

4100
6/



marantz

model 4100

Quadraxial 4 console amplifier

TABLE OF CONTENTS

| SECTION | PAGE |
|---|---------|
| Introduction | 1 |
| Service Notes | 1 |
| Selector Switch | 1 |
| Mode Switch | 1 |
| Pre-Amplifier | 2 |
| Balance Control | 2 |
| Main Amplifier | 2 |
| BTL (Balanced Transformerless) Connection | 3 |
| Power Supply Unit | 3 |
| Trouble Analysis | 3 |
| Power Amplifier Adjustment | 3 |
| Power Supply Adjustment | 3 |
| Meter Adjustment | 3 |
| Phono Amplifier Adjustment | 4 |
| Test Equipment Required for Servicing | 4 |
| Performance Verification | 5 |
| Parts List | 17 ~ 25 |
| Technical Specifications | 26 |

LIST OF ILLUSTRATIONS

FIGURE NO.

| | |
|--|-------|
| 1. AC Power Control Box Simplified Schematic | 6 |
| 2. Amplifier Output Load Box Simplified Schematic | 7 |
| 3. Front Panel Adjustment and Component Locations | 7 |
| 4. Main Chassis Component Locations (Top View) | 8 |
| 5. Rear Panel Adjustment and Component Locations | 8 |
| 6. Main Chassis Component Locations (Bottom View) | 9 |
| 7. Tape Mon., Hi Filter Unit Assembly P250 Component Locations | 9 |
| 8. Main-Remote Speaker Switch Unit Assembly P300 Component Locations | 10 |
| 9. Loudness Unit Assembly P350 Component Locations | 10 |
| 10. Tone Amplifier Assembly P400 Component Locations | 10 |
| 11. Vari-Matrix Unit Assembly P500 Component Locations | 11 |
| 12. Meter Rectifier Unit Assembly P550 Component Locations | 11 |
| 13. Temperature Compensation Unit Assembly P580 Component Locations..... | 11 |
| 14. Power Amplifier Assembly P600 Component Locations | 12 |
| 15. Phono Equalizer Amplifier Assembly P700 Component Locations | 13 |
| 16. Tone Control Unit Assembly P750 Component Locations | 13 |
| 17. Power Supply Unit Assembly P800 Component Locations | 14 |
| 18. AC Rectifier Assembly P850 Component Locations | 14 |
| 19. Balance Variable Resistor Unit Assembly P900 Component Locations | 14 |
| 20. Schematic Diagram | 15,16 |

marantz®**SERVICE BULLETIN**

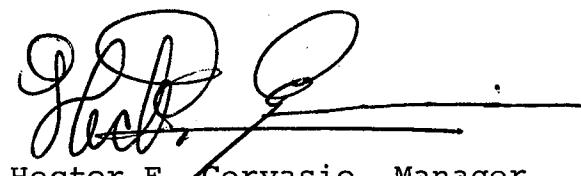
| | |
|---|------------------------------------|
| model number 4100 | bulletin number M-4100-2 |
| for serial numbers ALL | |
| subject SERVICE MANUAL CORRECTION | |
| engineering approval <i>H. E. Gervasio</i> | date 7-24-73 |

This service bulletin is issued to correct misprints in the Model 4100 Service Manual.

Incorporate this change into the service manual, as soon as possible, to ensure proper reference information.

On page 21, Reference Designation Numbers H001 thru H008, Marantz Part Numbers HT310151D should be changed as follows:

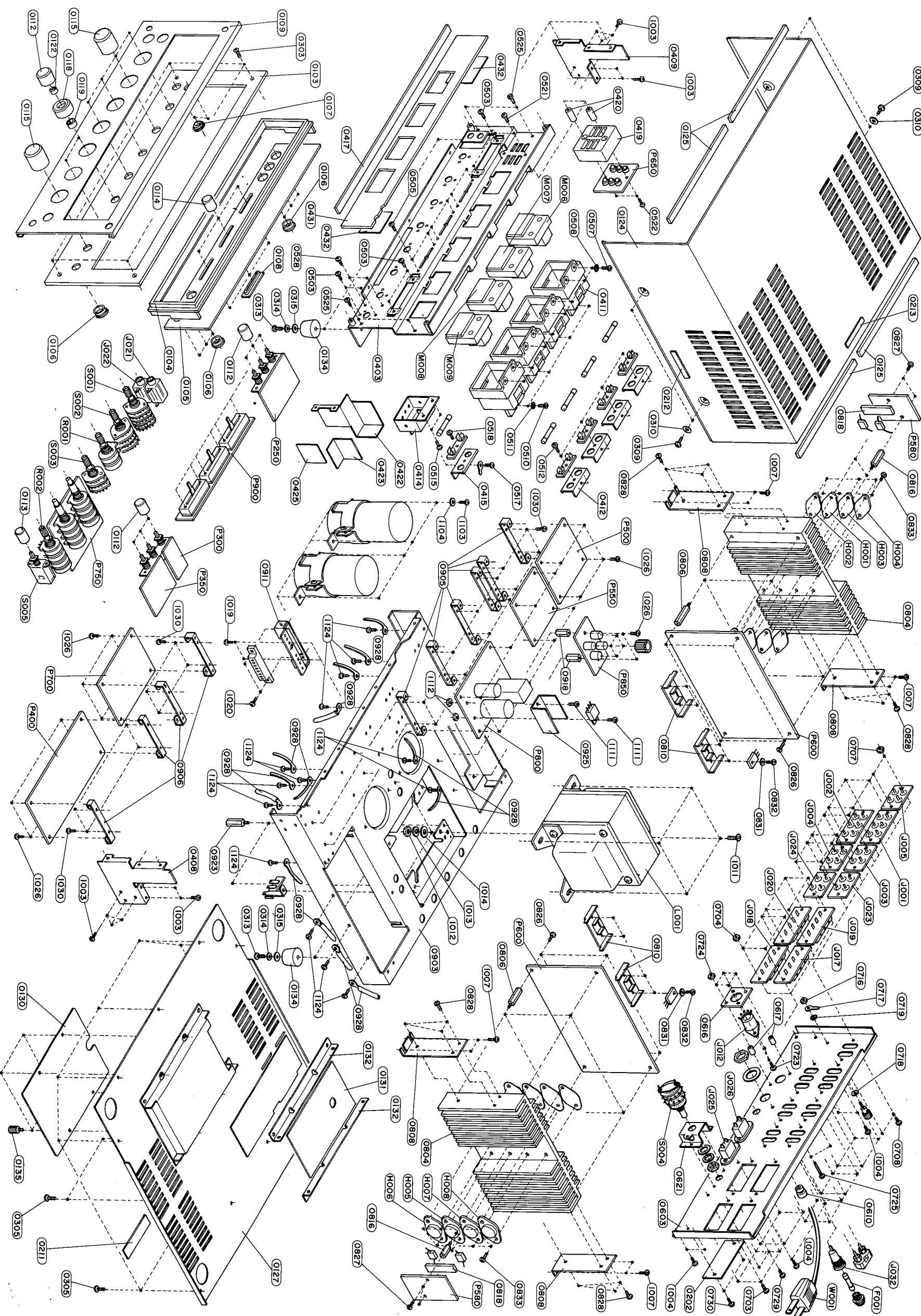
| <u>Ref. Desg.</u> | <u>Mz. Part No.</u> | <u>Description</u> |
|-------------------|---------------------|---------------------------------|
| H001, H002 | HT310511DO | Transistor 2SC1051 B or D, Pair |
| H003, H004 | HT310511DO | Transistor 2SC1051 B or D, Pair |
| H005, H006 | HT310511DO | Transistor 2SC1051 B or D, Pair |
| H007, H008 | HT310511DO | Transistor 2SC1051 B or D, Pair |

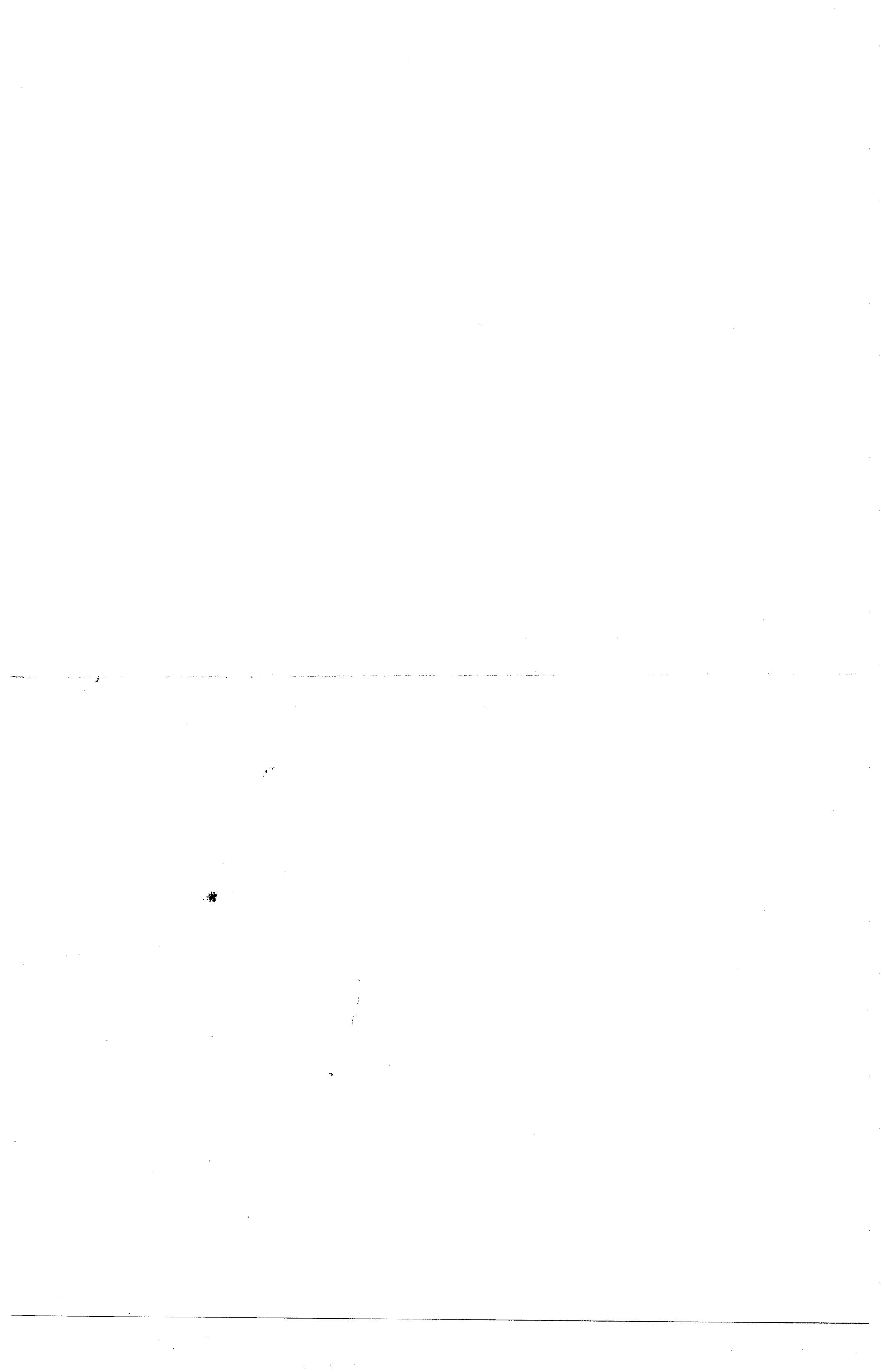


Hector E. Gervasio, Manager
Technical Services

MARANTZ
SUN VALLEY, CALIF., U.S.A.®

EXPLODED MECHANICAL DIAGRAM FOR MODEL 4100





to limit current or to control the power transistors so that do not operate beyond the safety area.

In case either excessive current flows, or the load becomes almost entirely reactive, in the power stage, the transistors H607 and H609 and the diodes H622 and H624 are operated through the resistors R642 and R644, so that the power transistors are protected from damage.

7. BTL (Balanced Transformerless) CONNECTION

This power amplifier is designed to operate in either 2-channel or 4-channel modes, depending on the setting of the AMPLIFIER MODE switch that incorporates phase-conversion and power switch for BTL connection.

With this switch placed in the 25Wx4 position, this unit operates as a 25W 4 channel amplifier. With the switch placed in the 60Wx2 position, the unit operate as a 60W 2 channel amplifier, in which case, the power output is obtained only from REAR SPK terminals.

The transistor H626 convert the phase of 1 channel amplifier and 3 channel amplifier.

8. POWER SUPPLY UNIT

The power supply unit consisting of the transistors H801 and H802, operating as an automatic voltage regulator, provides +35V DC to all the amplifiers except the main amplifier.

The transistors H803, H804 and H805 operate the relay L801 that protects speakers from destruction, and has a time lag of from three to five seconds, for other transistors to work stably.

9. TROUBLE ANALYSIS

- | | |
|-------------------------------------|--|
| 1. Excessive line consumption | a. Check for shorted H851 through H854, C003, C004. b. Check for shorted transistor H001 through H008. Check L001 for short. |
| 2. No line consumption or zero bias | a. Check line cord, fuse, shorted H581, H582. b. Check for open rectifiers H851 through H854, or open L001. |
| 3. Excessive hum and noise | a. Check filter capacitors C003, C004, H801, H802. |
| 4. Parasitic oscillation | a. Check for defective C607, C608, C619, C620, C621, C622. |

10. POWER AMPLIFIER ADJUSTMENT

1. Connect a VTVM between J629 and J613 and adjust the trimming resistor R628 until the VTVM reads 10mV DC. For the other channel, connect the VTVM between J630 and J614 and adjust the R629 for the same reading.
2. Connect a VTVM between J623 and J629 and adjust the trimming resistor R613 until the VTVM reads 0V DC. For the other channel, connect the VTVM between J623 and J630 and adjust the trimming resistor R614 for the same reading.

11. POWER SUPPLY ADJUSTMENT

Connect a VTVM between J802(-) and J804(+) and adjust R806 until the VTVM reads 35.0V under no signal condition.

12. METER ADJUSTMENT

1. Connect the audio oscillator to the AUX input, set audio oscillator frequency to 1KHz. Set SELECTOR switch to AUX.
2. With the distortion analyzer connected across the output load (8-ohm), set the analyzer on the 30V AC scale.

3. Apply the audio oscillator output until the distortion analyzer indicates 15V and adjust the trimming resistor R551 until the meter indicator reads +2.

13. PHONO AMPLIFIER ADJUSTMENT

1. Connect the audio oscillator to the PHONO input, set audio oscillator frequency to 1KHz. Set SELECTOR switch to PHONO.
2. Connect the distortion analyzer to the TAPE OUT terminal that is terminated by the 47K ohm, set the analyzer on the 30V AC scale and connect the oscilloscope.
3. Increase the audio oscillator output gradually until a slight clipping on top of the sine-wave is observed on the oscilloscope. Adjust the trimming resistor R708 for equal clipping level. For the other channel adjust R709.

14. TEST EQUIPMENT REQUIRED FOR SERVICING

Table 1 lists the test equipment required for servicing the Model 4100 Solid-State Quadradial Console Amplifier.

| Item | Manufacturer and Model No. (or equivalent) | Use |
|---|--|--|
| Distortion Analyzer | Hewlett Packard, Model 331A or 333A | Measures distortion and voltage of amplifier output. |
| Audio Oscillator | Weston Model CVO-100P (NOTE: Less than 0.02 percent residual distortion is required.) | Sinewave and squarewave signal source. |
| Oscilloscope | Tektronix, Model 503; Data, Model 555 | Waveform analysis and trouble shooting. |
| VTVM | RCA Senior Volt-Ohmyst, Model WV-98C | Voltage and resistance measurements. |
| AC Wattmeter | Simpson, Model 390 | Monitors primary power consumption of amplifier. |
| AC Ammeter (0 to 10 amps) | Commercial Grade | Monitors amplifier output under short circuit condition. |
| Line Voltmeter (0 to 150 vac) | Commercial Grade | Monitors potential of primary power to amplifier. |
| Variable Autotransformer (0 to 140 vac, 10 amps). | Powerstat, Model 116B | Adjusts level of primary power to amplifier. |
| Shorting Plug | Use phono plug with 600 ohms across center pin and shell. | Shorts amplifier input to eliminate noise pickup. |
| Power Supply Bleeder Resistor (10 ohms at 1 W) | Commercial Grade | Discharges power supply filter capacitors prior to disassembly or resistance measurements. |
| Output Load Resistor ($8\Omega \pm 0.5\%$, 100W) | Commercial Grade | Provides 8-ohm load for amplifier output termination. |
| Output Load Resistor ($4\Omega \pm 0.5\%$, 100W) | Commercial Grade | Provides 4-ohm load for amplifier output termination. |

Table 1. Test Equipment Required for Servicing

15. PERFORMANCE VERIFICATION

Test Procedure

A. Test Equipment

Refer to Table 1 for required test equipment.

B. Preliminary Procedures

1. Make the test setup shown in Figure 1 with the instrument controls set in the following positions:

| | |
|----------------------|------------------------|
| Line Switch | off |
| Variable-line Switch | variable |
| Watt Meter Switch | on |
| Variac | 0 (fully CCW) |
| Load | 8 ohms (0.5 mfd - off) |
| Audio Generator | Frequency 1 KHz |
| Output | 5V range |
| Gain | minimum |
| AC Volt Meter | 30V range |

2. Make sure that connections between the resistive load and the system terminals of the Model 4100 have negligible resistance compared with the resistance of the load itself. Appreciable resistance in wiring adds to the total load, resulting in inaccurate measurements of output power.
3. Connect amplifier output to load and connect AC cord to line power. Connect a shorting plug to the PHONO input jack of the model 4100.
4. Remove the top cover.

C. Total Hum and Noise Test

1. With shorting plugs connected to the AUX input jacks and a 8-ohm resistive load connected across the speaker system output terminals, connect a distortion analyzer across the load.

NOTE: In this test and tests that follow, if distortion analyzer used does not contain a built-in voltmeter, a VTVM may be substituted.

2. Set the distortion analyzer controls for voltage measurements and apply power to the amplifier. Set the VOLUME control fully CCW. Set the SELECTOR switch to AUX and the MODE switch to DISCRETE.
3. If the distortion analyzer indicates more than 1.5mV, refer to the trouble analysis section of this manual.
4. Set the VOLUME control fully CW. If the distortion analyzer indicates more than 2mV, refer to the trouble analysis section of this manual.

D. Maximum Power Output

1. Connect the audio oscillator to the AUX input. Set audio oscillator frequency to 1KHz. Set SELECTOR switch to AUX.
2. With the distortion analyzer connected across the output load (8-ohm), set the analyzer on the 30V AC scale.
3. Turn the analyzer on and increase the audio oscillator output to 180mV, and verify the analyzer indicates more than 14.2V.

E. Harmonic Distortion Test

1. Set the frequency of the audio oscillator and the distortion analyzer to 20Khz.
2. Set the controls of the analyzer for voltage measurement on the 30-volt scale.
3. Adjust the audio oscillator output level until the analyzer meter indicates 10.9 volts.
4. Switch the distortion analyzer to Set Level - Manual mode, and adjust SENSITIVITY for full scale reading on 0-1 scale.

5. Measure the total harmonic distortion with the analyzer and verify it is less than 0.3%.
NOTE: Any parasitic oscillation in the amplifier will be displayed on the oscilloscope, when capacitance is switched into the load.
6. Switch the distortion analyzer back to SET LEVEL MANUAL.
(Do not adjust sensitivity of analyzer.)
7. Change the frequency of the audio oscillator and distortion analyzer to 1KHz. Adjust audio oscillator output as necessary to have a full scale reading on the 0-1 scale on the analyzer.
8. Measure the distortion, verifying it is no greater than 0.3%.
9. Repeat steps 7 and 8, changing frequency to 20Hz.
Distortion should be no more than 0.3%.
10. Check for parasitic oscillations; there should be none.

F. Channel Separation

1. Set audio oscillator to 20KHz. Connect oscillator to front left channel AUX input only, with shorting plug (10K ohm) in all other channels AUX input. Connect distortion analyzer to front left channel speaker output terminals.
2. Adjust oscillator output until distortion analyzer indicates 0 dB (2.8V).
3. Measure RF, LR, RR channel output. Distortion analyzer should indicate -30 dB or less.
4. Repeat step 1 and 2 with substituted channel driving.
5. If indication is not less than -30 dB, adjust input wires to preamp board until reading is -30 dB or less.

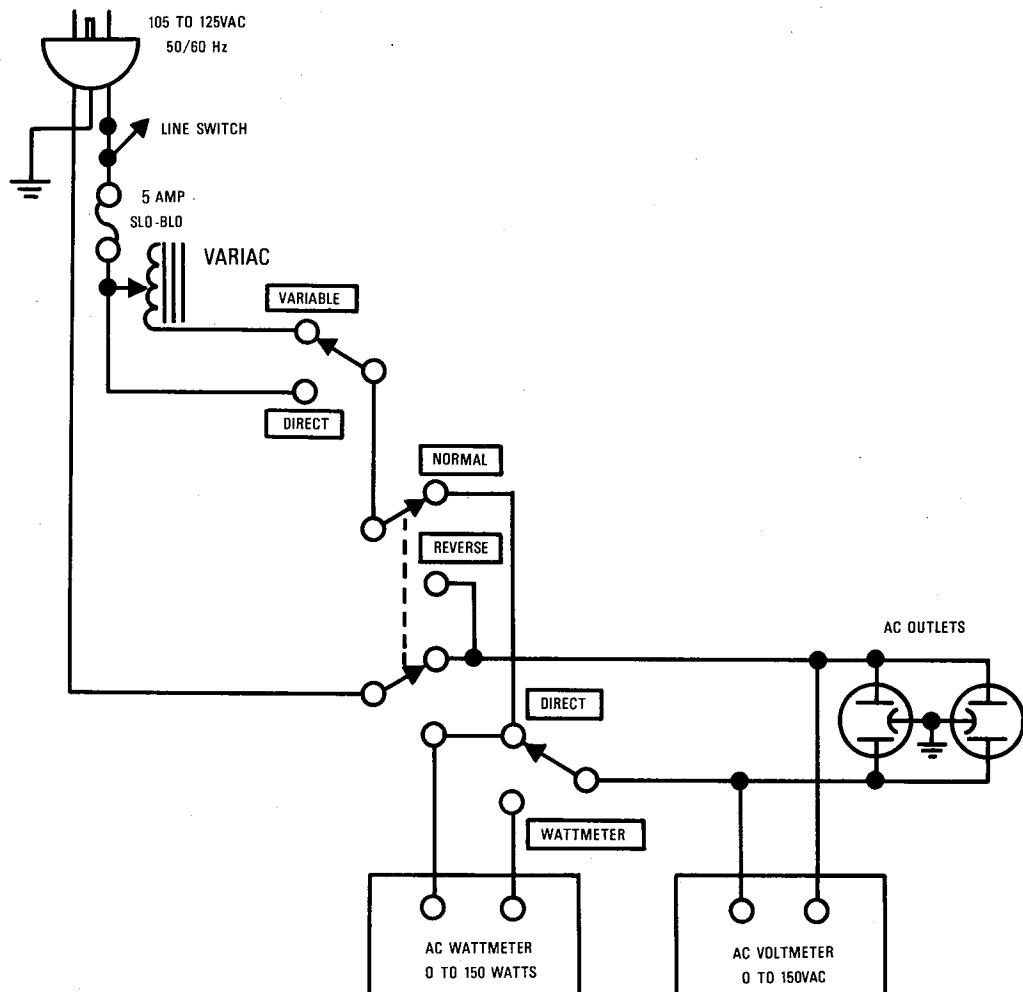


Figure 1. AC Power Control Box Simplified Schematic

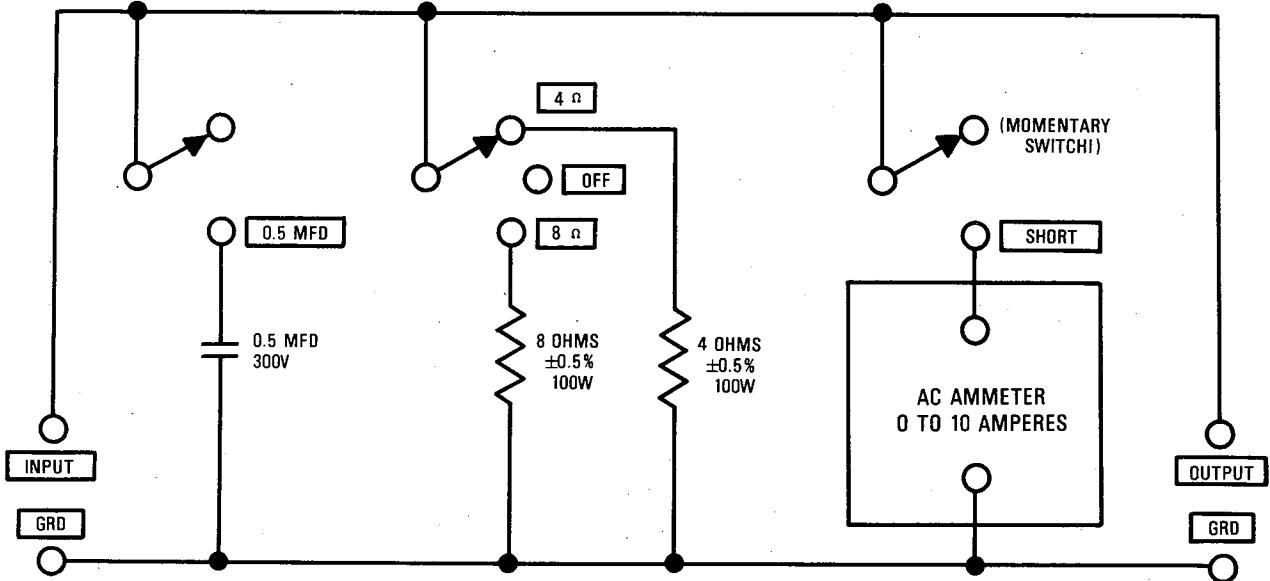


Figure 2. Amplifier Output Load Box Simplified Schematic

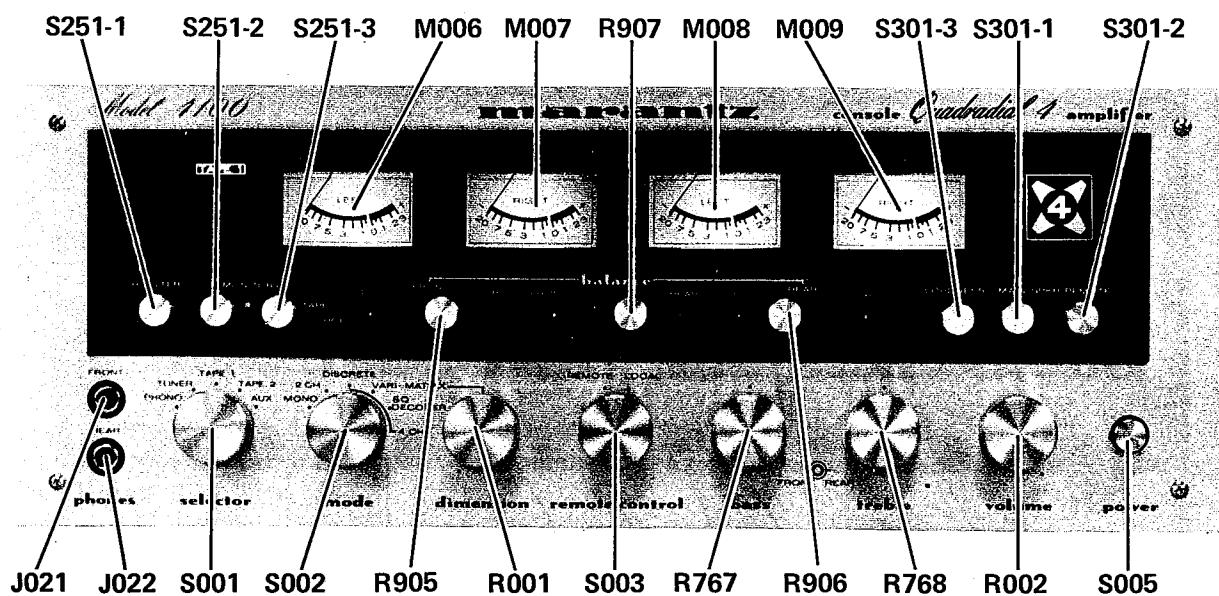


Figure 3. Front Panel Adjustment and Component Locations

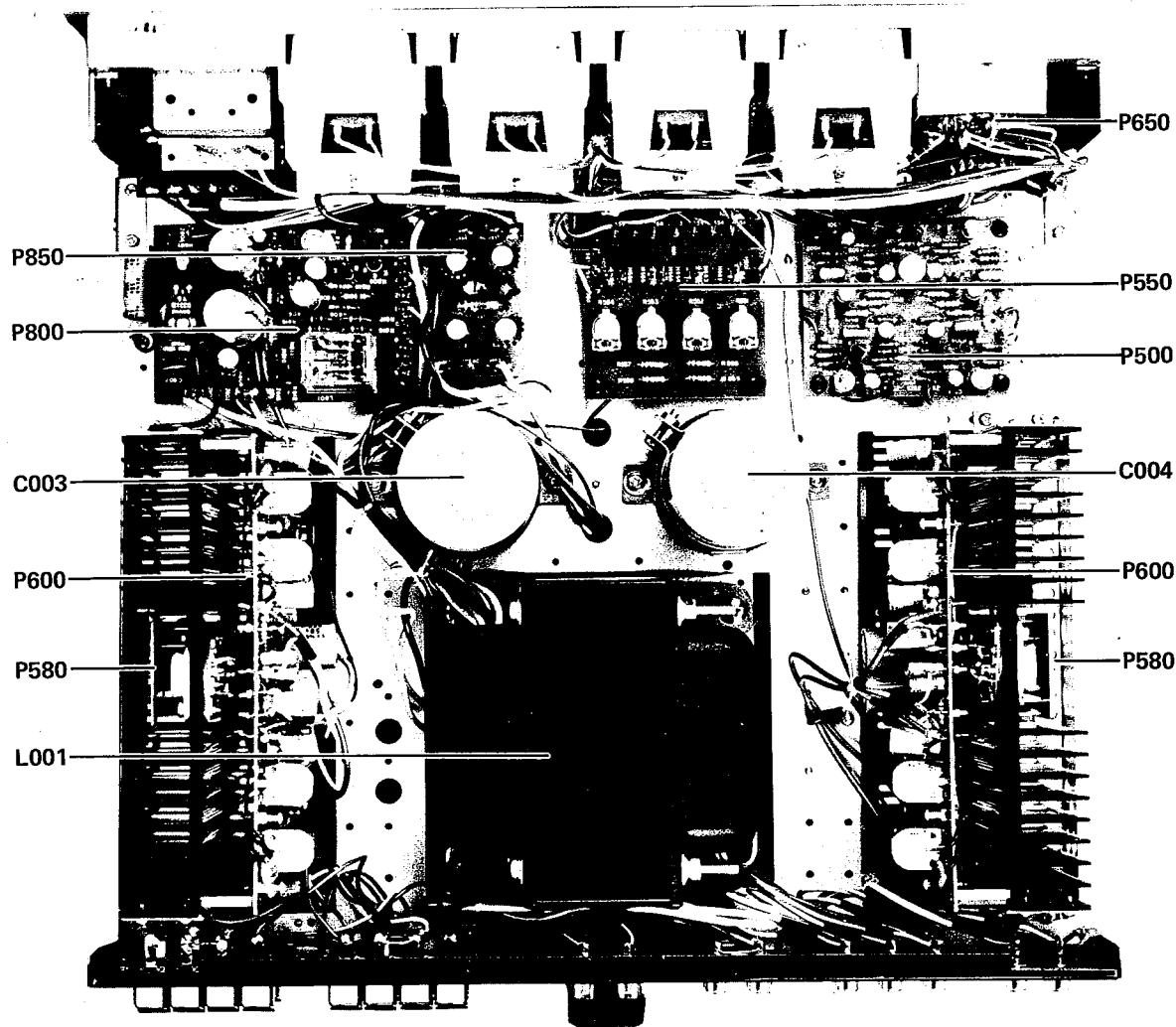


Figure 4. Main Chassis Component Locations (Top View)

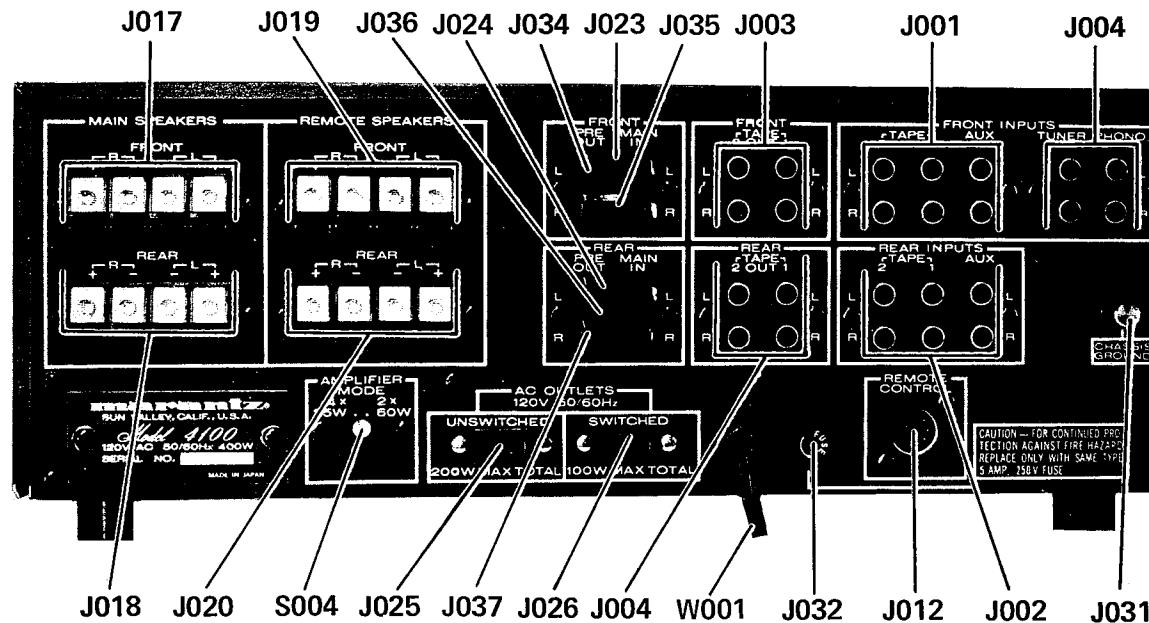


Figure 5. Rear Panel Adjustment and Component Locations

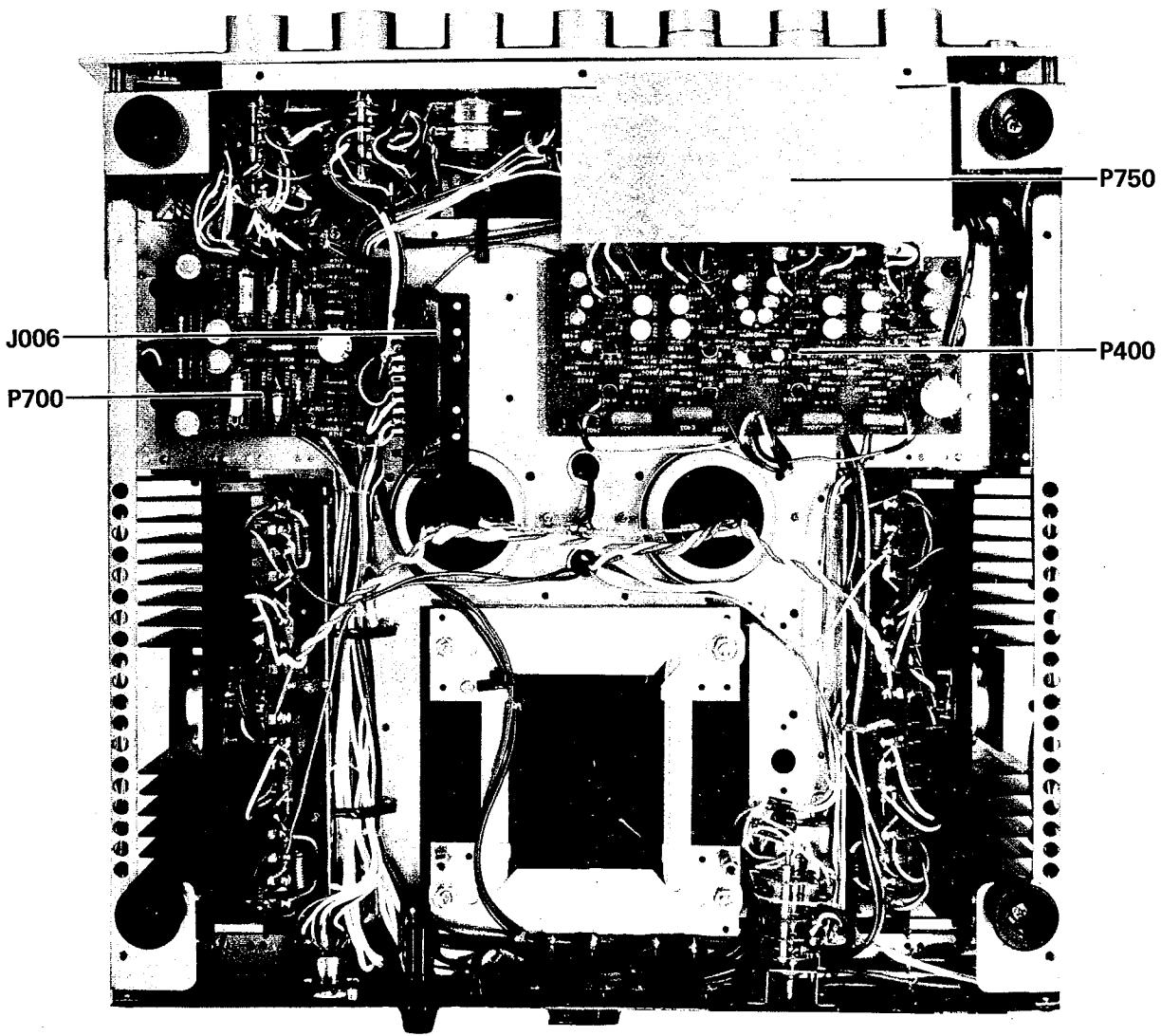


Figure 6. Main Chassis Component Locations (Bottom View)

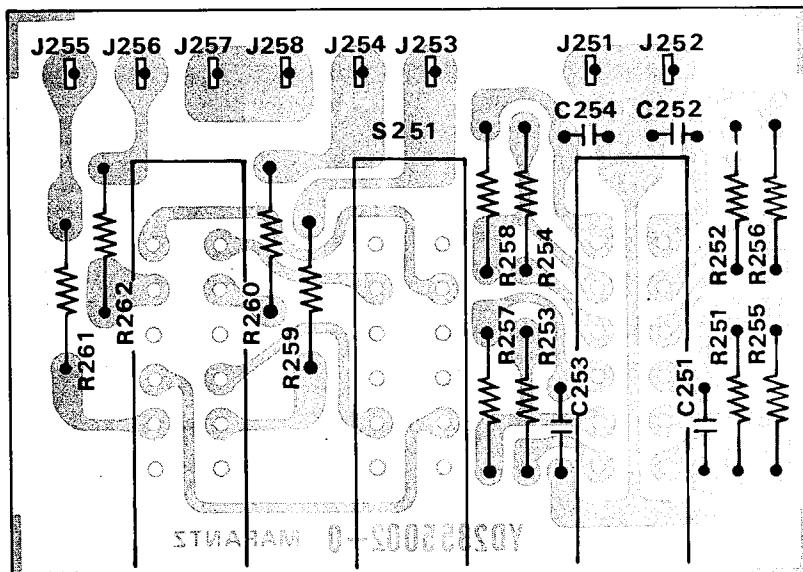


Figure 7. Tape Mon., Hi Filter Unit Assembly P250 Component Locations

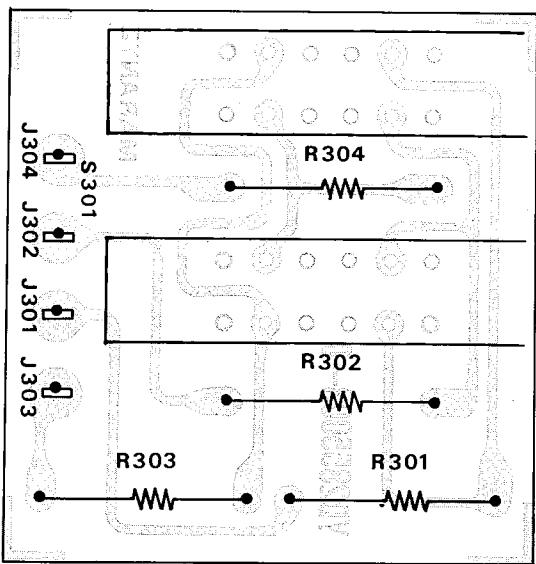


Figure 8. Main-Remote Speaker Switch Unit Assembly P300 Component Locations

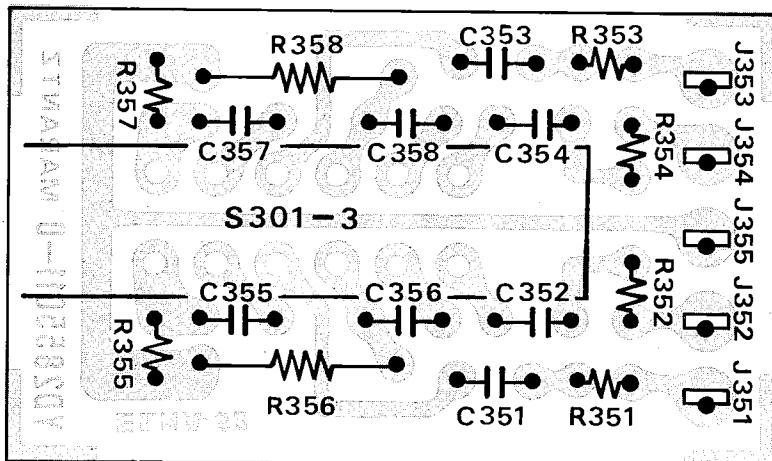


Figure 9. Loudness Unit Assembly P350 Component Locations

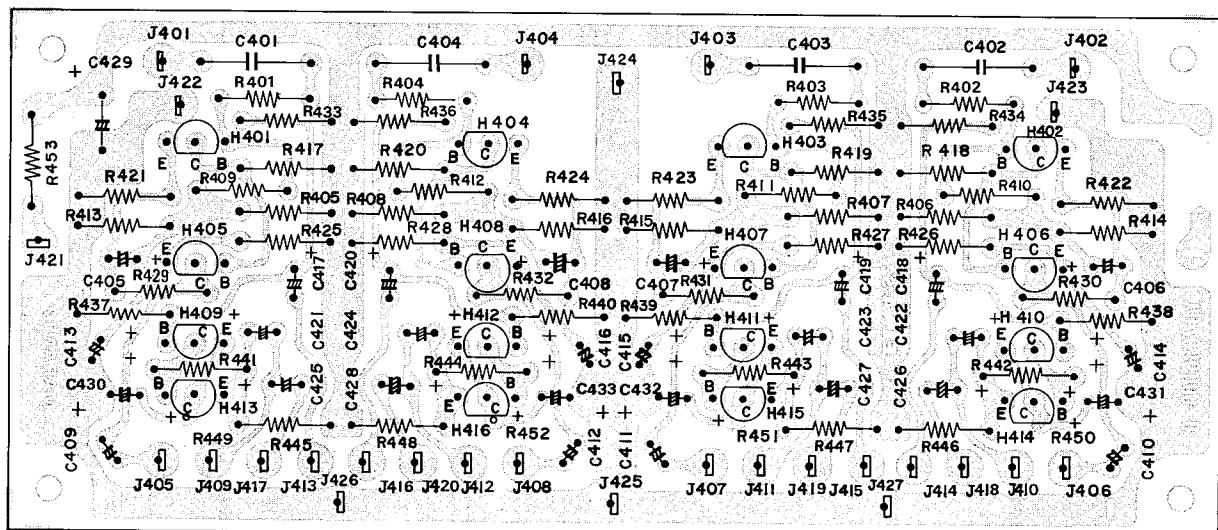


Figure 10. Tone Amplifier Assembly P400 Component Locations

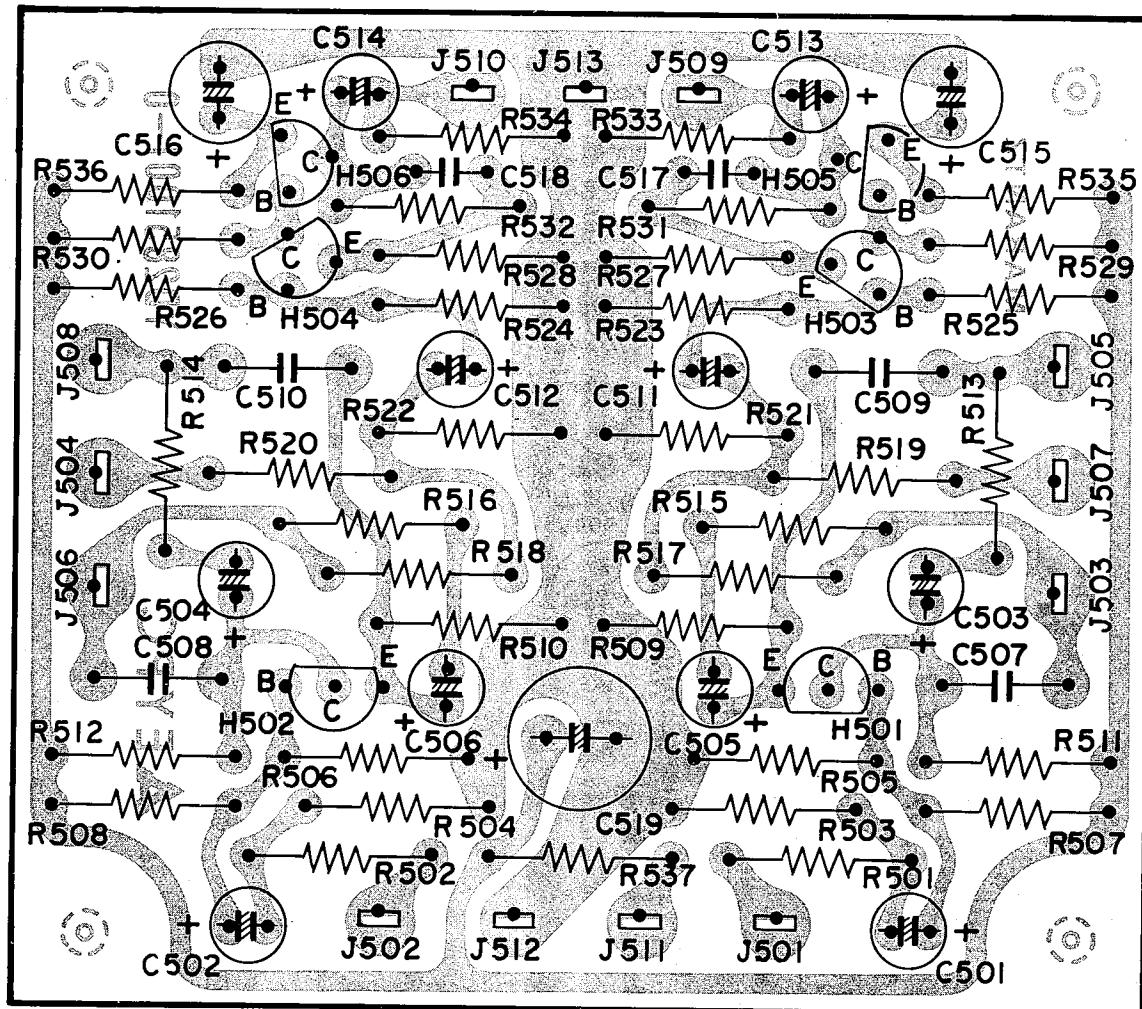


Figure 11. Vari-Matrix Unit Assembly P500 Component Locations

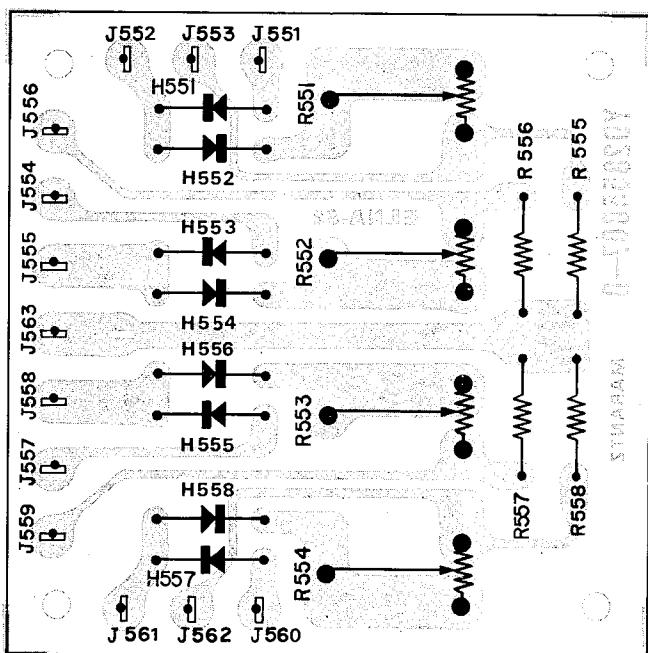
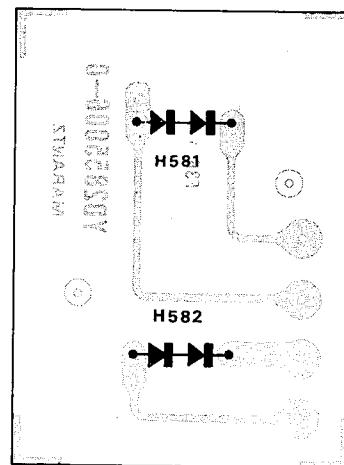


Figure 12. Meter Rectifier Unit Assembly P550 Component Locations

Figure 13. Temperature Compensation Unit Assembly P580 Component Locations



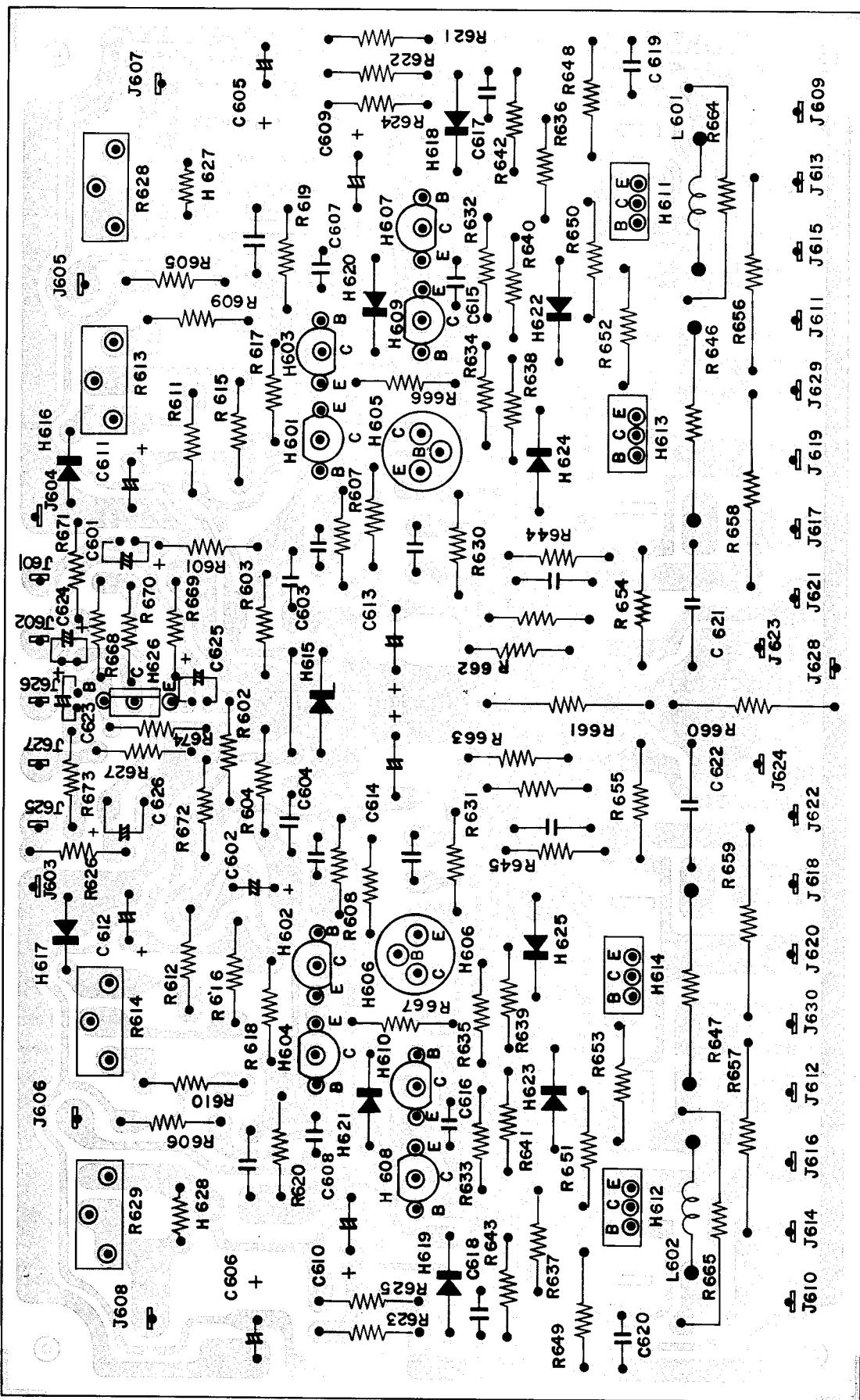


Figure 14. Power Amplifier Assembly P600 Component Locations

Figure 16. Tone Control Unit Assembly P750 Component Locations

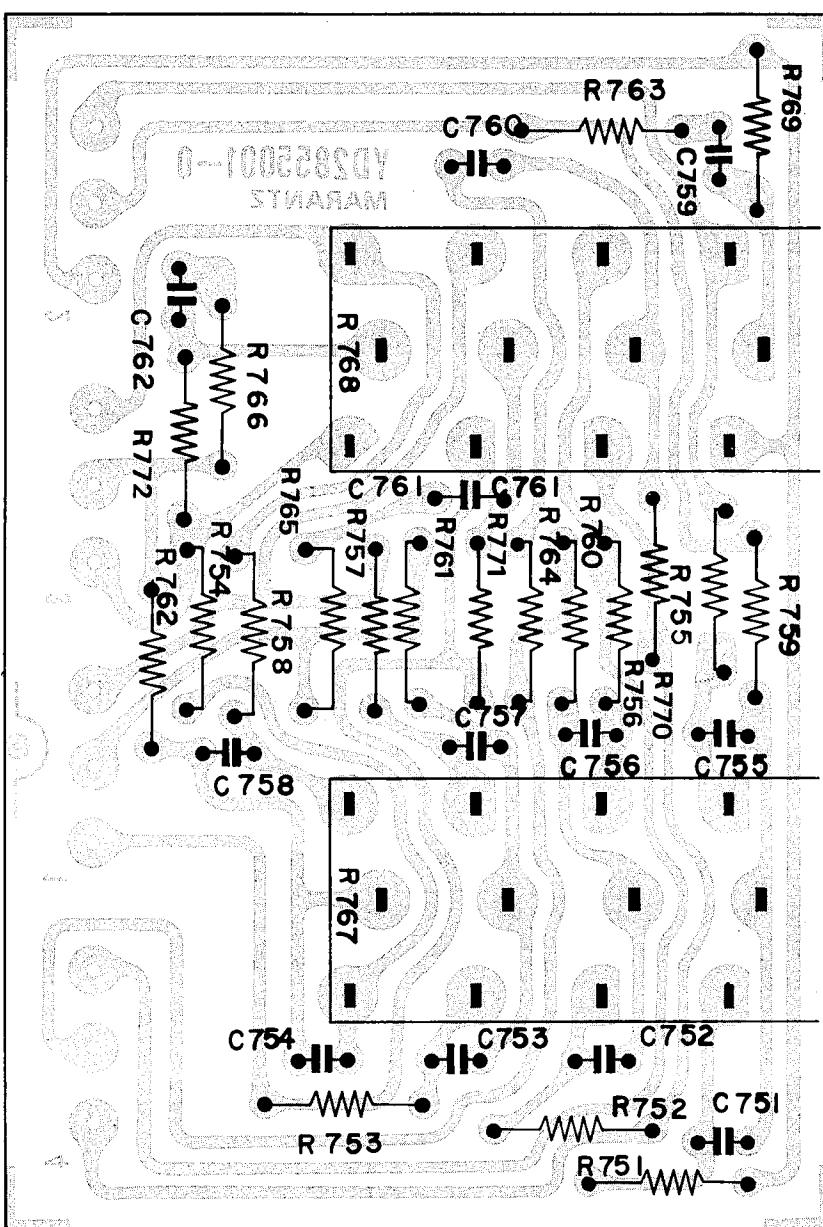


Figure 15. Phono Equalizer Amplifier Assembly P700 Component Locations

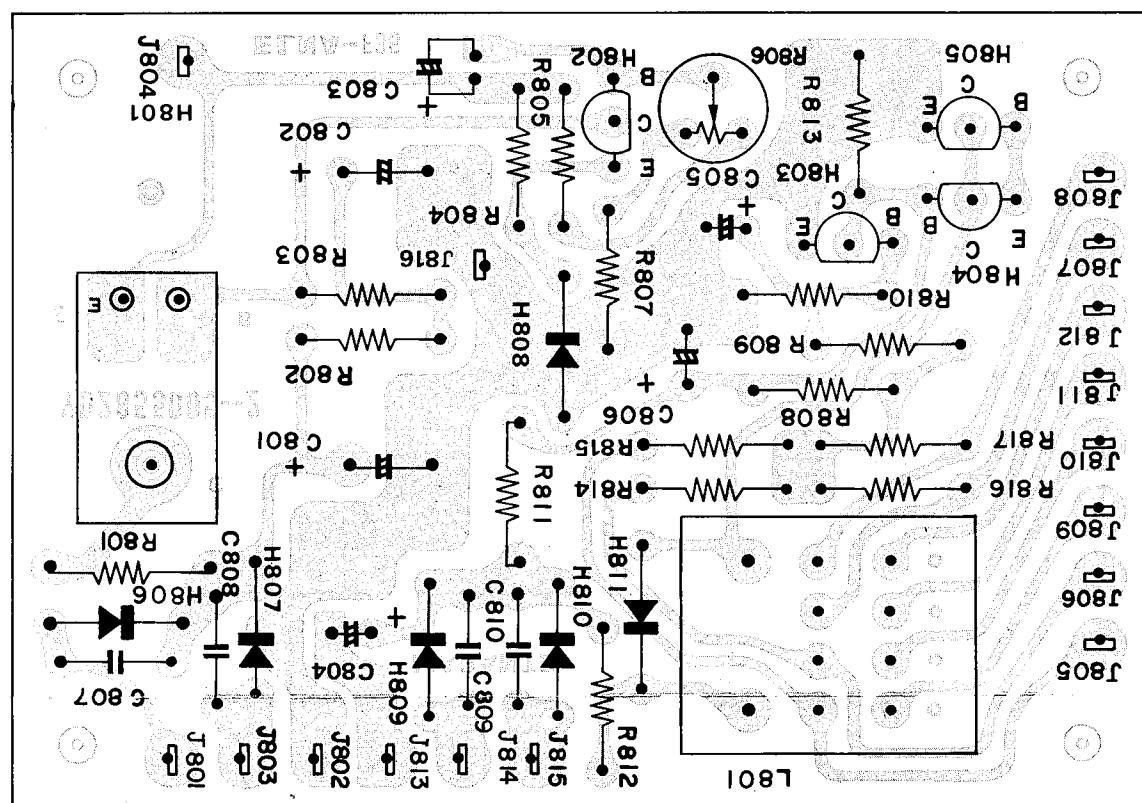
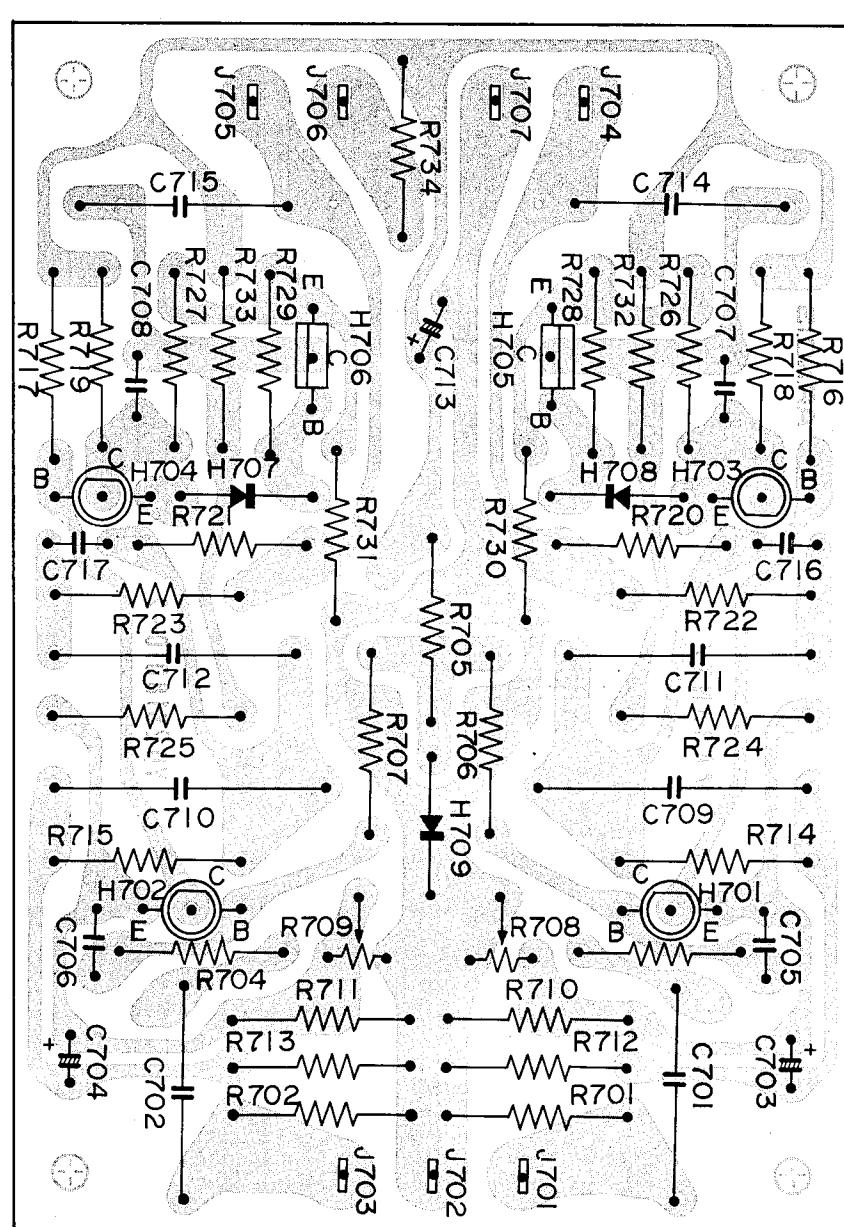


Figure 17. Power Supply Unit Assembly P800 Component Locations

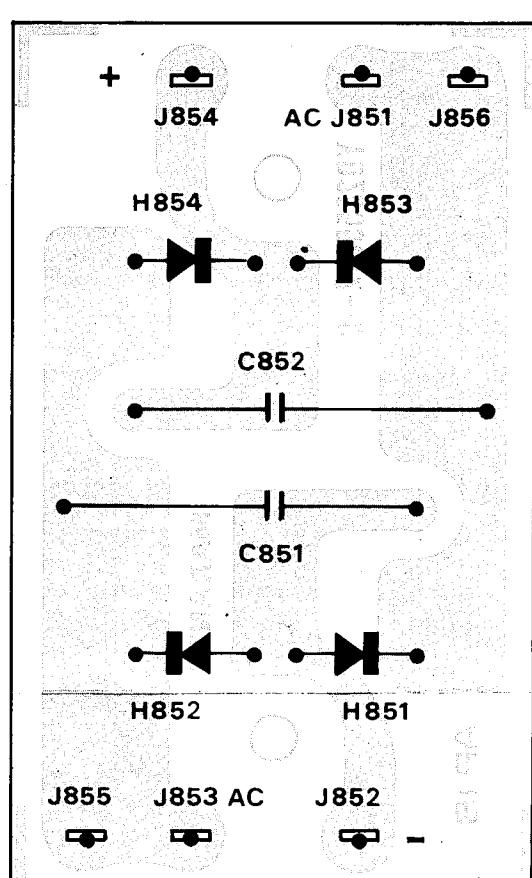


Figure 18. AC Rectifier Assembly P850 Component Locations

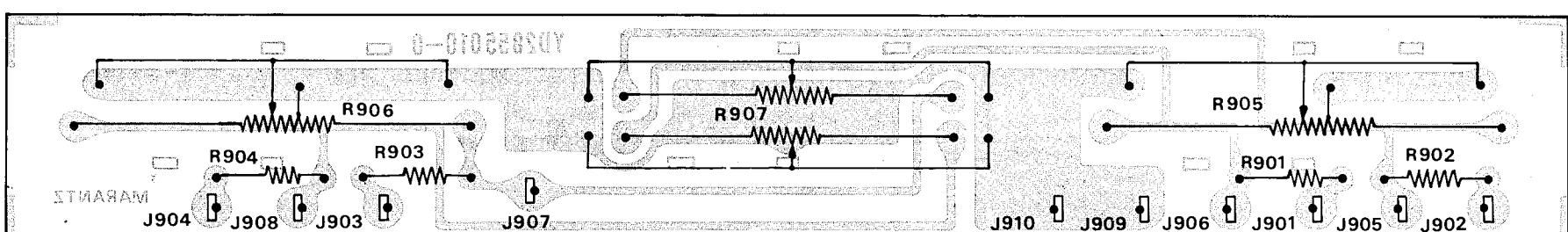
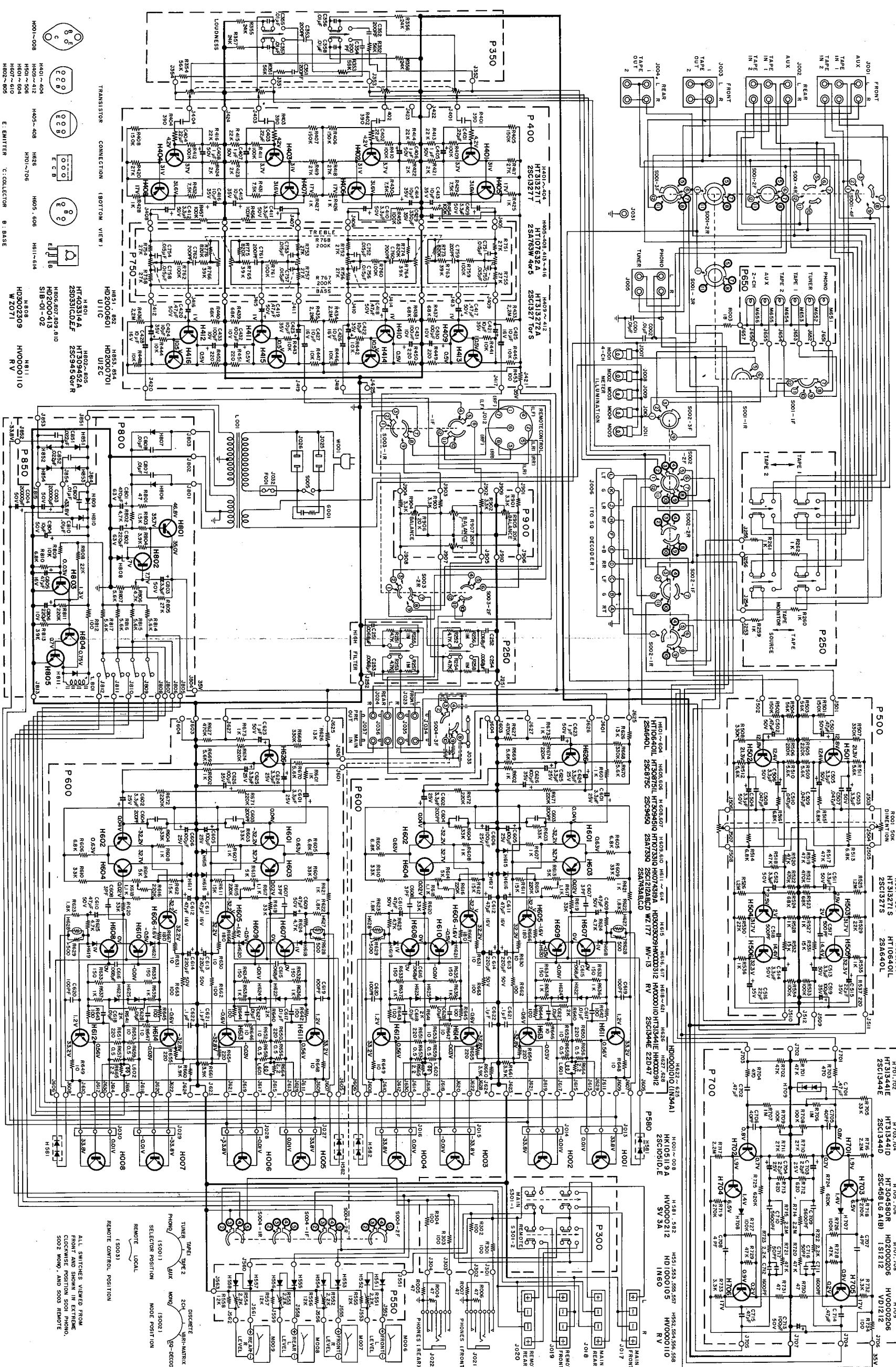


Figure 19. Balance Variable Resistor Unit Assembly P900 Component Locations



PARTS LIST

| REF. DESIG. | MARANTZ PART NO. | DESCRIPTION | | | REF. DESIG. | MARANTZ PART NO. | DESCRIPTION | | |
|----------------|------------------------|--|-------------------|----------------|----------------|---------------------|-------------|----------------|--|
| P700 | YD2818010 ZZ2855110 | P. W. B. P. W. B. Ass'y | Phono Amp. | | J704 | YP1000099 | Plug | | |
| | | RESISTORS (All resistors are $\pm 5\%$ and $\frac{1}{4}W$, unless otherwise indicated.) | | | J705 | YP1000099 | Plug | | |
| R701 | RT0547314 | 47K Ω | | | J706 | YP1000099 | Plug | | |
| R702 | RT0547314 | 47K Ω | | | J707 | YP1000099 | Plug | | |
| R703 | RT0547114 | 470 Ω | | | | | | | |
| R704 | RT0547114 | 470 Ω | | | | | | | |
| R705 | RT0533314 | 33K Ω | | | | | | | |
| R706 | RN1010514 | 1M Ω | $\pm 10\%$ | $\frac{1}{4}W$ | | | | | |
| R707 | RN1010514 | 1M Ω | $\pm 10\%$ | $\frac{1}{4}W$ | | | | | |
| R708 | RA0104012 | Trimming | 100K Ω (B) | | | | | | |
| R709 | RA0104012 | Trimming | 100K Ω (B) | | | | | | |
| R710 | RT0527314 | 27K Ω | | | | | | | |
| R711 | RT0527314 | 27K Ω | | | | | | | |
| R712 | RT0562114 | 620 Ω | | | | | | | |
| R713 | RT0562114 | 620 Ω | | | | | | | |
| R714 | RT0522514 | 2.2M Ω | | | | | | | |
| R715 | RT0522514 | 2.2M Ω | | | | | | | |
| R716 | RN1022514 | 2.2M Ω | $\pm 10\%$ | $\frac{1}{4}W$ | | | | | |
| R717 | RN1022514 | 2.2M Ω | $\pm 10\%$ | $\frac{1}{4}W$ | | | | | |
| R718 | RT0527414 | 270K Ω | | | | | | | |
| R719 | RT0527414 | 270K Ω | | | | | | | |
| R720 | RT0547314 | 47K Ω | | | | | | | |
| R721 | RT0547314 | 47K Ω | | | | | | | |
| R722 | RT0522214 | 2.2K Ω | | | | | | | |
| R723 | RT0522214 | 2.2K Ω | | | | | | | |
| R724 | RN0562414 | 620K Ω | | | | | | | |
| R725 | RN0562414 | 620K Ω | | | | | | | |
| R726 | RT0510414 | 100K Ω | | | | | | | |
| R727 | RT0510414 | 100K Ω | | | | | | | |
| R728 | RT0547314 | 47K Ω | | | | | | | |
| R729 | RT0547314 | 47K Ω | | | | | | | |
| R780 | RT0547014 | 47 Ω | | | | | | | |
| R731 | RT0547014 | 47 Ω | | | | | | | |
| R732 | RT0533214 | 3.3K Ω | | | | | | | |
| R733 | RT0533214 | 3.3K Ω | | | | | | | |
| R734 | RT0510114 | 100 Ω | | | | | | | |
| | | CAPACITORS | | | | | | | |
| C701 | DF1747401 | Film | 0.47 μ F | $\pm 20\%$ | 50V | R521 | RT0547414 | 470K Ω | |
| C702 | DF1747401 | Film | 0.47 μ F | $\pm 20\%$ | 50V | R522 | RT0547414 | 470K Ω | |
| C703 | EE2260251 | Electroly | 22 μ F | $\pm 20\%$ | 25V | R523 | RT0568314 | 68K Ω | |
| C704 | EE2260251 | Electroly | 22 μ F | $\pm 20\%$ | 25V | R524 | RT0568314 | 68K Ω | |
| C705 | DD1540004 | Ceramic | 40PF | $\pm 5\%$ | 50V | R525 | RT0512514 | 1.2 M Ω | |
| C706 | DD1540004 | Ceramic | 40PF | $\pm 5\%$ | 50V | R526 | RT0512514 | 1.2 M Ω | |
| C707 | DD1104001 | Ceramic | 4PF | $\pm 0.5PF$ | 50V | R527 | RT0510214 | 1K Ω | |
| C708 | DD1104001 | Ceramic | 4PF | $\pm 0.5PF$ | 50V | R528 | RT0510214 | 1K Ω | |
| C709 | DF6556201 | Film | 5600PF | $\pm 5\%$ | 50V | R529 | RT0522314 | 22K Ω | |
| C710 | DF6556201 | Film | 5600PF | $\pm 5\%$ | 50V | R530 | RT0522314 | 22K Ω | |
| C711 | DF6516201 | Film | 1600PF | $\pm 5\%$ | 50V | R531 | RT0515314 | 15K Ω | |
| C712 | DF6516201 | Film | 1600PF | $\pm 5\%$ | 50V | R532 | RT0515314 | 15K Ω | |
| C713 | EA1070509 | Electroly | 100 μ F | | 50V | R533 | RT0510414 | 100K Ω | |
| C714 | DF1747401 | Film | 0.47 μ F | $\pm 20\%$ | 50V | R534 | RT0510414 | 100K Ω | |
| C715 | DF1747401 | Film | 0.47 μ F | $\pm 20\%$ | 50V | R535 | RT0510214 | 1K Ω | |
| C716 | DD1650001 | Ceramic | 50PF | $\pm 10\%$ | 50V | R536 | RT0510214 | 1K Ω | |
| C717 | DD1650001 | Ceramic | 50PF | $\pm 10\%$ | 50V | R537 | RT0522114 | 220 Ω | |
| | | MISCELLANEOUS | | | | | | | |
| J701 | YP1000099 | Plug | | | | J501 | YP1000094 | | |
| J702 | YP1000099 | Plug | | | | J502 | YP1000094 | | |
| J703 | YP1000099 | Plug | | | | J503 | YP1000094 | | |
| | | | | | | J504 | YP1000094 | | |

| REF. DESIG. | MARANTZ PART NO. | DESCRIPTION | REF. DESIG. | MARANTZ PART NO. | DESCRIPTION |
|--|------------------------|--|-------------------|---------------------|---------------------------|
| J505 | YP1000094 | Plug | R421 | RT0520214 | 2KΩ |
| J506 | YP1000094 | Plug | R422 | RT0520214 | 2KΩ |
| J507 | YP1000094 | Plug | R423 | RT0520214 | 2KΩ |
| J508 | YP1000094 | Plug | R424 | RT0520214 | 2KΩ |
| J509 | YP1000094 | Plug | R425 | RT0510214 | 1KΩ |
| J510 | YP1000094 | Plug | R426 | RT0510214 | 1KΩ |
| J511 | YP1000094 | Plug | R427 | RT0510214 | 1KΩ |
| J512 | YP1000094 | Plug | R428 | RT0510214 | 1KΩ |
| CAPACITORS | | | R429 | RT0575214 | 7.5KΩ |
| C501 | EE4740501 | Electroly 0.47μF ±20% 50V | R430 | RT0575214 | 7.5KΩ |
| C502 | EE4740501 | Electroly 0.47μF ±20% 50V | R431 | RT0575214 | 7.5KΩ |
| C503 | EE3350501 | Electroly 3.3μF ±20% 50V | R432 | RT0575214 | 7.5KΩ |
| C504 | EE3350501 | Electroly 3.3μF ±20% 50V | R433 | RN1022514 | 2.2MΩ ±10% 1/4W |
| C505 | EE3350501 | Electroly 3.3μF ±20% 50V | R434 | RN1022514 | 2.2MΩ ±10% 1/4W |
| C506 | EE3350501 | Electroly 3.3μF ±20% 50V | R435 | RN1022514 | 2.2MΩ ±10% 1/4W |
| C507 | DF1747305 | Film 0.047μF ±20% 50V | R436 | RN1022514 | 2.2MΩ ±10% 1/4W |
| C508 | DF1747305 | Film 0.047μF ±20% 50V | R437 | RT0568314 | 68KΩ |
| C509 | DF1747305 | Film 0.047μF ±20% 50V | R438 | RT0568314 | 68KΩ |
| C510 | DF1747305 | Film 0.047μF ±20% 50V | R439 | RT0568314 | 68KΩ |
| C511 | EE3350501 | Electrol 3.3μF ±20% 50V | R440 | RT0568314 | 68KΩ |
| C512 | EE3350501 | Electrol 3.3μF ±20% 50V | R441 | RT0510314 | 10KΩ |
| C513 | EE3350501 | Electrol 3.3μF ±20% 50V | R442 | RT0510314 | 10KΩ |
| C514 | EE3350501 | Electrol 3.3μF ±20% 50V | R443 | RT0510314 | 10KΩ |
| C515 | EA2260359 | Electroly 22μF +100% -10% 35V | R444 | RT0510314 | 10KΩ |
| C516 | EA2260359 | Electroly 22μF +100% -10% 35V | R445 | RT0510314 | 10KΩ |
| C517 | DD1650101 | Ceramic 500PF ±10% 50V | R446 | RT0510314 | 10KΩ |
| C518 | DD1650101 | Ceramic 500PF ±10% 50V | R447 | RT0510314 | 10KΩ |
| C519 | EA1070359 | Electroly 100μF +100% -10% 35V | R448 | RT0510314 | 10KΩ |
| SEMICONDUCTORS | | | R449 | RT0522114 | 220Ω |
| H501 | HT313271S | Transistor 2SC1327S | R450 | RT0522114 | 220Ω |
| H502 | HT313271S | Transistor 2SC1327S | R451 | RT0522114 | 220Ω |
| H503 | HT313271S | Transistor 2SC1327S | R452 | RT0522114 | 220Ω |
| H504 | HT313271S | Transistor 2SC1327S | R453 | RT0510114 | 100Ω |
| H505 | HT106401L | Transistor 2SA640L | R454 | RT0510414 | 100KΩ |
| H506 | HT106401L | Transistor 2SA640L | R455 | RT0510414 | 100KΩ |
| P400 | YD2855009 ZZ2855009 | P. W. B. Pre Tone Amp. P. W. B. Ass'y | R456 | RT0510414 | 100KΩ |
| RESISTORS (All resistors are ±5% and 1/4W, unless otherwise indicated.) | | | R457 | RT0510414 | 100KΩ |
| R401 | RT0539114 | 390Ω | CAPACITORS | | |
| R402 | RT0539114 | 390Ω | C401 | DF1622405 | Film 0.22μF ±10% 50V |
| R403 | RT0539114 | 390Ω | C402 | DF1622405 | Film 0.22μF ±10% 50V |
| R404 | RT0539114 | 390Ω | C403 | DF1622405 | Film 0.22μF ±10% 50V |
| R405 | RT0515414 | 150KΩ | C404 | DF1622405 | Film 0.22μF ±10% 50V |
| R406 | RT0515414 | 150KΩ | C405 | EE1050501 | Electroly 1μF ±20% 50V |
| R407 | RT0515414 | 150KΩ | C406 | EE1050501 | Electroly 1μF ±20% 50V |
| R408 | RT0515414 | 150KΩ | C407 | EE1050501 | Electroly 1μF ±20% 50V |
| R409 | RT0510414 | 100KΩ | C408 | EE1050501 | Electroly 1μF ±20% 50V |
| R410 | RT0510414 | 100KΩ | C409 | EE3350501 | Electroly 3.3μF ±20% 50V |
| R411 | RT0510414 | 100KΩ | C410 | EE3350501 | Electroly 3.3μF ±20% 50V |
| R412 | RT0510414 | 100KΩ | C411 | EE3350501 | Electroly 3.3μF ±20% 50V |
| R413 | RT0522314 | 22KΩ | C412 | EE3350501 | Electroly 3.3μF ±20% 50V |
| R414 | RT0522314 | 22KΩ | C413 | EA1060359 | Electroly 10μF 35V |
| R415 | RT0522314 | 22KΩ | C414 | EA1060359 | Electroly 10μF 35V |
| R416 | RT0522314 | 22KΩ | C415 | EA1060359 | Electroly 10μF 35V |
| R417 | RT0527314 | 27KΩ | C416 | EA1060359 | Electroly 10μF 35V |
| R418 | RT0527314 | 27KΩ | C417 | EE4740501 | Electroly 0.47μF ±20% 50V |
| R419 | RT0527314 | 27KΩ | C418 | EE4740501 | Electroly 0.47μF ±20% 50V |
| R420 | RT0527314 | 27KΩ | C419 | EE4740501 | Electroly 0.47μF ±20% 50V |
| | | | C420 | EE4740501 | Electroly 0.47μF ±20% 50V |
| | | | C421 | EE1060351 | Electroly 10μF ±20% 35V |
| | | | C422 | EE1060351 | Electroly 10μF ±20% 35V |
| | | | C423 | EE1060351 | Electroly 10μF ±20% 35V |

| REF. DESIG. | MARANTZ PART NO. | DESCRIPTION | | | | | REF. DESIG. | MARANTZ PART NO. | DESCRIPTION | | | | |
|----------------|------------------------|----------------------------|----------|----------|------|-----|----------------|---------------------|---|----------------|----------|------|----|
| C424 | EE1060351 | Electroly | 10μF | ±20% | 35V | | R554 | RA0202010 | Trimming | 2.2KΩ | ±30% | | |
| C425 | EQ1060161 | Electroly | 10μF | ±30% | 16V | | R555 | RT0512314 | | 12KΩ | | | |
| C426 | EQ1060161 | Electroly | 10μF | ±30% | 16V | | R556 | RT0512314 | | 12KΩ | | | |
| C427 | EQ1060161 | Electroly | 10μF | ±30% | 16V | | R557 | RT0512314 | | 12KΩ | | | |
| C428 | EQ1060161 | Electroly | 10μF | ±30% | 16V | | R558 | RT0512314 | | 12KΩ | | | |
| C429 | EA3370359 | Electroly | 330μF | +50% | -10% | 35V | | | | | | | |
| C430 | EA1070109 | Electroly | 100μF | | | 10V | | | | | | | |
| C431 | EA1070109 | Electroly | 100μF | | | 10V | H551 | HD1000105 | SEMICONDUCTORS | Diode | 1N60 | | |
| C432 | EA1070109 | Electroly | 100μF | | | 10V | H552 | HV0000110 | | Varistor | RV | | |
| C433 | EA1070109 | Electroly | 100μF | | | 10V | H553 | HD1000105 | | Diode | 1N60 | | |
| | | SEMICONDUCTORS | | | | | H554 | HV0000110 | | Varistor | RV | | |
| H401 | HT313271T | Transistor | 2SC1327 | (T) | | | H555 | HD1000105 | | Diode | 1N60 | | |
| H402 | HT313271T | Transistor | 2SC1327 | (T) | | | H556 | HV0000110 | | Varistor | RV | | |
| H403 | HT313271T | Transistor | 2SC1327 | (T) | | | H557 | HD1000105 | | Diode | 1N60 | | |
| H404 | HT313271T | Transistor | 2SC1327 | (T) | | | H558 | HV0000110 | | Varistor | RV | | |
| H405 | HT107632A | Transistor | 2SA763W | 4 or 5 | | | J551 | YP1000099 | MISCELLANEOUS | Plug | | | |
| H406 | HT107632A | Transistor | 2SA763W | 4 or 5 | | | J552 | YP1000099 | | Plug | | | |
| H407 | HT107632A | Transistor | 2SA763W | 4 or 5 | | | J553 | YP1000099 | | Plug | | | |
| H408 | HT107632A | Transistor | 2SA763W | 4 or 5 | | | J554 | YP1000099 | | Plug | | | |
| H409 | HT313272A | Transistor | 2SC1327 | (T or S) | | | J555 | YP1000099 | | Plug | | | |
| H410 | HT313272A | Transistor | 2SC1327 | (T or S) | | | J556 | YP1000099 | | Plug | | | |
| H411 | HT313272A | Transistor | 2SC1327 | (T or S) | | | J557 | YP1000099 | | Plug | | | |
| H412 | HT313272A | Transistor | 2SC1327 | (T or S) | | | J558 | YP1000099 | | Plug | | | |
| H413 | HT107632A | Transistor | 2SA763W | 4 or 5 | | | J559 | YP1000099 | | Plug | | | |
| H414 | HT107632A | Transistor | 2SA763W | 4 or 5 | | | J560 | YP1000099 | | Plug | | | |
| H415 | HT107632A | Transistor | 2SA763W | 4 or 5 | | | J561 | YP1000099 | | Plug | | | |
| H416 | HT107632A | Transistor | 2SA763W | 4 or 5 | | | J562 | YP1000099 | | Plug | | | |
| | | MISCELLANEOUS | | | | | J563 | YP1000099 | | Plug | | | |
| J401 | YP1000094 | Plug | | | | | 0814 | 281910101 | RESISTORS (All resistors are ±5% | Support | x2 | | |
| J402 | YP1000094 | Plug | | | | | 0826 | 51100306S | and 1/4W, unless | B. H. M. Screw | x10 | | |
| J403 | YP1000094 | Plug | | | | | 0827 | 51100306S | otherwise indicated.) | B. H. M. Screw | x 4 | | |
| J404 | YP1000094 | Plug | | | | | P600 | YD2855004 | P. W. B. | Main Amp. | x2 | | |
| J405 | YP1000094 | Plug | | | | | | ZZ2855004 | P. W. B. Ass'y | | | | |
| J406 | YP1000094 | Plug | | | | | | | | | | | |
| J407 | YP1000094 | Plug | | | | | | | | | | | |
| J408 | YP1000094 | Plug | | | | | | | | | | | |
| J409 | YP1000094 | Plug | | | | | | | | | | | |
| J410 | YP1000094 | Plug | | | | | | | | | | | |
| J411 | YP1000094 | Plug | | | | | R601 | RT0510214 | 1KΩ x 2 | | | | |
| J412 | YP1000094 | Plug | | | | | R602 | RT0510214 | 1KΩ x 2 | | | | |
| J413 | YP1000094 | Plug | | | | | R603 | RT0533314 | 33KΩ x 2 | | | | |
| J414 | YP1000094 | Plug | | | | | R604 | RT0533314 | 33KΩ x 2 | | | | |
| J415 | YP1000094 | Plug | | | | | R605 | RT0568214 | 6.8KΩ x 2 | | | | |
| J416 | YP1000094 | Plug | | | | | R606 | RT0568214 | 6.8KΩ x 2 | | | | |
| J417 | YP1000094 | Plug | | | | | R607 | RT0510214 | 1KΩ x 2 | | | | |
| J418 | YP1000094 | Plug | | | | | R608 | RT0510214 | 1KΩ x 2 | | | | |
| J419 | YP1000094 | Plug | | | | | R609 | RT0533314 | 33KΩ x 2 | | | | |
| J420 | YP1000094 | Plug | | | | | R610 | RT0533314 | 33KΩ x 2 | | | | |
| J421 | YP1000094 | Plug | | | | | R611 | RT0515314 | 15KΩ x 2 | | | | |
| J422 | YP1000094 | Plug | | | | | R612 | RT0515314 | 15KΩ x 2 | | | | |
| J423 | YP1000094 | Plug | | | | | R613 | RA0502017 | Trimming | 5KΩ | ±10% x 2 | | |
| J424 | YP1000094 | Plug | | | | | R614 | RA0502017 | Trimming | 5KΩ | ±10% x 2 | | |
| J425 | YP1000094 | Plug | | | | | R615 | RT0522414 | | 220KΩ | x 2 | | |
| P550 | YD2855007 ZZ2855007 | P. W. B. P. W. B. Ass'y | Meter | | | | R616 | RT0522414 | | 220KΩ | x 2 | | |
| | | | | | | | R617 | RT0511214 | | 1KΩ | x 2 | | |
| | | | | | | | R618 | RT0511214 | | 1KΩ | x 2 | | |
| | | | | | | | R619 | RT0533314 | | 33KΩ | x 2 | | |
| | | | | | | | R620 | RT0533314 | | 33KΩ | x 2 | | |
| R551 | RA0202010 | RESISTORS | Trimming | 2.2KΩ | ±30% | | R621 | RC1010212 | | 1KΩ | ±10% | 1/4W | x2 |
| R552 | RA0202010 | | Trimming | 2.2KΩ | ±30% | | R622 | RC1018212 | | 1.8KΩ | ±10% | 1/4W | x2 |
| R553 | RA0202010 | | Trimming | 2.2KΩ | ±30% | | R623 | RC1018212 | | 1.8KΩ | ±10% | 1/4W | x2 |

| REF. DESIG. | MARANTZ PART NO. | DESCRIPTION | | | | REF. DESIG. | MARANTZ PART NO. | DESCRIPTION | | | |
|----------------|---------------------|-------------|--------------|------|-----|-------------------|---------------------|-----------------------|---------------|--------|-----|
| R624 | RC1047212 | 4.7KΩ | ±10% | ½W | x 2 | C610 | EA4760509 | Electroly | 47µF | 50V | x 2 |
| R625 | RC1047212 | 4.7KΩ | ±10% | ½W | x 2 | C611 | EE4760162 | Electroly | 47µF | 16V | x 2 |
| R626 | RT0513314 | 13KΩ x 2 | | | | C612 | EE4760162 | Electroly | 47µF | 16V | x 2 |
| R627 | RT0547414 | 470KΩ x 2 | | | | C613 | EA2270509 | Electroly | 220µF | 50V | x 2 |
| R628 | RA0501010 | Trimming | 500Ω ± 10% | x 2 | | C614 | EA2270509 | Electroly | 220µF | 50V | x 2 |
| R629 | RA0501010 | Trimming | 500Ω ± 10% | x 2 | | C615 | DF1768301 | Film | 0.068µF ± 20% | | x 2 |
| R630 | RC1010012 | 10Ω ± 10% | ½W | x 2 | | C616 | DF1768301 | Film | 0.068µF ± 20% | | x 2 |
| R631 | RC1010012 | 10Ω ± 10% | ½W | x 2 | | C617 | DF1710301 | Film | 0.01µF ± 20% | | x 2 |
| R632 | GF0515114 | 150Ω x 2 | | | | C618 | DF1710301 | Film | 0.01µF ± 20% | | x 2 |
| R633 | GF0515114 | 150Ω x 2 | | | | C619 | DK1610150 | Ceramic | 100PF ± 10% | | x 2 |
| R634 | GF0515114 | 150Ω x 2 | | | | C620 | DK1610150 | Ceramic | 100PF ± 10% | | x 2 |
| R635 | GF0515114 | 150Ω x 2 | | | | C621 | DF1710452 | Film | 0.1µF | 200V | x 2 |
| R636 | GF0510214 | 1KΩ x 2 | | | | C622 | DF1710452 | Film | 0.1µF | 200V | x 2 |
| R637 | GF0510214 | 1KΩ x 2 | | | | C623 | EE1050501 | Electroly | 1µF ± 20% | 50V | x 2 |
| R638 | GF0510214 | 1KΩ x 2 | | | | C624 | EE3350251 | Electroly | 3.3µF ± 20% | 25V | x 2 |
| R639 | GF0510214 | 1KΩ x 2 | | | | C625 | EE3350251 | Electroly | 3.3µF ± 20% | 25V | x 2 |
| R640 | RT0520214 | 2KΩ x 2 | | | | C626 | EA1070359 | Electroly | 100µF | 35V | x 2 |
| R641 | RT0520214 | 2KΩ x 2 | | | | C627 | DF1710301 | Film | 0.01µF ± 20% | x 2 | |
| R642 | GF0510114 | 100Ω x 2 | | | | C628 | DF1710301 | Film | 0.01µF ± 20% | x 2 | |
| R643 | GF0510114 | 100Ω x 2 | | | | L601 | LL2380612 | COILS | | | |
| R644 | GF0510114 | 100Ω x 2 | | | | L602 | LL2380612 | Choke | x 2 | | |
| R645 | GF0510114 | 100Ω x 2 | | | | H601 | HT106401L | SEMICONDUCTORS | | | |
| R646 | GT0510002 | 10Ω | ±5% | 2W | x 2 | H602 | HT106401L | Transistor | 2SA640 | L | x 2 |
| R647 | GT0510002 | 10Ω | ±5% | 2W | x 2 | H603 | HT106401L | Transistor | 2SA640 | L | x 2 |
| R648 | GF0510012 | 10Ω | ±5% | ½W | x 2 | H604 | HT106401L | Transistor | 2SA640 | L | x 2 |
| R649 | GF0510012 | 10Ω | ±5% | ½W | x 2 | H605 | HT308751L | Transistor | 2SC875 | C | x 2 |
| R650 | GF0522112 | 220Ω | ±5% | ½W | x 2 | H606 | HT308751L | Transistor | 2SC875 | C | x 2 |
| R651 | GF0522112 | 220Ω | ±5% | ½W | x 2 | H607 | HT309451Q | Transistor | 2SC945 | Q | x 2 |
| R652 | GF0510012 | 10Ω | ±5% | ½W | x 2 | H608 | HT309451Q | Transistor | 2SC945 | Q | x 2 |
| R653 | GF0510012 | 10Ω | ±5% | ½W | x 2 | H609 | HT107331Q | Transistor | 2SA733 | Q | x 2 |
| R654 | GF0522112 | 220Ω | ±5% | ½W | x 2 | H610 | HT107331Q | Transistor | 2SA733 | Q | x 2 |
| R655 | GF0522112 | 220Ω | ±5% | ½W | x 2 | H611 | HT107431C | Transistor | 2SA743C | | x 2 |
| R656 | RW1000503 | 0.5Ω | ±10% | 3W | x 2 | H612 | HT107431C | Transistor | 2SA743C | | x 2 |
| R657 | RW1000503 | 0.5Ω | ±10% | 3W | x 2 | H613 | HT312121C | Transistor | 2SC1212C | | x 2 |
| R658 | RW1000503 | 0.5Ω | ±10% | 3W | x 2 | H614 | HT312121C | Transistor | 2SC1212C | | x 2 |
| R659 | RW1000503 | 0.5Ω | ±10% | 3W | x 2 | H615 | HD3003009 | Diode | Zenner | WZ-177 | x 2 |
| R660 | RC1039212 | 3.9KΩ | ±10% | ½W | x 2 | H616 | HV0000312 | Varistor | MV-13 | | x 2 |
| R661 | RC1039212 | 3.9KΩ | ±10% | ½W | x 2 | H617 | HV0000312 | Varistor | MV-13 | | x 2 |
| R662 | RC1010112 | 100Ω | ±10% | ½W | x 2 | H618 | HV0000110 | Varistor | RV | | x 2 |
| R663 | RC1010112 | 100Ω | ±10% | ½W | x 2 | H619 | HV0000110 | Varistor | RV | | x 2 |
| R664 | RC1002212 | 2.2Ω | ±10% | ½W | x 2 | H620 | HV0000110 | Varistor | RV | | x 2 |
| R665 | RC1002212 | 2.2Ω | ±10% | ½W | x 2 | H621 | HV0000110 | Varistor | RV | | x 2 |
| R666 | RT0518114 | 180Ω | x 2 | | | H622 | HD1000101 | Diode | 1N34A | | x 2 |
| R667 | RT0518114 | 180Ω | x 2 | | | H623 | HD1000101 | Diode | 1N34A | | x 2 |
| R668 | RT0533414 | 330KΩ | x 2 | | | H624 | HD1000101 | Diode | 1N34A | | x 2 |
| R669 | RT0556214 | 5.6KΩ | x 2 | | | H625 | HD1000101 | Diode | 1N34A | | x 2 |
| R670 | RT0556214 | 5.6KΩ | x 2 | | | H626 | HT313441E | Transistor | 2SC1344E | | x 2 |
| R671 | RT0522414 | 220KΩ | x 2 | | | H627 | HH0000912 | Thermistor | 22D47(200Ω) | | x 2 |
| R672 | RT0522414 | 220KΩ | x 2 | | | H628 | HH0000912 | Thermistor | 22D47(200Ω) | | x 2 |
| R673 | RT0510214 | 1KΩ | x 2 | | | CAPACITORS | | | | | |
| R674 | RT0522414 | 220KΩ | x 2 | | | J601 | YP1000099 | MISCELLANEOUS | | | |
| C601 | EE3350251 | Electroly | 3.3µF ± 20% | 25V | x 2 | J602 | YP1000099 | Plug | x 2 | | |
| C602 | EE3350251 | Electroly | 3.3µF ± 20% | 25V | x 2 | J603 | YP1000099 | Plug | x 2 | | |
| C603 | DD1620101 | Ceramic | 200PF ± 10% | x 2 | | J604 | YP1000099 | Plug | x 2 | | |
| C604 | DD1620101 | Ceramic | 200PF ± 10% | x 2 | | J605 | YP1000099 | Plug | x 2 | | |
| C605 | EA1070259 | Electroly | 100µF | 25V | x 2 | J606 | YP1000099 | Plug | x 2 | | |
| C606 | EA1070259 | Electroly | 100µF | 25V | x 2 | J607 | YP1000099 | Plug | x 2 | | |
| C607 | DD1003050 | Ceramic | 3PF ± 0.25PF | 500V | x 2 | J608 | YP1000099 | Plug | x 2 | | |
| C608 | DD1003050 | Ceramic | 3PF ± 0.25PF | 500V | x 2 | J609 | YP1000099 | Plug | x 2 | | |
| C609 | EA4760509 | Electroly | 47µF | 50V | x 2 | J610 | YP1000099 | Plug | x 2 | | |

| REF. DESIG. | MARANTZ PART NO. | DESCRIPTION | REF. DESIG. | MARANTZ PART NO. | DESCRIPTION |
|----------------|------------------------|---|----------------|------------------------|---|
| J611 | YP1000099 | Plug x2 | H851 | HD2000601 | Diode U11C |
| J612 | YP1000099 | Plug x2 | H852 | HD2000601 | Diode U11C |
| J613 | YP1000099 | Plug x2 | H853 | HD2000701 | Diode U12C |
| J614 | YP1000099 | Plug x2 | H854 | HD2000701 | Diode U12C |
| J615 | YP1000099 | Plug x2 | J851 | YP1000099 | Plug |
| J616 | YP1000099 | Plug x2 | J852 | YP1000099 | Plug |
| J617 | YP1000099 | Plug x2 | J853 | YP1000099 | Plug |
| J618 | YP1000099 | Plug x2 | J854 | YP1000099 | Plug |
| J619 | YP1000099 | Plug x2 | J855 | YP1000099 | Plug |
| J620 | YP1000099 | Plug x2 | J856 | YP1000099 | Plug |
| J621 | YP1000099 | Plug x2 | P800 | YD2855005 ZZ2855005 | P. W. B. Power Supply P. W. B. Ass'y |
| J622 | YP1000099 | Plug x2 | R801 | GF0547012 | RESISTORS |
| J623 | YP1000099 | Plug x2 | R802 | RT0547214 | 47Ω ± 5% ½W |
| J624 | YP1000099 | Plug x2 | R803 | RT0515214 | 4.7KΩ ± 5% ¼W |
| J625 | YP1000099 | Plug x2 | R804 | RC1039212 | 1.5KΩ ± 5% ¼W |
| J626 | YP1000099 | Plug x2 | R805 | RT0527314 | 3.9KΩ ± 10% ½W |
| J627 | YP1000099 | Plug x2 | R806 | RA0502013 | 27KΩ ± 5% ¼W |
| J628 | YP1000099 | Plug x2 | R807 | RT0556214 | Trimming 4.7KΩ B |
| J629 | YP1000099 | Plug x2 | R808 | RT0522314 | 5.6KΩ ± 5% ¼W |
| J630 | YP1000099 | Plug x2 | R809 | RT0510314 | 22KΩ ± 5% ¼W |
| 0810 | 285526702 | Heat-Sink x4 | R810 | RT0568214 | 10KΩ ± 5% ¼W |
| 0812 | 281811806 | Spacer x4 | R811 | RT0522414 | 6.8KΩ ± 5% ¼W |
| 0831 | 54022601E | Flat Washer x8 | R812 | RC1010112 | CAPACITORS AND RELAY |
| 0832 | 51102606E | B. H. M. Screw x8 | R813 | RC1010112 | 100Ω ± 10% ½W |
| P580 | YD2855006 ZZ2855006 | P. W. B. Temp. Comp. x2 P. W. B. Ass'y | R814 | RT0539314 | 39KΩ ± 10% ¼W |
| H581 | HV0000212 | MISCELLANEOUS | R815 | RC1056212 | 5.6KΩ ± 10% ½W |
| H582 | HV0000212 | Varistor SV-3A x2 | R816 | RC1056212 | 5.6KΩ ± 10% ½W |
| | | Varistor SV-3A x2 | R817 | RC1056212 | 5.6KΩ ± 10% ½W |
| 0818 | 285505601 | Buffer x2 | C801 | EA4770631 | Ceramic 0.01μF +100% -0% 500V |
| 0804 | 285526701 | Heat-Sink x2 | C802 | EA2270631 | Ceramic 0.01μF +100% -0% 500V |
| 0806 | 281810104 | Support x8 | C803 | EA3350509 | Ceramic 0.01μF +100% -0% 500V |
| 0808 | 281816007 | Bracket x4 | C804 | EA1060509 | Ceramic 0.01μF +100% -0% 500V |
| 0816 | 285510101 | Support x4 | C805 | EA4760169 | Ceramic 0.01μF +100% -0% 500V |
| 0833 | 51100314E | B. H. M. Screw x12 | C806 | EA2270109 | Ceramic 0.01μF +100% -0% 500V |
| 0828 | 51570306B | P. H. Tapt Screw x12 | C807 | DK1810351 | Ceramic 0.01μF +100% -0% 500V |
| H001 | HT310151D | Transistor 2SC1051 D | C808 | DK1810351 | Ceramic 0.01μF +100% -0% 500V |
| H002 | HT310151D | Transistor 2SC1051 D | C809 | DK1810351 | Ceramic 0.01μF +100% -0% 500V |
| H003 | HT310151D | Transistor 2SC1051 D | C810 | DK1810351 | Ceramic 0.01μF +100% -0% 500V |
| H004 | HT310151D | Transistor 2SC1051 D | L801 | LY4024003 | SEMICONDUCTORS |
| H005 | HT310151D | Transistor 2SC1051 D | | | Transistor 2SD331C. D. E. F |
| H006 | HT310151D | Transistor 2SC1051 D | | | Transistor 2SC945Q or R |
| H007 | HT310151D | Transistor 2SC1051 D | | | Transistor 2SC945Q or R |
| H008 | HT310151D | Transistor 2SC1051 D | | | Transistor 2SC945Q or R |
| J013 | YJ0500019 | Socket | H801 | HT403314A | Diode SIB-01-02 |
| J014 | YJ0500019 | Socket | H802 | HT309452A | Diode SIB-01-02 |
| J015 | YJ0500019 | Socket | H803 | HT309452A | Diode SIB-01-02 |
| J016 | YJ0500019 | Socket | H804 | HT309452A | Diode SIB-01-02 |
| J027 | YJ0500019 | Socket | H805 | HT309452A | Diode SIB-01-02 |
| J028 | YJ0500019 | Socket | H806 | HD2000413 | Diode WZ-071 |
| J029 | YJ0500019 | Socket | H807 | HD2000413 | Diode SIB-01-02 |
| J030 | YJ0500019 | Socket | H808 | HD3002309 | Diode SIB-01-02 |
| | | | H809 | HD2000413 | Diode SIB-01-02 |
| | | | H810 | HD2000413 | Diode SIB-01-02 |
| P850 | YD2855012 ZZ2855012 | P. W. B. Rectifier P. W. B. Ass'y | H811 | HV0000110 | Varistor RV |
| C851 | DF2722350 | MISCELLANEOUS | J801 | YP1000099 | MISCELLANEOUS |
| C852 | DF2722350 | Capacitor Film 0.022μF ±20% 400V | J802 | YP1000099 | Plug |
| | | Capacitor Film 0.022μF ±20% 400V | J803 | YP1000099 | Plug |

| REF. DESIG. | MARANTZ PART NO. | DESCRIPTION | | | REF. DESIG. | MARANTZ PART NO. | DESCRIPTION | | |
|----------------|---------------------|---------------------|-------|-----|----------------|---------------------|-----------------------------|-----------|------|
| J804 | YP1000099 | Plug | | | J351 | YP1000099 | MISCELLANEOUS | | |
| J805 | YP1000099 | Plug | | | J352 | YP1000099 | Plug | | |
| J806 | YP1000099 | Plug | | | J353 | YP1000099 | Plug | | |
| J807 | YP1000099 | Plug | | | J354 | YP1000099 | Plug | | |
| J808 | YP1000099 | Plug | | | J355 | YP1000099 | Plug | | |
| J809 | YP1000099 | Plug | | | P300 | YD2855003 | P. W. B. SP, Mode | | |
| J810 | YP1000099 | Plug | | | | ZZ2855003 | P. W. B. Ass'y | | |
| J811 | YP1000099 | Plug | | | R301 | RJ1010102 | RESISTORS | | |
| J812 | YP1000099 | Plug | | | R302 | RJ1010102 | 100Ω ± 10% | 2W | |
| J813 | YP1000099 | Plug | | | R303 | RJ1010102 | 100Ω ± 10% | 2W | |
| J814 | YP1000099 | Plug | | | R304 | RJ1010102 | 100Ω ± 10% | 2W | |
| J815 | YP1000099 | Plug | | | S301 | SP0403006 | MISCELLANEOUS | | |
| 0925 | 273026702 | Heat-Sink | | | J301 | YP1000099 | Push Switch | | |
| 1111 | 51060308E | P. H. M. Screw | x2 | | J302 | YP1000099 | Plug | | |
| 1112 | 53110303E | Hexagon Nut | | | J303 | YP1000099 | Plug | | |
| 1113 | 54040302N | Spring Washer | | | J304 | YP1000099 | Plug | | |
| 2837 | 62031650W | Lug | | | P650 | YD2855008 | P. W. B. Function Indicator | | |
| 2836 | 62031650W | Lug | | | | ZZ2855008 | P. W. B. Ass'y | | |
| C007 | EA1070509 | Capacitor Electroly | 100μF | 50V | M651 | IN1006301 | MISCELLANEOUS | | |
| 0403 | 285516050 | Bracket K | | | M652 | IN1006301 | Lamp | 6.3V | 40mA |
| 0408 | 281816003 | Bracket | | | M653 | IN1006301 | Lamp | 6.3V | 40mA |
| 0409 | 281816004 | Bracket | | | M654 | IN1006301 | Lamp | 6.3V | 40mA |
| 0419 | 285527401 | Reflector | | | M655 | IN1006301 | Lamp | 6.3V | 40mA |
| 0420 | 285510102 | Support | x 2 | | M656 | IN1006301 | Lamp | 6.3V | 40mA |
| 0503 | 51100306A | B. H. M. Screw | x 6 | | J651 | YP1000094 | RESISTORS | | |
| 0505 | 51102605A | B. H. M. Screw | x 6 | | J652 | YP1000094 | Plug | | |
| 0507 | 51570306B | P. H. Tapt Screw | x 8 | | J653 | YP1000094 | Plug | | |
| 0508 | 54050300R | T. L. Washer OR | x 8 | | J654 | YP1000094 | Plug | | |
| 0515 | 51570306B | P. H. Tapt Screw | x 2 | | J655 | YP1000094 | Plug | | |
| 0521 | 51042605A | F. H. M. Screw | x 2 | | J656 | YP1000094 | Plug | | |
| 0522 | 51102605A | B. H. M. Screw | x 2 | | J657 | YP1000094 | Plug | | |
| 0523 | 54042602N | Spring Washer | x 2 | | R003 | RC1018012 | Resistor | 18Ω ± 10% | 1/2W |
| 0525 | 51100406A | B. H. M. Screw | x 4 | | P750 | YD2855001 | P. W. B. Tone Control | | |
| 0528 | 51100306A | B. H. M. Screw | x 2 | | | ZZ2855001 | P. W. B. Ass'y | | |
| 0432 | 288310701 | Sheet | x 2 | | R751 | RT0527314 | RESISTORS | | |
| 0426 | 287105302 | Sheet | x 4 | | R752 | RT0527314 | 27KΩ ± 5% | 1/2W | |
| P350 | YD2855011 | P. W. B. Loudness | | | R753 | RT0527314 | 27KΩ ± 5% | 1/2W | |
| | ZZ2855011 | P. W. B. Ass'y | | | R754 | RT0527314 | 27KΩ ± 5% | 1/2W | |
| | | RESISTORS | | | R755 | RT0527314 | 27KΩ ± 5% | 1/2W | |
| R351 | RT0556314 | 56KΩ ± 5% 1/4W | | | R756 | RT0527314 | 27KΩ ± 5% | 1/2W | |
| R352 | RT0556314 | 56KΩ ± 5% 1/4W | | | R757 | RT0527314 | 27KΩ ± 5% | 1/2W | |
| R353 | RT0556314 | 56KΩ ± 5% 1/4W | | | R758 | RT0527314 | 27KΩ ± 5% | 1/2W | |
| R354 | RT0556314 | 56KΩ ± 5% 1/4W | | | R759 | RT0510414 | 100KΩ ± 5% | 1/2W | |
| R355 | RT0524314 | 24KΩ ± 5% 1/4W | | | R760 | RT0510414 | 100KΩ ± 5% | 1/2W | |
| R356 | RT0524314 | 24KΩ ± 5% 1/4W | | | R761 | RT0510414 | 100KΩ ± 5% | 1/2W | |
| R357 | RT0524314 | 24KΩ ± 5% 1/4W | | | R762 | RT0510414 | 100KΩ ± 5% | 1/2W | |
| R358 | RT0524314 | 24KΩ ± 5% 1/4W | | | R763 | RT0539314 | 39KΩ ± 5% | 1/2W | |
| | | CAPACITORS | | | R764 | RT0539314 | 39KΩ ± 5% | 1/2W | |
| C351 | DD1620101 | Ceramic 200PF ± 10% | | | R765 | RT0539314 | 39KΩ ± 5% | 1/2W | |
| C352 | DD1620101 | Ceramic 200PF ± 10% | | | R766 | RT0539314 | 39KΩ ± 5% | 1/2W | |
| C353 | DD1620101 | Ceramic 200PF ± 10% | | | R767 | RU0204001 | Variable 200KΩ (B) | | |
| C354 | DD1620101 | Ceramic 200PF ± 10% | | | | | | | |
| C355 | DF1610301 | Film 0.01μF ± 10% | | | | | | | |
| C356 | DF1610301 | Film 0.01μF ± 10% | | | | | | | |
| C357 | DF1610301 | Film 0.01μF ± 10% | | | | | | | |
| C358 | DF1610301 | Film 0.01μF ± 10% | | | | | | | |

| REF. DEISG. | MARANTZ PART NO. | DESCRIPTION | | | REF. DESIG. | MARANTZ PART NO. | DESCRIPTION | | |
|----------------|---------------------|----------------------|-------------------------|-------|----------------|---------------------|----------------------|------------------------------------|-------------|
| R768 | RU0204001 | Variable | 200KΩ (B) | | C254 | DF1668201 | Film | 0.0068μF ±10% | |
| R773 | GC1082418 | 820KΩ ± 10% | | 1/8W | J251 | YP1000099 | MISCELLANEOUS | | |
| R774 | GC1082418 | 820KΩ ± 10% | | 1/8W | J252 | YP1000099 | Plug | | |
| R775 | GC1082418 | 820KΩ ± 10% | | 1/8W | J253 | YP1000099 | Plug | | |
| R776 | GC1082418 | 820KΩ ± 10% | | 1/8W | J254 | YP1000099 | Plug | | |
| | | CAPACITORS | | | J255 | YP1000099 | Plug | | |
| C751 | DF1615301 | Film | 0.015μF | ±10% | 50V | J256 | YP1000099 | Plug | |
| C752 | DF1615301 | Film | 0.015μF | ±10% | 50V | S251 | SP0403006 | Push Switch | |
| C753 | DF1615301 | Film | 0.015μF | ±10% | 50V | S005 | SP0201010 | Push Switch | Power |
| C754 | DF1615301 | Film | 0.015μF | ±10% | 50V | G001 | BF1040001 | Printed Compo. | 120Ω +0.1μF |
| C755 | DF1615301 | Film | 0.015μF | ±10% | 50V | R002 | RG0204001 | Resistor Variable 200KΩ B | Volume |
| C756 | DF1615301 | Film | 0.015μF | ±10% | 50V | R001 | RM0503050 | Resistor Variable 50KΩ B Dimension | |
| C757 | DF1615301 | Film | 0.015μF | ±10% | 50V | S003 | SR0802002 | Rotary Switch | |
| C758 | DF1615301 | Film | 0.015μF | ±10% | 50V | S002 | SR0905002 | Rotary Switch | Remocon |
| C759 | DD1520101 | Ceramic | 200PF | ±5% | 50V | | | | Mode |
| C760 | DD1520101 | Ceramic | 200PF | ±5% | 50V | 4536 | 138200503 | Clamper | |
| C761 | DD1520101 | Ceramic | 200PF | ±5% | 50V | S001 | SR1205001 | Rotary Switch | Selector |
| C762 | DD1520101 | Ceramic | 200PF | ±5% | 50V | 4736 | 138200503 | Clamper x2 | |
| P900 | YD2855010 | P. W. B. | Balance Control | | J021 | YJ0100055 | Jack | Headphone (Front) | |
| | ZZ2855010 | P. W. B. Ass'y | | | R006 | RJ1047001 | Resistor | 47Ω | ±10% 1W |
| | | RESISTORS | | | R007 | RJ1047001 | Resistor | 47Ω | ±10% 1W |
| R901 | RT0533214 | 3.3KΩ ± 5% | | 1/4W | J022 | YJ0100055 | Jack | Headphone (Rear) | |
| R902 | RT0533214 | 3.3KΩ ± 5% | | 1/4W | R004 | RJ1047001 | Resistor | 47Ω | ±10% 1W |
| R903 | RT0533214 | 3.3KΩ ± 5% | | 1/4W | R005 | RJ1047001 | Resistor | 47Ω | ±10% 1W |
| R904 | RT0533214 | 3.3KΩ ± 5% | | 1/4W | J008 | YJ0800019 | Jack | Lamp Socket | |
| R905 | RX0203012 | Variable | 20KΩ G | | J009 | YJ0800019 | Jack | Lamp Socket | |
| R906 | RX0203012 | Variable | 20KΩ G | | J010 | YJ0800019 | Jack | Lamp Socket | |
| R907 | RS0203004 | Variable | 20KΩ G | | J011 | YJ0800019 | Jack | Lamp Socket | |
| | | MISCELLANEOUS | | | 0411 | 285427401 | Reflector | x4 | |
| J901 | YP1000099 | Plug | | | 0412 | 285427101 | Holder | x4 | |
| J902 | YP1000099 | Plug | | | 0510 | 51100306A | B. H. M Screw | x4 | |
| J903 | YP1000099 | Plug | | | 0511 | 54050300R | T. L. Washer OR | x4 | |
| J904 | YP1000099 | Plug | | | 0512 | 51570306B | P. H. Tapt Screw | x4 | |
| J905 | YP1000099 | Plug | | | M002 | IN1008007 | Lamp | Meter | |
| J906 | YP1000099 | Plug | | | M003 | IN1008007 | Lamp | Meter | |
| J907 | YP1000099 | Plug | | | M004 | IN1008007 | Lamp | Meter | |
| J908 | YP1000099 | Plug | | | M005 | IN1008007 | Lamp | Meter | |
| J909 | YP1000099 | Plug | | | J007 | YJ0800019 | Jack | Quad Indicator | |
| J910 | YP1000099 | Plug | | | 0414 | 285327402 | Reflector | | |
| | | RESISTORS | | | 0415 | 285327102 | Holder | | |
| P250 | YD2855002 | P. W. B. | Hi Filter, Tape Monitor | | 0517 | 51100306A | B. H. M. Screw | | |
| | ZZ2855002 | P. W. B. Ass'y | | | 0518 | 51570306B | P. H. Tapt Screw | | |
| | | RESISTORS | | | 1126 | 62031650W | Lug | Earth | |
| R251 | RT0547214 | 4.7KΩ ± 5% | | 1/4W | M001 | IN1008007 | Lamp | Quad Indicator | |
| R252 | RT0547214 | 4.7KΩ ± 5% | | 1/4W | | | | | |
| R253 | RT0547214 | 4.7KΩ ± 5% | | 1/4W | | | | | |
| R254 | RT0547214 | 4.7KΩ ± 5% | | 1/4W | | | | | |
| R255 | RT0510514 | 1MΩ ± 5% | | 1/4W | | | | | |
| R256 | RT0510514 | 1MΩ ± 5% | | 1/4W | | | | | |
| R257 | RT0510514 | 1MΩ ± 5% | | 1/4W | | | | | |
| R258 | RT0510514 | 1MΩ ± 5% | | 1/4W | | | | | |
| R259 | RT0510214 | 1KΩ ± 5% | | 1/4W | | | | | |
| R260 | RT0510214 | 1KΩ ± 5% | | 1/4W | | | | | |
| R261 | RT0510214 | 1KΩ ± 5% | | 1/4W | | | | | |
| R262 | RT0510214 | 1KΩ ± 5% | | 1/4W | | | | | |
| | | CAPACITORS | | | 0422 | 285510901 | Shield | | |
| C251 | DF1668201 | Film | 0.0068μF | ± 10% | 0423 | 285512002 | Insulator | | |
| C252 | DF1668201 | Film | 0.0068μF | ± 10% | 0425 | 280312001 | Insulator | | |
| C253 | DF1668201 | Film | 0.0068μF | ± 10% | | | | | |

| REF. DESIG. | MARANTZ PART NO. | DESCRIPTION | | | | REF. DESIG. | MARANTZ PART NO. | DESCRIPTION | | | |
|------------------------|-----------------------------|--------------------|-----------------|---------|-----|------------------------|-----------------------------|----------------------|--------------|--|--|
| M006 | IM1104205 | DC Meter | LF | | | S004 | SR0602009 | Rotary Switch | Spk. 4CH/2CH | | |
| M007 | IM1104206 | DC Meter | RF | | | J006 | YJ0700006 | Jack | SQ Decoder | | |
| M008 | IM1104205 | DC Meter | LR | | | 0911 | 285110450 | Retainer K | | | |
| M009 | IM1104206 | DC Meter | RR | | | 1020 | 51100312S | B. H. M. Screw | x2 | | |
| 0603 | 285516001 | Bracket | | | | A | 285506340 | Escutcheon Ass'y | | | |
| 0610 | 145525903 | Bush | | | | 0103 | 285506301 | Escutcheon | | | |
| 0703 | 51100308S | B. H. M. Screw | x8 | | | 0104 | 285540101 | Frame | | | |
| 0704 | 53110303E | Hexagon Nut | x8 | | | 0105 | 285515801 | Window | | | |
| J017 | YT0304003 | Terminal | Spk | | | 0106 | 281825905 | Bush | | | |
| J018 | YT0304003 | Terminal | Spk | | | 0107 | 273125901 | Bush x2 | | | |
| J019 | YT0304003 | Terminal | Spk | | | 0109 | 285505301 | Cover | | | |
| J020 | YT0304003 | Terminal | Spk | | | B | 281815440 | Knob Ass'y | | | |
| 0707 | 51100308S | B. H. M. Screw | x14 | | | 0118 | 281815404 | Knob x2 | | | |
| 0708 | 53110303E | Hexagon Nut | x14 | | | 0119 | 71400149Q | Spring x2 | | | |
| J001 | YT0206003 | Terminal | Aux | Tape | 1.2 | C | 281815441 | Knob Ass'y | | | |
| J002 | YT0206003 | Terminal | Aux | Tape | 1.2 | 0121 | 281815405 | Knob x2 | | | |
| J003 | YT0204003 | Terminal | Aux | Tape | 1.2 | 0122 | 71400159Q | Spring x2 | | | |
| J004 | YT0204003 | Terminal | Tape | Out | 1.2 | | | | | | |
| J005 | YT0204003 | Terminal | Phono | Tuner | | | | | | | |
| J023 | YT0204003 | Terminal | Pre Out | Main In | | | | | | | |
| J024 | YT0204003 | Terminal | Pre Out | Main In | | | | | | | |
| 0711 | 55060307F | T. R. Rivet | x4 | | | | | | | | |
| 0712 | 54050300R | T. L. Washer OR | x4 | | | | | | | | |
| J025 | YJ0400018 | Jack | AC Outlet | | | | | | | | |
| J026 | YJ0400018 | Jack | AC Outlet | | | | | | | | |
| 0716 | 53110403E | Hexagon Nut | | | | 0927 | 282100501 | Clamper | | | |
| 0717 | 62041760W | Lug | | | | 0928 | 138200503 | Clamper x11 | | | |
| 0718 | 54020401E | Flat Washer P | | | | W002 | YW2855001 | Wire Material | | | |
| 0719 | 54050400R | T. L. Washer OR | | | | W003 | YX2855001 | Wire Material | | | |
| J031 | YL0301021 | Socket | Ground | | | 0134 | 275905701 | Leg x4 | | | |
| 0617 | 281805501 | Collar | x2 | | | 0313 | 51100410A | B. H. M. Screw x4 | | | |
| 0725 | 51100312S | B. H. M. Screw | x2 | | | 0314 | 54020401A | Flat Washer P x4 | | | |
| 0726 | 53110303E | Hexagon Nut | x2 | | | 0315 | 54040402A | Spring Washer x4 | | | |
| J032 | YJ0800012 | Socket | Fuse Holder | | | 0729 | 51100306S | B. H. M. Screw x2 | | | |
| F001 | FS1050003 | Fuse | 5 (A) UL 3AG | | | 0903 | 285510550 | Chassis K | | | |
| J034 | YP1000097 | Plug | Pre Out/Main In | | | 0923 | 285510103 | Support x2 | | | |
| J035 | YP1000097 | Plug | Pre Out/Main In | | | 0918 | 285110101 | Support x2 | | | |
| J036 | YP1000097 | Plug | Pre Out/Main In | | | 6336 | 138200503 | Clamper x3 | | | |
| J037 | YP1000097 | Plug | Pre Out/Main In | | | 1003 | 51570306B | P. H. Tapt Screw x10 | | | |
| C001 | DK1710301 | Capacitor | Ceramic | 0.01μF | 50V | 1004 | 51100306S | B. H. M. Screw x6 | | | |
| C002 | DK1710301 | Capacitor | Ceramic | 0.01μF | 50V | 1007 | 51570306B | P. H. Tapt Screw x8 | | | |
| W001 | YC0240010 | AC Cord | | | | 1011 | 51100512A | B. H. M. Screw x4 | | | |
| 0723 | 51100306S | B. H. M. Screw | x2 | | | 1012 | 53110501A | Hexagon Nut x4 | | | |
| 0724 | 53110303E | Hexagon Nut | x2 | | | 1013 | 54040502A | Spring Washer x4 | | | |
| J012 | YJ1100012 | Jack | | | | 1014 | 54020501A | Flat Washer P x4 | | | |
| 0616 | 285116007 | Bracket | | | | 1016 | 53110303E | Hexagon Nut x2 | | | |
| 0621 | 285516003 | Bracket | | | | 1017 | 54040302N | Spring Washer x2 | | | |
| | | | | | | 1019 | 51100306S | B. H. M. Screw x2 | | | |
| | | | | | | 1022 | 54040402N | Spring Washer x2 | | | |
| | | | | | | 1026 | 51100306S | B. H. M. Screw x4 | | | |
| | | | | | | 1027 | 51100306S | B. H. M. Screw x4 | | | |
| | | | | | | 1028 | 51100306S | B. H. M. Screw x4 | | | |

| REF. DESIG. | MARANTZ PART NO. | DESCRIPTION | REF. DESIG. | MARANTZ PART NO. | DESCRIPTION |
|----------------|---------------------|---------------------------------|----------------|---------------------|--------------------|
| 1029 | 51100306S | B. H. M. Screw x4 | 1312 | 901403540 | Polyethylen Bag |
| 1030 | 51100306S | B. H. M. Screw x4 | 1314 | 901302501 | Polyethylen Bag x2 |
| 1031 | 51100306S | B. H. M. Screw x2 | 1317 | 102980401 | Sleeve |
| 1103 | 51570408B | P. H. Tapt Screw x4 | 1319 | 273182101 | Silicagel x2 |
| 1104 | 54020401E | Flat Washer P x4 | 1322 | 952281501 | Serial NO Card x4 |
| 1123 | 51570306B | P. H. Tapt Screw x7 | | | |
| 1124 | 51570306B | P. H. Tapt Screw x10 | | | |
| 1125 | 54050300R | T. L. Washer OR x10 | | | |
| C003 | EC2090501 | Capacitor Electroly 20000μF 50V | | | |
| C004 | EC2090501 | Capacitor Electroly 20000μF 50V | | | |
| L001 | TS6140302 | Power Transf. | | | |
| J033 | YL0103002 | Terminal 3P | | | |
| 1108 | 51570306B | P. H. Tapt Screw x2 | | | |
| 1109 | 51570306B | P. H. Tapt Screw | | | |
| 6436 | 62031650W | Lug x3 | | | |
| 0112 | 281815401 | Knob x6 | | | |
| 0113 | 281815402 | Knob | | | |
| 0114 | 285015401 | Knob x3 | | | |
| 0115 | 281815403 | Knob x5 | | | |
| 0124 | 285525701 | Lid | | | |
| 0125 | 257711803 | Spacer x4 | | | |
| 0127 | 285525750 | Lid K | | | |
| 0130 | 285125703 | Lid | | | |
| 0131 | 285712001 | Insulator | | | |
| 0132 | 285512001 | Insulator x2 | | | |
| 0133 | 288312001 | Insulator | | | |
| 0135 | 51216059E | Screw x4 | | | |
| 0202 | 285526501 | Indicator | | | |
| 0211 | 257886101 | Label UL CAUTION | | | |
| 0212 | 257886102 | Label Do not Remove Cover | | | |
| 0213 | 257886103 | Label See Marking on Bottom | | | |
| 0220 | 282186102 | Label Fuse Caution | | | |
| 0303 | 51122608E | T. H. M. Screw x4 | | | |
| 0305 | 51100406S | B. H. M. Screw x9 | | | |
| 0309 | 51100406S | B. H. M. Screw x4 | | | |
| 0310 | 54020401S | Flat Washer P x4 | | | |
| 0730 | 51100306S | B. H. M. Screw x2 | | | |
| 0417 | 285500701 | Strip | | | |
| 0431 | 285530201 | Dial | | | |
| 0221 | 285386101 | Label | | | |
| 1202 | 285585101 | Instructions | | | |
| 1209 | 285585601 | Schematic Diagram | | | |
| 1217 | 281885104 | Instructions | | | |
| 1219 | 282885108 | Instructions | | | |
| 1223 | 257785450 | Guarantee Card K | | | |
| 1302 | 285580101 | Packing Case | | | |
| 1303 | 285580111 | Packing Case | | | |
| 1308 | 285580301 | Partitioner | | | |
| 1309 | 285580302 | Partitioner | | | |

TECHNICAL SPECIFICATIONS

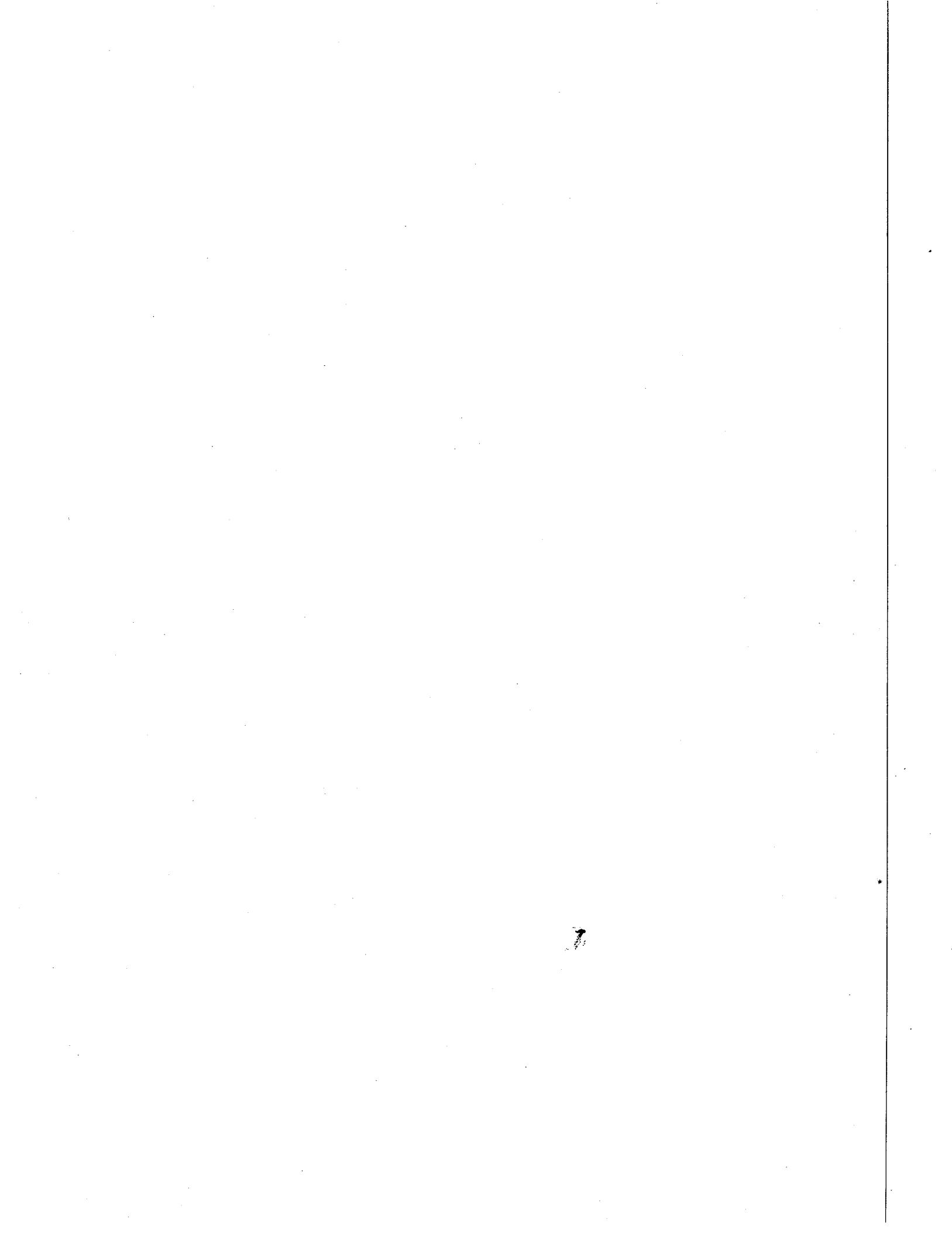
AUDIO SECTION

| | |
|---|--|
| Input Impedance — Low level input | Phono 47K ohm |
| — High level input | 100K ohm |
| Input Sensitivity — Phono | 1.8mV for 25W output |
| — High level | 180mV for 25W output |
| Frequency Response | 1.0dB, 20Hz to 20KHz at 1W output |
| Intermodulation Distortion | Less than 0.3% at rated power output from 20Hz to 20KHz with all channels driven (S.M.P.T.E) |
| Total Harmonic Distortion | Less than 0.3% at rated power output 20Hz to 20KHz with all channels driven |
| Damping Factor | Greater than 45 into 8 ohms load |
| Total Noise — From magnetic phono input to power amp output | Less than 2.8 μ V equivalent input at rated output into 8 ohms load |
| Volume Tracking | Within 3dB |
| Rated Continuous (RMS) Output per channel, all channels operating simultaneously | 25W at 4 and 8 ohms 15W at 16 ohms |
| Comparable Total Music Power (IHF) | 150W at 8 ohms |

GENERAL

| | |
|---|--------------------|
| Power Requirements | 120V AC 50 to 60Hz |
| Power Consumption — at rated power output, all channels | 400 watts |
| — idling (no signals) | 30 watts |
| Dimensions — Panel Width | 15-3/8 inches |
| — Panel Height | 5-3/4 inches |
| — Depth | 14-3/8 inches |
| Weight — Unit alone | 33 lbs |
| — Packed for shipment | 44 lbs |

* These specifications and exterior designs may be changed for improvement without advance notice.





marantz

MARANTZ CO., INC. • P.O. BOX 99 • SUN VALLEY, CALIFORNIA • 91352

A WHOLLY-OWNED SUBSIDIARY OF SUPERSCOPE INC., SUN VALLEY, CALIFORNIA 91352

