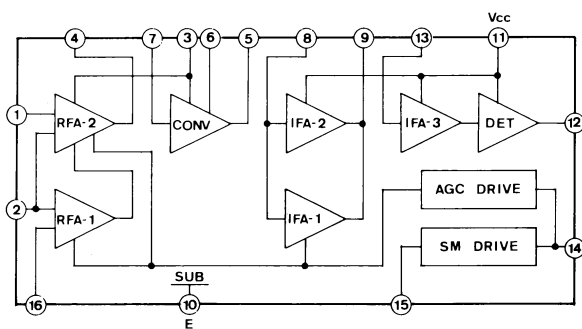
• TA7784P (Pre-Amp. IC)



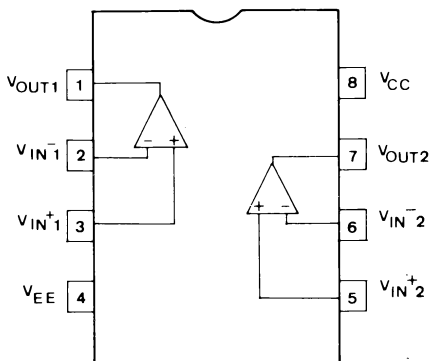
• LA3220 (ALC & 2 Channel Equalizer Amp. IC)



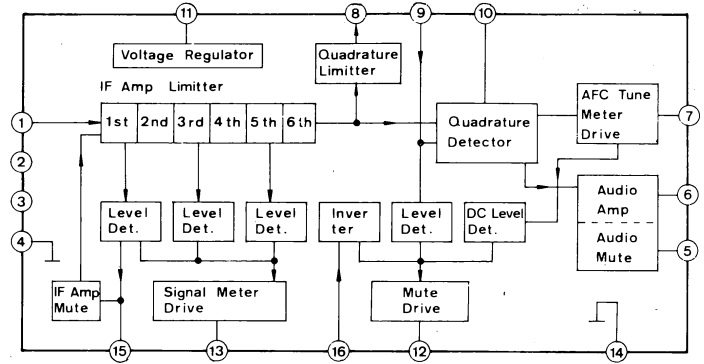
• LA1240 (AM Tuner IC)



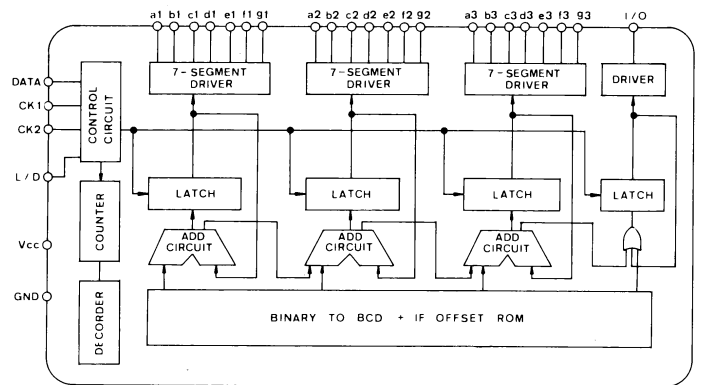
• LA6458DS (Dual Operational Amp. IC)



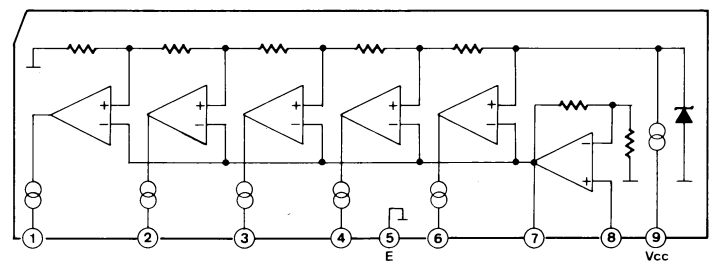
• LA1231N (IF & Quadrature Detector IC)



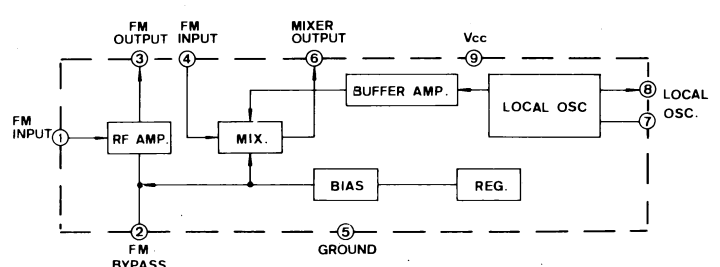
• TD6301AP (Frequency Display IC)



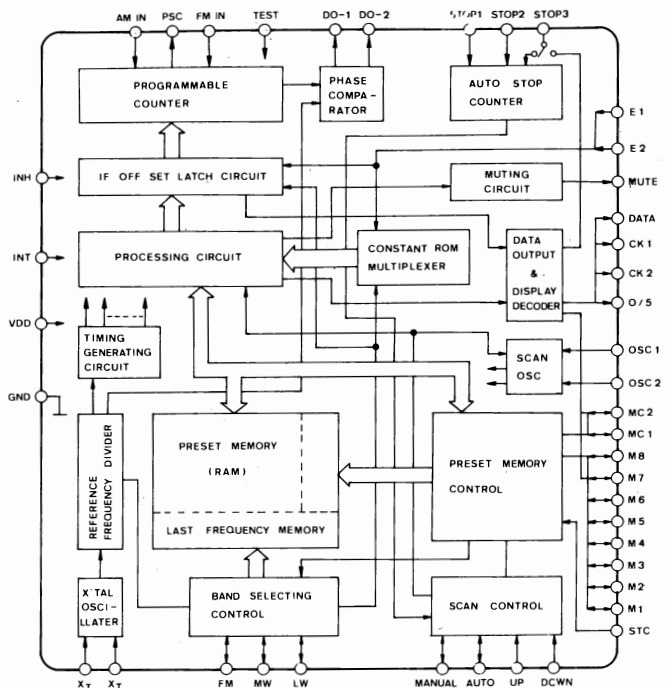
• LB1403 (Level Meter IC)



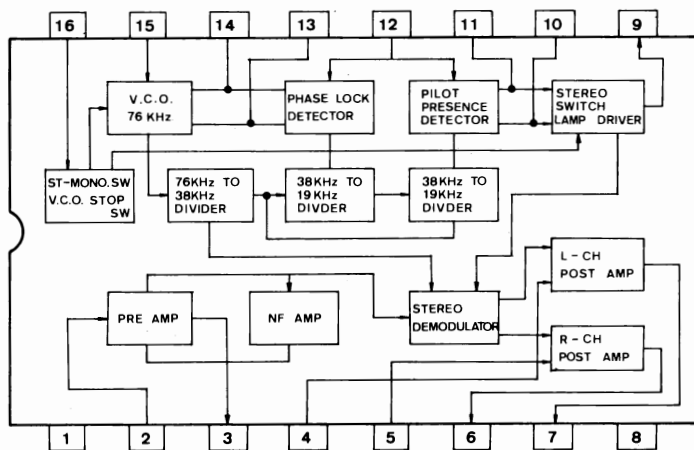
• TA7358P (FM Front-End IC)



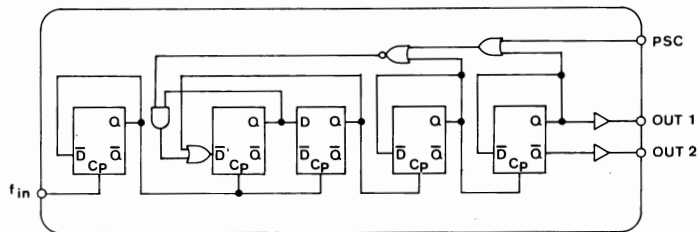
• TC9147AP (PLL IC)



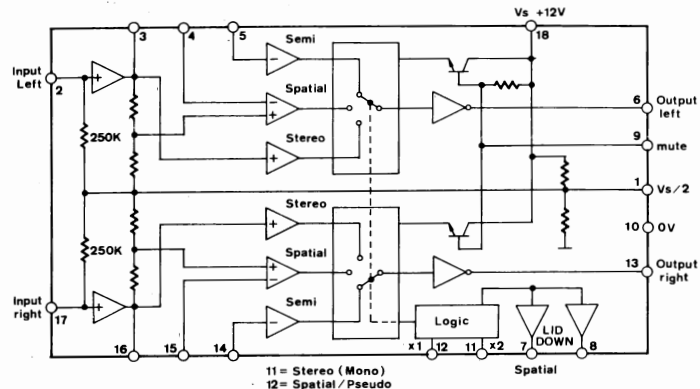
• μ PC1161C (MPX. IC)



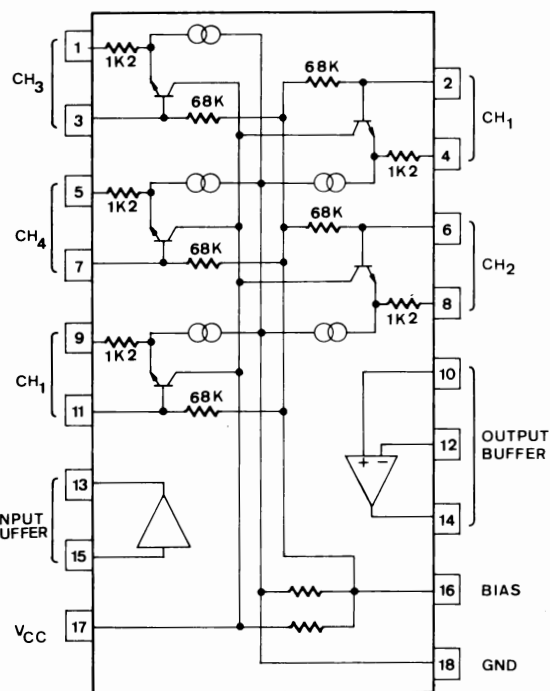
• TD6104P (Prescaler IC)



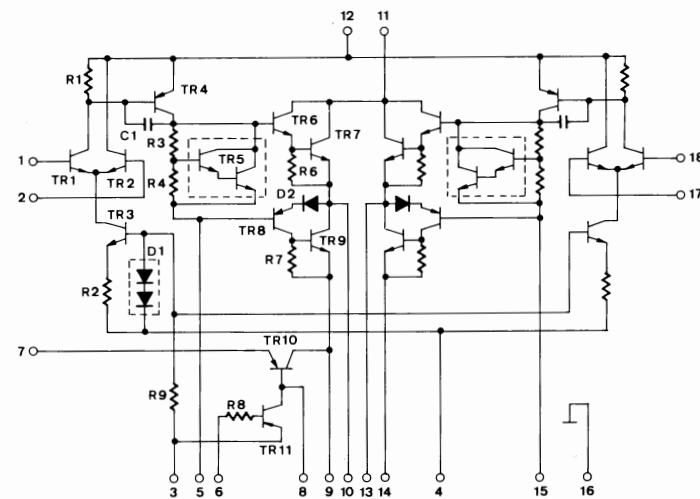
• TDA3810 (Presudo Stereo Processor IC)



• BA3812L (Equalizer IC)



• STK4131II (Power Amp. IC)



3. ADJUSTMENTS

3-1. AM And FM Section Adjustment

Note: Test points and adjustment parts are shown in Fig.3-1.

AM - alignment				
	step	connect to	frequency	points of alignment
IF	1	Connect AM loop antenna to ant. terminal and common oscilloscope to TP 8 D.C voltage meter to TP 6	450 KHz	T 8
	2			T 9
	3		repeat alignment 1 & 2	
MW	4		522 KHz	T 6 TP6 for 0.8V
	5		1611 KHz	TC 5 TP6 for 8.0V
	6		repeat alignment 4 & 5	
	7		603 KHz	T 4
LW	8		1404 KHz	TC 4
	9		repeat alignment 7 & 8	
	10		153 KHz	T 7 TP6 for 0.8V
	11		360 KHz	TC 6 TP6 for 8.0V
	12		repeat alignment 10 & 11	
	13		175 KHz	T 5
	14		350 KHz	TC 3
	15		repeat alignment 13 & 14	

FM - alignment				
	step	connect to	frequency	points of alignment
IF	1	Sweep gen. VIA 10pF to TP 1 and common oscilloscope to TP 5	10.7 MHz	T 1
	2			T2, T3 s - curve
	3		repeat alignment 1 & 2 until s-curve is symmetrical	
RF	4	D.C voltage meter to TP 7	87.5 MHz	TP7 for 1.3V
	5		108 MHz	L 2 TP7 for 6.0V
	6		repeat alignment 4 & 5	
	7	Signal gen. to TP 9.	90 MHz	L 1
	8		106 MHz	TC 1
	9		repeat alignment 7 & 8	

MULTIPLEX ALIGNMENT

1. CONNECT "RF OUT" CABLE OF FM-STEREO-GENERATOR 20uV 1 KHz TO ANT. TERMINALS OF RECEIVER AND TURN RECEIVER TO 98 MHz.

2. ADJUST THE MUTE ON WITH VR 1.

MULTIPLEX ALIGNMENT:

GENERAL ALIGNMENT CONDITIONS:

CONNECT "RF OUT" CABLE OF FM - STEREO GENERATOR TO ANT. TERMINALS OF RECEIVER AND TUNE RECEIVER TO 98 MHz
RF - INPUT VOLTAGE SHOULD BE SET SO THAT THE IF AMPLIFIER IS LIMITING.

ADJUST THE FREQUENCY 19 KHz OF TP 4 WITH VR 2.

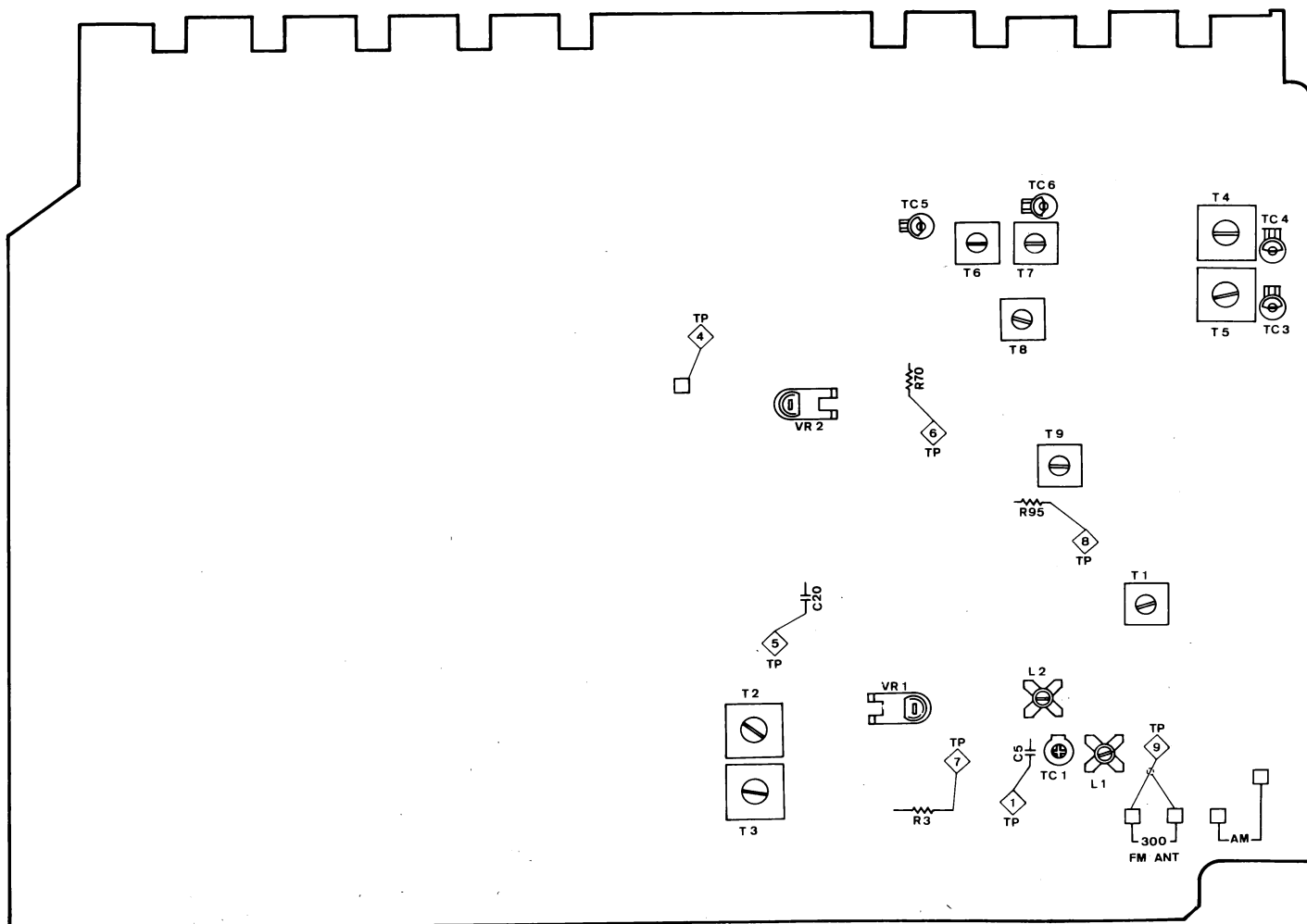


Fig.3-1 GTB1351D12 (FM/LW, 3-bands) or
GTB1340D03 (FM/AM, 2-bands) P.C. Board

3-2. Cassette Electrical Adjustment

Note: Adjustment parts are shown Fig. 3-7.

Step	Adjustment Item	Test Tape Supply Signal	Mode	Adjustment Point	Result	Remarks
1	DECK A High Speed	3 KHz -10dB Test Tape	DECK A : Play H.S.D SW: ON	VR 207	6040 Hz	S202 Turn to left while adjust speed See Fig 3-3 & 3-7
2	DECK A Norm. Speed	3 KHz -10dB Test Tape	DECK A : Play H.S.D SW: OFF	VR 206	3020 Hz	"
3	DECK B High Speed	3 KHz -10dB Test Tape	DECK B : Play H.S.D SW: ON	VR 205	6000 Hz	"
4	DECK B Norm. Speed	3 KHz -10dB Test Tape	DECK B : Play H.S.D.SW: OFF	VR 204	3000 Hz	"
5	Rec Bias Frequency	Blank Tape	REC / PAUSE	L 201	Normal: 85 KHz Beat: 74 KHz	See Figs 3-4 & 3-7
6	Rec Bias Current	Blank Tape	REC / PAUSE	VR2 (Rch) L202(Rch) VR3 (Lch) L203(Lch)	Normal : 4.0mV Beat : 4.0mV	See Figs 3-5 & 3-7
7	DECK A Level(Rch)	1 KHz 0dB Test Tape	PLAY	VR 201	Output Levels of Rch and Lch Are Equal.	See Figs 3-6 & 3-7

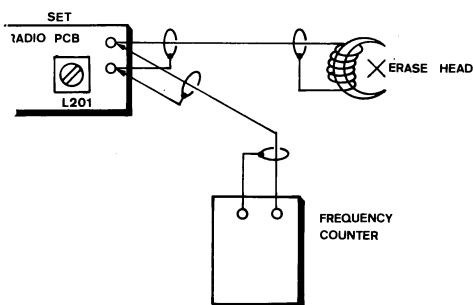


Fig. 3-4 REC Bias Frequency Adjustment

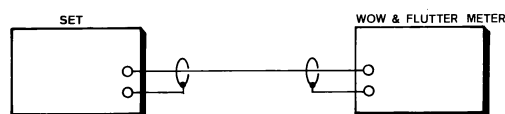


Fig. 3-3 Tape Speed Adjustment

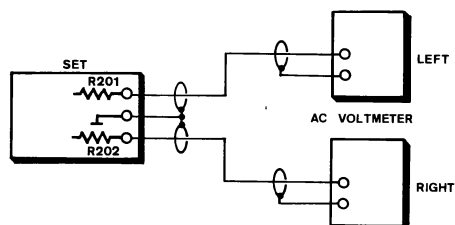


Fig. 3-5 REC Bias Current Adjustment

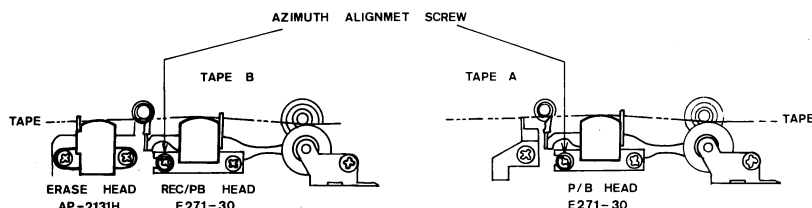


Fig. 3-1 Head Adjustment

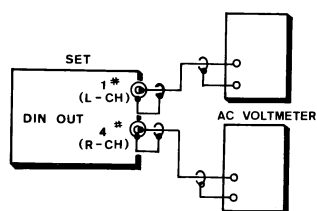


Fig. 3-6 PB Level Adjustment

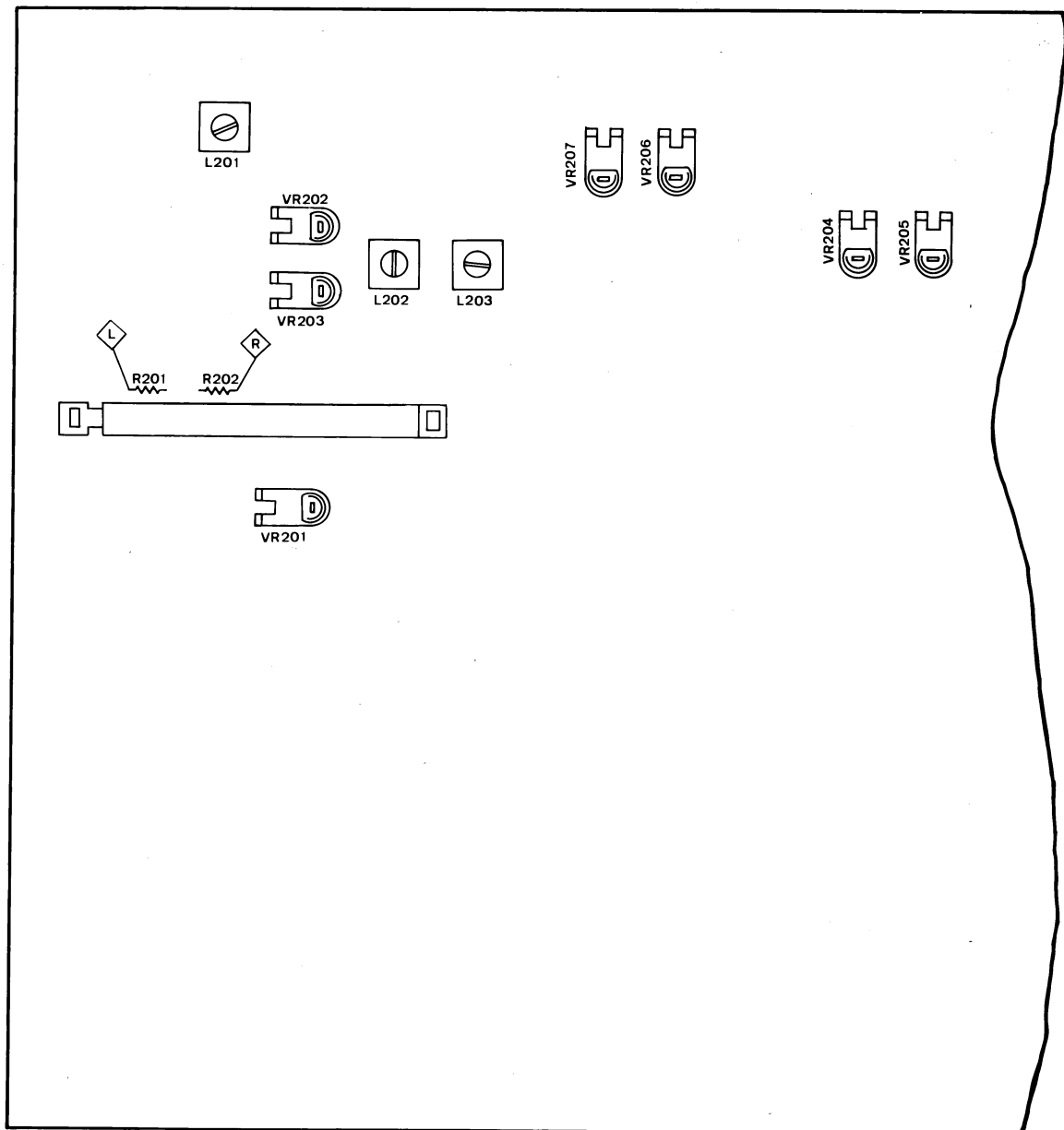
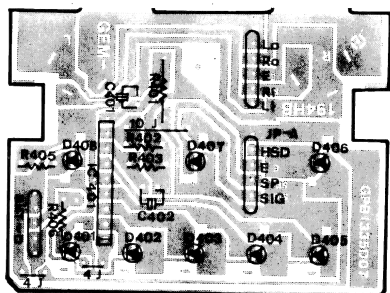


Fig. 3-7 GPB1337D12 Cassette Deck REC/P.B. Amp. & Audio Amp. P.C. Board

4. PARTS LOCATION & PARTS LIST

4-1. GPB1335D07 LED Indicator P.C. Board (Stock No. 58332300)

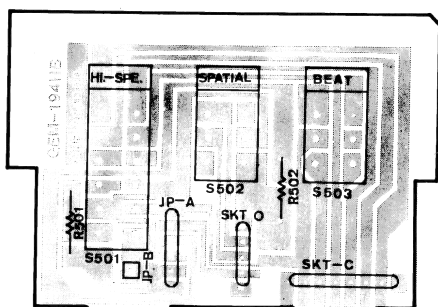


• Component Side

• Parts List

Parts No.	Stock No. (J)	Stock No. (T)	Description
IC			
IC401	58334800	EIC0014036	LB 1403
D401,402,407, 58332500		GLD0152553	L.E.D. Green
D403,406 58332600		GLD0162451	L.E.D. Yellow
D404,405,408, 58332400		GLD0142253	L.E.D. Red
C401,402	48459800	ECE107C601	Elect Cap 10 μ F/16V
R401	00224900	ERJ1030415	Resistor 1K ohm 1/4W
R402,403	46479800	ERJ1040612	Resistor 10K ohm 1/6W
R405	46476500	ERJ3920611	Resistor 390 ohm 1/6W

4-2. GPB1334D00 High-Speed Switch P.C. Board (Stock No. 58332200)

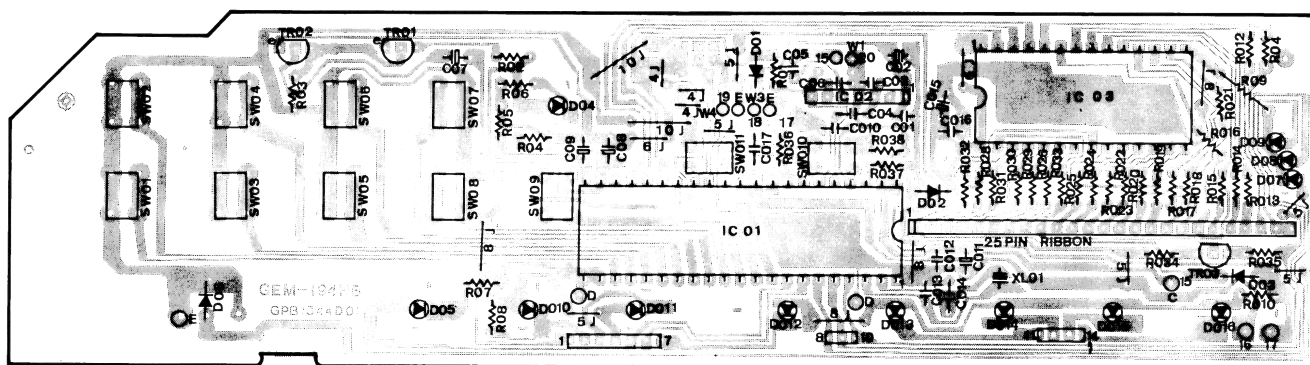


• Component Side

• Parts List

Parts No.	Stock No. (J)	Stock No. (T)	Description
R501,502	00235700	ERJ4720416	470 ohm 1/4W
S501,502,503	58327900	GWP0918D09	Function Switch

4-3. GPB1344D01 Freq. Display P.C. Board (Stock No. 58336700)



• Component Side

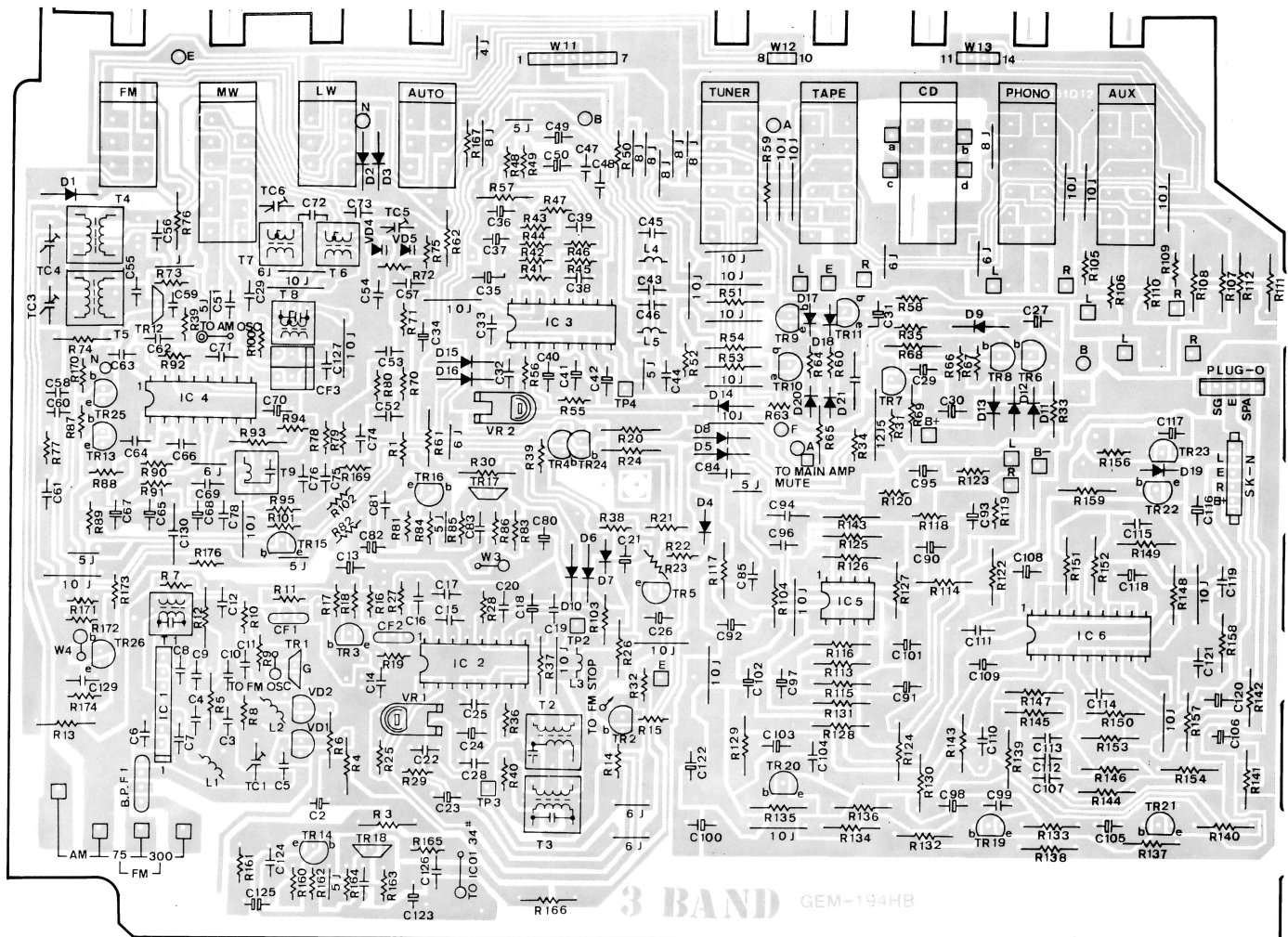
• Parts List

Parts No.	Stock No. (J)	Stock No. (T)	Description
IC			
IC01	58336900	EIC9147AP3	TC 9147AP
IC02	58337000	EIC0061041	TD 6104AP
IC03	46410100	EIC0063012	TD 6301AP
Transistor			
TR01, 02, 03	07194801	ESC1815G56	2SC 1815GR
Diode			
D01,02,03, 06	58335500	EDS4148124	IN 4148
LED			
D04, 010	58332400	GLD0142253	L.E.D. Red
D05	58332500	GLD0152553	L.E.D. Green
D011	58332600	GLD0162451	L.E.D. Yellow

• Parts List < GPB1344D01 >

Parts No.	Stock No. (J)	Stock No. (T)	Description
D012, 013, 014, 015, 016	58337200	GLD0371521	L.E.D. Green 5 $\varnothing$
C08	48463300	ECE105F105	Elect Cap 0.1 μ F/50V
C09	48463900	ECE106F106	Elect Cap 1 μ F/50V
C07	48464000	ECE226F109	Elect Cap 2.2 μ F/50V
C02, 015	48458900	ECE108B306	Elect Cap 100 μ F/10V
C011	48458400	ECE479ATB4	Elect Cap 4700 μ F/6.3V (H.V)
C013	00382500	ECC221PF04	Ceramic Cap 22pF N150 $\pm$ 10%
C014	00382900	ECC271PF09	Ceramic Cap 27pF N150 $\pm$ 10%
C03	00383200	ECC331PF04	Ceramic Cap 33pF N150 $\pm$ 10%
C04, 05, 010, 017	58337400	ECC104LFK8	Ceramic Cap 103 (SR) $\pm$ 20%
C01, 06, 012, 016	00382800	ECC224FF04	Ceramic Cap 223 + 80% - 20%
R09	00233200	ERJ3320417	Resistor 330 ohm 1/4W
R011	46475600	ERJ1620618	Resistor 160 1/6W
R010	46475900	ERJ2220613	Resistor 220 1/6W
R07	46476100	ERJ2720618	Resistor 270 1/6W
R06,012,013, 014,015,016, 017,018,019, 020,021,022, 023,024,025, 026,028,029, 030,031,032, 033,034,	46476300	ERJ3320613	Resistor 330 1/6W
R08	46478200	ERJ2230614	Resistor 2.2K 1/6W
R01	46479000	ERJ4730613	Resistor 4.7K 1/6W
R02,03,035, 036	46479800	ERJ1040612	Resistor 10K 1/6W
R04	46481000	ERJ3340615	Resistor 33K 1/6W
R05	46482000	ERJ8240617	Resistor 82K 1/6W
R038	46482200	ERJ1050613	Resistor 100K 1/6W
R05	46482400	ERJ1250619	Resistor 120K 1/6W
R037	46484400	ERJ8250618	Resistor 820K 1/6W
SW01,02,03, 04,05,06,07, 08,09,010,011	58336800	GWP0912D07	Momentary Switch
XL01	58327700	ECF0723771	7.2MHz Crystal

4-4. GPB1351D12 Tuner P.C. Board. FM/MW/LW, 3 bands (Stock No. 58345400)



• Component Side

• Parts List

Parts No.	Stock No. (J)	Stock No. (T)	Description
IC			
IC1	58333500	EIC0073585	TA 7358P
IC2	03612300	EIC0012319	LA 1231N
IC3	58333600	EIC1161C39	uPC 1161C
IC4	03608000	EIC0012401	LA 1240
IC5	58333700	EIC6458DX8	LA 6458D
IC6	58333800	EIC0038106	TDA 3810
Transistor			
TR19,20,21	46078601	ESC0732G57	2SC 732GR
TR6,8	58335110	ESC1015G52	2SC 1015GR
TR2,4,5,7,11, 13,14,15,16,25	07194801	ESC1815G56	2SC 1815GR
TR3,26	07273601	ESC1923R52	2SC 1923R
TR9,10	58335200	ESC2120Y51	2SC 2120Y
TR17,18	03703400	ESK0163D26	2SK 163
TR1,12	46898202	ESK0212E75	2SK 212E
TR24	58331200	ESCA950Y51	2SA 950Y
T1	58334300	ETF0103092	FM I.F.T.
T2	58347600	ETD0116106	FM I.F.T.
T3	58347700	ETD0126107	FM I.F.T.
T4	58334200	ETE0010102	MW RF Coil
T5	58336400	ETE0025108	LW RF Coil
T6	58333900	ETA0362070	MW OSC Coil
T7	58336500	ETG0011075	LW OSC Coil
T8	58334100	ETM0759073	AM I.F.T.
T9	58334000	ETM0760071	AM I.F.T.
VR1	58333100	ERH104A018	Semi-VR 10K ohm
VR2	58333000	ERH503A015	Semi-VR 5K ohm
L1,2	58334700	ELL0051D00	FM OSC/RF Coil
L3	58335000	ETL022UH17	Chock Coil 22μH
L4,5	58334900	ETL040MH11	Chock Coil 40mH

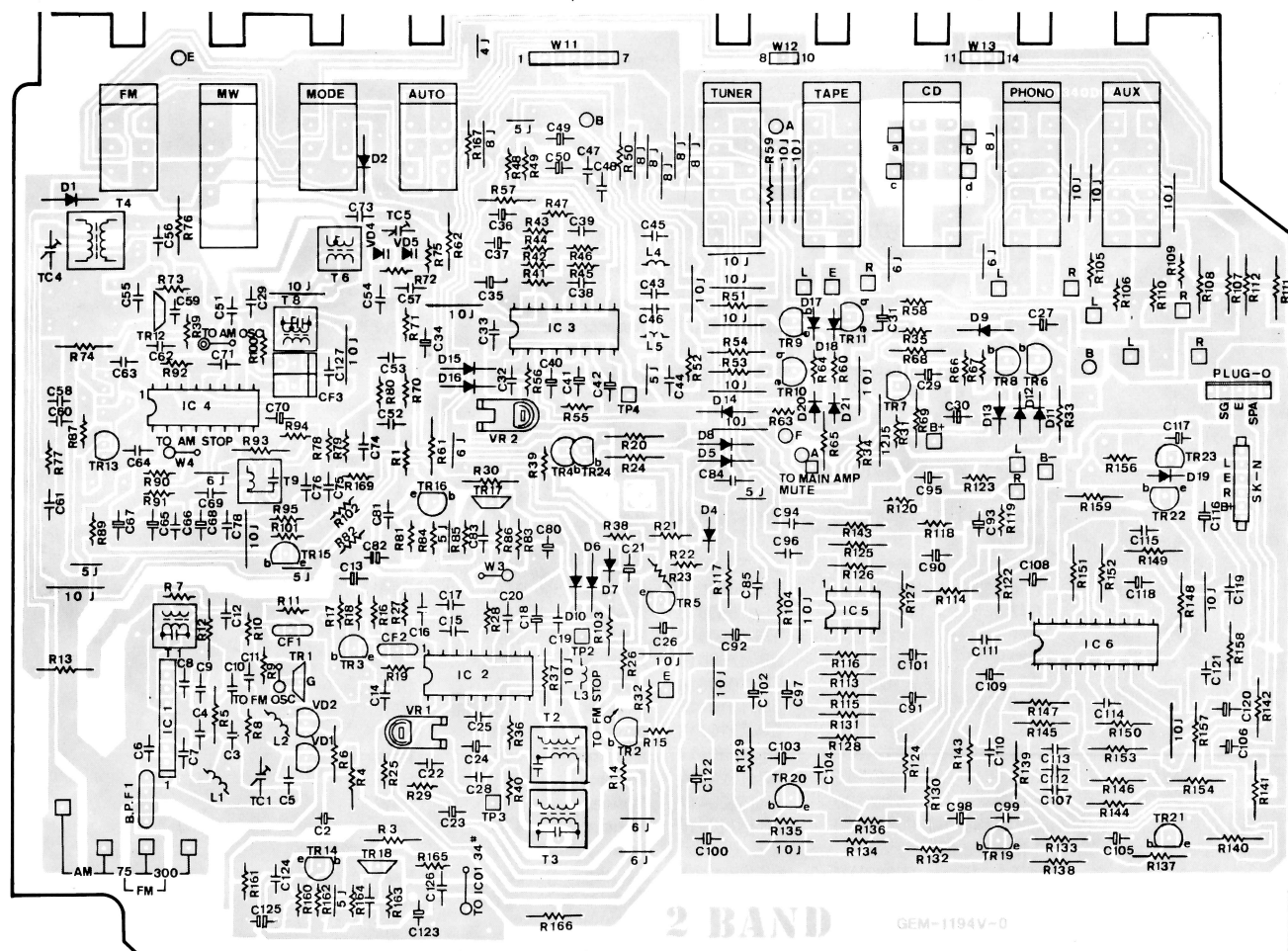
• Parts List < GPB1351D12 >

Parts No.	Stock No. (J)	Stock No. (T)	Description
Diode			
VD1,2	58335400	EDV1310019	KV 1310
VD4,5	58335300	EDV1236010	KV 1236Z
D1,2,3,4,5,6,7, 8,9,10,11,12, 13,14,15,16, 17,18,20,21	58335500	EDS4148124	IN 4148
CF1,2	58333300	ECF1071815	FM 10.7 MHz Ceramic Filter
CF3	58333400	ECF450A216	AM 450A Ceramic Filter (Double)
BPF1	58333200	ECF8810848	FM Band Pass Filter
TC5,6	58332900	ECT0101420	Trimmer 10pF Yellow
TC1,3,4	58332800	ECT0301220	Trimmer 30pF Red
C7	00384100	ECC500IF02	Ceramic AP 5pF ± 10%
C3,56	00381200	ECC101PF01	Ceramic AP 10 N150 ± 10%
C9	58335700	ECC301PF05	Ceramic AP 30 N150 ± 10%
C127	00383700	ECC471IF07	Ceramic AP 47pF ± 10%
C11,20,83,85, 96,126	00381300	ECC102IF06	Ceramic AP 100 ± 10%
C99,104	00382600	ECC222IF09	Ceramic AP 220 ± 10%
C4,5,6,8,63, 76,81,124	00381400	ECC103JF01	Ceramic AP 102 ± 20%
C129	00383900	ECC473JF03	Ceramic AP 472 ± 20%
C66,69,130	00381500	ECC104FF07	Ceramic AP 103 + 80% - 20%
C14,16,19,22, 29,51,62,71	58335800	ECC224FF00	Ceramic AP 223 + 80% - 20%
C32	00383700	ECC472IF08	Ceramic AP 470 ± 10%
C59	00383200	ECC332IF09	Ceramic Ap 330 10%
C72	00358100	ECS152JF15	Poly Cap 150pF ± 5% 50V
C73	00360600	ECS472JF12	Poly Cap 470 ± 5% 50V
C45,46,74	00403800	ECP103KF13	Mylar Cap 102 ± 10%
C38,39	00404000	ECP123KF19	Mylar Cap 122 ± 10%
C114,115	00405200	ECP393KF14	Mylar Cap 392 ± 10%
C47,48	00405400	ECP473KF15	Mylar Cap 472 ± 10%
C43,44	00405800	ECP683KF12	Mylar Cap 682 ± 10%
C33	00407800	ECP474KF16	Mylar Cap 473 ± 10%
C112,113	00406600	ECP154KF19	Mylar Cap 153 ± 10% 50V
C121	00407000	ECP224KF17	Mylar Cap 223 ± 10% 50V
C107	00407400	ECP334KF17	Mylar Cap 333 ± 10% 50V
C84,94,110, 111	00408600	ECP105KF15	Mylar Cap 104 ± 10% 50V
C119	00406200	ECP104KF14	Mylar Cap 103 ± 10% 50V
C125,82	00300900	ECE106N604	Elect Cap 1μF NP
C42	58335900	ECE225L602	Elect Cap 0.22μF/16V (CLC)
C93,95	58336000	ECE475L601	Elect Cap 0.47μF/16V (CLC)
C41	48463900	ECE106F601	Elect Cap 1μF/16V (CLC)
C26,27,34,40, 67	58336100	ECE336L603	Elect Cap 3.3μF/16V (CLC)
C2,18,21,23, 36,37,49,50, 98,103	58336600	ECE226L603	Elect Cap 2.2μF/16V (CLC)
C65,97,102, 116,120	58336200	ECE476L602	Elect Cap 4.7μF/16V (CLC)
C29,30,70,80, 90,92	48459800	ECE107C601	Elect Cap 10μF/16V
C123	48460100	ECE477C809	Elect Cap 47μF/16V
C13,24,31,68, 91,108,118, 101	48460200	ECE108C808	Elect Cap 100μF/16V
C35,100,109	48460300	ECE228C801	Elect Cap 220μF/16V
C122	48460500	ECE478CCB7	Elect Cap 470μF/16V
R84,162	46476100	ERJ2720618	Resistor 270 ohm 1/6W
R94,100	46474300	ERJ4710611	Resistor 47 1/6W
R7,11	46475100	ERJ1020610	Resistor 100 1/6W
R77,85,164,39	46475900	ERJ2220613	Resistor 220 1/6W
R27	46476300	ERJ3320613	Resistor 330 1/6W
R18	46476500	ERJ3920611	Resistor 390 1/6W
R16	46476900	ERJ5620616	Resistor 560 1/6W
R19	46477200	ERJ8220615	Resistor 820 1/6W
R17,50,55,92, 95	46477400	ERJ1030611	Resistor 1K 1/6W
R10	46477800	ERJ1530616	Resistor 1.5K 1/6W

• Parts List < GPB1351D12 >

Parts No.	Stock No. (J)	Stock No. (T)	Description		
R40,48,49,83, 118,120,163	46478200	ERJ2230614	Resistor	2.2K	1/6W
R60,64,169, 102	46478600	ERJ3330614	Resistor	3.3K	1/6W
R8,66,70,71, 165,174	46479000	ERJ4730613	Resistor	4.7K	1/6W
R101	46479200	ERJ5630617	Resistor	5.6K	1/6W
R29,81,160, 161	46479600	ERJ8230616	Resistor	8.2K	1/6W
R14,25,28,32, 58,63,70,91, 170,173	46479800	ERJ1040612	Resistor	10K	1/6W
R88	46480000	ERJ1240618	Resistor	12K	1/6W
R105,109,82, 171,56	46480200	ERJ1540617	Resistor	15K	1/6W
R21,22,23,15, 36,41,42,52, 35,87,89,172	46480600	ERJ2240615	Resistor	22K	1/6W
R80	46480800	ERJ2740610	Resistor	27K	1/6W
R43,44,75, 106,110	46481000	ERJ3340615	Resistor	33K	1/6W
R31,34,39,45, 46,176	46481400	ERJ4740614	Resistor	47K	1/6W
R67	46481600	ERJ5640618	Resistor	56K	1/6W
R38,78,79	46482200	ERJ1050613	Resistor	100K	1/6W
R47	46482600	ERJ1550618	Resistor	150K	1/6W
R72	46482800	ERJ1850616	Resistor	180K	1/6W
R73	46483800	ERJ4750615	Resistor	470K	1/6W
R9	46484600	ERJ1060614	Resistor	1M	1/6W
R20	00224700	ERJ1010413	Resistor	10 ohm	1/4W
R5	00230300	ERJ2210416	Resistor	22	1/4W
R93,133,136	00224800	ERJ1020414	Resistor	100	1/4W
R74	00227600	ERJ1520419	Resistor	150	1/4W
R142	00233200	ERJ3320417	Resistor	330	1/4W
R103,134,166, 140	00235700	ERJ4720416	Resistor	470	1/4W
R12	00238200	ERJ6820413	Resistor	680	1/4W
R3,68,115, 127,138,167	00224900	ERJ1030415	Resistor	1K	1/4W
R53,54	00227700	ERJ1530410	Resistor	1.5K	1/4W
R53,54,65	00230500	ERJ2230418	Resistor	2.2K	1/4W
R116,126	00231900	ERJ2730413	Resistor	2.7K	1/4W
R24	00233300	ERJ3330418	Resistor	3.3K	1/4W
R113,125	00234600	ERJ3930416	Resistor	3.9K	1/4W
108,111	00235800	ERJ4730417	Resistor	4.7K	1/4W
R139	00237100	ERJ5630411	Resistor	5.6K	1/4W
R141	00239500	ERJ8230410	Resistor	8.2K	1/4W
R26,30,61,62, 59,69,145, 148,149,150	00225000	ERJ1040416	Resistor	10K	1/4W
R147,151,154	00227800	ERJ1540411	Resistor	15K	1/4W
R158	00229200	ERJ1840410	Resistor	18K	1/4W
R33,37,51,144, 146,152,157	00230600	ERJ2240419	Resistor	22K	1/4W
R122,124	00232000	ERJ2740414	Resistor	27K	1/4W
R107,112	00235900	ERJ4740418	Resistor	47K	1/4W
R4,6,014,128, 131,143,153	00225100	ERJ1050417	Resistor	100K	1/4W
R129,130	00227900	ERJ1550412	Resistor	150K	1/4W
R137	00236000	ERJ4750419	Resistor	470K	1/4W
R132,135	00237300	ERJ5650413	Resistor	560K	1/4W
△ R57,75, △ 76, △ 13, △ 114, △ 117	00119800	ERJ102F221	Resistor	100 ohm	1/2W
	58347000	MEJ1288M02	3 Pin Plug		Plug "0"

4-5. GPB1340D03 Tuner P.C. Board. FM/AM, 2 bands (Stock No. 58332100)



• Component Side

• Parts List

Parts No.	Stock No. (J)	Stock No. (T)	Description
IC			
IC1	58333500	EIC0073585	TA 7358P
IC2	03612300	EIC0012319	LA 1231N
IC3	58333600	EIC1161C39	uPC 1161C
IC4	03608000	EIC0012401	LA 1240
IC5	58333700	EIC6458DX8	LA 6458D
IC6	58333800	EIC0038106	TDA 3810
Transistor			
TR19,20,21	46078601	ESC0732G57	2SC 732GR
TR6,8	58335110	ESC1015G52	2SC 1015GR
TR2,4,5,7,11, 13,14,15,16	07194801	ESC1815G56	2SC 1815GR
TR3	07273601	ESC1923R52	2SC 1923R
TR9,10	58335200	ESC2120Y51	2SC 2120Y
TR17,18	03703400	ESK0163D26	2SK 163
TR1,12	46898202	ESK0212E75	2SK 212E
TR24	58331200	ESCA950Y51	2SA 950Y
T1	58334300	ETF0103092	FM I.F.T.
T2	58347600	ETD0116106	FM I.F.T.
T3	58347700	ETD0126107	FM I.F.T.
T4	58334200	ETE0010102	MW RF Coil
T6	58333900	ETA0362070	MW OSC Coil
T8	58334100	ETM0759073	AM I.F.T.
T9	58334000	ETM0760071	AM I.F.T.
VR1	58333100	ERH104A018	Semi-VR 10K ohm
VR2	58333000	ERH503A015	Semi-VR 5K ohm
L1,2	58334700	ELL0051D00	FM OSC/RF Coil
L3	58335000	ETL022UH17	Chock Coil 22μH
L4,5	58334900	ETL040MH11	Chock Coil 40mH
R40,48,49,83, 118,120,163	46478200	ERJ2230614	Resistor 2.2K 1/6W

• Parts List < GPB1340D03 >

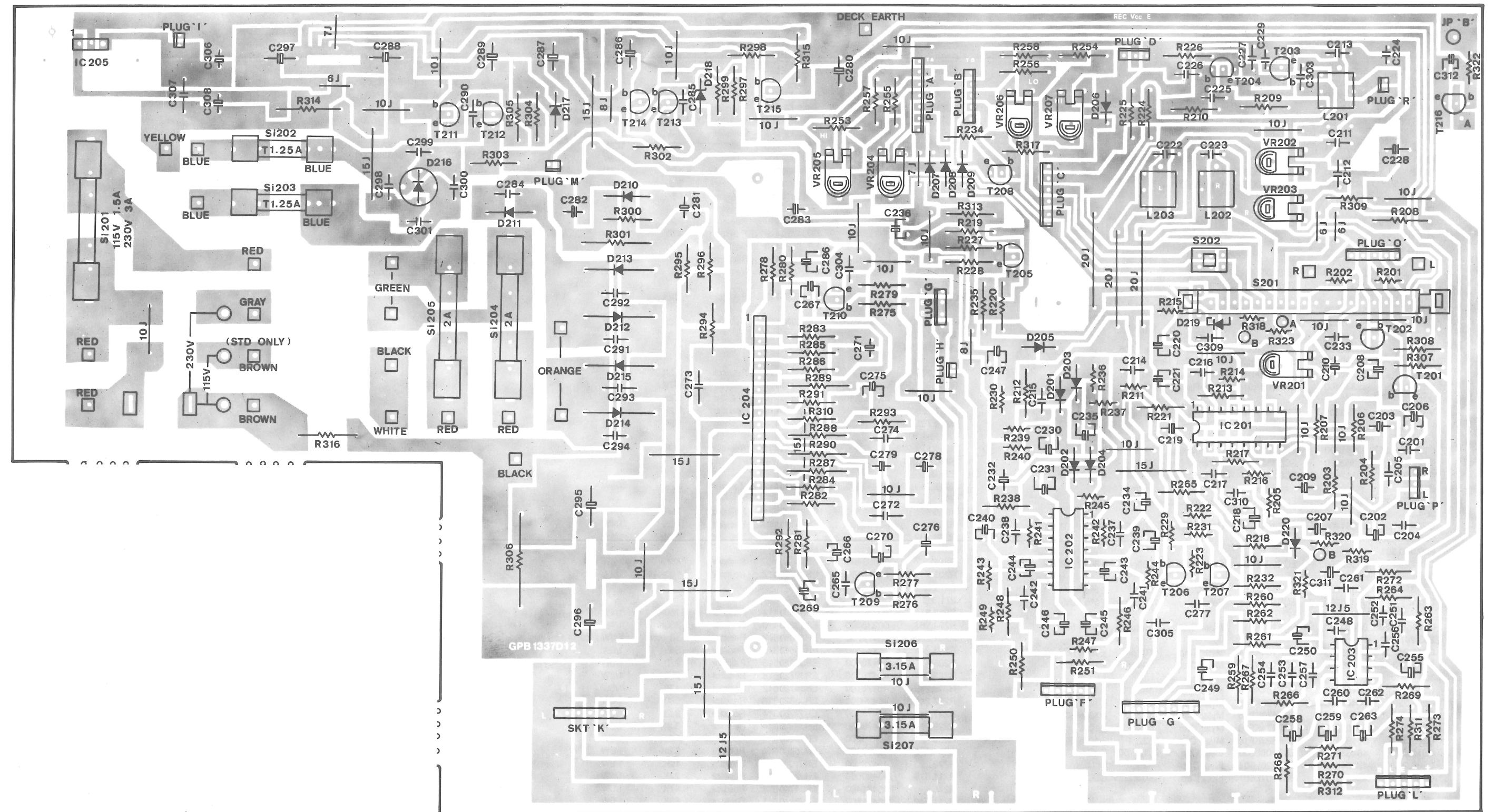
Parts No.	Stock No. (J)	Stock No. (T)	Description		
Diode					
VD1,2	58335400	EDV1310019	KV 1310		
VD4,5	58335300	EDV1236010	KV 1236Z		
D1,2,4,5,6,7, 8,9,10,11,12, 13,14,15,16, 17,18,20,21	58335500	EDS4148124	IN 4148		
CF1,2	58333300	ECF1071815	FM 10.7 MHz Ceramic Filter		
CF3	58333400	ECF450A216	AM 450A Ceramic Filter (Double)		
BPF1	58333200	ECF8810848	FM Band Pass Filter		
TC5	58332900	ECT0101420	Trimmer 10pF Yellow		
TC1,4	58332800	ECT0301220	Trimmer 30pF Red		
C7	00384100	ECC500IF02	Ceramic AP	5pF	±10%
C3,56	00381200	ECC101PF01	Ceramic AP	10 N150	±10%
C9	58335700	ECC301PF05	Ceramic AP	30 N150	±10%
C127	00383700	ECC471IF07	Ceramic AP	47pF	±10%
C11,20,83,85, 96,126	00381300	ECC102IF06	Ceramic AP	100	±10%
C99,104	00382600	ECC222IF09	Ceramic AP	220	±10%
C4,5,6,8,63, 76,81,124	00381400	ECC103JF01	Ceramic AP	102	±20%
C66,69	00381500	ECC104FF07	Ceramic AP	103	±80% 20%
C14,16,19,22, 29,51,62,71	58335800	ECC224FF00	Ceramic AP	223	±80% 20%
C32	00383700	ECC472IF08	Ceramic AP	470	±10%
C59	00383200	ECC332IF09	Ceramic Ap	330	10%
C73	00360600	ECS472JF12	Poly Cap	470	±5% 50V
C45,46,74	00403800	ECP153KF19	Mylar Cap	102	±10%
C38,39	00404000	ECP123KF19	Mylar Cap	122	±10%
C114,115	00405200	ECP393KF14	Mylar Cap	392	±10%
C47,48	00405400	ECP473KF15	Mylar Cap	472	±10%
C43,44	00405800	ECP683KF12	Mylar Cap	682	±10%
C33	00407800	ECP474KF16	Mylar Cap	473	±10%
C112,113	00406600	ECP154KF19	Mylar Cap	153	±10% 50V
C121	00407000	ECP224KF17	Mylar Cap	223	±10% 50V
C107	00407400	ECP334KF17	Mylar Cap	333	±10% 50V
C84,94,110, 111	00408600	ECP105KF15	Mylar Cap	104	±10% 50V
C119	00406200	ECP104KF14	Mylar Cap	103	±10% 50V
C125,82	00300900	ECE106N604	Elect Cap	1μF NP	
C42	58335900	ECE225L602	Elect Cap	0.22μF/16V	(CLC)
C93,95	58336000	ECE475L601	Elect Cap	0.47μF/16V	(CLC)
C41	48463900	ECE106F601	Elect Cap	1μF/16V	(CLC)
C26,27,34,40, 67	58336100	ECE336L603	Elect Cap	3.3μF/16V	(CLC)
C2,18,21,23, 36,37,49,50, 98,103	58336600	ECE226L603	Elect Cap	2.2μF/16V	(CLC)
C65,97,102, 116,120	58336200	ECE467L602	Elect Cap	4.7μF/16V	(CLC)
C29,30,70,80, 90,92	48459800	ECE107C601	Elect Cap	10μF/16V	
C123	48460100	ECE477C809	Elect Cap	47μF/16V	
C13,24,31,68, 91,108,118, 101	48460200	ECE108C808	Elect Cap	100μF/16V	
C35,100,109	48460300	ECE228C801	Elect Cap	220μF/16V	
C122	48460500	ECE478CCB7	Elect Cap	470μF/16V	
R84,162	46476100	ERJ2720618	Resistor	270 ohm	1/6W
R94,100	46474300	ERJ4710611	Resistor	47	1/6W
R7,11	46475100	ERJ1020610	Resistor	100	1/6W
R77,85,164,39	46475900	ERJ2220613	Resistor	220	1/6W
R27	46476300	ERJ3320613	Resistor	330	1/6W
R18	46476500	ERJ3920611	Resistor	390	1/6W
R16	46476900	ERJ5620616	Resistor	560	1/6W
R19	46477200	ERJ8220615	Resistor	820	1/6W
R17,50,55,92, 95	46477400	ERJ1030611	Resistor	1K	1/6W
R10	46477800	ERJ1530616	Resistor	1.5K	1/6W

• Parts List < GPB1340D03 >

Parts No.	Stock No. (J)	Stock No. (T)	Description		
R60,64,169,102	46478600	ERJ3330614	Resistor	3.3K	1/6W
R8,66,70,71,165	46479000	ERJ4730613	Resistor	4.7K	1/6W
R101	46479200	ERJ5630617	Resistor	5.6K	1/6W
R29,81,160,161	46479600	ERJ8230616	Resistor	8.2K	1/6W
R14,25,28,32,58,63,70,91,173	46479800	ERJ1040612	Resistor	10K	1/6W
R88	46480000	ERJ1240618	Resistor	12K	1/6W
R105,109,82,56	46480200	ERJ1540617	Resistor	15K	1/6W
R21,22,23,15,36,41,42,52,35,87,89	46480600	ERJ2240615	Resistor	22K	1/6W
R80	46480800	ERJ2740610	Resistor	27K	1/6W
R43,44,75,106,110	46481000	ERJ3340615	Resistor	33K	1/6W
R31,34,39,45,46	46481400	ERJ4740614	Resistor	47K	1/6W
R67	46481600	ERJ5640618	Resistor	56K	1/6W
R38,78,79	46482200	ERJ1050613	Resistor	100K	1/6W
R47	46482600	ERJ1550618	Resistor	150K	1/6W
R72	46482800	ERJ1850616	Resistor	180K	1/6W
R73	46483800	ERJ4750615	Resistor	470K	1/6W
R9	46484600	ERJ1060614	Resistor	1M	1/6W
R20	00224700	ERJ1010413	Resistor	10 ohm	1/4W
R5	00230300	ERJ2210416	Resistor	22	1/4W
R93,133,136	00224800	ERJ1020414	Resistor	100	1/4W
R74	00227600	ERJ1520419	Resistor	150	1/4W
R142	00233200	ERJ3320417	Resistor	330	1/4W
R103,134,166,140	00235700	ERJ4720416	Resistor	470	1/4W
R12	00238200	ERJ6820413	Resistor	680	1/4W
R3,68,115,127,138,167	00224900	ERJ1030415	Resistor	1K	1/4W
R53,54	00227700	ERJ1530410	Resistor	1.5K	1/4W
R53,54,65	00230500	ERJ2230418	Resistor	2.2K	1/4W
R116,126	00231900	ERJ2730413	Resistor	2.7K	1/4W
R24	00233300	ERJ3330418	Resistor	3.3K	1/4W
R113,125	00234600	ERJ3930416	Resistor	3.9K	1/4W
108,111	00235800	ERJ4730417	Resistor	4.7K	1/4W
R139	00237100	ERJ5630411	Resistor	5.6K	1/4W
R141	00239500	ERJ8230410	Resistor	8.2K	1/4W
R26,30,61,62,59,69,145,148,149,150	00225000	ERJ1040416	Resistor	10K	1/4W
R147,151,154	00227800	ERJ1540411	Resistor	15K	1/4W
R158	00229200	ERJ1840410	Resistor	18K	1/4W
R33,37,51,144,146,152,157	00230600	ERJ2240419	Resistor	22K	1/4W
R122,124	00232000	ERJ2740414	Resistor	27K	1/4W
R107,112	00235900	ERJ4740418	Resistor	47K	1/4W
R4,6,014,128,131,143,153	00225100	ERJ1050417	Resistor	100K	1/4W
R129,130	00227900	ERJ1550412	Resistor	150K	1/4W
R137	00236000	ERJ4750419	Resistor	470K	1/4W
R132,135	00237300	ERJ5650413	Resistor	560K	1/4W
△ R57,75, △ 76, △ 13, △ 114, △ 117	00119800	ERJ102F221	Resistor	100 ohm	1/2W
58347000	MEJ1288M02	3 Pin Plug	Plug "0"		

4-6. • GPB1337D12 Cassette Deck REC/P.B. Amp. & Audio Amp. (Stock No. 58345900)

- **Component Side**



• Parts List < GPB1337D12 >

Parts No.	Stock No. (J)	Stock No. (T)	Description
IC			
IC201	58329900	EIC0077848	TA 7784P
IC202	46899000	EIC0032207	LA 3220
IC203	58330000	EIC0064581	6458DS
△ IC204	58325900	EIC0041315	STK 4131 – II
IC205	58325800	EIC078M067	78M06
Transistor			
T201,202	58330900	ESCC536F79	2SC 536F
T203	07194800	ESC1815G56	2SC 1815GR
T204,205,214, 216	58330800	ESC2120Y51	2SC 2120Y
T206,207,209	58331500	ESC1012F69	2SC 1012F
T208	03053601	ESC0734F69	2SC 734F
T211	58331200	ESCA950Y51	2SA 950Y
T212	58331100	ESC5610C62	Hit 5610C
T213,215	58331000	ESC5609C64	Hit 5609C
Diode			
D201,202,203, 204,205,206, 207,208,209, 210,219,220	58331300	EDS4148124	IN 4148
D211	58330700	EDS4002424	IN 4002
D212,213,214, 215	58330600	EDS5402423	IN 5402
△ D216	58041000	ERBW005D02	W 005
D217,218	58331400	EDZ1200008	12V
L201	58330200	ETC0012067	Rec Osc Coil Toe 1206
L202,203	58330100	ETL018MH09	Chock Coil 18mH Lch 1206
VR201	58330300	ERH502A014	Semi-Fix 500 ohm 8mm
VR204,205, 206,207	58330400	ERH203A014	Semi-Fix 2K ohm 8mm
VR202,203	58330500	ERH105A019	Semi-Fix 100K ohm 8mm
C237,238	00384200	ECC5611F01	Ceramic Cap 56pF ± 10%
C229,256,257	00381300	ECC1021F06	Ceramic Cap 100pF ± 10%
C222,223	00382000	ECC1521F01	Ceramic Cap 150pF ± 10%
C211,212,260, 262	00382600	ECC2221F09	Ceramic Cap 220pF ± 10%
C265,276,277, 304	00383800	ECC472NF00	Ceramic Cap 470pF ± 10%
C284,291,292, 293,294,298, 299,300,301	00381400	ECC104FF07	Ceramic Cap 103pF +80% –20%
C261,248	00382700	ECC224FF00	Ceramic Cap 223pF +80% –20%
C213	00361500	ECS682JF19	Poly Cap 680pF ±5% 50V
C224	00358200	ECS153JF16	Poly Cap 1500pF ±5% 50V
C201,204,205, 233,241,242	00403800	ECP103KF13	Mylar Cap 102 pF ± 10% 50V
C216,217,225	00406200	ECP104KF14	Mylar Cap 103pF ± 10% 50V
C272,273,274, 304	00408600	ECP105KF15	Mylar Cap 104pF ± 10% 50V
C253,254	00406800	ECP184KF18	Mylar Cap 183pF ± 10% 50V
C285,290	00404600	ECP223KF16	Mylar Cap 222pF ± 10% 50V
C226,251,253	00405400	ECP473KF15	Mylar Cap 472pF ± 10% 50V
C227,303	00407800	ECP474KF16	Mylar Cap 473pF ± 10% 50V
C309,310	00408400	ECP823KF18	Mylar Cap 822pF ± 10% 50V
C312	48463900	ECE106L600	Elect Cap 1μF/50V CLC
C266,267	48464000	ECE226L603	Elect Cap 2.2μF CLC
C202,203,206, 210,218,219, 220,232,234, 243,244,249, 250,311	48461100	ECE107L601	Elect Cap 10μF/25V CLC
C245,306,308	48464400	ECE227L707	Elect Cap 22μF/50V CLC
C275,276,279	48464300	ECE107F602	Elect Cap 10μF/50V
C207,208	48460000	ECE337C707	Elect Cap 33μF/16V
C236,247,255, 268,269	48460100	ECE477C809	Elect Cap 47μF/16V
C239,240,258, 270,271	48461400	ECE477D806	Elect Cap 47μF/25V

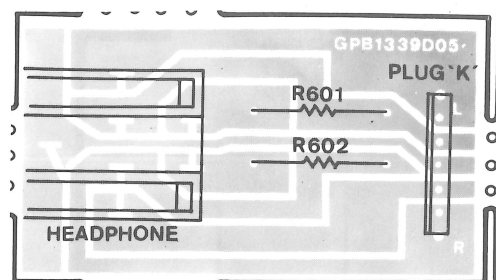
• Parts List < GPB1337D12 >

Parts No.	Stock No. (J)	Stock No. (T)	Description
C281,282	48464600	ECE477FAB1	Elect Cap 47μF/50V
C278	48461500	ECE108DAB6	Elect Cap 100μF/25V
C221,231,246	48460300	ECE228C8B3	Elect Cap 220μF/16V
C209	48460400	ECE338CCB8	Elect Cap 330μF/16V
C280,283,286, 287,289	48460500	ECE478CCB7	Elect Cap 470μF/16V
C228	48459200	ECE478BAB4	Elect Cap 470μF/10V
C288,297	48461900	ECE109DAB9	Elect Cap 1000μF/25V
C295,296	58348100	ECE339ELB3	Elect Cap 3300μF/35V
R306	46516100	ERM2732018	Resistor 2.7K ohm 2W
R301	46243800	ERM1531018	Resistor 1.5K 1W
△ R314, △ R315	00122400	ERJ470F2F5	Resistor 4.7 1/2W (Fuse)
△ R302, △ R303	00233700	ERJ330F4F2	Resistor 3.3 1/4W (Fuse)
R287,288	00119700	ERJ101F208	Resistor 10 1/2W
R289, △ R290	00119800	ERJ102F209	Resistor 100 1/2W
R208	00120800	ERJ1820212	Resistor 180 1/2W
R226	00233700	ERJ3300415	Resistor 3.3 1/4W
R209	00238100	ERJ6810412	Resistor 68 1/4W
R299,304,313	00227600	ERJ1520419	Resistor 150 1/4W
R280,281	00234500	ERJ3920415	Resistor 390 1/4W
R238,268,273	00235700	ERJ4720416	Resistor 470 1/4W
R297,305	00237000	ERJ5620410	Resistor 560 1/4W
R298,221	00239400	ERJ8220419	Resistor 820 1/4W
R277,279,291, 310	00224900	ERJ1030415	Resistor 1K 1/4W
R246,248,265, 272	00226300	ERJ1230411	Resistor 1.2K 1/4W
R225,226,253, 254,274,284, 285,286,293, 312	00230500	ERJ2230418	Resistor 2.2K 1/4W
R275,276	00233300	ERJ3330418	Resistor 3.3K 1/4W
R234,307,308	00235800	ERJ4730417	Resistor 4.7K 1/4W
R255,256	00238300	ERJ6830414	Resistor 6.8K 1/4W
R257,258	00239500	ERJ8230410	Resistor 8.2K 1/4W
R218,232,260, 262,294,309	00225000	ERJ1040416	Resistor 10K 1/4W
R210,227,228, 235,250,251, 263,266	00227800	ERJ1540411	Resistor 15K 1/4W
R212,219,259, 261	00230600	ERJ2240419	Resistor 22K 1/4W
R300	00234700	ERJ3940417	Resistor 39K 1/4W
R220	00235900	ERJ4740418	Resistor 47K 1/4W
R278,282,283, 292	00237200	ERJ5640412	Resistor 56K 1/4W
R224	00238400	ERJ6840415	Resistor 68K 1/4W
R203,204,206, 207,269,270, 271,311	00225100	ERJ1050417	Resistor 100K 1/4W
R213,217,295	00229300	ERJ1850411	Resistor 180K 1/4W
R264,267	00233500	ERJ3350410	Resistor 330K 1/4W
R201,202	46472700	ERJ1010619	Resistor 10 ohm 1/6W
R243,244	46474500	ERJ5610615	Resistor 56 1/6W
R205	46475900	ERJ2220613	Resistor 220 1/6W
R323	46476100	ERJ2720618	Resistor 270 1/6W
R236,239	46476700	ERJ4720612	Resistor 470 1/6W
R237,240	46499600	ERJ6820619	Resistor 680 1/6W
R247,249,321	46478200	ERJ2230614	Resistor 2.2K 1/6W
R229,231,322	46478600	ERJ3330614	Resistor 3.3K 1/6W
R230	46479200	ERJ5630617	Resistor 5.6K ohm 1/6W
R214,216	46479400	ERJ6830610	Resistor 6.8K 1/6W
R222,223	46479800	ERJ1040612	Resistor 10K 1/6W
R211,319	46480600	ERJ2240615	Resistor 22K 1/6W
R215	46481400	ERJ4740614	Resistor 47K 1/6W
R241,242	46481800	ERJ6840611	Resistor 68K 1/6W
R318,320	46482200	ERJ1050613	Resistor 100K 1/6W
R245	46484400	ERJ8250618	Resistor 820K 1/6W
		MEC1070D01	Bare Wire 6 mm
		MEC1109D00	Bare Wire 7 mm
		MEC1071D08	Bare Wire 8 mm
		MEC0822D07	Bare Wire 10 mm
		MEC1082D06	Bare Wire 12.5 mm
		MEC0844D03	Bare Wire 15 mm
		MEC0833D05	Bare Wire 20 mm

• Parts List < GPB1337D12 >

Parts No.	Stock No. (J)	Stock No. (T)	Description
S201	58329800	GWC0924D08	Record/Play Switch
S202	58328500	GWS0926D01	Slide Switch
PLUG "I", "M", "H", "R"	58346900	MEJ1287M05	2 Pin Plug
PLUG "D", "P"	58347000	MEJ1288M02	3 Pin Plug
PLUG "G"	58347100	MEJ1289M09	4 Pin Plug
PLUG "F", "O", "B"	58347200	MEJ1290M07	5 Pin Plug
PLUG "C"	58347300	MEJ1291M04	6 Pin Plug
PLUG "A", "N"	58347400	MEJ1292M01	7 Pin Plug
PLUG "L"	58347500	MEJ1189M06	5 Pin Plug For Player
△ Si202, △ Si203	58328200	EFSA2521T2	Fuse T 1.25A (BEAB)
△ Si201, △ Si204, △ Si205	58328300	EFS1A621T0	Fuse T 1.6A (BEAB)
△ Si204, △ Si205	58328100	EFS2A022F7	Fuse T 2.0A (UL)
△ Si201	58328000	EFS3A022F4	Fuse T 3.0A (UL)
△ Si206, △ 207	58328400	EFS3A151F3	Fuse T 3.15A

4-7. GPB1339D05 Headphone Jack P.C. Board (Stock No. 58328700)

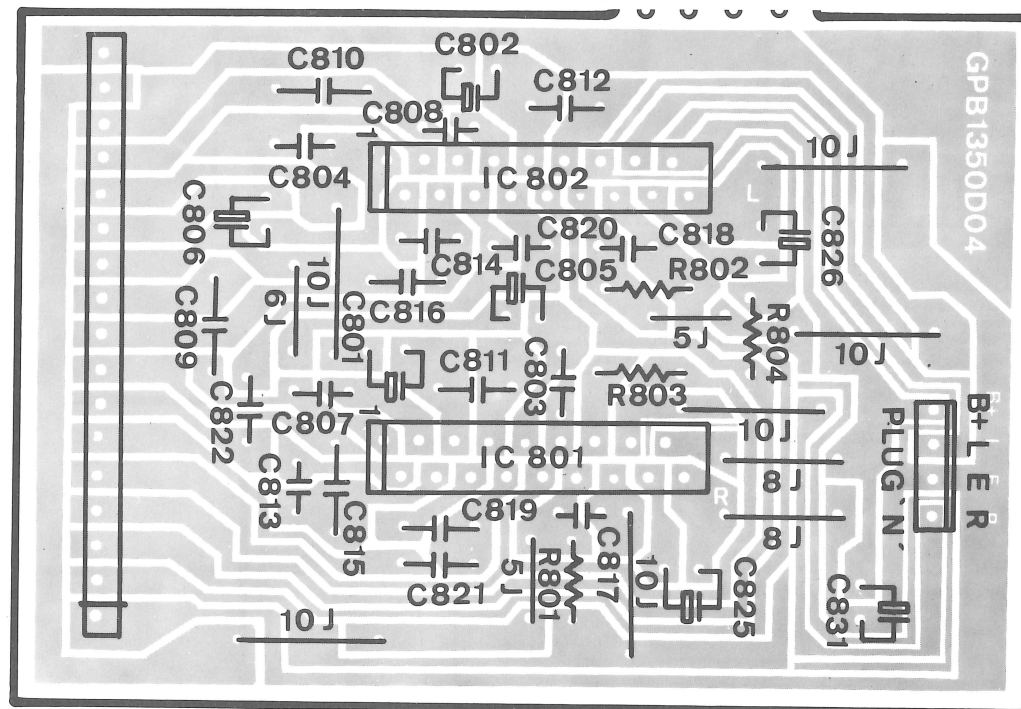


• Component Side

• Parts List

Parts No.	Stock No. (J)	Stock No. (T)	Description
R601,602	46242800	ERM2221015	Resistor 220 ohm 1W
PLUG "K"	58347200	MEJ1290M07	5 Pin Plug
	58326200	MEJ1146D01	Headphone Jack

4-8. GPB1350D04 EQ. Amp. P.C. Board.

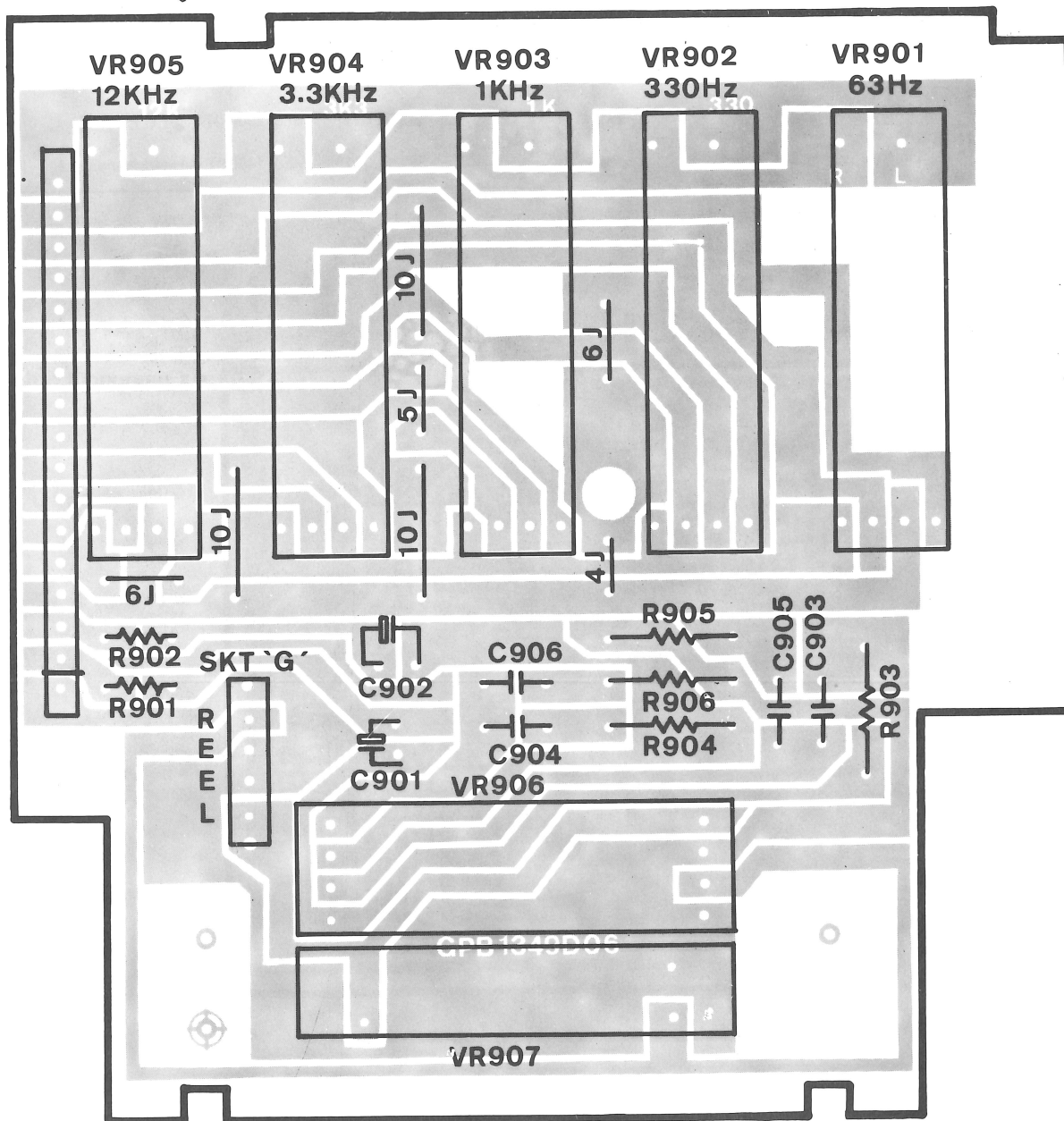


• Component Side

• Parts List

Parts No.	Stock No. (J)	Stock No. (T)	Description
IC801,802	58326900	EIC0038128	BA 3812
Plug "N"	58347100	MEJ1289M09	4 Pin Plug
C805,806	48463600	ECE335L602	Elect Cap 0.33 μ F CLC
C801,802	48463900	ECE106L600	Elect Cap 1 μ F CLC
C831	48458900	ECE108B801	Elect Cap 100 μ F/10V
C825,826	48459000	ECE228B804	Elect Cap 220 μ F/10V
C817,818	00403800	ECP103KF13	Mylar Cap 102P $\pm$ 10% 50V
C807,808	00404800	ECP273KF11	Mylar Cap 272P $\pm$ 10% 50V
C803,804,821	00405800	ECP683KF12	Mylar Cap 682P $\pm$ 10% 50V
822			
C815,816	00407400	ECP334KF17	Mylar Cap 333P $\pm$ 10% 50V
C811,812	00407800	ECP474KF16	Mylar Cap 473P $\pm$ 10% 50V
C809,810	00408600	ECP105KF15	Mylar Cap 104P $\pm$ 10% 50V
C819,820	00359000	ECS222JF13	Poly Cap 220pF $\pm$ 5% 50V
C813,814	00361900	ECS822JF15	Poly Cap 820pF $\pm$ 5% 50V
R801,802,803	46479400	ERJ6830610	Resistor 6.8K ohm 1/6W
804			

4-9. GPB1349D06 EQ, VR. & Tone & Volume P.C. Board. (Stock No. 58331700)

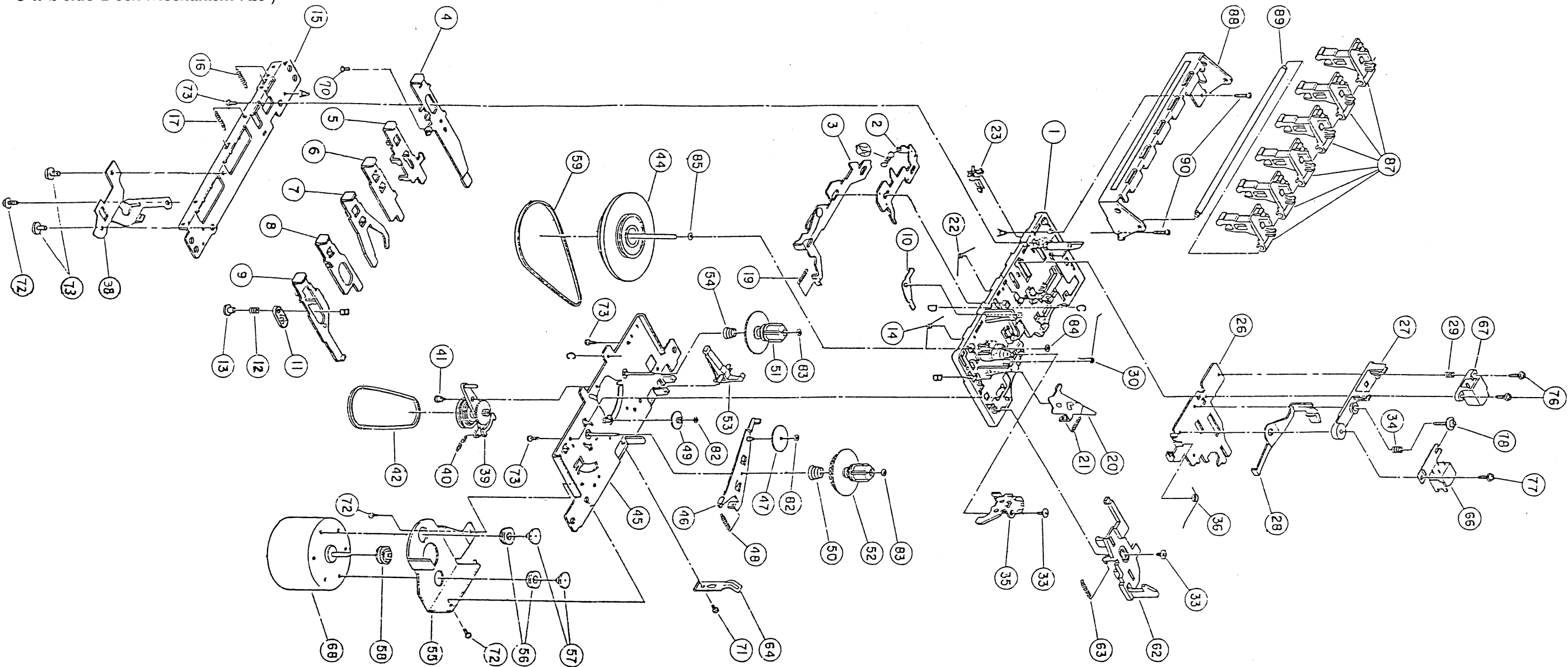


• Parts List

Parts No.	Stock No. (J)	Stock No. (T)	Description
VR901,902,903,904,905	58326700	EVR1058903	Equalizer 100KB x 2
VR906	58326600	EVR1058800	Volume 100KA x 2 (Tap)
VR907	58326800	EVR1059003	Balance 100KW
SKT "G"	58347800	MEJ1214F14	4 Pin Connector Output
FOR SKT "G"	58347900	MEJ1049D09	4 Pin Wire Socket
C901,902	48459800	ECE107C601	Elect Cap 10μF/16V
C903,904	00383800	ECC472NF00	Ceramic Cap 470pF ±10%
C905,906	00407800	ECP474KF16	Mylar Cap 473pF ±10% 50V
C905,906	00235800	ERJ4730417	Resistor 4.7K ohm 1/4W
C903,904	00227800	ERJ1540411	Resistor 15K ohm 1/4W
C901,902	46479000	ERJ4730613	Resistor 4.7K ohm 1/6W

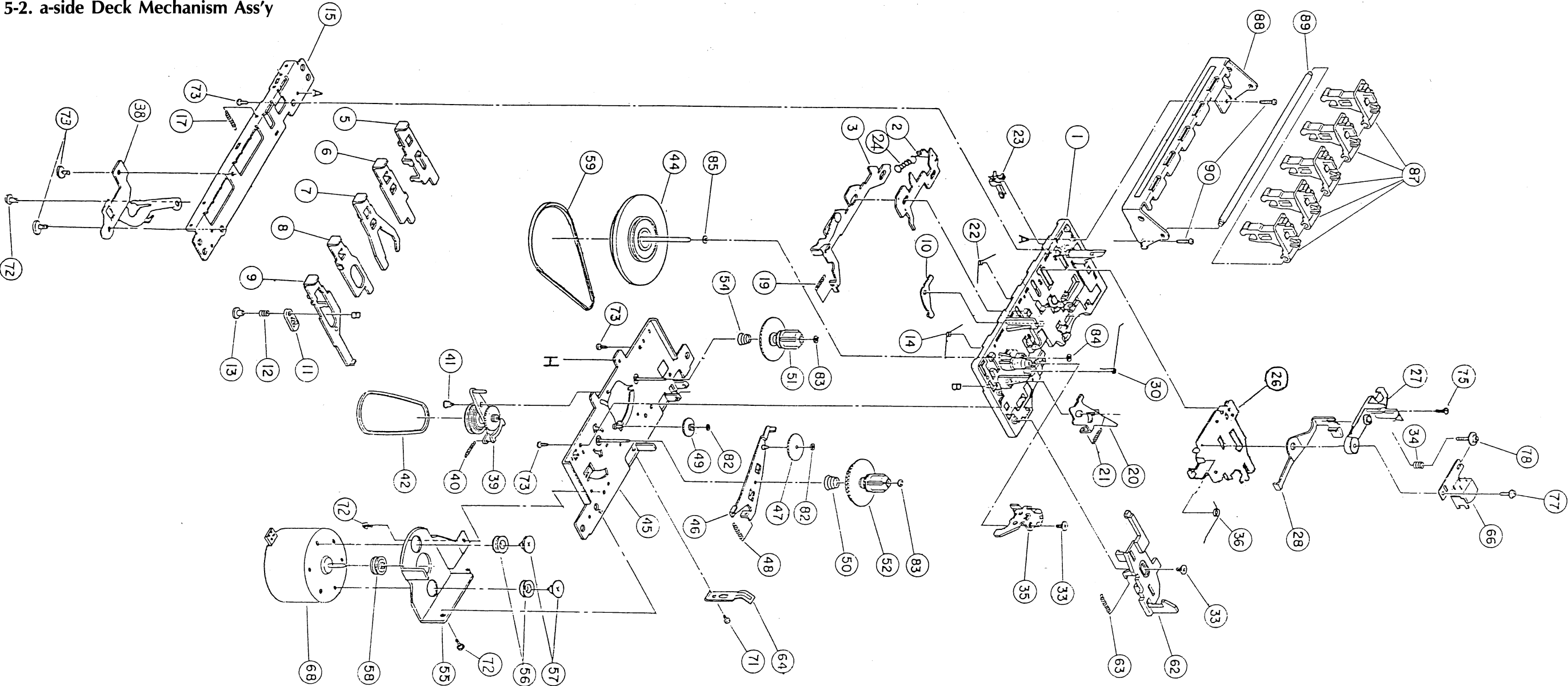
5. EXPLODED VIEW OF MECHANANISM ASS'Y & PARTS LIST

5-1. b-side Deck Mechanism Ass'y



• Parts List			
No.	Stock No. (J)	Stock No.	Description
1	58348200	1821 01 60	Main Base Ass'y
2	58348300	1821 01 05	Switch Plate
3	58348400	1821 01 501	Push Button Actuator Ass'y
4	58377100	1821 01 28A	REC Button Lever
5	58348500	1821 01 29	Play Button Lever
6	58348600	1821 01 30	RWD Button Lever
7	58348700	1821 01 31	FF Button Lever
8	58348800	1821 01 32	Stop Button Lever
9	58348900	1821 01 503	Pause Button Lever Ass'y
10	58349000	1821 01 68	RWD Lever
11	58349100	1821 01 15	Pause Lever
12	58349200	1821 01 16	Pause Lever Spring
13	58349300	1821 01 34	Pause Stopper
14	58349400	1821 01 23	Button Lever Spring (C)
15	58377200	1821 01 19	Sub Chassis
16	58377200	1821 01 07	Button Lever Spring (A)
17	58349500	1821 01 50	Play Button Lever SP (S)
18	58349600	1821 01 22	Actuator Spring
19	58349700	1821 01 62	Auto Lever
20	58349800	1821 01 21	Auto Lever Spring
21	58349900	1821 01 49	Button Lever Spring (E)
22	58370000	LSA-1115R	Lead Switch
23	58370100	1821 10 38	Switch Actuator SP
24	58370200	1829 03 04	Head Panel
25	58370300	1829 03 02	Head Base
26	58370400	1821 03 301	Sensing Plate Ass'y
27	58370500	1821 03 08	E.H. Spring
28	58370600	1821 03 12	Head Panel Spring
29	58370700	1821 13 05	P.M.E. Screw
30	58370800	1821 03 07	Spring
31	58370900	1821 04 301	Pinch Roller Ass'y
32	58371000	1821 04 08	Pinch Roller Spring
33	58371100	1821 07 319	Metal Guide
34	58371200	1821 07 04	RF Pulley Arm Ass'y
35	58371300	1821 07 21	RF Pulley Arm Spring
36	58371400	1821 07 05	RF Arm Collar Screw
37	58371500	1821 09 301	Flywheel Ass'y
38	58371600	1821 10 515	Reel Base Ass'y
39	58371700	1821 10 512	Take-Up Gear Plate Ass'y
40	58371800	1867 03 101	Take-Up Roller Gear
41	58371900	1821 10 08	T.G. Plate Spring
42	58372000	1821 10 57	FF Gear
43	58372100	1821 10 42	Back Tension spring
44	58372200	1821 10 309	Supply Reel Ass'y
45	58372300	1821 10 312	Take-Up Reel Ass'y
46	58372400	1821 10 69	Record Safety Lever
47	58372500	1821 12 10	Back Tension Spring
48	58372600	1820 13 08	Motor Bracket
49	58372700	1821 12 02	Motor Rubber
50	58372800	1821 12 32	Motor Collar Screw
51	58372900	1720 09 05	Motor Pulley
52	58373000	1821 13 04	Main Belt
53	58373100	1821 13 02	Elect Slide Lever
54	58373200	1829 10 01	Elect Slide Lever SP
55	58373300	271-30-112	Pack Spring
56	58373400	TC-2131 H	R.P. Head
57	58373500	SHW 2L 51	E. Head
58	58373600	9076 00 00	Motor
59	58373700	9179-00-00	Tams Screw M2.0 x 3
60	58373800	9180-00-00	C Tapping Screw M2 x 3
61	58373900	9677-00-00	P Tapping Bind Screw M2 x 5
62	58377000	9821-00-00	Cap Screw M2 x 8
63	58377100	9820-00-00	Cap Screw M2 x 7
64	58377200	9922-00-00	Azimuth Screw M2 x 7
65	58377300	9421-00-00	Washer Cut 1.2 x 3 x 0.25
66	58377400	9888-00-00	P Washer Cut 1.2 x 3 x 0.4
67	58377500	9875-00-00	P Washer Cut 1.55 x 3.8 x 0.5
68	58377600	9999-00-04	P Washer Cut 2.05 x 4 x 0.5
69	58377700	1821 31 07	Operation Lever
70	58377800	1821 31 06	B Frame(s)
71	58377900	1829 31 03	Button Lever Shaft
72	58378000	9982-00-00	Screw (For Camera) M2 x 7
73	58378100		
74	58378200		
75	58378300		
76	58378400		
77	58378500		
78	58378600		
79	58378700		
80	58378800		
81	58378900		
82	58379000		
83	58379100		
84	58379200		
85	58379300		
86	58379400		
87	58379500		
88	58379600		
89	58379700		
90	58379800		

5-2. a-side Deck Mechanism Ass'y

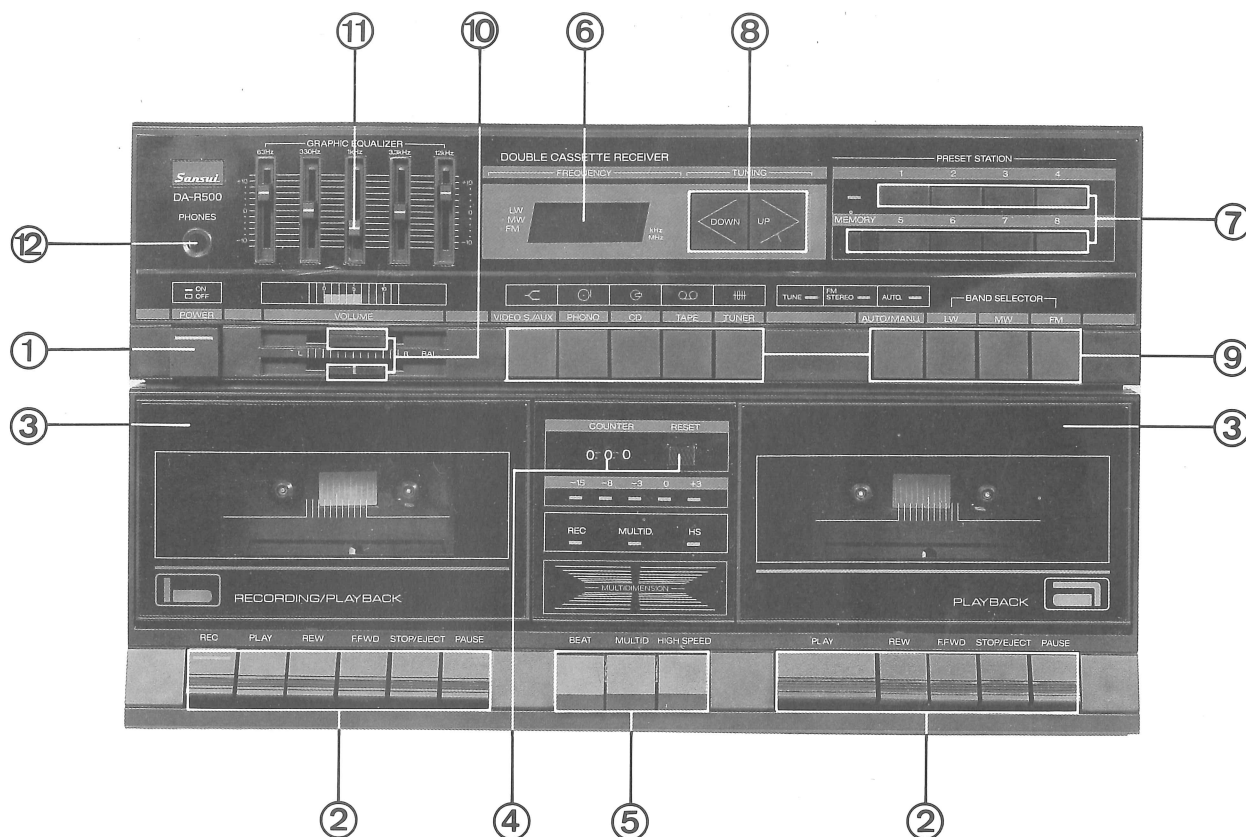


• Parts List

No.	Stock No. (J)	Stock No.	Description	Qty
1	58348200	1821 01 60	Main Base Ass'y	1
2	58348300	1821 01 05	Switch Plate	1
3	58348400	1821 01 501	Push Button Actuator Ass'y	1
4				1
5	58348500	1821 01 29	Play Button Lever	1
6	58348600	1821 01 30	RWD Button Lever	1
7	58348700	1821 01 31	FF Button Lever	1
8	58348800	1821 01 32	Stop Button Lever	1
9	58348900	1821 01 503	Pause Button Lever Ass'y	1
10	58349000	1821 01 68	RWD Lever	1
11	58349100	1821 01 15	Pause Lever	1
12	58349200	1821 01 16	Pause Lever Spring	1
13	58349300	1821 01 34	Pause Stopper	1
14	58349400	1821 01 23	Button Lever Spring (C)	1
15		1821 01 19	Sub Chassis	1
16				1
17	58349500	1821 01 50	Play Button Lever SP (S)	1
18				1
19	58349600	1821 01 22	Actuator Spring	1
20	58349700	1821 01 62	Auto Lever	1
21	58349800	1821 01 21	Auto Lever Spring	1
22	58349900	1821 01 49	Button Lever Spring (E)	1
23	58370000	LSA-1115R	Leaf Switch	1
24	58370100	1821 10 38	Switch Actuator SP	1
25				1
26	58370200	1821 03 10	Head Panel	1
27	58370300	1821 03 02	Head Base	1
28	58370400	1821 03 301	Sensing Plate Ass'y	1
29				1
30	58370500	1821 03 12	Head Panel Spring	1
31				1
32				1
33	58370600	1821 13 05	P.M.E. Screw	2
34	58370700	1821 03 07	Spring	1
35	58370800	1821 04 301	Pinch Roller Ass'y	1
36	58370900	1821 04 08	Pinch Roller Spring	1
37				1
38	58371000	1821 39 19	Metal Guide	1
39	58371100	1821 07 319	RF Pulley Arm Ass'y	1
40	58371200	1821 07 04	RF Pulley Arm Spring	1
41	58371300	1821 07 21	RF Arm Coller Screw	1
42	58371400	1821 07 05	RF Belt	1
43				1
44	58371500	1821 09 301	Flywheel Ass'y	1
45	58371600	1821 10 515	Reel Base Ass'y	1
46	58371700	1821 10 512	Take-Up Gear Plate Ass'y	1
47	58371800	1867 03 101	Take-Up Roller Gear	1
48	58371900	1821 10 08	T.G. Plate Spring	1
49	58372000	1821 10 57	FF Gear	1
50	58372100	1821 10 42	Back Tension Spring	1
51	58372200	1821 10 309	Supply Reel Ass'y	1
52	58372300	1821 10 312	Take-Up Reel Ass'y	1
53				1
54	58372400	1821 10 46	Back Tension Spring	1
55	58372500	1821 12 10	Motor Bracket	1
56	58372600	1820 13 06	Motor Rubber	1
57	58372700	1821 12 02	Motor Coller Screw	2
58	58372800	1821 12 32	Motor Pulley	1
59	58372900	1720 09 05	Main Belt	1
60				1
61				1
62	58373000	1821 13 04	Eject Slide Lever	1
63	58373100	1821 13 02	Eject Slide Lever SP	1
64	58373200	1829 10 01	Pack Spring	1
65				1
66	58373300	271-30-112	R.P. Head	1
67				1
68	58373400	SHW 2L 51	Motor	1
69				1
70				1
71	58373500	9179-00-00	C Tapping Screw M2x3	1
72	58373600	9180-00-00	C Tapping Screw M2x4	3
73	58373700	9679-00-00	P Tapping Blind Screw M2x5	5
74				1
75				1
76				1
77	58373800	9820-00-00	⊕ ⊖ CAP Screw M2x7	1
78	58373900	9922-00-00	Azinuth Screw	1
79				1
80				1
81				1
82	58374000	9421-00-00	P Washer Cut 1.2x3x0.25	2
83	58374100	9888-00-00	P Washer Cut 1.2x3x0.4	2
84	58374200	9875-00-00	P Washer Cut 1.55x3.8x0.5	1
85	58374300	9999-00-04	P Washer Cut 2.05x4x0.5	1
86				1
87	58374400	1821 31 07	Operation Lever	5
88	58374500	1821 31 06	B Frame(s)	1
89	58374600	1829 31 03	Button Lever Shaft	1
90	58374700	9982-00-00	Screw (for Camera) M2x7	2

6. OTHER PARTS

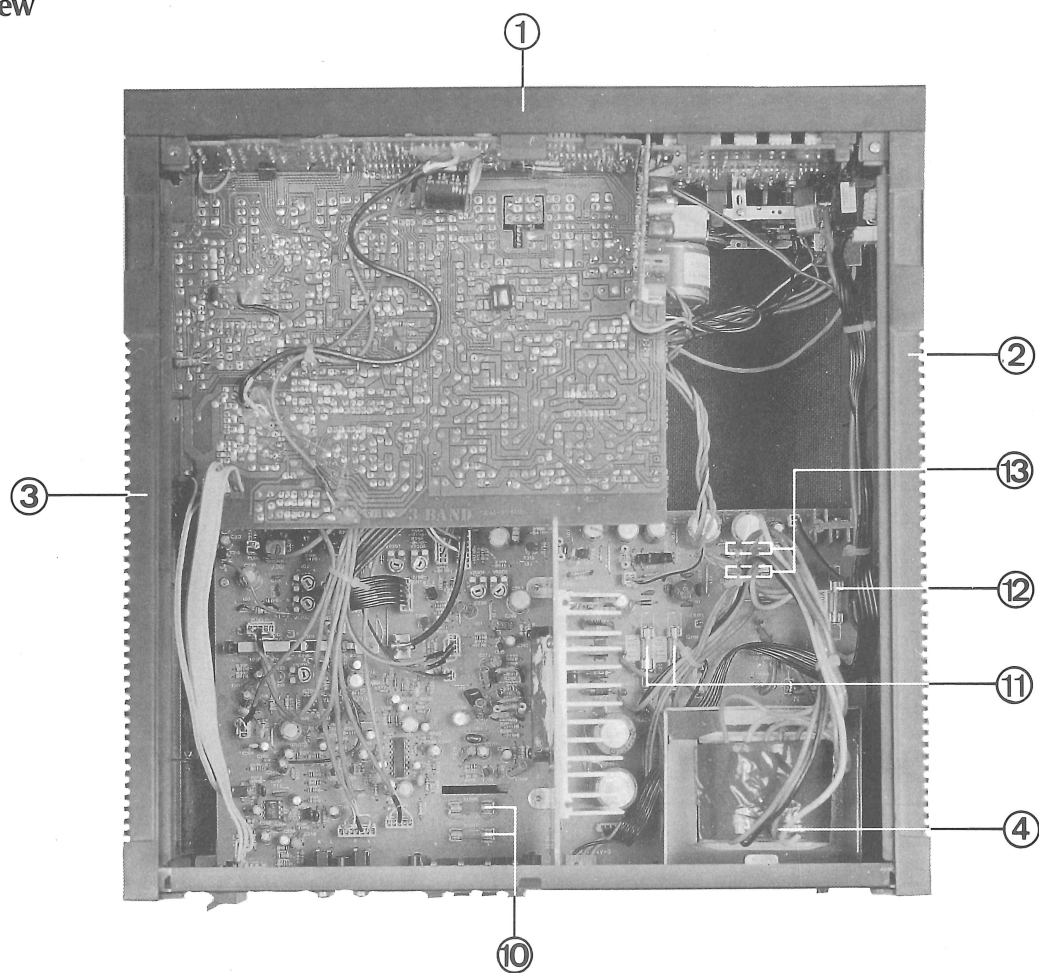
6-1. Front View



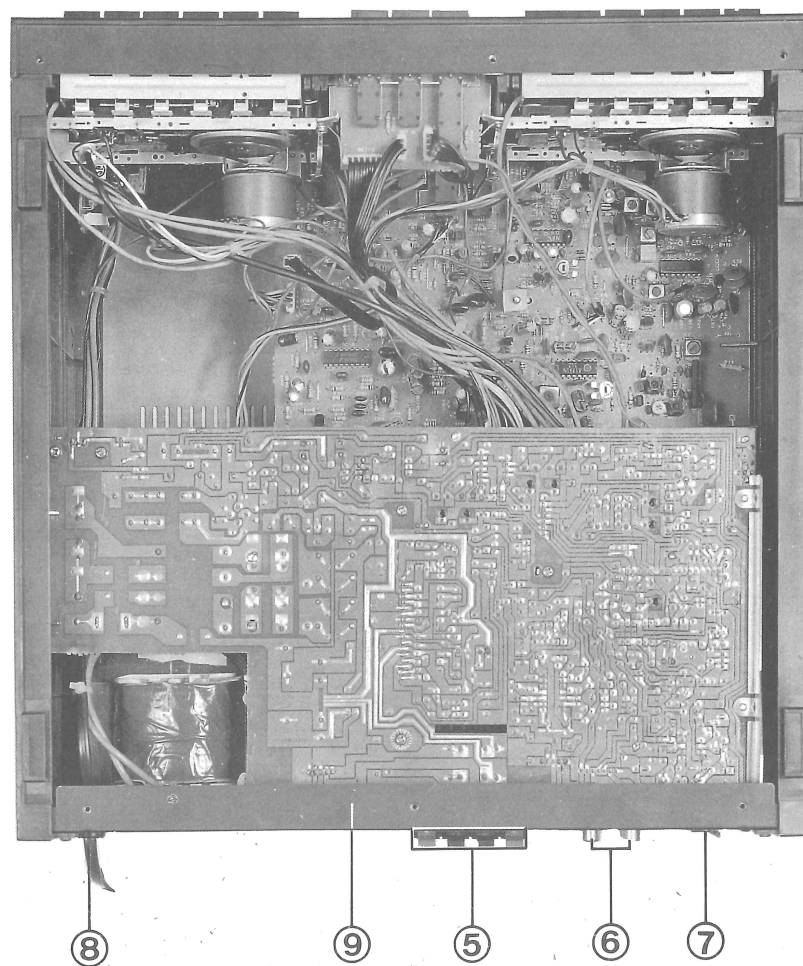
• Parts List

No.	Stock No. (J)	Stock No. (T)	Description
△ 1	58322600	GWA0898D08	Power Switch
2	58321700	MDK1336D04	Cassette Key
3	58321100	MDC1283D06	Cassette Cover (L)
	58321200	MDC1284D03	Cassette Cover (R)
4	58322400	MTC008P017	Counter
5	58323100	MDK1330D02	H.S.D. Knob
6	58327300	GDT0921515	Display For Frequency
7	58320800	MDK1359D07	Preset Knob
8	58320700	MDK1342D18	Tuning Knob Up. Down
9	58320500	MDK1358D00	Function Knob
10	58319200	MDK1334D00	Balance, Volume Knob
11	58319000	MDK1332D06	Equalizer Knob
12	58326200	MEJ1146D01	Headphone Jack

6-2. Top View



6-3. Bottom View

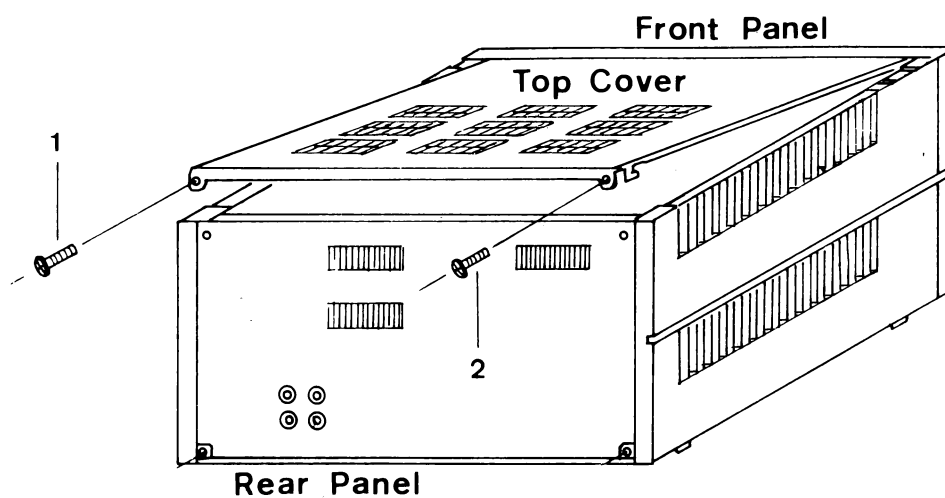


• Parts List < Top & Bottom View >

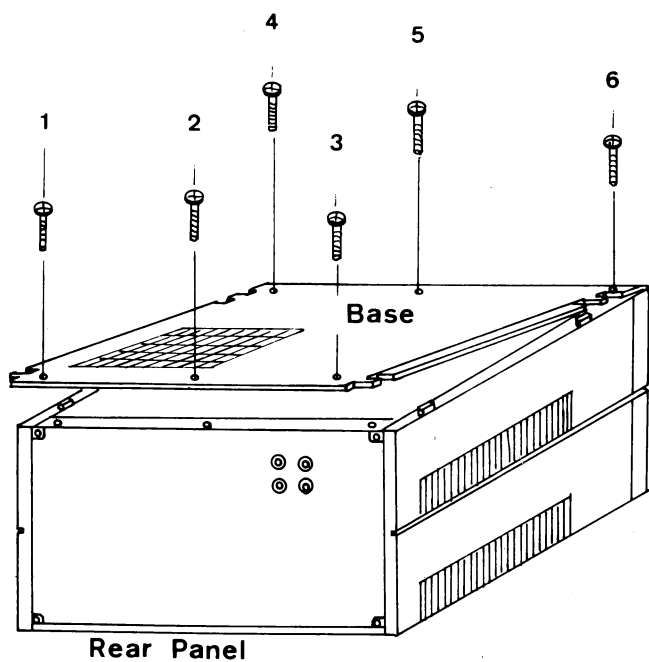
No.	Stock No. (J)	Stock No. (T)	Description
1	58320400	MDC1304D08	Front Panel
2	58323700	MDC1278D00	Side Panel (L)
3	58323800	MDC1281D02	Side Panel (R)
△ 4	58325005	GTP0173D07	Power Transformer (UK, BS)
△	58325002	GTP0176D08	Power Transformer (UL)
△	58325001	GTP1078D02	Power Transformer (XX)
5	58326300	MEJ1229D03	Speaker Socket
6	58326400	MEJ1083D01	TV/CD Socket
7	58324600	MEJ1185D08	Antenna Socket
△ 8	58324000	EWP0251100	AC Cord 120V (XX, UL)
△	58324100	EWP0251100	AC cord 240V (UK, BS)
9			Rear Panel
△ 10	58328400	EFS3A151F3	Fuse 250V F3, 15A (EU, USA)
△ 11	58328100	EFS2A022F7	Fuse 250V 2A (UL, XX)
△	58328300	EFS1A621T0	Fuse 250V 1.6A (UK, BS)
△ 12	58328000	EFS3A022F4	Fuse 250V F3A (XX, UL)
△	58328300	EFS1A621T0	Fuse 250V 1.6A (UK, BS)
△ 13	58328200	EFS2A2521T2	Fuse 250V T1.25A (EU, BS)

7. DISASSEMBLY

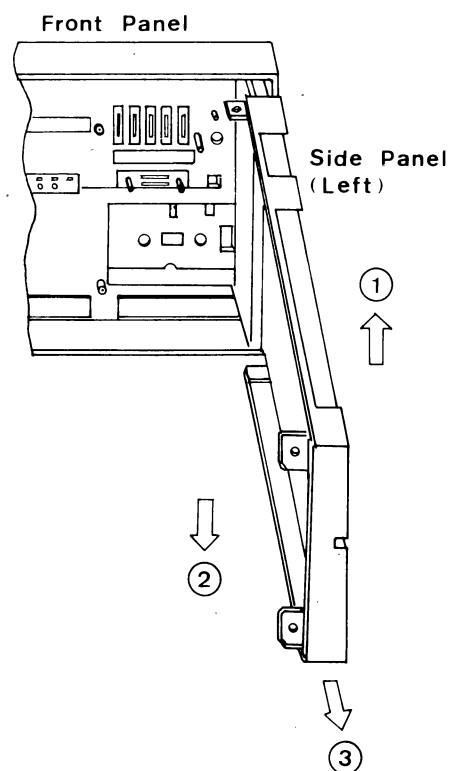
7-1. To Remove Cabinet Top.



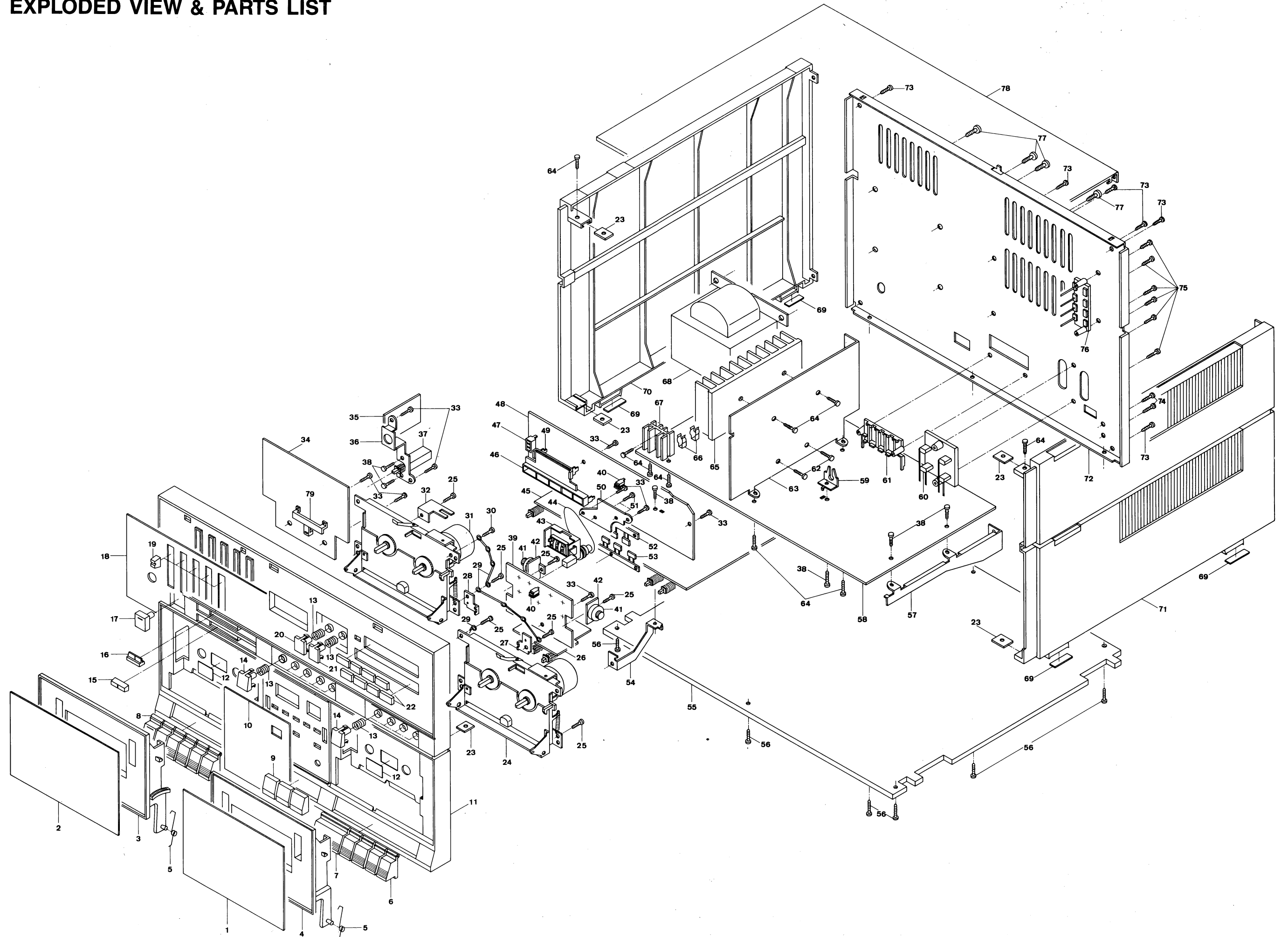
7-2. To Remove Base Board.



7-3. To Remove Side Panel From Front Panel.



8. EXPLODED VIEW & PARTS LIST



• Parts List < Exploded View >

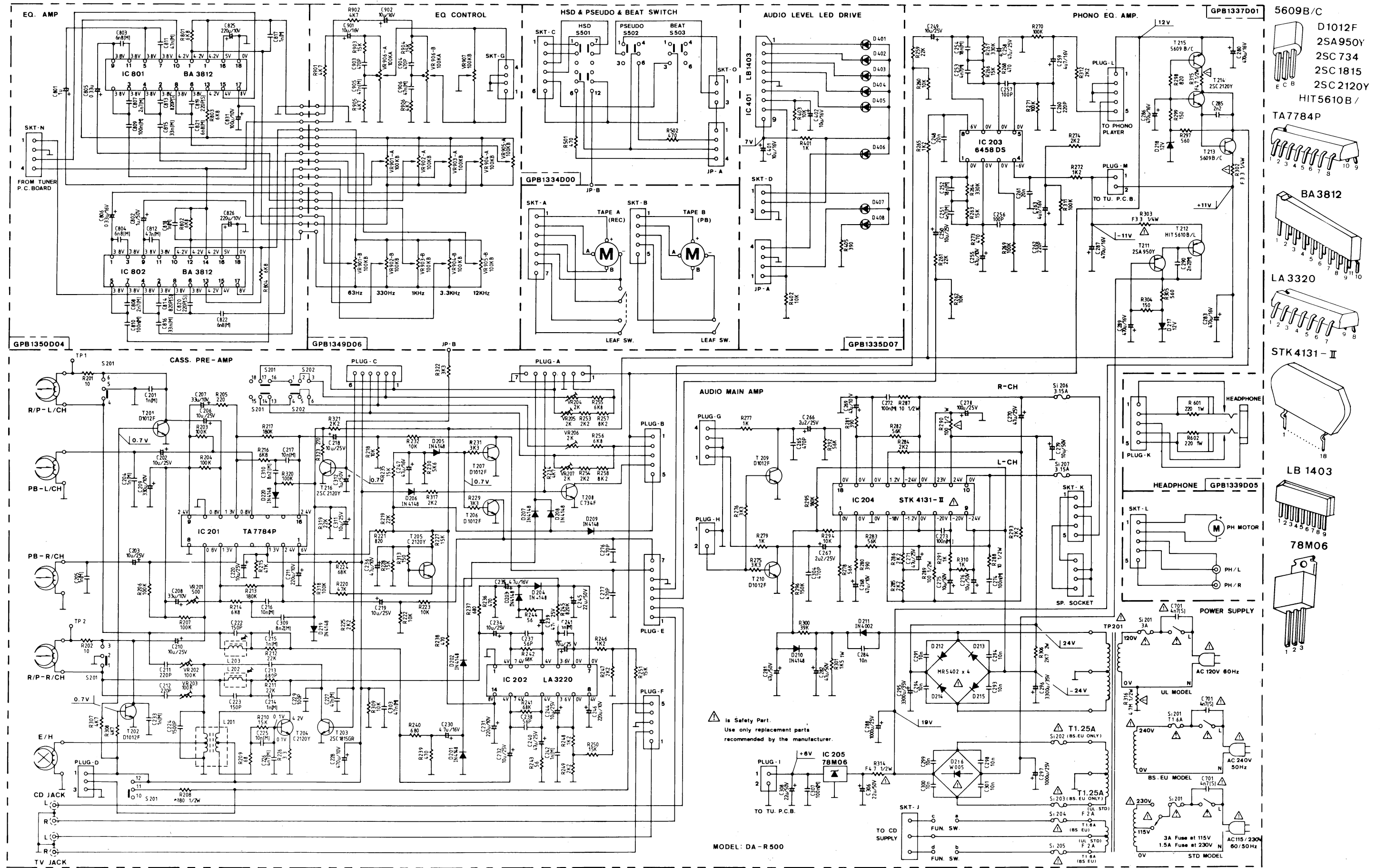
No.	Stock No. (J)	Stock No. (T)	Description	Q'ty
1	58318700	MDS1196D04	Cassette Lens (A)	1
2	58318800	MDS1197D01	Cassette Lens (B)	1
3	58321100	MDC1283D06	Cassette Cover (L)	1
4	58321200	MDC1284D03	Cassette Cover (R)	1
5	58345100	MMS1070D07	Eject Spring	2
6	58321700	MDK1336D04	Cassette Key (B)	9
7	58321800	MDK1335D07	Cassette Key (A) For Play	1
8	58322200	MDK1336D15	Cassette Key (B) For Rec	1
9	58323100	MDK1330D02	H. S. D. Knob	3
10	58319300	MDS1202D00	Level Lens	1
11	58320400	MDC1304D08	Front Panel	1
12	58323600	MDT1319D04	Reflector For Front Panel	2
13	58321900	MMS1063D07	Spring For Knob	11
14	58320500	MDK1358D00	Function Knob	9
15	58319200	MDK1334D00	Balance Knob	1
16	58319100	MDK1333D03	Volume Knob	1
17	58318900	MDK1331D09	Power Knob	1
18	58319500	MDS1219D11	Dial Lens (3B)	1
19	58319000	MDK1332D06	Equalizer Knob	5
20	58320700	MDK1342D18	Tuning Knob (DOWN)	1
21	58320600	MDK1342D07	Tuning Knob (UP)	1
22	58320800	MDK1359D07	Preset Knob Cap	8
23	58321300	MSB1550D04	Angle Plate	5
24				
25	58323000	5240310I07	Screw For Deck & Panel & Gear Bracket	7
26	58332200	GPA1334D09	Function Switch P. C. Board	1
27	58323300	MSB1579D09	Bracket (R) For Function Switch P. C. Board	1
28	58323400	MSB1580D07	Bracket (L) For Function Switch P. C. Board	1
29	58325600	MEC1114D06	Deck Earth Terminal	3
30	58345200	5270204I04	Screw For Terminal	1
31				
32				
33	58322500	5240308I02	Screw For Counter BKT. Power BKT. EQ. & LED & Display P. C. Board	9
34	58331700	GPA1349D05	EQ. P. C. Board	1
35	58328700	GPA1339D04	Headphone P. C. Board	1
36	58321400	MSB1592D02	Bracket For Power & Phono	1
△37	58322600	GWA0898D08	Power Switch	1
38	58322300	5060306B03	Screw For Bracket & AMP PCB, REC Bracket & PCB Bracket (D), SW. & Bracket	6

• Parts List < Exploded View >

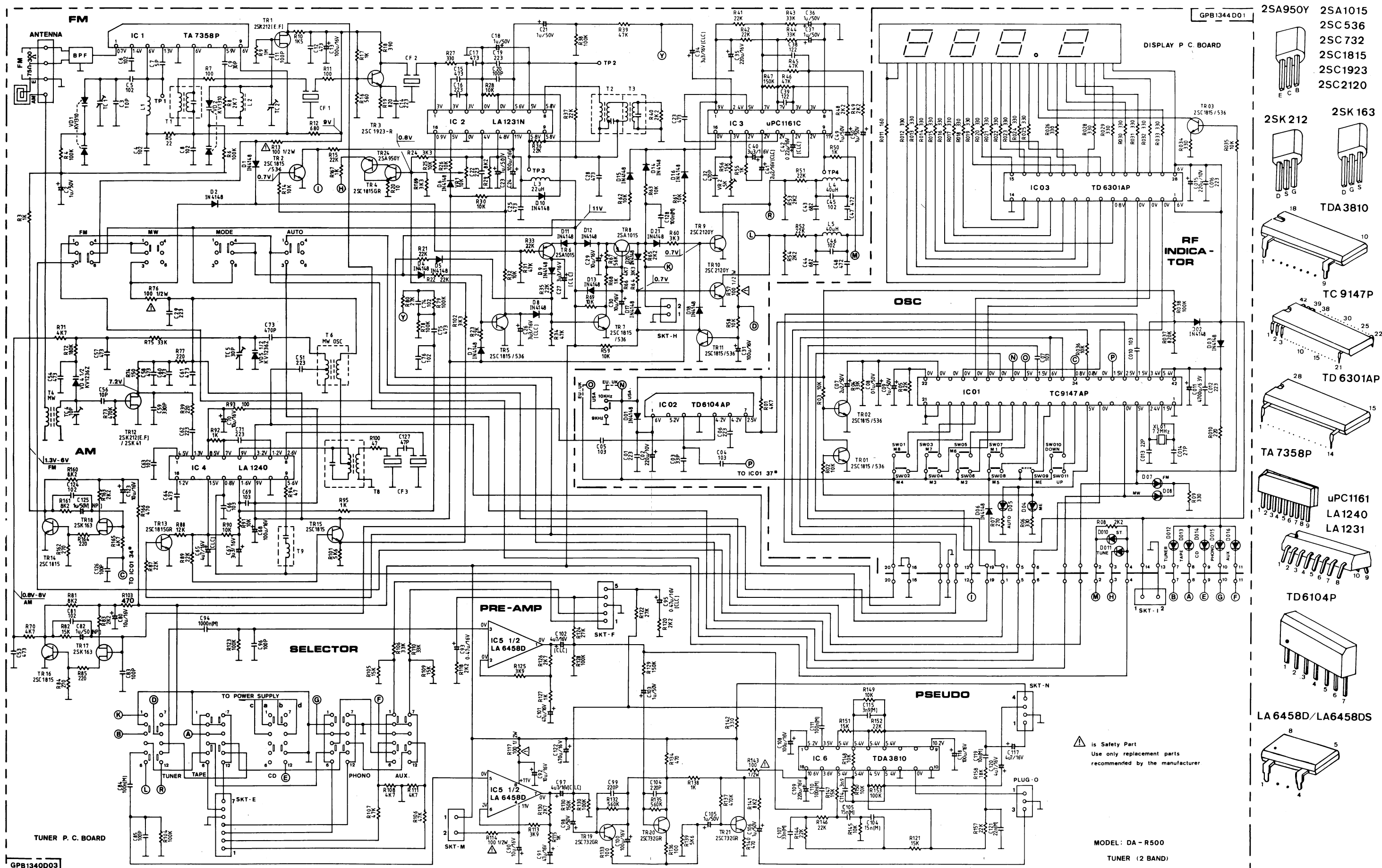
No.	Stock No. (J)	Stock No. (T)	Description	Q'ty
39	58332300	GPA1335D06	LED Display P. C. Board	1
40	58332700	MPE1265D00	LED spacer 1W	12
41	58322000	MSB1482D08	Gear	2
42	58322100	MSB1483D05	Gear Bracket	2
43	58322400	MTC008P017	Counter	1
44	58325700	MPF0804D08	Counter Belt	1
45	58345400	GPA1351D11	Tuner P. C. Board (3B)	1
46	58337100	MSB1585D02	LED Spacer 5W	1
47	58345500	MSB1586D09	LED Holder 3W	1
48	58336700	GPA1344D00	Freq. Display P. C. Board	1
49	58323500	MSB1577D05	LED Holder	1
50	58321500	MSB1548D09	Bracket For Counter	1
51	58345600	5060304B09	Screw for Counter	2
52	58345700	MDK1385D02	Preset Bracket Knob Ass'y (B)	1
53	58321000	MDK1343D04	Preset Bracket Knob Ass'y (A)	1
54	58322800	MSB1556D06	Bracket for P.C. Board (D)	1
55	58318600	MDC1280D05	Base	1
56	58345800	5320311I05	Screw for Base & Cabinet	6
57	58322900	MSB1596D00	Bracket for P.C. Board (C)	1
58	58345900	GPA1337D11	Amplifier P.C. Board	1
59	58346000	MSB3006D00	Rec Wire Bracket	1
60	58326400	MEJ1083D01	TV/CD Socket	1
61	58326300	MEJ1229D03	Speaker Socket	1
62	58326000	5270314H05	Screw For Power IC & Heat Sink	2
63				
64	58326100	5270308I05	Screw For Heat Sink Panel & Side Cabinet	9
65				
66	58328900	MFC0037D02	Fuse Holder	14
67		MES1043D08	Heat Sink For Eener IC	1
△68	58325005	GTP0173D07	Power Transformer	1
69	58346100	MPF1386D02	Cabinet Foot	4
70	58323700	MDC1278D00	Side Cabinet (L)	1
71	58323800	MDC1281D02	Side Cabinet (R)	1
72				
73	58319700	5270308H02	Screw For Rear & Heat Sink & Side Cabinet	6
74	58346200	5060306H01	Screw For Rear & Bracket	2
75	58324800	5240308H09	Screw For Rear & Socket	6
76	58324600	MEJ1185D08	Antenna Socket	1
77	58324900	5060408H08	Screw For Rear & Transformer	4
78	58318500	MSB1597D07	Top Cover	1
79	58320900	MMI1057D01	Pointer For Volume	1

9. SCHEMATIC DIAGRAM

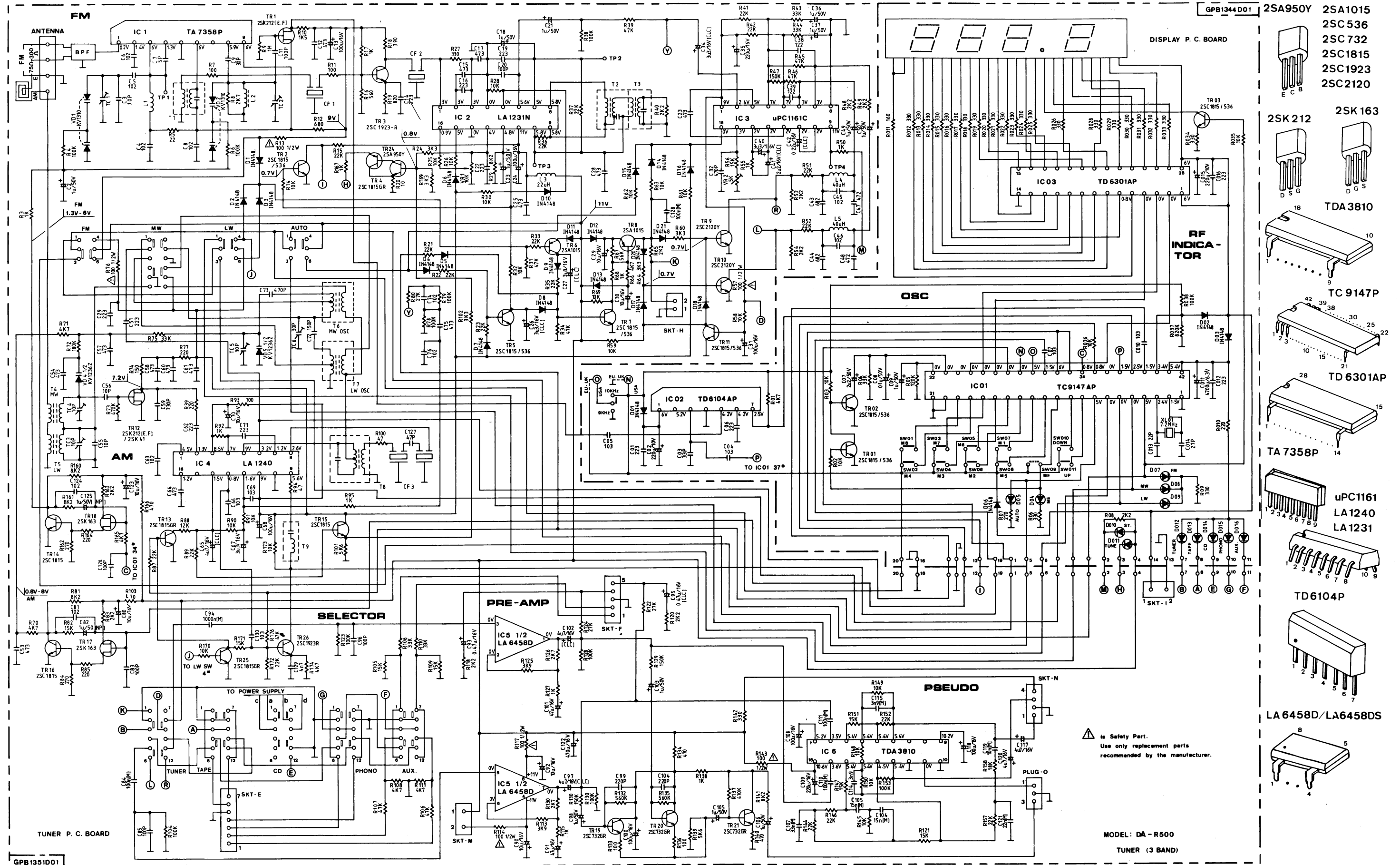
9-1. Cassette Deck REC/P.B. Amp. & Audio Amp. Section.



9-2. Tuner Section (FM/AM, 2 bands).

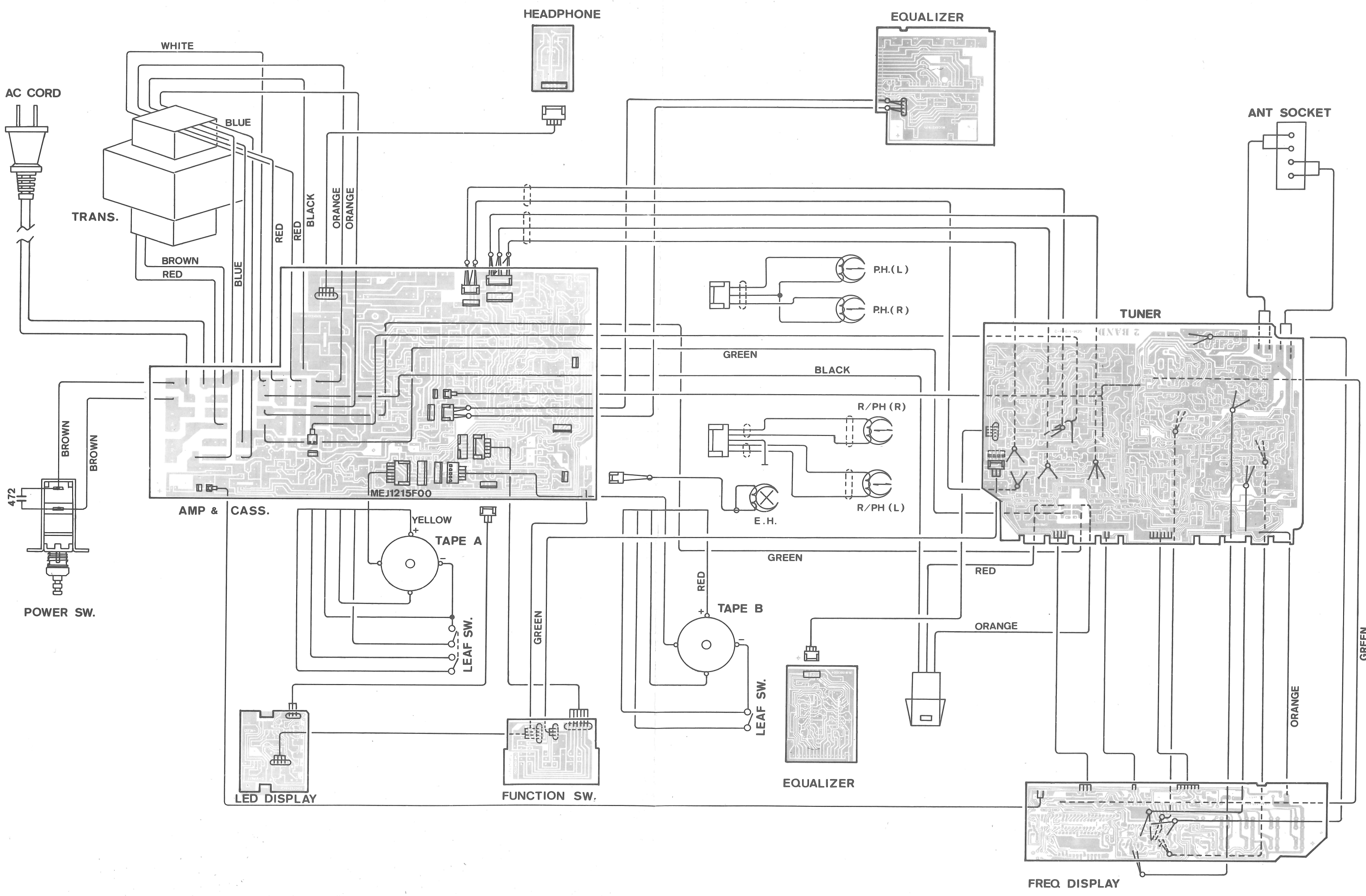


9-3. Tuner Section (FM/MW/LW, 3 bands).



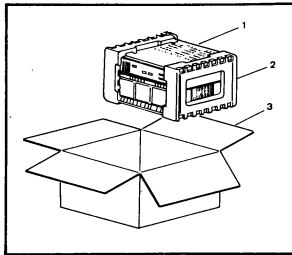
- 2SA950Y
- 2SA1015
- 2SC536
- 2SC732
- 2SC1815
- 2SC1923
- 2SC2120
- 2SK212
- 2SK163
- TDA3810
- TC9147P
- TD6301AP
- TA7358P
- uPC1161
- LA1240
- LA1231
- TD6104P
- LA6458D/LA6458DS

10. WIRING DIAGRAM



11. PACKING LIST

No.	Stock No. (J)	Stock No. (T)	Description
1	58317900	MPW1086D03	Poly Bag For Set
2	58318000	MPP1268D02	Styrofoam Packing For Set
3	58317800	MPC1469D01	Carton Case



12. ACCESSORY LIST

No.	Stock No. (J)	Stock No. (T)	Description
1.	58318300	MEA1017D02	AM Loop Antenna
2.	58318400	MEJ1267D03	AM Antenna Wire
3.	58318100	MDL2330D00	Instruction Book

