

# The Harman-Kardon Model 330B

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## AM/FM/Stereo FM Solid State Receiver

### Technical Manual Addendum

This addendum is to be used with all 330B models with  
suffix "A" after serial number.



# ALIGNMENT PROCEDURES

## AM ALIGNMENT PROCEDURE

**INSTRUMENTS:** AM Signal Generator modulated with 400Hz at 30%, V.T.V.M. and Oscilloscope.

**NOTE:** Set FUNCTION selector to AM.

Connect signal source to a loop placed to radiate signals into AM ANT LOOP STICK.

| Step | SIGNAL SOURCE OUTPUT                          | CONNECT OUTPUT METER TO                   | DIAL SETTING               | ADJUST                   | ADJUST FOR                                     |
|------|-----------------------------------------------|-------------------------------------------|----------------------------|--------------------------|------------------------------------------------|
| 1    | 455kHz of sweep generator<br>AM Sig. Gen.     | V.T.V.M. & oscillo-<br>scope to Tape Out  | Quiet point near<br>600kHz | T251                     | Maximum and<br>undistorted<br>pattern on SCOPE |
| 2    |                                               |                                           |                            | T252                     |                                                |
| 3    |                                               |                                           |                            | T253                     |                                                |
| 4    | Repeat step 1 through 3 for best sensitivity. |                                           |                            |                          |                                                |
| 5    | 530kHz of<br>AM Sig. Gen.                     | V.T.V.M. to oscillo-<br>scope to Tape Out | Gang fully closed          | L252                     | Maximum output                                 |
| 6    | 1600kHz of<br>AM Sig. Gen.                    |                                           | 1600kHz                    | AM oscillator<br>trimmer |                                                |
| 7    | Repeat step 5 and 6 for best dial accuracy.   |                                           |                            |                          |                                                |
| 8    | 600kHz of<br>AM Sig. Gen.                     | Same as above                             | 600kHz                     | AM ANT LOOP<br>STICK     | Same as above                                  |
| 9    | 1600kHz of<br>AM Sig. Gen.                    |                                           | 1600kHz                    | AM ANT trimmer           |                                                |
| 10   | Repeat step 8 and 9 for best sensitivity.     |                                           |                            |                          |                                                |

## FM ALIGNMENT PROCEDURE

**INSTRUMENTS:** FM Signal Generator, AC/DC VTWM, Oscilloscope.

**NOTE:** Set Function Switch to FM, signal generator for 400 or 1000 cps 100% mod.

| Step | FREQUENCY                                                      | SIG. STRENGTH               | DIAL SETTING                      | ADJUST                            | FOR                              | AT                             |
|------|----------------------------------------------------------------|-----------------------------|-----------------------------------|-----------------------------------|----------------------------------|--------------------------------|
| 1    | —                                                              | 0                           | Quiet point on band               | T52 top & bottom (on front end)   | Max. noise                       | LP206 ("OUT" term on IF Board) |
| 2    | —                                                              | 0                           | Same as above                     | T201 top (on FM IF board)         | Zero Volts D.C.                  | LP206                          |
| 3    | Near 98 mc                                                     | —1 db of Limiter saturation | Tune for Zero Volts D.C. at LP206 | T201 bottom<br>T52 top and bottom | Max. symmetric output (on scope) | Tape Out                       |
| 4    | Repeat steps 2 and 3 until no further improvement is noticed.  |                             |                                   |                                   |                                  |                                |
| 5    | 90 mc                                                          | approx. 10 $\mu$ v          | 90 mc                             | L52 (osc)                         | Zero Volts D.C.                  | LP206                          |
| 6    | 106 mc                                                         | Same as above               | 106 mc                            | TC53 (osc)                        | Zero Volts D.C.                  | LP206                          |
| 7    | Repeat steps 5 and 6 until no further improvement is noticed.  |                             |                                   |                                   |                                  |                                |
| 8    | 90 mc                                                          | —3 db of Limiter saturation | Tune for Zero Volts D.C. at LP206 | L51 (RF)<br>T51 (Ant)             | Max. Output                      | Tape Out                       |
| 9    | 106 mc                                                         | Same                        | Same                              | TC52 (RF)<br>TC51 (Ant)           | Max. Output                      | Tape Out                       |
| 10   | Repeat steps 9 and 10 until no further improvement is noticed. |                             |                                   |                                   |                                  |                                |

POWER AMP ALIGNMENT

- NOTES: 1. Set up 330B as follows
- FUNCTION — — — — AUX  
TONE & BALANCE — — — — MID  
STEREO/MONO SWITCH — — — — STEREO  
SPEAKER SWITCH — — — — ON
2. Connect 8 Ohm (50W) Resistor across Left and Right Speaker Terminals

(1) IDLING ADJUSTMENT

INSTRUMENT: DC Voltmeter

NOTE: Set VOLUME Control to Minimum Output

| Step | DC VOLTMETER CONNECTION | ADJUST | ADJUST FOR |
|------|-------------------------|--------|------------|
| 1    | Across R432 Resistor    | VR404  | 8mV DC     |
| 2    | Across R431 Resistor    | VR403  | 8mV DC     |

(2) DC BALANCE ADJUSTMENT

INSTRUMENTS: Audio Generator Oscilloscope  
AC VTVM

NOTE: Set VOLUME Control to maximum output

| Step | VTVM AND OSCILLOSCOPE CONNECTION                                                        | ADJUST | ADJUST FOR                                                              |
|------|-----------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------|
| 1    | Connect an audio generator, set for 1000Hz (sine wave) to the left channel "AUX" input. |        |                                                                         |
| 2    | To Left Speaker Terminal                                                                |        | Increase generator output until sine wave on scope just starts clipping |
| 3    |                                                                                         | VR402  | Equal clipping on the positive and negative half cycles on the signal   |
| 4    | To Right Speaker Termianl                                                               | VR401  | Same as above.                                                          |

MPX ALIGNMENT PROCEDURE

INSTRUMENTS:        Frequency counter, stereo signal generator

NOTE:        Set Function switch to FM Stereo

|   |                                                                                                                   |
|---|-------------------------------------------------------------------------------------------------------------------|
| 1 | Short LP206 (on FM board) to ground.                                                                              |
| 2 | Connect frequency counter to LP301 (Marked "19KC", on MPX Board.                                                  |
| 3 | Adjust VR301 for 19KC $\pm$ 50C.                                                                                  |
| 4 | Remove short from LP206 to ground.                                                                                |
| 5 | Check Pilot level that Stereo indication lights at 6% of pilot level and that the indicator does not light at 1%. |
| 6 | Return Pilot level to 9% and check Stereo separation at 1kHz, 100Hz, and 10kHz.                                   |
| 7 | At 25 $\mu$ v of signal adjust Stereo threshold VR201 for Stereo indicator on.                                    |

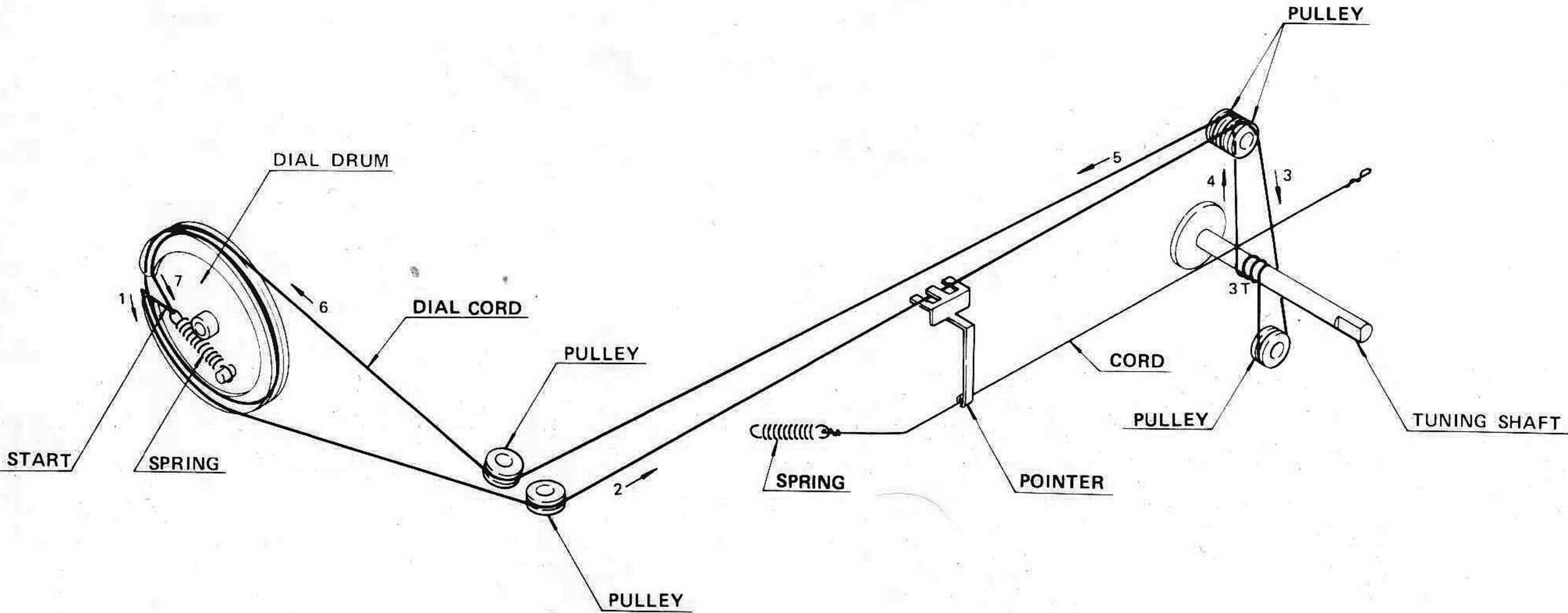
TUNING INDICATOR ADJUSTMENT

INSTRUMENT:        FM Signal Generator.

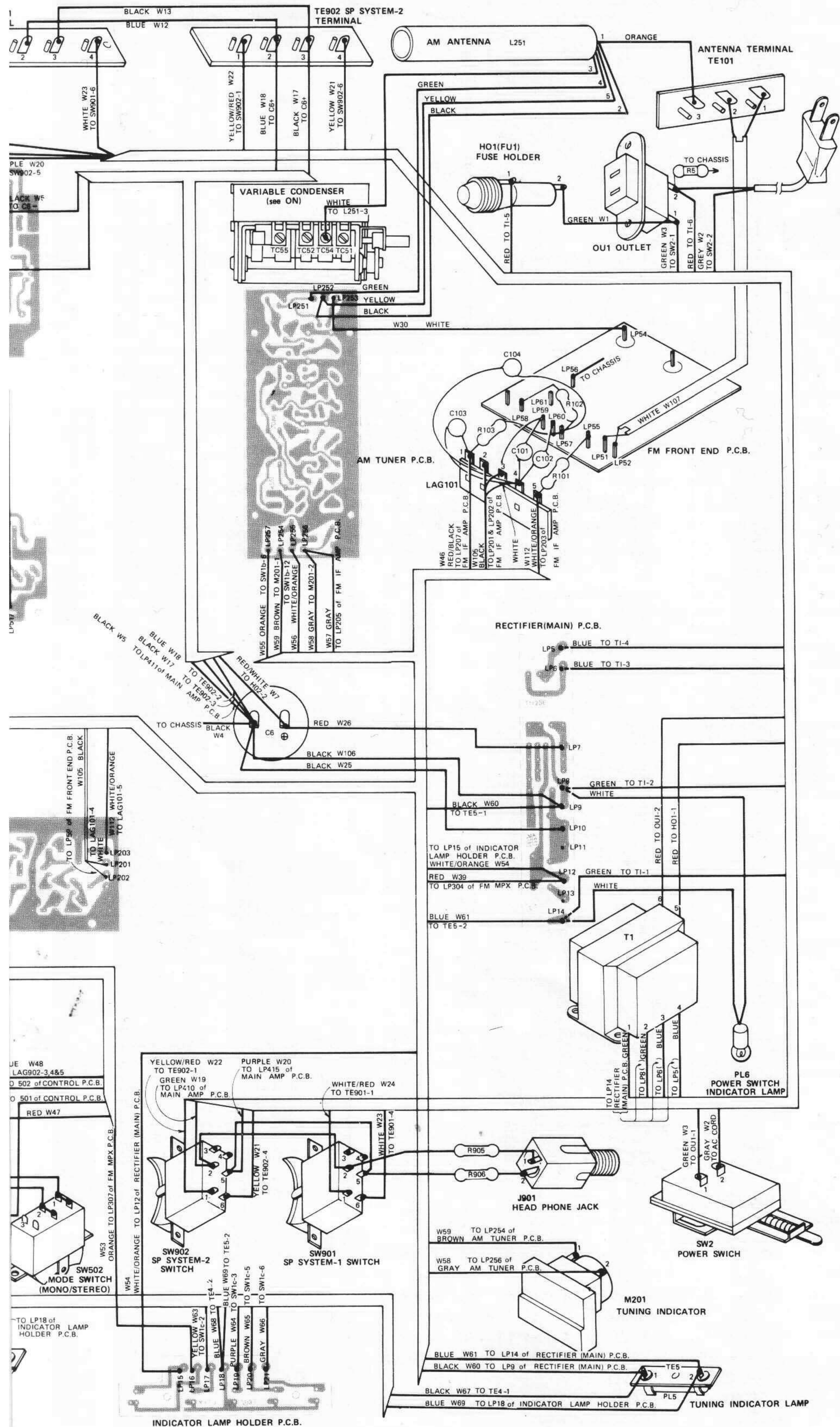
NOTE:        Set FUNCTION switch to FM

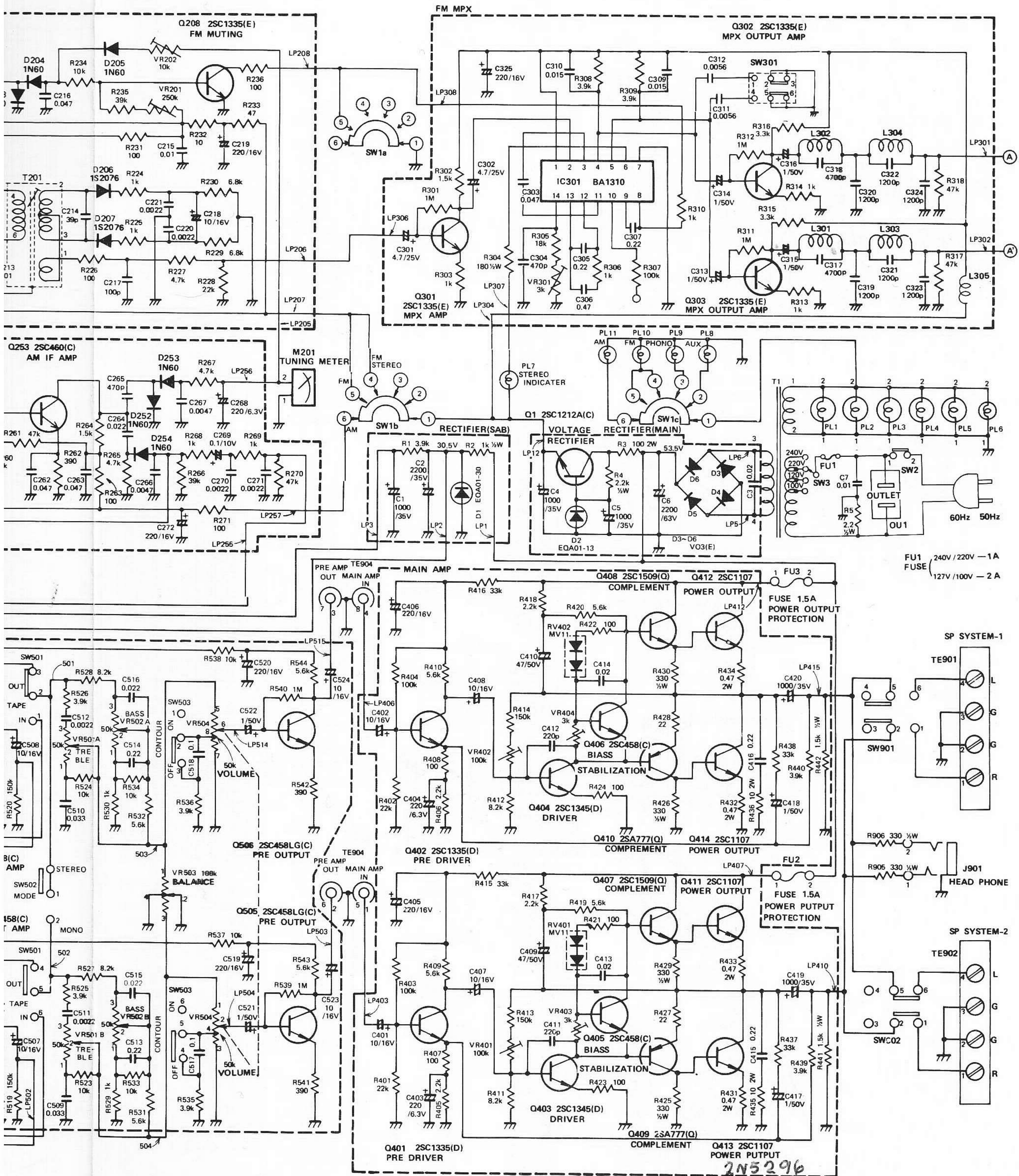
| Step | FM STEREO SIGNAL GENERATOR |                 | ADJUST | ADJUST FOR                    |
|------|----------------------------|-----------------|--------|-------------------------------|
|      | CONNECTED TO               | SIGNAL STRENGTH |        |                               |
| 1    | FM Antenna Terminal        | 1mV             | VR202  | To indicate 9 on Tuning Meter |

STRINGING DIAGRAM





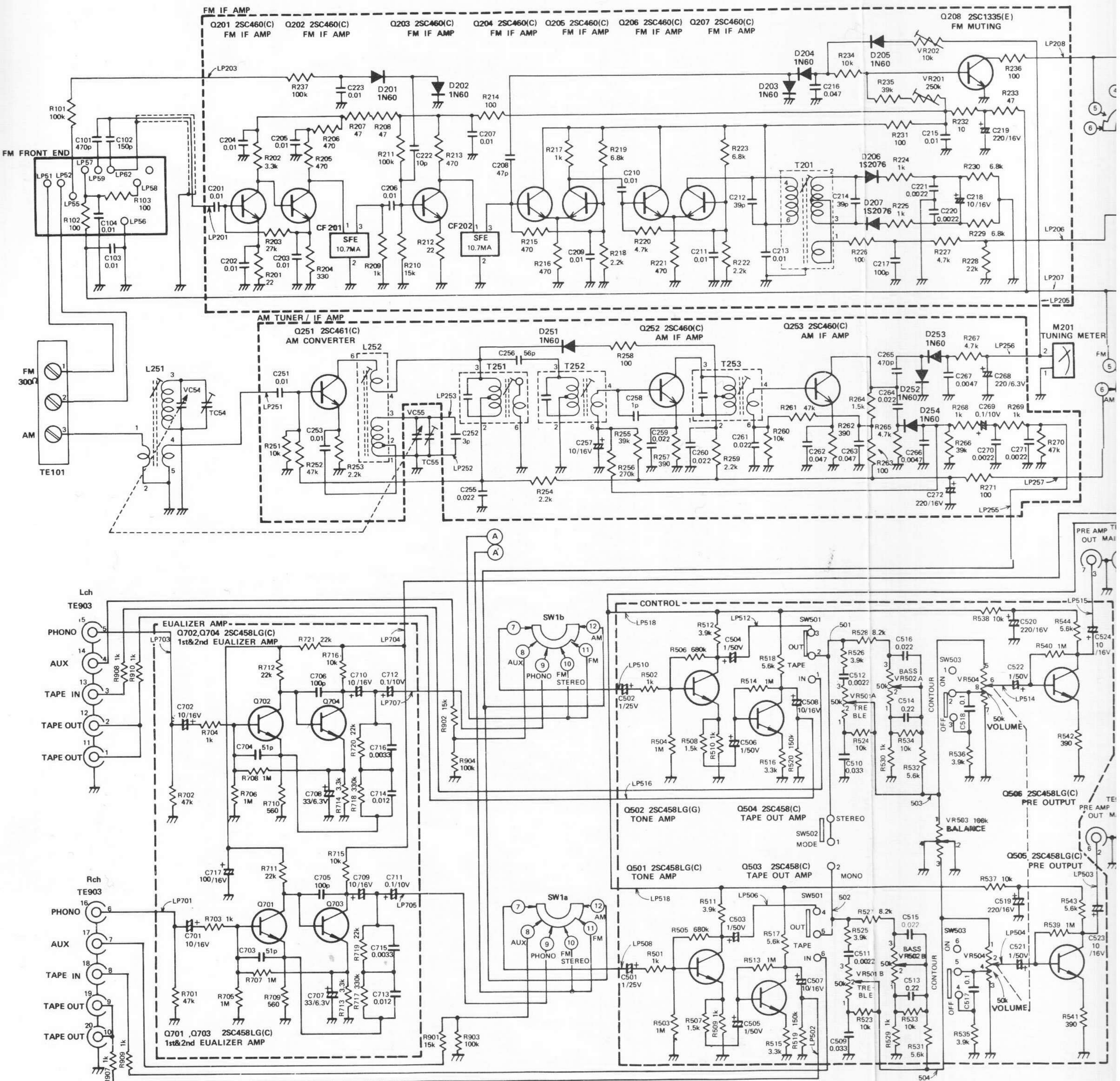




TRANSISTOR ELEMENTS VOLTAGES

|           | Q1   | Q201 | Q202 | Q203 | Q204 | Q205 | Q206 | Q207 | Q208 | Q251 | Q252 | Q253 | Q301 | Q302 | Q303 | Q401 | Q402 | Q404 | Q405 | Q406 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Collector | 47.9 | 2.0  | 6.0  | 7.6  | 10.6 | 8.4  | 10.6 | 10.6 | 0.02 | 10.7 | 9.2  | 7.2  | 8.4  | 6.1  | 6.1  | 6.5  | 6.5  | 24.6 | 26.4 | 26.4 |
| Base      | 13.5 | 0.7  | 2.0  | 0.8  | 2.5  | 2.5  | 2.5  | 2.5  | 0.6  | 1.8  | 1.2  | 1.9  | 3.1  | 2.4  | 2.4  | 2.3  | 2.3  | 1.0  | 26.3 | 25.3 |
| Emitter   | 12.9 | 0.05 | 1.3  | 0.1  | 1.9  | 1.9  | 1.9  | 1.9  | 0    | 1.2  | 0.6  | 1.2  | 2.5  | 1.8  | 1.8  | 1.6  | 1.6  | 0.4  | 24.6 | 24.6 |
|           | Q407 | Q408 | Q409 | Q410 | Q411 | Q412 | Q413 | Q414 | Q501 | Q502 | Q503 | Q504 | Q505 | Q506 | Q701 | Q702 | Q703 | Q704 |      |      |
| Collector | 53.5 | 53.5 | 0.6  | 0.6  | 53.5 | 53.5 | 25.2 | 25.2 | 16.9 | 16.9 | 17.2 | 17.2 | 6.8  | 6.8  | 3.6  | 3.6  | 10.8 | 10.8 |      |      |
| Base      | 26.4 | 26.4 | 24.6 | 24.6 | 25.8 | 25.8 | 0.6  | 0.6  | 4.2  | 4.2  | 8.4  | 8.4  | 1.2  | 1.2  | 0.8  | 0.8  | 3.8  | 3.8  |      |      |
| Emitter   | 25.8 | 25.8 | 25.2 | 25.2 | 25.2 | 25.2 | 0    | 0    | 3.6  | 3.6  | 7.9  | 7.9  | 0.6  | 0.6  | 0.1  | 0.1  | 3.2  | 3.2  |      |      |

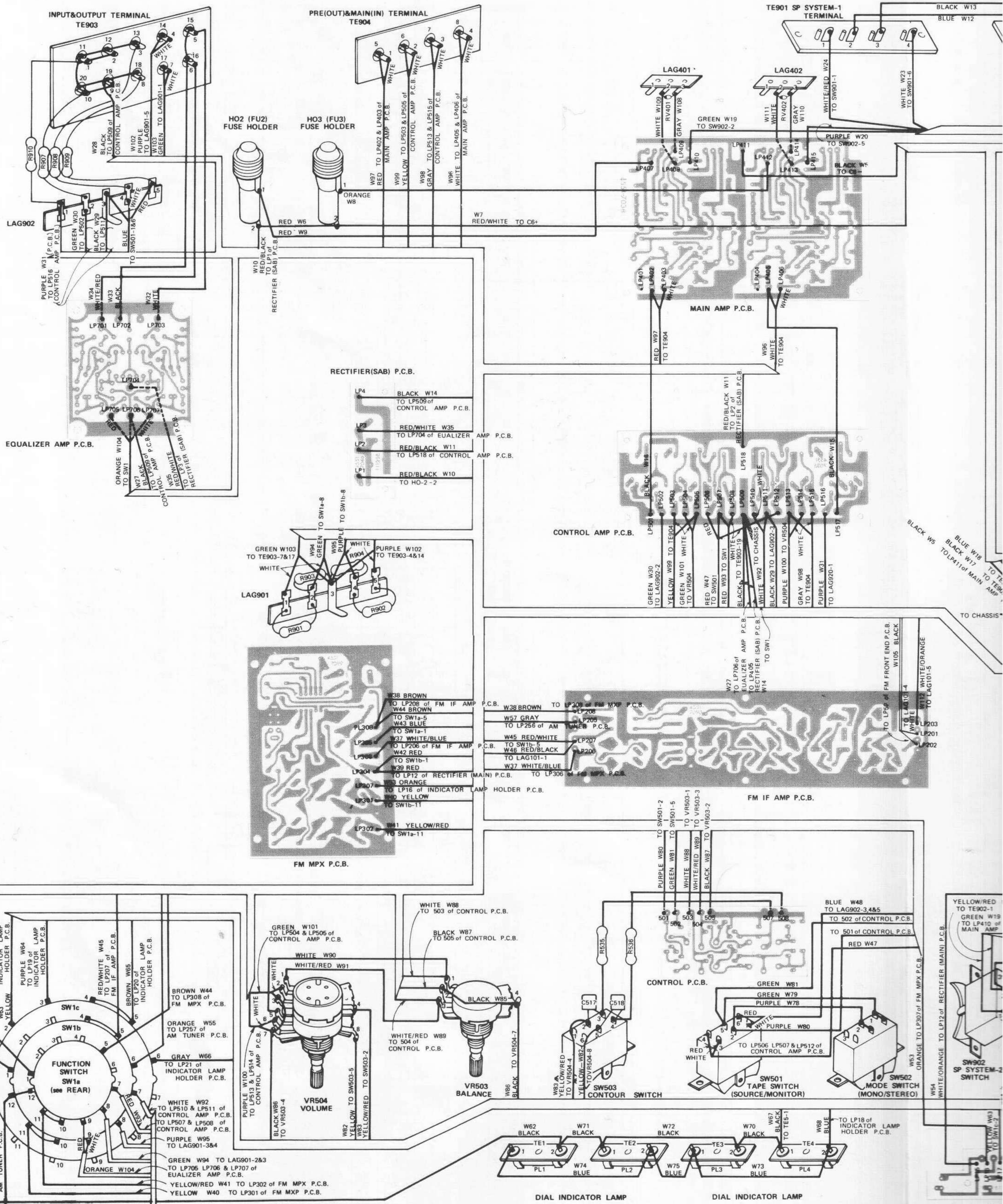
Volts

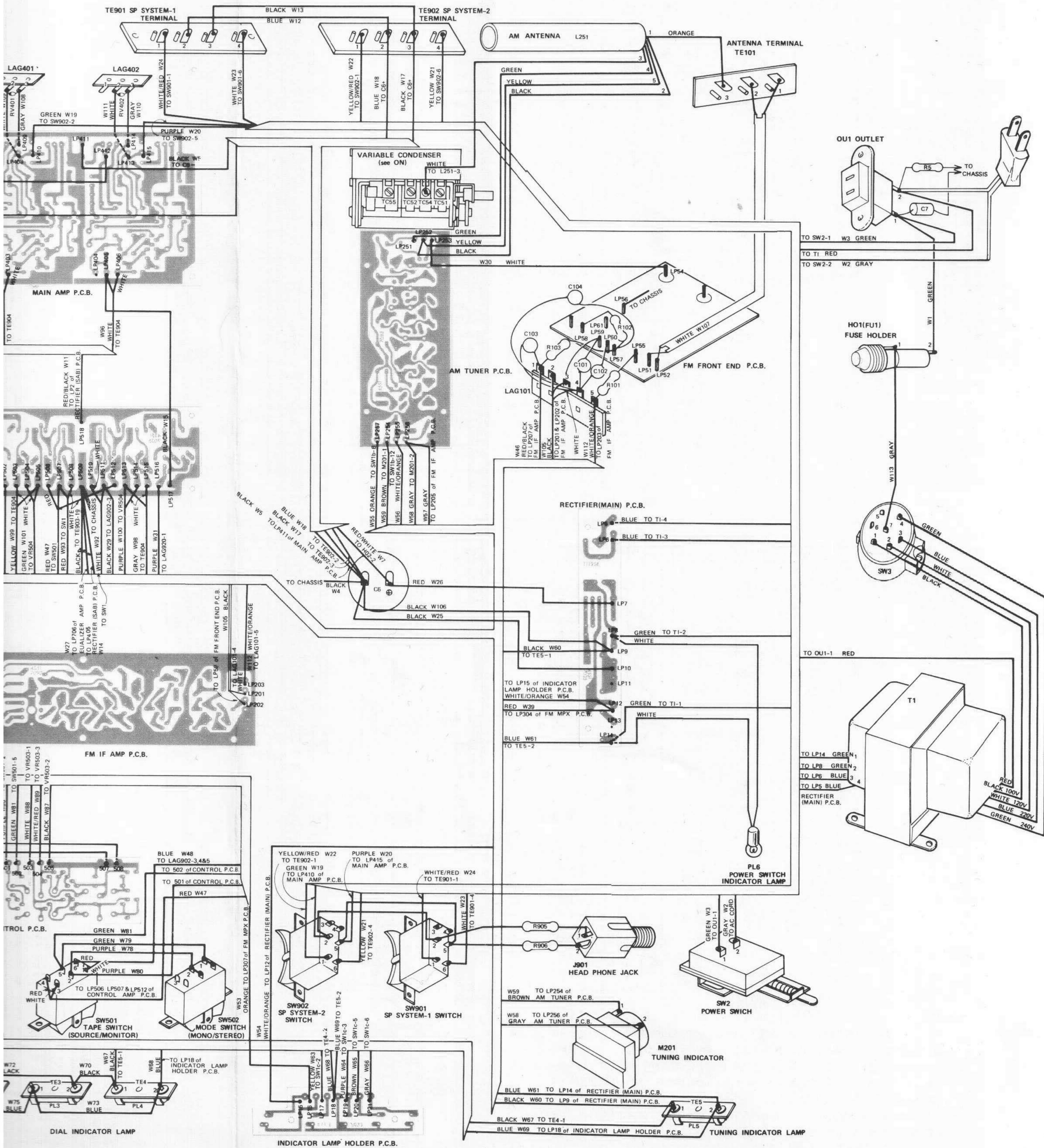


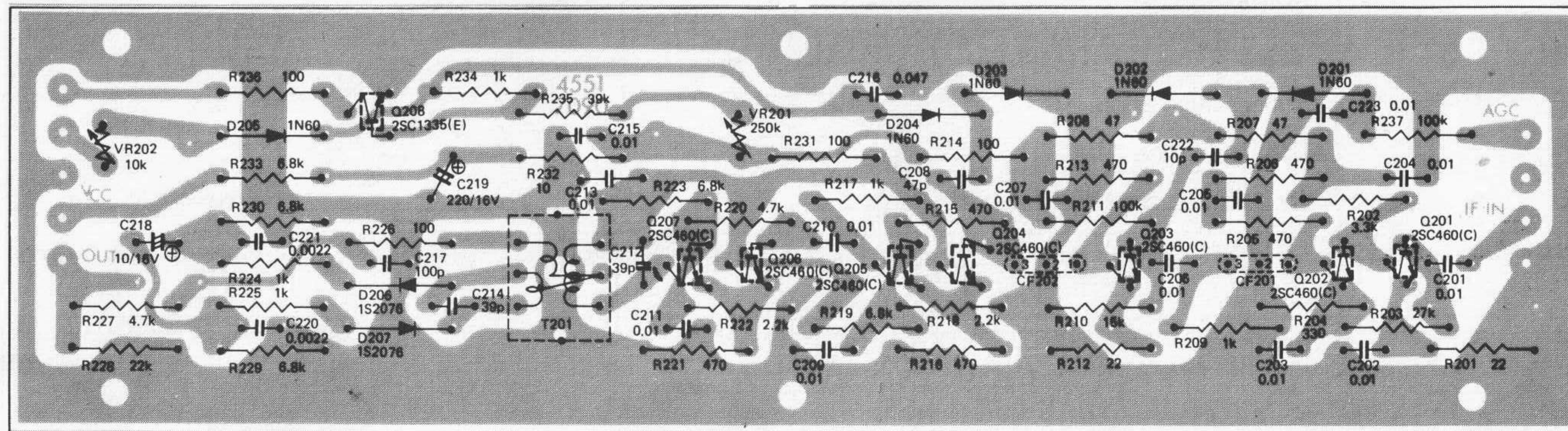
# NOTES

1. ALL RESISTANCES ARE  $\pm 5\%$ ,  $\frac{1}{4}$  WATT, UNLESS NOTED OTHERWISE. VALUES ARE IN OHMS. K = 1000 M = 1000K
2. ALL CAPACITANCES VALUES BELOW 1.0 ARE IN MF, THOSE 1.0 AND ABOVE ARE IN PF. UNLESS NOTED OTHERWISE. (EXCEPT ELECTROLYTICS)
3. VOLTAGE READINGS TO NEGATIVE LINE (—) ARE MEASURED WITH V.T.V.M. UNDER NO SIGNAL
4. FUNCTION SWITCH SW1 IS IN AM POSITION.

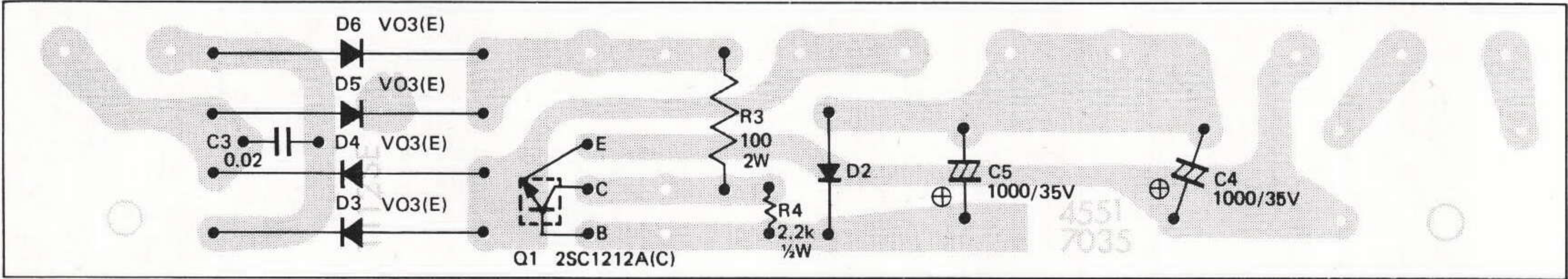
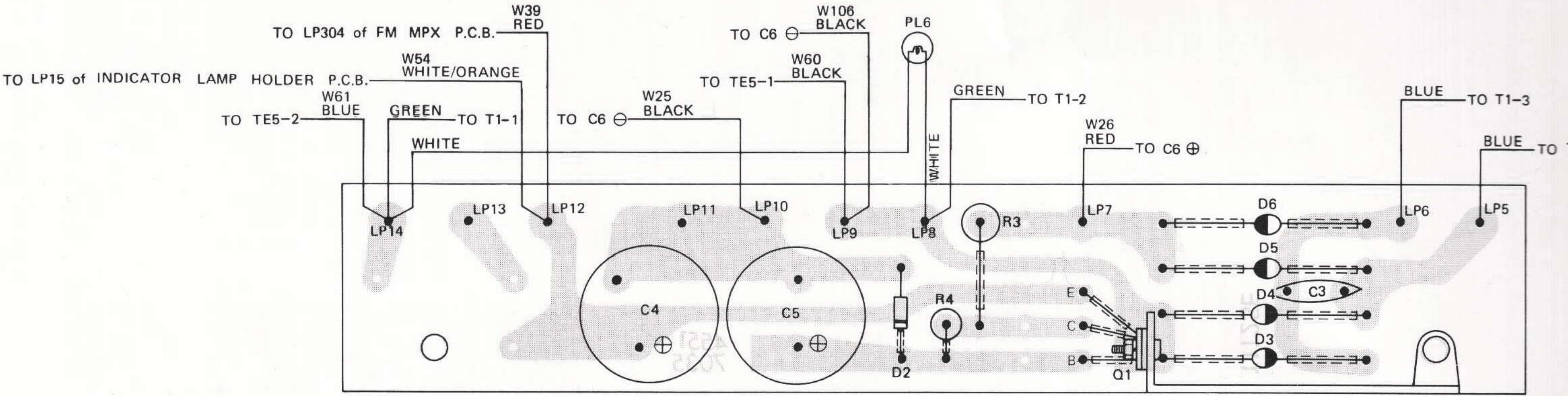
|      |      |      |
|------|------|------|
| T251 | T252 | T201 |
| 30   | 04   | 30   |
| 20   | 0    | 20   |
| 10   | 06   | 10   |



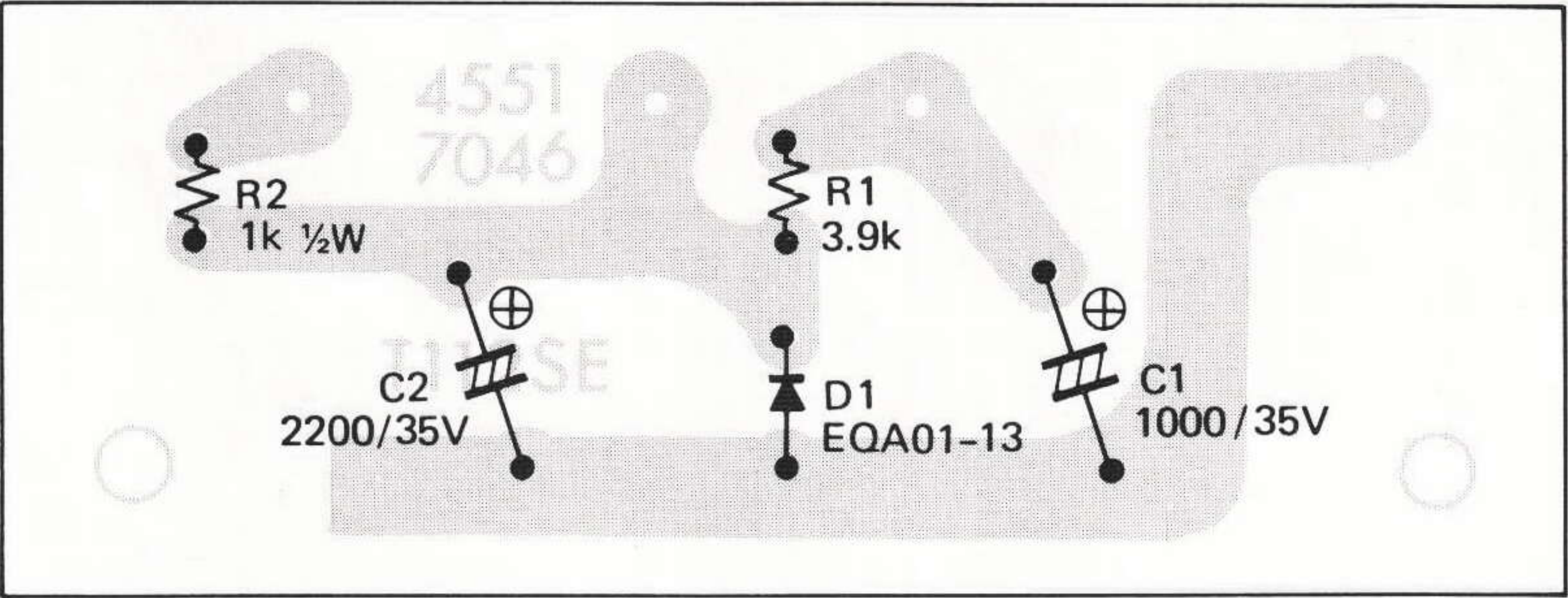
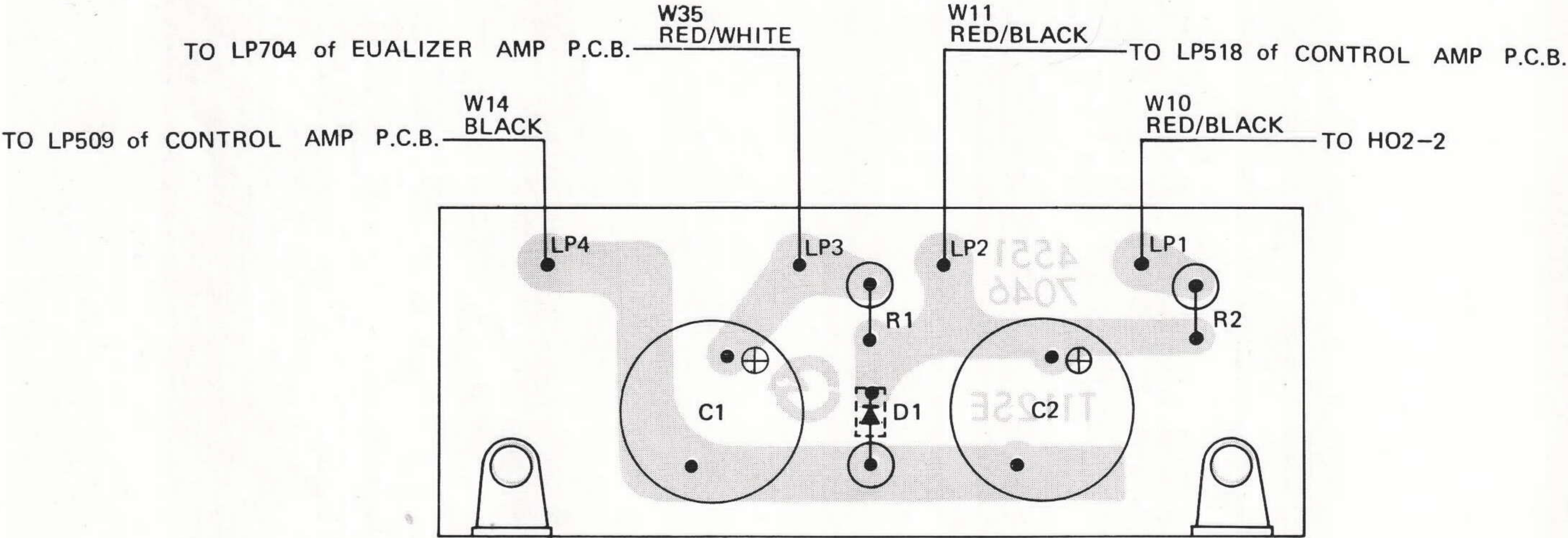


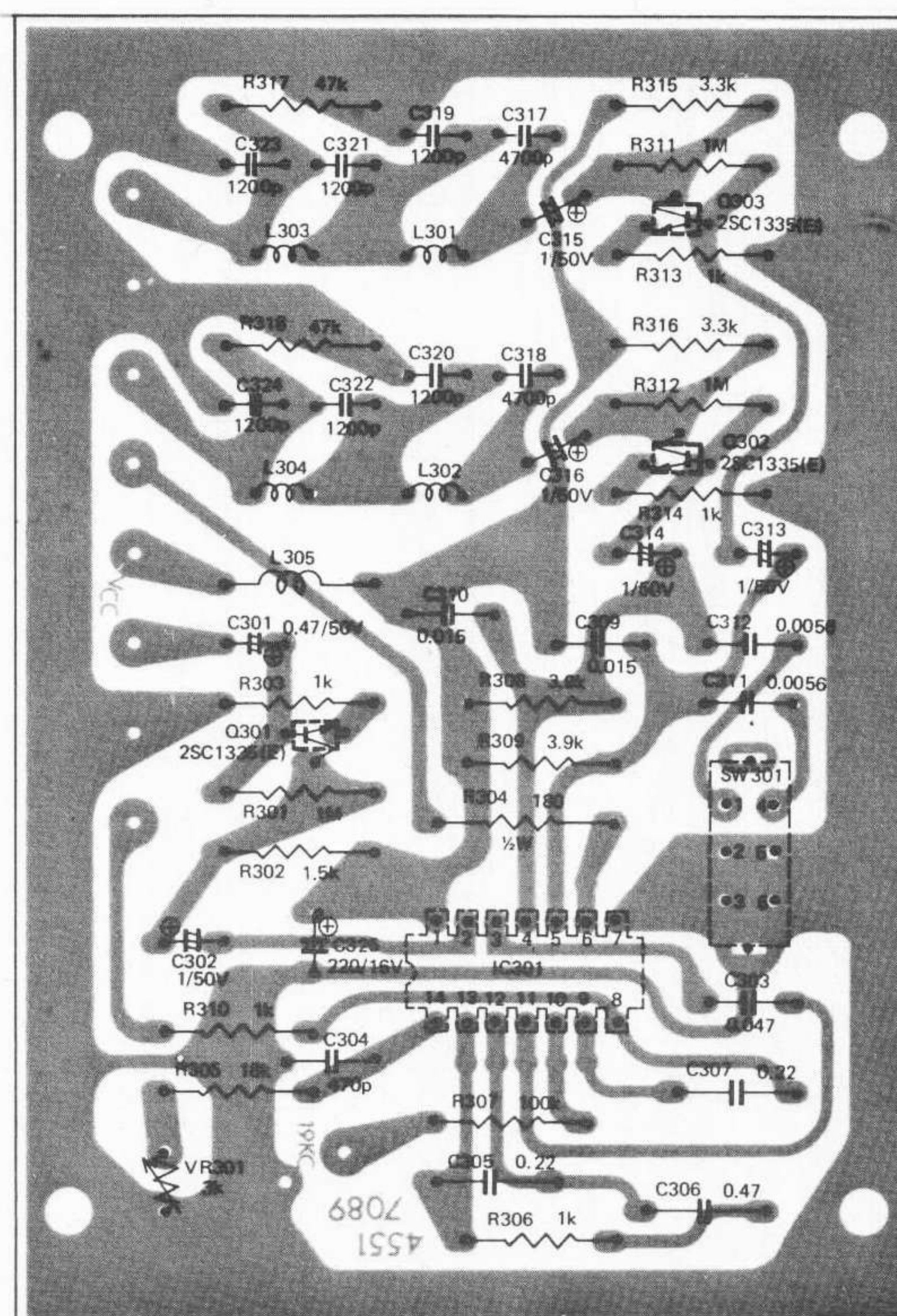


RECTIFIER (MAIN) BOARD

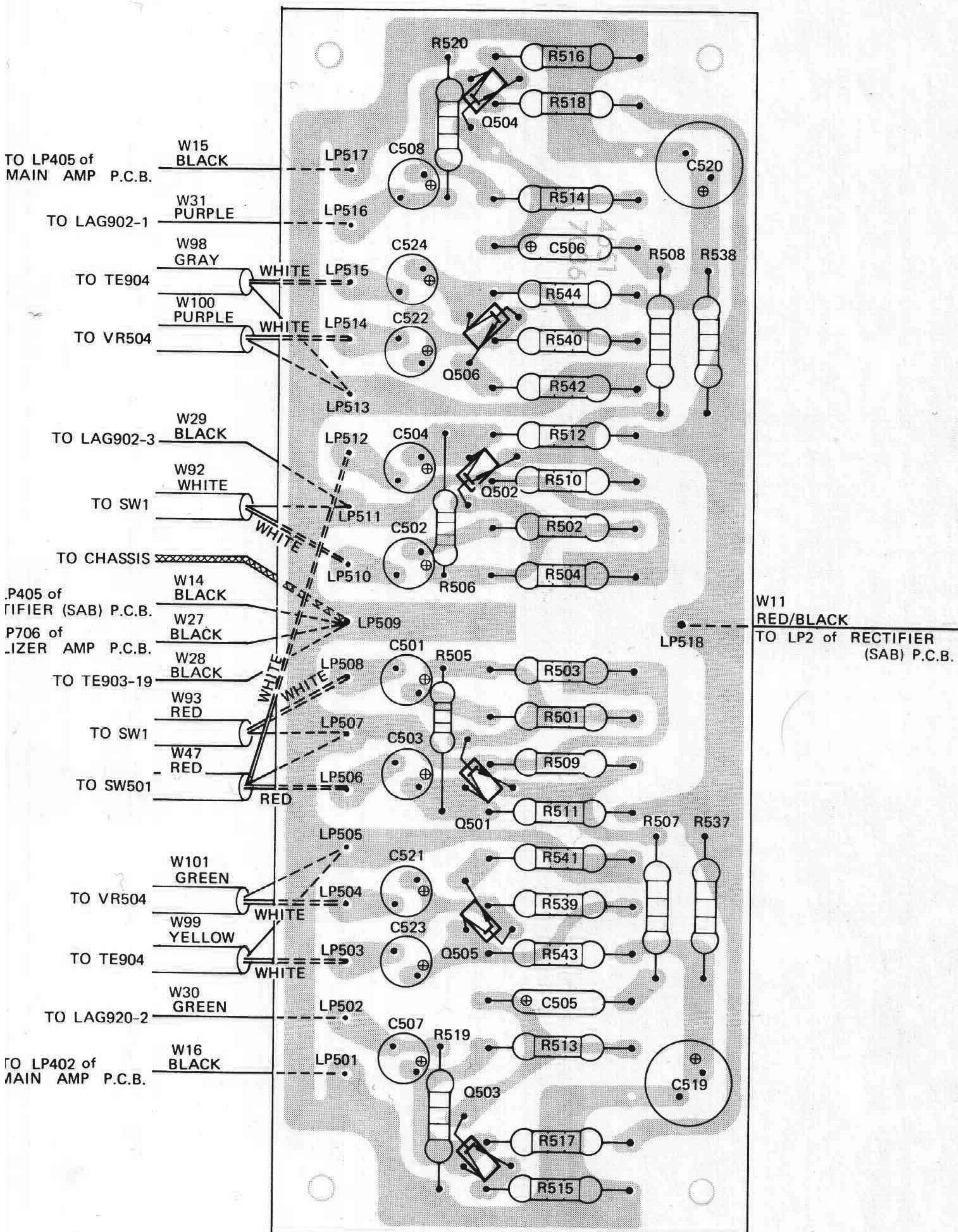


RECTIFIER (SUB) BOARD

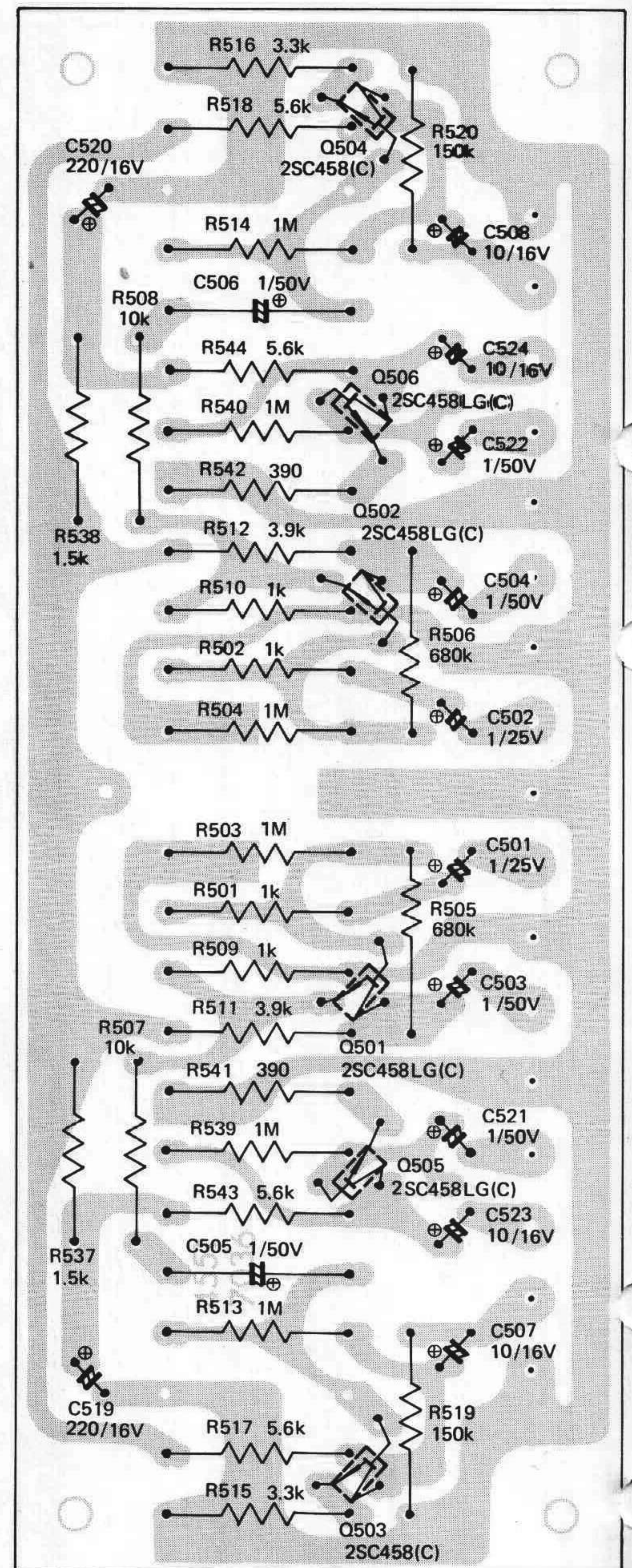




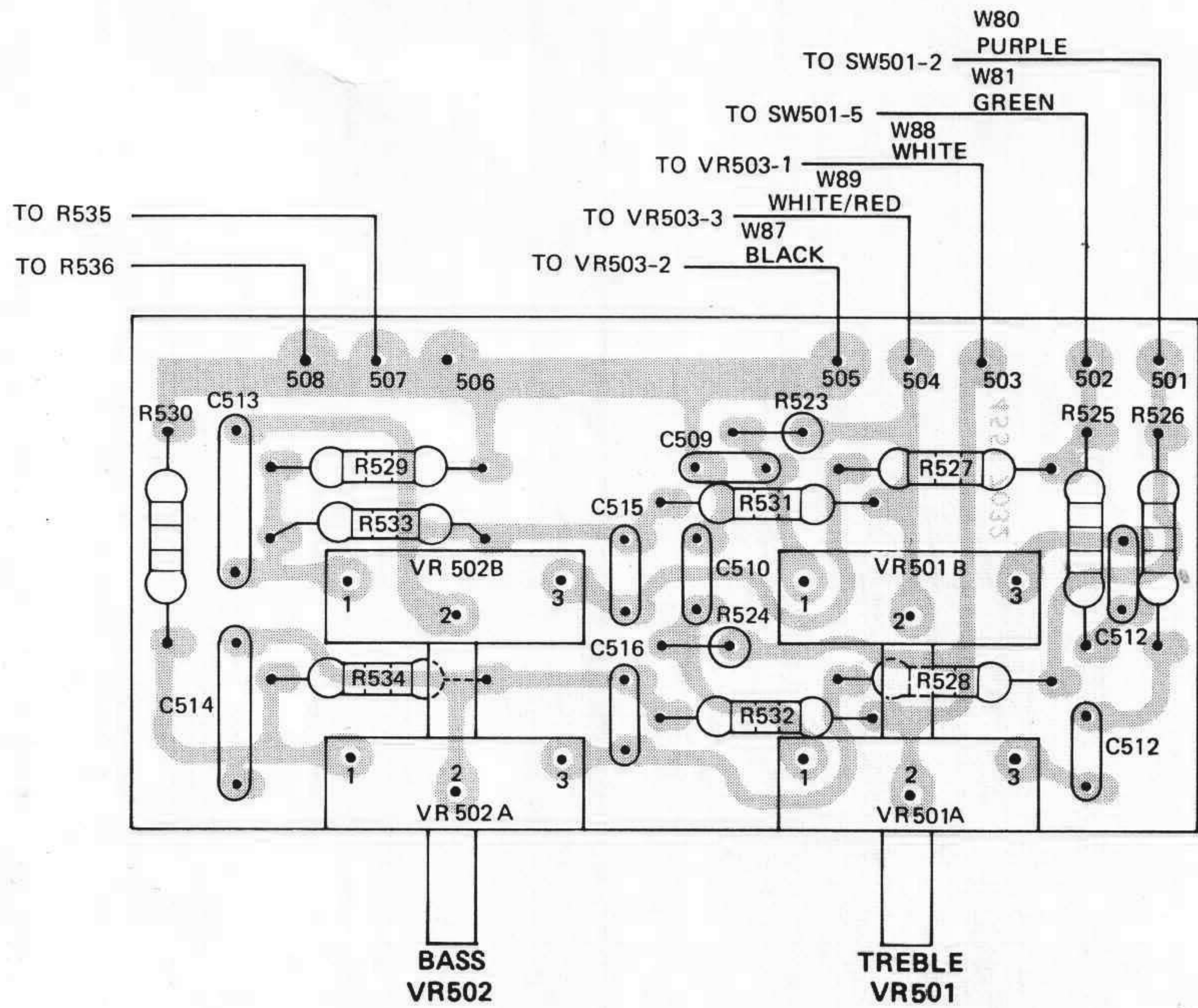
# CONTROL AMP BOARD (COMPONENT SIDE)



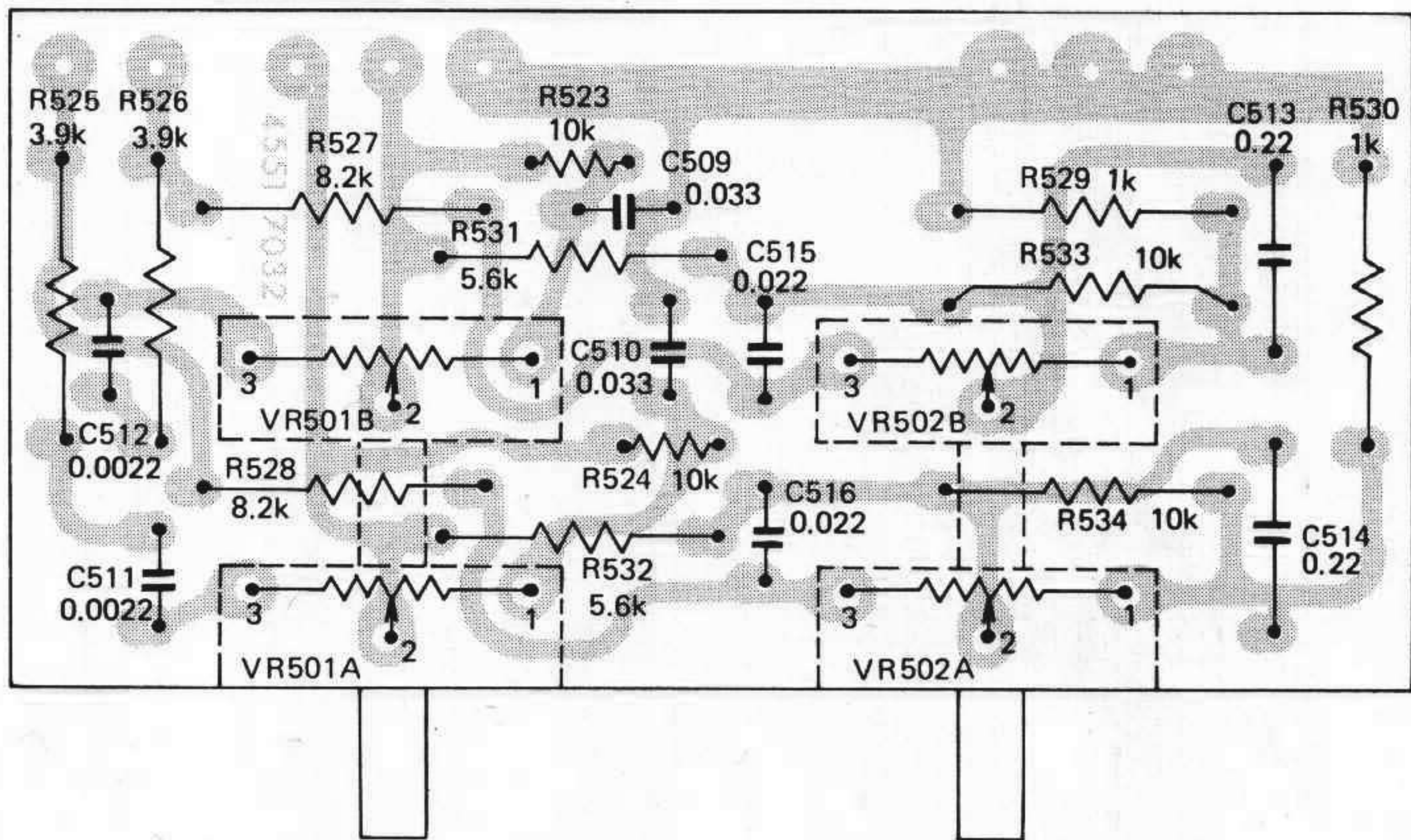
# CONTROL AMP BOARD (CIRCUIT SIDE)



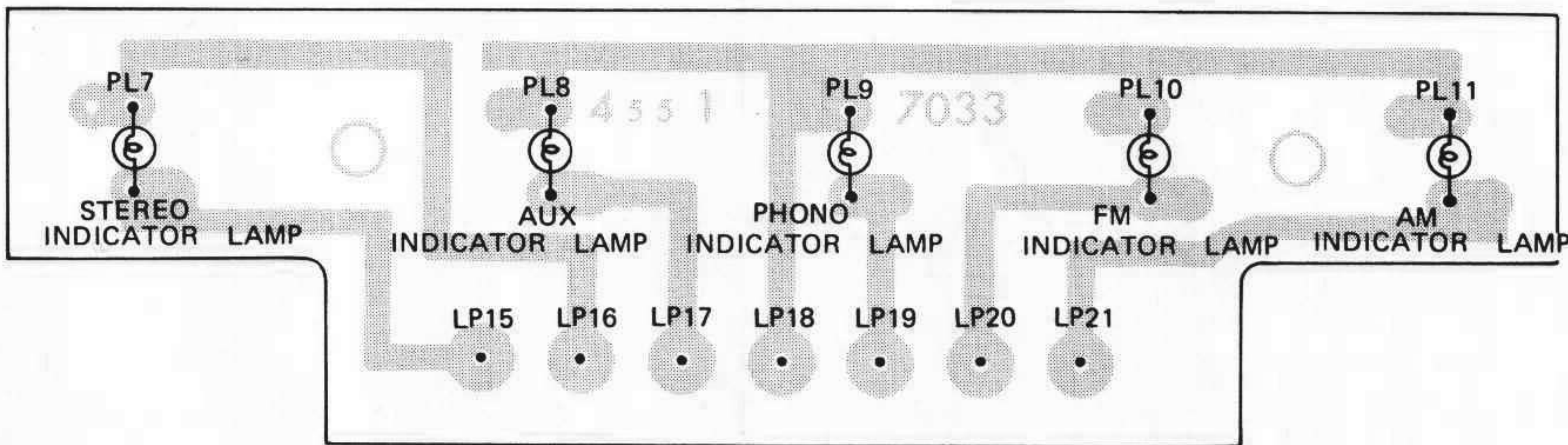
CONTROL BOARD (COMPONENT SIDE)



CONTROL BOARD (CIRCUIT SIDE)



INDICATOR LAMP HOLDER BOARD



TO LP517 of  
CONTROL AMP P.C.B.

W96  
WHITE  
TO TE904

W15  
BLACK

WHITE  
TO TE904-4

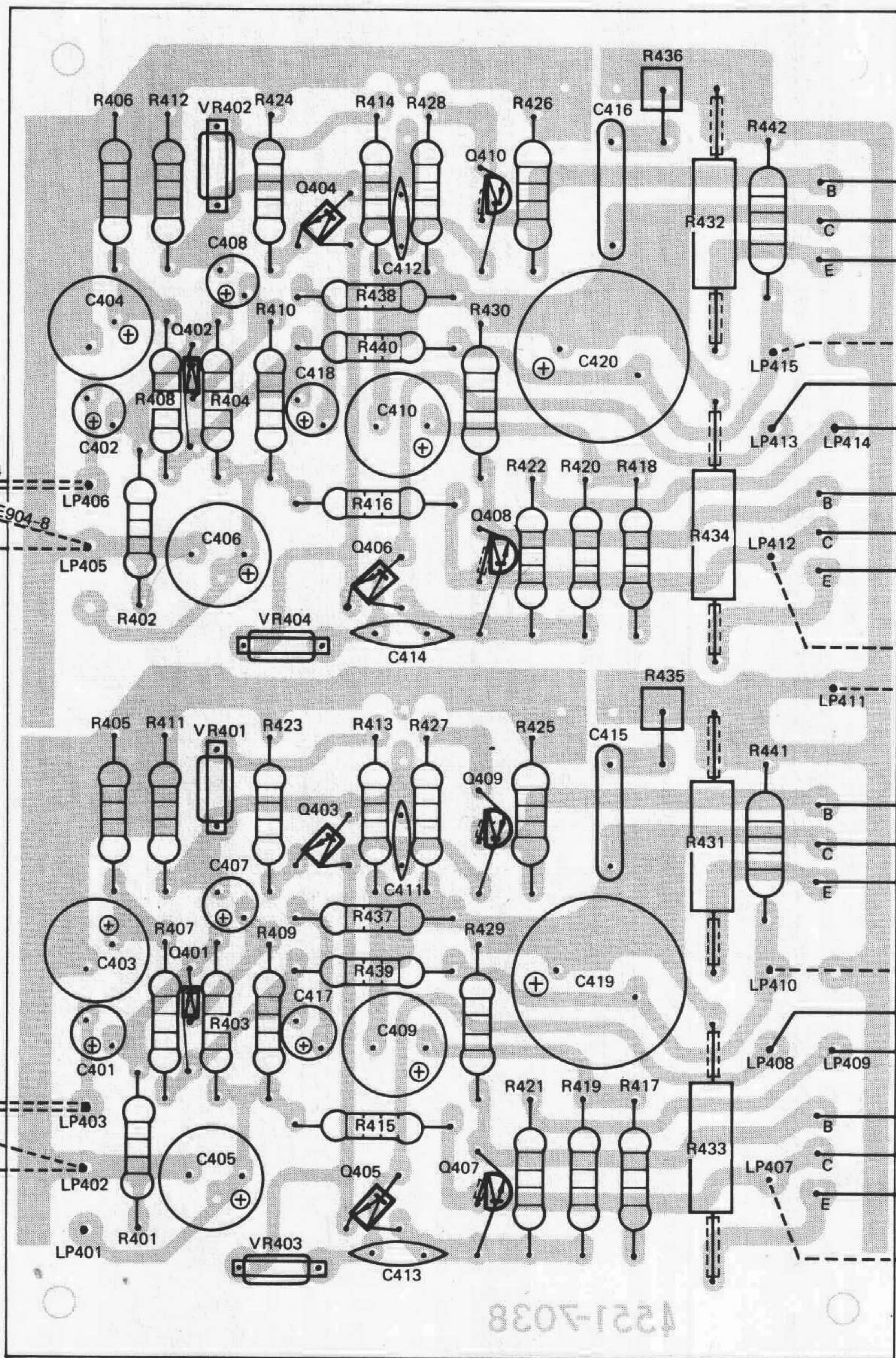
TO TE904-8

TO LP501 of  
CONTROL AMP P.C.B.

W97  
RED  
TO TE904

W16  
BLACK

WHITE



W20  
PURPLE  
TO SW902-5

W111  
WHITE  
TO LAG402-2

W110  
GRAY  
TO LAG402-3

W8  
ORANGE  
TO HO3-1

W5  
BLACK  
TO C6 ⊖

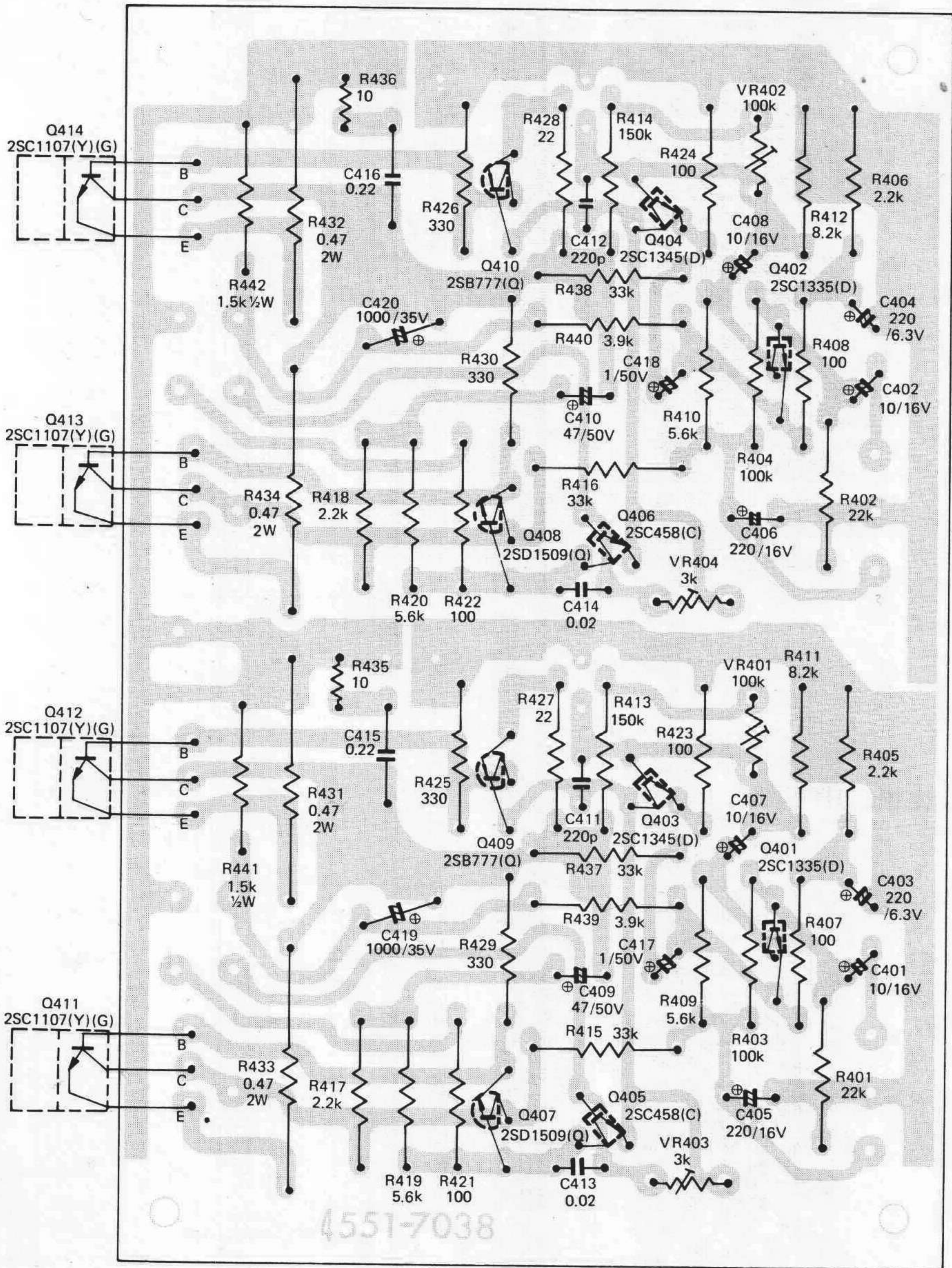
W19  
GREEN  
TO SW902-2

W109  
WHITE  
TO LAG401-2

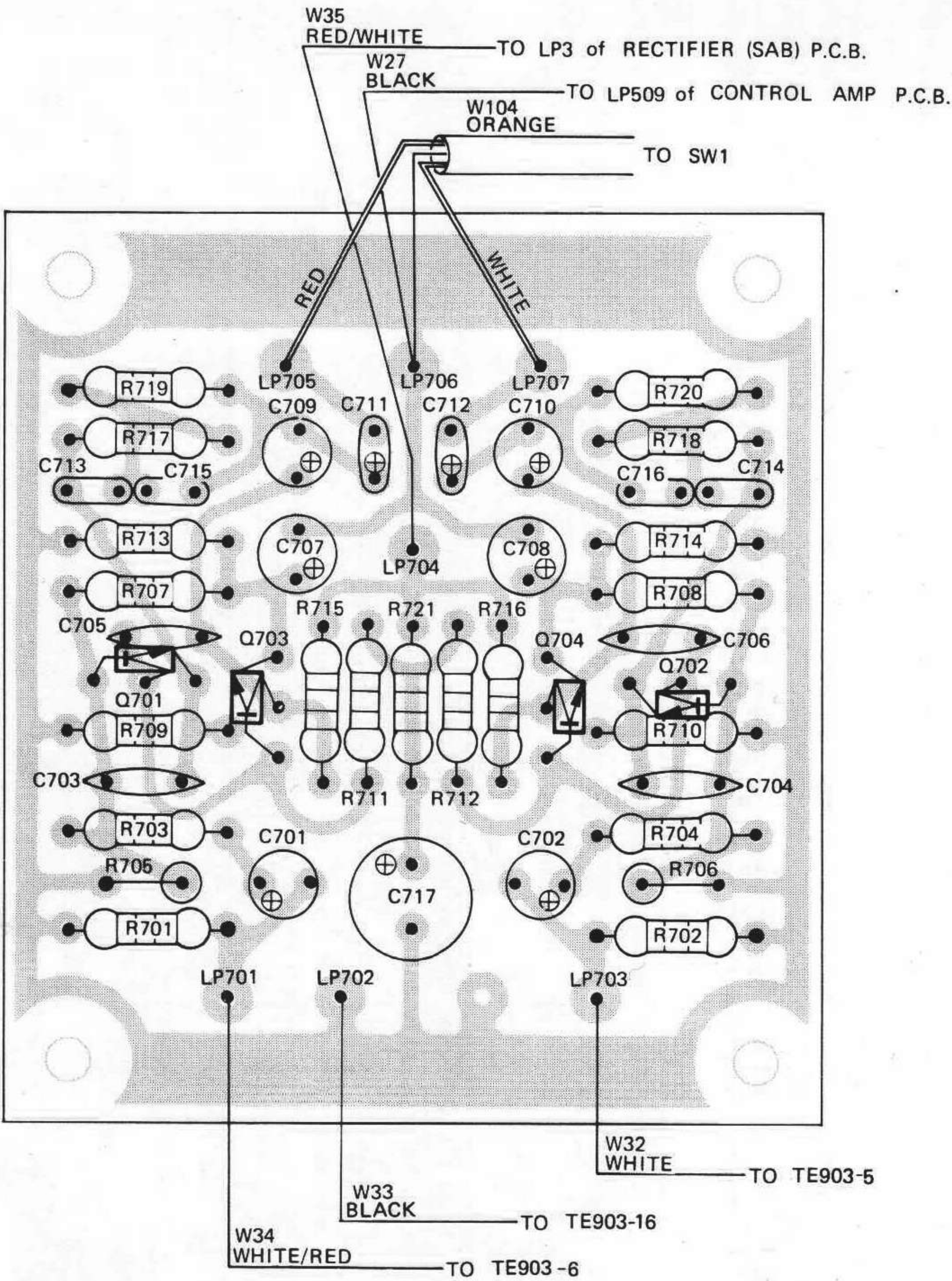
W108  
GRAY  
TO LAG401-3

W9  
RED  
TO HO2-1

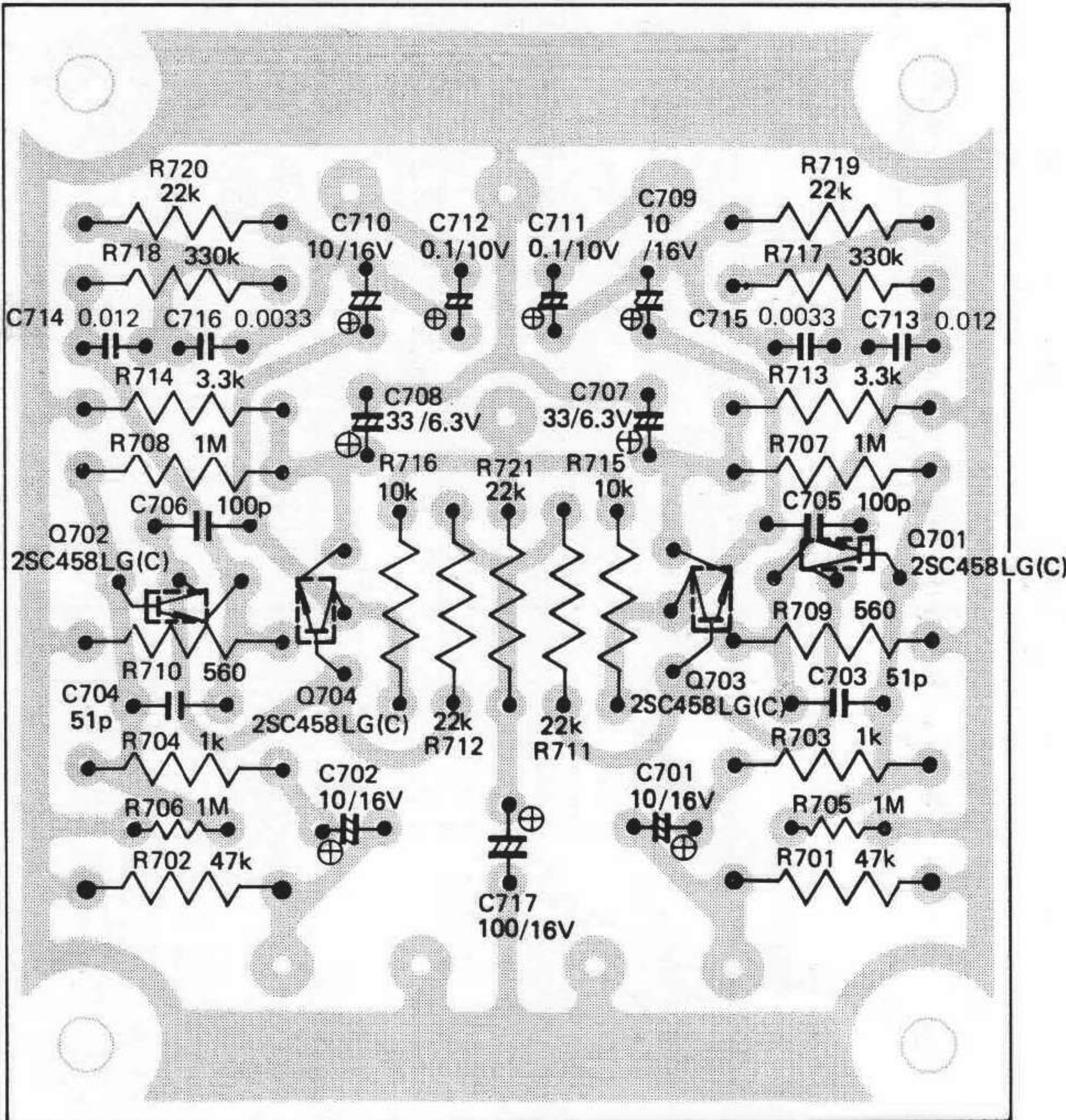
4221-2038

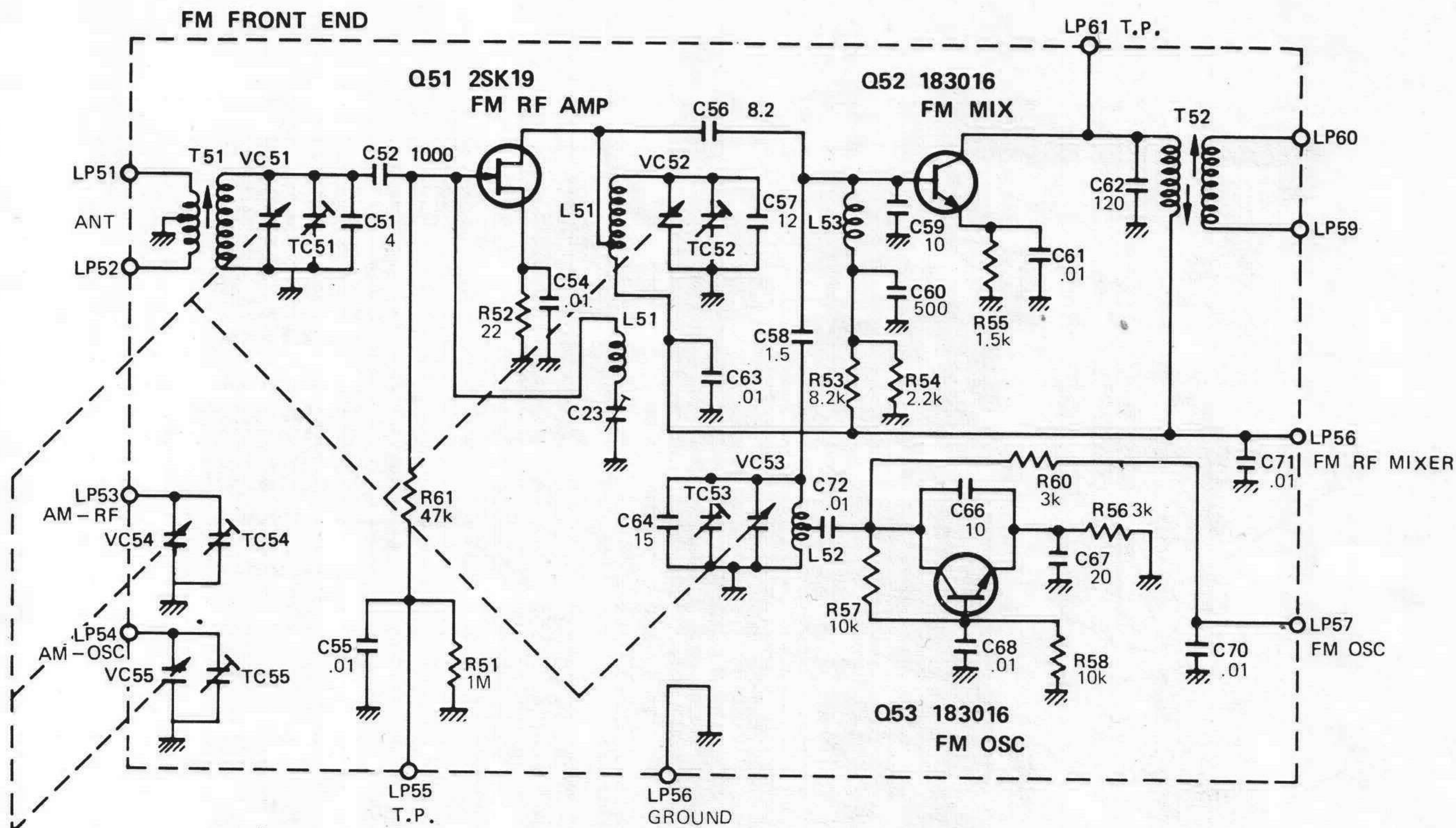


EQUALIZER AMP BOARD (COMPONENT SIDE)



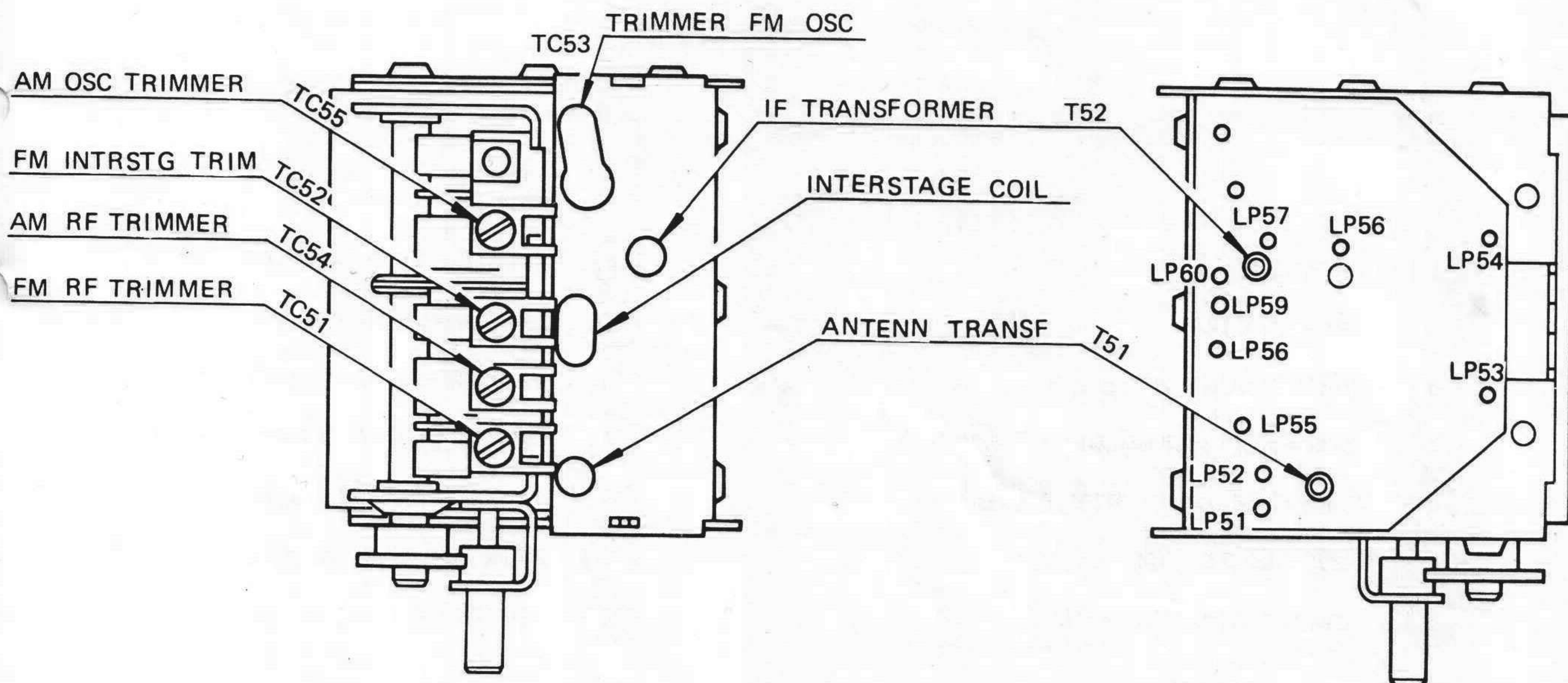
EQUALIZER AMP BOARD (CIRCUIT SIDE)

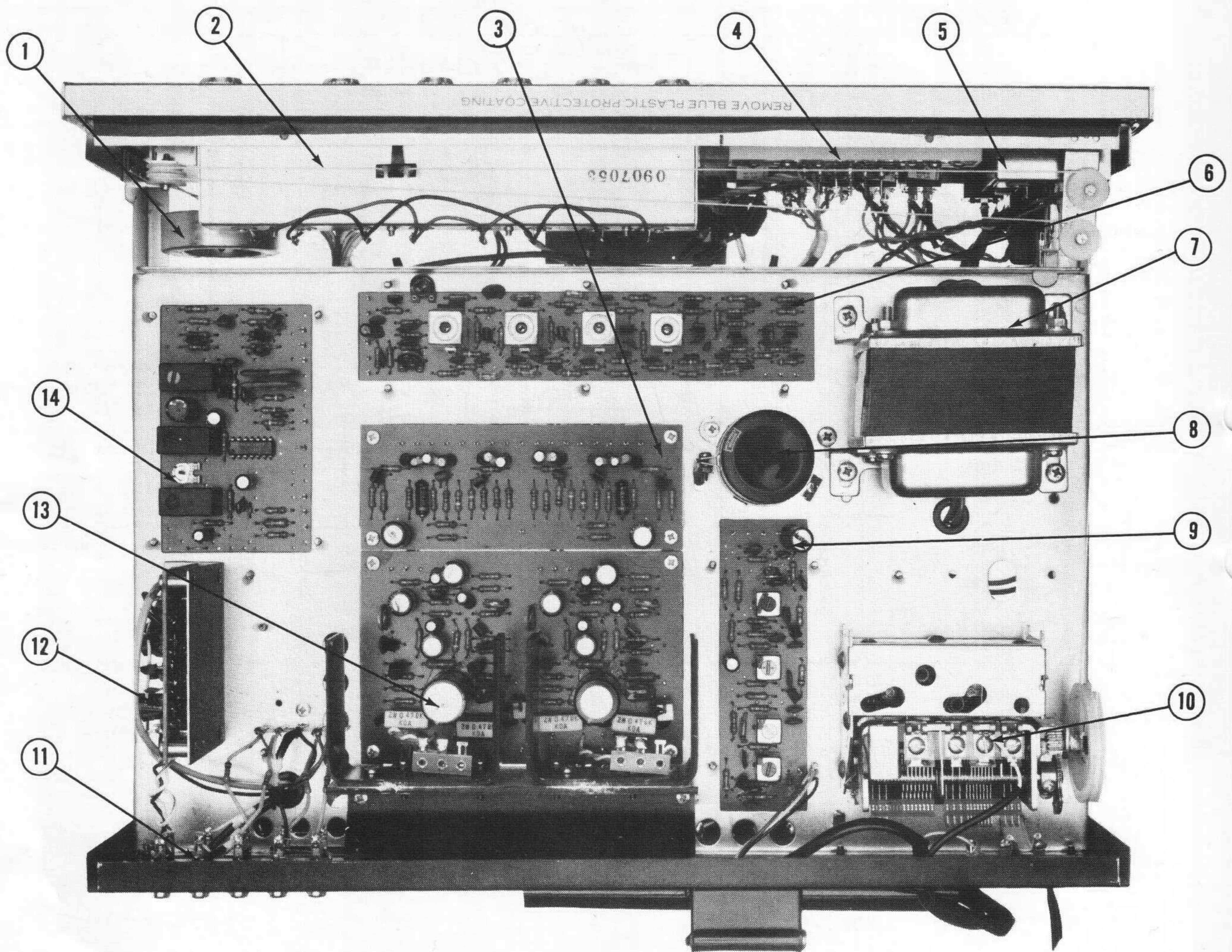




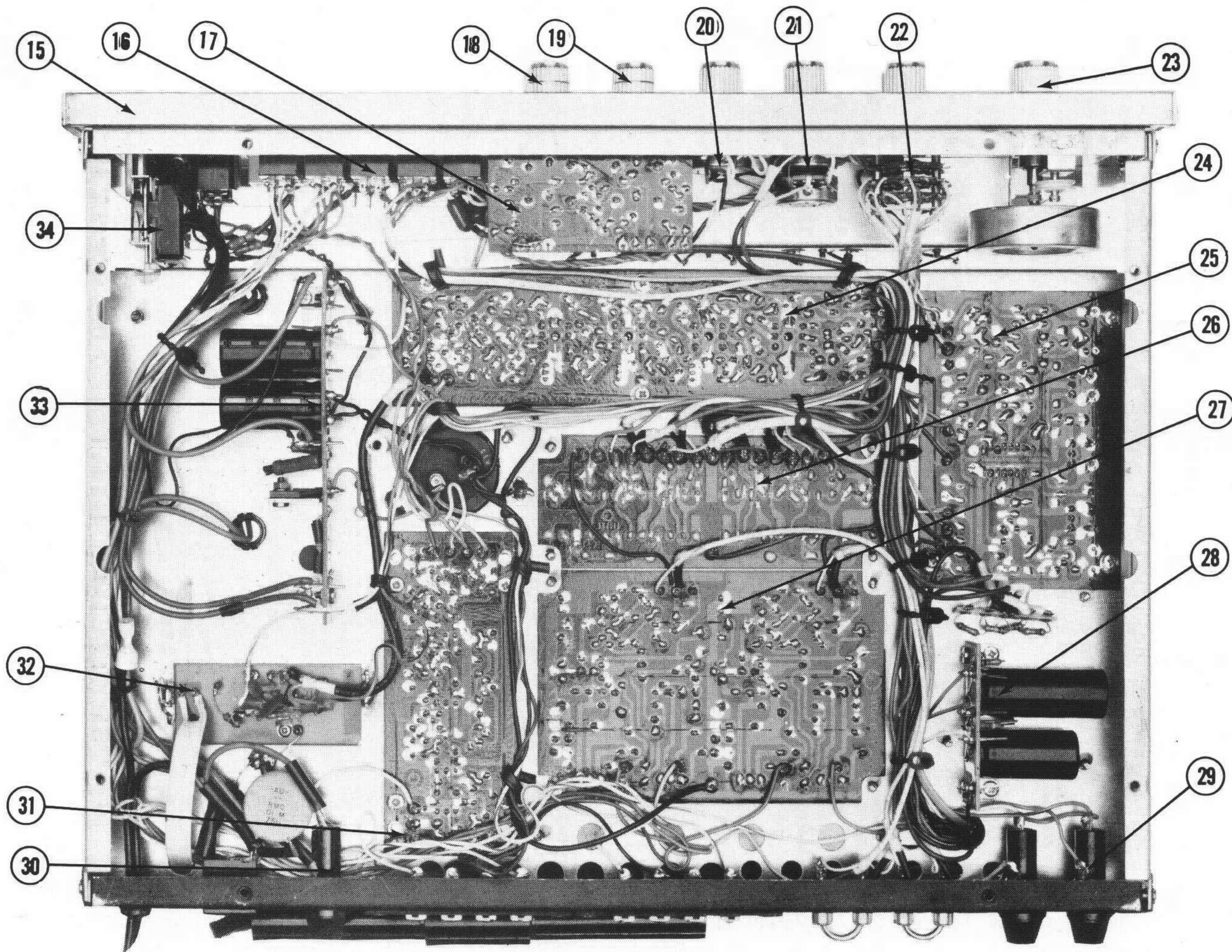
TOP VIEW

BOTTOM VIEW





- |   |                                       |   |                                           |
|---|---------------------------------------|---|-------------------------------------------|
| ① | FLYWHEEL                              | ⑧ | ELECTROLYTIC CAPACITOR, 2200 $\mu$ F, 63V |
| ② | LAMP HOUSING                          | ⑨ | AM TUNER P.C.B. (PG. 15)                  |
| ③ | CONTROL AMP P.C.B. (PG. 18)           | ⑩ | VARIABLE CONDENSOR (PG. 23)               |
| ④ | INDICATOR LAMP HOLDER P.C.B. (PG. 19) | ⑪ | INPUT & OUTPUT TERMINAL TE903             |
| ⑤ | TUNING INDICATOR M201, & LAMP PL5     | ⑫ | EQUALIZER AMP P.C.B. (PG. 22)             |
| ⑥ | FM-IF AMP P.C.B. (PG. 13)             | ⑬ | MAIN AMP P.C.B. (PG. 20 and 21)           |
| ⑦ | POWER TRANSFORMER TI                  | ⑭ | FM MPX P.C.B. (PG. 16 and 17)             |



- |   |                           |   |                                  |
|---|---------------------------|---|----------------------------------|
| ⑮ | FRONT PANEL               | ⑮ | FM MPX P.C.B. (PG. 16 and 17)    |
| ⑯ | ROCKER SW501-503,901,902  | ⑯ | CONTROL AMP P.C.B. (PG. 18)      |
| ⑰ | CONTROL P.C.B. (PG. 19)   | ⑰ | MAIN AMP P.C.B. (PG. 20 and 21)  |
| ⑱ | BASS CONTROL              | ⑱ | RECTIFIER (SUB) P.C.B. (PG. 14)  |
| ⑲ | TREBLE CONTROL            | ⑲ | SPEAKER FUSES FU2,FU3            |
| ⑳ | BALANCE CONTROL           | ⑳ | AC FUSE FU1                      |
| ㉑ | VOLUME CONTROL            | ㉑ | AM TUNER P.C.B. (PG. 15)         |
| ㉒ | FUNCTION SWITCH SW1       | ㉒ | VARIABLE CONDENSOR               |
| ㉓ | TUNING                    | ㉓ | RECTIFIER (MAIN) P.C.B. (PG. 14) |
| ㉔ | FM-IF AMP P.C.B. (PG. 13) | ㉔ | POWER SWITCH SW2                 |

# REPLACEMENT PARTS LIST

| REF. NO.            | HK<br>PART NO. | DESCRIPTION                                            | REF. NO.                    | HK<br>PART NO. | DESCRIPTION                                 |
|---------------------|----------------|--------------------------------------------------------|-----------------------------|----------------|---------------------------------------------|
| <b>POWER SOURCE</b> |                |                                                        | <b>FM IF AMP</b>            |                |                                             |
| C1,4,5              | 31129491       | 1000 $\mu$ F +50% – 10% 35V<br>Electrolytic            | CF201,202                   | 12030549       | Ceramic Filter, SFE 10.7mA                  |
| C2                  | 31819227       | 2200 $\mu$ F +50% – 10% 35V<br>Electrolytic            | D201,202                    | 41029290       | Diode, 1N60, FM Detector                    |
| C6                  | 31825664       | 2200 $\mu$ F +50% – 10% 63V<br>Electrolytic            | 203,204,<br>205             |                |                                             |
| D1                  | 41029498       | Diode EQA01-30                                         | D206,207                    | 41030552       | Diode, IS2076, FM<br>Ratio Detector         |
| D2                  | 42029566       | Diode EQA01-13                                         | T201                        | 12030553       | Transformer                                 |
| D3,4,5,6            | 41029499       | Diode V03(E)                                           | Q201,202,                   | 43029472       | Transistor 2SC460(C)                        |
| Q1                  | 43025972       | Transistor 2SC1212A(C)<br>Voltage Rectifier            | 203,204,<br>205,206,<br>207 |                | 1st thru 7th<br>FM IF AMP                   |
| T1                  | 10130560       | Transformer, Power, Export                             | Q208                        | 43030569       | Transistor 2SC1335(E)<br>FM Muting          |
| T1                  | 10129497       | Transformer, Power, Domestic                           | VR201                       | 23530558       | 250K ohm Variable Resistor                  |
| D551-<br>HK330K     | 00129462       | Indicator Lamp Holder,<br>P.C.B. Complete              | VR202                       | 23530559       | 10K ohm Variable Resistor                   |
| D551-<br>HK330H     | 00129460       | Rectifier (Main) P.C.B.<br>Complete                    | M201                        | 12529522       | Meter, Tuning Indicator                     |
| D551-<br>HK330J     | 00129464       | Rectifier (Sub) P.C.B.<br>Complete                     |                             |                |                                             |
| SW1                 | 24029523       | Function Switch                                        | <b>AM TUNER</b>             |                |                                             |
| SW2                 | 24029514       | Power Switch                                           | D251,252,                   | 41029290       | Diode, 1N60, AM Det                         |
| SW3                 | 25530562       | Switch, Power Source<br>Volt. Sel.                     | 253,254                     |                |                                             |
| H01,2,3             | 65424895       | Fuse Holder                                            | L251                        | 12030563       | Coil AM Antenna                             |
| FU1                 | 45012856       | Fuse 2.0A AC Power Export                              | L252                        | 12030561       | Coil AM OSC                                 |
| FU1                 | 45029684       | Fuse 1.0A AC Power Domestic                            | T251,252                    | 10130556       | Transformer AM IF                           |
| FU2,3               | 45012953       | Fuse 1.5A Power Output<br>Protection                   | T253                        | 10130557       | Transformer 3rd AM IF                       |
| TE1,2,3,<br>4,5     | 65429517       | Terminal Dial & Tuning<br>Indicator Lamp               | Q251                        | 43029471       | Transistor 2SC461(C)<br>AM Converter        |
| PL1,2,3,<br>4,5     | 46529502       | Lamp, Dial & Tuning<br>Indicator                       | Q252,253                    | 43025972       | Transistor 2SC460(C)<br>1st & 2nd AM IF AMP |
| PL6                 | 46529501       | Lamp, 6.3V 50mA Power<br>Switch Indicator              | <b>FM MPX</b>               |                |                                             |
| PL7,8,9,<br>10,11   | 46529500       | Lamp, 60V 30mA Stereo<br>AM FM, Phono Aux<br>Indicator | CR301,302                   | 21029766       | CR Component B3EN0120                       |
| <b>FM FRONT END</b> |                |                                                        | VR301                       | 23530554       | 3K ohm Variable Resistor                    |
| TE101               | 00229511       | FM Front End, P.C.B. Complete                          | T301,302                    | 10429769       | Transformer Filter 19KHz                    |
| 4214-49             | 65129518       | Antenna Terminal Strip                                 | T303                        | 10429770       | Transformer Filament 38kHz                  |
|                     |                |                                                        | Q301,302,                   | 43030569       | Transistor 2SC1335(E)                       |
|                     |                |                                                        | 303                         |                | FM MPX Output AMP                           |
|                     |                |                                                        | IC301                       | 43130555       | IC BA1310                                   |

| REF. NO.             | HK<br>PART NO. | DESCRIPTION                                    | REF. NO.             | HK<br>PART NO. | DESCRIPTION                            |
|----------------------|----------------|------------------------------------------------|----------------------|----------------|----------------------------------------|
| <b>MAIN AMP</b>      |                |                                                | <b>EQUALIZER AMP</b> |                |                                        |
| RV401,402            | 38128541       | Varistor MV11                                  | Q701,702,            | 43025972       | Transistor 2SC458LG(C)                 |
| VR401,402            | 23529513       | 100K ohm                                       | 703,704              |                | 1st & 2nd Equalizer AMP                |
| VR403,404            | 23528597       | 3K ohm                                         | SW901,902            | 25529515       | Switch, SP System 1&2                  |
| Q401,402             | 43025972       | Transistor 2SC1335(D)<br>Pre Driver            | TE903                | 65429520       | Multi-Pin Jack (Input/Output<br>Term.) |
| Q403,404             | 43029483       | Transistor 2SC1345(D) Driver                   | TE904                | 65429521       | 4-Pin Jack, 4484-5                     |
| Q405,406             | 43025972       | Transistor 2SC458(C) Bias<br>Stabilization     |                      |                |                                        |
| Q407,408             | 43029484       | Transistor 2SC1509(Q)<br>Complement            | <b>CABINETRY</b>     |                |                                        |
| Q409,410             | 43029485       | Transistor 2SA777(Q)<br>Complement             | A314-HK330           | 00229468       | Top Cover                              |
| Q411,412,<br>413,414 | 43029486       | Transistor 2SC1107(Y)(G)<br>Power Output       | A338-HK330           | 00229469       | Front Panel Assembly                   |
| <b>CONTROL</b>       |                |                                                | 1352-017007          | 63229503       | Knob, Tuning                           |
| VR501,502            | 21529526       | Variable Resistor 50K ohm<br>Bass, Treble      | 1352-017008          | 63229504       | Knob, Volume, Balance,<br>Function     |
| VR504                | 21529525       | Variable Resistor 50K ohm<br>Volume            | 1352-017009          | 63229505       | Knob, Bass (Left),<br>Treble (Left)    |
| VR503                | 21529524       | Variable Resistor 100K ohm<br>Balance          | 1352-017010          | 63229506       | Knob, Bass (Right),<br>Treble (Right)  |
| Q501,502,<br>505,506 | 43025972       | Transistor 2SC458LG(C)<br>Tone AMP, Pre Output | 1353-017011          | 63229507       | Push Button, Power Switch<br>Assembly  |
| Q503,504             |                | Transistor 2SC458(C)<br>Tape Out AMP           | <b>CHASSIS</b>       |                |                                        |
| SW501,502,<br>503    | 25529515       | Switch, Contour, Tape,<br>Mode                 | 3602-HK330           | 00229470       | Tuning Shaft Assembly                  |
|                      |                |                                                | 2631-017006          | 60729510       | Pointer, Dial                          |
|                      |                |                                                | <b>MISCELLANEOUS</b> |                |                                        |
|                      |                |                                                | 1221-017032          | 90129508       | Carton, Shipping                       |
|                      |                |                                                | 1222-7032            | 90129509       | Packing Cushion                        |

NOTE: To speed handling of your order be sure to include both the model and serial numbers which appear at the back of the chassis, in addition to the quantity, part number and part description of the items ordered. Orders from independent dealers, independent servicemen, and retail customers will be shipped on a cash in advance basis. Harman-Kardon reserves the right to substitute equivalent parts for those originally installed in this chassis. All parts should be ordered from Harman-Kardon, 55 Ames Court, Plainview, L.I., N.Y. 11803, Att: Parts Department.

TEST SPECIFICATIONS

The following test specifications are to be used as a guide and indicate satisfactory performance within established Quality Control limits.

All measurements are taken at 120 volts AC line.

|               |                                         | 330B                                                                                                     |                                             |
|---------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------|
| SPECIFICATION |                                         | TEST CONDITIONS                                                                                          | TEST SPECIFICATIONS                         |
| 1.            | Continuous Power<br>Stereo Mode         | 8 Ohm Load,<br>2 Channels Driven Simultaneously<br>0.5% Total Harmonic<br>Distortion (THD) at 50 – 20kHz | 20 Watts RMS Per Channel                    |
| 2.            | Frequency Response<br>Stereo Mode       | 8 Ohm Loads<br>Both Channels Driven Simultaneously<br>at 1.0 Watt per channel                            | 10 Hz to 35 KHz                             |
| 3.            | Hum and Noise                           | 0dB = .775 VRMS Reference<br>Phono<br>Aux. Tape MON 1<br>Residual                                        | –30dB min.<br>–35dB min.<br>–50dB min.      |
| 4.            | Sensitivity                             | 20 Watts, 8 Ohm Load,<br>1KHz<br>Tape MON<br>Aux<br>Phono                                                | 530 to 750mV<br>160 to 300mV<br>4.0 mV max. |
| 5.            | Phono Overload                          | 1KHz                                                                                                     | 45mV min.                                   |
| 6.            | Limiter<br>Saturation                   | ±75KHz<br>–3dB                                                                                           | 10µV max.                                   |
| 7.            | IHF Sensitivity<br>(Usable Sensitivity) | 3% THD, 300 Ohm Source<br>±75KHz<br>90, 98, 106MHz                                                       | 8µV max.                                    |
| 8.            | MPX<br>Separation                       | 100% 1 Channel only<br>Modulated<br>1000µV RF Input<br>100Hz<br>1KHz<br>10KHz                            | 25dB min.<br>35dB min.<br>20dB min.         |