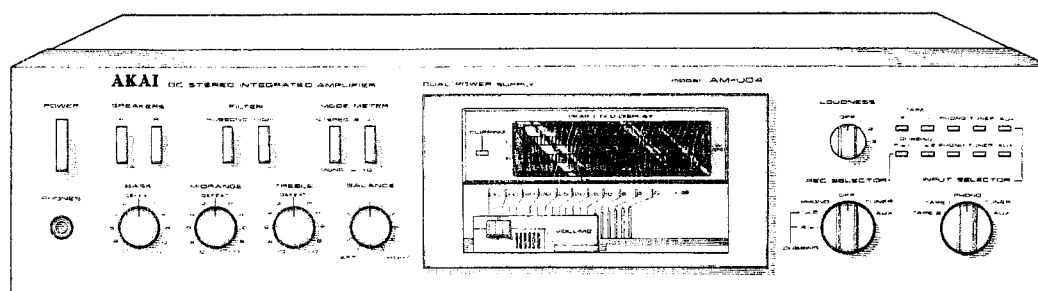
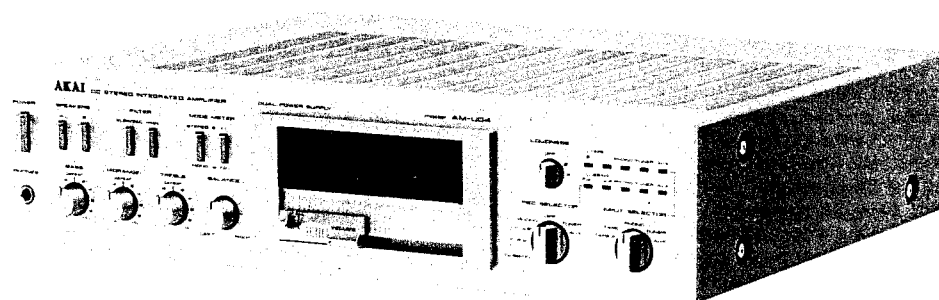


# AKAI SERVICE MANUAL



STEREO INTEGRATED AMPLIFIER

MODEL **AM-U04**



## STEREO INTEGRATED AMPLIFIER

MODEL **AM- U04**

ALSO APPLICABLE TO BLACK PANEL MODEL

|           |                         |    |
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## SECTION 1

# SERVICE MANUAL

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For basic adjustments, measuring methods, and operating principles, refer to GENERAL TECHNICAL MANUAL.

# I . TECHNICAL DATA

## POWER AMPLIFIER SECTION

|                             |                    |                                                                                                                       |
|-----------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------|
| RATED POWER OUTPUT          |                    |                                                                                                                       |
|                             | 2-CHANNELS DRIVEN  | 48 watts per channel, minimum RMS. at 8 ohms from 20 to 20,000 Hz with no more than 0.008% total harmonic distortion. |
| POWER BANDWIDTH (IHF)       |                    | 6 Hz to 60 kHz/8 ohms (Total Harmonic distortion 0.05%)                                                               |
| SIGNAL TO NOISE RATIO (IHF) | PHONO              | Better than 82 dB                                                                                                     |
|                             | AUX                | Better than 95 dB                                                                                                     |
| RESIDUAL NOISE              |                    | Less than 0.5 mV at 8 ohms                                                                                            |
| CHANNEL SEPARATION (IHF)    | PHONO              | Better than 60 dB at 1,000 Hz                                                                                         |
|                             |                    |                                                                                                                       |
| DAMPING FACTOR              |                    | More than 140 (1 kHz, 8 ohms)                                                                                         |
| OUTPUT EXPIRED LOAD         |                    |                                                                                                                       |
|                             | IMPEDANCE SPEAKERS | A, B (4 to 16 ohms)/A+B (8 to 16 ohms)                                                                                |

## PREAMPLIFIER SECTION

|                             |                           |                                                |
|-----------------------------|---------------------------|------------------------------------------------|
| INPUT SENSITIVITY/IMPEDANCE |                           |                                                |
|                             | PHONO                     | 3 mV/47 kohms                                  |
|                             | AUX                       | 150 mV/100 kohms                               |
|                             | TUNER                     | 150 mV/100 kohms                               |
|                             | TAPE MONITOR              | PIN: 150 mV/100 kohms<br>DIN: 150 mV/100 kohms |
| OUTPUT LEVEL/IMPEDANCE      | TAPE REC                  | PIN: 150 mV/1 kohms<br>DIN: 30 mV/30 kohms     |
|                             | PRE OUTPUT                | 1 mV/1 kohms                                   |
| FREQUENCY RESPONSE          |                           |                                                |
|                             | PHONO (RIAA EQUALIZATION) | 30 Hz to 15 kHz +0.2 dB, -0.2 dB               |
|                             | TUNER, AUX, TAPE MONITOR  | 6 Hz to 100 kHz +0 dB, -0.2 dB                 |
| TONE CONTROL                | BASS                      | ±8 dB at 100 Hz                                |
|                             | MIDRANGE                  | ±6 dB at 1 kHz                                 |
|                             | TREBLE                    | ±8 dB at 10 kHz                                |
|                             |                           |                                                |
| LOUDNESS CONTROL            |                           | at 100 Hz      at 10 kHz                       |
|                             |                           | 1. 3 dB      1. 2.5 dB                         |
|                             |                           | 2. 6 dB      2. 5 dB                           |
|                             |                           | 3. 9 dB      3. 8 dB                           |
|                             |                           | (Volume control set at -30 dB position)        |
| FILTER                      | HIGH                      | -3 dB at 10 kHz                                |
|                             | LOW                       | -3 dB at 18 Hz                                 |

## MISCELLANEOUS

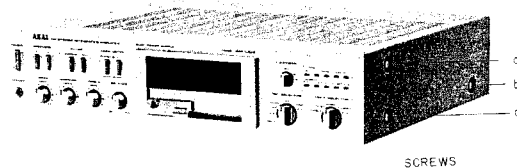
|                    |         |                                                                                                                                                                                                         |
|--------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| POWER REQUIREMENTS |         | 100 V, 50/60 Hz for Japan<br>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/220 V/240 V, 50/60 Hz internally switchable for others. |
| POWER CONSUMPTION  | U/T     | 210 W                                                                                                                                                                                                   |
|                    | AAL     | 150 W                                                                                                                                                                                                   |
|                    | CSA     | 250 W                                                                                                                                                                                                   |
|                    | CEE     | 340 W                                                                                                                                                                                                   |
|                    | JPN     | 375 W                                                                                                                                                                                                   |
|                    | UK, SAA | 380 W                                                                                                                                                                                                   |
| DIMENSIONS         |         | 440 (W) x 105 (H) x 308 (D) mm<br>(17.3 x 4.1 x 12.1 inches)                                                                                                                                            |
| WEIGHT             |         | 10.1 kg (22.2 lbs)                                                                                                                                                                                      |

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

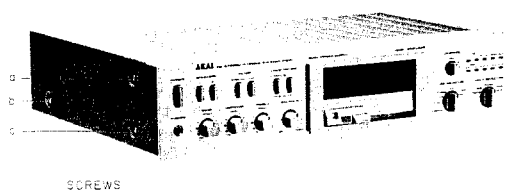
## II. DISMANTLING OF UNIT

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

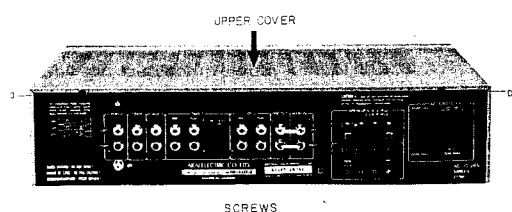
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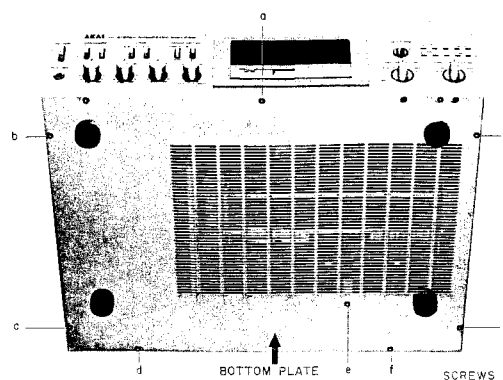
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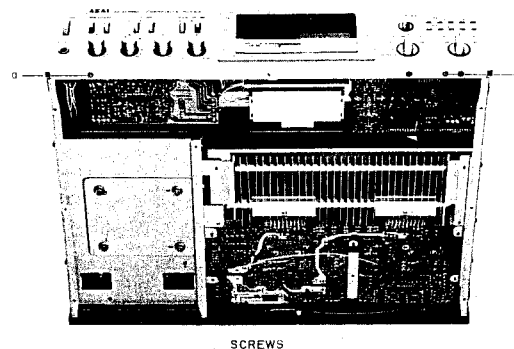
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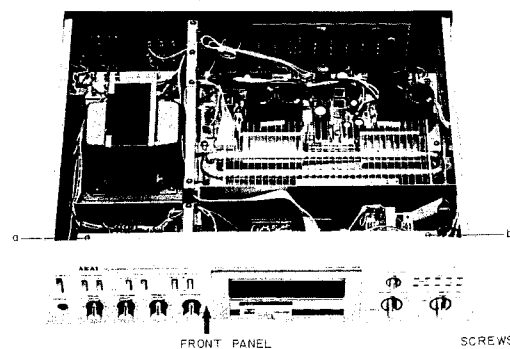
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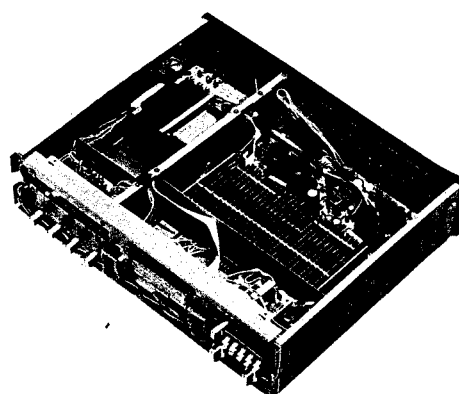
5



6



7



### III. CONTROLS

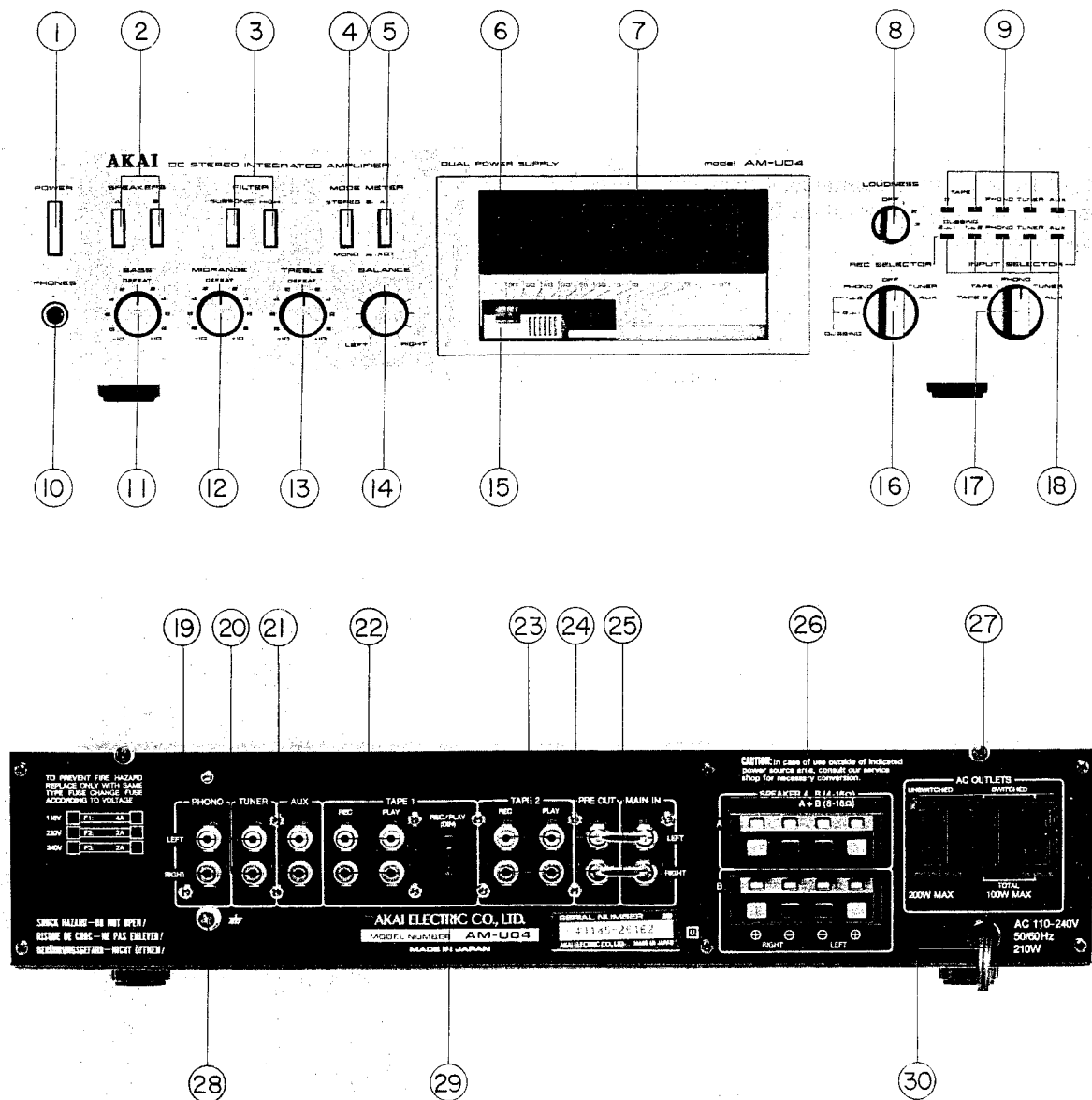


Fig. 1 Controls

- |                                     |                                                                                                                        |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| 1. POWER SWITCH                     | 18. RECORDING SELECTOR INDICATOR                                                                                       |
| 2. SPEAKER SYSTEM SELECTOR SWITCHES | 19. PHONO TERMINALS                                                                                                    |
| 3. FILTER SWITCHES                  | 20. TUNER TERMINALS                                                                                                    |
| 4. MODE SELECTOR                    | 21. AUX TERMINALS                                                                                                      |
| 5. METER SWITCH                     | 22. TAPE 1 SYSTEM REC/PLAY TERMINALS                                                                                   |
| 6. CLIPPING INDICATOR               | 23. TAPE 2 SYSTEM REC/PLAY TERMINALS                                                                                   |
| 7. FLD BAR METER                    | 24. PRE-OUT TERMINALS                                                                                                  |
| 8. LOUDNESS SWITCH                  | 25. MAIN-IN TERMINALS                                                                                                  |
| 9. INPUT SELECTOR INDICATOR         | 26. A AND B SYSTEM SPEAKER TERMINALS                                                                                   |
| 10. HEADPHONE JACK                  | 27. EXTRA AC OUTLETS (Some models are not equipped with this facility.)                                                |
| 11. BASS CONTROL                    | 28. GROUND TERMINAL                                                                                                    |
| 12. MIDRANGE TONE CONTROL           | 29. TAPE 1 SYSTEM DIN JACK (Some models do not have this facility.)                                                    |
| 13. TREBLE CONTROL                  | 30. AC CORD (Some models are equipped with an AC Inlet instead of an AC cord. Connect with an appropriate power cord.) |
| 14. STEREO BALANCE CONTROL          |                                                                                                                        |
| 15. VOLUME CONTROL                  |                                                                                                                        |
| 16. RECORDING SELECTOR              |                                                                                                                        |
| 17. INPUT SELECTOR                  |                                                                                                                        |

## IV. PRINCIPAL PARTS LOCATION

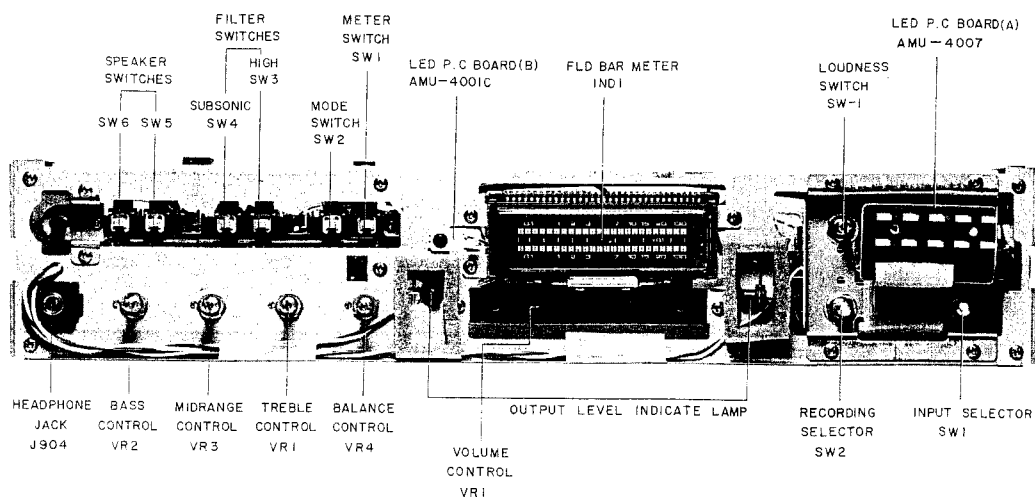


Fig. 2 Front View

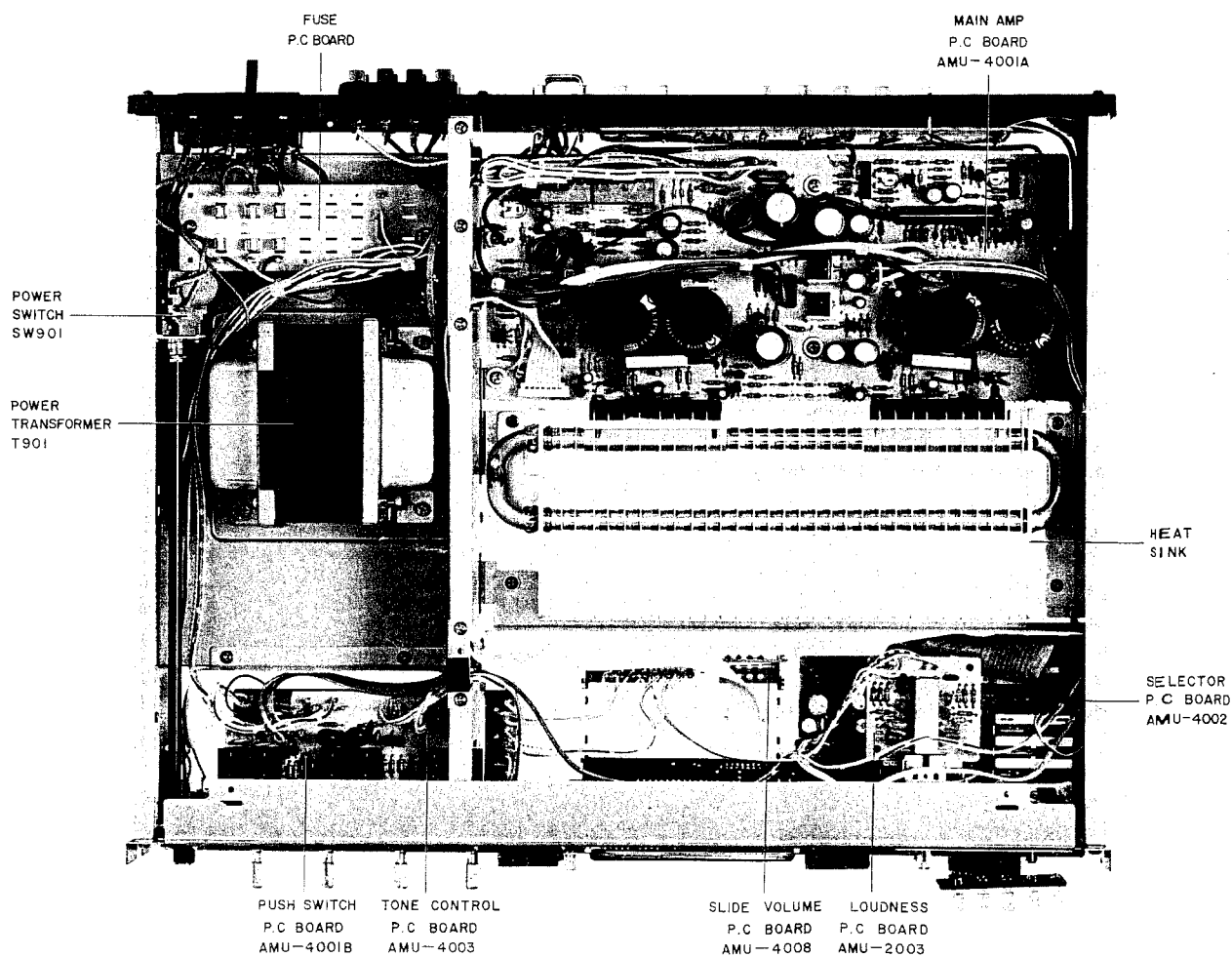


Fig. 3 Top View



## V. VOLTAGE CONVERSION

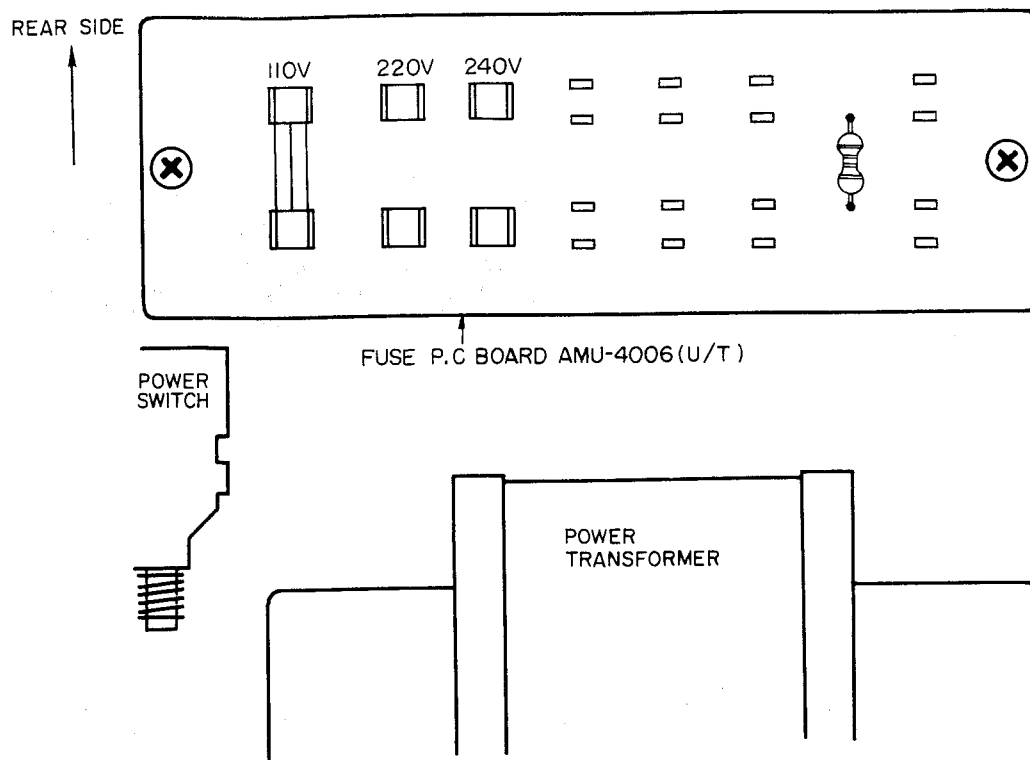


Fig. 4 Voltage Conversion (U/T Model)

Models for Canada, USA, Europe, UK, JPN and Australia are not equipped with this facility.

Each machine is preset at the factory according to destination but some machines can be set to 110 V, 220 V or 240 V as required.

If voltage change is necessary, this can be accomplished as follows.

- 1) Disconnect AC Power Cord.
- 2) Loosen holding screws and remove upper cover.
- 3) Remove existing line voltage fuse and insert required line voltage fuse in proper fuse holder, explicitly following instructions printed on rear panel.

110 V AREA: 4 A

220 V AREA: 2 A

240 V AREA: 2 A

## VI. LEVEL DIAGRAM

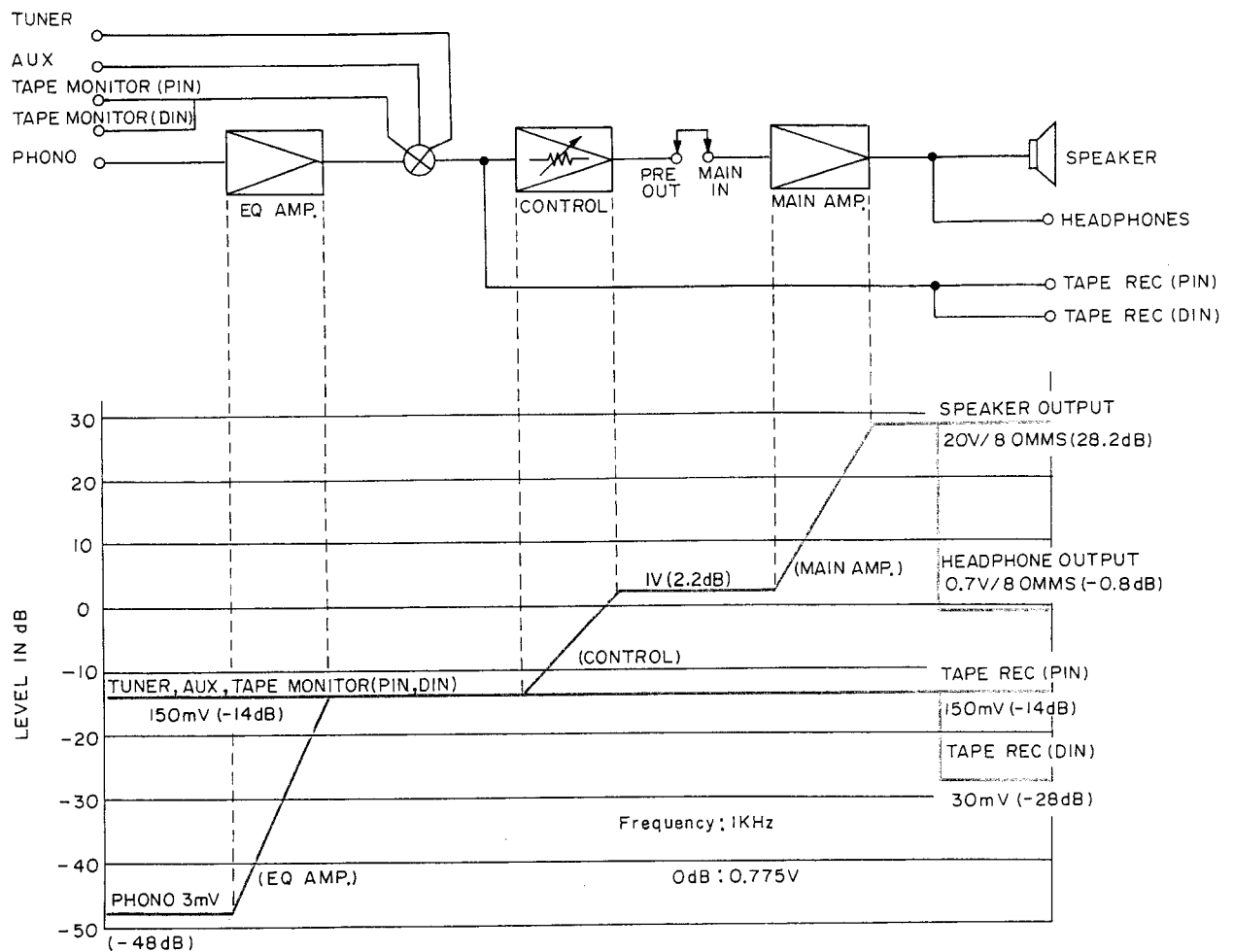


Fig. 5 Level Diagram

## VII. AMPLIFIER ADJUSTMENT

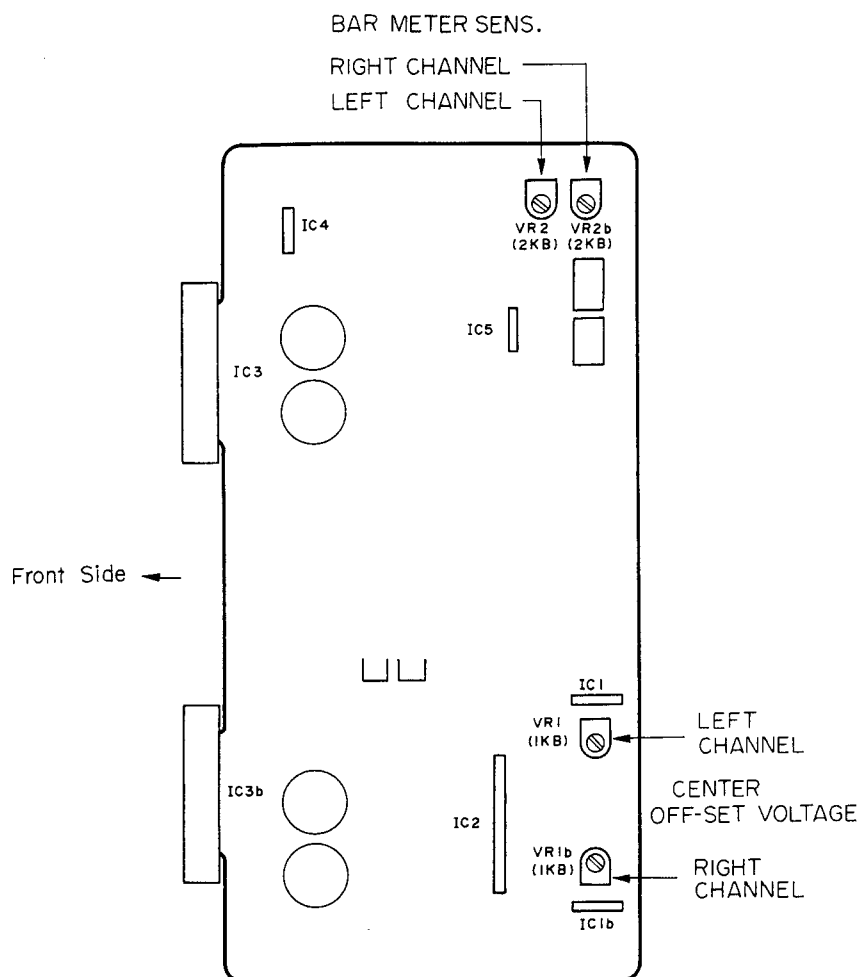


Fig. 6 Main Amp. P.C Board AMU-4001A

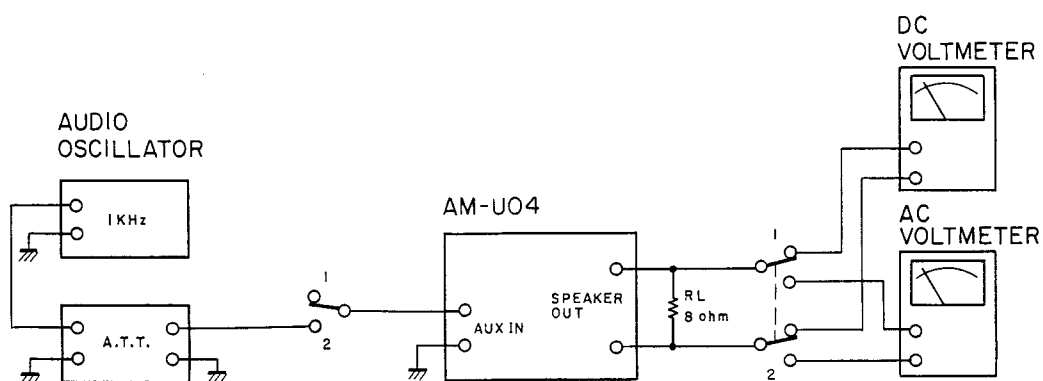


Fig. 7 Instrument Connections

### 1. CENTER OFF-SET VOLTAGE

#### ADJUSTMENT (Refer to Figs. 5, 6)

Connect the Digital Voltmeter or DC Voltmeter to the Speaker terminal. Adjust the VR 1 (1 k $\Omega$ ) on the Main Amp. P.C Board, so that the Voltmeter reading is  $0 \pm 10$  mV.

### 2. BAR METER SENSITIVITY ADJUSTMENT

#### (Refer to Figs. 5, 6)

The Meter Switch should be set to "x1". Connect a load resistor (RL: 8 ohms) to the Speaker terminal, and input 1 kHz through the AUX terminal. Adjust the VR 2 (2 k $\Omega$ ) on the Main Amp. P.C Board until the voltage at both ends of the load resistor is 10.95 V (AC voltmeter) were the Power Meter indicate 15 watts.

VIII. CLASSIFICATION OF VARIOUS P.C BOARDS

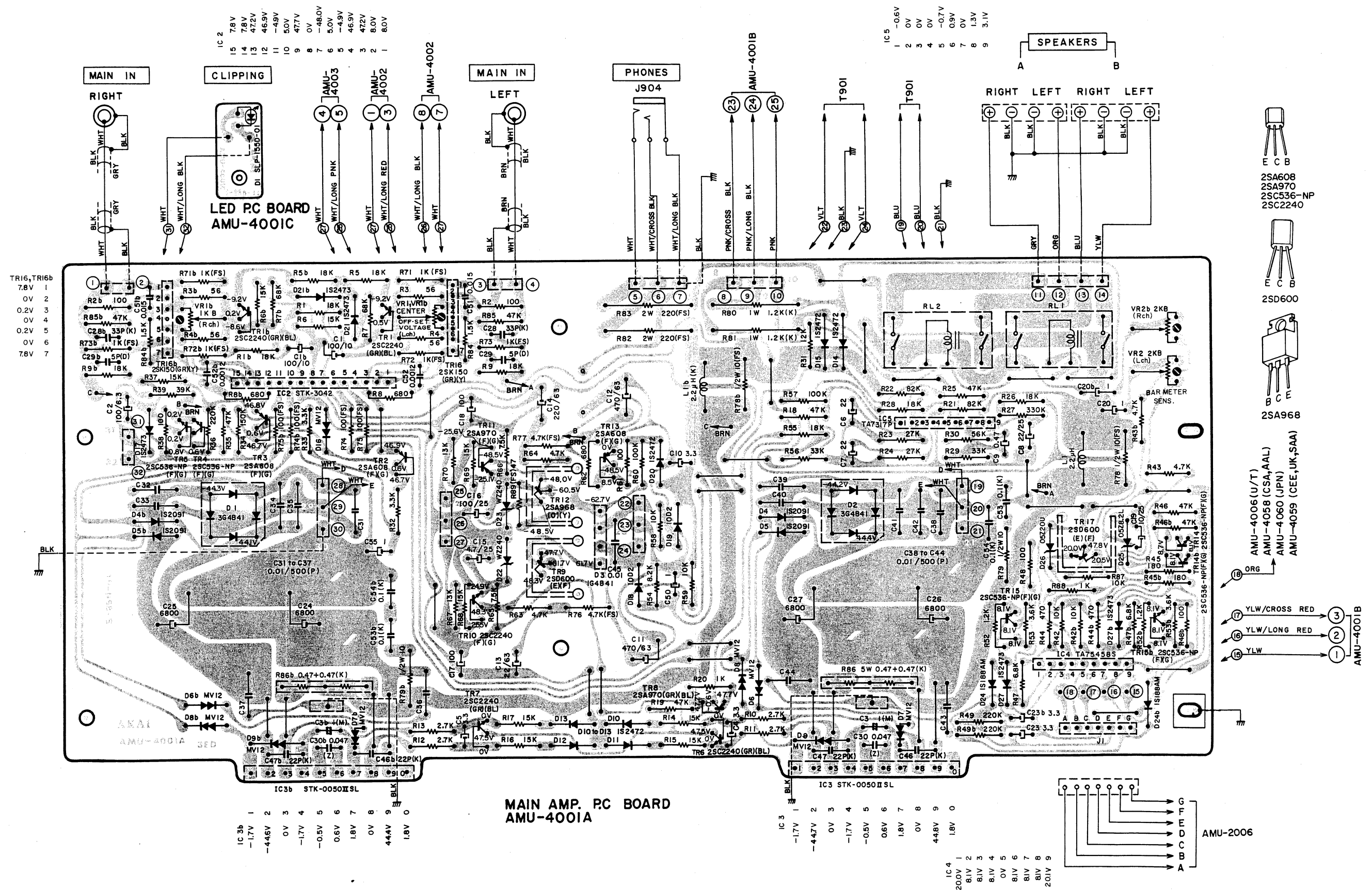
1. P.C BOARD TITLES AND IDENTIFICATION NUMBERS

| P.C Board Title               | P.C Board Number |
|-------------------------------|------------------|
| Main Amp P.C Board            | AMU-4001A        |
| Push Switch P.C Board         | AMU-4001B        |
| LED P.C Board (B)             | AMU-4001C        |
| Selector P.C Board            | AMU-4002         |
| Tone Control P.C Board        | AMU-4003         |
| Pin Jack P.C Board            | AMU-4005         |
| Fuse P.C Board (U/T)          | AMU-4006         |
| Fuse P.C Board (CSA, AAL)     | AMU-4058         |
| Fuse P.C Board (JPN)          | AMU-4060         |
| Fuse P.C Board (CEE, UK, SAA) | AMU-4059         |
| LED P.C Board (A)             | AMU-4007         |
| Slide Volume P.C Board        | AMU-4008         |
| Loudness P.C Board            | AMU-2003         |
| Bar Meter P.C Board           | AMU-2006         |

Chart-1

## 2. COMPOSITION OF VARIOUS P.C BOARDS

1) MAIN AMP P.C BOARD AMU-4001A (3ED) and LED P.C BOARD (B) AMU-4001C



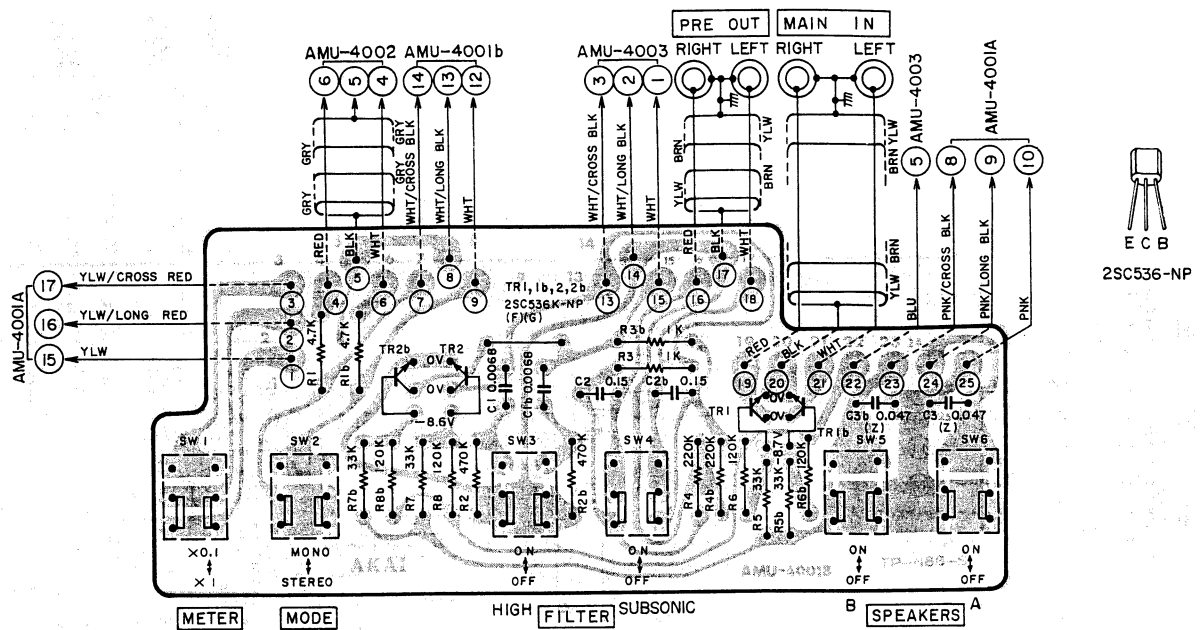
## VIII. CLASSIFICATION OF VARIOUS P.C BOARDS

### 1. P.C BOARD TITLES AND IDENTIFICATION NUMBERS

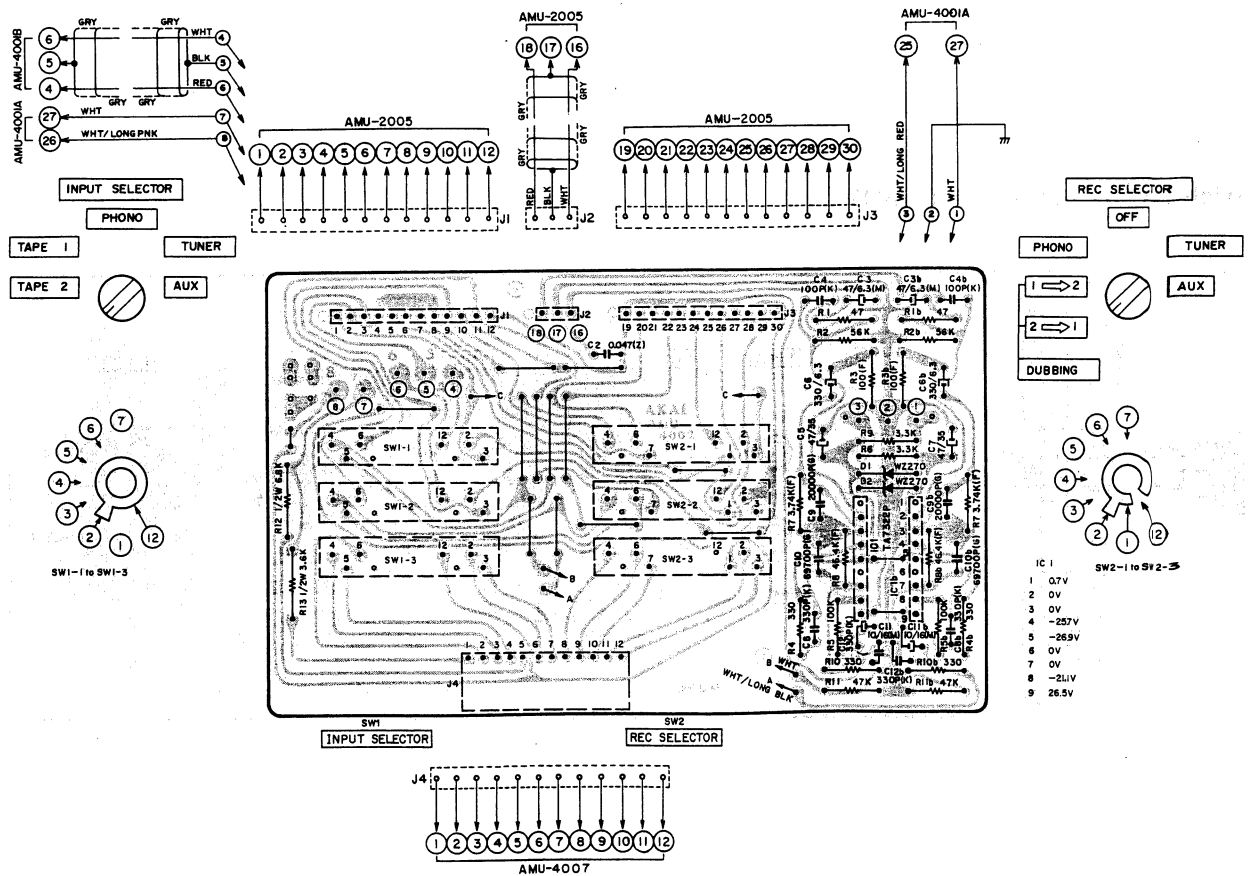
| P.C Board Title               | P.C Board Number |
|-------------------------------|------------------|
| Main Amp P.C Board            | AMU-4001A        |
| Push Switch P.C Board         | AMU-4001B        |
| LED P.C Board (B)             | AMU-4001C        |
| Selector P.C Board            | AMU-4002         |
| Tone Control P.C Board        | AMU-4003         |
| Pin Jack P.C Board            | AMU-4005         |
| Fuse P.C Board (U/T)          | AMU-4006         |
| Fuse P.C Board (CSA, AAL)     | AMU-4058         |
| Fuse P.C Board (JPN)          | AMU-4060         |
| Fuse P.C Board (CEE, UK, SAA) | AMU-4059         |
| LED P.C Board (A)             | AMU-4007         |
| Slide Volume P.C Board        | AMU-4008         |
| Loudness P.C Board            | AMU-2003         |
| Bar Meter P.C Board           | AMU-2006         |

Chart-1

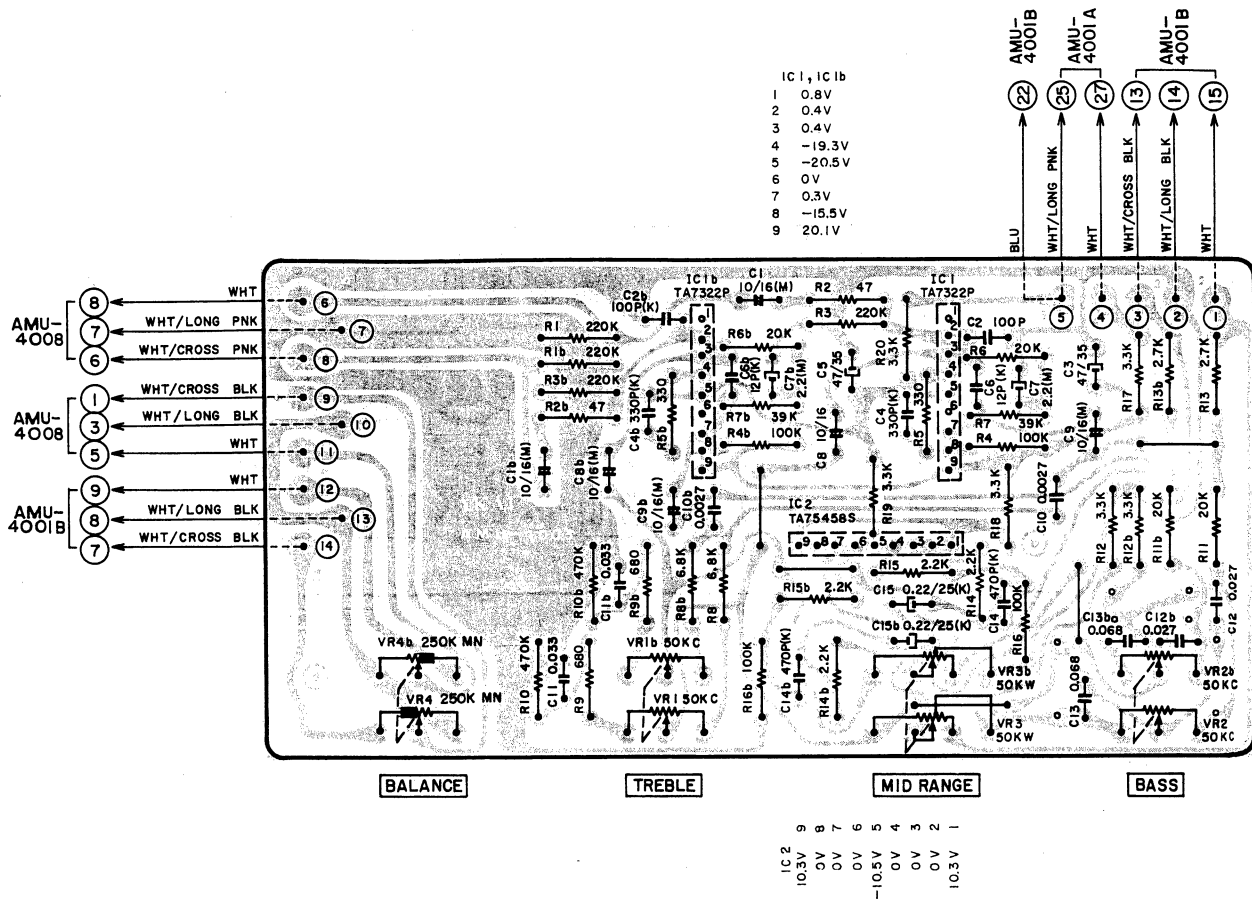
## 2) PUSH SWITCH P.C BOARD AMU-4001B



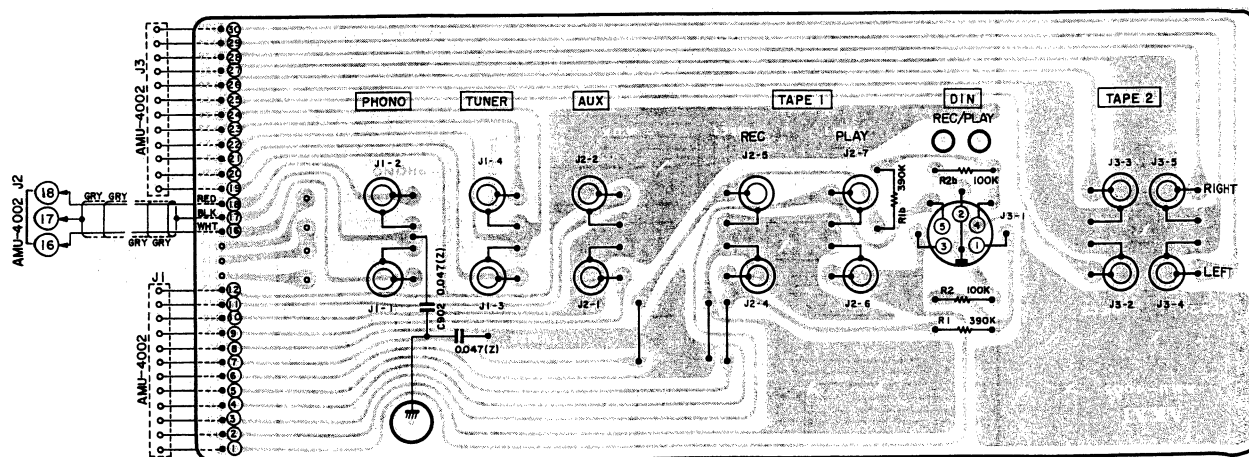
## 3) SELECTOR P.C BOARD AMU-4002



#### 4) TONE CONTROL P.C BOARD AMU-4003

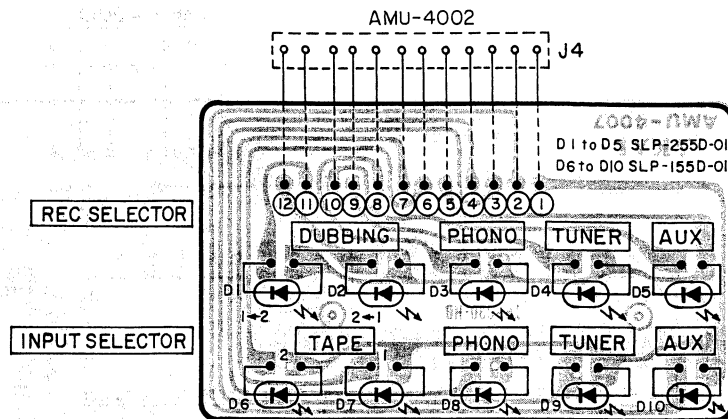


#### 5) PIN JACK P.C BOARD AMU-4005

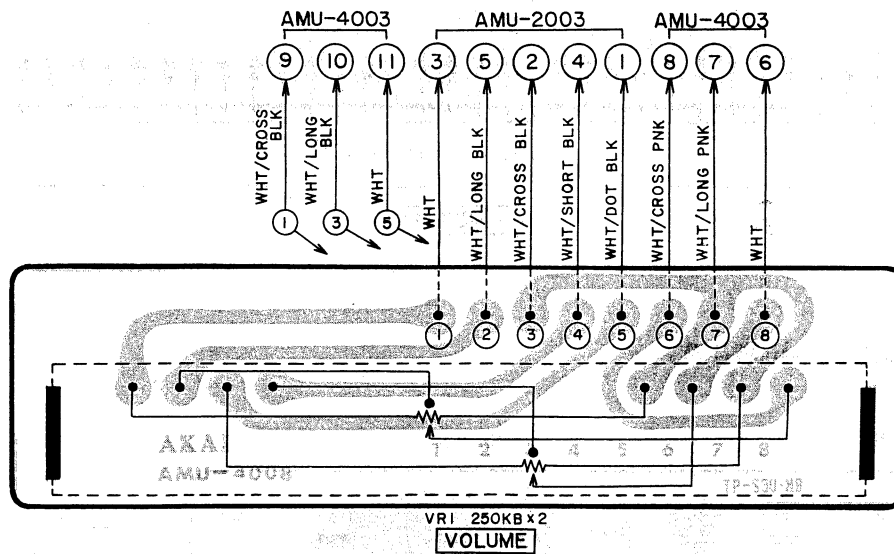




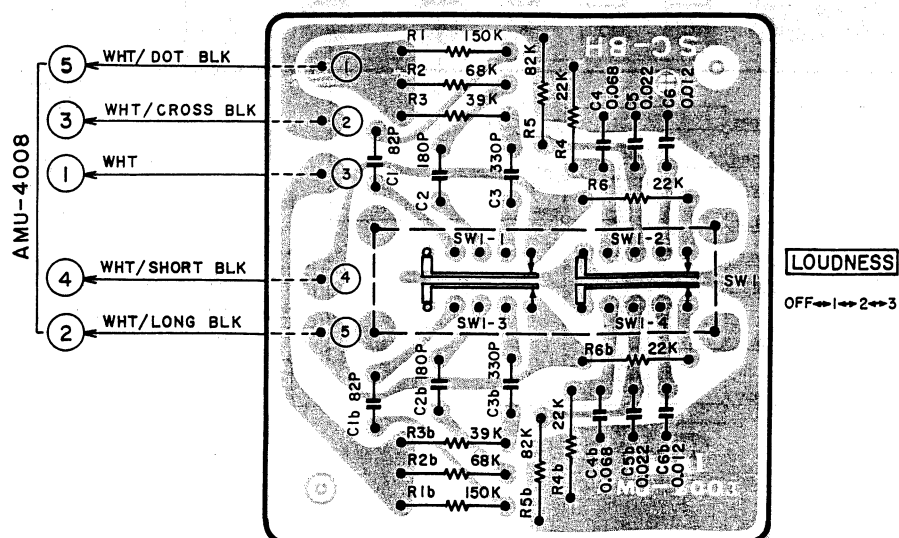
6) LED P.C BOARD AMU-4007



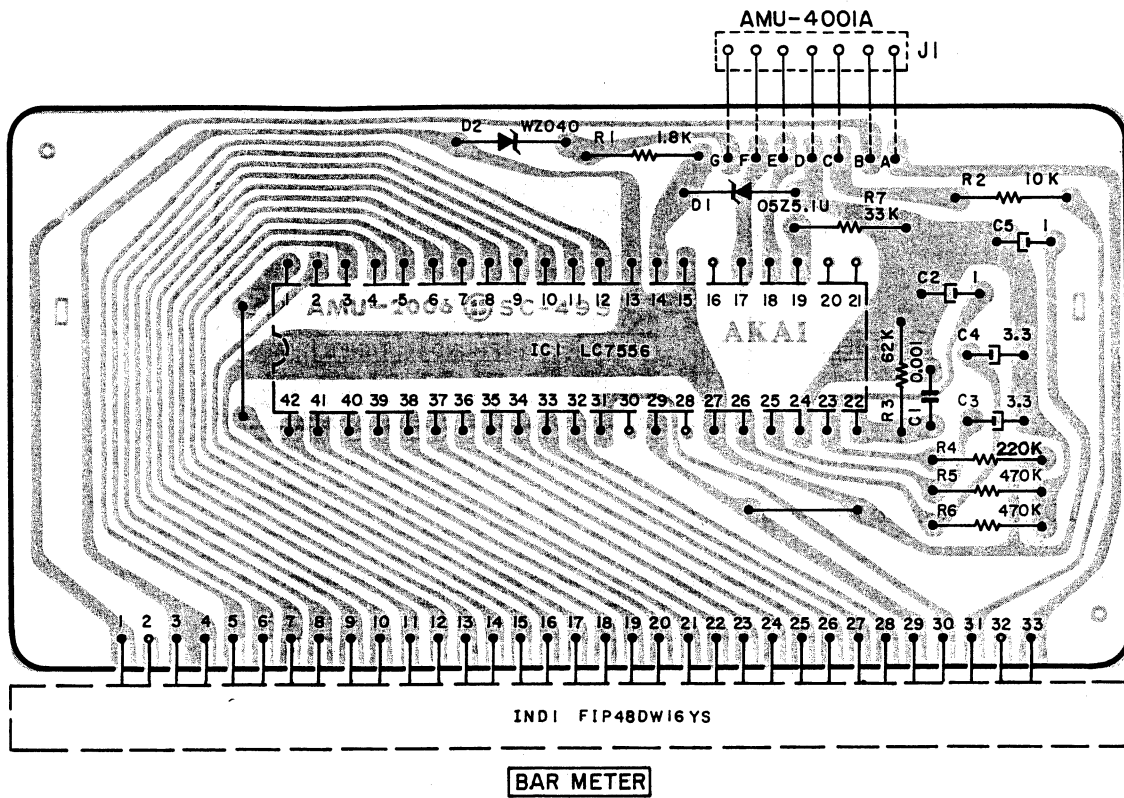
7) SLIDE VOLUME P.C BOARD AMU-4008



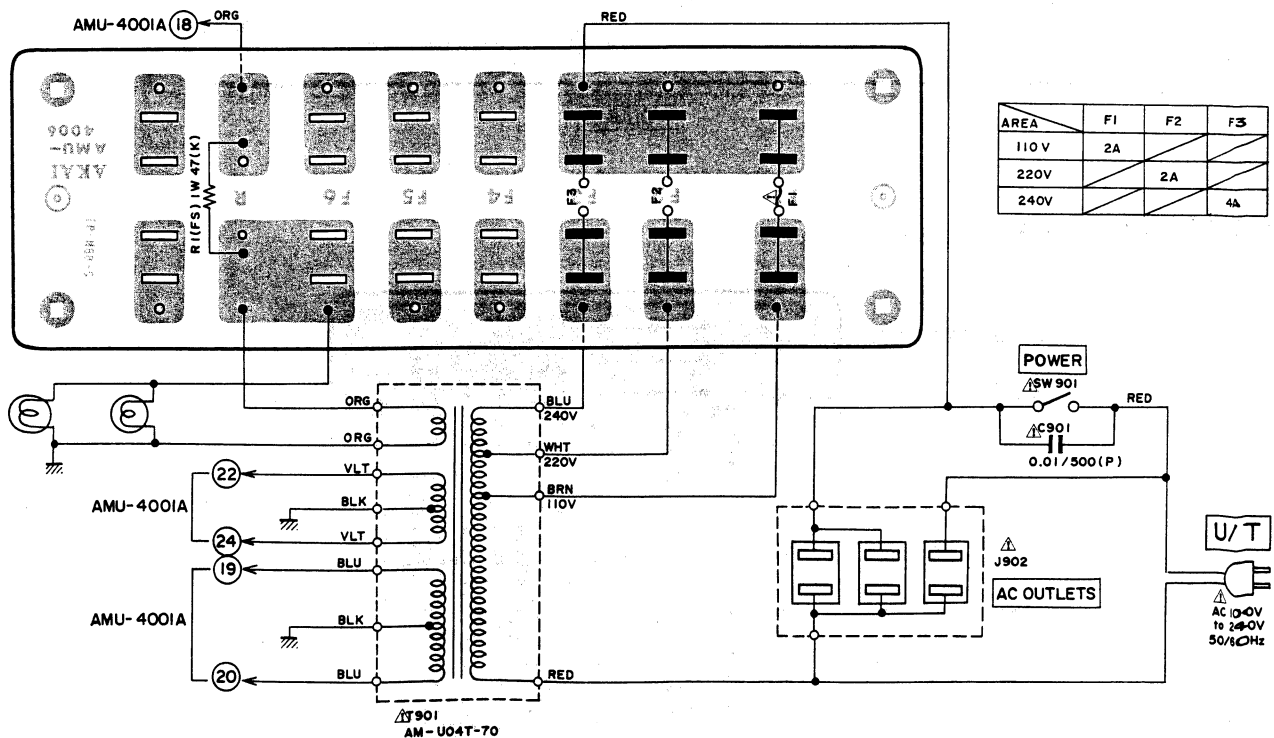
8) LOUDNESS P.C BOARD AMU-2003



9) BAR METER P.C BOARD AMU-2006

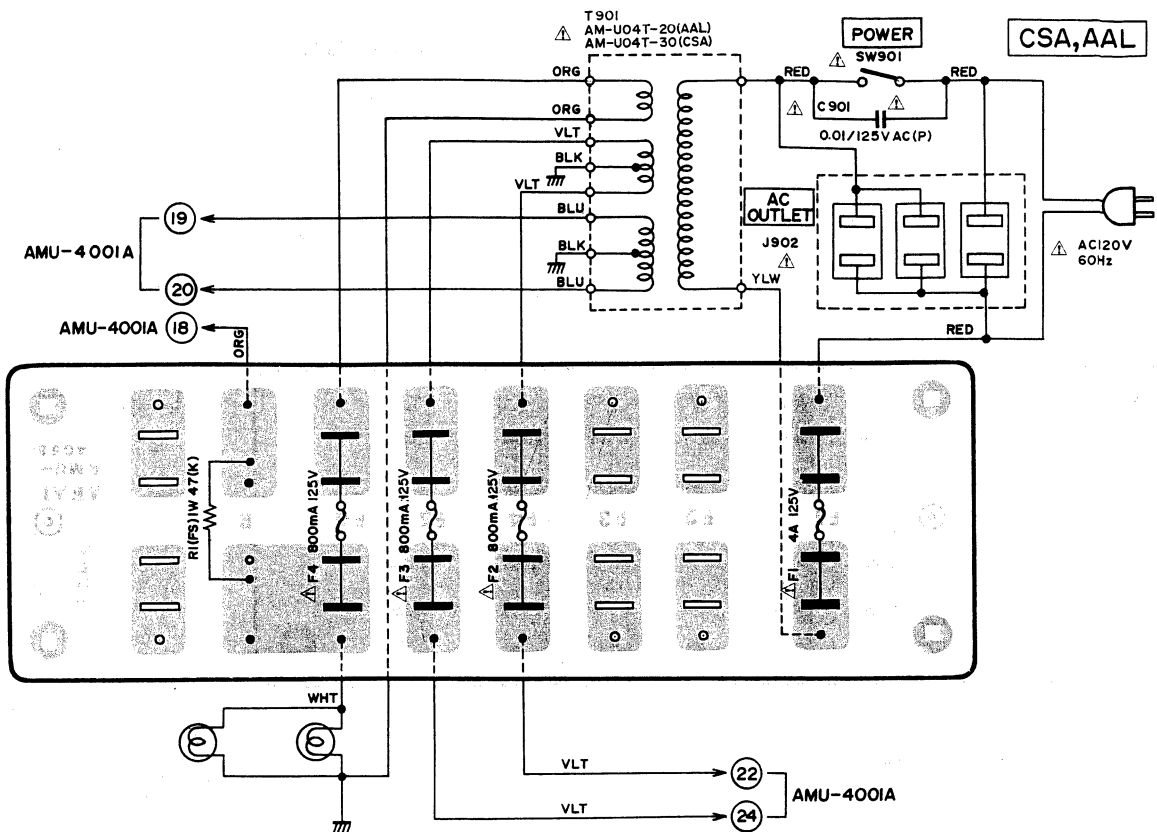


10) FUSE P.C BOARD AMU-4006 (U/T)

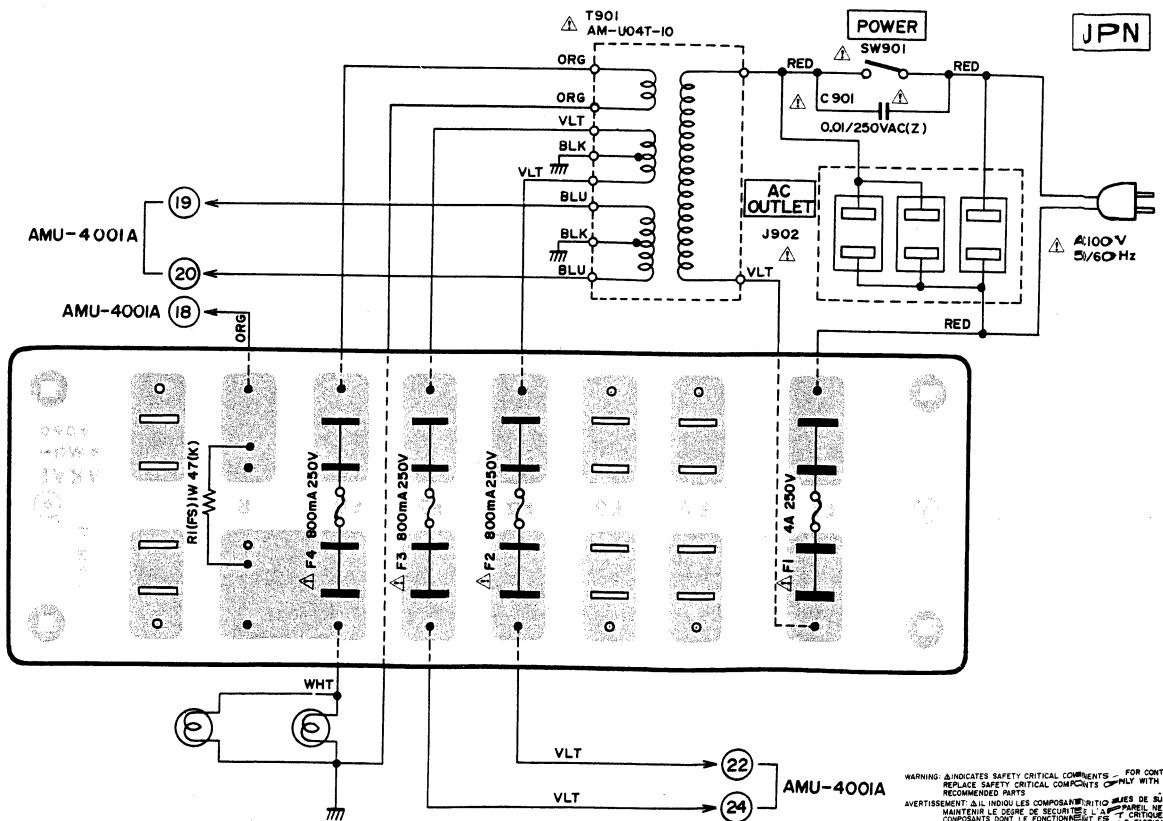


WARNING: INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFE TX.  
 REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S  
 RECOMMENDED PARTS  
 AVERTISSEMENT: IL INDIQUE LES COMPOSANTS CRITIQUES DE SURETE. POUR  
 MAINTENIR LE DEGRE DE SURETE DE L'APPAREIL, NE REMPLACEZ LES  
 COMPOSANTS QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT

# 11) FUSE P.C BOARD AMU-4058 (CSA, AAL)



# 12) FUSE P.C BOARD AMU-4060 (JPN)



RECOMMENDEE PARTS

AVERTISSEMENT: IL INDIQUE LES COMPOSANTS CRITIQUES DE SÛRETÉ. POUR MAINTENIR LE DEGRÉ DE SÛRETÉ DE L'APPAREIL NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SÛRETÉ QUE PAR DES PIÈCES RECOMMANDÉES PAR LE FABRICANT











---

## SECTION 2

# PARTS LIST

### TABLE OF CONTENTS

|                                                      |    |
|------------------------------------------------------|----|
| 1. RECOMMENDED SPARE PARTS LIST . . . . .            | 26 |
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| 3. TONE CONTROL P.C BOARD (AMU-4003) BLOCK . . . . . | 28 |
| 4. SELECTOR P.C BOARD (AMU-4002) BLOCK . . . . .     | 29 |
| 5. PUSH SW. P.C BOARD (AMU-4001B) BLOCK . . . . .    | 29 |
| 6. LOUDNESS P.C BOARD (AMU-2003) BLOCK . . . . .     | 29 |
| 7. BAR METER P.C BOARD (AMU-2006) BLOCK . . . . .    | 29 |
| 8. ASSEMBLY BLOCK . . . . .                          | 30 |
| 9. FINAL ASSEMBLY BLOCK . . . . .                    | 32 |
| INDEX . . . . .                                      | 33 |

Resistor and Capacitor which is not listed in this parts list, please refer to  
COMMON LIST FOR SERVICE PARTS.

## HOW TO USE THIS PARTS LIST

1. This parts list is compiled by various individual blocks based on assembly process.
2. When ordering parts, please describe parts number, serial number, and model number in detail.
3. How to read list.

The reference number corresponds with illustration or photo number of that particular parts list.

This number corresponds with the Figure Number.

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

A small "x" indicates the inability to show that particular part in the Photo or Illustration.

Schematic Diagram Number of individual manufactured part.  
(not required for parts order)

12-115x

| Ref. No.                  | Parts No. | Description                | Schematic No. |
|---------------------------|-----------|----------------------------|---------------|
| <b>FLYWHEEL BLOCK #13</b> |           |                            |               |
| 12-115x                   | 800425    | Flywheel Block Assy. Comp. | RDG #13       |
| 12-116                    | 244506    | Flywheel Only              | RD-233        |
| 12-117x                   | 244754    | Felt, Flywheel             | RD-275        |
| 12-118                    | 251324    | Main Metal Case            | RD-236        |
| 12-119                    | 253080    | Main Metal                 | RD-237        |

4. The symbol numbers shown on the P.C. Board list can be matched with the Composite Views of components of the Schematic Diagram or Service Manual.
5. The indications of Resistors and Capacitors in the photos of P.C. Board are being eliminated.
6. The shape of the parts and parts name, etc. can be confirmed by comparing them with the parts shown on the Electrical Parts Table of P.C. Board.
7. Both the kind of part and installation position can be determined by the Parts Number. To determine where a parts number is listed, utilize Parts Index at end of Parts List.  
It is necessary first of all to find the Parts Number. This can be accomplished by using the Reference Number listed at right of parts number in the Parts Index. (meaning of ref. no. outlined in Item 3 above).
8. Utilize separate "Price List for Parts" to determine unit price. The most simple method of finding parts Price is to utilize the reference number.

### CAUTION:

1. When placing an order for parts, be sure to list the parts no., model no., and description. There are instances in which if any of this information is omitted, parts cannot be shipped or the wrong parts will be delivered.
2. Please be careful not to make a mistake in the parts no. If the parts no. is in error, a part different from the one ordered may be delivered.
3. Because parts number and parts unit supply in the Preliminary Service Manual (Basic Parts List) may be partially changed, please use this parts list for all future reference.

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

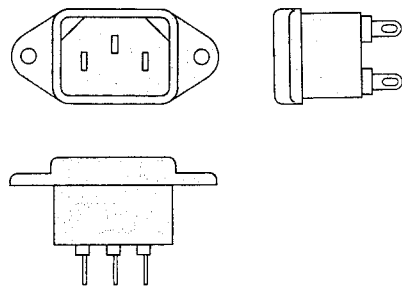
**AVERTISSEMENT:** △ IL INDIQUE LES COMPOSANTS CRITIQUES DE SURETE. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SECURITE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT.

## AC INLET SYSTEM

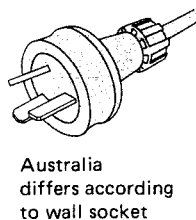
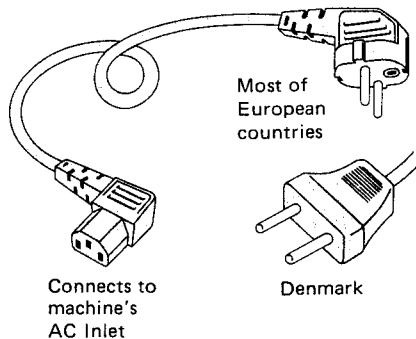
This model is equipped with an AC INLET SYSTEM. Please refer to the AC INLET SYSTEM CHART below for the specific type. By the AC INLET SYSTEM, AC (mains) cord can be connected to and disconnected from the model because the model is provided with socket exclusively for AC (mains) cord on its main body. Please note, however, that certain models are not equipped with this system and has a built-in AC (mains) cord as before.

### AC INLET SYSTEM CHART

#### CLASS I

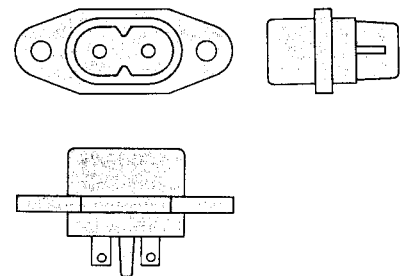


Picture 1  
AC INLET  
to be  
installed  
on machines

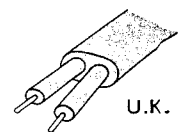
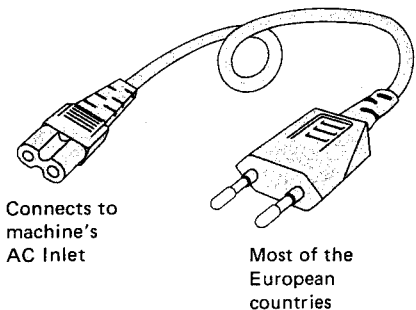


#### CLASS II

☐ This mark indicating double insulation will be attached to machine's rear panel



Connects to  
machine's  
AC Inlet



#### Parts List for AC (mains) Cord Set

| Standard |      | Description             | Type of AC Inlet | Parts No. |
|----------|------|-------------------------|------------------|-----------|
| Class I  | CEE  | Cord Set CEE (3 cores)  | 3P               | EW302993  |
|          | BEAB | Cord Set BEAB (3 cores) | 3P               | EW302994  |
|          | SAA  | Cord Set SAA (3 cores)  | 3P               | EW302996  |
|          | U/T  | Cord Set U/T (3 cores)  | 3P               | EW302646  |
| Class II | CEE  | Cord Set CEE (2 cores)  | 2P               | EW638144  |
|          | BEAB | Cord Set BEAB (2 cores) | 2P               | EW302995  |
|          | SAA  | Cord Set SAA (2 cores)  | 2P               | EW302991  |
|          | U/T  | Cord Set U/T (2 cores)  | 2P               | EW302899  |

## 1. 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.

| Parts No. | Description                            | Notes        |
|-----------|----------------------------------------|--------------|
| BA323094  | Main Amp PCB Comp. AM-U04              |              |
| BA323135  | Selector PCB Comp. AM-U04              |              |
| BA323132  | Tone Control PCB Comp. AM-U04          |              |
| BT320540  | △ Power Trans. AM-U04T-10              | JPN          |
| BT324165  | △ Power Trans. AM-U04T-20              | AAL          |
| BT324166  | △ Power Trans. AM-U04T-30              | CSA          |
| BT324167  | △ Power Trans. AM-U04T-40              | CEE          |
| BT324168  | △ Power Trans. AM-U04T-50              | UK, SAA      |
| BT324164  | △ Power Trans. AM-U04T-70              | U/T          |
| EC321302  | △ Ceramic/C. E 0.01μF(Z) 250VAC        | U/T, JPN     |
| EC314688  | △ Ceramic/C. DE7150 FZ 0.01μF(P) 125WV | CSA, AAL     |
| EC301320  | △ MP/C. 4700PF(M) 250WV                | CEE, UK, SAA |
| ED562386  | Germanium Diode 1S188AM                |              |
| ED322772  | LED SLP-155D-01                        |              |
| ED322773  | LED SLP-255D-01                        |              |
| ED323056  | Silicon Diode 1S2091                   |              |
| ED214457  | Silicon Diode 1S2472                   |              |
| ED624903  | Silicon Diode 1S2473                   |              |
| ED224548  | Silicon Diode 10D2                     |              |
| ED323149  | Silicon Stack 1G4B41                   |              |
| ED323556  | Silicon Stack 3G4B41                   |              |
| ED323057  | Silicon Varister MV12                  |              |
| ED323057  | Silicon Varister MV12                  |              |
| ED322810  | Zener Diode WZ-040                     |              |
| ED242368  | Zener Diode WZ-240                     |              |
| ED323059  | Zener Diode WZ-270                     |              |
| ED323534  | Zener Diode 05Z-20U                    |              |
| ED323535  | Zener Diode 05Z-8.2L                   |              |
| ED322774  | Zener Diode 05Z5.1U                    |              |
| EF306957  | △ Fuse 4A 125V                         | CSA, AAL     |
| EF306952  | △ Fuse 4A 250V                         | U/T, JPN     |
| EF309391  | △ Fuse 800mA 125V                      | CSA, AAL     |
| EF309388  | △ Fuse 800mA 250V                      | JPN          |
| EF601301  | △ Fuse (SEMKO T) 2AT                   | CEE, UK, SAA |
| EF690996  | △ Fuse (SEMKO T) 4AT                   | CEE, UK, SAA |
| EF601942  | △ Fuse (SEMKO T) 630MAT                | CEE, UK, SAA |
| EI322791  | IC LC7556                              |              |
| EI323146  | IC STK-0050 (2)                        |              |
| EI323563  | IC STK-3042                            |              |
| EI323564  | IC TA7317P                             |              |
| EI323054  | IC TA7322P                             |              |

| Parts No. | Description                                | Notes              |
|-----------|--------------------------------------------|--------------------|
| EI322599  | IC TA75458S                                |                    |
| EJ240535  | △ 3-Throw AC Outlet                        | U/T, JPN, CSA, AAL |
| EJ296853  | △ 3P In-Let CM-3                           | CEE, UK, SAA       |
| EM322584  | Bar Meter FIP48DW16YS                      |                    |
| EO324150  | Phase Compensation Coil 2.2μH(K)           |                    |
| EP323565  | Relay G2Z-222P-20 DC24V                    |                    |
| ES324162  | △ Push SW. SDG-1P TV-5                     | U/T                |
| ES679566  | △ Push SW. SDG1P TV5                       | CSA, AAL           |
| ES310839  | △ Push SW. SDG1P-E 5A/80A 250V             | CEE, UK, SAA       |
| ES315158  | △ Push SW. SDV1P (JPN)                     | JPN                |
| ES323081  | Push SW. J-K2114                           |                    |
| ES322776  | Rotary Slide SW. SRZW44S                   |                    |
| ES323062  | Rotary SW. SRJ3035                         |                    |
| ES323063  | Rotary SW. SRJ3036                         |                    |
| ET311792  | FET 2SK150 (GR) (Y)                        |                    |
| ET322244  | Transistor 2SA608K-NP (F) (G)              |                    |
| ET322244  | Transistor 2SA608K-NP (F) (G)              |                    |
| ET311791  | Transistor 2SA968 (O) (Y)                  |                    |
| ET305463  | Transistor 2SA970 (GR) (BL)                |                    |
| ET219868  | Transistor 2SB560 (E) (F)                  |                    |
| ET307195  | Transistor 2SC2240 (GR) (BL)               |                    |
| ET316643  | Transistor 2SC536K-NP (F) (G)              |                    |
| ET323105  | Transistor 2SD600 (E) (F)                  |                    |
| EV478686  | Semi-fixed/Vol. V8K4-1 1kB                 |                    |
| EV464196  | Semi-fixed/Vol. V8K4-1 2kB                 |                    |
| EV324346  | Single-Axial 2-Throw/Vol. V16L4G3N 250KZx2 |                    |
| EV323061  | 2-Throw Slide/Vol. 250K (Special) x2       |                    |
| EV323051  | 2-Throw/Vol. GM70E838A-50KCx2              |                    |
| EV323052  | 2-Throw/Vol. GM70E839A-50KCx2              |                    |
| EV323053  | 2-Throw/Vol. GM70E892A-50KWx2              |                    |
| EW306427  | △ AC Cord (JPN)                            |                    |
| EW306428  | △ AC Cord (U/T)                            |                    |
| EW305691  | △ AC Cord CUL                              | CSA, AAL           |

## 2. MAIN AMP P.C BOARD (AMU-4001A)

### BLOCK

| Symbol No. | Parts No. | Description                                         | Schematic No. |
|------------|-----------|-----------------------------------------------------|---------------|
| 2-1        | BA323094  | Main Amp PCB Comp.<br>AM-U04                        | AMU-4001      |
| 2-IC2      | EI323563  | IC STK-3042                                         | 45-8-423      |
| 2-IC4      | EI322599  | IC TA75458S                                         | 45-8-415      |
| 2-IC5      | EI323564  | IC TA7317P                                          | 45-8-424      |
| 2-TR1      | ET307195  | Transistor 2SC2240<br>(GR)(BL)                      | 45-1-302      |
| 2-TR2,3    | ET322244  | Transistor 2SA608K-NP<br>(F)(G)                     | 45-1-375      |
| 2-TR4,5    | ET316643  | Transistor 2SC536K-NP<br>(F)(G)                     | 45-1-362      |
| 2-TR6,7    | ET307195  | Transistor 2SC2240<br>(GR)(BL)                      | 45-1-302      |
| 2-TR8      | ET305463  | Transistor 2SA970<br>(GR)(BL)                       | 45-1-303      |
| 2-TR9      | ET323105  | Transistor 2SD600(E)(F)                             | 45-1-383      |
| 2-TR10     | ET307195  | Transistor 2SC2240<br>(GR)(BL)                      | 45-1-302      |
| 2-TR11     | ET305463  | Transistor 2SA970<br>(GR)(BL)                       | 45-1-303      |
| 2-TR12     | ET311791  | Transistor 2SA968(O)(Y)                             | 45-1-338      |
| 2-TR13     | ET322244  | Transistor 2SA608K-NP<br>(F)(G)                     | 45-1-375      |
| 2-TR14,15  | ET316643  | Transistor 2SC536K-NP<br>(F)(G)                     | 45-1-362      |
| 2-TR16     | ET311792  | FET 2SK150 (GR)(Y)                                  | 45-12-22      |
| 2-TR17     | ET323105  | Transistor 2SD600 (E)(F)                            | 45-1-383      |
| 2-D1,2     | ED323556  | Silicon Stack 3G4B41                                | 45-2-98       |
| 2-D3       | ED323149  | Silicon Stack 1G4B41                                | 45-2-99       |
| 2-D4,5     | ED323056  | Silicon Diode 1S2091                                | 45-3-66       |
| 2-D6to9    | ED323057  | Silicon Varister MV12                               | 45-10-16      |
| 2-D10to15  | ED214457  | Silicon Diode 1S2472                                | 45-3-41       |
| 2-D16      | ED323057  | Silicon Varister MV12                               | 45-10-16      |
| 2-D17      | ED624903  | Silicon Diode 1S2473                                | 45-3-28       |
| 2-D18,19   | ED224548  | Silicon Diode 10D2                                  | 45-2-14       |
| 2-D20      | ED214457  | Silicon Diode 1S2472                                | 45-3-41       |
| 2-D21      | ED624903  | Silicon Diode 1S2473                                | 45-3-28       |
| 2-D22,23   | ED242368  | Zener Diode WZ-240                                  | 45-6-37       |
| 2-D24      | ED562386  | Germanium Diode<br>1S188AM                          | 45-3-24       |
| 2-D25      | ED323535  | Zener Diode 05Z-8.2L                                | 45-6-76       |
| 2-D26      | ED323534  | Zener Diode 05Z-20U                                 | 45-6-76       |
| 2-D27      | ED624903  | Silicon Diode 1S2473                                | 45-3-28       |
| 2-VR1      | EV478686  | Semi-fixed/Vol. V8K4-1<br>1k $\Omega$               | 36-10-266     |
| 2-VR2      | EV464196  | Semi-fixed/Vol. V8K4-1<br>2k $\Omega$               | 36-10-266     |
| 2-RL1,2    | EP323565  | Relay G2Z-222P-20 DC24V                             | 47-2-35       |
| 2-L1       | EO324150  | Phase Compensation Coil<br>2.2 $\mu$ H(K)           | 23-1-397      |
| 2-R71to73  | ER323074  | Carbon/R. F 1/4WS 1K(J)                             | 35-11-30      |
| 2-R74,75   | ER322591  | Carbon/R. F 1/4WS<br>100 ohms (J)                   | 35-11-30      |
| 2-R76,77   | ER323075  | Carbon/R. F 1/4WS<br>4.7K (J)                       | 35-11-30      |
| 2-R78      | ER308875  | Carbon/R. F 1/2W<br>10 ohms (J)                     | 35-11-27      |
| 2-R80,81   | ER442686  | Metal Oxide Film/R. 1W<br>1.2K (K)                  | 35-15-10      |
| 2-R82,83   | ER658034  | Metal Oxide Film/R. 2W<br>220 ohm (J)               | 35-19-2       |
| 2-R86      | ER322590  | Cement/R. (Metal Plate)<br>5W(0.47+0.47) ohms(K)    | 35-16-84      |
| 2-R89      | ER324480  | Carbon/R. F 1/4WS<br>47 ohms (J)                    | 35-11-30      |
| 2-C3       | EC657044  | NP/C. (Vert.) 1 $\mu$ F(M)<br>50WV                  | 24-17-26      |
| 2-C24to27  | EC324156  | Elect./C. 6800 $\mu$ F 50WV                         | 24-12-44      |
| 2-C51      | EC322994  | Polyester Film/C. (Vert.)<br>0.0015 $\mu$ F(J) 50WV | 24-1-15       |
| 2-C52      | EC314715  | Polyester Film/C. (Vert.)<br>0.0012 $\mu$ F(J) 50WV | 24-1-15       |
| 2-C53,54   | EC324199  | Polyester Film/C. (Vert.)<br>0.1 $\mu$ F(K) 50WV    | 24-1-15       |
| 2-2        | ZS325495  | Tapping Screw, #2, BR 3x6                           |               |

## 3. TONE CONTROL P.C BOARD (AMU-4003)

### BLOCK

| Symbol No. | Parts No. | Description                                         | Schematic No. |
|------------|-----------|-----------------------------------------------------|---------------|
| 3-1        | BA323132  | Tone Control PCB Comp.<br>AM-U04                    | AMU-4047      |
| 3-IC1      | EI323054  | IC TA7322P                                          | 45-8-419      |
| 3-IC2      | EI322599  | IC TA75458S                                         | 45-8-415      |
| 3-VR1      | EV323051  | 2-Throw/Vol.<br>GM70E838A-50KCx2                    | 36-22-59      |
| 3-VR2      | EV323052  | 2-Throw/Vol.<br>GM70E839A-50KCx2                    | 36-22-58      |
| 3-VR3      | EV323053  | 2-Throw/Vol.<br>GM70E892A-50KWx2                    | 36-22-60      |
| 3-VR4      | EV324346  | Single-Axial 2-Throw/Vol.<br>V16L4G3N 250KZx2       | 36-22-65      |
| 3-C1       | EC323055  | NP/C. 10 $\mu$ F(M) 16WV                            | 24-17-35      |
| 3-C8,9     | EC323055  | NP/C. 10 $\mu$ F(M) 16WV                            | 24-17-35      |
| 3-C10      | EC314724  | Polyester Film/C. (Vert.)<br>0.0027 $\mu$ F(J) 50WV | 24-1-15       |
| 3-C11      | EC314754  | Polyester Film/C. (Vert.)<br>0.033 $\mu$ F(J) 50WV  | 24-1-15       |
| 3-C12      | EC314751  | Polyester Film/C. (Vert.)<br>0.027 $\mu$ F(J) 50WV  | 24-1-15       |
| 3-C13      | EC324154  | Polyester Film/C. (Vert.)<br>0.068 $\mu$ F(J) 50WV  | 24-1-15       |
| 3-C15      | EC243393  | Solid Aluminum/C. (Vert.)<br>0.22 $\mu$ F(K) 10WV   | 24-19-2       |

When ordering parts, please quote Parts Number, Description and Model Number.

#### 4. SELECTOR P.C BOARD (AMU-4002) BLOCK

| Symbol No. | Parts No. | Description                                        | Schematic No. |
|------------|-----------|----------------------------------------------------|---------------|
| 4-1        | BA323135  | Selector PCB Comp. AM-U04                          | AMU-4049      |
| 4-IC1      | EI323054  | IC TA7322P                                         | 45-8-419      |
| 4-TR1      | ET219868  | Transistor 2SB560 (E)(F)                           | 45-1-232      |
| 4-D1,2     | ED323059  | Zener Diode WZ-270                                 | 45-6-67       |
| 4-SW1      | ES323062  | Rotary SW. SRJ3035                                 | 25-6-191      |
| 4-SW2      | ES323063  | Rotary SW. SRJ3036                                 | 25-6-192      |
| 4-R7       | ER323351  | Metal Film/R. 1/4W<br>3.74K(F)                     | 35-17-20      |
| 4-R8       | ER323069  | Metal Film/R. 1/4W<br>46.4 ohms (F)                | 35-17-20      |
| 4-C3       | EC318358  | NP/C. 47 $\mu$ F(M) 6.3WV                          | 24-17-35      |
| 4-C9       | EC324102  | Polypropylene/C. (Vert.)<br>0.02 $\mu$ F(G) 50WV   | 24-22-10      |
| 4-C10      | EC324103  | Polypropylene/C. (Vert.)<br>0.0697 $\mu$ F(G) 50WV | 24-22-10      |
| 4-C11      | EC323055  | NP/C. 10 $\mu$ F(M) 16WV                           | 24-17-35      |

#### 5. PUSH SW. P.C BOARD (AMU-4001B) BLOCK

| Symbol No. | Parts No. | Description                                         | Schematic No. |
|------------|-----------|-----------------------------------------------------|---------------|
| 5-TR1,2    | ET316643  | Transistor 2SC536K-NP<br>(F) (G)                    | 45-1-362      |
| 5-SW1to6   | ES323081  | Push SW. J-K2114                                    | 25-5-361      |
| 5-C1       | EC314736  | Polyester Film/C. (Vert.)<br>0.0068 $\mu$ F(J) 50WV | 24-1-15       |
| 5-C2       | EC314771  | Polyester Film/C. (Vert.)<br>0.15 $\mu$ F(J) 50WV   | 24-1-15       |

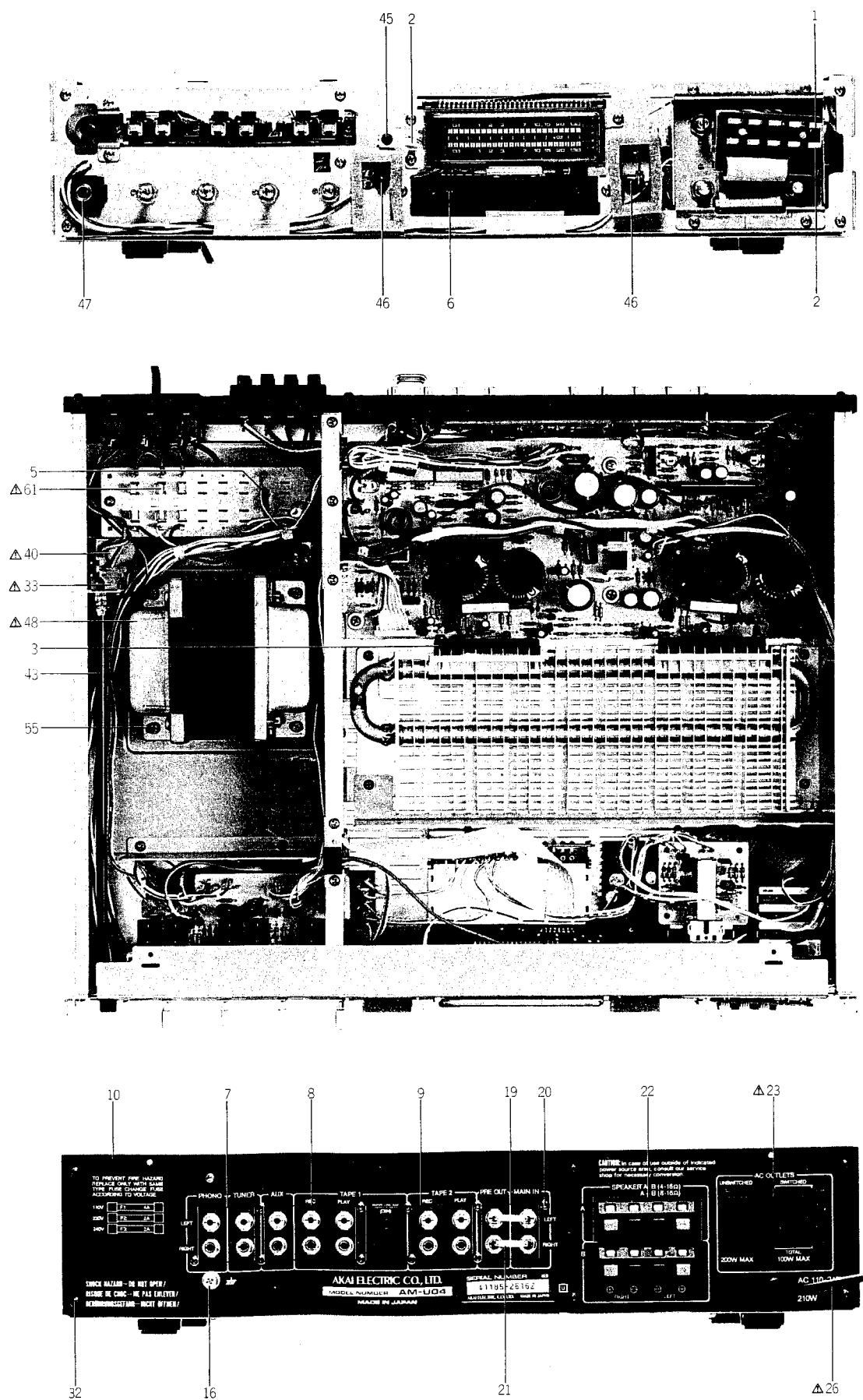
#### 6. LOUDNESS P.C BOARD (AMU-2003) BLOCK

| Symbol No. | Parts No. | Description              | Schematic No. |
|------------|-----------|--------------------------|---------------|
| 6-SW1      | ES322776  | Rotary Slide SW. SRZW44S | 25-6-188      |
| 6-C2       | EC321173  | Styrol/C. 180PF(J) 50WV  | 24-11-14      |
| 6-C3       | EC306988  | Styrol/C. 330PF(J) 50WV  | 24-11-14      |

#### 7. BAR METER P.C BOARD (AMU-2006) BLOCK

| Symbol No. | Parts No. | Description           | Schematic No. |
|------------|-----------|-----------------------|---------------|
| 7-IC1      | EI322791  | IC LC7556             | 45-8-425      |
| 7-D1       | ED322774  | Zener Diode 05Z5.1U   | 45-6-76       |
| 7-D2       | ED322810  | Zener Diode WZ-040    | 45-6-67       |
| 7-IND1     | EM322584  | Bar Meter FIP48DW16YS | 59-1-2        |
| 7-1        | ZS422076  | Screw, pan 3x5        |               |

## 8. ASSEMBLY BLOCK

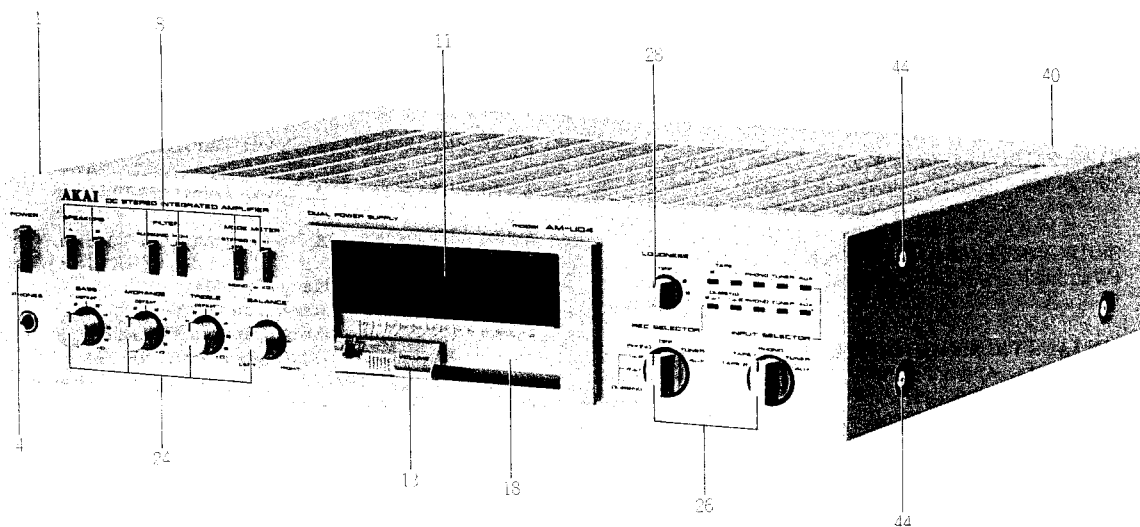




# ASSEMBLY BLOCK

| Ref. No.                          | Parts No. | Description                                       | Schematic No. | Ref. No. | Parts No. | Description                            | Schematic No. |
|-----------------------------------|-----------|---------------------------------------------------|---------------|----------|-----------|----------------------------------------|---------------|
| <b>LED P.C BOARD BLOCK</b>        |           |                                                   |               | 8-47     | EJ301199  | Headphone Jack 3P64M                   | 31-2-83       |
| 8-1                               | ED322773  | LED SLP-255D-01                                   | 45-15-37      | 8-48     | BT324164  | △ Power Trans. AM-U04T-70 (U/T)        | 38-4-793      |
| 8-2                               | ED322772  | LED SLP-155D-01                                   | 45-15-38      | 8-49x    | BT320540  | △ Power Trans. AM-U04T-10 (JPN)        | 38-4-854      |
| <b>HEAT SINK BLOCK</b>            |           |                                                   |               | 8-50x    | BT324166  | △ Power Trans. AM-U04T-30 (CSA)        | 38-4-790      |
| 8-3                               | EI323146  | IC STK-0050 (2)                                   | 45-8-433      | 8-51x    | BT324165  | △ Power Trans. AM-U04T-20 (AAL)        | 38-4-789      |
| 8-4x                              | ZS321279  | Tapping Screw, #2 BR 3x18                         |               | 8-52x    | BT324167  | △ Power Trans. AM-U04T-40 (CEE)        | 38-4-791      |
| <b>FUSE P.C BOARD BLOCK</b>       |           |                                                   |               | 8-53x    | BT324168  | △ Power Trans. AM-U04T-50 (UK, SAA)    | 38-4-792      |
| 8-5                               | ER324359  | Metal Oxide Film/R. F 1W 56 ohms (J)              | 35-19-4       | 8-54x    | ZW413267  | Flange Nut M4                          |               |
| <b>SLIDE VOL. P.C BOARD BLOCK</b> |           |                                                   |               | 8-55     | ZS424056  | Screw, pan 4x10                        |               |
| 8-6                               | EV323061  | 2-Throw Slide/Vol. 250K (Special)x2               | 36-27-9       | 8-56x    | ZS434250  | Screw, pan 4x8 W/Washer                |               |
| <b>PIN JACK P.C BOARD BLOCK</b>   |           |                                                   |               | 8-57x    | ZS498273  | Tapping Screw #2, BR 3x8 W=8           |               |
| 8-7                               | EJ323143  | 4P Pin Jack                                       | 31-5-159      | 8-58x    | ZS297641  | Tapping Screw #2, Bind 3x8 W=10        |               |
| 8-8                               | EJ323144  | 6P Pin Jack                                       | 31-5-158      | 8-59     | EC258333  | Ceramic/C. DB207YF                     |               |
| 8-9                               | EJ323145  | 5P Din, 4P Pin Jack                               | 31-5-157      | 8-60x    | EC258333  | Ceramic/C. DB207YF 0.047μF(Z) 50WV     | 24-5-68       |
| <b>REAR PANEL BLOCK</b>           |           |                                                   |               |          |           | 0.047μF(Z) 50WV                        | 24-5-68       |
| 8-10                              | SP323019  | Rear Panel (U/T)                                  | AMU-4021      | 8-61     | EF306952  | △ Fuse 4A 250V (U/T, JPN)              | 39-1-64       |
| 8-11x                             | SP320541  | Rear Panel (JPN)                                  | AMU-4057      | 8-62x    | EF309388  | △ Fuse 800mA 250V (JPN)                | 39-1-64       |
| 8-12x                             | SP323022  | Rear Panel (CSA)                                  | AMU-4022      | 8-63x    | EF306957  | △ Fuse 4A 125V (CSA, AAL)              | 39-1-65       |
| 8-13x                             | SP323020  | Rear Panel (AAL)                                  | AMU-4022      | 8-64x    | EF309391  | △ Fuse 800mA 125V (CSA, AAL)           | 39-1-65       |
| 8-14x                             | SP323023  | Rear Panel (CEE)                                  | AMU-4023      | 8-65x    | EF601301  | △ Fuse (SEMKO T) 2AT (CEE, UK, SAA)    | 39-1-53       |
| 8-15x                             | SP323024  | Rear Panel (UK, SAA)                              | AMU-4023      | 8-66x    | EF690996  | △ Fuse (SEMKO T) 4AT (CEE, UK, SAA)    | 39-1-53       |
| 8-16                              | EJ325358  | Earth Terminal                                    | 32-1-115      | 8-67x    | EF601942  | △ Fuse (SEMKO T) 630MAT (CEE, UK, SAA) | 39-1-53       |
| 8-17x                             | ZW652408  | Washer (SPC) D3.2x10x0.5t                         |               |          |           |                                        |               |
| 8-18x                             | ZS308673  | Tapping Screw, pan 3x20 W/Guide                   | 7-1-68        |          |           |                                        |               |
| 8-19                              | EJ322581  | 4P Pin Jack (Red, White)                          | 32-1-106      |          |           |                                        |               |
| 8-20                              | ZS522865  | Tapping Screw, #2 BR 3x12 (Black)                 |               |          |           |                                        |               |
| 8-21                              | EJ554578  | Short Plug                                        | 42-1-66       |          |           |                                        |               |
| 8-22                              | EJ322582  | 4P Push Terminal                                  | 32-1-107      |          |           |                                        |               |
| 8-23                              | EJ240535  | △ 3-Throw AC Outlet (U/T, JPN, CSA, AAL)          | 31-1-173      |          |           |                                        |               |
| 8-24x                             | EJ296853  | △ 3P In-Let CM-3 (CEE, UK, SAA)                   | 31-1-199      |          |           |                                        |               |
| 8-25x                             | ZS463353  | Tapping Screw, #2 BR 3x8 (Black)                  |               |          |           |                                        |               |
| 8-26                              | EW306428  | △ AC Cord (U/T)                                   | 26-3-64       |          |           |                                        |               |
| 8-27x                             | EW306427  | △ AC Cord (JPN)                                   | 26-3-63       |          |           |                                        |               |
| 8-28x                             | EW305691  | △ AC Cord CUL (CSA, AAL)                          | 26-3-65       |          |           |                                        |               |
| 8-29                              | EZ631945  | Strain Relief SR-4N-4                             | 2-7-49        |          |           |                                        |               |
| 8-30x                             | ZW305013  | Pop Rivet D3.2 (AAL)                              | 7-6-9         |          |           |                                        |               |
| <b>ASSEMBLY BLOCK</b>             |           |                                                   |               |          |           |                                        |               |
| 8-31x                             | ZS325495  | Tapping Screw, #2 BR 3x6                          |               |          |           |                                        |               |
| 8-32                              | ZS308846  | Tapping Screw, #2 BR 3x8 (Oval Neck)              | 7-1-69        |          |           |                                        |               |
| 8-33                              | ES324162  | △ Push SW. SDG-1P TV-5 (U/T)                      | 25-5-377      |          |           |                                        |               |
| 8-34x                             | ES315158  | △ Push SW. SDV1P (JPN)                            | 25-5-329      |          |           |                                        |               |
| 8-35x                             | ES679566  | △ Push SW. SDG1P TV5 (CSA, AAL)                   | 25-5-204      |          |           |                                        |               |
| 8-36x                             | ES310839  | △ Push SW. SDG1P-E 5A/80A 250V (CEE, UK, SAA)     | 25-5-310      |          |           |                                        |               |
| 8-37x                             | ZS417216  | Screw, pan 3x4                                    |               |          |           |                                        |               |
| 8-38x                             | ZW616004  | Washer D3.1x8x1t                                  |               |          |           |                                        |               |
| 8-39x                             | ZS379350  | Screw, pan 3x6                                    |               |          |           |                                        |               |
| 8-40                              | EC321302  | △ Ceramic/C. E 0.01μF(Z) 250VAC (U/T, JPN)        | 24-5-90       |          |           |                                        |               |
| 8-41x                             | EC314688  | △ Ceramic/C. DE7150 FZ 0.01μF(P) 125WV (CSA, AAL) | 24-5-87       |          |           |                                        |               |
| 8-42x                             | EC301320  | △ MP/C. 4700PF(M) 25WV (CEE, UK, SAA)             | 24-9-122      |          |           |                                        |               |
| 8-43                              | TA323028  | Push Rod                                          | AMU-4027      |          |           |                                        |               |
| 8-44x                             | ZS422076  | Screw, pan 3x5                                    |               |          |           |                                        |               |
| 8-45                              | ZW698308  | Nylon Rivet (NRB) 3x5.5 (Black)                   | 2-7-54        |          |           |                                        |               |
| 8-46                              | EL324355  | Lamp (Cord) 8V 50mA (800mmx2)                     | 28-2-84       |          |           |                                        |               |

## 9. FINAL ASSEMBLY BLOCK



### FINAL ASSEMBLY BLOCK

| Ref. No.                 | Parts No. | Description                      | Schematic No.  |
|--------------------------|-----------|----------------------------------|----------------|
| <b>FRONT PANEL BLOCK</b> |           |                                  |                |
| 9-1                      | BD323101  | Front Panel BLK AM-U04           | AMU-4055       |
| 9-2x                     | BD323102  | Front Panel BLK AM-U04-BL        | AMU-4055       |
| 9-3x                     | SE322578  | Escutcheon (A)                   | ATK-2013       |
| 9-4                      | SB322576  | Button (A)                       | ATK-2012       |
| 9-5x                     | SB322577  | Button (A-BL)                    | ATK-2012       |
| 9-6x                     | ZG322579  | Spring (A)                       | ATK-2014       |
| 9-7x                     | SE322559  | Escutcheon                       | AMU-2045       |
| 9-8                      | SB322557  | Button                           | AMU-2044       |
| 9-9x                     | SB322558  | Button (BL)                      | AMU-2044       |
| 9-10x                    | ZG322566  | Spring                           | AMU-2050       |
| 9-11                     | SE322538  | Bar Meter Escutcheon             | AMU-2032       |
| 9-12x                    | SE322539  | Bar Meter Escutcheon (BL)        | AMU-2032       |
| 9-13                     | SK324171  | Slide Knob (A) Part AM-U04       | AMU-4061       |
| 9-14x                    | SK323147  | Slide Knob (A-BL) Part AM-U04-BL | AMU-4061       |
| 9-15x                    | ZW270088  | 'E' Ring 1.9M                    | 6-1-9          |
| 9-16x                    | SZ322544  | Bar Meter Plate                  | AMU-2036       |
| 9-17x                    | SZ322545  | Bar Meter Filter                 | AMU-2037, 2058 |
| 9-18                     | TA323037  | Vol. Illumination Plate          | AMU-4033       |
| 9-19x                    | SP323038  | Scale Back Plate                 | AMU-4034       |
| 9-20x                    | SP323039  | Scale Back Plate (BL)            | AMU-4034       |
| 9-21x                    | ZS322402  | Special Tapping Screw, pan 3x8   | 7-1-70         |
| 9-22x                    | ZW616004  | Washer D3.1x8x1t                 |                |
| 9-23x                    | SE323041  | LED Escutcheon                   | AMU-4036       |

| Ref. No.                    | Parts No. | Description                          | Schematic No. |
|-----------------------------|-----------|--------------------------------------|---------------|
| <b>FINAL ASSEMBLY BLOCK</b> |           |                                      |               |
| 9-24                        | SK323042  | Knob                                 | AMU-4037      |
| 9-25x                       | SK323043  | Knob (BL)                            | AMU-4037      |
| 9-26                        | SK322553  | Knob (B)                             | AMU-2042      |
| 9-27x                       | SK322554  | Knob (B-BL)                          | AMU-2042      |
| 9-28                        | SK322555  | Knob (C)                             | AMU-2043      |
| 9-29x                       | SK322556  | Knob (C-BL)                          | AMU-2043      |
| 9-30x                       | ZW324157  | Washer D6.2x13x0.25t                 |               |
| 9-31x                       | ZW324158  | Washer D6.2x13x0.5t                  |               |
| 9-32x                       | ZW324159  | Washer D6.2x13x0.8t                  |               |
| 9-33x                       | ZW265983  | Washer D6.2x13x1t                    |               |
| 9-34x                       | ZW324161  | Washer D6.2x13x1.6t                  |               |
| 9-35x                       | ZS447840  | Tapping Screw, #2 BR 3x8             |               |
| 9-36x                       | SP323044  | Bottom Plate                         | AMU-4038      |
| 9-37x                       | ZS447840  | Tapping Screw, #2 BR 3x8             |               |
| 9-38x                       | SA311742  | Circular Foot                        | PC-2032       |
| 9-39x                       | ZS565942  | Tapping Screw, #2 pan 4x8            |               |
| 9-40                        | SP323045  | Upper Plate (A)                      | AMU-4039      |
| 9-41x                       | SP323047  | Upper Plate (B) (AAL)                | AMU-4039      |
| 9-42x                       | SP323046  | Upper Plate (A-BL)                   | AMU-4039      |
| 9-43x                       | ZS322570  | S-Tight Screw, bind 4x8              |               |
| 9-44                        | ZS322580  | S-Tight Screw, bind 4x8 (AAL, BL)    |               |
| 9-45x                       | ZS308846  | Tapping Screw, #2 BR 3x8 (Oval Neck) | 7-1-69        |

When ordering parts, please quote Parts Number, Description and Model Number.

# INDEX

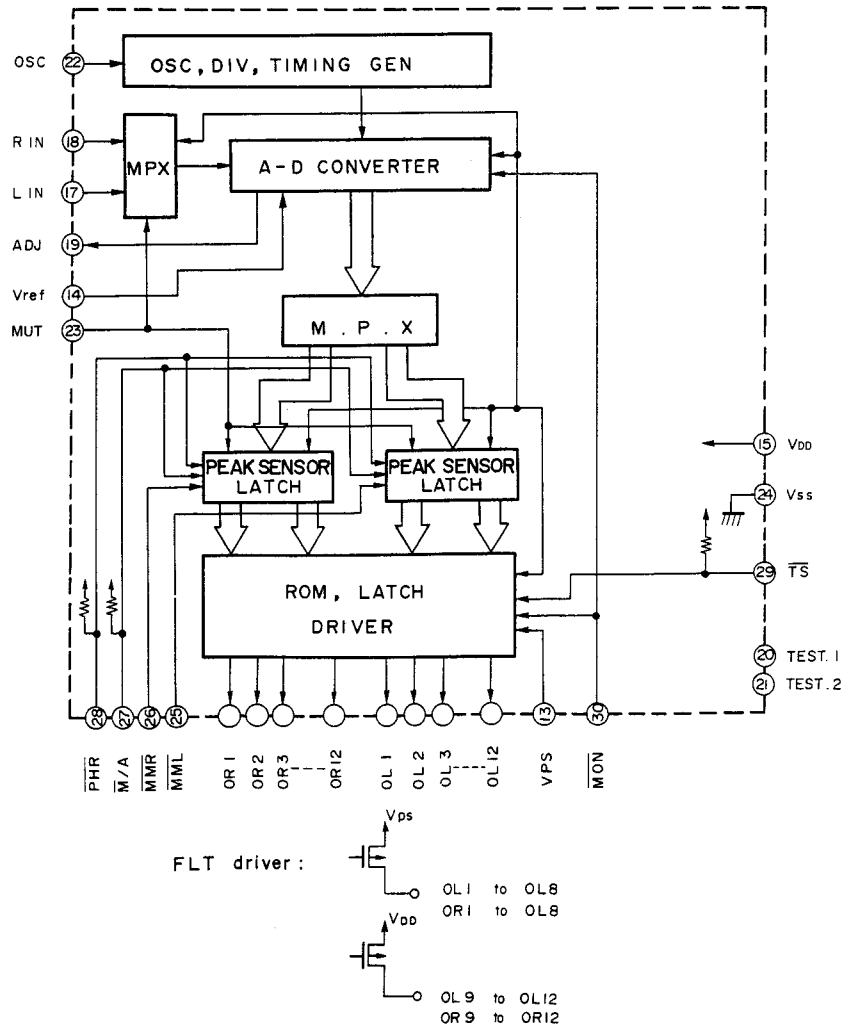
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|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|
| BA323094  | 2-1                   | ED322772  | 8-2                   | EJ554578  | 8-21                  | EV323052  | 3-VR2                 | SZ322544  | 9-16x                 |
| BA323132  | 3-1                   | ED322773  | 8-1                   | EL324355  | 8-46                  | EV323053  | 3-VR3                 | SZ322545  | 9-17x                 |
| BA323135  | 4-1                   | ED322774  | 7-D1                  | EM322584  | 7-IND1                | EV323061  | 8-6                   | TA323028  | 8-43                  |
| BD323101  | 9-1                   | ED322810  | 7-D2                  | EO324150  | 2-L1                  | EV324346  | 3-VR4                 | TA323037  | 9-18                  |
| BD323102  | 9-2x                  | ED323056  | 2-D4,5                | EP323565  | 2-RL1,2               | EV464196  | 2-VR2                 | ZG322566  | 9-10x                 |
| BT320540  | 8-49x                 | ED323057  | 2-D6to9               | ER308875  | 2-R78                 | EV478686  | 2-VR1                 | ZG322579  | 9-6x                  |
| BT324164  | 8-48                  | ED323057  | 2-D16                 | ER322590  | 2-R86                 | EW305691  | 8-28x                 | ZS297641  | 8-58x                 |
| BT324165  | 8-51x                 | ED323059  | 4-D1,2                | ER322591  | 2-R74,75              | EW306427  | 8-27x                 | ZS308673  | 8-18x                 |
| BT324166  | 8-50x                 | ED323149  | 2-D3                  | ER323069  | 4-R8                  | EW306428  | 8-26                  | ZS308846  | 8-32                  |
| BT324167  | 8-52x                 | ED323534  | 2-D26                 | ER323074  | 2-R71to73             | EZ631945  | 8-29                  | ZS308846  | 9-45x                 |
| BT324168  | 8-53x                 | ED323535  | 2-D25                 | ER323075  | 2-R76,77              | SA311742  | 9-38x                 | ZS321279  | 8-4x                  |
| EC243393  | 3-C15                 | ED323556  | 2-D1,2                | ER323351  | 4-R7                  | SB322557  | 9-8                   | ZS322402  | 9-21x                 |
| EC258333  | 8-59                  | ED562386  | 2-D24                 | ER324359  | 8-5                   | SB322558  | 9-9x                  | ZS322570  | 9-43x                 |
| EC258333  | 8-60x                 | ED624903  | 2-D17                 | ER324480  | 2-R89                 | SB322576  | 9-4                   | ZS322580  | 9-44x                 |
| EC301320  | 8-42x                 | ED624903  | 2-D21                 | ER442686  | 2-R80,81              | SB322577  | 9-5x                  | ZS325495  | 2-2                   |
| EC306988  | 6-C3                  | ED624903  | 2-D27                 | ER658034  | 2-R82,83              | SE322538  | 9-11                  | ZS325495  | 8-31x                 |
| EC314688  | 8-41x                 | EF306952  | 8-61                  | ES10839   | 8-36x                 | SE322539  | 9-12x                 | ZS379350  | 8-39x                 |
| EC314715  | 2-C52                 | EF306957  | 8-63x                 | ES315158  | 8-34x                 | SE322559  | 9-7x                  | ZS417216  | 8-37x                 |
| EC314724  | 3-C10                 | EF309388  | 8-62x                 | ES322776  | 6-SW1                 | SE322578  | 9-3x                  | ZS422076  | 7-1                   |
| EC314736  | 5-C1                  | EF309391  | 8-64x                 | ES323062  | 4-SW1                 | SE323041  | 9-23x                 | ZS422076  | 8-44x                 |
| EC314751  | 3-C12                 | EF601301  | 8-65x                 | ES323063  | 4-SW2                 | SK322553  | 9-26                  | ZS424056  | 8-55                  |
| EC314754  | 3-C11                 | EF601942  | 8-67x                 | ES323081  | 5-SW1to6              | SK322554  | 9-27x                 | ZS434250  | 8-56x                 |
| EC314771  | 5-C2                  | EF690996  | 8-66x                 | ES324162  | 8-33                  | SK322555  | 9-28                  | ZS447840  | 9-35x                 |
| EC318358  | 4-C3                  | EI322599  | 2-IC4                 | ES679566  | 8-35x                 | SK322556  | 9-29x                 | ZS447840  | 9-37x                 |
| EC321173  | 6-C2                  | EI322599  | 3-IC2                 | ET219868  | 4-TR1                 | SK323042  | 9-24                  | ZS463353  | 8-25x                 |
| EC321302  | 8-40                  | EI322791  | 7-IC1                 | ET305463  | 2-TR8                 | SK323043  | 9-25x                 | ZS498273  | 8-57x                 |
| EC322994  | 2-C51                 | EI323054  | 3-IC1                 | ET305463  | 2-TR11                | SK323147  | 9-14x                 | ZS522865  | 8-20                  |
| EC323055  | 3-C1                  | EI323054  | 4-IC1                 | ET307195  | 2-TR1                 | SK324171  | 9-13                  | ZS565942  | 9-39x                 |
| EC323055  | 3-C8,9                | EI323146  | 8-3                   | ET307195  | 2-TR6,7               | SP320541  | 8-11x                 | ZW265983  | 9-33x                 |
| EC323055  | 4-C11                 | EI323563  | 2-IC2                 | ET307195  | 2-TR10                | SP323019  | 8-10                  | ZW270088  | 9-15x                 |
| EC324102  | 4-C9                  | EI323564  | 2-IC5                 | ET311791  | 2-TR12                | SP323020  | 8-13x                 | ZW305013  | 8-30x                 |
| EC324103  | 4-C10                 | EJ240535  | 8-23                  | ET311792  | 2-TR16                | SP323022  | 8-12x                 | ZW324157  | 9-30x                 |
| EC324154  | 3-C13                 | EJ296853  | 8-24x                 | ET316643  | 2-TR4,5               | SP323023  | 8-14x                 | ZW324158  | 9-31x                 |
| EC324156  | 2-C24to27             | EJ301199  | 8-47                  | ET316643  | 2-TR14,15             | SP323024  | 8-15x                 | ZW324159  | 9-32x                 |
| EC324199  | 2-C53,54              | EJ322581  | 8-19                  | ET316643  | 5-TR1,2               | SP323038  | 9-19x                 | ZW324161  | 9-34x                 |
| EC657044  | 2-C3                  | EJ322582  | 8-22                  | ET322244  | 2-TR2,3               | SP323039  | 9-20x                 | ZW413267  | 8-54x                 |
| ED214457  | 2-D10to15             | EJ323143  | 8-7                   | ET322244  | 2-TR13                | SP323044  | 9-36x                 | ZW616004  | 8-38x                 |
| ED214457  | 2-D20                 | EJ323144  | 8-8                   | ET323105  | 2-TR9                 | SP323045  | 9-40                  | ZW616004  | 9-22x                 |
| ED224548  | 2-D18,19              | EJ323145  | 8-9                   | ET323105  | 2-TR17                | SP323046  | 9-42x                 | ZW652408  | 8-17x                 |
| ED242368  | 2-D22,23              | EJ325358  | 8-16                  | EV323051  | 3-VR1                 | SP323047  | 9-41x                 | ZW698308  | 8-45                  |

## SECTION 3

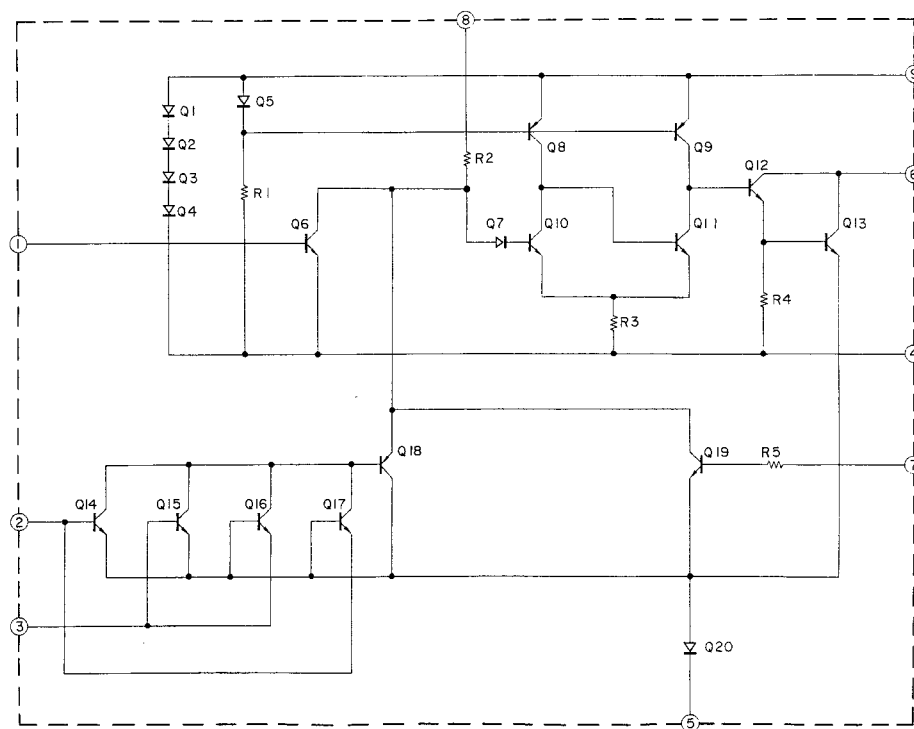
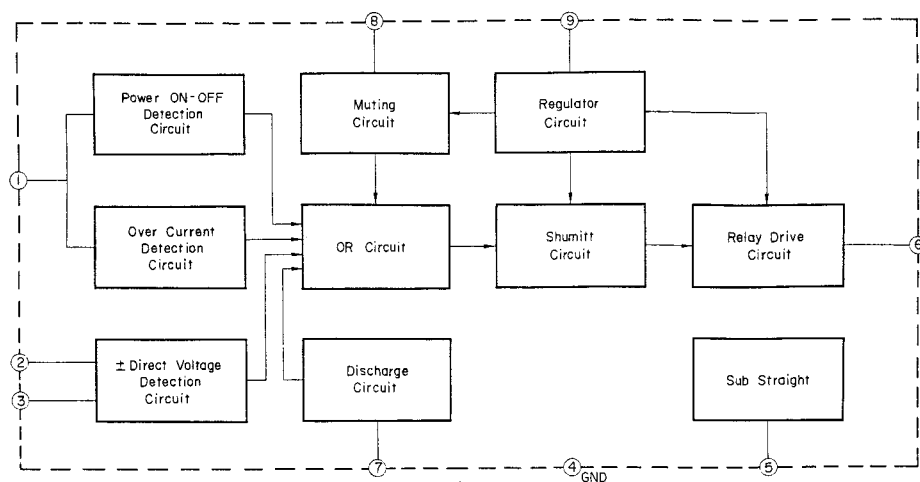
# SCHEMATIC DIAGRAM

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3. AM-U04 No. 2-2 1600439A SCHEMATIC DIAGRAM

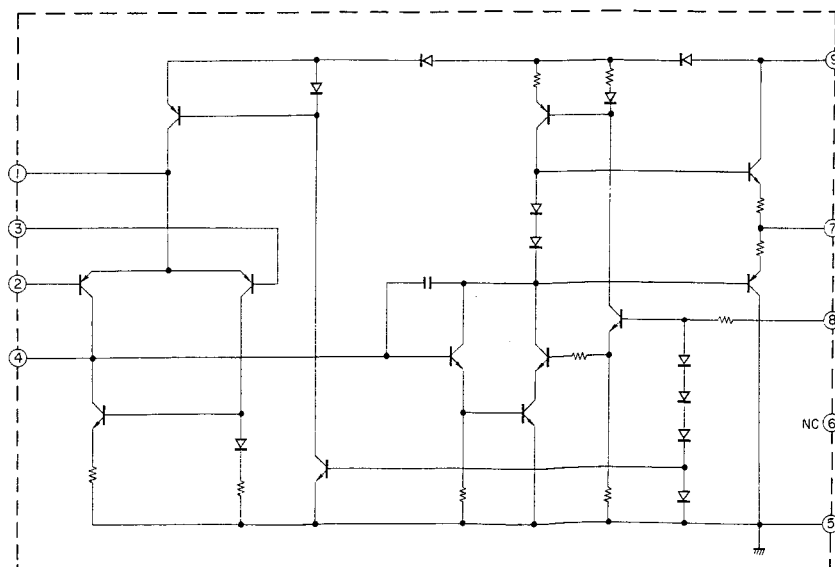
LC7556



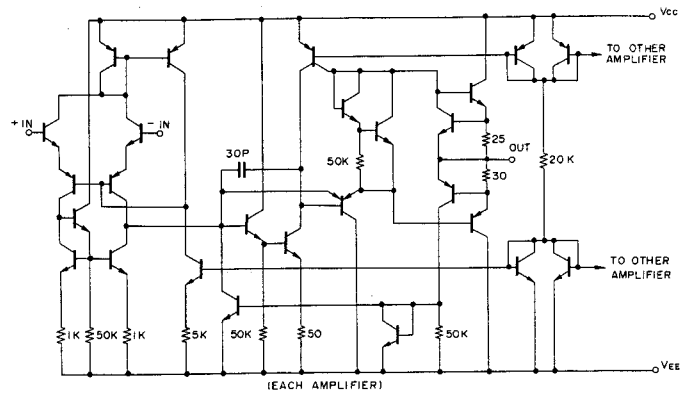
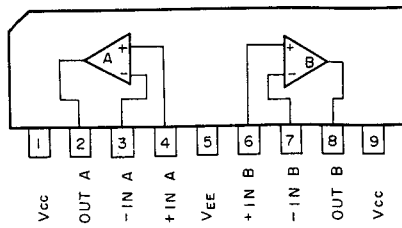
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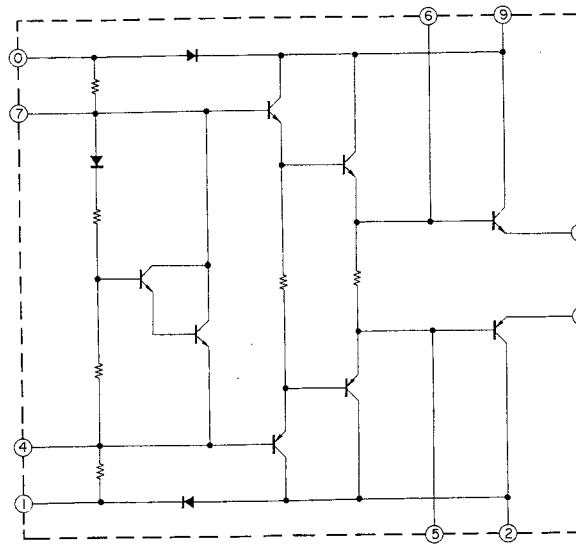
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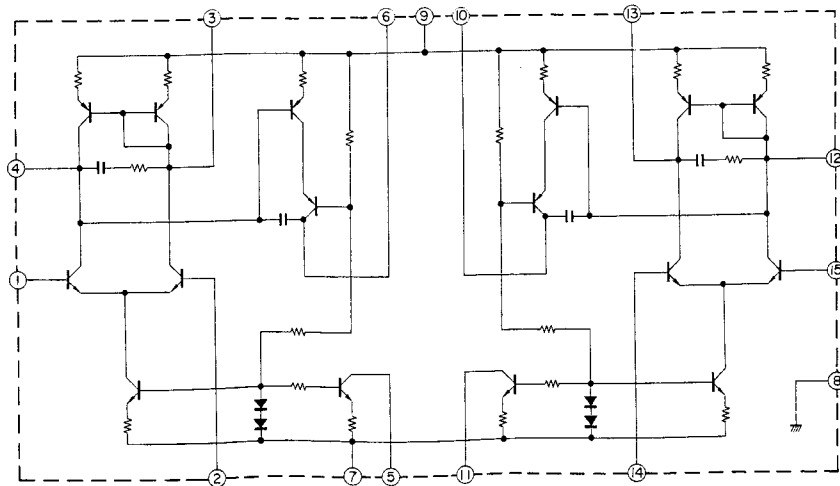
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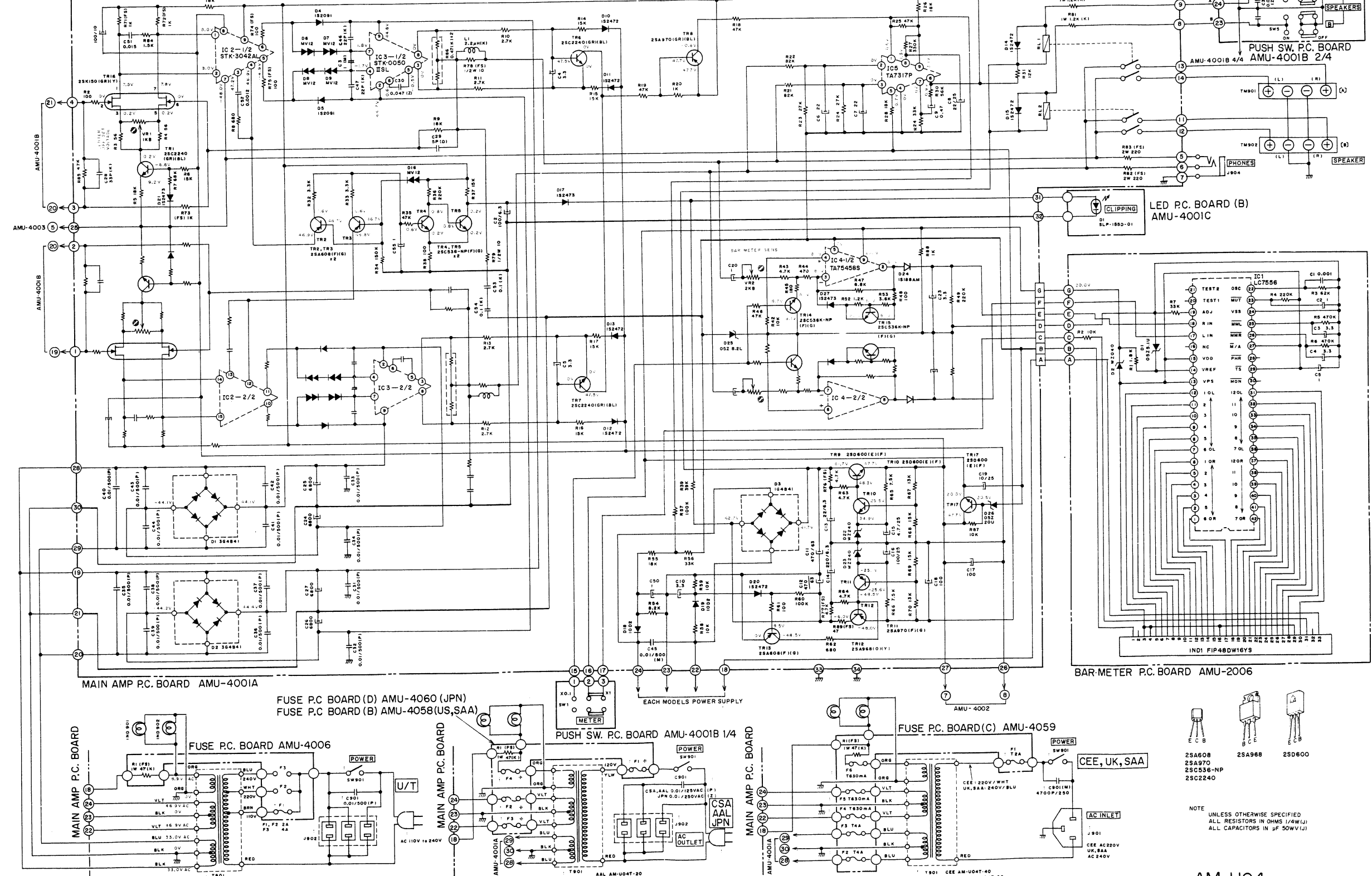
## STK-0050II



## STK-3042



AM-U04



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 SÛRETÉ. POUR MAINTENIR LE DEGRÉ DE SÛRETÉ DE L'APPAREIL, NE REMPLACEZ LES COMPOSANTS QUE PAR DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

|    | JPN        | CSA, AAL   |
|----|------------|------------|
| F1 | 4A 250V    | 4A 125V    |
| F2 | 800mA 250V | 800mA 125V |

AM-U04  
SCHEMATIC DIAGRAM  
No.2-1 1600438A

