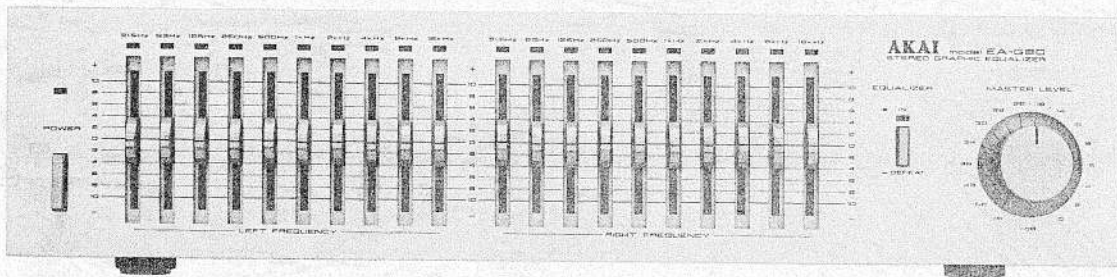
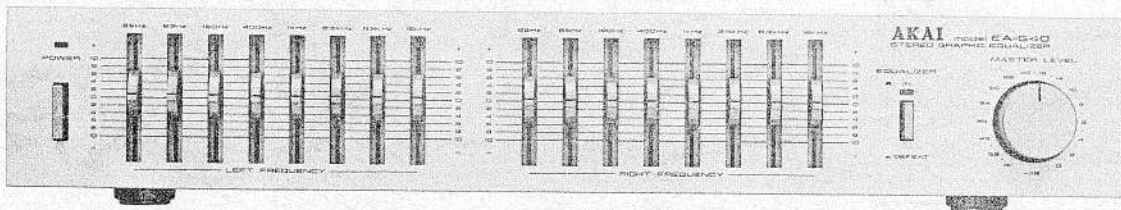


AKAI SERVICE MANUAL

EA-G40
EA-G80



STEREO GRAPHIC EQUALIZER

MODEL **EA-G40**

MODEL **EA-G80**

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

AKAI

EA-G40

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

AKAI

EA-G80

STEREO GRAPHIC EQUALIZER

MODEL **EA-G40**

MODEL **EA-G80**

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

1. MODEL EA-G40

| | |
|--|--|
| INPUT SENSITIVITY/IMPEDANCE/
SIGNAL TO NOISE RATIO (IHF "A")
INPUT | 1 V/47 kohms/100 dB |
| OUTPUT LEVEL/IMPEDANCE
TAPE REC
OUTPUT | 1 V/600 ohms
1 V/600 ohms |
| RATED LOAD IMPEDANCE | 47 kohms |
| FREQUENCY RESPONSE | 10 Hz to 100 kHz \pm 1 dB |
| TOTAL HARMONIC DISTORTION
(20 Hz to 20 kHz) | 0.005% at output 1 V |
| CHANNEL SEPARATION (Shorted Circuit) | 80 dB |
| CENTER FREQUENCY | 25 Hz, 63 Hz, 160 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6.3 kHz, 16 kHz |
| VARIABLE RANGE | \pm 10 dB (each center frequency) |
| SEMICONDUCTORS | Transistors 18, Diodes 7, ICs 16 |
| POWER REQUIREMENTS | 120 V, 60 Hz for USA and Canada
220 V, 50 Hz for Europe except UK
240 V, 50 Hz for UK and Australia
110 V/220 V/240 V, 50/60 Hz internally switchable for other countries |
| POWER CONSUMPTION | 15 W for U/T, CSA and AAL Models |
| DIMENSIONS | 440 (W) \times 70 (H) \times 290 (D) mm
(17.3 \times 2.8 \times 11.4 inches) |
| WEIGHT | 5.1 kg (11.2 lbs) |

2. MODEL EA-G80

| | |
|--|--|
| INPUT SENSITIVITY/IMPEDANCE/
SIGNAL TO NOISE RATIO (IHF "A")
INPUT | 1 V/47 kohms/100 dB |
| OUTPUT LEVEL/IMPEDANCE
TAPE REC
OUTPUT | 1 V/600 ohms
1 V/600 ohms |
| RATED LOAD IMPEDANCE | 47 kohms |
| FREQUENCY RESPONSE | 10 Hz to 100 kHz \pm 1 dB |
| TOTAL HARMONIC DISTORTION
(20 Hz to 20 kHz) | 0.005% at output 1 V |
| CHANNEL SEPARATION (Shorted Circuit) | 80 dB |
| CENTER FREQUENCY | 31.5 Hz, 63 Hz, 125 Hz, 250 Hz, 500 Hz, 1 kHz, 2 kHz, 4 kHz, 8 kHz,
16 kHz |
| VARIABLE RANGE | \pm 10 dB (each center frequency) |
| SEMICONDUCTORS | Transistors 54, Diodes 34, ICs 42, FETs 2 |
| POWER REQUIREMENTS | 120 V, 60 Hz for USA and Canada
220 V, 50 Hz for Europe except UK
240 V, 50 Hz for UK and Australia
110 V/220 V/240 V, 50/60 Hz internally switchable for other countries |
| POWER CONSUMPTION | 15 W for U/T, CSA and AAL Models |
| DIMENSIONS | 440 (W) \times 97 (H) \times 290 (D) mm
(17.3 \times 3.8 \times 11.4 inches) |
| WEIGHT | 6.8 kg (15.0 lbs) |

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

II. VOLTAGE CONVERSION

1. MODEL EA-G40

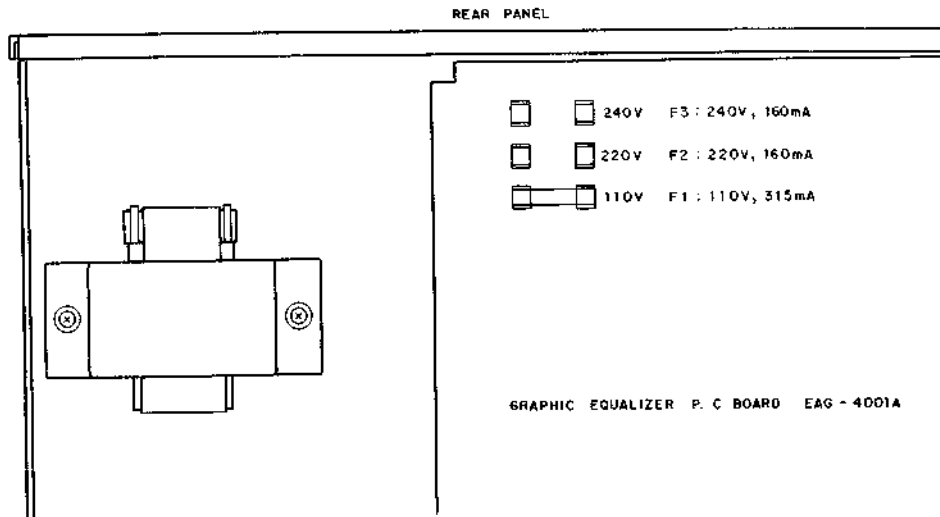


Fig. 1 Graphic Equalizer P.C. Board (EAG-4001A)

2. MODEL EA-G80

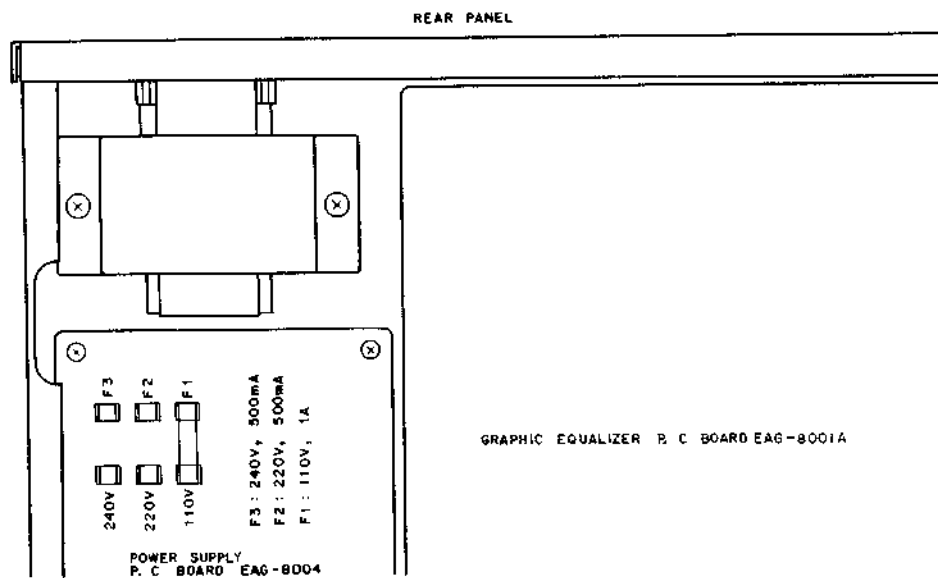


Fig. 2 Power Supply P.C. Board (EAG-8001A)

Models for Canada, USA, Europe 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 110V, 220V or 240V as required.

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

1. Disconnect power cord.
2. Loosen holding screws and remove top panel.
3. Remove existing Line Voltage Fuse and insert required Line Voltage Fuse in proper fuse holder, explicitly following instruction printed on the rear panel and figures shown above.

III. ADJUSTMENTS (Only for model EA-G80)

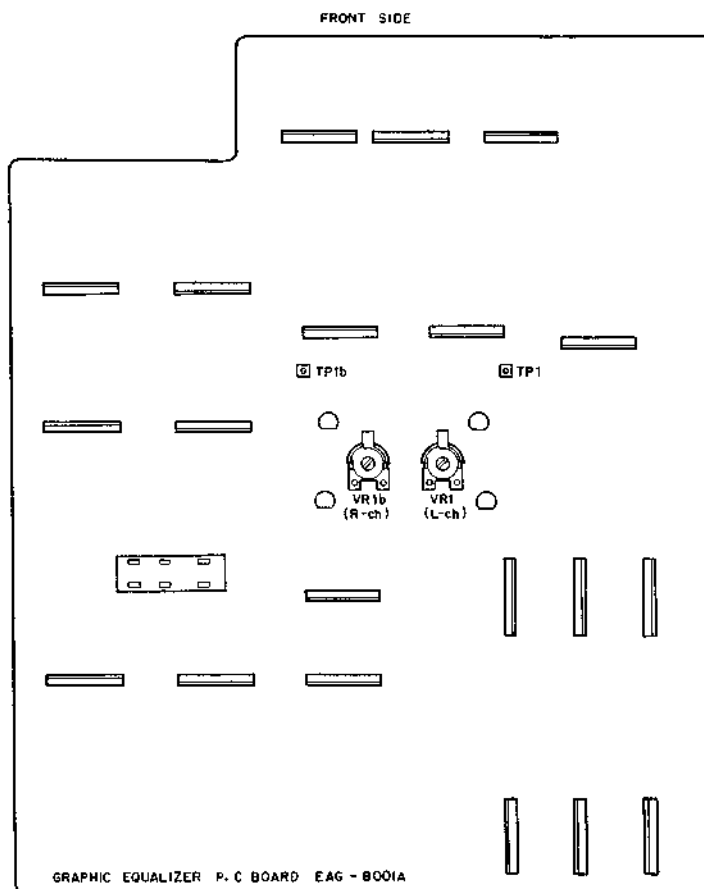


Fig. 3 Graphic Equalizer P.C Board (EAG-8001A)

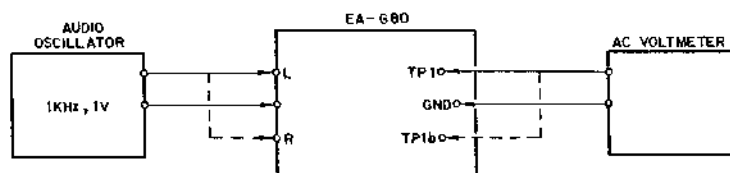


Fig. 4 Instrument Connection

AGC Adjustment

1. Set EQUALIZER switch to "ON" and all control levels to flat "0" position.
2. Connect audio oscillator to INPUT terminal and AC voltmeter between TP1 (L-ch), TP1b (R-ch) and ground.
3. Turn MASTER LEVEL control fully clockwise direction and input sine wave of 1 kHz, 1.00 V (0 dBv).
4. Adjust VR1 (L-ch), VR1b (R-ch) 10 kB so that the AC voltmeter reads 2.0 V.

IV. CLASSIFICATION OF VARIOUS P.C BOARDS

1. P.C BOARD TITLES AND IDENTIFICATION NUMBERS

1) Model EA-G40

| P.C. Board Title | P.C. Board Number |
|--|-------------------|
| Graphic Equalizer P.C Board (A) (U/T) | EAG-4001A |
| Graphic Equalizer P.C Board (B) (CSA, AAL) | EAG-4019A |
| Graphic Equalizer P.C Board (C) (CEE, UK, SAA) | EAG-4020A |
| Slide Volume (L) P.C Board | EAG-4001B |
| Slide Volume (R) P.C Board | EAG-4001C |
| Master Volume P.C Board | EAG-4001D |
| LED P.C Board (A) | EAG-4001E |
| LED P.C Board (B) | EAG-4001F |

Chart-1

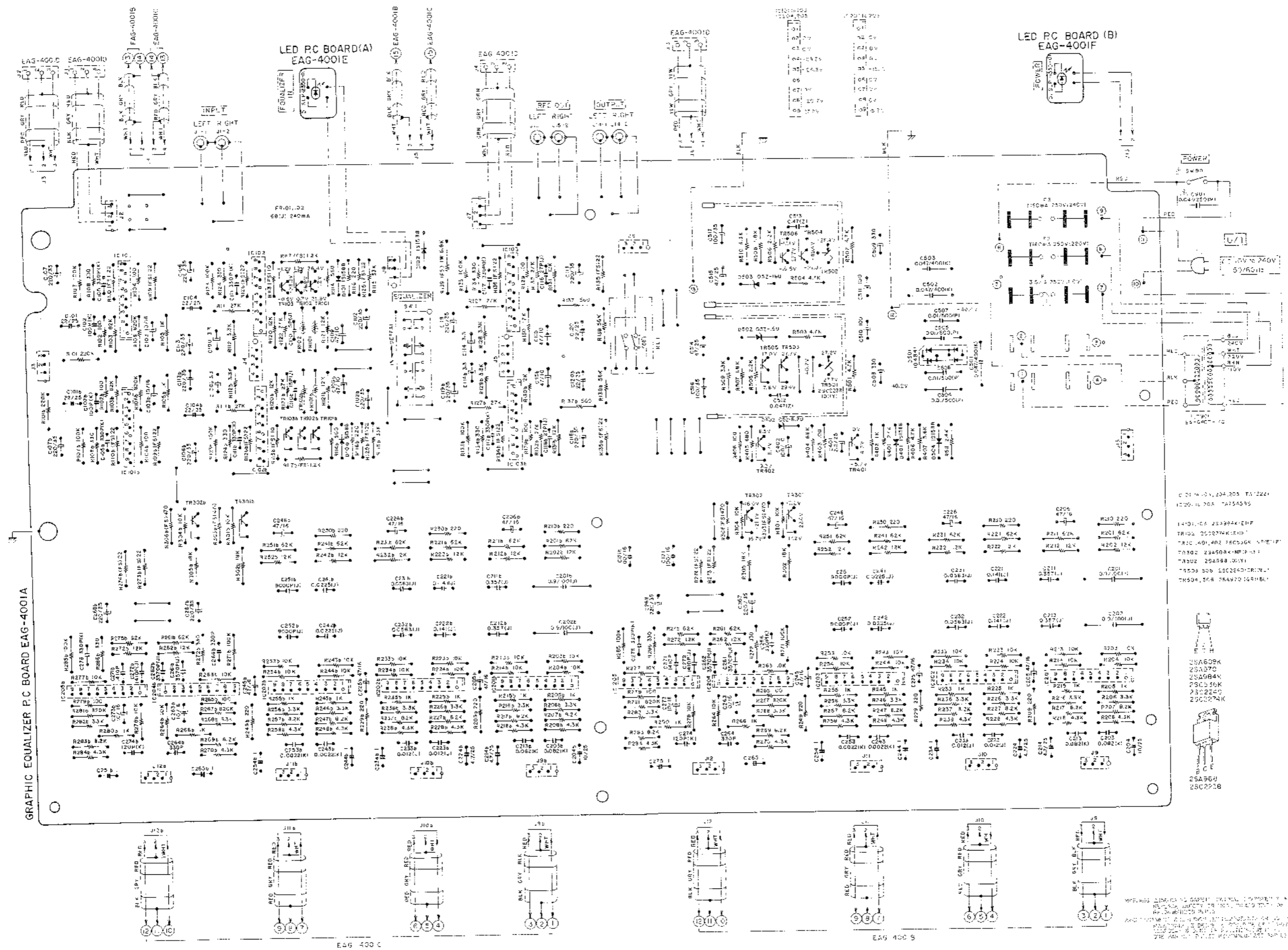
2) Model EA-G80

| P.C. Board Title | P.C. Board Number |
|---|-------------------|
| Graphic Equalizer P.C Board | EAG-8001A |
| Slide Volume P.C Board | EAG-8002 |
| Master Volume P.C Board | EAG-8003 |
| LED P.C Board (B) | EAG-8004B |
| LED P.C Board | EAG-8001B |
| LED P.C Board (C) | EAG-8027 |
| Power Supply P.C Board (A) (U/T) | EAG-8004A |
| Power Supply P.C Board (B) (CSA, AAL) | EAG-8028A |
| Power Supply P.C Board (C) (CEE, UK, SAA) | EAG-8029A |

Chart-2

2. MODEL EA-G40 COMPOSITION OF VARIOUS P.C BOARDS

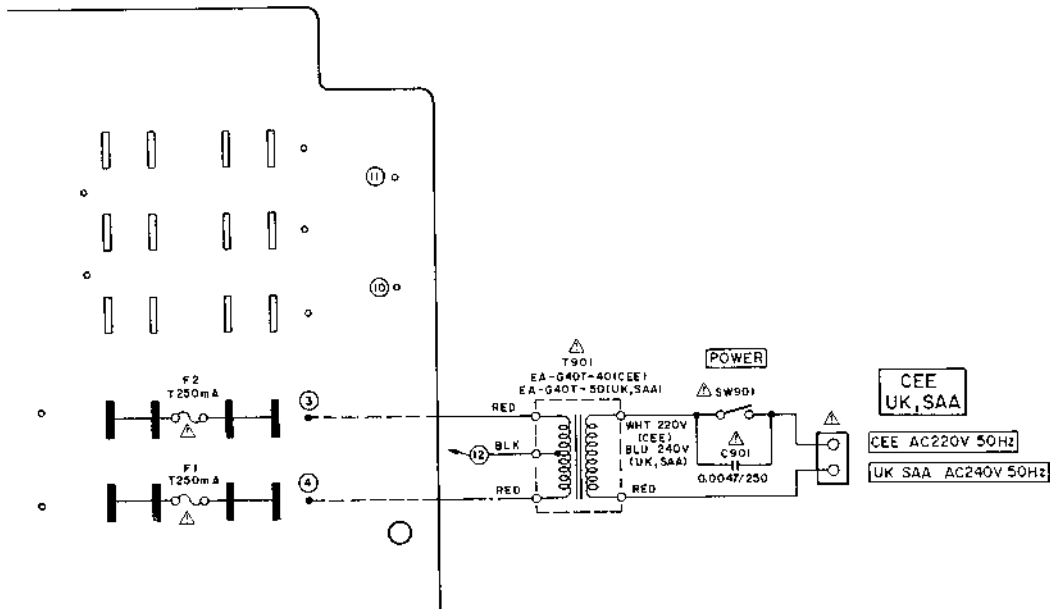
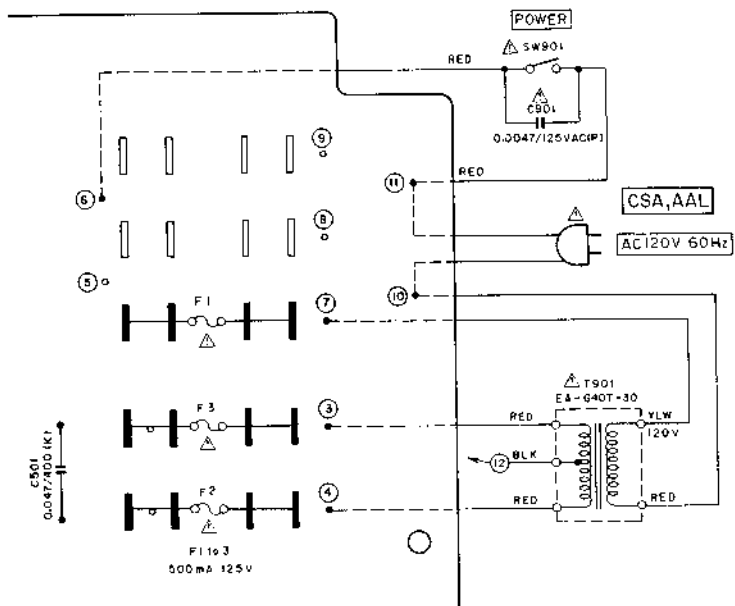
1) GRAPHIC EQUALIZER P.C BOARD (A) EAG-4001A (U/T)/(B) EAG-4019A (CSA, AAL)/(C) EAG-4020A (CEE, UK, SAA), LED P.C BOARD (A) EAG-4001E and LED P.C BOARD (B) EAG-4001F



C 01 74-03, 204, 205 T1 2241
 IC200-16 76A *AT54015
 T1401-CA 25A984K-IMP
 TR100 0C0074K-IMP
 TR10 401,402 16C006K-VRE1P
 TR300 25A508K-NR1P
 TR400 25A508K-100Y
 TR500 508 16C2620K-IMP
 TR600 508 25A970 16A16B1

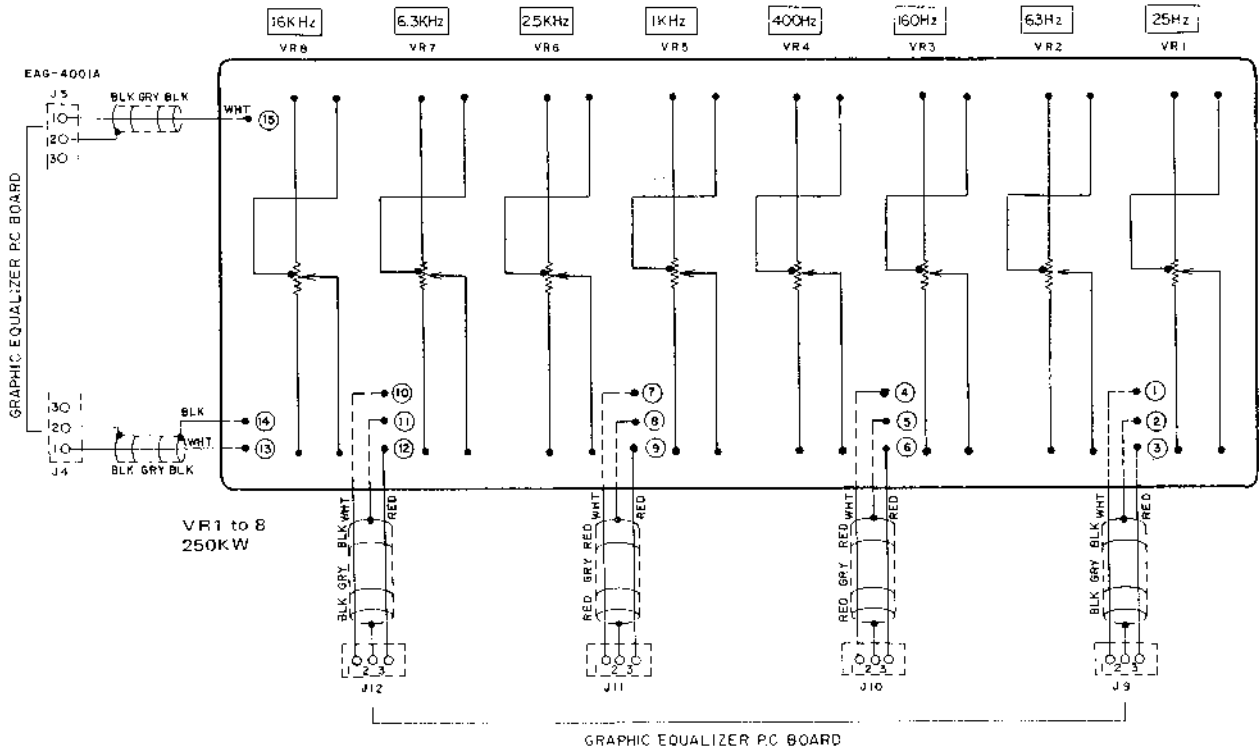


RESISTOR TOLERANCE: 5% UNLESS OTHERWISE SPECIFIED
 CAPACITANCE TOLERANCE: 5% UNLESS OTHERWISE SPECIFIED
 ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED
 BOARD SIZE: 100MM X 100MM

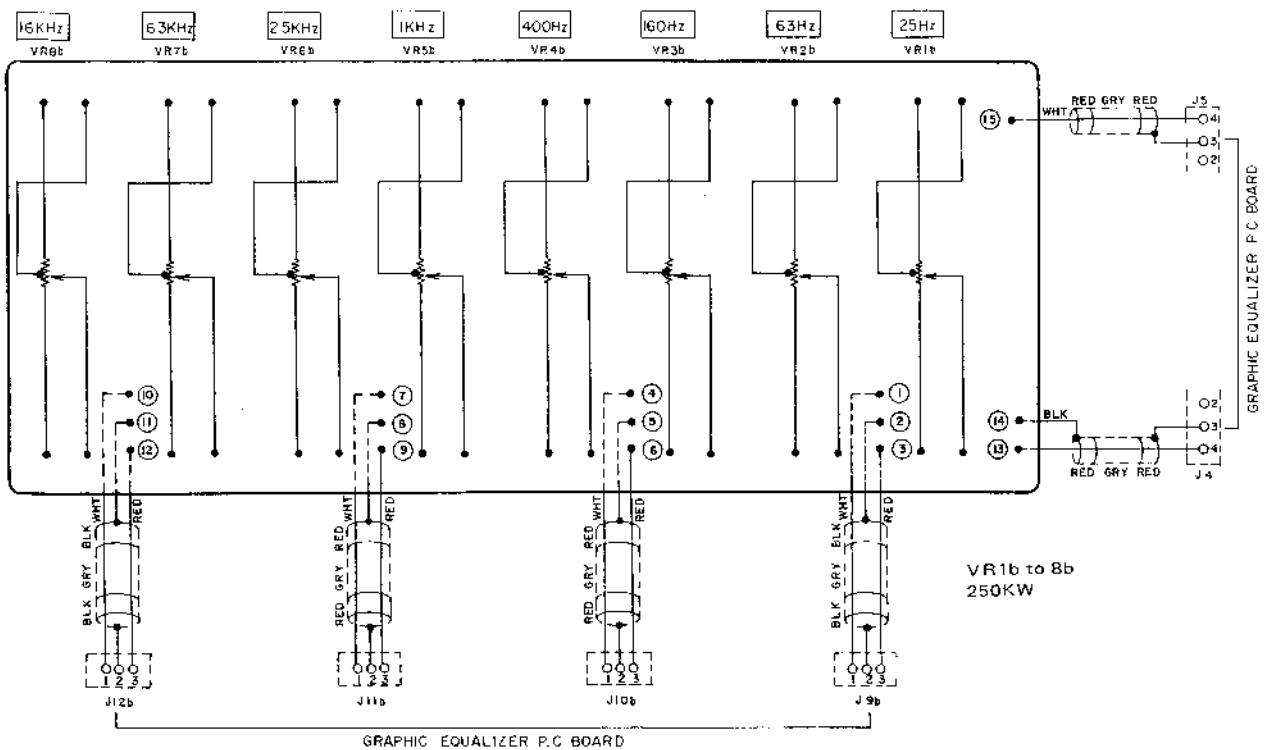


WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.
 AVERTISSEMENT: Δ Δ INDIQUE LES COMPOSANTS CRITIQUES DE SÛRETÉ. POUR MAINTENIR LE DEGRÉ DE SÛRETÉ DE L'APPAREIL, NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT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

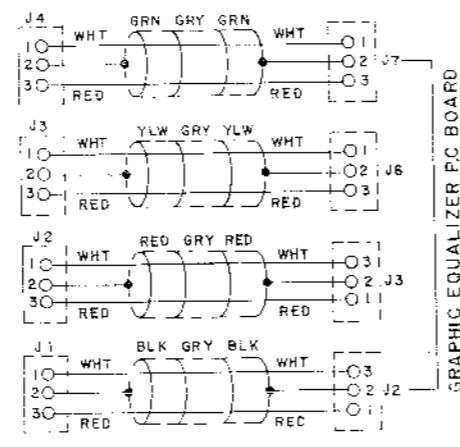
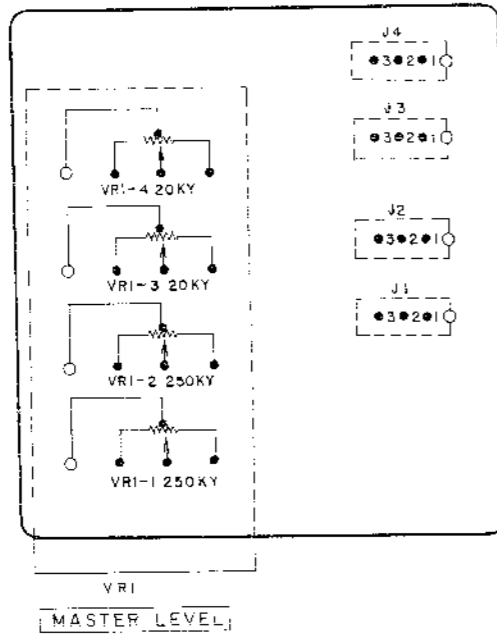
2) SLIDE VOLUME P.C BOARD (L) EAG-4001B



3) SLIDE VOLUME P.C BOARD (R) EAG-4001C

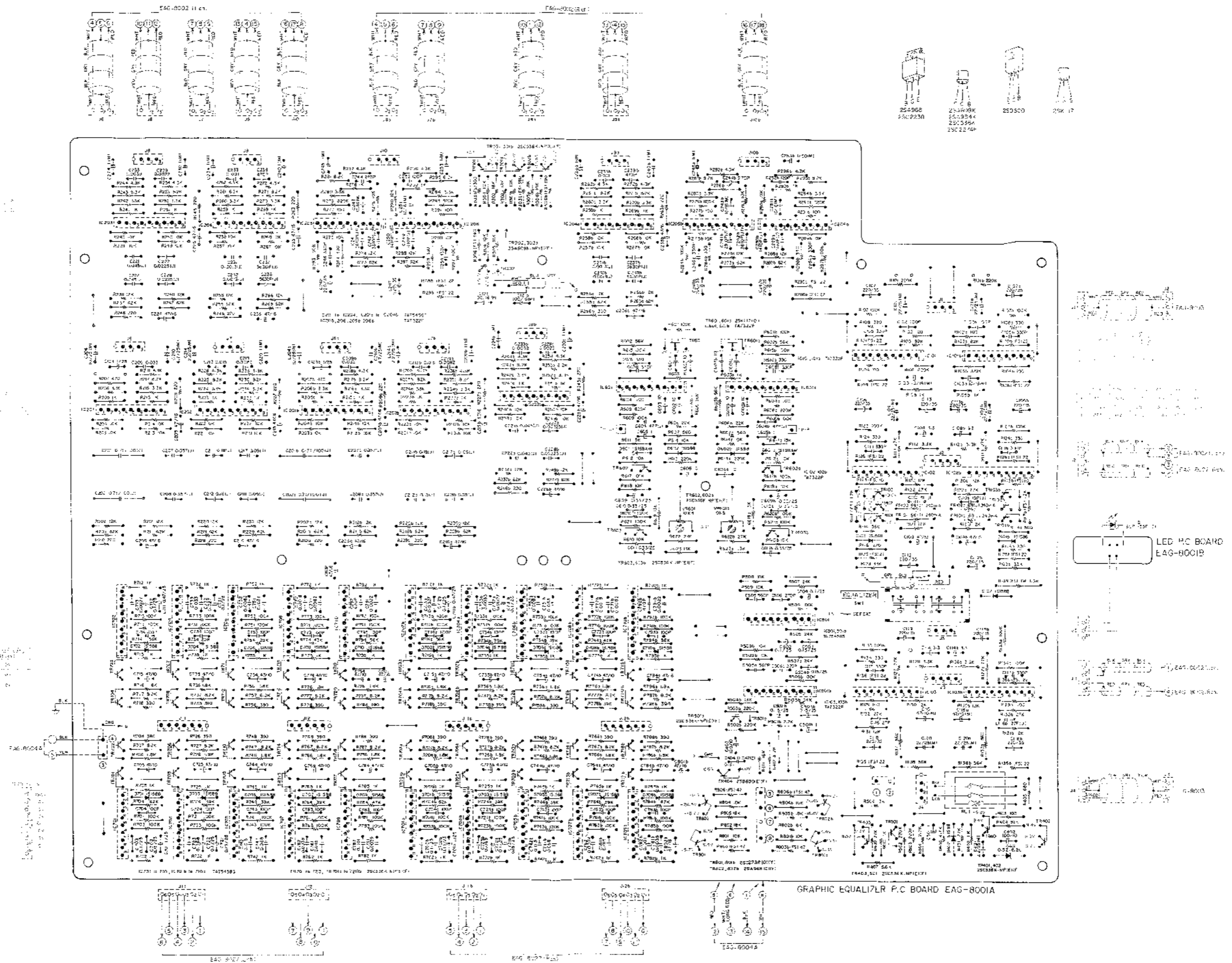


4) MASTER VOLUME P.C BOARD EAG-4001D

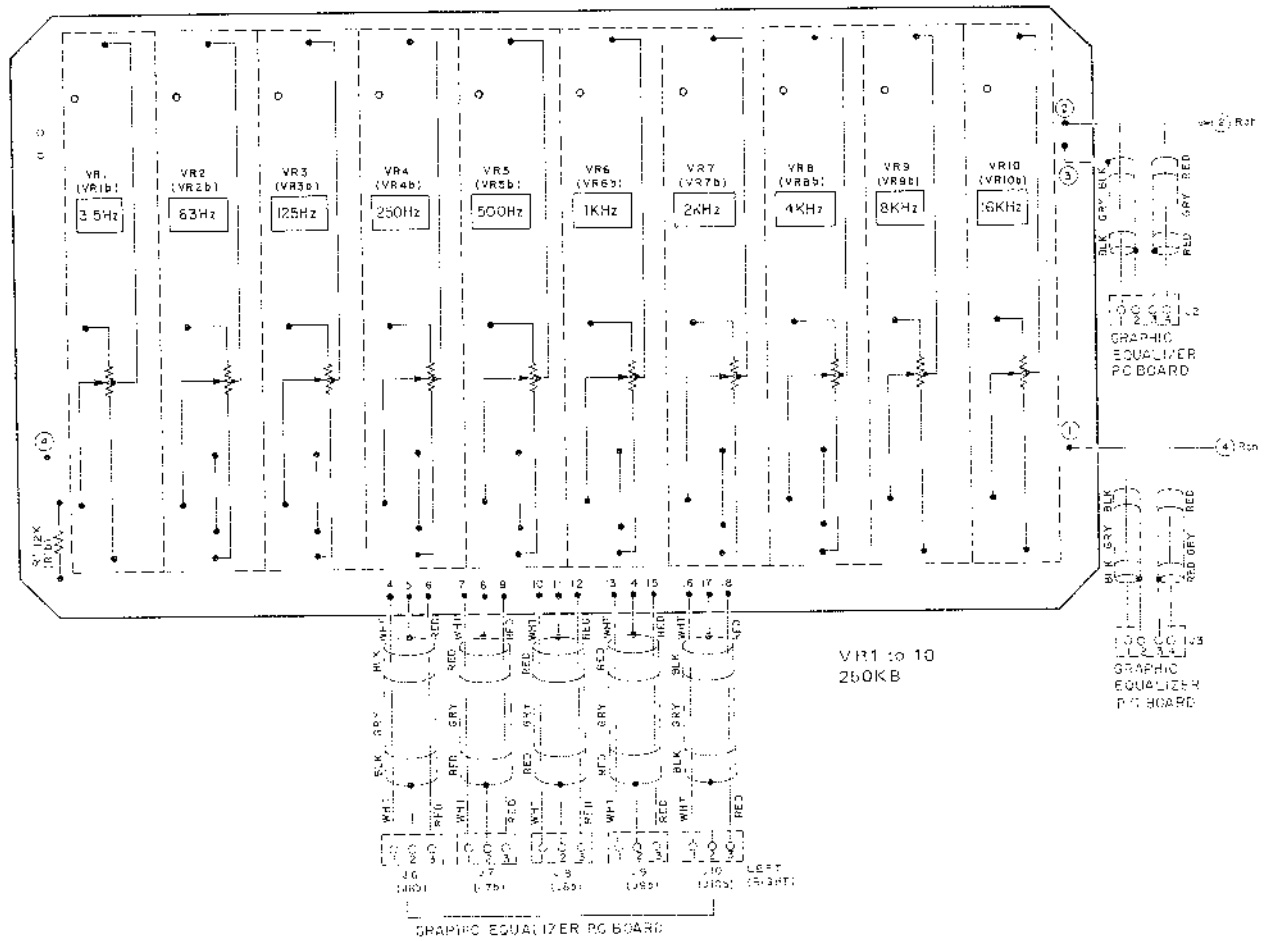


3. MODEL EA-G80 COMPOSITION OF VARIOUS P.C BOARDS

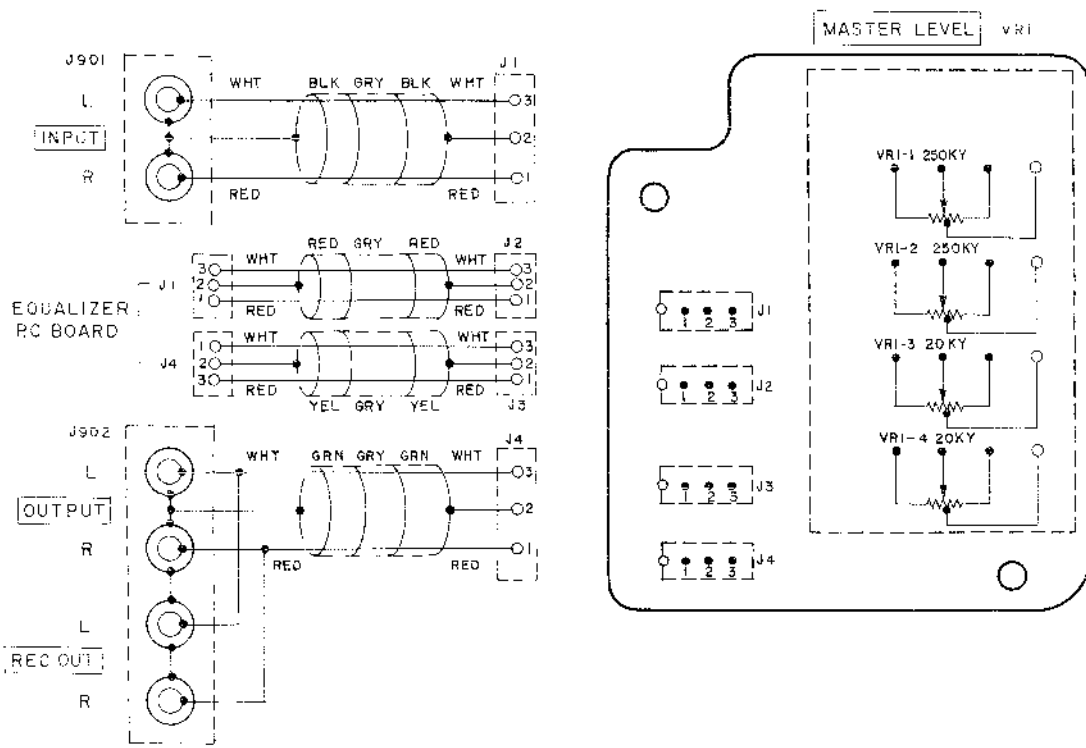
1) GRAPHIC EQUALIZER P.C BOARD EAG-8001A and LED P.C BOARD (A-2) EAG-8001B



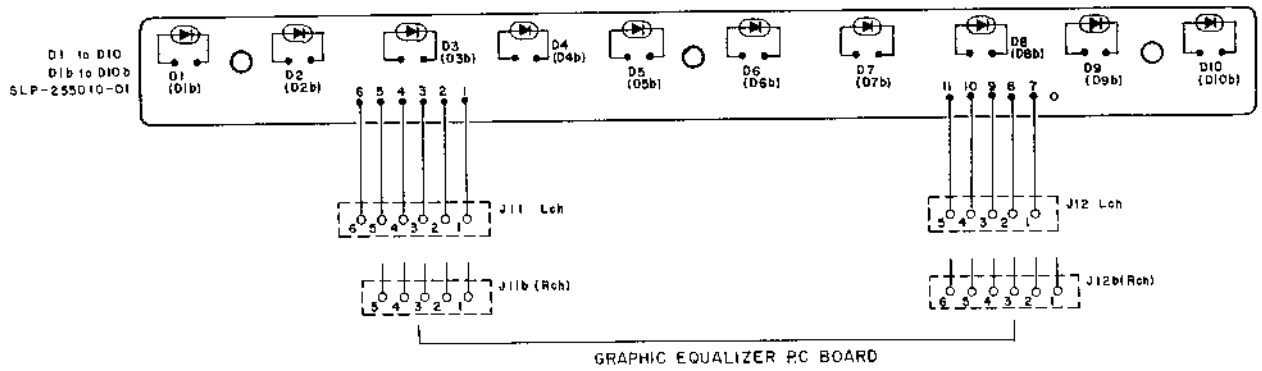
2) SLIDE VOLUME P.C BOARD EAG-8002



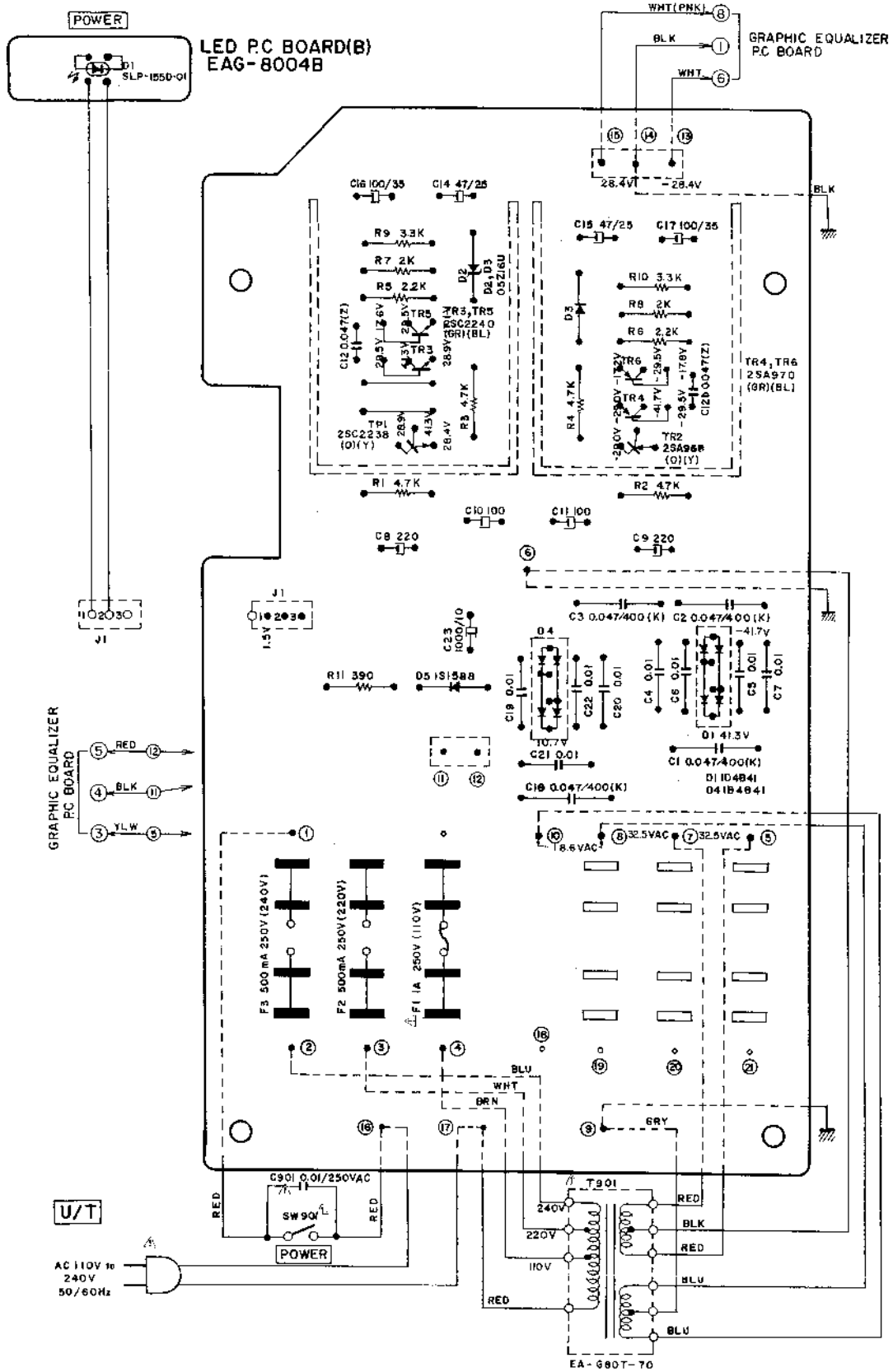
3) MASTER VOLUME P.C BOARD EAG-8003



4) LED P.C BOARD (C) EAG-8027



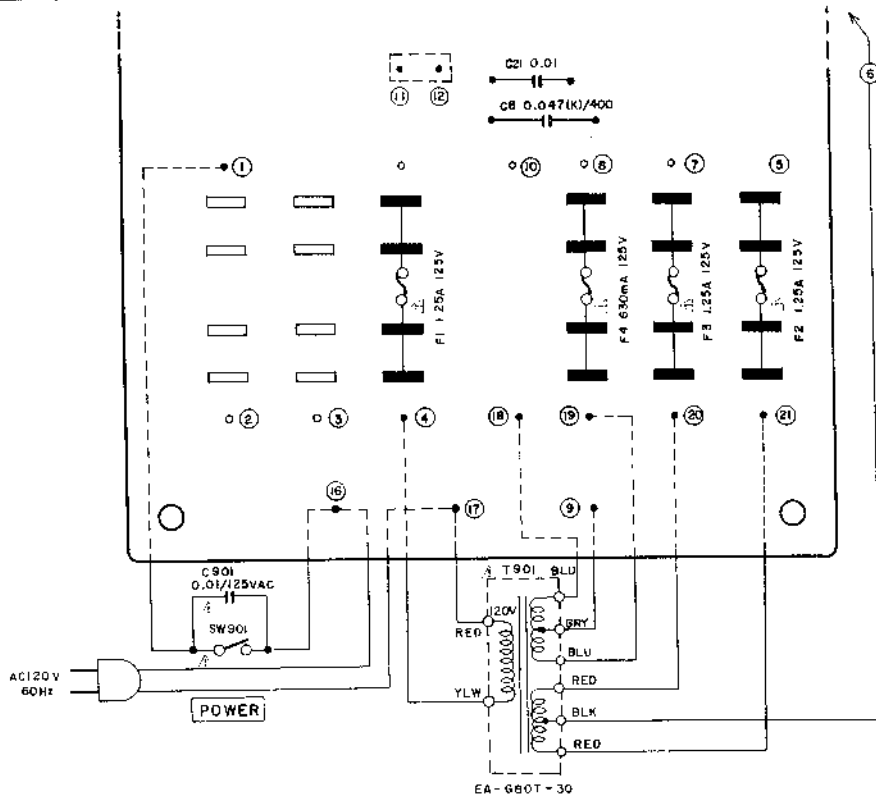
5) POWER SUPPLY P.C BOARD (A) EAG-8004A (U/T)/(B) EAG-8028A (CSA, AAL)/(C) EAG-8029A (CEE, UK, SAA) and LED P.C BOARD (B) EAG-8004B



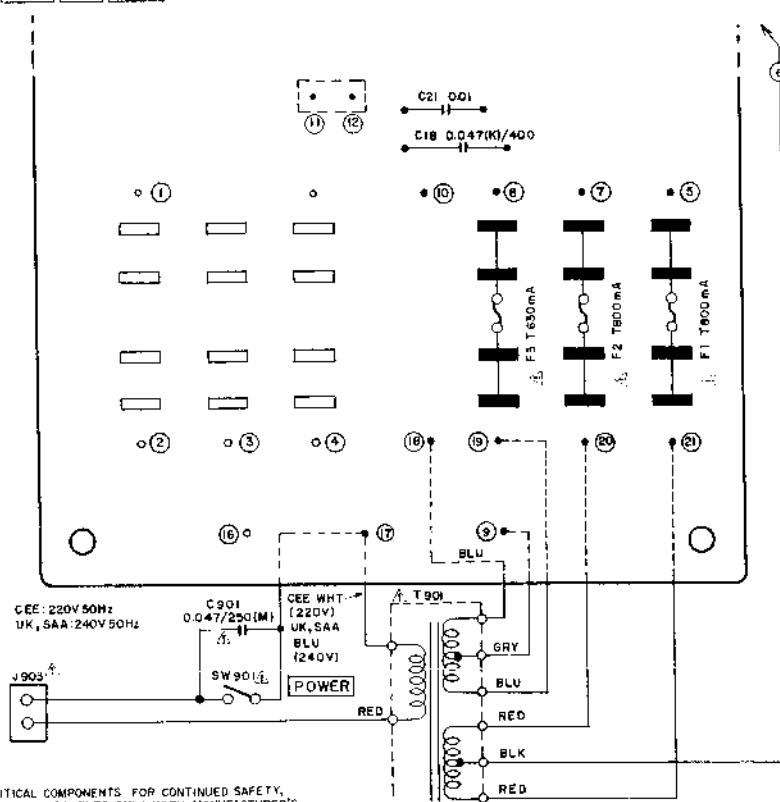
WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

AVERTISSEMENT: Δ R 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.

CSA AAL



CEE UK SAA



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 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.

(CEE)EA-G80T-40
(UK,SAA)EA-G80T-50

MEMO

SECTION 2

PARTS LIST

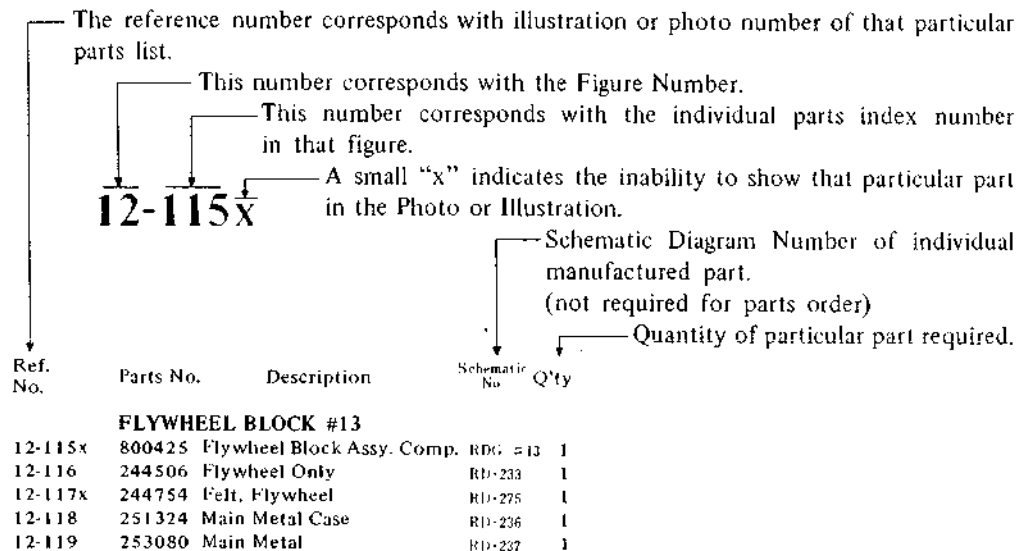
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| II. MODEL EA-G80 | |
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| 3. POWER SUPPLY P.C BOARD | |
| (EAG-8004A/8028A/8029A) BLOCK | 29 |
| 4. ASSEMBLY BLOCK (1) | 30 |
| 5. ASSEMBLY BLOCK (2) | 32 |
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Resistor 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



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. Please utilize separate "Common List for Service Parts" for Resistor Parts orders.
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: \triangle INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

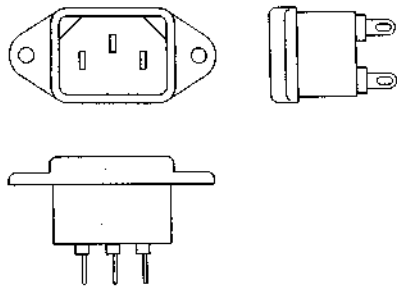
AVERTISSEMENT: \triangle IL INDIQU LES COMPOSANTS CRITIQUES DE SURETE. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SECURITE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT.

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

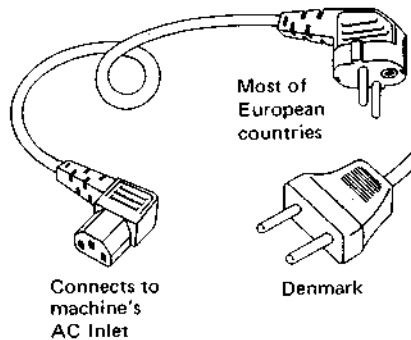
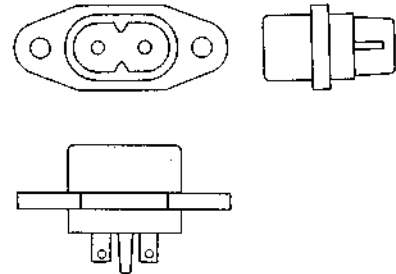
CLASS I



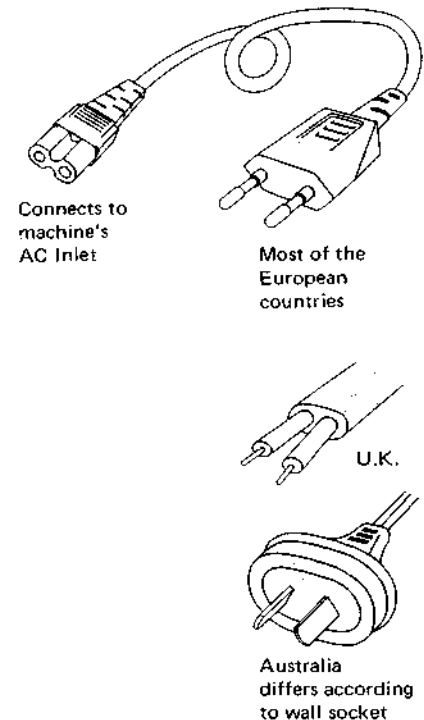
Picture 1
AC INLET
to be
installed
on machines

CLASS II

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



Picture 2
AC (mains)
cord



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 |

I. MODEL EA-G40

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.

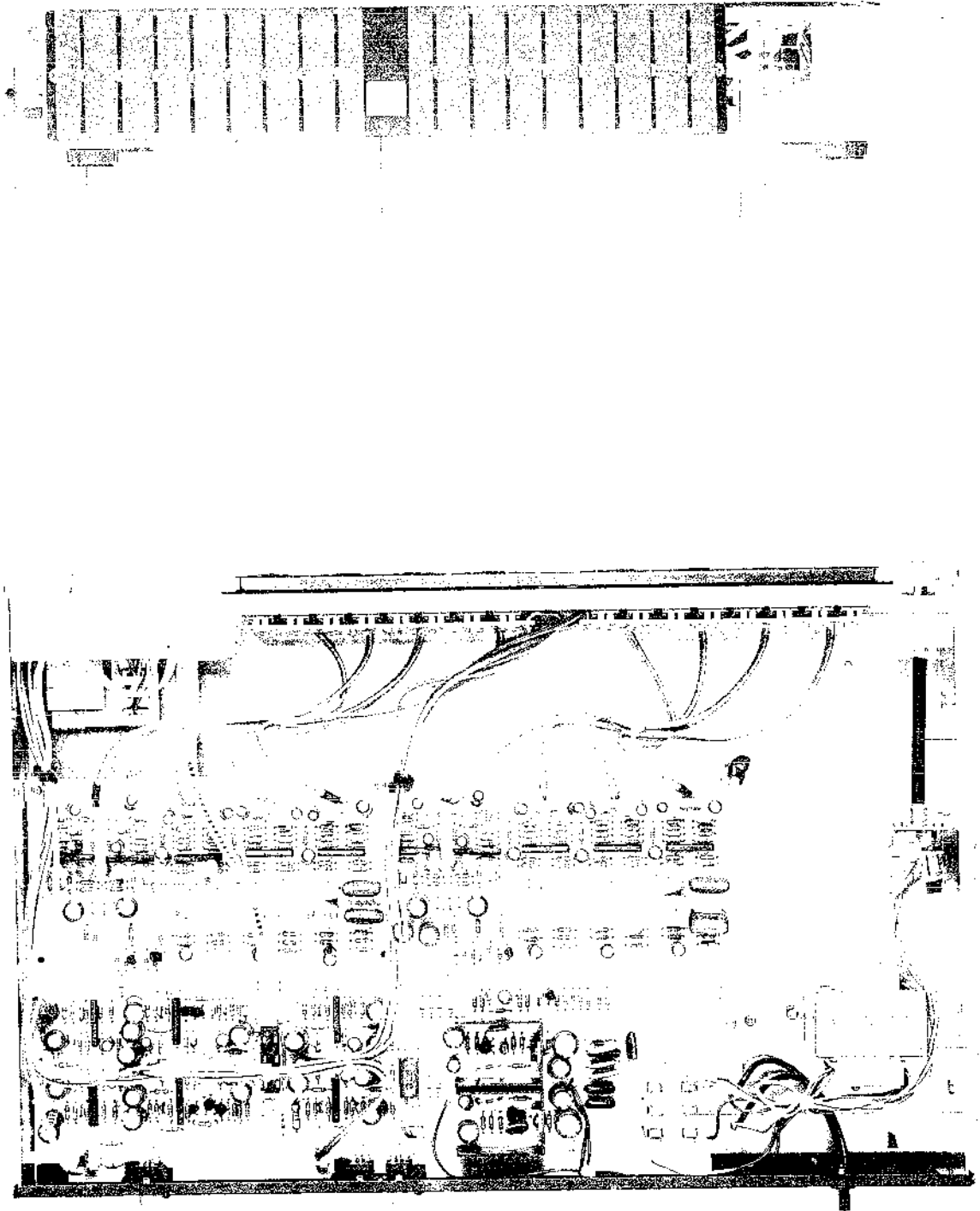
| Parts No. | Description | Notes |
|-----------|---|-------------------|
| BA327739 | Graphic EQ P.C Board Comp. EA-G40 (CEE) | CEE, UK, SAA |
| BA327738 | Graphic EQ P.C Board Comp. EA-G40 (CSA) | CSA, AAL |
| BA327737 | Graphic EQ P.C Board Comp. EA-G40 (U/T) | |
| BT327165 | △ Power Trans. EA-G40T-30 | CSA, AAL |
| BT327166 | △ Power Trans. EA-G40T-40 | CEE |
| BT327167 | △ Power Trans. EA-G40T-50 | UK, SAA |
| BT327164 | △ Power Trans. EA-G40T-70 | U/T |
| ED322772 | LED SLP-155D-01 | |
| ED322773 | LED SLP-255D-01 | |
| ED557447 | Silicon Diode 1S1588 | |
| ED324912 | Silicon Stack 1D4B41 | |
| ED324936 | Zener Diode 05Z-16U | |
| ED326835 | Zener Diode 05Z-8.2J | |
| EF306125 | △ Fuse 315mA 250V | U/T |
| EF309390 | △ Fuse 500mA 125V | CSA, AAL |
| EF300586 | △ Fuse (EAWK) 250MAT | CEE, UK, SAA |
| EF322975 | △ Fuse (EAWK) 160MAT | U/T |
| EI323054 | IC TA7322P | |
| EI322599 | IC TA75458S | |
| EJ301513 | △ Inlet 2P | CEE, UK, SAA |
| EJ293365 | Pin Jack 4P | |
| EJ312464 | Pin Jack 2P | |
| EP323350 | Relay L-23M DC 12V | |
| ES310839 | △ Push SW. SDG1P-E 5A/80A 250V | U/T, CEE, UK, SAA |
| ES665875 | △ Push SW. SDG1P-J TV-3 UL/CSA | CSA, AAL |
| ES319902 | Push Selector SUR510 | |
| ES323368 | Remote Push SW. SSR24351D | |
| ET323529 | Transistor 2SA608K-NP (E) (F) | |
| ET311791 | Transistor 2SA968 (O)(Y) | |
| ET305463 | Transistor 2SA970 (GR) (BL) | |
| ET324134 | Transistor 2SA984K (E) (F) | |
| ET311790 | Transistor 2SC2238 (O) (Y) | |
| ET307195 | Transistor 2SC2240 (GR) (BL) | |
| ET309353 | Transistor 2SC2274 (E) (F) | |
| ET316171 | Transistor 2SC536K-NP (E) (F) | |
| EV327169 | Single-Axial 4-Throw/Vol. AP25G 250KYX2, 20KYX2 | |
| EV327163 | Slide/Vol. LFL4E023 250kW | |
| EW306428 | △ AC Cord (U/T) | |
| EW305691 | △ AC Cord CUL | CSA, AAL |
| EW302995 | △ AC Cord Set BEAB 2 Cores | |
| EW315767 | △ AC Cord Set CEE 2 Cores | |
| EW322401 | △ AC Cord Set SAA 2 Cores | |

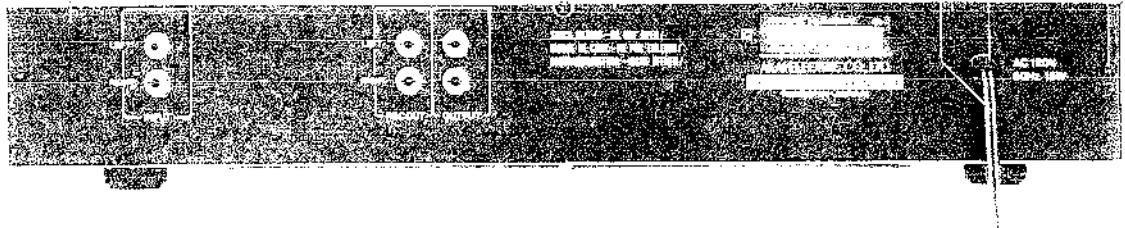
2. GRAPHIC EQ P.C BOARD (EAG-4001A/4019A/4020A) BLOCK

| Symbol No. | Parts No. | Description | Schematic No. | Symbol No. | Parts No. | Description | Schematic No. |
|--------------|-----------|--|---------------|-------------|-----------|---|---------------|
| 2-1 | BA327737 | Graphic EQ P.C Board
Comp. EA-G40 (U/T) | EAG-4001A | 2-C221,222 | EC327145 | Polypropylene/C.
0.141 μ F(J) 50WV | 24-22-10 |
| 2-2 | BA327738 | Graphic EQ P.C Board
Comp. EA-G40 (CSA)
(CSA, AAL) | EAG-4019A | 2-C224 | EC327144 | NP/C. 2.2 μ F(M) 25WV | 24-17-35 |
| 2-3 | BA327739 | Graphic EQ P.C Board
Comp. EA-G40 (CEE)
(CEE, UK, SAA) | EAG-4020A | 2-C231,232 | EC327143 | Polypropylene/C.
0.0563 μ F(J) 50WV | 24-22-10 |
| 2-IC101to103 | EI323054 | IC TA7322P | 45-8-419 | 2-C234 | EC325272 | NP/C. 1 μ F(M) 50WV | 24-17-35 |
| 2-IC201to203 | EI322599 | IC TA75458S | 45-8-415 | 2-C241,242 | EC327141 | Polypropylene/C.
0.0225 μ F(J) 50WV | 24-22-10 |
| 2-IC204,205 | EI323054 | IC TA7322P | 45-8-419 | 2-C244 | EC325272 | NP/C. 1 μ F(M) 50WV | 24-17-35 |
| 2-TR101 | ET324134 | Transistor 2SA984K(E)(F) | 45-1-378 | 2-C251,252 | EC327380 | Styrol/C. 9000PF(J) 50WV | 24-11-18 |
| 2-TR102 | ET309353 | Transistor 2SC2274(E)(F) | 45-1-335 | 2-C254 | EC325272 | NP/C. 1 μ F(M) 50WV | 24-17-35 |
| 2-TR103 | ET324134 | Transistor 2SA984K(E)(F) | 45-1-378 | 2-C261,262 | EC327139 | Styrol/C. 3570PF(J) 50WV | 24-11-18 |
| 2-TR301 | ET316171 | Transistor
2SC536K-NP(E)(F) | 45-1-362 | 2-C265 | EC325272 | NP/C. 1 μ F(M) 50WV | 24-17-35 |
| 2-TR302 | ET323529 | Transistor
2SA608K-NP(E)(F) | 45-1-375 | 2-C271,272 | EC327381 | Styrol/C. 1410PF(J) 50WV | 24-11-18 |
| 2-TR401,402 | ET316171 | Transistor
2SC536K-NP(E)(F) | 45-1-362 | 2-C275 | EC325272 | NP/C. 1 μ F(M) 50WV | 24-17-35 |
| 2-TR501 | ET311790 | Transistor 2SC2238(O)(Y) | 45-1-339 | 2-C501to503 | EC321088 | Metallized Mylar/C.
0.047 μ F(K) 400WV | 24-16-23 |
| 2-TR502 | ET311791 | Transistor 2SA968(O)(Y) | 45-1-338 | 2-4 | ZS325495 | Tapping Screw, #2 BR 3x6 | |
| 2-TR503 | ET307195 | Transistor
2SC2240(GR)(BL) | 45-1-302 | | | | |
| 2-TR504 | ET305463 | Transistor
2SA970(GR)(BL) | 45-1-303 | | | | |
| 2-TR505 | ET307195 | Transistor
2SC2240(GR)(BL) | 45-1-302 | | | | |
| 2-TR506 | ET305463 | Transistor
2SA970(GR)(BL) | 45-1-303 | | | | |
| 2-D101,102 | ED557447 | Silicon Diode 1S1588 | 45-3-22 | | | | |
| 2-D401 | ED557447 | Silicon Diode 1S1588 | 45-3-22 | | | | |
| 2-D402 | ED326835 | Zener Diode 05Z-8.2U | 45-6-76 | | | | |
| 2-D501 | ED324912 | Silicon Stack 1D4B41 | 45-2-100 | | | | |
| 2-D502,503 | ED324936 | Zener Diode 05Z-16U | 45-6-76 | | | | |
| 2-D504 | ED557447 | Silicon Diode 1S1588 | 45-3-22 | | | | |
| 2-RL1 | EP323350 | Relay L-23M DC12V | 47-2-34 | | | | |
| 2-SW1 | ES323368 | Remote Push SW.
SSR24351D | 25-14-502 | | | | |
| 2-J1 | EJ312464 | 2P Pin Jack | 31-5-148 | | | | |
| 2-J14 | EJ293365 | Pin Jack 4P | 31-1-197 | | | | |
| 2-FR101,102 | ER327170 | Fuse/R. 1/4W 68 ohms(J) | 35-14-33 | | | | |
| 2-R109,110 | ER324934 | Carbon/R. F 1/4WS
22 ohms(J) | 35-11-30 | | | | |
| 2-R113 | ER322787 | Carbon/R. F 1/4WS
10 ohms (J) | 35-11-30 | | | | |
| 2-R117 | ER327198 | Carbon/R. F 1/4WS
1.2K(J) | 35-11-30 | | | | |
| 2-R125,126 | ER324934 | Carbon/R. F 1/4WS
22 ohms(J) | 35-11-30 | | | | |
| 2-R135,136 | ER324934 | Carbon/R. F 1/4WS
22 ohms(J) | 35-11-30 | | | | |
| 2-R139 | ER327172 | Metal Oxide Film/R.
F 1W 1.8K(J) | 35-19-4 | | | | |
| 2-R273,274 | ER324934 | Carbon/R. F 1/4WS
22 ohms(J) | 35-11-30 | | | | |
| 2-R303 | ER316802 | Carbon/R. F 1/4WS
470 ohms (J) | 35-11-30 | | | | |
| 2-R306 | ER316802 | Carbon/R. F 1/4WS
470 ohms(J) | 35-11-30 | | | | |
| 2-C101 | EC327171 | NP/C. (Vert.) 22 μ F(M)
25WV | 24-17-35 | | | | |
| 2-C104 | EC327171 | NP/C. (Vert.) 22 μ F(M)
25WV | 24-17-35 | | | | |
| 2-C120 | EC327171 | NP/C. (Vert.) 22 μ F(M)
25WV | 24-17-35 | | | | |
| 2-C121 | EC327176 | NP/C. 100 μ F(M) 16WV | 24-17-35 | | | | |
| 2-C201,202 | EC327231 | Metallized Mylar/C.
(Vert.) 0.9 μ F(J) 100WV | 24-16-31 | | | | |
| 2-C204 | EC327179 | NP/C. 10 μ F(M) 25WV | 24-17-35 | | | | |
| 2-C211,212 | EC327180 | Polypropylene/C.
0.357 μ F(J) 50WV | 24-22-10 | | | | |
| 2-C214 | EC327146 | NP/C. 4.7 μ F(M) 25WV | 24-17-35 | | | | |

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

3. ASSEMBLY BLOCK (1)



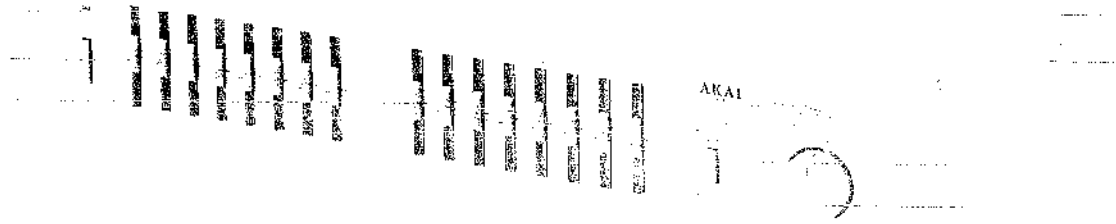


ASSEMBLY BLOCK (1)

| Ref. No. | Parts No. | Description | Selection No. | Ref. No. | Parts No. | Description | Selection No. |
|----------|-----------|---|---------------|----------|-----------|--|---------------|
| | | LED P.C BOARD BLOCK | | | | | |
| 3-1 | ED322773 | LED SLP-15510-01 | 15 15 37 | 3-25 | ZS462194 | Tapping Screw, #2 Pan 3x8 W/B | |
| 3-2 | ED322772 | LED SLP-15510-01 | 15 15 38 | 3-26x | ZS522865 | Tapping Screw, #2 BR 3x12 (Black) | |
| | | MASTER VOL. P.C BOARD BLOCK | | 3-27 | ES310830 | ▲ Push SW. SDG1P-E 5A/80A 250V (U/T, CEE, UK, SAA) | 25 3 20 |
| 3-3 | EV327169 | Single Axial 4 Throw/Vol. AP25G 250KYX2, 26KYX2 | 33 37 14 | 3-28x | ES665875 | ▲ Push SW. SDG1P-J TV-3 UL/CSA (CSA, AAL) | 25 3 20 |
| | | ASSEMBLY BLOCK | | 3-29 | EC327382 | ▲ MP/C. (Vert.) 0.0047μF(M) 250WV (U/T) | 25 3 10 |
| 3-4 | SP327114 | Rear Panel (A) (U/T) | EAG 40034004 | 3-30 | EC325265 | ▲ Ceramic/C. DE7100 0.0047μF (P) 125VAC (CSA, AAL) | 21 3 57 |
| 3-5x | SP327116 | Rear Panel (B) (CSA) | EAG 40034004 | 3-31x | EC327382 | ▲ MP/C. (Vert.) 0.0047μF(M) 250WV (CEE, UK, SAA) | 21 3 10 |
| 3-6x | SP327117 | Rear Panel (C) (AAL) | EAG 40034004 | 3-32 | BT327164 | ▲ Power Trans. EA-G40T-70 (U/T) | 25 1 257 |
| 3-7x | SP327118 | Rear Panel (D) (CEE) | EAG 40034004 | 3-33x | BT327165 | ▲ Power Trans. EA-G40T-30 (CSA, AAL) | 25 1 258 |
| 3-8x | SP327119 | Rear Panel (E) (UK, SAA) | EAG 40034004 | 3-34x | BT327166 | ▲ Power Trans. EA-G40T-40 (CEE) | 25 1 259 |
| 3-9 | EW306428 | ▲ AC Cord (U/T) | 26 3 64 | 3-35x | BT327167 | ▲ Power Trans. EA-G40T-50 (UK, SAA) | 25 1 260 |
| 3-10x | EW305691 | ▲ AC Cord CUL (CSA, AAL) | 26 3 63 | 3-36 | ZS315511 | S-Tight Screw, Pan 3x6 Cup Point | 7 1 72 |
| 3-11 | EZ631945 | Strain Relief SR-4N-4 (U/T, CSA, AAL) | 27 3 49 | 3-37 | SZ327127 | Mask | EAG 4013 |
| 3-12x | EJ301513 | ▲ Inter 2P (CEE, UK, SAA) | 31 1 206 | 3-38x | SZ327128 | Mask (BL) | EAG 4013 |
| 3-13 | ZS319460 | Tapping Screw, #2 BR 3x6 Oval Neck | 7 1 69 | 3-39 | SZ324432 | Tube (B) | ATK 2636 |
| 3-14x | ZS325495 | Tapping Screw, #2 BR 3x6 | | 3-40 | EW327156 | Remote Wire | 25 14 307 |
| 3-15x | EW315767 | ▲ AC Cord Set CEE 2 Cores (CEE) | 26 3 72 | 3-41 | EF306125 | ▲ Fuse 315mA 250V (U/T) | 39 1 64 |
| 3-16x | EW302995 | ▲ AC Cord Set BEAB 2 Cores (UK) | 26 3 67 | 3-42x | EF322975 | ▲ Fuse (EAWK) 160MAT (U/T) | 39 1 60 |
| 3-17x | EW322401 | ▲ AC Cord Set SAA 2 Cores (SAA) | 26 3 77 | 3-43x | EF309390 | ▲ Fuse 500mA 125V (CSA, AAL) | 39 1 65 |
| 3-18 | EV327163 | Slide/Vol. LFL4E023 250kW | 36 30 4 | 3-44x | EF300586 | ▲ Fuse (EAWK) 250MAT (CEE, UK, SAA) | 39 1 60 |
| 3-19x | ZS477887 | Screw, Countersunk 2.6x5 | | 3-45 | ZS319460 | Tapping Screw, #2 BR 3x6 Oval Neck | 7 1 69 |
| 3-20 | FS319902 | Push Selector SUR510 | 25 14 102 | | | | |
| 3-21 | ZS417216 | Screw, Pan 3x4 | | | | | |
| 3-22 | SA311742 | Circular Foot | 19 3 202 | | | | |
| 3-23x | ZS565942 | Tapping Screw, #2 Pan 4x8 | | | | | |
| 3-24x | ZS306021 | S-Tight Screw, Pan 3x6 | | | | | |

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

4. ASSEMBLY BLOCK (2)



ASSEMBLY BLOCK (2)

| Ref. No. | Parts No. | Description | Reference No. |
|--------------------------|-----------|---------------------------------|---------------|
| FRONT PANEL BLOCK | | | |
| 4-1 | BD327749 | Front Panel Block EA-G40 | |
| 4-2x | BD327750 | Front Panel Block EA-G40-BL | |
| 4-3x | SE322578 | Escutcheon (A) | ATK 2033 |
| 4-4 | SB322576 | Button (A) | ATK 2032 |
| 4-5x | SB322577 | Button (A-BL) | ATK 2031 |
| 4-6x | ZG322579 | Spring (A) | ATK 2034 |
| 4-7x | SE327130 | LED Escutcheon | EAG 4013 |
| 4-8x | SE327129 | Button Escutcheon | EAG 4014 |
| 4-9 | SB322557 | Button | AMI 2036 |
| 4-10x | SB322558 | Button (BL) | AMI 2035 |
| 4-11x | ZG322566 | Spring | AMI 2037 |
| ASSEMBLY BLOCK | | | |
| 4-12x | ZS447840 | Tapping Screw, #2 BR 3x8 | |
| 4-13x | ZW324157 | Washer (SPC) D6.2x13x0.25t | |
| 4-14x | ZW324158 | Washer (SPC) D6.2x13x0.5t | |
| 4-15 | BC322209 | Upper Cover (A) | ATK 2034 |
| 4-16x | BC322212 | Upper Cover (B) (AA1) | ATK 2034 |
| 4-17x | BC322210 | Upper Cover (A-BL) | ATK 2034 |
| 4-18 | ZS322570 | S-Tight Screw, Bind 4x8 | |
| 4-19x | ZS322580 | S-Tight Screw, Bind 4x8 (Black) | |
| 4-20 | SK327132 | Knob (A) | EAG 4017 |
| 4-21x | SK327133 | Knob (A-BL) | EAG 4017 |
| 4-22 | SK327134 | Knob (B) | EAG 4018 |
| 4-23x | SK327135 | Knob (B-BL) | EAG 4018 |

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

II. MODEL EA-G80

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 |
|-----------|---|-----------------|
| BA327808 | Graphic EQ P.C Board Comp. EA-G80 | |
| BT327193 | △ Power Trans. EA-G80T-30 | CSA, AAL |
| BT327194 | △ Power Trans. EA-G80T-40 | CEE |
| BT327195 | △ Power Trans. EA-G80T-50 | UK, SAA |
| BT327192 | △ Power Trans. EA-G80T-70 | U/T |
| ED562386 | Germanium Diode 1S188AM | |
| ED322772 | LED SLP-155D-01 | |
| ED322773 | LED SLP-255D-01 | |
| ED557447 | Silicon Diode 1S1588 | |
| ED322238 | Silicon Stack 1B4B41 | |
| ED324912 | Silicon Stack 1D4B41 | |
| ED324936 | Zener Diode 05Z-16U | |
| ED326835 | Zener Diode 05Z-8.2U | |
| EF309392 | △ Fuse 1.25A 125V | CSA, AAL |
| EF309387 | △ Fuse 1A 250V | U/T |
| EF327103 | △ Fuse 500mA 250V | U/T |
| EF305703 | △ Fuse 630mA 125V | CSA, AAL |
| EF601942 | △ Fuse (Semko T) 630MAT | CEE, UK, SAA |
| EF258344 | △ Fuse (Semko T) 800MAT | CEE, UK, SAA |
| EI323054 | IC TA7322P | |
| EI322599 | IC TA75458S | |
| EJ301513 | △ Inlet 2P | CEE, UK, SAA |
| EP323350 | Relay L-23M DC 12V | |
| ES310839 | △ Push SW. SDG1P-E 5A/80A 250V | Except CSA, AAL |
| ES665875 | △ Push SW. SDG1P-J TV-3 UL/CSA | CSA, AAL |
| ES319902 | Push Selector SUR510 | |
| ES323368 | Remote Push SW. SSR24351D | |
| ET327162 | FET 2SK117 (O) | |
| ET323529 | Transistor 2SA608K-NP (E) (F) | |
| ET311791 | Transistor 2SA968 (O) (Y) | |
| ET305463 | Transistor 2SA970 (GR) (BL) | |
| ET324134 | Transistor 2SA984K (E) (F) | |
| ET324134 | Transistor 2SA984K (E) (F) | |
| ET311790 | Transistor 2SC2238 (O) (Y) | |
| ET307195 | Transistor 2SC2240 (GR) (BL) | |
| ET309353 | Transistor 2SC2274 (E) (F) | |
| ET316171 | Transistor 2SC536K-NP (E) (F) | |
| ET323105 | Transistor 2SD600 (E) (F) | |
| EV327169 | Single-Axial 4-Throw/Vol. AP25G 250KYX2, 20KYX2 | |
| EV327196 | Slide/Vol. VJ4510PVN 250kΩ | |
| EW306428 | △ AC Cord (U/T) | |
| EW305691 | △ AC Cord CUL | CSA, AAL |
| EW302995 | △ AC Cord Set BEAB 2 Cores | |
| EW315767 | △ AC Cord Set CEE 2 Cores | |
| EW322401 | △ AC Cord Set SAA 2 Cores | |

2. GRAPHIC EQ P.C BOARD (EAG-8001A/8034A) BLOCK

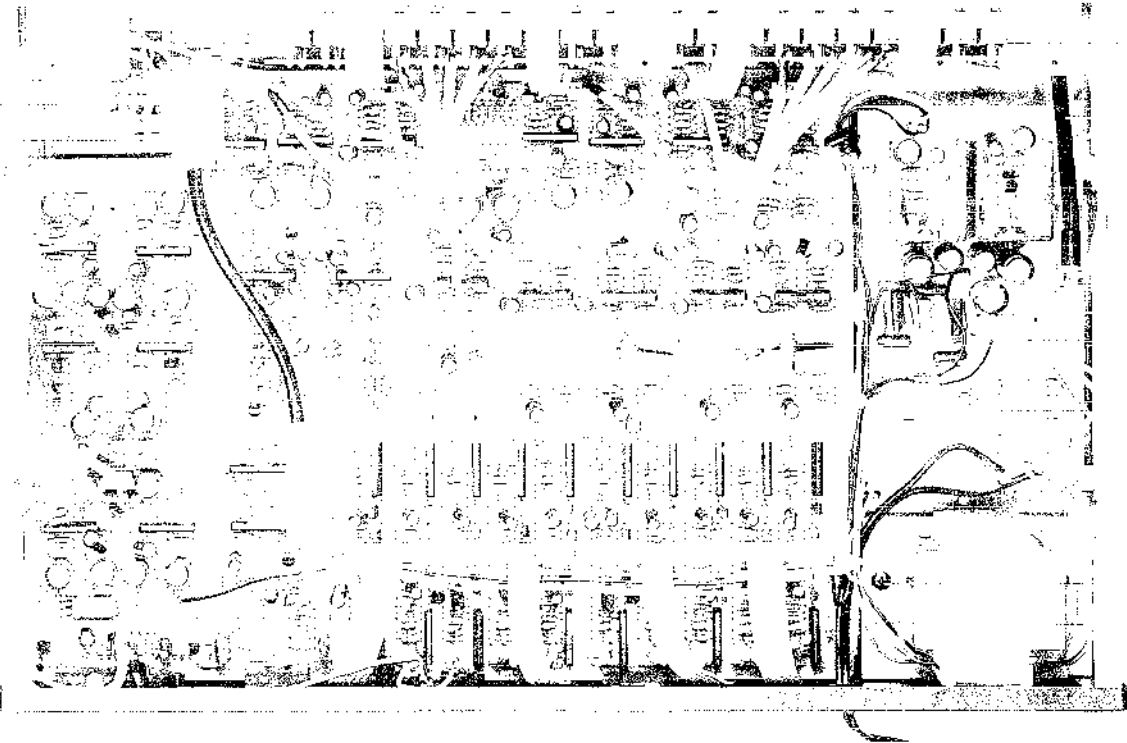
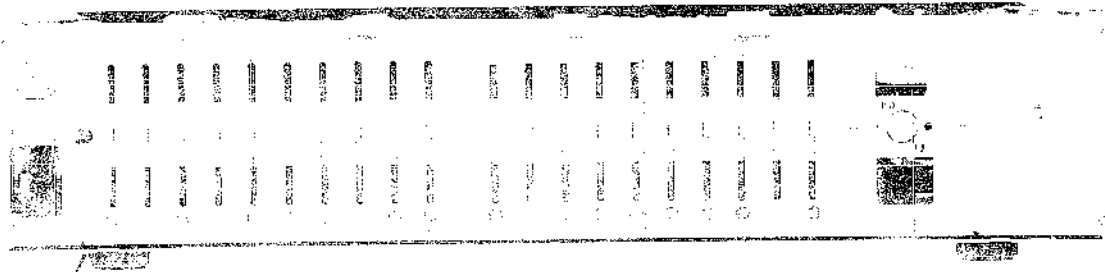
| Symbol No. | Parts No. | Description | Schematic No. | Symbol No. | Parts No. | Description | Schematic No. |
|--------------|-----------|--|---------------|-------------|-----------|--|---------------|
| 2-1 | BA327808 | Graphic EQ P.C Board
Comp. EA-G80
(Except AAL) | EAG-8001A | 2-C207,208 | EC327180 | Polypropylene/C.
0.357 μ F(J) 50WV | 24-22-10 |
| 2-IC101to103 | EI323054 | IC TA7322P | 45-8-419 | 2-C210 | EC327146 | NP/C. 4.7 μ F(M) 25WV | 24-17-35 |
| 2-IC201to204 | EI322599 | IC TA75458S | 45-8-415 | 2-C211,212 | EC327371 | Polypropylene/C.
0.18 μ F(J) 50WV | 24-22-10 |
| 2-IC205,206 | EI323054 | IC TA7322P | 45-8-419 | 2-C214 | EC327144 | NP/C. 2.2 μ F(M) 25WV | 24-17-35 |
| 2-IC501 | EI322599 | IC TA75458S | 45-8-415 | 2-C217,218 | EC327372 | Polypropylene/C.
0.09 μ F(J) 50WV | 24-22-10 |
| 2-IC601 | EI323054 | IC TA7322P | 45-8-419 | 2-C220 | EC325272 | NP/C. 1 μ F(M) 50WV | 24-17-35 |
| 2-IC701to710 | EI322599 | IC TA75458S | 45-8-415 | 2-C221,222 | EC327375 | Polypropylene/C.
0.045 μ F(J) 50WV | 24-22-10 |
| 2-TR101 | ET324134 | Transistor 2SA984K(E)(F) | 45-1-378 | 2-C224 | EC325272 | NP/C. 1 μ F(M) 50WV | 24-17-35 |
| 2-TR102 | ET309353 | Transistor 2SC2274(E)(F) | 45-1-335 | 2-C227,228 | EC327141 | Polypropylene/C.
0.0225 μ F(J) 50WV | 24-22-10 |
| 2-TR103 | ET324134 | Transistor 2SA984K(E)(F) | 45-1-378 | 2-C230 | EC325272 | NP/C. 1 μ F(M) 50WV | 24-17-35 |
| 2-TR301 | ET316171 | Transistor
2SC536K-NP(E)(F) | 45-1-362 | 2-C231,232 | EC327378 | Polypropylene/C.
0.0113 μ F(J) 50WV | 24-22-10 |
| 2-TR302 | ET323529 | Transistor
2SA608K-NP(E)(F) | 45-1-375 | 2-C234 | EC325272 | NP/C. 1 μ F(M) 50WV | 24-17-35 |
| 2-TR401to403 | ET316171 | Transistor
2SC536K-NP(E)(F) | 45-1-362 | 2-C237,238 | EC327199 | Styrol/C. 5630PF(J)
50WV | 24-11-18 |
| 2-TR404 | ET323105 | Transistor 2SD600(E)(F) | 45-1-383 | 2-C240 | EC325272 | NP/C. 1 μ F(M) 50WV | 24-17-35 |
| 2-TR501 | ET316171 | Transistor
2SC536K-NP(E)(F) | 45-1-362 | 2-C241,242 | EC327390 | Styrol/C. 2810PF(J)
50WV | 24-11-18 |
| 2-TR601 | ET327162 | FET 2SK117(O) | 45-12-15 | 2-C245 | EC325272 | NP/C. 1 μ F(M) 50WV | 24-17-35 |
| 2-TR602,603 | ET316171 | Transistor
2SC536K-NP(E)(F) | 45-1-362 | 2-C249,250 | EC327381 | Styrol/C. 1410PF(J)
50WV | 24-11-18 |
| 2-TR701to702 | ET316171 | Transistor
2SC536K-NP(E)(F) | 45-1-362 | 2-C253 | EC325272 | NP/C. 1 μ F(M) 50WV | 24-17-35 |
| 2-TR801 | ET311790 | Transistor 2SC2238(O)(Y) | 45-1-339 | 2-C401 | EC324115 | Solid Aluminum/C.
2.2 μ F(M) 25WV | 24-19-3 |
| 2-TR802 | ET311791 | Transistor 2SA968(O)(Y) | 45-1-338 | 2-C502to504 | EC321066 | Solid Aluminum/C.
0.15 μ F(K) 25WV | 24-19-3 |
| 2-D101,102 | ED557447 | Silicon Diode 1S1588 | 45-3-22 | 2-C609to611 | EC313825 | Solid Aluminum/C.
0.33 μ F(K) 25WV | 24-19-3 |
| 2-D401 | ED326835 | Zener Diode 05Z-8.2U | 45-6-76 | 2-C701 | EC327174 | Solid Aluminum/C.
1 μ F(K) 25WV | 24-19-3 |
| 2-D402 | ED557447 | Silicon Diode 1S1588 | 45-3-22 | 2-C702 | EC321066 | Solid Aluminum/C.
0.15 μ F(K) 25WV | 24-19-3 |
| 2-D601 | ED562386 | Germanium Diode
1S188AM | 45-3-24 | 2-C703 | EC313826 | Solid Aluminum/C.
0.1 μ F(K) 25WV | 24-19-3 |
| 2-D602 | ED557447 | Silicon Diode 1S1588 | 45-3-22 | 2-C711 | EC317415 | Solid Aluminum/C.
0.4 μ F(K) 25WV | 24-19-3 |
| 2-D701to710 | ED557447 | Silicon Diode 1S1588 | 45-3-22 | 2-C712 | EC313826 | Solid Aluminum/C.
0.1 μ F(K) 25WV | 24-19-3 |
| 2-SW1 | ES323368 | Remote Push SW.
SSR24351D | 25-14-502 | 2-C721 | EC321066 | Solid Aluminum/C.
0.15 μ F(K) 25WV | 24-19-3 |
| 2-VR601 | EV321601 | Semi-Fixed/Vol.
D10 Axial 10k Ω | 36-10-281 | 2-C722 | EC313826 | Solid Aluminum/C.
0.1 μ F(K) 25WV | 24-19-3 |
| 2-RL1 | EP323350 | Relay L-23M DC12V | 47-2-34 | 2-C723 | EC313826 | Solid Aluminum/C.
0.1 μ F(K) 25WV | 24-19-3 |
| 2-FR101,102 | ER327170 | Fuse/R. 1/4W 68 ohms(J) | 35-14-33 | 2-C731 | EC313826 | Solid Aluminum/C.
0.1 μ F(K) 25WV | 24-19-3 |
| 2-R109,110 | ER666178 | Carbon/R. F 1/4W
22 ohms(J) | 35-11-12 | | | | |
| 2-R113 | ER322787 | Carbon/R. F 1/4WS
10 ohms(J) | 35-11-30 | | | | |
| 2-R117 | ER327198 | Carbon/R. F 1/4WS
1.2K(J) | 35-11-30 | | | | |
| 2-R125,126 | ER666178 | Carbon/R. F 1/4W
22 ohms(J) | 35-11-12 | | | | |
| 2-R135,136 | ER666178 | Carbon/R. F 1/4W
22 ohms(J) | 35-11-12 | | | | |
| 2-R139 | ER327172 | Metal Oxide Film/R.
F 1W 1.8K(J) | 35-19-4 | | | | |
| 2-R285,286 | ER666178 | Carbon/R. F 1/4W
22 ohms(J) | 35-11-12 | | | | |
| 2-R303 | ER327197 | Carbon/R. F 1/4WS
390 ohms(J) | 35-11-30 | | | | |
| 2-R306 | ER327197 | Carbon/R. F 1/4WS
390 ohms(J) | 35-11-30 | | | | |
| 2-R806 | ER304809 | Carbon/R. F 1/4W
47 ohms(J) | 35-11-12 | | | | |
| 2-C101 | EC327171 | NP/C. (Vert.) 22 μ F(M)
25WV | 24-17-35 | | | | |
| 2-C104 | EC327171 | NP/C. (Vert.) 22 μ F(M)
25WV | 24-17-35 | | | | |
| 2-C120 | EC327171 | NP/C. (Vert.) 22 μ F(M)
25WV | 24-17-35 | | | | |
| 2-C121 | EC327176 | NP/C. 100 μ F(M) 16WV | 24-17-35 | | | | |
| 2-C201,202 | EC327246 | Metallized Mylar/C.
(Vert.) 0.71 μ F(J) 100WV | 24-16-31 | | | | |
| 2-C203 | EC327174 | Solid Aluminum/C.
1 μ F(K) 25WV | 24-19-3 | | | | |
| 2-C204 | EC327179 | NP/C. 10 μ F(M) 25WV | 24-17-35 | | | | |

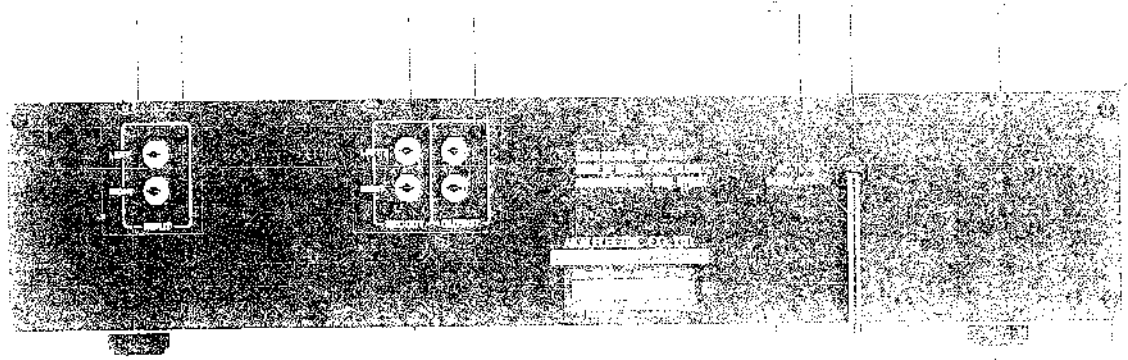
When ordering parts, please quote Parts Number, Description and Model Number.

3. POWER SUPPLY P.C BOARD (EAG-8004A/8028A/8029A) BLOCK

| Symbol No. | Parts No. | Description | Schematic No. |
|------------|-----------|---|---------------|
| 3-TR1 | ET311790 | Transistor 2SC2238(O)(Y) | 45-1-338 |
| 3-TR2 | ET311791 | Transistor 2SA968(O)(Y) | 45-1-338 |
| 3-TR3 | ET307195 | Transistor
2SC2240(GR)(BL) | 45-1-302 |
| 3-TR4 | ET305463 | Transistor
2SA970(GR)(BL) | 45-1-303 |
| 3-TR5 | ET307195 | Transistor
2SC2240(GR)(BL) | 45-1-302 |
| 3-TR6 | ET305463 | Transistor
2SA970(GR)(BL) | 45-1-303 |
| 3-D1 | ED324912 | Silicon Stack 1D4B41 | 45-2-100 |
| 3-D2,3 | ED324936 | Zener Diode 05Z-16U | 45-6-76 |
| 3-D4 | ED322238 | Silicon Stack 1B4B41 | 45-2-97 |
| 3-D5 | ED557447 | Silicon Diode 1S1588 | 45-3-22 |
| 3-C1to3 | EC321088 | Metallized Mylar/C.
0.047 μ F(K) 400WV | 24-16-23 |
| 3-C4to7 | EC204671 | Ceramic/C. DD31-6E
0.01 μ F(P) 500WV | 24-5-66 |
| 3-C18 | EC321088 | Metallized Mylar/C.
0.047 μ F(K) 400WV | 24-16-23 |
| 3-C19to22 | EC204671 | Ceramic/C. DD31-6E
0.01 μ F(P) 500WV | 24-5-66 |
| 3-C23 | EC326588 | Elect./C. (Vert.)
1000 μ F 10WV | 24-12-49 |

4. ASSEMBLY BLOCK (1)



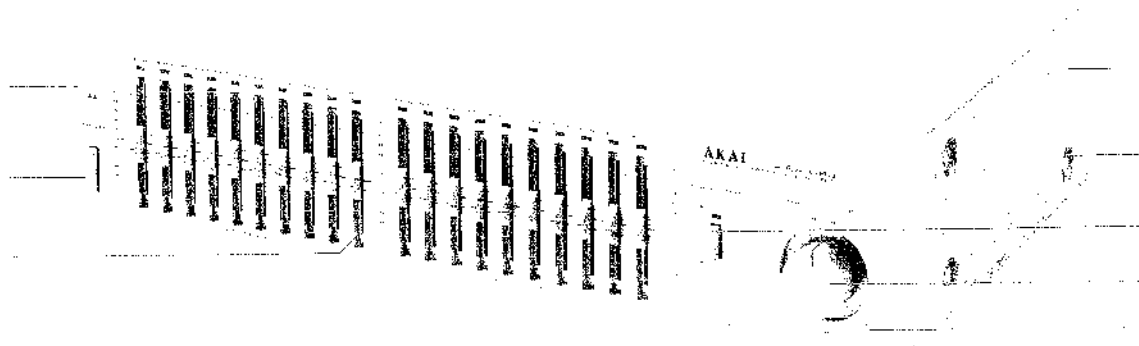


ASSEMBLY BLOCK (1)

| Ref. No. | Parts No. | Description | Quantity | Ref. No. | Parts No. | Description | Quantity |
|------------------------------------|-----------|---|-----------|----------|-----------|---|------------|
| LED P.C BOARD BLOCK | | | | | | | |
| 4-1 | ED322773 | LED SLP-255D-01 | 47 17 37 | 4-23 | ZS416637 | Screw, Blind 4x8 | |
| 4-2 | ED322772 | LED SLP 155D-01 | 47 17 37 | 4-24x | ZW413267 | Flange Nut M4 | |
| MASTER VOL. P.C BOARD BLOCK | | | | | | | |
| 4-3 | EV327169 | Single Axial 4-Throw/Vol.
AP25G 250KYX2, 20KYX2 | 36 7 14 | 4-25 | SP327213 | Rear Panel (A) (U/T) | EA6 826001 |
| ASSEMBLY BLOCK | | | | | | | |
| 4-4 | FS310839 | △ Push SW, SDG1P-E
5A/80A 250V
(Except: CSA, AAL) | 27 5 38 | 4-26x | SP327214 | Rear Panel (D) (USA) | EA6 826001 |
| 4-5x | FS665875 | △ Push SW, SDG1P-J TV-3
UL/CSA (USA, AAL) | 25 5 16 | 4-27x | SP327215 | Rear Panel (C) (AAL) | EA6 826002 |
| 4-6 | EC321302 | △ Ceramic/C. F. 0.01μF(Z)
250VAC (U/T) | 24 5 30 | 4-28x | SP327217 | Rear Panel (D) (CEE) | EA6 826002 |
| 4-7x | EC314688 | △ Ceramic/C. DE7150 FZ
0.01μF(P) 125WV (CSA, AAL) | 24 5 37 | 4-29x | SP327218 | Rear Panel (E) (UK, SAA) | EA6 826002 |
| 4-8x | EC327382 | △ MP/C. (Vert.) 0.0047μF(M)
250WV (CEE, UK, SAA) | 24 5 34 | 4-30 | ZS319460 | Tapping Screw, #2 BR 3x6
Oval Neck | 27 5 38 |
| 4-9 | ZS417216 | Screw, Pan 3x4 | | 4-31 | EJ308834 | 2P Pin Jack T-5511 | 31 5 11 |
| 4-10 | SZ327202 | Push Rod | EA6 8004 | 4-32 | EJ322581 | Pin Jack 4P (Red, White) | 31 5 38 |
| 4-11 | ZS325495 | Tapping Screw, #2 BR 3x6 | | 4-33 | ZS522865 | Tapping Screw, #2 BR 3x12
(Black) | |
| 4-12 | EV327196 | Slide/Vol. VJ4510PVN 250kΩ | 36 7 14 | 4-34 | EZ631945 | Strain Relief SR-4N-4
(U/T, CSA, AAL) | 27 5 38 |
| 4-13 | ZS200384 | Screw, Countersunk 3x6 | | 4-35 | EW306428 | △ AC Cord (U/T) | 26 1 61 |
| 4-14 | ES319902 | Push Selector S10R510 | 27 14 102 | 4-36x | EW305691 | △ AC Cord CUL (CSA, AAL) | 26 1 62 |
| 4-15 | EW327232 | Remote Wire | 25 14 503 | 4-37x | EJ501513 | △ Inlet 2P (CEE, UK, SAA) | 21 1 209 |
| 4-16 | ZS462194 | Tapping Screw, #2 Pan 3x8 W=8 | | 4-38x | EW315767 | △ AC Cord Set CEE 2 Cores
(CEE) | 26 1 72 |
| 4-17 | ZW324147 | Washer (Nylon) D3.1x1.3x1t | | 4-39x | EW302995 | △ AC Cord Set BEAR 2 Cores
(UK) | 25 5 37 |
| 4-18 | ZS447340 | Tapping Screw, #2 BR 3x8 | | 4-40x | EW322401 | △ AC Cord Set SAA 2 Cores
(SAA) | 25 5 37 |
| 4-19 | BT327192 | △ Power Trans. EA-G80T-70
(U/T) | 36 1 831 | 4-41 | SP327220 | Bottom Plate | EA6 8002 |
| 4-20x | BT327193 | △ Power Trans. EA-G80T-30
(USA, AAL) | 36 1 802 | 4-42 | SA311742 | Circular Foot | 27 5 32 |
| 4-21x | BT327194 | △ Power Trans. EA-G80T-40
(CEE) | 36 1 851 | 4-43x | ZS565942 | Tapping Screw, #2 Pan 4x8 | |
| 4-22x | BT327195 | △ Power Trans. EA-G80T-50
(UK, SAA) | 36 1 204 | 4-44 | ZS447761 | Tapping Screw, #2 BR 3x6
(Black) | |
| | | | | 4-45 | EF309387 | △ Fuse 1A 250V (U/T) | 39 1 61 |
| | | | | 4-46x | EF327103 | △ Fuse 500mA 250V (U/T) | 39 1 61 |
| | | | | 4-47x | EF309392 | △ Fuse 1.25A 125V (CSA, AAL) | 39 1 62 |
| | | | | 4-48x | EF305703 | △ Fuse 630mA 125V (CSA, AAL) | 39 1 67 |
| | | | | 4-49x | EF258344 | △ Fuse (Semko T) 800MAT
(CEE, UK, SAA) | 39 1 65 |
| | | | | 4-50x | EF601942 | △ Fuse (Semko T) 630MAT
(CEE, UK, SAA) | 39 1 61 |

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

5. ASSEMBLY BLOCK (2)



ASSEMBLY BLOCK (2)

| Ref. No. | Part No. | Description | Reference No. |
|--------------------------|----------|---------------------------------|---------------|
| FRONT PANEL BLOCK | | | |
| 5-1 | BD327822 | Front Panel Block EA-G80 | |
| 5-2x | BD327823 | Front Panel Block EA-G80-BL | |
| 5-3x | SE322578 | Escutcheon (A) | ATK 2612 |
| 5-4x | ZG322579 | Spring (A) | ATK 2614 |
| 5-5 | SB322576 | Button (A) | ATK 2617 |
| 5-6x | SB322577 | Button (A-BL) | ATK 2618 |
| 5-7x | SE327206 | Escutcheon (B) | EAG 4017 |
| 5-8x | ZG322566 | Spring | AMU 2579 |
| 5-9 | SB322557 | Button | AMU 2594 |
| 5-10x | SB322558 | Button (BL) | AMU 2593 |
| 5-11 | SZ327209 | Scale Plate | EAG 4019,5001 |
| 5-12x | SZ327210 | Scale Plate (BL) | EAG 4019,5002 |
| 5-13x | ZS669104 | Tapping Screw, #2 Pan 2.3x6 | |
| 5-14x | SE327203 | Escutcheon (A) | EAG 4015 |
| 5-15x | SE327204 | Escutcheon (A-BL) | EAG 4016 |
| 5-16x | ZW550642 | Washer (SPC) D3.1x8x0.5t | |
| 5-17x | ZW273756 | Nut, #1 M3 | |
| ASSEMBLY BLOCK | | | |
| 5-18x | ZW324157 | Washer (SPC) D6.2x13x0.25t | |
| 5-19x | ZW324158 | Washer (SPC) D6.2x13x0.5t | |
| 5-20x | ZS447840 | Tapping Screw, #2 BR 3x8 | |
| 5-21 | SP327221 | Upper Plate (A) | EAG 4020 |
| 5-22x | SP327223 | Upper Plate (B) (AAL) | EAG 4022 |
| 5-23x | SP327222 | Upper Plate (A-BL) | EAG 4023 |
| 5-24 | ZS322570 | S-Tight Screw, Bind 4x8 | |
| 5-25x | ZS322580 | S-Tight Screw, Bind 4x8 (Black) | |
| 5-26 | SK327132 | Knob (A) | EAG 4011 |
| 5-27x | SK327133 | Knob (A-BL) | EAG 4012 |
| 5-28 | SK327134 | Knob (B) | EAG 4013 |
| 5-29x | SK327135 | Knob (B-BL) | EAG 4014 |
| 5-30x | ZW305013 | Pop Rivet D3.2 (AAL) | 7-6-5 |

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

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| Parts No. | Ref. No. & Symbol No. | Parts No. | Ref. No. & Symbol No. | Parts No. | Ref. No. & Symbol No. | Parts No. | Ref. No. & Symbol No. |
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| BA327737 | 2-1 | ET324134 | 2-TR103 | | | | |
| BA327738 | 2-2 | EV327163 | 3-18 | | | | |
| BA327739 | 2-3 | EV327169 | 3-3 | | | | |
| BC322209 | 4-15 | EW302995 | 3-16x | | | | |
| BC322210 | 4-17x | EW305691 | 3-10x | | | | |
| BC322212 | 4-16x | EW306428 | 3-9 | | | | |
| BD327749 | 4-1 | EW315767 | 3-15x | | | | |
| BD327750 | 4-2x | EW322401 | 3-17x | | | | |
| BT327164 | 3-32 | EW327156 | 3-40 | | | | |
| BT327165 | 3-33x | EZ631945 | 3-11 | | | | |
| BT327166 | 3-34x | SA311742 | 3-22 | | | | |
| BT327167 | 3-35x | SB322557 | 4-9 | | | | |
| EC321088 | 2-C501to503 | SB322558 | 4-10x | | | | |
| EC325266 | 3-30 | SB322576 | 4-4 | | | | |
| EC325272 | 2-C234 | SB322577 | 4-5x | | | | |
| EC325272 | 2-C244 | SE322578 | 4-3x | | | | |
| EC325272 | 2-C254 | SE327129 | 4-8x | | | | |
| EC325272 | 2-C265 | SE327130 | 4-7x | | | | |
| EC325272 | 2-C275 | SK327132 | 4-20 | | | | |
| EC327139 | 2-C261,262 | SK327133 | 4-21x | | | | |
| EC327141 | 2-C241,242 | SK327134 | 4-22 | | | | |
| EC327143 | 2-C231,232 | SK327135 | 4-23x | | | | |
| EC327144 | 2-C224 | SP327114 | 3-4 | | | | |
| EC327145 | 2-C221,222 | SP327116 | 3-5x | | | | |
| EC327146 | 2-C214 | SP327117 | 3-6x | | | | |
| EC327171 | 2-C101 | SP327118 | 3-7x | | | | |
| EC327171 | 2-C104 | SP327119 | 3-8x | | | | |
| EC327171 | 2-C120 | SZ324432 | 3-39 | | | | |
| EC327176 | 2-C121 | SZ327127 | 3-37 | | | | |
| EC327179 | 2-C204 | SZ327128 | 3-38x | | | | |
| EC327180 | 2-C211,212 | ZG322566 | 4-11x | | | | |
| EC327231 | 2-C201,202 | ZG322579 | 4-6x | | | | |
| EC327380 | 2-C251,252 | ZS306021 | 3-24x | | | | |
| EC327381 | 2-C271,272 | ZS315511 | 3-36 | | | | |
| EC327382 | 3-29 | ZS319460 | 3-13 | | | | |
| EC327382 | 3-31x | ZS319460 | 3-45 | | | | |
| ED322772 | 3-2 | ZS322570 | 4-18 | | | | |
| ED322773 | 3-1 | ZS322580 | 4-19x | | | | |
| ED324912 | 2-D501 | ZS325495 | 2-4 | | | | |
| ED324936 | 2-D502,503 | ZS325495 | 3-14x | | | | |
| ED326835 | 2-D402 | ZS417216 | 3-21 | | | | |
| ED557447 | 2-D101,102 | ZS447840 | 4-12x | | | | |
| ED557447 | 2-D401 | ZS462194 | 3-25 | | | | |
| ED557447 | 2-D504 | ZS477887 | 3-19x | | | | |
| EF300586 | 3-44x | ZS522865 | 3-26x | | | | |
| EF306125 | 3-41 | ZS565942 | 3-23x | | | | |
| EF309390 | 3-43x | ZW324157 | 4-13x | | | | |
| EF322975 | 3-42x | ZW324158 | 4-14x | | | | |
| EI322599 | 2-IC201to203 | | | | | | |
| EI323054 | 2-IC101to103 | | | | | | |
| EI323054 | 2-IC204,205 | | | | | | |
| EJ293365 | 2-J14 | | | | | | |
| EJ301513 | 3-12x | | | | | | |
| EJ312464 | 2-J1 | | | | | | |
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| ER324934 | 2-R273,274 | | | | | | |
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| ER327198 | 2-R117 | | | | | | |
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| ES319902 | 3-20 | | | | | | |
| ES323368 | 2-SW1 | | | | | | |
| ES665875 | 3-28x | | | | | | |
| ET305463 | 2-TR504 | | | | | | |
| ET305463 | 2-TR506 | | | | | | |
| ET307195 | 2-TR503 | | | | | | |
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| ET309353 | 2-TR102 | | | | | | |
| ET311790 | 2-TR501 | | | | | | |
| ET311791 | 2-TR502 | | | | | | |
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2. MODEL EA-G80

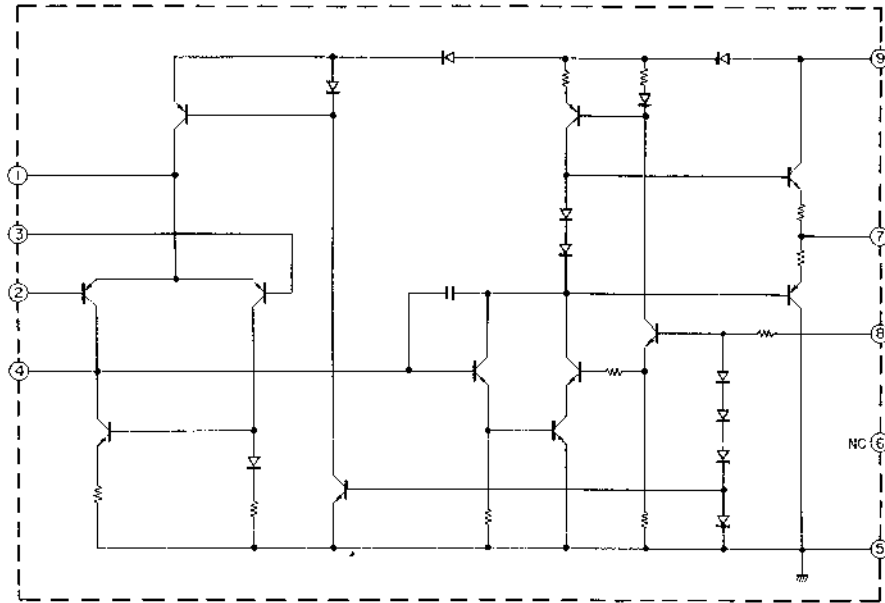
| Parts No. | Ref. No. & Symbol No. | Parts No. | Ref. No. & Symbol No. | Parts No. | Ref. No. & Symbol No. | Parts No. | Ref. No. & Symbol No. |
|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|
| BA327808 | 2-1 | ER322787 | 2-R113 | ZS462194 | 4-16 | | |
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| BT327192 | 4-19 | ER327197 | 2-R303 | ZS669104 | 5-13x | | |
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| BT327195 | 4-22x | ER666178 | 2-R109,110 | ZW324147 | 4-17 | | |
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| EC321088 | 3-C18 | ET311790 | 3-TR1 | | | | |
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| EC325272 | 2-C234 | ET316171 | 2-TR602,603 | | | | |
| EC325272 | 2-C240 | ET316171 | 2-TR701to720 | | | | |
| EC325272 | 2-C245 | ET323105 | 2-TR404 | | | | |
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| ED324936 | 3-D2,3 | SK327135 | 5-29x | | | | |
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| ER304809 | 2-R806 | ZS447840 | 5-20x | | | | |

SECTION 3

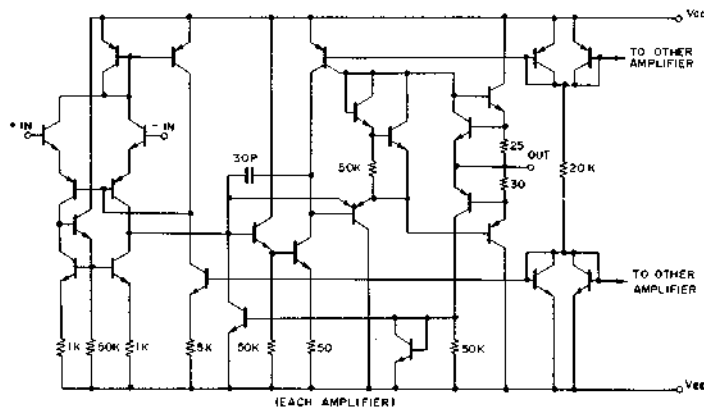
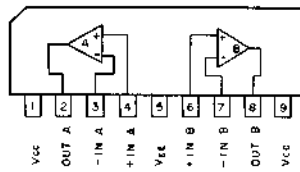
SCHEMATIC DIAGRAM

1. SCHEMATIC DIAGRAM OF ICs
2. EA-G40 NO. 1601018A SCHEMATIC DIAGRAM
3. EA-G80 NO. 1601019A SCHEMATIC DIAGRAM

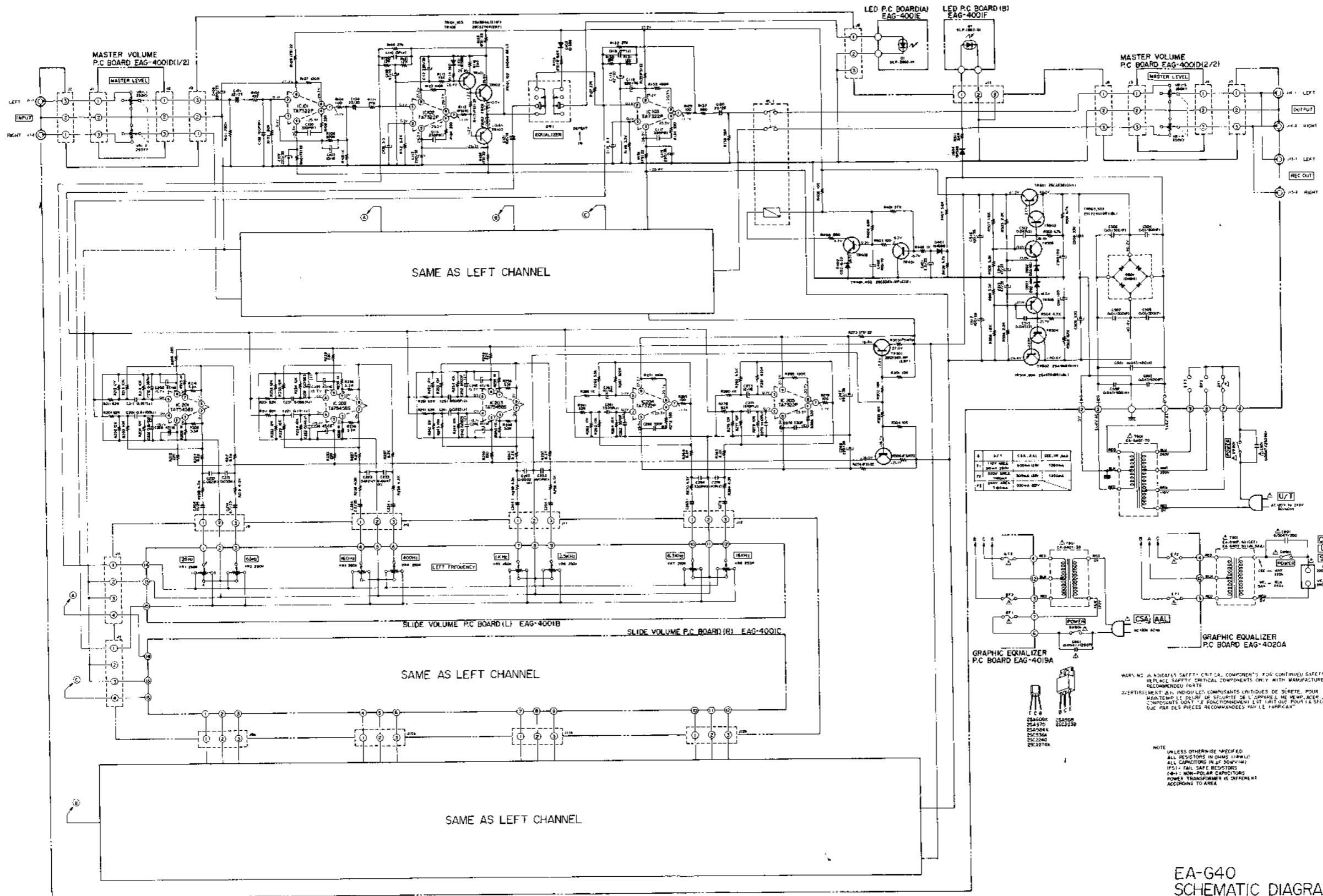
TA7322P



TA75458S



EA-G40



| | | | |
|---|-------|----------|------------|
| 1 | 1/2 W | CSA, AAL | RES. 1/4 W |
| 2 | 1/2 W | CSA, AAL | RES. 1/4 W |
| 3 | 1/2 W | CSA, AAL | RES. 1/4 W |
| 4 | 1/2 W | CSA, AAL | RES. 1/4 W |
| 5 | 1/2 W | CSA, AAL | RES. 1/4 W |
| 6 | 1/2 W | CSA, AAL | RES. 1/4 W |
| 7 | 1/2 W | CSA, AAL | RES. 1/4 W |
| 8 | 1/2 W | CSA, AAL | RES. 1/4 W |

REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS
 REMPLACER LES COMPOSANTS CRITIQUES DE SÉCURITÉ SEULEMENT PAR LES PIÈCES RECOMMANDÉES PAR LE FABRICANT

NOTE
 UNLESS OTHERWISE SPECIFIED:
 ALL RESISTORS IN OHMS (1/4W)
 ALL CAPACITORS IN UF (50V/1M)
 (P.S.) - FOLK SARE RESISTORS
 (E.S.) - NON-POLAR CAPACITORS
 POWER TRANSFORMER IS DIFFERENT ACCORDING TO AREA

EA-G40
 SCHEMATIC DIAGRAM
 NO. 1601018A

EA-G80

LED P.C BOARD
EAG-8001B

MASTER VOLUME P.C BOARD 1/2
EAG-8003

MASTER VOLUME P.C BOARD 2/2
EAG-8003

SAME AS LEFT CHANNEL

SAME AS LEFT CHANNEL

SLIDE VOLUME P.C BOARD EAG-8002

SAME AS LEFT CHANNEL

SAME AS LEFT CHANNEL

LED P.C BOARD (C)
EAG-8027

SAME AS LEFT CHANNEL

GRAPHIC EQUALIZER P.C BOARD EAG-8001A

POWER SUPPLY P.C BOARD (A) EAG-8004A

LED P.C BOARD (B)
EAG-8004B

POWER SUPPLY P.C BOARD (B)
EAG-8028A

POWER SUPPLY P.C BOARD (C)
EAG-8029A

POWER SUPPLY P.C BOARD (B)
EAG-8028A

POWER SUPPLY P.C BOARD (B)
EAG-8028A

POWER SUPPLY P.C BOARD (B)
EAG-8028A

POWER SUPPLY P.C BOARD (B)
EAG-8028A

POWER SUPPLY P.C BOARD (B)
EAG-8028A

POWER SUPPLY P.C BOARD (B)
EAG-8028A

POWER SUPPLY P.C BOARD (B)
EAG-8028A

POWER SUPPLY P.C BOARD (B)
EAG-8028A

POWER SUPPLY P.C BOARD (B)
EAG-8028A

POWER SUPPLY P.C BOARD (B)
EAG-8028A

POWER SUPPLY P.C BOARD (B)
EAG-8028A

POWER SUPPLY P.C BOARD (B)
EAG-8028A

POWER SUPPLY P.C BOARD (B)
EAG-8028A

POWER SUPPLY P.C BOARD (B)
EAG-8028A

WARNING: INDICATES SAFETY CRITICAL COMPONENTS FOR CONTROLLED SAFETY.
REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S
RECOMMENDED PARTS.
AVERTISSEMENT: A.I. INDICATE LES COMPOSANTS CRITIQUES DE SÛRETÉ POUR
MAINTENIR LE DEGRÉ DE SÛRETÉ DE L'APPAREIL. NE REMPLACER LES
COMPOSANTS SONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SÛRETÉ
QUE PAR DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/4W 1%
1%: 1% TOL. 50W RESISTORS
POWER TRANSFORMER IS PHILIPPIAN
ACCORDING TO AREA

EA-G80
SCHEMATIC DIAGRAM
No. 1601019A

00109
00109