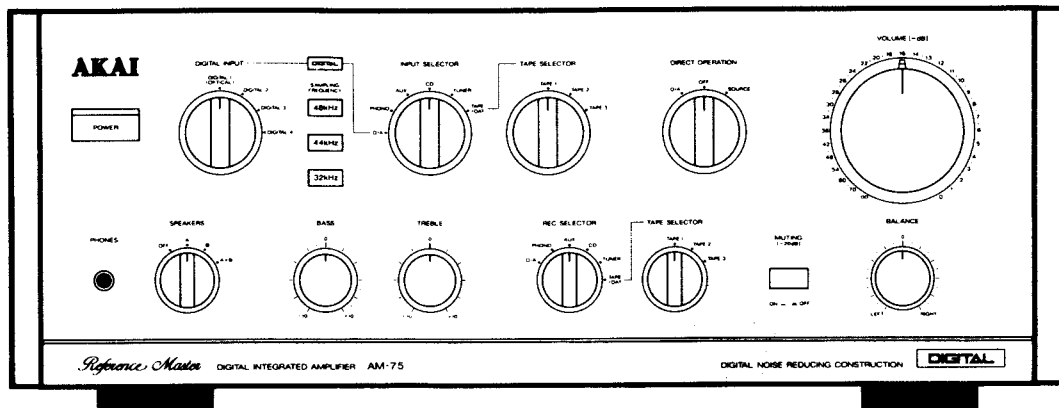
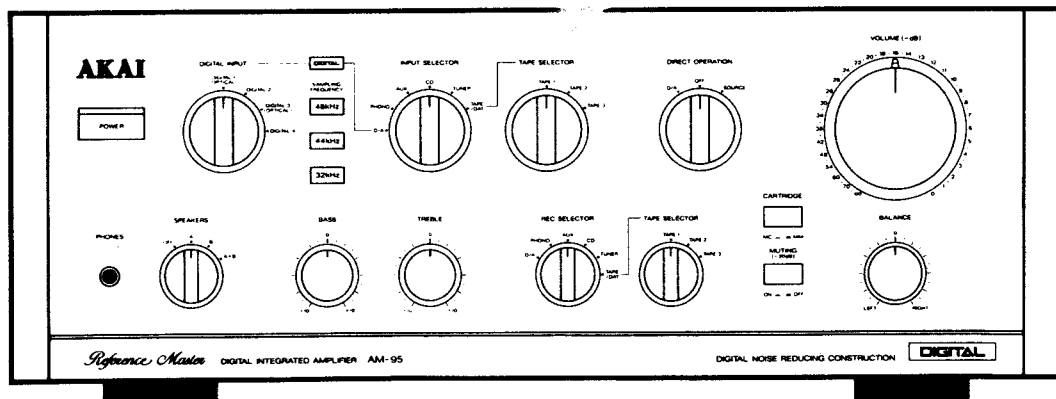


AKAI SERVICE MANUAL



MODEL AM-75



MODEL AM-95

DIGITAL INTEGRATED AMPLIFIER

MODEL **AM-75**

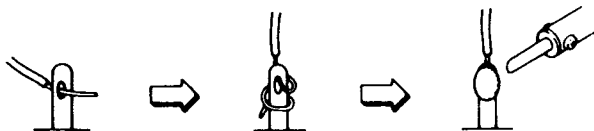
DIGITAL INTEGRATED AMPLIFIER

MODEL **AM-95**

★ SAFETY INSTRUCTIONS

PRECAUTIONS DURING SERVICING

- Parts identified by the \triangle (*) symbol are critical for safety. Replace only with parts number specified.
- In addition to safety, other parts and assemblies are specified for conformance with such regulations as those applying to spurious radiation.
These must also be replaced only with specified replacements.
Examples: RF converters, tuner units, antenna selector switches, RF cables, noise blocking capacitors, noise blocking filters, etc.
- Use specified internal wiring. Note especially:
 - 1) Wires covered with PVC tubing
 - 2) Double insulated wires
 - 3) High voltage leads
- Use specified insulating materials for hazardous live parts. Note especially:
 - 1) Insulation Tape
 - 2) PVC tubing
 - 3) Spacers (Insulating Barriers)
 - 4) Insulation sheets for transistors
 - 5) Plastic screws for fixing microswitch (especially in turntable)
- When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.), wrap ends of wires securely about the terminals before soldering.



- Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.).

- Check that replaced wires do not contact sharp edged or pointed parts.
- Also check areas surrounding repaired locations.
- Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.

SAFETY CHECK AFTER SERVICING

After servicing, make measurements of leakage-current or resistance in order to determine that exposed parts are acceptably insulated from the supply circuit.

The leakage-current measurement should be done between accessible metal parts (such as chassis, ground terminal, microphone jacks, signal-input/output connectors, etc.) and the earth ground through a resistor of 1500 ohms paralleled with a 0.15 μ F capacitor, under the unit's normal working conditions. The leakage-current should be less than 0.5 mA rms AC.

The resistance measurement should be done between accessible exposed metal parts and power cord plug prongs with the power switch (if included) "ON". The resistance should be more than 2.2 Mohms.

★ INFORMATION

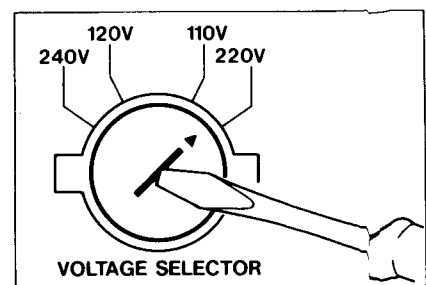
SYMBOLS FOR PRIMARY DESTINATION

Alphabet indicates the destination of the units as listed below.

| Symbols | Principal Destinations |
|---------|------------------------|
| A | USA |
| B | UK |
| C | Canada |
| E | Europe (except UK) |
| J | Japan |
| S | Australia |
| V | W. Germany only |
| U | Universal Area |
| Y* | Custom version |

VOLTAGE CONVERSION (U Model only)

Before connecting the power cord. Set the VOLTAGE SELECTOR located on the rear panel with a screwdriver so that the correct voltage is indicated.



I. SPECIFICATIONS

1-1 MODEL AM-75

| | | | |
|---------------------------------|---|-------------------------------|---|
| Power output | 150W + 150W (DIN, 4ohms, 1kHz, 0.7%) 100W + 100W (FTC, 4ohms, 20Hz to 20kHz, 0.1%) | D/A section | |
| Power band width | 10Hz to 60kHz/1.0% | Sampling frequency | 32kHz/44.1kHz/48kHz |
| Total harmonic distortion | 0.008% (1kHz, 8ohms) | D/A converter | MASH (Multi-stage Noise Shaping) type |
| Phono max. input level | 250mV (MM) | Digital input level/Impedance | |
| Frequency response | 3Hz to 100kHz (+0dB, -3dB) | COAXIAL | 0.5Vp-p/75ohms |
| Tone control | | OPTICAL | -14dBm to -23dBm |
| BASS | ±10dB (100Hz) | Frequency response | 5Hz to 20kHz (±0.3dB) |
| TREBLE | ±10dB (10kHz) | Dynamic range | 95dB |
| Input sensitivity/Impedance | | Total harmonic distortion ... | 0.003% |
| PHONO(MM) | 2.5mV/47k ohms | S/N | 115dB |
| TUNER, etc | 150mV/47k ohms | Power requirements | 220V, 50Hz for Europe except UK 240V, 50Hz for UK and Australia 110V/ 120V/220V/240V, 50/60Hz convertible for other countries |
| Output level/Impedance | | Dimensions | 461(W) × 177(H) × 452(D)mm (18.2 × 7.0 × 17.8 inches) |
| Tape rec out | 150mV/1k ohm | Weight | 17.7 kg (38.9 lbs) |
| Damping factor | 30(1kHz, 8ohms) | | |
| Residual noise | 0.5mV | | |
| S/N | | | |
| PHONO(MM) | 85dB | | |
| TUNER, etc | 100dB | | |
| Channel separation | 60dB | | |
| Audio mute | -20dB | | |
| Required speaker impedance | | | |
| A or B (A/B) | 4 to 16 ohms | | |
| A and B (A+B) | 8 to 16 ohms | | |
| Voltage convertible models | | | |
| A or B (A,B) | 6 to 16 ohms | | |
| A and B (A+B) | 12 to 16 ohms | | |
| | | Standard accessories | |
| | | Operator's manual | 1 |

* For improvement purposes, specifications and design are subject to change without notice.

MC-Service

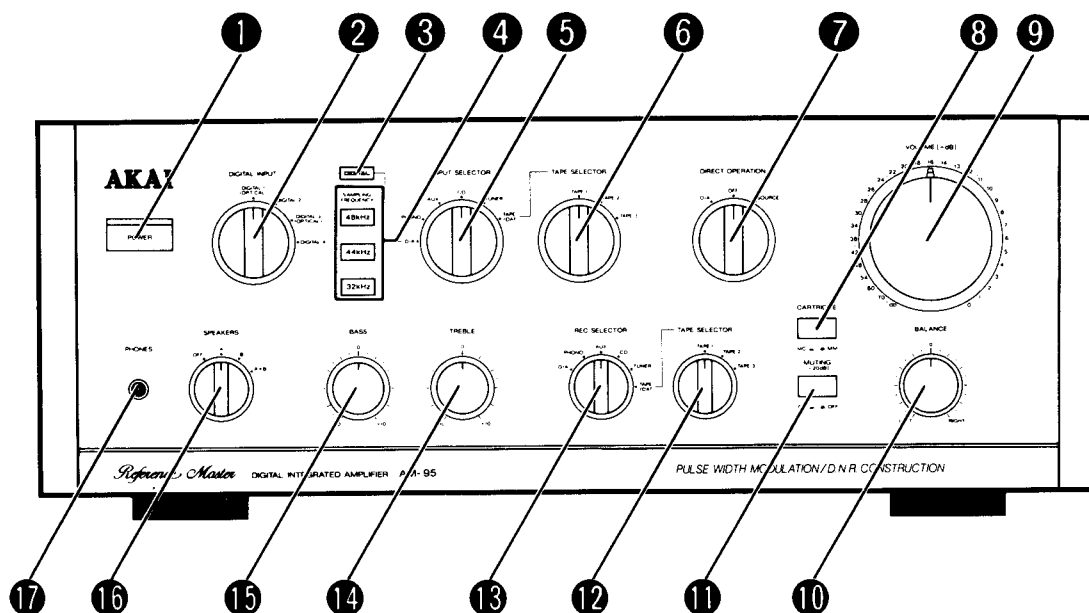
1-2 MODEL AM-95

| | | | |
|---------------------------------|---|-------------------------------|---|
| Power output | 180W + 180W (DIN, 4ohms, 1kHz, 0.7%) 180W + 180W (FTC, 4ohms, 20Hz to 20kHz, 0.1%) | D/A section | |
| Power band width | 10Hz to 60kHz/1.0% | Sampling frequency | 32kHz/44.1kHz/48kHz |
| Total harmonic distortion | 0.008% (1kHz, 8ohms) | D/A converter | MASH (Multi-stage Noise Shaping) type |
| Phono max. input level | 200mV (MM) | Digital input level/Impedance | |
| Frequency response | 3Hz to 100kHz (+0dB, -3dB) | COAXIAL | 0.5Vp-p/75ohms |
| Tone control | | OPTICAL | -14dBm to -23dBm |
| BASS | ±10dB (100Hz) | Frequency response | 5Hz to 20kHz (±0.3dB) |
| TREBLE | ±10dB (10kHz) | Dynamic range | 95dB |
| Input sensitivity/Impedance | | Total harmonic distortion ... | 0.003% |
| PHONO(MM) | 2.5mV/47k ohms | S/N | 115dB |
| PHONO(MC) | 0.25mV/100 Ohms | Power requirements | 220V, 50Hz for Europe except UK 240V, 50Hz for UK and Australia 110V/ 120V/220V/240V, 50/60Hz convertible for other countries |
| TUNER, etc | 150mV/47k ohms | Dimensions | 461(W) × 177(H) × 452(D)mm (18.2 × 7.0 × 17.8 inches) |
| Output level/Impedance | | Weight | 17.7 kg (44.0 lbs) |
| Tape rec out | 150mV/1k ohm | | |
| Damping factor | 30(1kHz, 8ohms) | | |
| Residual noise | 0.5mV | | |
| S/N | | | |
| PHONO(MM) | 85dB | | |
| PHONO(MC) | 67dB | | |
| TUNER, etc | 100dB | | |
| Channel separation | 60dB | | |
| Audio mute | -20dB | | |
| Required speaker impedance | | | |
| A or B (A,B) | 4 to 16 ohms | | |
| A and B (A+B) | 8 to 16 ohms | | |
| Voltage convertible models | | | |
| A or B (A,B) | 6 to 16 ohms | | |
| A and B (A+B) | 12 to 16 ohms | | |
| | | Standard accessories | |
| | | Operator's manual | 1 |

* For improvement purposes, specifications and design are subject to change without notice.

II. CONTROLS

2-1. FRONT PANEL



1 POWER Button and Indicator

To turn the power on and off.
The indicator will flash on and off when the speaker protection circuit is engaged.

2 DIGITAL INPUT Switch (DIGITAL. 1 (OPTICAL), DIGITAL. 2/3(OPTICAL)/4)
To select the digital input source.

3 DIGITAL Indicator
Tells you the INPUT SELECTOR switch or the DIRECT OPERATION switch is set to D/A.

4 SAMPLING FREQUENCY Indicators (32 kHz/44 kHz/48 kHz)
Tells you the sampling frequency of the digital source being played back.

5 INPUT SELECTOR Switch
To select the playback source you wish to listen to.

6 TAPE SELECTOR Switch
To select the cassette deck or DAT deck being used for playback.

7 DIRECT OPERATION Switch
To select the playback operation mode. If you wish to use the BASS, TREBLE or BALANCE controls, set the switch to OFF.

8 CARTRIDGE (— MC/ — MM) Switch (AM-95 ONLY)
To set the phono amplifier's gain to high or low according to which type of cartridge (MC or MM) is being used with the connected turntable.

9 VOLUME Control (—dB: minus decibel)
To adjust the volume level. The 0 dB (zero decibel) position is the maximum volume output of the amplifier.

10 BALANCE Control
To adjust the left and right channel balance. Normally set the control to its center click position.

11 MUTING Switch (ON — /OFF —)
To reduce the volume instantly during playback without using the VOLUME control.

12 TAPE SELECTOR Switch
To select the cassette deck or DAT deck being used for recording.

13 REC SELECTOR Switch
To select the playback source for recording.

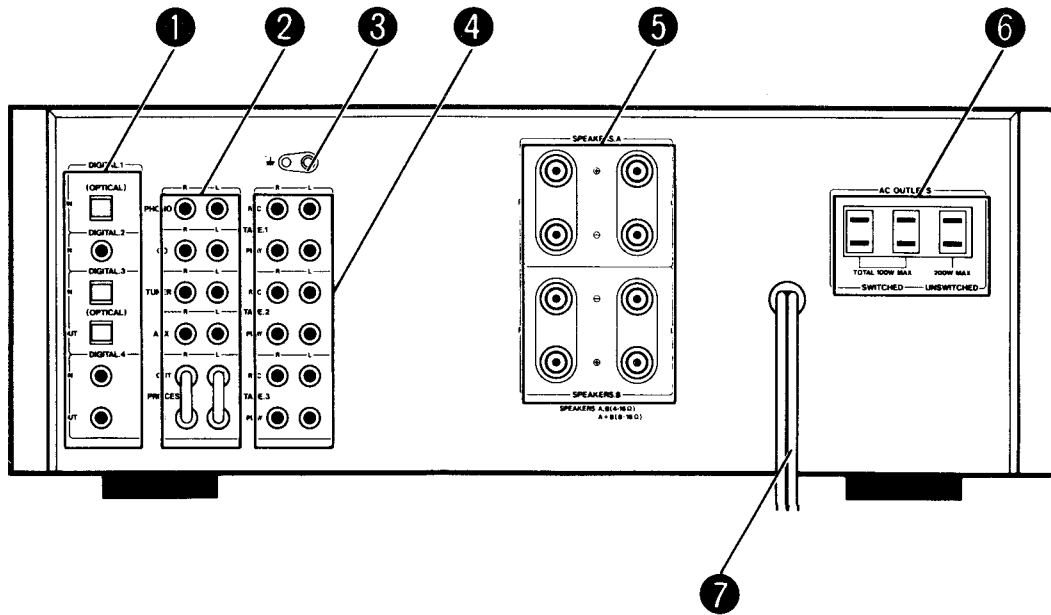
14 TREBLE Tone Control
To adjust the high note (treble) level. When set to 0, the control is ineffective.

15 BASS Tone Control
To adjust the low note (bass) level. When set to 0, the control is ineffective.

16 SPEAKERS Switch
To select the speaker system. For headphone listening, set the switch to OFF. When using two pairs of speaker systems at the same time, set the switch to A+B.

17 PHONES Jack
For headphone listening. Connect the headphone plug to the jack.

2-2. REAR PANEL



1 Digital Signal Connection Terminal and Jacks

For connection of components with DIGITAL INPUT or OUTPUT jacks.

DIGITAL. 1 (OPTICAL) IN Terminal and terminal cap

Use this terminal when connecting a CD player or DAT deck that has an optical output terminal. (Use an optical fiber cable available in Hi-Fi stores for connections).

DIGITAL. 2 IN Jack

Use this jack when connecting a CD player or DAT deck that has a digital coaxial output jack. (Use a digital or video connection cable available in Hi-Fi stores for connections).

DIGITAL. 3 (OPTICAL) IN and OUT terminals and terminal caps.

Use these jacks when connecting a DAT deck that has digital coaxial input and output jacks. (Use an optical, digital or video connection cable available in Hi-Fi stores for connections).

DIGITAL. 4 IN and OUT Jacks

Use these jacks when connecting a DAT deck that has digital coaxial input and output jacks. (Use an optical, digital or video connection cable available in Hi-Fi stores for connections).

The DIGITAL OUT jack can be used for connection of a DAT deck for digital tape dubbing or a DSP (Digital Sound Processor).

2 Analog Connection Jacks

These jacks are for conventional signal (analog) connections. The white PIN-jacks are for left channel connections and the red PIN-jacks are for right channel connections.

PHONO Jacks

Connect the output PIN-plug cord of a turntable to these jacks.

CD Jacks

Connect the OUTPUT jacks of a CD player to these jacks with an audio PIN-plug cord.

TUNER Jacks

Connect the OUTPUT jacks of a tuner to these jacks with an audio PIN-plug cord.

AUX Jacks

Connect the OUTPUT jacks of an auxiliary source such as a cassette deck, DAT deck or CD player to these jacks with an audio PIN-plug cord.

PROCESSOR IN and OUT Jacks/Short pins

For connection of a graphic equalizer or surround processor with an audio PIN-plug cord.

Remove the two short pins from these jacks before connecting. Leave these pins in place when a graphic equalizer or surround processor is not connected to these jacks.

3 (Earth) Terminal

If your turntable has an earth wire, connect it to this terminal.

4 Analog Tape Connecting Jacks

For connection of cassette decks or DAT decks that have analog OUTPUT and INPUT jacks.

TAPE. 1, TAPE. 2 and TAPE. 3 Jacks (REC/PLAY)

Connect the INPUT jacks of a cassette deck or DAT deck to the REC jacks with an audio PIN-plug cord.

Connect the OUTPUT jacks of a cassette deck or DAT deck to the PLAY jacks with an audio PIN-plug cord.

5 SPEAKERS A, B Terminals

For speaker system connections. The A terminals correspond to the A position of the SPEAKERS switch and the B terminals correspond to the B position. Red terminals are the \oplus (positive) terminals and black terminals are the \ominus (negative) terminals.

6 AC OUTLETS (Voltage convertible models only)

For connection of audio equipment power cords (tuner, CD player, cassette deck, DAT deck etc.).

The maximum connected power consumption is 300 Watts. Do not exceed the maximum power consumption indicated on the rear panel of the amplifier.

The UNSWITCHED outlets supply power when the power cord of the amplifier is connected to a household AC outlet. The power to the SWITCHED outlet is turned on and off by the amplifier's POWER switch.

7 Power cord and plug

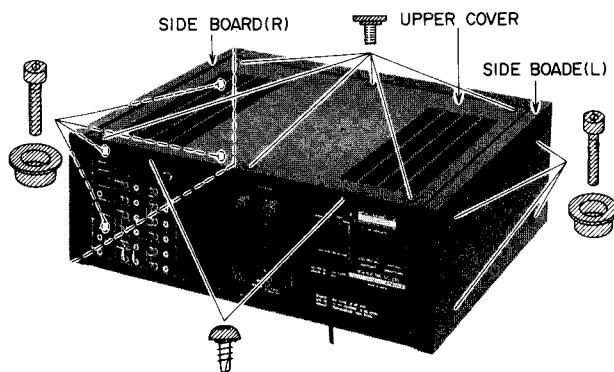
Connect to a household AC outlet. If you wish to use an audio timer, connect the power cord to the timer's AC outlet.

III. DISASSEMBLY

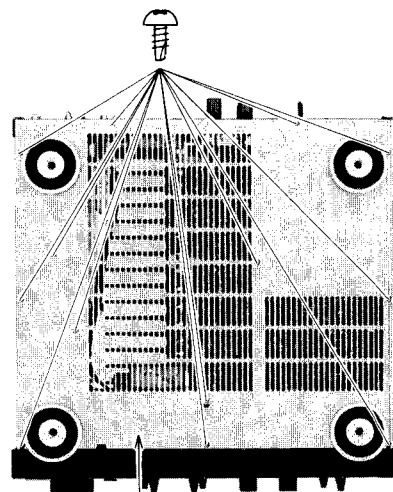
In case of trouble, etc, necessitating dismantling, please disassemble in the order shown in the photographs. Reassemble in reverse order.

* Photographs employed in this paragraphs are model AM-95

1. Removal of UPPER COVER

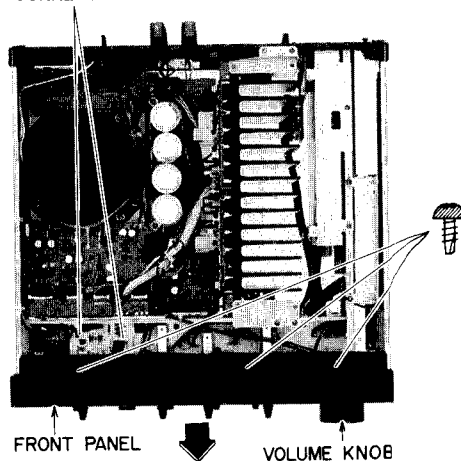


2. Removal of BOTTOM PLATE & FRONT PANEL



BOTTOM PLATE

3. CONNECTORS (J301, J302)



* Disconnect CONNECTORS (J301, J302) and remove VOLUME KNOB first, then remove FRONT PANEL next.

IV. PRINCIPAL PARTS LOCATION

MODEL AM-75

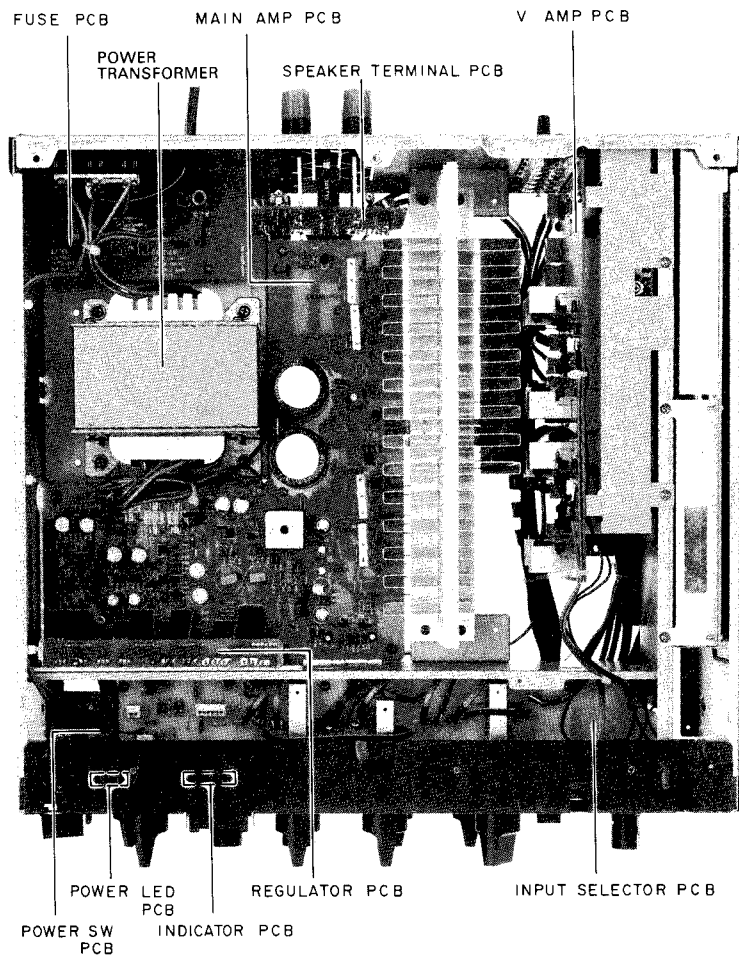


Fig. 4-1 Top View

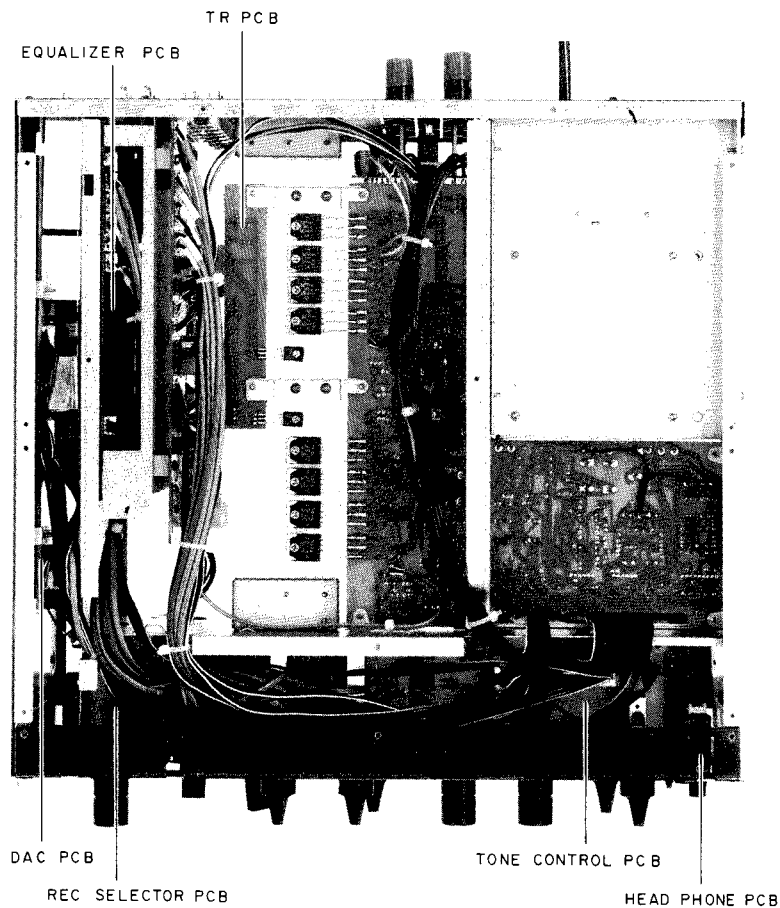


Fig. 4-2 Bottom View

MODEL AM-95

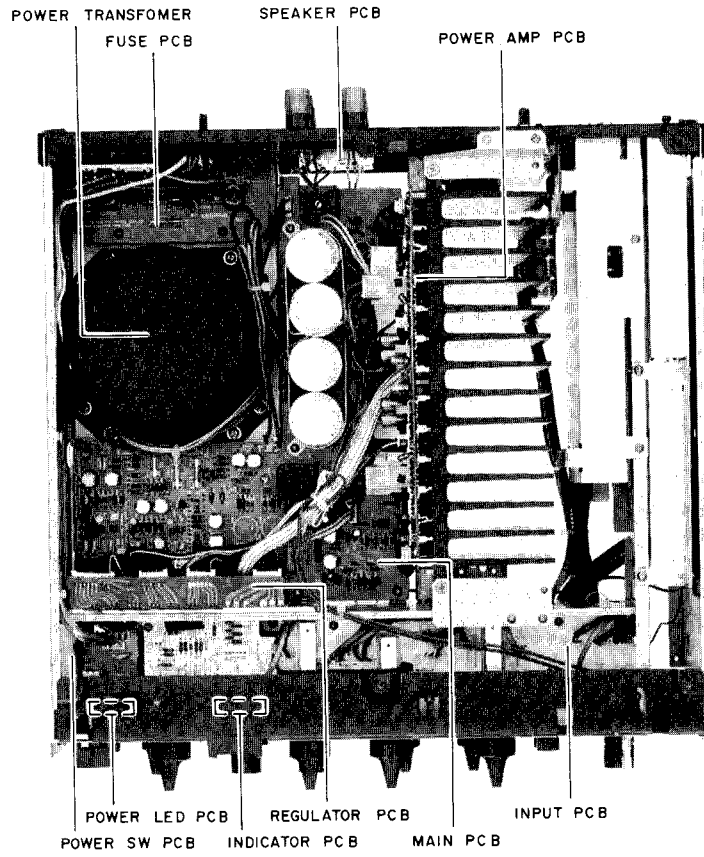


Fig. 4-3 Top View

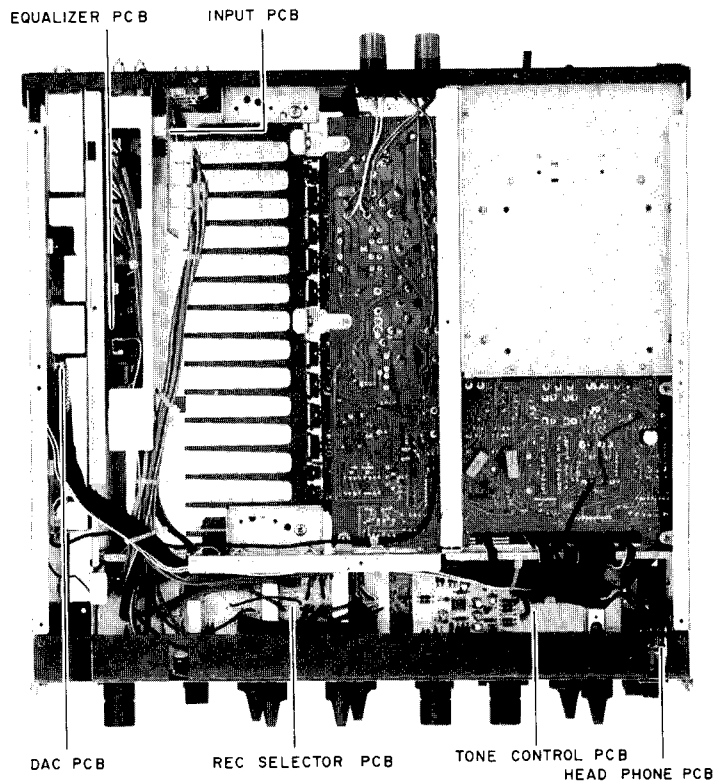


Fig. 4-4 Bottom View

V. ELECTRICAL ADJUSTMENT

5-1. MODEL AM-75

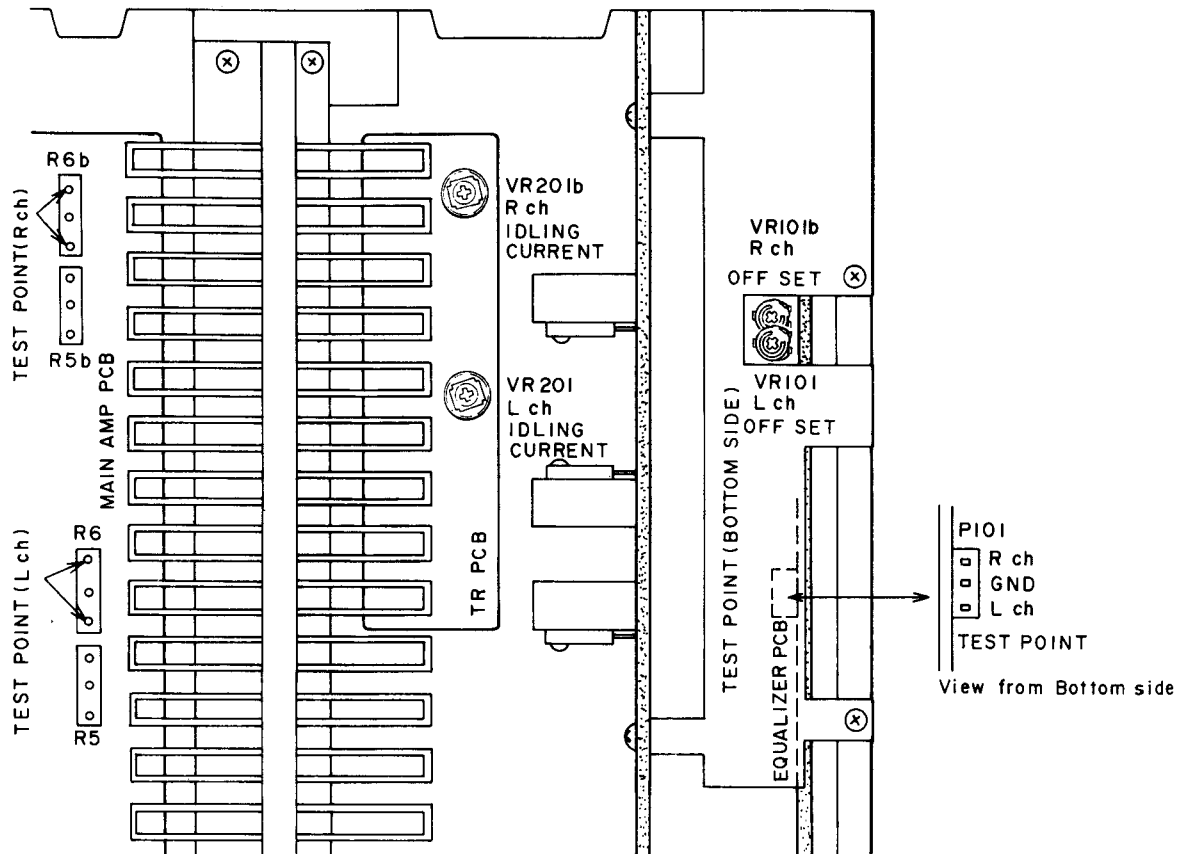


Fig. 5-1 Idling current, OFF-SET Adjustment parts and Test points

5-1-1. IDLING CURRENT ADJUSTMENT (Refer to Fig. 5-1)

NOTE: This adjustment should be made after 5 minutes passed from turning the power on.

- 1) Connect the Digital DC Voltmeter between both ends of cement type resistor R5 or R6 (L-CH), R5b or R6b (R-CH) on the MAIN AMP PCB.
- 2) Adjust VR201 (L-CH), VR201b (R-CH) on the TR PCB, so that the reading on the Digital DC Voltmeter is 30 mV.

5-1-2. OFF-SET ADJUSTMENT OF PHONO AMPLIFIER (Refer to Fig. 5-1)

NOTE: This adjustment should be made after 5 minutes passed from turning the power on.

- 1) Connect the Digital DC Voltmeter between Pin ① (L-CH), Pin ③ (R-CH) and Pin ② (GND) on the EQUALIZER PCB.
- 2) Adjust VR101 (L-CH), VR101b (R-CH) on the EQUALIZER PCB, so that the reading on the Digital DC Voltmeter is 0 V.

5-2. MODEL AM-95

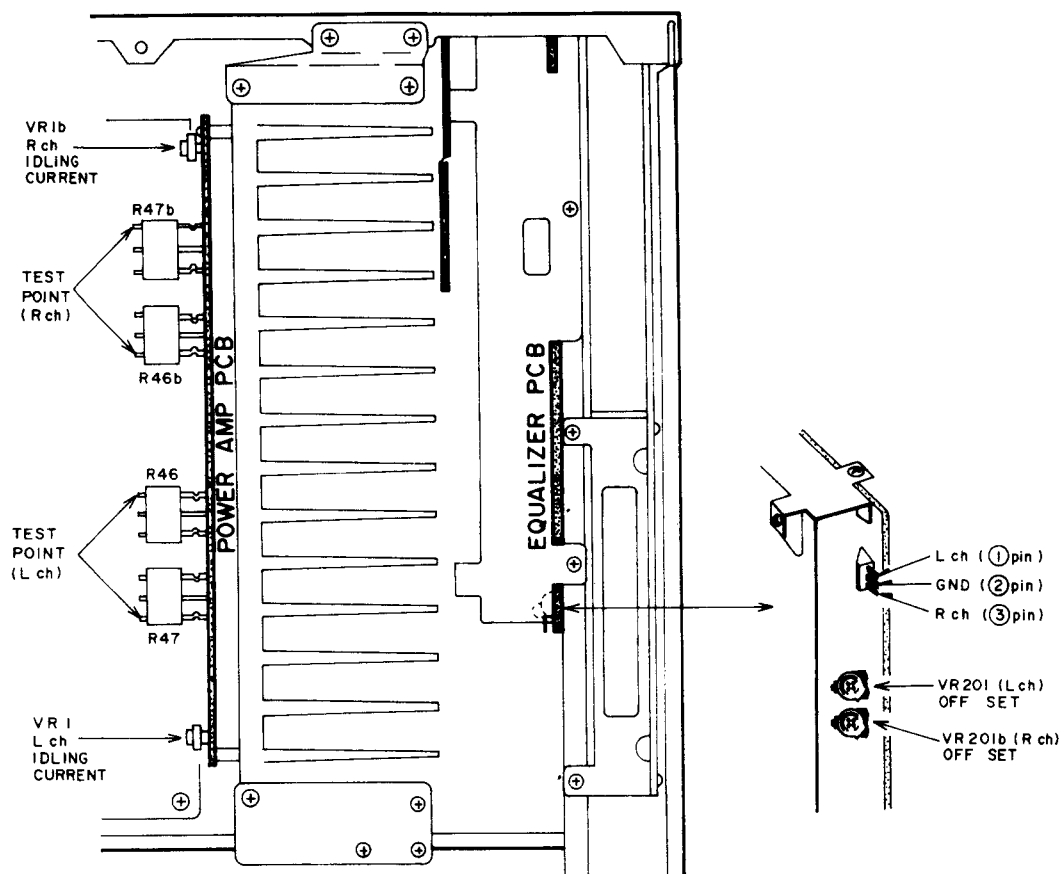


Fig. 5-2 Idling current, OFF-SET Adjustment parts and Test points

5-2-1. IDLING CURRENT ADJUSTMENT (Refer to Fig. 5-2)

NOTE: This adjustment should be made immediately right after turning the power on.

- 1) Connect the digital DC voltmeter between both ends of cement type resistor R46 and R47 (L-CH), R46b and R47b (R-CH) on the POWER AMP PCB.
- 2) Adjust VR1 (L-CH), VR1b (R-CH) on the POWER AMP PCB so that the reading on the digital DC voltmis $20 \text{ mV} \pm 2 \text{ mV}$.

5-2-2. OFF-SET ADJUSTMENT OF PHONO AMPLIFIER (Refer to Fig. 5-2)

NOTE: This adjustment should be made after 5 minutes passed from turning the power on.

- 1) Connect the digital DC voltmeter between pin ① (L-CH) or pin ③ (R-CH) and pin ② (GND) on the EQUALIZER PCB.
- 2) Set the selector switches on the front panel as follow.
INPUT SELECTOR: PHONO
CARTRIDGE: MC
- 3) Adjust VR201 (L-CH), VR201b (R-CH) on the EQUALIZER PCB, so that the reading on the digital DC voltmeter is 0 V.

VI. PARTS LIST

ATTENTION

1. When placing an order for parts, be sure to list Part No., Model No. and the description of each part. Otherwise, the non-delivery of the part or the delivery of a wrong part may result.
2. Please make sure that Part No. is correct when ordering. If not, a part different from the one you ordered may be delivered.
3. Since the parts shown in Parts List of Preliminary Service Manual may have been the subject of changes, please use this Parts List for all future reference.

HOW TO USE THIS PARTS LIST

1. This Parts List lists those parts which are considered necessary for repairs. Other common parts, such as resistors and capacitors, are listed in the "Common List for Service Parts" from which these parts should be selected and stocked.
2. The Recommended Spare Parts List shows those parts in the Parts List which are considered particularly important for service.
3. Parts not shown in the Parts List and "Common List for Service Parts" will not in principle be supplied.
4. How to read the Parts List.

a) Mechanism Block

2. HEAD BASE BLOCK

| REF. NO. | PART NO. | DESCRIPTION |
|----------|---------------|--------------------|
| 1 | BH-T2023A320A | HEAD BASE BLOCK |
| 2 | HP-H2206A010A | HEAD R/P PR4-8FU C |
| 3 | ZS-477876 | PAN20×03STL CMT |
| 4 | ZS-536488 | BID20×08STL CMT |
| 5 | ZG-402895 | SP CS ANGLE ADJUST |

↑ SP (Service Parts) Classification
 ↑ This number corresponds with the individual parts index number in that figure.

MC-Service

b) PC Board

6. MAIN PC BOARD

| REF. NO. | PART NO. | DESCRIPTION |
|----------|-----------|------------------------------|
| IC1 | EI-324536 | IC HD14049BP |
| IC2 | EI-336801 | IC MB8841-564M |
| C1A | EC-338399 | C MMY V 223M 250AC [U,E,B,S] |
| C1B | EC-350949 | C MMY V 223M 250DC [J] |
| C1C | EC-338397 | C MMY V 223M 125AC [C,A] |
| X1 | EI-318384 | OSC X'TAL NC-18C |

↑ Symbols for primary destination
 [A]: AAL (U.S.A) [S]: SAA (Australia)
 [B]: BEAB (England) [U]: U/T (Universal)
 [C]: CSA (Canada Area)
 [E]: CEE (Europe) [V]: VDE (W. Germany)
 [J]: JPN (Japan) [Y]: Custom Version
 ↑ SP (Service Parts) Classification
 ↑ These reference symbols correspond with component symbols in the Schematic Diagrams.

The available PC Board Blocks are listed separately.

5. When Part No. is known, Parts Index at end of Parts List can be used to locate where that part is shown in Parts List by its Reference No. listed at right of Part No.

WARNING

△(*) INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURE'S RECOMMENDED PARTS.

AVERTISSEMENT

△(*) IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

1. RECOMMENDED SPARE PARTS

We suggest you to stock the following Recommend Spare Part items listed below since they can cover most of the routine service.

| Ref. No. | Part No. | Description |
|----------|--------------|--|
| 1 | *BT-385573J | TRANS POW A2050(B) [B] [AM-95] |
| 2 | *BT-385572J | TRANS POW A2050(EV) [E,V] [AM-95] |
| 3 | *BT-385569J | TRANS POW A2050(U) [U] [AM-95] |
| 4 | *BT-379963J1 | TRANS POW A2057(B) [B] [AM-75] |
| 5 | *BT-379962J1 | TRANS POW A2057(EV) [E,V] [AM-75] |
| 6 | *BT-379958J | TRANS POW A2057(U) [U] [AM-75] |
| 7 | BT-368261 | TRANS PULSE TC-1027-04 |
| 8 | ED-382620J | D LED PG5562X GREEN [DIGITAL] |
| 9 | ED-382611J | D LED PY5504S YELLOW |
| 10 | ED-361885 | D LED SLP-384C-51 GREEN [POWER] |
| 11 | ED-383034J | D LED SLR-54PC3F L,M GREEN |
| 12 | *ED-379981J | D SILICON EG01LF-F4 F10 400/0.7A |
| 13 | ED-348990 | D SILICON H DS446 |
| 14 | ED-301911 | D SILICON H DS448 |
| 15 | ED-385575J | D SILICON H 1SS182FA F10 [AM-95] |
| 16 | ED-624903 | D SILICON H 1S2473 |
| 17 | *ED-382668J | D SILICON PB-112F |
| 18 | ED-346557 | D ZENER H HZ12A3L |
| 19 | ED-346560 | D ZENER H HZ12B3L |
| 20 | ED-346564 | D ZENER H HZ15-1L |
| 21 | ED-346570 | D ZENER H HZ18-3L |
| 22 | ED-377933 | D ZENER H HZ27-3LFA F10 |
| 23 | ED-381270J | D ZENER H HZ33-1LFA F10 |
| 24 | ED-305655 | D ZENER H HZ4 B3 |
| 25 | ED-343410 | D ZENER H HZ6A1L |
| 26 | ED-346529 | D ZENER H HZ6C2L |
| 27 | *EF-355226 | FUSE BET T 250V 1.00A [B] |
| 28 | *EF-359086 | FUSE BET T 250V 4.00A [B] [AM-75] |
| 29 | *EF-355399 | FUSE BET T 250V 5.00A [B] [AM-95] |
| 30 | *EF-623103 | FUSE SEMKO T 250V 1.00A [E,V] |
| 31 | *EF-690996 | FUSE SEMKO T 250V 4.00A [E,V] [AM-75] |
| 32 | *EF-242605 | FUSE SEMKO T 250V 6.30A [E,V] [AM-95] |
| 33 | *EF-306952 | FUSE TSC A 250V 4.00A [U] [AM-75] |
| 34 | *EF-327103 | FUSE TSC A 250V 500MA [U] |
| 35 | *EF-341260 | FUSE TSC A 250V 8.00A [U] [AM-95] |
| 36 | *EF-309388 | FUSE TSC A 250V 800MA [U] |
| 37 | EH-383070J | FILTER EMI BL01RN1-A62 |
| 38 | EH-388140J | FILTER EMI BL02RN1-R62 [AM-75] |
| 39 | EI-390996J | IC FAR-18M432-D300 |
| 40 | EI-345474 | IC HA12002 |
| 41 | EI-390995J | IC MN6471M |
| 42 | EI-344764 | IC M5218P-21 |
| 43 | EI-362587 | IC M5238L |
| 44 | EI-362588 | IC M5238P |
| 45 | EI-360225 | IC NJM5532D |
| 46 | EI-390063J | IC PD0037 |
| 47 | EI-360040J1 | IC TC74HCU04AP |
| 48 | EI-360037J1 | IC TC74HC00AP |
| 49 | EI-360027 | IC TC74HC86P |
| 50 | EQ-379982J | RELAY POW G5R-2282P 2NO 48V [AM-95] |

| Ref. No. | Part No. | Description |
|----------|-------------|---|
| 51 | EQ-348929 | RELAY SIG G5A-237P 2TR 12V [AM-95] |
| 52 | *ES-355407 | SW PUSH ESB-99713V TV-8 [POWER SW] |
| 53 | ES-378941J | SW PUSH SPUL12 2-04-02S [MUTE] |
| 54 | ES-385576J | SW REMOTE B SWWR10 [AM-95] |
| 55 | ES-385553J | SW REMOTE O SPUR12 [AM-95] |
| 56 | ES-379984J | SW ROTARY SRRZS4 2-04-04N [DIGITAL INPUT] |
| 57 | ES-379987J | SW ROTARY SRRZS6 2-06-03N [TAPE SELECTOR] |
| 58 | ES-379986J | SW ROTARY SRRZS6 2-06-06N [INPUT SELECTOR] |
| 59 | ES-379988J | SW ROTARY SRRZS8 2-08-03N [DIRECT OPERATION] |
| 60 | *ES-349070 | SW SELECTOR YKS11-0002 02-4 [U] [VOLTAGE SELECTOR] |
| 61 | ET-356336 | TR DTA114ES |
| 62 | ET-360646 | TR DTA143ES |
| 63 | ET-354371 | TR DTC124ES |
| 64 | ET-357162 | TR FET 2SJ74 GR,BL,V |
| 65 | ET-354897 | TR FET 2SK170 BL,GR,V |
| 66 | *ET-359827 | TR FET 2SK246 BL |
| 67 | ET-345460 | TR 2SA1208 R,S,T |
| 68 | ET-348829 | TR 2SA1209 S,T |
| 69 | *ET-345626 | TR 2SA1248 S,T |
| 70 | *ET-385577J | TR 2SA1306 Y |
| 71 | ET-352726 | TR 2SA1392 T,U |
| 72 | *ET-368758 | TR 2SA1491 P,Y [AM-75] |
| 73 | *ET-385561J | TR 2SA1492 P,Y |
| 74 | ET-354601 | TR 2SB941 P,Q |
| 75 | ET-308141 | TR 2SC2603 G F05 |
| 76 | ET-338410 | TR 2SC2878 A,B |
| 77 | ET-370038 | TR 2SC2910 S,T |
| 78 | ET-348831 | TR 2SC2911 S,T |
| 79 | *ET-345625 | TR 2SC3116 S,T |
| 80 | *ET-385557J | TR 2SC3298 Y |
| 81 | ET-360137 | TR 2SC3330 U,V F05 |
| 82 | ET-378524J | TR 2SC3383 S,T,U |
| 83 | *ET-368760 | TR 2SC3855 P,Y [AM-75] |
| 84 | *ET-385559J | TR 2SC3856 P,Y |
| 85 | ET-371028 | TR 2SD1266 P,Q |
| 86 | *ET-349459 | TR 2SD1406 O,Y,GR |
| 87 | EV-379994J | VR ROTARY RK1631110 SPL W104 [BALANCE] |
| 88 | EV-379992J | VR ROTARY RK1631210 C:04 X2 [BASS CONTROL] |
| 89 | EV-379993J | VR ROTARY RK1631210 C:04 X2 [TREBLE CONTROL] |
| 90 | EV-387949J | VR ROTARY RK18114A0 A:04 X4 [MAIN VOLUME] |
| 91 | *EW-363683 | AC CORD 200 LCFL B100 A B [B] |
| 92 | *EW-363658 | AC CORD 200 0129AVFF B100 A U/ [U] |
| 93 | *EW-363671 | AC CORD 200 0364 LCFL B100 A E [E,V] |

2. P.C BOARD BLOCK

| Ref. No. | Part No. | Description |
|----------|---------------|---|
| 1A | BA-A2057A020A | PC(#) MAIN BLK AM-73(U) [U] [AM-75] |
| 1B | BA-A2057A020D | PC(#) MAIN BLK AM-73(E) [E,B] [AM-75] |
| 1C | BA-A2057A020E | PC(#) MAIN BLK AM-73(V) [V] [AM-75] |
| 1D | BA-A2050C020A | PC(#) MAIN BLK AM-93(U) [U] [AM-95] |
| 1E | BA-A2050C020D | PC(#) MAIN BLK AM-93(E) [E,B] [AM-95] |
| 1F | BA-A2050C020E | PC(#) MAIN BLK AM-93(V) [U] [AM-95] |
| 2A | BA-A2057A030A | PC(#) VAMP BLK AM-73(U) [U,E,B] [AM-75] |
| 2B | BA-A2057A030C | PC(#) VAMP BLK AM-73(V) [V] [AM-75] |
| 3A | BA-A2050A070A | PC(#) POWER ANP BLK AM-93(U) [U] [AM-95] |
| 3B | BA-A2050C070D | PC(#) POWER ANP BLK AM-93(E) [E,B] [AM-95] |
| 3C | BA-A2050C070E | PC(#) POWER ANP BLK AM-93(V) [V] [AM-95] |
| 4A | BA-A2057A040A | PC(#) INPUT BLK AM-73(U) [U,E,B] [AM-75] |
| 4B | BA-A2057A040B | PC(#) INPUT BLK AM-73(V) [V] [AM-75] |
| 4C | BA-A2057A040C | PC(#) INPUT BLK AM-93(U) [U,E,B] [AM-95] |
| 4D | BA-A2057A040D | PC(#) INPUT BLK AM-93(V) [V] [AM-95] |
| 5 | BA-A2064C050A | PC DAC BLK AM-95 |
| 6A | BA-A2050A030A | PC PH AMP BLK AM-93(U) [U,E,B] [AM-95] |
| 6B | BA-A2050C030B | PC PH AMP BLK AM-93(V) [V] [AM-95] |

PC(#) MAIN BLK CONSISTS OF FOLLOWING P.C BOARD

- MAIN AMP P.C BOARD
- SPEAKER TERMINAL P.C BOARD
- INDICATOR P.C BOARD
- POWER LED P.C BOARD
- HEADPHONE P.C BOARD
- REGULATOR P.C BOARD
- FUSE P.C BOARD (AM-75 ONLY)
- POWER SW P.C BOARD (AM-75 ONLY)
- TAPE P.C BOARD (AM-95 ONLY)

PC(#) POWER AMP BLK CONSISTS OF FOLLOWING P.C BOARD

- POWER P.C BOARD
- FUSE P.C BOARD
- POWER SW P.C BOARD
- TR P.C BOARD

PC(#) V AMP BLK CONSISTS OF FOLLOWING P.C BOARD

- V AMP P.C BOARD
- EQUALIZER P.C BOARD
- TR P.C BOARD

PC(#) INPUT BLK CONSISTS OF FOLLOWING P.C BOARD

- INPUT P.C BOARD
- TONE CONTROL P.C BOARD
- REC SELECTOR P.C BOARD

3. MAIN AMP P.C BOARD

| Ref. No. | Part No. | Description |
|----------|-------------|---------------------------------------|
| C1 | EC-387907J | C EC V SNP 103M 63.0DC |
| C2 | EC-387907J | C EC V SNP 103M 63.0DC |
| C30A | EC-377960 | C PP V F05 CSF3 101J 125DC [AM-75] |
| C30B | EC-368039 | C PP V F05 CSF3 221J 125DC [AM-95] |
| D1 | *ED-382668J | D SILICON PB-112F |
| D2 | ED-348990 | D SILICON H DS446 |
| D3 | ED-348990 | D SILICON H DS446 |
| D4A | ED-348990 | D SILICON H DS446 [AM-75] |
| D4B | ED-385575J | D SILICON H 1SS182FA F10 [AM-95] |
| D5A | ED-348990 | D SILICON H DS446 [AM-75] |
| D5B | ED-385575J | D SILICON H 1SS182FA F10 [AM-95] |
| D6 | ED-348990 | D SILICON H DS446 |
| D7 | ED-301911 | D SILICON H DS448 |
| D8 | ED-301911 | D SILICON H DS448 |
| D9 | ED-301911 | D SILICON H DS448 |
| D10 | *ED-379981J | D SILICON EG01LF-F4 F10 400/0.7A |
| D11 | *ED-379981J | D SILICON EG01LF-F4 F10 400/0.7A |
| D12 | *ED-379981J | D SILICON EG01LF-F4 F10 400/0.7A |
| D13 | *ED-379981J | D SILICON EG01LF-F4 F10 400/0.7A |
| D14 | ED-383034J | D LED SLR-54PC3F L,M GREEN |
| D15 | ED-383034J | D LED SLR-54PC3F L,M GREEN |
| D16 | ED-377933 | D ZENER H HZ27-3LFA F10 |
| D17 | ED-377933 | D ZENER H HZ27-3LFA F10 |
| D18 | ED-377933 | D ZENER H HZ27-3LFA F10 |
| D19 | ED-377933 | D ZENER H HZ27-3LFA F10 |
| D20 | *ED-379981J | D SILICON EG01LF-F4 F10 400/0.7A |
| D21 | *ED-379981J | D SILICON EG01LF-F4 F10 400/0.7A |
| D22 | ED-383034J | D LED SLR-54PC3F L,M GREEN |
| D23 | ED-383034J | D LED SLR-54PC3F L,M GREEN |
| D24 | ED-381270J | D ZENER H HZ33-1LFA F10 |
| D25 | ED-381270J | D ZENER H HZ33-1LFA F10 |
| D26 | ED-381270J | D ZENER H HZ33-1LFA F10 |
| D27 | ED-381270J | D ZENER H HZ33-1LFA F10 |
| D28 | ED-379981J | D SILICON EG01LF-F4 F10 400/0.7A |
| D29 | ED-379981J | D SILICON EG01LF-F4 F10 400/0.7A |
| D30 | ED-383034J | D LED SLR-54PC3F L,M GREEN |
| D31 | ED-383034J | D LED SLR-54PC3F L,M GREEN |
| D32 | ED-346564 | D ZENER H HZ15-1L |
| D33 | ED-346564 | D ZENER H HZ15-1L |
| D34 | *ED-379981J | D SILICON EG01LF-F4 F10 400/0.7A |
| D35 | *ED-379981J | D SILICON EG01LF-F4 F10 400/0.7A |
| D36 | *ED-379981J | D SILICON EG01LF-F4 F10 400/0.7A |
| D37 | *ED-379981J | D SILICON EG01LF-F4 F10 400/0.7A |
| D38 | ED-382611J | D LED PY5504S YELLOW |
| D39 | ED-382611J | D LED PY5504S YELLOW |
| D40 | ED-346557 | D ZENER H HZ12A3L |
| D41 | ED-346557 | D ZENER H HZ12A3L |
| D42 | ED-346529 | D ZENER H HZ6C2L |
| D43 | ED-346560 | D ZENER H HZ12B3L |
| D44 | *ED-379981J | D SILICON EG01LF-F4 F10 400/0.7A |
| D45 | *ED-379981J | D SILICON EG01LF-F4 F10 400/0.7A |
| D46 | ED-301911 | D SILICON H DS448 |
| D47 | ED-301911 | D SILICON H DS448 |
| D101 | ED-348990 | D SILICON H DS446 [AM-95] |
| D102 | ED-348990 | D SILICON H DS446 [AM-95] |
| D103 | ED-348990 | D SILICON H DS446 [AM-95] |
| D104 | ED-348990 | D SILICON H DS446 [AM-95] |
| FL1 | EH-388140J | FILTER EMI BL02RN1-R62 [AM-75] |
| FL2 | EH-388140J | FILTER EMI BL02RN1-R62 [AM-75] |
| FL3 | EH-388140J | FILTER EMI BL02RN1-R62 [AM-75] |
| IC1 | EI-345474 | IC HA12002 |

| Ref. No. | Part No. | Description |
|----------|------------|--|
| L101 | EO-332116 | COIL FIX 2 103AK-006A 2R2K [AM-95] |
| RL101 | EQ-379982J | RELAY POW G5R-2282P 2NO 48V [AM-95] |
| RL102 | EQ-379982J | RELAY POW G5R-2282P 2NO 48V [AM-95] |
| RL103 | EQ-348929 | RELAY SIG G5A-237P 2TR 12V [AM-95] |
| R1 | ER-382671J | R CB H S10 FS RDS 1/4W 6R8J [AM-75] |
| R2 | ER-382671J | R CB H S10 FS RDS 1/4W 6R8J [AM-75] |
| R3 | ER-382671J | R CB H S10 FS RDS 1/4W 6R8J [AM-75] |
| R4 | ER-382671J | R CB H S10 FS RDS 1/4W 6R8J [AM-75] |
| R5 | ER-368226 | R CT P R33+R33 5W [AM-75] |
| R6 | ER-368226 | R CT P R33+R33 5W [AM-75] |
| R15 | ER-372991 | R CB H S10 FS RDS 1/4W 101J [AM-75] |
| R18 | ER-381264J | R OMF H S20 FS 3W 332J |
| R22 | ER-378499J | R CB H S10 FS RDS 1/4W 100J |
| R33 | ER-382613J | R CB H S10 FS RDS 1/4W 331J |
| R34 | ER-382613J | R CB H S10 FS RDS 1/4W 331J |
| R39 | ER-382613J | R CB H S10 FS RDS 1/4W 331J |
| R40 | ER-382613J | R CB H S10 FS RDS 1/4W 331J |
| R43 | ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| R44 | ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| R45 | ER-378846J | R CB H S10 FS RDS 1/4W 102J |
| R49 | ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| R50 | ER-324185 | R CB H S10 FS RDS 1/4W 221J |
| R51 | ER-381265J | R OMF H S20 FS 3W 561J |
| R52 | ER-381265J | R OMF H S20 FS 3W 561J |
| R54 | ER-382614J | R CB H S10 FS RDS 1/4W 2R2J |
| R55 | ER-382614J | R CB H S10 FS RDS 1/4W 2R2J |
| R56 | ER-382614J | R CB H S10 FS RDS 1/4W 2R2J |
| R57 | ER-382614J | R CB H S10 FS RDS 1/4W 2R2J |
| R58 | ER-382614J | R CB H S10 FS RDS 1/4W 2R2J |
| R59 | ER-382614J | R CB H S10 FS RDS 1/4W 2R2J |
| R101 | ER-333023 | R OMF H S20 FS 2W 100J [AM-95] |
| R102 | ER-333023 | R OMF H S20 FS 2W 100J [AM-95] |
| R103 | ER-381265J | R OMF H S20 FS 3W 561J [AM-95] |
| TR1 | ET-378524J | TR 2SC3383 S,T,U |
| TR3 | ET-345460 | TR 2SA1208 R,S,T |
| TR4 | ET-360137 | TR 2SC3330 U,V F05 |
| TR5 | ET-360137 | TR 2SC3330 U,V F05 |
| TR6 | ET-345460 | TR 2SA1208 R,S,T |
| TR7 | ET-370038 | TR 2SC2910 S,T |
| TR8 | ET-345460 | TR 2SA1208 R,S,T |
| TR9 | ET-370038 | TR 2SC2910 S,T |
| TR10 | ET-352726 | TR 2SA1392 T,U |
| TR11 | ET-378524J | TR 2SC3383 S,T,U |
| TR12 | *ET-345460 | TR 2SA1208 R,S,T |
| TR13 | *ET-370038 | TR 2SC2910 S,T |
| TR14 | *ET-359827 | TR FET 2SK246 BL |
| TR15 | *ET-349459 | TR 2SD1406 O,Y,GR |
| TR901 | *ET-368760 | TR 2SC3855 P,Y [AM-75] |
| TR902 | *ET-368760 | TR 2SC3855 P,Y [AM-75] |
| TR903 | *ET-368758 | TR 2SA1491 P,Y [AM-75] |
| TR904 | *ET-368758 | TR 2SA1491 P,Y [AM-75] |
| F3A | *EF-327103 | FUSE TSC A 250V 500MA [U] |
| F3B | *EF-623103 | FUSE SEMKO T 250V 1.00A [E,V] |
| F3C | *EF-355226 | FUSE BET T 250V 1.00A [B] |
| F4A | *EF-327103 | FUSE TSC A 250V 500MA [U] |

| Ref. No. | Part No. | Description |
|----------|------------|----------------------------------|
| F4B | *EF-623103 | FUSE SEMKO T 250V 1.00A [E,V] |
| F4C | *EF-355226 | FUSE BET T 250V 1.00A [B] |
| F5A | *EF-309388 | FUSE TSC A 250V 800MA [U] |
| F5B | *EF-623103 | FUSE SEMKO T 250V 1.00A [E,V] |
| F5C | *EF-355226 | FUSE BET T 250V 1.00A [B] |

4. SPEAKER TERMINAL P.C BOARD

| Ref. No. | Part No. | Description |
|----------|------------|---|
| D101 | ED-348990 | D SILICON H DS446 [AM-75] |
| D102 | ED-348990 | D SILICON H DS446 [AM-75] |
| D103 | ED-348990 | D SILICON H DS446 [AM-75] |
| D104 | ED-348990 | D SILICON H DS446 [AM-75] |
| FL101 | EH-388140J | FILTER EMI BL02RN1-R62 [V] [AM-75] |
| FL102 | EH-388140J | FILTER EMI BL02RN1-R62 [V] [AM-75] |
| L101 | EO-332116 | COIL FIX 2 103AK-006A 2R2K [AM-75] |
| RL101 | EQ-379982J | RELAY POW G5R-2282P 2NO 48V [AM-75] |
| RL102 | EQ-379982J | RELAY POW G5R-2282P 2NO 48V [AM-75] |
| RL103 | EQ-348929 | RELAY SIG G5A-237P 2TR 12V [AM-75] |
| R101 | ER-381266J | R OMF H S20 FS 3W 100J [AM-75] |
| R102 | ER-381266J | R OMF H S20 FS 3W 100J [AM-75] |
| R103 | ER-381265J | R OMF H S20 FS 3W 561J [AM-75] |
| TM901 | EJ-379983J | TERMINAL W/SCREW YKD:1 -0338 8P [SPEAKER TERMINAL] |

5. FUSE P.C BOARD

| Ref. No. | Part No. | Description |
|----------|------------|---|
| L301A | EO-332116 | COIL FIX 2 103AK-006A 2R2K [EXCEPT AM-95V] |
| L301B | EO-388137J | COIL FIX 2 103AK-006B 6R8K [V] [AM-95] |
| L302A | EO-332116 | COIL FIX 2 103AK-006A 2R2K [U] [AM-95] |
| L302B | EO-388137J | COIL FIX 2 103AK-006B 6R8K [V] [AM-95] |
| F1A | *EF-306952 | FUSE TSC A 250V 4.00A [U] [AM-75] |
| F1B | *EF-341260 | FUSE TSC A 250V 8.00A [U] [AM-95] |
| F1C | *EF-690996 | FUSE SEMKO T 250V 4.00A [E,V] [AM-75] |
| F1D | *EF-242605 | FUSE SEMKO T 250V 6.30A [E,V] [AM-95] |
| F1E | *EF-359086 | FUSE BET T 250V 4.00A [B] [AM-75] |
| F1F | *EF-355399 | FUSE BET T 250V 5.00A [B] [AM-95] |
| F2A | *EF-306952 | FUSE TSC A 250V 4.00A [U] [AM-75] |
| F2B | *EF-341260 | FUSE TSC A 250V 8.00A [U] [AM-95] |
| 1 | EX-388136J | THERMISTOR 3D-22 [E,B,V] [AM-95] |

6. TAPE P.C BOARD (AM-95)

| Ref. No. | Part No. | Description |
|----------|-----------|----------------------------------|
| J1 | EJ-336904 | PIN J AJC-036-ACB P 6P [PLAY] |
| J2 | EJ-336904 | PIN J AJC-036-ACB P 6P [REC] |

7. POWER SW P.C BOARD

| Ref. No. | Part No. | Description |
|----------|-------------|---------------------------------------|
| C401A | *EC-320548 | C CE V F 103Z 250AC [U] |
| C401B | *EC-338496 | C CE V DE7 FZ 472P 400AC [E,B] |
| C401C | *EH-386991J | SPARK QUENCHER XE120033 [V] |
| SW1 | *ES-355407 | SW PUSH ESB-99713V TV-8 [POWER SW] |

8. INDICATOR P.C BOARD

| Ref. No. | Part No. | Description |
|----------|------------|----------------------------------|
| D501 | ED-382620J | D LED PG5562X GREEN [DIGITAL] |
| D502 | ED-382620J | D LED PG5562X GREEN [48KHZ] |
| D503 | ED-382620J | D LED PG5562X GREEN [44KHZ] |
| D504 | ED-382620J | D LED PG5562X GREEN [32KHZ] |

9. POWER LED P.C BOARD

| Ref. No. | Part No. | Description |
|----------|-----------|------------------------------------|
| D601 | ED-361885 | D LED SLP-384C-51 GREEN [POWER] |
| D602 | ED-361885 | D LED SLP-384C-51 GREEN [POWER] |

10. HEADPHONE P.C BOARD

| Ref. No. | Part No. | Description |
|----------|-----------|---|
| J701 | EJ-369995 | PHONE J 3P HLJ0540-410 GP 6.3 [PHONES] |

11. REGULATOR P.C BOARD

| Ref. No. | Part No. | Description |
|----------|-------------|----------------|
| TR801 | *ET-385557J | TR 2SC3298 Y |
| TR802 | *ET-385577J | TR 2SA1306 Y |
| TR803 | *ET-345625 | TR 2SC3116 S,T |
| TR804 | *ET-345626 | TR 2SA1248 S,T |
| TR805 | *ET-345625 | TR 2SC3116 S,T |
| TR806 | *ET-345626 | TR 2SA1248 S,T |
| TR807 | *ET-345625 | TR 2SC3116 S,T |
| TR808 | *ET-345626 | TR 2SA1248 S,T |
| TR809 | *ET-345625 | TR 2SC3116 S,T |

12. POWER AMP P.C BOARD (AM-95)

| Ref. No. | Part No. | Description |
|----------|-------------|-----------------------------|
| C1 | EC-377960 | C PP V F05 CSF3 101J 125DC |
| C10 | EC-347375 | C MC V F05 FE92 220J 500DC |
| C11 | EC-347375 | C MC V F05 FE92 220J 500DC |
| D1 | ED-385575J | D SILICON H 1SS182FA F10 |
| D2 | ED-385575J | D SILICON H 1SS182FA F10 |
| D3 | ED-305655 | D ZENER H HZ4 B3 |
| D4 | ED-305655 | D ZENER H HZ4 B3 |
| FL101 | EH-383070J | FILTER EMI BL01RN1-A62 |
| FL102 | EH-383070J | FILTER EMI BL01RN1-A62 |
| FL103 | EH-383070J | FILTER EMI BL01RN1-A62 |
| FL104 | EH-383070J | FILTER EMI BL01RN1-A62 |
| IC1 | EI-362587 | IC M5238L |
| R35 | ER-378846J | R CB H S10 FS RDS 1/4W 102J |
| R37 | ER-372991 | R CB H S10 FS RDS 1/4W 101J |
| R38 | ER-372991 | R CB H S10 FS RDS 1/4W 101J |
| R39 | ER-324186 | R CB H S10 FS RDS 1/4W 681J |
| R40 | ER-383007J | R OMF H S12 FS 1W 1R0J |
| R41 | ER-383007J | R OMF H S12 FS 1W 1R0J |
| R42 | ER-383007J | R OMF H S12 FS 1W 1R0J |
| R43 | ER-383007J | R OMF H S12 FS 1W 1R0J |
| R44 | ER-355214 | R OMF H S15 FS 2W 151J |
| R46 | ER-368226 | R CT P R33+R33 5W |
| R47 | ER-368226 | R CT P R33+R33 5W |
| TR1 | ET-354897 | TR FET 2SK170 BL,GR,V |
| TR2 | ET-357162 | TR FET 2SJ74 GR,BL,V |
| TR3 | ET-370038 | TR 2SC2910 S,T |
| TR4 | ET-345460 | TR 2SA1208 R,S,T |
| TR5 | ET-345460 | TR 2SA1208 R,S,T |
| TR6 | ET-370038 | TR 2SC2910 S,T |
| TR7 | ET-345460 | TR 2SA1208 R,S,T |
| TR8 | ET-345460 | TR 2SA1208 R,S,T |
| TR9 | ET-370038 | TR 2SC2910 S,T |
| TR10 | ET-370038 | TR 2SC2910 S,T |
| TR11 | ET-308141 | TR 2SC2603 G F05 |
| TR13 | ET-370038 | TR 2SC2910 S,T |
| TR14 | ET-345460 | TR 2SA1208 R,S,T |
| TR15 | *ET-385557J | TR 2SC3298 Y |
| TR16 | *ET-385577J | TR 2SA1306 Y |
| TR17 | *ET-385559J | TR 2SC3856 P,Y |
| TR18 | *ET-385559J | TR 2SC3856 P,Y |
| TR19 | *ET-385561J | TR 2SA1492 P,Y |
| TR20 | *ET-385561J | TR 2SA1492 P,Y |
| VR1 | EV-330369 | R S-FIX H RH1051C 0.15W222 |

13. V AMP P.C BOARD (AM-75)

| Ref. No. | Part No. | Description |
|----------|------------|----------------------------------|
| IC1 | EI-362588 | IC M5238P |
| J1 | EJ-336904 | PIN J AJC-036-ACB P 6P [TAPE] |
| J2 | EJ-336904 | PIN J AJC-036-ACB P 6P [TAPE] |
| R28 | ER-378498J | R CB H S10 FS RDS 1/4W 682J |
| R36 | ER-378499J | R CB H S10 FS RDS 1/4W 100J |
| R37 | ER-378499J | R CB H S10 FS RDS 1/4W 100J |
| R45 | ER-382603J | R CB H S10 FS RDS 1/4W 471J |
| R46 | ER-382603J | R CB H S10 FS RDS 1/4W 471J |
| R47 | ER-382603J | R CB H S10 FS RDS 1/4W 471J |
| TR1 | ET-354897 | TR FET 2SK170 BL,GR,V |
| TR2 | ET-357162 | TR FET 2SJ74 GR,BL,V |
| TR3 | ET-370038 | TR 2SC2910 S,T |
| TR4 | ET-345460 | TR 2SA1208 R,S,T |
| TR5 | ET-345460 | TR 2SA1208 R,S,T |
| TR6 | ET-370038 | TR 2SC2910 S,T |
| TR7 | ET-370038 | TR 2SC2910 S,T |
| TR8 | ET-370038 | TR 2SC2910 S,T |
| TR9 | ET-345460 | TR 2SA1208 R,S,T |
| TR10 | ET-370038 | TR 2SC2910 S,T |
| TR11 | ET-348829 | TR 2SA1209 S,T |
| TR12 | ET-348831 | TR 2SC2911 S,T |
| TR13 | ET-348831 | TR 2SC2911 S,T |
| TR14 | ET-348829 | TR 2SA1209 S,T |
| TR15 | ET-345625 | TR 2SC3116 S,T |
| TR16 | ET-345626 | TR 2SA1248 S,T |

14. EQUALIZER P.C BOARD (AM-75)

| Ref. No. | Part No. | Description |
|----------|------------|--|
| D101 | ED-383034J | D LED SLR-54PC3F L,M GREEN |
| D102 | ED-343410 | D ZENER H HZ6A1L |
| D103 | ED-343410 | D ZENER H HZ6A1L |
| J101 | EJ-336904 | PIN J AJC-036-ACB P 6P [PHONO/CD/TUNER] |
| J102 | EJ-336904 | PIN J AJC-036-ACB P 6P [AUX/PROCESSOR] |
| R127 | ER-382604J | R CB H S10 FS RDS 1/4W 390J |
| R128 | ER-382604J | R CB H S10 FS RDS 1/4W 390J |
| TR101 | ET-354897 | TR FET 2SK170 BL,GR,V |
| TR102 | ET-357162 | TR FET 2SJ74 GR,BL,V |
| TR103 | ET-352726 | TR 2SA1392 T,U |
| TR104 | ET-378524J | TR 2SC3383 S,T,U |
| TR105 | ET-378524J | TR 2SC3383 S,T,U |
| TR106 | ET-352726 | TR 2SA1392 T,U |
| VR101 | EV-360948 | R S-FIX V RVF8W01 0/10W 104 |

15. TR P.C BOARD (AM-75)

| Ref. No. | Part No. | Description |
|----------|-----------|-----------------------------|
| D201 | ED-301911 | D SILICON H DS448 |
| TR905 | ET-348831 | TR 2SC2911 S,T |
| VR201 | EV-346380 | R S-FIX H RH1051C 0.15W 332 |

16. TR P.C BOARD (AM-95)

| Ref. No. | Part No. | Description |
|----------|-----------|----------------|
| TR12 | ET-348829 | TR 2SA1209 S,T |

17. EQUALIZER P.C BOARD (AM-95)

| Ref. No. | Part No. | Description |
|----------|------------|--|
| C102 | EC-334015 | C EC V CUT NP SM 102M 6.3DC |
| C150 | EC-347408 | C MC V F05 FE92 101J 500DC |
| C201 | EC-382572J | C PC MKC1862 334K 100DC |
| D101 | ED-301911 | D SILICON H DS448 |
| D102 | ED-301911 | D SILICON H DS448 |
| D301 | ED-346570 | D ZENER H HZ18-3L |
| D302 | ED-346570 | D ZENER H HZ18-3L |
| FL101 | EH-383070J | FILTER EMI BL01RN1-A62 |
| FL102 | EH-383070J | FILTER EMI BL01RN1-A62 |
| IC201 | EI-362588 | IC M5238P |
| J101 | EJ-336904 | PIN J AJC-036-ACB P 6P [PHONO/CD/TUNER] |
| J102 | EJ-336904 | PIN J AJC-036-ACB P 6P [AUX/PROCESSOR] |
| L101 | EO-353587 | COIL FIX 1 LAP02 F05 220K |
| L102 | EO-353587 | COIL FIX 1 LAP02 F05 220K |
| R127 | ER-382604J | R CB H S10 FS RDS 1/4W 390J |
| R128 | ER-382604J | R CB H S10 FS RDS 1/4W 390J |
| R301 | *ER-338000 | R FUSE H S10 ERD2FC 1/4W 2200G |
| R302 | *ER-338000 | R FUSE H S10 ERD2FC 1/4W 2200G |
| SW101 | ES-385552J | SW REMOTE S SSSR24 [CARTRIDGE] |
| TR101 | ET-354897 | TR FET 2SK170 BL,GR,V |
| TR102 | ET-357162 | TR FET 2SJ74 GR,BL,V |
| TR103 | ET-352726 | TR 2SA1392 T,U |
| TR104 | ET-378524J | TR 2SC3383 S,T,U |
| TR105 | ET-378524J | TR 2SC3383 S,T,U |
| TR106 | ET-352726 | TR 2SA1392 T,U |
| TR201 | ET-353899 | TR 2SA1317 S,T,U |
| TR202 | ET-360137 | TR 2SC3330 U,V F05 |
| TR301 | ET-371028 | TR 2SD1266 P,Q |
| TR302 | ET-354601 | TR 2SB941 P,Q |
| VR201 | EV-347942 | R S-FIX V RVF8W01 0.10 502 |

18. INPUT P.C BOARD

| Ref. No. | Part No. | Description |
|----------|------------|---|
| D1 | ED-343410 | D ZENER H HZ6A1L |
| SW301 | ES-379986J | SW ROTARY SRRZS6 2-06-06N [INPUT SELECTOR] |
| SW302 | ES-379987J | SW ROTARY SRRZS6 2-06-03N [TAPE SELECTOR] |
| SW303 | ES-379988J | SW ROTARY SRRZS8 2-08-03N [DIRECT OPERATION] |
| SW304 | ES-379984J | SW ROTARY SRRZS4 2-04-04N [DIGITAL INPUT] |
| TR1 | ET-360646 | TR DTA143ES |
| TR2 | ET-360646 | TR DTA143ES |
| TR3 | ET-360646 | TR DTA143ES |
| VR1 | EV-387949J | VR ROTARY RK18114A0 A 104 X4 [MAIN VOLUME] |

19. TONE CONTROL P.C BOARD

| Ref. No. | Part No. | Description |
|----------|------------|--|
| IC1 | EI-344764 | IC M5218P-21 |
| SW1 | ES-379984J | SW ROTARY SRRZS4 2-04-04N [SPEAKER SELECTOR] |
| VR1 | EV-379992J | VR ROTARY RK1631210 C 104 X2 [BASS CONTROL] |
| VR2 | EV-379993J | VR ROTARY RK1631210 C 104 X2 [TREBLE CONTROL] |

MC-Service

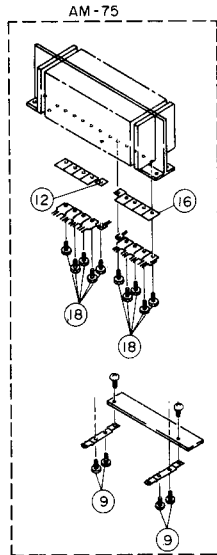
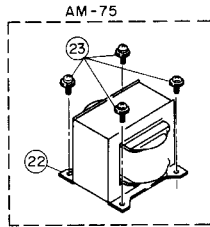
20. REC SELECTOR P.C BOARD

| Ref. No. | Part No. | Description |
|----------|------------|--|
| SW1 | ES-379986J | SW ROTARY SRRZS6 2-06-06N [REC SELECTOR] |
| SW2 | ES-379988J | SW ROTARY SRRZS8 2-08-03N [TAPE SELECTOR] |
| SW3 | ES-378941J | SW PUSH SPUL12 2-04-02S [MUTE] |
| VR1 | EV-379994J | VR ROTARY RK1631110 SPL W104 [BALANCE] |

| Ref. No. | Part No. | Description |
|----------|------------|------------------------|
| TR13 | ET-378524J | TR 2SC3383 S,T,U |
| TR14 | ET-378524J | TR 2SC3383 S,T,U |
| TR15 | ET-378524J | TR 2SC3383 S,T,U |
| TR16 | ET-354370 | TR DTA124ES |
| TR17 | ET-354370 | TR DTA124ES |
| TR18 | ET-354370 | TR DTA124ES |
| T1 | BT-368261 | TRANS PULSE TC-1027-04 |

21. DAC P.C BOARD

| Ref. No. | Part No. | Description |
|----------|-------------|--|
| D1 | ED-624903 | D SILICON H 1S2473 |
| D2 | ED-624903 | D SILICON H 1S2473 |
| D3 | ED-624903 | D SILICON H 1S2473 |
| D4 | ED-624903 | D SILICON H 1S2473 |
| D5 | ED-624903 | D SILICON H 1S2473 |
| D6 | ED-624903 | D SILICON H 1S2473 |
| D7 | ED-624903 | D SILICON H 1S2473 |
| D8 | ED-624903 | D SILICON H 1S2473 |
| IC1 | EI-390063J | IC PD0037 |
| IC2 | EI-360040J1 | IC TC74HCU04AP |
| IC3 | EI-360040J1 | IC TC74HCU04AP |
| IC4 | EI-360040J1 | IC TC74HCU04AP |
| IC5 | EI-360037J1 | IC TC74HC00AP |
| IC6 | EI-360037J1 | IC TC74HC00AP |
| IC7 | EI-360027 | IC TC74HC86P |
| IC8 | EI-390995J | IC MN6471M |
| IC9 | EI-390996J | IC FAR-18M432-D300 |
| IC10 | EI-362588 | IC M5238P |
| IC11 | EI-360225 | IC NJM5532D |
| J1 | EJ-385272J | SOCKET OPTICAL T0RX174 [DIGITAL 1 IN] |
| J2 | EJ-385272J | SOCKET OPTICAL T0RX174 [DIGITAL 3 IN] |
| J3 | EJ-383549J | SOCKET OPTICAL T0TX174 [DIGITAL 3 OUT] |
| J4 | EJ-377170 | PIN J YKB11-0473 GP ORANGE 1P [DIGITAL 2 IN] |
| J5 | EJ-377170 | PIN J YKB11-0473 GP ORANGE 1P [DIGITAL 4 IN] |
| J6 | EJ-377170 | PIN J YKB11-0473 GP ORANGE 1P [DIGITAL 4 OUT] |
| L1 | EO-318379 | COIL FIX 1 LAL04 101K |
| L2 | EO-345927 | COIL FIX 1 LAL03KH 101K |
| L3 | EO-345927 | COIL FIX 1 LAL03KH 101K |
| L4 | EO-345909 | COIL FIX 1 LAL03KH 4R7K |
| L5 | EO-349462 | COIL FIX 2 U147 |
| L6 | EO-349462 | COIL FIX 2 U147 |
| L7 | EO-345904 | COIL FIX 1 LAL03KH 1R5M |
| L8 | EO-345927 | COIL FIX 1 LAL03KH 101K |
| L10 | EO-345927 | COIL FIX 1 LAL03KH 101K |
| L11 | EO-345922 | COIL FIX 1 LAL03KH 470K |
| L12 | EO-345922 | COIL FIX 1 LAL03KH 470K |
| L13 | EO-345922 | COIL FIX 1 LAL03KH 470K |
| L14 | EO-345909 | COIL FIX 1 LAL03KH 4R7K |
| L15 | EO-345909 | COIL FIX 1 LAL03KH 4R7K |
| TR1 | ET-354371 | TR DTC124ES |
| TR2 | ET-352726 | TR 2SA1392 T,U |
| TR3 | ET-354371 | TR DTC124ES |
| TR4 | ET-354371 | TR DTC124ES |
| TR5 | ET-354370 | TR DTA124ES |
| TR6 | ET-354370 | TR DTA124ES |
| TR7 | ET-338410 | TR 2SC2878 A,B |
| TR8 | ET-338410 | TR 2SC2878 A,B |
| TR9 | ET-354371 | TR DTC124ES |
| TR10 | ET-356336 | TR DTA114ES |
| TR11 | ET-354371 | TR DTC124ES |
| TR12 | ET-356336 | TR DTA114ES |



22. FAINAL ASSEMBLY BLOCK

| Ref. No. | Part No. | Description |
|----------|------------|---|
| 1A | SP-391759J | PANEL REAR AM-75(U) [U] [AM-75] |
| 1B | SP-391760J | PANEL REAR AM-75(E,V) [E,V] [AM-75] |
| 1C | SP-391761J | PANEL REAR AM-75(B) [B] [AM-75] |
| 1D | SP-391755J | PANEL REAR AM-95(U) [U] [AM-95] |
| 1E | SP-391756J | PANEL REAR AM-95(E,V) [E,V] [AM-95] |
| 1F | SP-391757J | PANEL REAR AM-95(B) [B] [AM-95] |
| 2 | *EJ-337405 | SOCKET OUT S2T733T164 JUC 3X2P [U] |
| 3A | *EW-363658 | AC CORD 200 0129AVFF B100 A U/ [U] |
| 3B | *EW-363671 | AC CORD 200 0364 LCFL B100 A E [E,V] |
| 3C | *EW-363683 | AC CORD 200 LCFL B100 A B [B] |
| 4 | *ES-349070 | SW SELECTOR YKS11-0002 02-4 [U] [VOLTAGE SELECTOR] |
| 5 | EJ-329610 | TERMINAL W/SCREW UB-0067 L 1P |
| 6 | ZS-308846 | T2BR30X08STL BZN PROJECTION |
| 7 | EZ-250356 | INSULATOR BUSH AC311 |
| 8 | ZW-383864J | WASHER INSULATE |
| 9 | ZS-447840 | T2BR30X08STL CMT |

| Ref. No. | Part No. | Description |
|----------|---------------|---|
| 10 | ES-385553J | SW REMOTE O SPUR12 [AM-95] |
| 11 | ES-385576J | SW REMOTE B SWWR10 [AM-95] |
| 12 | EZ-200473 | SILICON RUBBER SHEET TC-30 |
| 13 | ZS-379350 | PAN30X06STL CMT |
| 14 | EZ-387958J | TR SUPPORT BFG-20AD TO-3P [AM-95] |
| 15 | ZS-379405 | BID30X06STL CMT |
| 16 | EZ-345459 | TR SUPPORT BFG-20T0-3P |
| 18 | ZS-380046 | PAN30X10STL CMT |
| 19 | ZS-413785 | BID30X12STL CMT [AM-95] |
| 20 | ZS-321298 | BID30X08STL CMT [AM-95] |
| 21 | ZS-381181J | +6B40X060STL CMT [AM-95] |
| 22A | *BT-379958J | TRANS POW A2057(U) [U] [AM-75] |
| 22B | *BT-379962J1 | TRANS POW A2057(EV) [E,V] [AM-75] |
| 22C | *BT-379963J1 | TRANS POW A2057(B) [B] [AM-75] |
| 22D | *BT-385569J | TRANS POW A2050(U) [U] [AM-95] |
| 22E | *BT-385572J | TRANS POW A2050(EV) [E,V] [AM-95] |
| 22F | *BT-385573J | TRANS POW A2050(B) [B] [AM-95] |
| 23 | ZS-365373 | ST BID40X10STL CMT CUP |
| 24 | SZ-385531J | SHEET PREVENT SHAKING [AM-95] |
| 25 | ZW-385530J | BUSH TRANS [AM-95] |
| 26 | EJ-348218 | PLUG SHORT PIN P2138 |
| 27 | SK-379900J | KNOB MUTE |
| 28 | ZW-368205 | FLEXIBLE RING 2414-0-0-086-01 |
| 29A | BD-A2057A060C | PANEL FRONT BLK AM-75-B [AM-75] |
| 29B | BD-A2050C060B | PANEL FRONT BLK AM-95-B [AM-95] |
| 30 | ZS-308846 | T2BR30X08STL BZN PROJECTION |
| 31 | ZS-565942 | T2PAN40X08STL CMT [AM-95] |
| 32 | SC-379906J | COVER BOTTOM |
| 33A | SA-384105J | FOOT ROUND SHAPED(N) [AM-75] |
| 33B | SA-384387J | FOOT ROUND SHAPED(N)(2) [AM-95] |
| 34 | ZS-304021 | ST BID40X12STL CMT |
| 35 | SK-379887J1 | KNOB VR B PART |
| 36 | SK-379898J1 | KNOB BALANCE PART |
| 37 | SK-379893J1 | KNOB SELECTOR PART |
| 38 | SK-379896J1 | KNOB SP PART |
| 39 | SK-373236B | KNOB POWER-B |
| 40 | ZW-381273J | SPACER |
| 41A | SP-379905J | CAVER UPPER(2) B [EXCEPT AM-95E/V/B] |
| 41B | SP-381237J | COVER UPPER B [E,V,B] [AM-95] |
| 42 | ZS-308846 | T2BR30X08STL BZN PROJECTION |
| 43 | ZS-381482J | SCREW TOP COVER(3) B OM |
| 44 | SP-381364J | SIDE BOARD(L) |
| 45 | SP-381365J | SIDE BOARD(R) |
| 46 | ZW-376292 | WASHER SIDE BOARD |
| 47 | ZS-376293 | SCREW SIDE BOARD |
| 48 | SZ-725384J | CAP OPTICAL PROTECTOR |

NOTE:
Parts will not be supplied if they are not listed in the parts list, even if they appear on the assembling illustrations with reference No.

INDEX

| Part No. | Ref. No. | Part No. | Ref. No. | Part No. | Ref. No. | Part No. | Ref. No. |
|---------------|----------|------------|----------|-------------|----------|------------|----------|
| BA-A2050A030A | 2-6A | ED-348990 | 3-D6 | EF-341260 | 5-F1B | EO-332116 | 5-L302A |
| BA-A2050A070A | 2-3A | ED-348990 | 3-D101 | EF-341260 | 5-F2B | EO-345904 | 21-L7 |
| BA-A2050C020A | 2-1D | ED-348990 | 3-D102 | EF-355226 | 1-27 | EO-345909 | 21-L4 |
| BA-A2050C020D | 2-1E | ED-348990 | 3-D103 | EF-355226 | 3-F3C | EO-345909 | 21-L14 |
| BA-A2050C020E | 2-1F | ED-348990 | 3-D104 | EF-355226 | 3-F4C | EO-345909 | 21-L15 |
| BA-A2050C030B | 2-6B | ED-348990 | 4-D101 | EF-355226 | 3-F5C | EO-345922 | 21-L11 |
| BA-A2050C070D | 2-3B | ED-348990 | 4-D102 | EF-355399 | 1-29 | EO-345922 | 21-L12 |
| BA-A2050C070E | 2-3C | ED-348990 | 4-D103 | EF-355399 | 5-F1F | EO-345922 | 21-L13 |
| BA-A2057A020A | 2-1A | ED-348990 | 4-D104 | EF-359086 | 1-28 | EO-345927 | 21-L2 |
| BA-A2057A020D | 2-1B | ED-361885 | 1-10 | EF-359086 | 5-F1E | EO-345927 | 21-L3 |
| BA-A2057A020E | 2-1C | ED-361885 | 9-D601 | EF-623103 | 1-30 | EO-345927 | 21-L8 |
| BA-A2057A030A | 2-2A | ED-361885 | 9-D602 | EF-623103 | 3-F3B | EO-345927 | 21-L10 |
| BA-A2057A030C | 2-2B | ED-377933 | 1-22 | EF-623103 | 3-F4B | EO-349462 | 21-L5 |
| BA-A2057A040A | 2-4A | ED-377933 | 3-D16 | EF-623103 | 3-F5B | EO-349462 | 21-L6 |
| BA-A2057A040B | 2-4B | ED-377933 | 3-D17 | EF-690996 | 1-31 | EO-353587 | 17-L101 |
| BA-A2057A040C | 2-4C | ED-377933 | 3-D18 | EF-690996 | 5-F1C | EO-353587 | 17-L102 |
| BA-A2057A040D | 2-4D | ED-377933 | 3-D19 | EH-383070J | 1-37 | EO-388137J | 5-L301B |
| BA-A2064C050A | 2-5 | ED-379981J | 1-12 | EH-383070J | 12-FL101 | EO-388137J | 5-L302B |
| BD-A2050C060B | 22-29B | ED-379981J | 3-D10 | EH-383070J | 12-FL102 | EQ-348929 | 1-51 |
| BD-A2057A060C | 22-29A | ED-379981J | 3-D11 | EH-383070J | 12-FL103 | EQ-348929 | 3-RL103 |
| BT-368261 | 1-7 | ED-379981J | 3-D12 | EH-383070J | 12-FL104 | EQ-348929 | 4-RL103 |
| BT-368261 | 21-T1 | ED-379981J | 3-D13 | EH-383070J | 17-FL101 | EQ-379982J | 1-50 |
| BT-379958J | 1-6 | ED-379981J | 3-D20 | EH-383070J | 17-FL102 | EQ-379982J | 3-RL101 |
| BT-379958J | 22-22A | ED-379981J | 3-D21 | EH-386991J | 7-C401C | EQ-379982J | 3-RL102 |
| BT-379962J1 | 1-5 | ED-379981J | 3-D28 | EH-388140J | 1-38 | EQ-379982J | 4-RL101 |
| BT-379962J1 | 22-22B | ED-379981J | 3-D29 | EH-388140J | 3-FL1 | EQ-379982J | 4-RL102 |
| BT-379963J1 | 1-4 | ED-379981J | 3-D34 | EH-388140J | 3-FL2 | ER-324185 | 3-R43 |
| BT-379963J1 | 22-22C | ED-379981J | 3-D35 | EH-388140J | 3-FL3 | ER-324185 | 3-R44 |
| BT-385569J | 1-3 | ED-379981J | 3-D36 | EH-388140J | 4-FL101 | ER-324185 | 3-R49 |
| BT-385569J | 22-22D | ED-379981J | 3-D37 | EH-388140J | 4-FL102 | ER-324185 | 3-R50 |
| BT-385572J | 1-2 | ED-379981J | 3-D44 | EI-344764 | 1-42 | ER-324186 | 12-R39 |
| BT-385572J | 22-22E | ED-379981J | 3-D45 | EI-344764 | 19-IC1 | ER-333023 | 3-R101 |
| BT-385573J | 1-1 | ED-381270J | 1-23 | EI-345474 | 1-40 | ER-333023 | 3-R102 |
| BT-385573J | 22-22F | ED-381270J | 3-D24 | EI-345474 | 3-IC1 | ER-338000 | 17-R301 |
| EC-320548 | 7-C401A | ED-381270J | 3-D25 | EI-360027 | 1-49 | ER-338000 | 17-R302 |
| EC-334015 | 17-C102 | ED-381270J | 3-D26 | EI-360027 | 21-IC7 | ER-355214 | 12-R44 |
| EC-338496 | 7-C401B | ED-381270J | 3-D27 | EI-360037J1 | 1-48 | ER-368226 | 3-R5 |
| EC-347375 | 12-C10 | ED-382611J | 1-9 | EI-360037J1 | 21-IC5 | ER-368226 | 3-R6 |
| EC-347375 | 12-C11 | ED-382611J | 3-D38 | EI-360037J1 | 21-IC6 | ER-368226 | 12-R46 |
| EC-347408 | 17-C150 | ED-382611J | 3-D39 | EI-360040J1 | 1-47 | ER-368226 | 12-R47 |
| EC-368039 | 3-C30B | ED-382620J | 1-8 | EI-360040J1 | 21-IC2 | ER-372991 | 3-R15 |
| EC-377960 | 3-C30A | ED-382620J | 8-D501 | EI-360040J1 | 21-IC3 | ER-372991 | 12-R37 |
| EC-377960 | 12-C1 | ED-382620J | 8-D502 | EI-360040J1 | 21-IC4 | ER-372991 | 12-R38 |
| EC-382572J | 17-C201 | ED-382620J | 8-D503 | EI-360225 | 1-45 | ER-378498J | 13-R28 |
| EC-387907J | 3-C1 | ED-382620J | 8-D504 | EI-360225 | 21-IC11 | ER-378499J | 3-R22 |
| EC-387907J | 3-C2 | ED-382668J | 1-17 | EI-362587 | 1-43 | ER-378499J | 13-R36 |
| ED-301911 | 1-14 | ED-382668J | 3-D1 | EI-362587 | 12-IC1 | ER-378499J | 13-R37 |
| ED-301911 | 3-D7 | ED-383034J | 1-11 | EI-362588 | 1-44 | ER-378846J | 3-R45 |
| ED-301911 | 3-D8 | ED-383034J | 3-D14 | EI-362588 | 13-IC1 | ER-378846J | 12-R35 |
| ED-301911 | 3-D9 | ED-383034J | 3-D15 | EI-362588 | 17-IC201 | ER-381264J | 3-R18 |
| ED-301911 | 3-D46 | ED-383034J | 3-D22 | EI-362588 | 21-IC10 | ER-381265J | 3-R51 |
| ED-301911 | 3-D47 | ED-383034J | 3-D23 | EI-390063J | 1-46 | ER-381265J | 3-R52 |
| ED-301911 | 15-D201 | ED-383034J | 3-D30 | EI-390063J | 21-IC1 | ER-381265J | 3-R103 |
| ED-301911 | 17-D101 | ED-383034J | 3-D31 | EI-390995J | 1-41 | ER-381265J | 4-R103 |
| ED-301911 | 17-D102 | ED-383034J | 14-D101 | EI-390995J | 21-IC8 | ER-381266J | 4-R101 |
| ED-305655 | 1-24 | ED-385575J | 1-15 | EI-390996J | 1-39 | ER-381266J | 4-R102 |
| ED-305655 | 12-D3 | ED-385575J | 3-D4B | EI-390996J | 21-IC9 | ER-382603J | 13-R45 |
| ED-305655 | 12-D4 | ED-385575J | 3-D5B | EJ-329610 | 22-5 | ER-382603J | 13-R46 |
| ED-343410 | 1-25 | ED-385575J | 12-D1 | EJ-336904 | 6-J1 | ER-382603J | 13-R47 |
| ED-343410 | 14-D102 | ED-385575J | 12-D2 | EJ-336904 | 6-J2 | ER-382604J | 14-R127 |
| ED-343410 | 14-D103 | ED-624903 | 1-16 | EJ-336904 | 13-J1 | ER-382604J | 14-R128 |
| ED-343410 | 18-D1 | ED-624903 | 21-D1 | EJ-336904 | 13-J2 | ER-382604J | 17-R127 |
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| ED-346529 | 3-D42 | ED-624903 | 21-D3 | EJ-336904 | 14-J102 | ER-382613J | 3-R33 |
| ED-346557 | 1-18 | ED-624903 | 21-D4 | EJ-336904 | 17-J101 | ER-382613J | 3-R34 |
| ED-346557 | 3-D40 | ED-624903 | 21-D5 | EJ-336904 | 17-J102 | ER-382613J | 3-R39 |
| ED-346557 | 3-D41 | ED-624903 | 21-D6 | EJ-337405 | 22-2 | ER-382613J | 3-R40 |
| ED-346560 | 1-19 | ED-624903 | 21-D7 | EJ-348218 | 22-26 | ER-382614J | 3-R54 |
| ED-346560 | 3-D43 | ED-624903 | 21-D8 | EJ-369995 | 10-J701 | ER-382614J | 3-R55 |
| ED-346564 | 1-20 | EF-242605 | 1-32 | EJ-377170 | 21-J4 | ER-382614J | 3-R56 |
| ED-346564 | 3-D32 | EF-242605 | 5-F1D | EJ-377170 | 21-J5 | ER-382614J | 3-R57 |
| ED-346564 | 3-D33 | EF-306952 | 1-33 | EJ-377170 | 21-J6 | ER-382614J | 3-R58 |
| ED-346570 | 1-21 | EF-306952 | 5-F1A | EJ-379983J | 4-TM901 | ER-382614J | 3-R59 |
| ED-346570 | 17-D301 | EF-306952 | 5-F2A | EJ-383549J | 21-J3 | ER-382671J | 3-R1 |
| ED-346570 | 17-D302 | EF-309388 | 1-36 | EJ-385272J | 21-J1 | ER-382671J | 3-R2 |
| ED-348990 | 1-13 | EF-309388 | 3-F5A | EJ-385272J | 21-J2 | ER-382671J | 3-R3 |
| ED-348990 | 3-D2 | EF-327103 | 1-34 | EO-318379 | 21-L1 | ER-382671J | 3-R4 |
| ED-348990 | 3-D3 | EF-327103 | 3-F3A | EO-332116 | 3-L101 | ER-383007J | 12-R40 |
| ED-348990 | 3-D4A | EF-327103 | 3-F4A | EO-332116 | 4-L101 | ER-383007J | 12-R41 |
| ED-348990 | 3-D5A | EF-341260 | 1-35 | EO-332116 | 5-L301A | ER-383007J | 12-R42 |

MC-Service

| Part No. | Ref. No. | Part No. | Ref. No. | Part No. | Ref. No. | Part No. | Ref. No. |
|------------|----------|------------|----------|-------------|----------|----------|----------|
| ER-383007J | 12-R43 | ET-354371 | 21-TR11 | EV-387949J | 1-90 | | |
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| ES-355407 | 1-52 | ET-354897 | 1-65 | EW-363658 | 22-3A | | |
| ES-355407 | 7-SW1 | ET-354897 | 12-TR1 | EW-363671 | 1-93 | | |
| ES-378941J | 1-53 | ET-354897 | 13-TR1 | EW-363671 | 22-3B | | |
| ES-378941J | 20-SW3 | ET-354897 | 14-TR101 | EW-363683 | 1-91 | | |
| ES-379984J | 1-56 | ET-354897 | 17-TR101 | EW-363683 | 22-3C | | |
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| ES-379986J | 1-58 | ET-356336 | 21-TR12 | EZ-250356 | 22-7 | | |
| ES-379986J | 18-SW301 | ET-357162 | 1-64 | EZ-345459 | 22-16 | | |
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| ES-379987J | 18-SW302 | ET-357162 | 14-TR102 | SA-384387J | 22-33B | | |
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| ET-354370 | 21-TR6 | EV-346380 | 15-VR201 | | | | |
| ET-354370 | 21-TR16 | EV-347942 | 17-VR201 | | | | |
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ABBREVIATIONS (AMPLIFIER)

| ABBREVIATIONS | EXPLANATION |
|---------------|-----------------------------|
| A | Analog |
| AC | Alternating Current |
| AMP | AMPLifier |
| CD | Compact Disc |
| COM | COMMon |
| D | Digital |
| D/A | Digital to Analog |
| DAC | Digital to Analog Converter |
| DAT | Digital Audio Tape recorder |
| DC | Direct Current |
| GND | GrouND |
| L | Left |
| LED | Light Emitting Diode |
| MC | Moving Coil |
| MM | Moving Magnet |
| PCB | Printed Circuit Board |
| R | Right |
| REG. | REGulator |
| REC | RECORD |
| TR | TRansistor |
| SW | SWitch |
| V.AMP | Voltage AMPLifier |
| V.DISC | Video DISC |
| VR | Variable Resistance |
| VTR | Video Tape Recorder |

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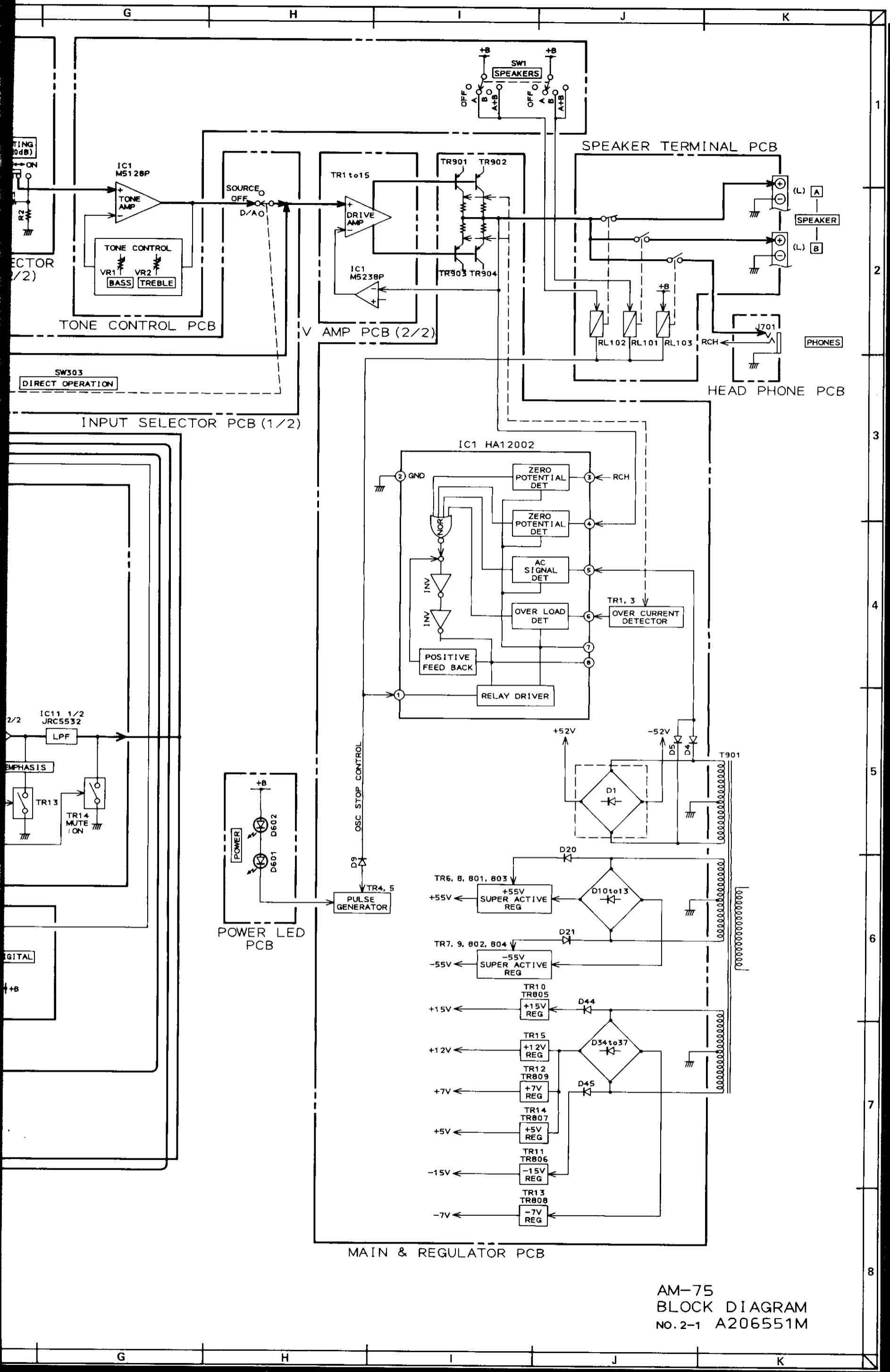
AKAI

MODEL **AM-75,95**

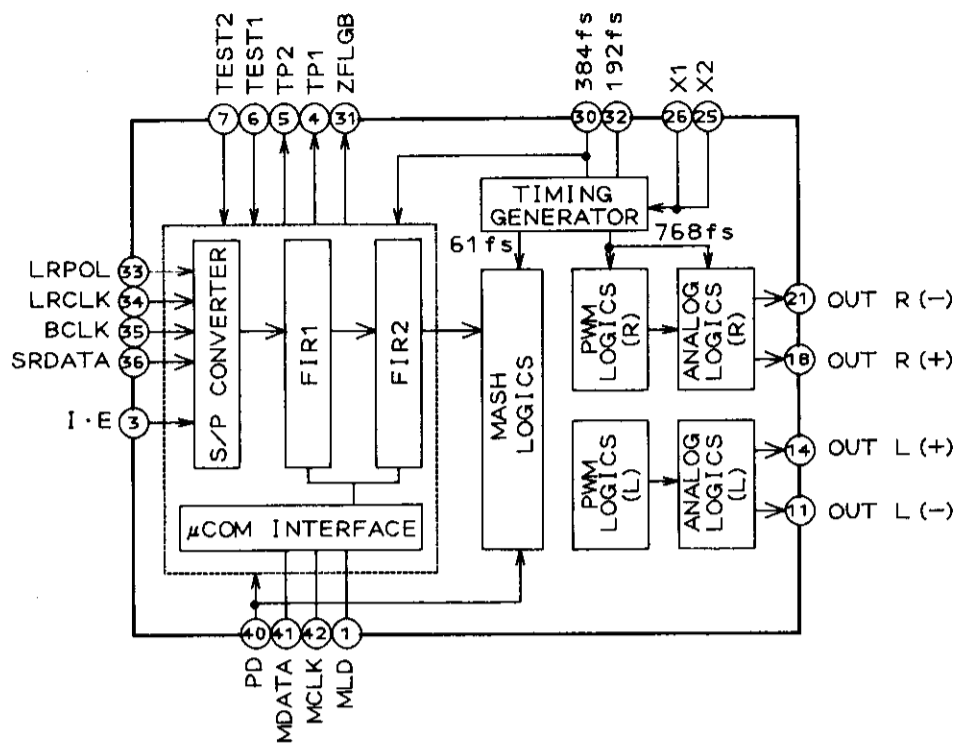
SCHEMATIC DIAGRAMS AND PC BOARDS

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AM-75
BLOCK DIAGRAM
NO. 2-1 A206551M



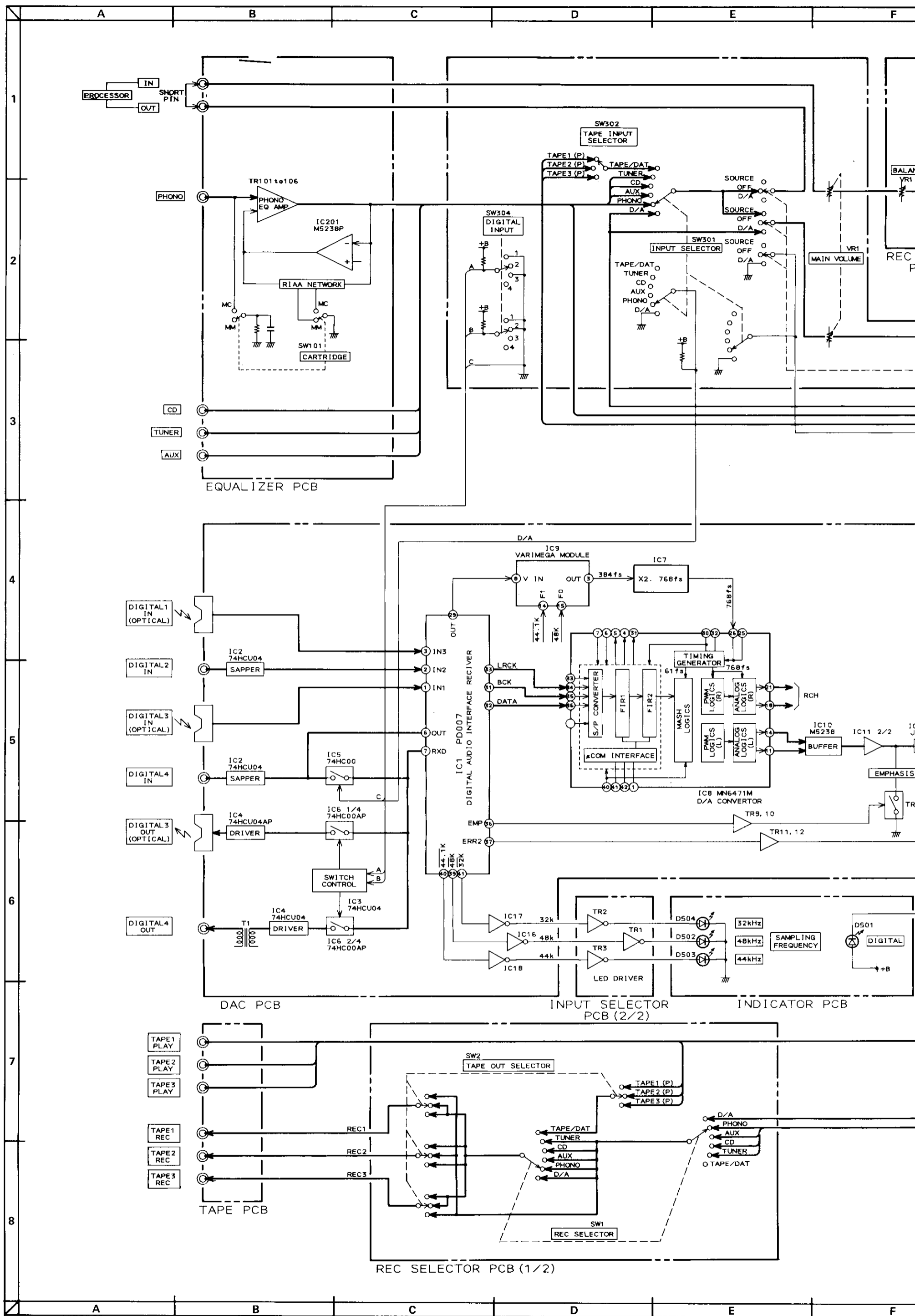
| PIN NO. | SYMBOL | DESCRIPTION |
|---------|-----------|---|
| 1 | MLD | μ-COM Command Load input. |
| 2 | RSTB | Reset (L : Active) |
| 3 | IE | L : Signal process I.SI format. H : I ² S format |
| 4 | TP 1 | Digital filter test output 1. |
| 5 | TP 2 | Digital filter test output 2. |
| 6 | TEST 1 | Digital filter test signal input 1 (L : Normal) |
| 7 | TEST 2 | Digital filter test signal input 2 (L : Normal) |
| 8 | NC | |
| 9 | NC | |
| 10 | A. VDD 4 | Power supply for analog 4 (+5 V) |
| 11 | OUT L (-) | L ch PWM output (-) |
| 12 | A. VSS 4 | Ground for analog 4 |
| 13 | A. VSS 3 | Ground for analog 3 |
| 14 | OUT L (+) | L ch PWM output (+) |
| 15 | A. VDD 3 | Power supply for analog 3 (+5 V) |
| 16 | NC | |
| 17 | A. VDD 2 | Power supply for analog 2 (+5 V) |
| 18 | OUT R (+) | R ch PWM output (+) |
| 19 | A. VSS 2 | Ground for analog 2 |
| 20 | A. VSS 1 | Ground for analog 1 |
| 21 | OUT R (-) | R ch PWM out put (-) |
| 22 | A. VDD 1 | Power supply for analog 1 (+5 V) |
| 23 | D. VDD 1 | Power supply for digital 1 (+5 V) (For O.S.C) |
| 24 | D. VSS 1 | Ground for digital 1 (For O.S.C) |
| 25 | × 2 | X'tal OSC |
| 26 | × 1 | X'tal OSC (External clock input) |
| 27 | NC | |
| 28 | D. VDD2 | Power supply for digital 2 (+5V) |
| 29 | D. VSS2 | Ground for digital 2 |
| 30 | RSUB | Connect to D-VDD |
| 31 | ZFLGB | Zero - input detector output |
| 32 | 192FS | 192FS (=8.4672 MHz) output |
| 33 | LRPOL | L, R clock switching (H : L ch, L : R ch) |
| 34 | LRCLK | L, R clock input |
| 35 | BCLK | Serial input bit clock |
| 36 | SRDATA | Serial input digital data input |
| 37 | D. VSS 3 | Ground for digital 3 |
| 38 | D. VDD | Powersupply for digital (+5V) |
| 39 | 384FS | 384FS (=16.9344 MHz) output |
| 40 | PD | Power down (H : Active) |
| 41 | M DATA | μ - COM command data input |
| 42 | MCLK | μ - COM command clock input |

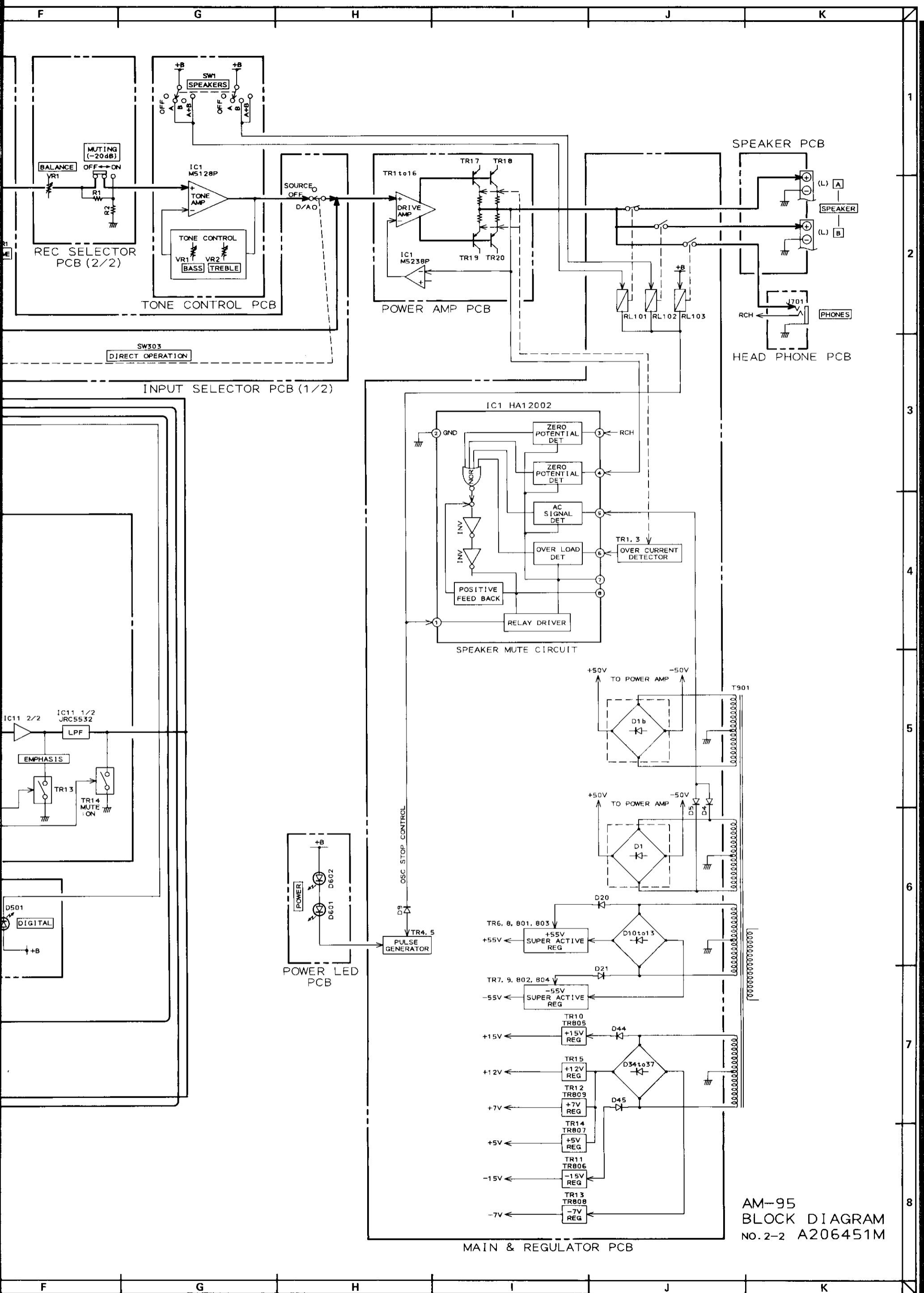
| PIN NO | SYMBOL | I/O | |
|--------|----------|-----|---------------------|
| 1 | IN1 | I | Data Input |
| 2 | IN2 | I | Data Input |
| 3 | IN3 | I | Data Input |
| 4 | S1 | I | Input Select |
| 5 | S2 | I | Input Select |
| 6 | OUT | O | MPX Data out |
| 7 | RXD | I | Data Input |
| 8 | TEST | I | TEST MODE Inp |
| 9 | CNTR | I | Counter Clock Inp |
| 10 | 2 INH | I | VCO "2" ON/OFF |
| 11 | VSS | - | -B(OV) |
| 12 | RESET | I | Power "ON" Rese |
| 13 | PCVS | I | VCO "1" "2" Inpu |
| 14 | PC1 OUT | O | Phsase comparato |
| 15 | RI | - | External resistor C |
| 16 | VCO1 IN | I | Control Voltage In |
| 17 | VDD1 | - | +B(5V) |
| 18 | VCO1 out | O | NC |
| 19 | VSS1 | | GND for vco Circ |
| 20 | C1A | - | External Capacite |

Interface Receiver)

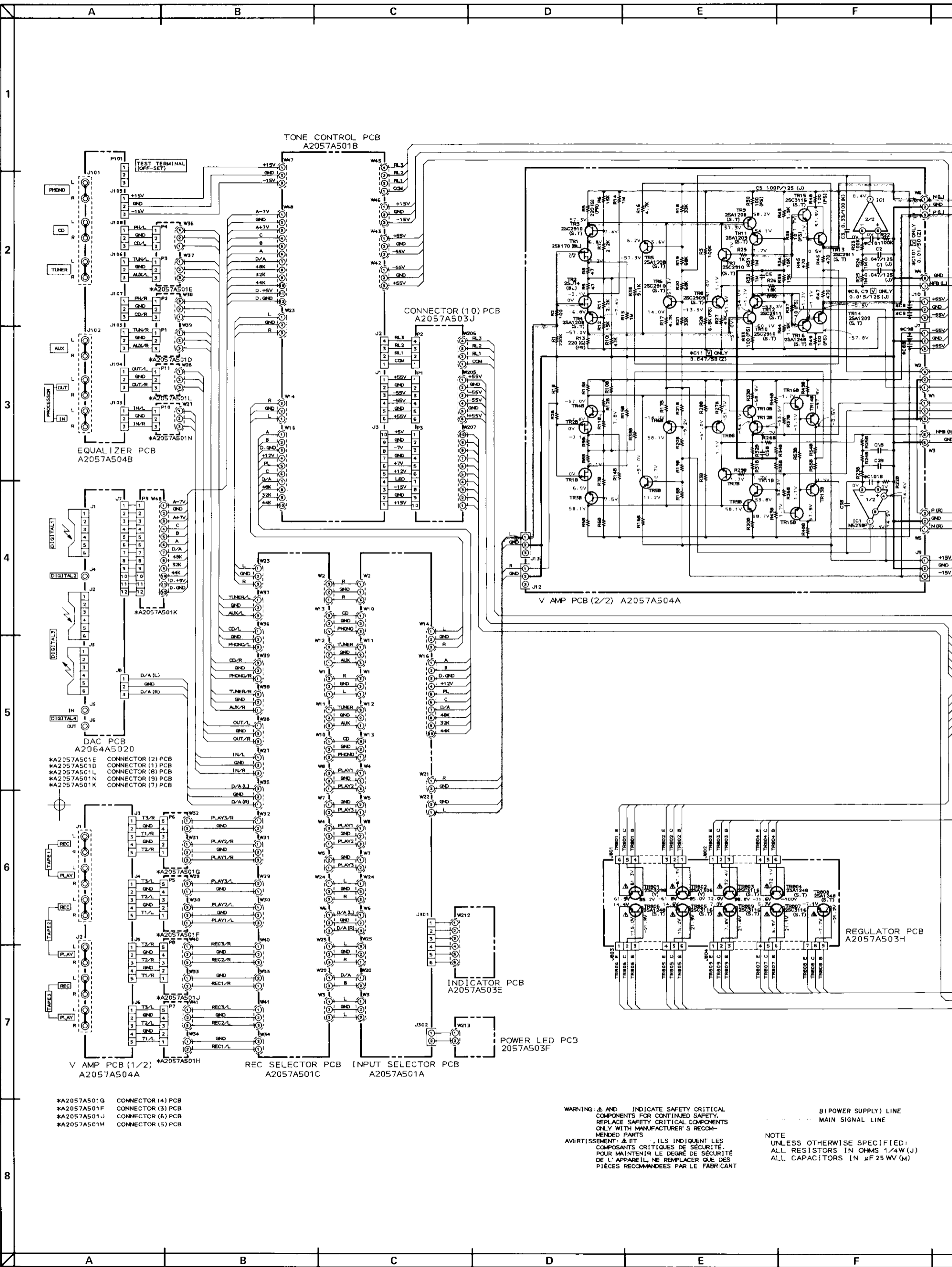
| FUNCTION |
|--|
| Data Input |
| Data Input |
| Data Input |
| Input Select |
| Input Select |
| MPX Data out |
| Data Input |
| TEST MODE Input |
| Counter Clock Input |
| VCO "2" ON/OFF Control. H=OFF |
| -B (OV) |
| Power "ON" Reset Input |
| VCO "1" "2" Input |
| Phase comparator "1" output |
| External resistor Connection Terminal for VCO (1) |
| Control Voltage Input |
| +B(5V) |
| NC |
| GND for vco Circuit |
| External Capacitor Connection Terminal for VCO (1) |

| | | | |
|----|----------|----|--|
| 21 | C1B | - | External Capacitor Connection Terminal for VCO (1) |
| 22 | C2B | - | External Capacitor Connection Terminal for VCO (2) |
| 23 | C2A | - | External Capacitor Connection Terminal for VCO (2) |
| 24 | VSS2 | -- | -B (OV) |
| 25 | VCO2 OUT | O | VCO Output (384fs) |
| 26 | VDD | - | +B (+5V) |
| 27 | VCO 2 IN | I | Control voltage Input |
| 28 | R2 | - | External Resistor Connection Terminal for VCO (2) |
| 29 | PC 2 OUT | O | Phase comparator "2" Output |
| 30 | SIG 2 | I | Phase comparator "2" Input |
| 31 | BCK | O | BCK Output |
| 32 | DATA | O | Audio Data Output |
| 33 | LRCK | O | Data Output (H=Lch, L=Rch) |
| 34 | WCK | O | Data word clock Output |
| 35 | COPY | O | Copy data Output |
| 36 | EMPH | O | H: EMPHASIS "ON" |
| 37 | ERR 2 | O | H: UNLOCK "ON" |
| 38 | ERR 1 | O | H=Err |
| 39 | 48K | O | Sampling frequency data Output. L=active |
| 40 | 44.1K | O | |
| 41 | 32K | O | |
| 42 | VDD | - | +B (+5V) |





AM-95
BLOCK DIAGRAM
NO. 2-2 A206451M



- *A2057A501E CONNECTOR (2) PCB
- *A2057A501D CONNECTOR (11) PCB
- *A2057A501I CONNECTOR (8) PCB
- *A2057A501N CONNECTOR (9) PCB
- *A2057A501K CONNECTOR (7) PCB

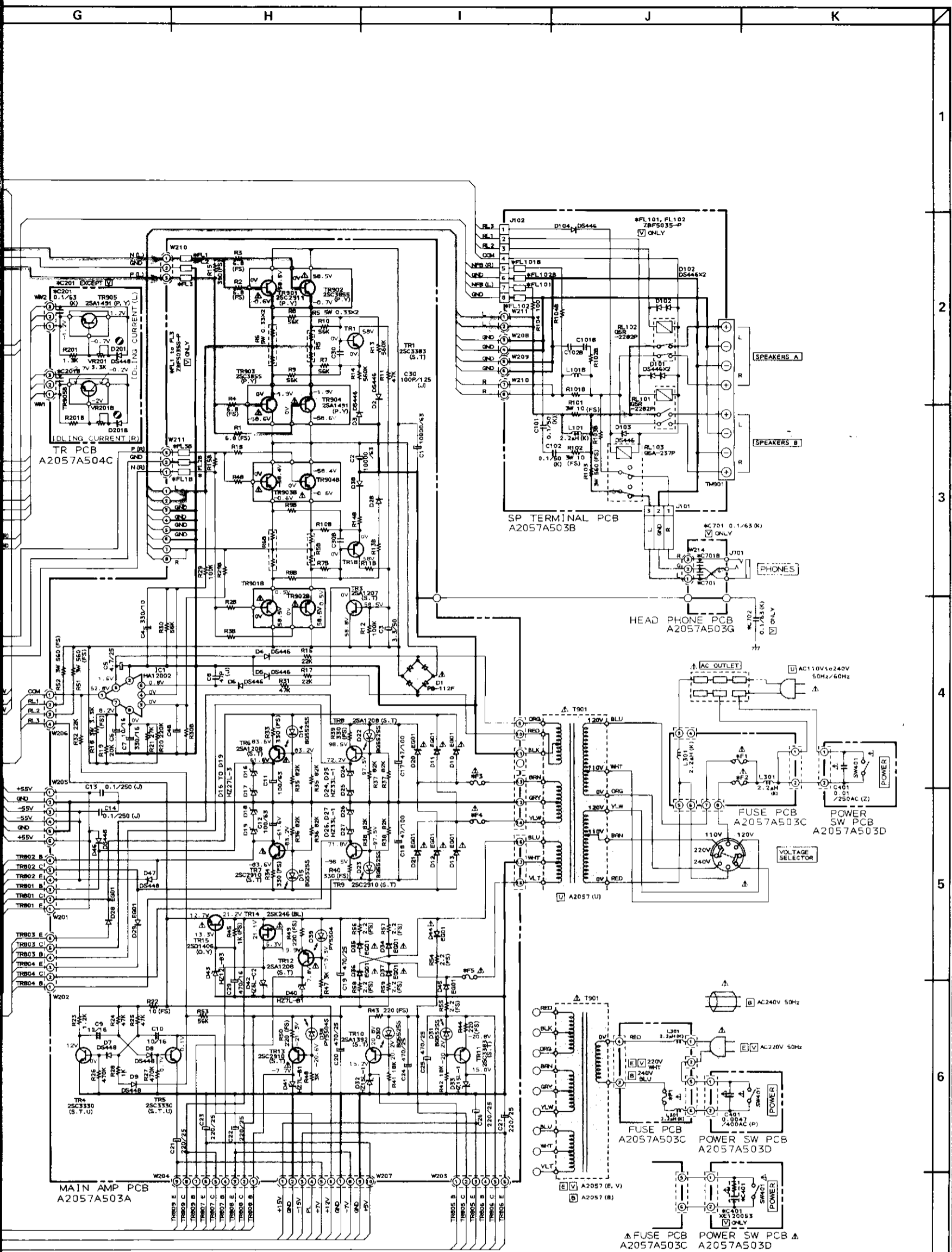
- *A2057A501G CONNECTOR (4) PCB
- *A2057A501F CONNECTOR (3) PCB
- *A2057A501J CONNECTOR (6) PCB
- *A2057A501H CONNECTOR (5) PCB

WARNING: Δ AND ∇ INDICATE SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

AVERTISSEMENT: Δ ET ∇ ILS INDICENT LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

B (POWER SUPPLY) LINE
MAIN SIGNAL LINE

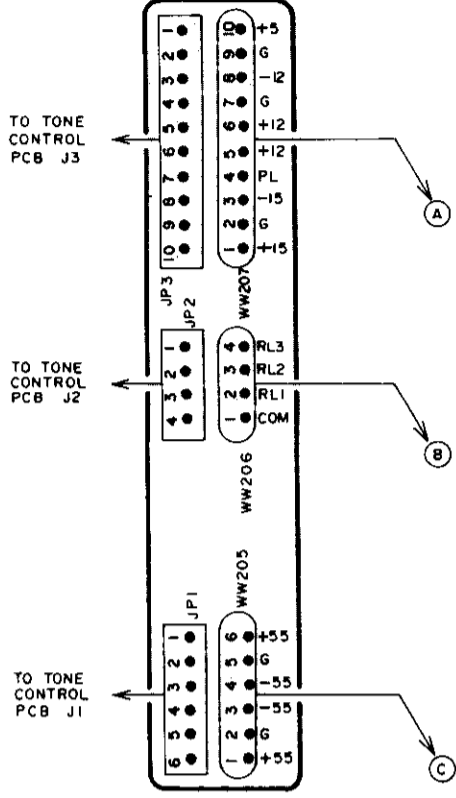
NOTE
UNLESS OTHERWISE SPECIFIED:
ALL RESISTORS IN OHMS 1/4W(J)
ALL CAPACITORS IN μF 25V(M)



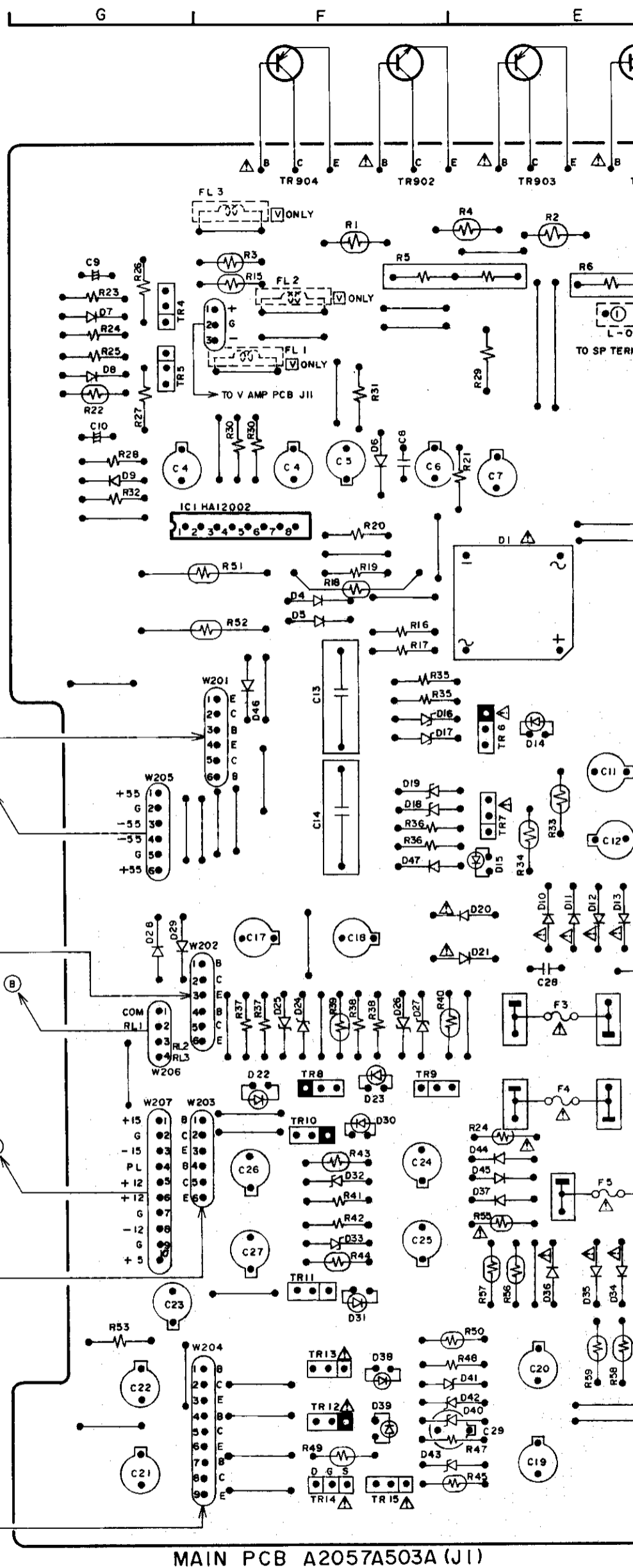
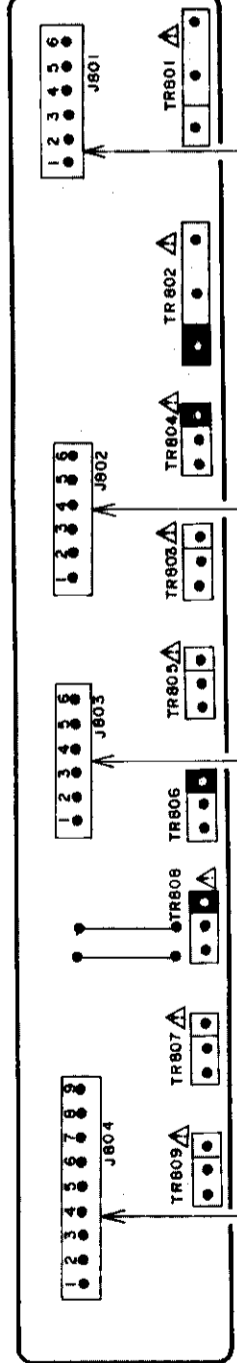
| | F1 | F2 | F3, F4 | F5 |
|-------------|----------|---------|------------|------------|
| [E] [V] [B] | T4A 250V | | T1A 250V | T1A 250V |
| [U] | 4A 250V | 4A 250V | 500mA 250V | 800mA 250V |

AM-75
 CONNECTION DIAGRAM
 NO. 7-1 A206501M

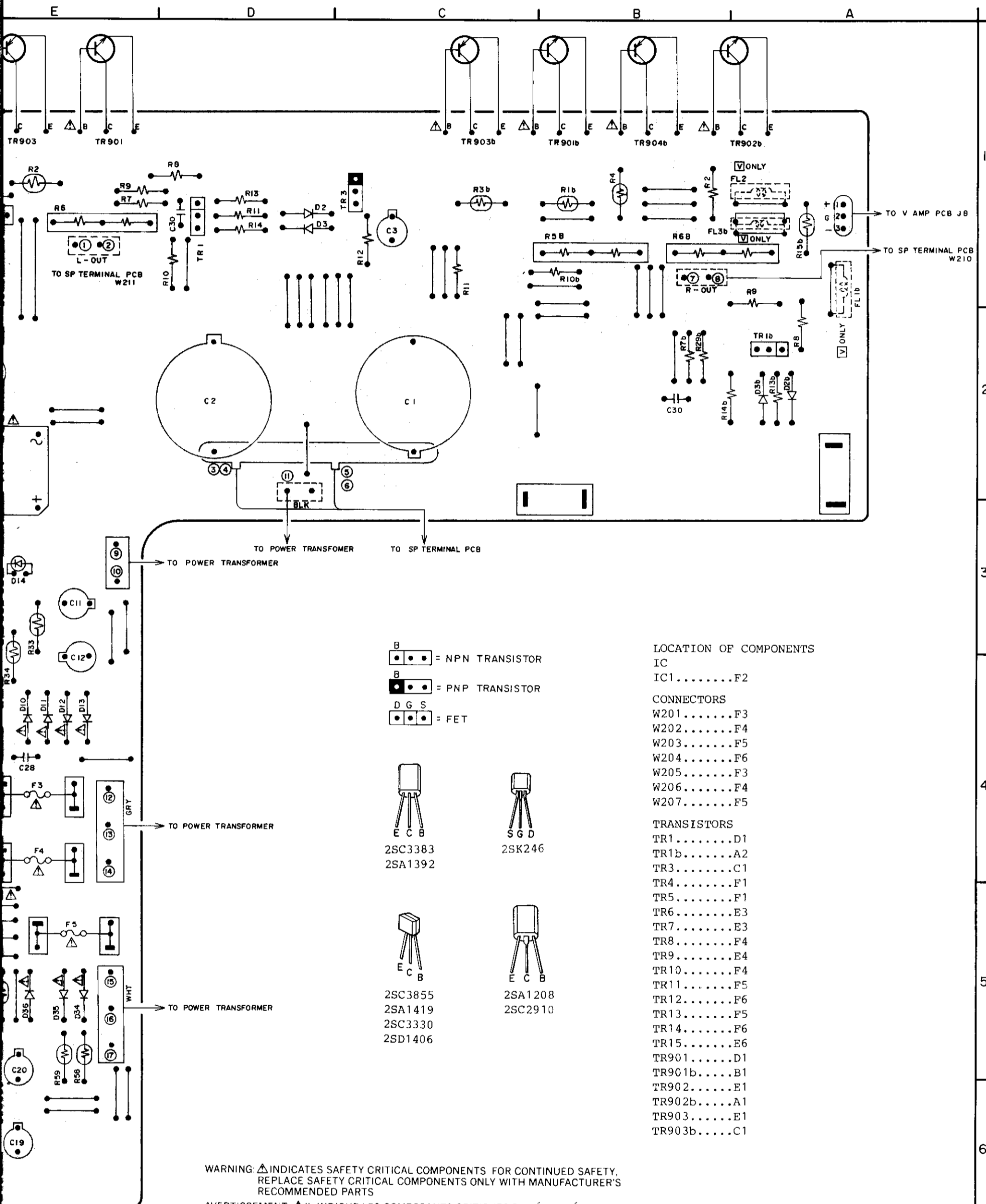
CONNECTOR PCB (10)
A2057A503J



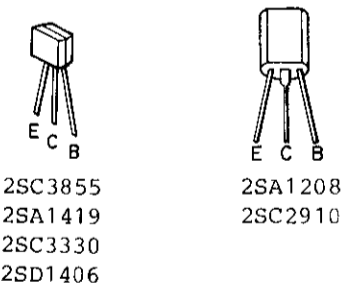
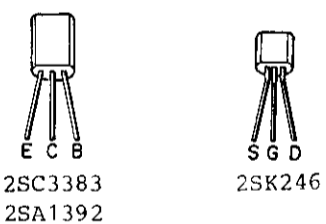
REGULATOR PCB
A2057A503H



MAIN PCB A2057A503A (J1)



B = NPN TRANSISTOR
 B = PNP TRANSISTOR
 D G S = FET



LOCATION OF COMPONENTS

IC
IC1.....F2

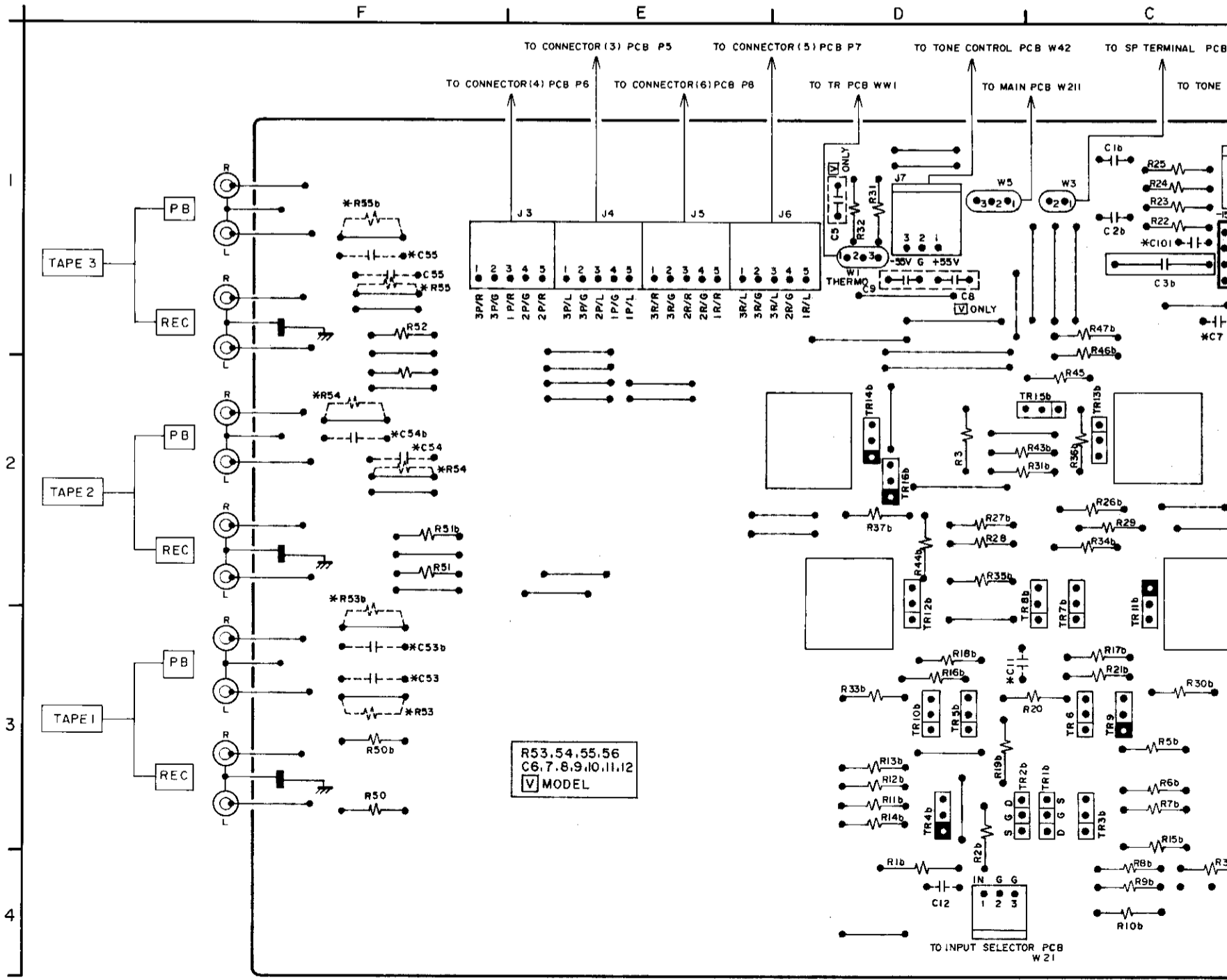
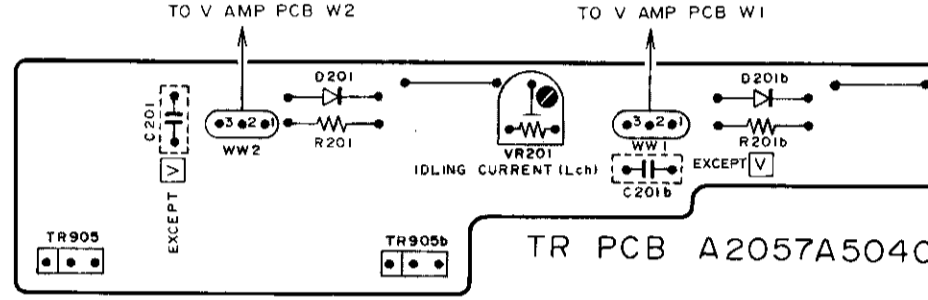
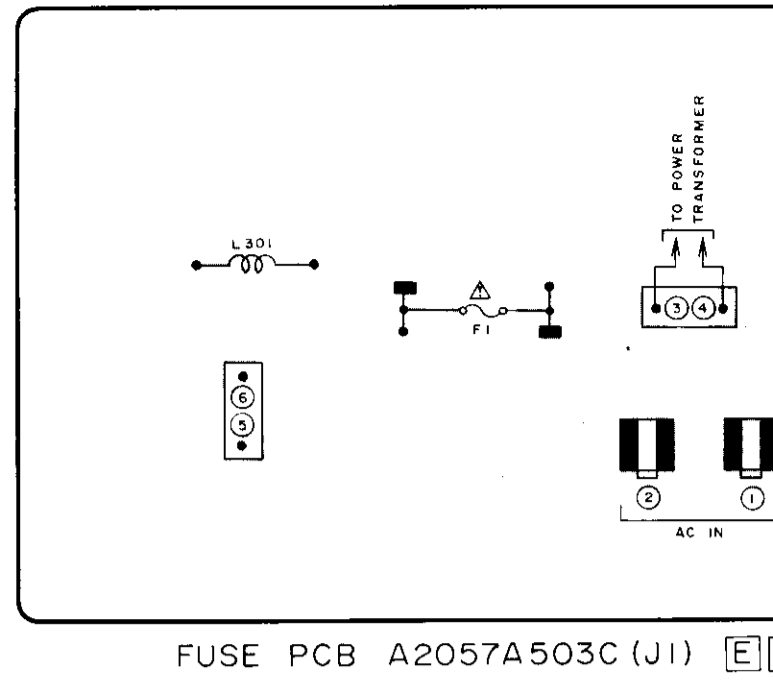
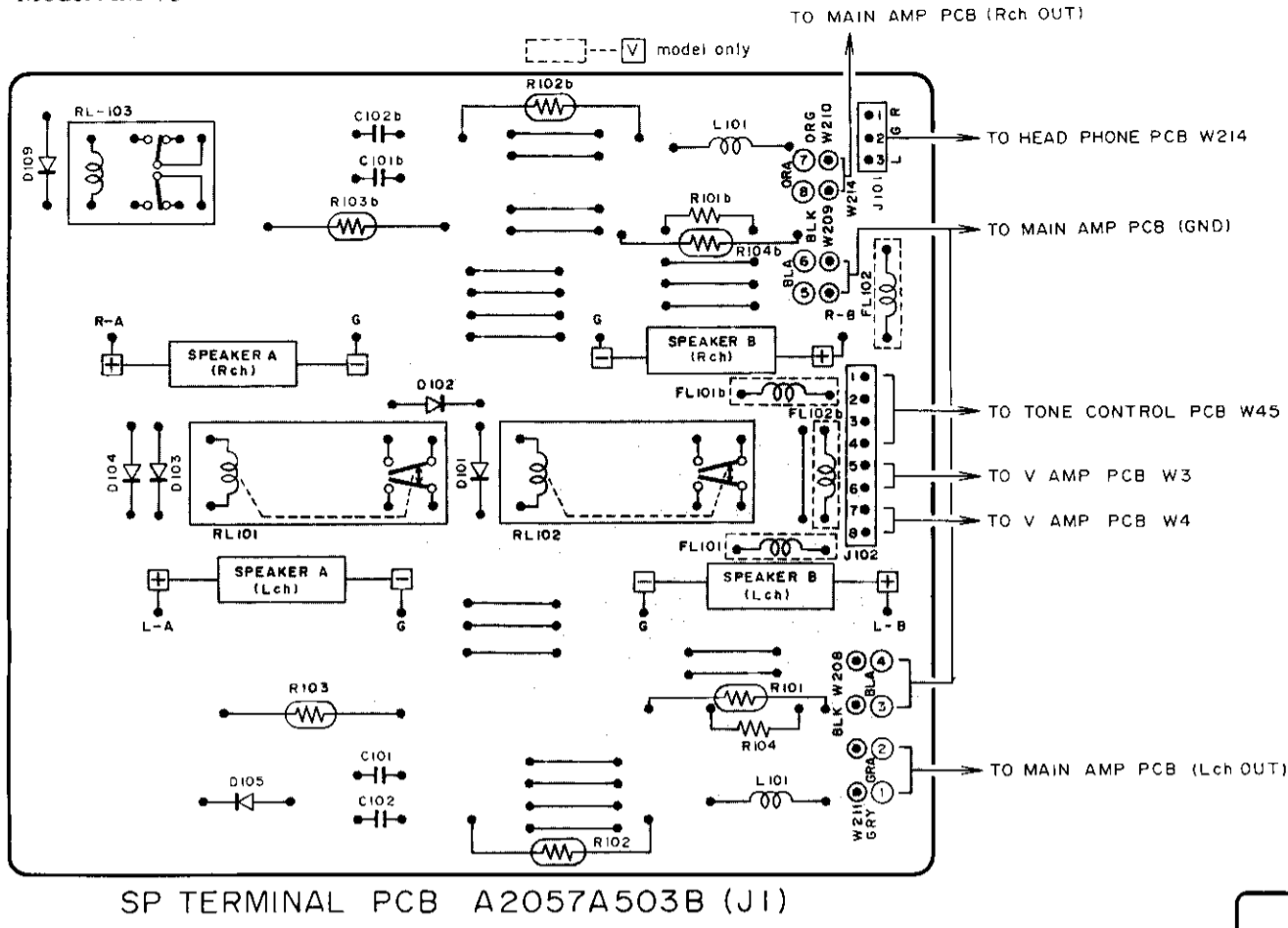
CONNECTORS

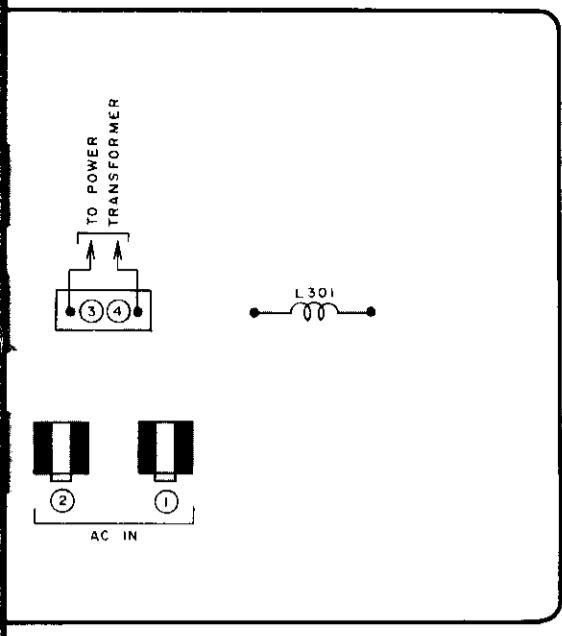
W201.....F3
 W202.....F4
 W203.....F5
 W204.....F6
 W205.....F3
 W206.....F4
 W207.....F5

TRANSISTORS

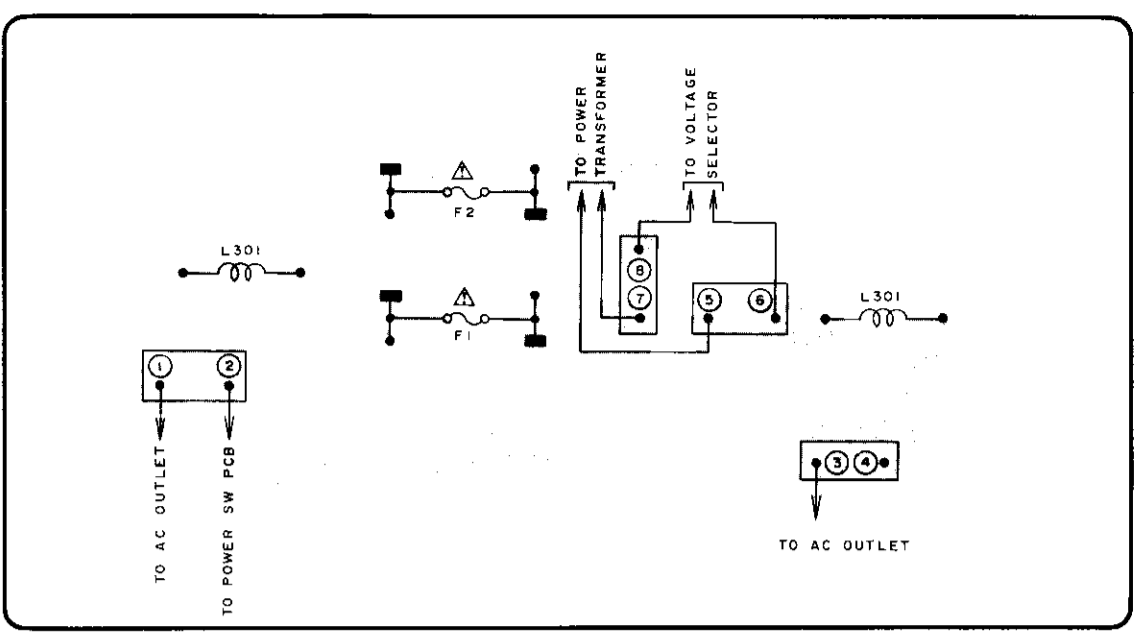
TR1.....D1
 TR1b.....A2
 TR3.....C1
 TR4.....F1
 TR5.....F1
 TR6.....E3
 TR7.....E3
 TR8.....F4
 TR9.....E4
 TR10.....F4
 TR11.....F5
 TR12.....F6
 TR13.....F5
 TR14.....F6
 TR15.....E6
 TR901.....D1
 TR901b.....B1
 TR902.....E1
 TR902b.....A1
 TR903.....E1
 TR903b.....C1

WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.
 AVERTISSEMENT: Δ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

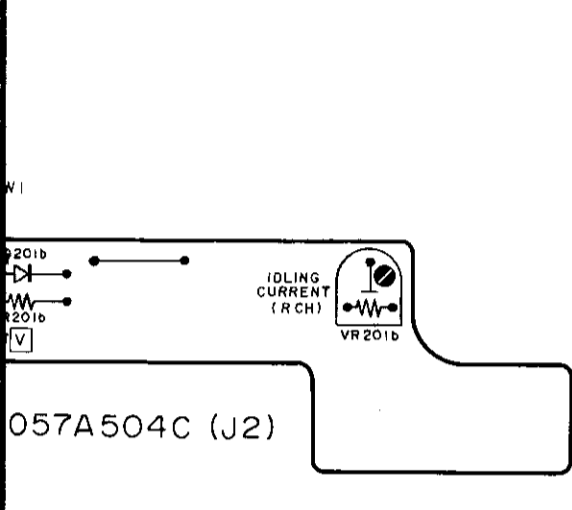




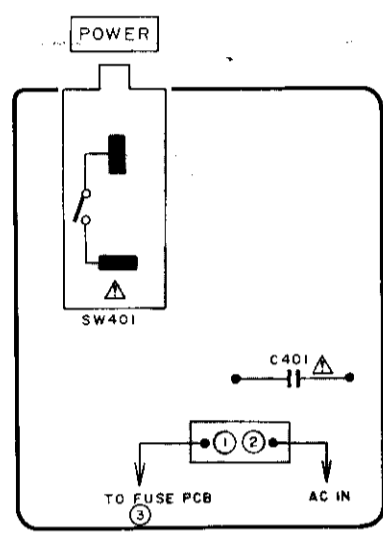
C (J1) E V B MODEL



FUSE PCB A2057A503C (J1) U MODEL

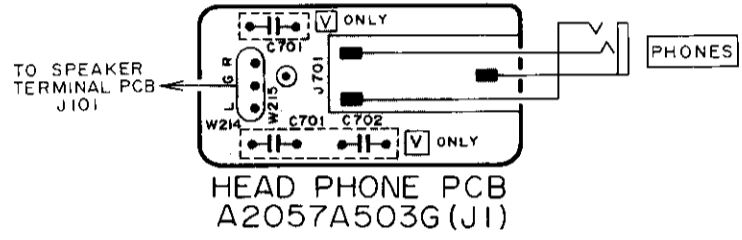


057A504C (J2)

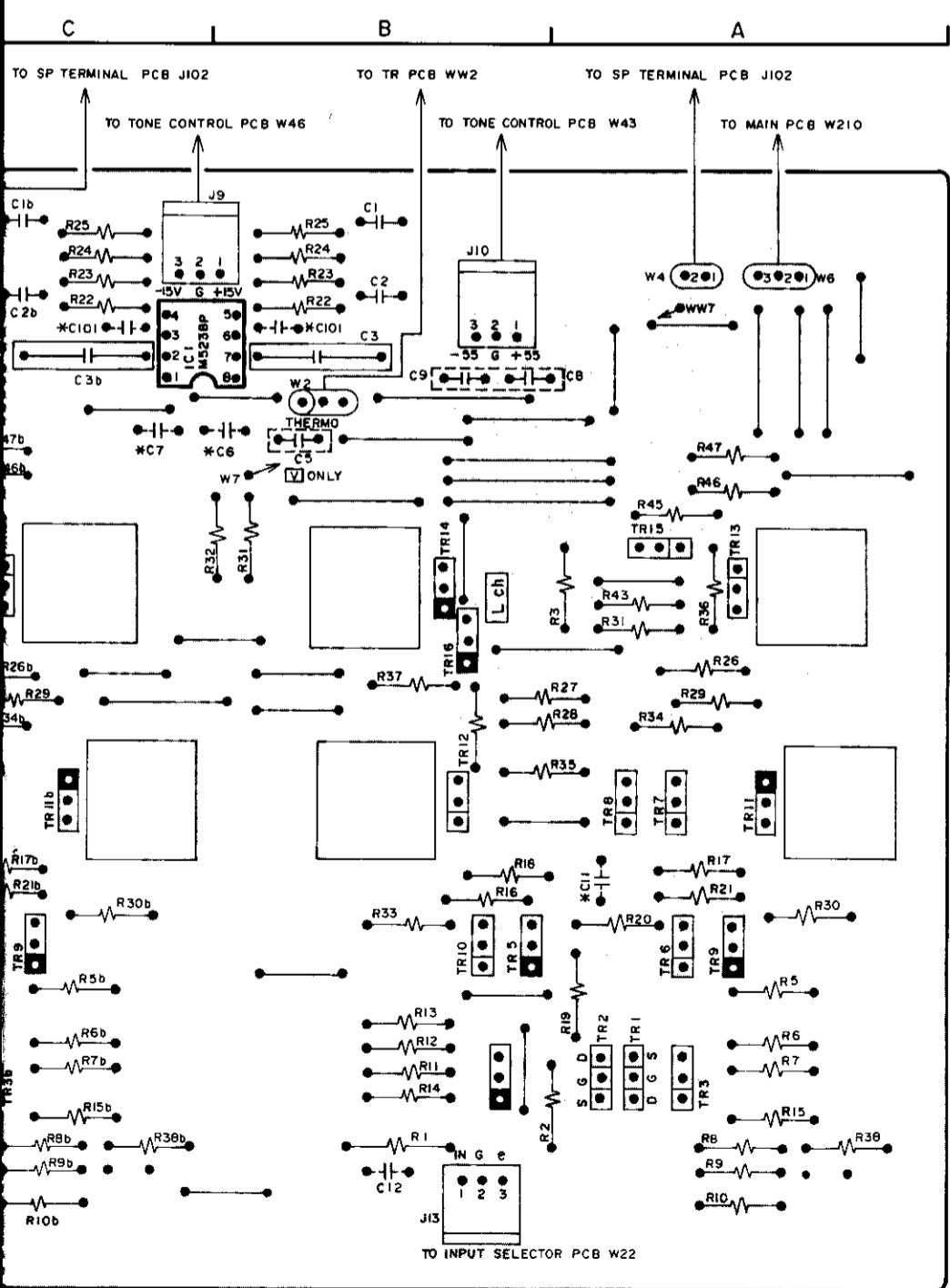


POWER SW PCB A2057A503D (J1)

WARNING: INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS
 AVERTISSEMENT: IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT



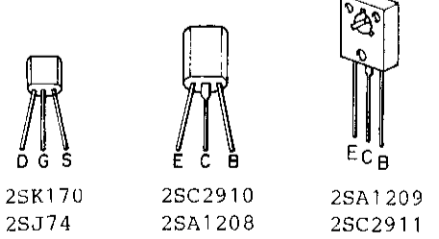
HEAD PHONE PCB A2057A503G (J1)



B A2057A504A (J2)

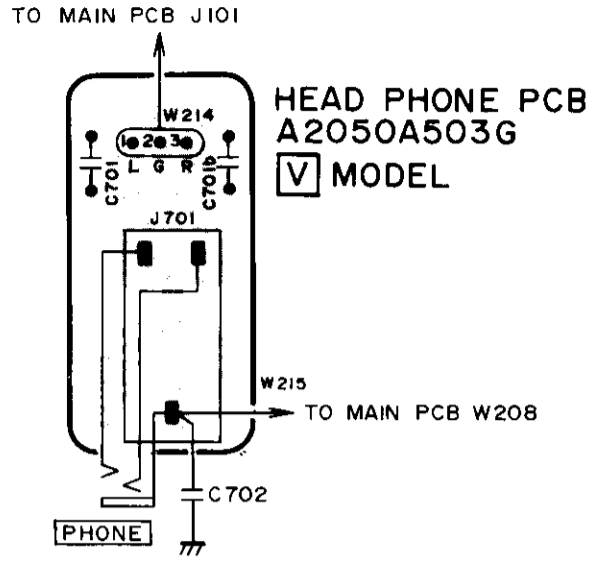
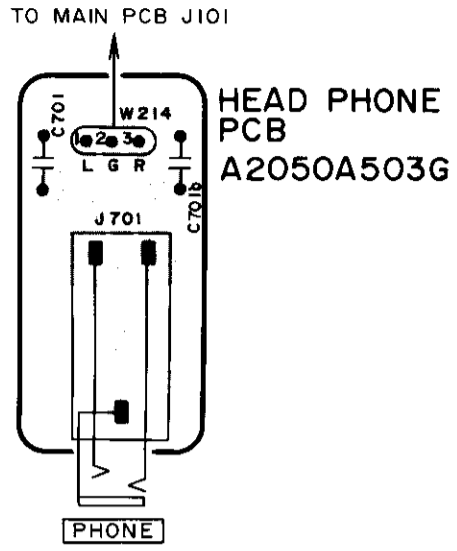
LOCATION OF COMPONENTS

- IC
 IC1.....C1
 CONENCTORS
 J1.....F3
 J2.....F1
 J3.....F1
 J4.....E1
 J5.....E1
 J6.....D1
 J7.....D1
 J9.....C1
 J12.....D4
 J13.....B4
 WIRES
 W1.....D1
 W2.....B1
 W3.....C1
 W4.....A1
 W5.....D1
 W6.....A1
 TRANSISTORS
 TR1.....A3
 TR1b.....C3
 TR2.....A3
 TR2b.....C3
 TR3.....A3
 TR3b.....C3
 TR4.....B3
 TR4b.....D3
 TR5.....B3
 TR5b.....D3
 TR6.....A3
 TR6b.....C3
 TR7.....A3
 TR7b.....C3
 TR8.....A3
 TR8b.....C3
 TR9.....A3
 TR9b.....C3
 TR10.....B3
 TR10b.....D3
 TR11.....A3
 TR11b.....C3
 TR12.....B3
 TR12b.....D3
 TR13.....A2
 TR13b.....C2
 TR14.....B2
 TR14b.....D2
 TR15.....A2
 TR15b.....C2
 TR16.....B2
 TR16b.....D2

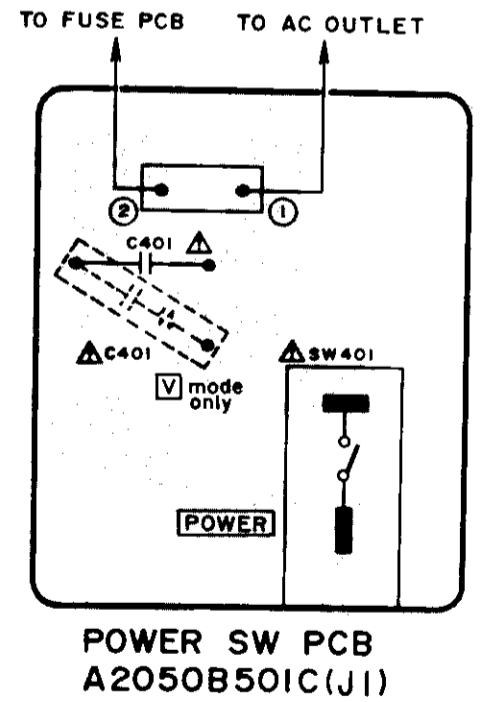
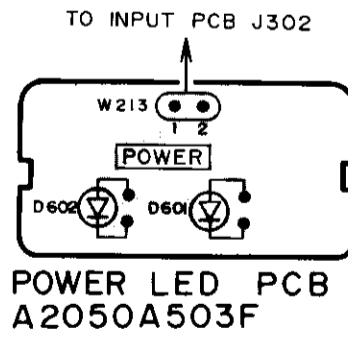
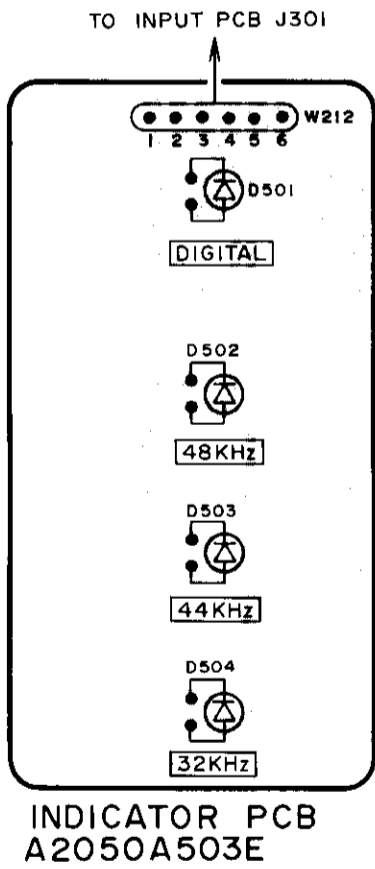
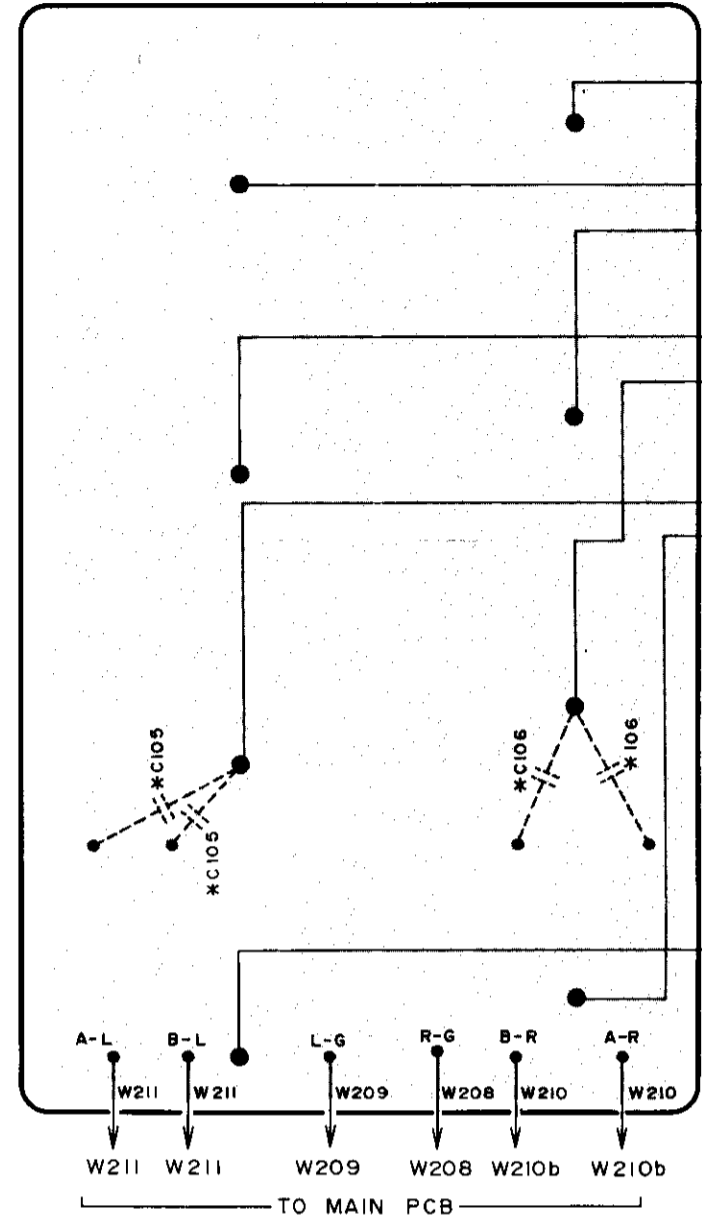


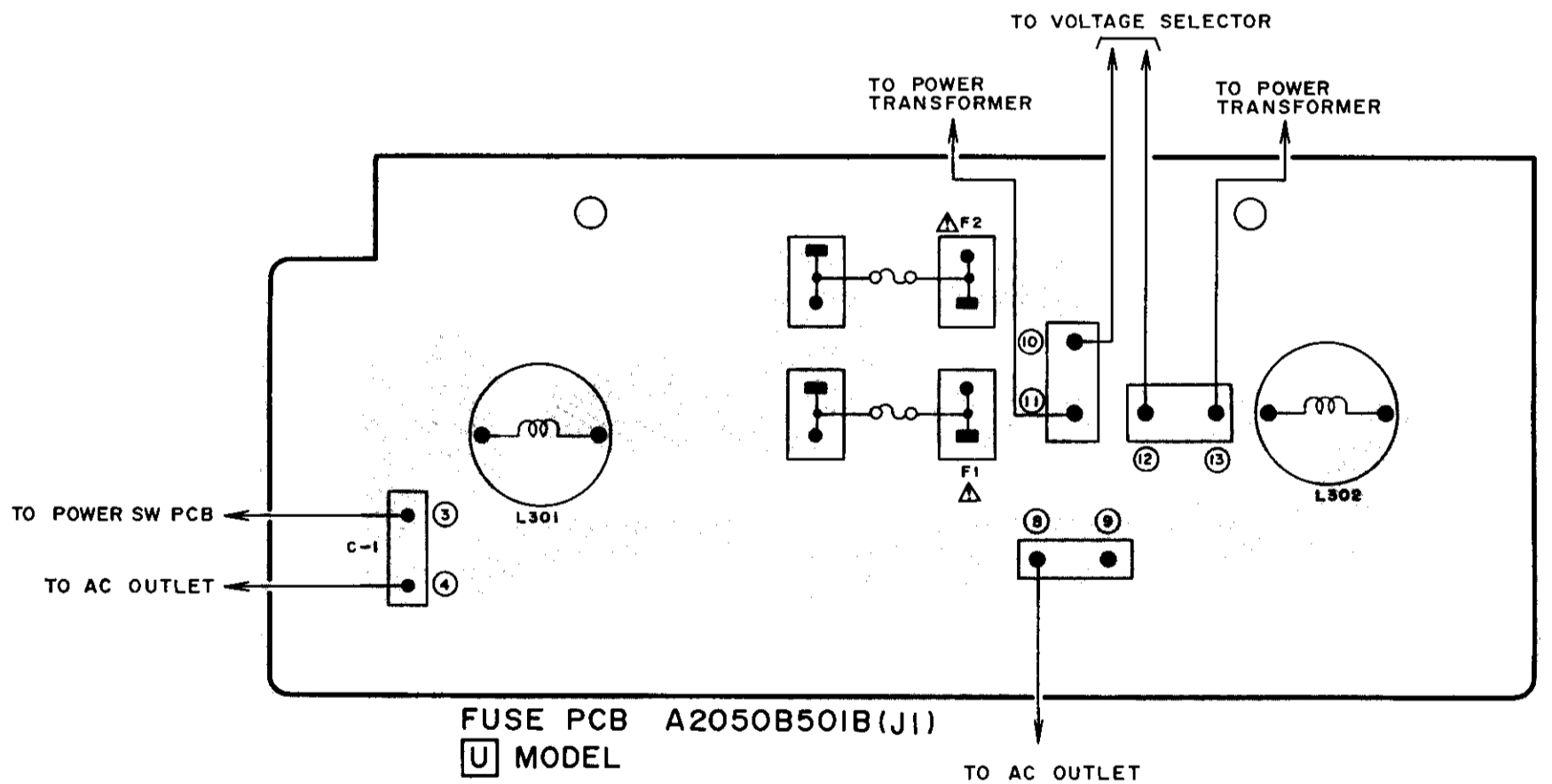
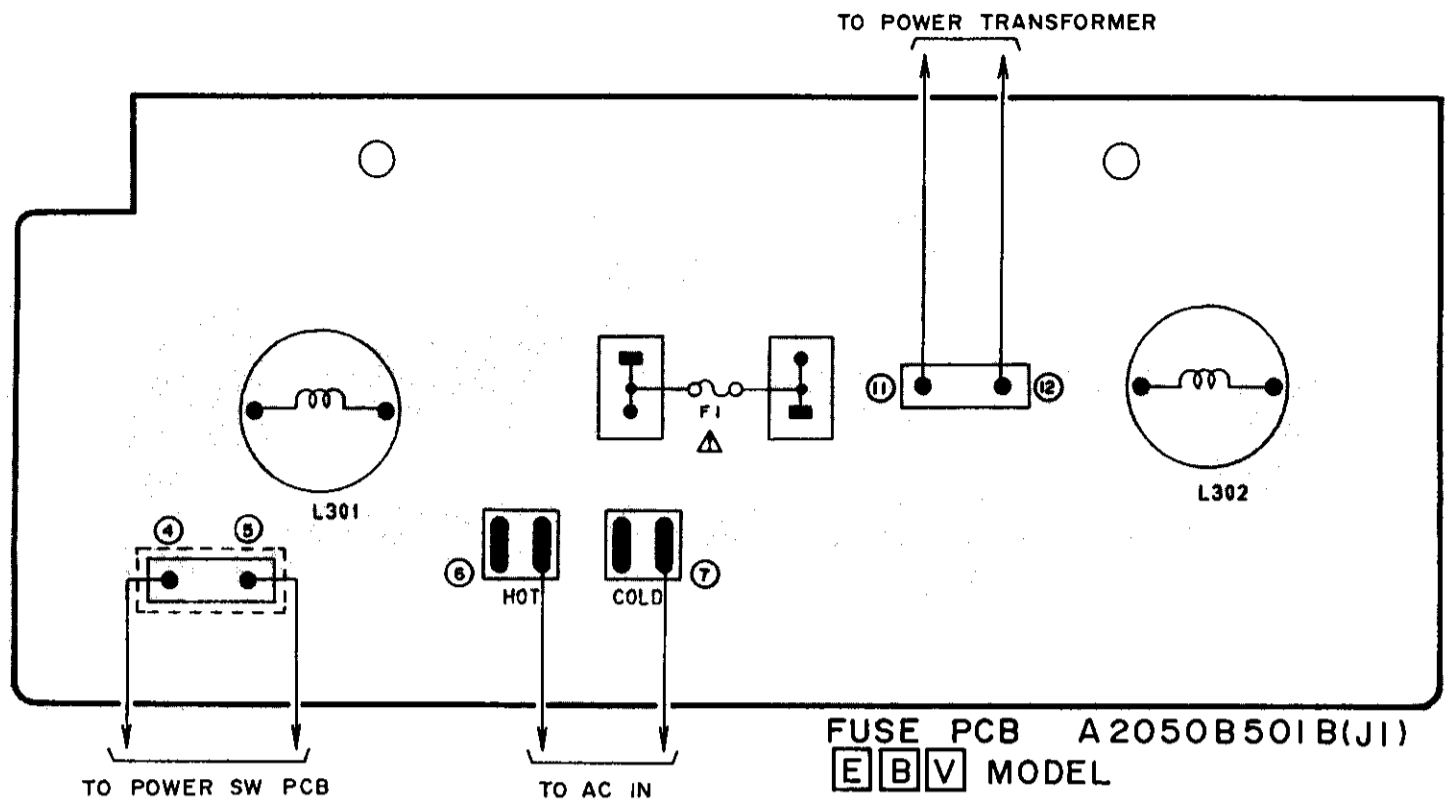
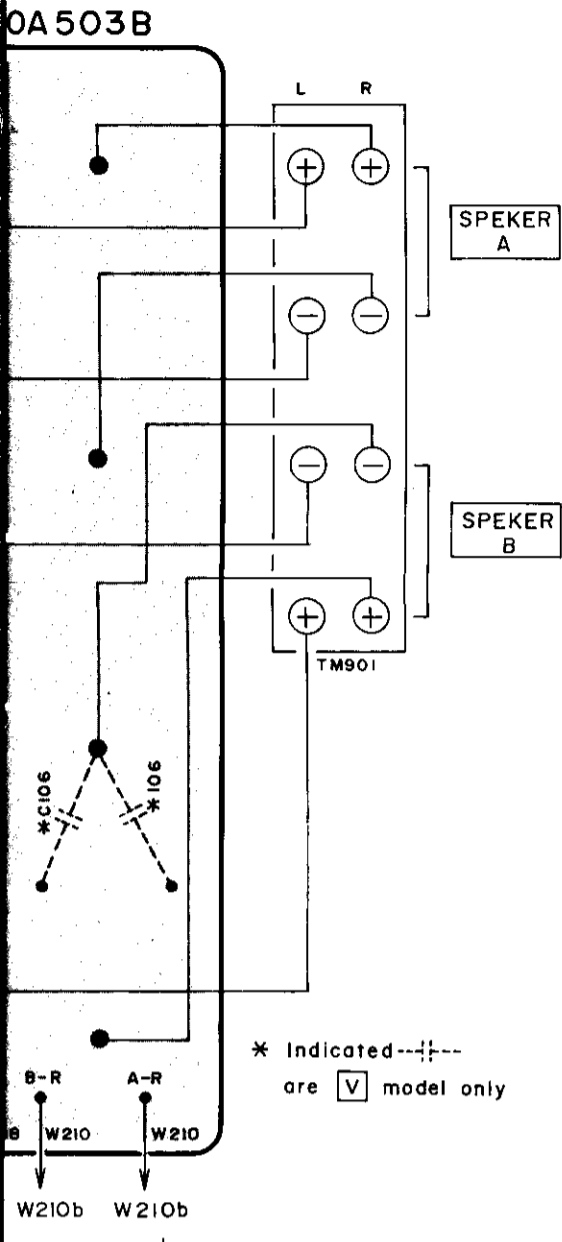
- = NPN TRANSISTOR
 = PNP TRANSISTOR
 = FET

* Indicated are V model only



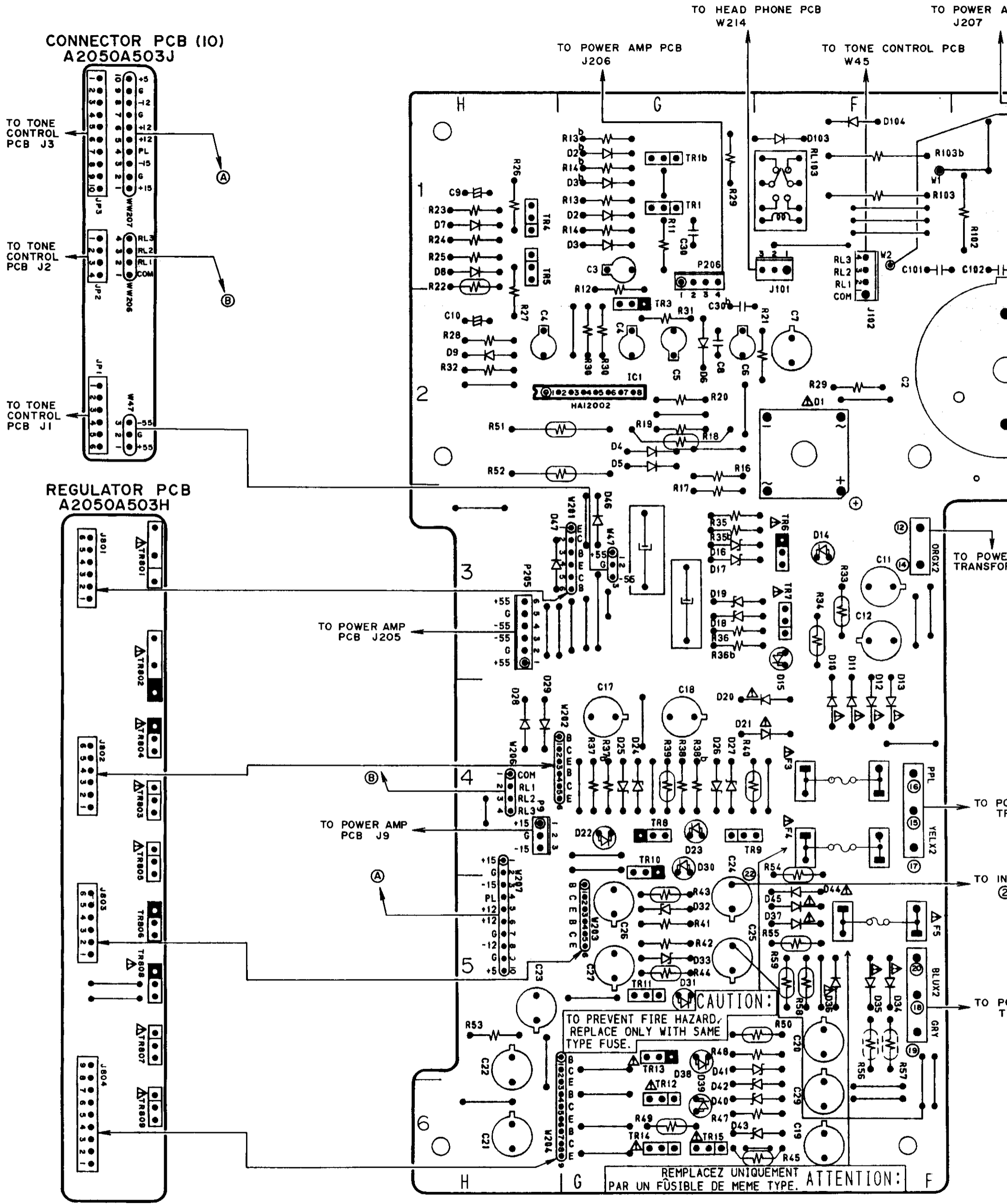
SPEAKER PCB A2050A503B





WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT: Δ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT



CONNECTOR PCB (IO)
A2050A503J

REGULATOR PCB
A2050A503H

TO POWER AMP PCB
J206

TO HEAD PHONE PCB
W214

TO TONE CONTROL PCB
W45

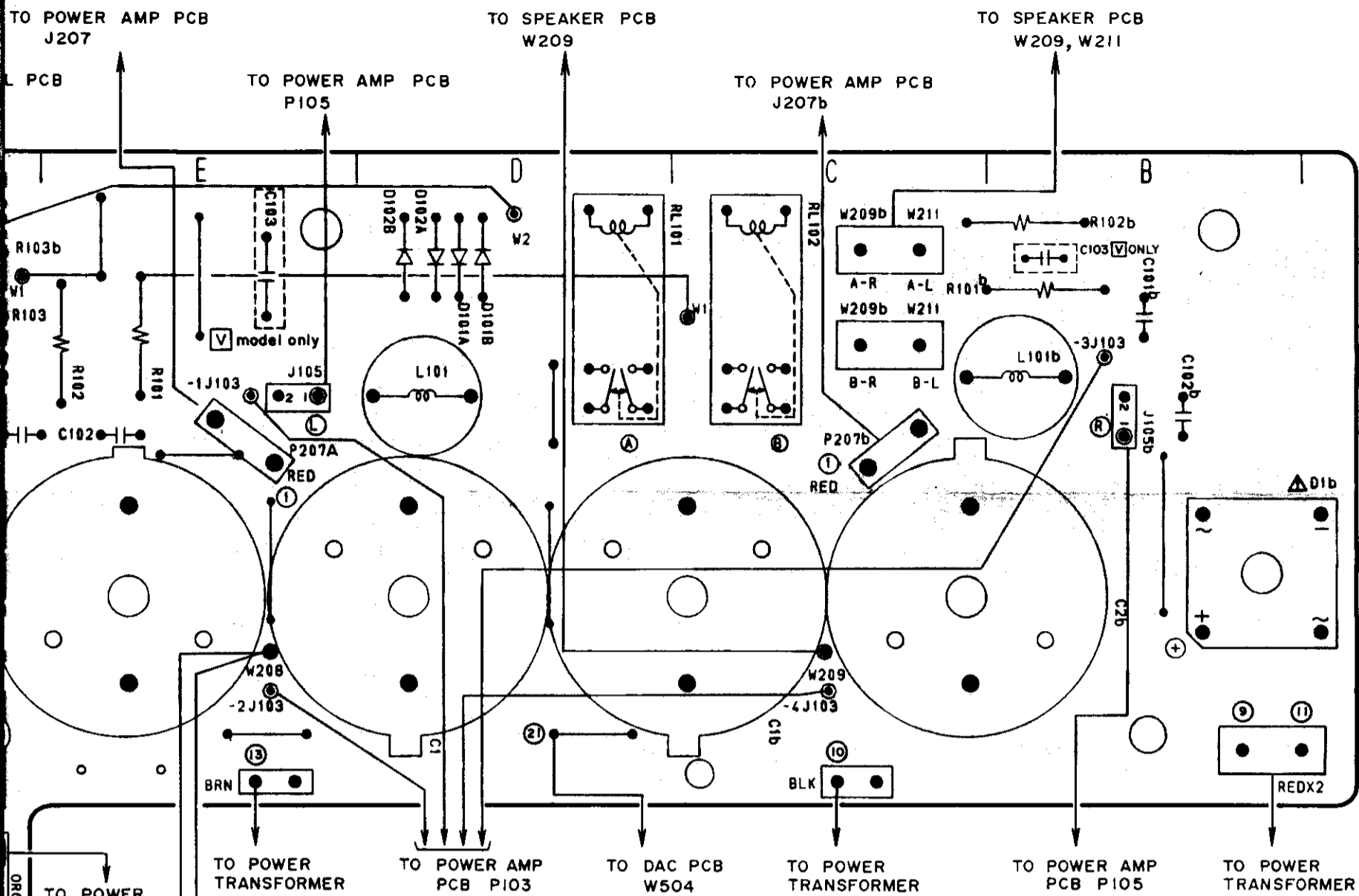
TO POWER AMP PCB
J207

TO POWER AMP PCB
J205

TO POWER AMP PCB
J9

CAUTION:
TO PREVENT FIRE HAZARD,
REPLACE ONLY WITH SAME
TYPE FUSE.

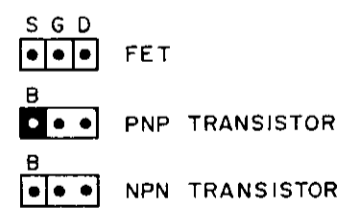
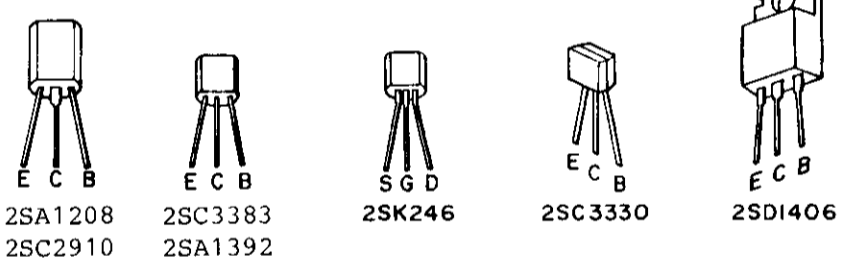
REMPLECEZ UNIQUEMENT
PAR UN FUSIBLE DE MEME TYPE. ATTENTION:



MAIN PCB A2050A503A

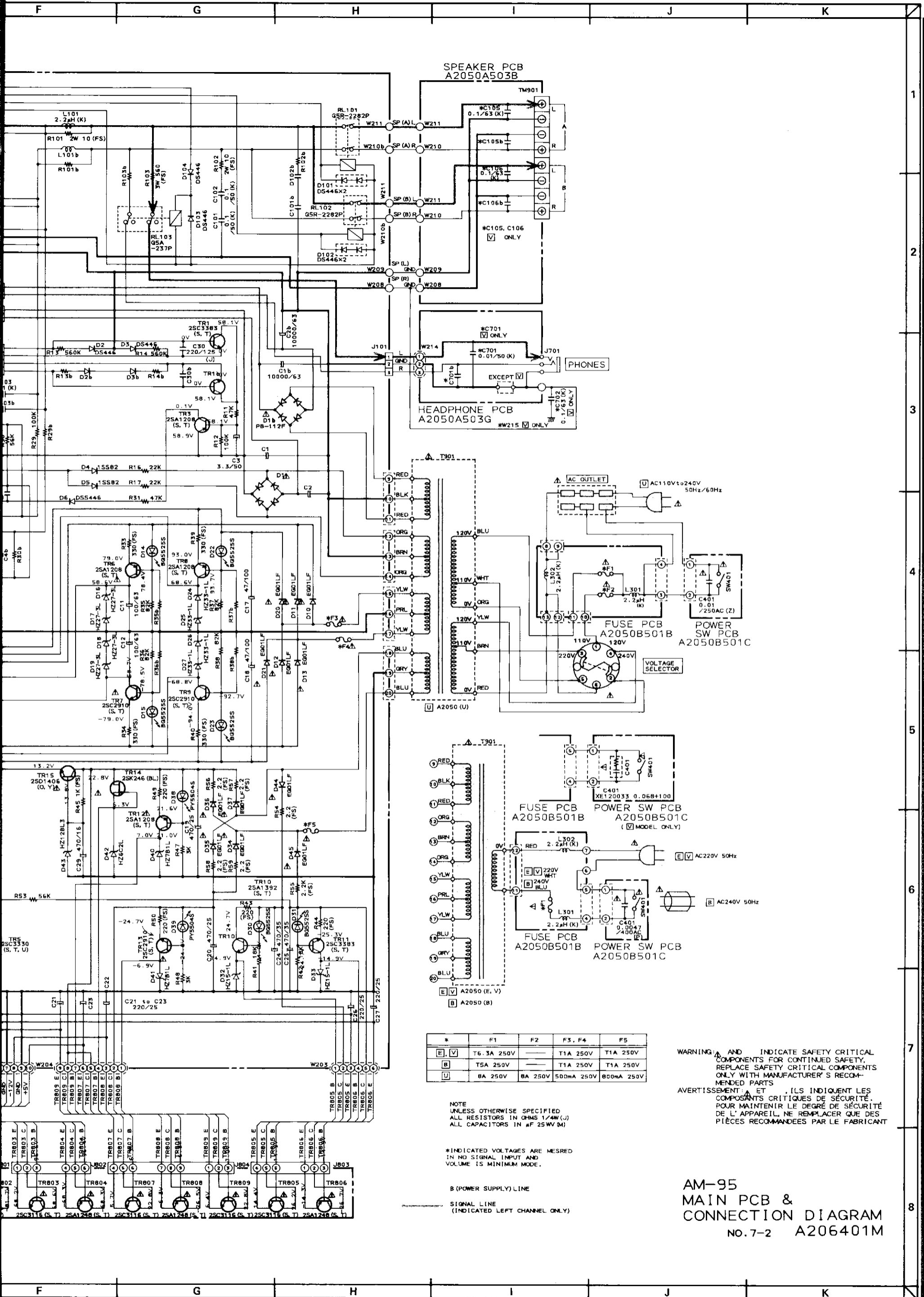
LOCATION OF COMPONENTS

| | |
|---------------|---------------|
| IC | TRANSISTOR |
| IC 1G2 | TR 1G1 |
| | TR 1bG1 |
| CONNECTOR | TR 3G2 |
| J101F1 | TR 4H1 |
| J102F1 | TR 5H1 |
| J105E1 | TR 6F3 |
| J105bB1 | TR 7F3 |
| | TR 8G4 |
| P9H4 | TR 9G4 |
| P205H3 | TR10G4 |
| P206G1 | TR11G5 |
| P207AE1 | TR12G6 |
| P207C1 | TR13G5 |
| | TR14G6 |
| | TR15G6 |



WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT: Δ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT



| * | F1 | F2 | F3, F4 | F5 |
|---------|------------|---------|------------|------------|
| [E] [V] | T6 3A 250V | — | T1A 250V | T1A 250V |
| [B] | T5A 250V | — | T1A 250V | T1A 250V |
| [U] | 8A 250V | 8A 250V | 500mA 250V | 800mA 250V |

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/4W (J)
ALL CAPACITORS IN μF 25V (M)

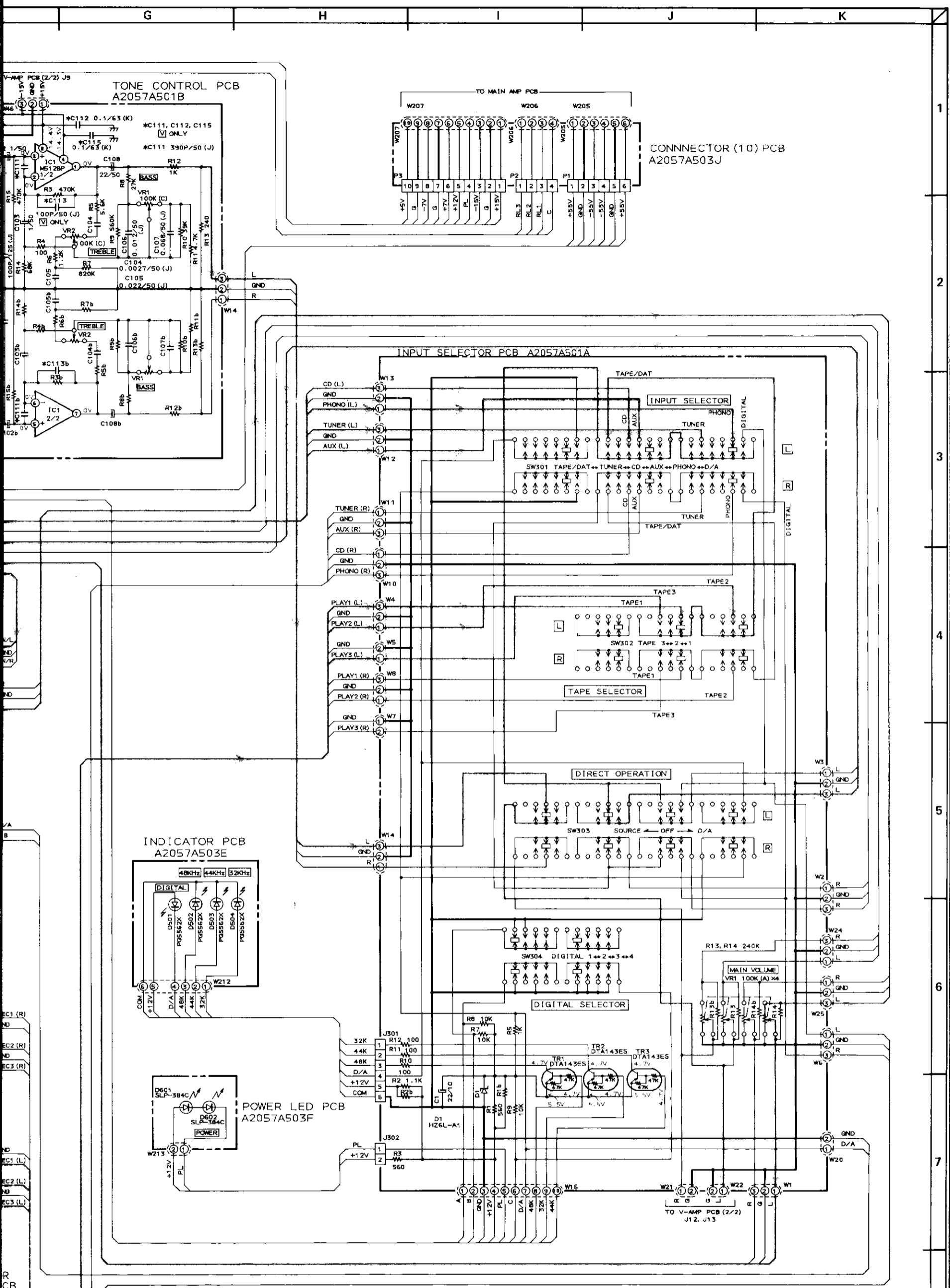
*INDICATED VOLTAGES ARE MESRED
IN NO SIGNAL INPUT AND
VOLUME IS MINIMUM MODE.

B (POWER SUPPLY) LINE
SIGNAL LINE
(INDICATED LEFT CHANNEL ONLY)

WARNING: AND INDICATE SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.
AVERTISSEMENT: ET ILS INDIQUENT LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

AM-95
MAIN PCB &
CONNECTION DIAGRAM
NO. 7-2 A206401M

1
2
3
4
5
6
7
8

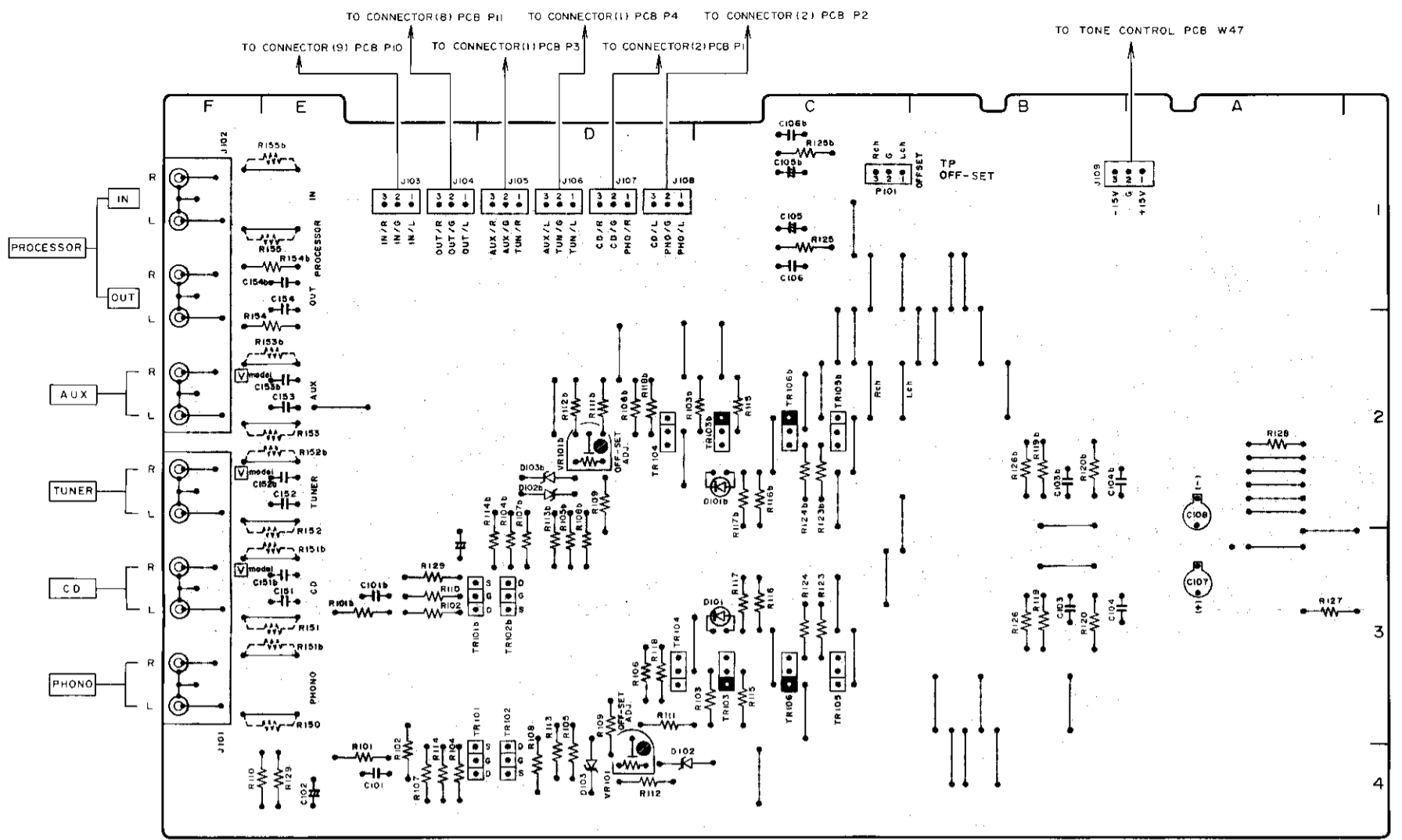


B (POWER SUPPLY) LINE
 MAIN SIGNAL LINE
 REC OUT SIGNAL LINE

NOTE
 UNLESS OTHERWISE SPECIFIED:
 ALL RESISTORS IN OHMS 1/4W (J)
 ALL CAPACITORS IN μ F 25 WV (M)

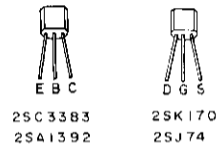
AM-75
 EQUALIZER & INPUT PCB
 SCHEMATIC DIAGRAM
 NO. 7-3 A206502M

1
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 8



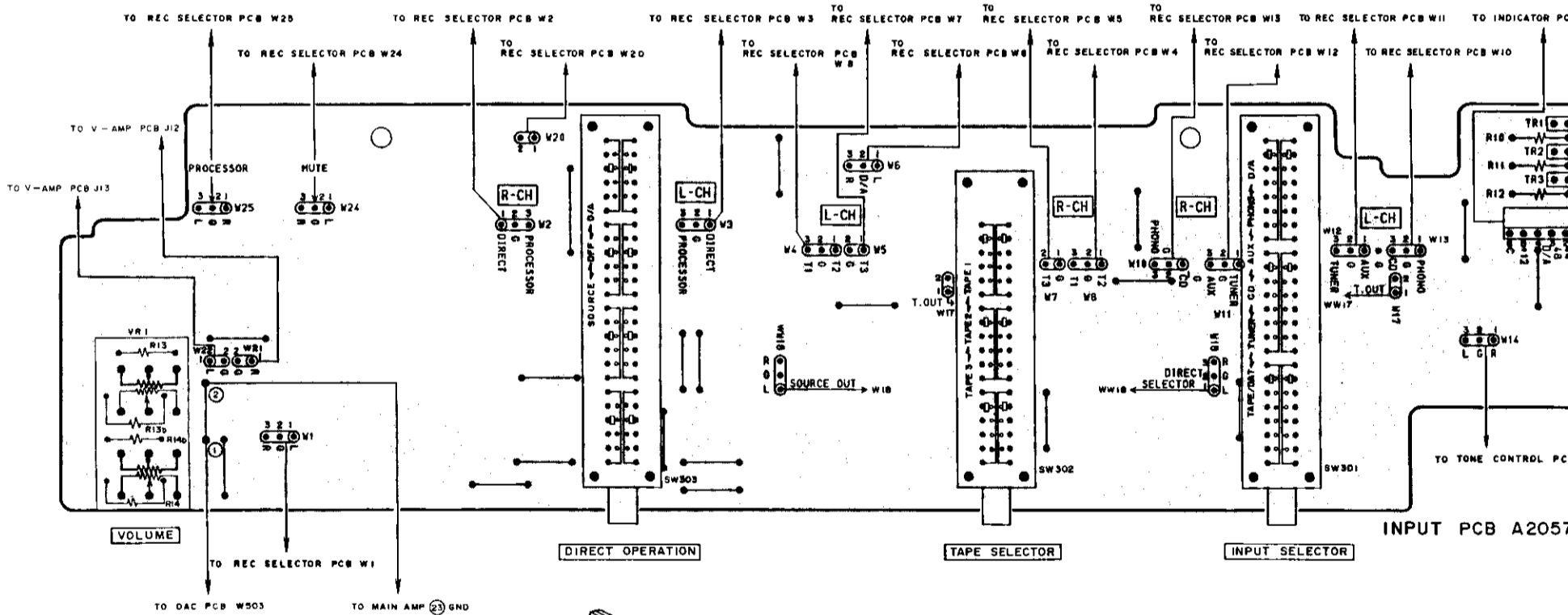
EQUALIZER PCB A2057A504B (J2)

S D
 FET
 B PNP TRANSISTOR
 B NPN TRANSISTOR
 * Indicated ∇ are V model only
 --+--+

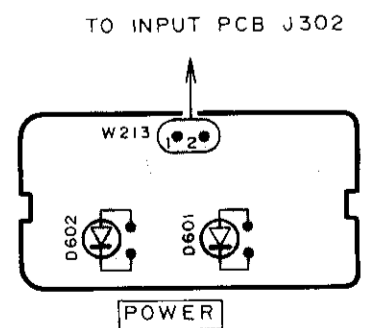
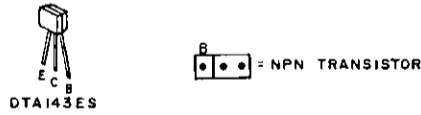


LOCATION OF COMPONENTS

| TRANSISTOR | | CONNECTOR | |
|------------|--------|-----------|--------|
| TR101 | ... E4 | J101 | ... F3 |
| TR101b | ... E3 | J102 | ... F1 |
| TR102 | ... E4 | J103 | ... E1 |
| TR102b | ... E3 | J104 | ... E1 |
| TR103 | ... D3 | J105 | ... E1 |
| TR103b | ... D2 | J106 | ... D1 |
| TR104 | ... D3 | J107 | ... D1 |
| TR104b | ... D2 | J108 | ... D1 |
| TR105 | ... C3 | J109 | ... B1 |
| TR105b | ... C2 | P101 | ... C1 |
| TR106 | ... C3 | | |
| TR106b | ... C2 | | |



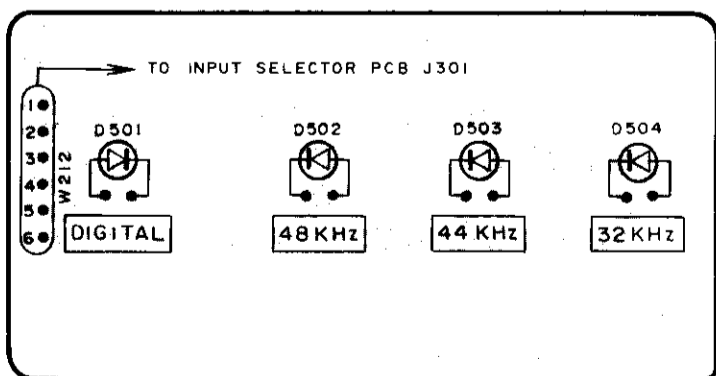
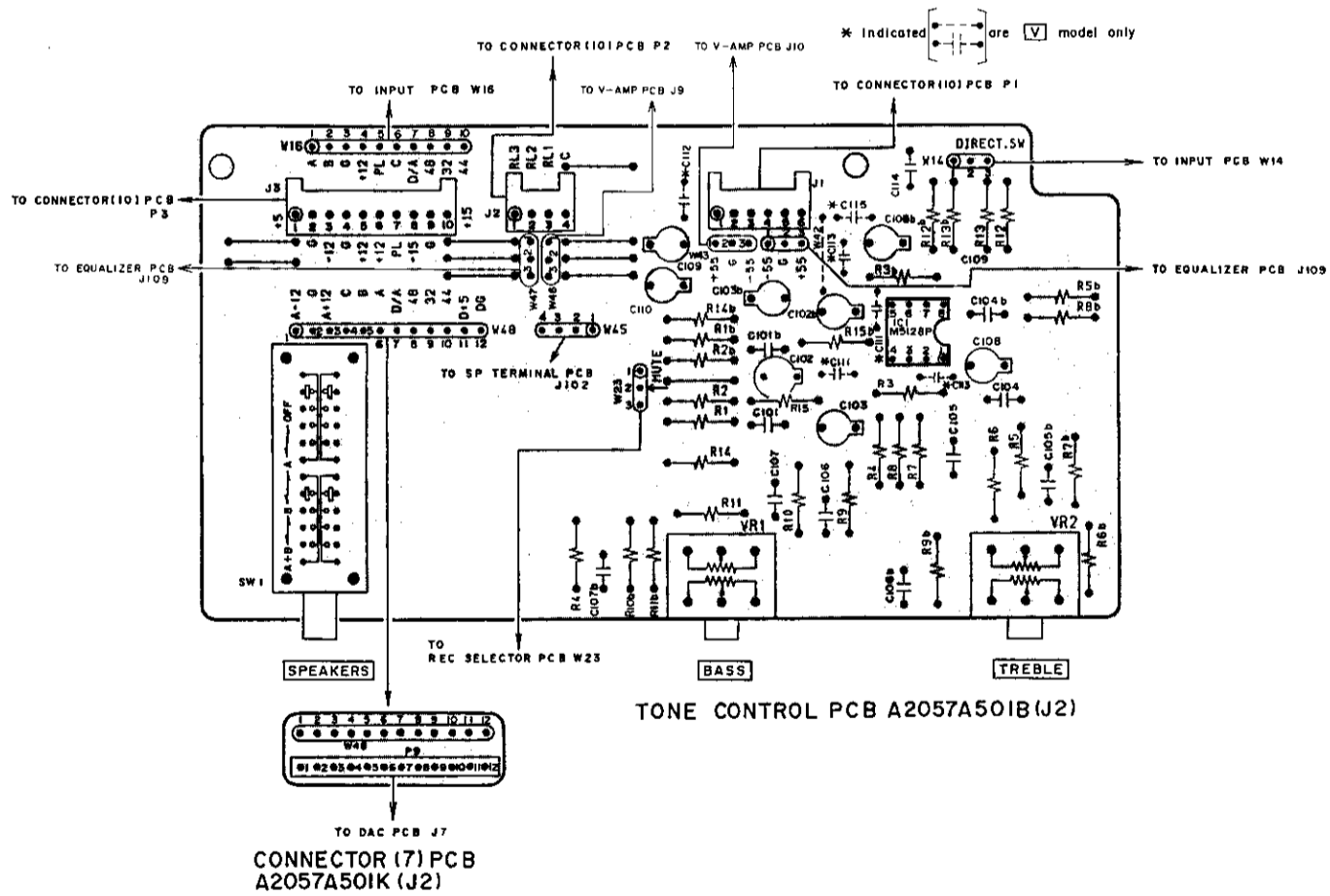
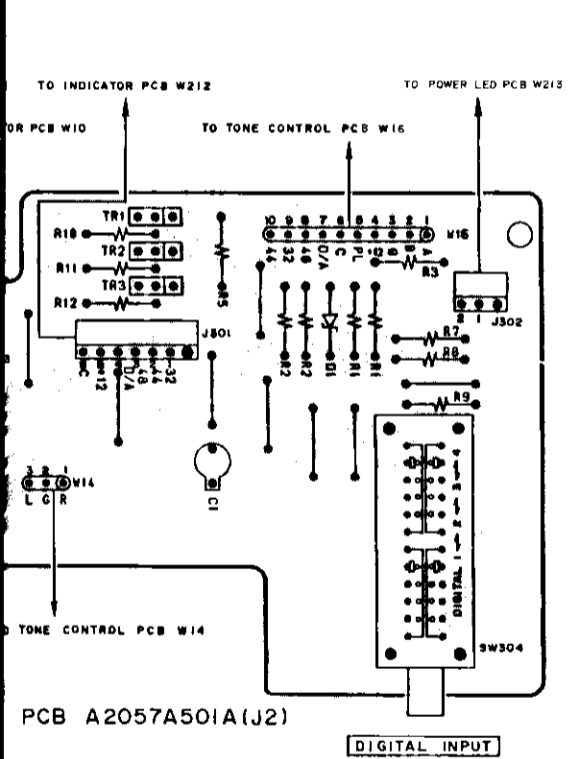
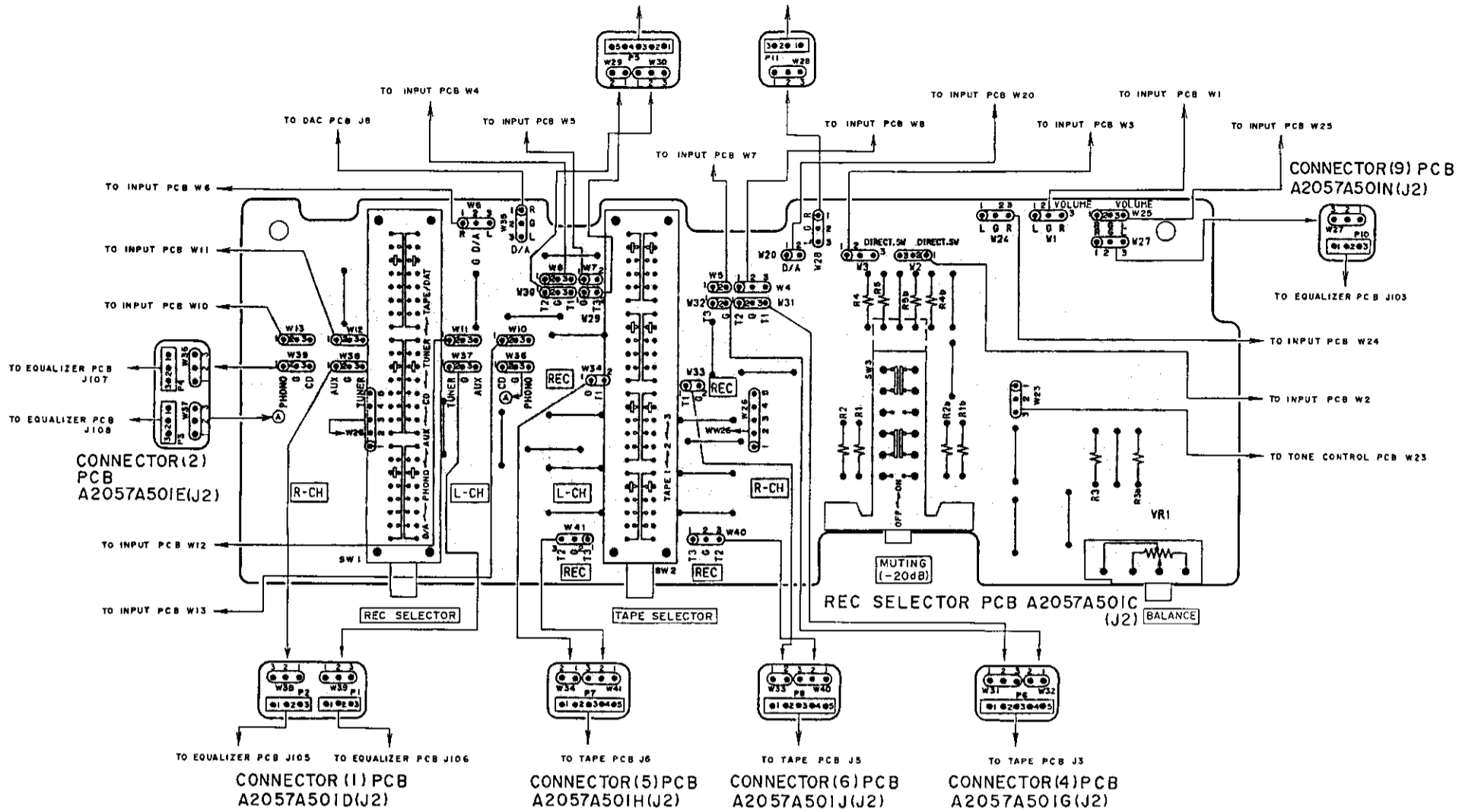
INPUT PCB A2057A503F (J1)



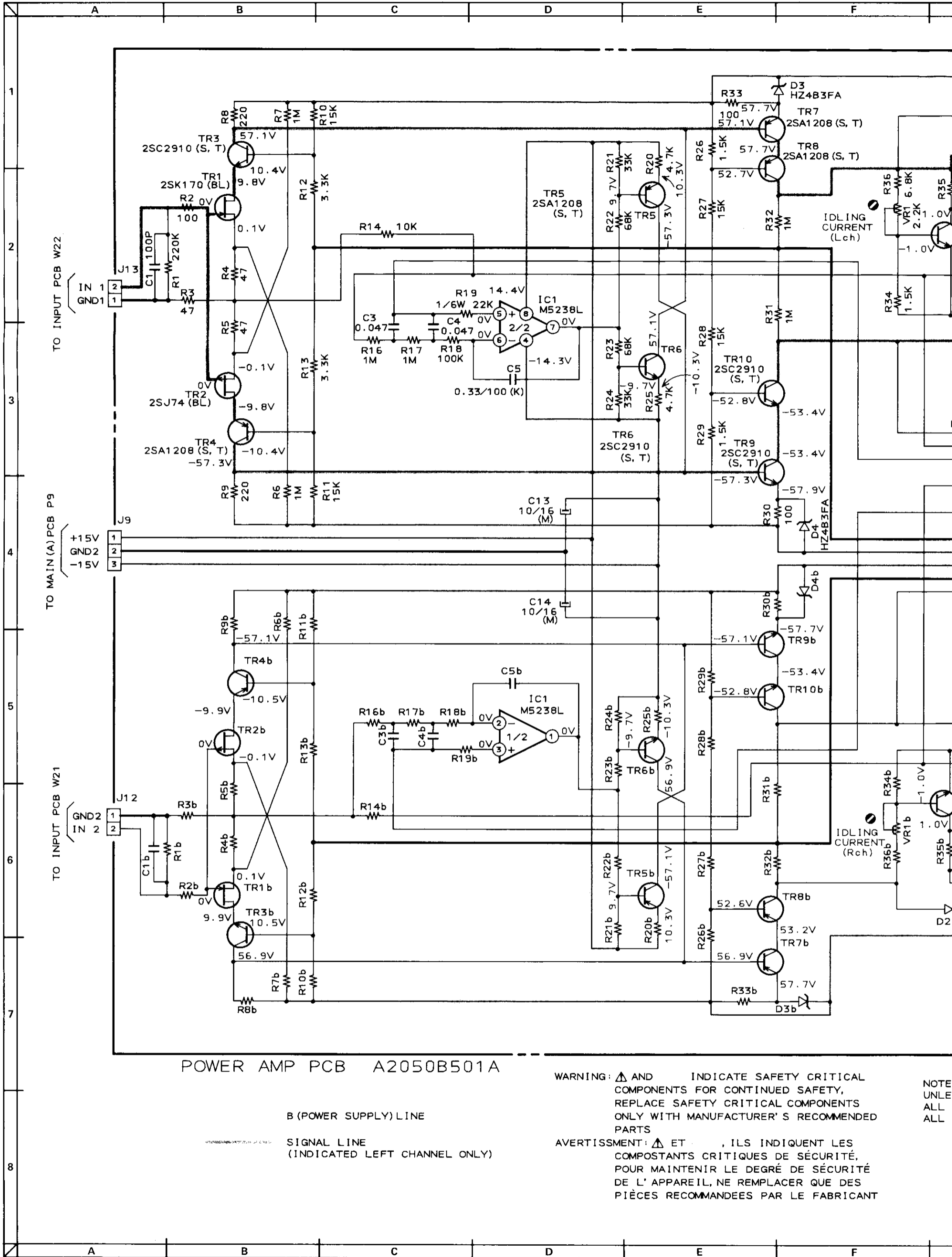
POWER LED PCB A2057A503F (J1)

CONNECTOR(3) PCB A2057A501F(J2)
TO TAPE PCB J4

CONNECTOR(8) PCB A2057A501L(J2)
TO EQUALIZER PCB J104



INDICATOR PCB A2057A503E(J1)

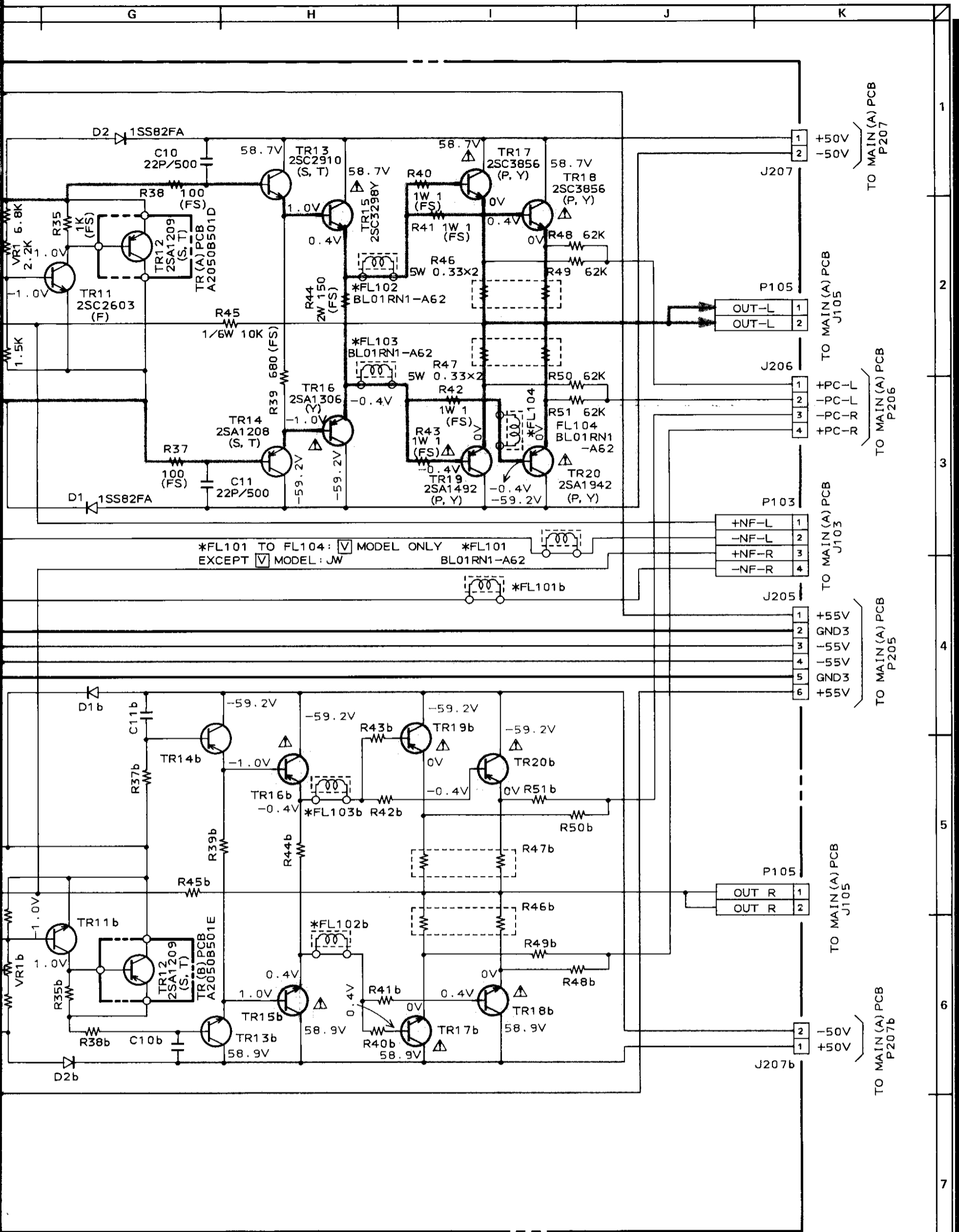


POWER AMP PCB A2050B501A

B (POWER SUPPLY) LINE
 SIGNAL LINE
 (INDICATED LEFT CHANNEL ONLY)

WARNING: Δ AND ∇ INDICATE SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS
 AVERTISSEMENT: Δ ET ∇ ILS INDIQUENT LES COMPOSTANTS CRITIQUES DE SÉCURITÉ, POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT

NOTE UNLE ALL ALL

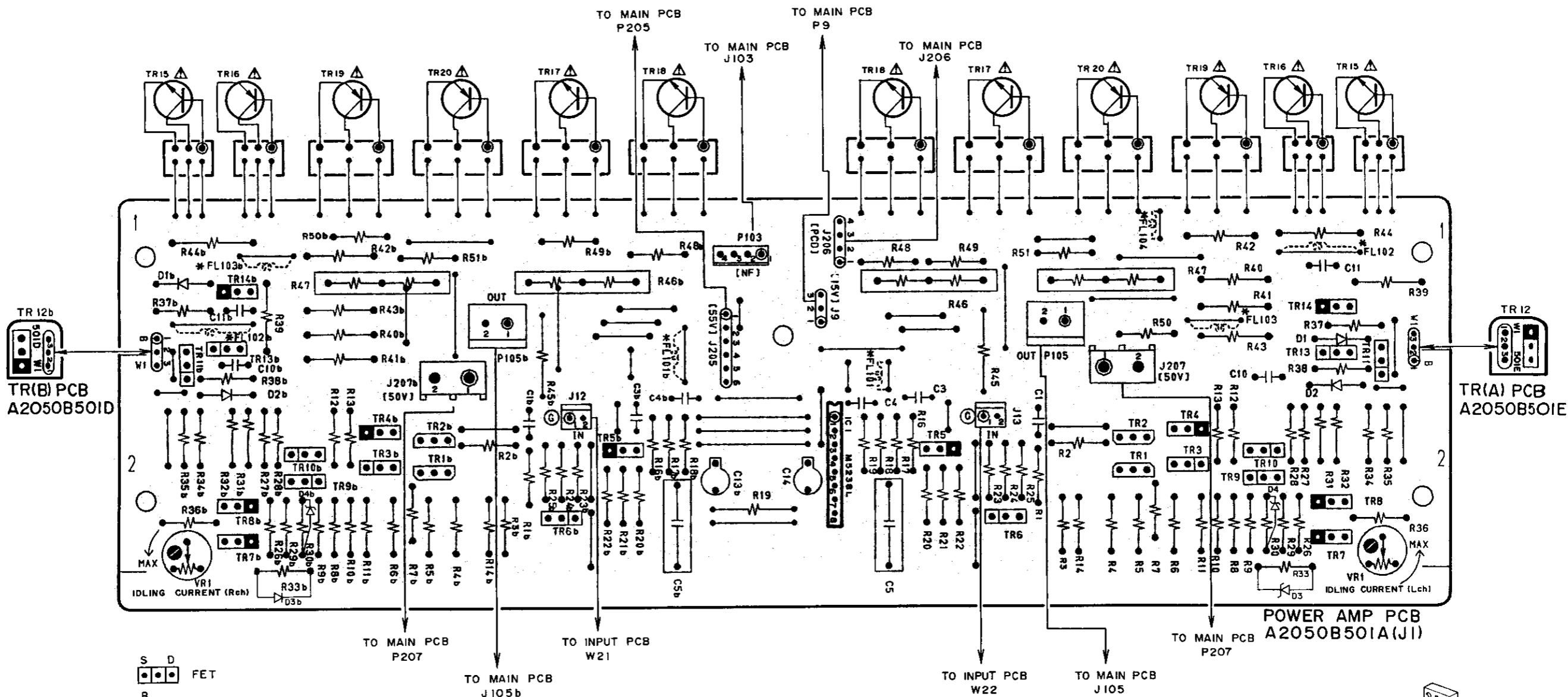


NOTE
 UNLESS OTHERWISE SPECIFIED
 ALL RESISTORS IN OHMS 1/4W(J)
 ALL CAPACITORS IN μ F125W(J)

*INDICATED VOLTAGES ARE MESURED
 IN NO SIGNAL INPUT AND
 VOLUME IS MINIMUM MODE.

AM-95
 POWER AMP PCB
 SCHEMATIC DIAGRAM
 NO. 7-4 A206402M

1
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 5
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 8



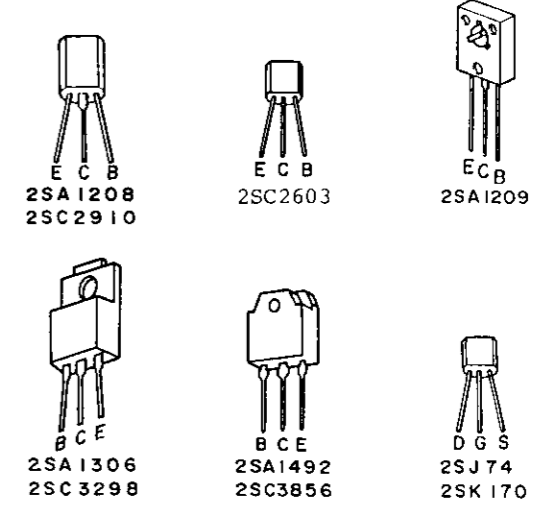
- S D FET
- B PNP TRANSISTOR
- B NPN TRANSISTOR
- * Indicated ∇ are ∇ model only

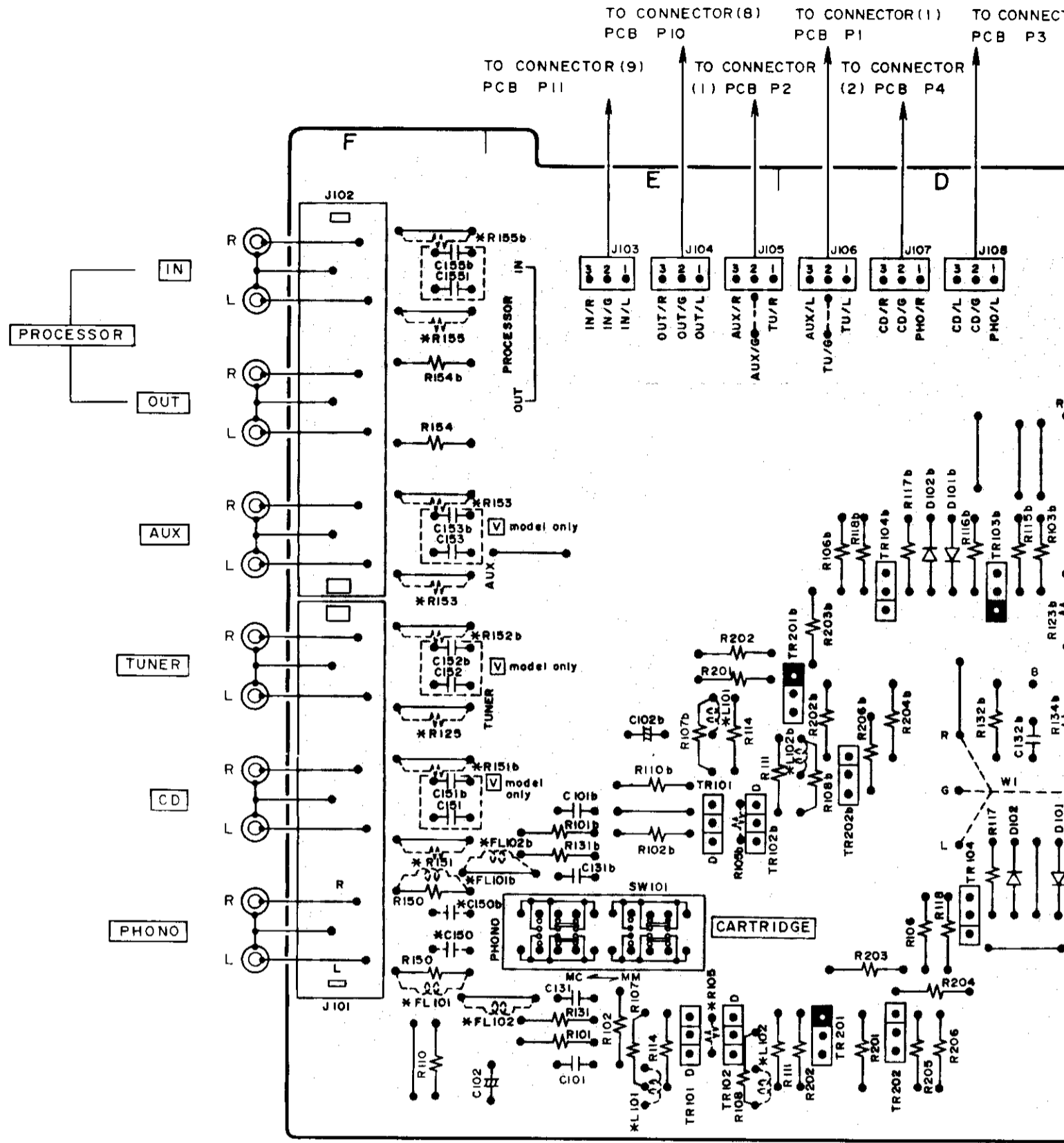
WARNING ∇ INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

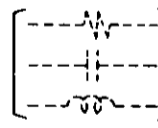

AVERTISSEMENT ∇ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL. NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT

LOCATION OF COMPONENTS

| | | | | |
|--------------|-------------|--------------|--------------|--------------|
| IC | TRANSISTOR | TR6.....C2 | TR11.....A2 | TR17.....C1 |
| IC 1.....C2 | TR1.....B2 | TR6b.....E2 | TR11b.....F2 | TR17b.....D1 |
| CONNECTOR | TR1b.....E2 | TR7.....A2 | TR13.....A2 | TR18.....C1 |
| J12b.....E2 | TR2.....B2 | TR7b.....F2 | TR13b.....F1 | TR18b.....D1 |
| J13.....C2 | TR3.....B2 | TR8.....A2 | TR14.....A1 | TR19.....B1 |
| J207.....B2 | TR3b.....E2 | TR8b.....F2 | TR14b.....F1 | TR19b.....E2 |
| J207b.....E2 | TR4.....B2 | TR9.....A2 | TR15.....A1 | TR20.....B1 |
| P103.....D | TR4b.....E2 | TR9b.....F2 | TR15b.....F1 | TR20b.....E2 |
| P105.....B1 | TR5.....C2 | TR10.....A2 | TR16.....A1 | |
| P105b.....E1 | TR5b.....D2 | TR10b.....F2 | TR16b.....F1 | |







* Indicated  are  model only

LOCATION OF COMPONENTS

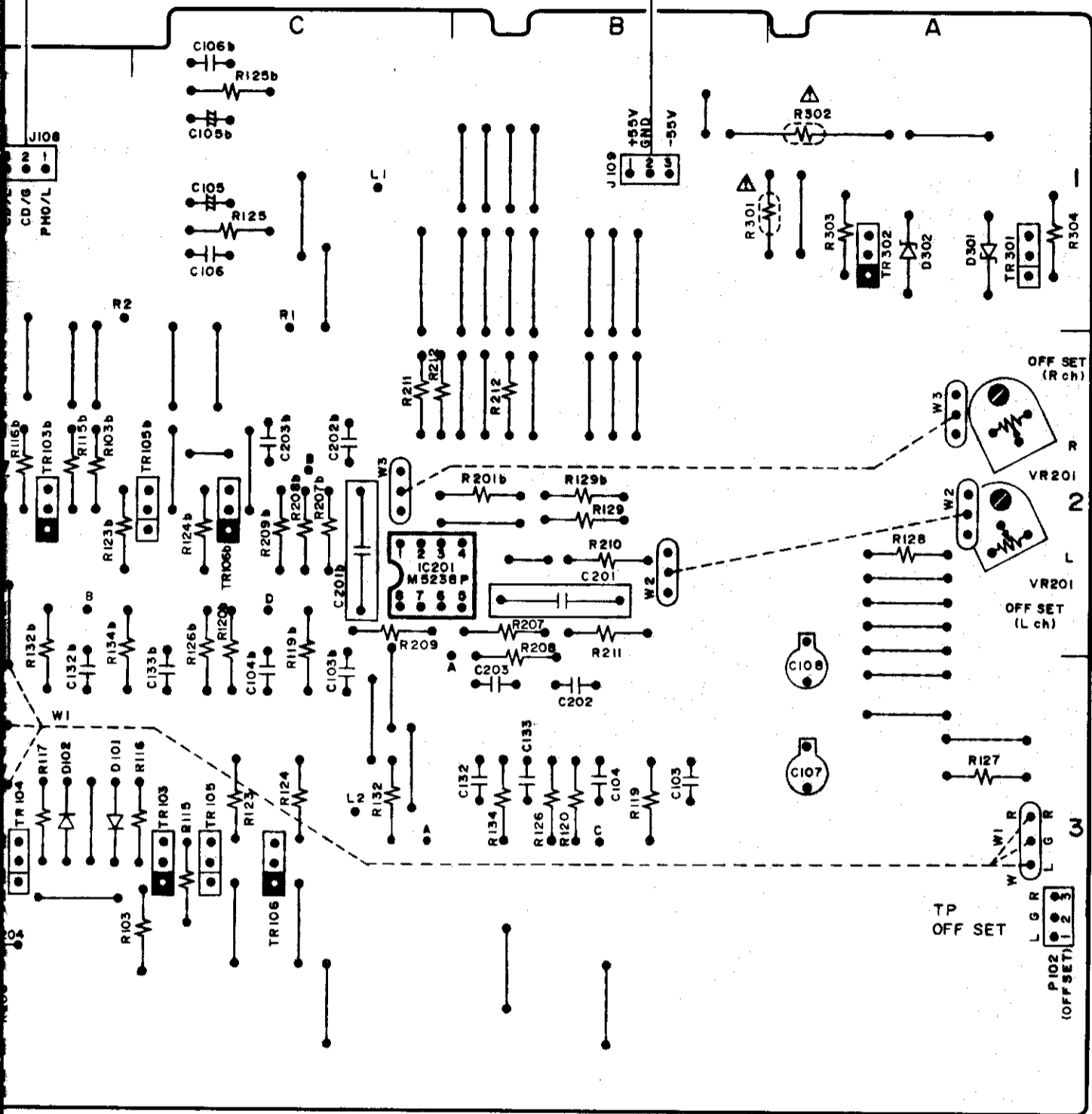
| IC | CONNECTOR |
|--------|-----------|
| IC 201 | J101 |
| | J102 |
| | J103 |
| | J104 |
| | J105 |
| | J106 |
| | J107 |
| | J108 |
| | J109 |
| P101 | P101 |
| P102 | P102 |

WARNING  INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS

AVERTISSEMENT  IL INDIQUE LES COMPOSANTS CRITIQUES DE SECURITE POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL. NE REMPLACER QUE DES PIECES RECOMMANDEES PAR LE FABRICANT

TO CONNECTOR (2)
PCB P3

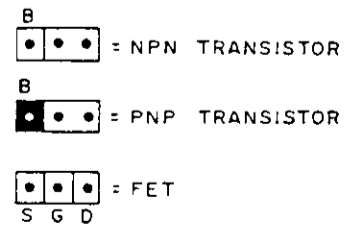
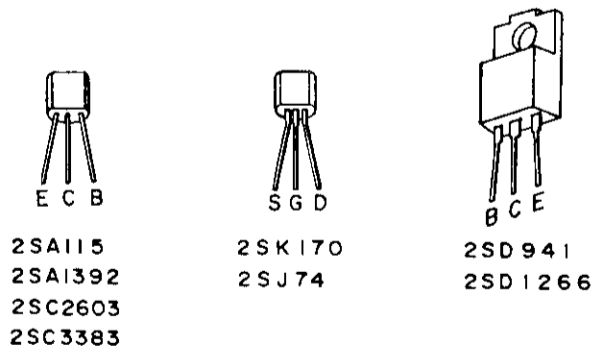
TO TONE CONTROL
W43

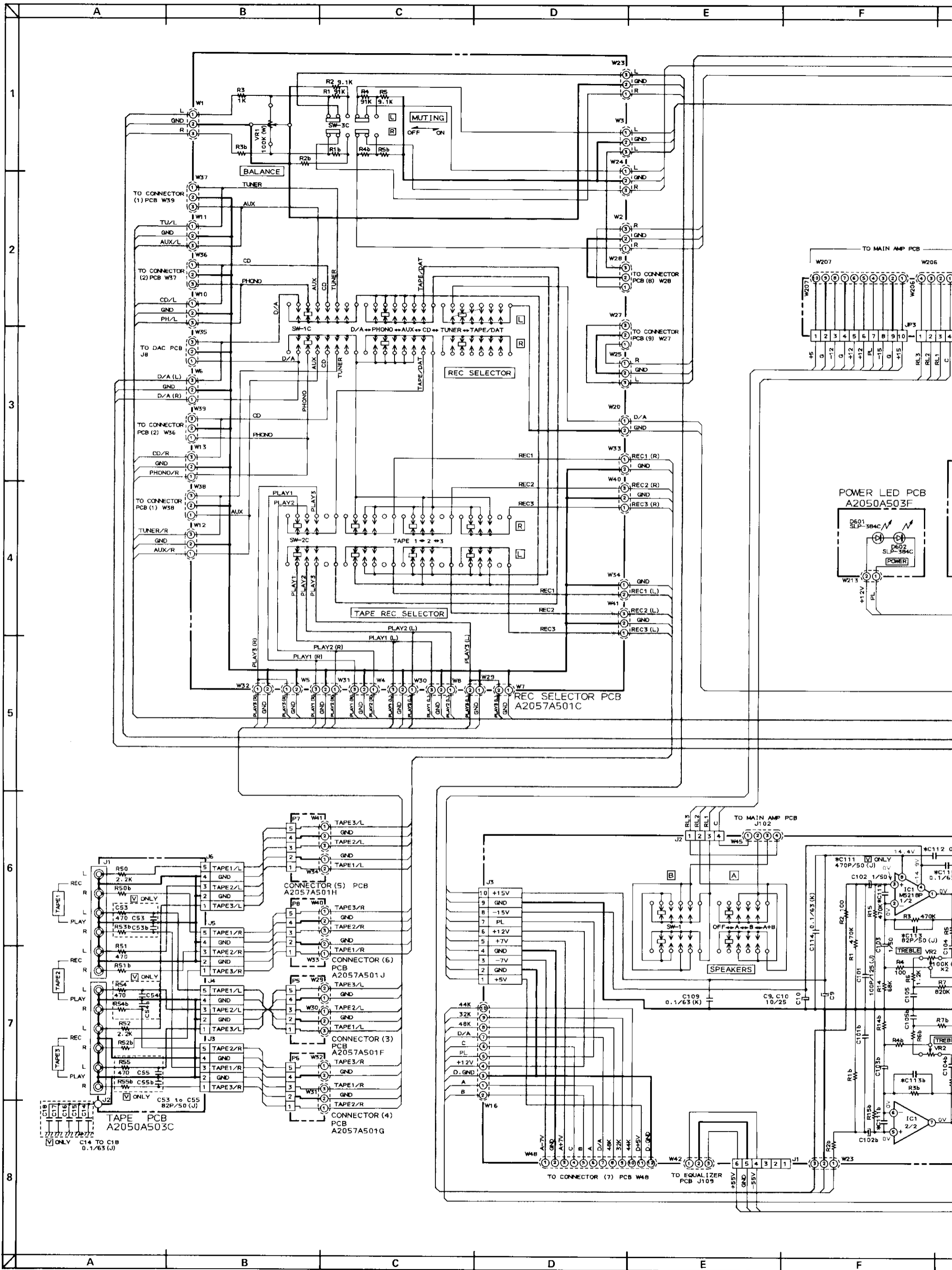


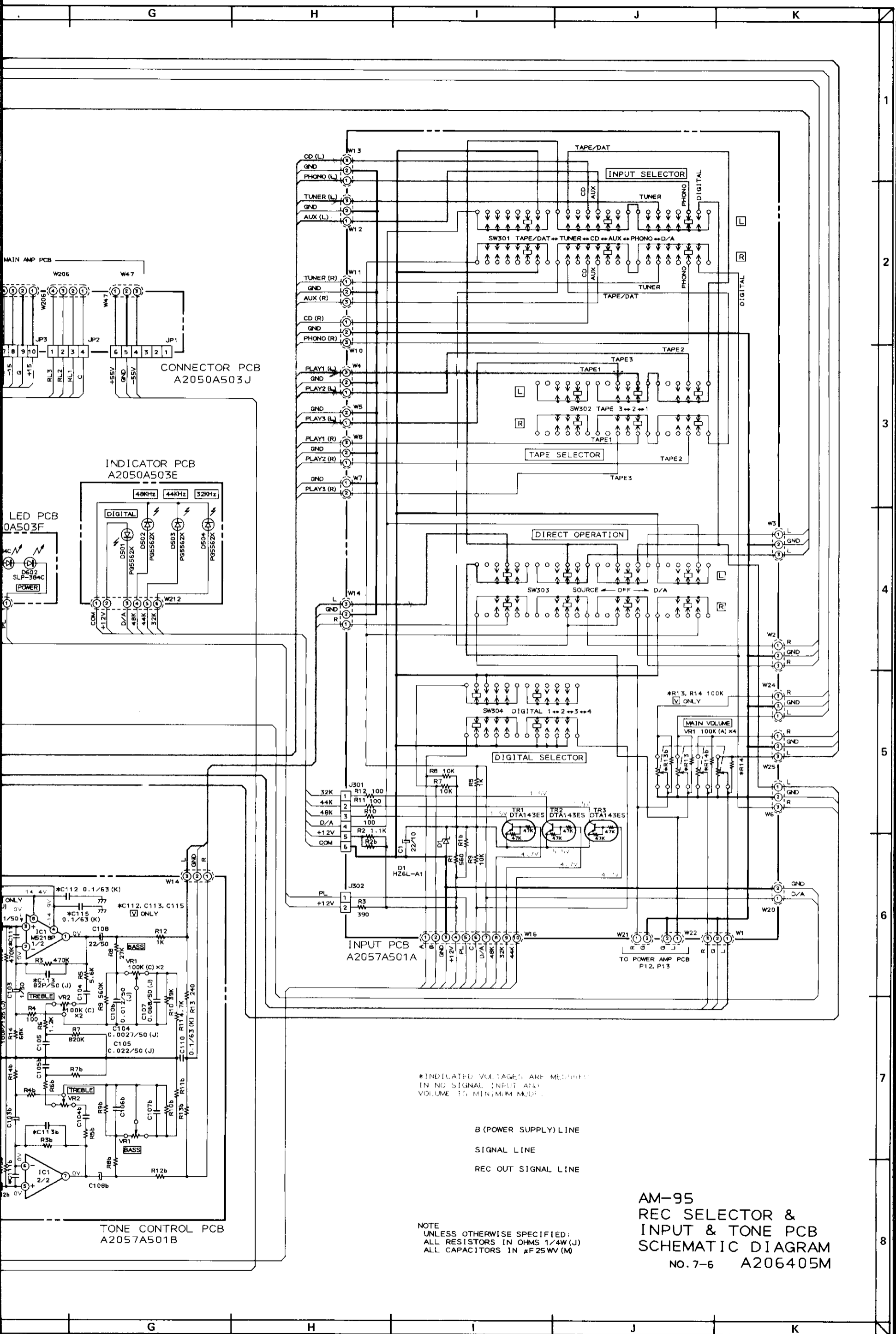
EQUALIZER PCB A2050A5040

COMPONENTS

| | |
|---------------|------------------|
| CONNECTOR | TRANSISTOR |
| J101 F3 | TR 101 E3 |
| J102 F1 | TR 101b E3 |
| J103 E1 | TR 102 E3 |
| J104 E1 | TR 102b E3 |
| J105 E1 | TR 103 C3 |
| J106 D1 | TR 103b D2 |
| J107 D1 | TR 104 D3 |
| J108 D1 | TR 104b D2 |
| J109 B1 | TR 105 C3 |
| PI01 C1 | TR 105b C2 |
| PI02 A3 | TR 106 C3 |
| | TR 106b C2 |
| | TR201 D3 |
| | TR201b D2 |
| | TR202 D3 |
| | TR202b D3 |
| | TR301 A1 |
| | TR302 A1 |







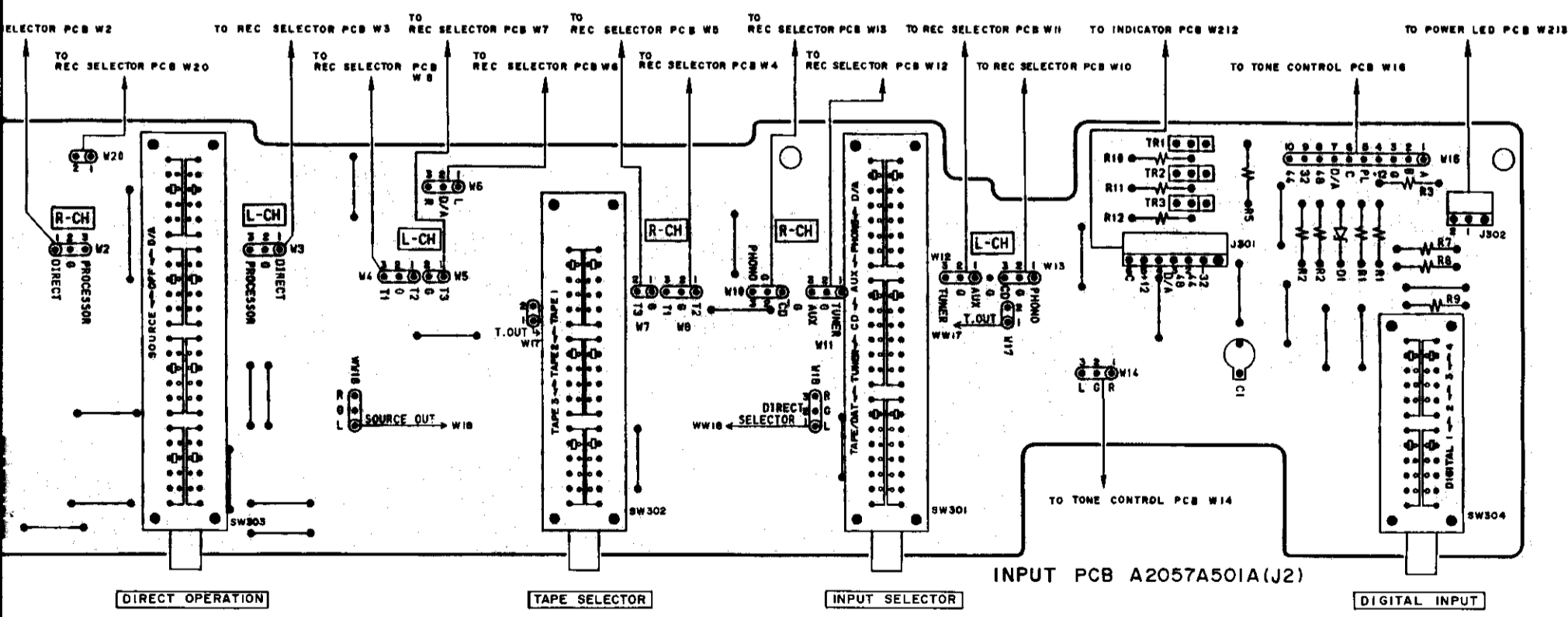
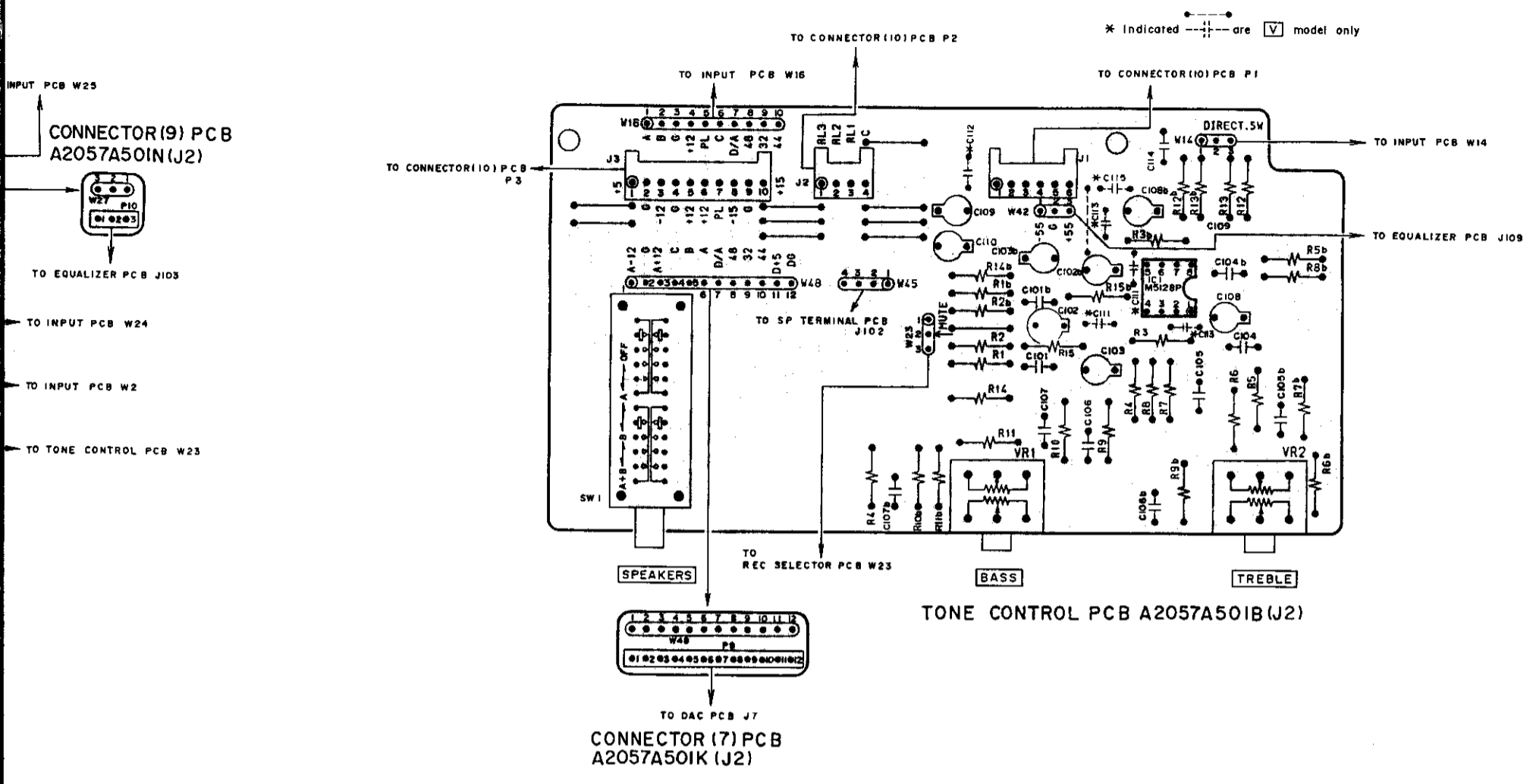
*INDICATED VOLTAGES ARE MEASURED IN NO SIGNAL INPUT AND VOLUME IS MINIMUM MODE.

- B (POWER SUPPLY) LINE
- SIGNAL LINE
- REC OUT SIGNAL LINE

NOTE
UNLESS OTHERWISE SPECIFIED:
ALL RESISTORS IN OHMS 1/4W (J)
ALL CAPACITORS IN #F25WV (M)

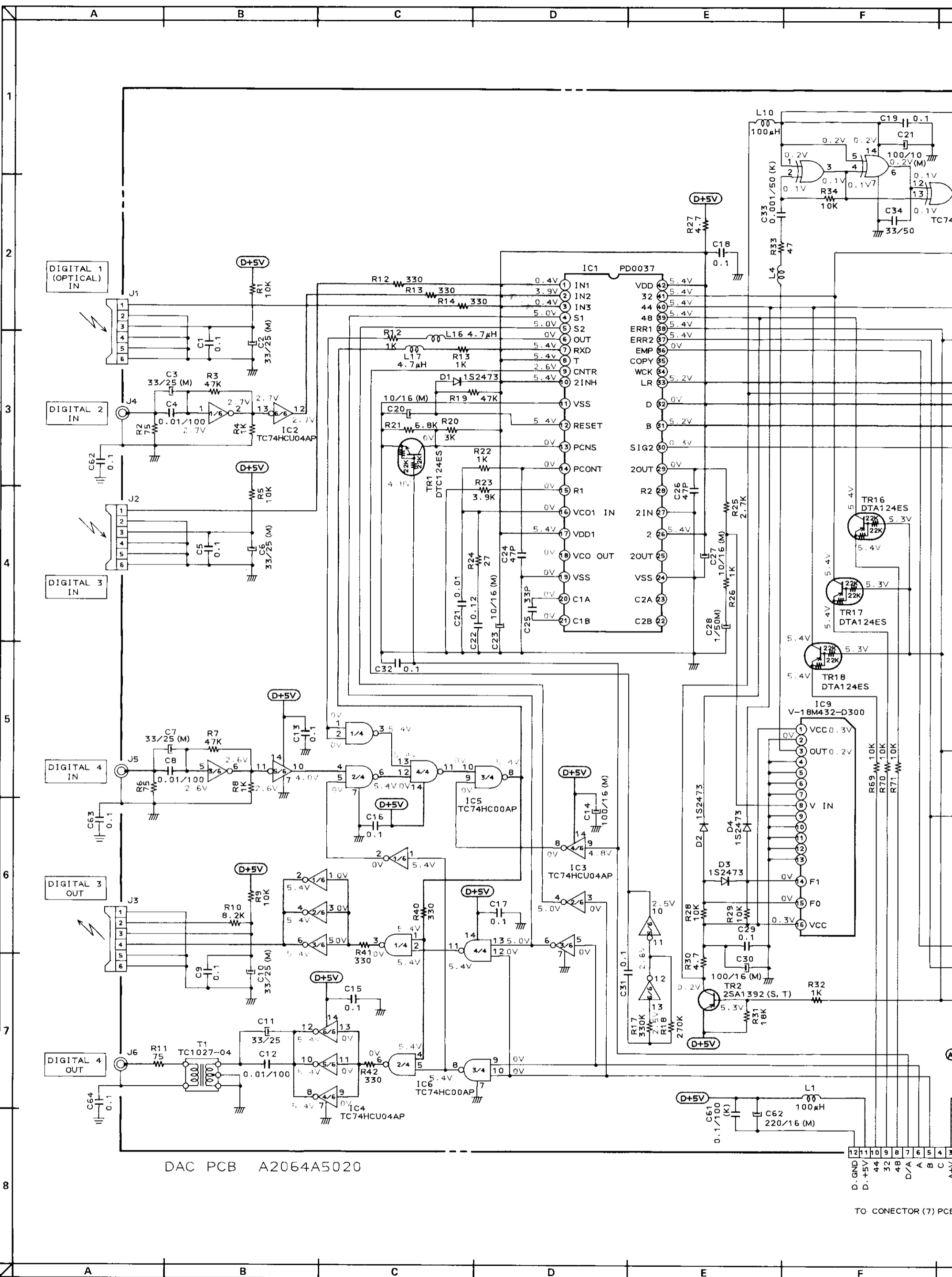
**AM-95
REC SELECTOR &
INPUT & TONE PCB
SCHEMATIC DIAGRAM**

NO. 7-6 A206405M



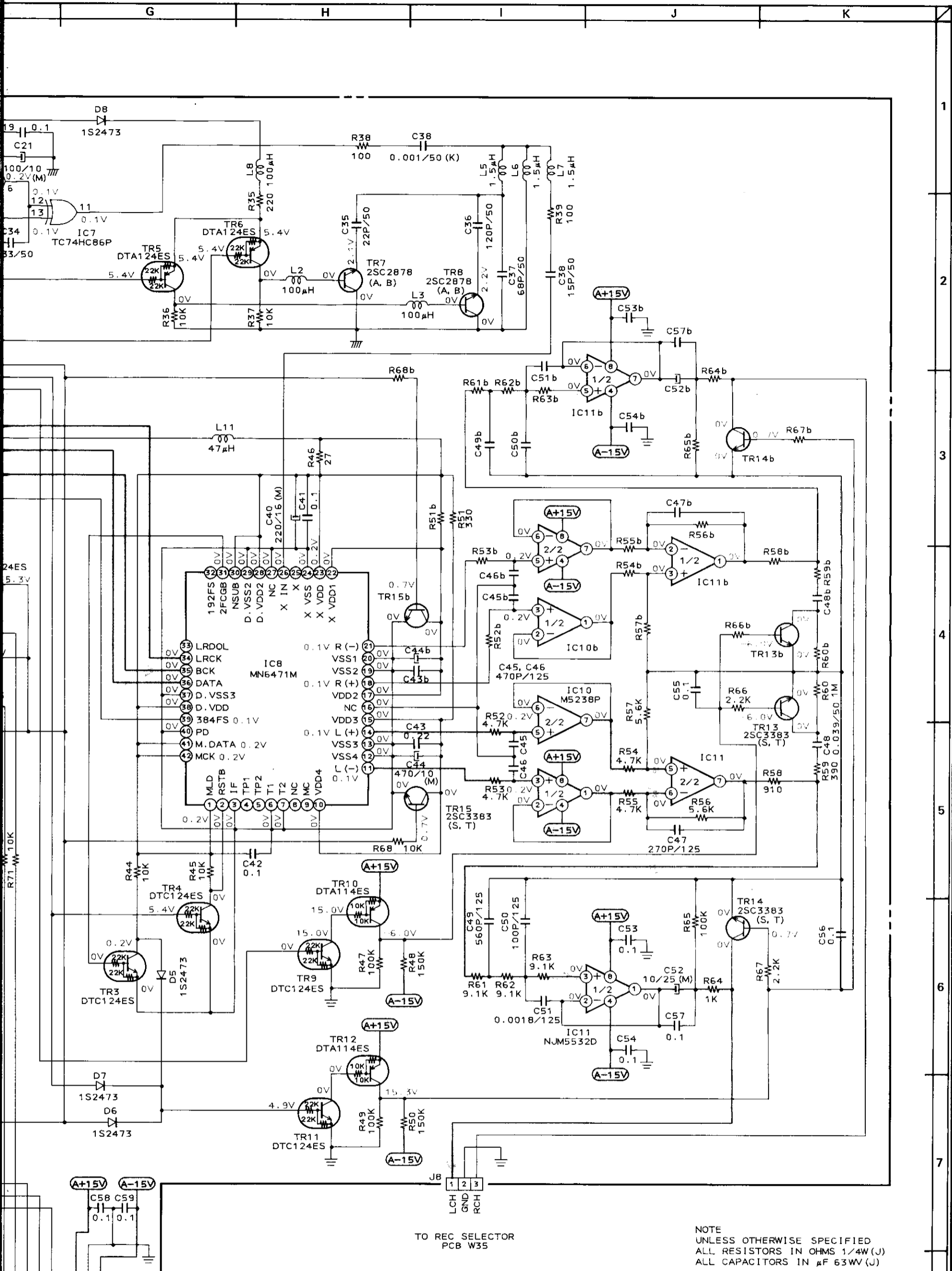
= NPN TRANSISTOR

DTA143ES



DAC PCB A2064A5020

12 11 10 9 8 7 6 5 4 3
D.GND
D.+5V
D
44
32
4B
D/A
A
B
C
A+V
TO CONECTOR (7) PCB



TO REC SELECTOR
PCB W35

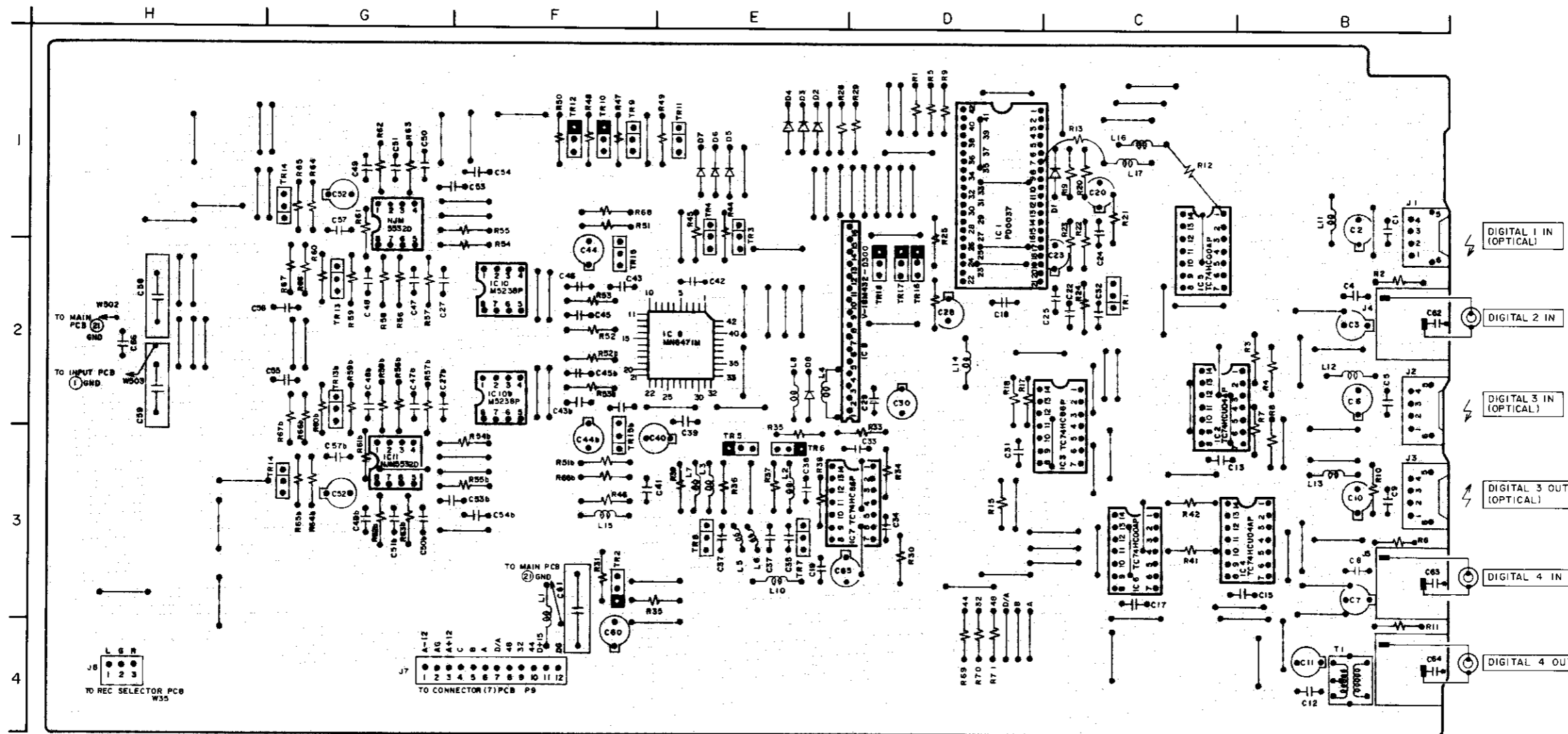
NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/4W (J)
ALL CAPACITORS IN μ F 63WV (J)

*INDICATED VOLTAGES ARE MEASURED
IN NO SIGNAL INPUT AND VOLUME IS
MINIMUM MODE.

B (POWER SUPPLY) LINE
SIGNAL LINE (INDICATED LEFT CHANNEL ONLY)

AM-75/95
DAC PCB
SCHEMATIC DIAGRAM
NO. 7-7 A206405M

CONNECTOR (7) PCB P9
9 8 7 6 5 4 3 2 1
D/A A B C
A+V
A-GND
A-V



DAC PCB A2064A5020

- LOCATION OF COMPONENTS
- ICs
 IC1.....D1,2
 IC2.....B,C2
 IC3.....C2,3
 IC4.....B,C3
 IC5.....C1,2
 IC6.....C3
 IC7.....D,E3
 IC8.....E2
 IC9.....D,E2
 IC10.....F2
 IC10b.....F2
 IC11.....G1,2
 IC11b.....G3
- TRANSISTORS
 TR1.....C2
 TR2.....B3
 TR3.....E1,2
 TR4.....E1,2
 TR5.....E3
 TR6.....E3
 TR7.....E3
 TR8.....E3
 TR9.....F1
 TR10.....F1
 TR11.....E1
 TR12.....F1
 TR13.....G2
 TR13b.....G2
 TR14.....G1
 TR14b.....G3
 TR15.....F2
 TR15b.....F2,3
 TR16.....D2
 TR17.....D2
 TR18.....D2
- CONNECTORS
 J7.....F4
 J8.....H4

= NPN TRANSISTOR
 = PNP TRANSISTOR

