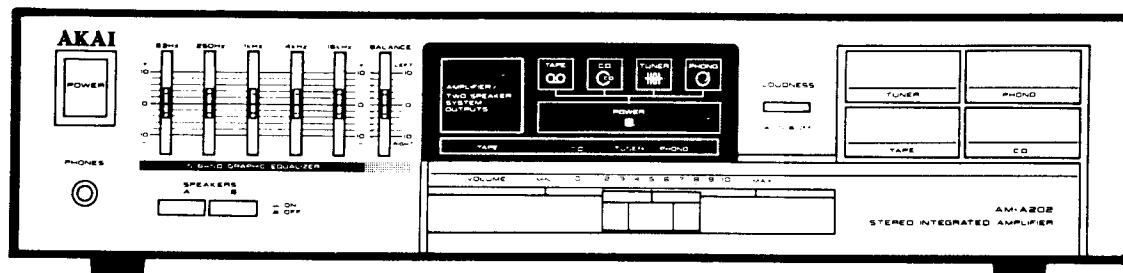
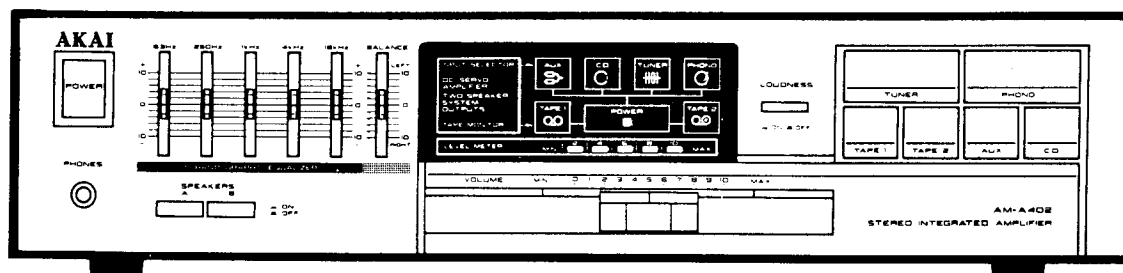


# AKAI SERVICE MANUAL

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Email:- enquiries@mauritron.co.uk



MODEL AM-A202



MODEL AM-A402

## STEREO INTEGRATED AMPLIFIER

MODEL **AM-A102**

MODEL **AM-A202**

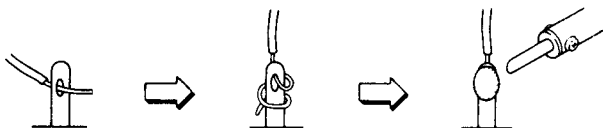
MODEL **AM-A302**

MODEL **AM-A402**

# SAFETY INSTRUCTIONS

## PRECAUTIONS DURING SERVICING

1. Parts identified by the  $\Delta$  symbol parts are critical for safety. Replace only with parts number specified.
2. 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.
3. Use specified internal wiring. Note especially:
  - 1) Wires covered with PVC tubing
  - 2) Double insulated wires
  - 3) High voltage leads
4. 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)
5. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.), wrap ends of wires securely about the terminals before soldering.



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

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

## SAFETY CHECK AFTER SERVICING

Confirm the specified insulation resistance between power cord plug prongs and externally exposed parts of the set is greater than 10 M ohms, but for equipment with external antenna terminals (tuner, receiver, etc.) and is intended for  $\square C$  or  $\square A$ , specified insulation resistance should be headphone jacks, line-in-out jacks etc. more than 2.2 M ohms (ground terminals, microphone jacks).

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## INFORMATION

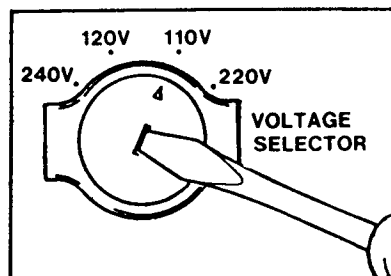
### SYMBOLS FOR PRIMARY DESTINATION

Alphabet indicates the destination of the units as listed below.

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

### VOLTAGE CONVERSION ( $\square U$ Model only)

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



# I. SPECIFICATIONS

## 1-1. Model AM-A202, AM-A102

| Model                                                                                                                                                                                                                                                                                                                                  | AM-A202                                                                                                                                                                           | AM-A102                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power output (8 ohms)<br>Rated 40 Hz—20 kHz<br>by FTC 40 Hz—20 kHz<br>by DIN 1 kHz<br>Music power (Both channels)<br>Power bandwidth (IHF —3 dB, 8 ohms)<br>S/N (IHF-A)<br>PHONO<br>CD, TAPE<br>Residual noise (8 ohms)<br>Channel separation (IHF, 1 kHz)<br>Damping factor (1 kHz, 8 ohms)<br>Speaker impedance<br>A or B<br>A and B | 40 W/0.3%<br>50 W/0.3%<br>45 W<br>200 W<br>10 Hz to 50 kHz (0.5%)<br><br>72 dB<br>92 dB<br>0.5 mV<br>60 dB<br>20<br>8 to 16 ohms<br>8 to 16 ohms                                  | 25 W/0.3%<br>—<br>30 W<br>160 W<br>10 Hz to 40 kHz (0.5%)<br><br>72 dB<br>92 dB<br>0.5 mV<br>60 dB<br>20<br>8 to 16 ohms<br>8 to 16 ohms              |
| Input sensitivity/Impedance<br>PHONO<br>CD, TAPE<br>Output level/Impedance<br>TAPE<br>Frequency response<br>PHONO (RIAA)<br>CD, TAPE<br>Graphic equalizer<br>Center frequency<br>Control range<br>PHONO max. input level                                                                                                               | 2.5 mV/47 kohms<br>150 mV/47 kohms<br>150 mV/1 kohms<br>±0.5 dB<br>5 Hz to 100 kHz (—3 dB)<br>63 Hz/250 Hz/1 kHz/4 kHz/<br>16 kHz<br>±10 dB<br>120 mV                             | 2.5 mV/47 kohms<br>150 mV/47 kohms<br>150 mV/1 kohms<br>±0.5 dB<br>5 Hz to 100 kHz (—3 dB)<br>63 Hz/250 Hz/1 kHz/4 kHz/<br>16 kHz<br>±10 dB<br>120 mV |
| Power requirements                                                                                                                                                                                                                                                                                                                     | 120 V, 60 Hz for USA and Canada<br>220 V, 50 Hz for Europe except UK<br>240 V, 50 Hz for UK and Australia<br>110 V/120 V/220 V/240 V, 50 Hz/60 Hz convertible for other countries |                                                                                                                                                       |
| Dimensions                                                                                                                                                                                                                                                                                                                             | 440 (W) × 100 (H) × 250 (D) mm<br>(17.3 × 3.9 × 9.8 inches)                                                                                                                       | 440 (W) × 100 (H) × 250 (D) mm<br>(17.3 × 3.9 × 9.8 inches)                                                                                           |
| Weight                                                                                                                                                                                                                                                                                                                                 | 5.2 kg (11.5 lbs)                                                                                                                                                                 | 5.8 kg (12.8 lbs)                                                                                                                                     |

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

## 1-2. Model AM-A402, AM-A302

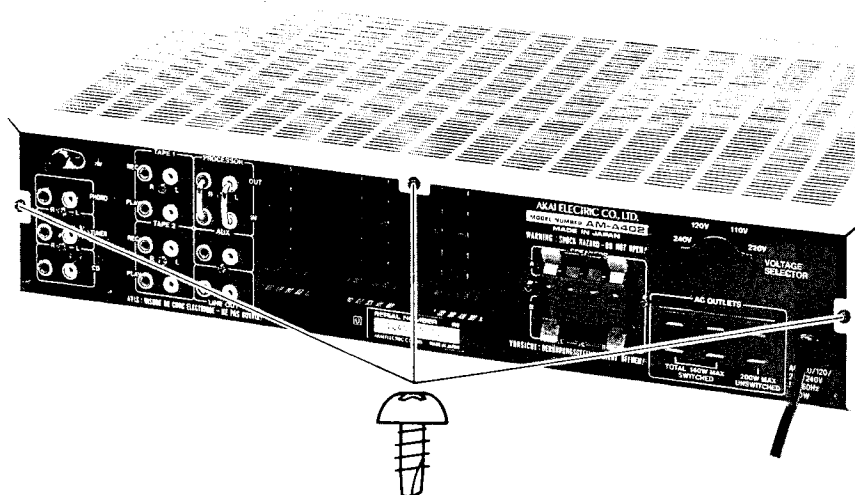
| Model                                                                                                                                                                                                                                                                                                                 | AM-A402                                                                                                                                                                           | AM-A302                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power output<br>Rated —<br>by FTC 20 Hz to 20 kHz<br>by DIN 1 kHz<br>Music power (Both channels)<br>Power bandwidth (IHF —3 dB, 8 ohms)<br>S/N (IHF-A)<br>PHONO<br>CD, TAPE<br>Residual noise (8 ohms)<br>Channel separation (IHF, 1 kHz)<br>Damping factor (1 kHz, 8 ohms)<br>Speaker impedance<br>A or B<br>A and B | 8 ohms<br>—<br>20 Hz to 20 kHz 100 W/0.09%<br>1 kHz 100 W<br>430 W<br>5 Hz to 50 kHz (0.5%)<br><br>72 dB<br>95 dB<br>0.5 mV<br>60 dB<br>45<br>8 to 16 ohms<br>16 ohms             | 8 ohms<br>20 Hz to 20 kHz 60 W/0.09%<br>20 Hz to 20 kHz 80 W/0.09%<br>1 kHz 65 W<br>320 W<br>5 Hz to 50 kHz (0.5%)<br><br>72 dB<br>95 dB<br>0.5 mV<br>60 dB<br>45<br>8 to 16 ohms<br>16 ohms |
| Input sensitivity/Impedance<br>PHONO<br>CD, TAPE<br>Output level/Impedance<br>TAPE<br>Frequency response<br>PHONO (RIAA)<br>CD, TAPE<br>Graphic equalizer<br>Center frequency<br>Control range<br>PHONO max. input level                                                                                              | 2.5 mV/47 kohms<br>150 mV/47 kohms<br>150 mV/1 kohms<br>±0.5 dB<br>5 Hz to 100 kHz (—3 dB)<br>63 Hz/250 Hz/1 kHz/4 kHz/<br>16 kHz<br>±10 dB<br>120 mV                             | 2.5 mV/47 kohms<br>150 mV/47 kohms<br>150 mV/1 kohms<br>±0.5 dB<br>5 Hz to 100 kHz (—3 dB)<br>63 Hz/250 Hz/1 kHz/4 kHz/<br>16 kHz<br>±10 dB<br>120 mV                                        |
| Power requirements                                                                                                                                                                                                                                                                                                    | 120 V, 60 Hz for USA and Canada<br>220 V, 50 Hz for Europe except UK<br>240 V, 50 Hz for UK and Australia<br>110 V/120 V/220 V/240 V, 50 Hz/60 Hz convertible for other countries |                                                                                                                                                                                              |
| Dimensions                                                                                                                                                                                                                                                                                                            | 440 (W) × 100 (H) × 250 (D) mm<br>(17.3 × 3.9 × 9.8 inches)                                                                                                                       | 440 (W) × 100 (H) × 250 (D) mm<br>(17.3 × 3.9 × 9.8 inches)                                                                                                                                  |
| Weight                                                                                                                                                                                                                                                                                                                | 7.3 kg (16.1 lbs)                                                                                                                                                                 | 6.8 kg (15.0 lbs)                                                                                                                                                                            |

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

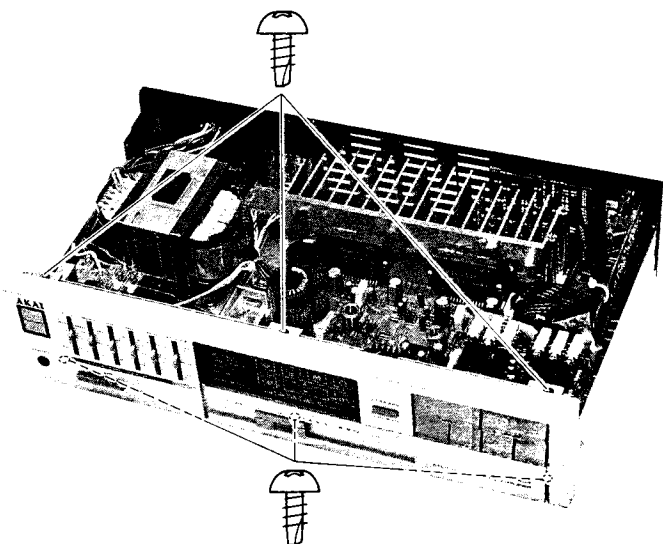
## II. DISMANTLING OF UNIT

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

### 1. UPPER COVER



### 2. FRONT PANEL



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### III. CONTROLS

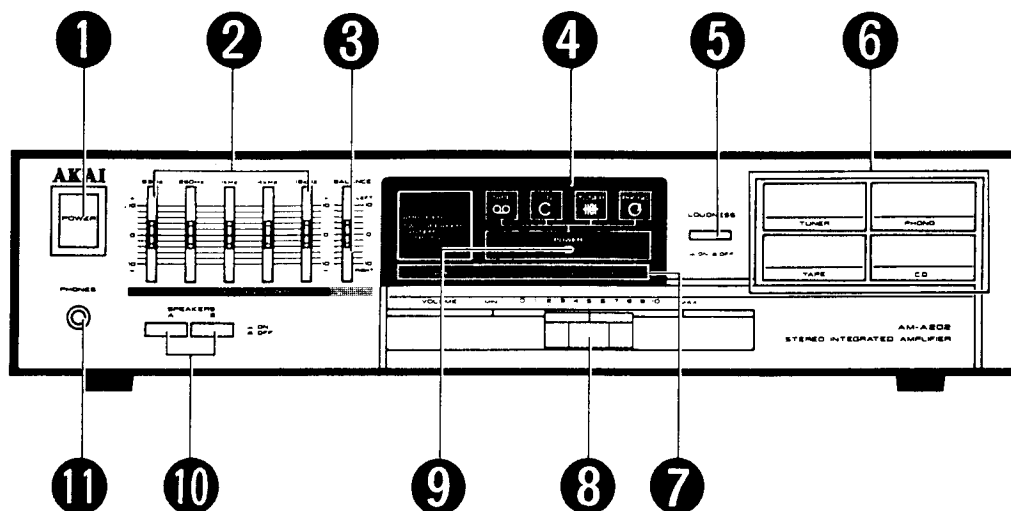


Fig. 3-1 Controls for Models AM-A102, AM-A202

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>1 POWER switch</b><br/>To turn on and off the Akai amplifier.</p> <p><b>2 GRAPHIC EQUALIZER controls</b><br/>To finely adjust the frequency levels between a range of 63 Hz to 16 kHz, during playback operations.</p> <p><b>3 BALANCE control</b><br/>To adjust the left and right channel balance.</p> <p><b>4 INPUT SELECTOR Indicators</b><br/>Shows which input source has been selected.</p> <p><b>5 LOUDNESS switch</b><br/>For instant compensation of the tone setting at low volume.</p> | <p><b>6 Input source selectors</b><br/>To select audio source you want to listen to.</p> <p><b>7 TAPE MONITOR indicators</b><br/>Shows which equipment is being monitored.</p> <p><b>8 VOLUME control</b><br/>To adjust the volume level.</p> <p><b>9 POWER Indicator</b><br/>Indicates when the power is turned on.</p> <p><b>10 SPEAKERS Selectors (A and B)</b><br/>To select the speaker system.</p> <p><b>11 Headphones (PHONES) jack</b><br/>For headphone listening.</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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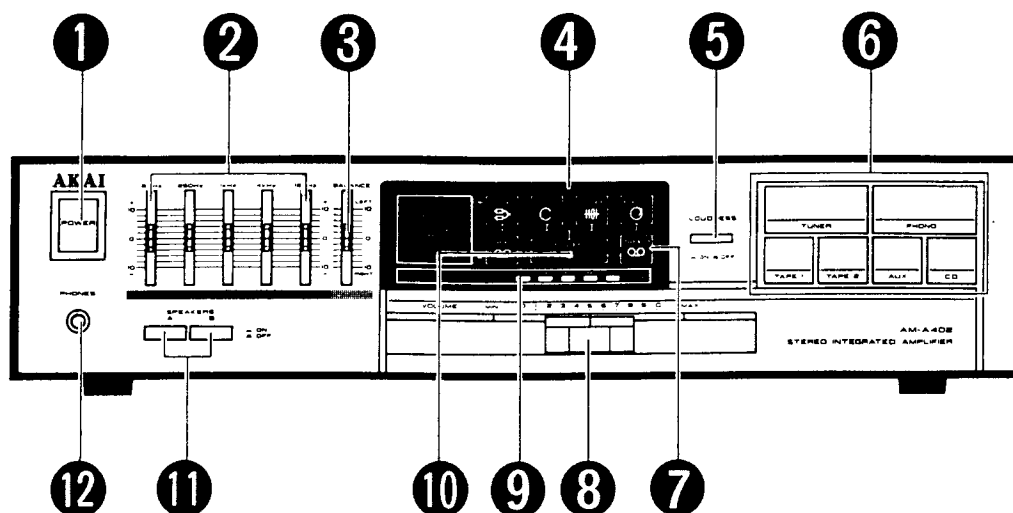


Fig. 3-2 Controls for Models AM-A302, AM-A402

- 1 POWER switch**  
To turn on and off the Akai amplifier.
- 2 GRAPHIC EQUALIZER controls**  
To finely adjust the frequency levels between a range of 63 Hz to 16 kHz, during playback operations.
- 3 BALANCE control**  
To adjust the left and right channel balance.
- 4 INPUT SELECTOR Indicators**  
Shows which input source has been selected.
- 5 LOUDNESS switch**  
For instant compensation of the tone setting at low volume.
- 6 Input source selectors**  
To select audio source you want to listen to.
- 7 TAPE MONITOR indicators**  
Shows which equipment is being monitored.
- 8 VOLUME control**  
To adjust the volume level.
- 9 LED LEVEL meter**  
Indicates both the left and right channel sound volume level.
- 10 POWER Indicator**  
Indicates when the power is turned on.
- 11 SPEAKERS Selectors (A and B)**  
To select the speaker system.
- 12 Headphones (PHONES) jack**  
For headphone listening.

#### Protection circuit

When the Akai amplifier is turned on, no signal will be output to the speakers for a few seconds. This is due to the protection circuit which prevents output of noise when the Akai amplifier is turned on.

The protection circuit also functions during playback to protect the speakers from overloading, and to protect the circuit from damages. When speakers with less than rated impedance are used, the protection circuit will short-circuit the  $\oplus$  and  $\ominus$  speaker cords. Therefore, should the sound be cut during playback:

- 1 Turn off the Akai amplifier.
- 2 Check for and correct the cause.
- 3 Turn on the Akai amplifier.

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## IV. PRINCIPAL PARTS LOCATION

### 4-1. Model AM-A102, AM-A202

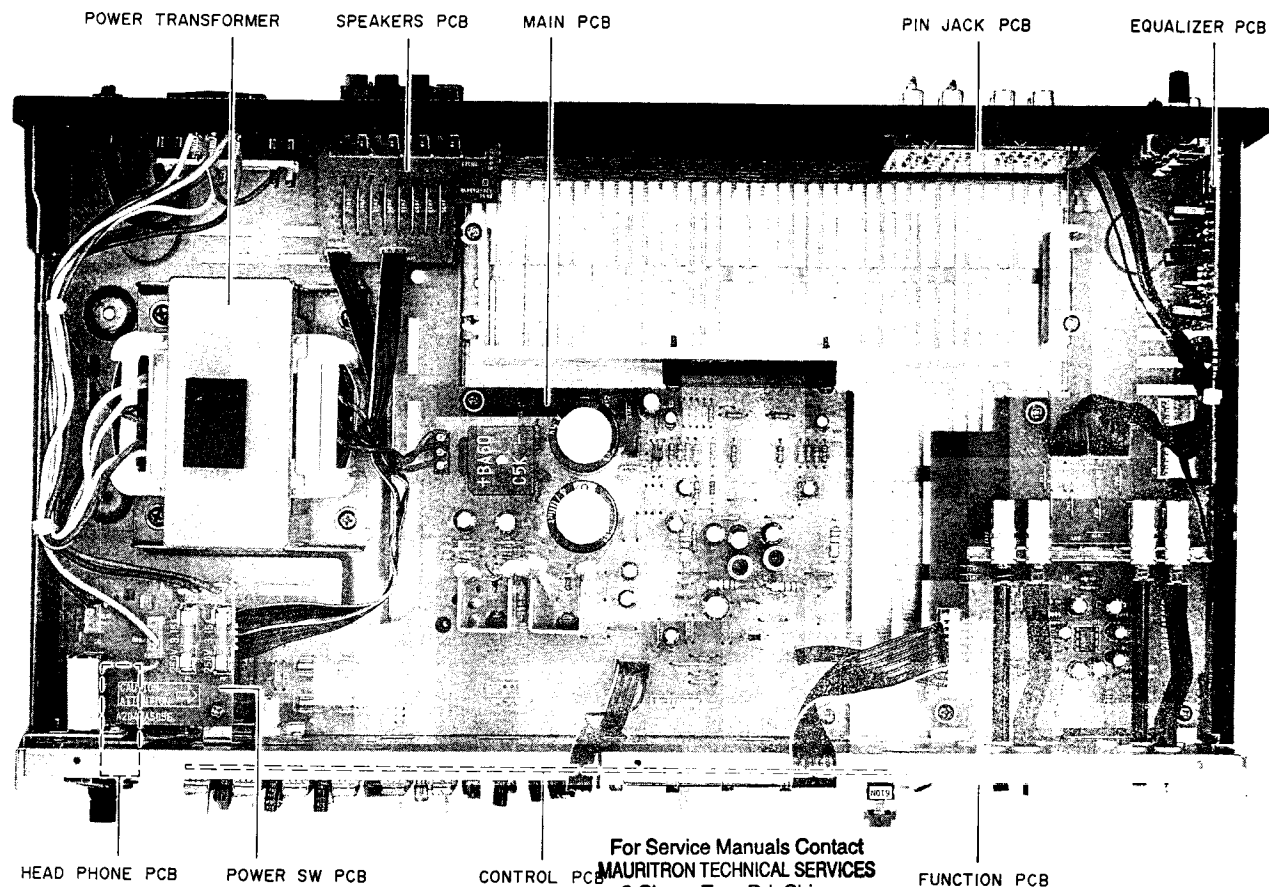


Fig. 4-1

### 4-2. Model AM-A302, AM-A402

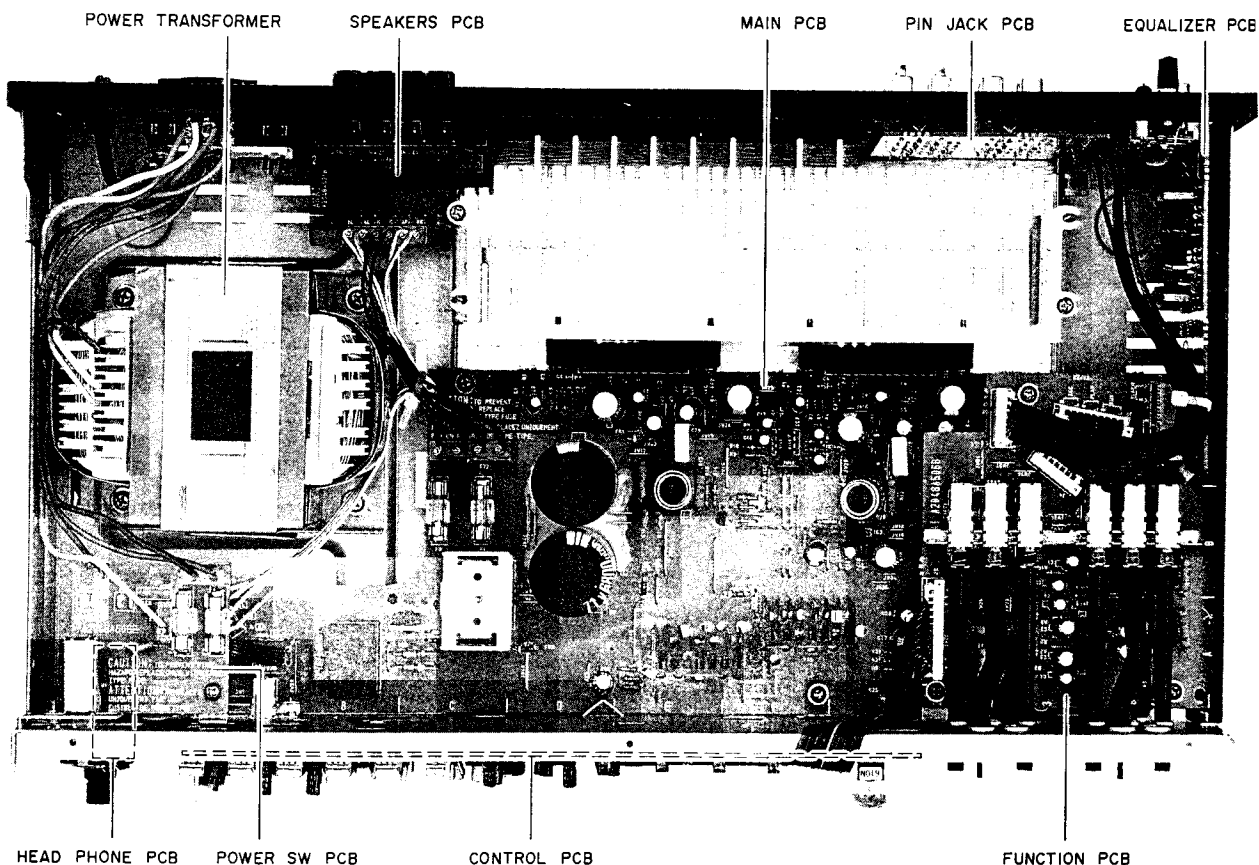


Fig. 4-2

## V. ADJUSTMENT

### 5-1. LEVEL METER SENSITIVITY ADJUSTMENT (AM-A302, AM-A402 Model only)

This adjustment is not necessary if the level meter shows no levels with no signal input.

However if the level meter shows some levels in spite of no signal input, adjust VR8 to the point where the first LED (D1) is extinguished.

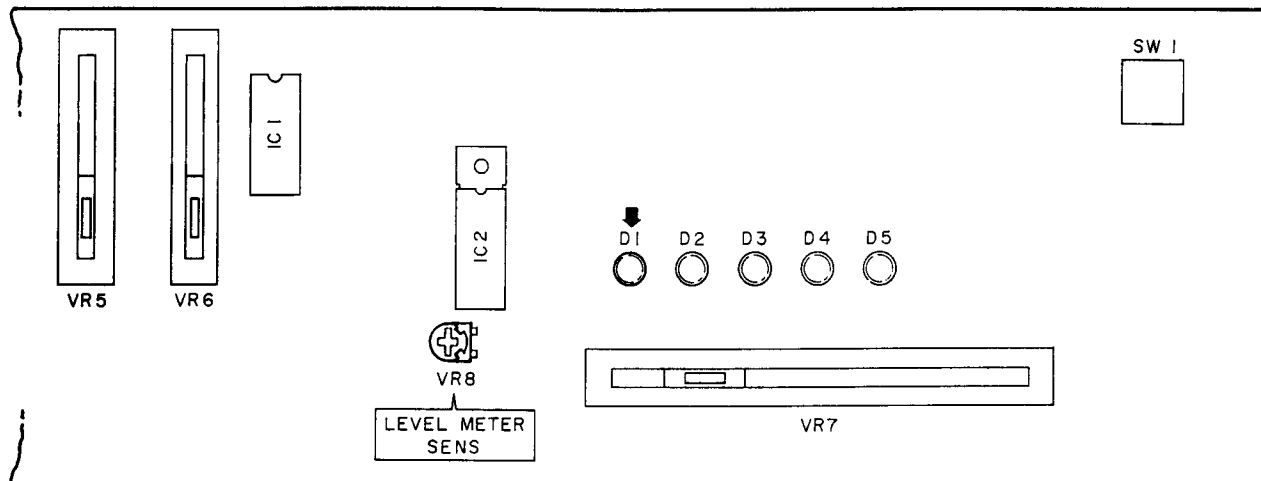


Fig. 5-1 Adjustment point of CONTROL PCB

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Email: [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)

## 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        |
|----------|---------------|--------------------|
| 2-1x     | BH-T2023A320A | HEAD BASE BLOCK    |
| 2-2      | HP-H2206A010A | HEAD R/P PR4-8FU C |
| 2-3      | ZS-477876     | PAN20x03STL CMT    |
| 2-4      | ZS-536488     | BID20x08STL CMT    |
| 2-5      | ZG-402895     | SP CS ANGLE ADJUST |

SP (Service Parts) Classification

A small "x" indicates that this part is not shown in the Photo or Illustration.

This number corresponds with the individual parts index number in that figure.

This number corresponds with the Figure Number.

#### b) PC Board

#### 6. MAIN PC BOARD

| REF. NO. | PART NO.  | DESCRIPTION                  |
|----------|-----------|------------------------------|
| 6-IC1    | EI-324536 | IC HD14049BP                 |
| 6-IC2    | EI-336801 | IC MB8841-564M               |
| 6-C1A    | EC-338399 | C MMY V 223M 250AC [U,E,B,S] |
| 6-C1B    | EC-350949 | C MMY V 223M 250DC [J]       |
| 6-C1C    | EC-338397 | C MMY V 223M 125AC [C,A]     |
| 6-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 Area)  
[C]: CSA(Canada) [V]: VDE(W. Germany)  
[E]: CEE(Europe) [Y]: Custom Version  
[J]: JPN(Japan)

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

## RECOMMENDED SPARE PARTS LIST

Because, if the parts listed below are on hand, almost any repair can be accomplished, we suggest that you stock these Recommended Spare Parts Items.

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| REF. NO. | PART NO.    | DESCRIPTION                                         | REF. NO. | PART NO.    | DESCRIPTION                                        |
|----------|-------------|-----------------------------------------------------|----------|-------------|----------------------------------------------------|
| 1        | BT-352430   | △ TRANS POWER AM-A1T-40 [E]<br>(AM-A102)            | 42       | EF-311839   | △ FUSE TSC A 250V 1.60A (AM-A102)<br>[U]           |
| 2        | BT-352431   | △ TRANS POWER AM-A1T-50 [B,S]<br>(AM-A102)          | 43       | EF-326639   | △ FUSE TSC A 250V 3.15A (AM-A102,<br>202, 302) [U] |
| 3        | BT-352426   | △ TRANS POWER AM-A1T-70 [U]<br>(AM-A102)            | 44       | EF-306952   | △ FUSE TSC A 250V 4.00A (AM-A202,<br>402) [U]      |
| 4        | BT-358520   | △ TRANS POWER AM-A201-40 [E]<br>(AM-A202)           | 45       | EF-341260   | △ FUSE TSC A 250V 8.00A (AM-A302,<br>402) [U]      |
| 5        | BT-358521   | △ TRANS POWER AM-A201-50 [B,S]<br>(AM-A202)         | 46       | EF-323080   | △ FUSE TSC 125V 3.15A (AM-A202)<br>[C,A]           |
| 6        | BT-358517   | △ TRANS POWER AM-A201-70 [U]<br>(AM-A202)           | 47       | EF-306957   | △ FUSE TSC 125V 4.00A (AM-A202)<br>[C,A]           |
| 7        | N BT-364155 | △ TRANS POWER AM-A202-20 [A]<br>(AM-A202)           | 48       | EF-346139   | △ FUSE TSC 125V 5.00A (AM-A302)<br>[C,A]           |
| 8        | N BT-364154 | △ TRANS POWER AM-A202-30 [C]<br>(AM-A202)           | 49       | EF-346115   | △ FUSE TSC 125V 6.30A (AM-A402)<br>[C,A]           |
| 9        | BT-358549   | △ TRANS POWER AM-A301-40 [E,V]<br>(AM-A302)         | 50       | EF-345658   | △ FUSE TSC 125V 8.00A (AM-A302,<br>402) [C,A]      |
| 10       | BT-358550   | △ TRANS POWER AM-A301-50 [B,S]<br>(AM-A302)         | 51       | N EI-366366 | △ IC STK4038II (AM-A302)<br>[U,E,V,B,S]            |
| 11       | BT-358545   | △ TRANS POWER AM-A301-70 [U]<br>(AM-A302)           | 52       | N EI-364646 | △ IC STK4044II (AM-A402)                           |
| 12       | N BT-364552 | △ TRANS POWER AM-A302T-20<br>[C,A] (AM-A302)        | 53       | N EI-364549 | △ IC STK4042II (AM-A302) [C,A]                     |
| 13       | N BT-364649 | △ TRANS POWER AM-A402T-20<br>[C,A] (AM-A402)        | 54       | EI-352644   | △ IC STK4141II (AM-A102)                           |
| 14       | N BT-364650 | △ TRANS POWER AM-A402T-40 [E]<br>(AM-A402)          | 55       | EI-358554   | △ IC STK4152II (AM-A202)<br>[U,E,V,B,S]            |
| 15       | N BT-364651 | △ TRANS POWER AM-A402T-50 [S]<br>(AM-A402)          | 56       | EI-364171   | △ IC STK4171II (AM-A202) [C,A]                     |
| 16       | N BT-364647 | △ TRANS POWER AM-A402T-70 [U]<br>(AM-A402)          | 57       | EI-358562   | IC LB1416 (AM-A302, 402)                           |
| 17       | N BT-370321 | △ TRANS POWER A2047-V [V]<br>(AM-A202)              | 58       | EI-337228   | IC M5218L (AM-A302, 402)                           |
| 18       | ED-354114   | D LED BR-5507S RED                                  | 59       | EI-349719   | IC M5218P                                          |
| 19       | N ED-361885 | D LED SLP284C-51U GREEN                             | 60       | EI-344764   | IC M5218P-21                                       |
| 20       | N ED-361803 | D LED SLP484C-51 YELLOW                             | 61       | EI-355211   | IC M5227P                                          |
| 21       | ED-200213   | D SILICON DBA40C-K15 200/2.6A<br>(AM-A102)          | 62       | EI-354080   | IC µPC1237H (AM-A302, 402)                         |
| 22       | ED-200749   | D SILICON DBA60-K15 400/6.0A<br>(AM-A302, 402)      | 63       | EQ-337159   | △ RELAY POWER G4Z-2282P 2NO<br>24V (AM-A302, 402)  |
| 23       | ED-350748   | D SILICON DBA60C-K15 (AM-A202)                      | 64       | ER-345466   | △ R CT P F09 PLATE 5W R22K<br>(AM-A302, 402)       |
| 24       | ED-348990   | D SILICON H DS446<br>(AM-A302, 402)                 | 65       | ER-345751   | △ R FUSE ERD2FC S10 1/4W 15R0G                     |
| 25       | ED-301911   | D SILICON H DS448                                   | 66       | ER-328278   | △ R FUSE ERD2FC 1/4W 10R0G<br>(AM-A102, 202)       |
| 26       | ED-306320   | D ZENER H HZ15 2 (AM-A102, 202)                     | 67       | ER-200746   | △ R FUSE ERD2FC 1/4W 1000G                         |
| 27       | ED-313846   | D ZENER H HZ16 3 (AM-A302, 402)                     | 68       | ES-361970   | △ SW PUSH SDDLBI 01-1<br>(AM-A302, 402)            |
| 28       | ED-322046   | D ZENER H HZ18 1 (AM-A302, 402)                     | 69       | ES-337902   | △ SW PUSH SDDLIP 01-1<br>(AM-A102, 202)            |
| 29       | ED-329056   | D ZENER H HZ22 2 (AM-A102, 202)                     | 70       | ES-349070   | △ SW SELECTOR YKS11-0002 02-4<br>[U]               |
| 30       | ED-346627   | D ZENER H HZ33 2 (AM-A302, 402)                     | 71       | ES-358556   | SW PUSH ESB-621519 2 THROW<br>(AM-A302, 402)       |
| 31       | EF-359007   | △ FUSE BET T 1.25A 250V (AM-A102,<br>202) [B]       | 72       | ES-359963   | SW PUSH ESB-621566 2 THROW<br>(AM-A102, 202)       |
| 32       | EF-355398   | △ FUSE BET T 2.00A 250V (AM-A302)<br>[B]            | 73       | ES-358537   | SW PUSH ESB-62968 4 THROW<br>(AM-A102, 202)        |
| 33       | EF-364518   | △ FUSE BET T 2.50A 250V (AM-A102)<br>[B]            | 74       | ES-358564   | SW PUSH ESB-62969 6 THROW<br>(AM-A302, 402)        |
| 34       | EF-359225   | △ FUSE BET T 3.15A 250V (AM-A202)<br>[B]            | 75       | N ES-364176 | SW PUSH SPFH11 2-02-02N                            |
| 35       | EF-355399   | △ FUSE BET T 5.00A 250V (AM-A302)<br>[B]            | 76       | ET-347026   | △ TR 2SB507HP E,F (AM-A302, 402)                   |
| 36       | EF-602550   | △ FUSE SEMKO T 1.25A 250V<br>(AM-A102, 202) [E,V,S] | 77       | ET-344176   | △ TR 2SD313HP F (AM-A302, 402)                     |
| 37       | EF-601301   | △ FUSE SEMKO T 2.00A 250V<br>(AM-A302) [E,V,S]      | 78       | ET-363953   | TR DTA114TS (AM-A102, 202)                         |
| 38       | EF-623125   | △ FUSE SEMKO T 2.50A 250V<br>(AM-A102) [E,S]        | 79       | ET-353899   | TR 2SA1317 S,T,U (AM-A302, 402)                    |
| 39       | EF-691007   | △ FUSE SEMKO T 3.15A 250V<br>(AM-A202, 402) [E,S,V] | 80       | ET-305463   | TR 2SA970 GR,BL (AM-A302, 402)                     |
| 40       | EF-249851   | △ FUSE SEMKO T 5.00A 250V<br>(AM-A302) [E,V,S]      | 81       | ET-322598   | TR 2SB632K E,F (AM-A102, 202)                      |
| 41       | EF-242605   | △ FUSE SEMKO T 6.30A 250V<br>(AM-A402) [E,S]        | 82       | ET-307195   | TR 2SC2240 GR,BL (AM-A302, 402)                    |
|          |             |                                                     | 83       | ET-360067   | TR 2SC3330 T,U F05 (AM-A302, 402)                  |
|          |             |                                                     | 84       | ET-310148   | TR 2SD612K E,F (AM-A102, 202)                      |
|          |             |                                                     | 85       | N EV-363157 | R S-FIX R RH0615CN4J 3P 333<br>(AM-A302, 402)      |
|          |             |                                                     | 86       | N EV-364175 | VR SLIDE 25PISV W105                               |
|          |             |                                                     | 87       | N EV-364174 | VR SLIDE 25P2SVOA W104                             |
|          |             |                                                     | 88       | EV-358563   | VR SLIDE 60P2SVOM B254                             |

NOTE:  
N: New Parts

## 1. PC BOARD BLOCK (AM-A102)

| REF. NO. | PART NO.      | DESCRIPTION                    |
|----------|---------------|--------------------------------|
| 1-1A     | BA-A2047A030E | PC MAIN BLK AM-A102 [U]        |
| 1-1B     | BA-A2047A030F | PC MAIN BLK AM-A102 [E,S,B]    |
| 1-2A     | BA-A2047A020E | PC CONTROL BLK AM-A102 [U]     |
| 1-2B     | BA-A2047A020C | PC CONTROL BLK AM-A202 [E,S,B] |

## 1. PC BOARD BLOCK (AM-A202)

| REF. NO. | PART NO.      | DESCRIPTION                    |
|----------|---------------|--------------------------------|
| 1-1A     | BA-A2047A030A | PC MAIN BLK AM-A202 [U]        |
| 1-1B     | BA-A2047A030B | PC MAIN BLK AM-A202 [C,A]      |
| 1-1C     | BA-A2047A030C | PC MAIN BLK AM-A202 [E,B,S]    |
| 1-1D     | BA-A2047A030D | PC MAIN BLK AM-A202 [V]        |
| 1-2A     | BA-A2047A020A | PC CONTROL BLK AM-A202 [U]     |
| 1-2B     | BA-A2047A020B | PC CONTROL BLK AM-A202 [C,A]   |
| 1-2C     | BA-A2047A020C | PC CONTROL BLK AM-A202 [E,S,B] |
| 1-2D     | BA-A2047A020D | PC CONTROL BLK AM-A202 [V]     |

## 1. PC BOARD BLOCK (AM-A302)

| REF. NO. | PART NO.      | DESCRIPTION                    |
|----------|---------------|--------------------------------|
| 1-1A     | BA-A2048A020A | PC MAIN BLK AM-A302 [U]        |
| 1-1B     | BA-A2048A020B | PC MAIN BLK AM-A302 [C,A]      |
| 1-1C     | BA-A2048A020C | PC MAIN BLK AM-A302 [E,B,S]    |
| 1-1D     | BA-A2048A020D | PC MAIN BLK AM-A302 [V]        |
| 1-2A     | BA-A2048A030A | PC CONTROL BLK AM-A302 [U]     |
| 1-2B     | BA-A2048A030B | PC CONTROL BLK AM-A302 [C,A]   |
| 1-2C     | BA-A2048A030C | PC CONTROL BLK AM-A302 [E,B,S] |
| 1-2D     | BA-A2048A030D | PC CONTROL BLK AM-A302 [V]     |

## 1. PC BOARD BLOCK (AM-A402)

| REF. NO. | PART NO.      | DESCRIPTION                  |
|----------|---------------|------------------------------|
| 1-1A     | BA-A2048A020E | PC MAIN BLK AM-A402 [U]      |
| 1-1B     | BA-A2048A020F | PC MAIN BLK AM-A402 [C,A]    |
| 1-1C     | BA-A2048A020G | PC MAIN BLK AM-A402 [E,S]    |
| 1-2A     | BA-A2048A030E | PC CONTROL BLK AM-A402 [U]   |
| 1-2B     | BA-A2048A030F | PC CONTROL BLK AM-A402 [C,A] |
| 1-2C     | BA-A2048A030G | PC CONTROL BLK AM-A402 [E,S] |

### NOTE:

(1) PC MAIN BLK consists of following PC BOARDS.

- MAIN PC BOARDS
- SPEAKERS PC BOARD
- HEADPHONE PC BOARD
- FILTER PC BOARD (AM-A202 [V], AM-A302 [V] ONLY)

(2) PC CONTROL BLK consists of following PC BOARDS.

- CONTROL PC BOARD
- FUNCTION PC BOARD
- EQUALIZER PC BOARD
- PIN J PC BOARD
- POWER SW PC BOARD

## 2. MAIN PC BOARD (AM-A102, 202)

| REF. NO.  | PART NO.  | DESCRIPTION                                  |
|-----------|-----------|----------------------------------------------|
| 2-C13     | EC-352643 | C EC V 472M 40DC (AM-A102)                   |
| 2-C13A    | EC-358538 | C EC V CUT 472M 45.0DC (AM-A202 [U,E,V,B,S]) |
| 2-C13B    | EC-361665 | C EC V CUT 472M 50.0DC (AM-A202 [C,A])       |
| 2-C16     | EC-352643 | C EC V 472M 40DC                             |
| 2-C16A    | EC-358538 | C EC V CUT 472M 45.0DC [U,E,V,B,S]           |
| 2-C16B    | EC-361665 | C EC V CUT 472M 50.0DC [C,A]                 |
| 2-C19     | EC-326583 | C MMY V CUT CF921 473K 400DC                 |
| 2-D1      | ED-301911 | △ D SILICON H DS448                          |
| 2-D2      | ED-329056 | △ D ZENER H HZ22 2                           |
| 2-D3      | ED-306320 | △ D ZENER H HZ15 2                           |
| 2-D4      | ED-306320 | △ D ZENER H HZ15 2                           |
| 2-D5      | ED-200213 | △ D SILICON DBA40C-K15 200/2.6A (AM-A102)    |
| 2-D5      | ED-350748 | △ D SILICON DBA60C-K15 (AM-A202)             |
| 2-D6      | ED-306320 | D ZENER H HZ15 2                             |
| 2-FR1     | ER-328278 | △ R FUSE ERD2FC 1/4W 10R0G                   |
| 2-FR2     | ER-200746 | △ R FUSE ERD2FC 1/4W 1000G                   |
| 2-FR3     | ER-328278 | △ R FUSE ERD2FC 1/4W 10R0G                   |
| 2-FR4     | ER-328278 | △ R FUSE ERD2FC 1/4W 10R0G                   |
| 2-L1      | EO-337880 | COIL FIX 2 202AK-018 2R2K                    |
| 2-R7      | ER-325269 | △ R CB H S10 FS RDS 1/4W 222J                |
| 2-R9      | ER-333355 | △ R CB H S10 FS RDS 1/4W 103J                |
| 2-R10, 11 | ER-308875 | △ R CB H S15 FS RDS 1/2W 100J (AM-A102)      |
| 2-R10, 11 | ER-341940 | △ R OMF H S15 FS 1W 100J (AM-A202)           |
| 2-R12     | ER-341331 | △ R OMF H S15 FS 1W 181J (AM-A102)           |
| 2-R12     | ER-305722 | △ R OMF H S20 FS 2W 221J (AM-A202)           |
| 2-R15     | ER-328082 | △ R CB H S10 FS RDS 1/4W 332J                |
| 2-R17, 21 | ER-328082 | △ R CB H S10 FS RDS 1/4W 332J [U,E,V,B,S]    |
| 2-R18, 22 | ER-323074 | △ R CB H S10 FS RDS 1/4W 102J [U,E,V,B,S]    |
| 2-R19     | ER-318430 | △ R OMF H S15 FS 1W 102J                     |
| 2-SW2     | ES-359963 | SW PUSH ESB-621566 2 THROW                   |
| 2-TR1     | ET-310148 | △ TR 2SD612K E,F                             |
| 2-TR2     | ET-322598 | △ TR 2SB632K E,F                             |
| 2-TR3     | ET-363953 | △ TR DTA114TS                                |
| 2-F3A, 4A | EF-326639 | △ FUSE TSC A 250V 3.15A (AM-A102 [U])        |
| 2-F3B, 4B | EF-623125 | △ FUSE SEMKO T 2.50A 250V (AM-A102 [E,S])    |
| 2-F3C, 4C | EF-364518 | △ FUSE BET T 2.50A 250V (AM-A102 [B])        |
| 2-F3A, 4A | EF-306952 | △ FUSE TSC A 250V 4.00A (AM-A202 [U])        |
| 2-F3B, 4B | EF-306957 | △ FUSE TSC 125V 4.00A (AM-A202 [C,A])        |
| 2-F3C, 4C | EF-691007 | △ FUSE SEMKO T 3.15A 250V (AM-A202 [E,V,S])  |
| 2-F3D, 4D | EF-359225 | △ FUSE BET T 3.15A 250V (AM-A202 [B])        |

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## 2. MAIN PC BOARD (AM-A302, 402)

| REF. NO.    | PART NO.  | DESCRIPTION                                           |
|-------------|-----------|-------------------------------------------------------|
| 2-C10, 11   | EC-201627 | C EC V F05 SM 100M 100DC<br>(AM-A402)                 |
| 2-C13, 14   | EC-325320 | C EC V F05 NP AWA 2R2M 50DC                           |
| 2-C18       | EC-334005 | C EC V CUT NP SM 331M 10DC<br>(AM-A402)               |
| 2-C18       | EC-334005 | C EC V CUT NP SM 331M 10DC                            |
| 2-C22       | EC-326583 | △ C MMY V CUT CF921 473K<br>400DC                     |
| 2-C23, 26   | EC-358559 | C EC V CUT SM 682M 55.0DC<br>(AM-A302 [U,E,V,B,S])    |
| 2-C23A, 26A | EC-360273 | C EC V CUT SM 682M 71.0DC<br>(AM-A302 [C,A], AM-A402) |
| 2-D1 to 4   | ED-348990 | D SILICON H DS446                                     |
| 2-D5        | ED-346627 | △ D ZENER H HZ33 2                                    |
| 2-D6        | ED-200749 | △ D SILICON DBA60-K15<br>400/6.0A                     |
| 2-D7, 8     | ED-322046 | △ D ZENER H HZ18 1                                    |
| 2-D9        | ED-301911 | D SILICON H DS448                                     |
| 2-FR1, 2    | ER-200746 | △ R FUSE ERD2FC 1/4W 1000G                            |
| 2-FR3 to 5  | ER-345751 | △ R FUSE ERD2FC S10 1/4W<br>15R0G                     |
| 2-IC2       | EI-349719 | IC M5218P                                             |
| 2-IC3       | EI-354080 | IC µPC1237H                                           |
| 2-L1        | EO-332116 | COIL FIX 2 103AK-006A 2R2K                            |
| 2-RL1       | EQ-337159 | △ RELAY POWER G4Z-2282P<br>2N0 24V                    |
| 2-R11       | ER-345466 | △ R CT P F09 PLATE 5W R22K                            |
| 2-R12       | ER-341940 | △ R OMF H S15 FS 1W 100J<br>(AM-A302)                 |
| 2-R12       | ER-333023 | △ R OMF H S20 FS 2W 100J<br>(AM-A402)                 |
| 2-R13       | ER-341940 | △ R OMF H S15 FS 1W 100J<br>(AM-A302)                 |
| 2-R13       | ER-333023 | △ R OMF H S20 FS 2W 100J<br>(AM-A402)                 |
| 2-R25       | ER-333663 | △ R CB H S15 FS RDS 1/2W 391J                         |
| 2-R26       | ER-306128 | △ R CB H S15 FS RDS 1/2W 103J                         |
| 2-R27       | ER-333102 | △ R OMF H S20 FS 2W 431J                              |
| 2-SW1       | ES-358556 | SW PUSH ESB-621519 2 THROW                            |
| 2-TR1       | ET-307195 | TR 2SC2240 GR,BL                                      |
| 2-TR2       | ET-305463 | TR 2SA970 GR,BL                                       |
| 2-TR3, 4    | ET-344176 | △ TR 2SD313HP F                                       |
| 2-TR5       | ET-347026 | △ TR 2SB507HP E,F                                     |
| 2-TR6       | ET-360067 | TR 2SC3330 T,U F05                                    |
| 2-F3A, 4A   | EF-341260 | △ FUSE TSC A 250V 8.00A [U]                           |
| 2-F3B, 4B   | EF-345658 | △ FUSE TSC 125V 8.00A [C,A]                           |
| 2-F3C, F4C  | EF-249851 | △ FUSE SEMKO T 5.00A 250V<br>(AM-A302 [E,V,S])        |
| 2-F3C, 4C   | EF-242605 | △ FUSE SEMKO T 6.30A 250V<br>(AM-A402 [E,S])          |
| 2-F3D, 4D   | EF-355399 | △ FUSE BET T 5.00A 250V<br>(AM-A302 [B])              |

## 3. CONTROL PC BOARD (AM-A102, 202)

| REF. NO.   | PART NO.  | DESCRIPTION                 |
|------------|-----------|-----------------------------|
| 3-D1       | ED-354114 | D LED BR-5507S RED          |
| 3-D2       | ED-361803 | D LED SLP484C-51U YELLOW    |
| 3-D3 to 5  | ED-361885 | D LED SLP284C-51U GREEN     |
| 3-IC1      | EI-355211 | IC M5227P                   |
| 3-R8, 9    | ER-333598 | R CB H S15 FS RDS 1/2W 102J |
| 3-R10, 11  | ER-306805 | R CB H S15 FS RDS 1/2W 101J |
| 3-SW1      | ES-364176 | SW PUSH SPPH11 2-02-02N     |
| 3-VR1 to 5 | EV-364174 | VR SLIDE 25P2SVOA W104      |
| 3-VR6      | EV-364175 | VR SLIDE 25P1SV W105        |
| 3-VR7      | EV-358563 | VR SLIDE 60P2SVOM B254      |

## 3. CONTROL PC BOARD (AM-A302, 402)

| REF. NO.    | PART NO.  | DESCRIPTION                   |
|-------------|-----------|-------------------------------|
| 3-D1 to 3   | ED-361885 | D LED SLP284C-51U GREEN       |
| 3-D4, 5, 12 | ED-354114 | D LED BR-5507S RED            |
| 3-D6 to 9   | ED-361885 | D LED SLP284C-51U GREEN       |
| 3-D10, 11   | ED-361803 | D LED SLP484C-51U YELLOW      |
| 3-D13       | ED-313846 | D ZENER H HZ16 3              |
| 3-IC1       | EI-355211 | IC M5227P                     |
| 3-IC2       | EI-358562 | IC LB1416                     |
| 3-R15, 16   | ER-333692 | △ R CB H S15 FS RDS 1/2W 750J |
| 3-R23       | ER-333639 | △ R CB H S15 FS RDS 1/2W 242J |
| 3-R24 to 27 | ER-333680 | △ R CB H S15 FS RDS 1/2W 560J |
| 3-SW1       | ES-364176 | SW PUSH SPPH11 2-02-02N       |
| 3-TR1       | ET-360067 | TR 2SC3330 T,U F05            |
| 3-TR2       | ET-353899 | TR 2SA1317 S,T,U              |
| 3-VR1 to 5  | EV-364174 | VR SLIDE 25P2SVOA W104        |
| 3-VR6       | EV-364175 | VR SLIDE 25P1SV W105          |
| 3-VR7       | EV-358563 | VR SLIDE 60P2SVOM B254        |
| 3-VR8       | EV-363157 | R S-FIX H RH0615CN4J 3P 333   |

## 4. FUNCTION PC BOARD (AM-A102, 202)

| REF. NO. | PART NO.  | DESCRIPTION                 |
|----------|-----------|-----------------------------|
| 4-IC1    | EI-349719 | IC M5218P                   |
| 4-R5, 6  | ER-333616 | R CB H S15 FS RDS 1/2W 151J |
| 4-SW1    | ES-358537 | SW PUSH ESB-62968 4 THROW   |

## 4. FUNCTION PC BOARD (AM-A302, 402)

| REF. NO.   | PART NO.  | DESCRIPTION                         |
|------------|-----------|-------------------------------------|
| 4-IC1      | EI-337228 | IC M5218L                           |
| 4-R5, 6    | ER-324935 | R CB H S15 FS RDS 1/2W 181J         |
| 4-R7 to 12 | ER-318430 | R OMF H S15 FS 1W 102J<br>(AM-A302) |
| 4-R7 to 12 | ER-324670 | R OMF H S20 FS 2W 102J<br>(AM-A402) |
| 4-SW1      | ES-358564 | SW PUSH ESB-62969 6 THROW           |

## 5. EQUALIZER PC BOARD

| REF. NO. | PART NO.  | DESCRIPTION                                   |
|----------|-----------|-----------------------------------------------|
| 5-IC1    | EI-344764 | IC M5218P-21                                  |
| 5-P1     | EJ-336904 | PIN J AJC-036-ACB P 6P                        |
| 5-R9, 10 | ER-333616 | R CB H S15 FS RDS 1/2W 151J<br>(AM-A102, 202) |
| 5-R9, 10 | ER-324935 | R CB H S15 FS RDS 1/2W 181J<br>(AM-A302, 402) |

## 6. PIN J PC BOARD

| REF. NO. | PART NO.  | DESCRIPTION                              |
|----------|-----------|------------------------------------------|
| 6-P1, 2  | EJ-343365 | PIN J YMC21-0063 P 4P                    |
| 6-P3     | EJ-364546 | PIN J YKC21-0070A P 2P<br>(AM-A102, 202) |
| 6-P3, 4  | EJ-343365 | PIN J YMC21-0063 P 4P<br>(AM-A302, 402)  |

## 7. SPEAKERS PC BOARD

| REF. NO. | PART NO.  | DESCRIPTION               |
|----------|-----------|---------------------------|
| 7-TM902  | EJ-349401 | TERMINAL LEVER YKD21-0027 |

8P

## 8. HEAD PHONE PC BOARD

| REF.<br>NO. | PART NO.  | DESCRIPTION                                           |
|-------------|-----------|-------------------------------------------------------|
| 8-J1        | EJ-358535 | PHONE J 3P M1669-ACCB 6.3                             |
| 8-L1        | EO-336934 | COIL FIX 1 LAL03KH 2R2M<br>(AM-A202 [V], AM-A302 [V]) |

## 9. POWER SW PC BOARD

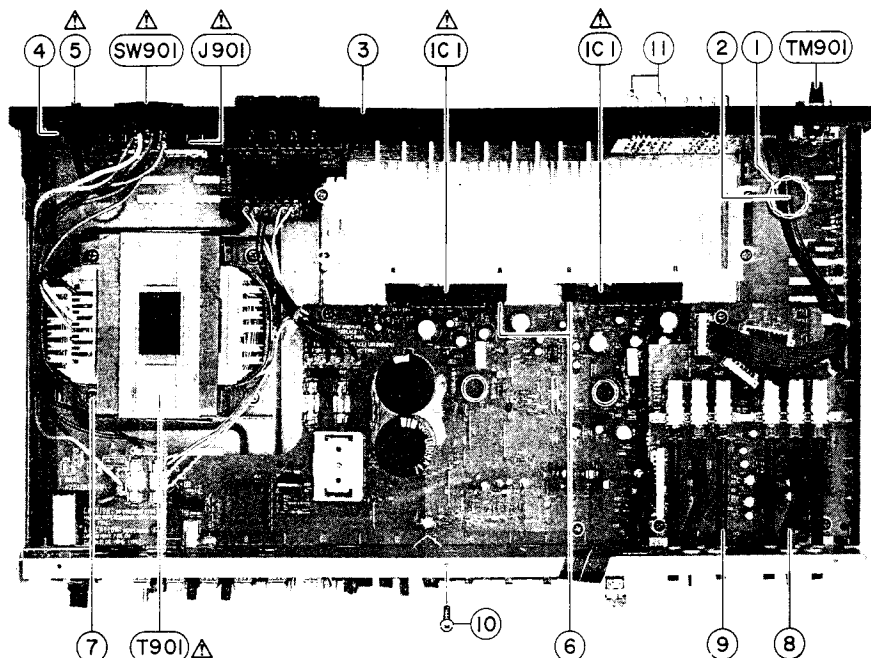
| REF.<br>NO. | PART NO.  | DESCRIPTION                                               |
|-------------|-----------|-----------------------------------------------------------|
| 9-C1A       | EC-320548 | △ C CE V F 103Z 250AC [U]                                 |
| 9-C1B       | EC-338411 | △ C CE V FZ 103P 400AC [C,A]                              |
| 9-C1C       | EC-338496 | △ C CE V FZ 472P 400AC [E,V,B,S]                          |
| 9-SW1       | ES-337902 | △ SW PUSH SDDL1P 01-1<br>(AM-A102, AM-A202)               |
| 9-SW1       | ES-361970 | △ SW PUSH SDDL1P 01-1<br>(AM-A302, AM-A402)               |
| 9-F1A       | EF-311839 | △ FUSE TSC A 250V 1.60A<br>(AM-A102 [U])                  |
| 9-F1A       | EF-326639 | △ FUSE TSC A 250V 3.15A<br>(AM-A202 [U])                  |
| 9-F1A       | EF-326639 | △ FUSE TSC A 250V 3.15A<br>(AM-A302 [U])                  |
| 9-F1A       | EF-306952 | △ FUSE TSC A 250V 4.00A<br>(AM-A402 [U])                  |
| 9-F1B       | EF-323080 | △ FUSE TSC 125V 3.15A<br>(AM-A202 [C,A])                  |
| 9-F1B       | EF-346139 | △ FUSE TSC 125V 5.00A<br>(AM-A302 [C,A])                  |
| 9-F1B       | EF-346115 | △ FUSE TSC 125V 6.30A<br>(AM-A402 [C,A])                  |
| 9-F1C       | EF-602550 | △ FUSE SEMKO T 1.25A 250V<br>(AM-A102 [E,S], 202 [E,V,S]) |
| 9-F1C       | EF-601301 | △ FUSE SEMKO T 2.00A 250V<br>(AM-A302 [E,V,S])            |
| 9-F1C       | EF-691007 | △ FUSE SEMKO T 3.15A 250V<br>(AM-A402 [E,S])              |
| 9-F1D       | EF-359007 | △ FUSE BET T 1.25A 250V<br>(AM-A102 [B], 202 [B])         |
| 9-F1D       | EF-355398 | △ FUSE BET T 2.00A 250V<br>(AM-A302 [B])                  |
| 9-F2        | EF-311839 | △ FUSE TSC A 250V 1.60A<br>(AM-A102 [U])                  |
| 9-F2        | EF-326639 | △ FUSE TSC A 250V 3.15A<br>(AM-A202 [U], 302 [U])         |
| 9-F2        | EF-306952 | △ FUSE TSC A 250V 4.00A<br>(AM-A402 [U])                  |

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## 10. FILTER PC BOARD (AM-A202, 302 [V] ONLY)

| REF.<br>NO. | PART NO.  | DESCRIPTION                      |
|-------------|-----------|----------------------------------|
| 10-L1       | EO-338409 | COIL LF FKOB160MH02 250UH<br>[V] |

## ASSEMBLY BLOCK

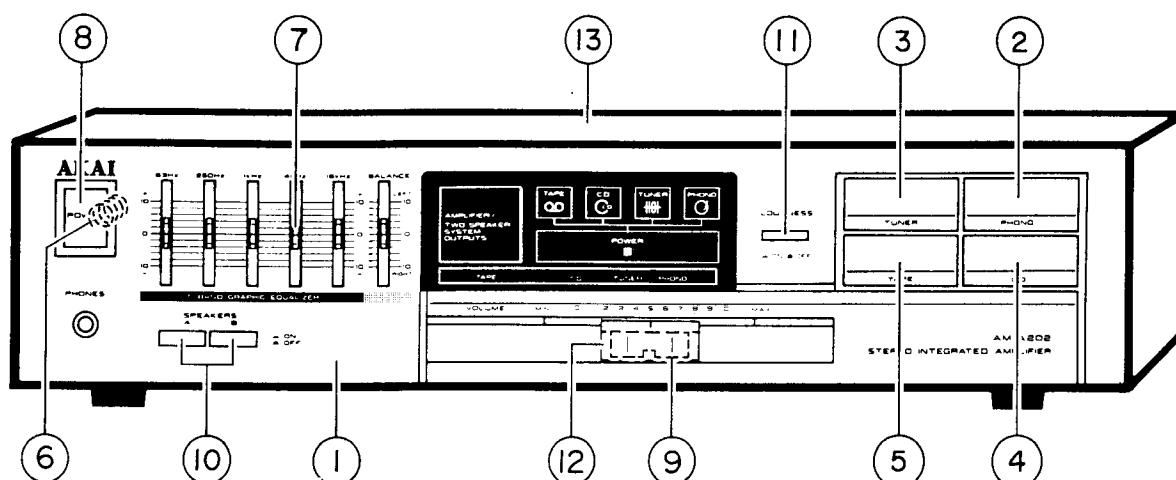


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## 11. ASSEMBLY BLOCK

| REF. NO. | PART NO.   | DESCRIPTION                                  | REF. NO. | PART NO.  | DESCRIPTION                                     |
|----------|------------|----------------------------------------------|----------|-----------|-------------------------------------------------|
| 11-1     | SA-332850  | ROUND FOOT                                   | 11-T901A | BT-364647 | △ TRANS POWER AM-A402T-70 (U) (AM-A402 [U])     |
| 11-2     | ZS-311745  | T2BR30×08STL BNI PW080 (FOOT FIX)            | 11-T901B | BT-364154 | △ TRANS POWER AM-A202-30 (AM-A202 [C])          |
| 11-3A    | SP-364012A | PANEL REAR AM-A102 [U]                       | 11-T901B | BT-364552 | △ TRANS POWER AM-A302T-20 (C,A) (AM-A302 [C,A]) |
| 11-3A    | SP-364012D | PANEL REAR AM-A202 [U]                       | 11-T901B | BT-364649 | △ TRANS POWER AM-A402T-20 (C,A) (AM-A402 [C,A]) |
| 11-3A    | SP-364012H | PANEL REAR AM-A302 [U]                       | 11-T901C | BT-364155 | △ TRANS POWER AM-A202-20 (AM-A202 [A])          |
| 11-3A    | SP-364012M | PANEL REAR AM-A402 [U]                       | 11-T901B | BT-352430 | △ TRANS POWER AM-A1T-40 (AM-A102 [E])           |
| 11-3B    | SP-364012E | PANEL REAR AM-A202 [C,A]                     | 11-T901D | BT-358520 | △ TRANS POWER AM-A201-40 (E) (AM-A202 [E])      |
| 11-3B    | SP-364012J | PANEL REAR AM-A302 [C,A]                     | 11-T901C | BT-358549 | △ TRANS POWER AM-A301-40 (E,V) (AM-A302 [E,V])  |
| 11-3B    | SP-364012N | PANEL REAR AM-A402 [C,A]                     | 11-T901C | BT-364650 | △ TRANS POWER AM-A402T-50 (E) (AM-A402 [E])     |
| 11-3B    | SP-364012B | PANEL REAR AM-A102 [E]                       | 11-T901C | BT-352431 | △ TRANS POWER AM-A1T-50 (AM-A102 [B,S])         |
| 11-3C    | SP-364012F | PANEL REAR AM-A202 [E,V]                     | 11-T901E | BT-358521 | △ TRANS POWER AM-A201-50 (B,S) (AM-A202 [B,S])  |
| 11-3C    | SP-364012K | PANEL REAR AM-A302 [E,V]                     | 11-T901D | BT-358550 | △ TRANS POWER AM-A301-50 (B,S) (AM-A302 [B,S])  |
| 11-3C    | SP-364012P | PANEL REAR AM-A402 [E]                       | 11-T901D | BT-364651 | △ TRANS POWER AM-A402T-50 (S) (AM-A402 [S])     |
| 11-3C    | SP-364012C | PANEL REAR AM-A102 [S,B]                     | 11-T901F | BT-370321 | △ TRANS POWER A2047-V (AM-A202 [V])             |
| 11-3D    | SP-364012G | PANEL REAR AM-A202 [B,S]                     | 11-J901A | EJ-337405 | △ SOCKET OUTLET S2T733T164 JUC 3×2P [U]         |
| 11-3D    | SP-364012L | PANEL REAR AM-A302 [B,S]                     | 11-J901B | EJ-352642 | △ SOCKET OUTLET S2T733T114T [C,A]               |
| 11-3D    | SP-364012Q | PANEL REAR AM-A402 [S]                       | 11-SW901 | ES-349070 | △ SW SELECTOR YKS11-0002 02-4 [U]               |
| 11-4     | ZS-308846  | T2BR30×08STL BZN PROJECTION (PANEL REAR FIX) | 11-TM901 | EJ-329610 | TERMINAL W/SCREW UB-0067 L 1P                   |
| 11-5A    | EW-354515  | △ AC CORD 2 CORES KP-700A, VFF-CB U/T [U]    | 11-IC1   | EI-352644 | △ IC STK4141II (AM-A102)                        |
| 11-5B    | EW-358513  | △ AC CORD 2 CORES KD-8W, SPT-2-CB UC [C,A]   | 11-IC1A  | EI-358554 | △ IC STK4152II (AM-A202 [U,E,V,B,S])            |
| 11-5C    | EW-354625  | △ AC CORD 2 CORES KP-419C, LTCE-2F E [E]     | 11-IC1A  | EI-366366 | △ IC STK4038II (AM-A302 [U,E,V,B,S])            |
| 11-5D    | EW-354513  | △ AC CORD 2 CORES KP-419C, LTCE-2F EV [V]    | 11-IC1   | EI-364646 | △ IC STK4044II (AM-A402)                        |
| 11-5E    | EW-354512  | △ AC CORD 2 CORES LTBS-2F-CB B [B]           | 11-IC1B  | EI-364171 | △ IC STK4171II (AM-A202 [C,A])                  |
| 11-5F    | EW-354514  | △ AC CORD 2 CORES KP-560, LTSA2F-CB S [S]    | 11-IC1B  | EI-364549 | △ IC STK4042II (AM-A302 [C,A])                  |
| 11-6     | ZS-321279  | T2BR30×18STL CMT (IC FIX)                    |          |           |                                                 |
| 11-7     | ZS-346742  | ST BID40×08STL CMT CUP (TRANS POWER FIX)     |          |           |                                                 |
| 11-8     | TA-358475  | JOINT (A)                                    |          |           |                                                 |
| 11-9     | TA-358473B | JOINT (B)-2                                  |          |           |                                                 |
| 11-10    | ZS-498273  | T2BR30×08STL CMT PW080 (PANEL FRONT FIX)     |          |           |                                                 |
| 11-11    | EJ-348218  | PLUG SHORT PIN P2138                         |          |           |                                                 |
| 11-T901A | BT-352426  | △ TRANS POWER AM-A1T-70 (AM-A102 [U])        |          |           |                                                 |
| 11-T901A | BT-358517  | △ TRANS POWER AM-A201-70 (U) (AM-A202 [U])   |          |           |                                                 |
| 11-T901A | BT-358545  | △ TRANS POWER AM-A301-70 (U) (AM-A302 [U])   |          |           |                                                 |

## FINAL ASSEMBLY BLOCK

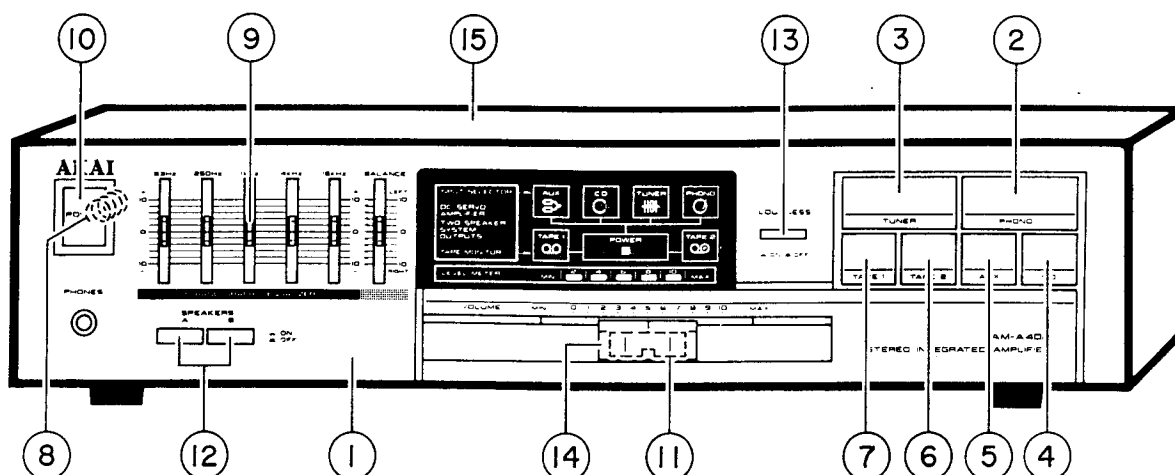


### 12. FINAL ASSEMBLY BLOCK (AM-A102, 202)

| REF. NO.                 | PART NO.      | DESCRIPTION               | REF. NO.                               | PART NO.   | DESCRIPTION     |
|--------------------------|---------------|---------------------------|----------------------------------------|------------|-----------------|
| <b>PANEL FRONT BLOCK</b> |               |                           | <b>FINAL ASSEMBLY BLOCK</b>            |            |                 |
| 12-1                     | BD-A2047A090C | PANEL FRONT BLK AM-A102   | 12-9                                   | SZ-358557  | SHEET           |
| 12-1                     | BD-A2047A090A | PANEL FRONT BLK AM-A202   | 12-10                                  | SK-358479B | KNOB (F-2)      |
| 12-1-B                   | BD-A2047A090D | PANEL FRONT BLK AM-A102-B | 12-10-B                                | SK-358479A | KNOB (F-1)      |
| 12-1-B                   | BD-A2047A090B | PANEL FRONT BLK AM-A202-B | 12-11                                  | SK-363998A | KNOB LOUDNESS   |
| 12-2                     | SK-363997A    | KNOB FUNCTION (A) PHONO   | 12-11-B                                | SK-363998B | KNOB LOUDNESS-B |
| 12-2-B                   | SK-363997E    | KNOB FUNCTION (A) PHONO-B | 12-12                                  | SK-358474B | KNOB (D-2)      |
| 12-3                     | SK-363997B    | KNOB FUNCTION (A) TUNER   | 12-12-B                                | SK-358474A | KNOB (D-1)      |
| 12-3-B                   | SK-363997F    | KNOB FUNCTION (A) TUNER-B | 12-13                                  | SP-349925A | COVER UPPER     |
| 12-4                     | SK-363997C    | KNOB FUNCTION (A) CD      | 12-13-B                                | SP-349925C | COVER UPPER-B   |
| 12-4-B                   | SK-363997G    | KNOB FUNCTION (A) CD-B    | <b>NOTE:</b>                           |            |                 |
| 12-5                     | SK-363997D    | KNOB FUNCTION (A) TAPE    | PANEL FRONT BLK includes 12-2 to 12-8. |            |                 |
| 12-5-B                   | SK-363997H    | KNOB FUNCTION (A) TAPE-B  | SYMBOL FOR COLOR VARIATION             |            |                 |
| 12-6                     | ZG-355238     | SP PUSH POWER             | NON: STANDARD COLOR                    |            |                 |
| 12-7                     | SK-363999     | KNOB EQ                   | -B : BLACK                             |            |                 |
| 12-7-B                   | SK-363999B    | KNOB EQ-B                 |                                        |            |                 |
| 12-8                     | SK-343017C    | KNOB POWER (2)            |                                        |            |                 |
| 12-8-B                   | SK-343017F    | KNOB POWER-B              |                                        |            |                 |

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## FINAL ASSEMBLY BLOCK



### 12. FINAL ASSEMBLY BLOCK (AM-A302, 402)

REF. PART NO. DESCRIPTION

#### PANEL FRONT BLOCK

|         |               |                            |
|---------|---------------|----------------------------|
| 12-1    | BD-A2048A040A | PANEL FRONT BLK AM-A302    |
| 12-1    | BD-A2048A040C | PANEL FRONT BLK AM-A402    |
| 12-1-B  | BD-A2048A040B | PANEL FRONT BLK AM-A302-B  |
| 12-1-B  | BD-A2048A040D | PANEL FRONT BLK AM-A402-B  |
| 12-2    | SK-363997A    | KNOB FUNCTION (A) PHONO    |
| 12-2-B  | SK-363997E    | KNOB FUNCTION (A) PHONO-B  |
| 12-3    | SK-363997B    | KNOB FUNCTION (A) TUNER    |
| 12-3-B  | SK-363997F    | KNOB FUNCTION (A) TUNER-B  |
| 12-4    | SK-364457A    | KNOB FUNCTION (B) CD       |
| 12-4-B  | SK-364457E    | KNOB FUNCTION (B) CD-B     |
| 12-5    | SK-364457B    | KNOB FUNCTION (B) AUX      |
| 12-5-B  | SK-364457F    | KNOB FUNCTION (B) AUX-B    |
| 12-6    | SK-364457C    | KNOB FUNCTION (B) TAPE 2   |
| 12-6-B  | SK-364457G    | KNOB FUNCTION (B) TAPE 2-B |
| 12-7    | SK-364457D    | KNOB FUNCTION (B) TAPE 1   |
| 12-7-B  | SK-364457H    | KNOB FUNCTION (B) TAPE 1-B |
| 12-8    | ZG-355238     | SP PUSH POWER              |
| 12-9    | SK-363999     | KNOB EQ                    |
| 12-9-B  | SK-363999B    | KNOB EQ-B                  |
| 12-10   | SK-343017C    | KNOB POWER (2)             |
| 12-10-B | SK-343017F    | KNOB POWER-B               |

REF. PART NO. DESCRIPTION

#### FINAL ASSEMBLY BLOCK

|         |            |                             |
|---------|------------|-----------------------------|
| 12-11   | SZ-358557  | SHEET                       |
| 12-12   | SK-358479B | KNOB (F-2)                  |
| 12-12-B | SK-358479A | KNOB (F-1)                  |
| 12-13   | SK-363998A | KNOB LOUDNESS               |
| 12-13-B | SK-363998B | KNOB LOUDNESS-B             |
| 12-14   | SK-358474B | KNOB (D-2)                  |
| 12-14-B | SK-358474A | KNOB (D-1)                  |
| 12-15   | SP-349925E | COVER UPPER (B) (AM-A302)   |
| 12-15   | SP-349925G | COVER UPPER (C) (AM-A402)   |
| 12-15-B | SP-349925F | COVER UPPER (B)-B (AM-A302) |
| 12-15-B | SP-349925H | COVER UPPER (C)-B (AM-A402) |

#### NOTE:

PANEL FRONT BLK includes 12-2 to 12-10.

SYMBOL FOR COLOR VARIATION

NON: STANDARD COLOR

-B : BLACK

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|---------------|-------------|-----------|-------------|------------|----------|------------|----------|
| BA-A2047A020A | 1-2A        | EF-323080 | 9-F1B       | ER-333616  | 5-R9     | SP-364012D | 11-3A    |
| BA-A2047A020B | 1-2B        | EF-326639 | 9-F1A,2-F3A | ER-333616  | 5-R10    | SP-364012E | 11-3B    |
| BA-A2047A020C | 1-2C,1-2B   | EF-326639 | 9-F2,2-F4A  | ER-341331  | 2-R12    | SP-364012F | 11-3C    |
| BA-A2047A020D | 1-2D        | EF-359007 | 9-F1D       | ER-341940  | 2-R10    | SP-364012G | 11-3D    |
| BA-A2047A020E | 1-2A        | EF-359225 | 2-F3D       | ER-341940  | 2-R11    | SZ-358557  | 12-9     |
| BA-A2047A030A | 1-1A        | EF-359225 | 2-F4D       | ES-337902  | 9-SW1    | TA-358473B | 11-9     |
| BA-A2047A030B | 1-1B        | EF-364518 | 2-F3C,F4C   | ES-349070  | 11-SW901 | TA-358475  | 11-8     |
| BA-A2047A030C | 1-1C        | EF-602550 | 9-F1C       | ES-358537  | 4-SW1    | ZG-355238  | 12-6     |
| BA-A2047A030D | 1-1D        | EF-623125 | 2-F3B,F4B   | ES-359963  | 2-SW2    | ZS-308846  | 11-4     |
| BA-A2047A030E | 1-1A        | EF-691007 | 2-F3C       | ES-364176  | 3-SW1    | ZS-311745  | 11-2     |
| BA-A2047A030F | 1-1B        | EF-691007 | 2-F4C       | ET-310148  | 2-TR1    | ZS-321279  | 11-6     |
| BD-A2047A090A | 12-1        | EI-344764 | 5-IC1       | ET-322598  | 2-TR2    | ZS-346742  | 11-7     |
| BD-A2047A090B | 12-1-B      | EI-349719 | 4-IC1       | ET-363953  | 2-TR3    | ZS-498273  | 11-10    |
| BD-A2047A090C | 12-1        | EI-352644 | 11-IC1      | EV-358563  | 3-VR7    |            |          |
| BD-A2047A090D | 12-1-B      | EI-355211 | 3-IC1       | EV-364174  | 3-VR1    |            |          |
| BT-352426     | 11-T901A    | EI-358554 | 11-IC1A     | EV-364174  | 3-VR2    |            |          |
| BT-352430     | 11-T901B    | EI-364171 | 11-IC1B     | EV-364174  | 3-VR3    |            |          |
| BT-352431     | 11-T901C    | EJ-329610 | 11-TM901    | EV-364174  | 3-VR4    |            |          |
| BT-358517     | 11-T901A    | EJ-336904 | 5-P1        | EV-364174  | 3-VR5    |            |          |
| BT-358520     | 11-T901D    | EJ-337405 | 11-J901A    | EV-364175  | 3-VR6    |            |          |
| BT-358521     | 11-T901E    | EJ-343365 | 6-P1        | EW-354512  | 11-5E    |            |          |
| BT-364154     | 11-T901B    | EJ-343365 | 6-P2        | EW-354513  | 11-5D    |            |          |
| BT-364155     | 11-T901C    | EJ-348218 | 11-11       | EW-354514  | 11-5F    |            |          |
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| EC-358538     | 2-C13A      | ER-200746 | 2-FR2       | SK-358474B | 12-12    |            |          |
| EC-361665     | 2-C13B      | ER-305722 | 2-R12       | SK-358479A | 12-10-B  |            |          |
| EC-361665     | 2-C16B      | ER-306805 | 3-R10       | SK-358479B | 12-10    |            |          |
| ED-200213     | 2-D5        | ER-306805 | 3-R11       | SK-363997A | 12-2     |            |          |
| ED-301911     | 2-D1        | ER-308875 | 2-R10,R11   | SK-363997B | 12-3     |            |          |
| ED-306320     | 2-D3        | ER-318430 | 2-R19       | SK-363997C | 12-4     |            |          |
| ED-306320     | 2-D4        | ER-323074 | 2-R18       | SK-363997D | 12-5     |            |          |
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| ED-329056     | 2-D2        | ER-325269 | 2-R7        | SK-363997F | 12-3-B   |            |          |
| ED-350748     | 2-D5        | ER-328082 | 2-R15       | SK-363997G | 12-4-B   |            |          |
| ED-354114     | 3-D1        | ER-328082 | 2-R17       | SK-363997H | 12-5-B   |            |          |
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| ED-361885     | 3-D3        | ER-328278 | 2-FR1       | SK-363998B | 12-11-B  |            |          |
| ED-361885     | 3-D4        | ER-328278 | 2-FR3       | SK-363999  | 12-7     |            |          |
| ED-361885     | 3-D5        | ER-328278 | 2-FR4       | SK-363999B | 12-7-B   |            |          |
| EF-306952     | 2-F3A       | ER-333355 | 2-R9        | SP-349925A | 12-13    |            |          |
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| EF-306957     | 2-F3B       | ER-333598 | 3-R9        | SP-364012A | 11-3A    |            |          |
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# AM-A302/A402

| PART NO.      | REF. NO.  | PART NO.  | REF. NO.    | PART NO.   | REF. NO.    | PART NO.   | REF. NO. |
|---------------|-----------|-----------|-------------|------------|-------------|------------|----------|
| BA-A2048A020A | 1-1A      | EF-242605 | 2-F3C,F4C   | ER-333680  | 3-R25       | SK-364457H | 12-7-B   |
| BA-A2048A020B | 1-1B      | EF-249851 | 2-F3C       | ER-333680  | 3-R26       | SP-349925E | 12-15    |
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| BA-A2048A030E | 1-2A      | EF-346139 | 9-F1B       | ES-349070  | 11-SW901    | SP-364012P | 11-3C    |
| BA-A2048A030F | 1-2B      | EF-355398 | 9-F1D       | ES-358556  | 2-SW1       | SP-364012Q | 11-3D    |
| BA-A2048A030G | 1-2C      | EF-355399 | 2-F3D       | ES-358564  | 4-SW1       | SZ-358557  | 12-11    |
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| BA-A2048A040D | 12-1-B    | EI-337228 | 4-IC1       | ET-307195  | 2-TR1       | ZS-308846  | 11-4     |
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| BT-364552     | 11-T901B  | EI-355211 | 3-IC1       | ET-353899  | 3-TR2       | ZS-498273  | 11-10    |
| BT-364647     | 11-T901A  | EI-358562 | 3-IC2       | ET-360067  | 2-TR6       |            |          |
| BT-364649     | 11-T901B  | EI-364549 | 11-IC1B     | ET-360067  | 3-TR1       |            |          |
| BT-364650     | 11-T901C  | EI-364646 | 11-IC1      | EV-358563  | 3-VR7       |            |          |
| BT-364651     | 11-T901D  | EI-366366 | 11-IC1A     | EV-363157  | 3-VR8       |            |          |
| EC-201627     | 2-C10,C11 | EJ-329610 | 11-TM901    | EV-364174  | 3-VR1       |            |          |
| EC-320548     | 9-C1A     | EJ-336904 | 5-P1        | EV-364174  | 3-VR2       |            |          |
| EC-325320     | 2-C13     | EJ-337405 | 11-J901A    | EV-364174  | 3-VR3       |            |          |
| EC-325320     | 2-C14     | EJ-343365 | 6-P1        | EV-364174  | 3-VR4       |            |          |
| EC-326583     | 2-C22     | EJ-343365 | 6-P2        | EV-364174  | 3-VR5       |            |          |
| EC-334005     | 2-C18     | EJ-343365 | 6-P3        | EV-364175  | 3-VR6       |            |          |
| EC-338411     | 9-C1B     | EJ-343365 | 6-P4        | EW-354512  | 11-5E       |            |          |
| EC-338496     | 9-C1C     | EJ-348218 | 11-11       | EW-354513  | 11-5D       |            |          |
| EC-358559     | 2-C23     | EJ-349401 | 7-TM902     | EW-354514  | 11-5F,11-5D |            |          |
| EC-358559     | 2-C26     | EJ-352642 | 11-J901B    | EW-354515  | 11-5A       |            |          |
| EC-360273     | 2-C23A    | EJ-358535 | 8-J1        | EW-354625  | 11-5C       |            |          |
| EC-360273     | 2-C26A    | EO-332116 | 2-L1        | EW-358513  | 11-5B       |            |          |
| ED-200749     | 2-D6      | EO-336934 | 8-L1        | SA-332850  | 11-1        |            |          |
| ED-301911     | 2-D9      | EO-338409 | 10-L1       | SK-343017C | 12-10       |            |          |
| ED-313846     | 3-D13     | EQ-337159 | 2-RL1       | SK-343017F | 12-10-B     |            |          |
| ED-322046     | 2-D7      | ER-200746 | 2-FR1       | SK-358474A | 12-14-B     |            |          |
| ED-322046     | 2-D8      | ER-200746 | 2-FR2       | SK-358474B | 12-14       |            |          |
| ED-346627     | 2-D5      | ER-306128 | 2-R26       | SK-358479A | 12-12-B     |            |          |
| ED-348990     | 2-D1      | ER-318430 | 4-R7        | SK-358479B | 12-12       |            |          |
| ED-348990     | 2-D2      | ER-318430 | 4-R8        | SK-363997A | 12-2        |            |          |
| ED-348990     | 2-D3      | ER-318430 | 4-R9        | SK-363997B | 12-3        |            |          |
| ED-348990     | 2-D4      | ER-318430 | 4-R10       | SK-363997E | 12-2-B      |            |          |
| ED-354114     | 3-D4      | ER-318430 | 4-R11       | SK-363997F | 12-3-B      |            |          |
| ED-354114     | 3-D5      | ER-318430 | 4-R12       | SK-363998A | 12-13       |            |          |
| ED-354114     | 3-D12     | ER-324670 | 4-R7 to R12 | SK-363998B | 12-13-B     |            |          |
| ED-361803     | 3-D10     | ER-324935 | 4-R5        | SK-363999  | 12-9        |            |          |
| ED-361803     | 3-D11     | ER-324935 | 4-R6        | SK-363999B | 12-9-B      |            |          |
| ED-361885     | 3-D1      | ER-324935 | 5-R9        | SK-364457A | 12-4        |            |          |
| ED-361885     | 3-D2      | ER-324935 | 5-R10       | SK-364457B | 12-5        |            |          |
| ED-361885     | 3-D3      | ER-333023 | 2-R13       | SK-364457C | 12-6        |            |          |
| ED-361885     | 3-D6      | ER-333102 | 2-R27       | SK-364457D | 12-7        |            |          |
| ED-361885     | 3-D7      | ER-333639 | 3-R23       | SK-364457E | 12-4-B      |            |          |
| ED-361885     | 3-D8      | ER-333663 | 2-R25       | SK-364457F | 12-5-B      |            |          |
| ED-361885     | 3-D9      | ER-333680 | 3-R24       | SK-364457G | 12-6-B      |            |          |

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## ABBREVIATIONS (AMPLIFIER)

| ABBREVIATIONS | EXPLANATION           |
|---------------|-----------------------|
| AC            | Alternating Current   |
| AMP           | AMPlifier             |
| CD            | Compact Disc          |
| DC            | Direct Current        |
| GND           | GrouND                |
| MC            | Moving Coil           |
| MM            | Moving Magnet         |
| PCB           | Printed Circuit Board |
| REC           | RECORD                |
| SW            | SWitch                |
| V.DISC        | Video DISC            |
| VR            | Variable Resistance   |
| VTR           | Video Tape Recorder   |

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# AKAI

MODEL **AM-A102**

MODEL **AM-A202**

MODEL **AM-A302**

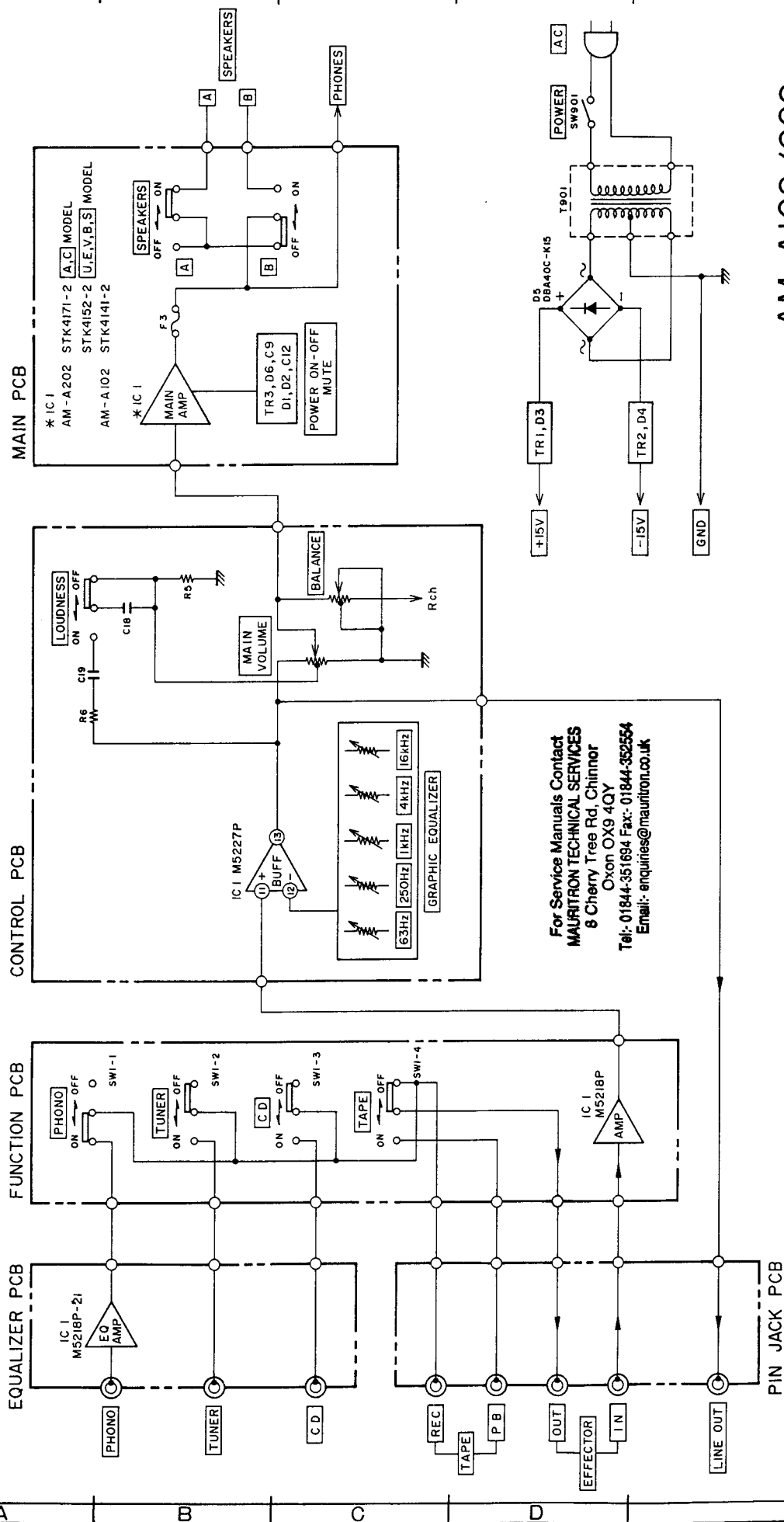
MODEL **AM-A402**

## SCHEMATIC DIAGRAM AND PC BOARDS

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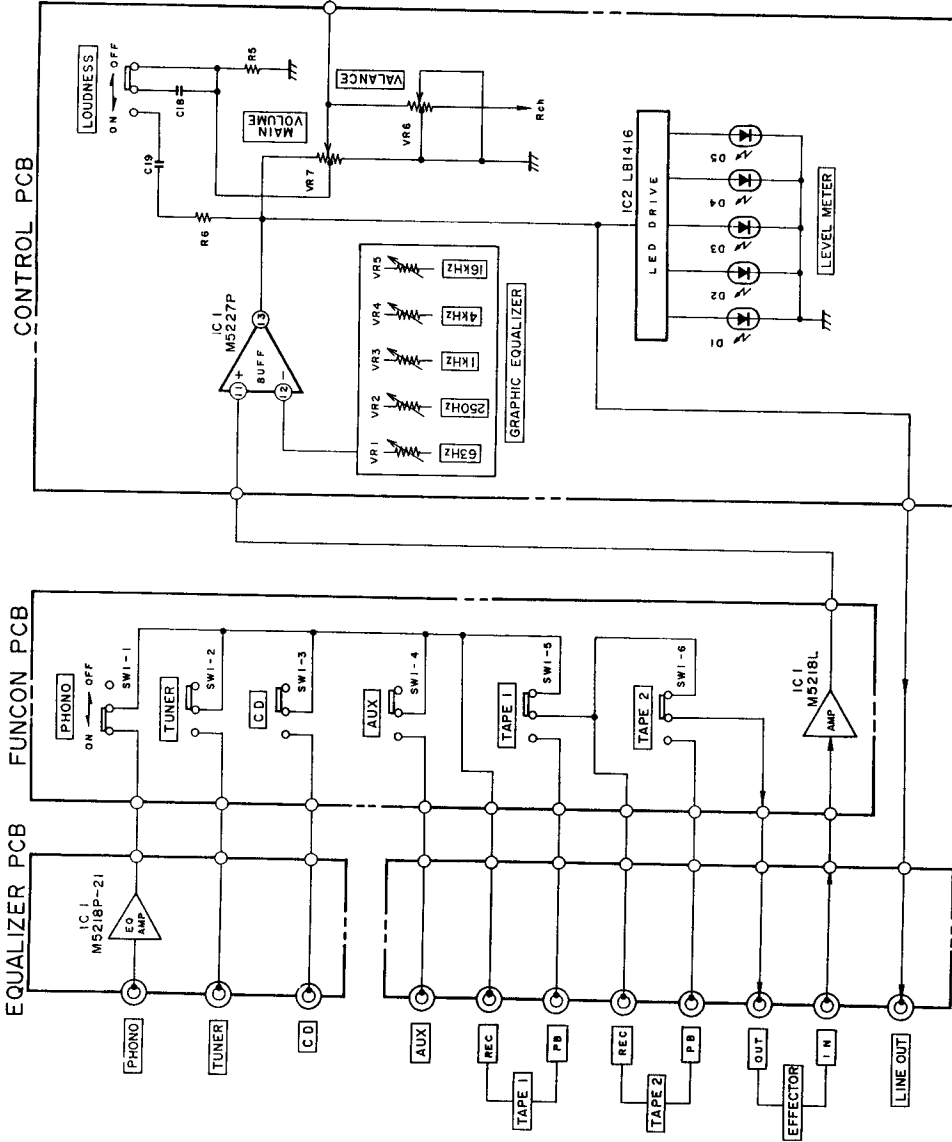


# AM-A102/202 BLOCK DIAGRAM NO. 860611A (A3)

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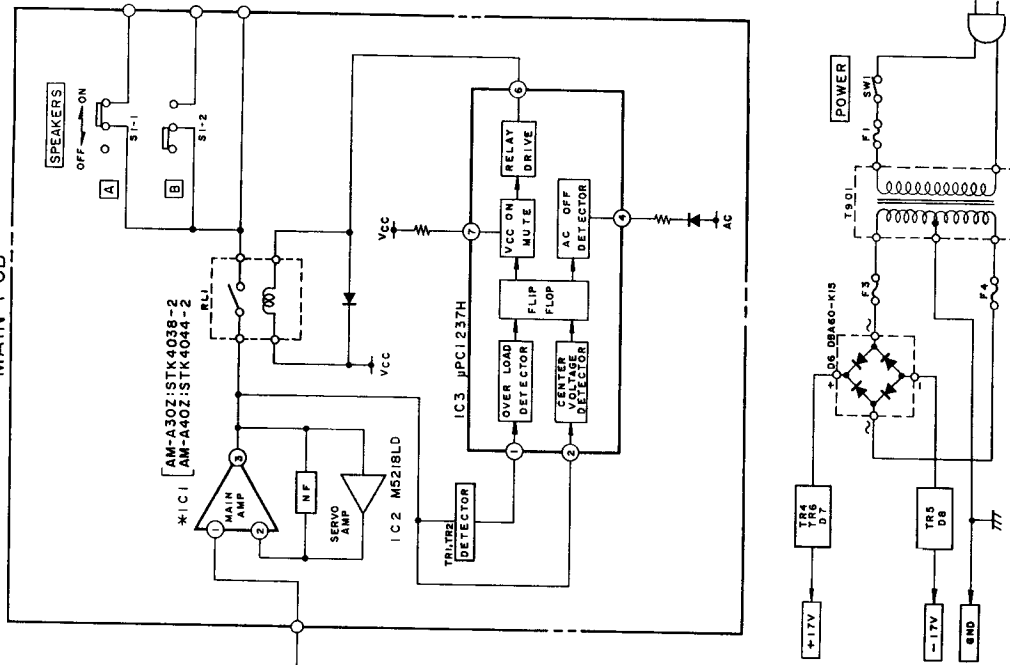
# EQUALIZER PCB

# FUNCON PCB



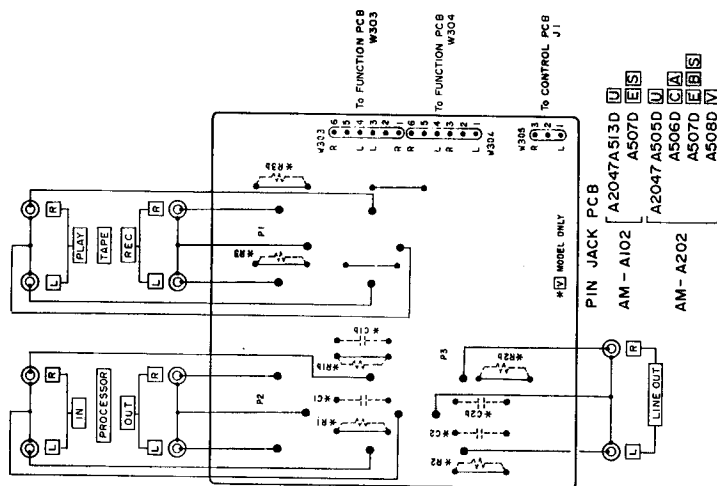
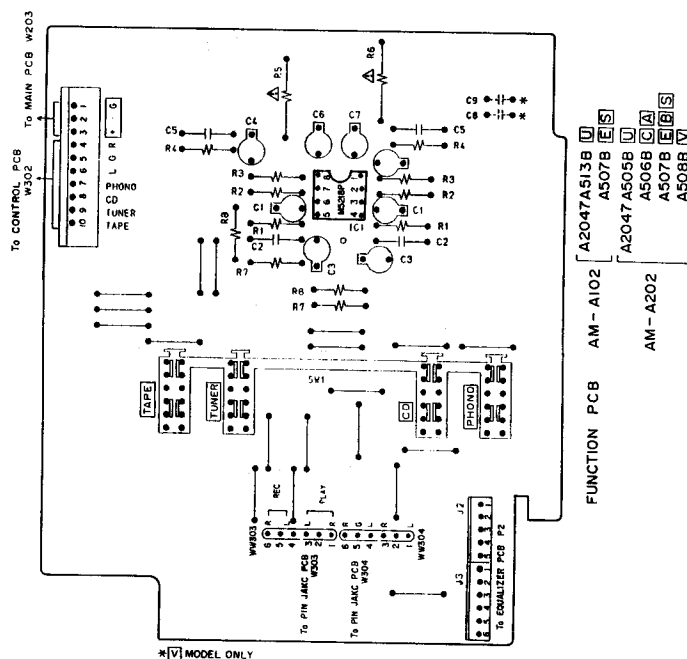
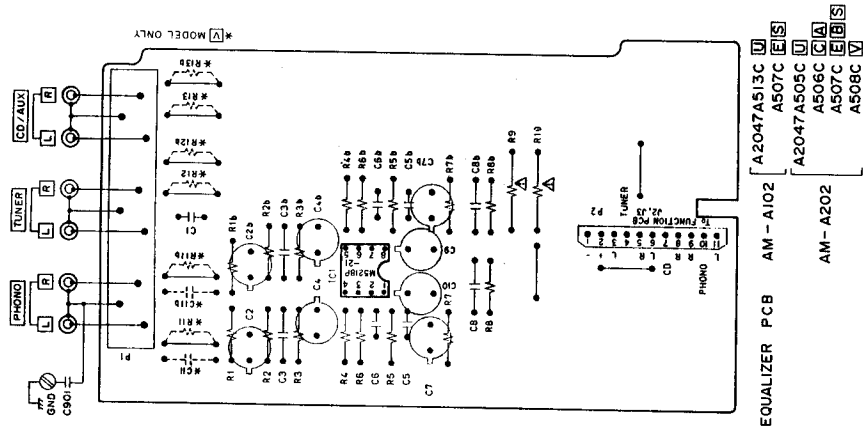
# CONTROL PCB

# MAIN PCB



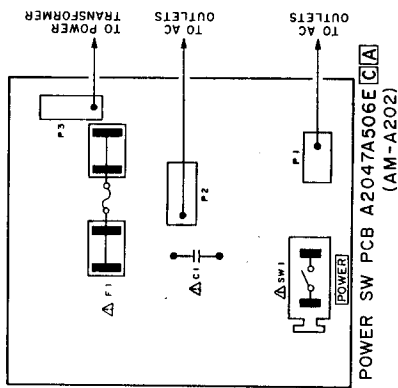
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**AM-A302/402**  
**BLOCK DIAGRAM**  
**NO. 860613A**

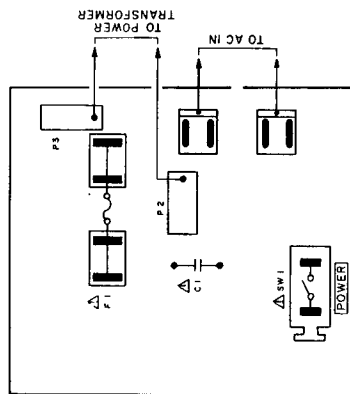


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 AVERTISSEMENT:  $\Delta$  IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ.  
 POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL,  
 NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT

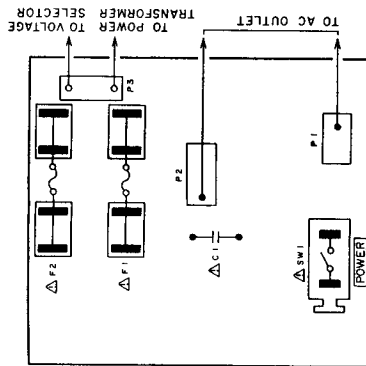
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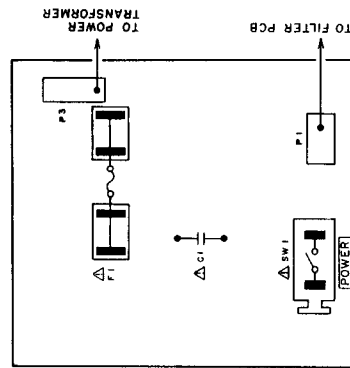
POWER SW PCB A2047A506E [A]  
(AM-A202)



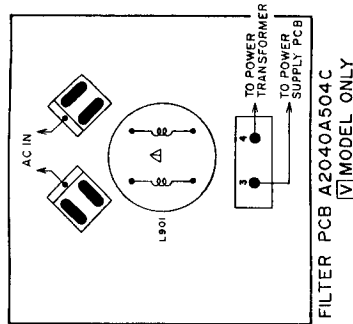
POWER SW PCB A2047A507E  
[S] (AM-A102)  
[B] (AM-A202)



POWER SW PCB  
A2047A505E [U] (AM-A202)  
A513E [U] (AM-A102)



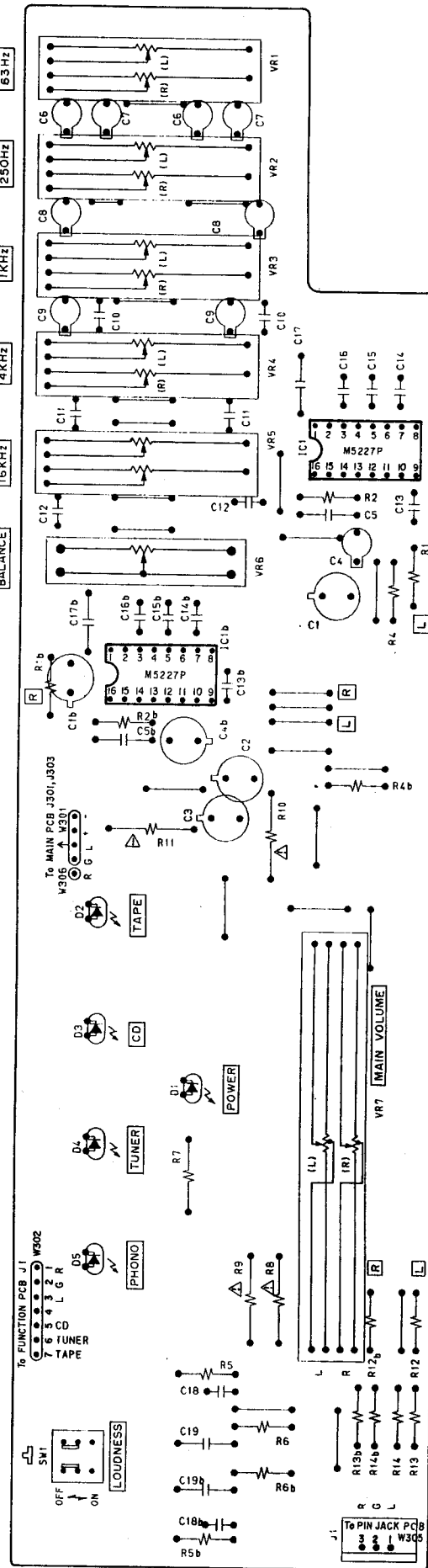
POWER SW PCB  
A2047A504E [V] (AM-A202)



FILTER PCB A2040A504C  
[V] MODEL ONLY

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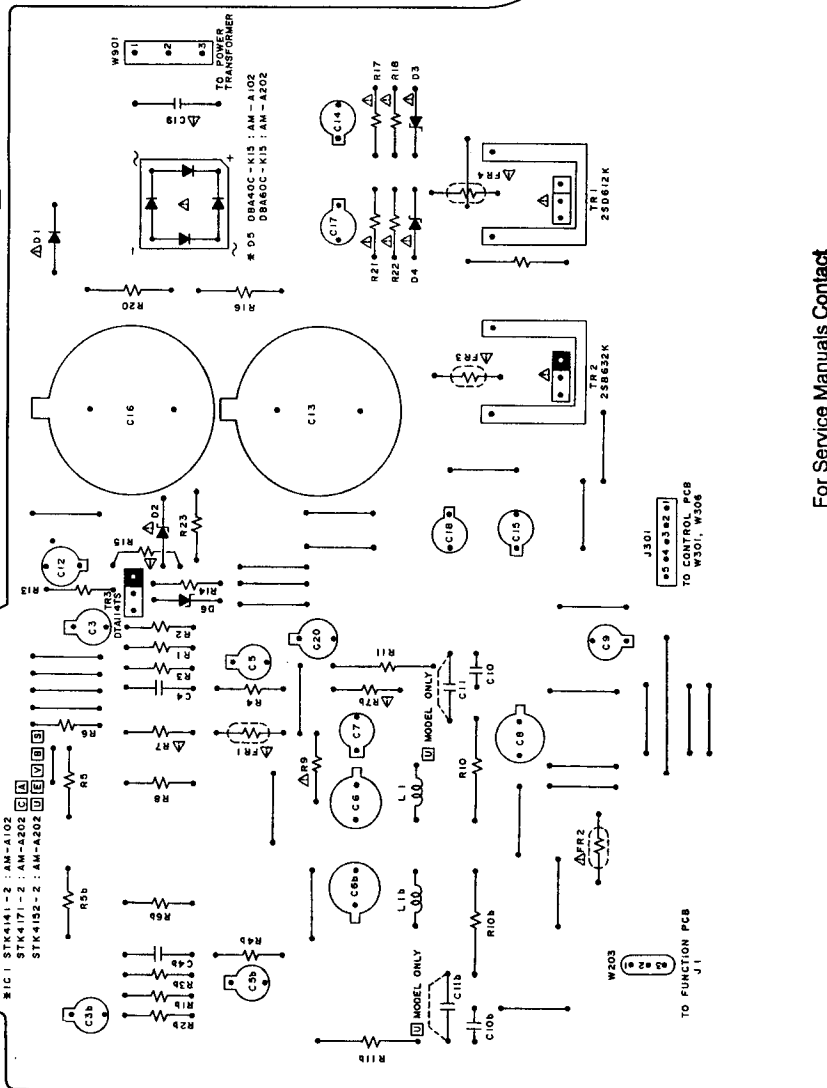
CONTROL PCB AM-A102  
[A2047A513A] [U] A507A [E] [S]  
[A2047A505A] [U] A506A [C] [A]  
[A507A] [E] [B] [S]  
[A508A] [V]

# HEADPHONE PCB

A2040A511D U  
A512D E S  
AM-A202  
A2040A501D U  
A502D C A  
A503D E B S  
A504D V

# MAIN PCB

AM-A102  
A2040A511A U  
A512B E S  
AM-A202  
A2040A501A U  
A502A C A  
A503A E B S  
A504A V



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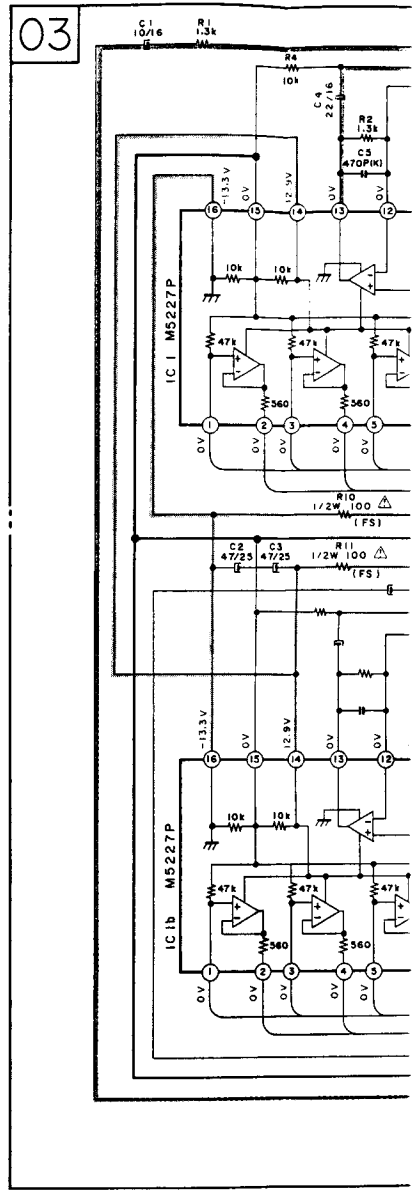
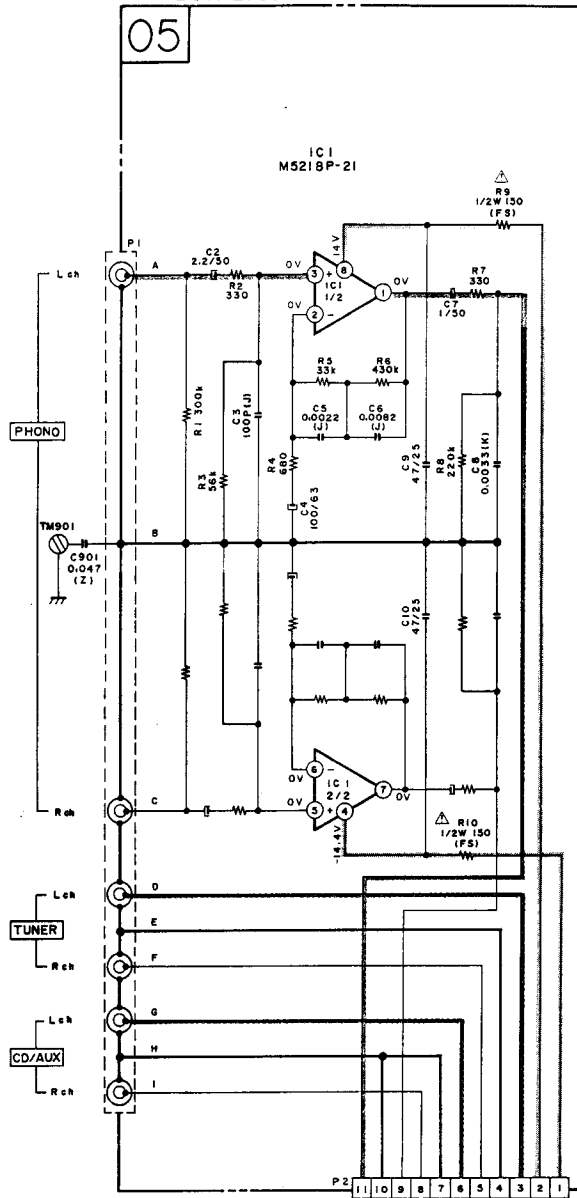
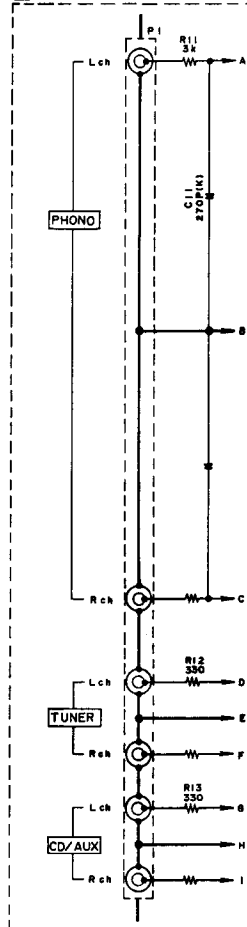
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POUR MAINTENIR LE DEGRÉ DE SÉCURITÉ DE L'APPAREIL,  
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AM-A102/202

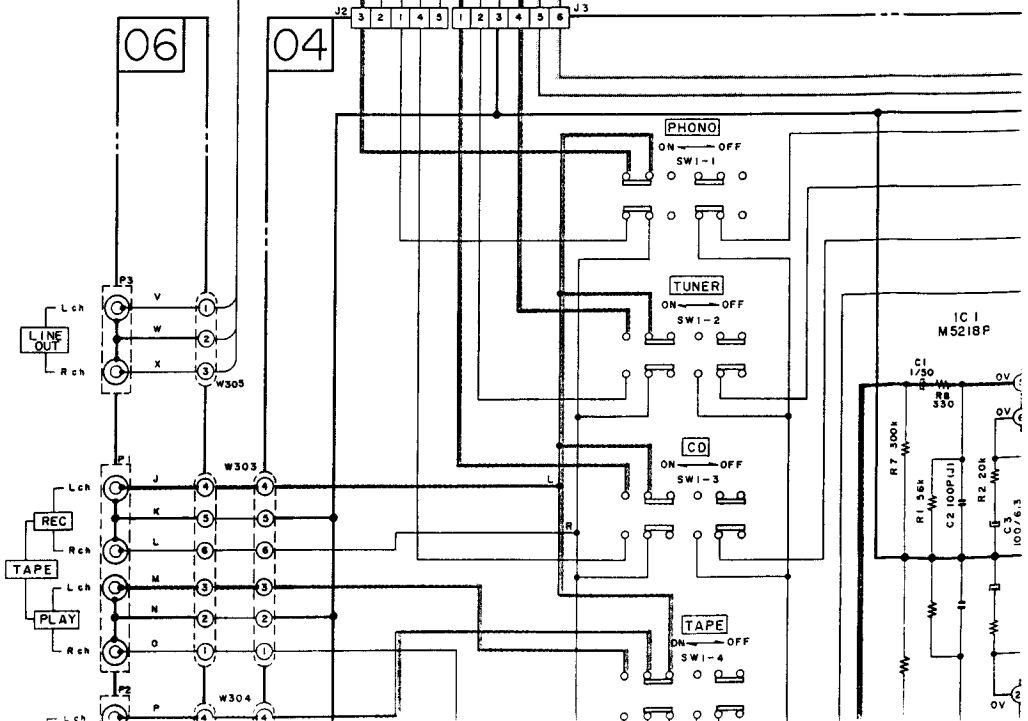
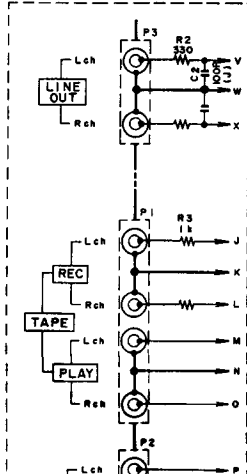
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EQUALIZER PCB

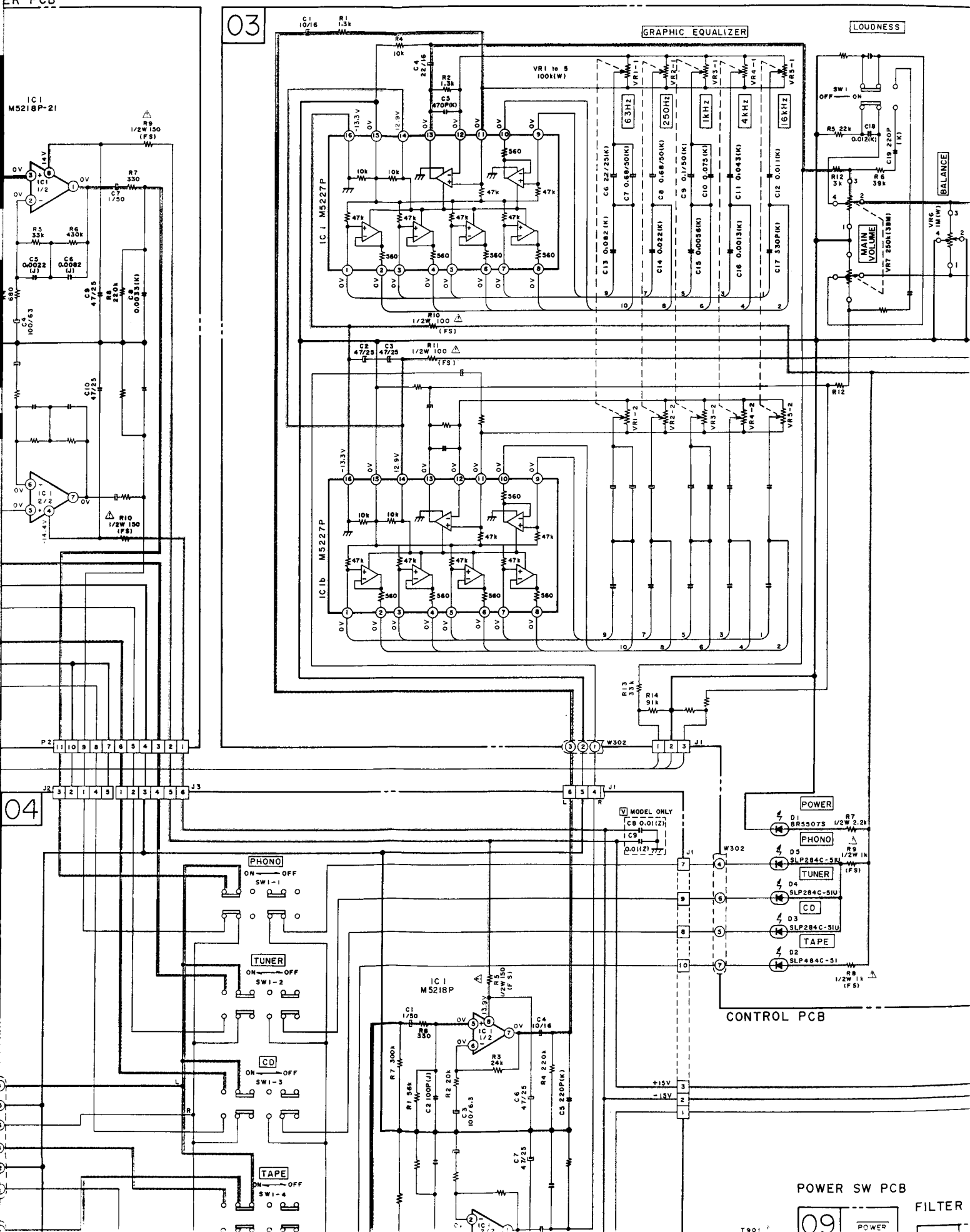
V MODEL ONLY

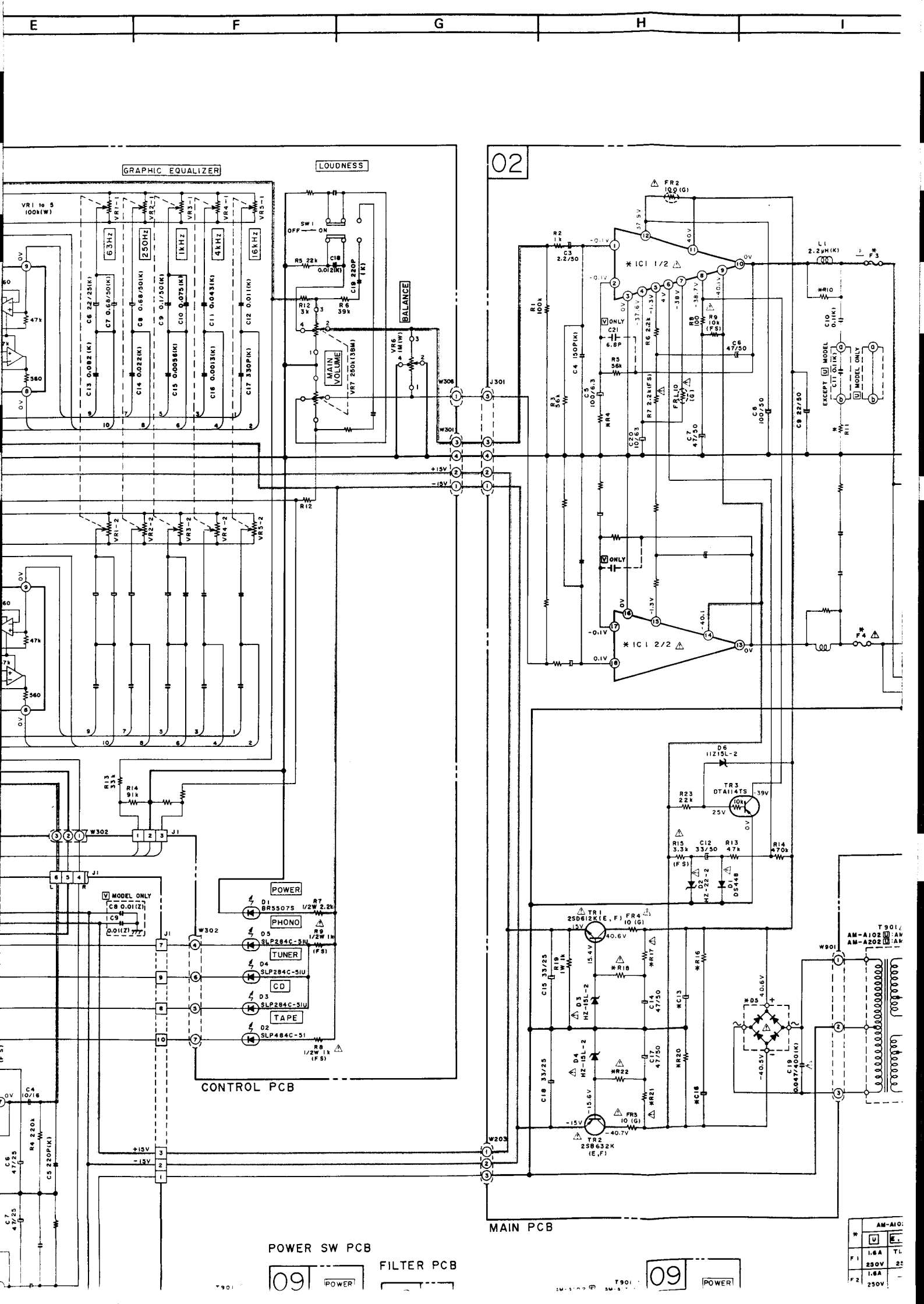


V MODEL ONLY



ER PCB





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02

01

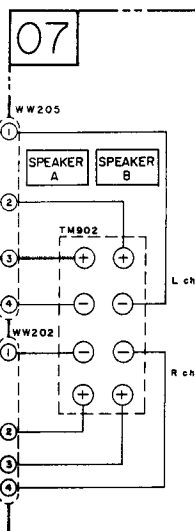
01

MAIN PCB

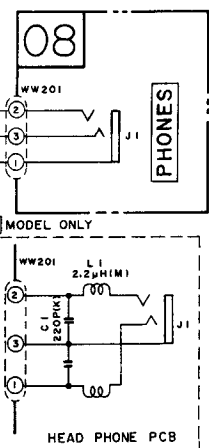
09 POWER

|    | AM-A102 |         |       |       | AM-A202 |        |      |      |
|----|---------|---------|-------|-------|---------|--------|------|------|
|    | U       | E, S, B | U     | C, A  | E, V, S | B      |      |      |
| F1 | 1.6A    | T1.25A  | 3.15A | 3.15A | T1.25A  | T1.25A | 250V | 250V |
| F2 | 1.6A    | 250V    | 250V  | 250V  | 125V    | 250V   | 250V | 250V |
|    | 250V    | —       | 250V  | —     | —       | —      | —    | —    |

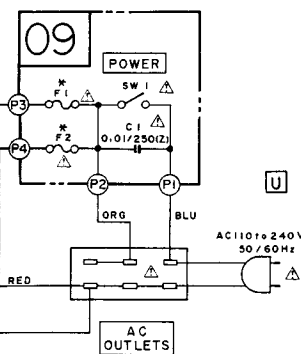
# SPEAKERS PCB



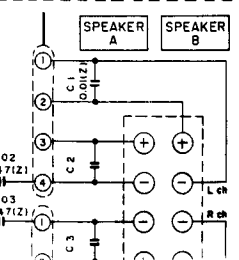
## HEAD PHONE PCB



## POWER SW PCB

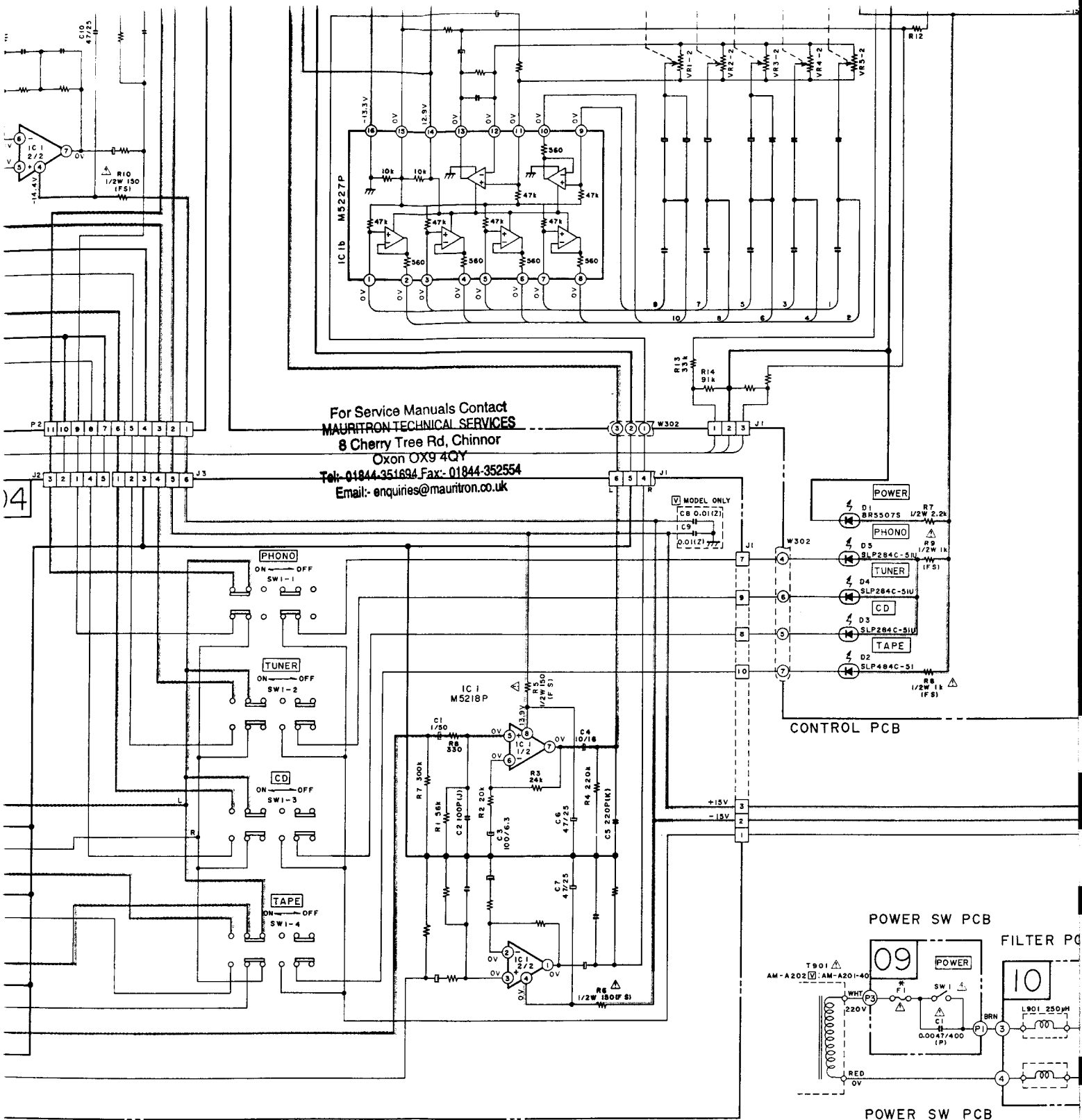


## V MODEL ONLY



1  
2  
3  
4  
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6



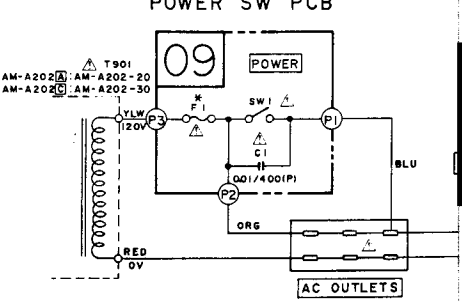
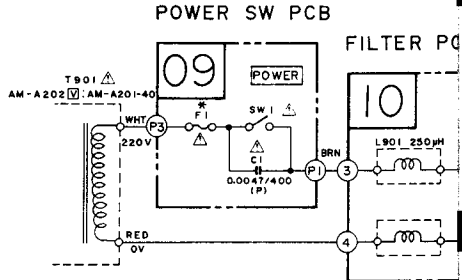
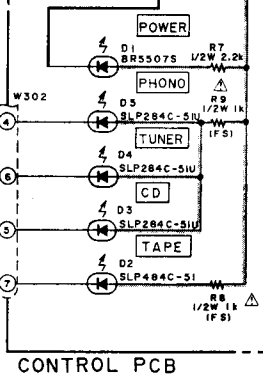


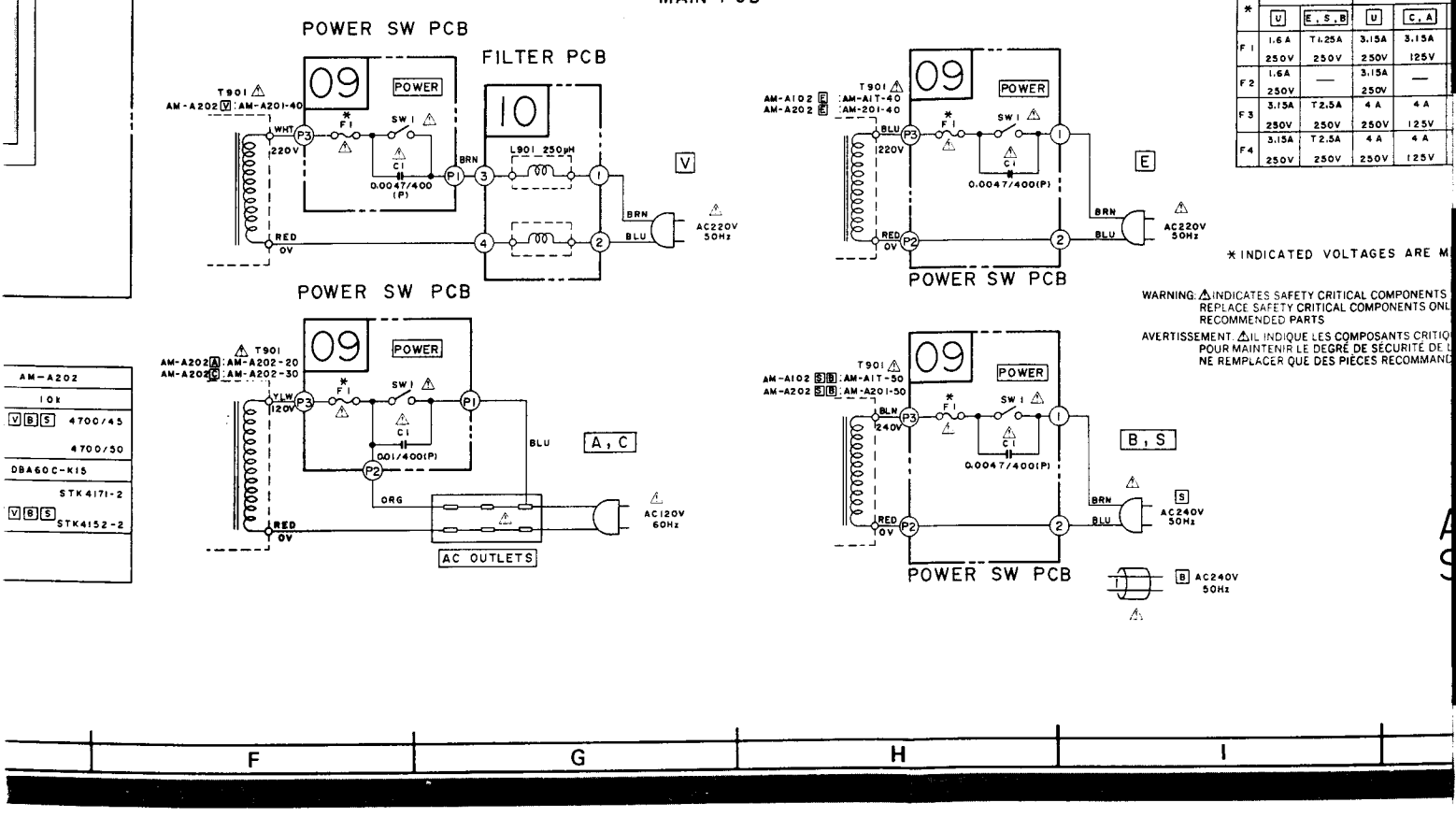
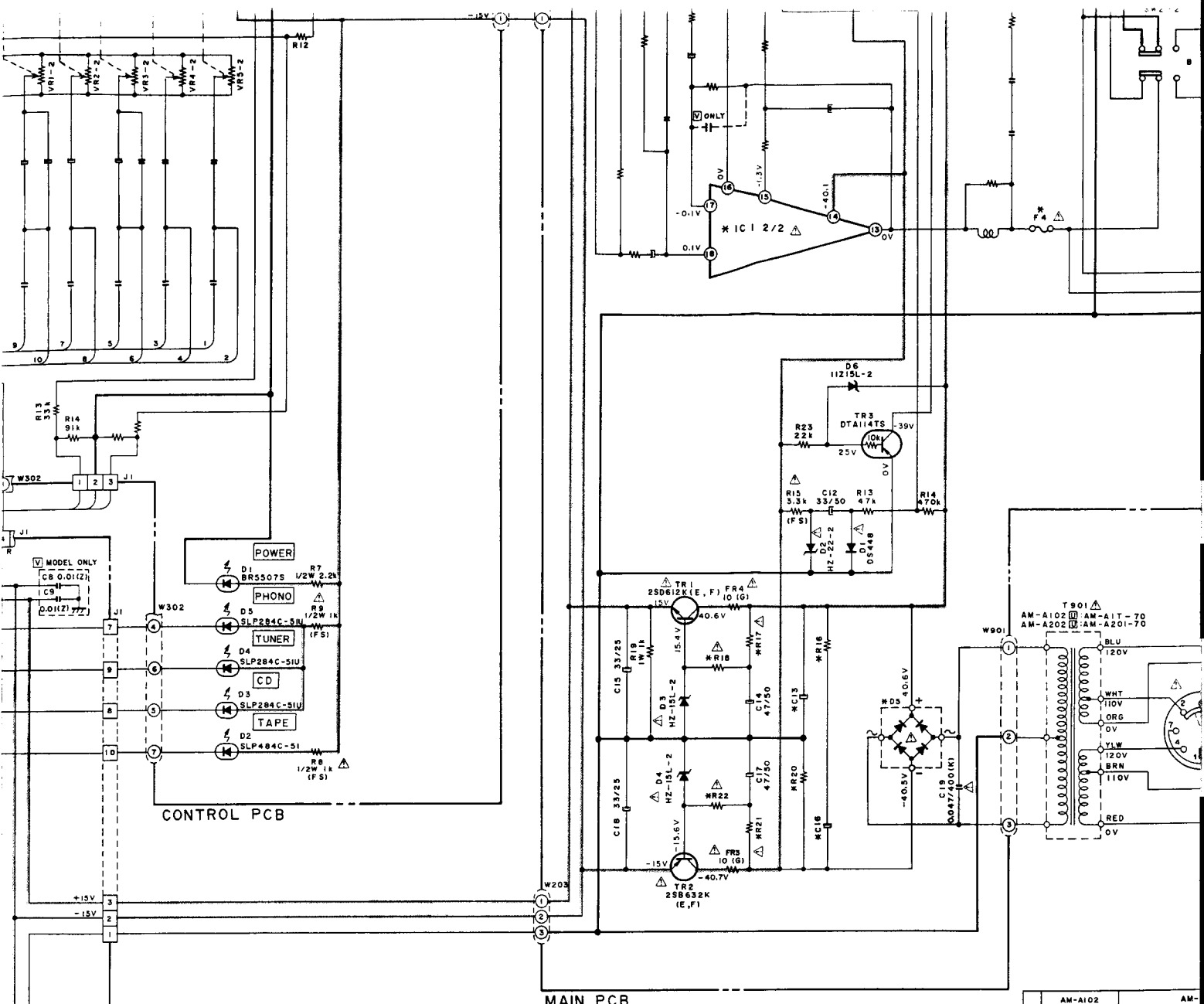
UNCTION PCB

B (POWER SUPPLY) LINE

SIGNAL LINE

| *        | AM-A102   | AM-A202         | *        | AM-A102    | AM-A202         |
|----------|-----------|-----------------|----------|------------|-----------------|
| R4       | 1.1k      | 750             | R16, R20 | 5.6k       | 10k             |
|          | UEVBS     | 820             | C15, C16 | 4700/40    | UEVBS 4700/45   |
| R10, R11 | 1/2W10    | 1W10            |          |            | CA 4700/50      |
| R12      | 1W180     | 2W220           | D5       | DBA40C-K15 | DBA60C-K15      |
| R17, R21 | 3.3k (FS) | UEVBS 3.3k (FS) | IC1      | STK4141-2  | CA STK4171-2    |
|          | CA        | 5.6k (FS)       |          |            | UEVBS STK4152-2 |
| R18, R22 | 1k (FS)   | UEVBS 1k (FS)   |          |            |                 |
|          | CA        | 1.8k (FS)       |          |            |                 |





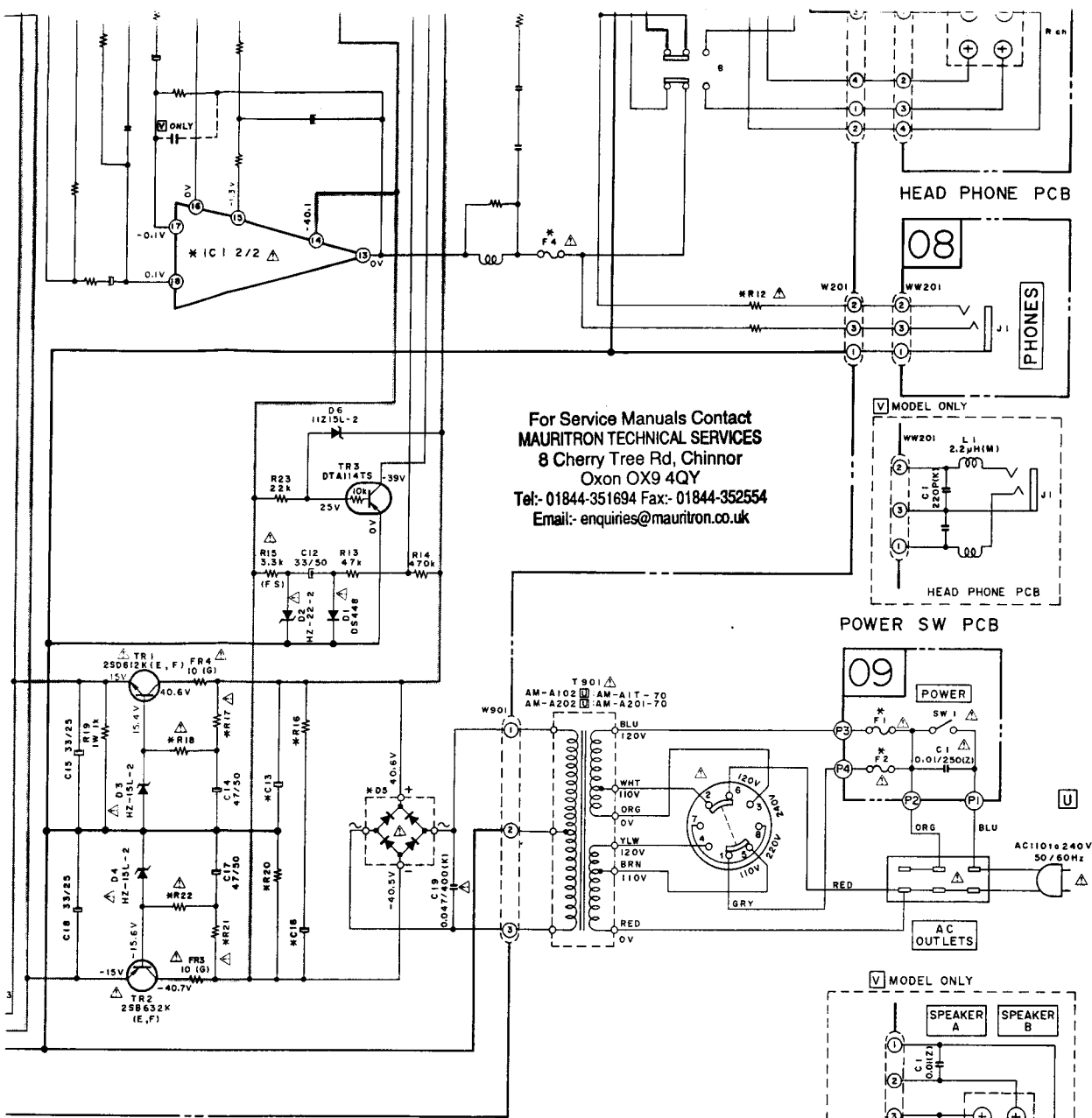
| *  | AM-A102 |        |       |       | AM-A201-70 |   |   |  |
|----|---------|--------|-------|-------|------------|---|---|--|
|    | U       | E      | S     | B     | U          | C | A |  |
| F1 | 1.6A    | T1.25A | 3.15A | 3.15A |            |   |   |  |
| F2 | 1.6A    |        | 3.15A |       |            |   |   |  |
| F3 | 3.15A   | T2.5A  | 4A    | 4A    |            |   |   |  |
| F4 | 250V    | 250V   | 250V  | 125V  |            |   |   |  |
|    | 250V    | 250V   | 250V  | 125V  |            |   |   |  |

\* INDICATED VOLTAGES ARE M

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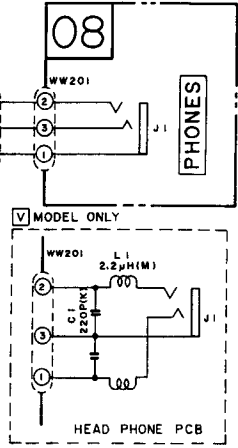
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| AM-A202    |           |
|------------|-----------|
| 10X        | 4700/45   |
| V B S      | 4700/50   |
| DBA60C-K15 | STK4171-2 |
| V B S      | STK4152-2 |

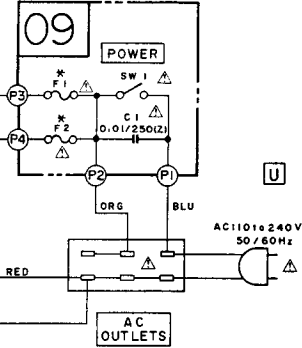


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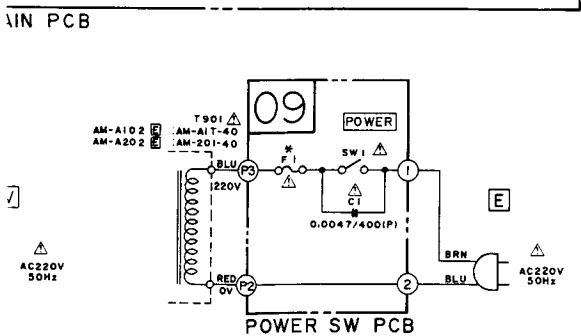
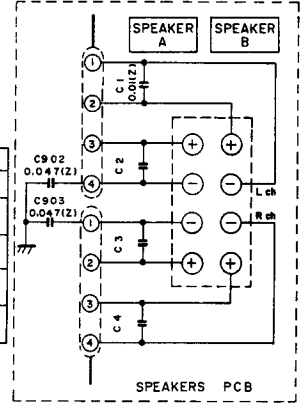
HEAD PHONE PCB



POWER SW PCB



V MODEL ONLY



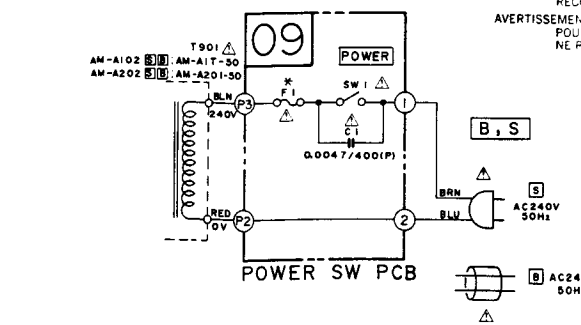
POWER SW PCB

| * U | AM-A102 |        |       | AM-A202 |        |        |  |
|-----|---------|--------|-------|---------|--------|--------|--|
|     | E, S, B | U      | C, A  | E, V, S | B      |        |  |
| F1  | 1.6A    | T1.25A | 3.15A | 3.15A   | T1.25A | T1.25A |  |
|     | 250V    | 250V   | 250V  | 125V    | 250V   | 250V   |  |
| F2  | 1.6A    | —      | 3.15A | —       | —      | —      |  |
|     | 250V    | —      | 250V  | —       | —      | —      |  |
| F3  | 3.15A   | T2.5A  | 4A    | 4A      | T3.15A | T3.15A |  |
|     | 250V    | 250V   | 250V  | 125V    | 250V   | 250V   |  |
| F4  | 3.15A   | T2.5A  | 4A    | 4A      | T3.15A | T3.15A |  |
|     | 250V    | 250V   | 250V  | 125V    | 250V   | 250V   |  |

\* INDICATED VOLTAGES ARE MEASURED AT CD AND NO INPUT

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

NOTE  
 UNLESS OTHERWISE SPECIFIED  
 ALL RESISTORS IN OHMS 1/4W(J)  
 ALL CAPACITORS IN μF 50WV(J)  
 POWER TRANSFORMER IS DIFFERENT  
 ACCORDING TO AREA



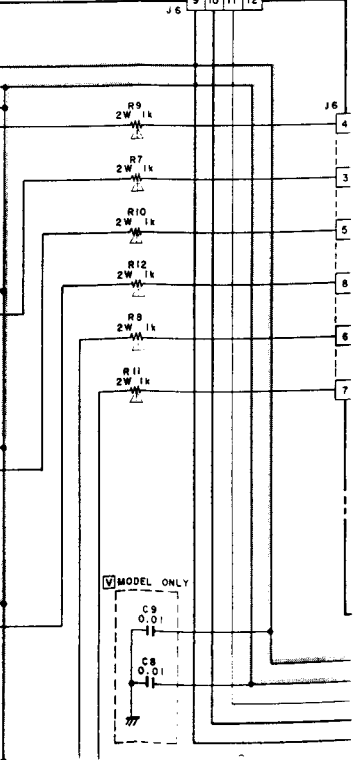
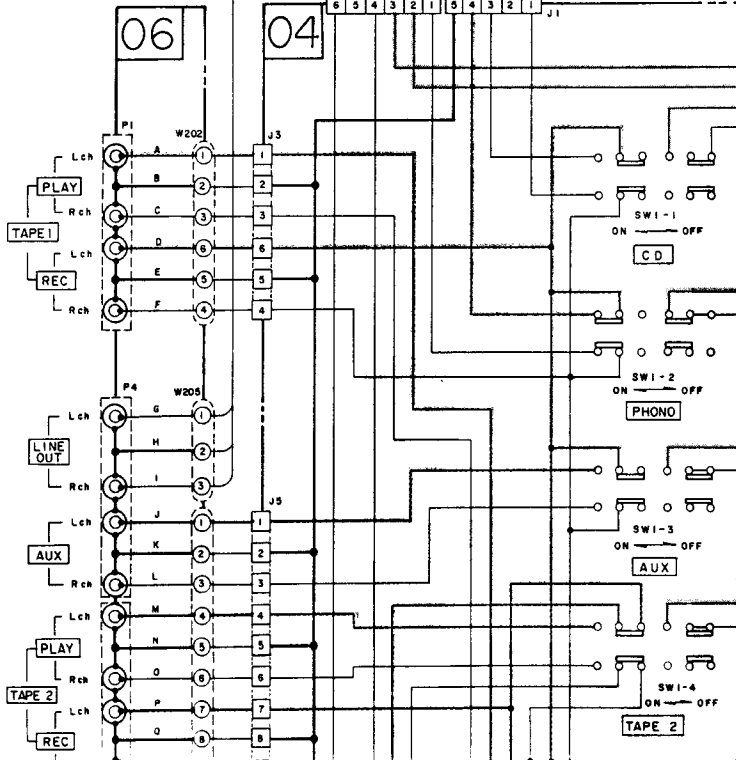
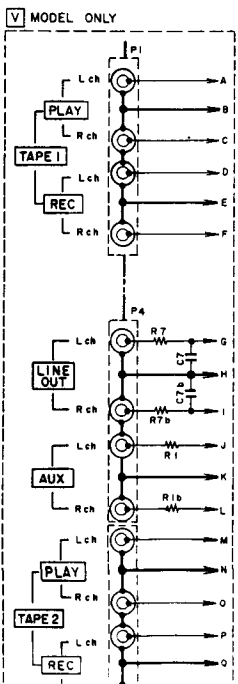
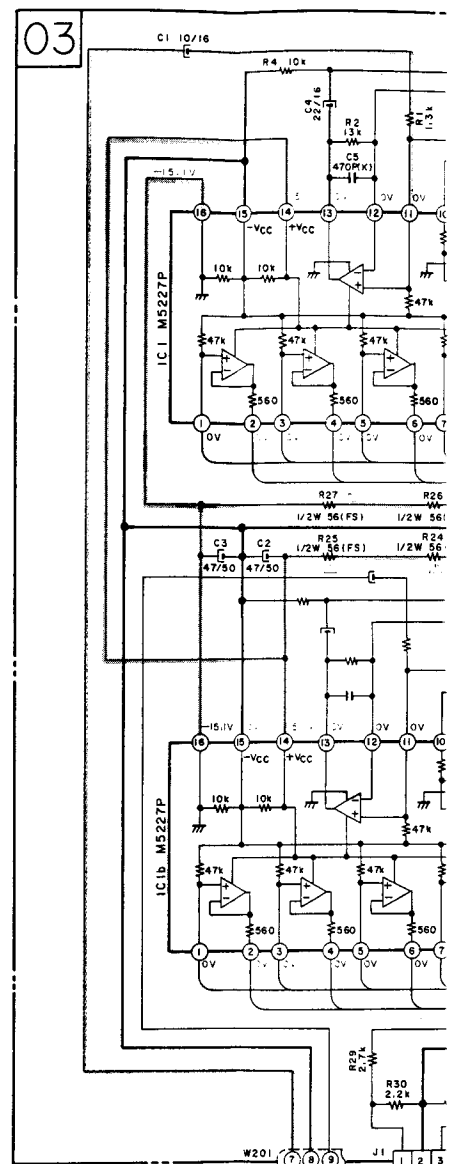
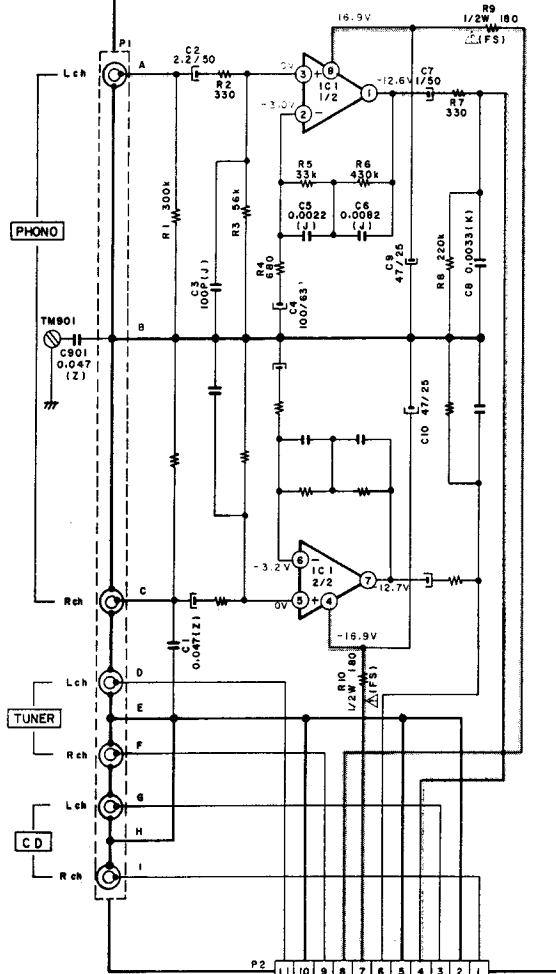
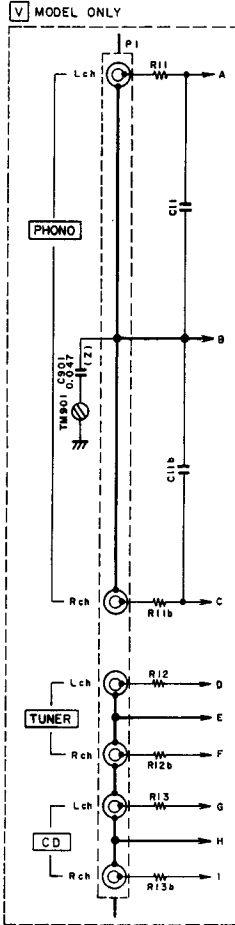
POWER SW PCB

AM-A102/202  
 SCHEMATIC DIAGRAM  
 No. 860612A

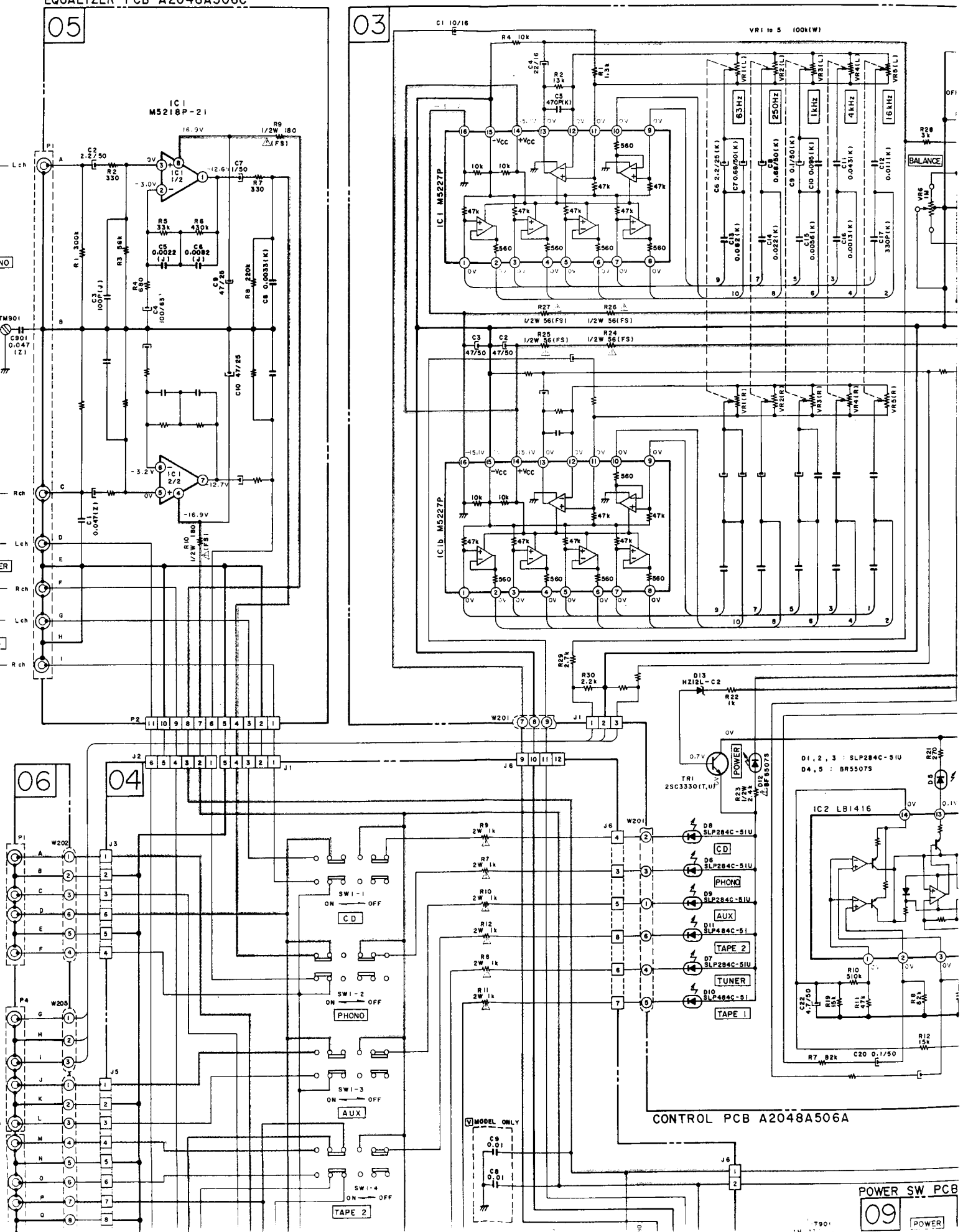
AM-A302/402

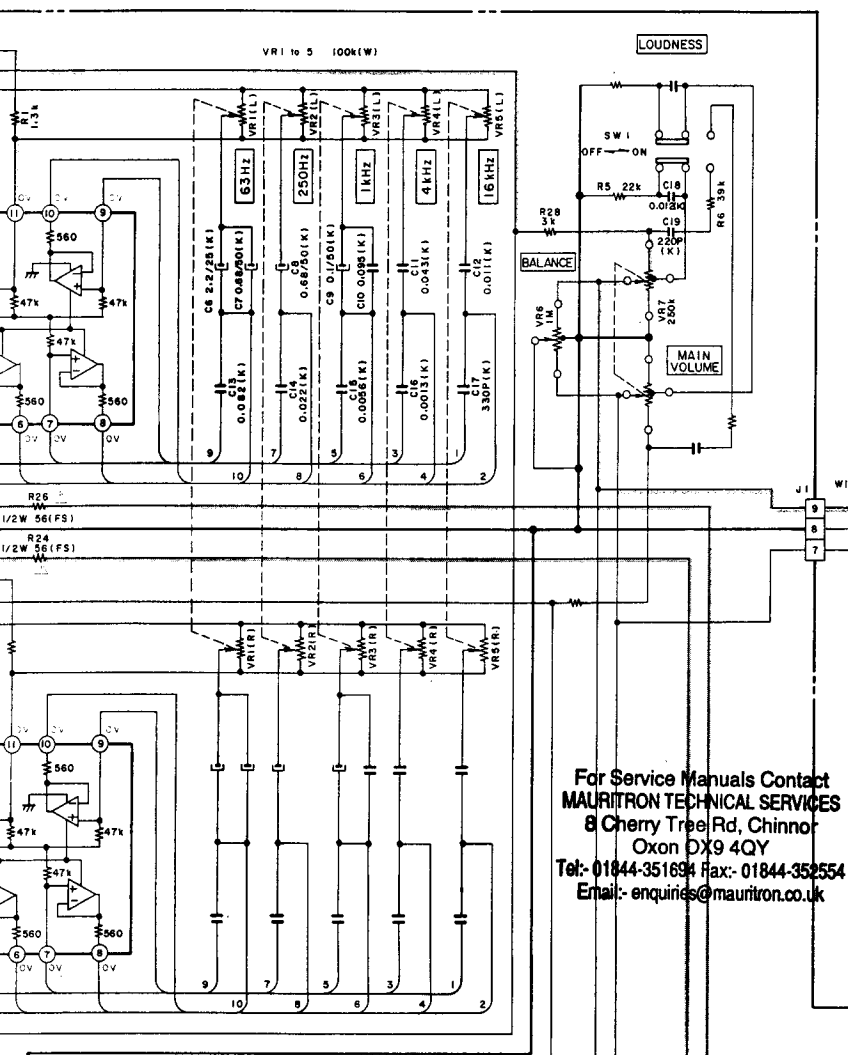
EQUALIZER PCB A2048A506C

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IC1  
M5218P-21

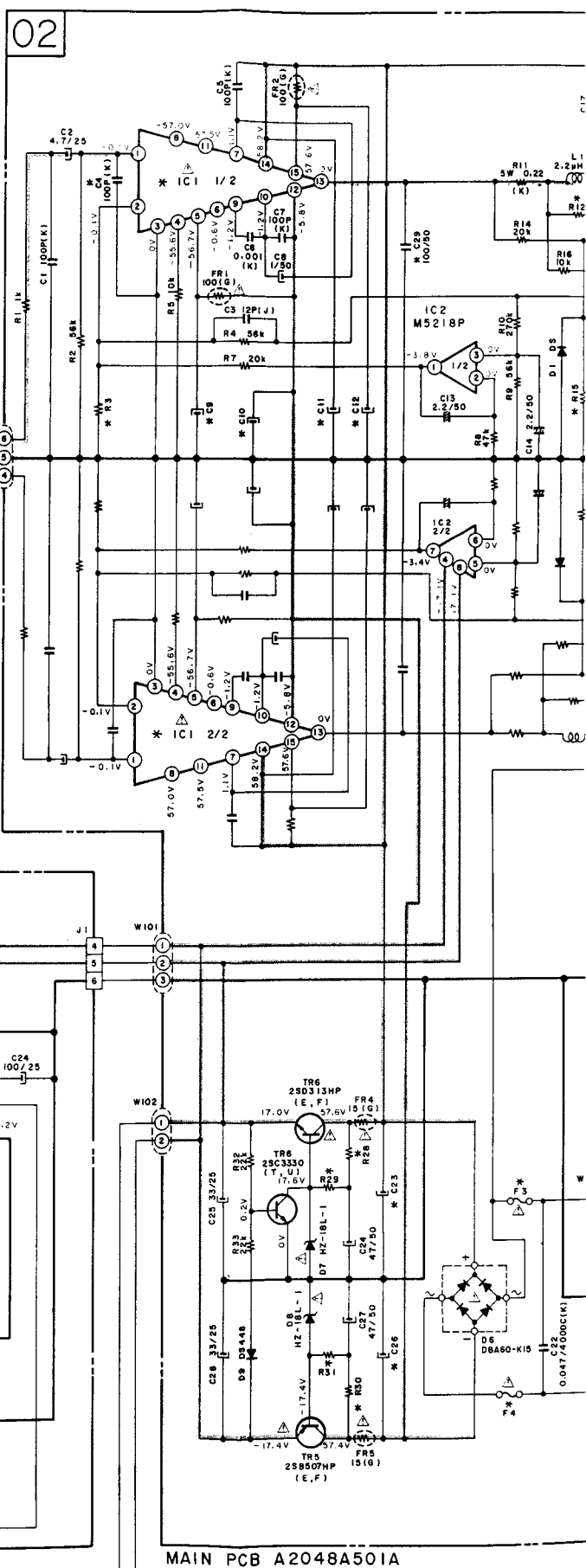
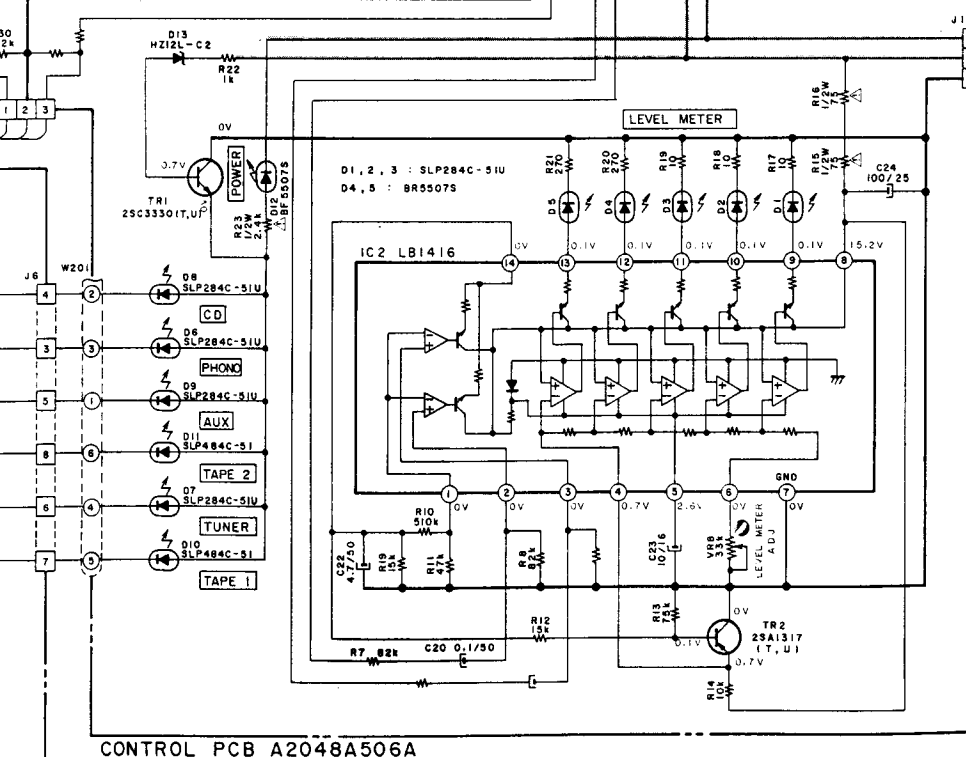


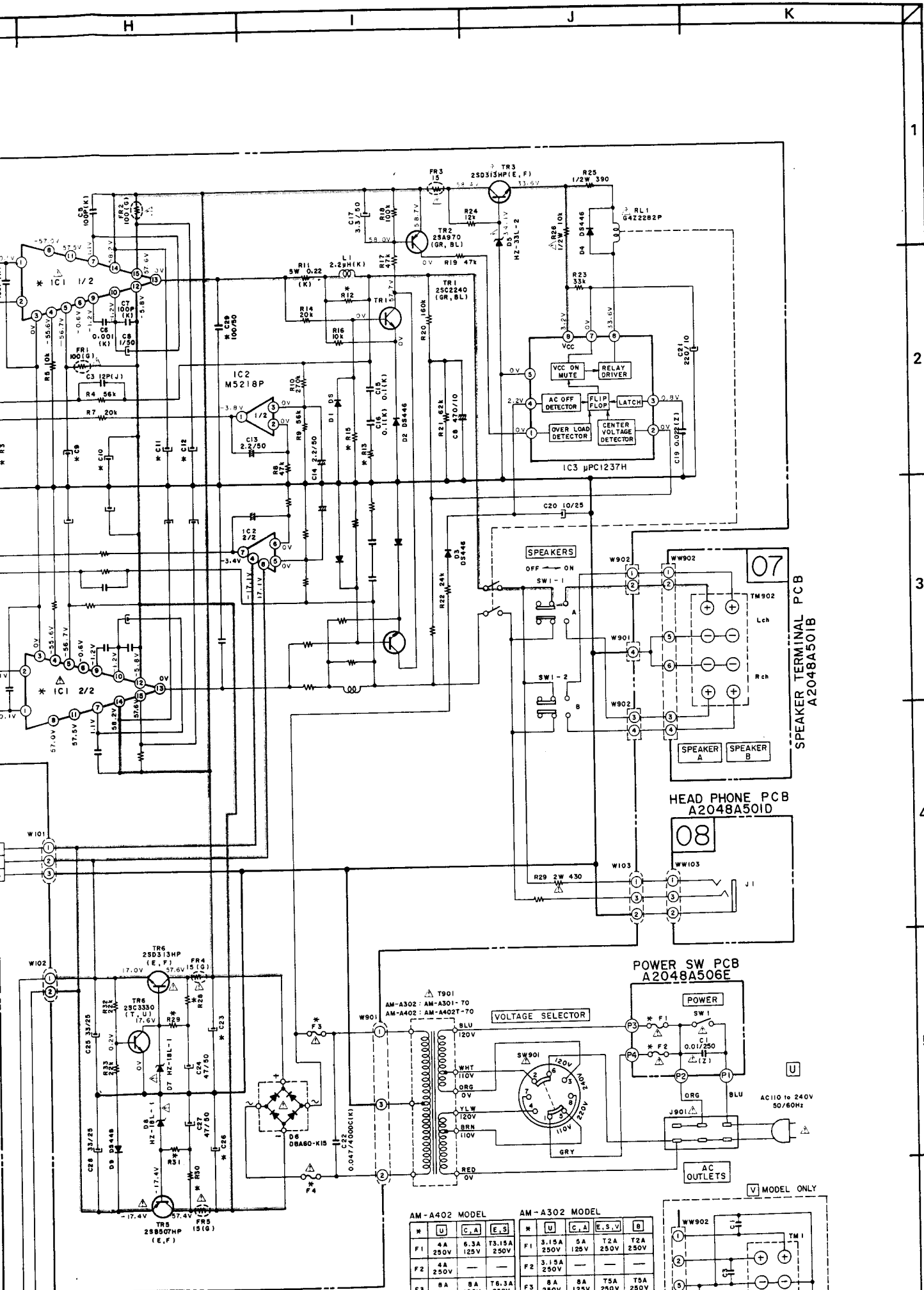
EQUALIZER PCB A2048A506C





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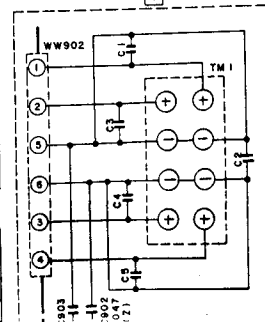
MAIN PCB A2048A501A

POWER SW PCB  
A2048A506E

B (POWER SUPPLY) LINE

| AM-A402 MODEL |      |      |      |        | AM-A302 MODEL |       |       |      |      |
|---------------|------|------|------|--------|---------------|-------|-------|------|------|
| * U           | C.A  | E.S  |      |        | * U           | C.A   | E.S.V | B    |      |
| F1            | 4A   | 5.3A | 250V | T3.15A | F1            | 3.15A | 5A    | T2A  | T2A  |
|               | 250V | 125V | 250V | 250V   |               | 250V  | 125V  | 250V | 250V |
| F2            | 4A   | —    | —    | —      | F2            | 3.15A | —     | —    | —    |
|               | 250V | —    | —    | —      |               | 250V  | —     | —    | —    |
| F3            | 8A   | 250V | 8A   | T6.3A  | F3            | 8A    | 250V  | 8A   | T5A  |
|               | 125V | 250V | 125V | 250V   |               | 250V  | 125V  | 250V | 250V |
| F4            | 8A   | 250V | 8A   | T6.3A  | F4            | 8A    | 250V  | 8A   | T5A  |
|               | 125V | 250V | 125V | 250V   |               | 250V  | 125V  | 250V | 250V |

| * U      | AM-A302 | AM-A402 |
|----------|---------|---------|
| C10, C11 | 10/63   | 10/100  |
| C9, C12  | 100/63  | 100/80  |
| C4, C29  | V ONLY  | 100P    |



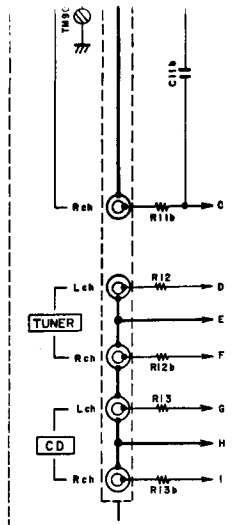
SPEAKER TERMINAL PCB  
A2048A501B

HEAD PHONE PCB  
A2048A501D

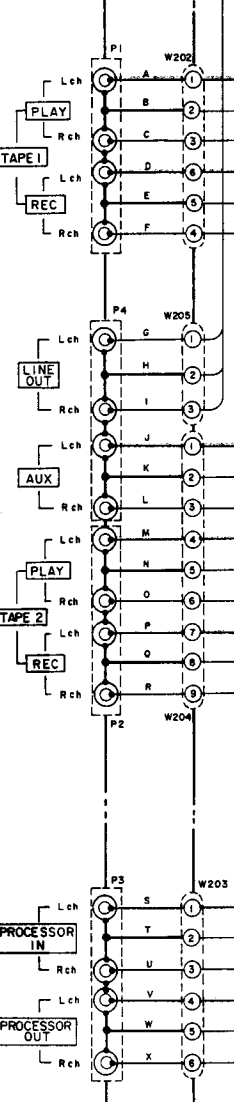
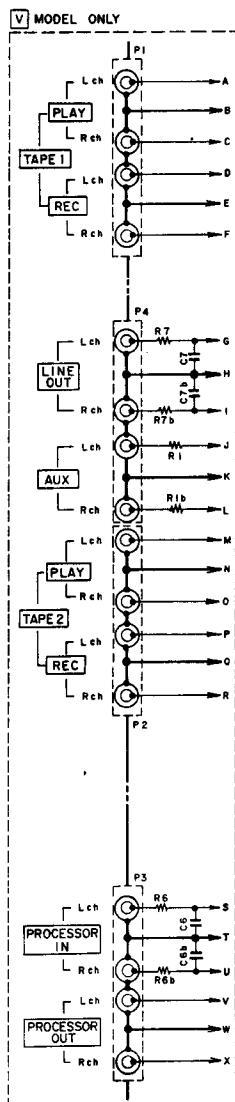
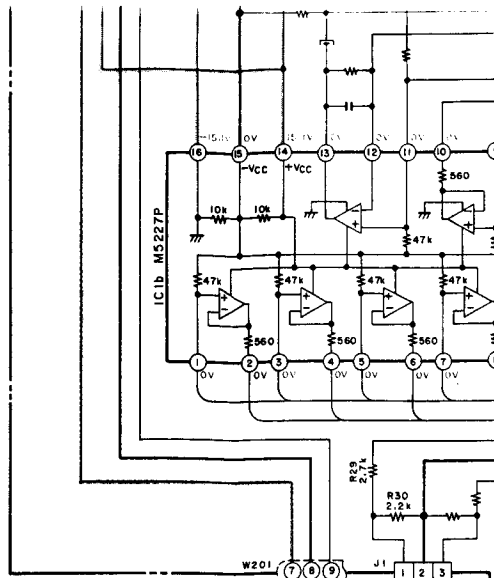
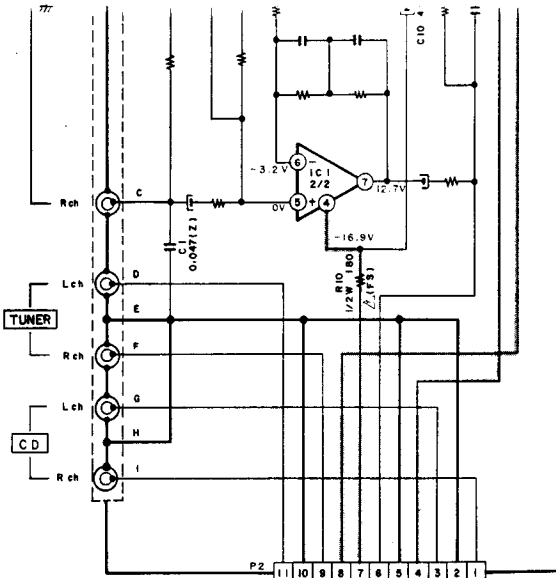
POWER SW PCB  
A2048A506E

VOLTAGE SELECTOR

AC OUTLETS

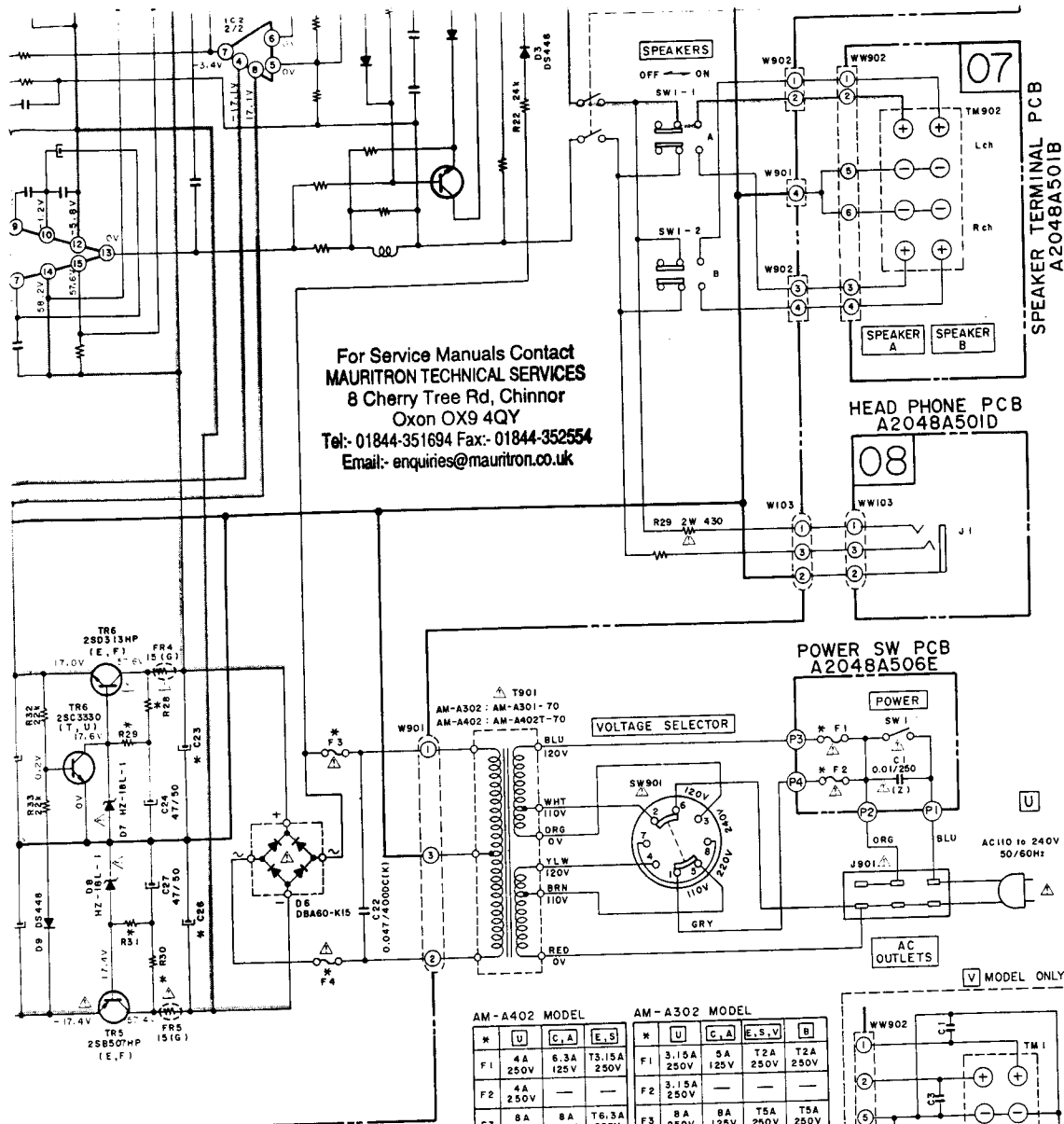


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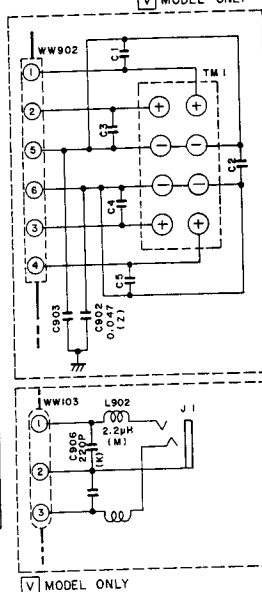
**G**





| AM-A402 MODEL |           |             |               |         | AM-A302 MODEL |          |  |  |  |
|---------------|-----------|-------------|---------------|---------|---------------|----------|--|--|--|
| * U           | C, A      | E, S        | * U           | C, A    | E, S, V       | B        |  |  |  |
| F1 4A 250V    | 6.3A 125V | T3.15A 250V | F1 3.15A 250V | 5A 125V | T2A 250V      | T2A 250V |  |  |  |
| F2 4A 250V    | —         | —           | F2 3.15A 250V | —       | —             | —        |  |  |  |
| F3 6A 250V    | 8A 125V   | T6.3A 250V  | F3 8A 125V    | 8A 125V | T5A 250V      | T5A 250V |  |  |  |
| F4 8A 250V    | 8A 125V   | T6.3A 250V  | F4 8A 125V    | 8A 125V | T5A 250V      | T5A 250V |  |  |  |

| * U      | AM-A302   | AM-A402   |
|----------|-----------|-----------|
| C10, C11 | 10/63     | 10/100    |
| C9, C12  | 100/63    | 100/80    |
| C4, C29  | 100P      | 100P      |
| C23, C26 | 6800/55   | 6800/71   |
| R3       | 750       | 620       |
| R12, R13 | 1W 10     | 2W 10     |
| R15      | 750k      | 620k      |
| R28, R30 | 6.2k      | 6.2k      |
| R29, R31 | 2.7k      | 3k        |
| IC1      | STK4038-2 | STK4044-2 |



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

AVERTISSEMENT:  $\Delta$  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.

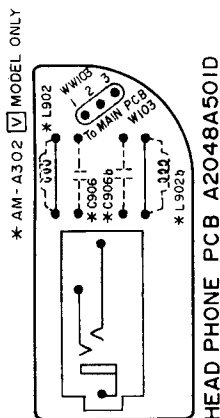
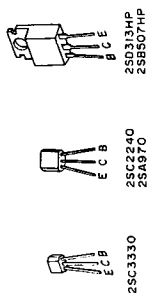
NOTE: UNLESS OTHERWISE SPECIFIED ALL RESISTORS IN OHMS 1/4W(1) ALL CAPACITORS IN  $\mu$ F 50WV(1) POWER TRANSFORMER IS DIFFERENT ACCORDING TO AREA

INDICATED VOLTAGES ARE MEASURED AT CD AND NO INPUT.

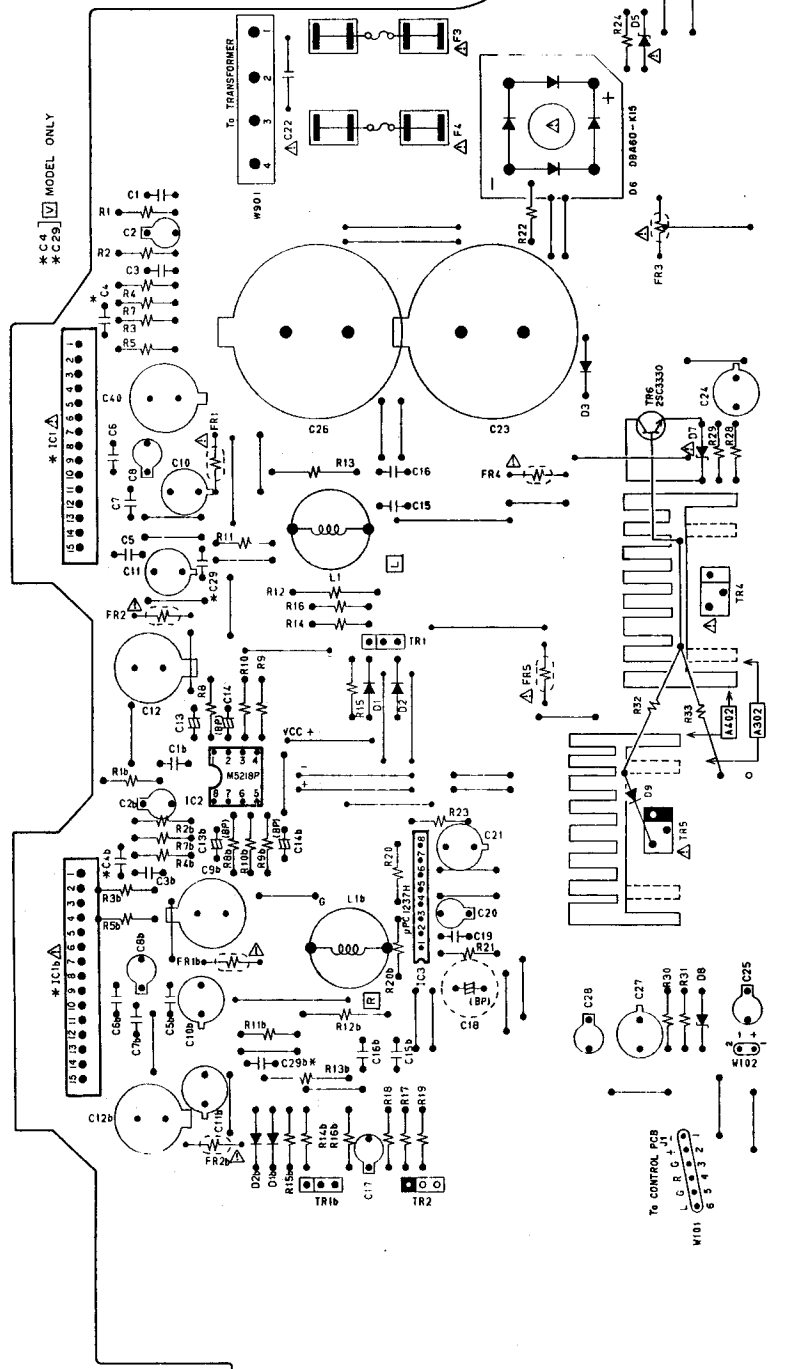
**AM-A302/402**  
**SCHEMATIC DIAGRAM**  
 No. 860614A

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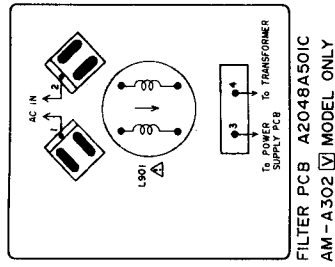
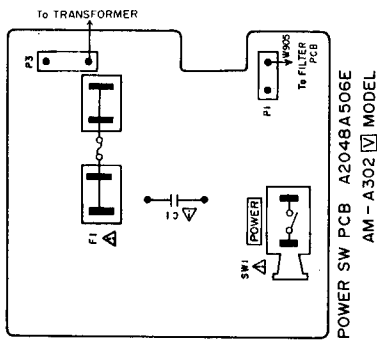
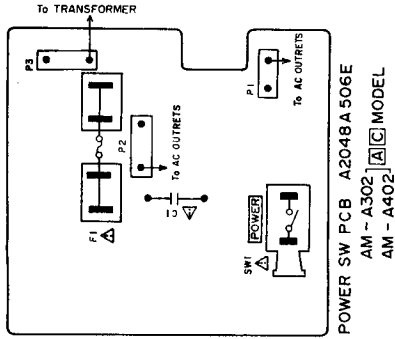
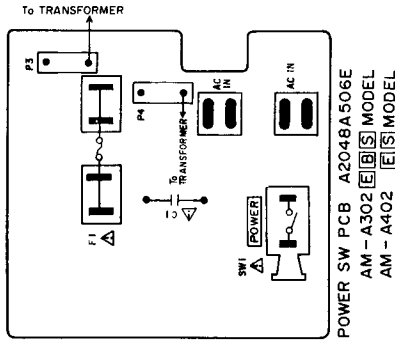
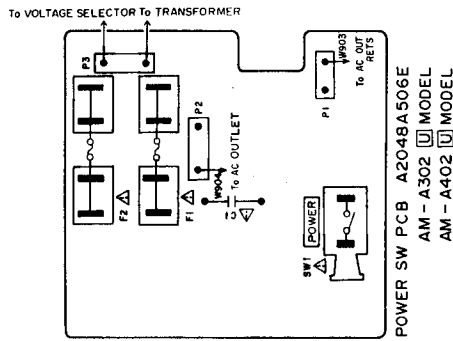
TR1 ..... 2SC2240  
 TR2 ..... 2SA970  
 TR3, TR4 ..... 2SD313HP  
 TR5 ..... 2SB507HP  
 TR6 ..... 2SC3330  
 PNP TRANSISTOR  
 NPN TRANSISTOR



\* IC1  
 AM - A302 [STK4038-2] [V] [S] MODEL  
 AM - A402 [STK4042-2] [V] [S] MODEL

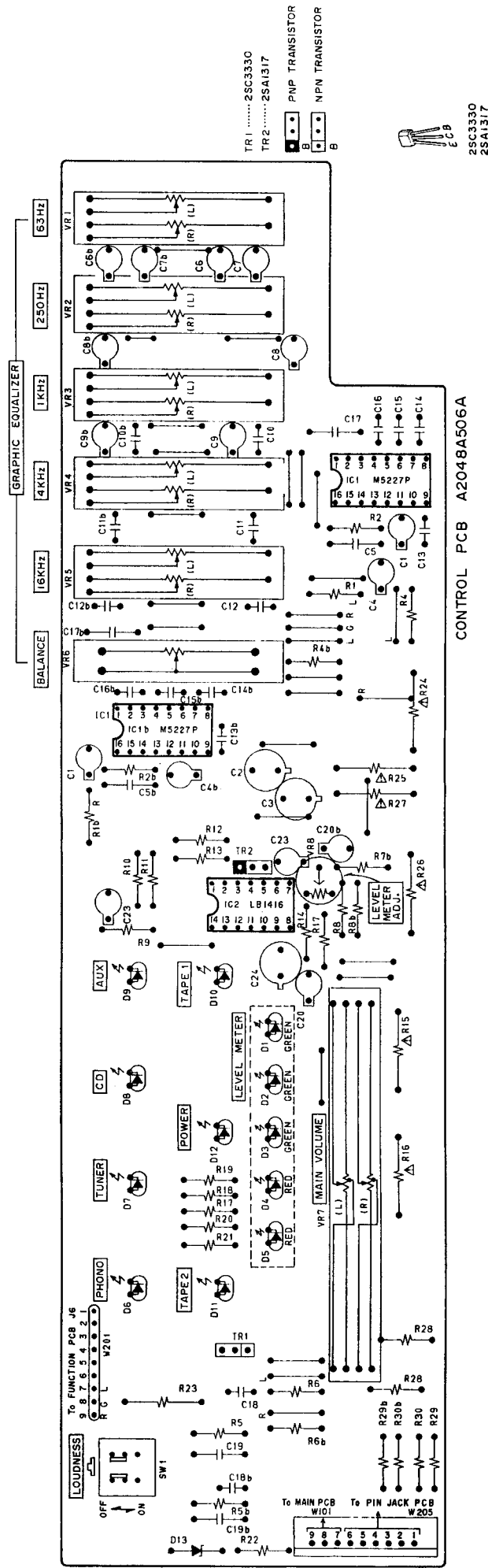


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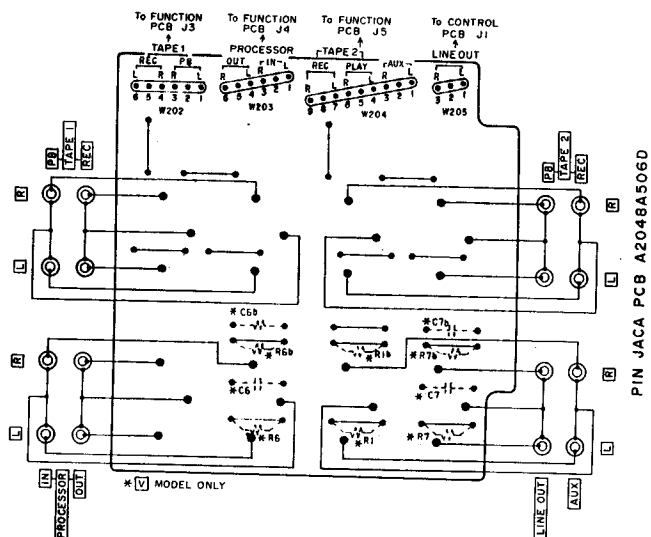
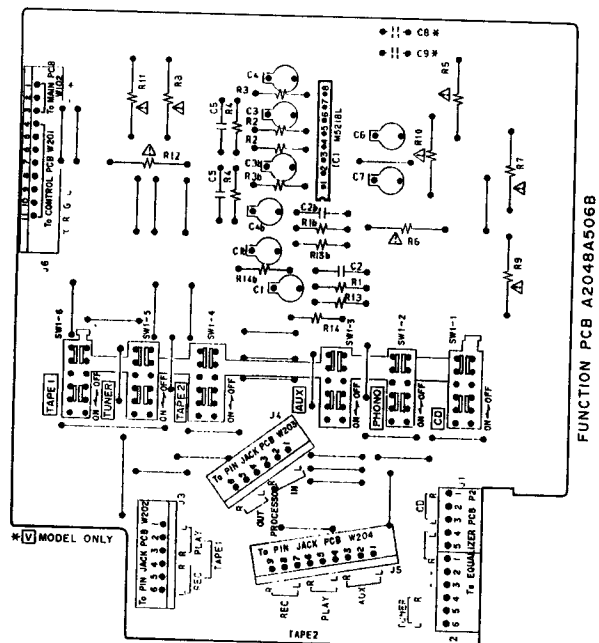
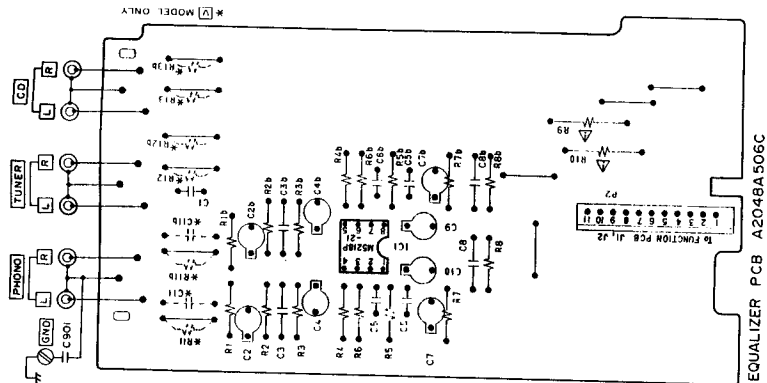


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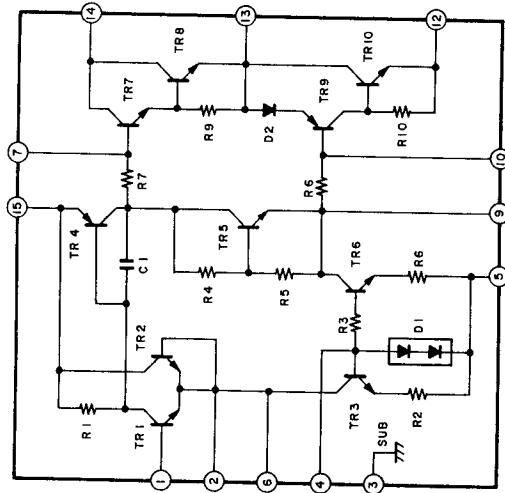
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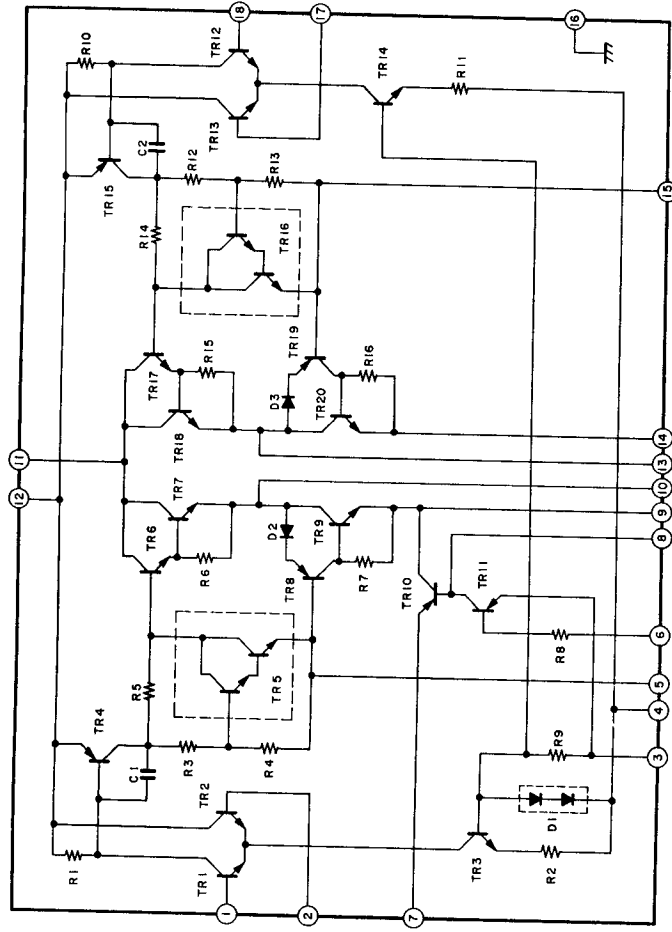
MODEL AM-A302  
STK4038-2  
STK4042-2

MODEL AM-A402  
STK4044-2



MODEL AM-A102  
STK4141-2

MODEL AM-A202  
STK4171-2  
STK4152-2



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