service manual 26

marantz

model twenty six

Stereophonic Receiver

marantz

TABLE OF CONTENTS

PAGE

Introduction 1

Service Note 1

AM Tuner 2

FM Tuner 3

FM and AM Tuner Alignment 6

Main Amplfier 9

Phono Amplifier 13

Power Supply Unit 13

Test Equipments For Servicing 14

Parts List ..... 21~27

LIST OF ILLUSTRATIONS

FIGURE PAGE

1. Dial Stringing Diagram 14
2. Main Chassis Component Locations 15
3. Rear Panel Ajustment and Component Locations 16
4. AM/FM/FM MPX Tuner Assembly P100 Component Locations 16
5. FM Sub IF Amp. Assembly P200 Component Locations 17
6. PHONO Amp. Assembly P300 Component Locations 17
7. Pre and Power Amp. Assembly P400 Component Locations 18
8. Power Supply Assembly P500 Component Locations 18
9. Tape Mon-Loudness -Low Filter-High Filter
   Assembly P600 Component Locations 19
10. Schematic Diagram 20

INTRODUCTION

This service manual was prepared for use by Authorized Warranty Stations and contains service data for the Marantz Model 26 Stereophonic Receiver.

Servicing information and voltage data included in this manual are intended for use by knowledgeable and experienced technicians only. All instructions should be read carefully. No attempt should be made to proceed without a good understanding of the operation of the Receiver. A brief functional description and associated block diagram, furnished in the Operating Instruction Manual for the Model 26 Receiver, provides functional data about the Receiver as an aid in this understanding.

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

1. SERVICE NOTE

The Model 26 consists of following units. Each unit mounted on a printed circuit board is circumscribed by a bold dotted line on the circuit diagram.

1. FM Front End, AM Front End,
   FM/AM IF Amplifier, FM MPX
   Stereo Demodulator ..... mounted on PC board P100
2. FM Sub-IF Amplifier ..... mounted on PC board P200
3. Phono Amplifier ..... mounted on PC board P300
4. Tone Amplifier and Main Amplifier ..... mounted on PC board P400

5. Rectifiers and Power Supply..... mounted on PC board P500
6. Loudness Control Unit, High
   and Low Filter Units..... mounted on PC board P600

2. AM TUNER

2-1. Circuit Description

The AM tuner consists of two parts, a front end and an IF amplifier unit, both mounted on a part of PC board P100.

The front end is comprised of a converter and a diode. AM signals induced in the ferrite-rod antenna L001 are roughly selected in the antenna tuning circuit. The selected signals are applied to the base of converter transistor H114 through coupling capacitor C117. The converter is a collector-emitter self oscillating circuit and the local oscillation signal appears at the emitter of H114. Both signals are then mixed at the base-emitter junction and converted into 455kHz intermediate frequency. The amplified IF signals are obtained from the collector of H114 and applied to the first IF transformer L113.

Diode H116, reverse-biased by resistors R113 and R114, eliminates signal overload distortion without sacrificing receiving sensitivity.

The IF signals are led to the IF amplifier consisting of two stages H115 and H106 and amplified to high level. The amplified IF output is applied to diode H109 to detect audio signals. Then the detected audio signals are led to output pin J118 through filtering network. The DC component of the detected IF signals is used for AGC which affects the base bias current of H115. A part of IF signal output is also applied to diode H112 through capacitor C139 and rectified to obtain DC

current to energine the tuning meter M001.

2-2. Suggestions for Trouble Shooting of AM Tuner

Symptom: No AM Reception.

First, try to tune stations by rotating flywheel tuning knob slowly and observe the tuning meter whether it deflects or not. If the tuning meter gives a deflection at several frequencies received, no failure exists in the stages at least preceeding IF transformer L115.

Next, connect an oscilloscope to tuner output pin J118 and check audio signals.

If the tuning meter does not deflect, check the local oscillator circuit. Normal oscillation voltage at the hot end of the oscillator capacitor is 2 to 3 volts, varying with tuning capacitor position. When measuring oscillation voltage use an RF VTVM, no circuit tester gives correct indication. If the local oscillation voltage is normal check all voltage distributions in the tuner circuit by using a circuit tester and compare the measured values with those written in the schematic diagram.

3. FM TUNER

3-1. Circuit Description

The FM tuner section consists of four parts, FM front end unit, IF amplifier, MPX stereo decording unit, and Sub-IF amplifier.

FM signals induced by an FM antenna are led to FM antenna coil L101 through the attenuator switch S001 and balun coil L002. These signals are then applied to FET RF amplifier H101 and the amplified outputs are led to mixer H102 through a tuning circuit and converted into 10.7MHz IF signals. H103 is the local oscillator

transistor. The AGC voltage, obtained by rectifing a part of the second IF amplifier output, is applied to the gate of FET H101 through filtering network R125 and R101. The converted IF signals are led to the IF amplifier unit consisting of three transistor amplifier stages and one IC limiter. The FM IF amplifier shares its third stage transistor H106 with the AM IF amplifier. The IF signal fully amplified is then applied to FM discriminator transformer L109 and demodulated into audible signals. The demodulated audio signals are then applied to the base of 19kHz pilot signal amplifier H117. This amplifier operates as an emitter follower for the audio signals and has no voltage gain. The audio output is obtained from the emitter of H117 and applied to the center tap of 38kHz tuned transformer L119 through the 67kHz SCA trapping filter consisting of L120 and C159. The audio signals are split into right and left channel circuits by the diode-switching networks, then led to the crosstalk canceling amplifiers. When the demodulated audio signal is stereo composite signal, the 19kHz pilot signal amplifier operates as a tuned amplifier for the 19kHz pilot signal and as an emitter follower for the composite signal except 19kHz. The pilot signal, amplified by H117, is applied to H118 for further amplification. Then it is rectified by the full wave rectifier consisting of diodes H122 and H123, thus provided 38kHz pulsating current to drive 38kHz sub-carrier amplifier transistor H120, and 38kHz sub-carrier is obtained. The 38kHz sub-carrier and stereo composite signal, except 19kHz, are superimposed at the secondary coil of L119 and the composite signal is alternatively sampled by the right and left channel switching diodes at the rate of 38kHz. The sampled or separated outputs are led to

the crosstalk canceling amplifier consisting of H128 and H129. Then led to tuner output pins J112 and J114 after canceling undesirable crosstalk. The tuned circuit L121, C171, C172 and C175 is filtering circuit against 38kHz.

The second 19kHz pilot signal amplifier H118 is so designed that the emitter circuit is electrically switched on and off by controling the bias current of switching transistor H119. The bias current is obtained from the Sub-IF amplifier circuit consisting of transistor H201, 10.7MHz IF transformer L201 and two diodes H202 and H203. The stereo switch on the front panel is connected between the base and emitter of switching transistor H119. Therefore, when the switch is in its normal "off" position, the base and emitter is short-circuited and no emitter current flows. Thus the emitter of the second 19kHz pilot signal amplifier is cut off and no 19kHz signal appears at the collector of H118. No stereo separation is obtained. When the stereo switch is depressed, the emiter-base short-circuit is opened and if the FM signal received is stronger than the pre-determined level, the DC voltage produced by diode H202 becomes large enough to drive the switching transistor H119, thus H119 is turned on and H118 begins to operate. H120 is also turned on and it turns the stereo beacon switching transistor H121 turning the beacon lamp on.

The direct current developped between−B and diode H203 is used to drive FM tuning meter M001.

3-2. Suggestions for Trouble Shooting of FM Tuner

3-2-1. Symptom: No FM Reception

First, turn on the power switch and try to tune FM stations. Rotate the flywheel tuning knob slowly and observe the FM tuning meter. If the tuning meter deflects

at several frequencies, the tuner circuit preceeding the limiter circuit may have no failure. Tune the set to a station and check the following points by using a high sensitivity oscilloscope: output of the FM discriminator T.P.B, output of the 19kHz pilot signal amplifier T.P.H, and Multiplex stereo output pin J112 or J114. When no reading is observed on the tuning meter, check the local oscillator circuit by using an RF VTVM. Normal local oscillation voltage is about 1 volts at the hot end of the tank circuit. If the oscillation voltage is normal, check all voltage distributions and compare them with those shown in the schematic diagram.

3-3-2. Symptom: No Stereo Separation

First, check the stereo switch is depressed. Connect FM RF signal modulated by stereo signal to the rear FM antenna terminals and check the stereo beacon lamp is turned on or not. When the lamp is not turned on, connect an oscilloscope to test point G and observe 38kHz stereo sub-carrier is correctly generated or not.

4. FM AND AM TUNER ALIGNMENT

The following alignment for FM and AM tuner requires many precision measuring equipments. No alignment should be performed in the field unless the service man has these equipments and enough knoledge in solid state amplifier components, since all the units are factory aligned and not become misaligned by themselves.

4-1. AM Front End

1) Set an AM signal generator to 600kHz, 400Hz 30% modulation. Tune the receiver to the same frequency and adjust oscillator coil L112 until the dial

pointer coincides with the 600kHz marking on the dial.

2) Set the AM signal generator to 1400kHz. Tune the receiver to the same frequency and adjust trimming capacitor C183-4 mounted on the tuning capacitor.

3) Repeat procedure 1 and 2 until no further adjustment is necessary between the low end and the high end.

4) Set the generator to 600kHz. Tune the receiver to the same frequency and adjust antenna coil L001 in the plastic case for maximum output.

5) Set the generator to 1400kHz. Tune the receiver to the same frequency and adjust antenna trimming capacitor C183-3 mounted on the tuning capacitor for maximum output

6) Repeat procedure 4 and 5 until no further improvement is obtained.

Note. During tracking alignment, reduce the signal generator output as necessary to avoid AGC action.

4-2. AM IF Amplifier

To align the AM IF amplifier, a sweep generator with marker generator combined is necessary.

1) Connect the sweep generator across test point F and common ground, connect an oscilloscope to test point C.

2) Turn each primary and secondary core of IF trasformers L113, L114, and L115 for maximum and symmetrical response.

4-3. FM Front End

4-3-1. Local Oscillator Adjustment

1) Measuring instruments connection.

Connect an FM signal generator to the FM antenna terminals on the back side of the set. Connect a VTVM or oscilloscope across the speaker system terminals.

2) Set the FM signal generator to 90MHz, 400Hz 100% modulation. Tune the receiver to the same frequency and adjust oscillator coil L104 until the dial pointer coincides with the 90MHz marking on the dial.
3) Set the FM signal generator to 106MHz. Tune the receiver to the same frequency and adjust trimming capacitor C182 until the dial pointer coincides with the 106MHz marking on the dial.
4) Repeat procedure 2 and 3 until no further adjustment is necessary between the low end and the high end.

4-3-2. FM Tracking Alignment

1) Set an FM signal generator to provide about 5uV at 90MHz. Tune the receiver to the same frequency and turn each core of L101 and L102 for maximum output
2) Set the FM signal generator to 106MHz. Tune the receiver to the same frequency and adjust trimming capacitors C183-1 and C183-2 for maximum output.
3) Repeat procedure 1 and 2 until no further improvement is obtained.

4-4. FM IF Amplifier

To align the FM IF amplifier, a high frequency sweep generator with 10.7MHz marker generator combined is required. Connect the sweep generator to the T.P.D an oscilloscope to test point A. Turn each primary and secondary core of IF transformers L105, L106, L107, and L108 for maximum and symmetrical response.

4-5. FM Discriminator

Connect an oscilloscope to test point B and turn the primary and the secondary cores of discriminator transformer L109 for straight and symmetrical "S" curve with 10.7MHz marker center.

More precision adjustment of discriminator requires a distortion meter. To make this precision adjustment, connect an FM signal generator having low distortion characteristics to the antenna terminals of the set. Tune the set to the FM signal and measure the distortion of audio output. Turn the primary core of the discriminator transformer until minimum distortion is obtained.

4-6. FM Stereo Demodulator

A stereo multiplex and RF FM signal generator is required to make the separation adjustment on this circuit.

Perform the following adjustment in sequence.

1) Set the FM signal generator to 98MHz, 2KuV output level. Tune the receiver to the same frequency. Ensure that the stereo switch is depressed for stereo operation.
2) Connect an oscilloscope probe to test point G and turn each core of L117, L118, and L119 for maximum stereo carrier wave on the CRT.
3) Turn the core of L119 again to obtain equal stereo separation in both of R and L channels.
4) Adjust trimming resistor R175 for maximum and equal stereo separation in both channels.

4-7. FM Sub-IF Amplifier

To align the sub-IF amplifier, tune the receiver to an FM signal and turn the core of L201 so that the FM tuning meter reads maximum deflection.

5. MAIN AMPLIFIER

5-1. Circuit Description

5-1-1. Amplifier

The audio signals selected by the selector switch S002-1 are led to the tone

amplifier through stereo switch S003, tape monitor switch S601-4 and the volume control with loudness control network. The signals are applied through coupling capacitor C401 and resistor R459 to the base of H401 which is an emitter follower to achieve low driving impedance for C-R tone control network. The signals obtained from the emitter of H401 are led to the tone control network through coupling capacitor C403. After bass and treble controlled, the signals are applied to the two stage amplifier consisting of H403 and H405. Negative feedback is utilized from the collector of H405 to the emitter of H403 through C409, R413 and R411 to maintain good stability and linearity.

The amplified signals obtained from the collector of H405 are applied to the base of H407 via the balance control R017 and Hi and Low filter networks. The output of H407 is applied to the base of H409. H409 provides voltage amplification necessary to drive the driver transistors H411 and H413. These two transistors are operated in a complementary-symmetry configuration with their respective power transistors H001 and H002.

The output of H411 is applied to the base of H001, and that of H413 to H002. Combined operation of PNP transistor H413 and NPN transistor H411 with NPN power transiotors H001 and H002 provides a single-ended push-pull output.

This output is applied to loudspeaker output terminals J003 through coupling capacitor C429 and headphones jack J004.

To maintain overall stability and linearity, negative feedback is utilized throughout the amplifier. This feedback is also necessary to reduce distortion to be well under

the specified limits. R437 and R429 condition the feedback loop gain.

5-1-2. Dynamic Bias

Dynamic bias is applied to the bases of deiver trasistors H411 and H413. H411 and H413 determine the class of operation for the power amplifier transistors H001 and H002, respectively, thus maintaining a constant class of operation by establishing and maintaining proper collector-to-emitter current. This dynamic bias circuit consists of adjusting resistor R457 and temperature sensitive diodes H415, H417, and H419. The circuit provides a variable base bias for driver transistors H411 and H413 and automatically maintains proper base voltage, bias condition, with temperature change.

5-1-3. Amplifier Protection

Protection for the amplifier is provided by two varistor diodes H421 and H423.

When a grossly overloading input signal is applied across the bases of driver transistors H411 and H413, these varistor diodes effectively clip the excessive voltage and protect the driver and output transistors against damage due to the over loading input signal.

In the other case of output short-circuits, an excessive current flows into the power transistor H001 and this makes the voltage drop across the resister R447 increasing the eimtter potential of H001.

As the emitter of H411 is directly connected to the base of H001, the emitter potential of H411 is increased with the increased emitter potential of H001. While, on the other hand the base voltage of H411 is forced to at a fixed level by the varistor diode H421, the base-emitter potential or emitter current of H411 results in decreasing.

Since the base-emitter biasing of the power transistor H001 is obtained through the emitter to collector current of H411, the decreased emitter current(due to the output short circuit) of H411 means the decreased bias current of the power transistor H001 or decreased emitter current of the transistor. Thus the power transistor is protected against damage.

Concerning H002 and H413, the current increase through H002 causes voltage drop across R449 and it directly affects the emitter potential of H413 while the base potential is fixed by H423. Thus a good protection is achieved for both polarities.

5-2. DC Balance and Bias Adjustment of the Main Amplifier

5-2-1. DC Balance Adjustment

Connect an oscilloscope and a dummy load (8 ohms) across the speaker system output terminals for the channel being tested and an audio oscillator (1000Hz) to the AUX jack on the rear panel. Set the Bass, Treble and Balance controls flat or center position, the Loudness, Hi Filter and Low Filter switches off and the Volume control maximum. Turn the bias control resistor R457 fully clockwise. Adjust DC balance control R455 until equal clipping level is obtained for both polarities. Repeat the same procedure for the other channel.

Note. During DC balance adjustment, adjust the output level of the audio oscillator to show the clipping level on the CRT precisely.

5-2-2. Bias Adjustment

Give no input signal and connect a VTVM across resistor R447 or R449. Adjust the bias control resistor R457 until the VTVM reads 5mV. Ensure no crossover distortion is observed on the CRT with a faint signal input from an audio oscillator. To adjust the other channel, connect the VTVM across resistor R448 or R450 and adjust bias control resistor R458 for the same voltage reading.

Note. PC board P400 on which bias control resistor R457 and R458 are mounted is located in back of the power transistors.

5-3. Suggestions for Trouble Shooting of Power Amplifier

5-3-1. Excessive line consumption

1) Check for shorted rectifiers H502, H503, H504, H505, H506, H507, and H508, also check C501, C503, and C507.
2) Check for shorted transistors H411 and H413. Check for open control resistor R457 and bias diodes H415, H417, and H419.
3) Check L003 for short.

CAUTION: Because the driver and output stages are direct coupled, components may fail as a direct result of an initial component failure. If a shorted or open transistor, diode, or control resistor is found be sure to check the remaining driver and output components for short or open circuits before re-energizing the amplifier.

5-3-2. No line consumption or zero bias

1) Check line cord, over current circuit breaker, and bias diodes H415, H417, and H419.
2) Check for open rectifiers H505, H506, H507, and H508, or open L003.

6. PHONO AMPLIFIER

The phono amplifier consists of conventional negative feed-back amplifier and no analytical circuit description may be required.

7. POWER SUPPLY UNIT

The power supply unit provides three different DC outputs of +38V, −11V and −2V. +38V output is obtained by bridge connected rectifiers H505, H506, H507, and H508 and filtering capacitor C503. This source energizes the power and tone amplifier and the phono amplifier.

Two rectifiers H503 and H504 are engaged in the rectification for−11V output. This output is well regulated by zener diode H501 and concerns with FM front end, AM front end, FM/AM IF amplifier, MPX stereo demodulator, and Sub-IF amplifier.

The power supply unit has another DC output of−2V for stereo beacon lamp operation.

8. TEST EQUIPMENTS FOR SERVICING

Item	Manufacturer and Model No.	Use
AM Signal Generator		Signal Source for AM Alignment
Test Loop		Used with AM Signal Generator
FM Signal Generator	Less than 0.3% distortion	Signal source for FM Alignment
Audio Oscillator	Less than 0.02% residual distortion is required	Sine wave source for modulating AM or FM Signal Generator, and trouble shooting.
Stereo Modulator	Less than 0.3% distortion	Modulating FM Signal Generator for Separation Alignment and trouble shooting.
Oscilloscope	high sensitivity	Wave form analysis and trouble shooting
VTVM	with RF probe	Trouble shooting
Circuit Tester		Trouble shooting
Sweep Generator	For 455KHz and 10.7MHz	AM and FM IF alignment
8-ohm Resistors	±0.5% 50W no inductive	Dummy Load
Line Voltmeter	0 – 150V AC	Monitors line voltage
Variable Autotransformer	0– 140V, 10amps	Primary power voltage agjustment

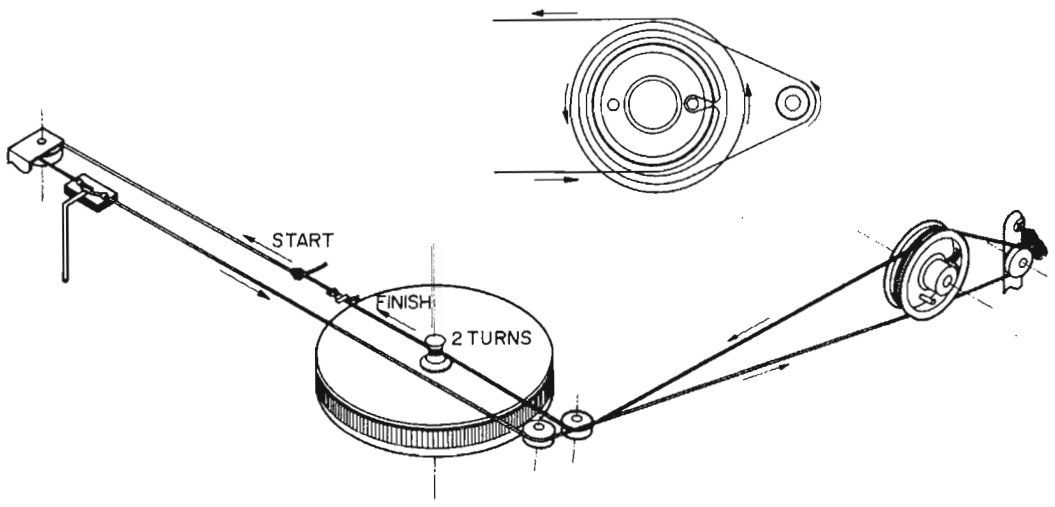


Figure 1 Dial Stringing Diagram

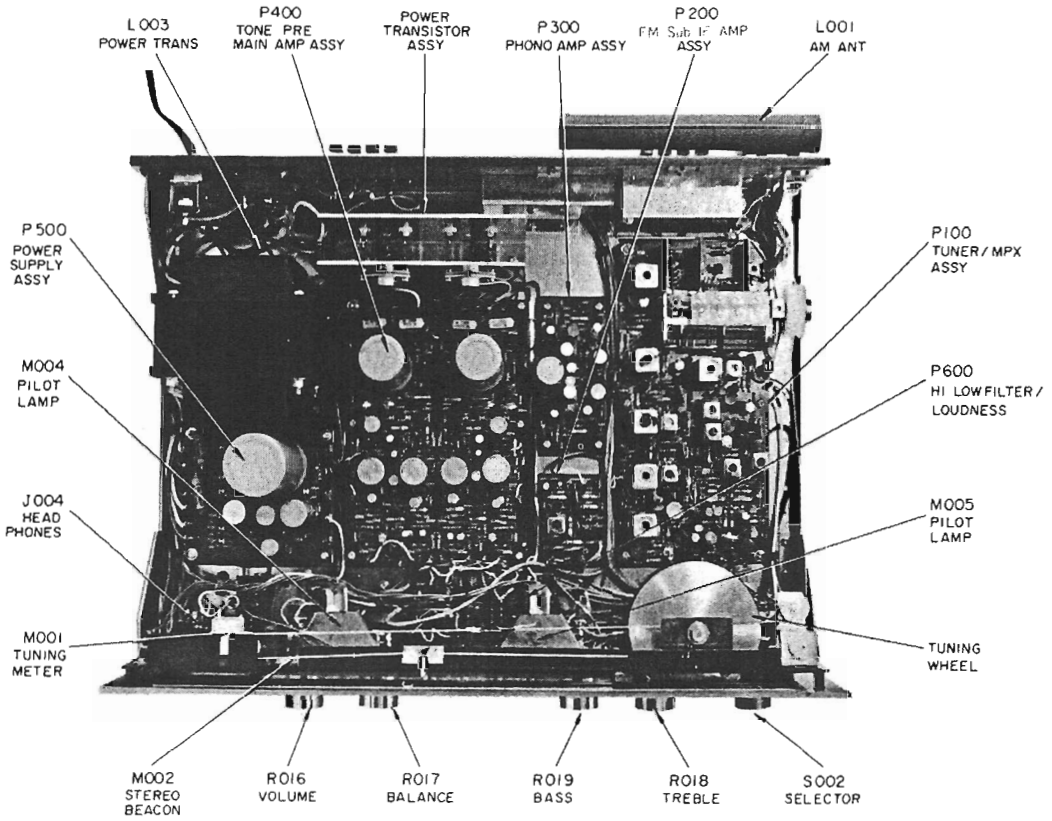


Figure 2 Main Chassis Adjustment and Component Locations

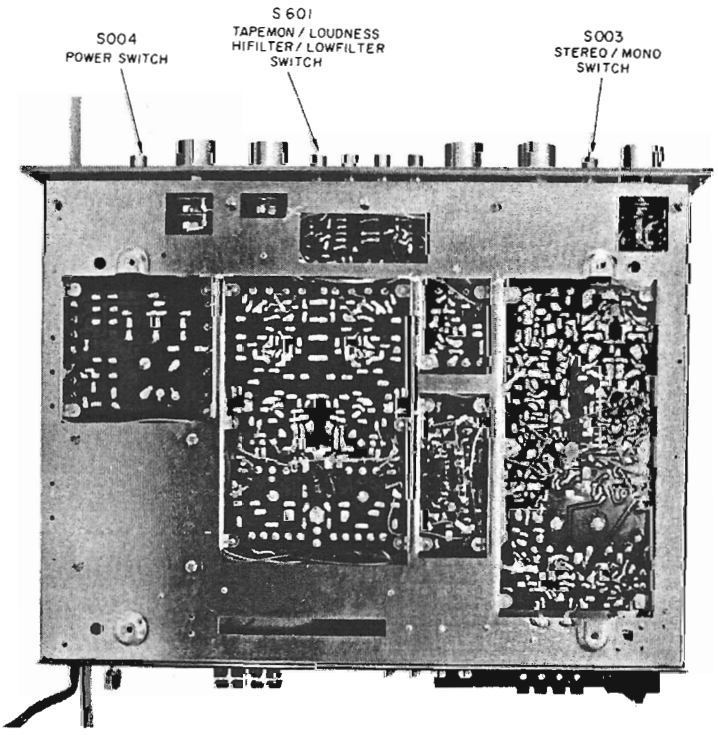


Figure 2 Main Chassis Adjustment and Component Locations

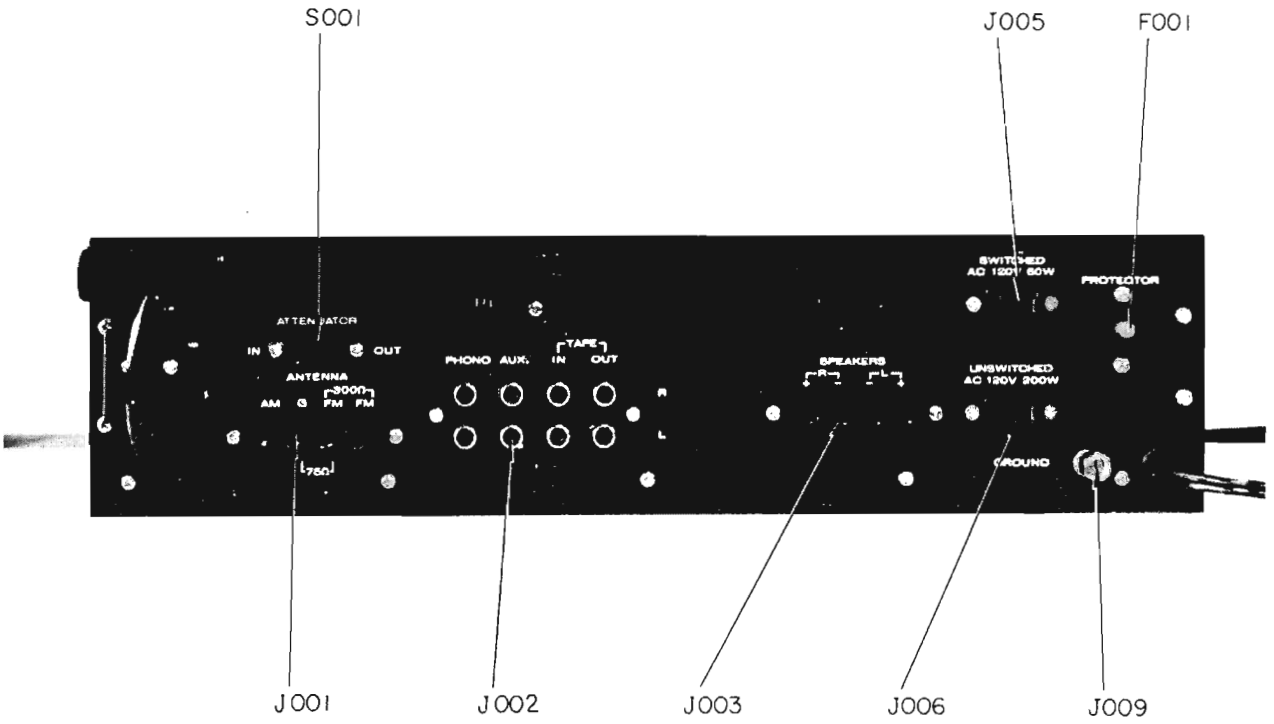


Figure 3 Rear Panel Adjustment and Component Locations

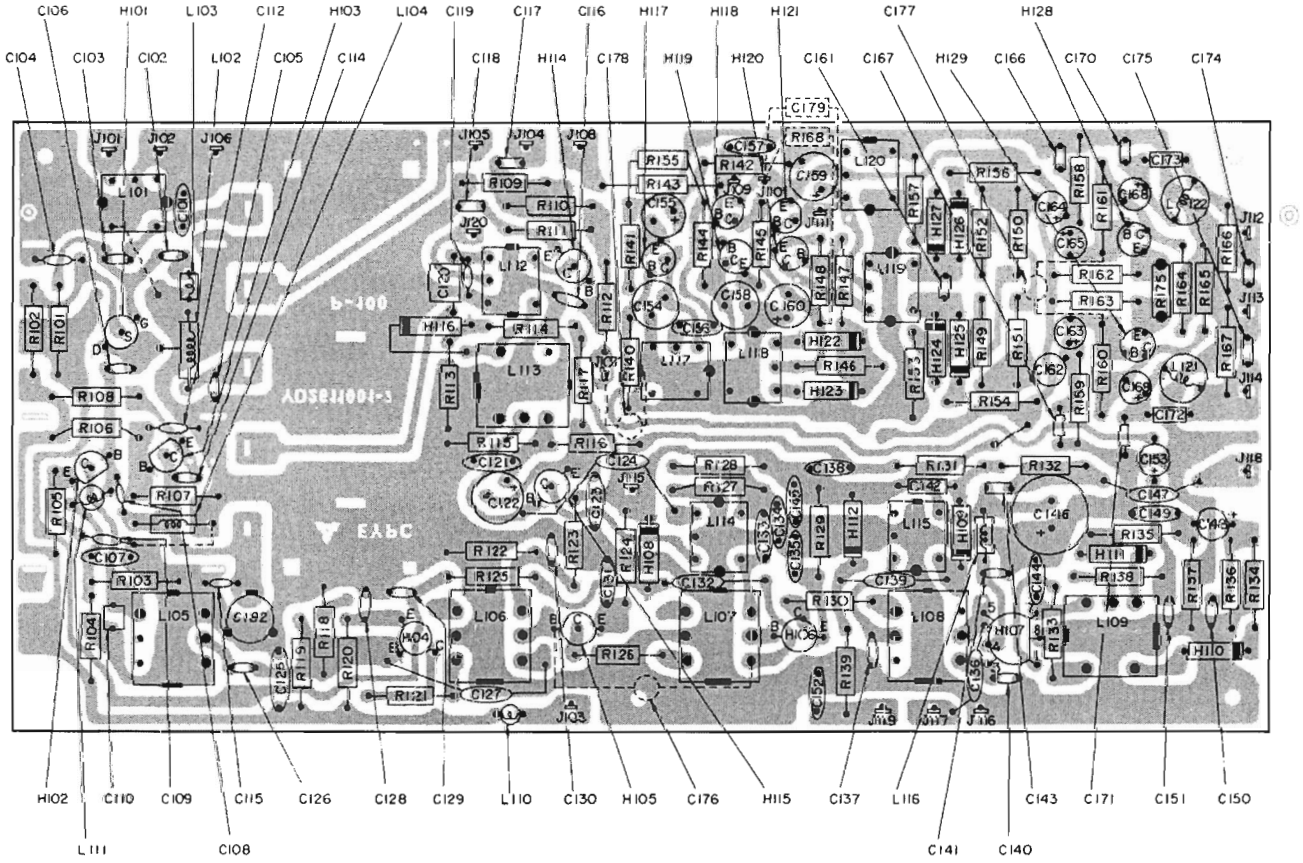


Figure 4 AM/FM/FM MPX Tuner Circuit

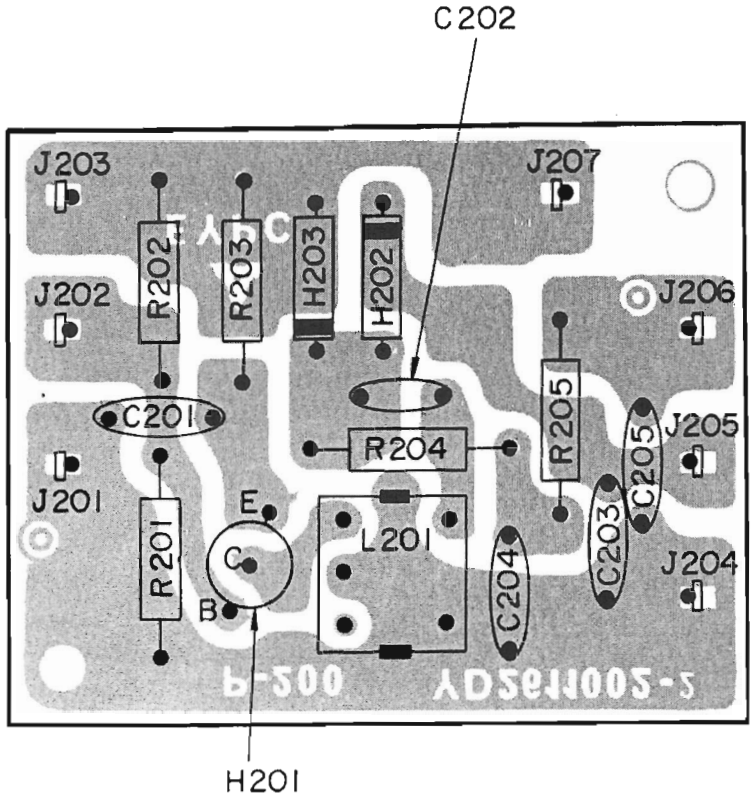


Figure 5 FM Sub IF Amplifer

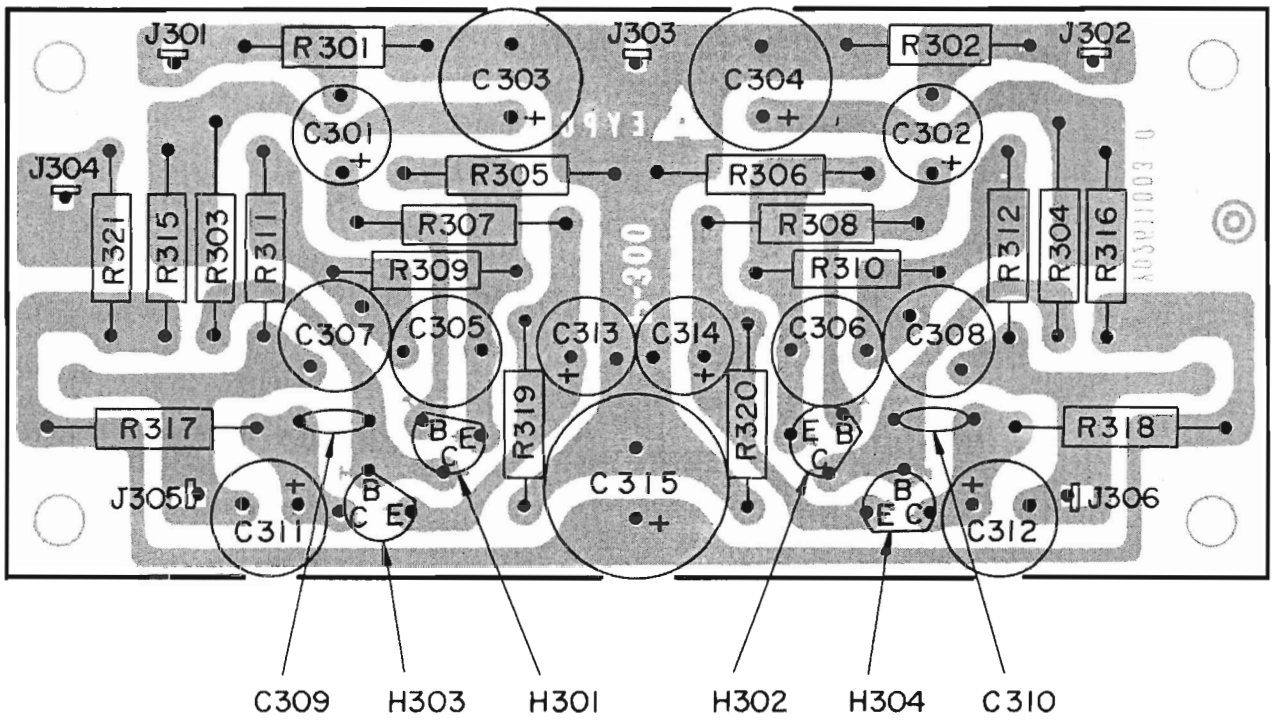


Figure 6 PHONO Amplifer

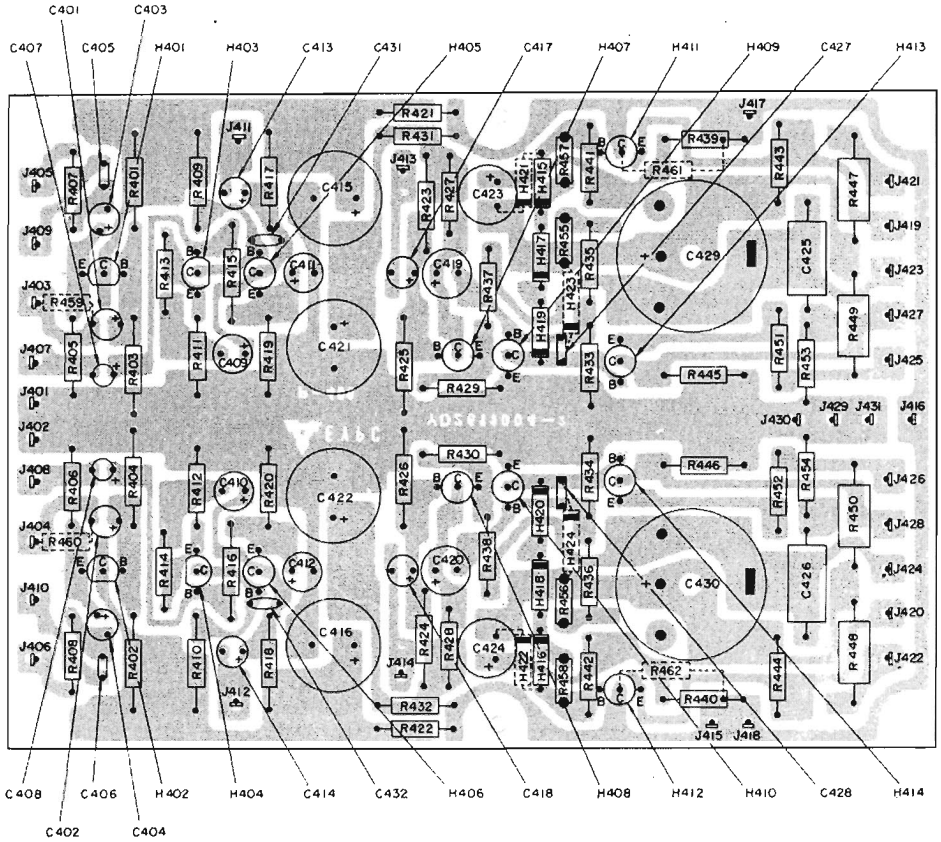


Figure 7 Pre-and Power Amplifer

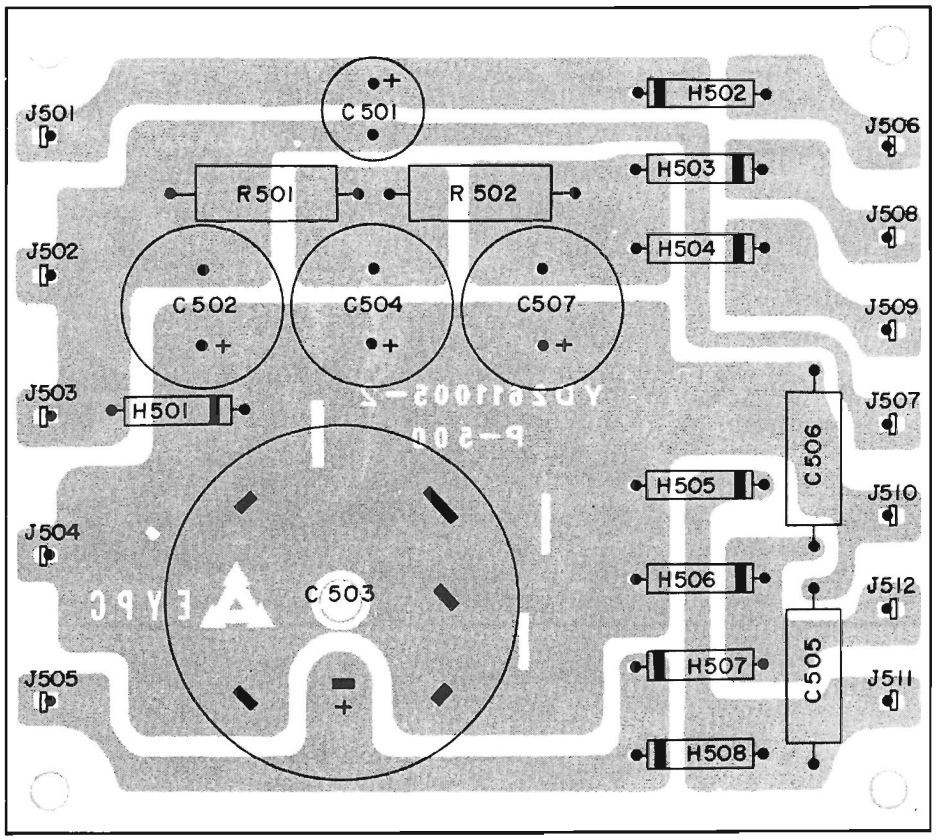


Figure 8 Power Supply Unit

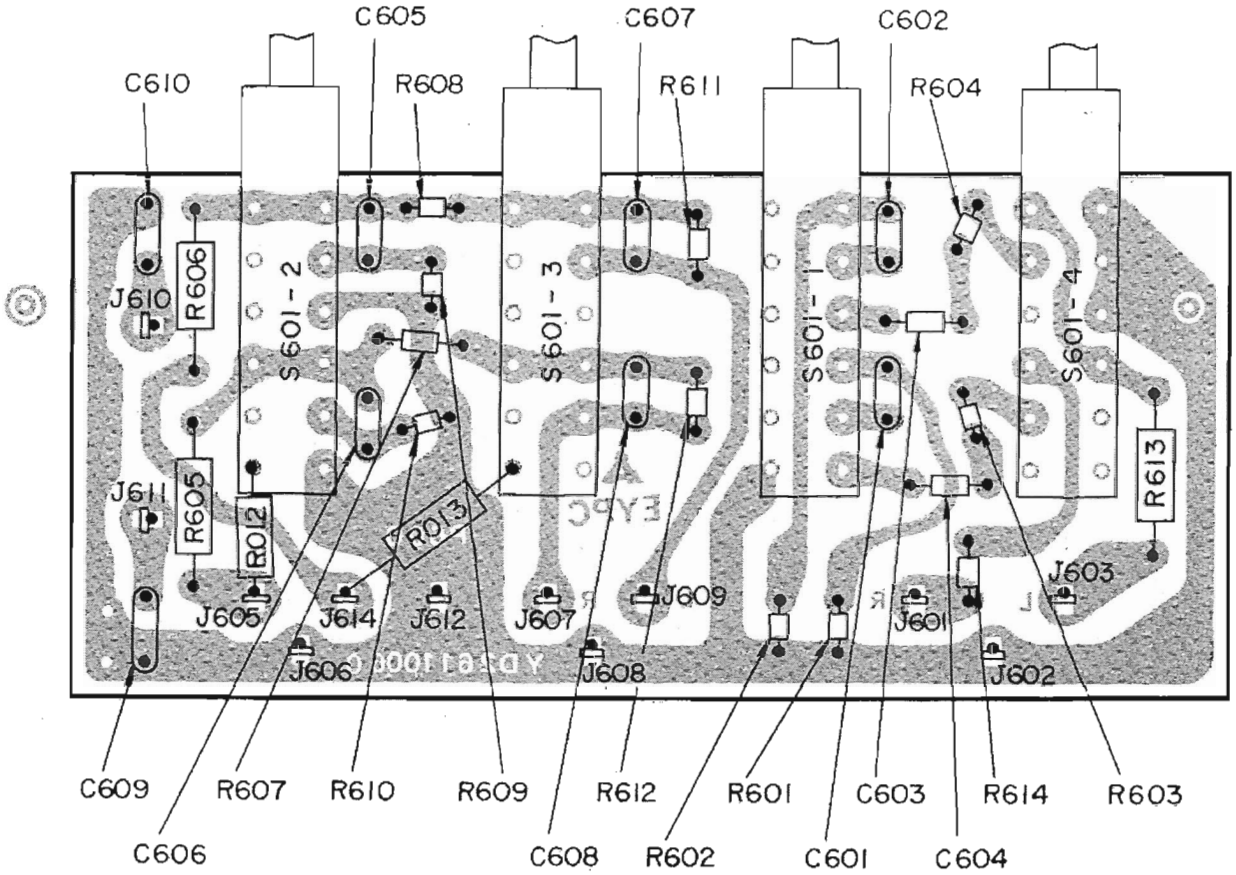
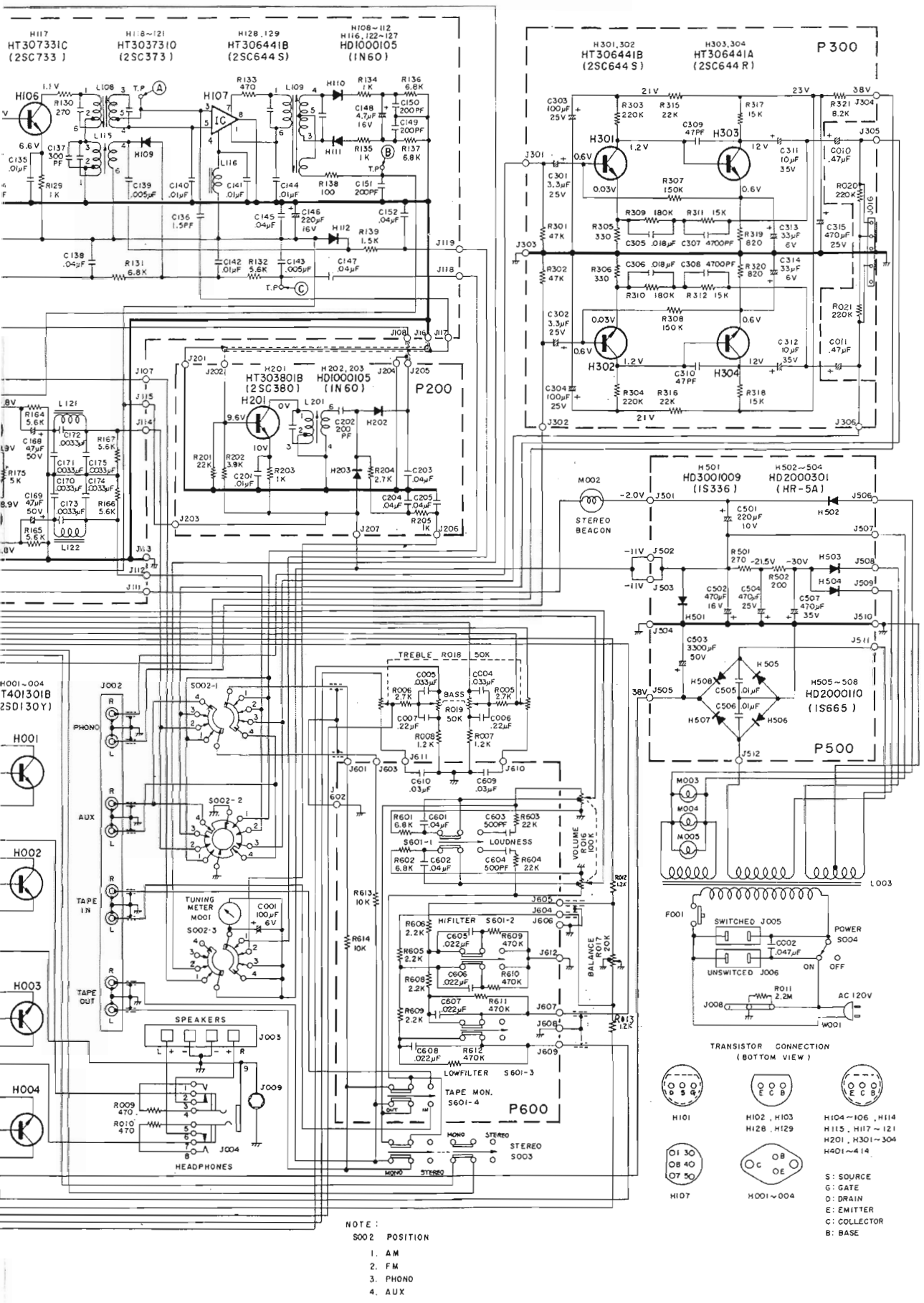
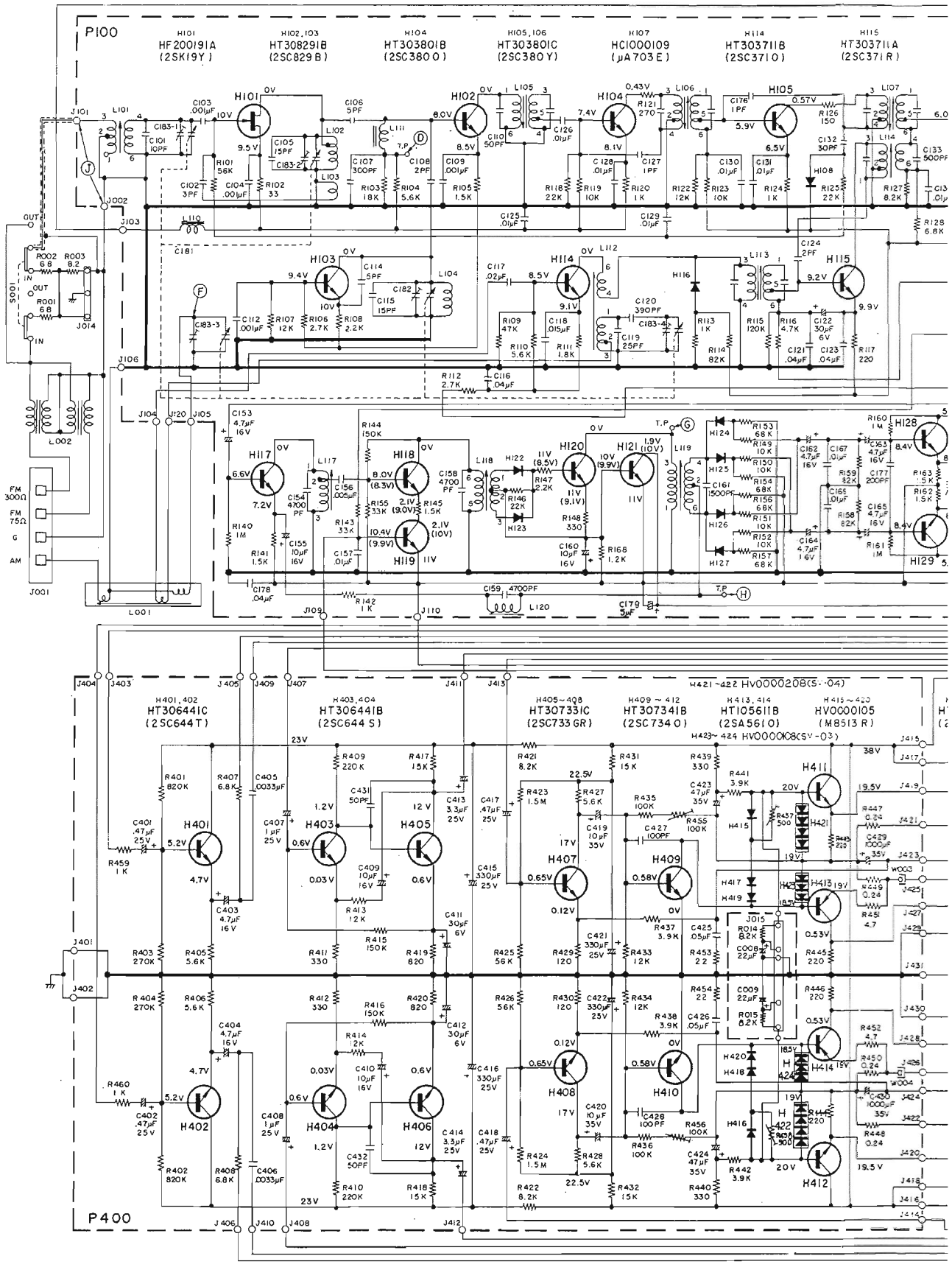


Figure 9 Tape Mon-Loudness-Low Fil-High Fil Circuif



NOTE :
S002 POSITION
1. AM
2. FM
3. PHONO
4. AUX

Figure10 Schematic Diagram of Model 26



1. Voltages are measured at no signal with DC VTVM from common positive ground.
2. Voltages in parethesiss are values measured at 1KμV FM stereo signal applied. Stereo switch in stereo position.

S002-1 ~ S002-3
(ALL SWITCHES VIEWED FROM FRONT AND SHOWN IN EXTREME CLOCKWISE POSITION = 4 AUX)

PARTS LIST

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
A001	2611063012	Escutcheon
A002	2611257012	Vinyl coated Metal Cabinet
A003	2611103012	Pointer
A004	2611265012	Indicator(on Back Plate)
A009	2577273010	Flywheel
A010	2577063022	Escutcheon(upper)
A011	2577063032	Escutcheon(down)
A012	2577067022	Small Knob cap for push button
A013	2577067022	Small Knob cap for push button
A014	2577067022	Small Knob cap for push button
A015	2577067022	Small Knob cap for push button
A016	2577067022	Small Knob cap for push button
A017	2577067022	Small Knob cap for push button
A018	2578067010	Large Knob cap for push button
A019	2578067010	Large Knob cap for push button
A020	2578067010	Large Knob cap for push button
A021	2578067010	Large Knob cap for push button
A022	2578067010	Large Knob cap for push button
A531	2611302010	Dial
A532	2577053012	Stereo Lamp Cover
A533	2577154020	Push switch knob
A534	2577154020	Push switch knob
A535	2577154020	Push switch knob
A541	2577154020	Push switch knob
A542	2577154020	Push switch knob
A543	2577154020	Push switch knob
A544	2578154010	Control Knob
A545	2578154010	Control Knob
A546	2578154010	Control Knob
A547	2578154010	Control Knob
A548	2578154010	Control Knob
B001	2611105012	Bottom Chassis
B002	2611160502	Bracket kits for fitting plate for Front Panel
B008	2611160023	Bracket for Terminal
B009	2611160030	Brcket, front reinforcement for tlywheel side
B010	2611160030	Bracket, rear reinforcement for transformer side
B011	2611160040	Bracket, front reinforcement for headphone Jack side
B012	2611160050	Bracket, rear reinforcement for Variable condenser side
B013	2611257020	Bottom Lid
B014	2611005010	Clamper, fitting for meter
B021	2611160510	Bracket kits, fitting for pulley
B027	2611109010	Shield for audio terminal
B028	2611109020	Shield for Variable condenser
B029	2611109020	Shield for Variable condenser
B030	2611267010	Heat Sink
B031	2611267010	Heat Sink
B032	2611055010	Collar, for VC
B033	2611055010	Collar, for VC
B034	2611055020	Collar, for fitting with ornamental plate
B035	2611055020	Collar, for fitting with ornamental plete
B036	2611109030	Shield, for antenna terminal
B037	2611109020	Shield, for V.C.
B048	2577160170	Bracket for circuit breaker
B041	2577112012	Shaft for Flywheel
B043	2577106500	Bearing kits, flywheel bearing
B047	2578160520	Bracket kits, for fittings with antenna core
B053	71400239Q2	Spring for stereo lamp cover
B054	71400219Q0	Spring, for loosing proof
B055	71101239M0	Spring for Dial stringing clamper
B061	2597160500	Bracket kits for dial stringing
B067	1202258010	Hook for dial stringing
B068	1382005030	Clamper for Lead
B069	1382005030	Clamper for Lead
B070	1382005030	Clamper for Lead
B071	1382005030	Clamper for Lead
B072	1382005030	Clamper for Lead
B073	1382005030	Clamper for Lead
B074	1382005030	Clamper for Lead
B075	1382005030	Clamper for Lead
B076	1382005030	Clamper for Lead
B077	1382005030	Clamper for Lead
B078	1382005030	Clamper for Lead
B501	2611053012	Cover for damage proof
B506	2577106020	Bearing
B507	2577053030	Cover paper for light leakage
B508	2577053040	Cover, for Dial lamp
B509	2577053040	Cover, for Dial lamp
B510	2577118010	Spacer for dial pointer
B511	2577118030	Spacer for light leakage
B512	2577118040	Spacer for light leakage
B513	2577118050	Spacer for light leakage
B514	2577159020	Drum
B515	2577262010	Pulley
B516	2577262010	Pulley
B517	2577262010	Pulley
B520	1271262010	Pulley, Tension pulley
B521	2506057010	Leg
B522	2506057010	Leg
B523	2506057010	Leg
B524	2506057010	Leg
B527	1455259010	Bushing for AC cord
B528	1455259010	Bushing for antenna lead
B529	1415118010	Spacer for Mylar
B530	72081604A0	Dial string
B531	73033010A0	Buffer Pad
B532	73033010A0	Buffer Pad

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
D001	51570305B0	P. H. Tap Screw, for PC board
D002	51570305B0	P. H. Tap Screw, for PC board
D003	51570305B0	Pan Head Tap Screw for P. C. Board
D004	51570305B0	Pan Head Tap Screw for P. C. Board
D005	51570305B0	Pan Head Tap Screw for P. C. Board
D006	51570305B0	Pan Head Tap Screw for P. C. Board
D007 thru D022	51570305B0	Pan Head Tap Screw for P. C. Board
D023	51570305B0	Pan Head Tap Screw for Speaker terminal
D024	51570305B0	Pan Head Tap Screw for Speaker terminal
D025	51570305B0	Pan Head Tap Screw for audio terminal
D026	51570305B0	Pan Head Tap Screw for audio terminal
D027	51570305B0	P. T. Tap Screw for antenna terminal
D028	51570305B0	P. T. Tap Serew for antenna terminal
D029	51570305B0	P. T. Tap Screw for indicating plate
D030	51570305B0	P. T. Tap Screw for indicating plate
D041 thru D057	51570305B0	P. T. Tap Screw
D063	51570308R0	P. T. Tap Screw for Heat Sink
D064	51570308R0	P. T. Tap Screw for Heat Sink
D072	51042608E0	Flat Head Screw affixing for AC Socket
D073 thru D075	51042608E0	Flat Head Screw affixing for AC Socket
D081	51060305E9	P. H. M. Screw
D082	51060305E9	P. H. M. Screw
D083	51060305E9	P. H. M. Screw
D084	51060305E9	P. H. M. Screw
D085	51060305E9	P. H. M. Screw
D086	51060305E9	P. H. M. Screw
D087	51060305E9	P. H. M. Screw
D088	51060305E9	P. H. M. Screw
D089	51060305E9	P. H. M. Screw
D090	51060305E9	P. H. M. Screw
D091	51060305E9	P. H. M. Screw
D092	51060305E9	P. H. M. Screw
D093	51060305E9	P. H. M. Screw
D094	51060305E9	P. H. M. Screw
D095	51060305E9	P. H. M. Screw
D096	51060305E9	P. H. M. Screw
D097	51060305E9	P. H. M. Screw
D098	51060305E9	P. H. M. Screw
D099	51060305E9	P. H. M. Screw
D100	51060305E9	P. H. M. Screw
D101	51060305E9	P. H. M. Screw

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
D102	51060305E9	P. H. M. Screw
D103	51060305E9	P. H. M. Screw
D106	51060305E9	P. H. M. Screw
D107	51060305E9	P. H. M. Screw
D108	51060305E9	P. H. M. Screw
D109	51060305E9	P. H. M. Screw
D110	51060305E9	P. H. M. Screw
D112	51060305E9	P. H. M. Screw
D113	51060305E9	P. H. M. Screw
D121	51060305E9	P. H. M. Screw
D122	51060305E9	P. H. M. Screw
D123	51060305E9	P. H. M. Screw
D124	51060305E9	P. H. M. Screw
D125	51060305E9	P. H. M. Screw
D129	51060308E9	P. H. M. Screw
D130	51060308E9	P. H. M. Screw
D136	51060406E9	P. H. M. Screw
D137	51060406E9	P. H. M. Screw
D138	51060406E9	P. H. M. Screw
D139	51060406E9	P. H. M. Screw
D141	51060408E9	P. H. M. Screw
D142	51060408E9	P. H. M. Screw
D143	51060408E9	P. H. M. Screw
D144	51060408E9	P. H. M. Screw
D146	51060412E9	P. H. M. Screw
D147	51060412E9	P. H. M. Screw
D148	51060412E9	P. H. M. Screw
D149	51060412E9	P. H. M. Screw
D161	51140305E9	O. C. H M. Screw
D162	51140305E9	O. C. H M. Screw
D163	51140305E9	O. C. H M. Screw
D164	51140305E9	O. C. H M. Screw
D165	51140305E9	O. C. H M. Screw
D166	51140305E9	O. C. H M. Screw
D167	51140305E9	O. C. H M. Screw
D167	51140305E9	O. C. H M. Screw
D168	51140305E9	O. C. H M. Screw
D171	53112603E0	Hexagon Nut
D172	53112603E0	Hexagon Nut
D173	53112603E0	Hexagon Nut
D174	53112603E0	Hexagon Nut
D176	53110303E9	Hexagon Nut
D177	53110303E9	Hexagon Nut
D180	53110403E9	Hexagon Nut
D181	53110403E9	Hexagon Nut
D182	53110403E9	Hexagon Nut
D183	53110403E9	Hexagon Nut
D184	53110403E9	Hexagon Nut
D185	53110403E9	Hexagon Nut
D186	53110403E9	Hexagon Nut
D187	53110403E9	Hexagon Nut
D188	53110403E9	Hexagon Nut
D201	51122608E0	T. H. M. Screw
D202	51122608E0	T. H. M. Screw
D206	51100406S9	B. H. M. Screw
D207	51100406S9	B. H. M. Screw
D208	51100406S9	B. H. M. Screw
D209	51100406S9	B. H. M. Screw
D211	54052600R0	T. L. Washer OR
D212	54052600R0	T. L. Washer OR
D213	54052600R0	T. L. Washer OR
D214	54052600R0	T. L. Washer OR

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
D191	53110603E0	Hexagon Nut
D216	54040302N0	Spring Washer
D217	54040302N0	Spring Washer
D220	54040402N0	Spring Washer
D221	54040402N0	Spring Washer
D222	54040402N0	Spring Washer
D223	54040402N0	Spring Washer
D224	54040402N0	Spring Washer
D225	54040402N0	Spring Washer
D226	54040402N0	Spring Washer
D227	54040402N0	Spring Washer
D228	54040402N0	Spring Washer
D229	54040402N0	Spring Washer
D230	54040402N0	Spring Washer
D231	54040402N0	Spring Washer
D232	54040402N0	Spring Washer
D241	54040602B0	Spring Washer
D245	54050300R0	T. L. Sasher OR
D246	54050300R0	T. L. Sasher OR
D249	54050400R0	T. L. Sasher OR
D252	54020401S0	Flat Washer P
D253	54020401S0	Flat Washer P
D254	54020401S0	Flat Washer P
D255	54020401S0	Flat Washer P
D258	62041760W0	Lug
D261	5164041209	Set Screw C. P.
D263	5165030409	Set Screw H. P.
D264	51650304D9	Set Screw H. P.
D267	64002400R0	RG Ring E
D268	64002400R0	RG Ring E
D269	64002400R0	RG Ring E
D270	64002400R0	RG Ring E
D272	56382040G0	Eyelet
P100	YD26110010	PC Board, FM/AM/MPX Front End
R101	RT10563140	56KΩ ±10% 1/4W, Carbon Film
R102	RT10330140	33Ω ±10% 1/4W , Carbon Film
R103	RT10183140	18KΩ ±10% 1/4W, Carbon Film
R104	RT10562140	5.6KΩ ±10% 1/4W , Carbon Film
R105	RT10152140	1.5KΩ ±10% 1/4W , Carbon Film
R106	RT10272140	2.7KΩ ±10% 1/4W , Carbon Film
R107	RT10223140	22KΩ ±10% 1/4W, Carbon Film
R108	RT10122140	1.2KΩ ±10% 1/4W , Carbon Film
R109	RT10273140	27KΩ ±10% 1/4W, Carbon Film
R110	RT10562140	5.6KΩ ±10% 1/4W , Carbon Film
R111	RT10222140	2.2KΩ ±10% 1/4W , Carbon Film
R112	RT10272140	2.7KΩ ±10% 1/4W , Carbon Film
R113	RT10102140	1KΩ ±10% 1/4W, Carbon Film
R114	RT10473140	47KΩ ±10% 1/4W, Carbon Film
R115	RT10124140	120KΩ ±10% 1/4W, Carbon Film
R116	RT10472140	4.7KΩ ±10% 1/4W , Carbon Film
R117	RT10221140	220Ω ±10% 1/4W , Carbon Film
R118	RT10223140	22KΩ ±10% 1/4W, Carbon Film
R119	RT10103140	10KΩ ±10% 1/4W, Carbon Film
R120	RT10152140	1.5KΩ ±10% 1/4W, Carbon Film
R121	RT10271140	270Ω ±10% 1/4W , Carbon Film
R122	RT10183140	18KΩ ±10% 1/4W, Carbon Film
R123	RT10103140	10KΩ ±10% 1/4W, Carbon Film
R124	RT10102140	1KΩ ±10% 1/4W , Carbon Film
R125	RT10223140	22KΩ ±10% 1/4W, Carbon Film
R126	RT10151140	150Ω ±10% 1/4W , Carbon Film
R127	RT10153140	15KΩ ±10% 1/4W, Carbon Film
R128	RT10682140	6.8KΩ ±10% 1/4W , Carbon Film
R129	RT10102140	1KΩ ±10% 1/4W , Carbon Film
R130	RT10271140	270Ω ±10% 1/4W , Carbon Film
R131	RT10822140	8.2KΩ ±10% 1/4W , Carbon Film
R132	RT10562140	5.6KΩ ±10% 1/4W , Carbon Film
R133	RT10470140	47Ω ±10% 1/4W , Carbon Film
R134	RT10102140	1KΩ ±10% 1/4W , Carbon Film
R135	RT10102140	1KΩ ±10% 1/4W , Carbon Film
R136	RT10682140	6.8KΩ ±10% 1/4W , Carbon Film
R137	RT10682140	6.8KΩ ±10% 1/4W , Carbon Film
R138	RT10101140	100Ω ±10% 1/4W , Carbon Film
R139	RT10222140	2.2KΩ 1010% 1/4 , Carbon Film
R140	RT10105140	1MΩ ±10% 1/4W , Carbon Film
R141	RT10152140	1.5KΩ ±10% 1/4W , Carbon Film
R142	RT10102140	1KΩ ±10% 1/4W , Carbon Film
R143	RT10333140	33KΩ ±10% 1/4W , Carbon Film
R144	RT10105140	1MΩ ±10% 1/4W , Carbon Film
R145	RT10152140	1.5KΩ ±10% 1/4W , Carbon Film
R146	RT10223140	22KΩ ±10% 1/4W , Carbon Film
R147	RT10222140	2.2KΩ ±10% 1/4W , Carbon Film
R148	RT10331140	330Ω ±10% 1/4W , Carbon Film
R149	RT10103140	10KΩ ±10% 1/4W , Carbon Film
R150	RT10103140	10KΩ ±10% 1/4W , Carbon Film
R151	RT10103140	10KΩ ±10% 1/4W , Carbon Film
R152	RT10103140	10KΩ ±10% 1/4W , Carbon Film
R153	RT10683140	68KΩ ±10% 1/4W , Carbon Film
R154	RT10683140	68KΩ ±10% 1/4W , Carbon Film
R156	RT10683140	68K ohm ±10% 1/4W , Carbon Film
R157	RT10683140	68K ohm ±10% 1/4W , Carbon Film
R158	RT10823140	82K ohm ±10% 1/4W , Carbon Film
R159	RT10823140	82K ohm ±10% 1/4W , Carbon Film
R160	RT10105140	1M ohm ±10% 1/4W , Carbon Film
R161	RT10105140	1M ohm ±10% 1/4W , Carbon Film
R162	RT10152140	1.5K ohm ±10% 1/4W , Carbon Film
R163	RT10152140	1.5K ohm ±10% 1/4W , Carbon Film
R164	RT10562140	5.6K ohm ±10% 1/4W , Carbon Film
R165	RT10562140	5.6K ohm ±10% 1/4W , Carbon Film
R166	RT10562140	5.6K ohm ±10% 1/4W , Carbon Film
R167	RT10562140	5.6K ohm ±10% 1/4W , Carbon Film
R175	RA05020050	5K ohm (B) ±20%, Trimmer
C101	DD12100010	10pF ±1pF, Ceramic
C102	DD12030010	3pF ±1pF, Ceramic
C103	DK17102010	0.001uF ±20%, Ceramic
C104	DK17102010	0.001uF ±20%, Ceramic
C105	DD16150010	15pF ±10% Ceramic
C106	DD12050010	5pF ±1pF, Ceramic
C107	DD15301012	300pF ±5%, Ceramic
C108	DD11020040	2pF ±0.5pF, Ceramic
C109	DK17102010	0.001uF ±20%, Ceramic
C110	DD25500010	50pF ±5%, Ceramic
C111	DD12030010	3pF ±1pF Ceramic
C112	DK17102010	0.001uF ±20%, Ceramic
C113	DD15400040	40pF ±5%, Ceramic
C114	DD11050020	5pF ±10%, Ceramic
C115	DD16150040	15pF ±10%, Ceramic
C116	DK18403010	0.04uF +100%−0%, Ceramic
C117	DF17223010	0.02uF ±20%, Myler
C118	DK17103010	0.01uF ±20%, Ceramic
C119	DD16250010	25pF ±10%, Ceramic
C120	DF65391500	390pF ±5%, Poly
C121	DK18403020	0.04uF +100% -0%, Ceramic
C122	EA33600610	6V 30uF +100% -20%, Elect

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
C123	DK18403010	0.04uF +100% -0%, Ceramic
C124	DD10010010	1pF ±0.25pF, Ceramic
C125	DK17103010	0.01uF ±20%, Ceramic
C126	DK17103010	0.01uF ±20%, Ceramic
C127	DD10010010	1pF ±0.25%, Ceramic
C128	DK17103010	0.01uF ±20%, Ceramic
C129	DK17103010	0.01uF ±20%, Ceramic
C130	DK17103010	0.01uF ±20%, Ceramic
C131	DK17103010	0.01uF ±20%, Ceramic
C132	DD16300010	30pF ±10%, Ceramic
C133	DD16501010	500pF ±10%, Ceramic
C134	DK17103010	0.01uF ±20%, Ceramic
C135	DK17103010	0.01uF ±20%, Ceramic
C136	DD10015010	1.5pF ±0.25pF, Ceramic
C137	DD15301010	300pF ±5%, Ceramic
C138	DK18403010	0.04uF +100% -0%, Ceramic
C139	DK17502010	0.005uF ±20%, Ceramic
C140	DK17103010	0.01uF ±20%, Ceramic
C141	DK17103010	0.01uF ±20%, Ceramic
C142	DF17472010	0.005uF ±20%, Myler
C143	DF17472010	0.005uF ±20%, Myler
C144	DK17103010	0.01uF ±20%, Ceramic
C145	DK18403010	0.04uF +100% -0%, Ceramic
C146	EA22701640	16V 220uF +100% -20%, Elect.
C147	DK18403010	0.04uF +100% -20%, Ceramic
C148	EA47501620	16V 4.7uF, Elect.
C149	DD16201010	200pF ±20%, Ceramic
C150	DD16201010	200pF ±20%, Ceramic
C151	DD16201010	200pF ±20%, Ceramic
C152	DK18403010	0.04uF +100% -20%, Ceramic
C153	EA47501620	16V 4.7uF, Elect.
C154	DF55472010	4700pF ±5%, Poly.
C155	EA10601620	16V 10uF, Elect.
C156	DK17502010	0.005uF ±20%, Ceramic
C157	DK17103010	0.01uF ±20%, Ceramic
C158	DF55472010	4700pF ±5%, Poly.
C159	DF55472010	4700pF ±5%, Poly.
C160	EA10601620	16V 10uF, Elect.
C161	DF16152010	1500pF ±10%, Myler
C162	EA47501620	16V 4.7uF, Elect.
C163	EA47501620	16V 4.7uF, Elect.
C164	EA47501620	16V 4.7uF, Elect.
C165	EA47501620	16V 4.7uF, Elect.
C166	DF17223010	0.02uF ±20%, Myler
C167	DF17223010	0.02uF ±20%, Myler
C168	EA47405010	50V 0.47uF, Elect.
C169	EA47405010	50V 0.47uF Elect.
C170	DF16332010	0.0033uF ±10%, Myler.
C171	DF16332010	0.0033uF ±10%, Myler.
C172	DF16332010	0.0033uF ±10%, Myler.
C173	DF16332010	0.0033uF ±10%, Myler.
C174	DF16332010	0.0033uF ±10%, Myler.
C175	DF16332010	0.0033uF ±10%, Myler.
C181	CA32000100	FM3G AM2G, Variable
C182	CT11000010	Trimmer
C183	CT41300010	Trimmer
H101	HF200191A0	2SK19Y, FET
H102	HT308291B0	2SC829B, Transistor
H103	HT308291B0	2SC829B, Transistor
H104	HT303801B0	2SC800, Transistor
H105	HT303801C0	2SC380Y, Transistor
H106	HT303801C0	2SC380Y, Transistor
H107	HC10001090	UA703E, Transistor
H108	HD10001050	1N60, Diode
H109	HD10001050	1N60, Diode
H110	HD10001050	1N60, Diode
H111	HD10001050	1N60, Diode
H112	HD10001050	1N60, Diode
H114	HT303711B0	2SC3710, Tansistor
H115	HT303711A0	Transistor 2SC371R
H116	HD10001050	Diode, 1N60
H117	HT307331C0	Transistor, 2SC733
H118	HT30373100	Transistor, 2SC373
H119	HT30373100	Transistor, 2SC373
H120	HT30373100	Transistor, 2SC373
H121	HT30373100	Transistor, 2SC373
H122	HD10001050	Diode, 1N 60
H123	HD10001050	Diode, 1N60
H124	HD10001050	Diode, 1N60
H125	HD10001050	Diode, 1N60
H126	HD10001050	Diode, 1N60
H127	HD10001050	Diode, 1N60
H128	HT306441B0	Transistor, 2SC644S
H129	HT306441B0	Transistor, 2SC644S
L101	LA10046060	Ant. Coil, FM Ant. Coil
L102	LK10505060	Coil, FM RF Coil
L103	LL20505050	Coil, FM RF Coil
L104	LK10505050	Coil, FM OSC Coil
L105	LI14016150	IFT, FM IFT 1
L106	LI14016170	IFT, FM IFT 2
L107	LI14016170	IFT, FM IFT 3
L108	LI14016180	IFT, FM IFT 4
L109	LI14016043	IFT, FM IFT 5
L110	LC16820010	Choke Coil, 6.8uH
L111	LC16810010	Choke Coil, 0.68uH
L112	LO10010340	OSC Coil, AM OSC Coil
L113	LI14010020	IFT, AM IFT 1
L114	LI10010130	IFT, AM IFT 2
L115	LI10010480	IFT, AM IFT 3
L116	LC16820010	Choke Coil, 6.8uH
L117	LS10010010	MPX Coil, 19KC
L118	LS10010020	MPX Coil, 19Kc. Double
L119	LS10010030	MPX Coil, 38Kc
L120	LS10010050	MPX Coil, 67Kc
L121	LC22260010	Choke Coil, 22MH
L122	LC22260010	Choke Coil, 22MH
J101	YP10000360	Plug,
J102	YP10000360	Plug,
J103	YP10000360	Plug,
J104	YP10000360	Plug,
J105	YP10000360	Plug,
J106	YP10000360	Plug,
J107	YP10000360	Plug,
J108	YP10000360	Plug,
J109	YP10000360	Plug,
J110	YP10000360	Plug,
J111	YP10000360	Plug,
J112	YP10000360	Plug,
J113	YP10000360	Plug,
J114	YP10000360	Plug,
J115	YP10000360	Plug,
J116	YP10000360	Plug,
J117	YP10000360	Plug,
J118	YP10000360	Plug,

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
J119	YP10000360	Plug,
J120	YP10000360	Plug,
P200	YD26110020	PC Board, Meter Amp.
H201	HT303801B	Transistor, 2SC3800
H202	HD10001050	Diode, 1N60
H203	HD10001050	Diode, 1N60
L201	LI10156060	IFT, 10.7MHz. Amp.
R201	RT10223140	22K ohm ±10%, Carbon Film
R202	RT10103140	10K ohm ±10%, Carbon Film
R203	RT10102140	1K ohm ±10%, Carbon Film
R204	RT10272140	2.7K ohm ±10%, Carbon Film
R205	RT10182140	1.8K ohm ±10%, Carbon Film
C201	DK17103010	0.01uF ±20%, Ceramic
C202	DD16201010	200pF ±20%, Ceramic
C203	DK18403010	0.04uF +100%, -0%, Ceramic
C204	DK18403010	0.04uF +100%, -0%, Ceramic
C205	DK18403010	0.04uF +100%, -0%, Ceramic
J201	YP10000360	Plug
J202	YP10000360	Plug
J203	YP10000360	Plug
J204	YP10000360	Plug
J205	YP10000360	Plug
J206	YP10000360	Plug
J207	YP10000360	Plug
P300	YD26110030	PC Board, Phono Amp.
R301	RT10683140	68K ohm ±10% 1/4W, Carbon Film
R302	RT10683140	68K ohm ±10% 1/4W, Carbon Film
R303	RN10224140	220K ohm ±10% 1/4W, Carbon Film
R304	RN10224140	220K ohm ±10% 1/4W, Carbon Film
R305	RT10331140	330 ohm ±10% 1/4W, Carbon Film
R306	RT10331140	330 ohm ±10% 1/4W, Carbon Film
R307	RN10154140	150K ohm ±10% 1/4W, Carbon Film
R308	RN10154140	150K ohm ±10% 1/4W, Carbon Film
R309	GT05184120	180K ohm ±5% 1/2W, Carbon Film
R310	GT05184120	180K ohm ±5% 1/2W, Carbon Film
R311	GT05153120	15K ohm ±10% 1/2W, Carbon Film
R312	GT05153120	15K ohm ±5% 1/2W, Carbon Film
R315	RT10223140	22K ohm ±10% 1/4W, Carbon Film
R316	RT10223140	22K ohm ±10% 1/4W, Carbon Film
R317	RN10153140	15K ohm ±10% 1/4W, Carbon Film
R318	RN10153140	15K ohm ±10% 1/4W, Carbon Film
R319	RT10821140	820 ohm ±10%, 1/4W, Carbon Film
R320	RT10821140	820 ohm ±10%, 1/4W, Carbon Film
R321	RT10822140	8.2K ohm ±10%, 1/4W, Carbon Film
C301	EV33502510	3.3uF 25V, Elect.
C302	EV33502510	3.3uF 25V, Elect.
C303	EA10702520	100uF 25V, Elect.
C304	EA10702520	100uF 25V, Elect.
C305	DF55183010	0.018uF ±5% 50V,Poly.
C306	DF55183010	0.018uF ±5% 50V, Poly.
C307	DF55472010	4700pF ±5% 50V, Poly.
C308	DF55472010	4700pF ±5% 50V, Poly.
C309	DD16470010	47pF ±10%, Ceramic
C310	DD16470010	47pF ±10%, Ceramic
C311	EA10603510	10uF 35V, Elect.
C312	EA10603510	10uF 35V, Elect.
C313	EA33600610	33uF 6V, Elect.
C314	EA33600610	33uF 6V, Elect.
C315	EA22702520	220uF 25V, Elect.
J301	YP10000360	Plug
J302	YP10000360	Plug
J303	YP10000360	Plug

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
J304	YP10000360	Plug
J305	YP10000360	Plug
J306	YP10000360	Plug
H301	HT306441B0	Transistor, 2SC644 (S)
H302	HT306441B0	Transistor, 2SC644 (S)
H303	HT306441A0	Transistor, 2SC644 (R)
H304	HT306441A0	Transistor, 2SC644 (R)
P400	~~YD26110040~~	PC Board 222-6110-042 Complete
R401	RN10824140	820K ohm ±10% 1/4W, Carbon Film
R402	RN10824140	820K ohm ±10% 1/4W, Carbon Film
R403	RN10274140	270K ohm ±10% 1/4W, Carbon Film
R404	RN10274140	270K ohm ±10% 1/4W, Carbon Film
R405	RT10562140	5.6K ohm ±10% 1/4W, Carbon Film
R406	RT10562140	5.6K ohm ±10% 1/4W, Carbon Film
R407	RT10682140	6.8K ohm ±10% 1/4W, Carbon Film
R408	RT10682140	6.8K ohm ±10% 1/4W, Carbon Film
R409	RN10223140	220K ohm ±10% 1/4W, Carbon Film
R410	RN10224140	220K ohm ±10% 1/4W, Carbon Film
R411	RT10331140	330 ohm ±10% 1/4W, Carbon Film
R412	RT10331140	330 ohm ±10% 1/4W, Carbon Film
R413	RT10123140	12K ohm ±10% 1/4W, Carbon Film
R414	RT10123140	12K ohm ±10% 1/4W, Carbon Film
R415	RN10154140	150K ohm ±10% 1/4W, Carbon Film
R416	RN10154140	150K ohm ±10% 1/4W, Carbon Film
R417	RN10153140	15K ohm ±10% 1/4W, Carbon Film
R418	RN10153140	15K ohm ±10% 1/4W, Carbon Film
R419	RT10821140	820 ohm ±10% 1/4W, Carbon Film
R420	RT10821140	820 ohm ±10% 1/4W, Carbon Film
R421	RT10822140	8.2K ohm ±10% 1/4W, Carbon Film
R422	RT10822140	8.2K ohm ±10% 1/4W, Carbon Film
R423	RN10155140	1.5M ohm ±10% 1/4W, Carbon Film
R424	RN10155140	1.5M ohm ±10% 1/4W, Carbon Film
R425	RN10593140	56K ohm ±10% 1/4W, Carbon Film
R426	RN10593140	56K ohm ±10% 1/4W, Carbon Film
R427	RT10592140	5.6K ohm ±10% 1/4W, Carbon Film
R428	RT10592140	5.6K ohm ±10% 1/4W, Carbon Film
R429	RT10121140	120 ohm ±10% 1/4W, Carbon Film
R430	RT10121140	120 ohm ±10% 1/4W, Carbon Film
R431	RT10153140	15K ohm ±10% 1/4W, Carbon Film
R432	RT10153140	15K ohm ±10% 1/4W, Carbon Film
R433	RT10123140	12K ohm ±10% 1/4W, Carbon Film
R434	RT10123140	12K ohm ±10% 1/4W, Carbon Film
R435	RT10154140	150K ohm ±10% 1/4W, Carbon Film
R436	RT10154140	150K ohm ±10% 1/4W, Carbon Film
R437	RT10392140	3.9K ohm ±10% 1/4W, Carbon Film
R438	RT10392140	3.9K ohm ±10% 1/4W, Carbon Film
R439	RC10331120	330 ohm ±10% 1/4W, Solid
R440	RC10331120	330 ohm ±10% 1/4W, Solid
R441	RC10392120	3.9K ohm ±10% 1/4W, Solid
R442	RC10392120	3.9K ohm ±10% 1/4W, Solid
R443	RC10221120	220 ohm ±10% 1/4W, Solid
R444	RC10221120	220 ohm ±10% 1/4W, Solid
R445	RC10221120	220 ohm ±10% 1/4W, Solid
R446	RC10221120	220 ohm ±10% 1/4W, Solid
R447	GW10502020	0.5 ohm ±10% 1/4W, Solid
R448	GW10502020	0.5 ohm ±10% 1/4W, Solid
R449	GW10502020	0.5 ohm ±10% 1/4W, Solid
R450	GW10502020	0.5 ohm ±10% 1/4W, Solid
R451	RC10047120	4.7 ohm ±10% 1/4W, Solid
R452	RC10047120	4.7 ohm ±10% 1/4W, Solid
R453	RC10220120	22 ohm ±10% 1/2W, Solid
R454	RC10220120	22 ohm ±10% 1/2W, Solid

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
R455	RA01040060	100K ohm, Trimmer
R456	RA01040060	100K ohm, Trimmer
R457	RA01020010	1K ohm, Trimmer
R458	RA01020010	1K ohm, Trimmer
C401	EM47402510	5uF 25V, Elect.
C402	EM47402510	5uF 16V, Elect.
C403	EA47501620	4.7uF 16V, Elect.
C404	EA47501620	4.7uF 16V, Elect.
C405	DF17332010	0.0033uF ±20%, Myler
C406	DF17332010	0.0033uF ±20%, Myler
C407	EV10502510	1uF 25V, Elect.
C408	EV10502510	1uF 25V, Elect.
C409	EA10601620	10uF 16V, Elect.
C410	EA10601620	10uF 16V, Elect.
C411	EA33600610	30uF 6V, Elect.
C412	EA33600610	30uF 6V, Elect.
C413	EV33502510	3.3uF 25V, Elect.
C414	EV33502510	3.3uF 25V, Elect.
C415	EA33702510	330uF 25V, Elect.
C416	EA33702510	330uF 25V, Elect.
C417	EV33502510	3.3uF 25V, Elect.
C418	EV33502510	3.3uF 25V, Elect.
C419	EA10603510	10uF 35V, Elect.
C420	EA10603510	10uF 35V, Elect.
C421	EA33702510	330uF 25V, Elect.
C422	EA33702510	330uF 25V, Elect.
C423	EA47603520	47uF 35V, Elect.
C424	EA47603520	47uF 35V, Elect.
C425	DG07503500	0.5uF ±20%, MP
C426	DG07503500	0.5uF ±20%, MP
C427	DF36101010	100pF ±10%, Mica
C428	DF36101010	100pF ±10%, Mica
C429	EB10803510	1000uF 35V, Elect.
C430	EB10803510	1000uF 35V, Elect.
C431	DD16500010	50pF ±10%, Ceramic
C432	DD16500010	50pF ±10%, Ceramic
J401	YP10000360	Plug
J402	YP10000360	Plug
J403	YP10000360	Plug
J404	YP10000360	Plug
J405	YP10000360	Plug
J406	YP10000360	Plug
J407	YP10000360	Plug
J408	YP10000360	Plug
J409	YP10000360	Plug
J410	YP10000360	Plug
J411	YP10000360	Plug
J412	YP10000360	Plug
J413	YP10000360	Plug
J414	YP10000360	Plug
J415	YP10000360	Plug
J416	YP10000360	Plug
J417	YP10000360	Plug
J418	YP10000360	Plug
J419	YP10000360	Plug
J420	YP10000360	Plug
J421	YP10000360	Plug
J422	YP10000360	Plug
J423	YP10000360	Plug
J424	YP10000360	Plug
J425	YP10000360	Plug
J426	YP10000360	Plug

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
J427	YP10000360	Plug
J428	YP10000360	Plug
J429	YP10000360	Plug
J430	YP10000360	Plug
J431	YP10000360	Plug
W003	YW25430110	Wiring material
W004	YW25430120	Wiring material
H401	HT306441C0	Transistor, 2SC644(T)
H402	HT306441C0	Transistor, 2SC644(T)
H403	HT306441B0	Transistor, 2SC644(S)
H404	HT306441B0	Transistor, 2SC644(S)
H405	HT307331C0	Transistor, 2SC733(GR)
H406	HT307331C0	Transistor, 2SC733(GR)
H407	HT307331C0	Transistor, 2SC733(GR)
H408	HT307331C0	Transistor, 2SC733(GR)
H409	HT307341B0	Transistor, 2SC734(O)
H410	HT307341B0	Transistor, 2SC734(O)
*H411	HT307341B0	Transistor, 2SC734(O)
*H412	HT307341B0	Transistor, 2SC734(O)
*H413	HT105611B0	Transistor, 2SA561(O)
*H414	HT105611B0	Transistor, 2SA561(O)
H415	HV00001050	Varistor, M8513(R)
H416	HV00001050	Varistor, M8513(R)
H417	HV00001050	Varistor, M8513(R)
H418	HV00001050	Varistor, M8513(R)
H419	HV00001050	Varistor, M8513(R)
H420	HV00001050	Varistor, M8513(R)
P500	YD26110050	P. C. Board
R501	RC10271010	270 ohm ±10% 1W, Solid
R502	RC10221010	220 ohm ±10% 1W, Solid
C501	EA22701050	220 uF 10V, Elect.
C502	EA47701620	470 uF 16V, Elect.
C503	EB33805010	3300 uF 50V, Elect.
C504	EA47702520	470 uF 25V, Elect.
C505	DG07103500	0.01 uF ±20%, M. P.
C506	DG07103500	0.01 uF ±20%, M. P.
C507	EA47703510	470 uF 35V, Elect.
J501	YP10000360	Plug
J502	YP10000360	Plug
J503	YP10000360	Plug
J504	YP10000360	Plug
J505	YP10000360	Plug
J506	YP10000360	Plug
J507	YP10000360	Plug
J508	YP10000360	Plug
J509	YP10000360	Plug
J510	YP10000360	Plug
J511	YP10000360	Plug
J512	YP10000360	Plug
H501	HD30001090	Diode, 1S336
H502	HD20003010	Diode, HR-5A
H503	HD20003010	Diode, HR-5A
H504	HD20003010	Diode, HR-5A
H505	HD20001100	Diode, 1S665
H506	HD20001100	Diode, 1S665
H507	HD20001100	Diode, 1S665
H508	HD20001100	Diode, 1S665
P600	YD26110060	P. C. Board
R601	RT10682140	6.8K ±10% 1/4W, Carbon Film
R602	RT10682140	6.8K ±10% 1/4W, Carbon Film
R603	RT10223140	22K ±10% 1/4W, Carbon Film
R604	RT10223140	22K ±10% 1/4W, Carbon Film

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
R605	RT10222140	2.2K ±10%,1/4W, Carbon Film
R606	RT10222140	2.2K ±10%,1/4W, Carbon Film
R607	RT10222140	2.2K ±10%,1/4W, Carbon Film
R608	RT10222140	2.2K ±10%,1/4W, Carbon Film
R609	RN10474140	470K ±10%,1/4W, Carbon Film
R610	RN10474140	470K ±10%,1/4W, Carbon Film
R611	RN10474140	470K ±10%,1/4W, Carbon Film
R612	RN10474140	470K ±10%,1/4W, Carbon Film
R613	RT10103140	10K ±10% 1/4W, Carbon Film
R614	RT10103140	10K ±10% 1/4W, Carbon Film
C601	DF17403010	0.04 uF ±20%, Myler
C602	DF17403010	0.04 uF ±20%, Myler
C603	DF65501010	500 pF ±5%, Poly
C604	DF65501010	500 pF ±5%, Poly
C605	DF17403010	0.04 uF ±20%, Myler
C606	DF17403010	0.04 uF ±20%, Myler
C607	DF17403010	0.04 uF ±20%, Myler
C608	DF17403010	0.04 uF ±20%, Myler
C609	DF17332010	0.03 uF ±20%, Myler
C610	DF17332010	0.03 uF ±20%, Myler
*S601	SP04040012	Push switch S601-1, Loudness S601-3, Low Fil S601-2, Hi Fil S601-4, Tape Mon
J601	YP10000360	Plug
J602	YP10000360	Plug
J603	YP10000360	Plug
J604	YP10000360	Plug
J605	YP10000360	Plug
J606	YP10000360	Plug
J607	YP10000360	Plug
J608	YP10000360	Plug
J609	YP10000360	Plug
J610	YP10000360	Plug
J611	YP10000360	Plug
J612	YP10000360	Plug
R001	RC05680120	68 ohm 1/2W ±5%, Resistor Solid
R002	RC05680120	68 ohm 1/2W ±5%, Resistor Solid
R003	RC05082120	8.2 ohm 1/2W ±5%, Resistor Solid
R005	RT10272140	2.7K ohm 1/4W ±5%, Resistor Caron Film
R006	RT10272140	2.7K ohm 1/4W ±5%, Resistor Caron Film
R007	RT10122140	1.2K ohm 1/4W ±5%, Resistor Caron Film
R008	RT10122140	1.2K ohm 1/4W ±5%, Resistor Caron Film
R009	RC10471120	470 ohm 1/2W ±5%, Resistor Solid
R010	RC10471120	470 ohm 1/2W ±5%, Resistor Solid
R011	RT10225010	2.2M ohm 1W ±5%, Resistor Carbon
*R016	RM01040020	100K ohm (A) ±20%, Variable
*R017	RK02030010	20K ohm, Variable
*R018	RM05030110	50K ohm, Variable
*R019	RM05030110	50K ohm, Variable
C001	EA10700650	6V100uF +100% -0%, Elect
C004	DF17332010	0.033uF ±20%, Myler
C005	DF17332010	0.033uF ±20%, Myler
C006	DF17224020	0.22uF ±20%, Myler
C007	DF17224020	0.22uF ±20%, Myler
J001	YT03040020	Ant. Terminal
J002	YT02080020	Audio U. S. Jack
J003	YT03040020	Output Terminal
J004	YJ01000550	Head Phone Jack
J005	YF04000320	AC Socket
J006	YJ04000320	AC Socket
J008	YL01030020	3P Lug
J009	YT01010030	G. Terminal
J010	YJ02000100	Lamp Socket
J011	YJ02000010	Lamp Socket
J012	YJ02000090	Lamp Socket
J013	YJ02000070	Stereo Lam Socket
J014	YL01030010	Ant.
M001	IN10024060	Tuning Meter
*M002	IN10080010	Stereo Beacon
*M003	IN10060030	Pilot lamp
*M004	IN10060030	Pilot lamp
*M005	IN10060030	Pilot lamp
S001	SS02020170	FM ANT. ATT Switch
S002	SR05040010	Rotary Switch
*S003	SP04010072	Stereo, Mono Switch
*S004	SP04010062	Power Switch
F001	FR10100040	Cir Cvit Breaker
H001	HT401301B0	Power Tr. 2SD130(Y)
H002	HT401301B0	Power Tr. 2SD130(Y)
H003	HT401301B0	Power Tr. 2SD130(Y)
H004	HT401301B0	Power Tr. 2SD130(Y)
L001	LF11400360	AM ANT. Coil
L002	LB30075250	FM Balun coil
L003	TS19001010	Power Trans.
W001	YC02400010	Power Cord

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PRINTED IN JAPAN

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MODEL 26 REVISED SERVICE MANUAL

This Service Manual is the first revised edition for model 26.
Included in this service manual are schematic diagram and indivisual parts list.
On the circuit description alignment method and repairing hints, refer to the original service manual.

TABLE OF CONTENTS

Schematic Diagram 1
Parts List 2

MARANTZ COMPANY, INC., A SUBSIDIARY OF SUPERSCOPE INCORPORATED

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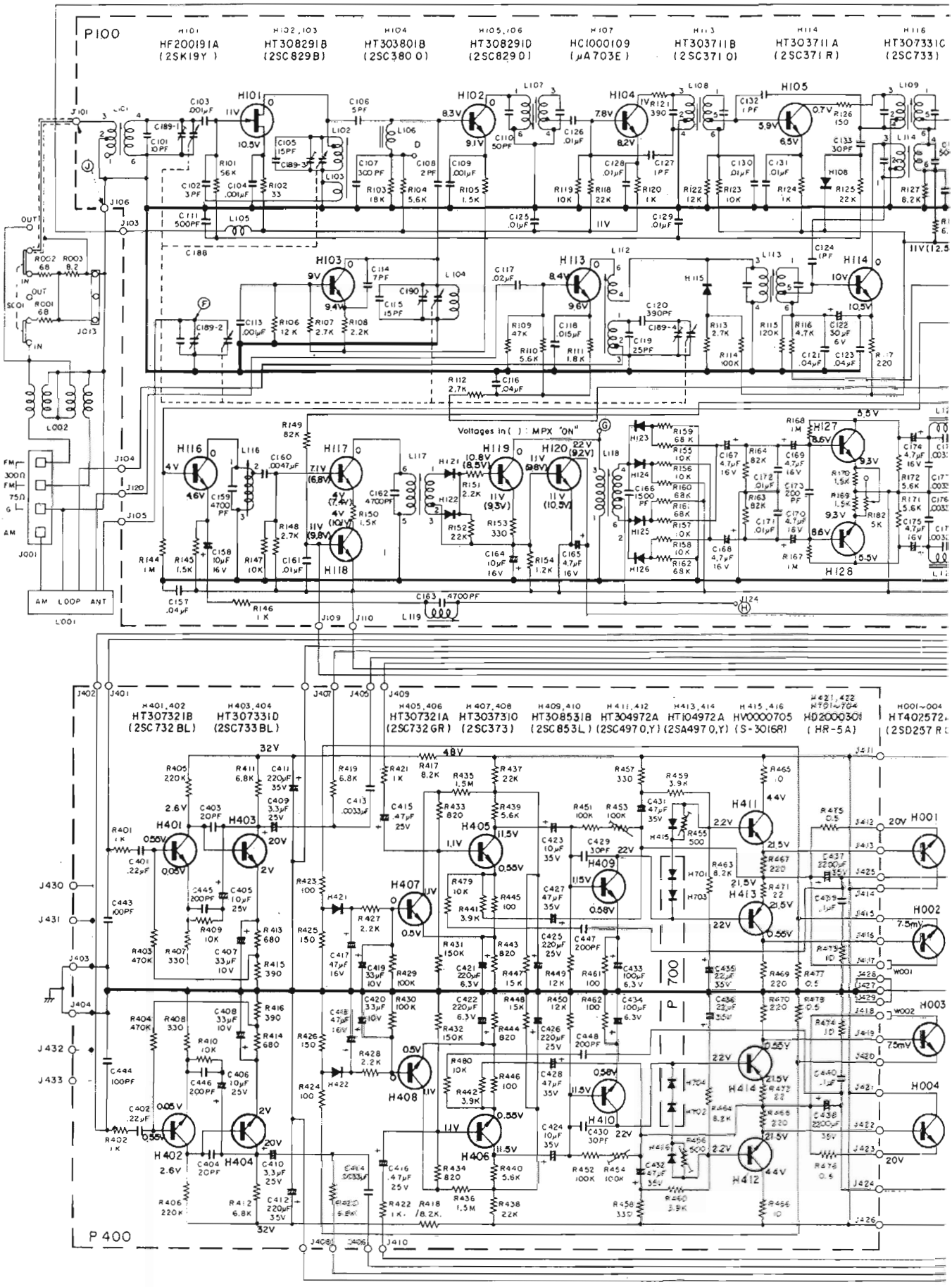
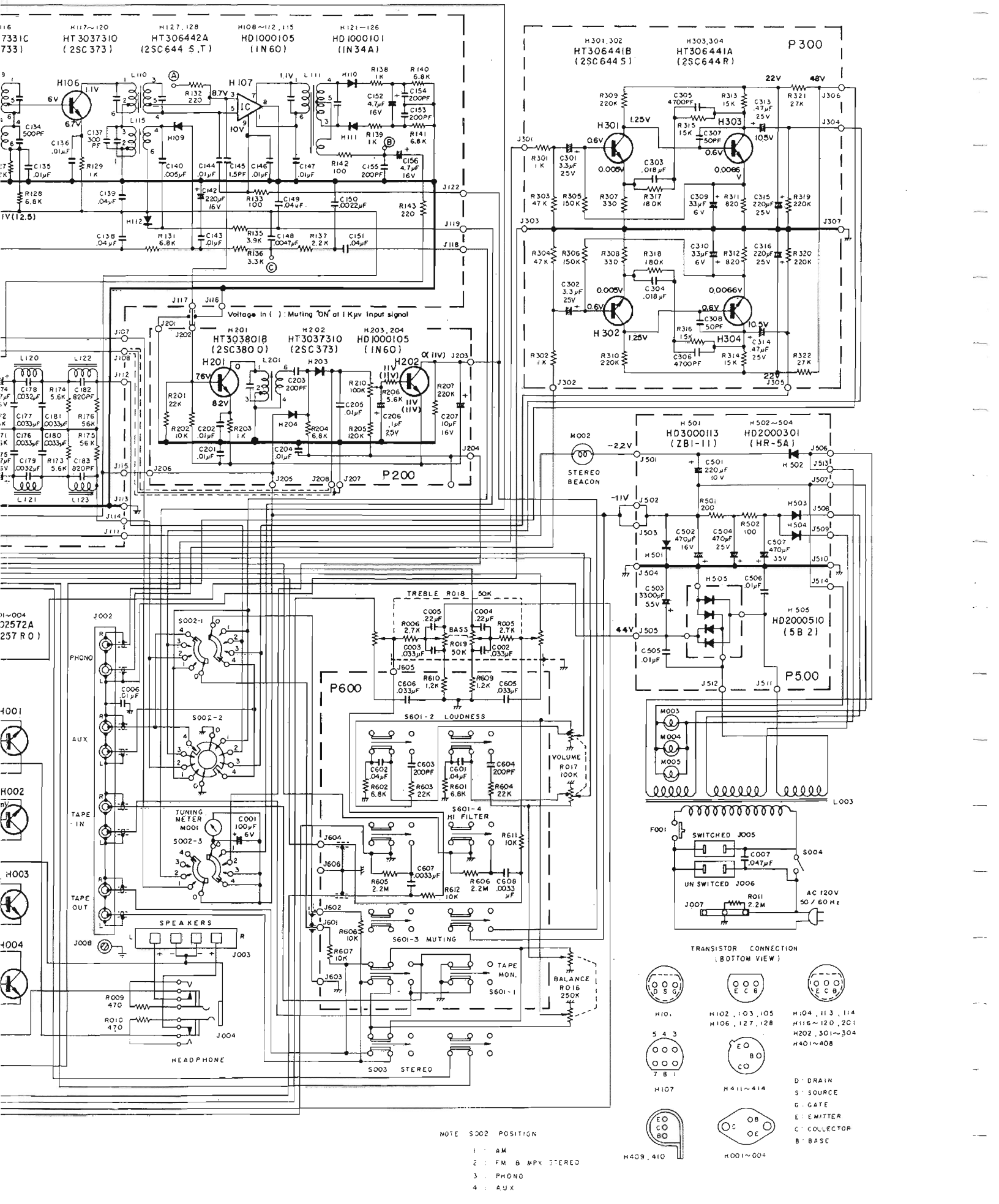
PARTS LIST

REF. DESIG.	MARANTS PART NO.	DESCRIPTION
A001	2766063013	Escutcheon
A002	2611257012	Lid
A003	2611103013	Pointer
A004	2611265012	Indicator
A009	2577273010	Fly Wheel
A010	2577063022	Escutcheon
A011	2577063032	Escutcheon
A012	2577067022	Cap
A013	2577067022	Cap
A014	2577067022	Cap
A015	2577067022	Cap
A016	2577067022	Cap
A017	2577067022	Cap
A018	2578067010	Cap
A019	2578067010	Cap
A020	2578067010	Cap
A021	2578067010	Cap
A022	2578067010	Cap
A531	2766302014	Dial
A532	2766053010	Cover
A533	2577154020	Knob
A534	2577154020	Knob
A535	2577154020	Knob
A541	2577154020	Knob
A542	2577154020	Knob
A543	2577154020	Knob
A544	2578154010	Knob
A545	2578154010	Knob
A546	2578154010	Knob
A547	2578154010	Knob
A548	2578154010	Knob
A551	2611064510	Case K
A552	2611064020	Case
A553	2759057010	Leg
A554	2759057010	Leg
A555	2759057010	Leg
A556	2759057010	Leg
A407	2713003010	Punched Plate
A408	2714003010	Punched Plate
B001	2611105017	Shassis
B002	2766160503	Bracket K
B401	2766160012	Bracket
B402	2577101020	Support
B403	2577101020	Support
B404	2577112020	Shaft
B405	2766160022	Bracket
B008	2611160024	Bracket
B009	2611160030	Bracket
B010	2611160030	Bracket
B011	2611160040	Bracket
B012	2611160050	Bracket
B013	2611257022	Lid
B014	2611005010	Clamper
B021	2611160510	Bracket K
B405	2611160060	Bracket
B406	2577112020	Shaft
B407	2577112020	Shaft
B027	2611109010	Shield
B028	2611109020	Shield
B029	2611109020	Shield
B032	2611055010	Collar
B033	2611055010	Collar
B034	2611055020	Collar
B035	2611055020	Collar
B036	2611109030	Shield
B037	2611109020	Shield
B039	2766267020	Heat Sink
B040	2577160170	Bracket
B041	2577112012	Shaft
B043	2577106500	Bearing K
B408	2577104010	Retainer
B409	2577106010	Bearing
B047	2578160522	Bracket K
B410	2578160052	Bracket
B411	2578160062	Bracket
D401	55020304 I 0	R.H Rivet
D402	55020304 I 0	R.H Rivet
B054	71400219 Q0	Spring
B055	71101239 M0	Spring
B061	2597160500	Bracket K
B412	2597160030	Bracket
B413	2597160040	Bracket
B414	2597112010	Shaft
B415	1336112010	Shaft
B067	1202258010	Hook
B068	1382005030	Clamper
B069	1382005030	Clamper
B070	1382005030	Clamper
B071	1382005030	Clamper
B072	1382005030	Clamper
B073	1382005030	Clamper
B074	1382005030	Clamper
B075	1382005030	Clamper
B079	2611118010	Spacer
B080	2611118010	Spacer
B541	2577118060	Spacer
B542	2577118060	Spacer
B543	2577118060	Spacer
B544	2577118060	Spacer
B545	2766053020	Cover
B546	2766053020	Cover
B504	2760118010	Spacer
B506	2577106020	Bearing
B507	2577053030	Cover
B508	2577053042	Cover
B509	2577053042	Cover
B511	2577118030	Spacer
B512	2577118040	Spacer
B513	2766118010	Spacer
B514	2577159020	Drum
B515	2577262010	Pulley
B516	2577262010	Pulley
B517	2577262010	Pulley
B518	2763259010	Bush
B519	2766118010	Spacer
B520	1271262010	Pulley



1. Voltages are measured at no signal with DC VTVM from common positive ground.
2. Voltages in paretheisis are values measured at 1K μV FM stereo signal applied, Stereo switch in stereo position.

S002-1 ~ S002-3
ALL SWITCHES VIEWED FROM FRONT AND SHOWN IN EXTREME CLOCKWISE POSITION = 4 AUX


H117~120
HT3037310
(2SC373)
H127, 128
HT306442A
(2SC644 S,T)
H108~112, 115
HD1000105
(IN60)
H121~126
HD1000101
(IN34A)
H301, 302
HT306441B
(2SC644 S)
H303, 304
HT306441A
(2SC644R)
P300
H201
HT3038018
(2SC3800)
H202
HT3037310
(2SC373)
H203, 204
HD1000105
(IN60)
Voltage in ( ) : Muting "ON" at 1 Kμv Input signal
P200
H501
HD3000113
(ZB1-11)
H502~504
HD2000301
(HR-5A)
H505
HD2000510
(5B2)
P500
P600
TREBLE R018 50K
BASS R019 50K
S601-2 LOUDNESS
VOLUME R017 100K
S601-4 HI FILTER
S601-3 MUTING
TAPE MON. S601-1
BALANCE R016 250K
S002-1
S002-2
S002-3
S003 STEREO
PHONO
AUX
TAPE IN
TAPE OUT
SPEAKERS
HEADPHONE
TUNING METER M001
STEREO BEACON
SWITCHED J005
UN SWITCED J006
AC 120V 50/60Hz
TRANSISTOR CONNECTION (BOTTOM VIEW)
H101
H102, 103, 105
H106, 127, 128
H104, 113, 114
H116~120, 201
H202, 301~304
H401~408
H107
H411~414
H409, 410
H001~004
D : DRAIN
S : SOURCE
G : GATE
E : EMITTER
C : COLLECTOR
B : BASE
NOTE S002 POSITION
1 : AM
2 : FM & MPX STEREO
3 : PHONO
4 : AUX

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
B527	1455259010	Bush
B528	1455259010	Bush
B529	1415118010	Spacer
B530	72081604A0	String
B531	73033010A0	Buffer
B532	73033010A0	Buffer
B533	71400219Q0	Spring
B534	2760053020	Cover
D001	51570305B0	P.H Tapt Screw
D002	51570305B0	P.H Tapt Screw
D003	51570305B0	P.H Tapt Screw
D004	51570305B0	P.H Tapt Screw
D005	51570305B0	P.H Tapt Screw
D006	51570305B0	P.H Tapt Screw
D007	51570305B0	P.H Tapt Screw
D008	51570305B0	P.H Tapt Screw
D009	51570305B0	P.H Tapt Screw
D010	51570305B0	P.H Tapt Screw
D011	51570305B0	P.H Tapt Screw
D012	51570305B0	P.H Tapt Screw
D013	51570305B0	P.H Tapt Screw
D014	51570305B0	P.H Tapt Screw
D015	51570305B0	P.H Tapt Screw
D016	51570305B0	P.H Tapt Screw
D017	51570305B0	P.H Tapt Screw
D018	51570305B0	P.H Tapt Screw
D019	51570305B0	P.H Tapt Screw
D020	51570305B0	P.H Tapt Screw
D021	51570305B0	P.H Tapt Screw
D022	51570305B0	P.H Tapt Screw
D023	51570305B0	P.H Tapt Screw
D024	51570305B0	P.H Tapt Screw
D025	51570305B0	P.H Tapt Screw
D027	51570305B0	P.H Tapt Screw
D028	51570305B0	P.H Tapt Screw
D029	51570305B0	P.H Tapt Screw
D030	51570305B0	P.H Tapt Screw
D041	51570306B0	P.H Tapt Screw
D042	51570305B0	P.H Tapt Screw
D043	51570305B0	P.H Tapt Screw
D044	51570305B0	P.H Tapt Screw
D045	51570305B0	P.H Tapt Screw
D046	51570305B0	P.H Tapt Screw
D047	51570305B0	P.H Tapt Screw
D048	51570305B0	P.H Tapt Screw
D049	51570305B0	P.H Tapt Screw
D050	51570305B0	P.H Tapt Screw
D052	51570305B0	P.H Tapt Screw
D053	51570305B0	P.H Tapt Screw
D054	51570305B0	P.H Tapt Screw
D055	51570305B0	P.H Tapt Screw
D056	51570305B0	P.H Tapt Screw
D057	51570305B0	P.H Tapt Screw
D058	51570305B0	P.H Tapt Screw
D059	51570305B0	P.H Tapt Screw
D061	51570308B0	P.H Tapt Screw
D072	51042608E0	F.H.M Screw
D073	51042608E0	F.H.M Screw
D074	51042608E0	F.H.M Screw
D075	51042608E0	F.H.M Screw
D081	51060305E9	P.H.M Screw
D082	51060305E9	P.H.M Screw
D083	51060305E9	P.H.M Screw
D084	51060305E9	P.H.M Screw
D085	51060305E9	P.H.M Screw
D086	51060305E9	P.H.M Screw
D087	51060305E9	P.H.M Screw
D088	51060305E9	P.H.M Screw
D089	51060305E9	P.H.M Screw
D090	51060305E9	P.H.M Screw
D091	51060305E9	P.H.M Screw
D092	51060305E9	P.H.M Screw
D093	51060305E9	P.H.M Screw
D094	51060305E9	P.H.M Screw
D095	51060305E9	P.H.M Screw
D096	51060305E9	P.H.M Screw
D097	51060305E9	P.H.M Screw
D098	51060305E9	P.H.M Screw
D099	51060305E9	P.H.M Screw
D100	51060305E9	P.H.M Screw
D101	51060305E9	P.H.M Screw
D102	51060305E9	P.H.M Screw
D103	51060305E9	P.H.M Screw
D106	51060305E9	P.H.M Screw
D107	51060305E9	P.H.M Screw
D108	51060305E9	P.H.M Screw
D109	51060305E9	P.H.M Screw
D110	51060305E9	P.H.M Screw
D112	51060305E9	P.H.M Screw
D113	51060305E9	P.H.M Screw
D121	51060305E9	P.H.M Screw
D122	51060305E9	P.H.M Screw
D123	51060305E9	P.H.M Screw
D124	51060305E9	P.H.M Screw
D125	51060305E9	P.H.M Screw
D129	51060308E9	P.H.M Screw
D130	51060308E9	P.H.M Screw
D132	51060314E9	P.H.M Screw
D133	51060314E9	P.H.M Screw
D136	51060406E9	P.H.M Screw
D137	51060406E9	P.H.M Screw
D138	51060406E9	P.H.M Screw
D139	51060406E9	P.H.M Screw
D141	51060408E9	P.H.M Screw
D142	51060408E9	P.H.M Screw
D143	51060408E9	P.H.M Screw
D144	51060408E9	P.H.M Screw
D146	51060440A9	P.H.M Screw
D147	51060440A9	P.H.M Screw
D148	51060440A9	P.H.M Screw
D149	51060440A9	P.H.M Screw
D150	51060410E9	P.H.M Screw
D151	51060410E9	P.H.M Screw
D152	51060410E9	P.H.M Screw
D153	51060312E9	P.H.M Screw
D154	51060312E9	P.H.M Screw
D161	51140305E9	O.C.H.M. Screw
D162	51140305E9	O.C.H.M. Screw
D163	51140305E9	O.C.H.M. Screw
D164	51140305E9	O.C.H.M. Screw
D165	51140305E9	O.C.H.M. Screw
D166	51140305E9	O.C.H.M. Screw
D167	51140305E9	O.C.H.M. Screw
D168	51140305E9	O.C.H.M. Screw
D171	53112603E0	Hexagon Nut

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
D172	53112603E0	Hexagon Nut
D173	53112603E0	Hexagon Nut
D174	53112603E0	Hexagon Nut
D176	53110303E9	Hexagon Nut
D177	53110303E9	Hexagon Nut
D178	53110303E9	Hexagon Nut
D180	53110403E9	Hexagon Nut
D181	53110403E9	Hexagon Nut
D182	53110403E9	Hexagon Nut
D183	53110403E9	Hexagon Nut
D188	53110403E9	Hexagon Nut
D191	53110603E0	Hexagon Nut
D201	51122608E0	T. H. M. Screw
D202	51122608E0	T. H. M. Screw
D204	62031650W0	Lug
D205	62041760W0	Lug
D206	51100406S9	B. H. M. Screw
D207	51100406S9	B. H. M. Screw
D208	51100406S9	B. H. M. Screw
D209	51100406S9	B. H. M. Screw
D211	54052600R0	T. L Washer OR
D212	54052600R0	T. L Washer OR
D213	54052600R0	T. L Washer OR
D214	54052600R0	T. L Washer OR
D216	54040302N0	Spring Washer
D217	54040302N0	Spring Washer
D218	54050300R0	T. L Washer OR
D219	54050400R0	T. L Washer OR
D220	54080400R0	T. L Washer RR
D221	54080400R0	T. L Washer RR
D222	54080400R0	T. L Washer RR
D223	54080400R0	T. L Washer RR
D224	54050402N0	Spring Washer
D225	54050402N0	Spring Washer
D226	54050402N0	Spring Washer
D227	54050402N0	Spring Washer
D228	54040402N0	Spring Washer
D229	54040402N0	Spring Washer
D230	54040402N0	Spring Washer
D231	54040402N0	Spring Washer
D232	54040402N0	Spring Washer
D234	59030810P0	Washer
D235	59030810P0	Washer
D241	54040602B0	Spring Washer
D242	54010300E0	Flat Washer S
D243	54010300E0	Flat Washer S
D244	54010300E0	Flat Washer S
D245	54010300E0	Flat Washer S
D246	54010300E0	Flat Washer S
D247	54010300E0	Flat Washer S
D248	54010300E0	Flat Washer S
D249	54010300E0	Flat Washer S
D250	54050400R0	T.L. Washer OR
D252	54020401S0	Flat Washer P
D253	54020401S0	Flat Washer P
D254	54020401S0	Flat Washer P
D255	54020401S0	Flat Washer P
D257	54050300R0	T.L. Washer OR
D258	62041760W0	Lug
D259	62031340W0	Lug
D261	51640412D9	Set Screw C.P
D263	51650304D9	Set Screw H.P
D264	51650304D9	Set Screw H.P

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
D267	64002400P0	RG Ring E
D268	64002400R0	RG Ring E
D269	64002400R0	RG Ring E
D270	64002400R0	RG Ring E
D272	56382040G0	Eyelet
P100	YD27660010	PC Board(FM/AM/MPX Front End)
R101	RT10563140	56KΩ ±10% ¼W, Carbon Film
R102	RT10330140	33Ω ±10% ¼W, Carbon Film
R103	RT10183140	18KΩ ±10% ¼W, Carbon Film
R104	RT10568140	5.6KΩ ±10% ¼W, Carbon Film
R105	RT10152140	1.5KΩ ±10% ¼W, Carbon Film
R106	RJ10123140	12KΩ ±10% ¼W, Carbon Film
R107	RT10272140	2.7KΩ ±10% ¼W, Carbon Film
R108	RT10222140	2.2KΩ ±10% ¼W, Carbon Film
R109	RT10473140	47KΩ ±10% ¼W, Carbon Film
R110	RT10562140	5.6KΩ ±10% ¼W, Carbon Film
R111	RT10182140	1.8KΩ ±10% ¼W, Carbon Film
R112	RT10272140	2.7KΩ ±10% ¼W, Carbon Film
R113	RT10272140	2.7KΩ ±10% ¼W, Carbon Film
R114	RT10104140	100KΩ ±10% ¼W, Carbon Film
R115	RT10124140	120KΩ ±10% ¼W, Carbon Film
R116	RT10472140	4.7KΩ ±10% ¼W, Carbon Film
R117	RT10221140	220Ω ±10% ¼W, Carbon Film
R118	RT10223140	22KΩ ±10% ¼W, Carbon Film
R119	RT10103140	10KΩ ±10% ¼W, Carbon Film
R120	RT10102140	1 KΩ ±10% ¼W, Carbon Film
R121	RT10391140	390Ω ±10% ¼W, Carbon Film
R122	RT10123140	12KΩ ±10% ¼W, Carbon Film
R123	RT10103140	10KΩ ±10% ¼W, Carbon Film
R124	RT10102140	1 KΩ ±10% ¼W, Carbon Film
R125	RT10223140	22KΩ ±10% ¼W, Carbon Film
R126	RT10151140	150Ω ±10% ¼W, Carbon Film
R127	RT10822140	8.2KΩ ±10% ¼W, Carbon Film
R128	RT10682140	6.8KΩ ±10% ¼W, Carbon Film
R129	RT10102140	1 KΩ ±10% ¼W, Carbon Film
R130	RT10271140	270Ω ±10% ¼W, Carbon Film
R131	RT10682140	6.8KΩ ±10% ¼W, Carbon Film
R132	RC10221120	220Ω ±10% ½W, Solid
R133	RT10101140	100Ω ±10% ¼W, Carbon Film
R135	RT10392140	3.9KΩ ±10% ¼W, Carbon Film
R136	RT10332140	3.3KΩ ±10% ¼W, Carbon Film
R137	RT10222140	2.2KΩ ±10% ¼W, Carbon Film
R138	RT10102140	1 KΩ ±10% ¼W, Carbon Film
R139	RT10102140	1 KΩ ±10% ¼W, Carbon Film
R140	RT10682140	6.8KΩ ±10% ¼W, Carbon Film
R141	RT10682140	6.8KΩ ±10% ¼W, Carbon Film
R142	RT10101140	100Ω ±10% ¼W, Carbon Film
R143	RT10221140	220Ω ±10% ¼W, Carbon Film
R144	RT10105140	1 MΩ ±10% ¼W, Carbon Film
R145	RT10152140	1.5KΩ ±10% ¼W, Carbon Film
R146	RT10102140	1 KΩ ±10% ¼W, Carbon Film
R147	RT10103140	10KΩ ±10% ¼W, Carbon Film
R148	RT10272140	2.7KΩ ±10% ¼W, Carbon Film
R149	RT10823140	82KΩ ±10% ¼W, Carbon Film
R150	RT10152140	1.5KΩ ±10% ¼W, Carbon Film
R151	RT10222140	2.2KΩ ±10% ¼W, Carbon Film
R152	RT10223140	22KΩ ±10% ¼W, Carbon Film
R153	RT10331140	330Ω ±10% ¼W, Carbon Film
R154	RT10122140	1.2KΩ ±10% ¼W, Carbon Film
R155	RT10103140	10KΩ ±10% ¼W, Carbon Film
R156	RT10103140	10KΩ ±10% ¼W, Carbon Film
R157	RT10103140	10KΩ ±10% ¼W, Carbon Film
R158	RT10103140	10KΩ ±10% ¼W, Carbon Film

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
R159	RT10683140	68KΩ ±10% ¼W, Carbon Film
R160	RT10683140	68KΩ ±10% ¼W, Carbon Film
R161	RT10683140	68KΩ ±10% ¼W, Carbon Film
R162	RT10683140	68KΩ ±10% ¼W, Carbon Film
R163	RT10823140	82KΩ ±10% ¼W, Carbon Film
R164	RT10823140	82KΩ ±10% ¼W, Carbon Film
R167	RT10105140	1 MΩ ±10% ¼W, Carbon Film
R168	RT10105140	1 MΩ ±10% ¼W, Carbon Film
R169	RT10152140	1.5KΩ ±10% ¼W, Carbon Film
R170	RT10152140	1.5KΩ ±10% ¼W, Carbon Film
R171	RT10562140	5.6KΩ ±10% ¼W, Carbon Film
R172	RT10562140	5.6KΩ ±10% ¼W, Carbon Film
R173	RT10562140	5.6KΩ ±10% ¼W, Carbon Film
R174	RT10562140	5.6KΩ ±10% ¼W, Carbon Film
R175	RT10563140	56KΩ ±10% ¼W, Carbon Film
R176	RT10563140	56KΩ ±10% ¼W, Carbon Film
R182	RA05020050	5KΩ (B) ±20%, Semi Fixed
C101	DD12100010	10pF ±1pF Cer.
C102	DD12030010	3 pF ±1pF Cer.
C103	DK17102010	0.001μF ±20% Cer.
C104	DK17102010	0.001μF ±20% Cer.
C105	DD11550010	15pF ±10% Cer.
C106	DD12050010	5 pF ±1pF Cer.
C107	DD15301010	300pF ± 5 % Cer.
C108	DD11020040	2 pF ±0.5pF Cer.
C109	DK17102010	0.001μF ±20% Cer.
C110	DD25500010	50pF ± 5 % Cer.
C111	DD16501010	500pF ±10% Cer.
C113	DK17102010	0.001μF ±20% Cer.
C114	DD12070030	7pF ±1pF Cer.
C115	DD16150050	15pF ±10% Cer.
C116	DK18403010	0.04μF +100%−20%, Cer.
C117	DF17223010	0.02μF ±20%, Mylar
C118	DF17153010	0.015μF ±20%, Mylar
C119	DD16250010	25pF ±10%, Cer.
C120	DF65391010	390pF ± 5 %, Mylar
C121	DK18403010	0.04μF +100%− 0 %, Cer.
C122	EA33600610	6V 30μF +100%−20%, Elect.
C123	DK18403010	0.04μF +100%− 0 %, Cer.
C124	DD10010010	1pF ±0.25%, Cer.
C125	DK17103010	0.01μF ±20%, Cer.
C126	DK17103010	0.01μF ±20%, Cer.
C127	DD10010010	1pF ±0.25%, Cer.
C128	DK17103010	0.01μF ±20%, Cer.
C129	DK17103010	0.01μF ±20%, Cer.
C130	DK17103010	0.01μF ±20%, Cer.
C131	DK17103010	0.01μF ±20%, Cer.
C132	DD10010010	1pF ±20%, Cer.
C133	DD16300010	30pF ±20%, Cer.
C134	DD16501010	500pF ±10%, Cer.
C135	DK17103010	0.01μF ±20%, Cer.
C136	DK17103010	0.01μF ±20%, Cer.
C137	DD15301010	300pF ± 5 %, Cer.
C138	DK18403010	0.04μF +100%− 0 %, Cer.
C139	DK18403010	0.04μF +100%− 0 %, Cer.
C140	DK17502010	0.005μF ±20%, Cer.
C142	EA22701640	16V 220μF +100%−20%, Elect.
C143	DF17103010	0.01μF ±20%, Mylar
C144	DK17103010	0.01μF ±20%, Cer.
C145	DD10015010	1.5pF ±0.25pF, Cer.
C146	DK17103010	0.01μF ±20%, Cer.
C147	DK17103010	0.01μF ±20%, Cer.
C148	DF17472010	0.0047μF ±20%, Mylar

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
C149	DK18403010	0.04μF +100%− 0 %, Cer.
C150	DF17222010	0.0022μF ±20%, Mylar
C151	DF17403010	0.04μF ±20%, Mylar
C152	EA47501620	16V4.7μF +100%−20%, Elect.
C153	DD16201010	200pF ±20%, Cer.
C154	DD16201010	200pF ±20%, Cer.
C155	DD16201010	200pF ±20%, Cer.
C156	EA47501620	16V4.7μF +100%−20%, Elect.
C157	DK18403010	0.04μF +100%− 0 %, Cer.
C158	EA10601620	16V10μF +100%−20%, Elect.
C159	DF55472010	4700pF ± 5 %, Mylar
C160	DF17472010	0.0047μF ±20%, Mylar
C161	DK17103010	0.01μF ±20%, Cer.
C162	DF55472010	4700pF ± 5 %, Mylar
C163	DF55472010	4700pF ± 5 %, Mylar
C164	EA10601620	16V10μF +100%−20%, Elect.
C165	EA47501620	16V4.7μF +100%−20%, Elect.
C166	DF16152010	1500pF ±10%, Mylar
C167	EA47501620	16V4.7μF +100%−20%, Elect.
C168	EA47501620	16V4.7μF +100%−20%, Elect.
C169	EA47501620	16V4.7μF +100%−20%, Elect.
C170	EA47501620	16V4.7μF +100%−20%, Elect.
C171	DF16103010	0.01μF ±10%, Mylar
C172	DF16103010	0.01μF ±10%, Mylar
C173	DD16201010	200pF ±20%, Cer.
C174	EA47501620	16V4.7μF +100%−20%, Elect.
C175	EA47501620	16V4.7μF +100%−20%, Elect.
C176	DF16332010	0.0033μF ±10%, Mylar
C177	DF16332010	0.0033μF ±10%, Mylar
C178	DF65322010	0.0032μF ± 5 %, Mylar
C179	DF65322010	0.0032μF ± 5 %, Mylar
C180	DF16332010	0.0033μF ±10%, Mylar
C181	DF16332010	0.0033μF ±10%, Mylar
C182	DF65821010	820pF ± 5 %, Mylar
C183	DF65821010	820pF ± 5 %, Mylar
C188	CA32000100	Variable FM3G, AM2G
C189	CT41300010	Trimmer
C190	CT11000010	Trimmer
H101	HF200191A0	FET 2SK19Y
H102	HT308291B0	Transistor 2SC829(B)
H103	HT308291B0	Transistor 2SC829(B)
H104	HT303801B0	Transistor 2SC380(O)
H105	HT308291D0	Transistor 2SC829(D)
H106	HT308291D0	Transistor 2SC829(D)
H107	HC10001090	IC NJ703N
H108	HD10001050	Diode 1N60
H109	HD10001050	Diode 1N60
H110	HD10001050	Diode 1N60
H111	HD10001050	Diode 1N60
H112	HD10001050	Diode 1N60
H113	HT303711B0	Transistor 2SC371(O)
H114	HT303711A0	Transistor 2SC371(R)
H115	HD10001050	Diode 1N60
H116	HT307331C0	Transistor 2SC733(Gn)
H117	HT30373100	Transistor 2SC373
H118	HT30373100	Transistor 2SC373
H119	HT30373100	Transistor 2SC373
H120	HT30373100	Transistor 2SC373
H121	HD10001010	Diode 1N34A
H122	HD10001010	Diode 1N34A
H123	HD10001010	Diode 1N34A
H124	HD10001010	Diode 1N34A
H125	HD10001010	Diode 1N34A

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
H126	HD10001010	Diode 1N34A
H127	HT306442A0	Diode 2SC644(S) or (T)
H128	HT306442A0	Diode 2SC644(S) or (T)
L101	LA10046060	FM ANT Coil
L102	LK10505060	FM RF Coil
L103	LL23505050	FM RF Coil
L104	LO12026010	FM OSC
L105	LC16820010	Choke Coil 6.8μH
L106	LC16810010	Choke Coil 0.68μH
L107	LI14016150	FM IFT (1)
L108	LI14016170	FM IFT (2)
L109	LI14016170	FM IFT (3)
L110	LI14016180	FM IFT (4)
L111	LI14016043	FM IFT (5)
L112	LO10010340	AM OSC Coil
L113	LI14010020	AM IFT (1)
L114	LI10010120	AM IFT (2)
L115	LI10010480	AM IFT (3)
L116	LS10015020	19KHz Coil
L117	LS10015030	19KHz Doublar
L118	LS10010030	38KHz Coil
L119	LS10010050	67KHz Coil
L120	LC22260010	Choke Coil 22mH
L121	LC22260010	Choke Coil 22mH
L122	LC22260010	Choke Coil 22mH
L123	LC22260010	Choke Coil 22mH
J101	YP10000360	Plug
J102	YP10000360	Plug
J103	YP10000360	Plug
J104	YP10000360	Plug
J105	YP10000360	Plug
J106	YP10000360	Plug
J107	YP10000360	Plug
J108	YP10000360	Plug
J109	YP10000360	Plug
J110	YP10000360	Plug
J111	YP10000360	Plug
J112	YP10000360	Plug
J113	YP10000360	Plug
J114	YP10000360	Plug
J115	YP10000360	Plug
J116	YP10000360	Plug
J117	YP10000360	Plug
J118	YP10000360	Plug
J119	YP10000360	Plug
J120	YP10000360	Plug
J121	YP10000360	Plug
J122	YP10000360	Plug
J123	YP10000360	Plug
P200	YD27660020	PC Board(FM METER AMP/MUTING)
H201	HT303801B0	Transistor 2SC380(O)
H202	HT30373100	Transistor 2SC373
H203	HD10001050	Diode 1N60
H204	HD10001050	Diode 1N60
L201	LI10156060	FM IFT
R201	RT10223140	22KΩ ±10% ¼W, Carbon Film
R202	RT10103140	10KΩ ±10% ¼W, Carbon Film
R203	RT10102140	1KΩ ±10% ¼W, Carbon Film
R204	RT10682140	6.8KΩ ±10% ¼W, Carbon Film
R205	RT10124140	120KΩ ±10% ¼W, Carbon Film
R206	RT10562140	5.6KΩ ±10% ¼W, Carbon Film
R207	RT10224140	220KΩ ±10% ¼W, Carbon Film
R210	RA01040090	100KΩ (B) ±20%, Semi Fixed

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
C201	DK17103010	0.01μF ±20%, Cer.
C202	DK17103010	0.01μF ±20%, Cer.
C203	DD16201010	200pF ±20%, Cer.
C204	DK17103010	0.01μF ±20%, Cer.
C205	DK17103010	0.01μF ±20%, Cer.
C206	EM10402510	25V 0.1μF ±10%, Elect.
C207	EA10601620	16V 10μF +100%−10%, Elect.
J201	YP10000360	Plug
J202	YP10000360	Plug
J203	YP10000360	Plug
J204	YP10000360	Plug
J205	YP10000360	Plug
J206	YP10000360	Plug
J207	YP10000360	Plug
J208	YP10000360	Plug
J209	YP10000360	Plug
P300	YD27660030	PC Board(PHONO AMP)
R301	RT10102140	1KΩ ±10% ¼W, Carbon Film
R302	RT10102140	1KΩ ±10% ¼W, Carbon Film
R303	RT10473140	47KΩ ±10% ¼W, Carbon Film
R304	RT10473140	47KΩ ±10% ¼W, Carbon Film
R305	RN10154140	150KΩ ±10% ¼W, Carbon Film
R306	RN10154140	150KΩ ±10% ¼W, Carbon Film
R307	RT10331140	330Ω ±10% ¼W, Carbon Film
R308	RT10331140	330Ω ±10% ¼W, Carbon Film
R309	RN10224140	220KΩ ±10% ¼W, Carbon Film
R310	RN10224140	220KΩ ±10% ¼W, Carbon Film
R311	RT10821140	820Ω ±10% ¼W, Carbon Film
R312	RT10821140	820Ω ±10% ¼W, Carbon Film
R313	RN10153140	15KΩ ±10% ¼W, Carbon Film
R314	RN10153140	15KΩ ±10% ¼W, Carbon Film
R315	RT05153140	15KΩ ± 5 % ¼W, Carbon Film
R316	RT05153140	15KΩ ± 5 % ¼W, Carbon Film
R317	RT05184140	180KΩ ± 5 % ¼W, Carbon Film
R318	RT05184140	180KΩ ± 5 % ¼W, Carbon Film
R319	RN10224140	220KΩ ±10% ¼W, Carbon Film
R320	RN10224140	220KΩ ±10% ¼W, Carbon Film
R321	RT10273140	27KΩ ±10% ¼W, Carbon Film
R322	RT10273140	27KΩ ±10% ¼W, Carbon Film
C301	EV33502510	3.3μF 25V +40%−20%, Elect.
C302	EV33502510	3.3μF 25V +40%−20%, Elect.
C303	DF55183020	0.018μF 50V ± 5 %, Mylar
C304	DF55183020	0.018μF 50V ± 5 %, Mylar
C305	DF55472010	4700pF 50V ± 5 %, Mylar
C306	DF55472010	4700pF 50V ± 5 %, Mylar
C307	DD16500010	50pF 50V ±10%, Cer.
C308	DD16500010	50pF 50V ±10%, Cer.
C309	EA33600610	33μF 6 V +100%−0%, Elect.
C310	EA33600610	33μF 6 V +100%−0%, Elect.
C313	EV47402510	0.47μF25V +40%−20%, Elect.
C314	EV47402510	0.47μF25V +40%−20%, Elect.
C315	EA22702510	220μF 25V +100%−0%, Elect.
C316	EA22702510	220μF 25V +100%−0%, Elect.
J301	YP10000360	Plug
J302	YP10000360	Plug
J303	YP10000360	Plug
J304	YP10000360	Plug
J305	YP10000360	Plug
J306	YP10000360	Plug
J307	YP10000360	Plug
H301	HT306441B0	Transistor 2SC644(S)
H302	HT306441B0	Transistor 2SC644(S)
H303	HT306441A0	Transistor 2SC644(R)

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
H304	HT306441A0	Transistor 2SC644(R)
P400	YD27660040	PC Board (PRE/MAIN AMP)
R401	RT10102140	1KΩ ±10% ¼W, Carbon Film
R402	RT10102140	1KΩ ±10% ¼W, Carbon Film
R403	RN10474140	470KΩ ±10% ¼W, Carbon Film
R404	RN10474140	470KΩ ±10% ¼W, Carbon Film
R405	RN10224140	220KΩ ±10% ¼W, Carbon Film
R406	RN10224140	220KΩ ±10% ¼W, Carbon Film
R407	RT05331140	330Ω ± 5 % ¼W, Carbon Film
R408	RT05331140	330Ω ± 5 % ¼W, Carbon Film
R409	RT05103140	10KΩ ± 5 % ¼W, Carbon Film
R410	RT05103140	10KΩ ± 5 % ¼W, Carbon Film
R411	RT10682140	6.8KΩ ±10% ¼W, Carbon Film
R412	RT10682140	6.8KΩ ±10% ¼W, Carbon Film
R413	RT10681140	680Ω ±10% ¼W, Carbon Film
R414	RT10681140	680Ω ±10% ¼W, Carbon Film
R415	RT10391140	390Ω ±10% ¼W, Carbon Film
R416	RT10391140	390Ω ±10% ¼W, Carbon Film
R417	RT10822140	8.2KΩ ±10% ¼W, Carbon Film
R418	RT10822140	8.2KΩ ±10% ¼W, Carbon Film
R419	RT10682140	6.8KΩ ±10% ¼W, Carbon Film
R420	RT10682140	6.8KΩ ±10% ¼W, Carbon Film
R421	RT10102140	1KΩ ±10% ¼W, Carbon Film
R422	RT10102140	1KΩ ±10% ¼W, Carbon Film
R423	RT10101140	100Ω ±10% ¼W, Carbon Film
R424	RT10101140	100Ω ±10% ¼W, Carbon Film
R425	RT10151140	150Ω ±10% ¼W, Carbon Film
R426	RT10151140	150Ω ±10% ¼W, Carbon Film
R427	RT10222140	2.2KΩ ±10% ¼W, Carbon Film
R428	RT10222140	2.2KΩ ±10% ¼W, Carbon Film
R429	RT10104140	100KΩ ±10% ¼W, Carbon Film
R430	RT10104140	100KΩ ±10% ¼W, Carbon Film
R431	RN10154140	150KΩ ±10% ¼W, Carbon Film
R432	RN10154140	150KΩ ±10% ¼W, Carbon Film
R433	RT10821140	820Ω ±10% ¼W, Carbon Film
R434	RT10821140	820Ω ±10% ¼W, Carbon Film
R435	RN10155140	1.5MΩ ±10% ¼W, Carbon Film
R436	RN10155140	1.5MΩ ±10% ¼W, Carbon Film
R437	RT10223140	22KΩ ±10% ¼W, Carbon Film
R438	RT10223140	22KΩ ±10% ¼W, Carbon Film
R439	RT10562140	5.6KΩ ±10% ¼W, Carbon Film
R440	RT10562140	5.6KΩ ±10% ¼W, Carbon Film
R441	RT05392140	3.9KΩ ± 5 % ¼W, Carbon Film
R442	RT05392140	3.9KΩ ± 5 % ¼W, Carbon Film
R443	RT10821140	820Ω ±10% ¼W, Carbon Film
R444	RT10821140	820Ω ±10% ¼W, Carbon Film
R445	RT05101140	100Ω ± 5 % ¼W, Carbon Film
R446	RT05101140	100Ω ± 5 % ¼W, Carbon Film
R447	RT10153140	15KΩ ±10% ¼W, Carbon Film
R448	RT10153140	15KΩ ±10% ¼W, Carbon Film
R449	RT10123140	12KΩ ±10% ¼W, Carbon Film
R450	RT10123140	12KΩ ±10% ¼W, Carbon Film
R451	RN10104140	100KΩ ±10% ¼W, Carbon Film
R452	RN10104140	100KΩ ±10% ¼W, Carbon Film
R453	RA01040060	100KΩ (B) Semi Fixed
R454	RA01040060	100KΩ (B) Semi Fixed
R455	RA05010010	500Ω (B) Semi Fixed
R456	RA05010010	500Ω (B) Semi Fixed
R457	RC10331120	330Ω ±10% ½W, Solid
R458	RC10331120	330Ω ±10% ½W, Solid
R459	RC10392120	3.9KΩ ±10% ½W, Solid
R460	RC10392120	3.9KΩ ±10% ½W, Solid
R461	RT10101140	100Ω ±10% ¼W, Carbon Film
R462	RT10101140	100Ω ±10% ¼W, Carbon Film
R463	RT10822140	8.2KΩ ±10% ¼W, Carbon Film
R464	RT10822140	8.2KΩ ±10% ¼W, Carbon Film
R465	RC10100120	10Ω ±10% ½W, Solid
R466	RC10100120	10Ω ±10% ½W, Solid
R467	RC10221120	220Ω ±10% ½W, Solid
R468	RC10221120	220Ω ±10% ½W, Solid
R469	RC10221120	220Ω ±10% ½W, Solid
R470	RC10221120	220Ω ±10% ½W, Solid
R471	RC10220120	22Ω ±10% ½W, Solid
R472	RC10220120	22Ω ±10% ½W, Solid
R473	RC10100120	10Ω ±10% ½W, Solid
R474	RC10100120	10Ω ±10% ½W, Solid
R475	GW10502020	0.5Ω ±10% 2 W, Wire Wound
R476	GW10502020	0.5Ω ±10% 2 W, Wire Wound
R477	GW10502020	0.5Ω ±10% 2 W, Wire Wound
R478	GW10502020	0.5Ω ±10% 2 W, Wire Wound
R479	RT10103140	10KΩ ±10% ¼W, Carbon Film
R480	RT10103140	10KΩ ±10% ¼W, Carbon Film
C401	DF17224020	0.22μF 50V ±20%, Mylar
C402	DF17224020	0.22μF 50V ±20%, Mylar
C403	DD16200010	20pF 50V ±10%, Cer.
C404	DD16200010	20pF 50V ±10%, Cer.
C405	EA10602510	10μF 25V +100%−0%, Elect.
C406	EA10602510	10μF 25V +100%−0%, Elect.
C407	EA33601010	33μF 10V +100%−0%, Elect.
C408	EA33601010	33μF 10V +100%−0%, Elect.
C409	EV33502510	3.3μF 25V +40%−20%, Elect.
C410	EV33502510	3.3μF 25V +40%−20%, Elect.
C411	EA22703510	220μF 35V +100%−0%, Elect.
C412	EA22703510	220μF 35V +100%−0%, Elect.
C413	DF17332010	0.0033μF 50V ±20%, Mylar
C414	DF17332010	0.0033μF 50V ±20%, Mylar
C415	EV47402510	0.47μF 25V +40%−20%, Elect.
C416	EV47402510	0.47μF 25V +40%−20%, Elect.
C417	EA47601630	47μF 16V +100%−0%, Elect.
C418	EA47601630	47μF 16V +100%−0%, Elect.
C419	EA33601010	33μF 10V +100%−0%, Elect.
C420	EA33601010	33μF 10V +100%−0%, Elect.
C421	EA22700610	220μF 6.3V +100%−0%, Elect.
C422	EA22700610	220μF 6.3V +100%−0%, Elect.
C423	EA10603510	10μF 35V +100%−0%, Elect.
C424	EA10603510	10μF 35V +100%−0%, Elect.
C425	EA22702520	220μF 25V +100%−0%, Elect.
C426	EA22702520	220μF 25V +100%−0%, Elect.
C427	EA47603520	47μF 35V +100%−0%, Elect.
C428	EA47603520	47μF 35V +100%−0%, Elect.
C429	DD16300010	30pF 50V ±10%, Cer.
C430	DD16300010	30pF 50V ±10%, Cer.
C431	EA47603520	47μF 35V +100%−0%, Elect.
C432	EA47603520	47μF 35V +100%−0%, Elect.
C433	EA10700610	100μF 6.3V +100%−0%, Elect.
C434	EA10700610	100μF 6.3V +100%−0%, Elect.
C435	EA22603510	22μF 35V +100%−0%, Elect.
C436	EA22603510	22μF 35V +100%−0%, Elect.
C437	EB22803520	2200μF 35V +100%−0%, Elect.
C438	EB22803520	2200μF 35V +100%−0%, Elect.
C439	DF17104520	0.1μF 200V ±20%, Cer.
C440	DF17104520	0.1μF 200V ±20%, Cer.
C443	DD16101010	100pF 50V ±10%, Cer.
C444	DD16101010	100pF 50V ±10%, Cer.
C445	DD16201010	200pF 50V ±10%, Cer.
C446	DD16201010	200pF 50V ±10%, Cer.

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
C447	DF36201020	200pF 50V ±10%, Mylar
C448	DF36201020	200pF 50V ±10%, Mylar
H401	HT307321B0	Transistor 2SC732(BL)
H402	HT307321B0	Transistor 2SC732(BL)
H403	HT307331D0	Transistor 2SC733(BL)
H404	HT307331D0	Transistor 2SC733(BL)
H405	HT307321A0	Transistor 2SC732(GR)
H406	HT307321A0	Transistor 2SC732(GR)
H407	HT303731O0	Transistor 2SC373
H408	HT303731O0	Transistor 2SC373
H409	HT308531B0	Transistor 2SC853(L)
H410	HT308531B0	Transistor 2SC853(L)
H411	HT304972A0	Transistor 2SC497(O or Y)
H412	HT304972A0	Transistor 2SC497(O or Y)
H413	HT104972A0	Transistor 2SA497(O or Y)
H414	HT104972A0	Transistor 2SA497(O or Y)
H415	HV00007050	Varistor S−3016R
H416	HV00007050	Varistor S−3016R
H421	HD20003010	Diode HR−5A
H422	HD20003010	Diode HR−5A
J401	YP10000360	Plug
J402	YP10000360	Plug
J403	YP10000360	Plug
J404	YP10000360	Plug
J405	YP10000360	Plug
J406	YP10000360	Plug
J407	YP10000360	Plug
J408	YP10000360	Plug
J409	YP10000360	Plug
J410	YP10000360	Plug
J411	YP10000360	Plug
J412	YP10000360	Plug
J413	YP10000360	Plug
J414	YP10000360	Plug
J415	YP10000360	Plug
J416	YP10000360	Plug
J417	YP10000360	Plug
J418	YP10000360	Plug
J419	YP10000360	Plug
J420	YP10000360	Plug
J421	YP10000360	Plug
J422	YP10000360	Plug
J423	YP10000360	Plug
J424	YP10000360	Plug
J425	YP10000360	Plug
J426	YP10000360	Plug
J427	YP10000360	Plug
J428	YP10000360	Plug
J429	YP10000360	Plug
J430	YP10000360	Plug
J431	YP10000360	Plug
J432	YP10000360	Plug
J433	YP10000360	Plug
J434	YP10000360	Plug
P500	YD27660050	PC Board (POWER SUPPLY)
R501	RC10201010	200Ω ±10% 1W, Solid
R502	RC10101010	100Ω ±10% 1W, Solid
C501	EA22701050	220μF 10V +100%−0%, Elect.
C502	EA47701620	470μF 16V +100%−0%, Elect.
C503	EB33805510	3300pF 55V +100%−0%, Elect.
C504	EA47702520	470μF 25V +100%−0%, Elect.
C505	DK18103510	0.01μF 500V +100%−0%, Cer.
C506	DK18103510	0.01μF 500V +100%−0%, Cer.
C507	EA47703510	470μF 35V +100%−0%, Elect.
J501	YP10000360	Plug
J502	YP10000360	Plug
J503	YP10000360	Plug
J504	YP10000360	Plug
J505	YP10000360	Plug
J506	YP10000360	Plug
J507	YP10000360	Plug
J508	YP10000360	Plug
J509	YP10000360	Plug
J510	YP10000360	Plug
J511	YP10000360	Plug
J512	YP10000360	Plug
J513	YP10000360	Plug
J514	YP10000360	Plug
H501	HD30001130	Diode ZBI−11
H502	HD20003010	Diode HR−5A
H503	HD20003010	Diode HR−5A
H504	HD20003010	Diode HR−5A
H505	HD20005100	Diode 5B−2
P600	YD27660060	PC Board
R601	RT05682140	6.8KΩ ±5% ¼W, Carbon Film
R602	RT05682140	6.8KΩ ±5% ¼W, Carbon Film
R603	RT10223140	22KΩ ±10% ¼W, Carbon Film
R604	RT10223140	22KΩ ±10% ¼W, Carbon Film
R605	RN10225140	2.2MΩ ±10% ¼W, Carbon Film
R606	RN10225140	2.2MΩ ±10% ¼W, Carbon Film
R607	RT05103140	10KΩ ±5% ¼W, Carbon Film
R608	RT05103140	10KΩ ±5% ¼W, Carbon Film
R609	RT10122140	1.2KΩ ±10% ¼W, Carbon Film
R610	RT10122140	1.2KΩ ±10% ¼W, Carbon Film
R611	RT05103140	10KΩ ±5% ¼W, Carbon Film
R612	RT05103140	10KΩ ±5% ¼W, Carbon Film
C601	DF17403010	0.04μF ±20%, Mylar.
C602	DF17403010	0.04μF ±20%, Mylar.
C603	DD16201010	200pF ±10%, Mylar.
C604	DD16201010	200pF ±10%, Mylar.
C605	DF17333010	0.033μF ±20%, Mylar.
C606	DF17333010	0.033μF ±20%, Mylar.
C607	DF16332010	0.0033μF ±20%, Mylar.
C608	DF16332010	0.0033μF ±20%, Mylar.
S601	SP04040012	Push Switch
(1~4)		S601−1 : Tape Mon
		S601−2 : Loudness
		S601−3 : Low Filter
		S601−4 : Muting
J601	YP10000360	Plug
J602	YP10000360	Plug
J603	YP10000360	Plug
J604	YP10000360	Plug
J605	YP10000360	Plug
J606	YP10000360	Plug
P700	YD25770070	PC Board
H701	HD20003010	Diode
H702	HD20003010	Diode
H703	HD20003010	Diode
H704	HD20003010	Diode
R001	RC10680120	68Ω ±10% ½W, Solid
R002	RC10680120	68Ω ±10% ½W, Solid
R003	RC10082120	8.2Ω ±10% ½W, Solid
R005	RT10272140	2.7KΩ ±10% ¼W, Carbon Film
R006	RT10272140	2.7KΩ ±10% ¼W, Carbon Film
R009	RC10471120	470Ω ±10% ½W, Solid

REF. DESIG.	MARANTZ PART NO.	DESCRIPTION
R010	RC10471120	470Ω ±10% ½W, Solid
R011	RT10225010	2.2MΩ ±10% 1 W, Carbon Film
R016	RM02540080	250KΩ Variable
R017	RM01040022	100KΩ (A) Variable
R018	RM05030110	50KΩ Variable
R019	RM05030110	50KΩ Variable
C001	EA10700650	6V 100μF +100%−20%, Elect.
C002	DF17333010	0.033μF ±20%, Mylar
C003	DF17333010	0.033μF ±20%, Mylar
C004	DF17224020	0.22μF ±20%, Mylar
C005	DF17224020	0.22μF ±20%, Mylar
C006	DK17103010	0.01μF ±20%, Cer.
C007	DO07473530	0.047μF ±20%, Oil Paper
H001	HT402572A0	Transistor 2SD257 (R or O)
H002	HT402572A0	Transistor 2SD257 (R or O)
H003	HT402572A0	Transistor 2SD257 (R or O)
H004	HT402572A0	Transistor 2SD257 (R or O)
L001	LF11400360	AM Ant Coil
L002	LB30075250	FM Balun Coil
L003	TS18501040	Power Transf.
W001	YC02400010	Power Cord
W002	YW27660012	Wire Materials
W003	YX27660010	Wire Materials
J001	YT03040020	Ant Terminal
J002	YT02080020	Audio US Jack
J003	YT03040020	Output Terminal
J004	YJ01000550	Head Phone Jack
J005	YJ04000320	A.C Socket
J006	YJ04000320	A.C Socket
J007	YL01030020	3P Lug
J008	YT01010030	G. Terminal
J009	YJ02000100	Lamp Socket
J010	YJ02000010	Lamp Socket
J011	YJ02000090	Lamp Socket
J012	YJ02000070	Stereo Lamp Socket
J013	YL01030010	Ant Lug
M001	IM11024060	Tuning Meter
M002	IN10080010	Stereo Beacon Lamp
M003	IN10060030	Pilot Lamp
M004	IN10060030	Pilot Lamp
M005	IN10060030	Pilot Lamp
S001	SS02020170	FM Ant. Att Switch
S002	SR05040010	Rotary Switch
S003	SP04010072	Stereo/Mono Switch
S004	SP04010062	Power Switch
F001	FR10160010	Circuit Breker 1.6A

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marantz

SERVICE BULLETIN

model number	bulletin number
26	M-26-2
for serial numbers: ALL	

subject: RF PICKUP IN PHONO MODE

engineering approval	date
N/A	10-16-73

We have had some reports of a few Model 26 receivers that have been detecting FM as well as citizens band signals when in the PHONO mode.

This problem can be alleviated by installing a .01 MFD ceramic capacitor between the ground terminal of the phono input jack and the chassis.

retype only of original printed 1-23-70