150

SERVICE MANUAL

Digital Synthesized AM/FM Stereo Tuner

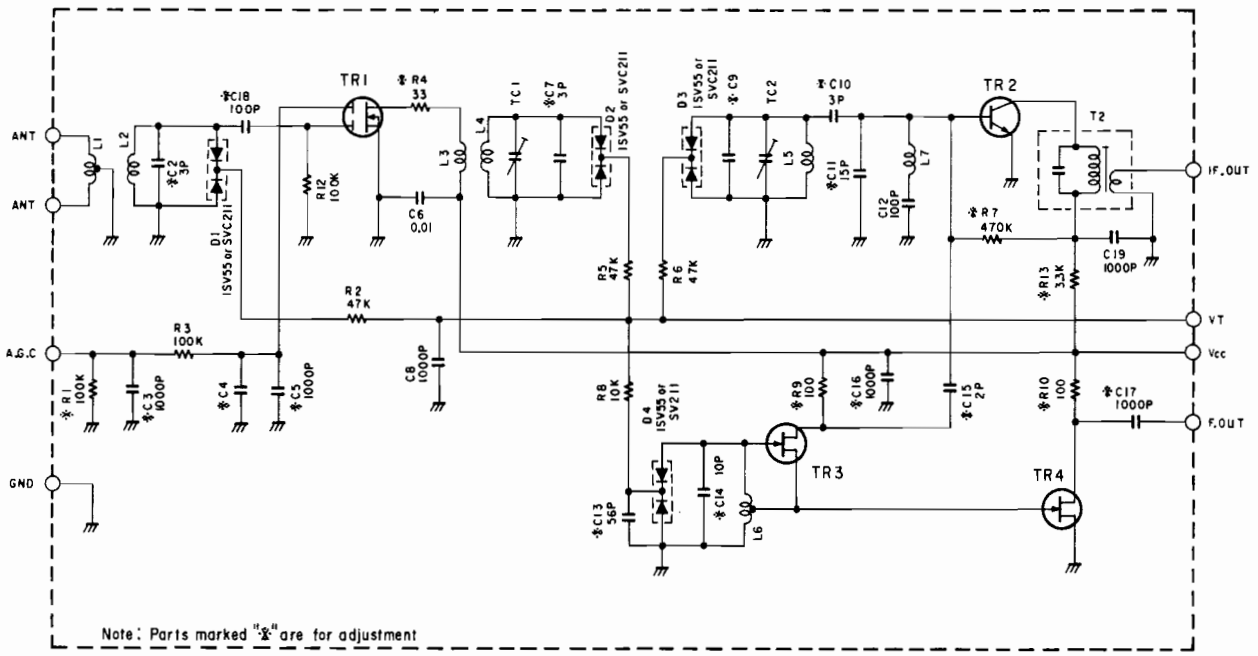
T-111/T-111L

22

150

Contents

FM Tuner Schematic Diagram



TR1		TR2		TR3			TR4		
3SK74	3SK85	2SC2668	2SC668	2SK55	2SK61	2SK161	2SK161	2SK241	2SK168
3SK101		2SC535	2SC1923	2SK168	2SK193	2SK212	2SK61	2SK193	2SK212

Specifications

FM

Intermediate Frequency	10.7 MHz
Frequency Range	T-111: 87.9 — 107.9 MHz ("U" position) 87.5 — 108.0 MHz ("E" position) T-111L: 87.5 — 108 MHz
Usable Sensitivity (Mono 3%)	19.5 dBf
Signal to Noise Ratio (ST)	66 dB
Image Response Ratio	65 dB
I.F. Response Ratio	80 dB
Distortion (1 kHz ST)	0.5%
Stereo Separation (1 kHz)	37 dB
Frequency Response (30 Hz — 15 kHz)	±2 dB
Quieting Sensitivity (ST, 50 dB S/N)	52 dBf
Output Level (ST)	630mV ±3 dB

AM (MW)

Intermediate Frequency	450 kHz
Frequency Range	T-111: 522 — 1611 kHz (9 kHz Step) 530 — 1620 kHz (10 kHz Step) T-111L: 522 — 1611 kHz
Usable Sensitivity (20 dB S/N)	62 dB/m
Signal to Noise Ratio	45 dB
Image Response ratio (1404 kHz)	30 dB
I.F. Response Ratio (603 kHz)	40 dB
Distortion	1.5%
Frequency Response (120 Hz — 2 kHz)	+1/—6 dB
Output Level	200mV ±3 dB

LW (For T-111L SD Model Only)

Intermediate Frequency	450 kHz
Frequency Range	155 — 281 kHz
Usable Sensitivity (20 dB S/N)	74 dB/m
Image Response Ratio (281 kHz)	27 dB
I.F. Response Ratio (182 kHz)	27 dB
Distortion	1.5%
Output Level	200mV ±3 dB
Power Supply	T-111 (EK): AC 100 — 120V (60 Hz) and AC 220 — 240V (50 Hz) T-111 (UC/UQ): AC 120V (60 Hz) T-111L: AC 220 — 240V (50 Hz)
Power Consumption	8W
Semi-Conductors	T111: 10 IC's, 28 Transistors, 1 FET, 40 Diodes, 2 Zener Diodes, 2 Varicap Diodes T-111L: 10 IC's, 31 Transistors, 1 FET, 46 Diodes, 2 Zener Diodes, 4 Varicap Diodes
Dimensions	438(W) x 60(H) x 220(D) mm
Weight (Net)	2.3 Kg

Note: T-111 . . . . . EK, UC, UQ model only
T-111L . . . . . SD model only

NOTE: Due to continuing product improvement, specifications and design are subject to change without notice.

Parts Locations and Disassembly Instructions

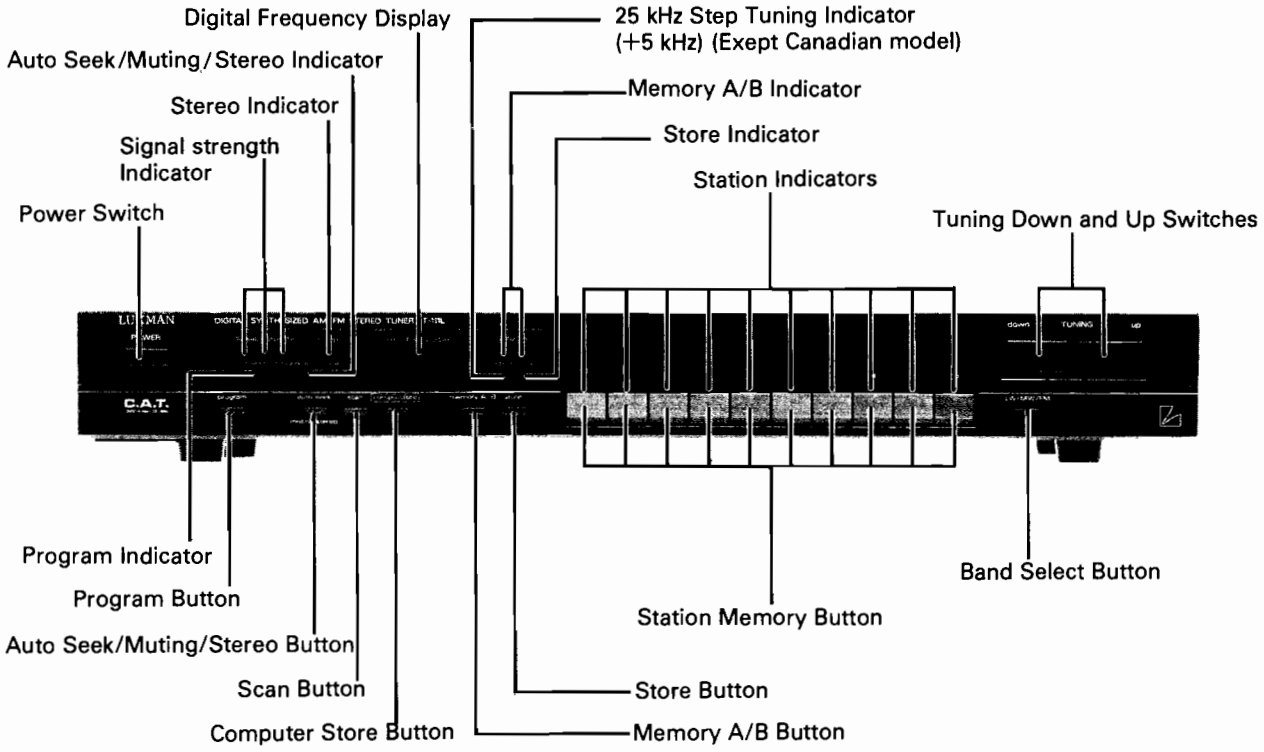


Figure 1

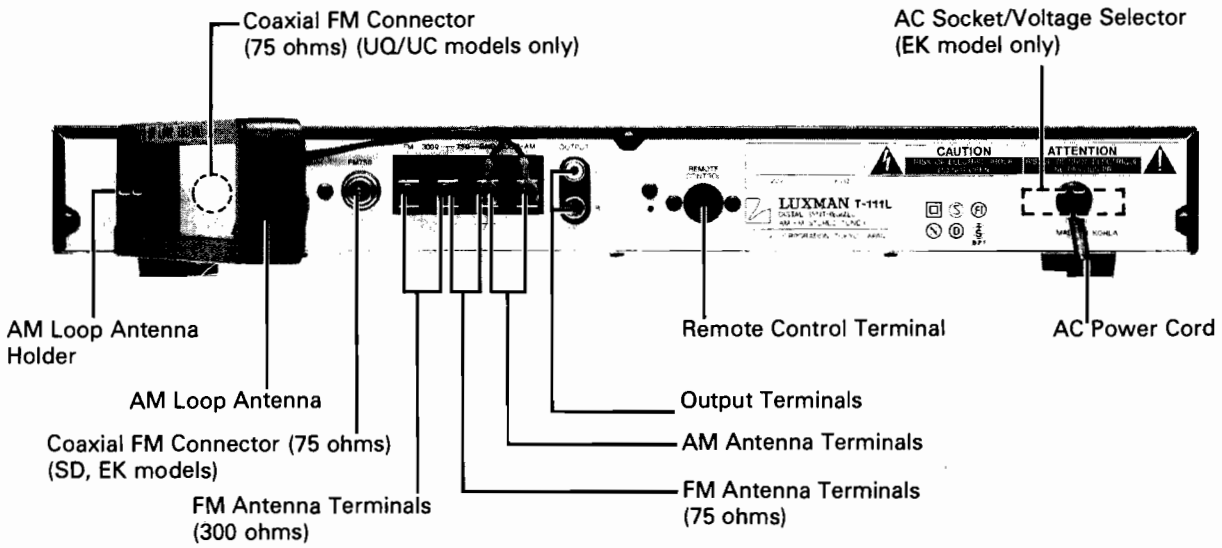


Figure 2

1. Removal of Top Cover

(1) Remove seven screws marked " ○ " as shown in Figure 3, 4, 5.

(2) Pull out the top cover in the arrow direction as shown in Figure 3.

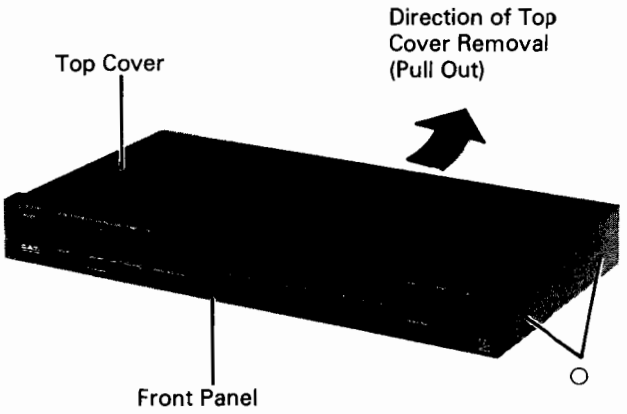


Figure 3

2. Removal of Front Panel

(1) Remove three screws marked " △ " as shown in Figure 4.

(2) Remove the front panel, push over the hooks (a) of dial backboard as shown in Figure 6.

3. Removal of Dial Backboard

(1) After removal of front panel remove two screws marked " ☆ " as shown in Figure 6.

(2) Remove Station Switch P.C. Board, LED/display P.C. Board and Power Switch P.C. Board respectively as shown in step 4.

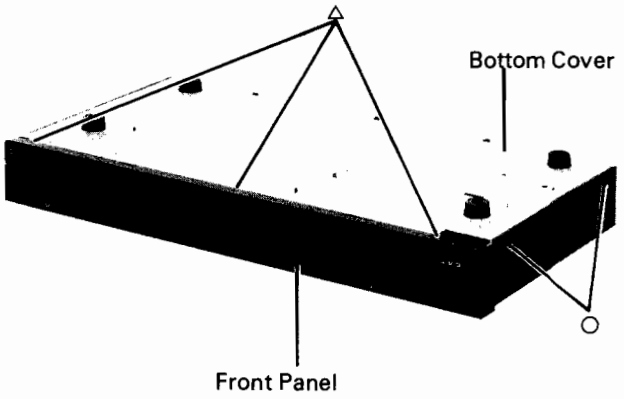


Figure 4

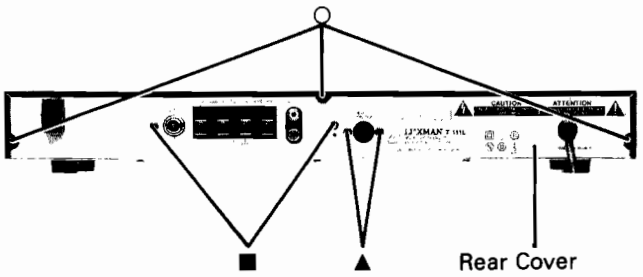


Figure 5

4. Removal of Station Switch P.C. Board, LED/Display P.C. Board and Power Switch P.C. Board

(1) Remove a screw marked "●" as shown in Figure 7.
(2) Remove hooks (b), hooks (c), and two screws marked "□" as shown in Figure 7.
(3) Disconnect all connectors from the station switch P.C. Board, LED/display P.C. Board and power switch P.C. Board.

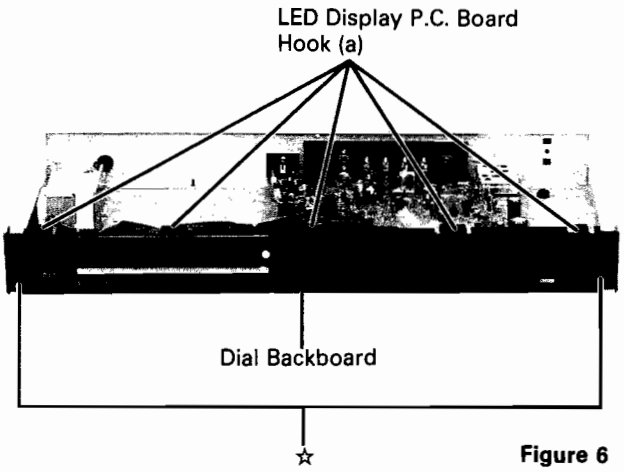


Figure 6

5. Removal of Power Trans P.C. Board

(1) Remove one screw marked "※" as shown in Figure 8.
(2) Disconnect all wires from the power trans P.C. Board.

6. Removal of Main P.C. Boards

(1) Remove two push rivets marked "▲" and five screws marked "■" as shown in Figures 5 and 8.
(2) Disconnect all connectors from the Main P.C. Boards.

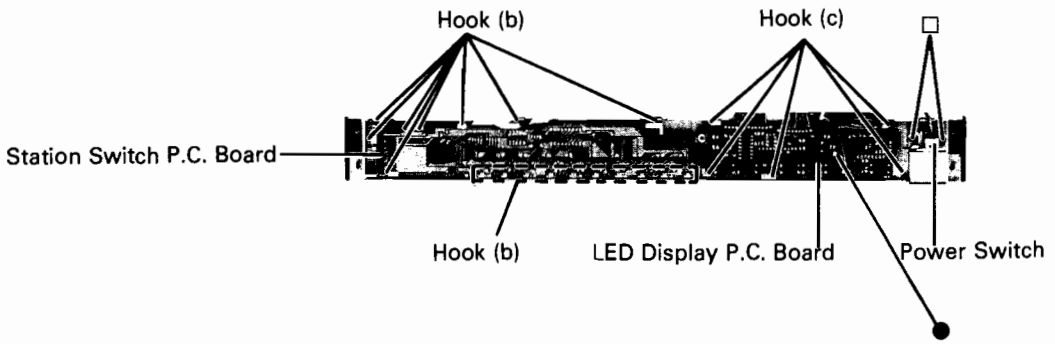


Figure 7

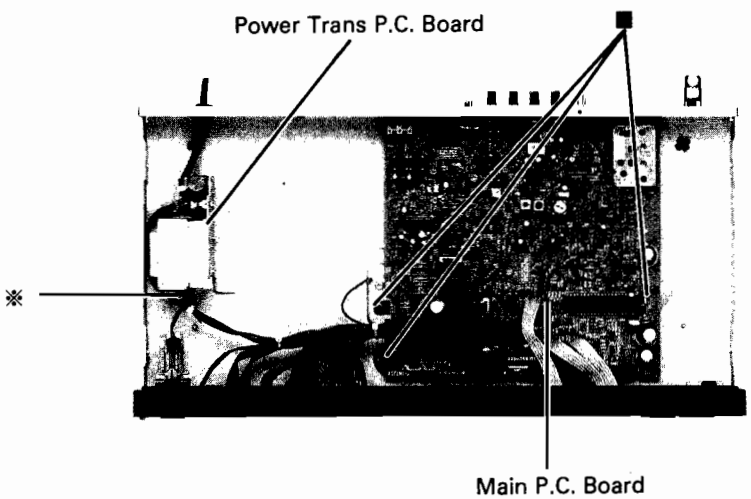


Figure 8

Adjustment Procedures

MW

(1) Connection

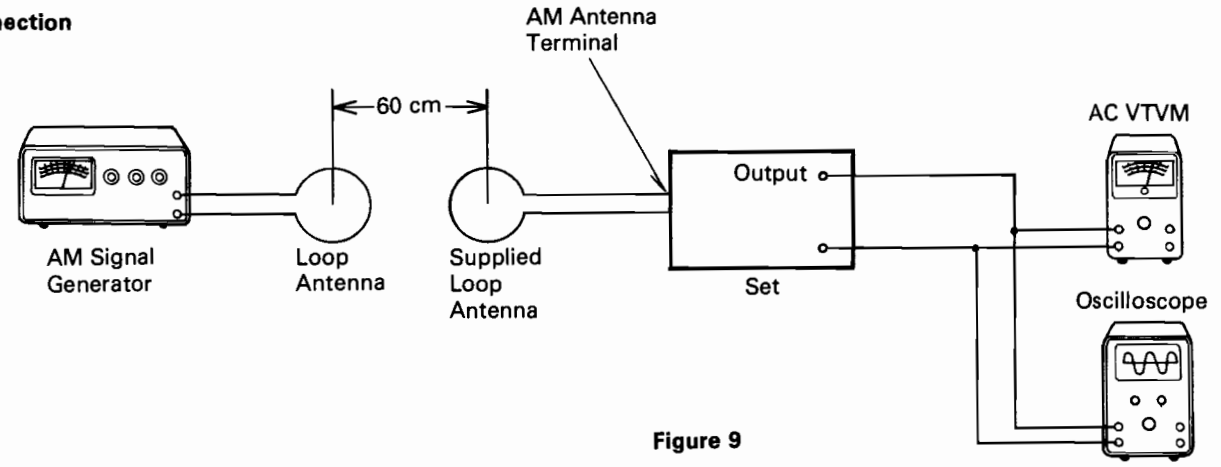


Figure 9

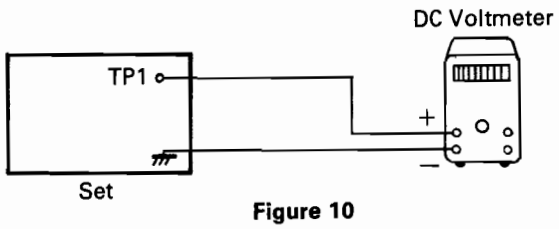


Figure 10

(2) Control Setting

Power Switch . . . . . ON
Function Switch. . . . . MW, AM
Others . . . . . OFF

(3) Procedures

Step	Description	Signal Generator	Dial Control	Adjust Points	Test Points	Connection	Remarks
1	IF Adjustment	450 kHz 120 dBμ (400 Hz, 30%)	600 kHz (UC, UQ) 603 kHz (SD, EK)	T207	Output	Figure 9	For maximum output.
2	Varactor Voltage Adjustment		600 kHz (UC, UQ) 603 kHz (SD, EK)	L205	TP1	Figure 10	Adjust to 2.0 ±0.1V.
			1400 kHz (UC, UQ) 1404 kHz (SD, EK)	VC203			Adjust to 6.5 ±0.1V.
3	Sensitivity Adjustment	600 kHz (UC, UQ) 603 kHz (SD, EK) 82 dBμ (400 Hz, 30%)	600 kHz (UC, UQ) 603 kHz (SD, EK)	L203	Output (L or R)	Figure 9	For maximum output. * Repeat a few times.
		1400 kHz (UC, UQ) 1404 kHz (SD, EK) 82 dBμ (400 Hz, 30%)	1400 kHz (UC, UQ) 1404 kHz (SD, EK)	VC203			

LW (SD Model Only)

(1) Connection

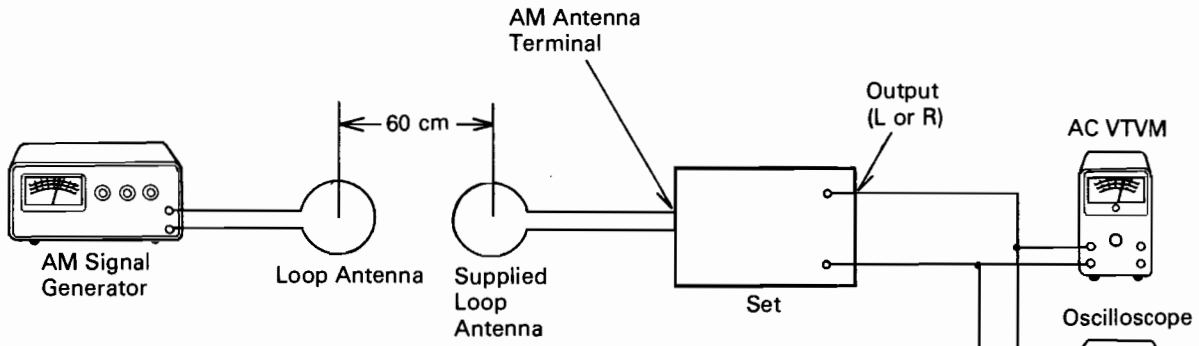


Figure 11

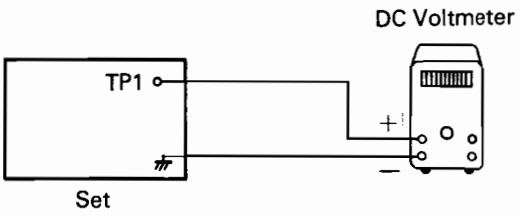


Figure 12

(2) Control Setting

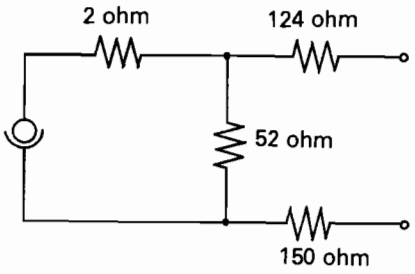
Power Switch . . . . . ON
Function Switch. . . . . LW
Others . . . . . OFF

(3) Procedures

Step	Description	Signal Generator	Dial Control	Adjust Points	Test Points	Connection	Remarks
1	Varactor Voltage Adjustment		182 kHz	L206	TP1	Figure 12	Adjust to DC 2.7 ±0.1V.
			263 kHz	VC204			Adjust to DC 5.0 ±0.1V.
2	Sensitivity Adjustment	182 kHz 94 dBμ (400 Hz, 30%)	182 kHz	L204	Output (L or R)	Figure 11	For maximum output. * Repeat a few times.
		281 kHz 94 dBμ (400 Hz, 30%)	263 kHz	VC204			

FM

(1) Dummy Antenna



50 ohm: 300 ohm

(2) Connection

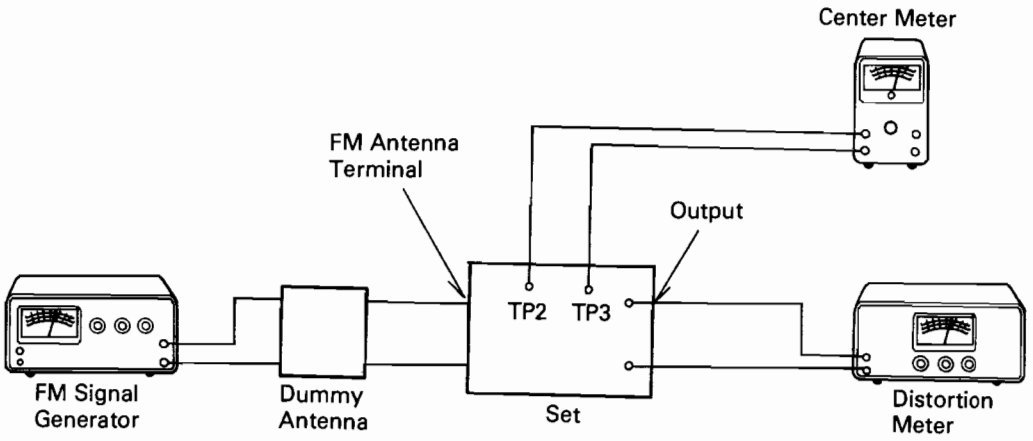


Figure 13

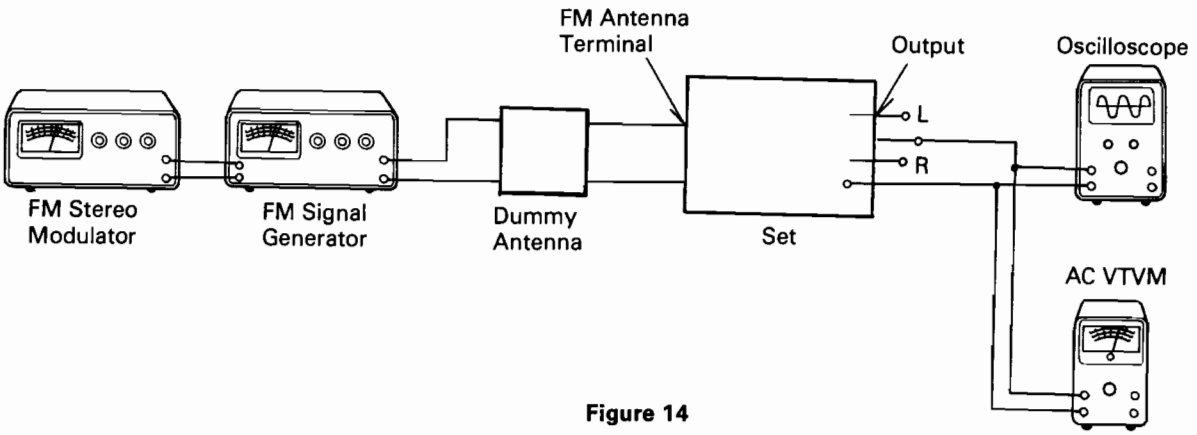


Figure 14

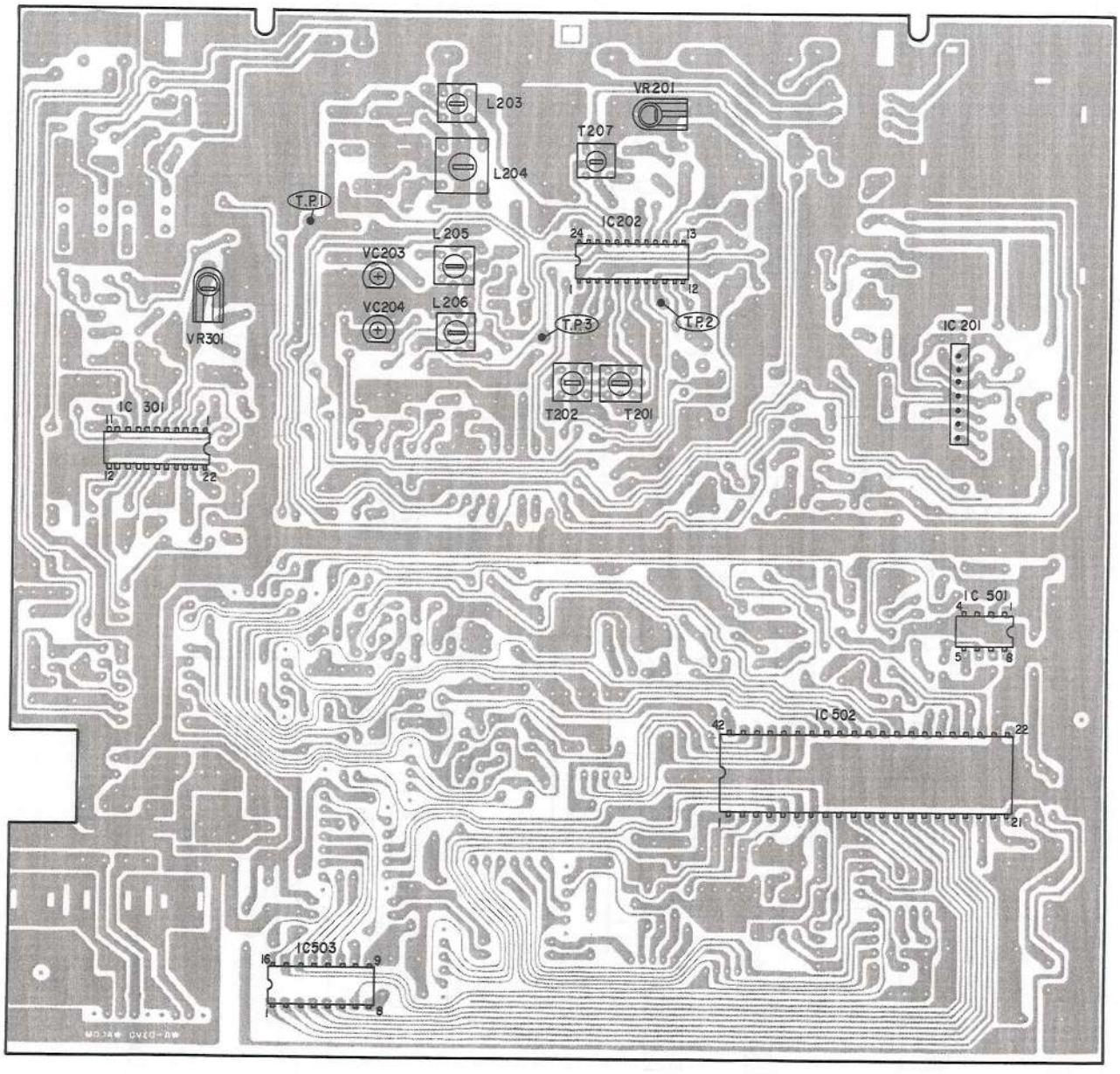
(3) Control Setting

Power Switch . . . . . ON
Function Switch. . . . . FM
Others Switch . . . . . OFF

(4) Procedures

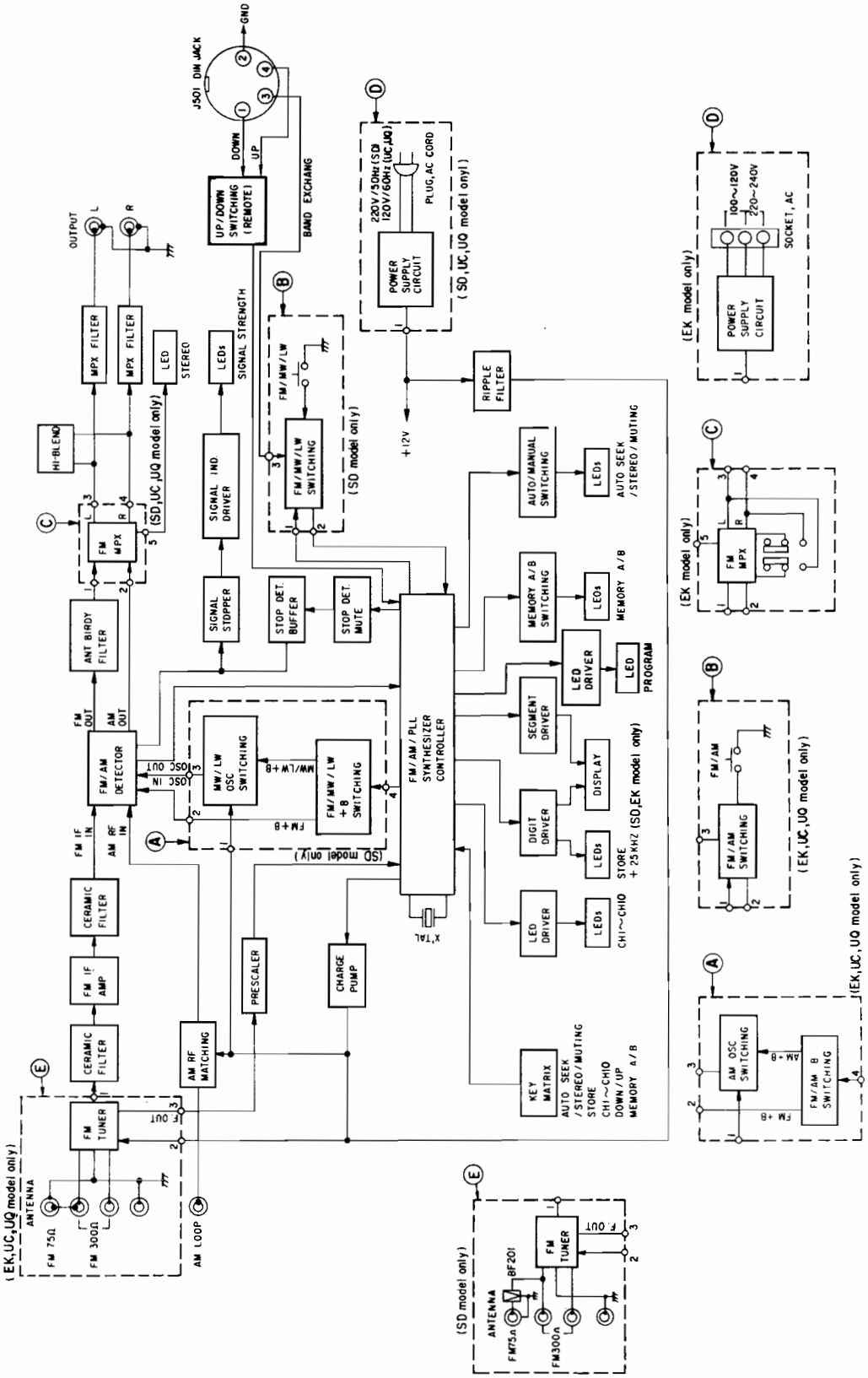
Step	Description	Signal Generator	Dial Control	Adjust Points	Test Points	Connection	Remarks
1	Center Meter Adjustment	98.1 MHz 60 dBμ Non Modulation (MONO)	98.1 MHz	T201	TP2 TP3	Figure 13	AUTO SEEK Switch: OFF POSITION Adjust the core T201 at the primary coil (side of IC101) so that the needle of center meter reads 0 (zero).
2	Distortion Adjustment	98.1 MHz 60 dBμ 1 kHz 75 kHz Deviation (MONO)	98.1 MHz	T202	Output	Figure 13	Adjust the core T202 at secondary coil to obtain the minimum distortion.
3	Repeat steps 1 and 2 to obtain best result.						
4	Muting Level Adjustment	98.1 MHz 15 dBμ 1 kHz 75 kHz Deviation (MONO)	98.1 MHz	VR201	Output	Figure 14	AUTO SEEK Switch : ON POSITION Adjust VR201 so that the signal can perfectly come out.
5	Separation Adjustment	98.1 MHz 60 dBμ L (R) Signal 1 kHz, 75 kHz Deviation (STEREO)	98.1 MHz	VR301	Output	Figure 14	Adjust to minimum R (L) channel output.

Adjustment Locations

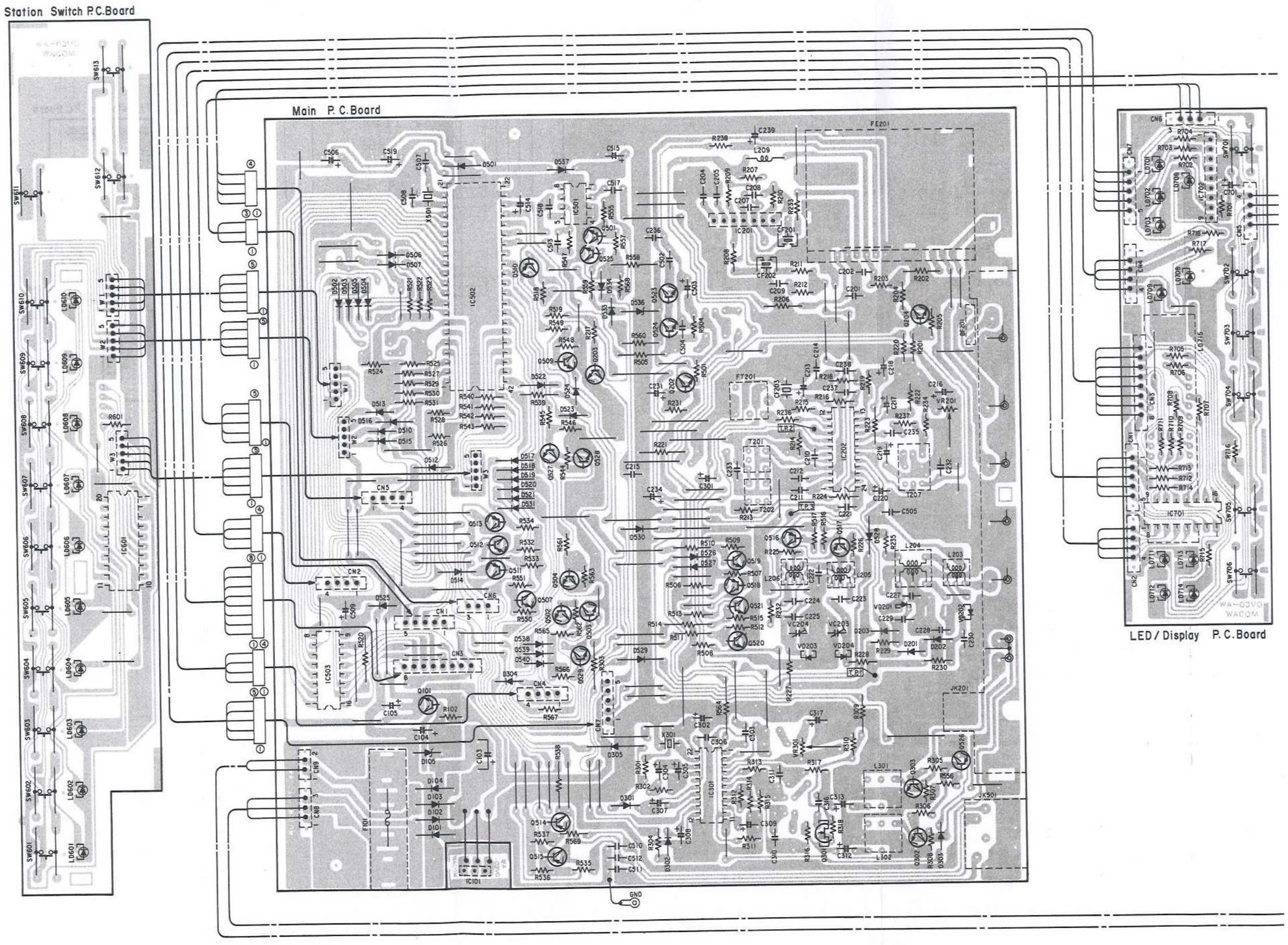


● **Main P.C. Board**

Block Diagram

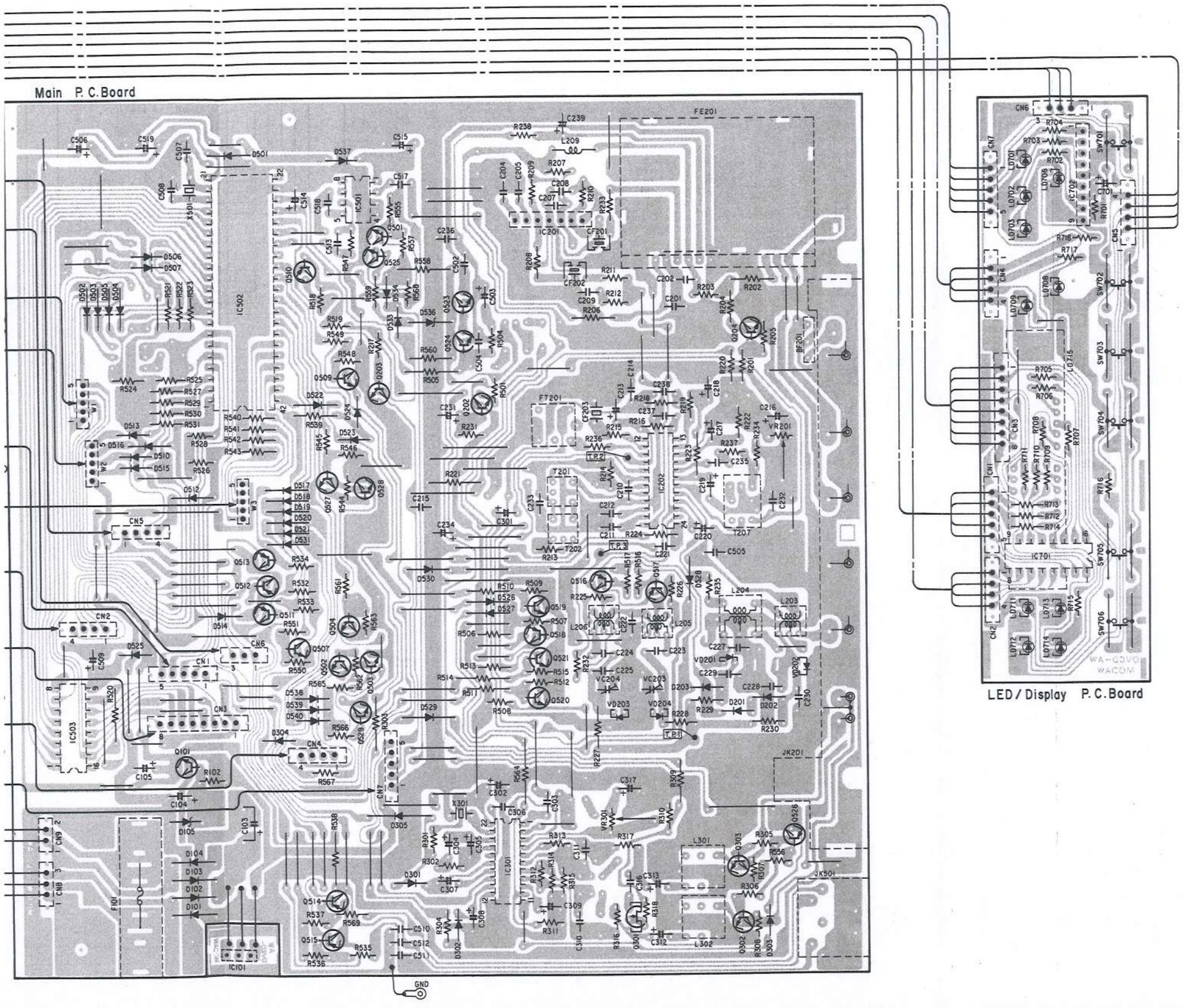


Parts Layout on P.C. Boards and Wiring Diagram T-111L only



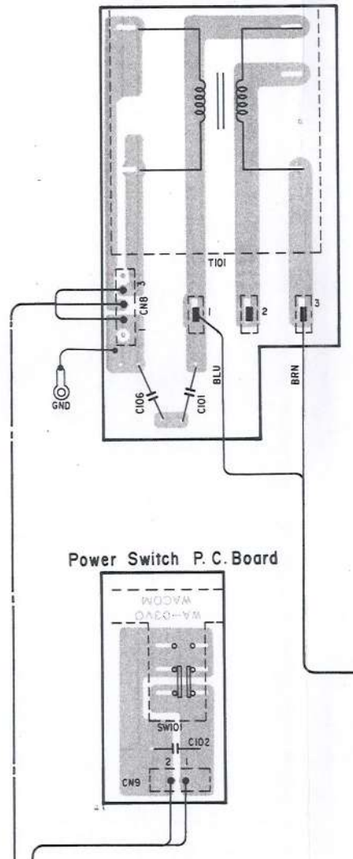
m **T-111L only**

Main P. C. Board



LED / Display P. C. Board

Power Transformer P.C.Board



Power Switch P. C. Board

Plug Cord

BLU	Blue
GRN	Green
BLK	Black
GRY	Gray
WHT	White
RED	Red
BRN	Brown
ORG	Orange
YEL	Yellow
PNK	Pink
VIO	Violet
GRN/WHT	Green/White
GRY/WHT	Gray/White
GRY/YEL	Gray/Yellow
GRN/YEL	Green/Yellow
SHLD	Shield

T-111/
T-111L

Parts Layout on P.C. Boards and Wiring Diagram T-111 only

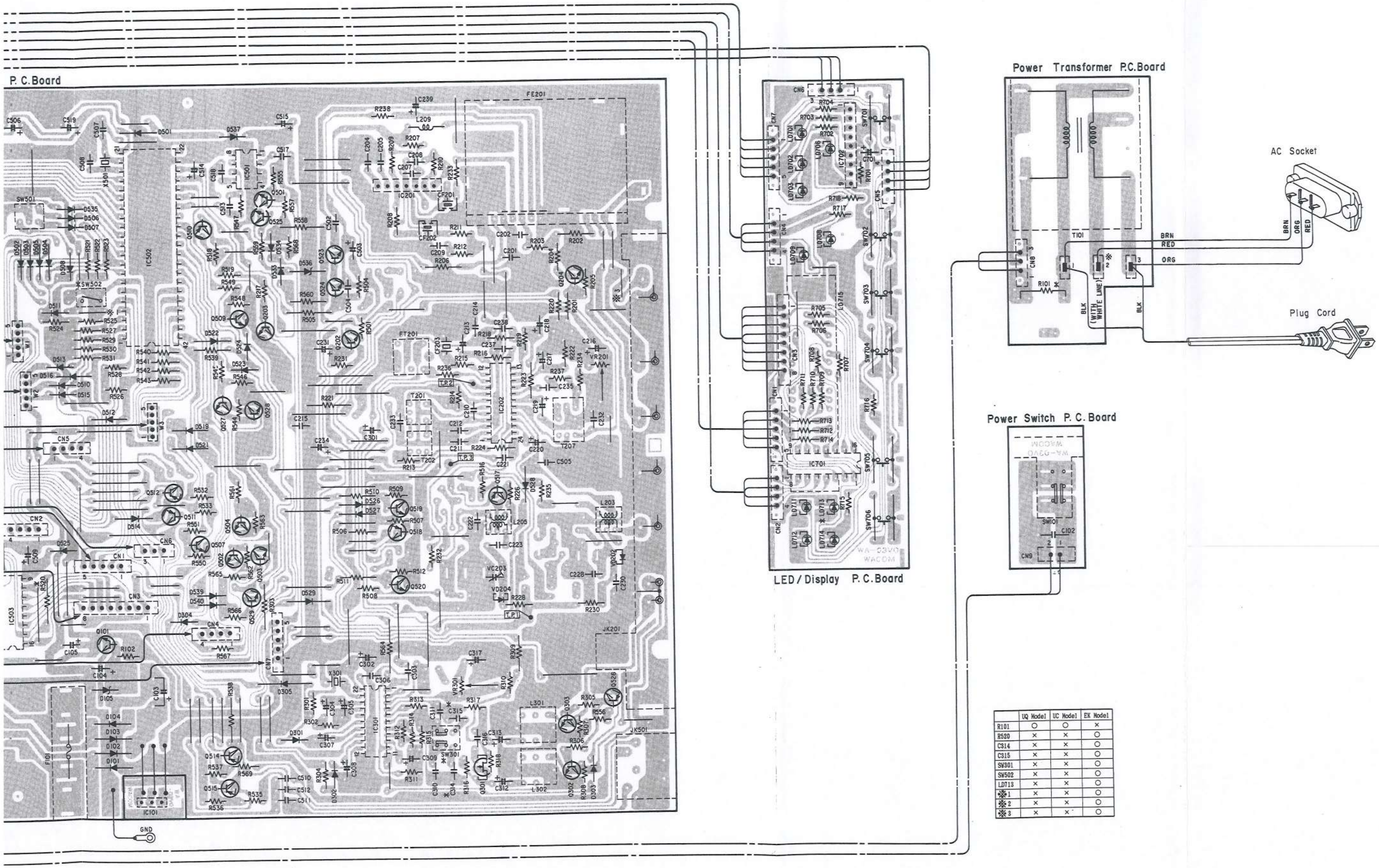
Station Switch P.C.Board

Main P. C. Board

LED / Display P. C. Board

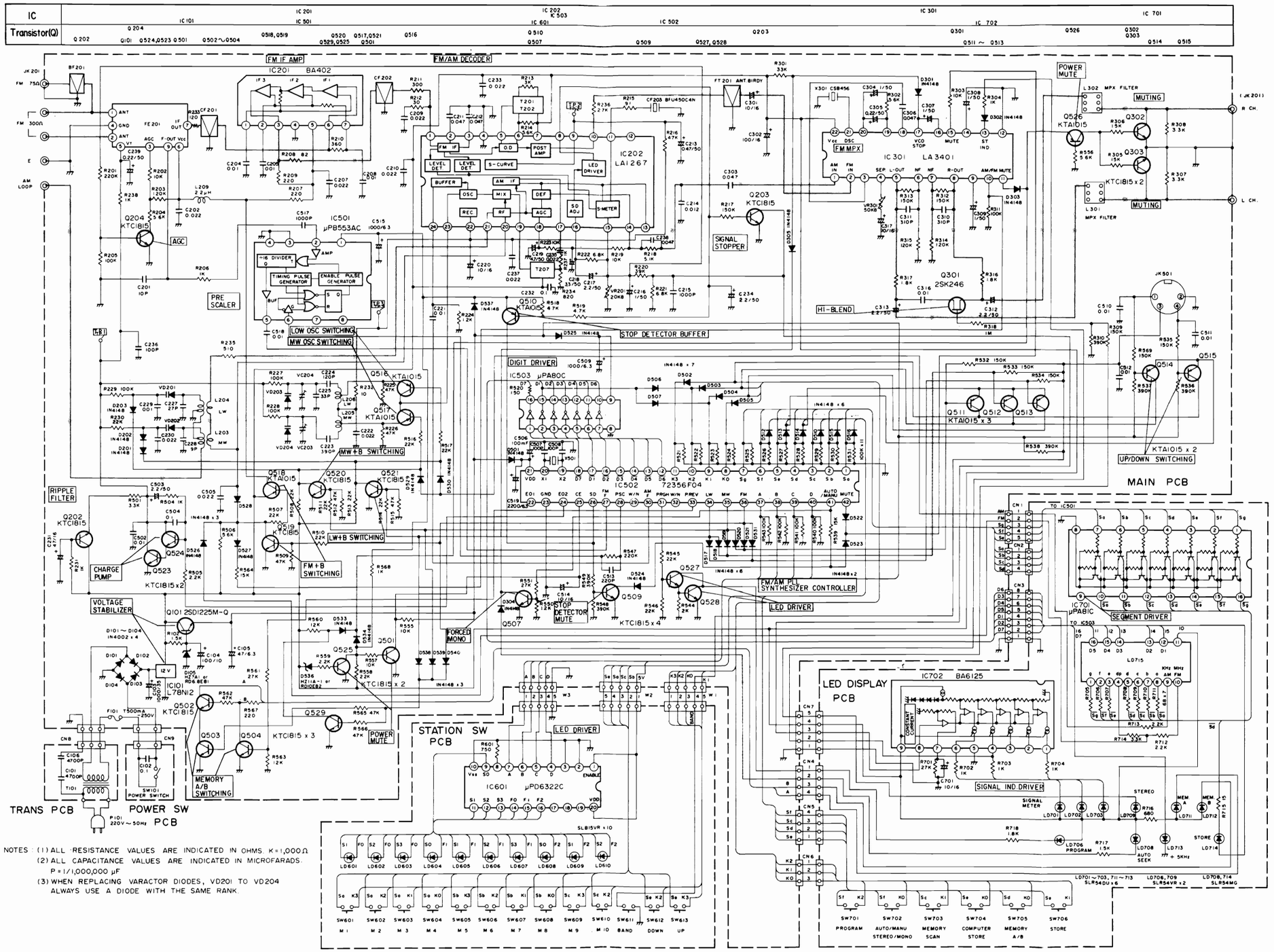
BLU ..... Blue
GRN ..... Green
BLK ..... Black
GRY ..... Gray
WHT ..... White
RED ..... Red
BRN ..... Brown
ORG ..... Orange
YEL ..... Yellow
PNK ..... Pink
VIO ..... Violet
GRN/WHT ..... Green/White
GRY/WHT ..... Gray/White
GRY/YEL ..... Gray/Yellow
GRN/YEL ..... Green/Yellow
SHLD ..... Shield

n T-111 only



	UQ Model	UC Model	EK Model
R101	○	○	×
R520	×	×	○
C314	×	×	○
C315	×	×	○
SW301	×	×	○
SW502	×	×	○
LD713	×	×	○
※1	×	×	○
※2	×	×	○
※3	×	×	○

Schematic Diagram T-111L only



NOTES : (1) ALL RESISTANCE VALUES ARE INDICATED IN OHMS. K=1,000Ω
(2) ALL CAPACITANCE VALUES ARE INDICATED IN MICROFARADS.
P=1/1,000,000 μF
(3) WHEN REPLACING VARACTOR DIODES, VD201 TO VD204 ALWAYS USE A DIODE WITH THE SAME RANK.

[Measuring Conditions]
- Power Supply Voltage: 220V AC
- Measuring Point: Between Ground
- NO Signal Input
- FM Position (87.5MHz)
- Memory A Position
- Auto Seek/Station Memory Switch: OFF

IC101

IN	20.5V
OUT	12V

IC201

1	2V
2	2V
3	9V
4	0V
5	9.6V
6	2V
7	2V

IC202

1	2.4V	13	1.1V
2	2.4V	14	1.5V
3	2.4V	15	0.2V
4	0V	16	0.2V
5	12V	17	2.4V
6	12V	18	1.4V
7	12V	19	12V
8	4.8V	20	0.5V
9	4V	21	0.5V
10	3.1V	22	3.5V
11	1.6V	23	2.8V
12	0V	24	1.2V

IC301

1	3.2V	12	0V
2	3.2V	13	5V
3	3.2V	14	5V
4	3.2V	15	0V
5	7V	16	2.8V
6	3.2V	17	7V
7	3.2V	18	4.5V
8	7V	19	2.8V
9	3.2V	20	5.2V
10	0V	21	1.8V
11	0V	22	12V

IC502

1	3.3V	15	4.5
2	2.6V	16	4.5
3	3.3V	17	4.5
4	2.6V	18	5.1
5	2V	19	2.3
6	3.3V	20	2.3
7	2.1V	21	5.1
8	0V	22	0.5
9	0.4V	23	0
10	0.4V	24	1.2
11	0V	25	5
12	4.5V	26	0
13	4.5V	27	2.4
14	4.5V	28	0.4

IC503

1	5.1V	9	5
2	4.5V	10	0.5
3	4.5V	11	0.5
4	4.5V	12	0.4
5	4.5V	13	0.4
6	4.5V	14	0.4
7	4.5V	15	0.4
8	0V	16	0

IC701

1	2.1V	9	0
2	3.3V	10	0.4
3	2V	11	1.1
4	2.6V	12	0.9
5	3.3V	13	1.3
6	2.6V	14	0.9
7	3.3V	15	0.4
8	0V	16	1

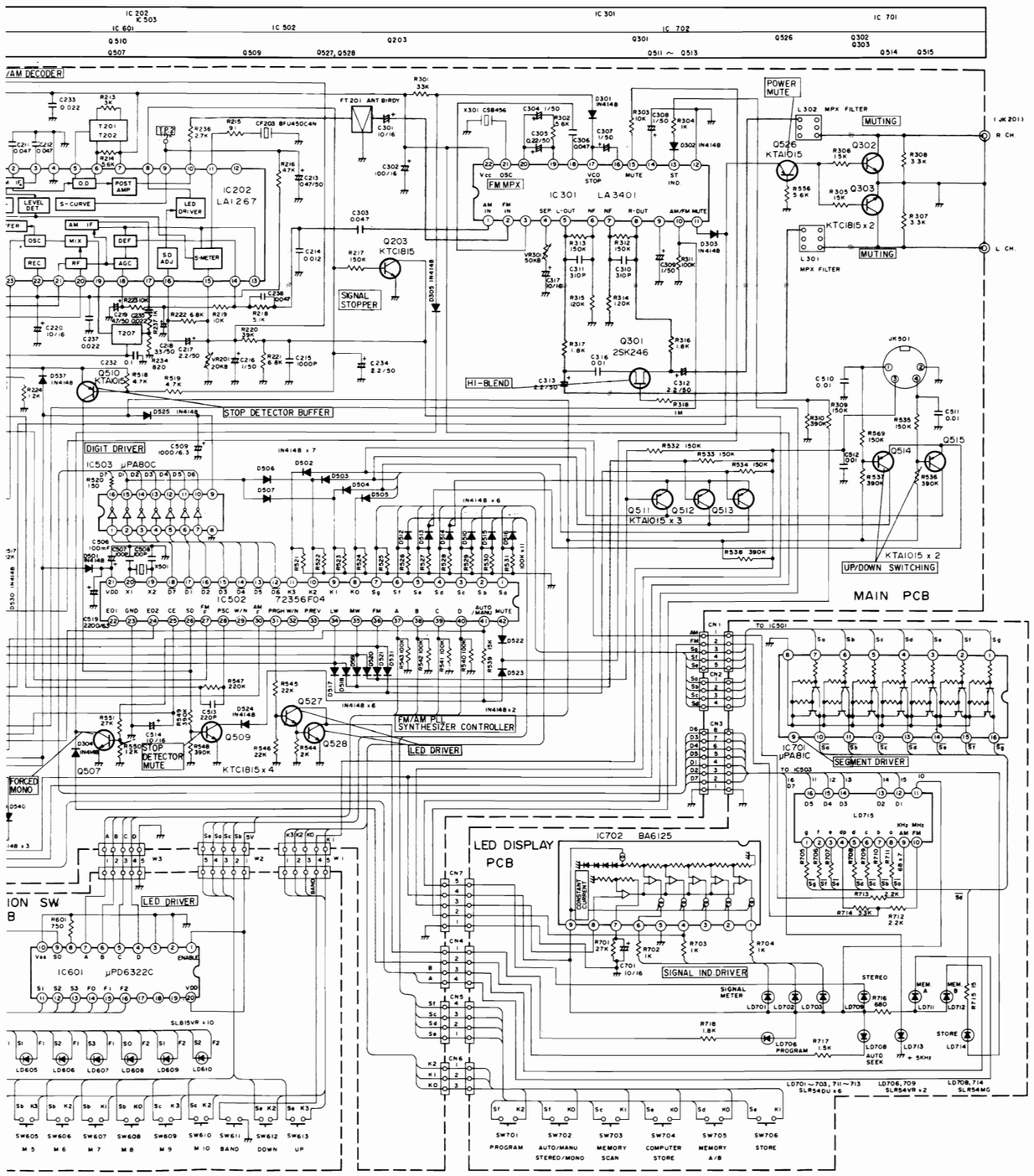
IC702

1	10.7V
2	0V
3	0V
4	10.8V
5	0V
8	10.7V
7	0V
8	0V
9	12V

IC501

1	5V
2	4.3V
3	0V
4	0V
5	3.7V
6	0.4V
7	0V
8	0V

	E	C	B
Q101	5.7V	12V	6.3V
Q202	11.4V	12V	12V
Q203	0V	0V	0.8V
Q204	0V	4.8V	0.1V
Q301	7V	7V	6.9V
Q302	0V	0V	0V
Q303	0V	0V	0V
Q501	0V	5V	0V
Q502	0.1V	2.6V	0.8V
Q503	0V	0.1V	0.7V
Q504	0V	3V	0V
Q507	0V	10.3V	0V
Q509	0V	0.1V	0V
Q510	5V	0V	4.9V
Q511	3.5V	0V	5.5V
Q512	3.5V	0V	5.5V
Q513	3.5V	0V	5.5V
Q514	3.2V	0V	5.5V
Q515	3.2V	0V	5.5V
Q516	3.9V	2.8V	11.9V
Q517	3.9V	2.8V	11.9V
Q518	12V	11.8V	11.9V
Q519	0V	0.1V	0.7V
Q520	0V	11.9V	0V
Q521	0V	11.9V	0V
Q523	0V	1.3V	0.7V
Q524	0.7V	1.3V	1.2V
Q525	0V	0V	0.7V
Q526	0V	0V	0V
Q527	0V	10.7V	0V
Q528	0V	10.7V	0V
Q529	0V	0V	0.7V



[Measuring Conditions]
- Power Supply Voltage: 220V AC
- Measuring Point: Between Ground
- NO Signal Input
- FM Position (87.5MHz)
- Memory A Position
- Auto Seek/Station Memory Switch: OFF

IC101

IN	20.5V
OUT	12V

IC201

1	2V
2	2V
3	9V
4	0V
5	9.6V
6	2V
7	2V

IC202

1	2.4V	13	1.1V
2	2.4V	14	1.5V
3	2.4V	15	0.2V
4	0V	16	0.2V
5	12V	17	2.4V
6	12V	18	1.4V
7	12V	19	12V
8	4.8V	20	0.6V
9	4V	21	0.6V
10	3.1V	22	3.9V
11	1.6V	23	2.8V
12	0V	24	1.2V

IC301

1	3.2V	12	0V
2	3.2V	13	10.5V
3	3.2V	14	5V
4	3.2V	15	0V
5	7V	16	2.8V
6	3.2V	17	7V
7	3.2V	18	4.3V
8	7V	19	2.8V
9	3.2V	20	5.2V
10	0V	21	1.8V
11	0V	22	12V

IC501

1	5V
2	4.3V
3	0V
4	0V
5	3.7V
6	0.4V
7	0V
8	0V

IC502

1	3.3V	15	4.5V	29	0V
2	2.6V	16	4.5V	30	5.1V
3	3.3V	17	4.5V	31	0V
4	2.6V	18	5.1V	32	0V
5	2V	19	2.5V	33	0V
6	3.5V	20	2.3V	34	0V
7	2.1V	21	5.1V	35	0V
8	0V	22	0.5V	36	4.7V
9	0.4V	23	0V	37	0V
10	0.4V	24	1.2V	38	0V
11	0V	25	5V	39	0V
12	4.5V	26	0V	40	0V
13	4.5V	27	2.4V	41	0V
14	4.5V	28	0.4V	42	0V

IC503

1	5.1V	9	5V
2	4.5V	10	0.5V
3	4.5V	11	0.5V
4	4.5V	12	0.4V
5	4.5V	13	0.4V
6	4.5V	14	0.4V
7	4.5V	15	0.4V
8	0V	16	0V

IC601

1	5.7V	11	4.1V
2	0V	12	4.1V
3	0V	13	4.1V
4	0V	14	5.3V
5	0V	15	0V
6	0V	16	0V
7	0V	17	0V
8	0V	18	0V
9	0V	19	0V
10	0V	20	5.7V

IC701

1	2.1V	9	0V
2	3.3V	10	0.4V
3	2V	11	1.1V
4	2.6V	12	0.9V
5	3.3V	13	1.3V
6	2.6V	14	0.9V
7	3.3V	15	0.4V
8	0V	16	1V

IC702

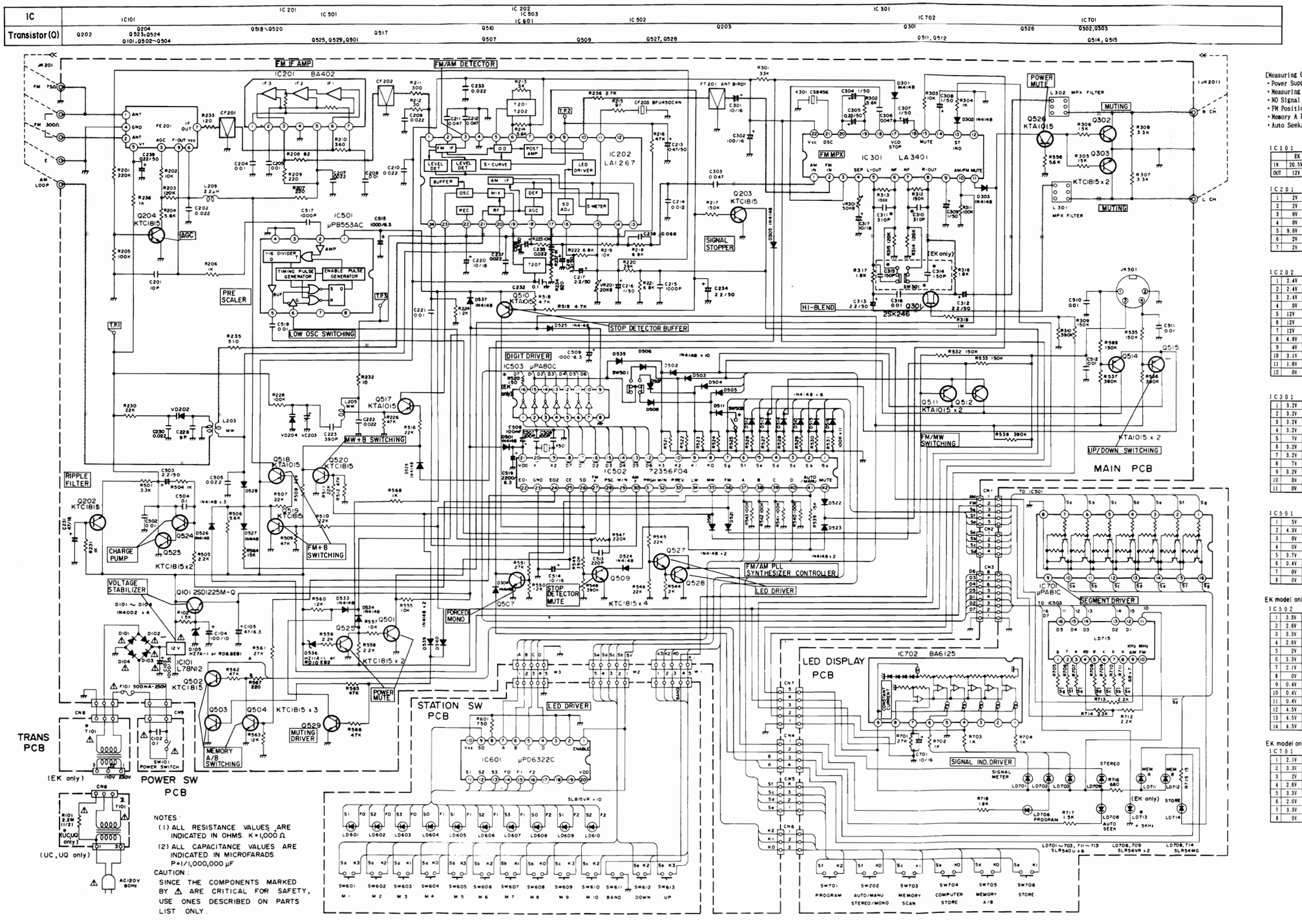
1	10.7V
2	0V
3	0V
4	10.6V
5	0V
6	10.7V
7	0V
8	0V
9	12V

	E	C	B
Q101	5.7V	12V	6.3V
Q202	11.4V	12V	12V
Q203	0V	0V	0.6V
Q204	0V	4.8V	0.1V
Q301	7V	7V	6.9V
Q302	0V	0V	0V
Q303	0V	0V	0V
Q501	0V	5V	0V
Q502	0.1V	2.8V	0.8V
Q503	0V	0.1V	0.7V
Q504	0V	9V	0V
Q507	0V	10.3V	0V
Q509	0V	0.1V	0V
Q510	5V	0V	4.9V
Q511	3.5V	0V	5.5V
Q512	3.5V	0V	5.5V
Q513	3.5V	0V	5.5V
Q514	3.2V	0V	5.5V
Q515	3.2V	0V	5.5V
Q516	3.9V	2.8V	11.9V
Q517	3.9V	2.8V	11.9V
Q518	12V	11.8V	11.3V
Q519	0V	0.1V	0.7V
Q520	0V	11.9V	0V
Q521	0V	11.9V	0V
Q523	* 0V	1.3V	0.7V
Q524	0.7V	1.3V	1.2V
Q525	0V	0V	0.7V
Q526	0V	0V	0V
Q527	0V	10.7V	0V
Q528	0V	10.7V	0V
Q529	0V	0V	0.7V

NOTES:
1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

T-111L

Schematic Diagram T-111 only



[Measuring Condit
• Power Supply Vc
• Measuring Point
• NO Signal Input
• FM Position (87
• Memory A Positi
• Auto Seek/Stati

IC101

	EK	UQ/
IN	20.5V	21.
OUT	12V	12

IC201

1	2V
2	2V
3	9V
4	0V
5	9.6V
6	2V
7	2V

IC202

1	2.4V	13	
2	2.4V	14	
3	2.4V	15	
4	0V	16	
5	12V	17	
6	12V	18	
7	12V	19	
8	4.8V	20	
9	4V	21	
10	3.1V	22	
11	1.8V	23	
12	0V	24	

IC301

1	3.2V	12	
2	3.2V	13	
3	3.2V	14	
4	3.2V	15	
5	7V	16	
6	3.2V	17	
7	3.2V	18	
8	7V	19	
9	3.2V	20	
10	0V	21	
11	0V	22	

IC501

1	5V		
2	4.3V		
3	0V		
4	0V		
5	3.7V		
6	0.4V		
7	0V		
8	0V		

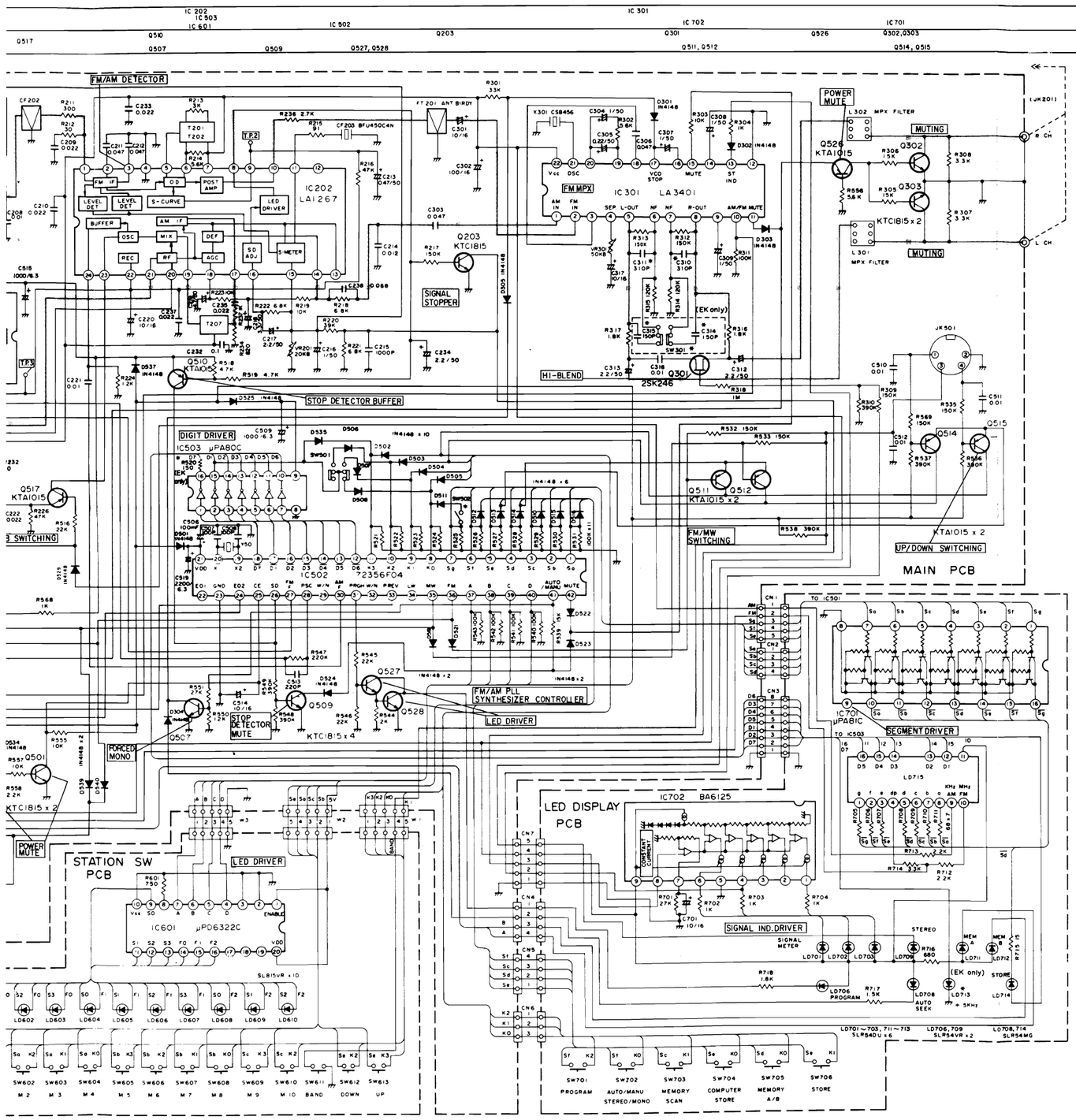
EK model only
IC502

1	3.3V	15	
2	2.6V	16	
3	3.3V	17	
4	2.6V	18	
5	2V	19	
6	3.3V	20	
7	2.1V	21	
8	0V	22	
9	0.4V	23	
10	0.4V	24	
11	0.4V	25	
12	4.5V	26	
13	4.5V	27	
14	4.5V	28	

EK model only
IC701

1	2.1V	9	
2	3.3V	10	
3	2V	11	
4	2.6V	12	
5	3.3V	13	
6	2.6V	14	
7	3.3V	15	
8	0V	16	

T-111



[Measuring Conditions]
- Power Supply Voltage: 220V AC
- Measuring Point: Between Ground
- NO Signal Input
- FM Position (87.5MHz)
- Memory A Position
- Auto Seek/Station Memory Switch: OFF

IC101

	EK	UQ/UC
IN	20.5V	21.5V
OUT	12V	12V

IC201

1	2V
2	2V
3	9V
4	0V
5	9.6V
6	2V
7	2V

IC202

1	2.4V	13	1.1V
2	2.4V	14	1.5V
3	2.4V	15	0.2V
4	0V	16	0.2V
5	12V	17	2.4V
6	12V	18	1.4V
7	12V	19	12V
8	4.8V	20	0.6V
9	4V	21	0.6V
10	3.1V	22	3.9V
11	1.6V	23	2.8V
12	0V	24	1.2V

IC301

1	3.2V	12	0V
2	3.2V	13	10.5V
3	3.2V	14	5V
4	3.2V	15	0V
5	7V	16	2.8V
6	3.2V	17	7V
7	3.2V	18	4.3V
8	7V	19	2.8V
9	3.2V	20	5.2V
10	0V	21	1.8V
11	0V	22	12V

IC501

1	5V
2	4.3V
3	0V
4	0V
5	3.7V
6	0.4V
7	0V
8	0V

EK model only
IC502

1	3.3V	15	4.5V	29	0V
2	2.6V	16	4.5V	30	5.1V
3	3.3V	17	4.5V	31	0V
4	2.6V	18	5.1V	32	0V
5	2V	19	2.3V	33	0V
6	3.3V	20	2.3V	34	0V
7	2.1V	21	5.1V	35	0V
8	0V	22	0.5V	36	4.7V
9	0.4V	23	0V	37	0V
10	0.4V	24	1.2V	38	0V
11	0.4V	25	5V	39	0V
12	4.5V	26	0V	40	0V
13	4.5V	27	2.4V	41	0V
14	4.5V	28	0.4V	42	0V

EK model only
IC701

1	2.1V	9	0V
2	3.3V	10	0.4V
3	2V	11	1.1V
4	2.6V	12	0.9V
5	3.3V	13	1.3V
6	2.6V	14	0.9V
7	3.3V	15	0.4V
8	0V	16	1V

IC503

1	5.1V	9	5V
2	4.5V	10	0.5V
3	4.5V	11	0.5V
4	4.5V	12	0.4V
5	4.5V	13	0.4V
6	4.5V	14	0.4V
7	4.5V	15	0.4V
8	0V	16	0V

IC501

1	5.7V	11	4.1V
2	0V	12	4.1V
3	0V	13	4.1V
4	0V	14	5.3V
5	0V	15	0V
6	0V	16	0V
7	0V	17	0V
8	0V	18	0V
9	0V	19	0V
10	0V	20	5.7V

IC702

1	10.7V
2	0V
3	0V
4	10.6V
5	0V
6	10.7V
7	0V
8	0V
9	12V

UQ/UC model only
IC502

1	2.6V	15	4.5V	29	0V
2	2.6V	16	4.5V	30	5.1V
3	2.6V	17	4.5V	31	0V
4	1.9V	18	5.1V	32	0V
5	1.2V	19	2.3V	33	0V
6	2.9V	20	2.3V	34	0V
7	2V	21	5.1V	35	0V
8	2.3V	22	0.5V	36	4.7V
9	0V	23	0V	37	0V
10	0V	24	1.2V	38	0V
11	0.5V	25	5V	39	0V
12	4.5V	26	0V	40	0V
13	4.5V	27	2.4V	41	0V
14	4.5V	28	0.2V	42	0V

UQ/UC model only
IC701

1	2.1V	9	0V
2	2.6V	10	0.7V
3	1.2V	11	1.2V
4	1.9V	12	1.2V
5	2.6V	13	1.7V
6	2.6V	14	1.3V
7	2.6V	15	0.7V
8	0V	16	1.2V

	E	C	B
Q101	5.7V	12V	6.3V
Q202	11.4V	12V	12V
Q203	0V	0V	0.6V
Q204	0V	4.8V	0.1V
Q301	7V	7V	6.9V
Q302	0V	0V	0V
Q303	0V	0V	0V
Q501	0V	5V	0V
Q502	0.1V	2.6V	0.8V
Q503	0V	0.1V	0.7V
Q504	0V	3V	0.7V
Q507	0V	10.3V	0V
Q509	0V	0.1V	0V
Q510	5V	0V	4.9V
Q511	3.4V	0V	5.5V
Q512	3.4V	0V	5.5V
Q514	3.1V	0V	5.5V
Q515	3.1V	0V	5.5V
Q517	3.9V	2.8V	11.9V
Q518	12V	11.9V	11.3V
Q519	0V	0.1V	0.7V
Q520	0V	11.9V	0V
Q523	0V	1.3V	0.7V
Q524	0.7V	1.3V	1.2V
Q525	0V	0V	0.7V
Q526	0V	0V	0V
Q527	0V	10.7V	0V
Q528	0V	10.7V	0V
Q529	0V	0V	0.7V

*

	For EK	For IC	For UQ
SW301	Used	Not Used	Not Used
SW502	Used	Shorted	Shorted
C310 C311	310P	470P	470P
C314 C315	Used	Not Used	Not Used
LD713	Used	Not Used	Not Used
T101	230V	120V	120V
R101	Not Used	2.2M 1/2w	2.2M 1/2w
R520	150ohm	Not Used	Not Used

NOTES:
1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. P = $\frac{1}{1,000,000}$

Electrical Parts List

Resistor : Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.
uF = microfarads, pF = picofarads

Abbreviations

RES. = Resistor	CAP. = Capacitor
C.F. = Carbon Film	ELY. = Electrolytic
M.F. = Metal Film	CER. = Ceramic
M.O. = Metal Oxide Film	MYL. = Mylar
M.P. = Metal Plate	TAN. = Tantalum
TR. = Transistor	POLY. = Polystyrol
TRANS. = Transformer	PP. = Polypropylene
CP. = Chip	PLT. = Polyethylene
	STR. = Styrene

	Symbol No.	Part No.	Description
	Main P. C. Board		
	IC's		
	IC101	51T56583F07	L78N12
	IC201	51T62863F01	BA402
	IC202	51T72218F01	LA1267
	IC301	51T72226F01	LA3401
	IC501	51T43271F01	μ PB553AC
	IC502	51E04786S01	72356F04 (μ PD1704C)
	IC503	51T63342F01	μ PA80C
	Transistors		
	Q101	48T63085F01	2SD1225M
	Q202	48E04784S01	KTC1815
	Q203	48E04784S01	KTC1815
	Q204	48E04784S01	KTC1815
	Q301	48T66948F01	2SK246
	Q302	48E04784S01	KTC1815
	Q303	48E04784S01	KTC1815
	Q501	48E04784S01	KTC1815
	Q502	48E04784S01	KTC1815
	Q503	48E04784S01	KTC1815
	Q504	48E04784S01	KTC1815
	Q507	48E04784S01	KTC1815
	Q509	48E04784S01	KTC1815
	Q510	48E04785S01	KTA1015
	Q511	48E04785S01	KTA1015
	Q512	48E04785S01	KTA1015
●	Q513	48E04785S01	KTA1015
	Q514	48E04785S01	KTA1015
	Q515	48E04785S01	KTA1015
●	Q516	48E04785S01	KTA1015
	Q517	48E04785S01	KTA1015
	Q518	48E04785S01	KTA1015
	Q519	48E04784S01	KTC1815
	Q520	48E04784S01	KTC1815
●	Q521	48E04784S01	KTC1815
	Q523	48E04784S01	KTC1815
	Q524	48E04784S01	KTC1815
	Q525	48E04784S01	KTC1815
	Q526	48E04785S01	KTA1015
	Q527	48E04784S01	KTC1815
	Q528	48E04784S01	KTC1815
	Q529	48E04784S01	KTC1815
	Diodes		
	D101	48S40477U02	Silicon IN4002
	D102	48S40477U02	Silicon IN4002
	D103	48S40477U02	Silicon IN4002
	D104	48S40477U02	Silicon IN4002
	D105	48E04787S01	Zener HZ7A1
●	D201	48E04616S01	Silicon IN4148
●	D202	48E04616S01	Silicon IN4148
●	D203	48E04616S01	Silicon IN4148
	D301	48E04616S01	Silicon IN4148
	D302	48E04616S01	Silicon IN4148
	D303	48E04616S01	Silicon IN4148
	D304	48E04616S01	Silicon IN4148
	D305	48E04616S01	Silicon IN4148
	D501	48E04616S01	Silicon IN4148
	D502	48E04616S01	Silicon IN4148
	D503	48E04616S01	Silicon IN4148
	D504	48E04616S01	Silicon IN4148
	D505	48E04616S01	Silicon IN4148
	D506	48E04616S01	Silicon IN4148
	D507	48E04616S01	Silicon IN4148
○	D508	48E04616S01	Silicon IN4148
△	D508	48E04616S01	Silicon IN4148
□	D508	48E04616S01	Silicon IN4148
	D510	48E04616S01	Silicon IN4148
○	D511	48E04616S01	Silicon IN4148
△	D511	48E04616S01	Silicon IN4148
□	D511	48E04616S01	Silicon IN4148
	D512	48E04616S01	Silicon IN4148
	D513	48E04616S01	Silicon IN4148
	D514	48E04616S01	Silicon IN4148
	D515	48E04616S01	Silicon IN4148
	D516	48E04616S01	Silicon IN4148
●	D517	48E04616S01	Silicon IN4148
●	D518	48E04616S01	Silicon IN4148
	D519	48E04616S01	Silicon IN4148

Notes : ● : For West Germany model only (SD : T-111L), □ : For General European model only (EK : T-111),
△ : For Canadian model only (UQ : T-111), ○ : For USA model only (UC : T-111), Others : Common.

Symbol No.	Part No.	Description		
● D520	48E04616S01	Silicon IN4148		
D521	48E04616S01	Silicon IN4148		
D522	48E04616S01	Silicon IN4148		
D523	48E04616S01	Silicon IN4148		
D524	48E04616S01	Silicon IN4148		
D525	48E04616S01	Silicon IN4148		
D526	48E04616S01	Silicon IN4148		
D527	48E04616S01	Silicon IN4148		
D528	48E04616S01	Silicon IN4148		
D529	48E04616S01	Silicon IN4148		
● D530	48E04616S01	Silicon IN4148		
● D531	48E04616S01	Silicon IN4148		
D533	48E04616S01	Silicon IN4148		
D534	48E04616S01	Silicon IN4148		
○ D535	48E04616S01	Silicon IN4148		
△ D535	48E04616S01	Silicon IN4148		
□ D535	48E04616S01	Silicon IN4148		
D536	48T52739F61	Zener HZ11A1		
D537	48E04616S01	Silicon IN4148		
● D538	48E04616S01	Silicon IN4148		
D539	48E04616S01	Silicon IN4148		
D540	48E04616S01	Silicon IN4148		
● VD201	48E04711S01	Varicap		
VD202	48E04711S01	Varicap		
● VD203	48E04711S01	Varicap		
VD204	48E04711S01	Varicap		
Coils/Inductor				
L203	24E04712S01	MW ANT		
● L204	24E04713S01	LW ANT		
L205	24E04714S01	MW OSC		
● L206	24E04715S01	LW OSC		
L209	24E04716S01	Inductor 2.2 μH		
L301	91E04717S01	MPX Filter		
L302	91E04717S01	MPX Filter		
Transformers				
T201	24E04718S01	IFT 10.7		
T202	24E04719S01	IFT 10.7		
T207	91E04720S01	CER., Filter 450		

Symbol No.	Part No.	Description		
Switches				
□ SW301	40E04721S01	Slide		
○ SW501	40E04721S01	Slide		
△ SW501	40E04721S01	Slide		
□ SW501	40E04721S01	Slide		
□ SW502	40E04722S01	Slide		
Crystals				
X301	48E04723S01	Resonator 19kHz OSC		
X501	48E04724S01	Crystal 4.5MHz		
Jacks				
● JK201	09E04725S01	Terminal Board (Pal/Ant/Output)		
□ JK201	09E04725S01	Terminal Board (Pal/Ant/Output)		
○ JK201	09E04726S01	Terminal Board (Pal/Ant/Output)		
△ JK201	09E04726S01	Terminal Board (Pal/Ant/Output)		
JK501	09E04727S01	DIN		
Filters				
● BF201	91E04728S01	BPF		
CF201	91E04729S01	CER., 10.7		
CF202	91E04729S01	CER., 10.7		
CF203	91E04730S01	CER., 450		
Capacitors				
C103	23E04731S01	ELY., 1000 μF/35V		
C104	23E04732S01	ELY., 100 μF/10V		
C105	23E04733S01	ELY., 47 μF/6.3V		
C201	21E04734S01	CER., 10pF		
C202	21E04637S01	CER., 0.022 μF		
C204	21E04637S03	CER., 0.01 μF		
C205	21E04637S03	CER., 0.01 μF		
C207	21E04637S01	CER., 0.022 μF		
C208	21E04637S03	CER., 0.01 μF		
C209	21E04637S01	CER., 0.022 μF		
C210	21E04637S01	CER., 0.022 μF		
C211	21E04637S02	CER., 0.047 μF		
C212	21E04637S02	CER., 0.047 μF		
C213	23E04624S02	ELY., 0.47 μF/50V		
C214	08E04735S01	MYL., 0.012 μF		

Notes : ● : For West Germany model only (SD : T-111L), □ : For General European model only (EK : T-111),
△ : For Canadian model only (UQ : T-111), ○ : For USA model only (UC : T-111), Others : Common.

	Symbol No.	Part No.	Description
	C215	21E04632S03	CER., 1000pF
	C216	23E04624S04	ELY., 1 μ F/50V
	C217	23E04624S01	ELY., 2.2 μ F/50V
	C218	23E04624S05	ELY., 3.3 μ F/50V
	C219	23E04624S06	ELY., 4.7 μ F/50V
	C220	23E04625S02	ELY., 10 μ F/16V
	C221	21E04637S03	CER., 0.01 μ F
	C222	21E04637S01	CER., 0.022 μ F
	C223	08E04656S02	STR., 390pF
●	C224	08E04656S03	STR., 120pF
●	C225	21E04736S01	CER., 33pF
●	C227	21E04736S02	CER., 27pF
	C228	21E04736S03	CER., 9pF
●	C229	21E04637S03	CER., 0.01 μ F
	C230	21E04637S01	CER., 0.022 μ F
	C231	23E04625S01	ELY., 47 μ F/16V
	C232	21E04738S01	CER., 0.1 μ F
	C233	21E04637S01	CER., 0.022 μ F
	C234	23E04624S01	ELY., 2.2 μ F/50V
	C235	21E04637S01	CER., 0.022 μ F
●	C236	21E04632S04	CER., 100pF
	C237	21E04637S01	CER., 0.022 μ F
●	C238	08E04735S02	MYL., 0.047 μ F
□	C238	08E04735S03	MYL., 0.068 μ F
○	C238	08E04735S03	MYL., 0.068 μ F
△	C238	08E04735S03	MYL., 0.068 μ F
	C239	23E04739S01	ELY., 0.22 μ F/50V
	C301	23E04625S02	ELY., 10 μ F/16V
	C302	23E04625S05	ELY., 100 μ F/16V
	C303	08E04735S02	MYL., 0.047 μ F
	C304	23E04624S04	ELY., 1 μ F/50V
	C305	23E04739S01	ELY., RBLL 0.22 μ F/50V
	C306	21E04637S02	CER., 0.047 μ F
	C307	23E04624S04	ELY., 1 μ F/50V
	C308	23E04624S04	ELY., 1 μ F/50V
	C309	23E04624S04	ELY., 1 μ F/50V
●	C310	08E04656S04	STR., 310pF
□	C310	08E04656S04	STR., 310pF
○	C310	08E04656S05	STR., 470pF
△	C310	08E04656S05	STR., 470pF
●	C311	08E04656S04	STR., 310pF
□	C311	08E04656S04	STR., 310pF
△	C311	08E04656S05	STR., 470pF
○	C311	08E04656S05	STR., 470pF
	C312	23E04624S01	ELY., 2.2 μ F/50V
	C313	23E04624S01	ELY., 2.2 μ F/50V
□	C314	08E04656S08	STR., 150pF
□	C315	08E04656S08	STR., 150pF
	C316	21E04637S03	CER., 0.01 μ F
	C317	23E04625S02	ELY., 10 μ F/16V

	Symbol No.	Part No.	Description
	C502	21E04637S03	CER., 0.01 μ F
	C503	23E04624S01	ELY., 2.2 μ F/50V
	C504	21E04738S01	CER., 0.1 μ F
	C505	21E04637S01	CER., 0.022 μ F
	C506	23E04740S01	ELY., 100mF/5.5V
	C507	21E04736S04	CER., 100pF
	C508	21E04736S04	CER., 100pF
	C509	23E04733S02	ELY., 1000 μ F/6.3V
	C510	21E04637S03	CER., 0.01 μ F
	C511	21E04637S03	CER., 0.01 μ F
	C512	21E04637S03	CER., 0.01 μ F
	C513	21E04736S05	CER., 220pF
	C514	23E04625S02	ELY., 10 μ F/16V
	C515	23E04733S02	ELY., 1000 μ F/6.3V
	C517	21E04632S03	CER., 1000pF
	C518	21E04637S03	CER., 0.01 μ F
	C519	23E04741S01	ELY., 2200 μ F/6.3V

Resistors

VR201	18E04742S01	Semi Fixed Volume 20KB
VR301	18E04743S01	Semi Fixed Volume 50KB

Miscellaneous

●	F101	65E04744S01	Fuse 250V 500mA
□	F101	65E04744S01	Fuse 250V 500mA
△	F101	65E04645S01	Fuse 250V 500mA
○	F101	65E04645S01	Fuse 250V 500mA
●	FE201	77E04745S01	Tuner ASSY., Front End
○	FE201	77E04746S01	Tuner ASSY., Front End
△	FE201	77E04746S01	Tuner ASSY., Front End
□	FE201	77E04746S01	Tuner ASSY., Front End
	FT201	91E04747S01	Filter ANT BIRDY
	VC203	20E04748S01	Trimmer
●	VC204	20E04748S01	Trimmer

LED Display P. C. Board

IC's

IC701	51T63966F01	μ PA81C
IC702	51T51086F01	BA6125

Notes : ● : For West Germany model only (SD : T-111L), □ : For General European model only (EK : T-111),
△ : For Canadian model only (UQ : T-111), ○ : For USA model only (UC : T-111), Others : Common.

Symbol No.	Part No.	Description		
LEDs				
LD701	48E04749S01	SLR-54DU3F (Amber)		
LD702	48E04749S01	SLR-54DU3F (Amber)		
LD703	48E04749S01	SLR-54DU3F (Amber)		
LD706	48E04750S01	SLR-54VR3 (Red)		
LD708	48E04751S01	SLR-54MG3F (Green)		
LD709	48E04750S01	SLR-54VR3 (Red)		
LD711	48E04749S01	SLR-54DU3F (Amber)		
LD712	48E04749S01	SLR-54DU3F (Amber)		
● LD713	48E04749S01	SLR-54DU3F (Amber)		
□ LD713	48E04749S01	SLR-54DU3F (Amber)		
LD714	48E04751S01	SLR-54MG3F (Green)		
LD715	48E04752S01	LED Module ASSY., (Red)		
Switches				
SW701	40E04753S01	Key		
SW702	40E04753S01	Key		
SW703	40E04753S01	Key		
SW704	40E04753S01	Key		
SW705	40E04753S01	Key		
SW706	40E04753S01	Key		
Capacitors				
C701	23E04754S01	ELY., 10 μ F/16V		
Station Switch P. C. Board				
IC				
IC601	51T68733F01	μ PD6322C		
LEDs				
LD601	48E04755F01	SLB15VR (Red)		
LD602	48E04755F01	SLB15VR (Red)		
LD603	48E04755F01	SLB15VR (Red)		
LD604	48E04755F01	SLB15VR (Red)		
LD605	48E04755F01	SLB15VR (Red)		

Symbol No.	Part No.	Description		
LD606	48E04755F01	SLB15VR (Red)		
LD607	48E04755F01	SLB15VR (Red)		
LD608	48E04755F01	SLB15VR (Red)		
LD609	48E04755F01	SLB15VR (Red)		
LD610	48E04755F01	SLB15VR (Red)		
	07E04756S01	Holder For LED		
Switches				
SW601	40E04753S01	Key		
SW602	40E04753S01	Key		
SW603	40E04753S01	Key		
SW604	40E04753S01	Key		
SW605	40E04753S01	Key		
SW606	40E04753S01	Key		
SW607	40E04753S01	Key		
SW608	40E04753S01	Key		
SW609	40E04753S01	Key		
SW610	40E04753S01	Key		
SW611	40E04753S01	Key		
SW612	40E04753S01	Key		
SW613	40E04753S01	Key		
Transformer P. C. Board				
Capacitors/Resistors/Transformers				
● C101	08E04663S02	Line CAP., 4700pF		
● C106	08E04663S02	Line CAP., 4700pF		
○ R101	06E04641S02	Carbon RES., 2.2M ohm 1/2W		
△ R101	06E04641S02	Carbon RES., 2.2M ohm 1/2W		
□ T101	25E04757S01	Power Transformer 230V		
△ T101	25E04757S02	Power Transformer 120V		
○ T101	25E04757S02	Power Transformer 120V		
● T101	25E04757S03	Power Transformer 220V		
Power Switch P. C. Board				
Capacitor/Switch				
C102	08E04759S01	PP., CAP., 0.1 μ F		
SW101	40E04760S01	Push Switch		

Notes : ● : For West Germany model only (SD : T-111L), □ : For General European model only (EK : T-111),
△ : For Canadian model only (UQ : T-111), ○ : For USA model only (UC : T-111), Others : Common.

Parts List by the Destination

Symbol No.	Description	POWER SOURCE			
		T-111L	T-111		
		SD● 220V	EK□ 220V	UQ△ 120V	UC○ 120V
Q513	Transistor	48E04785S01	Not Used	Not Used	Not Used
Q516	Transistor	48E04785S01	Not Used	Not Used	Not Used
Q521	Transistor	48E04784S01	Not Used	Not Used	Not Used
D201	Diode	48E04616S01	Not Used	Not Used	Not Used
D202	Diode	48E04616S01	Not Used	Not Used	Not Used
D203	Diode	48E04616S01	Not Used	Not Used	Not Used
D508	Diode	Not Used	48E04616S01	48E04616S01	48E04616S01
D511	Diode	Not Used	48E04616S01	48E04616S01	48E04616S01
D517	Diode	48E04616S01	Not Used	Not Used	Not Used
D518	Diode	48E04616S01	Not Used	Not Used	Not Used
D520	Diode	48E04616S01	Not Used	Not Used	Not Used
D530	Diode	48E04616S01	Not Used	Not Used	Not Used
D531	Diode	48E04616S01	Not Used	Not Used	Not Used
D535	Diode	Not Used	48E04616S01	48E04616S01	48E04616S01
D538	Diode	48E04616S01	Not Used	Not Used	Not Used
VD201	Varicap Diode	48E04711S01	Not Used	Not Used	Not Used
VD203	Varicap Diode	48E04711S01	Not Used	Not Used	Not Used
LD713	LED	48E04749S01	48E04749S01	Not Used	Not Used
L204	Inductor	24E04713S01	Not Used	Not Used	Not Used
L206	Inductor	24E04715S01	Not Used	Not Used	Not Used
T101	Transformer	25E04757S03	25E04757S01	25E04757S02	25E04757S02
SW301	Switch	Not Used	40E04721S01	Not Used	Not Used
SW501	Switch	Not Used	40E04721S01	40E04721S01	40E04721S01
SW502	Switch	Not Used	40E04722S01	Not Used	Not Used
JK201	Terminal Board	09E04725S01	09E04725S01	09E04726S01	09E04726S01
F101	Fuse	65E04744S01	65E04744S01	65E04645S01	65E04645S01
FE201	Tuner Assy	77E04745S01	77E04746S01	77E04746S01	77E04746S01
C101	Capacitor	08E04663S02	Not Used	Not Used	Not Used
C106	Capacitor	08E04663S02	Not Used	Not Used	Not Used
C224	Capacitor	08E04656S03	Not Used	Not Used	Not Used
C225	Capacitor	21E04736S01	Not Used	Not Used	Not Used
C227	Capacitor	21E04736S02	Not Used	Not Used	Not Used
C229	Capacitor	21E04737S01	Not Used	Not Used	Not Used
C236	Capacitor	21E04632S04	Not Used	Not Used	Not Used
C238	Capacitor	08E04735S02	08E04735S03	08E04735S03	08E04735S03
C310	Capacitor	08E04656S04	08E04656S04	08E04656S05	08E04656S05
C311	Capacitor	08E04656S04	08E04656S04	08E04656S05	08E04656S05
C314	Capacitor	Not Used	08E04656S08	Not Used	Not Used
C315	Capacitor	Not Used	08E04656S08	Not Used	Not Used
VC204	Trimmer	20E04748S01	Not Used	Not Used	Not Used
R101	RES.	Not Used	Not Used	06E04641S02	06E04641S02
BF201	Filter	91E04728S01	Not Used	Not Used	Not Used
2	Front Panel	64E04762S02	64E04762S01	64E04762S01	64E04762S01
9	Window	61E04768S01	61E04768S01	61E04768S02	61E04768S02
15	Back Panel	15E04770S03	15E04770S01	15E04770S02	15E04770S02
16	Lug, Back Panel−P.C.B.	29E04683S01	29E04683S01	Not Used	Not Used
17	AC Cord	28E04687S01	Not Used	28E04772S01	28E04772S01
18	Cord Bushing	43E04688S01	Not Used	43E04688S02	43E04688S02
21	Socket	Not Used	09E04774S01	Not Used	Not Used
29	Taptite Screw	Not Used	03E04775S01	Not Used	Not Used
34	Taptite Screw	03E04704S04	Not Used	Not Used	Not Used
101	Packing Carton	56E04779S02	56E04779S01	56E04779S01	56E04779S01
108	Owner's Manual	68P94789F04	68P94789F04	68P94789F04	68P94789F05
109	Card	Not Used	Not Used	Not Used	68R57674F01
110	Warranty Card	Not Used	Not Used	68P44370P63	68P44370P66
118	AC Cord	Not Used	28E04771S01	Not Used	Not Used

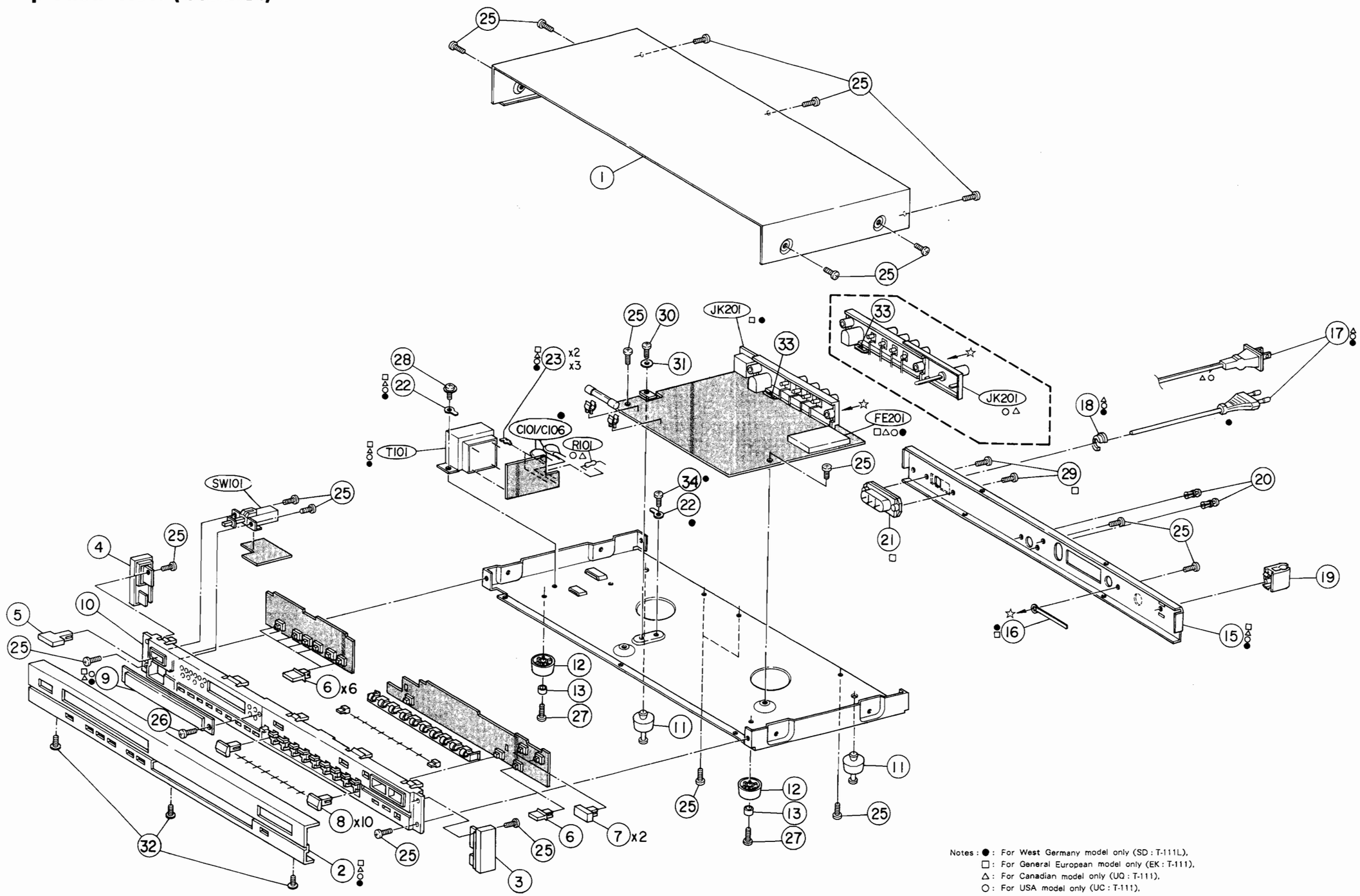
Cabinet Assembly Parts List

Symbol No.		Index	Part No.	Description		
	1	2-D	15E04761S01	Cabinet, Top		
○	2	6-B	64E04762S01	Panel, Front		
△	2	6-B	64E04762S01	Panel, Front		
□	2	6-B	64E04762S01	Panel, Front		
●	2	6-B	64E04762S02	Panel, Front		
	3	6-C	64E04763S01	Cap, End, R		
	4	4-A	64E04763S02	Cap, End, L		
	5	4-A	36E04764S01	Knob 50, Power		
	6		36E04765S01	Knob 50, Program		
	7	5-D	36E04766S01	Knob 50, Tuning		
	8	5-B	36E04767S01	Knob 50, Memo (1-10)		
□	9	5-A	61E04768S01	Window, Display		
●	9	5-A	61E04768S01	Window, Display		
○	9	5-A	61E04768S02	Window, Display		
△	9	5-A	61E04768S02	Window, Display		
	10	4-A	07E04769S01	Backboard, Dial		
	11		75E04678S01	Foot, Back		
	12		75E04679S01	Foot, Front		
	13		43E04684S01	Spacer, Small		
□	15	4-H	15E04770S01	Panel, Back		
○	15	4-H	15E04770S02	Panel, Back		
△	15	4-H	15E04770S02	Panel, Back		
●	15	4-H	15E04770S03	Panel, Back		
●	16	4-F	29E04683S01	Lug, Back Panel-P.C.B.		
□	16	4-F	29E04683S01	Lug, Back Panel-P.C.B.		
●	17	3-H	28E04687S01	Cord, AC		
○	17	3-H	28E04772S01	Cord, AC		
△	17	3-H	28E04772S01	Cord, AC		
●	18	3-G	43E04688S01	Bushing Cord		
○	18	3-G	43E04688S02	Bushing Cord		
△	18	3-G	43E04688S02	Bushing Cord		
	19	4-H	07E04773S01	Holder, Back Panel		
	20	3-H	05E04709S01	Rivet, Nylon, 3 × 4.5		
□	21	4-F	09E04774S01	Socket, AC Connector		
	22		29E04693S01	Lug		
	23	3-D	29E04758S01	Pin Terminal		
	25		03E04701S01	Screw, Taptite, 3 × 8		
	26	5-A	03E04703S01	Screw, 3 × 8		
	27		03E04702S02	Screw, Taptite, 4 × 10		
	28	3-C	03E04701S02	Screw, Triple Tap, 3 × 6		

Symbol No.		Index	Part No.	Description		
□	29	3-G	03E04775S01	Screw, 3 × 8		
	30	2-D	03E05028S01	Screw, 3 × 8		
	31	3-D	04E05029S01	Washer, 3W		
	32	5-A	03E05030S01	Screw, Taptite		
	33		26E05031S01	Plate, Shield		
●	34	3-D	03E04704S04	Screw, Taptite, 3 × 6		

Notes : ● : For West Germany model only (SD : T-111L), □ : For General European model only (EK : T-111),
△ : For Canadian model only (UQ : T-111), ○ : For USA model only (UC : T-111), Others : Common.

Exploded View (Cabinet)



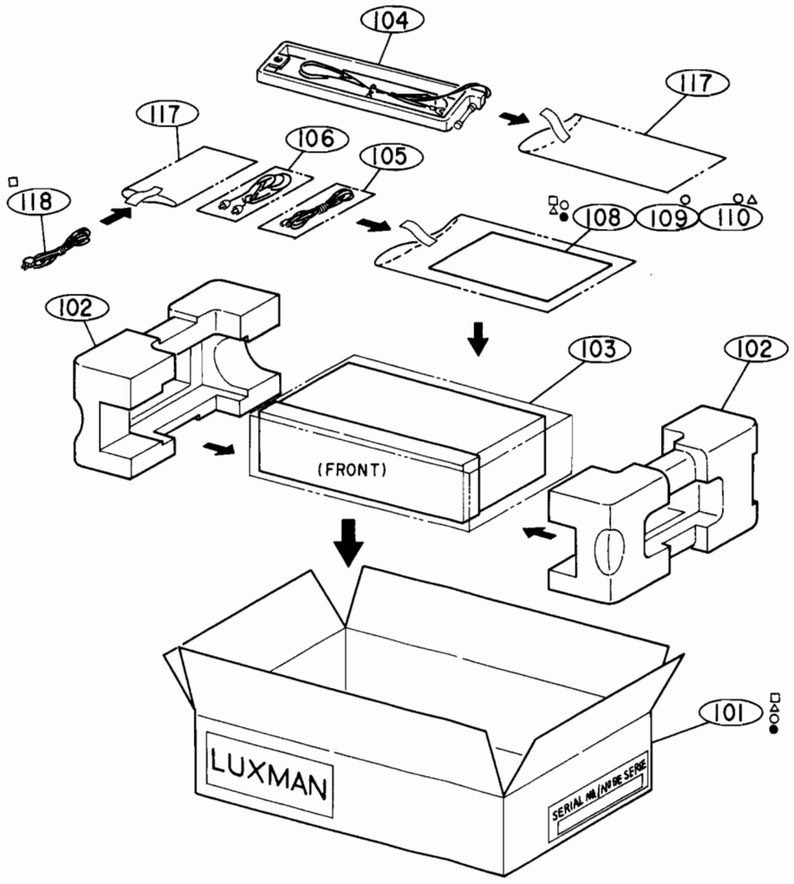
Packing Assembly Parts List

Symbol No.	Part No.	Description		
○ 101	56E04779S01	Carton, Master		
△ 101	56E04779S01	Carton, Master		
□ 101	56E04779S01	Carton, Master		
● 101	56E04779S02	Carton, Master		
102	56E04780S01	Box, Snow		
103	56E04781S01	Bag, High Polyester		
104	85E04776S01	Antenna, Loop (AM)		
105	85E04777S01	Antenna, Dipole (FM)		
106	28E04778S01	Cord, Patch		
● 108	68P94789F04	Owner's Manual		

Symbol No.	Part No.	Description		
□ 108	68P94789F04	Owner's Manual		
△ 108	68P94789F04	Owner's Manual		
○ 108	68P94789F05	Owner's Manual		
○ 109	68R57674F01	Card		
△ 110	68P44370P63	Warranty Card		
○ 110	68P44370P66	Warranty Card		
117	56E04782S01	Poly Bag		
□ 118	28E04771S01	AC Cord		

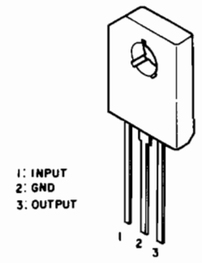
Notes : ● : For West Germany model only (SD : T-111L), □ : For General European model only (EK-T-111),
△ : For Canadian model only (UQ : T-111), ○ : For USA model only (UC : T-111), Others : Common.

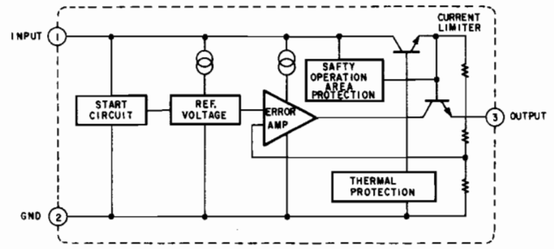
Packing Method View



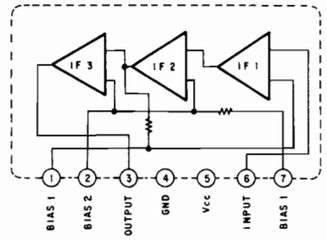
Semi-Conductor Lead Identifications

L78N12 : IC101

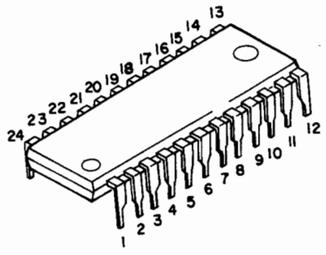


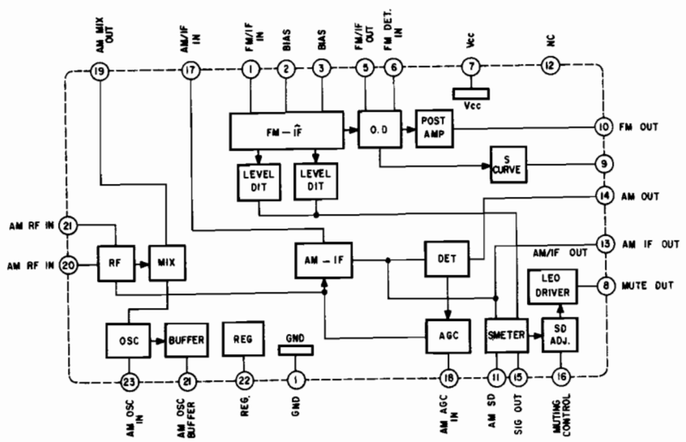


BA402 : IC201

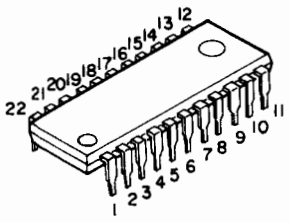


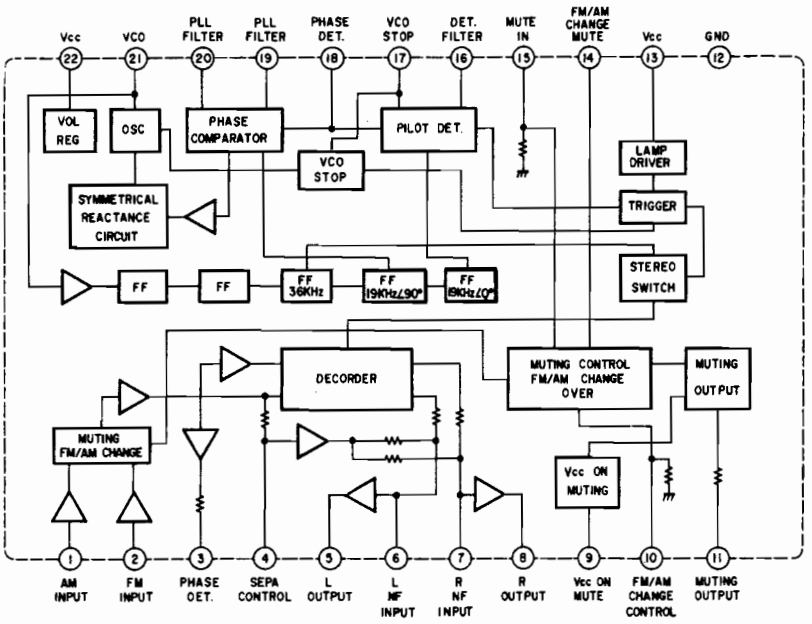
LA1267 : IC202



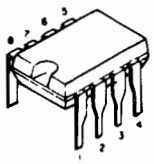


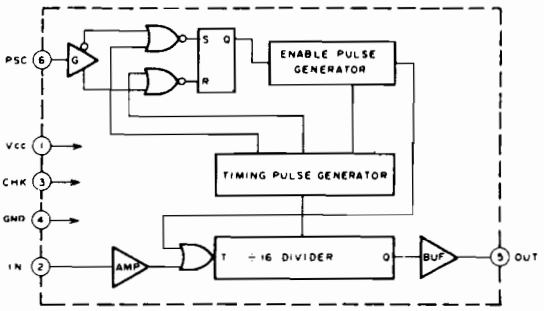
LA3401 : IC301



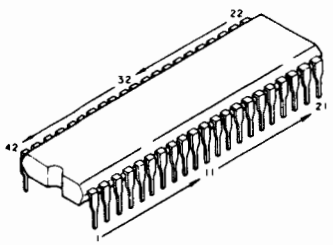


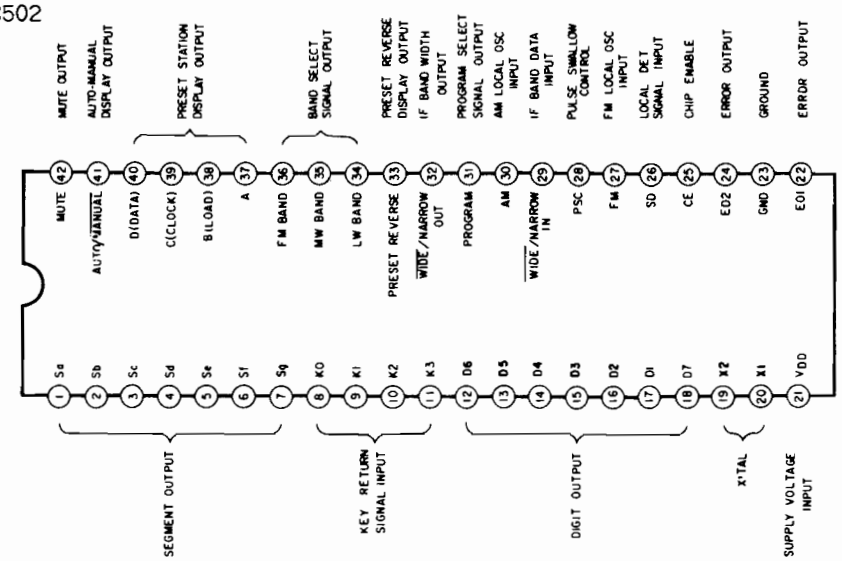
μ PB553AC : IC501



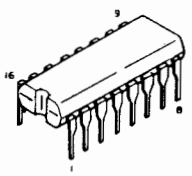


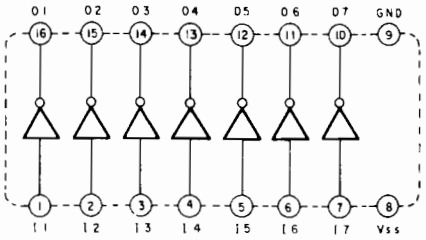
72356F04 (μ PD1704C-564) : IC502



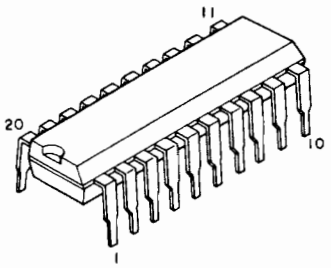


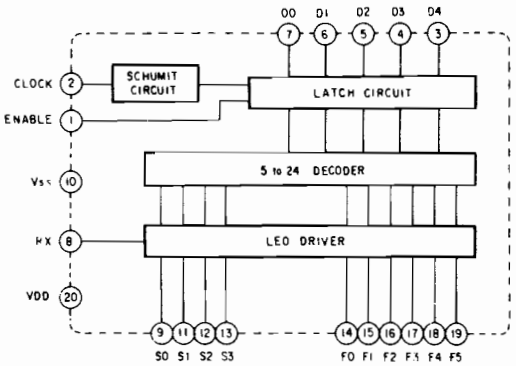
μ PA80C : IC503



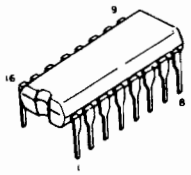


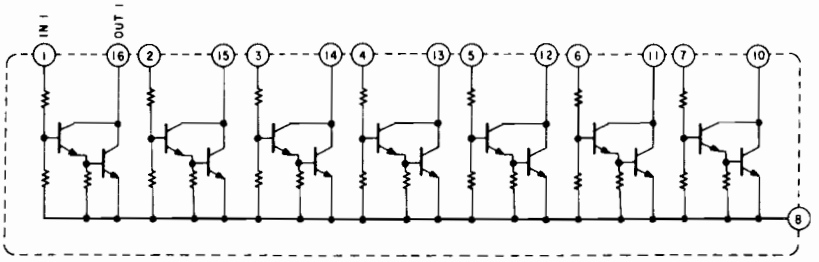
μ PD6322C : IC601



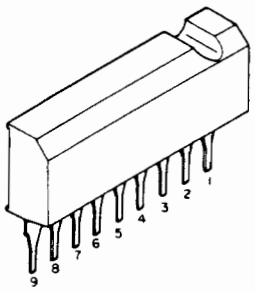


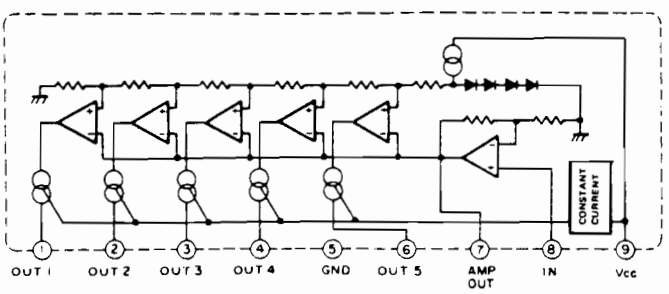
μ PA81C : IC701



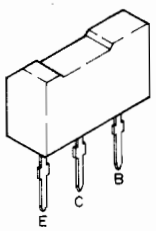


BA6125 : IC702

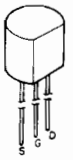




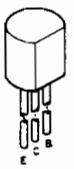
2SD1225M : Q101



2SK246 : Q301



KTC1815 : Q202~204, 302, 303, 501~504, 507, 509, 519~521, 523~529
KTA1015 : Q510~518



LUX CORPORATION, JAPAN

1-8, 1-Chome, Nishigotanda, Shinagawa-ku, Tokyo 141 Japan
Phone: 03-493-4381 Facsimile: 03-494-8426

68P10507W01

3/88-S Printed in Japan