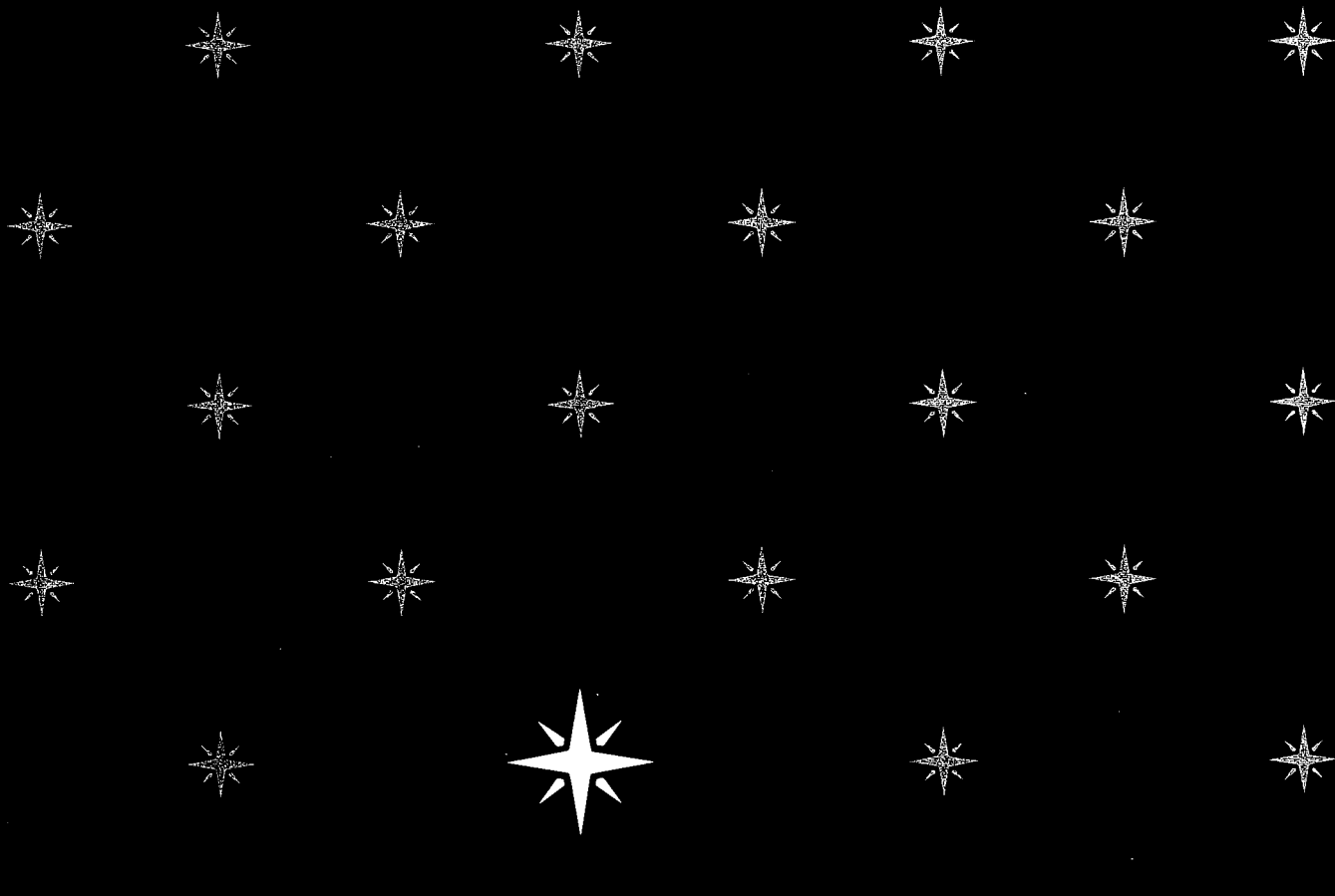




SERVICE
MANUAL **SR8100DC**



marantz[®]

model SR 8100DC

Stereophonic Receiver



INTRODUCTION

This service manual was prepared for use by Authorized Warranty Stations and contains service information for Marantz Model SR-8100DC Stereophonic Receiver.

Service information and voltage data included in this manual are intended for use by the knowledgeable and experienced technician only. All instructions should be read carefully. No attempt should be made to proceed without a good understanding of the operation of the receiver.

The parts list furnishes information by which replacement parts may be ordered from the Marantz Company. A simple description is included for parts which can usually be obtained through local suppliers.

1. P.W. BOARDS

| | |
|---------------------------------------|------|
| 1. Tuner/Phono | P100 |
| 2. Controller | P500 |
| 3. VFL and Signal LED | P501 |
| 4. PLL and L.P.F. | P502 |
| 5. Controller and F.I.P. Jumper | P503 |
| 6. Controller and PLL Jumper | P504 |
| 7. Main Amp | P700 |
| 8. Main Amp | P701 |
| 9. Power Supply | P800 |
| 10. Scan Step SW. | PC50 |
| 11. Tone Amp | PE00 |
| 12. Tone Volume | PE01 |
| 13. Connection | PE02 |
| 14. Vol/Balance | PG00 |
| 15. Tape Monitor SW. | PJ01 |
| 16. Protector | PL00 |
| 17. AC Power Relay | PQ00 |
| 18. Filter/Loudness | PS00 |
| 19. Speaker Terminal | PS01 |
| 20. Timer Switch | PS50 |
| 21. Key Board | PT00 |
| 22. Power Off Switch | PT50 |
| 23. Function SW. | PU00 |
| 24. C/F Display | PU50 |
| 25. Head Phone | PW01 |

2. TEST EQUIPMENT REQUIRED FOR SERVICING

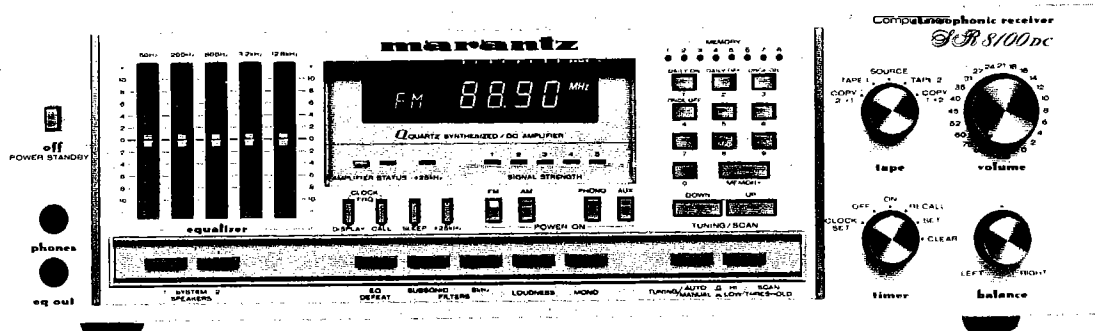
This table lists the test equipment required for servicing the Model SR-8100DC Receiver.

| Item | Manufacturer and Model No. | Use |
|--|--|---|
| AM Signal Generator | | Signal source for AM alignment |
| Test Loop | | Use with AM Signal Generator |
| FM Signal Generator MPX Signal Generator | Sound Technology Model 1000A | Signal source for FM alignment Stereo separation alignment and trouble shooting |
| Distortion Analyzer Audio Oscillator AC VTVM | Sound Technology Model 1700A | Distortion measurements Sinewave and squarewave signal source Voltage measurements (AC) |
| Oscilloscope | Tektronix Model T932 Philips Model 3232 | Waveform analysis and trouble shooting and ASO alignment |
| Frequency Counter | Fluke Model 1900A | MPX Oscillator adjustment (VCO) |
| Circuit Tester | | Trouble shooting |
| DC VTVM | Fluke Model 8000 "Digital" Simpson Model 313, Triplet Model 801 | Voltage measurements (DC) |
| AC Wattmeter | Simpson Model 1379 | Monitors primary power to amplifier |
| AC Ammeter | Commercial Grade (1-10A) | Monitors amplifier output under short circuit condition |
| Line Voltmeter | Simpson Model 1359 | Monitors potential of primary power to amplifier |
| Variable Autotransformer | Superior Electronic Co., Powerstat Model 116B-10A | Adjusts level of primary power to amplifier |
| Shorting Plug | Use phono plug with 600-ohm across center pin and shell | Shorts amplifier input to eliminate noise pickup |
| Output Load (8 ohms, ±0.5%, 100W) | Commercial Grade | Provides 8-ohm load for amplifier output termination |
| Output Load (4 ohms, ±0.5%, 100W) | Commercial Grade | Provides 4-ohm load for amplifier output termination |

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MODEL SR8100DC STEREPHONIC RECEIVER



MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, MARANTZ Company has created the ultimate in stereo sound. Only original MARANTZ parts can insure that your MARANTZ product will continue to perform to the specifications for which it is famous.

Parts for your MARANTZ stereo are generally available within 72 hours throughout the nation via a toll-free line to our National Parts Depot in California. The sales professionals who take your call immediately refer to their own desk top computer terminal and can quickly determine the availability and price information you require. If, for some reason, your order should exceed our available stock, we usually can instantly provide an alternate replacement part or current delivery information. When the order is placed and confirmed, the computer simultaneously generates "hard copy" orders at the distribution center. As hard copies come directly from the computer to the national parts depot, your requested stock is assembled and prepared for shipment and placed on the first available carrier for delivery to you.

ORDERING PARTS

Phone orders will eliminate mail delays, and we encourage the use of this method. If you order by mail, use MARANTZ parts order forms which are available from our National Parts Depot located at the following address:

SUPERSCOPE NATIONAL PARTS DEPARTMENT
20525 Nordhoff Street
Chatsworth, California 91311
Phone: 1-800-423-5108
1-213-998-9333

The following information must be supplied to eliminate delays in processing your order:

1. Complete address.
2. Complete part numbers.
3. Complete description of parts.
4. Model number for which part is required (indicate MARANTZ).
5. Account number (for account customers only).

Direct consumers will be provided with the current retail price quotation on available parts in order to advise them of the cost of the parts and shipping.

OVERSEAS PARTS ORDERING

Parts may also be ordered from the following overseas addresses:

| U.S.A. | CANADA | AUSTRALIA | JAPAN |
|---|--|--|--|
| Marantz Company, Inc. National Service Dept. P.O. Box 577 Chatsworth, CA 91311 U.S.A. | Superscope Canada, Ltd. 3710 Nashua Drive Mississauga Ontario, Canada L4V1M5 | Marantz Australia 32 Cross Street Brookvale, NSW 2100 Australia | Marantz Japan, Inc. 3622 Kamitsuruma Sagamihara-shi Kanagawa, Japan |
| EUROPE | | | |
| MARANTZ AUSTRALIA PTY., LTD. 32 Cross Street Brookvale, N.S.W. 2100 Australia | MARANTZ GERMANY GMBH Max-Planckstrasse 22 6072 Dreieich 1 West Germany | MARANTZ AUDIO U.K., LTD. Unit 15/16, Saxon Way Moor Lane, Harmondsworth UB 7 O.L.W. Great Britain | MARANTZ SVENSKA A.B. Franzengatan 6 10425 Stockholm Sweden |
| MARANTZ EUROPE S.A. 326 Avenue Louise Bte 32 1050 Brussels Belgium | MARANTZ BELGIUM 45 Rue Auguste Van Zande 1080 Brussels Belgium | MARANTZ FRANCE 4 Rue Bernard Palissy 92600 Asnieres France | MARANTZ NORSKE A.S. Refstadalleen 13 Oslo 5 Norway |

All of the above locations are fully equipped to take care of your total service needs. Because various countries have differing configuration requirements, it is necessary that you contact the service facility in your particular country. In the event that there is no service location listed for your country, please contact the nearest facility for the necessary assistance.

3. FREQUENCY SYNTHESIZER RADIO TUNING SYSTEM

3.1 Construction of Synthesizer System

This frequency synthesizer is composed of a micro-computer (MN1455LF), PLL LSI (MN6147), lowpass filter, crystals and fluorescent indicating tubes, as shown in Fig. 1.

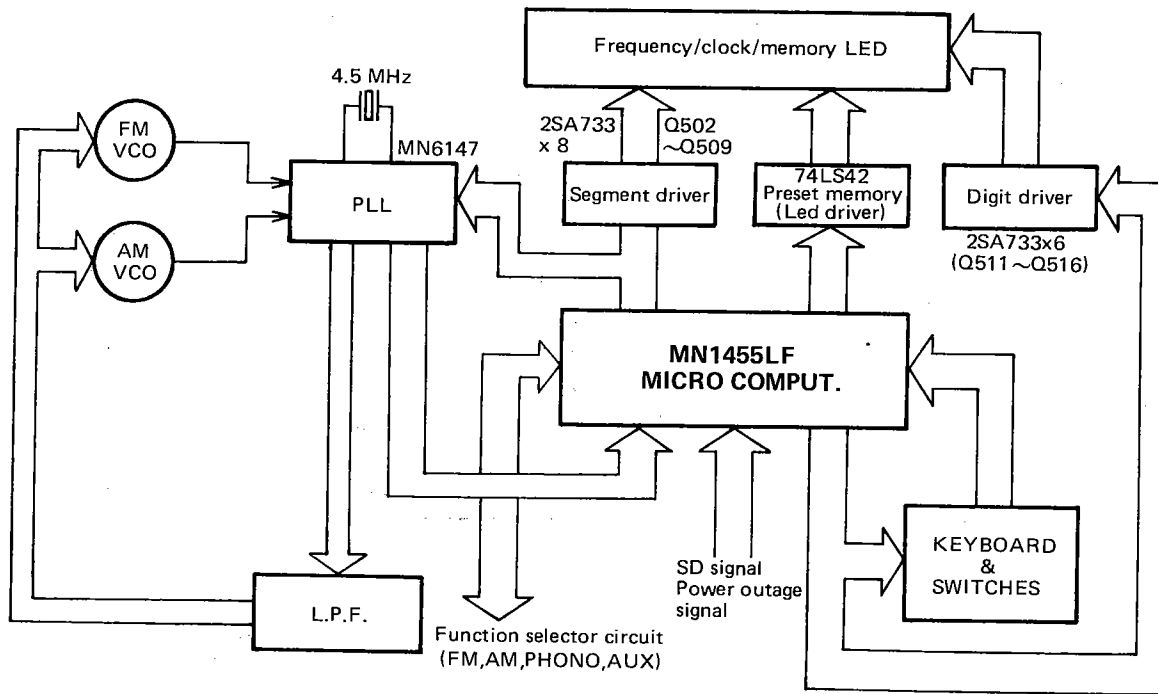


Figure 1. Block Diagram of Synthesizer

3.2 Microcomputer MN1455LF

(1) Terminal connections

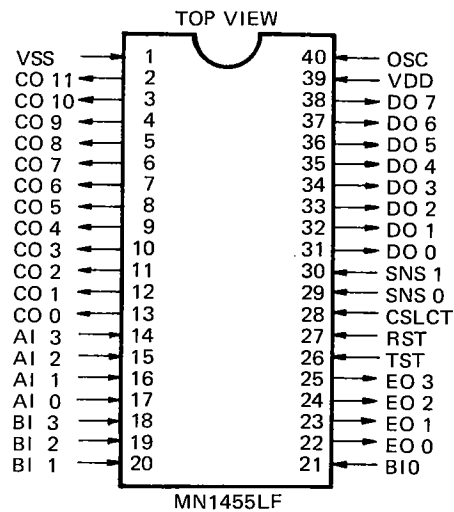


Figure 2.

(2) Specifications

| Item | Symbol | Ratings | Unit | |
|------------------------------|----------------------|--------------------------|--------------------|----|
| Power supply voltage | V_{DD} | $-0.3 \sim +10$ | V | |
| Input terminal voltage | V_I | $-0.3 \sim V_{DD} + 0.3$ | V | |
| Output terminal voltage | V_O | $-0.3 \sim V_{DD} + 0.3$ | V | |
| Clock input terminal voltage | V_{OSC} | $-0.3 \sim V_{DD} + 0.3$ | V | |
| Peak envelope output current | I_{OH} (peak) | C port | -0.5 | mA |
| | | D port | | |
| | | E port | | |
| | I_{OL} (peak) | C port | 8 | mA |
| | | D port | | |
| | | E port | | |
| Average output current | I_{OH}^{**} (avg.) | C port | -0.25 | mA |
| | | D port | | |
| | | E port | | |
| | I_{OL}^{**} (avg.) | C port | 4 | mA |
| | | D port | | |
| | | E port | | |
| Power consumption | P_T^* | 500 | mW | |
| Ambient temperature | T opr | $-20 \sim +70$ | $^{\circ}\text{C}$ | |
| Storage temperature | T stg | $-55 \sim +100$ | $^{\circ}\text{C}$ | |

(3) Functions of terminals

| Pin Code | Pin Symbol | Function |
|----------|------------|--|
| 1 | VSS | Ground terminal |
| 2 | CO11 | LW source control output terminal, H level output |
| 3 | CO10 | MW source control output terminal, H level output |
| 4 | CO9 | FM source control output terminal, H level output |
| 5 | CO8 | AC outlet output terminal, H level output |
| 6 | CO7 | Muting output terminal, H level output |
| 7 | CO6 | Data latch clock output terminal for MN6147 |
| 8 | CO5 | Frequency display digit output and switch and key matrix scan port. The scan is low level. CO5 ... G1, CO4 ... G2, CO3 ... G3, CO2 ... G4, CO1 ... G5, CO0 ... GS1, GS2 |
| 9 | CO4 | |
| 10 | CO3 | |
| 11 | CO2 | |
| 12 | CO1 | |
| 13 | CO0 | |
| 14 | Ai3 | Switch and key matrix input terminal. The input signal is always supplied from the micro computer standard routine. |
| 15 | Ai2 | |
| 16 | Ai1 | |
| 17 | Ai0 | |
| 20 | Bi1 | |
| 21 | Bi0 | |
| 18 | Bi3 | Station detector signal (tuning detector signal) input terminal. Checks the input only in the auto up/down station seek. Station detector signal – H level input Non station detector signal – L level input. In the normal condition, the muting is released regardless of the station detector signal. |
| 19 | Bi2 | Power outage (battery back-up) detection terminal. In the battery back-up mode, the output of the micro computer becomes low and only the clock is counted. When the power is recovered, the unit is set to OFF mode (OFF key on condition) and display indicates the current time. Battery back-up mode – L level input Normal power supply – H level input |

| Pin Code | Pin Symbol | Function |
|----------|--------------------|---|
| 22 | EO0 | Data output terminal for BCD driver SN74LS42 Preset memory display LED (M1 – M8) and PHONO, AUX1 and AUX 2 source LED control terminal |
| 23 | EO1 | |
| 24 | EO2 | |
| 25 | EO3 | |
| 26 | TST | Test terminal. Connected to ground |
| 27 | \overline{RST} | Reset terminal. When power is supplied to the micro computer, the level is L. In the normal condition, the level is H. |
| 28 | \overline{CSLCT} | To use the SNS1 for counter mode, connect to ground. (For the models without clock, connect to ground.) |
| 29 | SNS0 | Lock detection input terminal for PLL system. The MN6147 ALDO signal is applied to this terminal via the filter. This terminal is used for auto up/down station seek. Lock mode – H level input Unlock mode – L level input |
| 30 | SNS1 | Reference clock (250 Hz) input terminal. Input from MN6147 CK2. For the models without clock, connect to ground. |
| 31 | DO0 | MN6147 data output and display segment output terminal. The segment scan is low. |
| 32 | DO1 | |
| 33 | DO2 | |
| 34 | DO3 | |
| 35 | DO4 | |
| 36 | DO5 | |
| 37 | DO6 | |
| 38 | DO7 | |
| 39 | VDD | Power supply terminal (+5V \pm 10%) |
| 40 | OSC | Micro computer clock (526.5 kHz) input terminal. Input from MN6147 CK1. |

(5) Data input timing chart

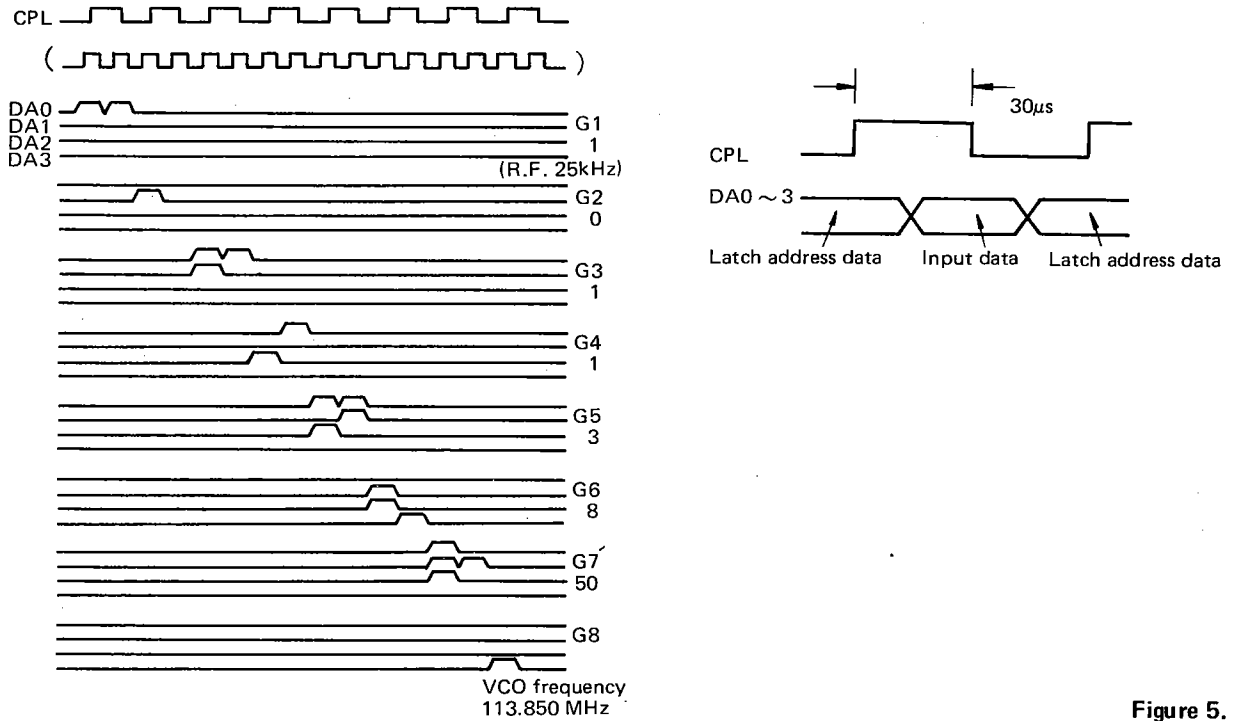


Figure 5.

(6) Relationship between data input terminal and programmable counter

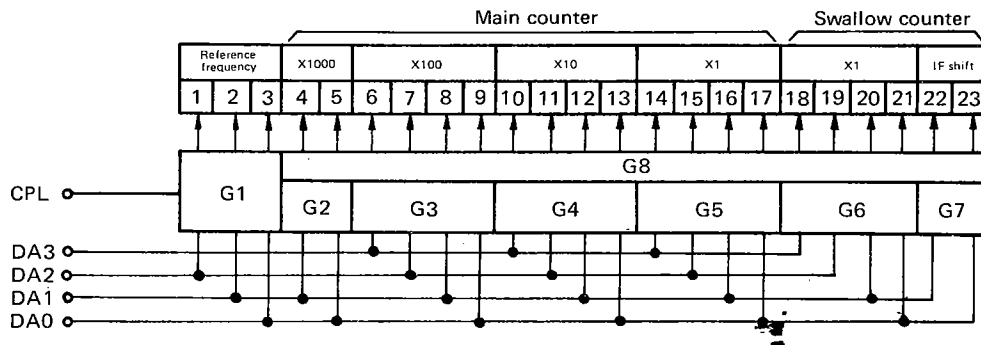


Figure 6.

(7) Latch group code list

| Latch Input code | G1 | G2 | G3 | G4 | G5 | G6 | G7 | G8 |
|------------------|----|----|----|----|----|----|----|----|
| DA3 | L | L | L | L | L | L | L | H |
| DA2 | L | L | L | H | H | H | H | x |
| DA1 | L | H | H | L | L | H | H | x |
| DA0 | H | L | H | L | H | L | H | x |

(9) IF shift list

| kHz Input code | 0 | 25 | 50 | 75 |
|----------------|---|----|----|----|
| DA1 | L | L | H | H |
| DA0 | L | H | L | H |

(8) Reference frequency (r_1) code list

| kHz Input code | 2.5 | 25 | 9 | 10 | 5 | 1 |
|----------------|-----|----|---|----|---|---|
| DA2 | L | L | L | L | H | H |
| DA1 | L | L | H | H | L | H |
| DA0 | L | H | L | H | x | x |

(10) FM, SW, MW (LW) signal process list

| Input signal | | Terminal code | |
|--------------|----------|---------------|-----------|
| Signal name | Terminal | FM/AM(18) | SW/MW(17) |
| FM | (16) | H | X |
| SW | (15) | L | H |
| MW (LW) | (15) | *L | L |

3.4 PLL Synthesizer Tuning System: Theory of Operation

As shown in the Figure, the output frequency of the FM/AM local oscillator is automatically locked to a constant frequency by the PLL network which is operating under microprocessor control.

In the FM mode, part of the local oscillator output is coupled to the FM input terminal of the PLL block via a buffer amplifier (for example, when the received frequency is 98.1 MHz, the local oscillation frequency is $98.1 + 10.7 = 108.8$ MHz).

Meanwhile, the microprocessor accepts frequency data input from the keyboard and provides the data of, say, 98.1 MHz to the display. It also provides frequency dividing-ratio data to the PLL block. Since the reference frequency for the FM mode is 25 kHz, dividing ratio N is determined as follows:

$$N = 108.8 \text{ MHz} \div 0.025 = 4352$$

When the 50 kHz stepping interval is selected in the FM mode, the FM frequency band is between 87.5 and 108.0

MHz, and hence the local frequency band is between 98.2 and 118.7 MHz. As a result, the dividing ratio is between 3928 and 4748.

Once dividing ratio is determined, the local oscillation frequency is divided by N, and the resultant signal phase is compared with the reference signal phase. The reference signal is created by dividing the master oscillator output of 4.5 MHz, and its frequency accuracy depends on that of the quartz crystal element used in the master oscillator.

The frequency divided in the PLL block ($108.8 \text{ MHz} \div 435 = 25 \text{ kHz}$) is phase-compared with the reference frequency of 25 kHz, and the phase difference between the two signals is converted by the PLL into a corresponding pulse array. This pulse array is coupled to a low-pass filter, where it is converted into a corresponding DC level, which is then feed back to the local oscillator's control input to control the local oscillator output frequency to a constant.

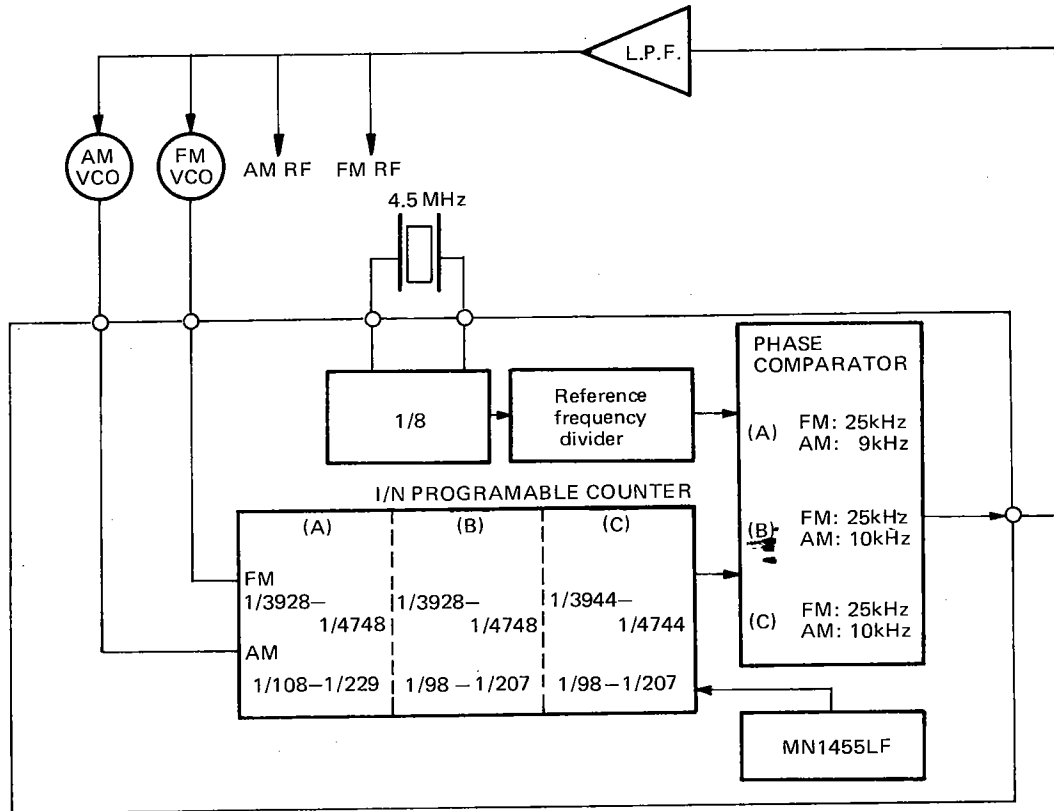


Figure 7.

| | Scan Step | Receiving frequency | Local oscillator frequency | Number of channels |
|-----|------------|---------------------|----------------------------|--------------------|
| (A) | FM 50 kHz | 87.50 ~ 108.0 MHz | 98.2 ~ 118.7 MHz | 411 |
| | AM 9 kHz | 522 ~ 1611 kHz | 972 ~ 2061 kHz | 122 |
| (B) | FM 50 kHz | 87.50 ~ 108.0 MHz | 98.2 ~ 118.7 MHz | 411 |
| | AM 10 kHz | 530 ~ 1620 kHz | 980 ~ 2070 kHz | 109 |
| (C) | FM 200 kHz | 87.9 ~ 107.9 MHz | 98.6 ~ 118.6 MHz | 101 |
| | AM 10 kHz | 530 ~ 1620 kHz | 980 ~ 2070 kHz | 109 |

3.5 Description of Switches

Switch and Key Matrix

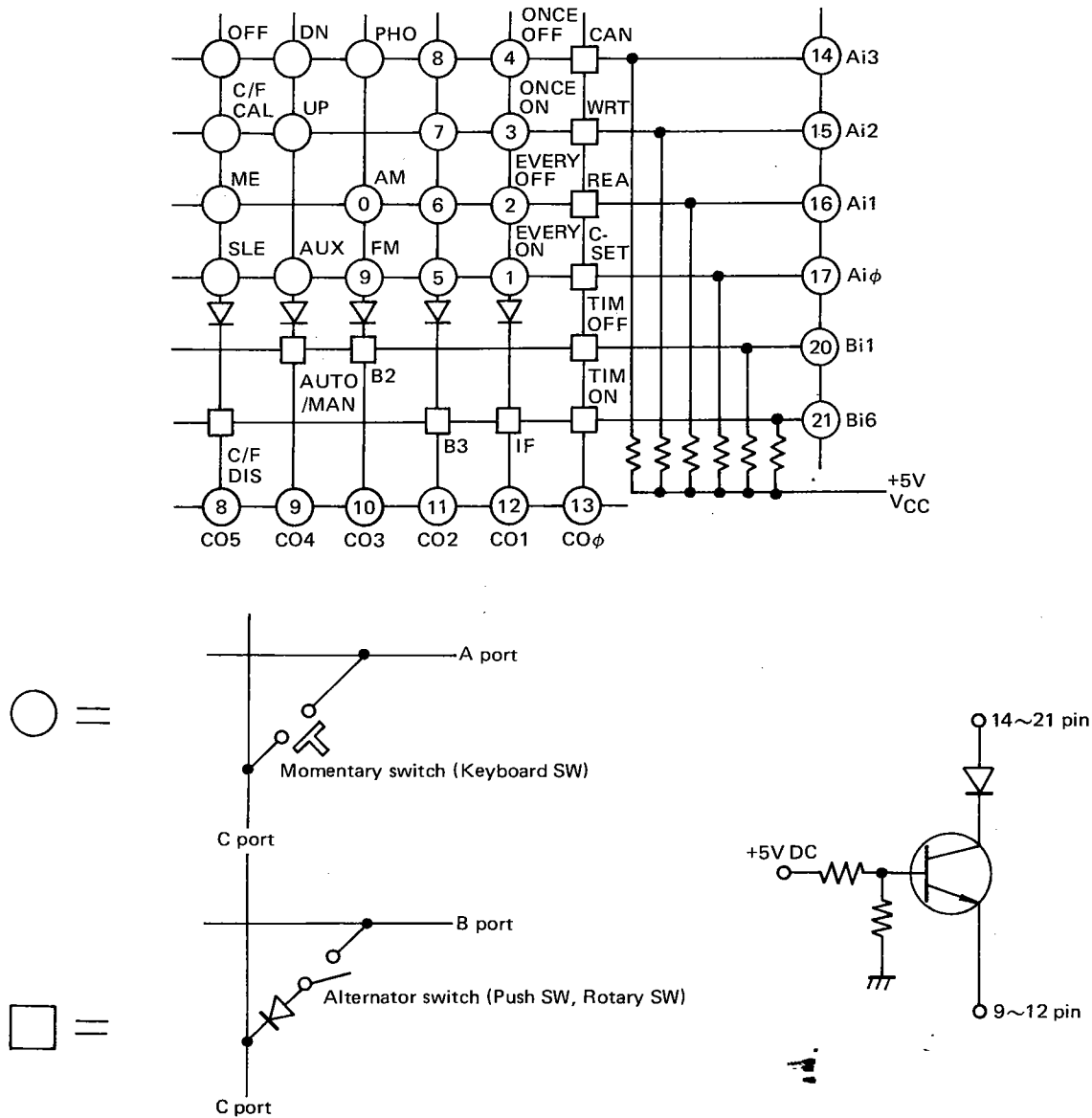


Figure 8.

Switches 0-9: these switches are used for read/write operations for memories CH.1-8, timer set-up, and read/write operations for EVERY ON/OFF and ONCE ON/OFF data.

UP/DN switches: when the Auto/Manual switch is set at Auto, pressing these switches scans frequencies up or down until a search signal is input.

When the switch is set at Manual, each depression of these switches steps up or down the frequency by one step. When the switches are held down continuously for more than 1 second, continuous frequency scanning starts.

FM/AM/PHONO/AUX: select input program sources. The FM and AM selector switches are shared by the 9 and 0 numerical keys.

C/F CALL: recalls time and frequency data for 5 seconds.

C/F DISPLAY: switches between time and frequency display.

SLE: used to set up the sleep timer function. This switch function is independent of the timer function.

AUTO/MANUAL: switches between the muting and scanning functions in the FM mode.

B2/B3: select scan stepping intervals with the following combinations:

| AM (kHz) | FM (kHz) | B2 | B3 |
|----------|----------|-----|-----|
| 9 | 50 | OFF | OFF |
| 10 | 50 | OFF | ON |
| 10 | 200 | ON | ON |

IF: controls the intermediate frequency in the FM mode over +25 kHz.

CANCEL: WRT, REA, C, SET, MANUAL.

TIMER: selects timer modes.

Indicator

The indicator employs fluorescent tubes for dynamic lighting.

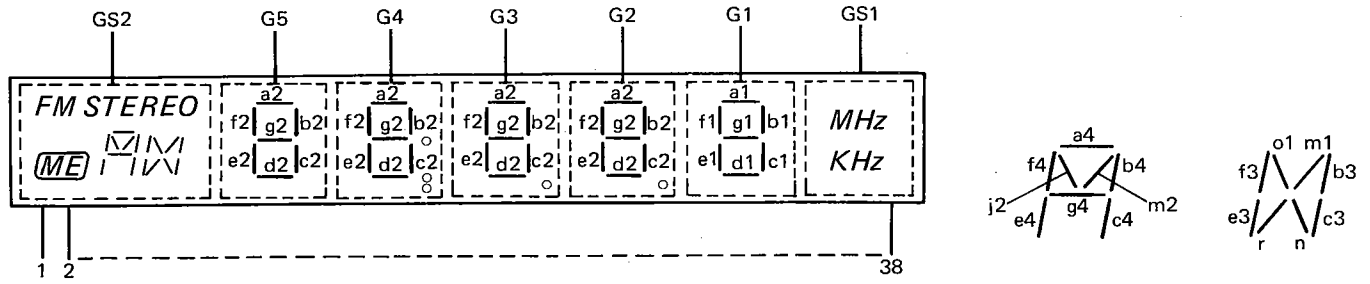


Figure 9.

| Pin No. | Connection | Pin No. | Connection | Pin No. | Connection | Pin No. | Connection |
|---------|---------------------------------|---------|---|---------|-----------------|---------|---|
| 1 | F | 11 | b ₄ | 21 | G ₃ | 31 | a ₂ |
| 2 | FM STEREO | 12 | a ₄ | 22 | e ₂ | 32 | g ₁ |
| 3 | ME | 13 | G ₅ | 23 | Dp ₃ | 33 | b ₁ , e ₁ |
| 4 | GS ₂ | 14 | j ₁ , m ₁ | 24 | Dp ₂ | 34 | GS ₁ |
| 5 | j ₂ , m ₂ | 15 | n, r | 25 | d ₂ | 35 | a ₁ , f ₁ , c ₁ , d ₁ |
| 6 | g ₄ | 16 | b ₃ , c ₃ , e ₃ , f ₃ | 26 | G ₂ | 36 | kHz |
| 7 | e ₄ | 17 | G ₄ | 27 | Dp ₁ | 37 | MHz |
| 8 | d ₄ | 18 | g ₂ | 28 | C ₂ | 38 | F |
| 9 | c ₄ | 19 | f ₂ | 29 | b ₂ | | |
| 10 | GS ₂ | 20 | Col | 30 | G ₁ | | |

Details of display

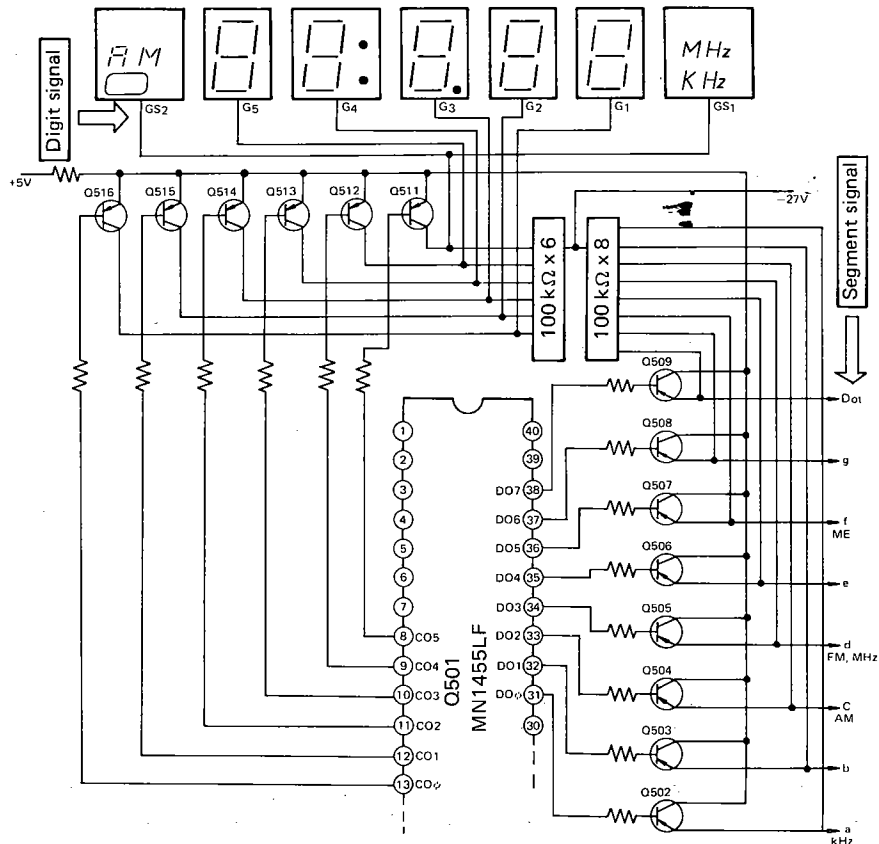


Figure 10.

Dynamic lighting timing chart

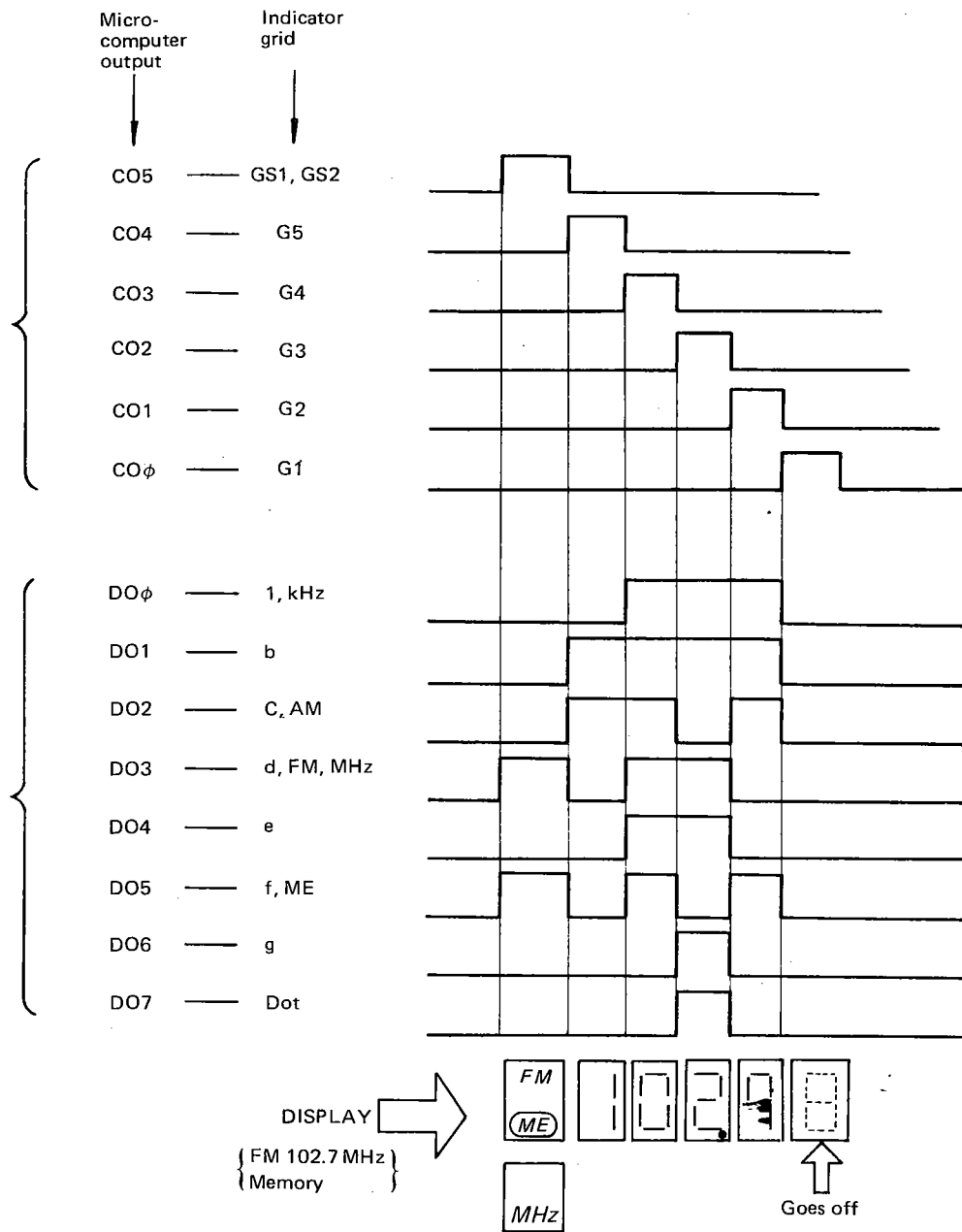


Figure 11.

4. ALIGNMENT PROCEDURES

AUDIO ALIGNMENT (FUNCTION switch in AUX position and VOLUME control in the minimum position at NO load)

4.1 DC of set (Adjust with a digital volt meter.)

Test point — SPK out (L & R)
 Adjusting point — R705 (L), R706 (R)
 Specified values — 0 mV

4.2 Idling current (Adjust with a digital volt meter.)

Test point — J705 ~ J706 (L), J707 ~ J708 (R)
 Adjusting point — R717 (L), R718 (R)
 Specified value — 13.2 mV (20 mA)

A dummy resistor of 47 kohms must be connected across the tuner output terminals before alignment.

4.3 FM Alignment Procedures (Selector switch in the "FM" position and mode/tuning switch in the "Mono/Manual" position)

FM Local Oscillator Alignment (Scan step selector switch (SC51) in the "50 kHz" position)

| Step | Signal Source Connection | Signal Frequency | Indicator Connection | Set the Digital Read out Frequency to: | Adjust: |
|------|--------------------------|------------------|---|--|----------------|
| 1 | | | DC Volt meter in 30V and 3V range to point (A) (J116) | 108.00 MHz | C142 for 20.0V |
| 2 | | | | 87.50 MHz | L104 for 3.0V |
| 3 | Repeat steps 1 and 2. | | | | |

FM RF Alignment

| Step | Signal Source Connection | Signal Frequency | Indicator Connection | Set the Digital Read out Frequency to: | Adjust: |
|------|---|------------------|--|--|--|
| 1 | RF generator to FM antenna terminals (B) through matching network (300 ohms balanced) (Maintain RF level below limit) | 106.10 MHz | VTVM to L or R channel output (JJ01 or JJ02) | 106,10 MHz | C101, C105, C107 for maximum output and minimum distortion |
| 2 | | 90.10 MHz | | 90.10 MHz | L101, L102, L103 for maximum output and minimum distortion |
| 3 | Repeat steps 1 and 2. | | | | |
| 4 | RF generator to FM antenna terminals (B) through matching network (300 ohms balanced) (Maintain RF level below limit) | 98.10 MHz | VIVM to L or R channel output (JJ01 or JJ02) | 98.10 MHz | L106 for maximum output and minimum distortion |
| 5 | | 98.10 MHz | "O" Center Meter or DC current meter in 100 μ A range to point (C) (J109 and J110) | | L108 Core so that the meter indicator its center or may read "O" |
| 6 | RF generator 1 mV output to FM antenna terminals B through matching network (300 ohms, balanced) | 98.10 MHz | Distortions meter to L or R Channel output (JJ01 or JJ02) | 98.10 MHz | L108 core for minimum distortion |
| 7 | RF generator 300 μ V | | | | R136 so that signal Strength Led may light 5 points |

Circuit Alignment (FM Stopping Level of Scanning, FM Stereo Indicator threshold Level)

| Signal Source Connection | Signal Frequency | Indicator Connection | Set the Digital Read out Frequency to: | Adjust: |
|---|------------------|--|--|--|
| RF generator 12.5 μ V output to FM antenna terminal (B) network (300 ohms balanced) | 98.10 MHz | VTVM to R or L channel output (JJ01 or JJ02) | 98.10 MHz | R131 for 12.5 μ V threshold Level (Setting to Auto position of mode switch & Low Level position of threshold Level switch) |

ex Alignment Procedures (Function switch in the "FM" position, Auto/Manual switch in the Auto position)

| Signal Source Connection | Signal Frequency | Indicator Connection | Set the Digital Read out Frequency to: | Adjust: |
|---|----------------------------|--|--|---|
| RF generator to FM antenna terminals (B) through matching network (300 ohms, balanced), with 1 mV FM stereo simulator RF level and Pilot 9% modulation | No. modulation & pilot off | Frequency counter to point (D) (J111) | 98.10 MHz | R304 so that Frequency counter may precisely read 76 KHz |
| | Pilot only | VTVM to right and left channel output (JJ01 or JJ02) | | R307 so that minimum output should be the same in both channels |
| RF generator to FM antenna terminals (B) through matching network (300 ohms balanced) with 1 mV FM stereo simulator RF level and 100% modulation (pilot 9%) | Stereo, left (1,000 Hz) | VTVM to right channel (JJ01 or JJ02) | 98.10 MHz | R322 for minimum output and same separation in both channels |
| | Stereo right (1,000 Hz) | VTVM to left channel output terminal (JJ01 or JJ02) | | |

Repeat step 3 and 4.

AM ALIGNMENT Procedures (Function Switch in the "AM" position)

cal Oscillator Alignment (Scan Step Selector switch (SC51) in the "10 KHz" position)

| Signal Source Connection | Signal Frequency | Indicator Connection | Set the Digital Read out Frequency to: | Adjust: |
|--------------------------|------------------|---|--|---------------|
| - | - | DC Volt meter in 30V and 3V range to point (A) (J116) | 1620 KHz | CA16 for 22V |
| | | | 530 KHz | LA02 for 2.0V |

Repeat step 1 and 2.

Alignment

| Signal Source Connection | Signal Frequency | Indicator Connection | Set the Digital Read out Frequency to: | Adjust: |
|--------------------------------------|------------------|----------------------------------|--|---|
| Signal generator to point (E) (JA07) | 450 KHz marker | Oscilloscope to point (F) (JA03) | Quiet point on band | LA03 for maximum and symmetric response |

AM RF Alignment

| Step | Signal Source Connection | Signal Frequency | Indicator Connection | Set the Digital Read out Frequency to: | Adjust: |
|------|--|------------------|--|--|--|
| 1 | Apply the signal to the AM loop antenna from the RF generator, using the test loop. As per the Figure 12 (with 3 mV/m) | 1400 KHz | VTVM to L or R Channel output (JJ01 or JJ02) | 1400 KHz | CA02 for maximum output |
| 2 | | 600 KHz | | 600 KHz | LA01 for maximum output |
| 3 | Repeat step 1 and 2 as necessary to obtain maximum sensitivity. | | | | |
| 4 | | 1000 KHz | | 1000 KHz | RA11 so that signal strength LED may light 5 point |

PLL Oscillator Alignment (Function Switch in the "AM" position)

| Step | Signal Source Connection | Signal Frequency | Indicator Connection | Set the Digital Read out Frequency to: | Adjust: |
|------|--------------------------|------------------|---------------------------------------|--|--|
| 1 | No signal | - | Frequency counter to point (G) (J117) | 1400 KHz | CS15 so that frequency may precisely read 1850,000 KHz |

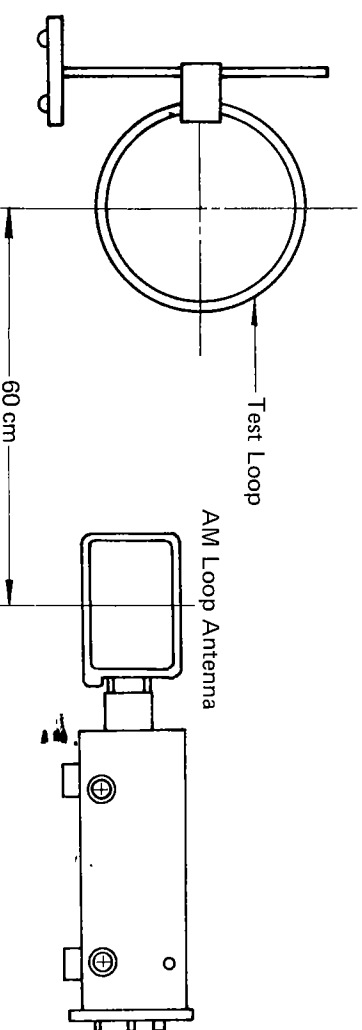
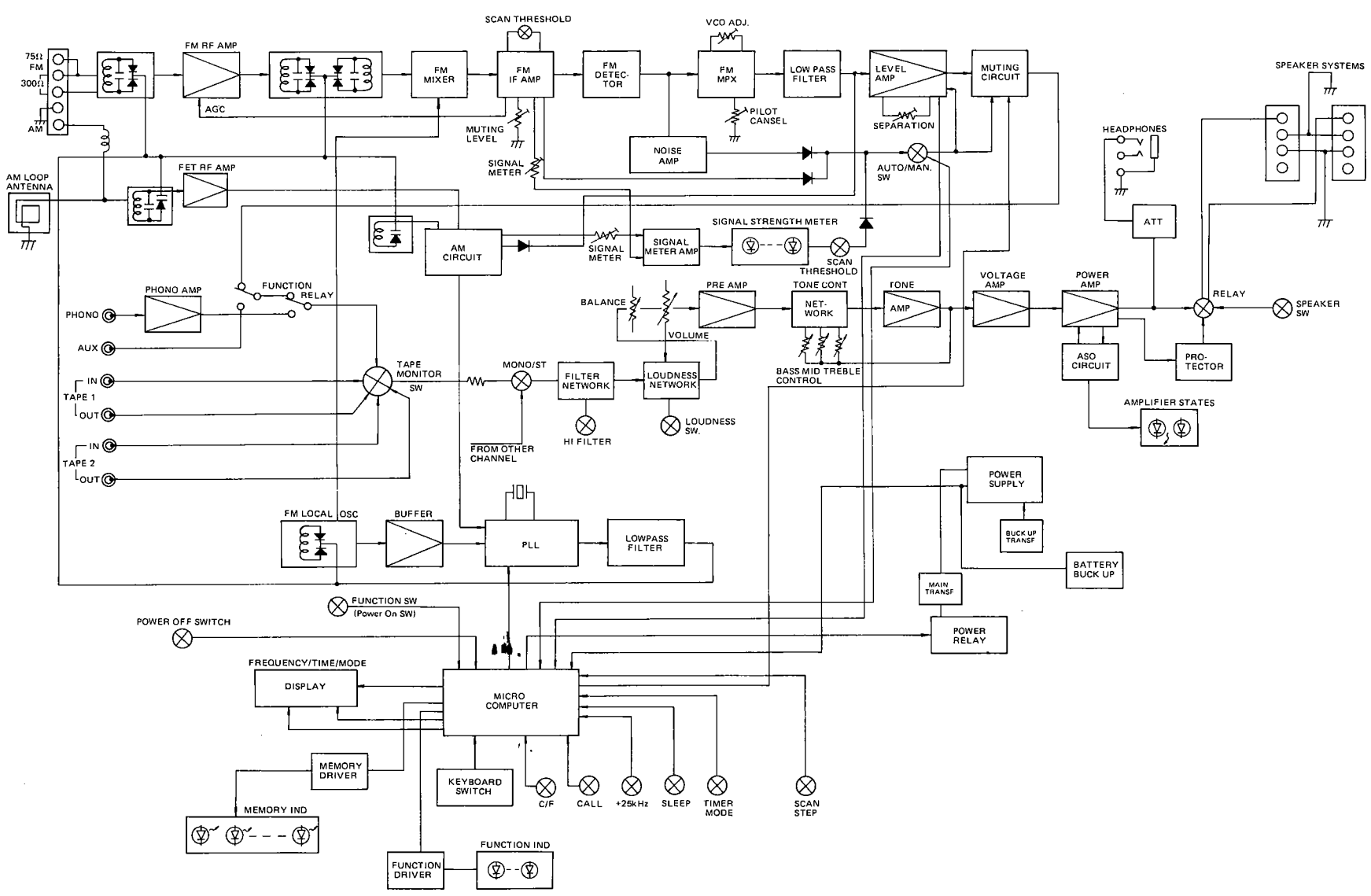


Figure 12.

6. BLOCK DIAGRAM



AGE CONVERSION
 the unit to a different power source voltage,
 position as illustrated in the drawing below.
 DISCONNECT POWER SUPPLY CORD
 FROM AC OUTLET BEFORE CONVERT-
 ING VOLTAGE. DO NOT DISASSEMBLE
 THE VOLTAGE SELECTOR ABSOLUTELY.

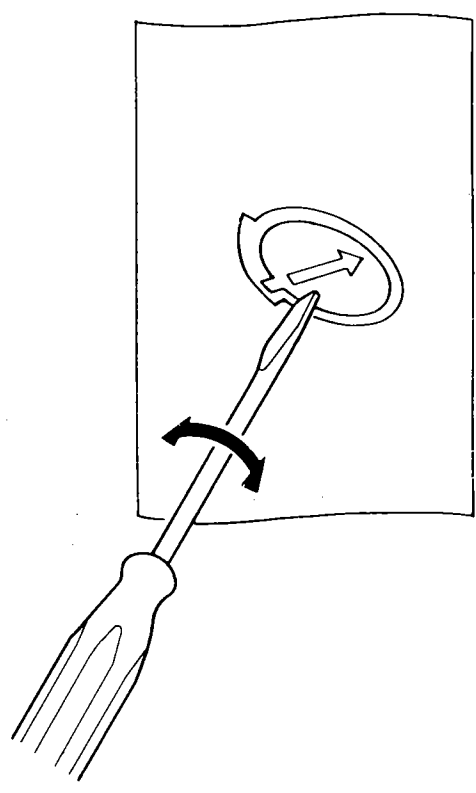


Figure 13. Voltage Conversion

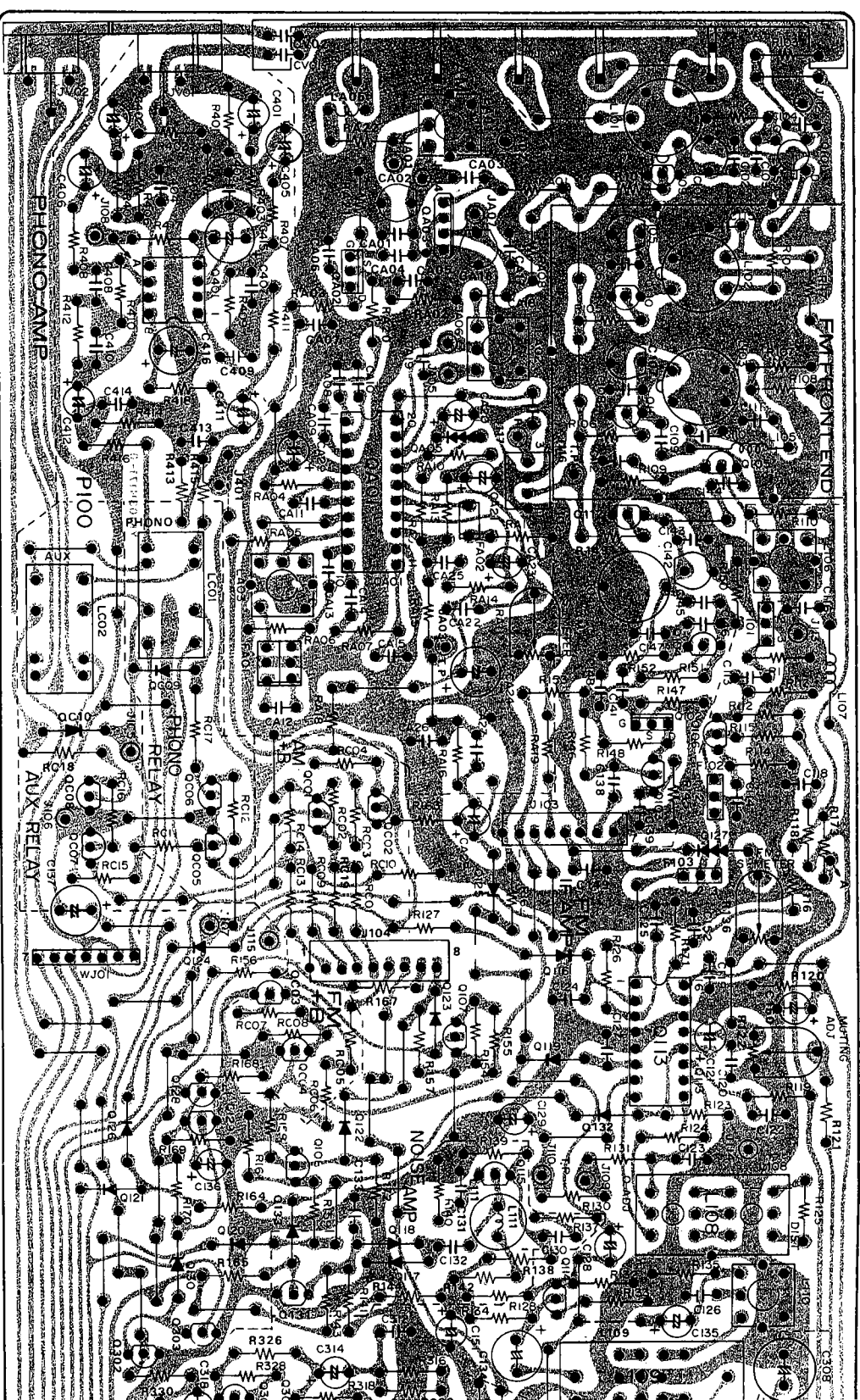
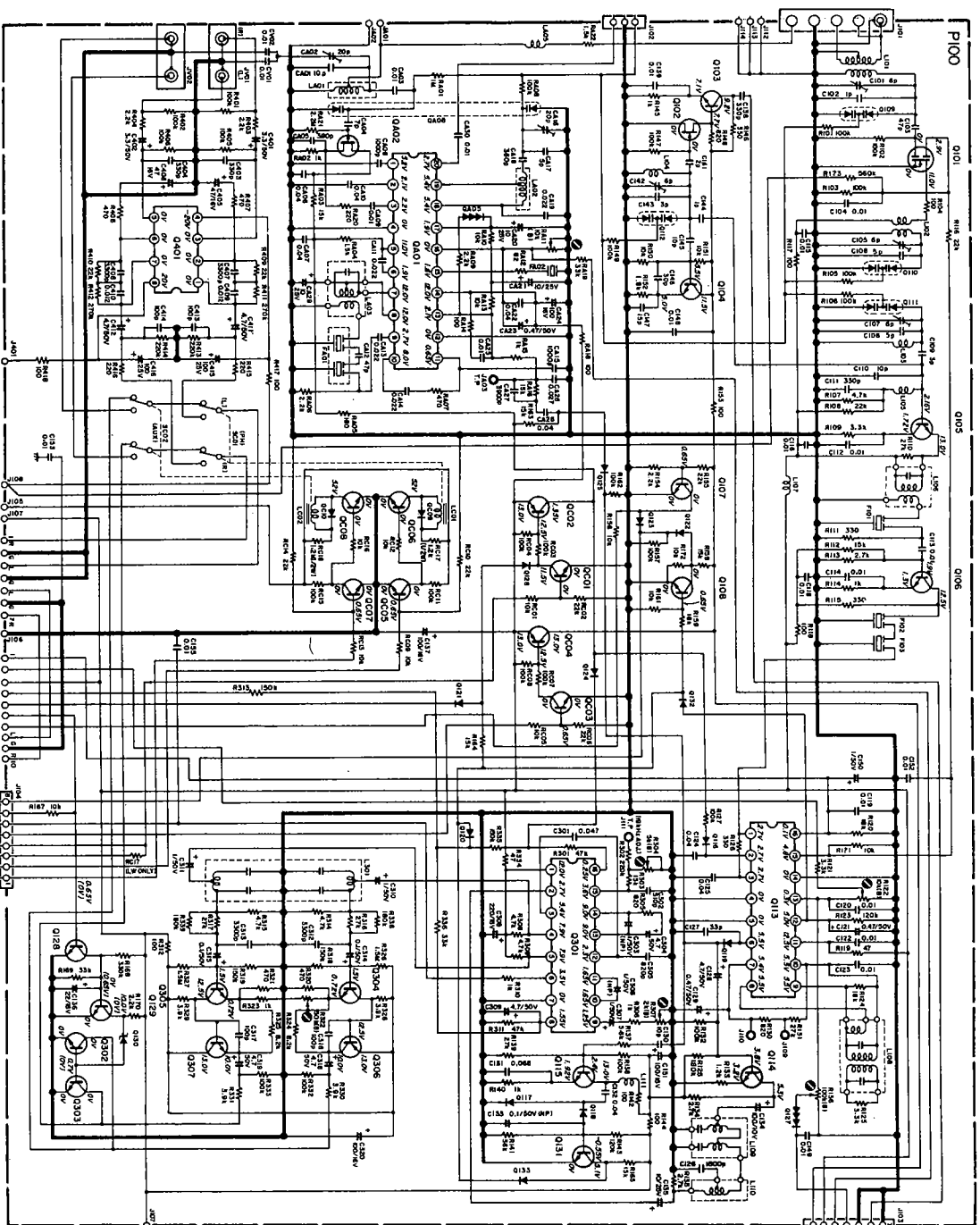
SAFETY: THE PARTS MARKED WITH ∇ ARE IMPORTANT PARTS ON THE SAFETY. PLEASE USE
 THE PARTS HAVING THE DESIGNATED PARTS NUMBERS WITHOUT FAIL.

NOTATION
 for the use in the range other than specified in FTZ codes.

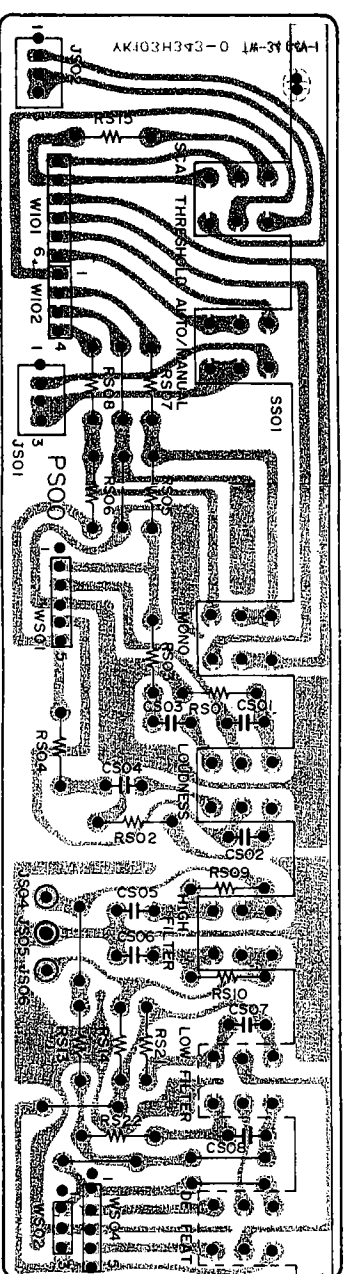
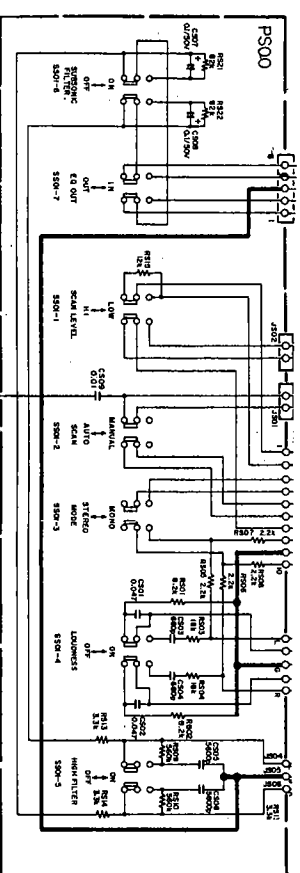
Gerät auch für Frequenzen ausserhalb des in den FTZ-Bestimmungen angegebenen Bereiches empfangsbereit sein,
 den Bereich durch Nachstellen des Kernes in der Oszillatorspule (in der Abbildung mit "FTZ" gekennzeichnet) so
 en, dass er den Bestimmungen entspricht.

7. DIAGRAM AND COMPONENT LOCATIONS

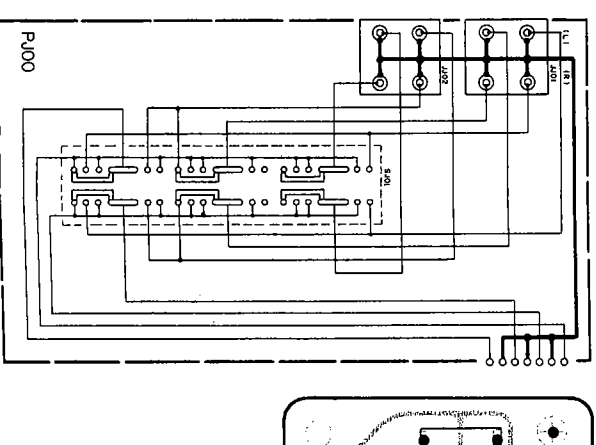
7.1 Tuner/Phono Amp. (P100) Schematic Diagram and Component Locations

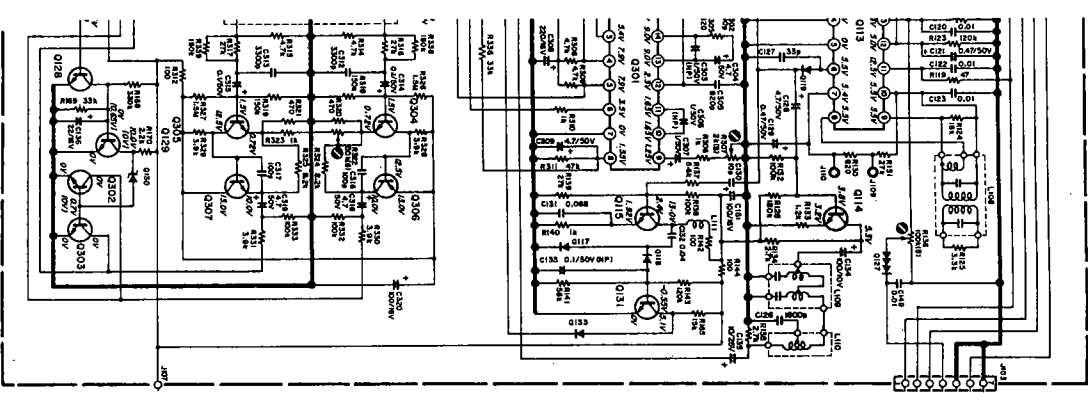


7.2 Filter/Loudness (PS00) Schematic Diagram and Component Locations

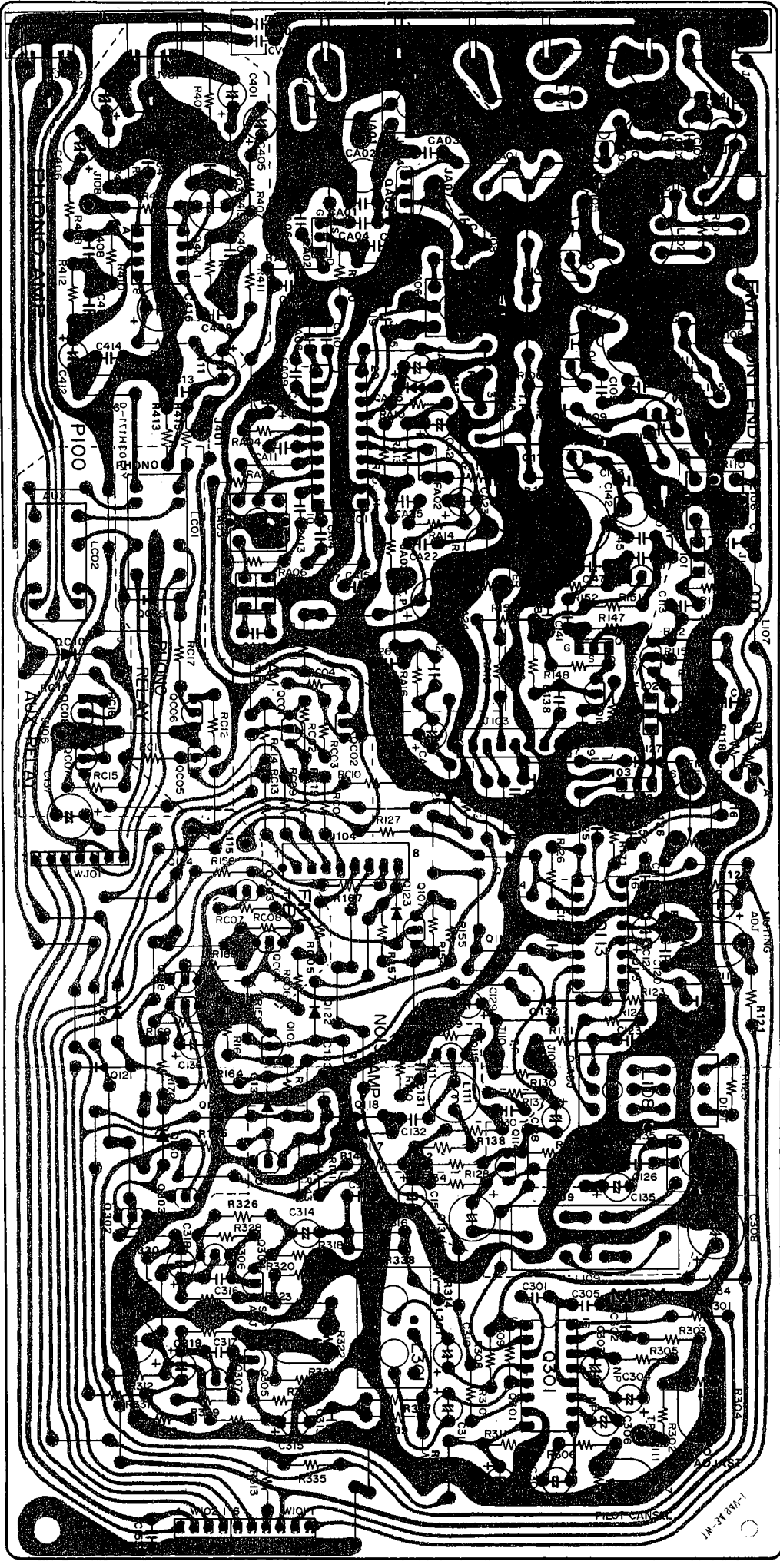
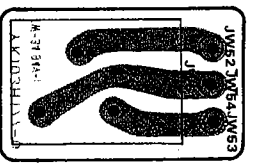
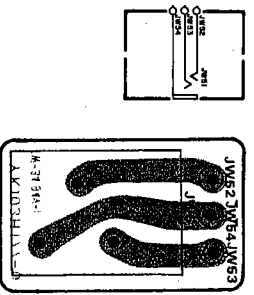


7.5 Tape Monitor Switch (P000) Schem

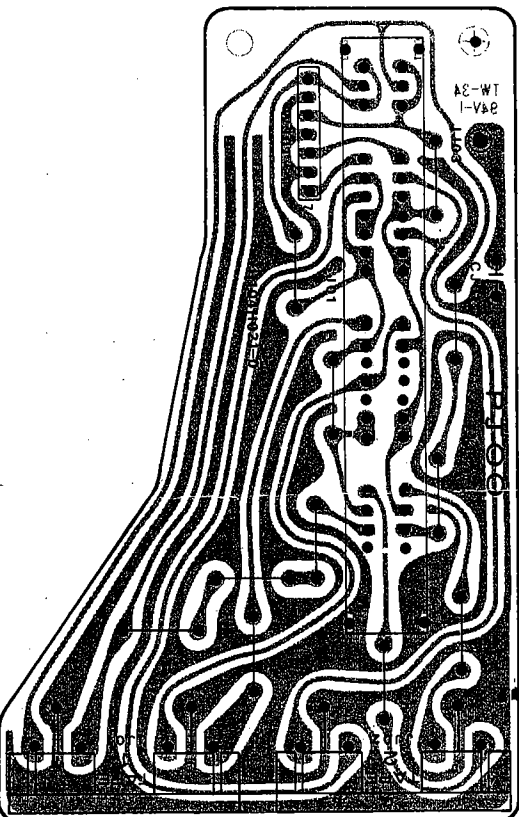
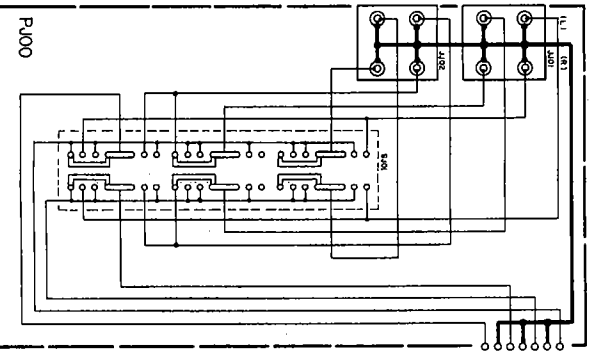




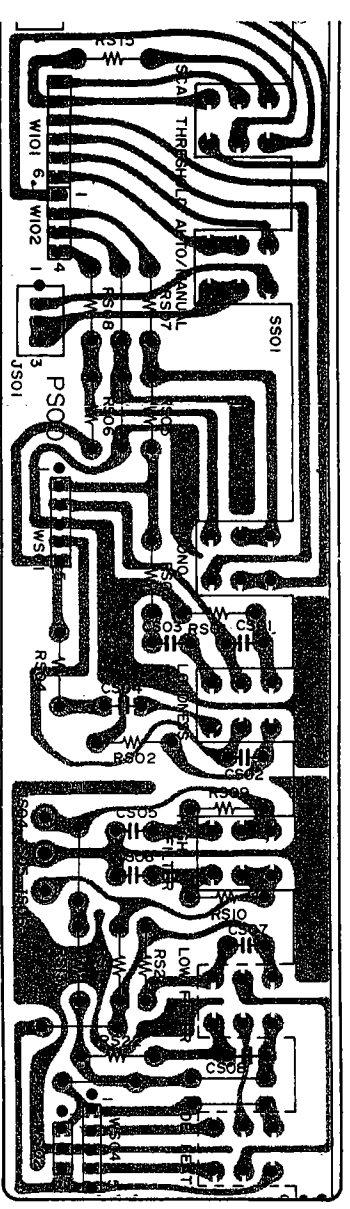
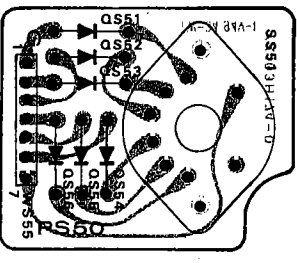
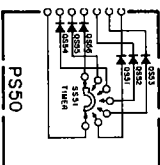
7.3 Head Phone (PW07)
Schematic Diagram and Component Locations

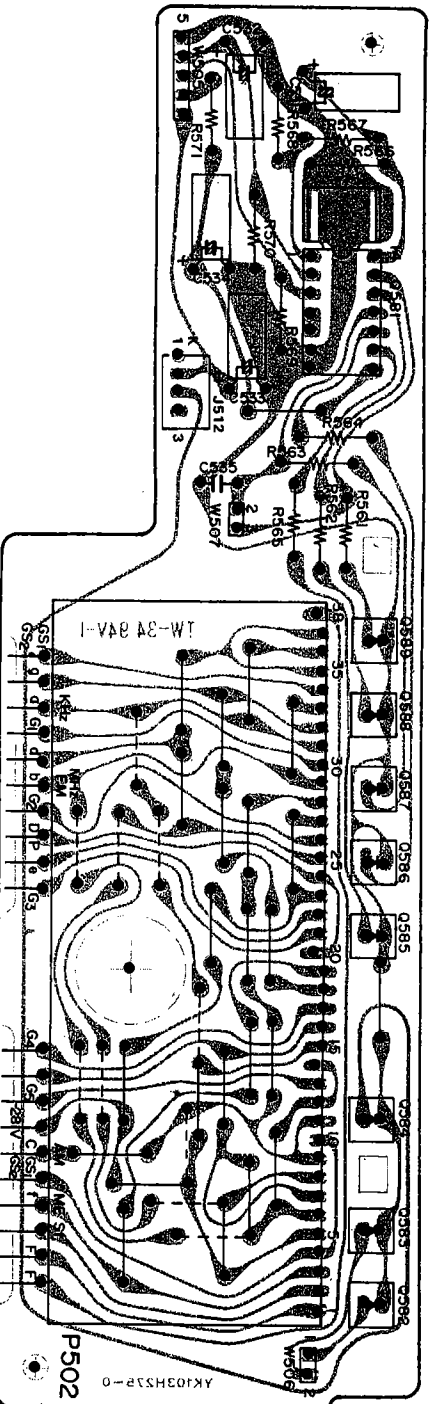
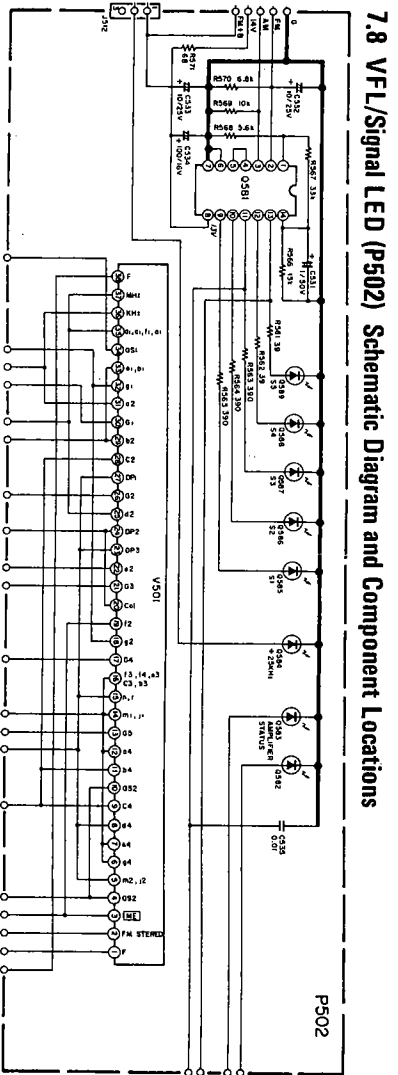
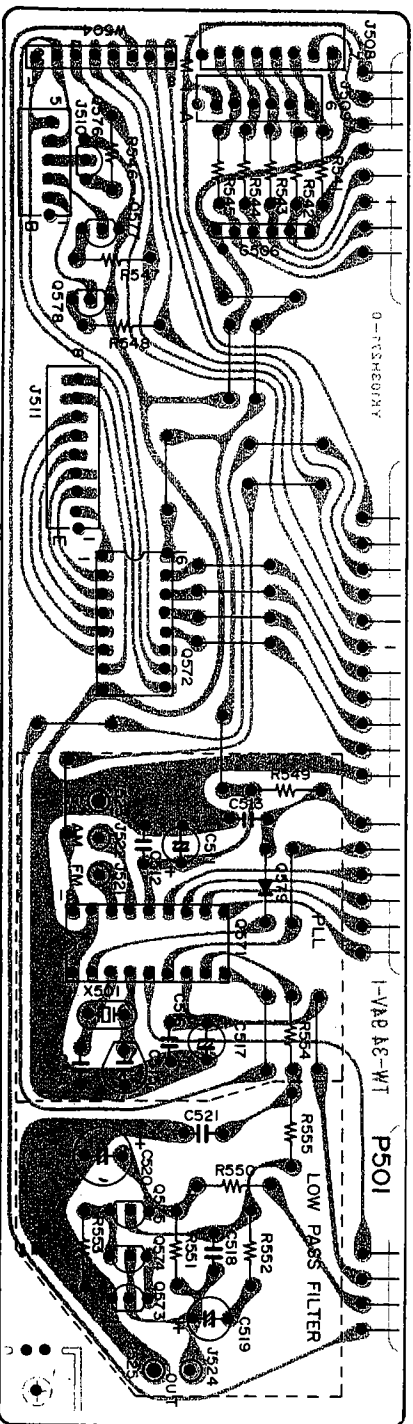
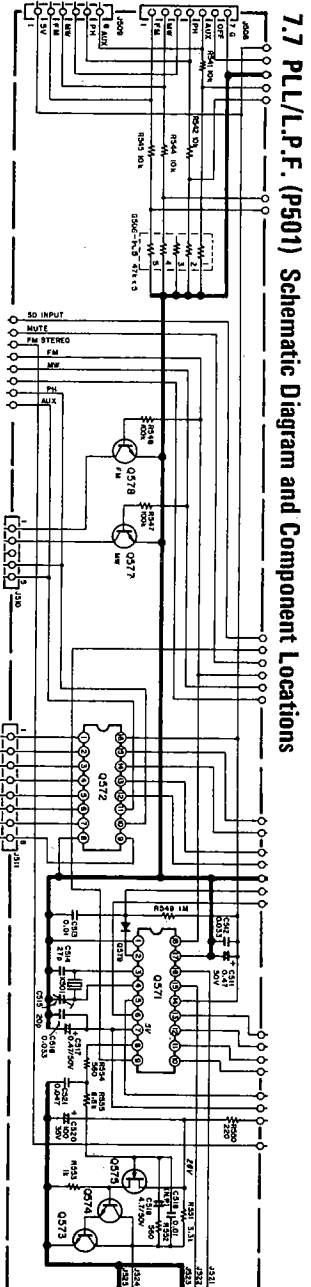
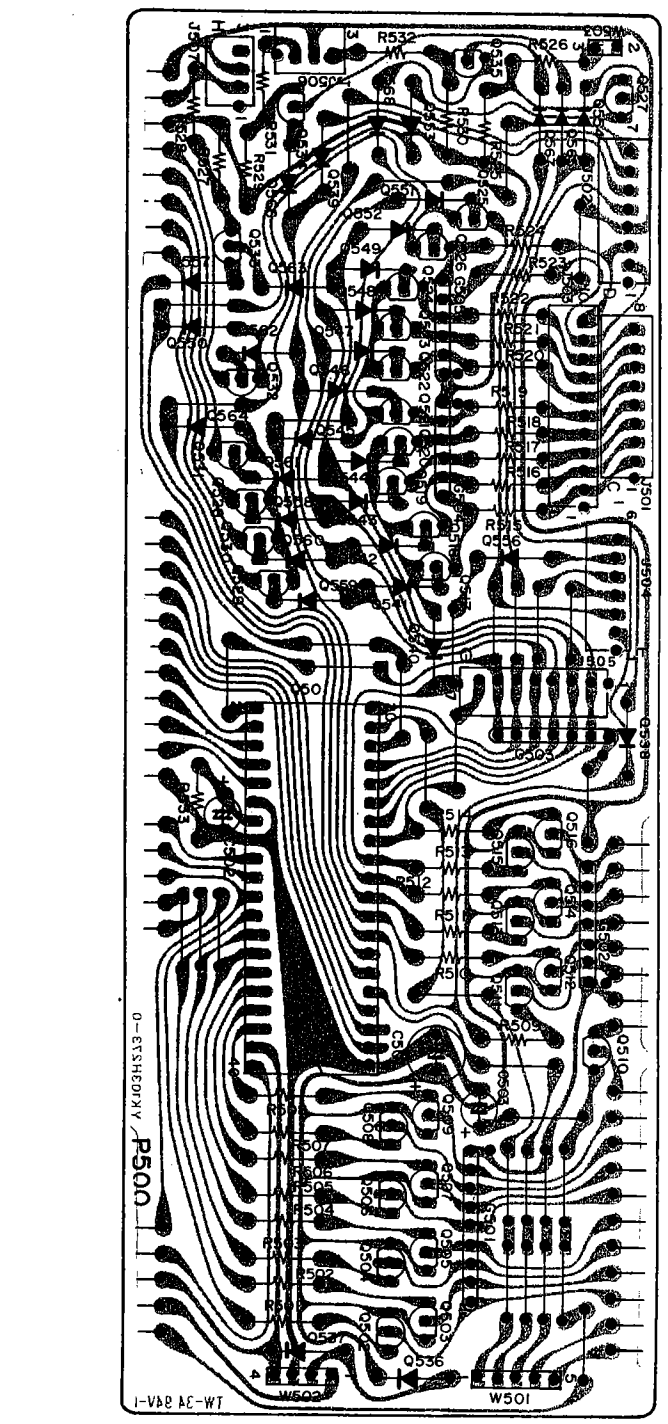
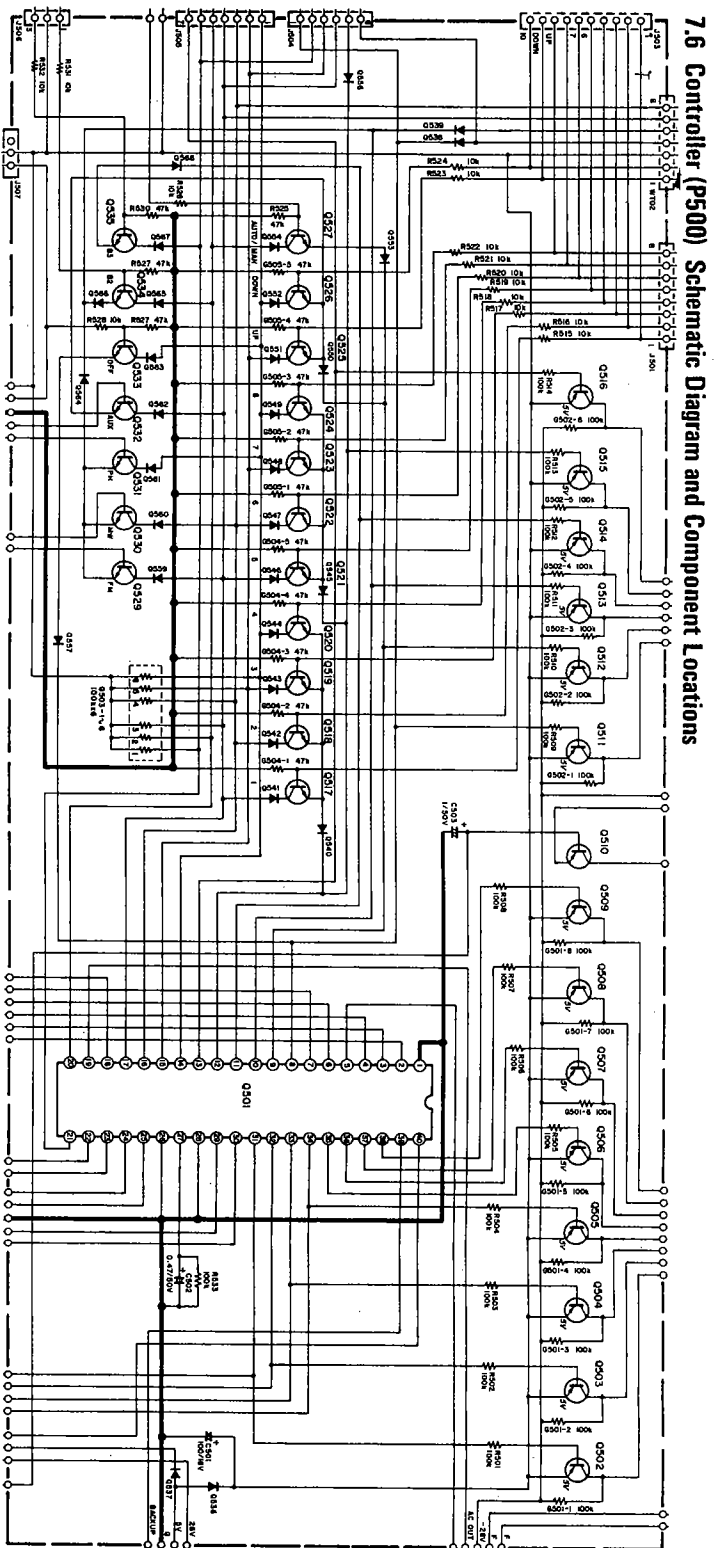


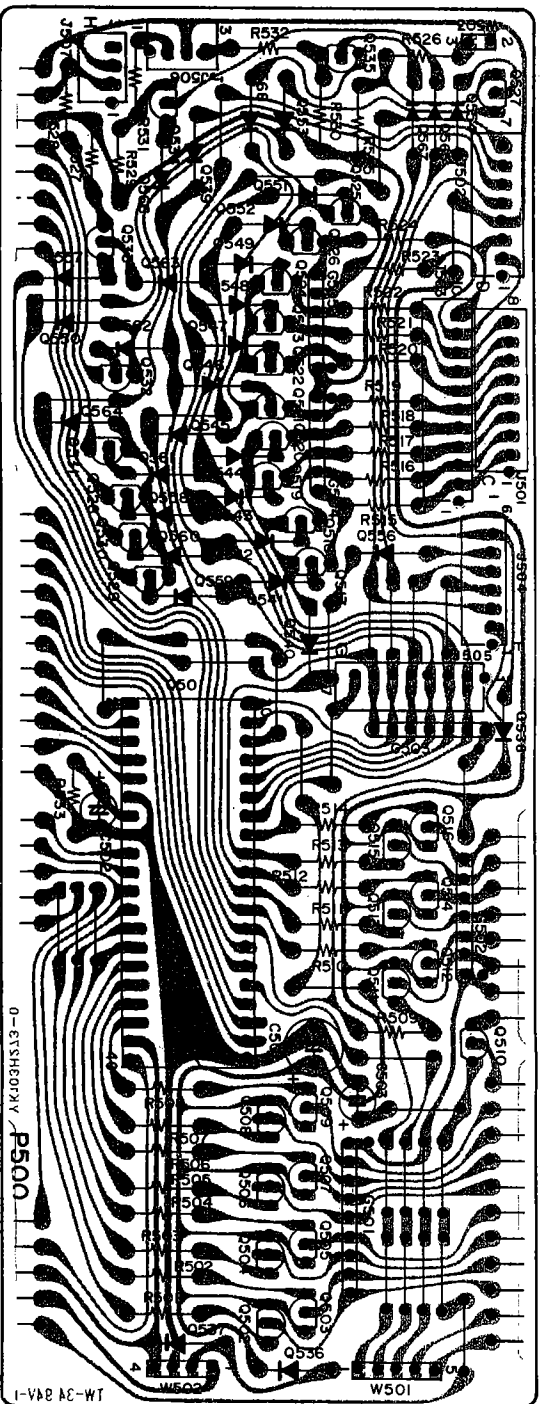
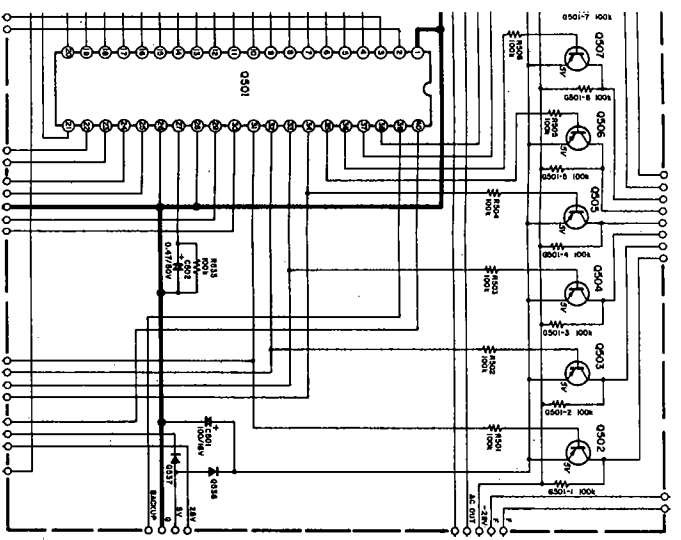
7.5 Tape Monitor Switch (P100) Schematic Diagram and Component Locations



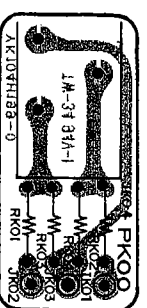
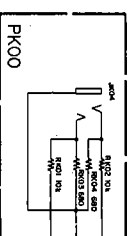
7.4 Timer Switch (P550)
Schematic Diagram and Component Locations



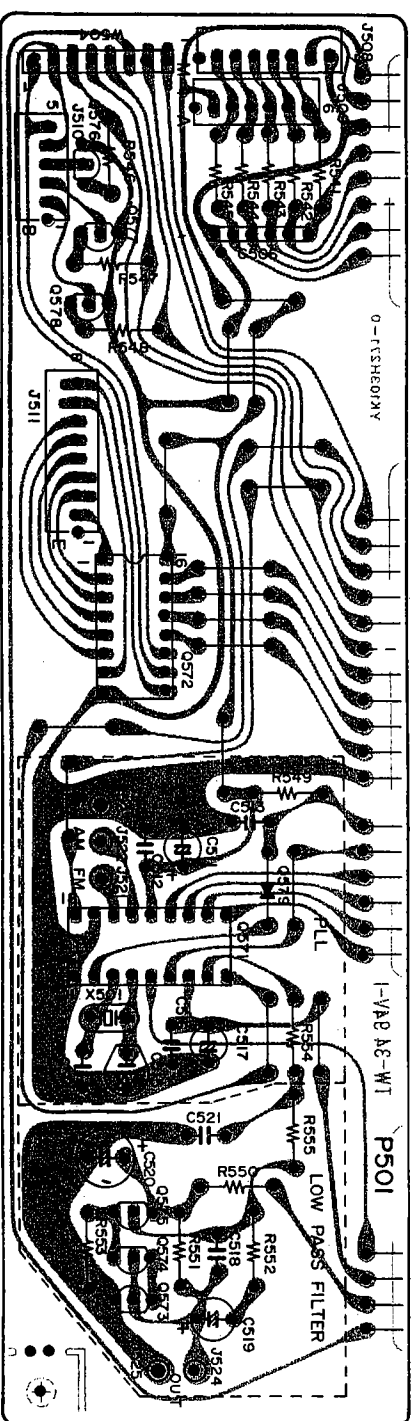
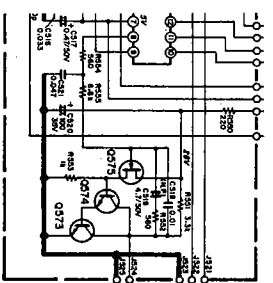
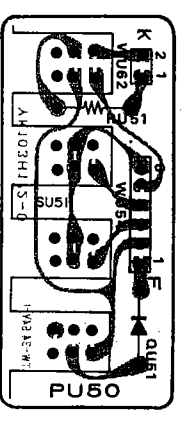
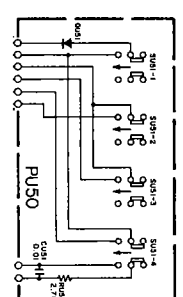




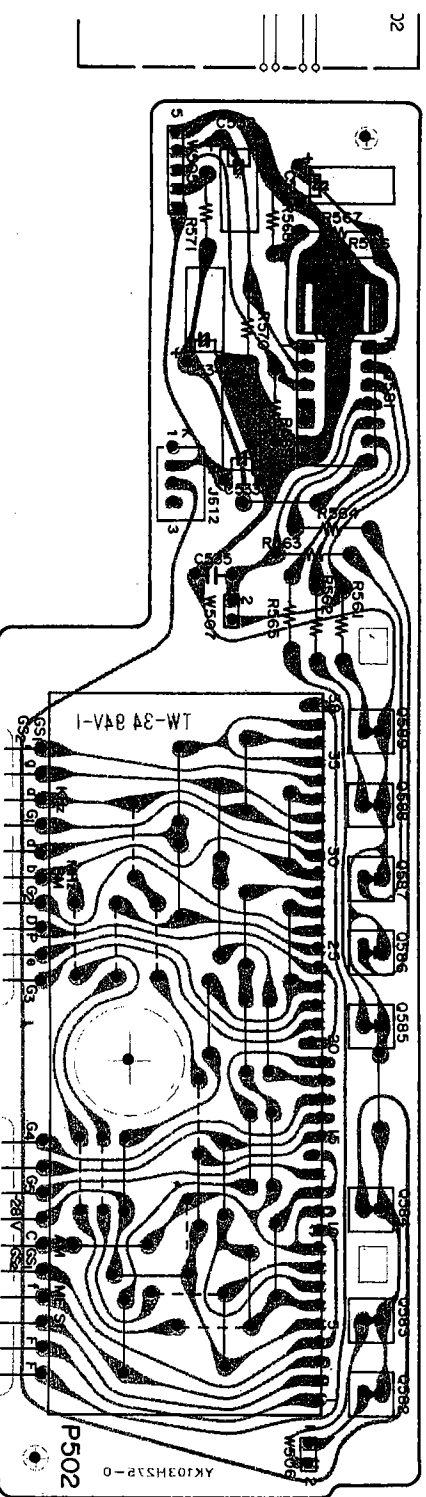
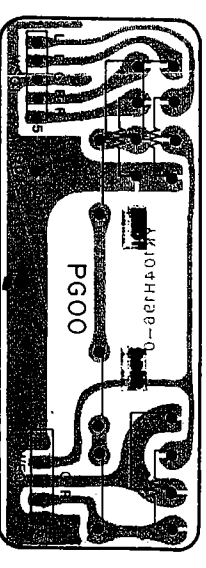
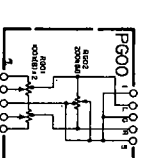
7.9 EQ Out (PK00) Schematic Diagram and Component Locations



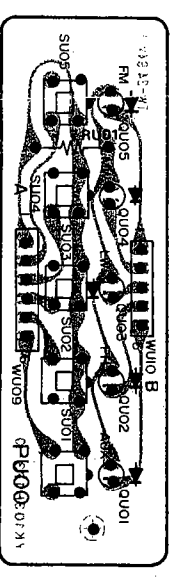
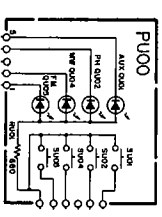
7.10 C/F Display (PU50) Schematic Diagram and Component Locations



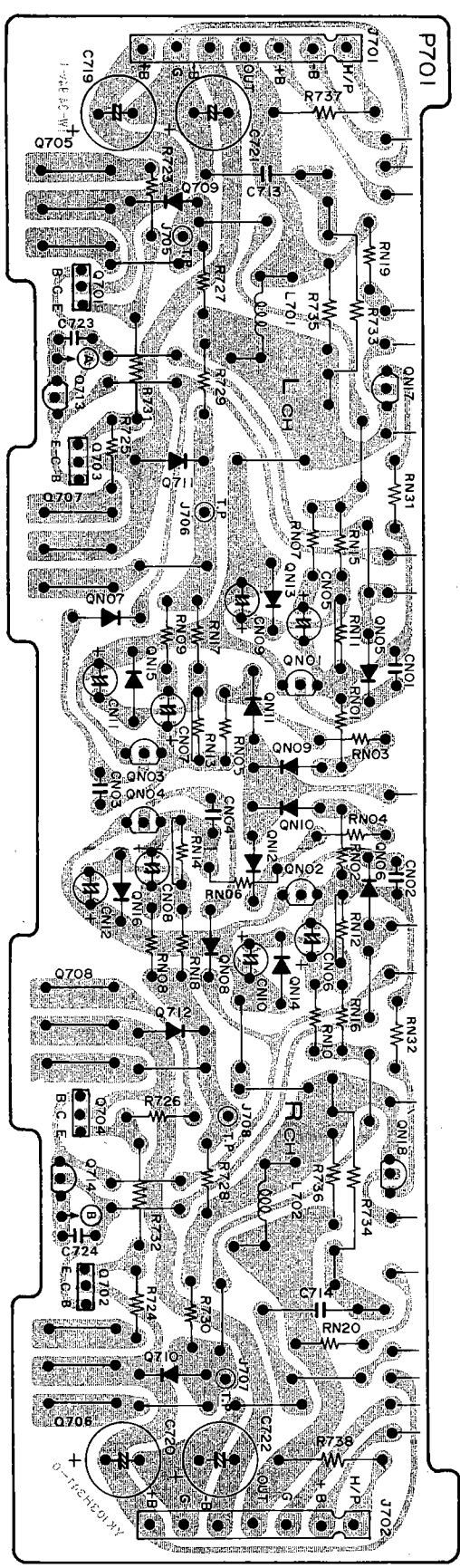
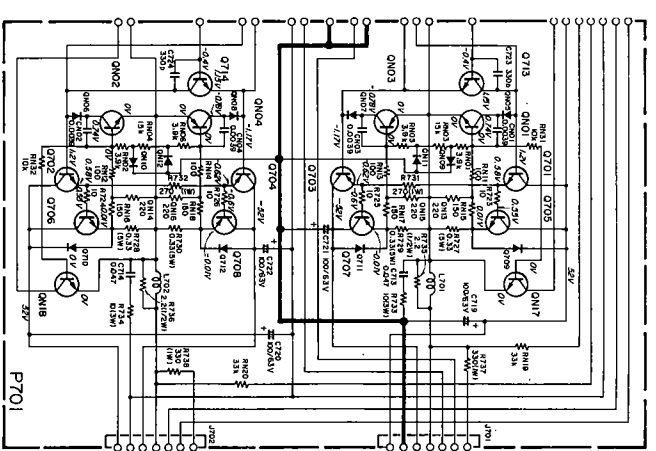
7.11 Vol/Balance (PG00) Schematic Diagram and Component Locations



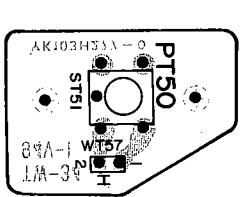
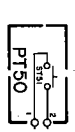
7.12 Function Switch (PU00) Schematic Diagram and Component Locations



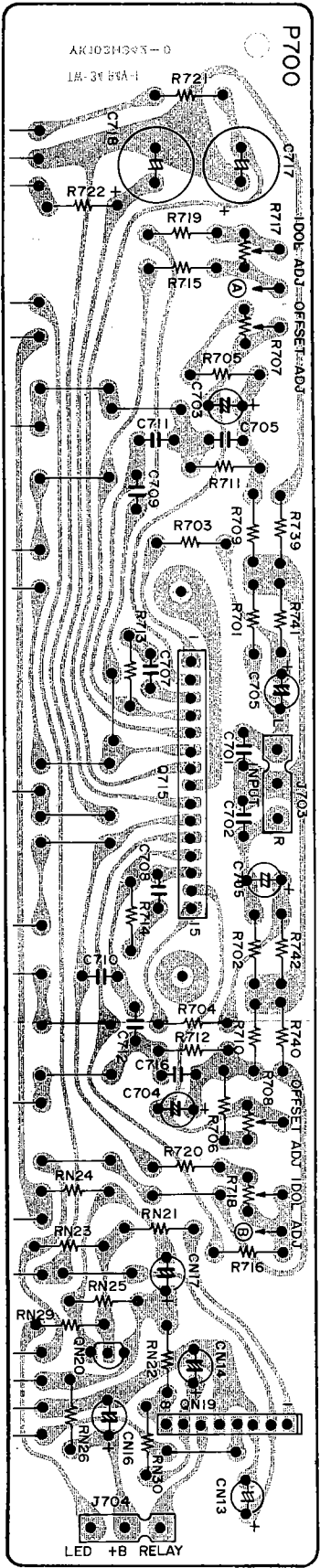
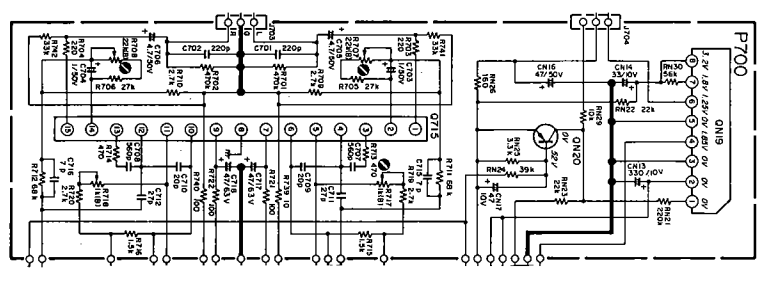
7.13 Main Amp. (P701) Schematic Diagram and Component Locations



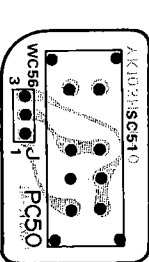
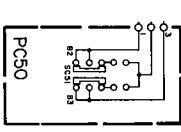
7.16 Power Off Switch (PT50) Schematic Diagram and Component Locations



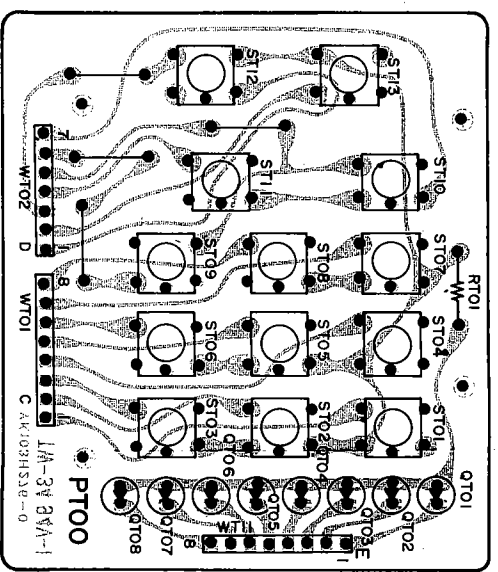
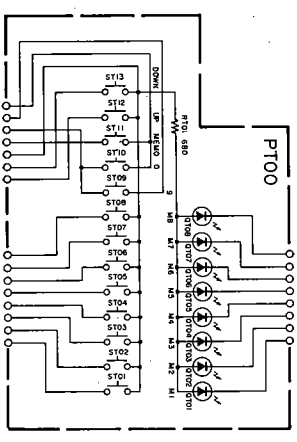
7.14 Main Amp. (P700) Schematic Diagram and Component Locations



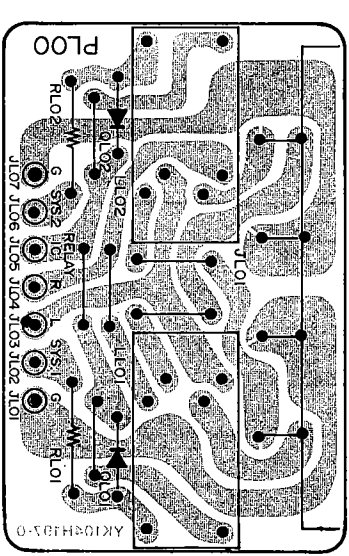
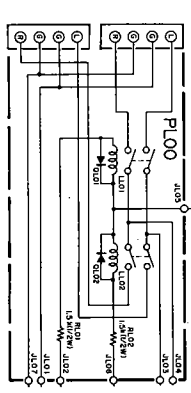
7.17 Scan Step Switch (PC50) Schematic Diagram and Component Locations



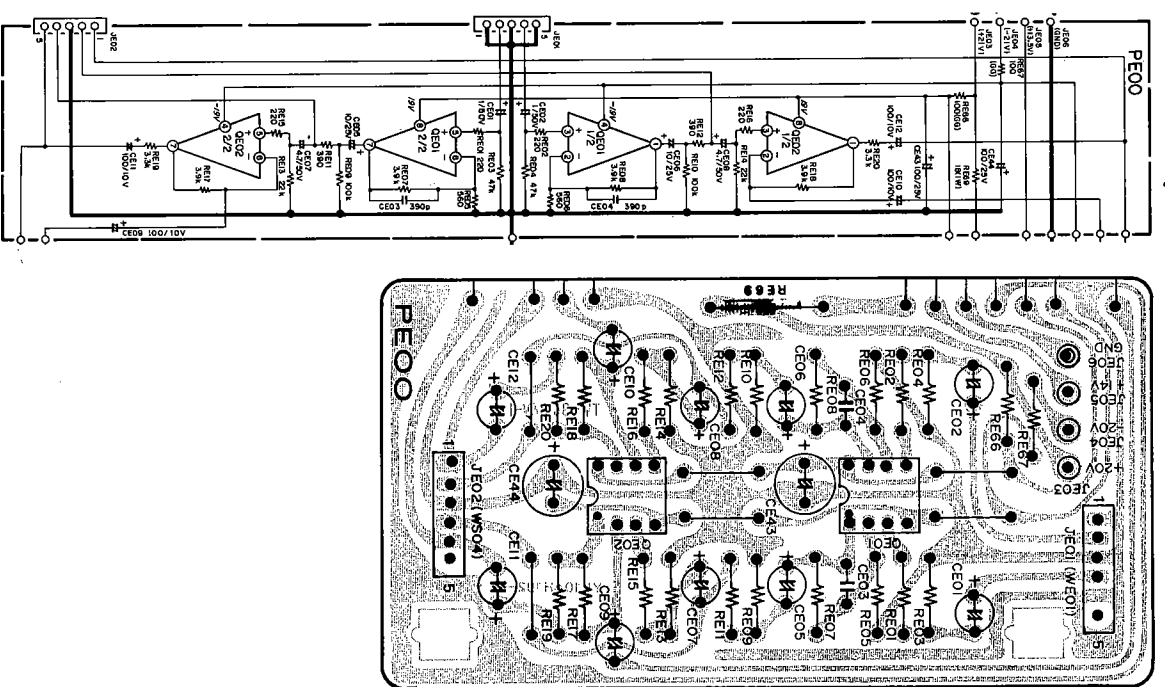
7.15 Key Board Switch (PT00) Schematic Diagram and Component Locations



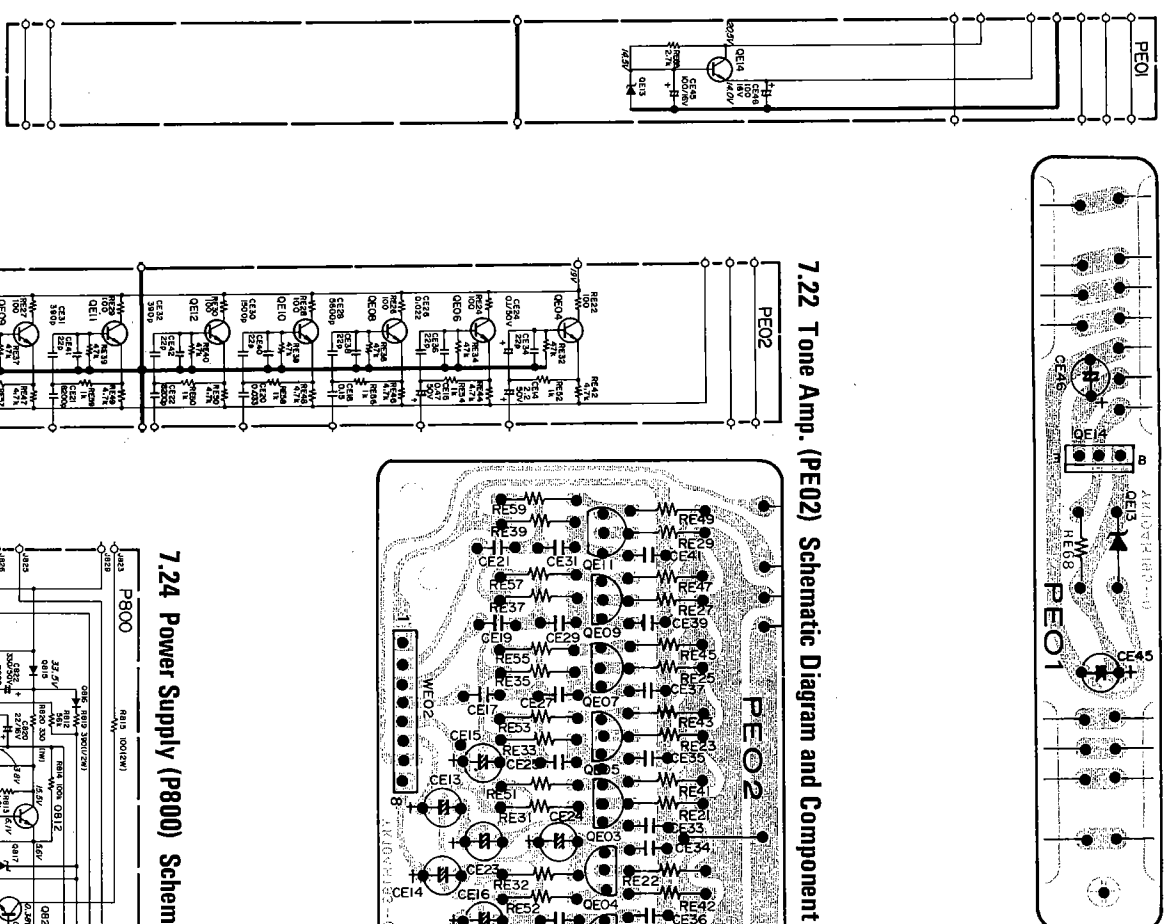
7.18 Speaker Protector (PL00) Schematic Diagram and Component Locations



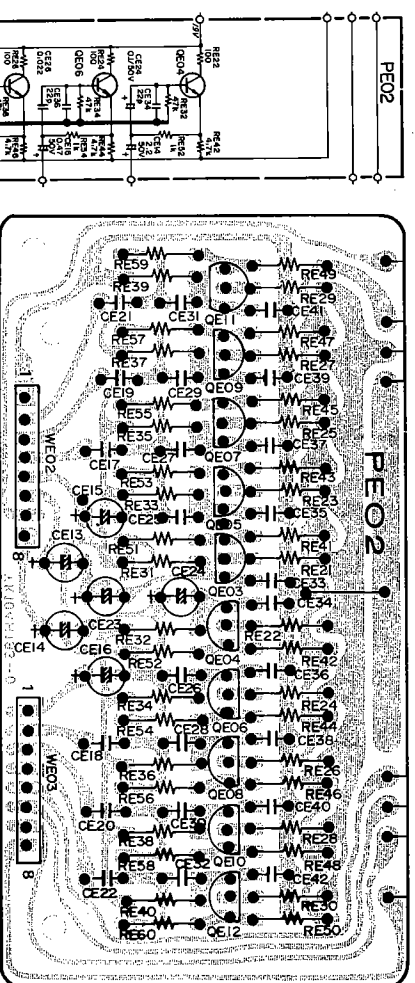
7.19 Tone Amp. (PE00) Schematic Diagram and Component Locations



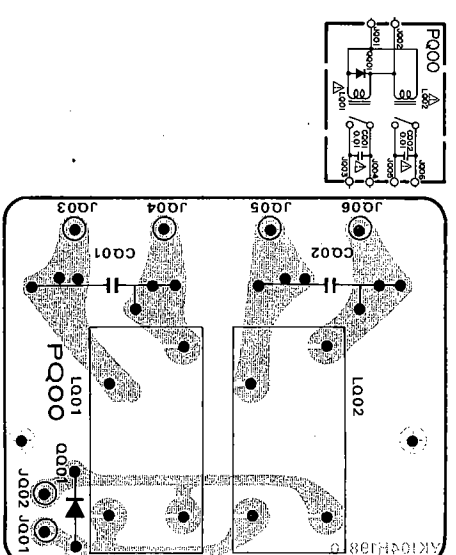
7.21 Connection (PE01) Schematic Diagram and Component Locations



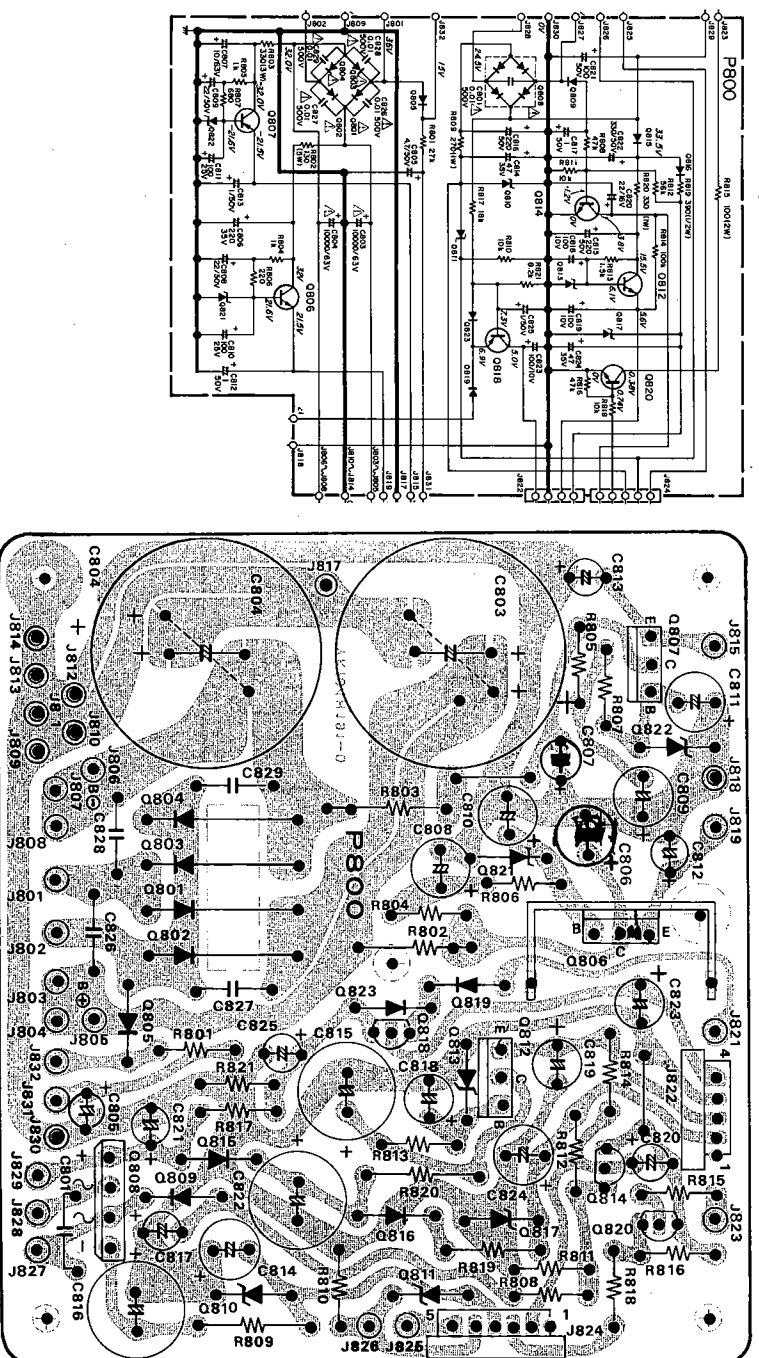
7.22 Tone Amp. (PE02) Schematic Diagram and Component Locations



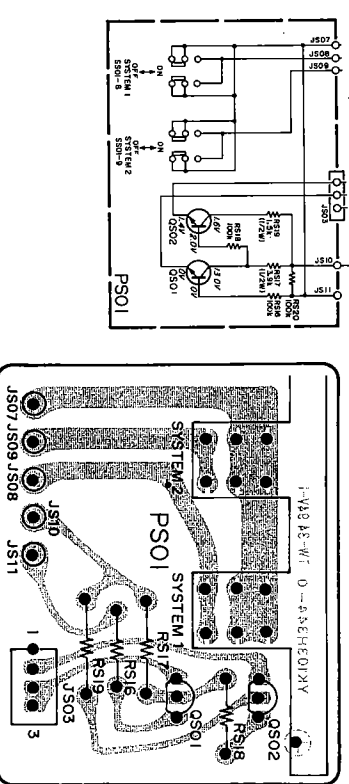
7.23 AC Power Relay (PQ00) Schematic Diagram and Component Locations



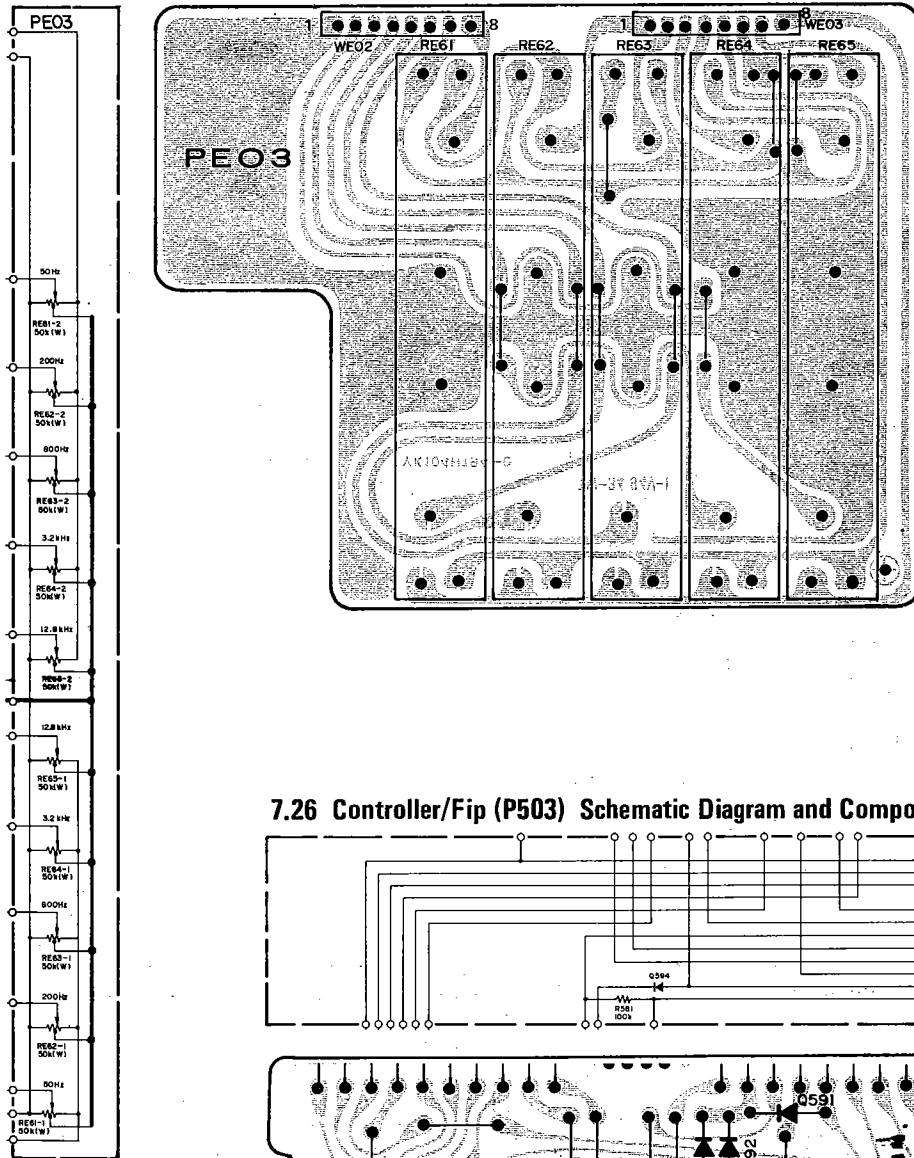
7.24 Power Supply (P800) Schematic Diagram and Component Locations



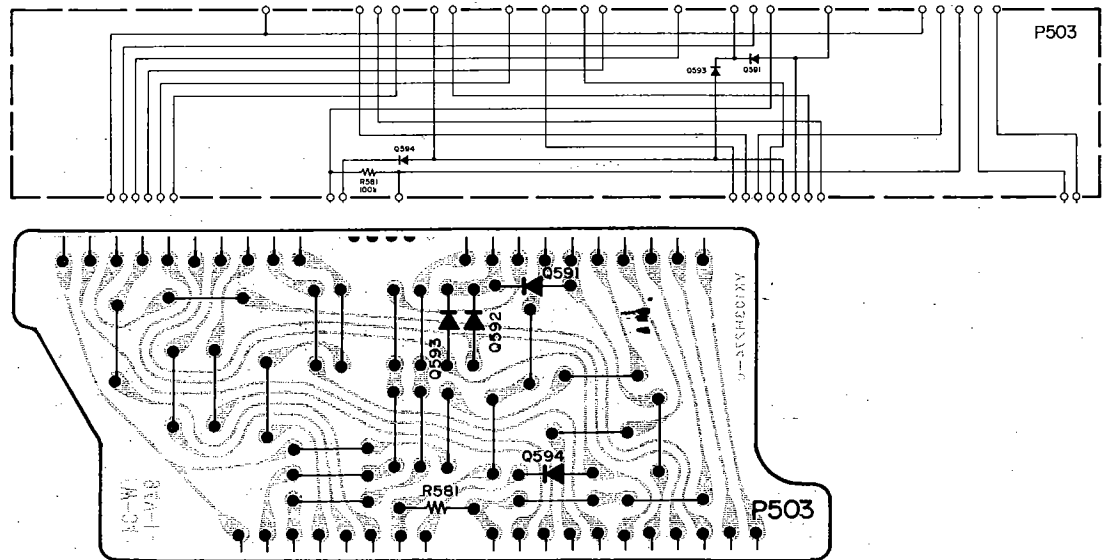
7.20 Speaker Switch (PS01) Schematic Diagram and Component Locations



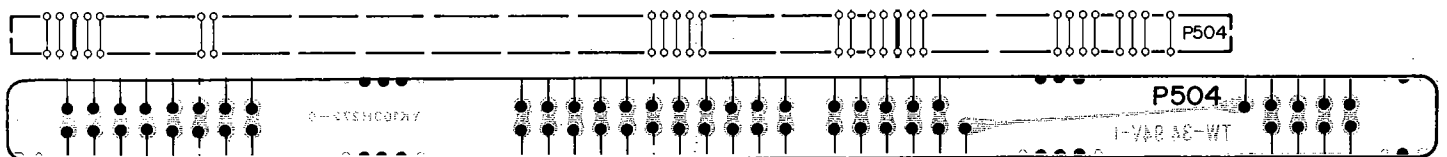
7.25 Tone Volume (PE03) Schematic Diagram and Component Locations



7.26 Controller/Fip (P503) Schematic Diagram and Component Locations

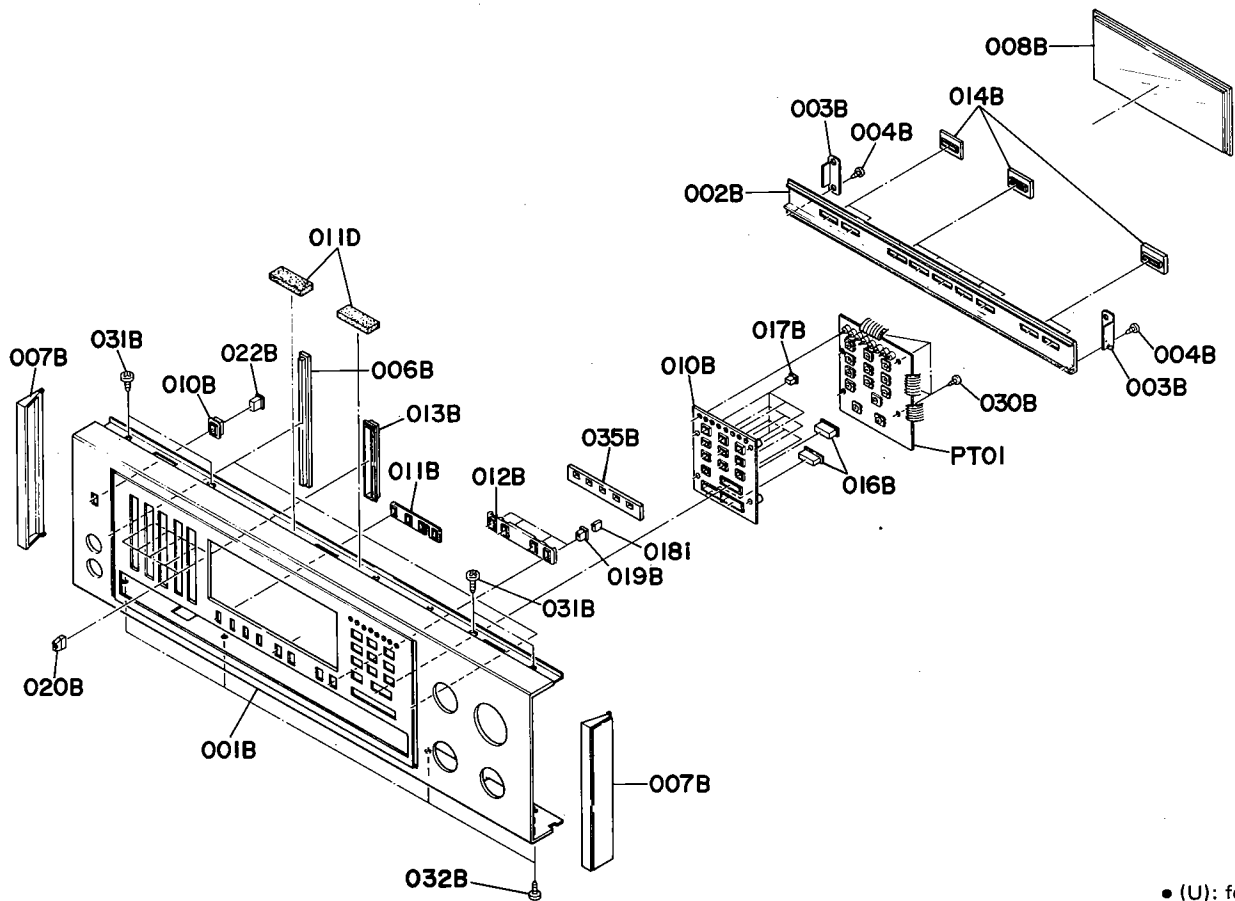


7.27 Controller/PLL (P504) Schematic Diagram and Component Locations



8. EXPLODED VIEW AND PARTS LIST

8.1 [C01-99] Front Panel

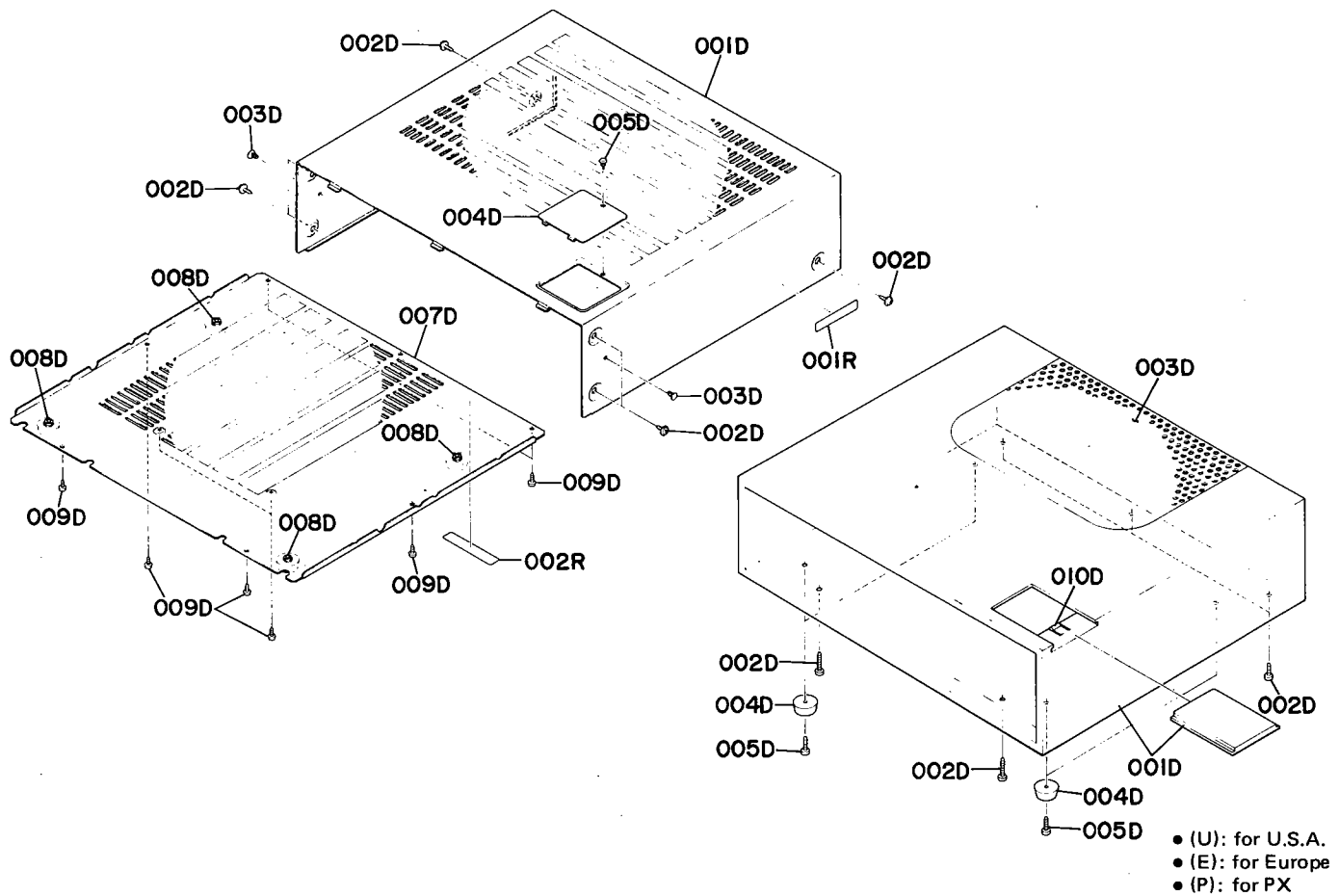


- (U): for U.S.A.
- (E): for Europe
- (P): for PX

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|----------------------------|
| | U | E | P | | |
| A | 1 | 1 | | 104H063400 | Front Panel Assembly |
| A1 | | | 1 | 104H063410 | Front Panel Assembly |
| 001B | 1 | 1 | 1 | 104H063010 | Escutcheon, Front Panel |
| 002B | 1 | 1 | 1 | 104H063050 | Escutcheon, Sub Panel |
| 003B | 2 | 2 | 2 | 103H063030 | Escutcheon, Sub Panel Side |
| 004B | 2 | 2 | 2 | 51280304B0 | B.H. Tapped Screw B3 x 4 |
| 006B | 2 | 2 | 2 | 211H063020 | Escutcheon |
| 007B | 2 | 2 | | 211H067010 | Cap, Panel Side |
| 008B | 1 | 1 | 1 | 103H158010 | Window |
| 010B | 1 | 1 | 1 | 103H259010 | Bushing |
| 011B | 1 | 1 | 1 | 103H259030 | Bushing |
| 012B | 1 | 1 | 1 | 103H259020 | Bushing, Function Switch |
| 013B | 5 | 5 | 5 | 2129259020 | Bushing, Tone Control |
| 014B | 9 | 9 | 9 | 208H259010 | Bushing, Push Switch |
| 035B | 1 | 1 | 1 | 103H056010 | Buffer, Function Switch |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|----|----|------------|----------------------------|
| | U | E | P | | |
| 016B | 3 | 3 | 3 | 103H154020 | Knob, Memo/Scan |
| 017B | 10 | 10 | 10 | 103H154030 | Knob, Preset |
| 019B | 4 | 4 | 4 | 103H154050 | Knob, Function Switch |
| 020B | 5 | 5 | 5 | 2129154040 | Knob, Tone Control |
| 030B | 4 | 4 | 4 | 51302606B0 | P.H. Tapped Screw P2.6 x 6 |
| 031B | 4 | 4 | 4 | 51280306B0 | B.H. Tapped Screw B3 x 6 |
| 032B | 4 | 4 | 4 | 51280308B0 | B.H. Tapped Screw B3 x 8 |
| 022B | 1 | 1 | 1 | 103H154030 | Knob Power Off |
| 011D | 2 | 2 | | 2965118010 | Spacer |
| 018i | 4 | 4 | 4 | 103H259050 | Bushing |

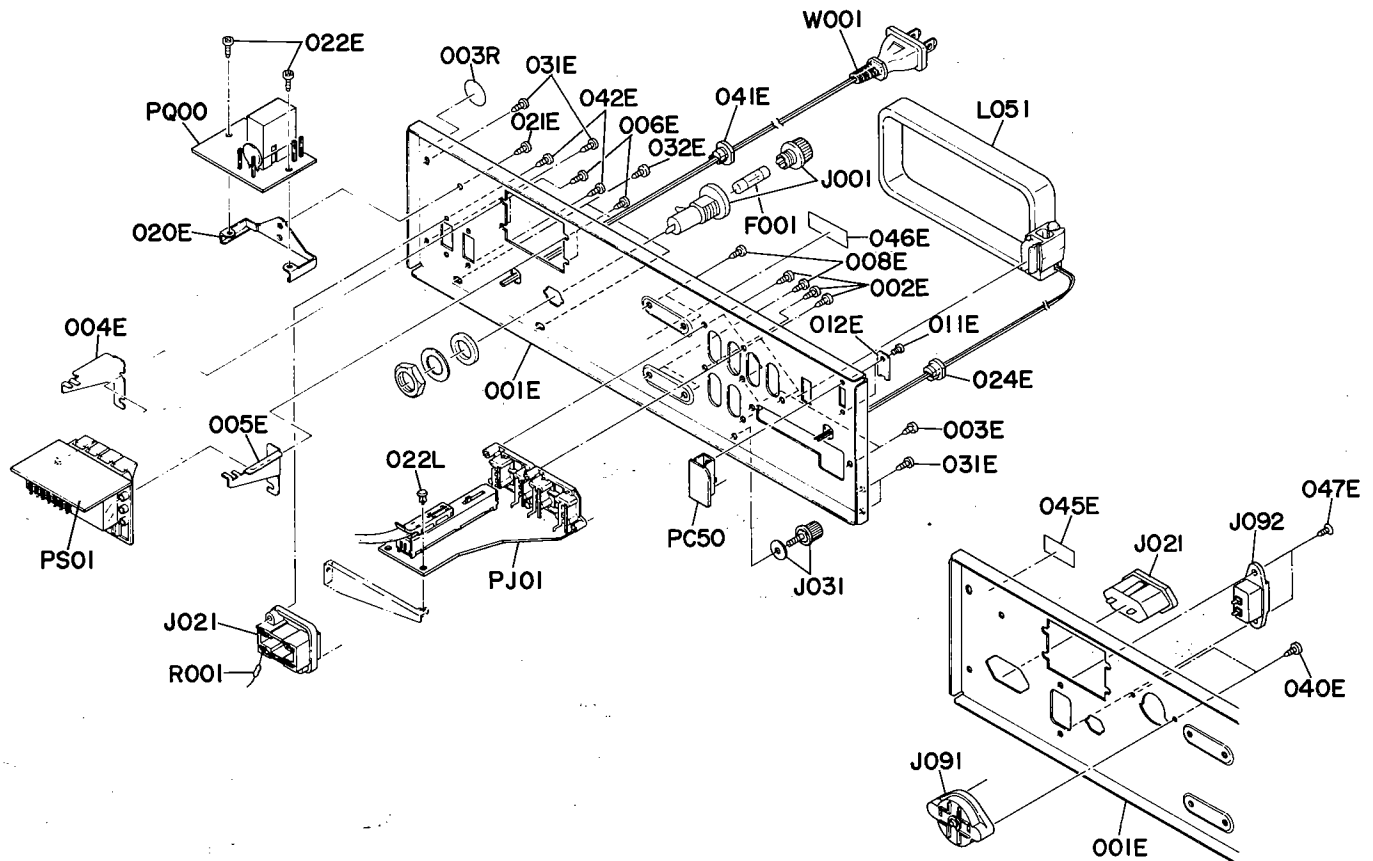
8.2 [C02-99] Top Cover



| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|--------------------------|
| | U | E | P | | |
| 001D | 1 | 1 | | 103H257010 | Lid, Top Cover |
| 001D | | | 1 | 103H064500 | Case Assembly, Wood |
| 002D | 6 | | | 51260408Z0 | B.T. Screw B4 x 8 |
| 002D | 6 | | | 51260408U0 | B.T. Screw B4 x 8 |
| 002D | | 5 | | 51260320U0 | B.T. Screw B3 x 20 |
| 003D | 2 | 2 | | 2991259110 | Bushing |
| 003D | | 1 | | 2116003010 | Punched Plate |
| 004D | 1 | 1 | | 103H257020 | Lid, Battery Cover |
| 004D | | 4 | | 2908057010 | Leg |
| 005D | 1 | 1 | | 2276005050 | Clumper |
| 005D | | 4 | | 51524116A0 | R.H. Wood Screw |
| 007D | 1 | 1 | | 103H257030 | Lid, Bottom Cover |
| 007D | | 1 | | 103H257030 | Lid, Bottom Cover |
| 008D | 4 | 4 | | 403H057010 | Leg |
| 009D | 9 | 9 | | 51280308B0 | B.H. Tapped Screw B3 x 8 |
| 009D | | 4 | | 51280308B0 | B.H. Tapped Screw B3 x 8 |
| 010D | | 1 | | 103H115010 | Spring |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|-------------|
| | U | E | P | | |
| 001R | 1 | 1 | 1 | 2932861110 | Label |
| 002R | 1 | 1 | 1 | 2578861010 | Label |

8.3 [C03-99] Rear Panel

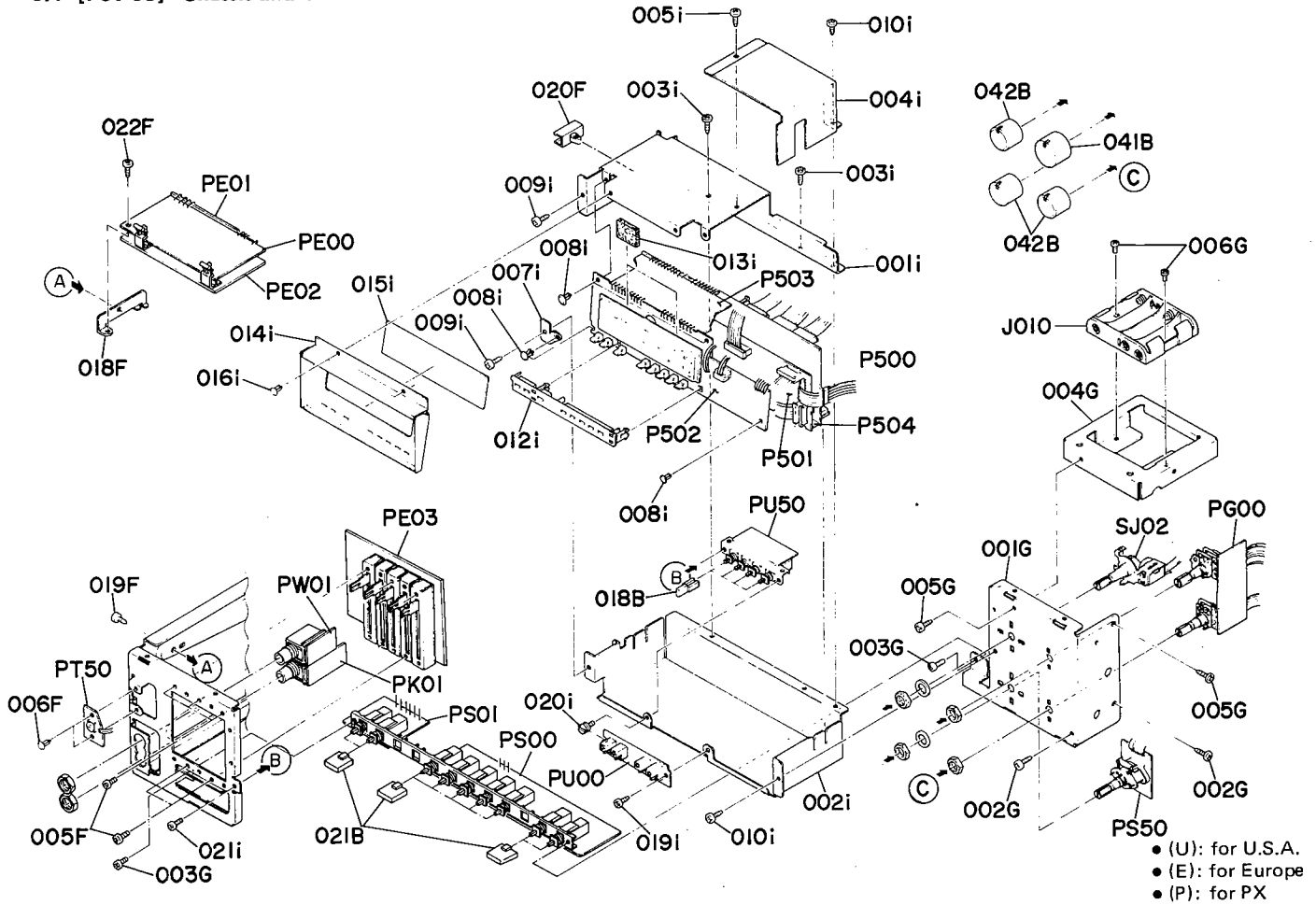


- (U): for U.S.A.
- (E): for Europe
- (P): for PX

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|---------------------------|
| | U | E | P | | |
| 001E | 1 | | | 104H160210 | Bracket, Rear Panel |
| 001E | | 1 | | 104H160220 | Bracket, Rear Panel |
| 001E | | | 1 | 104H160230 | Bracket, Rear Panel |
| 002E | 6 | 6 | 6 | 51280308U0 | B.H. Tapped Screw B3 x 8 |
| 003E | 2 | 2 | 2 | 51280308U0 | B.H. Tapped Screw B3 x 8 |
| 004E | 1 | 1 | 1 | 103H160060 | Bracket |
| 005E | 1 | 1 | 1 | 103H160070 | Bracket |
| 006E | 4 | 4 | 4 | 51280308U0 | B.H. Tapped Screw B3 x 8 |
| 008E | 4 | 4 | 4 | 51280308U0 | B.H. Tapped Screw B3 x 8 |
| 011E | 2 | 2 | 2 | 51102604S0 | B.H.M. Screw B2.6 x 4 |
| 012E | 1 | 1 | 1 | 2137114010 | Stopper |
| 020E | 1 | 1 | 1 | 103H160040 | Bracket, Relay P.W. Board |
| 021E | 1 | 1 | 1 | 51280308U0 | B.H. Tapped Screw B3 x 8 |
| 022E | 2 | 2 | 2 | 51280308U0 | B.H. Tapped Screw B3 x 8 |
| 024E | 1 | 1 | 1 | 1455259010 | Bushing, Antenna Cord |
| 031E | 4 | 4 | 4 | 51280308U0 | B.H. Tapped Screw B3 x 8 |
| 032E | 2 | 2 | 2 | 51280308U0 | B.H. Tapped Screw B3 x 8 |
| 040E | | 2 | 2 | 51280308U0 | B.H. Tapped Screw B3 x 8 |
| 041E | 1 | | 1 | 1455259030 | Bushing, AC Cord |
| 042E | 2 | | 2 | 51280310U0 | B.H. Tapped Screw B3 x 10 |
| 045E | | 1 | | 4581861010 | Label |
| 046E | 1 | 1 | 1 | 2112265010 | Indicator |
| 047E | | 2 | | 51870308U0 | Screw 3 x 8 |
| 003R | 1 | | | 9511101070 | Label, UL |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|--------------------------|
| | U | E | P | | |
| Δ F001 | 1 | | | FS10500500 | Fuse 5A 250V |
| Δ F001 | | 1 | | FS10250800 | Fuse 2.5A 250V |
| Δ F001 | | | 1 | FS10500600 | Fuse 5A 250V |
| Δ J001 | 1 | | | YJ08000310 | Jack, Fuse Holder |
| Δ J001 | | 1 | | YJ08000290 | Jack, Fuse Holder |
| Δ J001 | | | 1 | YJ08000300 | Jack, Fuse Holder |
| Δ J021 | 1 | 1 | 1 | YJ04000750 | Jack, AC Outlet |
| Δ J021 | | 1 | | YJ04000850 | Jack, AC Outlet |
| J031 | 1 | 1 | 1 | YL03010250 | Terminal, Ground |
| Δ J091 | 1 | 1 | | BY05080040 | Voltage Selector |
| Δ J092 | | 1 | | YP04000590 | Plug, AC Inlet |
| L051 | 1 | 1 | 1 | LA00015010 | Antenna Coil, Loop |
| R001 | 1 | | | RC10225120 | Resistor 2.2MΩ ±10% 1/2W |
| Δ W001 | 1 | | | YC01900070 | A.C. Power Cord |
| Δ W001 | | | 1 | YC01800190 | A.C. Power Cord |

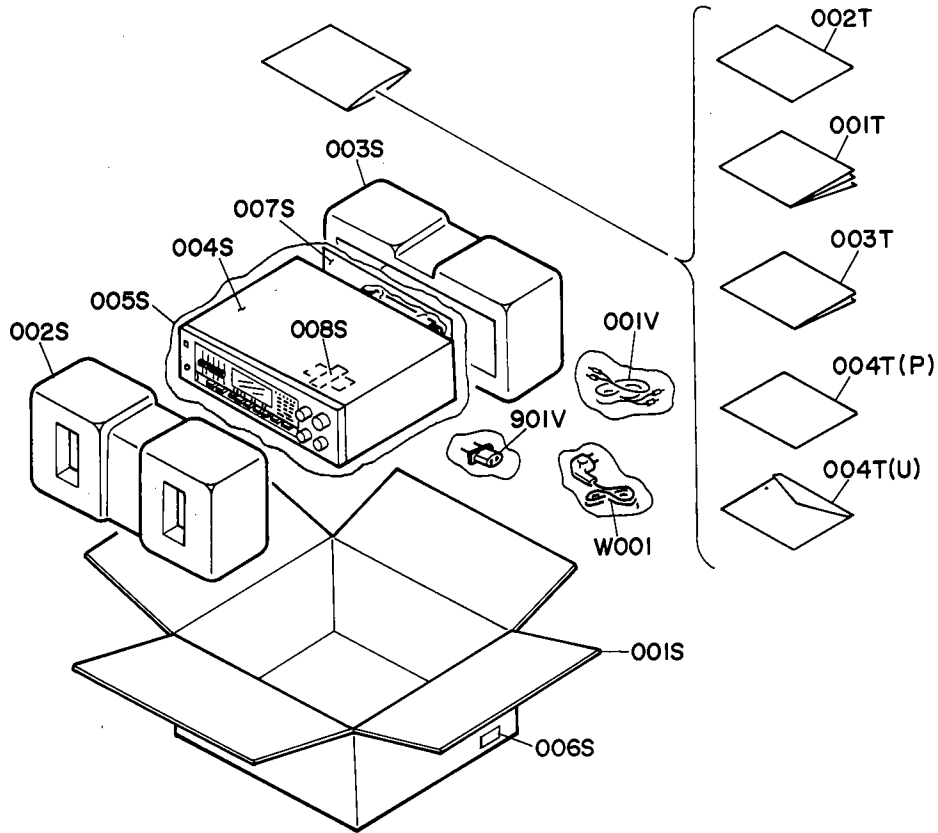
8.4 [P01-99] Chassis and General Parts



| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|----------------------------|
| | U | E | P | | |
| 018B | 4 | 4 | 4 | 103H154040 | Knob |
| 021B | 9 | 9 | 9 | 208H154060 | Knob, Push Switch |
| 041B | 1 | 1 | 1 | 103H154010 | Knob, Volume |
| 042B | 3 | 3 | 3 | 208H154020 | Knob |
| 005F | 5 | 5 | 5 | 51100306A9 | B.H.M. Screw B3 x 6 |
| 006F | 2 | 2 | 2 | 2276005050 | Clamper |
| 017F | 2 | 2 | 2 | 2139271020 | Holder |
| 018F | 1 | 1 | 1 | 104H160030 | Bracket |
| 019F | 1 | 1 | 1 | 51280308B0 | B.H. Tapped Screw B3 x 8 |
| 020F | 1 | 1 | 1 | 2218271020 | Holder |
| 022F | 1 | 1 | 1 | 51260308B0 | B.T. Screw B3 x 8 |
| 001G | 1 | 1 | 1 | 103H160010 | Bracket, Front Shassis |
| 002G | 2 | 2 | 2 | 51280308B0 | B.H. Tapped Screw B3 x 8 |
| 003G | 2 | 2 | 2 | 51100306A9 | B.H.M. Screw B3 x 6 |
| 004G | 1 | 1 | 1 | 103H160020 | Bracket, Battery Case |
| 005G | 2 | 2 | 2 | 51280308B0 | B.H. Tapped Screw B3 x 8 |
| 006G | 2 | 2 | 2 | 51302606T0 | P.H. Tapped Screw P2.6 x 6 |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|-----------------------------|
| | U | E | P | | |
| 001i | 1 | 1 | 1 | 103H109010 | Shield, Top |
| 002i | 1 | 1 | 1 | 103H109020 | Shield, Bottom |
| 003i | 2 | 2 | 2 | 51280308B0 | B.H. Tapped Screw B3 x 8 |
| 004i | 1 | 1 | 1 | 103H109040 | Shield |
| 005i | 1 | 1 | 1 | 51280306B0 | B.H. Tapped Screw B3 x 6 |
| 007i | 1 | 1 | 1 | 103H160090 | Bracket |
| 008i | 4 | 4 | 4 | 2276005050 | Clamper |
| 009i | 2 | 2 | 2 | 51280308B0 | B.H. Tapped Screw B3 x 8 |
| 010i | 2 | 2 | 2 | 51280308B0 | B.H. Tapped Screw B3 x 8 |
| 012i | 1 | 1 | 1 | 103H259040 | Bushing, LED |
| 013i | 2 | 2 | 2 | 2137118010 | Spacer |
| 014i | 1 | 1 | 1 | 103H302020 | Dial |
| 015i | 1 | 1 | 1 | 2137158020 | Window |
| 016i | 2 | 2 | 2 | 2912259020 | Bushing |
| 019i | 1 | 1 | 1 | 51280306B0 | B.H. Tapped Screw B3 x 6 |
| 020i | 1 | 1 | 1 | 103H101010 | Support |
| 021i | 1 | 1 | 1 | 51100306A9 | B.H.M. Screw B3 x 6 |
| J010 | 1 | 1 | 1 | YJ14000060 | Battery Case |
| SJ02 | 1 | 1 | 1 | SR00050100 | Rotary Switch, Tape Monitor |

8.6 [H01-99] Packing Materials



- (U): for U.S.A.
- (E): for Europe
- (P): for PX

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|--------------------|
| | U | E | P | | |
| 001S | 1 | | | 104H801010 | Packing Case |
| 001S | | 1 | | 104H801020 | Packing Case |
| 001S | | | 1 | 104H801050 | Packing Case |
| 002S | 1 | 1 | 1 | 211H809010 | Cushion, Front |
| 003S | 1 | 1 | 1 | 211H809020 | Cushion, Rear |
| 004S | 1 | 1 | 1 | 2918107260 | Sheet |
| 005S | 1 | 1 | 1 | 9090909030 | Polyethylene Sheet |
| 006S | 2 | | | 9526019010 | Serial No. Card |
| 006S | | 4 | | 9526019060 | Serial No. Card |
| 006S | | | 3 | 9526019050 | Serial No. Card |
| 007S | 1 | | 1 | 2918107370 | Sheet |
| 008S | | 1 | | 2731821010 | Silicagel |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|--------------------|
| | U | E | P | | |
| 001T | 1 | | | 103H851010 | Instructions |
| 001T | | 1 | 1 | 103H851310 | Instructions |
| 002T | 1 | | | 104H851020 | Instructions, Spec |
| 002T | | 1 | 1 | 104H851320 | Instructions, Spec |
| 003T | 1 | | | 2818854020 | Guarantee Card |
| 003T | | 1 | | 104H856010 | Circuit Diagram |
| 003T | | | 1 | 2818854010 | Guarantee Card |
| 004T | 1 | | | 2225813010 | Envelope |
| 004T | | | 1 | 9650000010 | S. Station Card |
| 001V | 1 | 1 | 1 | ZA02000070 | EXT. Antenna |
| 901V | | 1 | | YJ04000240 | Jack, AC Adaptor |
| Δ W001 | | | 1 | ZC01805030 | A.C. Power Cord |

8.7 ELECTRICAL PARTS LIST

• (U): for U.S.A.
 • (E): for Europe
 • (P): for PX

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|------------------------|------|---|---|------------|--|
| | U | E | P | | |
| P100 | 1 | 1 | 1 | YK103H1710 | P100-TUNER/PHONO AMP. CIRCUIT BOARD P.W. Board, Tuner/Phono Amp. |
| | 1 | 1 | 1 | ZZ104H1710 | P.W. Board Assembly |
| | | 1 | | ZZ104H8710 | P.W. Board Assembly |
| P100-CAPACITORS | | | | | |
| CA02 | 1 | 1 | 1 | CT12000090 | Trimming 20pF |
| CA03 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| CA04 | 1 | 1 | 1 | DD10020370 | Ceramic 2pF \pm 0.25pF |
| CA05 | 1 | 1 | 1 | DD15391370 | Ceramic 390pF \pm 5% |
| CA06 | 1 | 1 | 1 | DK18403320 | Ceramic 0.04 μ F +80%–20% |
| CA07 | 1 | 1 | 1 | DK18403320 | Ceramic 0.04 μ F +80%–20% |
| CA08 | 1 | 1 | 1 | DK18102300 | Ceramic 1000pF |
| CA09 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| CA10 | 1 | 1 | 1 | DK18403320 | Ceramic 0.04 μ F +80%–20% |
| CA11 | 1 | 1 | 1 | DK18223310 | Ceramic 0.022 μ F +80%–20% |
| CA12 | 1 | 1 | 1 | DD15470370 | Ceramic 47pF \pm 5% |
| CA13 | 1 | 1 | 1 | DK18223310 | Ceramic 0.022 μ F +80%–20% |
| CA14 | 1 | 1 | 1 | DK18223310 | Ceramic 0.022 μ F +80%–20% |
| CA15 | 1 | 1 | 1 | DK18102300 | Ceramic 1000pF |
| CA16 | 1 | 1 | 1 | CT12000090 | Trimming 20pF |
| CA17 | 1 | 1 | 1 | DD10050370 | Ceramic 5pF \pm 0.5pF |
| CA18 | 1 | 1 | 1 | DF55431090 | Film 430pF \pm 5% |
| CA19 | 1 | 1 | 1 | DK18223320 | Ceramic 0.022 μ F +80%–20% |
| CA20 | 1 | 1 | 1 | EA10602530 | Elect 10 μ F 50V |
| CA21 | 1 | 1 | 1 | EA10602530 | Elect 10 μ F 50V |
| CA22 | 1 | 1 | 1 | DK18403320 | Ceramic 0.04 μ F +80%–20% |
| CA23 | 1 | 1 | 1 | EA47405030 | Elect 0.47 μ F 50V |
| CA24 | 1 | 1 | 1 | EA10701630 | Elect 100 μ F 16V |
| CA25 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| CA26 | 1 | 1 | 1 | DF16273300 | Film 0.027 μ F \pm 10% |
| CA27 | 1 | 1 | 1 | DF17682300 | Film 6800pF \pm 20% |
| CA28 | 1 | 1 | 1 | DF17403300 | Film 0.04 μ F \pm 20% |
| CA29 | 1 | 1 | 1 | EA10602530 | Elect 10 μ F 25V |
| CA30 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| CV01 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| CV02 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C101 | 1 | 1 | 1 | CT10600090 | Trimming 6pF |
| C103 | 1 | 1 | 1 | DD15470370 | Ceramic 47pF \pm 5% |
| C104 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C105 | 1 | 1 | 1 | CT10600090 | Trimming 6pF |
| C106 | 1 | 1 | 1 | DD10030300 | Ceramic 3pF \pm 0.25pF |
| C107 | 1 | 1 | 1 | CT10600090 | Trimming 6pF |
| C108 | 1 | 1 | 1 | DD10040300 | Ceramic 4pF \pm 0.25pF |
| C109 | 1 | 1 | 1 | DD10030370 | Ceramic 3pF \pm 0.25pF |
| C110 | 1 | 1 | 1 | DD11100370 | Ceramic 10pF \pm 0.5pF |
| C111 | 1 | 1 | 1 | DK16331300 | Ceramic 330pF \pm 10% |
| C112 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C113 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C114 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C115 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C116 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C118 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C119 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C120 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C121 | 1 | 1 | 1 | EA47405030 | Elect 0.47 μ F 50V |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|--------------------------------|
| | U | E | P | | |
| C122 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C123 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C124 | 1 | 1 | 1 | DK18403320 | Ceramic 0.04 μ F +80%–20% |
| C125 | 1 | 1 | 1 | DK18403320 | Ceramic 0.04 μ F +80%–20% |
| C126 | 1 | 1 | 1 | DK16182300 | Ceramic 1800pF \pm 10% |
| C127 | 1 | 1 | 1 | DD15330360 | Ceramic 33pF \pm 5% |
| C128 | 1 | 1 | 1 | EA47505030 | Elect 4.7 μ F 50V |
| C129 | 1 | 1 | 1 | EA47405030 | Elect 0.47 μ F 50V |
| C130 | 1 | 1 | 1 | DD11100370 | Ceramic 10pF \pm 0.5pF |
| C131 | 1 | 1 | 1 | DF16683300 | Film 0.068 μ F \pm 10% |
| C132 | 1 | 1 | 1 | DF17403300 | Film 0.04 μ F \pm 20% |
| C133 | 1 | 1 | 1 | DF16104300 | Film 0.01 μ F \pm 10% |
| C134 | 1 | 1 | 1 | EA10701030 | Elect 100 μ F 10V |
| C135 | 1 | 1 | 1 | EA10602530 | Elect 10 μ F 25V |
| C136 | 1 | 1 | 1 | EA22601630 | Elect 22 μ F 16V |
| C137 | 1 | 1 | 1 | EA10701630 | Elect 100 μ F 16V |
| C138 | 1 | 1 | 1 | DK16331300 | Ceramic 330pF \pm 10% |
| C139 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C141 | 1 | 1 | 1 | DD10020300 | Ceramic 2pF \pm 0.25pF |
| C142 | 1 | 1 | 1 | CT10600090 | Trimming 6pF |
| C143 | 1 | 1 | 1 | DD10030300 | Ceramic 3pF \pm 0.25pF |
| C144 | 1 | 1 | 1 | DD10010370 | Ceramic 1pF \pm 0.25pF |
| C145 | 1 | 1 | 1 | DD11100300 | Ceramic 10pF \pm 0.5pF |
| C146 | 1 | 1 | 1 | DD15300300 | Ceramic 30pF \pm 5% |
| C147 | 1 | 1 | 1 | DD15150300 | Ceramic 15pF \pm 5% |
| C148 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C149 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C150 | 1 | 1 | 1 | EA10505030 | Elect 1 μ F 50V |
| C151 | 1 | 1 | 1 | EA10701630 | Elect 100 μ F 16V |
| C152 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C155 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C153 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| C301 | 1 | 1 | 1 | DF15473300 | Film 0.047 μ F \pm 5% |
| C302 | 1 | 1 | 1 | DF55511090 | Film 510pF \pm 5% |
| C303 | 1 | 1 | 1 | EQ10505030 | Elect 1 μ F 50V |
| C304 | 1 | 1 | 1 | EA47505030 | Elect 4.7 μ F 50V |
| C305 | 1 | 1 | 1 | DF55821090 | Film 820pF \pm 5% |
| C306 | 1 | 1 | 1 | EQ10505030 | Elect 1 μ F 50V |
| C307 | 1 | 1 | 1 | EA10505030 | Elect 1 μ F 50V |
| C308 | 1 | 1 | 1 | EA22701630 | Elect 220 μ F 16V |
| C309 | 1 | 1 | 1 | EA47505030 | Elect 4.7 μ F 50V |
| C310 | 1 | 1 | 1 | EA10505030 | Elect 1 μ F 50V |
| C311 | 1 | 1 | 1 | EA10505030 | Elect 1 μ F 50V |
| C312 | 1 | 1 | 1 | DF15332300 | Film 3300pF \pm 5% |
| C312 | 1 | 1 | 1 | DF15222300 | Film 2200pF \pm 5% |
| C313 | 1 | 1 | 1 | DF15332300 | Film 3300pF \pm 5% |
| C313 | 1 | 1 | 1 | DF15222300 | Film 2200pF \pm 5% |
| C314 | 1 | 1 | 1 | EA10405030 | Elect 0.1 μ F 50V |
| C315 | 1 | 1 | 1 | EA10405030 | Elect 0.1 μ F 50V |
| C316 | 1 | 1 | 1 | DD16101300 | Ceramic 100pF \pm 10% |
| C317 | 1 | 1 | 1 | DD16101300 | Ceramic 100pF \pm 10% |
| C318 | 1 | 1 | 1 | EA47505030 | Elect 4.7 μ F 50V |
| C319 | 1 | 1 | 1 | EA47505030 | Elect 4.7 μ F 50V |
| C320 | 1 | 1 | 1 | EA10701630 | Elect 100 μ F 16V |
| C401 | 1 | 1 | 1 | EA33505030 | Elect 3.3 μ F 50V |
| C402 | 1 | 1 | 1 | EA33505030 | Elect 3.3 μ F 50V |
| C403 | 1 | 1 | 1 | DK16331300 | Ceramic 330pF \pm 10% |
| C404 | 1 | 1 | 1 | DK16331300 | Ceramic 330pF \pm 10% |
| C405 | 1 | 1 | 1 | EA47601630 | Elect 47 μ F 16V |
| C406 | 1 | 1 | 1 | EA47601630 | Elect 47 μ F 16V |
| C407 | 1 | 1 | 1 | DF15332300 | Film 3300pF \pm 5% |

- (U): for U.S.A.
- (E): for Europe
- (P): for PX

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|---|------|---|---|------------|--------------------|
| | U | E | P | | |
| C408 | 1 | 1 | 1 | DF15332300 | Film 3300pF ±5% |
| C409 | 1 | 1 | 1 | DF15123300 | Film 0.012μF ±5% |
| C410 | 1 | 1 | 1 | DF15123300 | Film 0.012μF ±5% |
| C411 | 1 | 1 | 1 | EA47505030 | Elect 4.7μF 50V |
| C412 | 1 | 1 | 1 | EA47505030 | Elect 4.7μF 50V |
| C413 | 1 | 1 | 1 | DK16101300 | Ceramic 100pF ±10% |
| C414 | 1 | 1 | 1 | DK16101300 | Ceramic 100pF ±10% |
| C415 | 1 | 1 | 1 | EA10702530 | Elect 100μF 25V |
| C416 | 1 | 1 | 1 | EA10702530 | Elect 100μF 25V |
| P100-RESISTORS (All Resistors are ±5% and ¼W) | | | | | |
| RA01 | 1 | 1 | 1 | GD05105140 | 1MΩ |
| RA02 | 1 | 1 | 1 | GD05102140 | 1KΩ |
| RA03 | 1 | 1 | 1 | GD05153140 | 15KΩ |
| RA04 | 1 | 1 | 1 | GD05152140 | 1.5KΩ |
| RA05 | 1 | 1 | 1 | GD05101140 | 100Ω |
| RA06 | 1 | 1 | 1 | GD05222140 | 2.2KΩ |
| RA07 | 1 | 1 | 1 | GD05471140 | 470Ω |
| RA08 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| RA09 | 1 | 1 | 1 | GD05222140 | 2.2KΩ |
| RA10 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| RA11 | 1 | 1 | 1 | RA01030260 | 10KΩ(B), Trimming |
| RA12 | 1 | 1 | 1 | GD05820140 | 820Ω |
| RA13 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| RA14 | 1 | 1 | 1 | GD05101140 | 100Ω |
| RA15 | 1 | 1 | 1 | GD05102140 | 1KΩ |
| RA16 | 1 | 1 | 1 | GD05153140 | 15KΩ |
| RA18 | 1 | 1 | 1 | GG05101140 | 100Ω |
| RA19 | 1 | 1 | 1 | GD05333140 | 33KΩ |
| RA20 | 1 | 1 | 1 | GD05221140 | 220Ω |
| RA21 | 1 | 1 | 1 | GD05225140 | 2.2MΩ |
| RA22 | 1 | 1 | 1 | GD05152140 | 1.5KΩ |
| RC01 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| RC02 | 1 | 1 | 1 | GD05223140 | 22KΩ |
| RC03 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| RC04 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| RC05 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| RC06 | 1 | 1 | 1 | GD05223140 | 22KΩ |
| RC07 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| RC08 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| RC09 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| RC10 | 1 | 1 | 1 | GD05223140 | 22KΩ |
| RC11 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| RC12 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| RC13 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| RC14 | 1 | 1 | 1 | GD05223140 | 22KΩ |
| RC15 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| RC16 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| RC17 | 1 | 1 | 1 | GG05122120 | 1.2KΩ ¼W |
| RC18 | 1 | 1 | 1 | GG05122120 | 1.2KΩ ¼W |
| R101 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R102 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R103 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R104 | 1 | 1 | 1 | GD05101140 | 100Ω |
| R105 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R106 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R107 | 1 | 1 | 1 | GD05472140 | 4.7KΩ |
| R108 | 1 | 1 | 1 | GD05223140 | 22KΩ |
| R109 | 1 | 1 | 1 | GD05332140 | 3.3KΩ |
| R110 | 1 | 1 | 1 | GD05273140 | 27KΩ |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|--------------------|
| | U | E | P | | |
| R111 | 1 | 1 | 1 | GD05331140 | 330Ω |
| R112 | 1 | 1 | 1 | GD05153140 | 15KΩ |
| R113 | 1 | 1 | 1 | GD05272140 | 2.7KΩ |
| R114 | 1 | 1 | 1 | GD05102140 | 1KΩ |
| R115 | 1 | 1 | 1 | GD05331140 | 330Ω |
| R116 | 1 | 1 | 1 | GD05223140 | 22KΩ |
| R117 | 1 | 1 | 1 | GD05101140 | 100Ω |
| R118 | 1 | 1 | 1 | GD05101140 | 100Ω |
| R119 | 1 | 1 | 1 | GG05470140 | 47Ω |
| R120 | 1 | 1 | 1 | GD05183140 | 18KΩ |
| R121 | 1 | 1 | 1 | GD05332140 | 3.3KΩ |
| R122 | 1 | 1 | 1 | RA01030260 | 10KΩ(B), Trimming |
| R123 | 1 | 1 | 1 | GD05124140 | 120KΩ |
| R124 | 1 | 1 | 1 | GD05183140 | 18KΩ |
| R125 | 1 | 1 | 1 | GD05332140 | 3.3KΩ |
| R126 | 1 | 1 | 1 | GD05331140 | 330Ω |
| R127 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R128 | 1 | 1 | 1 | GD05184140 | 180KΩ |
| R130 | 1 | 1 | 1 | GD05821140 | 820Ω |
| R131 | 1 | 1 | 1 | GD05273140 | 27KΩ |
| R132 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R133 | 1 | 1 | 1 | GD05122140 | 1.2KΩ |
| R134 | 1 | 1 | 1 | GD05272140 | 2.7KΩ |
| R135 | 1 | 1 | 1 | GD05272140 | 2.7KΩ |
| R136 | 1 | 1 | 1 | RA01040110 | 100KΩ(B), Trimming |
| R137 | 1 | 1 | 1 | GD05562140 | 5.6KΩ |
| R138 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R139 | 1 | 1 | 1 | GD05273140 | 27KΩ |
| R140 | 1 | 1 | 1 | GD05102140 | 1KΩ |
| R141 | 1 | 1 | 1 | GD05563140 | 56KΩ |
| R142 | 1 | 1 | 1 | GD05101140 | 100Ω |
| R143 | 1 | 1 | 1 | GD05124140 | 120KΩ |
| R144 | 1 | 1 | 1 | GG05101140 | 100Ω |
| R145 | 1 | 1 | 1 | GD05102140 | 1KΩ |
| R146 | 1 | 1 | 1 | GD05331140 | 330Ω |
| R147 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R148 | 1 | 1 | 1 | GD05821140 | 820Ω |
| R149 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R150 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R151 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R152 | 1 | 1 | 1 | GD05222140 | 2.2KΩ |
| R153 | 1 | 1 | 1 | GD05101140 | 100Ω |
| R154 | 1 | 1 | 1 | GD05222140 | 2.2KΩ |
| R155 | 1 | 1 | 1 | GD05223140 | 22KΩ |
| R156 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R157 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R158 | 1 | 1 | 1 | GD05153140 | 15KΩ |
| R159 | 1 | 1 | 1 | GD05183140 | 18KΩ |
| R161 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R162 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R163 | 1 | 1 | 1 | GD05153140 | 15KΩ |
| R164 | 1 | 1 | 1 | GD05153140 | 15KΩ |
| R165 | 1 | 1 | 1 | GD05153140 | 15KΩ |
| R167 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R168 | 1 | 1 | 1 | GD05334140 | 330KΩ |
| R169 | 1 | 1 | 1 | GD05333140 | 33KΩ |
| R170 | 1 | 1 | 1 | GD05222140 | 2.2KΩ |
| R171 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R172 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R173 | 1 | 1 | 1 | GD05564140 | 560KΩ |

- (U): for U.S.A.
- (E): for Europe
- (P): for PX

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|----------------------------|
| | U | E | P | | |
| R301 | 1 | 1 | 1 | GD05473140 | 47K Ω |
| R302 | 1 | 1 | 1 | GD05224140 | 220K Ω |
| R303 | 1 | 1 | 1 | GD05153140 | 15K Ω |
| R304 | 1 | 1 | 1 | RA05020160 | 5K Ω (B), Trimming |
| R305 | 1 | 1 | 1 | GD05821140 | 820 Ω |
| R306 | 1 | 1 | 1 | GD05102140 | 1K Ω |
| R307 | 1 | 1 | 1 | RA02020180 | 2K Ω (B), Trimming |
| R308 | 1 | 1 | 1 | GD05472140 | 4.7K Ω |
| R309 | 1 | 1 | 1 | GD05472140 | 4.7K Ω |
| R310 | 1 | 1 | 1 | GD05103140 | 10K Ω |
| R311 | 1 | 1 | 1 | GD05473140 | 47K Ω |
| R312 | 1 | 1 | 1 | GG05101140 | 100 Ω |
| R313 | 1 | 1 | 1 | GD05154140 | 150K Ω |
| R314 | 1 | 1 | 1 | GD05472140 | 4.7K Ω |
| R315 | 1 | 1 | 1 | GD05472140 | 4.7K Ω |
| R316 | 1 | 1 | 1 | GD05273140 | 27K Ω |
| R317 | 1 | 1 | 1 | GD05273140 | 27K Ω |
| R318 | 1 | 1 | 1 | GD05154140 | 150K Ω |
| R319 | 1 | 1 | 1 | GD05154140 | 150K Ω |
| R320 | 1 | 1 | 1 | GD05471140 | 470 Ω |
| R321 | 1 | 1 | 1 | GD05471140 | 470 Ω |
| R322 | 1 | 1 | 1 | RA05030090 | 50K Ω (B), Trimming |
| R323 | 1 | 1 | 1 | GD05102140 | 1K Ω |
| R324 | 1 | 1 | 1 | GD05822140 | 8.2K Ω |
| R325 | 1 | 1 | 1 | GD05822140 | 8.2K Ω |
| R326 | 1 | 1 | 1 | GD05155140 | 1.5M Ω |
| R327 | 1 | 1 | 1 | GD05155140 | 1.5M Ω |
| R328 | 1 | 1 | 1 | GD05392140 | 3.9K Ω |
| R329 | 1 | 1 | 1 | GD05392140 | 3.9K Ω |
| R330 | 1 | 1 | 1 | GD05392140 | 3.9K Ω |
| R331 | 1 | 1 | 1 | GD05392140 | 3.9K Ω |
| R332 | 1 | 1 | 1 | GD05104140 | 100K Ω |
| R333 | 1 | 1 | 1 | GD05104140 | 100K Ω |
| R334 | 1 | 1 | 1 | GG05470140 | 47 Ω |
| R335 | 1 | 1 | 1 | GD05154140 | 150K Ω |
| R336 | 1 | 1 | 1 | GD05333140 | 33K Ω |
| R338 | 1 | 1 | 1 | GD05184140 | 180K Ω |
| R339 | 1 | 1 | 1 | GD05184140 | 180K Ω |
| R401 | 1 | 1 | 1 | GD05104140 | 100K Ω |
| R402 | 1 | 1 | 1 | GD05104140 | 100K Ω |
| R403 | 1 | 1 | 1 | GD05222140 | 2.2K Ω |
| R404 | 1 | 1 | 1 | GD05222140 | 2.2K Ω |
| R405 | 1 | 1 | 1 | GD05104140 | 100K Ω |
| R406 | 1 | 1 | 1 | GD05104140 | 100K Ω |
| R407 | 1 | 1 | 1 | GD05471140 | 470 Ω |
| R408 | 1 | 1 | 1 | GD05471140 | 470 Ω |
| R409 | 1 | 1 | 1 | GD05223140 | 22K Ω |
| R410 | 1 | 1 | 1 | GD05223140 | 22K Ω |
| R411 | 1 | 1 | 1 | GD05274140 | 270K Ω |
| R412 | 1 | 1 | 1 | GD05274140 | 270K Ω |
| R413 | 1 | 1 | 1 | GD05224140 | 220K Ω |
| R414 | 1 | 1 | 1 | GD05224140 | 220K Ω |
| R415 | 1 | 1 | 1 | GD05221140 | 220 Ω |
| R416 | 1 | 1 | 1 | GD05221140 | 220 Ω |
| R417 | 1 | 1 | 1 | GG05101140 | 100 Ω |
| R418 | 1 | 1 | 1 | GG05101140 | 100 Ω |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|----------------------------|------|---|---|------------|----------------------------|
| | U | E | P | | |
| P100-SEMICONDUCTORS | | | | | |
| QA01 | 1 | 1 | 1 | HC10058030 | IC LA1245 |
| QA02 | 1 | 1 | 1 | HF200551D0 | F.E.T. 2SK55(D) |
| QA03 | 1 | 1 | 1 | HD40002420 | Varicap KV-1226 |
| QA05 | 1 | 1 | 1 | HV00006120 | Varistor MV-203 |
| QC01 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| QC02 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(Q or R) |
| QC03 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| QC04 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(Q or R) |
| QC05 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| QC06 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| QC07 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| QC08 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| QC09 | 1 | 1 | 1 | HD20015030 | Diode DS135D |
| QC10 | 1 | 1 | 1 | HD20015030 | Diode DS135D |
| Q101 | 1 | 1 | 1 | HF400451B0 | F.E.T. 3SK45(B) |
| Q102 | 1 | 1 | 1 | HF200551D0 | F.E.T. 2SK55(D) |
| Q103 | 1 | 1 | 1 | HT308291D0 | Transistor 2SC829(D) |
| Q104 | 1 | 1 | 1 | HT308291C0 | Transistor 2SC829(C) |
| Q105 | 1 | 1 | 1 | HT310471C0 | Transistor 2SC1047(C) |
| Q106 | 1 | 1 | 1 | HT308291C0 | Transistor 2SC829(C) |
| Q107 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| Q108 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| Q109 | 1 | 1 | 1 | HD40004010 | Varicap 1SV55 |
| Q110 | 1 | 1 | 1 | HD40004010 | Varicap 1SV55 |
| Q111 | 1 | 1 | 1 | HD40004010 | Varicap 1SV55 |
| Q112 | 1 | 1 | 1 | HD40004010 | Varicap 1SV55 |
| Q113 | 1 | 1 | 1 | HC10028030 | IC LA1231N |
| Q114 | 1 | 1 | 1 | HT309452C0 | Transistor 2SC945(K or P) |
| Q115 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| Q116 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q117 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q118 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q119 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q120 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q121 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q122 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q123 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q124 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q125 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q126 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q127 | 1 | 1 | 1 | HV00006120 | Varistor MV-203 |
| Q128 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| Q129 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| Q130 | 1 | 1 | 1 | HD30029090 | Zener WZ090 |
| Q131 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| Q132 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q133 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q301 | 1 | 1 | 1 | HC10001420 | IC KB4437 |
| Q302 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| Q303 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| Q304 | 1 | 1 | 1 | HT326342B0 | Transistor 2SC2634(S or T) |
| Q305 | 1 | 1 | 1 | HT326342B0 | Transistor 2SC2634(S or T) |
| Q306 | 1 | 1 | 1 | HT111272B0 | Transistor 2SA1127(S or T) |
| Q307 | 1 | 1 | 1 | HT111272B0 | Transistor 2SA1127(S or T) |
| Q401 | 1 | 1 | 1 | HC10013370 | IC TL4558PB |

- (U): for U.S.A.
- (E): for Europe
- (P): for PX

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|--------------------------------------|------|---|---|------------|-----------------------------|
| | U | E | P | | |
| P100-MISCELLANEOUS | | | | | |
| FA01 | 1 | 1 | 1 | FG450302B0 | Ceramic Filter SFZ450B-3 |
| FA02 | 1 | 1 | 1 | FF10045270 | Ceramic Filter BFU450C |
| F101 | 1 | 1 | 1 | FF11070530 | Ceramic Filter 10.7MHz MD-1 |
| F102 | 1 | 1 | 1 | FF11070530 | Ceramic Filter 10.7MHz MD-1 |
| F102 | 1 | 1 | 1 | FF11070570 | Ceramic Filter 10.7MHz MS3G |
| F103 | 1 | 1 | 1 | FF11070530 | Ceramic Filter 10.7MHz MD-1 |
| F103 | 1 | 1 | 1 | FF11070570 | Ceramic Filter 10.7MHz MS3G |
| JV01 | 1 | | | YT02040350 | Terminal, Phono/Aux Input |
| JV01 | 1 | 1 | 1 | YT02040340 | Terminal, Phono/Aux Input |
| J101 | 1 | 1 | 1 | YJ01050010 | Terminal, Antenna |
| J102 | 1 | 1 | 1 | YJ06002430 | Jack, (3P) |
| J103 | 1 | 1 | 1 | YJ06002460 | Jack, (7P) |
| J104 | 1 | 1 | 1 | YJ06002270 | Jack, (8P) |
| LA01 | 1 | 1 | 1 | LA10015010 | Antenna Coil, AM |
| LA02 | 1 | 1 | 1 | LO10013170 | OSC Coil, AM |
| LA03 | 1 | 1 | 1 | LI10010730 | I.F.T. Coil, AM IF |
| LA05 | 1 | 1 | 1 | LC11540040 | Choke Coil, 150μH |
| LC01 | 1 | 1 | 1 | LY20240020 | Relay, 2V 23mA |
| LC02 | 1 | 1 | 1 | LY20240020 | Relay, 2V 23mA |
| L101 | 1 | 1 | 1 | LA12026190 | Antenna Coil, FM |
| L102 | 1 | 1 | 1 | LA12026200 | Antenna Coil, FM RF |
| L103 | 1 | 1 | 1 | LA12026210 | Antenna Coil, FM RF |
| L104 | 1 | 1 | 1 | LO12046030 | OSC Coil, FM |
| L105 | 1 | 1 | 1 | LC17510010 | Choke Coil, 0.75μH |
| L106 | 1 | 1 | 1 | LI10018110 | I.F.T. Coil, FM IF |
| L107 | 1 | 1 | 1 | LC13320050 | Choke Coil, 3.3μH |
| L108 | 1 | 1 | 1 | LI14030020 | I.F.T. Coil, FM DET |
| L109 | 1 | 1 | 1 | LS35040010 | M.P.X. Coil |
| L110 | 1 | 1 | 1 | LS10290190 | M.P.X. Coil |
| L111 | 1 | 1 | 1 | LC11050060 | Choke Coil, 1mH |
| L301 | 1 | 1 | 1 | LS20010020 | M.P.X. Coil, L.P.F. (38KHz) |
| W101 | 1 | 1 | 1 | YU06120260 | Jumper Lead, (6P) |
| W102 | 1 | 1 | 1 | YU04120260 | Jumper Lead, (4P) |
| P500-CONTROLLER CIRCUIT BOARD | | | | | |
| P500 | 1 | 1 | 1 | YK103H2730 | P.W. Board, Controller |
| | 1 | 1 | 1 | ZZ103H2730 | P.W. Board Assembly |
| P500-CAPACITORS | | | | | |
| C501 | 1 | 1 | 1 | EA10701630 | Elect 100μF 16V |
| C502 | 1 | 1 | 1 | EA47405030 | Elect 0.47μF 50V |
| C503 | 1 | 1 | 1 | EA10505030 | Elect 1μF 50V |
| P500-RESISTORS | | | | | |
| (All Resistors are ±5% and 1/8W) | | | | | |
| G501 | 1 | 1 | 1 | BW10104020 | 100KΩ x 8 1/8W Compo. |
| G502 | 1 | 1 | 1 | BW10104010 | 100KΩ x 6 1/8W Compo. |
| G503 | 1 | 1 | 1 | BW10104010 | 100KΩ x 6 1/8W Compo. |
| G504 | 1 | 1 | 1 | BW10473010 | 47KΩ x 5 1/8W Compo. |
| G505 | 1 | 1 | 1 | BW10473010 | 47KΩ x 5 1/8W Compo. |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|----------------------------|------|---|---|------------|---------------------------|
| | U | E | P | | |
| R501 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R502 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R503 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R504 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R505 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R506 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R507 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R508 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R509 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R510 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R511 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R512 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R513 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R514 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R515 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R516 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R517 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R518 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R519 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R520 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R521 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R522 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R523 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R524 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R525 | 1 | 1 | 1 | GD05473140 | 47KΩ |
| R526 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R527 | 1 | 1 | 1 | GD05473140 | 47KΩ |
| R528 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R529 | 1 | 1 | 1 | GD05473140 | 47KΩ |
| R530 | 1 | 1 | 1 | GD05473140 | 47KΩ |
| R531 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R532 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R533 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| P500-SEMICONDUCTORS | | | | | |
| Q501 | 1 | 1 | 1 | HC10027020 | IC MN1455LF |
| Q502 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(O or R) |
| Q503 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(O or R) |
| Q504 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(O or R) |
| Q505 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(O or R) |
| Q506 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(O or R) |
| Q507 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(O or R) |
| Q508 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(O or R) |
| Q509 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(O or R) |
| Q510 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(O or R) |
| Q511 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(O or R) |
| Q512 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(O or R) |
| Q513 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(O or R) |
| Q514 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(O or R) |
| Q515 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(O or R) |
| Q516 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(O or R) |
| Q517 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q518 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q519 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q520 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q521 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q522 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q523 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q524 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q525 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |

- (U): for U.S.A.
- (E): for Europe
- (P): for PX

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|---------------------------|------|---|---|------------|---------------------------|
| | U | E | P | | |
| Q526 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q527 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q528 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q529 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q530 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q531 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q532 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q533 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q534 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q535 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q536 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q537 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q538 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q539 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q540 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q541 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q542 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q543 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q544 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q545 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q546 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q547 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q548 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q549 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q550 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q551 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q552 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q553 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q554 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q556 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q557 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q559 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q560 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q561 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q562 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q563 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q564 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q565 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q566 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q567 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q568 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| P500-MISCELLANEOUS | | | | | |
| J501 | 1 | 1 | 1 | YJ06002270 | Jack, (8P) |
| J502 | 1 | 1 | 1 | YJ06002460 | Jack, (7P) |
| J504 | 1 | 1 | 1 | YJ06002450 | Jack, (6P) |
| J505 | 1 | 1 | 1 | YJ06002460 | Jack, (7P) |
| J506 | 1 | 1 | 1 | YJ06002430 | Jack, (3P) |
| J507 | 1 | 1 | 1 | YJ06002430 | Jack, (3P) |
| W501 | 1 | 1 | 1 | YU05200260 | Jumper Lead, (5P) |
| W502 | 1 | 1 | 1 | YU04180260 | Jumper Lead, (4P) |
| W503 | 1 | 1 | 1 | YU02220260 | Jumper Lead, (2P) |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|--|------|---|---|------------|---------------------------------|
| | U | E | P | | |
| P501-PLL/L.P.F. CIRCUIT BOARD | | | | | |
| P501 | 1 | 1 | 1 | YK103H2750 | P.W. Board, PLL/L.P.F. |
| | 1 | 1 | 1 | ZZ103H2750 | P.W. Board Assembly |
| P501-CAPACITORS | | | | | |
| C511 | 1 | 1 | 1 | EA47405030 | Elect 0.47 μ F 50V |
| C512 | 1 | 1 | 1 | DK18333310 | Ceramic 0.033 μ F +80% -20% |
| C513 | 1 | 1 | 1 | DF15223300 | Film 0.22 μ F \pm 5% |
| C514 | 1 | 1 | 1 | DD15270300 | Ceramic 27pF \pm 5% |
| C515 | 1 | 1 | 1 | CT12000090 | Trimming 20pF |
| C516 | 1 | 1 | 1 | DK18333310 | Ceramic 0.033 μ F +80% -20% |
| C517 | 1 | 1 | 1 | EA47405030 | Elect 0.47 μ F 50V |
| C518 | 1 | 1 | 1 | DF15103300 | Film 0.01 μ F \pm 5% |
| C519 | 1 | 1 | 1 | EQ47505010 | Elect 4.7 μ F 50V |
| C520 | 1 | 1 | 1 | EA10703530 | Elect 100 μ F 35V |
| C521 | 1 | 1 | 1 | DF15473300 | Film 0.047 μ F \pm 5% |
| P501-RESISTORS | | | | | |
| (All Resistors are \pm 5% and $\frac{1}{4}$ W) | | | | | |
| G506 | 1 | 1 | 1 | BW10473010 | 47K Ω x 2 1/8W Compo. |
| R541 | 1 | 1 | 1 | GD05103140 | 10K Ω |
| R542 | 1 | 1 | 1 | GD05103140 | 10K Ω |
| R544 | 1 | 1 | 1 | GD05103140 | 10K Ω |
| R545 | 1 | 1 | 1 | GD05103140 | 10K Ω |
| R547 | 1 | 1 | 1 | GD05104140 | 100K Ω |
| R548 | 1 | 1 | 1 | GD05104140 | 100K Ω |
| R549 | 1 | 1 | 1 | GD05335140 | 3.3M Ω |
| R550 | 1 | 1 | 1 | GG05221140 | 220 Ω |
| R551 | 1 | 1 | 1 | GD05332140 | 3.3K Ω |
| R552 | 1 | 1 | 1 | GD05561140 | 560 Ω |
| R553 | 1 | 1 | 1 | GD05102140 | 1K Ω |
| R554 | 1 | 1 | 1 | GD05561140 | 560 Ω |
| R555 | 1 | 1 | 1 | GD05682140 | 6.8K Ω |
| P501-SEMICONDUCTORS | | | | | |
| Q571 | 1 | 1 | 1 | HC10028020 | IC MN6147 |
| Q572 | 1 | 1 | 1 | HC10040010 | IC 74LS42 |
| Q573 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q574 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q575 | 1 | 1 | 1 | HF200301C0 | F.E.T. 2SK30(Y) |
| Q577 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q578 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(O or R) |
| Q579 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| P501-MISCELLANEOUS | | | | | |
| J509 | 1 | 1 | 1 | YJ06002450 | Jack, (6P) |
| J510 | 1 | 1 | 1 | YJ06002390 | Jack, (5P) |
| J511 | 1 | 1 | 1 | YJ07000770 | Jack, (8P) |
| W504 | 1 | 1 | 1 | YU08260260 | Jumper Lead, (8P) |
| X501 | 1 | 1 | 1 | XB108001L2 | Crystal 4.5MHz |

- (U): for U.S.A.
- (E): for Europe
- (P): for PX

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|--------------------------|---|
| | U | E | P | | |
| P502 | 1 | 1 | 1 | YK103H2710 ZZ103H2710 | P502-VFL/SIGNAL LED CIRCUIT BOARD P.W. Board, VFL/Signal LED P.W. Board Assembly |
| C531 | 1 | 1 | 1 | EA10505030 | P502-CAPACITORS Elect 1 μ F 50V |
| C532 | 1 | 1 | 1 | EA10602530 | Elect 10 μ F 25V |
| C533 | 1 | 1 | 1 | EA10602530 | Elect 10 μ F 25V |
| C534 | 1 | 1 | 1 | EA10701630 | Elect 100 μ F 16V |
| C535 | 1 | 1 | 1 | DK17103300 | Ceramic 0.01 μ F \pm 20% |
| R561 | 1 | 1 | 1 | GD05390140 | P502-RESISTORS (All Resistors are \pm 5% and $\frac{1}{4}$ W) 39 Ω |
| R562 | 1 | 1 | 1 | GD05390140 | 39 Ω |
| R563 | 1 | 1 | 1 | GD05391140 | 390 Ω |
| R564 | 1 | 1 | 1 | GD05391140 | 390 Ω |
| R565 | 1 | 1 | 1 | GD05391140 | 390 Ω |
| R566 | 1 | 1 | 1 | GD05153140 | 15K Ω |
| R567 | 1 | 1 | 1 | GD05333140 | 33K Ω |
| R568 | 1 | 1 | 1 | GD05562140 | 5.6K Ω |
| R569 | 1 | 1 | 1 | GD05103140 | 10K Ω |
| R570 | 1 | 1 | 1 | GD05682140 | 6.8K Ω |
| R571 | 1 | 1 | 1 | GG05680140 | 68 Ω |
| Q581 | 1 | 1 | 1 | HC10040030 | P502-SEMICONDUCTORS IC LB1416 |
| Q582 | 1 | 1 | 1 | HI10006320 | L.E.D. GL-9NG9 |
| Q583 | 1 | 1 | 1 | HI10007320 | L.E.D. GL-9PR9 |
| Q584 | 1 | 1 | 1 | HI10007320 | L.E.D. GL-9PR9 |
| Q585 | 1 | 1 | 1 | HI10007320 | L.E.D. GL-9PR9 |
| Q586 | 1 | 1 | 1 | HI10007320 | L.E.D. GL-9PR9 |
| Q587 | 1 | 1 | 1 | HI10007320 | L.E.D. GL-9PR9 |
| Q588 | 1 | 1 | 1 | HI10006320 | L.E.D. GL-9NG9 |
| Q589 | 1 | 1 | 1 | HI10006320 | L.E.D. GL-9NG9 |
| J512 | 1 | 1 | 1 | YJ06002430 | P502-MISCELLANEOUS Jack, (3P) |
| V501 | 1 | 1 | 1 | HQ30701410 | Display Unit 8-MT-01 |
| W505 | 1 | 1 | 1 | YU05300260 | Jumper Lead, (5P) |
| W506 | 1 | 1 | 1 | YU02260260 | Jumper Lead, (2P) |
| W507 | 1 | 1 | 1 | YU02280260 | Jumper Lead, (2P) |
| P503 | 1 | 1 | 1 | YK103H2740 ZZ103H2740 | P503-CONTROLLER/FIP JUMPER CIRCUIT BOARD P.W. Board, Controller/ Fip Jumper P.W. Board Assembly |
| R581 | 1 | 1 | 1 | GD05104140 | Resistor 100K Ω \pm 5% $\frac{1}{4}$ W |
| Q591 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q593 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q594 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| P504 | 1 | 1 | 1 | YK103H2720 | P504-CONTROLLER/PLL JUMPER CIRCUIT BOARD P.W. Board, Controller/ PLL Jumper |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|--------------------------|--|
| | U | E | P | | |
| P700 | 1 | 1 | 1 | YK103H3410 ZZ104H3410 | P700-MAIN AMP. CIRCUIT BOARD P.W. Board, Main Amp. P.W. Board Assembly |
| CN13 | 1 | 1 | 1 | EA22701030 | P700-CAPACITORS Elect 220 μ F 10V |
| CN14 | 1 | 1 | 1 | EA33601030 | Elect 33 μ F 10V |
| CN16 | 1 | 1 | 1 | EA47605030 | Elect 47 μ F 50V |
| CN17 | 1 | 1 | 1 | EA47601030 | Elect 47 μ F 10V |
| C701 | 1 | 1 | 1 | DK16221300 | Ceramic 220pF \pm 10% |
| C702 | 1 | 1 | 1 | DK16221300 | Ceramic 220pF \pm 10% |
| C703 | 1 | 1 | 1 | EA10505030 | Elect 1 μ F 50V |
| C704 | 1 | 1 | 1 | EA10505030 | Elect 1 μ F 50V |
| C705 | 1 | 1 | 1 | EA47505030 | Elect 4.7 μ F 50V |
| C706 | 1 | 1 | 1 | EA47505030 | Elect 4.7 μ F 50V |
| C707 | 1 | 1 | 1 | DK16561300 | Ceramic 560pF \pm 10% |
| C708 | 1 | 1 | 1 | DK16561300 | Ceramic 560pF \pm 10% |
| C709 | 1 | 1 | 1 | DD15200360 | Ceramic 20pF \pm 5% |
| C710 | 1 | 1 | 1 | DD15200360 | Ceramic 20pF \pm 5% |
| C711 | 1 | 1 | 1 | DD15270370 | Ceramic 27pF \pm 5% |
| C712 | 1 | 1 | 1 | DD15270370 | Ceramic 27pF \pm 5% |
| C715 | 1 | 1 | 1 | DD11070370 | Ceramic 7pF \pm 0.5pF |
| C716 | 1 | 1 | 1 | DD11070370 | Ceramic 7pF \pm 0.5pF |
| C717 | 1 | 1 | 1 | EA47606330 | Elect 47 μ F 63V |
| C718 | 1 | 1 | 1 | EA47606330 | Elect 47 μ F 63V |
| RN21 | 1 | 1 | 1 | GD05224140 | P700-RESISTORS (All Resistors are \pm 5% and $\frac{1}{4}$ W) 220K Ω |
| RN22 | 1 | 1 | 1 | GD05223140 | 22K Ω |
| RN23 | 1 | 1 | 1 | GD05223140 | 22K Ω |
| RN24 | 1 | 1 | 1 | GD05273140 | 27K Ω |
| RN25 | 1 | 1 | 1 | GD05682140 | 6.8K Ω |
| RN26 | 1 | 1 | 1 | GG05101140 | 100 Ω |
| RN29 | 1 | 1 | 1 | GD05103140 | 10K Ω |
| RN30 | 1 | 1 | 1 | GD05563140 | 56K Ω |
| R701 | 1 | 1 | 1 | GD05474140 | 470K Ω |
| R702 | 1 | 1 | 1 | GD05474140 | 470K Ω |
| R703 | 1 | 1 | 1 | GD05221140 | 220 Ω |
| R704 | 1 | 1 | 1 | GD05221140 | 220 Ω |
| R705 | 1 | 1 | 1 | GD05273140 | 27K Ω |
| R706 | 1 | 1 | 1 | GD05273140 | 27K Ω |
| R707 | 1 | 1 | 1 | RA02230020 | 22K Ω (B), Trimming |
| R708 | 1 | 1 | 1 | RA02230020 | 22K Ω (B), Trimming |
| R709 | 1 | 1 | 1 | GD05272140 | 2.7K Ω |
| R710 | 1 | 1 | 1 | GD05272140 | 2.7K Ω |
| R711 | 1 | 1 | 1 | GD05683140 | 68K Ω |
| R712 | 1 | 1 | 1 | GD05683140 | 68K Ω |
| R713 | 1 | 1 | 1 | GD05471140 | 470 Ω |
| R714 | 1 | 1 | 1 | GD05471140 | 470 Ω |
| R715 | 1 | 1 | 1 | GD05122140 | 1.2K Ω |
| R716 | 1 | 1 | 1 | GD05122140 | 1.2K Ω |
| R717 | 1 | 1 | 1 | RA01020360 | 1K Ω (B), Trimming |
| R718 | 1 | 1 | 1 | RA01020360 | 1K Ω (B), Trimming |
| R719 | 1 | 1 | 1 | GD05272140 | 2.7K Ω |
| R720 | 1 | 1 | 1 | GD05272140 | 2.7K Ω |
| R721 | 1 | 1 | 1 | GG05101140 | 100 Ω |
| R722 | 1 | 1 | 1 | GG05101140 | 100 Ω |
| R739 | 1 | 1 | 1 | GD05100140 | 10 Ω |
| R740 | 1 | 1 | 1 | GD05100140 | 10 Ω |
| R741 | 1 | 1 | 1 | GD05333140 | 33K Ω |
| R742 | 1 | 1 | 1 | GD05333140 | 33K Ω |

- (U): for U.S.A.
- (E): for Europe
- (P): for PX

| REF. DESIG. | QTY | | | PART NO. | DESCRIPTION |
|-------------|-----|---|---|------------|---|
| | U | E | P | | |
| QN19 | 1 | 1 | 1 | HC10046060 | P700-SEMICONDUCTORS IC μ PC1237H Transistor 2SA733(Q or R) |
| QN20 | 1 | 1 | 1 | HT107332A0 | |
| Q715 | 1 | 1 | 1 | HC10032030 | IC STK3082 |
| J703 | 1 | 1 | 1 | YP06001040 | P700-MISCELLANEOUS Plug, (3P) Plug, (3P) |
| J704 | 1 | 1 | 1 | YP06000570 | |
| P701 | 1 | 1 | 1 | YK103H3420 | P701-MAIN AMP. CIRCUIT BOARD P.W. Board, Main Amp. P.W. Board Assembly |
| | 1 | 1 | 1 | ZZ104H3420 | |
| CN01 | 1 | 1 | 1 | DF15103350 | P701-CAPACITORS Film 0.01 μ F \pm 5% Film 0.01 μ F \pm 5% Film 0.01 μ F \pm 5% Film 0.01 μ F \pm 5% |
| CN02 | 1 | 1 | 1 | DF15103350 | |
| CN03 | 1 | 1 | 1 | DF15103350 | |
| CN04 | 1 | 1 | 1 | DF15103350 | |
| C713 | 1 | 1 | 1 | DF17473520 | Film 0.047 μ F \pm 20% |
| C714 | 1 | 1 | 1 | DF17473520 | |
| C719 | 1 | 1 | 1 | EA10706330 | Elect 100 μ F 63V |
| C720 | 1 | 1 | 1 | EA10706330 | |
| C721 | 1 | 1 | 1 | EA10706330 | Elect 100 μ F 63V |
| C722 | 1 | 1 | 1 | EA10706330 | |
| C723 | 1 | 1 | 1 | DK16331300 | Ceramic 330pF \pm 10% |
| C724 | 1 | 1 | 1 | DK16331300 | |
| RN01 | 1 | 1 | 1 | GG05332140 | P701-RESISTORS (All Resistors are \pm 5% and $\frac{1}{4}$ W) 3.3K Ω 3.3K Ω 15K Ω 15K Ω 3.3K Ω 3.3K Ω 100 Ω 100 Ω 100 Ω 100 Ω 150 Ω 150 Ω 150 Ω 150 Ω 68K Ω 68K Ω 10K Ω 10K Ω 10 Ω 10 Ω 10 Ω 10 Ω 0.33 Ω \pm 10% 5W 0.33 Ω \pm 10% 5W 0.33 Ω \pm 10% 5W 0.33 Ω \pm 10% 5W 270 Ω 1W 270 Ω 1W 10 Ω 3W 10 Ω 3W 2.2 Ω \pm 10% $\frac{1}{2}$ W 2.2 Ω \pm 10% $\frac{1}{2}$ W 330 Ω 1W 330 Ω 1W |
| RN02 | 1 | 1 | 1 | GG05332140 | |
| RN03 | 1 | 1 | 1 | GD05153140 | |
| RN04 | 1 | 1 | 1 | GD05153140 | |
| RN05 | 1 | 1 | 1 | GG05332140 | |
| RN06 | 1 | 1 | 1 | GG05332140 | |
| RN11 | 1 | 1 | 1 | GG05101140 | |
| RN12 | 1 | 1 | 1 | GG05101140 | |
| RN13 | 1 | 1 | 1 | GG05101140 | |
| RN14 | 1 | 1 | 1 | GG05101140 | |
| RN15 | 1 | 1 | 1 | GG05151140 | |
| RN16 | 1 | 1 | 1 | GG05151140 | |
| RN17 | 1 | 1 | 1 | GG05151140 | |
| RN18 | 1 | 1 | 1 | GG05151140 | |
| RN19 | 1 | 1 | 1 | GD05683140 | |
| RN20 | 1 | 1 | 1 | GD05683140 | |
| RN31 | 1 | 1 | 1 | GD05103140 | |
| RN32 | 1 | 1 | 1 | GD05103140 | |
| R723 | 1 | 1 | 1 | GG05100140 | 10 Ω 10 Ω 10 Ω 10 Ω 0.33 Ω \pm 10% 5W 0.33 Ω \pm 10% 5W 0.33 Ω \pm 10% 5W 0.33 Ω \pm 10% 5W 270 Ω 1W 270 Ω 1W 10 Ω 3W 10 Ω 3W 2.2 Ω \pm 10% $\frac{1}{2}$ W 2.2 Ω \pm 10% $\frac{1}{2}$ W 330 Ω 1W 330 Ω 1W |
| R724 | 1 | 1 | 1 | GG05100140 | |
| R725 | 1 | 1 | 1 | GG05100140 | |
| R726 | 1 | 1 | 1 | GG05100140 | |
| R727 | 1 | 1 | 1 | GO10332050 | |
| R728 | 1 | 1 | 1 | GO10332050 | |
| R729 | 1 | 1 | 1 | GO10332050 | |
| R730 | 1 | 1 | 1 | GO10332050 | |
| R731 | 1 | 1 | 1 | GA05271010 | |
| R732 | 1 | 1 | 1 | GA05271010 | |
| R733 | 1 | 1 | 1 | GA05100030 | |
| R734 | 1 | 1 | 1 | GA05100030 | |
| R735 | 1 | 1 | 1 | RC10022120 | |
| R736 | 1 | 1 | 1 | RC10022120 | |
| R737 | 1 | 1 | 1 | GA05331010 | |
| R738 | 1 | 1 | 1 | GA05331010 | |

| REF. DESIG. | QTY | | | PART NO. | DESCRIPTION |
|---------------|-----|---|---|------------|---|
| | U | E | P | | |
| QN13 | 4 | 4 | 4 | GG05271140 | 270 Ω |
| QN16 | | | | | |
| QN01 | 1 | 1 | 1 | HT309452A0 | P701-SEMICONDUCTORS Transistor 2SC945(Q or R) Transistor 2SC945(Q or R) Transistor 2SA733(Q or R) Transistor 2SA733(Q or R) Diode 1S2473 Diode 1S2473 Diode 1S2473 Diode 1S2473 Diode 1S2471 Diode 1S2471 |
| QN02 | 1 | 1 | 1 | HT309452A0 | |
| QN03 | 1 | 1 | 1 | HT107332A0 | |
| QN04 | 1 | 1 | 1 | HT107332A0 | |
| QN05 | 1 | 1 | 1 | HD20001210 | |
| QN06 | 1 | 1 | 1 | HD20001210 | |
| QN07 | 1 | 1 | 1 | HD20001210 | |
| QN08 | 1 | 1 | 1 | HD20001210 | |
| QN09 | 1 | 1 | 1 | HD20003210 | |
| QN10 | 1 | 1 | 1 | HD20003210 | |
| QN11 | 1 | 1 | 1 | HD20003210 | Diode 1S2471 |
| QN12 | 1 | 1 | 1 | HD20003210 | Diode 1S2471 |
| QN17 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| QN18 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| Q701 | 1 | 1 | 1 | HT323442A0 | Transistor 2SC2344(D or E) |
| Q702 | 1 | 1 | 1 | HT323442A0 | Transistor 2SC2344(D or E) |
| Q703 | 1 | 1 | 1 | HT110112A0 | Transistor 2SA1011(D or E) |
| Q704 | 1 | 1 | 1 | HT110112A0 | Transistor 2SA1011(D or E) |
| Q705 | 1 | 1 | 1 | HT328382B0 | Transistor 2SC2838(O or Y) |
| Q706 | 1 | 1 | 1 | HT328382B0 | Transistor 2SC2838(O or Y) |
| Q707 | 1 | 1 | 1 | HT111872B0 | Transistor 2SA1187(O or Y) |
| Q708 | 1 | 1 | 1 | HT111872B0 | Transistor 2SA1187(O or Y) |
| Q709 | 1 | 1 | 1 | HD20015030 | Diode DS135D |
| Q710 | 1 | 1 | 1 | HD20015030 | Diode DS135D |
| Q711 | 1 | 1 | 1 | HD20015030 | Diode DS135D |
| Q712 | 1 | 1 | 1 | HD20015030 | Diode DS135D |
| Q713 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| Q714 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| J701 | 1 | 1 | 1 | YP06001060 | P701-MISCELLANEOUS Plug, (7P) Plug, (7P) |
| J702 | 1 | 1 | 1 | YP06001060 | |
| L701 | 1 | 1 | 1 | LL23905120 | Choke Coil |
| L702 | 1 | 1 | 1 | LL23905120 | Choke Coil |
| P800 | 1 | 1 | 1 | YK104H1910 | P800-POWER SUPPLY CIRCUIT BOARD P.W. Board, Power Supply P.W. Board Assembly P.W. Board Assembly |
| | 1 | 1 | 1 | ZZ104H1910 | |
| | 1 | 1 | 1 | ZZ104H8910 | |
| Δ C801 | 1 | 1 | 1 | DK18103560 | P800-CAPACITORS Ceramic 0.01 μ F Elect 10000 μ F 63V Elect 10000 μ F 63V Elect 4.7 μ F 50V Elect 10 μ F 63V Elect 10 μ F 63V Elect 22 μ F 50V Elect 22 μ F 50V Elect 100 μ F 25V Elect 100 μ F 25V Elect 100 μ F 25V Elect 100 μ F 25V Elect 47 μ F 35V Elect 220 μ F 50V Elect 220 μ F 50V |
| Δ C803 | 1 | 1 | 1 | EB10906320 | |
| Δ C804 | 1 | 1 | 1 | EB10906320 | |
| C805 | 1 | 1 | 1 | EA47505030 | |
| C806 | 1 | 1 | 1 | EA10606330 | |
| C807 | 1 | 1 | 1 | EA10606330 | |
| C808 | 1 | 1 | 1 | EA22605030 | |
| C809 | 1 | 1 | 1 | EA22605030 | |
| C810 | 1 | 1 | 1 | EA10702530 | |
| C811 | 1 | 1 | 1 | EA10702530 | |
| C812 | 1 | 1 | 1 | EA10702530 | |
| C813 | 1 | 1 | 1 | EA10702530 | |
| C814 | 1 | 1 | 1 | EA47603530 | |
| C815 | 1 | 1 | 1 | EA22705030 | |
| C816 | 1 | 1 | 1 | EA22705030 | |

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- (E): for Europe
- (P): for PX

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|---|------|---|---|------------|---------------------------|
| | U | E | P | | |
| C817 | 1 | 1 | 1 | EA10505030 | Elect 1μF 50V |
| C818 | 1 | 1 | 1 | EA10701030 | Elect 100μF 10V |
| C819 | 1 | 1 | 1 | EA10701030 | Elect 100μF 10V |
| C820 | 1 | 1 | 1 | EA22601630 | Elect 22μF 16V |
| C821 | 1 | 1 | 1 | EA10505030 | Elect 1μF 50V |
| C822 | 1 | 1 | 1 | EA33705030 | Elect 330μF 50V |
| C823 | 1 | 1 | 1 | EA10701030 | Elect 100μF 10V |
| C824 | 1 | 1 | 1 | EA47603530 | Elect 47μF 35V |
| C825 | 1 | 1 | 1 | EA10505030 | Elect 1μF 50V |
| △ C826 | 1 | 1 | 1 | DK18103560 | Ceramic 0.01μF |
| △ C827 | 1 | 1 | 1 | DK18103560 | Ceramic 0.01μF |
| △ C828 | 1 | 1 | 1 | DK18103560 | Ceramic 0.01μF |
| △ C829 | 1 | 1 | 1 | DK18103560 | Ceramic 0.01μF |
| P800-RESISTORS (All Resistors are ±5% and ¼W) | | | | | |
| R801 | 1 | 1 | 1 | GD05273140 | 27KΩ |
| R802 | 1 | 1 | 1 | GP05131050 | 130Ω 5W |
| R803 | 1 | 1 | 1 | GP05331030 | 330Ω 3W |
| R804 | 1 | 1 | 1 | GG05102140 | 1KΩ |
| R805 | 1 | 1 | 1 | GG05102140 | 1KΩ |
| R806 | 1 | 1 | 1 | GD05221140 | 220Ω |
| R807 | 1 | 1 | 1 | GD05681140 | 680Ω |
| R808 | 1 | 1 | 1 | GD05473140 | 47KΩ |
| R809 | 1 | 1 | 1 | GA05271010 | 270Ω |
| R810 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R811 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R812 | 1 | 1 | 1 | GD05563140 | 56KΩ |
| R813 | 1 | 1 | 1 | GG05152140 | 1.5KΩ |
| R814 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| R815 | 1 | 1 | 1 | GD05220140 | 22Ω |
| R815 | 1 | 1 | 1 | GD05100140 | 10Ω |
| R816 | 1 | 1 | 1 | GD05473140 | 47KΩ |
| R817 | 1 | 1 | 1 | GD05183140 | 18KΩ |
| R818 | 1 | 1 | 1 | GD05103140 | 10KΩ |
| R819 | 1 | 1 | 1 | GG05391120 | 390Ω ¼W |
| R820 | 1 | 1 | 1 | GA05331010 | 330Ω 1W |
| R821 | 1 | 1 | 1 | GD05822140 | 8.2KΩ |
| P800-SEMICONDUCTORS | | | | | |
| △ Q801 | 1 | 1 | 1 | HD20011290 | Diode S3V20 |
| △ Q802 | 1 | 1 | 1 | HD20011290 | Diode S3V20 |
| △ Q803 | 1 | 1 | 1 | HD20011290 | Diode S3V20 |
| △ Q804 | 1 | 1 | 1 | HD20011290 | Diode S3V20 |
| Q805 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q806 | 1 | 1 | 1 | HT403131Q0 | Transistor 2SD313(E) |
| Q807 | 1 | 1 | 1 | HT205071Q0 | Transistor 2SB507(E) |
| △ Q808 | 1 | 1 | 1 | HD20018030 | Diode DBA-10 |
| Q809 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q810 | 1 | 1 | 1 | HD30065090 | Zener BZ-280 |
| Q811 | 1 | 1 | 1 | HD30053090 | Zener XZ-068 |
| Q812 | 1 | 1 | 1 | HD403131Q0 | Transistor 2SD313(E) |
| Q813 | 1 | 1 | 1 | HD30009060 | Zener RD-6.2EB |
| Q814 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| Q815 | 1 | 1 | 1 | HD20015030 | Diode DS135D |
| Q816 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q817 | 1 | 1 | 1 | HD30065090 | Zener BZ-280 |
| Q818 | 1 | 1 | 1 | HT107332A0 | Transistor 2SA733(Q or R) |
| Q819 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| Q820 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|---|------|---|---|------------|------------------------------|
| | U | E | P | | |
| Q821 | 1 | 1 | 1 | HD30014060 | Zener RD22EB2 |
| Q822 | 1 | 1 | 1 | HD30014060 | Zener RD22EB2 |
| Q823 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| P800-MISCELLANEOUS | | | | | |
| J822 | 1 | 1 | 1 | YJ06002440 | Jack (4P) |
| J824 | 1 | 1 | 1 | YJ06002390 | Jack (5P) |
| PC50-SCAN STEP SWITCH CIRCUIT BOARD | | | | | |
| PC50 | 1 | 1 | 1 | YK103H1760 | P.W. Board, Scan Step Switch |
| | 1 | 1 | 1 | ZZ103H1760 | P.W. Board Assembly |
| SC51 | 1 | 1 | 1 | SS02030130 | Slide Switch, Scan Step |
| WC56 | 1 | 1 | 1 | YU03500260 | Jumper Lead, (3P) |
| PE00-TONE AMP. CIRCUIT BOARD | | | | | |
| PE00 | 1 | 1 | 1 | YK104H1920 | P.W. Board, Tone Amp. |
| | 1 | 1 | 1 | ZZ104H1920 | P.W. Board Assembly |
| PE00-CAPACITORS | | | | | |
| CE01 | 1 | 1 | 1 | EA10505030 | Elect 1μF 50V |
| CE02 | 1 | 1 | 1 | EA10505030 | Elect 1μF 50V |
| CE03 | 1 | 1 | 1 | DK16391300 | Ceramic 390pF ±10% |
| CE04 | 1 | 1 | 1 | DK16391300 | Ceramic 390pF ±10% |
| CE05 | 1 | 1 | 1 | EA10602530 | Elect 10μF 25V |
| CE06 | 1 | 1 | 1 | EA10602530 | Elect 10μF 25V |
| CE07 | 1 | 1 | 1 | EA47505030 | Elect 4.7μF 50V |
| CE08 | 1 | 1 | 1 | EA47505030 | Elect 4.7μF 50V |
| CE09 | 1 | 1 | 1 | EA10701030 | Elect 100μF 10V |
| CE10 | 1 | 1 | 1 | EA10701030 | Elect 100μF 10V |
| CE11 | 1 | 1 | 1 | EA10701030 | Elect 100μF 10V |
| CE12 | 1 | 1 | 1 | EA10701030 | Elect 100μF 10V |
| CE43 | 1 | 1 | 1 | EA10702530 | Elect 100μF 10V |
| CE44 | 1 | 1 | 1 | EA10702530 | Elect 100μF 10V |
| PE00-RESISTORS (All Resistors are ±5% and ¼W) | | | | | |
| RE01 | 1 | 1 | 1 | GD05221140 | 220Ω |
| RE02 | 1 | 1 | 1 | GD05221140 | 220Ω |
| RE03 | 1 | 1 | 1 | GD05823140 | 82KΩ |
| RE04 | 1 | 1 | 1 | GD05823140 | 82KΩ |
| RE05 | 1 | 1 | 1 | GD05561140 | 560Ω |
| RE06 | 1 | 1 | 1 | GD05561140 | 560Ω |
| RE07 | 1 | 1 | 1 | GD05392140 | 3.9KΩ |
| RE08 | 1 | 1 | 1 | GD05392140 | 3.9KΩ |
| RE09 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| RE10 | 1 | 1 | 1 | GD05104140 | 100KΩ |
| RE11 | 1 | 1 | 1 | GD05391140 | 390Ω |
| RE12 | 1 | 1 | 1 | GD05391140 | 390Ω |
| RE13 | 1 | 1 | 1 | GD05223140 | 22KΩ |
| RE14 | 1 | 1 | 1 | GD05223140 | 22KΩ |
| RE15 | 1 | 1 | 1 | GD05221140 | 220Ω |
| RE16 | 1 | 1 | 1 | GD05221140 | 220Ω |
| RE17 | 1 | 1 | 1 | GD05392140 | 3.9KΩ |
| RE18 | 1 | 1 | 1 | GD05392140 | 3.9KΩ |
| RE19 | 1 | 1 | 1 | GD05332140 | 3.3KΩ |
| RE20 | 1 | 1 | 1 | GD05332140 | 3.3KΩ |
| RE66 | 1 | 1 | 1 | GG05101140 | 100Ω |
| RE67 | 1 | 1 | 1 | GG05101140 | 100Ω |
| RE69 | 1 | 1 | 1 | GA05180010 | 18Ω |

- (U): for U.S.A.
- (E): for Europe
- (P): for PX

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|--|
| | U | E | P | | |
| QE01 | 1 | 1 | 1 | HC10013370 | PE00-ICs IC TL4558PB |
| QE02 | 1 | 1 | 1 | HC10013370 | IC TL4558PB |
| JE01 | 1 | 1 | 1 | YJ06002390 | PE00-JACK Jack, (5P) |
| JE02 | 1 | 1 | 1 | YJ06002390 | Jack, (5P) |
| PE01 | 1 | 1 | 1 | YK104H1930 | PE01-CONNECTION CIRCUIT BOARD P.W. Board, Connection |
| | 1 | 1 | 1 | ZZ104H1930 | P.W. Board Assembly |
| CE45 | 1 | 1 | 1 | EA10701630 | PE01-CAPACITORS Elect 100 μ F 16V |
| CE46 | 1 | 1 | 1 | EA10701630 | Elect 100 μ F 16V |
| RE68 | 1 | 1 | 1 | GD05272140 | PE01-RESISTOR 2.7K Ω \pm 5% $\frac{1}{4}$ W |
| QE13 | 1 | 1 | 1 | HD30027090 | PE01-SEMICONDUCTORS Zener WZ-140 |
| QE14 | 1 | 1 | 1 | HT40313100 | Transistor 2SD313V(E) |
| PE02 | 1 | 1 | 1 | YK104H1940 | PE02-TONE AMP. CIRCUIT BOARD P.W. Board, Tone Amp. |
| | 1 | 1 | 1 | ZZ104H1940 | P.W. Board Assembly |
| CE13 | 1 | 1 | 1 | EA22505030 | PE02-CAPACITORS Elect 2.2 μ F 50V |
| CE14 | 1 | 1 | 1 | EA22505030 | Elect 2.2 μ F 50V |
| CE15 | 1 | 1 | 1 | EA47405030 | Elect 0.47 μ F 50V |
| CE16 | 1 | 1 | 1 | EA47405030 | Elect 0.47 μ F 50V |
| CE17 | 1 | 1 | 1 | DF17154300 | Film 0.15 μ F \pm 20% |
| CE18 | 1 | 1 | 1 | DF17154300 | Film 0.15 μ F \pm 20% |
| CE19 | 1 | 1 | 1 | DF17333300 | Film 0.033 μ F \pm 20% |
| CE20 | 1 | 1 | 1 | DF17333300 | Film 0.033 μ F \pm 20% |
| CE21 | 1 | 1 | 1 | DF17822300 | Film 8200pF \pm 20% |
| CE22 | 1 | 1 | 1 | DF17822300 | Film 8200pF \pm 20% |
| CE23 | 1 | 1 | 1 | EA10405030 | Elect 0.1 μ F 50V |
| CE24 | 1 | 1 | 1 | EA10405030 | Elect 0.1 μ F 50V |
| CE25 | 1 | 1 | 1 | DF17223300 | Film 0.022 μ F \pm 20% |
| CE26 | 1 | 1 | 1 | DF17223300 | Film 0.022 μ F \pm 20% |
| CE27 | 1 | 1 | 1 | DF17562300 | Film 5600pF \pm 20% |
| CE28 | 1 | 1 | 1 | DF17562300 | Film 5600pF \pm 20% |
| CE29 | 1 | 1 | 1 | DF17152300 | Film 1500pF \pm 20% |
| CE30 | 1 | 1 | 1 | DF17152300 | Film 1500pF \pm 20% |
| CE31 | 1 | 1 | 1 | DK16391300 | Ceramic 390pF \pm 10% |
| CE32 | 1 | 1 | 1 | DK16391300 | Ceramic 390pF \pm 10% |
| CE33 | 1 | 1 | 1 | DD15220370 | Ceramic 22pF \pm 5% |
| CE34 | 1 | 1 | 1 | DD15220370 | Ceramic 22pF \pm 5% |
| CE35 | 1 | 1 | 1 | DD15220370 | Ceramic 22pF \pm 5% |
| CE36 | 1 | 1 | 1 | DD15220370 | Ceramic 22pF \pm 5% |
| CE37 | 1 | 1 | 1 | DD15220370 | Ceramic 22pF \pm 5% |
| CE38 | 1 | 1 | 1 | DD15220370 | Ceramic 22pF \pm 5% |
| CE39 | 1 | 1 | 1 | DD15220370 | Ceramic 22pF \pm 5% |
| CE40 | 1 | 1 | 1 | DD15220370 | Ceramic 22pF \pm 5% |
| CE41 | 1 | 1 | 1 | DD15220370 | Ceramic 22pF \pm 5% |
| CE42 | 1 | 1 | 1 | DD15220370 | Ceramic 22pF \pm 5% |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|---|
| | U | E | P | | |
| RE21 | 1 | 1 | 1 | GD05101140 | PE02-RESISTORS (All Resistors are \pm 5% and $\frac{1}{4}$ W) 100 Ω |
| RE22 | 1 | 1 | 1 | GD05101140 | 100 Ω |
| RE23 | 1 | 1 | 1 | GD05101140 | 100 Ω |
| RE24 | 1 | 1 | 1 | GD05101140 | 100 Ω |
| RE25 | 1 | 1 | 1 | GD05101140 | 100 Ω |
| RE26 | 1 | 1 | 1 | GD05101140 | 100 Ω |
| RE27 | 1 | 1 | 1 | GD05101140 | 100 Ω |
| RE28 | 1 | 1 | 1 | GD05101140 | 100 Ω |
| RE29 | 1 | 1 | 1 | GD05101140 | 100 Ω |
| RE30 | 1 | 1 | 1 | GD05101140 | 100 Ω |
| RE31 | 1 | 1 | 1 | GD05473140 | 47K Ω |
| RE32 | 1 | 1 | 1 | GD05473140 | 47K Ω |
| RE33 | 1 | 1 | 1 | GD05473140 | 47K Ω |
| RE34 | 1 | 1 | 1 | GD05473140 | 47K Ω |
| RE35 | 1 | 1 | 1 | GD05473140 | 47K Ω |
| RE36 | 1 | 1 | 1 | GD05473140 | 47K Ω |
| RE37 | 1 | 1 | 1 | GD05473140 | 47K Ω |
| RE38 | 1 | 1 | 1 | GD05473140 | 47K Ω |
| RE39 | 1 | 1 | 1 | GD05473140 | 47K Ω |
| RE40 | 1 | 1 | 1 | GD05473140 | 47K Ω |
| RE41 | 1 | 1 | 1 | GD05472140 | 4.7K Ω |
| RE42 | 1 | 1 | 1 | GD05472140 | 4.7K Ω |
| RE43 | 1 | 1 | 1 | GD05472140 | 4.7K Ω |
| RE44 | 1 | 1 | 1 | GD05472140 | 4.7K Ω |
| RE45 | 1 | 1 | 1 | GD05472140 | 4.7K Ω |
| RE46 | 1 | 1 | 1 | GD05472140 | 4.7K Ω |
| RE47 | 1 | 1 | 1 | GD05472140 | 4.7K Ω |
| RE48 | 1 | 1 | 1 | GD05472140 | 4.7K Ω |
| RE49 | 1 | 1 | 1 | GD05472140 | 4.7K Ω |
| RE50 | 1 | 1 | 1 | GD05472140 | 4.7K Ω |
| RE51 | 1 | 1 | 1 | GD05102140 | 1K Ω |
| RE52 | 1 | 1 | 1 | GD05102140 | 1K Ω |
| RE53 | 1 | 1 | 1 | GD05102140 | 1K Ω |
| RE54 | 1 | 1 | 1 | GD05102140 | 1K Ω |
| RE55 | 1 | 1 | 1 | GD05102140 | 1K Ω |
| RE56 | 1 | 1 | 1 | GD05102140 | 1K Ω |
| RE57 | 1 | 1 | 1 | GD05102140 | 1K Ω |
| RE58 | 1 | 1 | 1 | GD05102140 | 1K Ω |
| RE59 | 1 | 1 | 1 | GD05102140 | 1K Ω |
| RE60 | 1 | 1 | 1 | GD05102140 | 1K Ω |
| QE03 | 1 | 1 | 1 | HT323622B0 | PE02-SEMICONDUCTORS Transistor 2SC2362(G or H) |
| QE04 | 1 | 1 | 1 | HT323622B0 | Transistor 2SC2362(G or H) |
| QE05 | 1 | 1 | 1 | HT323622B0 | Transistor 2SC2362(G or H) |
| QE06 | 1 | 1 | 1 | HT323622B0 | Transistor 2SC2362(G or H) |
| QE07 | 1 | 1 | 1 | HT323622B0 | Transistor 2SC2362(G or H) |
| QE08 | 1 | 1 | 1 | HT323622B0 | Transistor 2SC2362(G or H) |
| QE09 | 1 | 1 | 1 | HT323622B0 | Transistor 2SC2362(G or H) |
| QE10 | 1 | 1 | 1 | HT323622B0 | Transistor 2SC2362(G or H) |
| QE11 | 1 | 1 | 1 | HT323622B0 | Transistor 2SC2362(G or H) |
| QE12 | 1 | 1 | 1 | HT323622B0 | Transistor 2SC2362(G or H) |
| WE02 | 1 | 1 | 1 | YU08100260 | PE02-MISCELLANEOUS Jumper Lead, (8P) |
| WE03 | 1 | 1 | 1 | YU08100260 | Jumper Lead, (8P) |

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| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|---|
| | U | E | P | | |
| PE03 | 1 | 1 | 1 | YK104H1950 | PE03-TONE VOLUME CIRCUIT BOARD P.W. Board, Tone Volume P.W. Board Assembly |
| | 1 | 1 | 1 | ZZ104H1950 | |
| RE61 | 1 | 1 | 1 | RS05030380 | PE03-RESISTORS 50K Ω (W), Variable |
| RE62 | 1 | 1 | 1 | RS05030380 | |
| RE63 | 1 | 1 | 1 | RS05030380 | |
| RE64 | 1 | 1 | 1 | RS05030380 | |
| RE65 | 1 | 1 | 1 | RS05030380 | |
| PG00 | 1 | 1 | 1 | YK104H1960 | PG00-VOL/VALANCE CIRCUIT BOARD P.W. Board, Vol/Balance P.W. Board Assembly |
| | 1 | 1 | 1 | ZZ104H1960 | |
| RG01 | 1 | 1 | 1 | RM01040270 | Variable Resistor 100K Ω (B) |
| RG02 | 1 | 1 | 1 | RK02040120 | Variable Resistor 200K Ω (W) |
| WE01 | 1 | 1 | 1 | YU05480260 | Jumper Lead, (5P) |
| PJ01 | 1 | 1 | 1 | YH104H0210 | PJ01-TAPE MONITOR SWITCH CIRCUIT BOARD P.W. Board, Tape Monitor Switch P.W. Board Assembly |
| | 1 | 1 | 1 | ZZ104H0210 | |
| CJ01 | 1 | 1 | 1 | DK17103300 | Ceramic Cap. 0.01 μ F \pm 20% |
| JJ01 | 1 | | | YT02040350 | Terminal, Tape 1 |
| JJ01 | | 1 | 1 | YT02040340 | Terminal, Tape 1 |
| JJ02 | 1 | | | YT02040350 | Terminal, Tape 2 |
| JJ02 | | 1 | 1 | YT02040340 | Terminal, Tape 2 |
| SJ01 | 1 | 1 | 1 | SS06060010 | Slide Switch |
| SJ02 | 1 | 1 | 1 | SR00050100 | Rotary Switch |
| WJ01 | 1 | 1 | 1 | YU07160260 | Jumper Lead, (7P) |
| PK01 | 1 | 1 | 1 | YK104H1990 | PK01-EQ OUT CIRCUIT BOARD P.W. Board, EQ out P.W. Board Assembly |
| | 1 | 1 | 1 | ZZ104H1990 | |
| RK01 | 1 | 1 | 1 | GD05103140 | Resistor 10K Ω \pm 5% $\frac{1}{4}$ W |
| RK02 | 1 | 1 | 1 | GD05103140 | Resistor 10K Ω \pm 5% $\frac{1}{4}$ W |
| RK03 | 1 | 1 | 1 | GD05681140 | Resistor 680 Ω \pm 5% $\frac{1}{4}$ W |
| RK04 | 1 | 1 | 1 | GD05681140 | Resistor 680 Ω \pm 5% $\frac{1}{4}$ W |
| JK01 | 1 | 1 | 1 | YJ01001340 | Jack, EQ Out |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|-------------|------|---|---|------------|--|
| | U | E | P | | |
| PL00 | 1 | 1 | 1 | YK104H1970 | PL00-SPEAKER PROTECTOR CIRCUIT BOARD P.W. Board, Speaker Protector P.W. Board Assembly |
| | 1 | 1 | 1 | ZZ104H1970 | |
| RL01 | 1 | 1 | 1 | GG05152120 | Resistor 1.5K Ω \pm 5% $\frac{1}{4}$ W |
| RL02 | 1 | 1 | 1 | GG05152120 | Resistor 1.5K Ω \pm 5% $\frac{1}{4}$ W |
| QL01 | 1 | 1 | 1 | HD20015030 | Diode DS135D |
| QL02 | 1 | 1 | 1 | HD20015030 | Diode DS135D |
| JL01 | 1 | 1 | 1 | YT03080010 | Terminal, Speaker |
| LL01 | 1 | 1 | 1 | LY20240190 | Relay, System 1 |
| LL02 | 1 | 1 | 1 | LY20240190 | Relay, System 2 |
| PQ00 | 1 | 1 | 1 | YK104H1980 | PQ00-AC POWER RELAY CIRCUIT BOARD P.W. Board, AC Power Relay P.W. Board Assembly P.W. Board Assembly P.W. Board Assembly |
| | 1 | | | ZZ104H1980 | |
| | | 1 | 1 | ZZ104H9980 | |
| CQ01 | 1 | | | DK18103530 | PQ00-CAPACITORS Ceramic 0.01 μ F 125V Ceramic 0.01 μ F 400V Ceramic 0.01 μ F 250V Ceramic 0.01 μ F 400V Ceramic 0.01 μ F 250V |
| | | 1 | | DK18103840 | |
| CQ01 | | | 1 | DK18103850 | |
| CQ02 | | 1 | | DK18103840 | |
| CQ02 | | | 1 | DK18103850 | |
| QQ01 | 1 | 1 | 1 | HD20015030 | PQ00-SEMICONDUCTOR Diode DS135D |
| LQ01 | 1 | 1 | 1 | LY10240050 | PQ00-MISCELLANEOUS Relay Relay |
| | | 1 | 1 | LY10240050 | |
| PS00 | 1 | 1 | 1 | YK103H3430 | PS00-FILTER/LOUDNESS CIRCUIT BOARD P.W. Board, Filter/Loudness P.W. Board Assembly |
| | 1 | 1 | 1 | ZZ103H3430 | |
| CS01 | 1 | 1 | 1 | DF15473300 | PS00-CAPACITORS Film 0.047 μ F \pm 5% Film 0.047 μ F \pm 5% Ceramic 680pF \pm 10% Ceramic 680pF \pm 10% Film 5600pF \pm 5% Film 5600pF \pm 5% Elect 0.1 μ F 50V Elect 0.1 μ F 50V Elect 0.01 μ F |
| | | 1 | 1 | DF15473300 | |
| CS02 | 1 | 1 | 1 | DK16681300 | |
| CS03 | 1 | 1 | 1 | DK16681300 | |
| CS04 | 1 | 1 | 1 | DK16681300 | |
| CS05 | 1 | 1 | 1 | DF15562300 | |
| CS06 | 1 | 1 | 1 | DF15562300 | |
| CS07 | 1 | 1 | 1 | EA10405030 | |
| CS08 | 1 | 1 | 1 | EA10405030 | |
| CS09 | 1 | 1 | 1 | EA10405030 | |

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| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|--|------|---|---|------------|--|
| | U | E | P | | |
| PS00-RESISTORS (All Resistors are $\pm 5\%$ and $\frac{1}{4}W$) | | | | | |
| RS01 | 1 | 1 | 1 | GD05822140 | 8.2K Ω |
| RS02 | 1 | 1 | 1 | GD05822140 | 8.2K Ω |
| RS03 | 1 | 1 | 1 | GD05183140 | 18K Ω |
| RS04 | 1 | 1 | 1 | GD05183140 | 18K Ω |
| RS05 | 1 | 1 | 1 | GD05222140 | 2.2K Ω |
| RS06 | 1 | 1 | 1 | GD05222140 | 2.2K Ω |
| RS07 | 1 | 1 | 1 | GD05222140 | 2.2K Ω |
| RS08 | 1 | 1 | 1 | GD05222140 | 2.2K Ω |
| RS09 | 1 | 1 | 1 | GD05564140 | 560K Ω |
| RS10 | 1 | 1 | 1 | GD05564140 | 560K Ω |
| RS13 | 1 | 1 | 1 | GD05332140 | 3.3K Ω |
| RS14 | 1 | 1 | 1 | GD05332140 | 3.3K Ω |
| RS15 | 1 | 1 | 1 | GD05123140 | 12K Ω |
| RS21 | 1 | 1 | 1 | GD05823140 | 82K Ω |
| RS22 | 1 | 1 | 1 | GD05823140 | 82K Ω |
| PS00-MISCELLANEOUS | | | | | |
| JS01 | 1 | 1 | 1 | YJ06002430 | Jack, (3P) |
| JS02 | 1 | 1 | 1 | YJ06002430 | Jack, (3P) |
| SS01 | 1 | 1 | 1 | SP02090010 | Push Switch, Speaker/Filter |
| WS01 | 1 | 1 | 1 | YU05280260 | Jumper Lead, (5P) |
| WS04 | 1 | 1 | 1 | YU05220260 | Jumper Lead, (5P) |
| PS01-SPEAKER SWITCH CIRCUIT BOARD | | | | | |
| PS01 | 1 | 1 | 1 | YK103H3440 | P.W. Board, Speaker Switch |
| | 1 | 1 | 1 | ZZ103H3440 | P.W. Board Assembly |
| PS01-RESISTORS | | | | | |
| RS16 | 1 | 1 | 1 | GD05104140 | 100K Ω $\pm 5\%$ $\frac{1}{4}W$ |
| RS17 | 1 | 1 | 1 | GG05392120 | 3.9K Ω $\pm 5\%$ $\frac{1}{2}W$ |
| RS18 | 1 | 1 | 1 | GD05104140 | 100K Ω $\pm 5\%$ $\frac{1}{4}W$ |
| RS19 | 1 | 1 | 1 | GG05222120 | 2.2K Ω $\pm 5\%$ $\frac{1}{2}W$ |
| RS20 | 1 | 1 | 1 | GD05104140 | 100K Ω $\pm 5\%$ $\frac{1}{4}W$ |
| PS01-SEMICONDUCTORS | | | | | |
| QS01 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| QS02 | 1 | 1 | 1 | HT309452A0 | Transistor 2SC945(Q or R) |
| PS01-JACK | | | | | |
| JS03 | 1 | 1 | 1 | YJ06002430 | Jack, (3P) |
| PS50-TIMER SWITCH CIRCUIT BOARD | | | | | |
| PS50 | 1 | 1 | 1 | YK103H1740 | P.W. Board, Timer Switch |
| | 1 | 1 | 1 | ZZ103H1740 | P.W. Board Assembly |
| PS50-SEMICONDUCTORS | | | | | |
| QS51 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| QS52 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| QS53 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| QS54 | 1 | 1 | 1 | HD20011050 | Diode 1S1555 |
| QS55 | 1 | 1 | 1 | HD20011050 | Diode 1S1555 |
| QS56 | 1 | 1 | 1 | HD20011050 | Diode 1S1555 |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|--|------|---|---|------------|---|
| | U | E | P | | |
| PS50-MISCELLANEOUS | | | | | |
| SS51 | 1 | 1 | 1 | SR01060010 | Rotary Switch, Timer |
| WS55 | 1 | 1 | 1 | YU07240260 | Jumper Lead, (7P) |
| PT00-KEY BOARD SWITCH CIRCUIT BOARD | | | | | |
| PT00 | 1 | 1 | 1 | YK103H2760 | P.W. Board, Key Board Switch |
| | 1 | 1 | 1 | ZZ103H2760 | P.W. Board Assembly |
| RT01 | 1 | 1 | 1 | GD05681140 | Resistors 680 Ω $\pm 5\%$ $\frac{1}{4}W$ |
| PT00-SEMICONDUCTORS | | | | | |
| QT01 | 1 | 1 | 1 | HI10003320 | L.E.D. GL-2PR1 |
| QT02 | 1 | 1 | 1 | HI10003320 | L.E.D. GL-2PR1 |
| QT03 | 1 | 1 | 1 | HI10003320 | L.E.D. GL-2PR1 |
| QT04 | 1 | 1 | 1 | HI10003320 | L.E.D. GL-2PR1 |
| QT05 | 1 | 1 | 1 | HI10003320 | L.E.D. GL-2PR1 |
| QT06 | 1 | 1 | 1 | HI10003320 | L.E.D. GL-2PR1 |
| QT07 | 1 | 1 | 1 | HI10003320 | L.E.D. GL-2PR1 |
| QT08 | 1 | 1 | 1 | HI10003320 | L.E.D. GL-2PR1 |
| PT00-SWITCHES | | | | | |
| ST01 | 1 | 1 | 1 | SP01010470 | Push Switch, Memory 1 |
| ST02 | 1 | 1 | 1 | SP01010470 | Push Switch, Memory 2 |
| ST03 | 1 | 1 | 1 | SP01010470 | Push Switch, Memory 3 |
| ST04 | 1 | 1 | 1 | SP01010470 | Push Switch, Memory 4 |
| ST05 | 1 | 1 | 1 | SP01010470 | Push Switch, Memory 5 |
| ST06 | 1 | 1 | 1 | SP01010470 | Push Switch, Memory 6 |
| ST07 | 1 | 1 | 1 | SP01010470 | Push Switch, Memory 7 |
| ST08 | 1 | 1 | 1 | SP01010470 | Push Switch, Memory 8 |
| ST09 | 1 | 1 | 1 | SP01010470 | Push Switch, Time 9 |
| ST10 | 1 | 1 | 1 | SP01010470 | Push Switch, Time 0 |
| ST11 | 1 | 1 | 1 | SP01010470 | Push Switch, Memory |
| ST12 | 1 | 1 | 1 | SP01010470 | Push Switch, Up |
| ST13 | 1 | 1 | 1 | SP01010470 | Push Switch, Down |
| WT01 | 1 | 1 | 1 | YU08180260 | Jumper Lead, (8P) |
| WT02 | 1 | 1 | 1 | YU07200260 | Jumper Lead, (7P) |
| WT11 | 1 | 1 | 1 | YB01300040 | Connective Cord, (8P) |
| PT50-POWER OFF SWITCH CIRCUIT BOARD | | | | | |
| PT50 | 1 | 1 | 1 | YK103H2770 | P.W. Board, Power OFF Switch |
| | 1 | 1 | 1 | ZZ103H2770 | P.W. Board Assembly |
| ST51 | 1 | 1 | 1 | SP01010470 | Push Switch, Power OFF |
| WT57 | 1 | 1 | 1 | YU02400260 | Jumper Lead, (2P) |

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| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|----------------------------|------|---|---|------------|--|
| | U | E | P | | |
| PU00 | 1 | 1 | 1 | YK103H1730 | PU00-FUNCTION SWITCH CIRCUIT BOARD P.W. Board, Function Switch |
| | 1 | 1 | 1 | ZZ103H1730 | P.W. Board Assembly |
| RU01 | 1 | 1 | 1 | GD05331140 | Resistor 330Ω ±5% ¼W |
| PU00-SEMICONDUCTORS | | | | | |
| QU01 | 1 | 1 | 1 | HI10012320 | L.E.D. Aux |
| QU02 | 1 | 1 | 1 | HI10012320 | L.E.D. Phono |
| QU04 | 1 | 1 | 1 | HI10012320 | L.E.D. AM |
| QU05 | 1 | 1 | 1 | HI10012320 | L.E.D. FM |
| PU00-MISCELLANEOUS | | | | | |
| SU01 | 1 | 1 | 1 | SP01010480 | Push Switch, Aux |
| SU02 | 1 | 1 | 1 | SP01010480 | Push Switch, Phone |
| SU04 | 1 | 1 | 1 | SP01010480 | Push Switch, AM |
| SU05 | 1 | 1 | 1 | SP01010480 | Push Switch, FM |
| WU09 | 1 | 1 | 1 | YU06160260 | Jumper Lead, (6P) |
| WU10 | 1 | 1 | 1 | YU05160260 | Jumper Lead, (5P) |

| REF. DESIG. | Q'TY | | | PART NO. | DESCRIPTION |
|--------------------------------------|------|---|---|------------|--|
| | U | E | P | | |
| PU50 | 1 | 1 | 1 | YK103H1720 | PU50-C/F DISPLAY CIRCUIT BOARD P.W. Board, C/F Display |
| | 1 | 1 | 1 | ZZ103H1720 | P.W. Board Assembly |
| RU51 | 1 | 1 | 1 | GD05272140 | Resistor 2.7KΩ ±5% ¼W |
| QU51 | 1 | 1 | 1 | HD20001210 | Diode 1S2473 |
| SU51 | 1 | 1 | 1 | SP02040100 | Push Switch |
| WU54 | 1 | 1 | 1 | YU06200260 | Jumper Lead, (6P) |
| WU62 | 1 | 1 | 1 | YU02180260 | Jumper Lead, (2P) |
| CU51 | 1 | 1 | 1 | DK17103300 | Ceramic Cap. 0.01μF |
| PW01-HEAD PHONE CIRCUIT BOARD | | | | | |
| PW01 | 1 | 1 | 1 | YK103H1770 | P.W. Board, Head Phone |
| | 1 | 1 | 1 | ZZ103H1770 | P.W. Board Assembly |
| JW01 | 1 | 1 | 1 | YJ01001340 | Jack, Head Phone |

| | |
|----------|---------------------|
| (W01-99) | Assembly and Wiring |
| (T01-99) | Adjustment |
| (X01-00) | Correction |

9. TECHNICAL SPECIFICATIONS

AMPLIFIER STAGE

RATED OUTPUT PER CHANNEL

| | |
|---|-------|
| 4 OHMS DIN | 95W |
| 4 OHMS RMS | 88W |
| 8 OHMS DIN | 75W |
| 8 OHMS RMS | 70W |
| TOTAL HARMONIC DISTORTION AT RMS 8 OHMS | 0.03% |
| DAMPING FACTOR 8 OHMS (1 kHz) | 50 |

PREAMP STAGE

| | |
|------------------------------|-----------------------|
| Frequency Response | |
| Phono: (RIAA) | ±1.0 dB (20 – 20 kHz) |
| Aux: (±2 dB) | 16 Hz – 30 kHz |
| Signal/Noise Ratio | |
| Phono: 7.75 mV 20V out | 81 dB |
| Aux: VOL MAX 20V out | 96 dB |
| Input Sensitivity/Imp. | |
| Phono | 2.7 mV/47 kΩ |
| Auxiliary | 160 mV/27 kΩ |

FM STAGE (87.5 – 108 MHz)

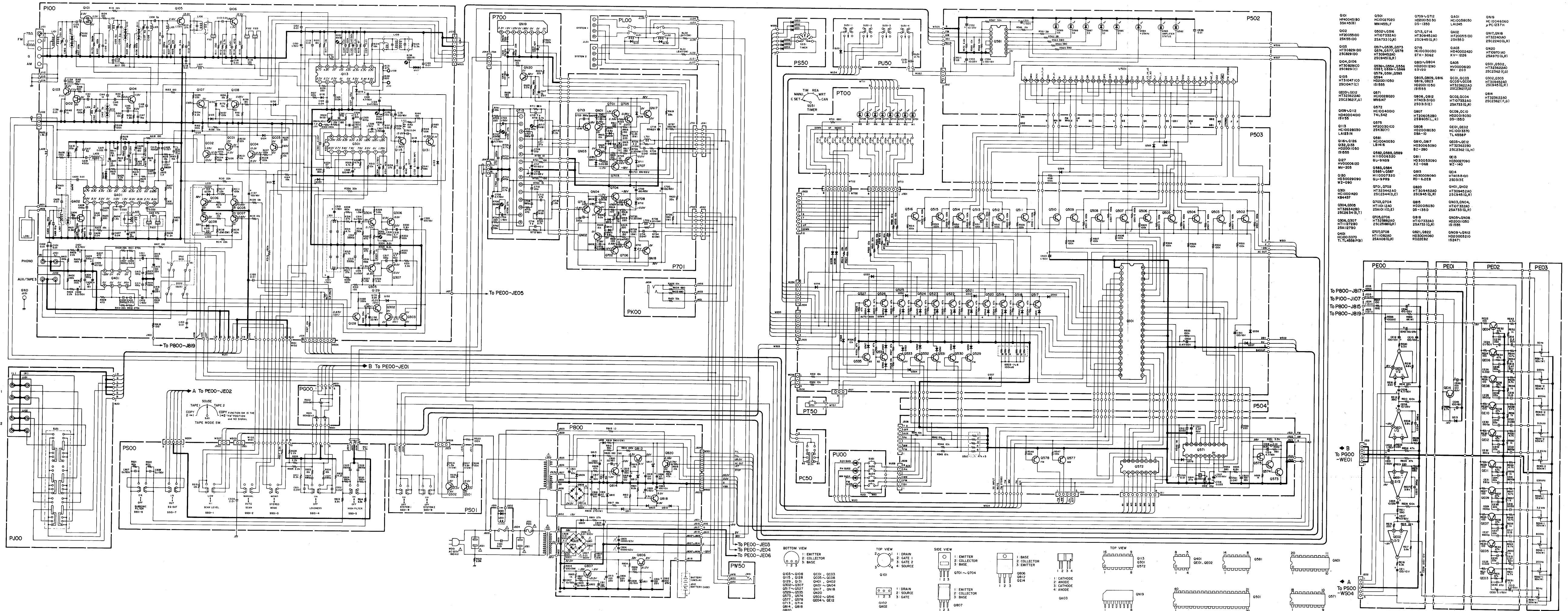
| | |
|---|--------|
| Sensitivity | |
| DIN Mono (S/N 26 dB, 75Ω) | 1.0 μV |
| DIN Stereo (S/N 46 dB, 75Ω) | 20 μV |
| Selectivity/Adjacent Channel 98 MHz | 60 dB |
| Signal/Noise Ratio 98 MHz | |
| Unweighted: Mono | 67 dB |
| Stereo | 63 dB |
| Weighted: Mono | 75 dB |
| Stereo | 70 dB |

MW STAGE (522 – 1611, 530 – 1620 kHz)

| | |
|---|-------|
| Sensitivity (20 dB S/N 30% mod., 1 MHz) | 30 μV |
| Selectivity | 30 dB |

GENERAL

| | |
|--|---|
| Power Requirements | 220V AC, 50 Hz |
| | (E and N versions are featuring an external voltage selector for use on other voltages. Other versions can be converted by a qualified technician to operate on 240V.) |
| Power Consumption at Rated Output, Both Channels Operating | 250W |
| Dimensions | |
| Panel Width | 416 mm |
| Panel Height | 117.5 mm |
| Depth | 388 mm |
| Net Weight | 11.0 kg |



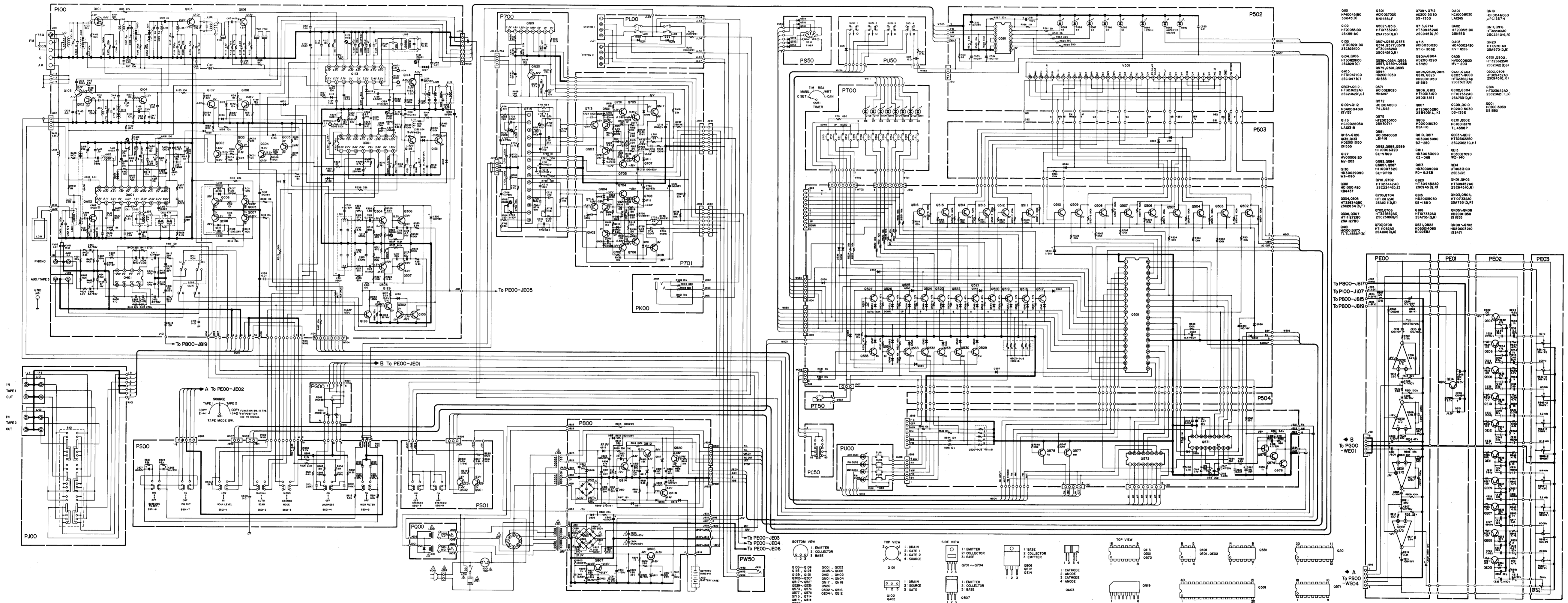
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Q101 | Q102 | Q103 | Q104 | Q105 | Q106 | Q107 | Q108 | Q201 | Q202 | Q203 | Q204 | Q205 | Q206 | Q207 | Q208 | Q301 | Q302 | Q303 | Q304 | Q305 | Q306 | Q307 | Q308 | Q401 | Q402 | Q403 | Q404 | Q405 | Q406 | Q407 | Q408 | Q501 | Q502 | Q503 | Q504 | Q505 | Q506 | Q507 | Q508 | Q601 | Q602 | Q603 | Q604 | Q605 | Q606 | Q607 | Q608 | Q701 | Q702 | Q703 | Q704 | Q705 | Q706 | Q707 | Q708 | Q801 | Q802 | Q803 | Q804 | Q805 | Q806 | Q807 | Q808 | Q901 | Q902 | Q903 | Q904 | Q905 | Q906 | Q907 | Q908 | Q1001 | Q1002 | Q1003 | Q1004 | Q1005 | Q1006 | Q1007 | Q1008 | Q1101 | Q1102 | Q1103 | Q1104 | Q1105 | Q1106 | Q1107 | Q1108 | Q1201 | Q1202 | Q1203 | Q1204 | Q1205 | Q1206 | Q1207 | Q1208 | Q1301 | Q1302 | Q1303 | Q1304 | Q1305 | Q1306 | Q1307 | Q1308 | Q1401 | Q1402 | Q1403 | Q1404 | Q1405 | Q1406 | Q1407 | Q1408 | Q1501 | Q1502 | Q1503 | Q1504 | Q1505 | Q1506 | Q1507 | Q1508 | Q1601 | Q1602 | Q1603 | Q1604 | Q1605 | Q1606 | Q1607 | Q1608 | Q1701 | Q1702 | Q1703 | Q1704 | Q1705 | Q1706 | Q1707 | Q1708 | Q1801 | Q1802 | Q1803 | Q1804 | Q1805 | Q1806 | Q1807 | Q1808 | Q1901 | Q1902 | Q1903 | Q1904 | Q1905 | Q1906 | Q1907 | Q1908 | Q2001 | Q2002 | Q2003 | Q2004 | Q2005 | Q2006 | Q2007 | Q2008 | Q2101 | Q2102 | Q2103 | Q2104 | Q2105 | Q2106 | Q2107 | Q2108 | Q2201 | Q2202 | Q2203 | Q2204 | Q2205 | Q2206 | Q2207 | Q2208 | Q2301 | Q2302 | Q2303 | Q2304 | Q2305 | Q2306 | Q2307 | Q2308 | Q2401 | Q2402 | Q2403 | Q2404 | Q2405 | Q2406 | Q2407 | Q2408 | Q2501 | Q2502 | Q2503 | Q2504 | Q2505 | Q2506 | Q2507 | Q2508 | Q2601 | Q2602 | Q2603 | Q2604 | Q2605 | Q2606 | Q2607 | Q2608 | Q2701 | Q2702 | Q2703 | Q2704 | Q2705 | Q2706 | Q2707 | Q2708 | Q2801 | Q2802 | Q2803 | Q2804 | Q2805 | Q2806 | Q2807 | Q2808 | Q2901 | Q2902 | Q2903 | Q2904 | Q2905 | Q2906 | Q2907 | Q2908 | Q3001 | Q3002 | Q3003 | Q3004 | Q3005 | Q3006 | Q3007 | Q3008 | Q3101 | Q3102 | Q3103 | Q3104 | Q3105 | Q3106 | Q3107 | Q3108 | Q3201 | Q3202 | Q3203 | Q3204 | Q3205 | Q3206 | Q3207 | Q3208 | Q3301 | Q3302 | Q3303 | Q3304 | Q3305 | Q3306 | Q3307 | Q3308 | Q3401 | Q3402 | Q3403 | Q3404 | Q3405 | Q3406 | Q3407 | Q3408 | Q3501 | Q3502 | Q3503 | Q3504 | Q3505 | Q3506 | Q3507 | Q3508 | Q3601 | Q3602 | Q3603 | Q3604 | Q3605 | Q3606 | Q3607 | Q3608 | Q3701 | Q3702 | Q3703 | Q3704 | Q3705 | Q3706 | Q3707 | Q3708 | Q3801 | Q3802 | Q3803 | Q3804 | Q3805 | Q3806 | Q3807 | Q3808 | Q3901 | Q3902 | Q3903 | Q3904 | Q3905 | Q3906 | Q3907 | Q3908 | Q4001 | Q4002 | Q4003 | Q4004 | Q4005 | Q4006 | Q4007 | Q4008 | Q4101 | Q4102 | Q4103 | Q4104 | Q4105 | Q4106 | Q4107 | Q4108 | Q4201 | Q4202 | Q4203 | Q4204 | Q4205 | Q4206 | Q4207 | Q4208 | Q4301 | Q4302 | Q4303 | Q4304 | Q4305 | Q4306 | Q4307 | Q4308 | Q4401 | Q4402 | Q4403 | Q4404 | Q4405 | Q4406 | Q4407 | Q4408 | Q4501 | Q4502 | Q4503 | Q4504 | Q4505 | Q4506 | Q4507 | Q4508 | Q4601 | Q4602 | Q4603 | Q4604 | Q4605 | Q4606 | Q4607 | Q4608 | Q4701 | Q4702 | Q4703 | Q4704 | Q4705 | Q4706 | Q4707 | Q4708 | Q4801 | Q4802 | Q4803 | Q4804 | Q4805 | Q4806 | Q4807 | Q4808 | Q4901 | Q4902 | Q4903 | Q4904 | Q4905 | Q4906 | Q4907 | Q4908 | Q5001 | Q5002 | Q5003 | Q5004 | Q5005 | Q5006 | Q5007 | Q5008 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|

Note on safety: The parts marked with Δ are important parts on the safety. Please use the parts having the designated parts number without fail.

Components and wiring are subject to change for modification without notice.

10. SCHEMATIC DIAGRAM

Model SR8100DC(N)



Note on safety: The parts marked with Δ are important parts on the safety. Please use the parts having the designated parts number without fail.

Components and wiring are subject to change for modification without notice.