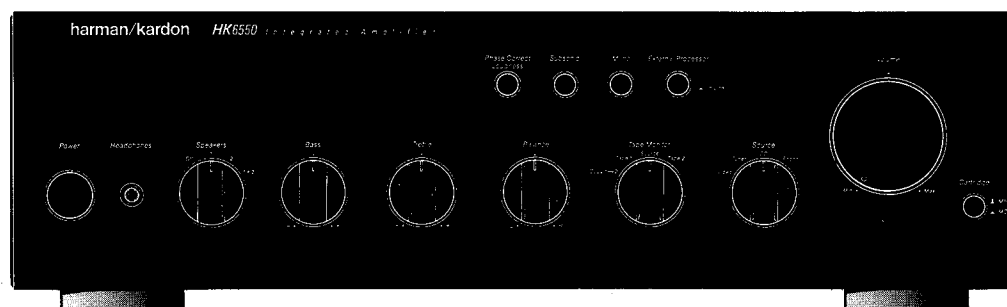


The Harman Kardon Model HK6550 INTEGRATED AMPLIFIER

Manual 185A

Technical Manual



The following marks found in the parts list of this manual identify the models as follows.

- G** : German model
- GB** : German model Black version
- IB** : International model Black version

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harman/kardon

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1112-0230A152 P-089203 500 Printed in Japan

HK6550

SPECIFICATIONS

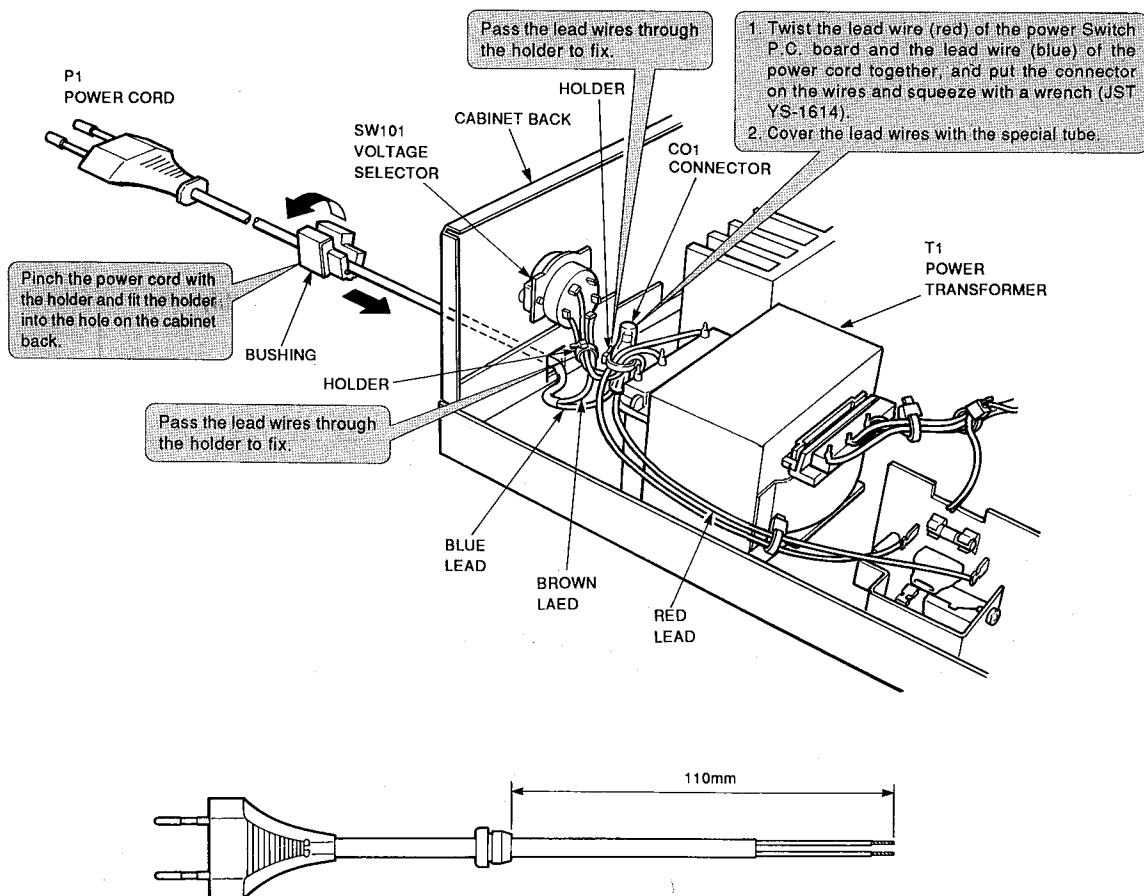
| | Nominal | Limit | | Nominal | Limit |
|---|--------------|---------------------------------|--|-----------------------------|----------------------|
| RMS Output Power | | | Filters | | |
| 8Ω, 1kHz THD 0.1% | 56.5W | ≥50W | Subsonic at 15Hz | -3dB | ±1.5dB |
| 4Ω, 1kHz THD 0.3% | 83W | ≥70W | Phase Correct Loudness at 50Hz | 6dB | ±3dB |
| High-instantaneous Current Capability (HCC) | 37A | ≥32A | DC Output Voltage | | |
| Half Power Bandwidth | <10Hz~100kHz | <10Hz~70kHz | L channel | 0mV | ±60mV |
| Frequency Response at -3dB | 0.4Hz~190kHz | <1Hz~≥150kHz G GB | R channel | 0mV | ±60mV |
| | 0.4Hz~200kHz | <1Hz~≥150kHz IB | RIAA Equalization at Tape Out (20Hz/20kHz) | 0.03dB | ±0.5dB/-0.15dB±0.5dB |
| Input Sensitivity | | | Phono Overload THD 0.1% | | |
| Tuner, CD, Video | 135mV | ±25mV | Phono (MM) | 115mV | ≥100mV |
| Phono (MM) | 2.2mV | ±0.3mV | Phono (MC) | 6.1mV | ≥5mV |
| Phono (MC) | 120μV | ±20μV | Dimensions (W x H x D) | 17-1/2" x 5-1/4" x 14-3/16" | |
| Signal to Noise Ratio | | | | (443 x 134 x 359mm) | |
| Tuner, CD, Video | 81dB | ≥74dB | Weight | 20.3 lbs. (9.2 kg) | |
| Phono (MM) | 80dB | ≥73dB | Power Supply | AC 230/240V, 50/60Hz | |
| Phono (MC) | 76dB | ≥70dB | Power Consumption | 220W | |
| Channel Separation at 10kHz | | | | | |
| CD | 49dB | ≥45dB | | | |
| Phono (MM) | 52dB | ≥45dB | | | |
| Phono (MC) | 50dB | ≥43dB | | | |
| IM Distortion Ratio | 0.06% | ≤0.1% | | | |
| Damping Factor at 1kHz | 69 | ≥50 | | | |
| Tone Control Characteristics | | | | | |
| Bass at 50Hz | | | | | |
| Boost | 10dB | ±2dB | | | |
| Cut | 10dB | ±2dB | | | |
| Treble at 10kHz | | | | | |
| Boost | 10dB | ±2dB | | | |
| Cut | 10dB | ±2dB | | | |

• These specifications are service target specs.

• Specifications and components subject to change without notice. Overall performance will be maintained or improved.

POWER CORD REPLACEMENT

In order to prevent fire or shock hazard when replacing the power cord, follow the procedure below to replace the parts with the standard supply parts.



ALIGNMENT PROCEDURES (REFER TO PAGES 8, 9, 10, 11 AND 19)

- Conditions:**
- Set the Source selector to the "CD" position.
 - Set the Volume control to minimum.
 - Set the Speaker selector to the "off" position.
 - Make the adjustment at a room temperature of 77°F (25°C).

■ DC BALANCE ADJUSTMENT

| Step | Connection Equipments | Adjustment | For |
|------|--|------------|--------|
| 1 | Connect the Digital Volt Meter to TP1 and TP2. | VR401 | 0±10mV |
| 2 | Connect the Digital Volt Meter to TP3 and TP2. | VR402 | 0±10mV |

■ IDLING CURRENT ADJUSTMENT

| Step | Connection Equipments | Adjustment | For |
|------|--|------------|------|
| 1 | Connect the Digital Volt Meter to TP4 and TP5. | VR403 | 40mV |
| 2 | Connect the Digital Volt Meter to TP6 and TP7. | VR404 | 40mV |

■ DC BALANCE CONFIRMATION

| Step | Connection Equipments | For |
|------|--|--------|
| 1 | Connect the Digital Volt Meter to TP1 and TP2. | 0±60mV |
| 2 | Connect the Digital Volt Meter to TP3 and TP2. | 0±60mV |

- After the above adjustment, leave the unit with its power on for longer than 15 minutes and then repeat the same adjustment.

DISASSEMBLY PROCEDURES (REFER TO PAGE 7 AND 20)**[1] CABINET TOP (131) REMOVAL**

Remove 6 screws (A) and then remove the Cabinet Top (131).

[2] FRONT PANEL ASS'Y (AA) REMOVAL

1. Remove the Cabinet Top (131), referring to the previous step [1].
2. Remove 5 screws (B) and then remove the Front Panel Ass'y (AA).

[3] MAIN P. C. BOARD (PCB-1) REMOVAL

Remove 8 screws (C) and then remove the Main P.C. Board (PCB-1) with the Heat Sink (177). At this time unsolder the lead wires connected to the Main P.C.Board (PCB-1).

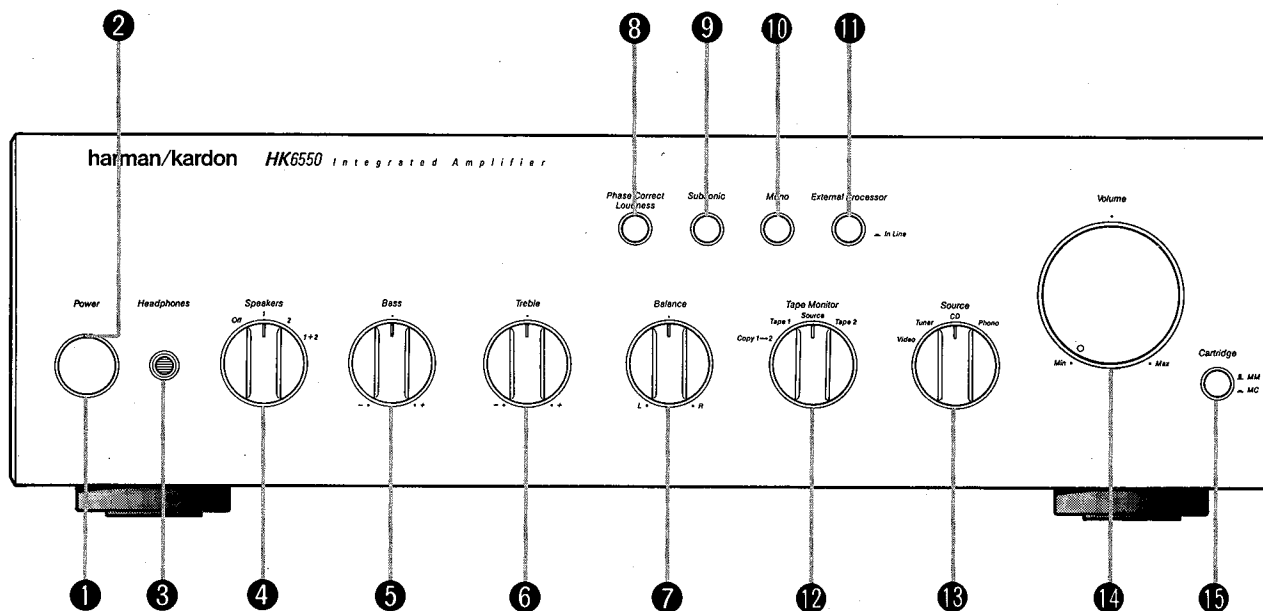
[4] POWER SWITCH P.C. BOARD (PCB-8) REMOVAL

1. Remove the Front Panel Ass'y (AA), referring to the previous step [2].
2. Pull out the Push Button (146) and Lever (213).
3. Remove 1 screw (D), then remove the Power Switch P.C. Board (PCB-8) with Metal Fitting (172). If necessary unsolder the lead wires.

[5] TONE CONTROL P.C. BOARD (PCB-9) REMOVAL

1. Remove the Front Panel Ass'y (AA), referring to the previous step [2].
2. Pull out the 3 Rotary knobs (152) and then remove 3 hexagon nuts (E), then remove the Tone Control P.C.Board (PCB-9). If necessary unsolder the lead wires.

CONTROLS AND FUNCTIONS



❶ POWER SWITCH (*POWER*)

Press this switch to turn the unit "On". Pressing it again will turn the unit off.

❷ POWER INDICATOR (*POWER*)

This indicator is illuminated in green when the power switch is "On" and is not illuminated when the power switch is "Off".

❸ HEADPHONES JACK (*HEADPHONES*)

Stereo headphones with a standard 1/4 inch plug can be connected to this jack. When the *SPEAKERS* selector is in the *Off* position, sound can still be obtained via the headphone jack.

❹ SPEAKER SELECTOR (*SPEAKERS*)

This selector is used to select the desired speaker system(s).
Off : Select this position to listen to sound via the headphone with no sound from the speaker system(s).

- 1 : Select this position to actuate the speaker system connected to the *SPEAKER SYSTEM 1* terminal.
- 2 : Select this position to actuate the speaker system connected to the *SPEAKER SYSTEM 2* terminal.
- 1 + 2 : Select this position to actuate simultaneously the two speaker systems connected to the *SPEAKER SYSTEM 1* and *2* terminals respectively.

❺ BASS CONTROL KNOB (*BASS*)

This knob controls the low frequency sound level. Turn it clockwise to boost or counterclockwise to reduce the low frequency sound level.

❻ TREBLE CONTROL KNOB (*TREBLE*)

This knob controls the high frequency sound level. Turn it clockwise to boost or counterclockwise to reduce the high frequency sound level.

❼ BALANCE CONTROL KNOB (*BALANCE*)

This knob is used to balance the left and the right channels. Usually, it is set at the center. Turn it to the left or right to balance the sound if it seems unbalanced from the speakers or the headphones.

❽ PHASE CORRECT LOUDNESS SWITCH (*Phase Correct Loudness*)

This switch activates a unique low frequency equalization circuit that provides full, natural sound from small speakers that are normally deficient in the bass region. It can also be used in place of conventional loudness compensation.

❾ SUBSONIC FILTER SWITCH (*Subsonic*)

When playing the turntable, this filter switch is used to reduce subsonic frequencies, which may excessively vibrate the speaker cones or turntable and cause feedback.

10 MONO SWITCH (Mono)

This switch is used to combine the left and right channels and create a mono signal.

11 EXTERNAL PROCESSOR (External Processor)

This switch activates a special "loop" which routes sound out of the amplifier, into a signal processor and back into the amplifier.

It can be used for equalizers, surround sound processors, dynamic noise reducers, or for special outboard processors required for certain speaker designs.

12 TAPE MONITOR SELECTOR (TAPE MONITOR)

This selector is used when playing a tape deck, or monitoring during recording.

Copy 1 → 2 : Select this position to duplicate the cassette tape in the deck connected to the TAPE 1 jacks onto the tape in the deck connected to the TAPE 2 jacks.

Tape 1 : Select this position to play a cassette tape, or to monitor during recording on the tape deck connected to the TAPE 1 jacks.

Source : Select this position to listen to a program source other than a cassette tape.

Tape 2 : Select this position to play a cassette tape, or to monitor during recording on the tape deck connected to the TAPE 2 jacks.

13 SOURCE SELECTOR (SOURCE)

This selector is used to select a program source other than a tape.

Video : Select this position to playback the audio signals from an audio/video component such as a camcorder, video player, or TV tuner connected to the VIDEO jack.

Tuner : Select this position to listen to an FM or AM broadcast from the stereo tuner connected to the TUNER jacks.

CD : Select this position to listen to the sound from a compact disc player connected to the CD jacks.

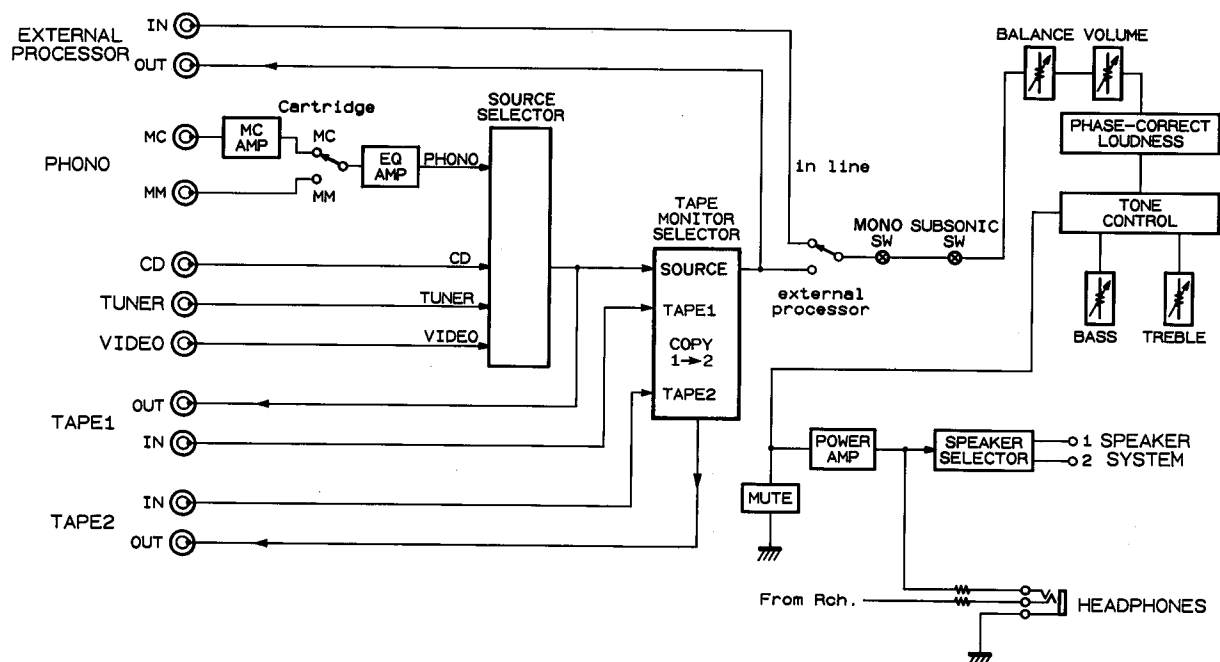
Phono : Select this position to listen to a disc played on the turntable connected to the PHONO MM or MC jacks.

14 VOLUME CONTROL KNOB (VOLUME)

This knob controls the sound level. Turning clockwise increases the sound volume, and turning counterclockwise decreases it. Set this knob at a minimum level before turning the power on or changing the sound source to protect the speakers from being damaged by a sudden high level sound.

15 CARTRIDGE SELECTOR (Cartridge)

This switch selects the gain and input impedance of the phono input circuitry to match the type of phono cartridge used. Be sure to connect the turntable to the appropriate PHONO input jacks (MM for moving magnet type cartridges and MC for moving coil type cartridges), and to select that input with this selector switch.

BLOCK DIAGRAM

GENERAL UNIT PARTS LIST

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|---------------|--|----------|---------------|-----------------------------|
| AA | A443-HK6550A | FRONT PANEL ASS'Y (G) | 229 | 2347-R0130062 | SCREW, BND T+ (3x6 mm)(X26) |
| AA | A443-HK6550B | FRONT PANEL ASS'Y (GB IB) | 230 | 2347-R0130062 | SCREW, BND T+ (3x6 mm)(X11) |
| AB | A424-HK6550D | CABINET BACK ASS'Y | 232 | 2347-R0130084 | SCREW, BND T+ (3x8 mm)(X15) |
| 023 | 2132-7116 | SPACER, VOLTAGE SELECTOR (X2) | 233 | 2347-R0130102 | SCREW, BND T+ (3x10 mm) |
| 024 | 2327-R0130124 | SCREW, BND+ (3x12 mm)(X2) | 234 | 2347-R0140064 | SCREW, BND T+ (4x6 mm)(X4) |
| 025 | 2440-7017 | NUT, SPE, VOLTAGE SELECTOR | 235 | 2347-400827 | SCREW, BND T+ (4x8 mm)(X4) |
| 027 | 1756-21904 | LABEL, DBP NO. (G GB) | 238 | 2323-300829 | SCREW, CSK+ (3x8 mm) |
| 113 | 1117-78 | SERIAL LABEL | 239 | 2327-R0130082 | SCREW, BND+ (3x8 mm)(X2) |
| 131 | 1414-11601 | CABINET TOP | 240 | 2347-R0130082 | SCREW, BND T+ (3x8 mm)(X10) |
| 133 | 1424-25001 | CABINET BACK, BOTTOM | 243 | 2557-300829 | SCREW, B SPW+ (3x8 mm)(X3) |
| 134 | 1424-29204 | CABINET BACK | 244 | 2557-301429 | SCREW, B SPW+ (3x14 mm)(X8) |
| 135 | 1424-26101 | CABINET BOTTOM COVER | 247 | 2401-0373 | WASHER, METAL (X4) |
| 136 | 1443-14301 | FRONT PANEL (G) | 730 | 2440-62 | NUT, SPE |
| 136 | 1443-14302 | FRONT PANEL (GB IB) | 740 | 4214-168 | TERMINAL, GND |
| 141 | 1562-08601 | FRAME, L-SIDE (G) | 746 | 4442-14 | PIN PLUG, MC SHORT (X2) |
| 141 | 1562-08602 | FRAME, L-SIDE (GB IB) | | | |
| 142 | 1562-08701 | FRAME, R-SIDE (G) | | | |
| 142 | 1562-08702 | FRAME, R-SIDE (GB IB) | | | |
| 146 | 1662-66901 | PUSH BUTTON, POWER (G) | | | |
| 146 | 1662-66902 | PUSH BUTTON, POWER (GB IB) | | | |
| 147 | 1662-67001 | PUSH BUTTON, PHASE CORRECT LOUDNESS, SUBSONIC, MONO, EXTERNAL PROCESSOR, CARTRIDGE (G) | | | |
| 147 | 1662-67002 | PUSH BUTTON, PHASE CORRECT LOUDNESS, SUBSONIC, MONO, EXTERNAL PROCESSOR, CARTRIDGE (GB IB) | | | |
| 150 | 1630-04701 | ROTARY KNOB, VOLUME (G) | | | |
| 150 | 1630-04702 | ROTARY KNOB, VOLUME (GB IB) | | | |
| 152 | 1632-21501 | ROTARY KNOB, SPEAKERS, BASS, TREBLE, BALANCE, TAPE MONITOR, SOURCE (G) | | | |
| 152 | 1632-21502 | ROTARY KNOB, SPEAKERS, BASS, TREBLE, BALANCE, TAPE MONITOR, SOURCE (GB IB) | | | |
| 154 | 1732-08801 | INDICATOR, PANEL | | | |
| 155 | 1742-08301 | ORNAMENT, POWER (G) | | | |
| 155 | 1742-08302 | ORNAMENT, POWER (GB IB) | | | |
| 156 | 1742-08401 | ORNAMENT, PHASE CORRECT LOUDNESS, SUBSONIC, MONO, EXTERNAL PROCESSOR, CARTRIDGE (G) | | | |
| 156 | 1742-08402 | ORNAMENT, PHASE CORRECT LOUDNESS, SUBSONIC, MONO, EXTERNAL PROCESSOR, CARTRIDGE (GB IB) | | | |
| 157 | 1319-02201 | LEG, BOTTOM REAR (X2) | | | |
| 158 | 1319-03301 | LEG, BOTTOM FRONT (X2) | | | |
| 161 | 2211-7310 | CHASSIS, FRONT | | | |
| 165 | 2219-8210 | METAL FITTG, L | | | |
| 166 | 2219-8211 | METAL FITTG, R | | | |
| 167 | 2219-8212 | METAL FITTG, BOTTOM | | | |
| 168 | 2219-8353 | METAL FITTG, MAIN P.C. BOARD | | | |
| 169 | 2219-8363 | METAL FITTG, PANEL (X3) | | | |
| 171 | 2219-8237 | METAL FITTG, EQ P.C. BOARD | | | |
| 172 | 2219-8238 | METAL FITTG, POWER SWITCH | | | |
| 174 | 2219-8346 | METAL FITTG, HEADPHONES JACK | | | |
| 177 | 2222-7250 | HEAT SINK, MAIN | | | |
| 178 | 2222-7256 | HEAT SINK, MAIN POWER | | | |
| 179 | 2222-7243 | HEAT SINK, BRIDGE | | | |
| 180 | 2222-7240 | HEAT SINK, EQ | | | |
| 191 | 2240-364 | HOLDER, AC CORD | | | |
| 193 | 2240-7320 | HOLDER, POWER SWITCH P.C. BOARD | | | |
| 194 | 2240-7239 | HOLDER, WIRING | | | |
| 195 | 2240-R0101 | HOLDER, WIRING (X22) | | | |
| 201 | 2218-89 | BRACKET, FIX, HEADPHONES JACK | | | |
| 202 | 2218-7011 | BRACKET, FIX, WIRING (X2) | | | |
| 208 | 2360-7026 | BOSS, SPE, POWER LED | | | |
| 211 | 2402-0374 | WASHER, PLASTIC (X2) | | | |
| 213 | 2672-7018 | LEVER, POWER SHAFT | | | |
| 216 | 2601-7178 | SHAFT, CARTRIDGE SWITCH | | | |
| 220 | 2651-2101728 | SPRING, PUSH BUTTON (X5) | | | |
| 226 | 2327-R0130062 | SCREW, BND+ (3x6 mm)(X5) | | | |

GENERAL UNIT EXPLODED VIEW

1

2

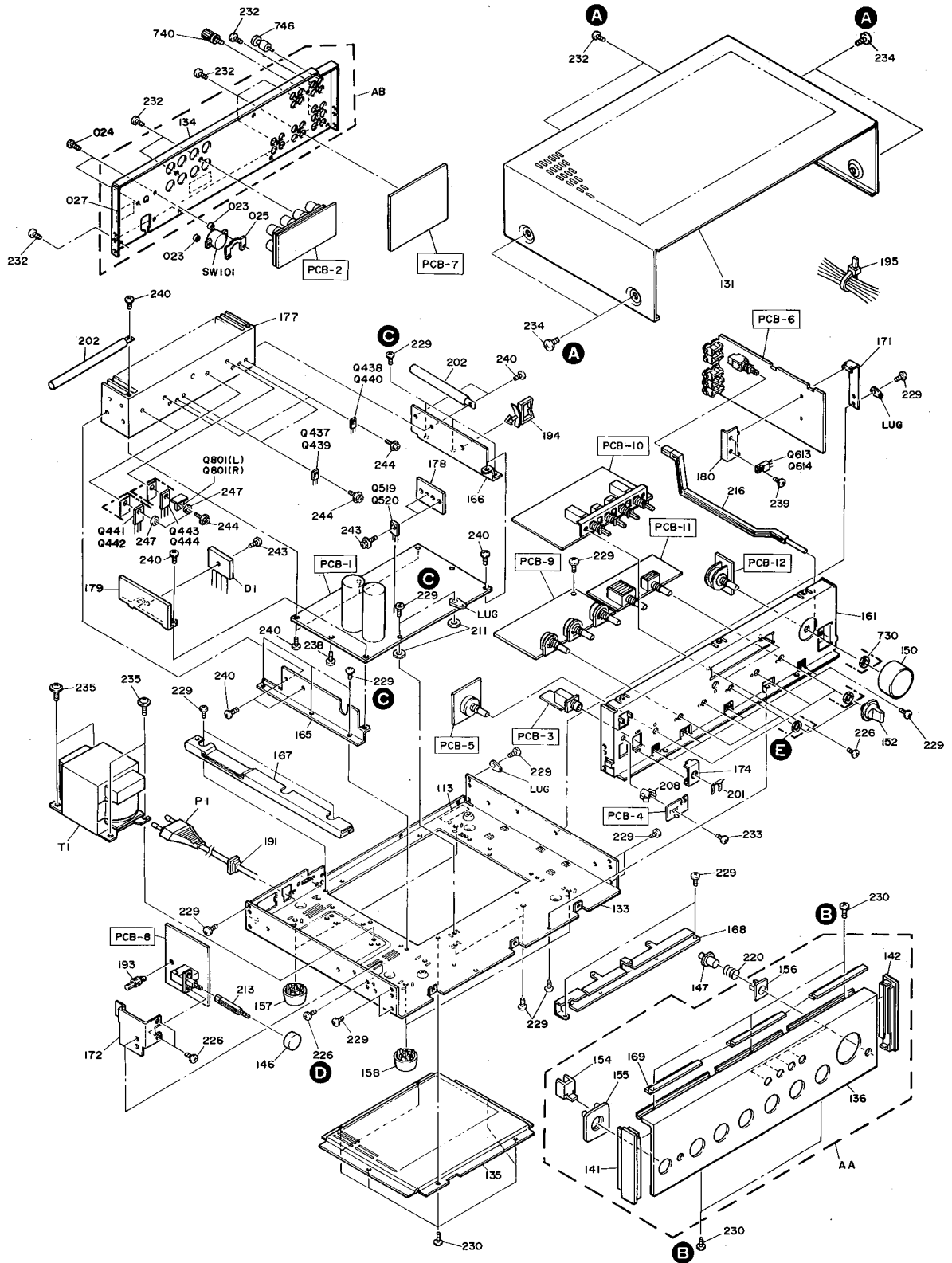
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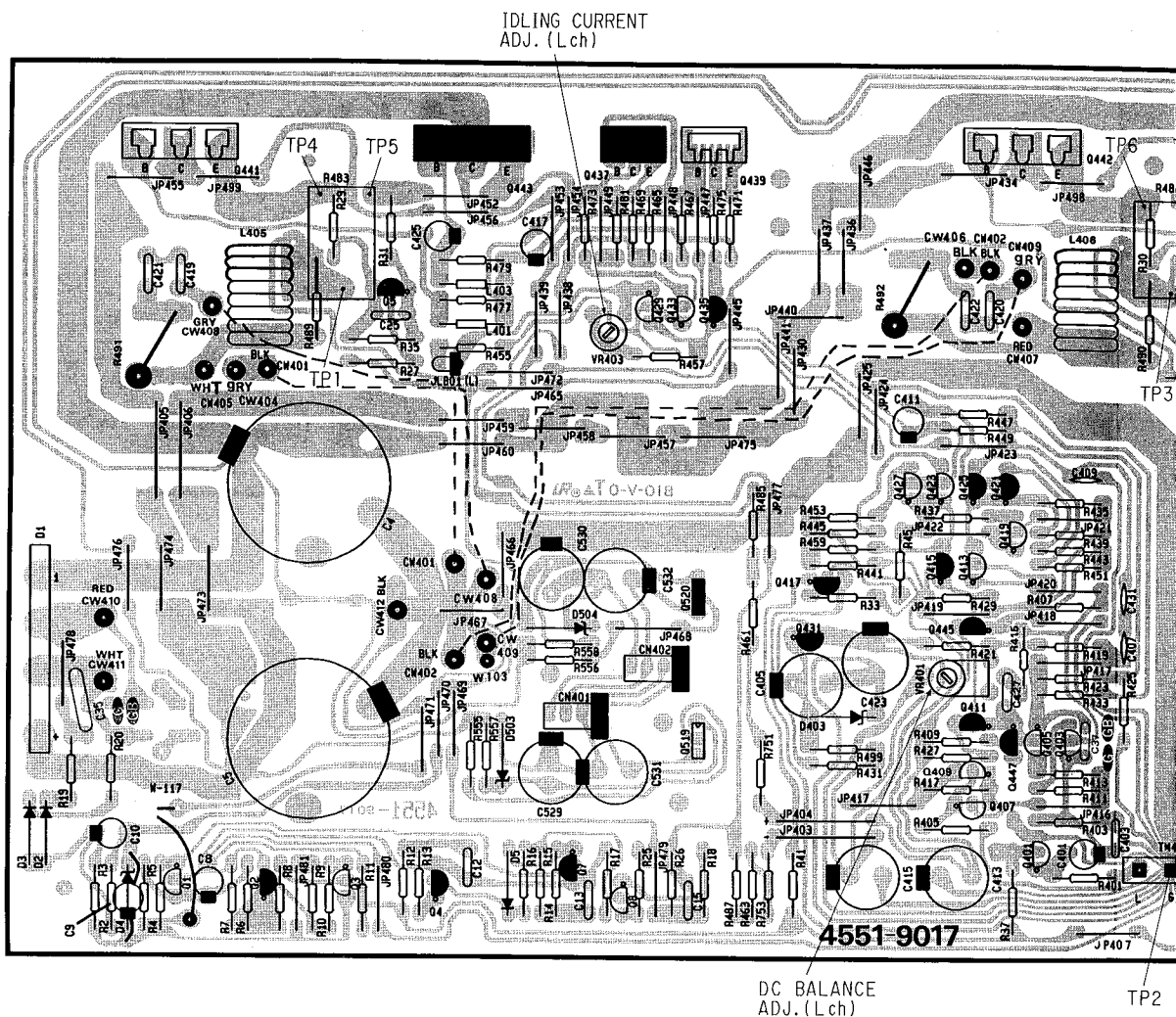
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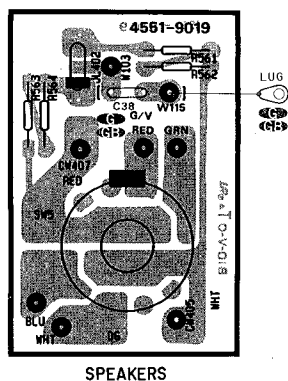


P. C. BOARDS (2)

PCB-1 Main P. C. Board



PCB-5 Speaker Switch P. C. Board



F

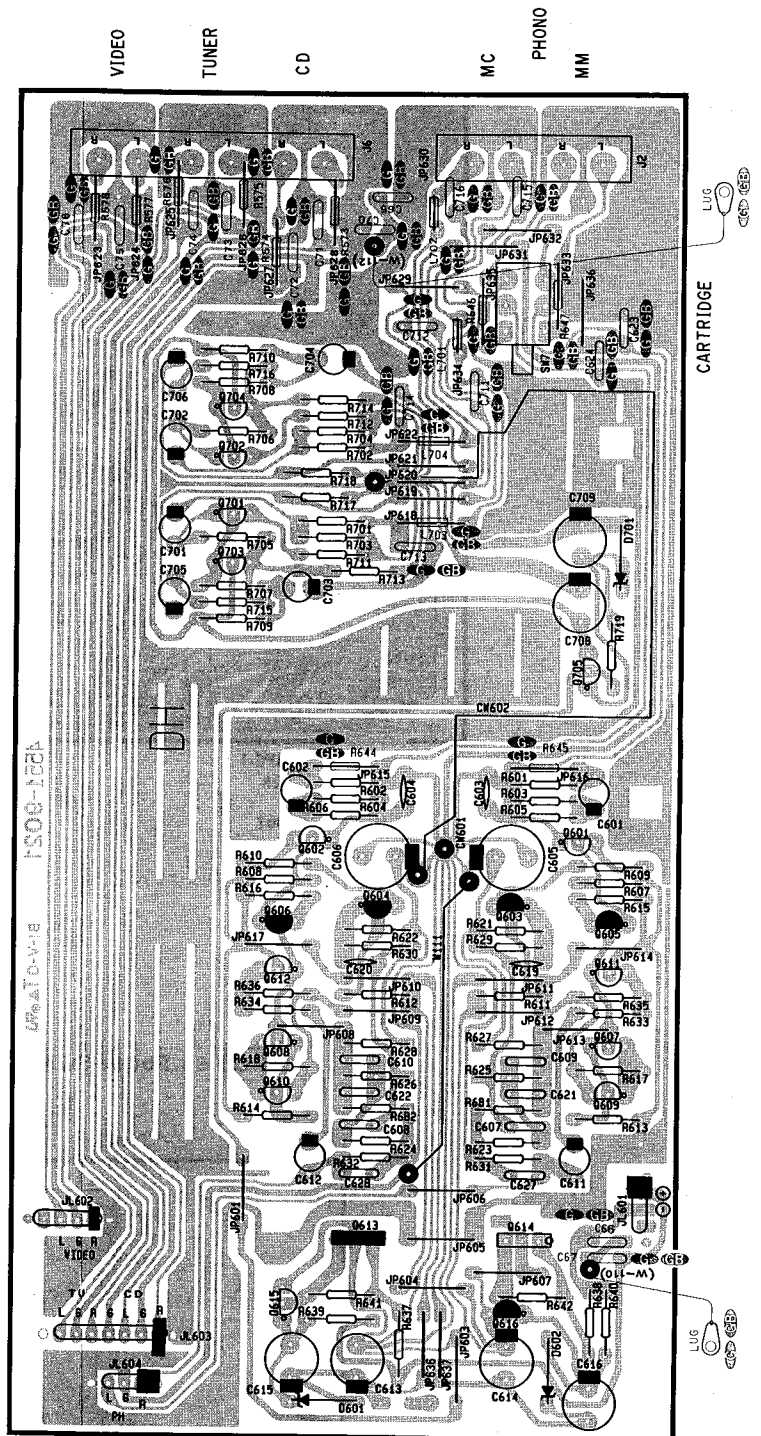
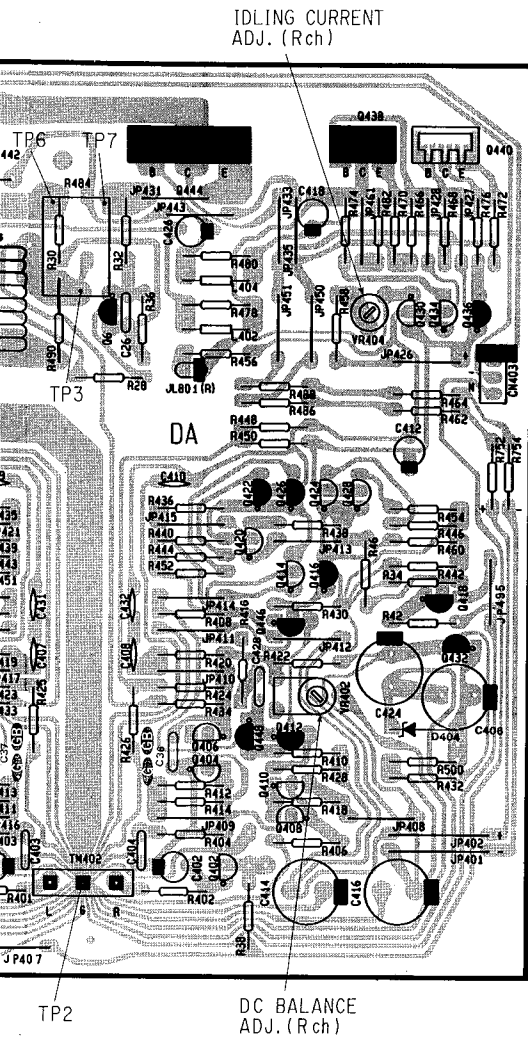
G

H

I

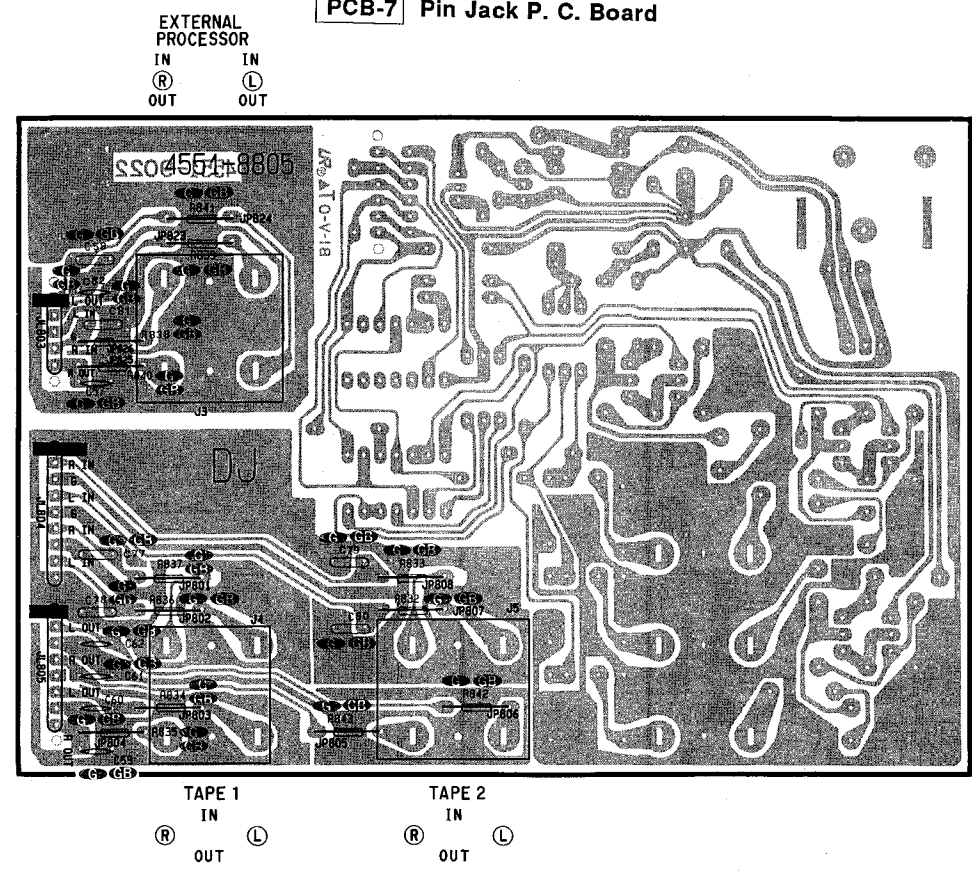
J

PCB-6 Equalizer P. C. Board

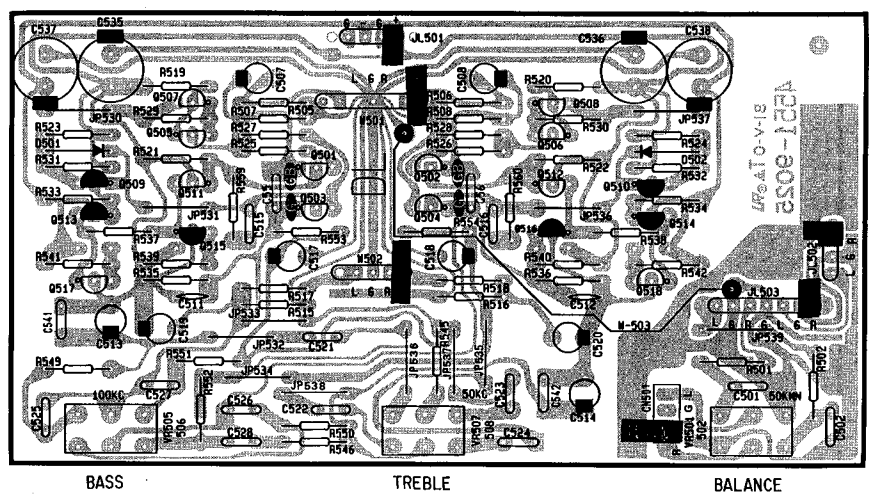


P. C. BOARDS (3)

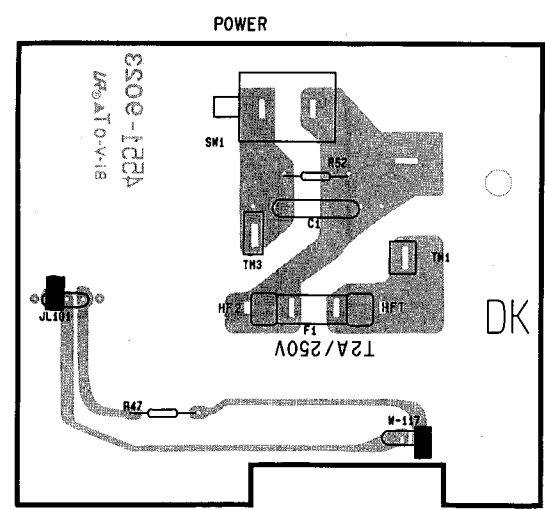
PCB-7 Pin Jack P. C. Board



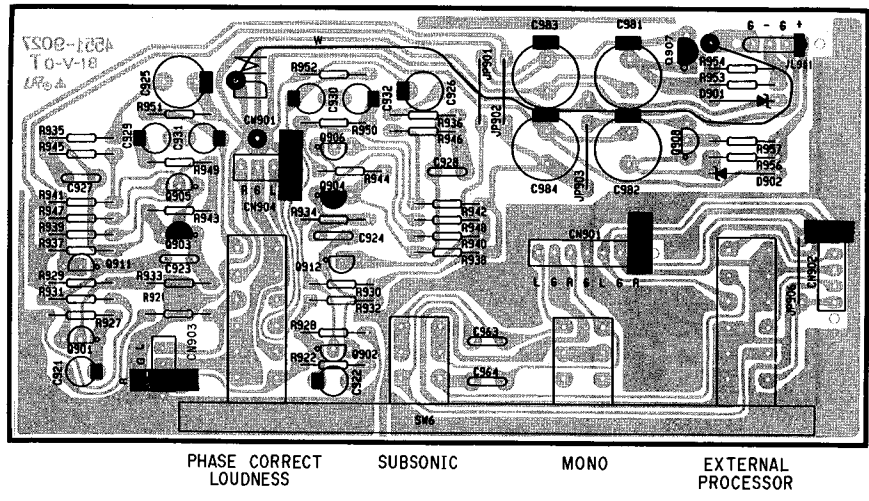
PCB-9 Tone Control P. C. Board



PCB-8 Power Switch P. C. Board

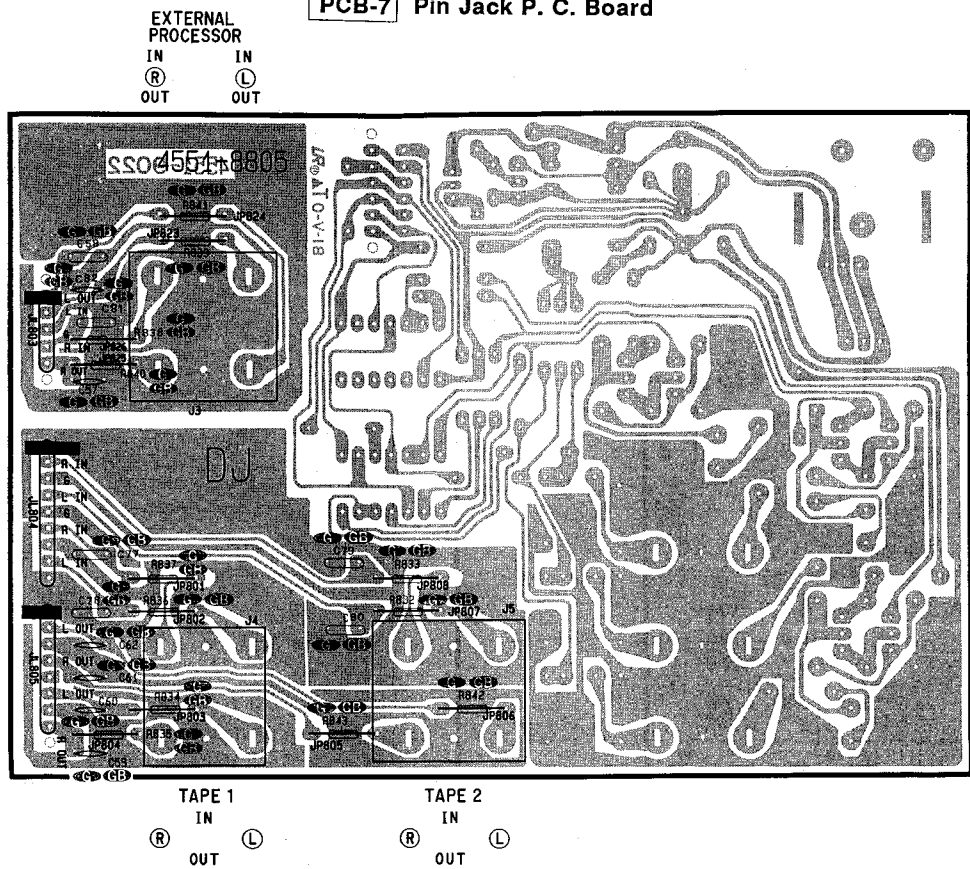


PCB-10 Basscon P. C. Board

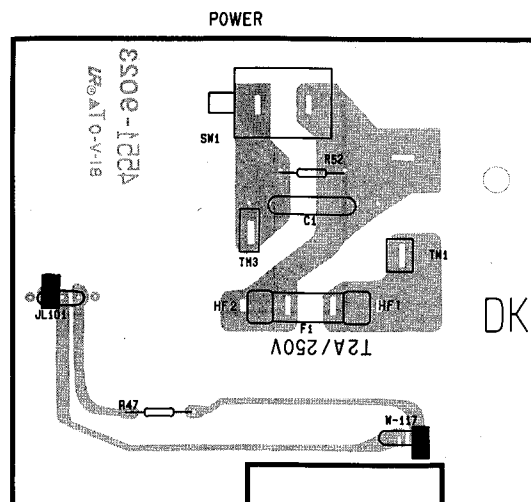


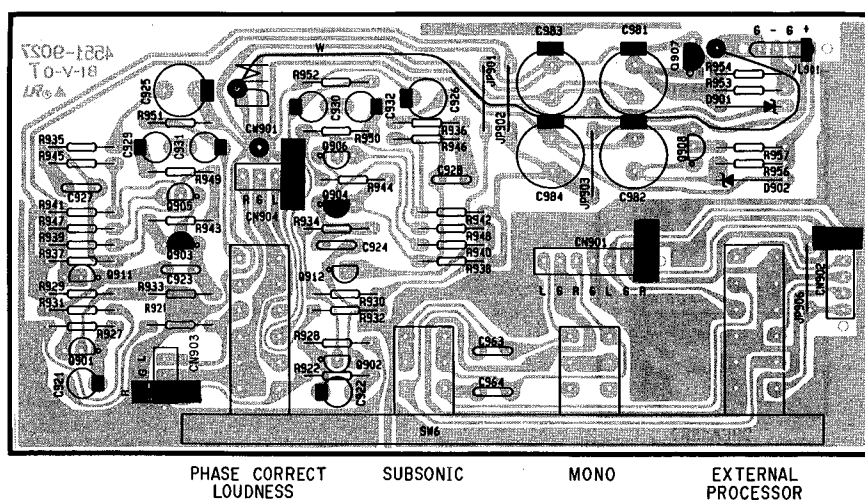
P. C. BOARDS (3)

PCB-7 Pin Jack P. C. Board



PCB-8 Power Switch P. C. Board





ELECTRICAL PARTS LIST

Ser.No Ref. No. Part No.

Description

PCB-1 MAIN P.C. BOARD

CAPACITORS

| | | | |
|------|--------|---------------|---------------------------|
| 687 | △ C4 | 5341-S10GM139 | CAP, ELE 13000μ/63V |
| 687 | △ C5 | 5341-S10GM139 | CAP, ELE 13000μ/63V |
| 632 | C8 | 5345-S19CM336 | CAP, MINI ELE 33μ/16V |
| 630 | C9 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V |
| 631 | C10 | 5345-S19FM475 | CAP, MINI ELE 4.7μ/50V |
| 633 | C12 | 5354-334593 | CAP, MYL .33μ |
| 633 | C13 | 5354-334593 | CAP, MYL .33μ |
| 636 | C15 | 5354-223J1HM | CAP, MYL .022μ |
| 635 | C25 | 5354-683593 | CAP, MYL .068μ |
| 635 | C26 | 5354-683593 | CAP, MYL .068μ |
| 057A | C35 | 5352-1041957 | CAP, MTL .1μ G GB |
| 077A | C36 | 5359-S010K101 | CAP, PPP 100P G GB |
| 077A | C37 | 5359-S010K101 | CAP, PPP 100P G GB |
| 561 | C401 | 5345-S19BM107 | CAP, MINI ELE 100μ/10V |
| 561 | C402 | 5345-S19BM107 | CAP, MINI ELE 100μ/10V |
| 566 | C403 | 5359-6805851 | CAP, PPP 68p |
| 566 | C404 | 5359-6805851 | CAP, PPP 68p |
| 563 | C405 | 5345-S19AM227 | CAP, MINI ELE 220μ/6.3V |
| 563 | C406 | 5345-S19AM227 | CAP, MINI ELE 220μ/6.3V |
| 066A | C407 | 5353-100933 | CAP, MCA 10p |
| 066A | C408 | 5353-100933 | CAP, MCA 10p |
| 571 | C409 | 5353-680533 | CAP, MCA 68p |
| 571 | C410 | 5353-680533 | CAP, MCA 68p |
| 562 | C411 | 5345-S19FM106 | CAP, MINI ELE 10μ/50V |
| 562 | C412 | 5345-S19FM106 | CAP, MINI ELE 10μ/50V |
| 564 | △ C413 | 5345-337G0962 | CAP, MINI ELE 330μ/63V |
| 564 | △ C414 | 5345-337G0962 | CAP, MINI ELE 330μ/63V |
| 564 | △ C415 | 5345-337G0962 | CAP, MINI ELE 330μ/63V |
| 564 | △ C416 | 5345-337G0962 | CAP, MINI ELE 330μ/63V |
| 562 | C417 | 5345-S19FM106 | CAP, MINI ELE 10μ/50V |
| 562 | C418 | 5345-S19FM106 | CAP, MINI ELE 10μ/50V |
| 568 | C419 | 5354-104593 | CAP, MYL .1μ |
| 568 | C420 | 5354-104593 | CAP, MYL .1μ |
| 568 | C421 | 5354-104593 | CAP, MYL .1μ |
| 568 | C422 | 5354-104593 | CAP, MYL .1μ |
| 563 | C423 | 5345-S19AM227 | CAP, MINI ELE 220μ/6.3V |
| 563 | C424 | 5345-S19AM227 | CAP, MINI ELE 220μ/6.3V |
| 562 | C425 | 5345-S19FM106 | CAP, MINI ELE 10μ/50V |
| 562 | C426 | 5345-S19FM106 | CAP, MINI ELE 10μ/50V |
| 573 | C427 | 5359-4715851 | CAP, PPP 470p IB |
| 573A | C427 | 5359-3315851 | CAP, PPP 330p G GB |
| 573 | C428 | 5359-4715851 | CAP, PPP 470p IB |
| 573A | C428 | 5359-3315851 | CAP, PPP 330p G GB |
| 066A | C431 | 5353-100933 | CAP, MCA 10p |
| 066A | C432 | 5353-100933 | CAP, MCA 10p |
| 659 | C529 | 5345-337D041 | CAP, MINI ELE 330μ/25V |
| 659 | C530 | 5345-337D041 | CAP, MINI ELE 330μ/25V |
| 659 | C531 | 5345-337D041 | CAP, MINI ELE 330μ/25V |
| 659 | C532 | 5345-337D041 | CAP, MINI ELE 330μ/25V |

RESISTORS

| | | | |
|-----|-----|-------------|--------------------|
| 641 | R2 | 5135-103522 | RES, CBN 1/2P 10K |
| 638 | R3 | 5135-222522 | RES, CBN 1/2P 2.2K |
| 645 | R4 | 5135-473522 | RES, CBN 1/2P 47K |
| 644 | R5 | 5135-334522 | RES, CBN 1/2P 330K |
| 642 | R6 | 5135-684522 | RES, CBN 1/2P 680K |
| 647 | R7 | 5135-184522 | RES, CBN 1/2P 180K |
| 643 | R8 | 5135-225522 | RES, CBN 1/2P 2.2M |
| 640 | R9 | 5135-104522 | RES, CBN 1/2P 100K |
| 640 | R10 | 5135-104522 | RES, CBN 1/2P 100K |
| 641 | R11 | 5135-103522 | RES, CBN 1/2P 10K |
| 640 | R12 | 5135-104522 | RES, CBN 1/2P 100K |
| 645 | R13 | 5135-473522 | RES, CBN 1/2P 47K |
| 646 | R14 | 5135-223522 | RES, CBN 1/2P 22K |
| 646 | R15 | 5135-223522 | RES, CBN 1/2P 22K |
| 645 | R16 | 5135-473522 | RES, CBN 1/2P 47K |
| 641 | R17 | 5135-103522 | RES, CBN 1/2P 10K |
| 646 | R18 | 5135-223522 | RES, CBN 1/2P 22K |

Ser.No Ref. No. Part No.

Description

| | | | |
|------|--------|--------------|--------------------------------|
| 649 | R19 | 5135-102522 | RES, CBN 1/2P 1K |
| 649 | R20 | 5135-102522 | RES, CBN 1/2P 1K |
| 650 | R25 | 5135-152522 | RES, CBN 1/2P 1.5K |
| 645 | R26 | 5135-473522 | RES, CBN 1/2P 47K |
| 648 | R27 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 648 | R28 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 648 | R29 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 648 | R30 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 648 | R31 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 648 | R32 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 646 | R33 | 5135-223522 | RES, CBN 1/2P 22K |
| 646 | R34 | 5135-223522 | RES, CBN 1/2P 22K |
| 637A | R35 | 5135-821522 | RES, CBN 1/2P 820 |
| 637A | R36 | 5135-821522 | RES, CBN 1/2P 820 |
| 639 | R37 | 5135-105522 | RES, CBN 1/2P 1M |
| 639 | R38 | 5135-105522 | RES, CBN 1/2P 1M |
| 646 | R41 | 5135-223522 | RES, CBN 1/2P 22K |
| 646 | R42 | 5135-223522 | RES, CBN 1/2P 22K |
| 646 | R45 | 5135-223522 | RES, CBN 1/2P 22K |
| 646 | R46 | 5135-223522 | RES, CBN 1/2P 22K |
| 604 | R401 | 5135-331522 | RES, CBN 1/2P 330 |
| 604 | R402 | 5135-331522 | RES, CBN 1/2P 330 |
| 599 | R403 | 5135-223522 | RES, CBN 1/2P 22K |
| 599 | R404 | 5135-223522 | RES, CBN 1/2P 22K |
| 600 | R405 | 5135-333522 | RES, CBN 1/2P 33K |
| 600 | R406 | 5135-333522 | RES, CBN 1/2P 33K |
| 589 | R407 | 5135-122522 | RES, CBN 1/2P 1.2K |
| 589 | R408 | 5135-122522 | RES, CBN 1/2P 1.2K |
| 589 | R409 | 5135-122522 | RES, CBN 1/2P 1.2K |
| 589 | R410 | 5135-122522 | RES, CBN 1/2P 1.2K |
| 602 | R411 | 5135-221522 | RES, CBN 1/2P 220 |
| 602 | R412 | 5135-221522 | RES, CBN 1/2P 220 |
| 602 | R413 | 5135-221522 | RES, CBN 1/2P 220 |
| 602 | R414 | 5135-221522 | RES, CBN 1/2P 220 |
| 598 | R415 | 5135-331522 | RES, CBN 1/2P 330 IB |
| 598A | R415 | 5135-122522 | RES, CBN 1/2P 1.2K G GB |
| 598 | R416 | 5135-331522 | RES, CBN 1/2P 330 IB |
| 598A | R416 | 5135-122522 | RES, CBN 1/2P 1.2K G GB |
| 604 | R417 | 5135-331522 | RES, CBN 1/2P 330 |
| 604 | R418 | 5135-331522 | RES, CBN 1/2P 330 |
| 605 | R419 | 5135-333522 | RES, CBN 1/2P 33K |
| 605 | R420 | 5135-333522 | RES, CBN 1/2P 33K |
| 606 | R421 | 5135-182522 | RES, CBN 1/2P 1.8K |
| 606 | R422 | 5135-182522 | RES, CBN 1/2P 1.8K |
| 592 | R423 | 5135-751522 | RES, CBN 1/2P 750 |
| 592 | R424 | 5135-751522 | RES, CBN 1/2P 750 |
| 591 | R425 | 5135-220522 | RES, CBN 1/2P 22 |
| 591 | R426 | 5135-220522 | RES, CBN 1/2P 22 |
| 587 | △ R427 | 5102-1224713 | RES, FUSE 1.2K |
| 587 | △ R428 | 5102-1224713 | RES, FUSE 1.2K |
| 587 | △ R429 | 5102-1224713 | RES, FUSE 1.2K |
| 587 | △ R430 | 5102-1224713 | RES, FUSE 1.2K |
| 603 | R431 | 5135-562522 | RES, CBN 1/2P 5.6K |
| 603 | R432 | 5135-562522 | RES, CBN 1/2P 5.6K |
| 593 | R433 | 5174-243381 | RES, MTL 1/4P 24K |
| 593 | R434 | 5174-243381 | RES, MTL 1/4P 24K |
| 613 | R435 | 5135-153522 | RES, CBN 1/2P 15K |
| 613 | R436 | 5135-153522 | RES, CBN 1/2P 15K |
| 608 | R437 | 5135-123522 | RES, CBN 1/2P 12K |
| 608 | R438 | 5135-123522 | RES, CBN 1/2P 12K |
| 595 | R439 | 5174-222381 | RES, MTL 1/4P 2.2K |
| 595 | R440 | 5174-222381 | RES, MTL 1/4P 2.2K |
| 595 | R441 | 5174-222381 | RES, MTL 1/4P 2.2K |
| 595 | R442 | 5174-222381 | RES, MTL 1/4P 2.2K |
| 585 | △ R443 | 5102-1515116 | RES, FUSE 150 |
| 585 | △ R444 | 5102-1515116 | RES, FUSE 150 |
| 585 | △ R445 | 5102-1515116 | RES, FUSE 150 |
| 585 | △ R446 | 5102-1515116 | RES, FUSE 150 |
| 594 | R447 | 5135-123522 | RES, CBN 1/2P 12K |
| 594 | R448 | 5135-123522 | RES, CBN 1/2P 12K |
| 594 | R449 | 5135-123522 | RES, CBN 1/2P 12K |

| Ser.No | Ref. No. | Part No. | Description |
|--------|----------|--------------|--------------------|
| 594 | R450 | 5135-123522 | RES, CBN 1/2P 12K |
| 585 | △ R451 | 5102-1515116 | RES, FUSE 150 |
| 585 | △ R452 | 5102-1515116 | RES, FUSE 150 |
| 585 | △ R453 | 5102-1515116 | RES, FUSE 150 |
| 585 | △ R454 | 5102-1515116 | RES, FUSE 150 |
| 610 | R455 | 5135-121522 | RES, CBN 1/2P 120 |
| 610 | R456 | 5135-121522 | RES, CBN 1/2P 120 |
| 609 | R457 | 5135-221522 | RES, CBN 1/2P 220 |
| 609 | R458 | 5135-221522 | RES, CBN 1/2P 220 |
| 597 | R459 | 5135-131522 | RES, CBN 1/2P 130 |
| 597 | R460 | 5135-131522 | RES, CBN 1/2P 130 |
| 584 | △ R461 | 5102-3R35116 | RES, FUSE 3.3 |
| 584 | △ R462 | 5102-3R35116 | RES, FUSE 3.3 |
| 584 | △ R463 | 5102-3R35116 | RES, FUSE 3.3 |
| 584 | △ R464 | 5102-3R35116 | RES, FUSE 3.3 |
| 586 | △ R465 | 5102-1015116 | RES, FUSE 100 |
| 586 | △ R466 | 5102-1015116 | RES, FUSE 100 |
| 586 | △ R467 | 5102-1015116 | RES, FUSE 100 |
| 586 | △ R468 | 5102-1015116 | RES, FUSE 100 |
| 588 | △ R469 | 5102-2R25116 | RES, FUSE 2.2 |
| 588 | △ R470 | 5102-2R25116 | RES, FUSE 2.2 |
| 588 | △ R471 | 5102-2R25116 | RES, FUSE 2.2 |
| 588 | △ R472 | 5102-2R25116 | RES, FUSE 2.2 |
| 611 | R473 | 5135-150522 | RES, CBN 1/2P 15 |
| 611 | R474 | 5135-150522 | RES, CBN 1/2P 15 |
| 611 | R475 | 5135-150522 | RES, CBN 1/2P 15 |
| 611 | R476 | 5135-150522 | RES, CBN 1/2P 15 |
| 612 | R477 | 5135-100522 | RES, CBN 1/2P 10 |
| 612 | R478 | 5135-100522 | RES, CBN 1/2P 10 |
| 612 | R479 | 5135-100522 | RES, CBN 1/2P 10 |
| 612 | R480 | 5135-100522 | RES, CBN 1/2P 10 |
| 590 | R481 | 5135-560522 | RES, CBN 1/2P 56 |
| 590 | R482 | 5135-560522 | RES, CBN 1/2P 56 |
| 575 | R483 | 5275-R27671 | RES, CEM 5P .27 |
| 575 | R484 | 5275-R27671 | RES, CEM 5P .27 |
| 614 | R485 | 5135-3R3522 | RES, CBN 1/2P 3.3 |
| 614 | R486 | 5135-3R3522 | RES, CBN 1/2P 3.3 |
| 614 | R487 | 5135-3R3522 | RES, CBN 1/2P 3.3 |
| 614 | R488 | 5135-3R3522 | RES, CBN 1/2P 3.3 |
| 617 | R489 | 5171-1R0581 | RES, MTL 1P 1 |
| 617 | R490 | 5171-1R0581 | RES, MTL 1P 1 |
| 615 | R491 | 5175-100581 | RES, MTL 3P 10 |
| 615 | R492 | 5175-100581 | RES, MTL 3P 10 |
| 616 | R499 | 5135-103522 | RES, CBN 1/2P 10K |
| 616 | R500 | 5135-103522 | RES, CBN 1/2P 10K |
| 660 | △ R555 | 5102-1005116 | RES, FUSE 10 |
| 660 | △ R556 | 5102-1005116 | RES, FUSE 10 |
| 661 | R557 | 5135-562522 | RES, CBN 1/2P 5.6K |
| 661 | R558 | 5135-562522 | RES, CBN 1/2P 5.6K |
| 614 | R751 | 5135-3R3522 | RES, CBN 1/2P 3.3 |
| 614 | R752 | 5135-3R3522 | RES, CBN 1/2P 3.3 |
| 614 | R753 | 5135-3R3522 | RES, CBN 1/2P 3.3 |
| 614 | R754 | 5135-3R3522 | RES, CBN 1/2P 3.3 |

TRANSISTORS

| | | | |
|-----|------|----------------|---------------|
| 621 | Q1 | 5613-1740S(S) | XISTOR, NPN R |
| 622 | Q2 | 5611-933S(S) | XISTOR, PNP R |
| 621 | Q3 | 5613-1740S(S) | XISTOR, NPN R |
| 622 | Q4 | 5611-933S(S) | XISTOR, PNP R |
| 624 | Q5 | 5611-970(BL) | XISTOR, PNP R |
| 624 | Q6 | 5611-970(BL) | XISTOR, PNP R |
| 622 | Q7 | 5611-933S(S) | XISTOR, PNP R |
| 623 | Q8 | 5613-2240(BL) | XISTOR, NPN R |
| 625 | Q401 | 5616-2SK364(V) | FET, N-CH |
| 625 | Q402 | 5616-2SK364(V) | FET, N-CH |
| 531 | Q403 | 5613-1775(F) | XISTOR, NPN R |
| 531 | Q404 | 5613-1775(F) | XISTOR, NPN R |
| 531 | Q405 | 5613-1775(F) | XISTOR, NPN R |
| 531 | Q406 | 5613-1775(F) | XISTOR, NPN R |
| 535 | Q407 | 5613-2320L(F) | XISTOR, NPN R |
| 535 | Q408 | 5613-2320L(F) | XISTOR, NPN R |

| Ser.No | Ref. No. | Part No. | Description |
|--------|----------|---------------|---------------|
| 535 | Q409 | 5613-2320L(F) | XISTOR, NPN R |
| 535 | Q410 | 5613-2320L(F) | XISTOR, NPN R |
| 538 | Q411 | 5611-872(E) | XISTOR, PNP R |
| 538 | Q412 | 5611-872(E) | XISTOR, PNP R |
| 534 | Q413 | 5613-2320L(F) | XISTOR, NPN R |
| 534 | Q414 | 5613-2320L(F) | XISTOR, NPN R |
| 532 | Q415 | 5611-999L(F) | XISTOR, PNP R |
| 532 | Q416 | 5611-999L(F) | XISTOR, PNP R |
| 533 | Q417 | 5611-970(BL) | XISTOR, PNP R |
| 533 | Q418 | 5611-970(BL) | XISTOR, PNP R |
| 536 | Q419 | 5613-2632(S) | XISTOR, NPN R |
| 536 | Q420 | 5613-2632(S) | XISTOR, NPN R |
| 537 | Q421 | 5611-1124(S) | XISTOR, PNP R |
| 537 | Q422 | 5611-1124(S) | XISTOR, PNP R |
| 536 | Q423 | 5613-2632(S) | XISTOR, NPN R |
| 536 | Q424 | 5613-2632(S) | XISTOR, NPN R |
| 537 | Q425 | 5611-1124(S) | XISTOR, PNP R |
| 537 | Q426 | 5611-1124(S) | XISTOR, PNP R |
| 536 | Q427 | 5613-2632(S) | XISTOR, NPN R |
| 536 | Q428 | 5613-2632(S) | XISTOR, NPN R |
| 540 | Q429 | 5613-945(P) | XISTOR, NPN R |
| 540 | Q430 | 5613-945(P) | XISTOR, NPN R |
| 542 | Q431 | 5611-970(BL) | XISTOR, PNP R |
| 542 | Q432 | 5611-970(BL) | XISTOR, PNP R |
| 546 | Q433 | 5613-2632(S) | XISTOR, NPN R |
| 546 | Q434 | 5613-2632(S) | XISTOR, NPN R |
| 545 | Q435 | 5611-1124(S) | XISTOR, PNP R |
| 545 | Q436 | 5611-1124(S) | XISTOR, PNP R |
| 544 | Q437 | 5611-1306(Y) | XISTOR, PNP R |
| 544 | Q438 | 5611-1306(Y) | XISTOR, PNP R |
| 541 | Q439 | 5613-3298(Y) | XISTOR, NPN R |
| 541 | Q440 | 5613-3298(Y) | XISTOR, NPN R |
| 547 | △ Q441 | 5613-3281(O) | XISTOR, NPN R |
| 547 | △ Q442 | 5613-3281(O) | XISTOR, NPN R |
| 549 | △ Q443 | 5611-1302(O) | XISTOR, PNP R |
| 549 | △ Q444 | 5611-1302(O) | XISTOR, PNP R |
| 538 | Q445 | 5611-872(E) | XISTOR, PNP R |
| 538 | Q446 | 5611-872(E) | XISTOR, PNP R |
| 538 | Q447 | 5611-872(E) | XISTOR, PNP R |
| 538 | Q448 | 5611-872(E) | XISTOR, PNP R |
| 655 | Q519 | 5614-1266(P) | XISTOR, NPN A |
| 656 | Q520 | 5612-941(P) | XISTOR, PNP A |

DIODES

| | | | |
|-----|------|--------------|---------------|
| 681 | △ D1 | 5685-D5SB20 | SILICON, BRIG |
| 628 | △ D2 | 5636-1S2471 | DIODE, SWITCH |
| 628 | △ D3 | 5636-1S2471 | DIODE, SWITCH |
| 627 | D4 | 5635-HZ6A-2L | DIODE, ZENER |
| 629 | D5 | 5631-1S2473 | DIODE, DET |
| 553 | D403 | 5635-HZ6A2L | DIODE, ZENER |
| 553 | D404 | 5635-HZ6A2L | DIODE, ZENER |
| 657 | D503 | 5635-HZ22-2L | DIODE, ZENER |
| 657 | D504 | 5635-HZ22-2L | DIODE, ZENER |

COILS

| | | | |
|-----|------|-----------|-------------|
| 557 | L405 | 5991-7125 | SPRING COIL |
| 557 | L406 | 5991-7125 | SPRING COIL |

CONTROLS

| | | | |
|-----|-------|---------------|-----------------------------------|
| 581 | VR401 | 5101-50271920 | RES, SEMI FIX 5K, DC BALANCE |
| 581 | VR402 | 5101-50271920 | RES, SEMI FIX 5K, DC BALANCE |
| 582 | VR403 | 5101-50101930 | RES, SEMI FIX 500, IDLING CURRENT |
| 582 | VR404 | 5101-50101930 | RES, SEMI FIX 500, IDLING CURRENT |

MISCELLANEOUS

| | | | |
|-----|-------|--------------|---------------|
| 693 | CN401 | 4443-040185 | CONNECTOR |
| 693 | CN402 | 4443-040185 | CONNECTOR |
| 694 | CN403 | 4443-030185 | CONNECTOR |
| 747 | CW401 | 4163-0110024 | CONNECTOR W/W |
| 748 | CW402 | 4163-0114024 | CONNECTOR W/W |
| 749 | CW404 | 4163-0134026 | CONNECTOR W/W |

| Ser.No | Ref. No. | Part No. | Description |
|--------|----------|---------------|---------------|
| 750 | CW405 | 4163-0140027 | CONNECTOR W/W |
| 751 | CW406 | 4163-0134024 | CONNECTOR W/W |
| 752 | CW407 | 4163-0140025 | CONNECTOR W/W |
| 756 | CW408 | 4163-0110026 | CONNECTOR W/W |
| 759 | CW409 | 4163-0114026 | CONNECTOR W/W |
| 760 | CW410 | 4163-0119021 | CONNECTOR W/W |
| 762 | CW411 | 4163-0119023 | CONNECTOR W/W |
| 764 | CW412 | 4163-0122020 | CONNECTOR W/W |
| 757 | JL801L | 4132-R0202101 | CORD, 2C |
| 757 | JL801R | 4132-R0202101 | CORD, 2C |
| 558 | L401 | 5597-45502 | CORE, BEADS |
| 558 | L402 | 5597-45502 | CORE, BEADS |
| 558 | L403 | 5597-45502 | CORE, BEADS |
| 558 | L404 | 5597-45502 | CORE, BEADS |
| 692 | △ TM402 | 4214-11031 | TERMINAL |
| 758 | W117 | 4132-R0202201 | CORD, 2C |

PCB-2 SPEAKER P.C. BOARD

CAPACITORS

| | | | | | |
|------|-----|--------------|---------------|---|----|
| 068A | C51 | 5359-1515851 | CAP, PPP 150p | G | GB |
| 068A | C52 | 5359-1515851 | CAP, PPP 150p | G | GB |
| 075A | C53 | 5359-1515851 | CAP, PPP 150p | G | GB |
| 075A | C54 | 5359-1515851 | CAP, PPP 150p | G | GB |

MISCELLANEOUS

| | | | |
|-----|--------|-------------|-------------------|
| 763 | JL401 | 4242-044305 | JUMPER LEAD |
| 743 | △ TM10 | 4214-156 | TERMINAL, SPEAKER |

PCB-3 HEADPHONES P.C. BOARD

CAPACITORS

| | | | | | |
|------|-----|---------------|---------------|---|----|
| 070A | C63 | 5359-S010K101 | CAP, PPP 100p | G | GB |
| 070A | C64 | 5359-S010K101 | CAP, PPP 100p | G | GB |

COILS

| | | | | | |
|------|-----|--------------|-------------|---|----|
| 071A | L63 | 5995-221J107 | COIL W/CORE | G | GB |
| 071A | L64 | 5995-221J107 | COIL W/CORE | G | GB |

MISCELLANEOUS

| | | | |
|-----|-------|---------------|----------------------|
| 736 | J1 | 4451-51501 | JACK, 1P, HEADPHONES |
| 797 | JL402 | 4242-R0503101 | JUMPER LEAD |
| 852 | | 2240-Z032 | HOLDER, JL402 |

PCB-4 LED P.C. BOARD

CAPACITOR

| | | | |
|-----|-----|---------------|-----------------------|
| 668 | C11 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V |
|-----|-----|---------------|-----------------------|

DIODE

| | | | |
|-----|----|---------------|------------|
| 741 | D9 | 5637-SLR33MC3 | LED, POWER |
|-----|----|---------------|------------|

PCB-5 SPEAKER SWITCH P.C. BOARD

CAPACITOR

| | | | | | |
|------|-----|---------------|----------------|---|----|
| 078A | C38 | 5359-S010J102 | CAP, PPP 1000p | G | GB |
|------|-----|---------------|----------------|---|----|

RESISTORS

| | | | |
|-----|------|-------------|-------------------|
| 619 | R561 | 5135-221522 | RES, CBN 1/2P 220 |
| 619 | R562 | 5135-221522 | RES, CBN 1/2P 220 |
| 619 | R563 | 5135-221522 | RES, CBN 1/2P 220 |
| 619 | R564 | 5135-221522 | RES, CBN 1/2P 220 |

MISCELLANEOUS

| | | | |
|-----|-----|---------------|--------------------------|
| 729 | SW5 | 4411-00306403 | SWITCH, ROTARY, SPEAKERS |
|-----|-----|---------------|--------------------------|

| Ser.No | Ref. No. | Part No. | Description |
|--------|----------|----------|-------------|
|--------|----------|----------|-------------|

PCB-6 EQUALIZER P.C. BOARD

CAPACITORS

| | | | | | |
|------|------|---------------|-------------------------|---|----|
| 079A | C65 | 5361-103ZF | CAP, CER .01μ | G | GB |
| 060A | C66 | 5359-S010J103 | CAP, PPP .01μ | G | GB |
| 060A | C67 | 5359-S010J103 | CAP, PPP .01μ | G | GB |
| 079A | C70 | 5361-103ZF | CAP, CER .01μ | G | GB |
| 076A | C71 | 5359-1015851 | CAP, PPP 100p | G | GB |
| 076A | C72 | 5359-1015851 | CAP, PPP 100p | G | GB |
| 076A | C73 | 5359-1015851 | CAP, PPP 100p | G | GB |
| 076A | C74 | 5359-1015851 | CAP, PPP 100p | G | GB |
| 076A | C75 | 5359-1015851 | CAP, PPP 100p | G | GB |
| 076A | C76 | 5359-1015851 | CAP, PPP 100p | G | GB |
| 419 | C601 | 5345-S19DM475 | CAP, MINI ELE 4.7μ/25V | | |
| 419 | C602 | 5345-S19DM475 | CAP, MINI ELE 4.7μ/25V | | |
| 423 | C603 | 5359-1215851 | CAP, PPP 120p | | |
| 423 | C604 | 5359-1215851 | CAP, PPP 120p | | |
| 420 | C605 | 5345-S19AM227 | CAP, MINI ELE 220μ/6.3V | | |
| 420 | C606 | 5345-S19AM227 | CAP, MINI ELE 220μ/6.3V | | |
| 424 | C607 | 5359-5625851 | CAP, PPP 5600p | | |
| 424 | C608 | 5359-5625851 | CAP, PPP 5600p | | |
| 423 | C609 | 5359-1215851 | CAP, PPP 120p | | |
| 423 | C610 | 5359-1215851 | CAP, PPP 120p | | |
| 421 | C611 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V | | |
| 421 | C612 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V | | |
| 456 | C613 | 5345-227D041 | CAP, MINI ELE 220μ/25V | | |
| 456 | C614 | 5345-227D041 | CAP, MINI ELE 220μ/25V | | |
| 456 | C615 | 5345-227D041 | CAP, MINI ELE 220μ/25V | | |
| 456 | C616 | 5345-227D041 | CAP, MINI ELE 220μ/25V | | |
| 427 | C619 | 5353-040933 | CAP, MCA 4p | | |
| 427 | C620 | 5353-040933 | CAP, MCA 4p | | |
| 422 | C621 | 5359-S010J182 | CAP, PPP 1800p | | |
| 422 | C622 | 5359-S010J182 | CAP, PPP 1800p | | |
| 056A | C623 | 5353-820534 | CAP, MCA 82p | G | GB |
| 056A | C624 | 5353-820534 | CAP, MCA 82p | G | GB |
| 425 | C627 | 5359-6825851 | CAP, PPP 6800p | | |
| 425 | C628 | 5359-6825851 | CAP, PPP 6800p | | |
| 837 | C701 | 5345-S19BM107 | CAP, MINI ELE 100μ/10V | | |
| 837 | C702 | 5345-S19BM107 | CAP, MINI ELE 100μ/10V | | |
| 839 | C703 | 5345-477C041 | CAP, MINI ELE 470μ/16V | | |
| 839 | C704 | 5345-477C041 | CAP, MINI ELE 470μ/16V | | |
| 836 | C705 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V | | |
| 836 | C706 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V | | |
| 838 | C708 | 5345-337D041 | CAP, MINI ELE 330μ/25V | | |
| 838 | C709 | 5345-337D041 | CAP, MINI ELE 330μ/25V | | |
| 064A | C711 | 5359-S010J103 | CAP, PPP .01μ | G | GB |
| 064A | C712 | 5359-S010J103 | CAP, PPP .01μ | G | GB |
| 064A | C713 | 5359-S010J103 | CAP, PPP .01μ | G | GB |
| 064A | C714 | 5359-S010J103 | CAP, PPP .01μ | G | GB |
| 061A | C715 | 5359-1815851 | CAP, PPP 180p | G | GB |
| 061A | C716 | 5359-1815851 | CAP, PPP 180p | G | GB |

RESISTORS

| | | | | | |
|------|------|-------------|--------------------|---|----|
| 055A | R573 | 5135-102522 | RES, CBN 1/2P 1K | G | GB |
| 055A | R574 | 5135-102522 | RES, CBN 1/2P 1K | G | GB |
| 055A | R575 | 5135-102522 | RES, CBN 1/2P 1K | G | GB |
| 055A | R576 | 5135-102522 | RES, CBN 1/2P 1K | G | GB |
| 055A | R577 | 5135-102522 | RES, CBN 1/2P 1K | G | GB |
| 055A | R578 | 5135-102522 | RES, CBN 1/2P 1K | G | GB |
| 429 | R601 | 5135-823522 | RES, CBN 1/2P 82K | | |
| 429 | R602 | 5135-823522 | RES, CBN 1/2P 82K | | |
| 430 | R603 | 5135-124522 | RES, CBN 1/2P 120K | | |
| 430 | R604 | 5135-124522 | RES, CBN 1/2P 120K | | |
| 431 | R605 | 5135-221522 | RES, CBN 1/2P 220 | | |
| 431 | R606 | 5135-221522 | RES, CBN 1/2P 220 | | |
| 432 | R607 | 5135-122522 | RES, CBN 1/2P 1.2K | | |
| 432 | R608 | 5135-122522 | RES, CBN 1/2P 1.2K | | |
| 433 | R609 | 5135-220522 | RES, CBN 1/2P 22 | | |
| 433 | R610 | 5135-220522 | RES, CBN 1/2P 22 | | |
| 432 | R611 | 5135-122522 | RES, CBN 1/2P 1.2K | | |



| Ser.No | Ref. No. | Part No. | Description | Ser.No | Ref. No. | Part No. | Description |
|----------------------------------|----------|---------------|------------------------------|----------------------|----------|---------------|---------------------------------|
| 432 | R612 | 5135-122522 | RES, CBN 1/2P 1.2K | 411 | Q612 | 5613-2320L(F) | XISTOR, NPN R |
| 434 | R613 | 5135-223522 | RES, CBN 1/2P 22K | 448 | Q613 | 5612-941(P) | XISTOR, PNP A |
| 434 | R614 | 5135-223522 | RES, CBN 1/2P 22K | 447 | Q614 | 5614-1266(P) | XISTOR, NPN A |
| 435 | R615 | 5135-820522 | RES, CBN 1/2P 82 | 449 | Q615 | 5613-1740S(S) | XISTOR, NPN R |
| 435 | R616 | 5135-820522 | RES, CBN 1/2P 82 | 450 | Q616 | 5611-933S(S) | XISTOR, PNP R |
| 436 | R617 | 5135-121522 | RES, CBN 1/2P 120 | 832 | Q701 | 5613-2855(E) | XISTOR, NPN R |
| 436 | R618 | 5135-121522 | RES, CBN 1/2P 120 | 832 | Q702 | 5613-2855(E) | XISTOR, NPN R |
| 428 | R621 | 5135-821522 | RES, CBN 1/2P 820 | 832 | Q703 | 5613-2855(E) | XISTOR, NPN R |
| 428 | R622 | 5135-821522 | RES, CBN 1/2P 820 | 832 | Q704 | 5613-2855(E) | XISTOR, NPN R |
| 438 | R623 | 5135-393522 | RES, CBN 1/2P 39K | 833 | Q705 | 5613-2320L(F) | XISTOR, NPN R |
| 438 | R624 | 5135-393522 | RES, CBN 1/2P 39K | | | | |
| 439 | R625 | 5135-564522 | RES, CBN 1/2P 560K | | | | |
| 439 | R626 | 5135-564522 | RES, CBN 1/2P 560K | | | | |
| 440 | R627 | 5135-334522 | RES, CBN 1/2P 330K | | | | |
| 440 | R628 | 5135-334522 | RES, CBN 1/2P 330K | | | | |
| 441 | R629 | 5135-102522 | RES, CBN 1/2P 1K | | | | |
| 441 | R630 | 5135-102522 | RES, CBN 1/2P 1K | | | | |
| 443 | R631 | 5135-104522 | RES, CBN 1/2P 100K | | | | |
| 443 | R632 | 5135-104522 | RES, CBN 1/2P 100K | | | | |
| 444 | R633 | 5135-331522 | RES, CBN 1/2P 330 | | | | |
| 444 | R634 | 5135-331522 | RES, CBN 1/2P 330 | | | | |
| 442 | R635 | 5135-222522 | RES, CBN 1/2P 2.2K | | | | |
| 442 | R636 | 5135-222522 | RES, CBN 1/2P 2.2K | | | | |
| 452 | △ R637 | 5102-4705116 | RES, FUSE 47 | | | | |
| 452 | △ R638 | 5102-4705116 | RES, FUSE 47 | | | | |
| 454 | R639 | 5135-103522 | RES, CBN 1/2P 10K | | | | |
| 454 | R640 | 5135-103522 | RES, CBN 1/2P 10K | | | | |
| 453 | R641 | 5135-331522 | RES, CBN 1/2P 330 | | | | |
| 453 | R642 | 5135-331522 | RES, CBN 1/2P 330 | | | | |
| 055A | R644 | 5135-102522 | RES, CBN 1/2P 1K G GB | | | | |
| 055A | R645 | 5135-102522 | RES, CBN 1/2P 1K G GB | | | | |
| 055A | R646 | 5135-102522 | RES, CBN 1/2P 1K G GB | | | | |
| 055A | R647 | 5135-102522 | RES, CBN 1/2P 1K G GB | | | | |
| 442 | R681 | 5135-222522 | RES, CBN 1/2P 2.2K | | | | |
| 442 | R682 | 5135-222522 | RES, CBN 1/2P 2.2K | | | | |
| 841 | R701 | 5135-1R0522 | RES, CBN 1/2P 1 IB | | | | |
| 841A | R701 | 5135-100522 | RES, CBN 1/2P 10 G GB | | | | |
| 841 | R702 | 5135-1R0522 | RES, CBN 1/2P 1 IB | | | | |
| 841A | R702 | 5135-100522 | RES, CBN 1/2P 10 G GB | | | | |
| 844 | R703 | 5135-560522 | RES, CBN 1/2P 56 IB | | | | |
| 844A | R703 | 5135-470522 | RES, CBN 1/2P 47 G GB | | | | |
| 844 | R704 | 5135-560522 | RES, CBN 1/2P 56 IB | | | | |
| 844A | R704 | 5135-470522 | RES, CBN 1/2P 47 G GB | | | | |
| 847 | R705 | 5135-562522 | RES, CBN 1/2P 5.6K | | | | |
| 847 | R706 | 5135-562522 | RES, CBN 1/2P 5.6K | | | | |
| 846 | R707 | 5174-681381 | RES, MTL 1/4P 680 | | | | |
| 846 | R708 | 5174-681381 | RES, MTL 1/4P 680 | | | | |
| 845 | R709 | 5135-272522 | RES, CBN 1/2P 2.7K | | | | |
| 845 | R710 | 5135-272522 | RES, CBN 1/2P 2.7K | | | | |
| 843 | R711 | 5174-220381 | RES, MTL 1/4P 22 | | | | |
| 843 | R712 | 5174-220381 | RES, MTL 1/4P 22 | | | | |
| 842 | R713 | 5135-121522 | RES, CBN 1/2P 120 | | | | |
| 842 | R714 | 5135-121522 | RES, CBN 1/2P 120 | | | | |
| 842 | R715 | 5135-121522 | RES, CBN 1/2P 120 | | | | |
| 842 | R716 | 5135-121522 | RES, CBN 1/2P 120 | | | | |
| 840 | R717 | 5135-822522 | RES, CBN 1/2P 8.2K | | | | |
| 840 | R718 | 5135-822522 | RES, CBN 1/2P 8.2K | | | | |
| 849 | R719 | 5135-152522 | RES, CBN 1/2P 1.5K | | | | |
| TRANSISTORS | | | | DIODES | | | |
| 411 | Q601 | 5613-2320L(F) | XISTOR, NPN R | 451 | D601 | 5635-HZ18-2L | DIODE, ZENER |
| 411 | Q602 | 5613-2320L(F) | XISTOR, NPN R | 451 | D602 | 5635-HZ18-2L | DIODE, ZENER |
| 414 | Q603 | 5611-999L(F) | XISTOR, PNP R | 834 | D701 | 5635-HZ15-2L | DIODE, ZENER |
| 414 | Q604 | 5611-999L(F) | XISTOR, PNP R | | | | |
| 414 | Q605 | 5611-999L(F) | XISTOR, PNP R | | | | |
| 414 | Q606 | 5611-999L(F) | XISTOR, PNP R | | | | |
| 411 | Q607 | 5613-2320L(F) | XISTOR, NPN R | | | | |
| 411 | Q608 | 5613-2320L(F) | XISTOR, NPN R | | | | |
| 411 | Q609 | 5613-2320L(F) | XISTOR, NPN R | | | | |
| 411 | Q610 | 5613-2320L(F) | XISTOR, NPN R | | | | |
| 411 | Q611 | 5613-2320L(F) | XISTOR, NPN R | | | | |
| | | | | MISCELLANEOUS | | | |
| | | | | 753 | CW601 | 4163-0140039 | CONNECTOR W/W |
| | | | | 761 | CW602 | 4163-0118024 | CONNECTOR W/W |
| | | | | 737 | △ J2 | 4484-46 | PIN JACK, 4P, PHONO MM/MC |
| | | | | 739 | △ J6 | 4486-15 | PIN JACK, 6P, CD/TUNER/VIDEO |
| | | | | 768 | JL601 | 4242-R0503151 | JUMPER LEAD |
| | | | | 769 | JL602 | 4242-R0504181 | JUMPER LEAD |
| | | | | 770 | JL603 | 4242-R0507181 | JUMPER LEAD |
| | | | | 791 | JL604 | 4242-R0503181 | JUMPER LEAD |
| | | | | 065A | L701 | 5597-45502 | CORE, BEADS G GB |
| | | | | 065A | L702 | 5597-45502 | CORE, BEADS G GB |
| | | | | 065A | L703 | 5597-45502 | CORE, BEADS G GB |
| | | | | 065A | L704 | 5597-45502 | CORE, BEADS G GB |
| | | | | 074A | LCN601 | 4132-R0102800 | CORD, 2C G GB |
| | | | | 733 | SW7 | 4431-S0315102 | SWITCH, PUSH, CARTRIDGE |
| | | | | 773 | | 2240-Z072 | HOLDER, JL603 |
| | | | | 855 | | 2240-Z042 | HOLDER, JL602 |
| | | | | 857 | | 2240-Z032 | HOLDER, JL601, 604 |
| PCB-7 PIN JACK P.C. BOARD | | | | | | | |
| | | | | CAPACITORS | | | |
| | | | | 069A | C57 | 5359-1015851 | CAP, PPP 100p G GB |
| | | | | 069A | C58 | 5359-1015851 | CAP, PPP 100p G GB |
| | | | | 069A | C59 | 5359-1015851 | CAP, PPP 100p G GB |
| | | | | 069A | C60 | 5359-1015851 | CAP, PPP 100p G GB |
| | | | | 069A | C61 | 5359-1015851 | CAP, PPP 100p G GB |
| | | | | 069A | C62 | 5359-1015851 | CAP, PPP 100p G GB |
| | | | | 069A | C77 | 5359-1015851 | CAP, PPP 100p G GB |
| | | | | 069A | C78 | 5359-1015851 | CAP, PPP 100p G GB |
| | | | | 069A | C79 | 5359-1015851 | CAP, PPP 100p G GB |
| | | | | 069A | C80 | 5359-1015851 | CAP, PPP 100p G GB |
| | | | | 069A | C81 | 5359-1015851 | CAP, PPP 100p G GB |
| | | | | 069A | C82 | 5359-1015851 | CAP, PPP 100p G GB |
| | | | | RESISTORS | | | |
| | | | | 058A | R832 | 5135-102522 | RES, CBN 1/2P 1K G GB |
| | | | | 058A | R833 | 5135-102522 | RES, CBN 1/2P 1K G GB |
| | | | | 058A | R834 | 5135-102522 | RES, CBN 1/2P 1K G GB |
| | | | | 058A | R835 | 5135-102522 | RES, CBN 1/2P 1K G GB |
| | | | | 058A | R836 | 5135-102522 | RES, CBN 1/2P 1K G GB |
| | | | | 058A | R837 | 5135-102522 | RES, CBN 1/2P 1K G GB |
| | | | | 058A | R838 | 5135-102522 | RES, CBN 1/2P 1K G GB |
| | | | | 058A | R839 | 5135-102522 | RES, CBN 1/2P 1K G GB |
| | | | | 058A | R840 | 5135-102522 | RES, CBN 1/2P 1K G GB |
| | | | | 058A | R841 | 5135-102522 | RES, CBN 1/2P 1K G GB |
| | | | | 058A | R842 | 5135-102522 | RES, CBN 1/2P 1K G GB |
| | | | | 058A | R843 | 5135-102522 | RES, CBN 1/2P 1K G GB |
| | | | | MISCELLANEOUS | | | |
| | | | | 738 | △ J3 | 4489-01001004 | PIN JACK, MLT, EXTERNAL PROCES- |
| | | | | | | | SOR IN/OUT |
| | | | | 738 | △ J4 | 4489-01001004 | PIN JACK, MLT, TAPE 1 IN/OUT |

| Ser.No | Ref. No. | Part No. | Description |
|--------|----------|---------------|------------------------------|
| 738 | △ J5 | 4489-01001004 | PIN JACK, MLT, TAPE 2 IN/OUT |
| 766 | JL803 | 4242-R0505351 | JUMPER LEAD |
| 767 | JL804 | 4242-R0507351 | JUMPER LEAD |
| 767 | JL805 | 4242-R0507351 | JUMPER LEAD |
| 772 | | 2240-Z072 | HOLDER, JL804, 805 |
| 853 | | 2240-Z052 | HOLDER, JL803 |

PCB-8 POWER SWITCH P.C. BOARD

| CAPACITOR | | | |
|---------------|-------|---------------|----------------------|
| 667A | △ C1 | 5352-1030958 | CAP, MTL .01μ |
| RESISTORS | | | |
| 662 | R47 | 5135-471522 | RES, CBN 1/2P 470 |
| 054A | △ R52 | 5135-335522 | RES, CBN 1/2P 3.3M |
| MISCELLANEOUS | | | |
| 685A | △ F1 | 5732-202030 | FUSE, 250V/T2A |
| 684 | △ HF1 | 4472-04501 | HOLDER, FUSE, F1 |
| 684 | △ HF2 | 4472-04501 | HOLDER, FUSE, F1 |
| 796 | JL101 | 4242-R0203141 | JUMPER LEAD |
| 732 | △ SW1 | 4433-00401 | SWITCH, PU-PW, POWER |
| 675 | △ TM1 | 4214-122 | TERMINAL |
| 675 | △ TM3 | 4214-122 | TERMINAL |
| 851 | | 2240-Z032 | HOLDER, JL101 |

PCB-9 TONE CONTROL P.C. BOARD

| CAPACITORS | | | |
|------------|------|---------------|---|
| 073A | C55 | 5359-1015851 | CAP, PPP 100p  |
| 073A | C56 | 5359-1015851 | CAP, PPP 100p  |
| 484 | C501 | 5359-1015851 | CAP, PPP 100p |
| 484 | C502 | 5359-1015851 | CAP, PPP 100p |
| 480 | C507 | 5345-S19DM475 | CAP, MINI ELE 4.7μ/25V |
| 480 | C508 | 5345-S19DM475 | CAP, MINI ELE 4.7μ/25V |
| 487 | C511 | 5353-010933 | CAP, MCA 1p |
| 487 | C512 | 5353-010933 | CAP, MCA 1p |
| 481 | C513 | 5345-155F0951 | CAP, MINI ELE 1.5μ/50V |
| 481 | C514 | 5345-155F0951 | CAP, MINI ELE 1.5μ/50V |
| 488 | C515 | 5359-4715851 | CAP, PPP 470p |
| 488 | C516 | 5359-4715851 | CAP, PPP 470p |
| 478 | C517 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V |
| 478 | C518 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V |
| 482 | C519 | 5345-S19CM476 | CAP, MINI ELE 47μ/16V |
| 482 | C520 | 5345-S19CM476 | CAP, MINI ELE 47μ/16V |
| 497 | C521 | 5354-822J1HM | CAP, MYL 8200p |
| 497 | C522 | 5354-822J1HM | CAP, MYL 8200p |
| 498 | C523 | 5354-563J1HM | CAP, MYL .056μ |
| 498 | C524 | 5354-563J1HM | CAP, MYL .056μ |
| 499 | C525 | 5354-823J1HM | CAP, MYL .082μ |
| 499 | C526 | 5354-823J1HM | CAP, MYL .082μ |
| 491 | C527 | 5354-334593 | CAP, MYL .33μ |
| 491 | C528 | 5354-334593 | CAP, MYL .33μ |
| 479 | C535 | 5345-227D041 | CAP, MINI ELE 220μ/25V |
| 479 | C536 | 5345-227D041 | CAP, MINI ELE 220μ/25V |
| 479 | C537 | 5345-227D041 | CAP, MINI ELE 220μ/25V |
| 479 | C538 | 5345-227D041 | CAP, MINI ELE 220μ/25V |
| 492 | C541 | 5354-394593 | CAP, MYL .39μ |
| 492 | C542 | 5354-394593 | CAP, MYL .39μ |
| RESISTORS | | | |
| 507 | R501 | 5135-331522 | RES, CBN 1/2P 330 |
| 507 | R502 | 5135-331522 | RES, CBN 1/2P 330 |
| 503 | R505 | 5135-224522 | RES, CBN 1/2P 220K |
| 503 | R506 | 5135-224522 | RES, CBN 1/2P 220K |
| 502 | R507 | 5135-394522 | RES, CBN 1/2P 390K |
| 502 | R508 | 5135-394522 | RES, CBN 1/2P 390K |
| 514 | R515 | 5135-183522 | RES, CBN 1/2P 18K |

| Ser.No | Ref. No. | Part No. | Description |
|--------|----------|-------------|--------------------|
| 514 | R516 | 5135-183522 | RES, CBN 1/2P 18K |
| 507 | R517 | 5135-331522 | RES, CBN 1/2P 330 |
| 507 | R518 | 5135-331522 | RES, CBN 1/2P 330 |
| 504 | R519 | 5135-473522 | RES, CBN 1/2P 47K |
| 504 | R520 | 5135-473522 | RES, CBN 1/2P 47K |
| 505 | R521 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 505 | R522 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 505 | R523 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 505 | R524 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 506 | R525 | 5135-471522 | RES, CBN 1/2P 470 |
| 506 | R526 | 5135-471522 | RES, CBN 1/2P 470 |
| 506 | R527 | 5135-471522 | RES, CBN 1/2P 470 |
| 506 | R528 | 5135-471522 | RES, CBN 1/2P 470 |
| 507 | R529 | 5135-331522 | RES, CBN 1/2P 330 |
| 507 | R530 | 5135-331522 | RES, CBN 1/2P 330 |
| 508 | R531 | 5135-222522 | RES, CBN 1/2P 2.2K |
| 508 | R532 | 5135-222522 | RES, CBN 1/2P 2.2K |
| 508 | R533 | 5135-222522 | RES, CBN 1/2P 2.2K |
| 508 | R534 | 5135-222522 | RES, CBN 1/2P 2.2K |
| 509 | R535 | 5135-274522 | RES, CBN 1/2P 270K |
| 509 | R536 | 5135-274522 | RES, CBN 1/2P 270K |
| 510 | R537 | 5135-153522 | RES, CBN 1/2P 15K |
| 510 | R538 | 5135-153522 | RES, CBN 1/2P 15K |
| 507 | R539 | 5135-331522 | RES, CBN 1/2P 330 |
| 507 | R540 | 5135-331522 | RES, CBN 1/2P 330 |
| 507 | R541 | 5135-331522 | RES, CBN 1/2P 330 |
| 507 | R542 | 5135-331522 | RES, CBN 1/2P 330 |
| 515 | R545 | 5135-271522 | RES, CBN 1/2P 270 |
| 515 | R546 | 5135-271522 | RES, CBN 1/2P 270 |
| 513 | R549 | 5135-822522 | RES, CBN 1/2P 8.2K |
| 513 | R550 | 5135-822522 | RES, CBN 1/2P 8.2K |
| 512 | R551 | 5135-152522 | RES, CBN 1/2P 1.5K |
| 512 | R552 | 5135-152522 | RES, CBN 1/2P 1.5K |
| 516 | R553 | 5135-563522 | RES, CBN 1/2P 56K |
| 516 | R554 | 5135-563522 | RES, CBN 1/2P 56K |
| 501 | R559 | 5135-331522 | RES, CBN 1/2P 330 |
| 501 | R560 | 5135-331522 | RES, CBN 1/2P 330 |

TRANSISTORS

| | | | |
|-----|------|---------------|---------------|
| 471 | Q501 | 5613-2320L(F) | XISTOR, NPN R |
| 471 | Q502 | 5613-2320L(F) | XISTOR, NPN R |
| 471 | Q503 | 5613-2320L(F) | XISTOR, NPN R |
| 471 | Q504 | 5613-2320L(F) | XISTOR, NPN R |
| 471 | Q505 | 5613-2320L(F) | XISTOR, NPN R |
| 471 | Q506 | 5613-2320L(F) | XISTOR, NPN R |
| 471 | Q507 | 5613-2320L(F) | XISTOR, NPN R |
| 471 | Q508 | 5613-2320L(F) | XISTOR, NPN R |
| 473 | Q509 | 5611-999L(F) | XISTOR, PNP R |
| 473 | Q510 | 5611-999L(F) | XISTOR, PNP R |
| 476 | Q511 | 5613-2320L(F) | XISTOR, NPN R |
| 476 | Q512 | 5613-2320L(F) | XISTOR, NPN R |
| 473 | Q513 | 5611-999L(F) | XISTOR, PNP R |
| 473 | Q514 | 5611-999L(F) | XISTOR, PNP R |
| 475 | Q515 | 5612-646A(C) | XISTOR, PNP A |
| 475 | Q516 | 5612-646A(C) | XISTOR, PNP A |
| 474 | Q517 | 5614-666A(C) | XISTOR, NPN A |
| 474 | Q518 | 5614-666A(C) | XISTOR, NPN A |

DIODES

| | | | |
|-----|------|-------------|------------|
| 477 | D501 | 5631-1S2473 | DIODE, DET |
| 477 | D502 | 5631-1S2473 | DIODE, DET |

CONTROLS

| | | | |
|-----|-----------|---------------|----------------------------|
| 720 | VR501/502 | 5113-S1501503 | RES, V CBN 16 50K, BALANCE |
| 714 | VR505/506 | 5113-10420122 | RES, V CBN 16 100K, BASS |
| 717 | VR507/508 | 5113-50321122 | RES, V CBN 16 50K, TREBLE |

Ser.No Ref. No. Part No. Description

MISCELLANEOUS

| | | | |
|-----|-------|---------------|---------------|
| 703 | CN501 | 4443-030185 | CONNECTOR |
| 793 | JL501 | 4242-R0504121 | JUMPER LEAD |
| 794 | JL502 | 4242-R0203500 | JUMPER LEAD |
| 795 | JL503 | 4242-R0507181 | JUMPER LEAD |
| 850 | | 2240-Z072 | HOLDER, JL503 |
| 854 | | 2240-Z042 | HOLDER, JL501 |
| 859 | | 2240-Z031 | HOLDER, W502 |
| 860 | | 2240-Z051 | HOLDER, W501 |

PCB-10 BASSCON P.C. BOARD**CAPACITORS**

| | | | |
|-----|------|---------------|------------------------|
| 806 | C921 | 5345-S19FM104 | CAP, MINI ELE .1μ/50V |
| 806 | C922 | 5345-S19FM104 | CAP, MINI ELE .1μ/50V |
| 810 | C923 | 5354-154593 | CAP, MYL .15μ |
| 810 | C924 | 5354-154593 | CAP, MYL .15μ |
| 808 | C925 | 5345-107D041 | CAP, MINI ELE 100μ/25V |
| 808 | C926 | 5345-107D041 | CAP, MINI ELE 100μ/25V |
| 811 | C927 | 5354-334593 | CAP, MYL .33μ |
| 811 | C928 | 5354-334593 | CAP, MYL .33μ |
| 807 | C929 | 5345-S19FM474 | CAP, MINI ELE .47μ/50V |
| 807 | C930 | 5345-S19FM474 | CAP, MINI ELE .47μ/50V |
| 807 | C931 | 5345-S19FM474 | CAP, MINI ELE .47μ/50V |
| 807 | C932 | 5345-S19FM474 | CAP, MINI ELE .47μ/50V |
| 812 | C963 | 5354-474593 | CAP, MYL .47μ |
| 812 | C964 | 5354-474593 | CAP, MYL .47μ |
| 809 | C981 | 5345-227D041 | CAP, MINI ELE 220μ/25V |
| 809 | C982 | 5345-227D041 | CAP, MINI ELE 220μ/25V |
| 809 | C983 | 5345-227D041 | CAP, MINI ELE 220μ/25V |
| 809 | C984 | 5345-227D041 | CAP, MINI ELE 220μ/25V |

RESISTORS

| | | | |
|-----|--------|--------------|--------------------|
| 814 | R921 | 5135-471522 | RES, CBN 1/2P 470 |
| 814 | R922 | 5135-471522 | RES, CBN 1/2P 470 |
| 816 | R927 | 5135-104522 | RES, CBN 1/2P 100K |
| 816 | R928 | 5135-104522 | RES, CBN 1/2P 100K |
| 817 | R929 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 817 | R930 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 817 | R931 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 817 | R932 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 818 | R933 | 5135-183522 | RES, CBN 1/2P 18K |
| 818 | R934 | 5135-183522 | RES, CBN 1/2P 18K |
| 819 | R935 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 819 | R936 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 820 | R937 | 5135-562522 | RES, CBN 1/2P 5.6K |
| 820 | R938 | 5135-562522 | RES, CBN 1/2P 5.6K |
| 817 | R939 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 817 | R940 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 817 | R941 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 817 | R942 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 825 | R943 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 825 | R944 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 821 | R945 | 5135-331522 | RES, CBN 1/2P 330 |
| 821 | R946 | 5135-331522 | RES, CBN 1/2P 330 |
| 823 | R947 | 5135-221522 | RES, CBN 1/2P 220 |
| 823 | R948 | 5135-221522 | RES, CBN 1/2P 220 |
| 821 | R949 | 5135-331522 | RES, CBN 1/2P 330 |
| 821 | R950 | 5135-331522 | RES, CBN 1/2P 330 |
| 822 | R951 | 5135-104522 | RES, CBN 1/2P 100K |
| 822 | R952 | 5135-104522 | RES, CBN 1/2P 100K |
| 824 | R953 | 5135-682522 | RES, CBN 1/2P 6.8K |
| 830 | △ R954 | 5102-4705116 | RES, FUSE 47 |
| 824 | R956 | 5135-682522 | RES, CBN 1/2P 6.8K |
| 830 | △ R957 | 5102-4705116 | RES, FUSE 47 |

TRANSISTORS

| | | | |
|-----|------|---------------|---------------|
| 801 | Q901 | 5613-2240(BL) | XISTOR, NPN R |
| 813 | Q902 | 5613-2240(BL) | XISTOR, NPN R |
| 802 | Q903 | 5611-970(BL) | XISTOR, PNP R |

Ser.No Ref. No. Part No. Description

| | | | |
|-----|------|----------------|---------------|
| 802 | Q904 | 5611-970(BL) | XISTOR, PNP R |
| 801 | Q905 | 5613-2240(BL) | XISTOR, NPN R |
| 801 | Q906 | 5613-2240(BL) | XISTOR, NPN R |
| 804 | Q907 | 5612-647(C) | XISTOR, PNP A |
| 803 | Q908 | 5614-667(C) | XISTOR, NPN A |
| 828 | Q911 | 5616-2SK246(Y) | FET, N-CH |
| 828 | Q912 | 5616-2SK246(Y) | FET, N-CH |

DIODES

| | | | |
|-----|------|--------------|--------------|
| 805 | D901 | 5635-HZ12B2L | DIODE, ZENER |
| 805 | D902 | 5635-HZ12B2L | DIODE, ZENER |

MISCELLANEOUS

| | | | |
|-----|-------|---------------|---|
| 699 | CN901 | 4443-070185 | CONNECTOR |
| 700 | CN902 | 4443-050185 | CONNECTOR |
| 701 | CN903 | 4443-030185 | CONNECTOR |
| 701 | CN904 | 4443-030185 | CONNECTOR |
| 755 | CW901 | 4163-0125039 | CONNECTOR W/W |
| 792 | JL901 | 4242-R0504251 | JUMPER LEAD |
| 731 | SW6 | 4431-04127170 | SWITCH, PUSH, PHASE CORRECT LOUDNESS/SUBSONIC/MONO EXTERNAL PROCESSOR |
| 856 | | 2240-Z042 | HOLDER, JL901 |

PCB-11 FUNCTION P.C. BOARD**MISCELLANEOUS**

| | | | |
|-----|-------|---------------|------------------------------|
| 702 | CN502 | 4443-030185 | CONNECTOR |
| 754 | CW501 | 4163-0113039 | CONNECTOR W/W |
| 723 | SW3 | 4411-00214204 | SWITCH, ROTARY, SOURCE |
| 726 | SW4 | 4411-00213404 | SWITCH, ROTARY, TAPE MONITOR |

PCB-12 MAIN VOLUME P.C. BOARD**RESISTORS**

| | | | |
|-----|------|-------------|--------------------|
| 523 | R571 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 523 | R572 | 5135-472522 | RES, CBN 1/2P 4.7K |

CONTROLS

| | | | |
|-----|---------------|---------------|----------------------------|
| 711 | VR503/ 504 | 5113-10419122 | RES, V CBN 16 100K, VOLUME |
|-----|---------------|---------------|----------------------------|

MISCELLANEOUS

| | | | |
|-----|--|-----------|--------------------|
| 858 | | 2240-Z031 | HOLDER, W-401, 402 |
|-----|--|-----------|--------------------|

PCB-13 BIAS (LCH) P.C. BOARD**RESISTORS**

| | | | |
|-----|-------|-------------|--------------------|
| 607 | R801L | 5135-222522 | RES, CBN 1/2P 2.2K |
| 601 | R802L | 5135-122522 | RES, CBN 1/2P 1.2K |

TRANSISTOR

| | | | |
|-----|-------|--------------|---------------|
| 551 | Q801L | 5613-2682(Q) | XISTOR, NPN R |
|-----|-------|--------------|---------------|

PCB-14 BIAS (RCH) P.C. BOARD**RESISTORS**

| | | | |
|-----|-------|-------------|--------------------|
| 607 | R801R | 5135-222522 | RES, CBN 1/2P 2.2K |
| 601 | R802R | 5135-122522 | RES, CBN 1/2P 1.2K |

TRANSISTOR

| | | | |
|-----|-------|--------------|---------------|
| 551 | Q801R | 5613-2682(Q) | XISTOR, NPN R |
|-----|-------|--------------|---------------|

Ser.No Ref. No. Part No. Description

CHASSIS MISCELLANEOUS**CAPACITORS**

| | | | |
|------|----|---------------|--------------|
| 689A | C2 | 5352-S060K104 | CAP, MTL .1U |
| 689A | C3 | 5352-S060K104 | CAP, MTL .1U |

MISCELLANEOUS

| | | | |
|------|---------|------------|-----------------------------|
| 052A | △ CO1 | 4443-712 | CONNECTOR |
| 062A | LUG | 4211-4 | LUG (X3) G GB |
| 560 | LUG | 4211-4 | LUG, CHASSIS EARTH |
| 745A | △ P1 | 4161-7256 | CORD W/PLUG |
| 051A | △ SW101 | 4467-012 | SWITCH, VOLTAGE SELECTOR |
| 683A | △ T1 | 5584-T0705 | XFORMER, POWER |
| 053A | △ | 4150-8 | TUBING, SPE |

PACKING PARTS LIST

| | | |
|-----|---------------|------------------------------------|
| 021 | 1756-06304 | LABEL, 230V/50Hz |
| 022 | 1756-03124 | LABEL (G), (X2) G GB |
| 022 | 1756-03108 | LABEL (I), (X2) IB |
| 107 | 1111-0280J152 | OWNER GUIDE |
| 121 | 1241-R0123351 | POLYETHY BAG, OG |
| 122 | 1241-R0160601 | POLYETHY BAG, SET |
| 124 | 1221-837167 | CARTON BOX G |
| 124 | 1221-847167 | CARTON BOX GB IB |
| 125 | 1222-7331 | CUSHION, L |
| 126 | 1222-7332 | CUSHION, R |
| 127 | 1223-11729 | SOFT SHEET |

ABBREVIATIONS IN PARTS LIST**CAPACITORS**

| | |
|---------------|------------------------|
| CAP, MINI ELE | : Electrolytic |
| CAP, CER | : Ceramic |
| CAP, PPP | : Polypropylene |
| CAP, MYL | : Mylar |
| CAP, MCA | : Mica |
| CAP, MINI BP | : Bipolar |
| CAP, ELE BP | : Electrolytic Bipolar |
| CAP, STY | : Polystyrene Film |
| CAP, SPE | : Special |
| CAP, TAN | : Tantalum |

| | |
|-------|-----------|
| 470μ | : 470μF |
| 6800p | : 6800pF |
| .047μ | : 0.047μF |

RESISTORS

| | |
|---------------|---------------|
| RES, CBN 1/6P | : Carbon 1/6W |
| RES, FUSE | : Fuse |
| RES, CEM 5P | : Cement 5W |
| RES, MTL 1P | : Metal 1W |
| 2.2K | : 2.2KΩ |
| 220 | : 220Ω |

TRANSISTORS

| | |
|--------|---------------------------|
| XISTOR | : Transistor |
| FET | : Field Effect Transistor |

CONTROLS

| | |
|---------------|----------------------------|
| RES, V CBN | : Variable Carbon Resistor |
| RES, SEMI FIX | : Semi-fixed Resistor |

NOTE

| | |
|---|---|
|  | SAFETY RELATED COMPONENT. USE ONLY EXACT REPLACEMENT PART AS SPECIFIED. |
|---|---|

| Ser.No | Ref. No. | Part No. | Description |
|----------------------|----------|---------------|---------------|
| MISCELLANEOUS | | | |
| 703 | CN501 | 4443-030185 | CONNECTOR |
| 793 | JL501 | 4242-R0504121 | JUMPER LEAD |
| 794 | JL502 | 4242-R0203500 | JUMPER LEAD |
| 795 | JL503 | 4242-R0507181 | JUMPER LEAD |
| 850 | | 2240-Z072 | HOLDER, JL503 |
| 854 | | 2240-Z042 | HOLDER, JL501 |
| 859 | | 2240-Z031 | HOLDER, W502 |
| 860 | | 2240-Z051 | HOLDER, W501 |

PCB-10 BASSCON P.C. BOARD

| | | | |
|-------------------|------|---------------|------------------------------|
| CAPACITORS | | | |
| 806 | C921 | 5345-S19FM104 | CAP, MINI ELE .1 μ 50V |
| 806 | C922 | 5345-S19FM104 | CAP, MINI ELE .1 μ 50V |
| 810 | C923 | 5354-154593 | CAP, MYL .15 μ |
| 810 | C924 | 5354-154593 | CAP, MYL .15 μ |
| 808 | C925 | 5345-107D041 | CAP, MINI ELE 100 μ /25V |
| 808 | C926 | 5345-107D041 | CAP, MINI ELE 100 μ /25V |
| 811 | C927 | 5354-334593 | CAP, MYL .33 μ |
| 811 | C928 | 5354-334593 | CAP, MYL .33 μ |
| 807 | C929 | 5345-S19FM474 | CAP, MINI ELE .47 μ 50V |
| 807 | C930 | 5345-S19FM474 | CAP, MINI ELE .47 μ 50V |
| 807 | C931 | 5345-S19FM474 | CAP, MINI ELE .47 μ 50V |
| 807 | C932 | 5345-S19FM474 | CAP, MINI ELE .47 μ 50V |
| 812 | C963 | 5354-474593 | CAP, MYL .47 μ |
| 812 | C964 | 5354-474593 | CAP, MYL .47 μ |
| 809 | C981 | 5345-227D041 | CAP, MINI ELE 220 μ /25V |
| 809 | C982 | 5345-227D041 | CAP, MINI ELE 220 μ /25V |
| 809 | C983 | 5345-227D041 | CAP, MINI ELE 220 μ /25V |
| 809 | C984 | 5345-227D041 | CAP, MINI ELE 220 μ /25V |

| | | | |
|------------------|--------|--------------|--------------------|
| RESISTORS | | | |
| 814 | R921 | 5135-471522 | RES, CBN 1/2P 470 |
| 814 | R922 | 5135-471522 | RES, CBN 1/2P 470 |
| 816 | R927 | 5135-104522 | RES, CBN 1/2P 100K |
| 816 | R928 | 5135-104522 | RES, CBN 1/2P 100K |
| 817 | R929 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 817 | R930 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 817 | R931 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 817 | R932 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 818 | R933 | 5135-183522 | RES, CBN 1/2P 18K |
| 818 | R934 | 5135-183522 | RES, CBN 1/2P 18K |
| 819 | R935 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 819 | R936 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 820 | R937 | 5135-562522 | RES, CBN 1/2P 5.6K |
| 820 | R938 | 5135-562522 | RES, CBN 1/2P 5.6K |
| 817 | R939 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 817 | R940 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 817 | R941 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 817 | R942 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 825 | R943 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 825 | R944 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 821 | R945 | 5135-331522 | RES, CBN 1/2P 330 |
| 821 | R946 | 5135-331522 | RES, CBN 1/2P 330 |
| 823 | R947 | 5135-221522 | RES, CBN 1/2P 220 |
| 823 | R948 | 5135-221522 | RES, CBN 1/2P 220 |
| 821 | R949 | 5135-331522 | RES, CBN 1/2P 330 |
| 821 | R950 | 5135-331522 | RES, CBN 1/2P 330 |
| 822 | R951 | 5135-104522 | RES, CBN 1/2P 100K |
| 822 | R952 | 5135-104522 | RES, CBN 1/2P 100K |
| 824 | R953 | 5135-682522 | RES, CBN 1/2P 6.8K |
| 830 | △ R954 | 5102-4705116 | RES, FUSE 47 |
| 824 | R956 | 5135-682522 | RES, CBN 1/2P 6.8K |
| 830 | △ R957 | 5102-4705116 | RES, FUSE 47 |

| | | | |
|--------------------|------|---------------|---------------|
| TRANSISTORS | | | |
| 801 | Q901 | 5613-2240(BL) | XISTOR, NPN R |
| 813 | Q902 | 5613-2240(BL) | XISTOR, NPN R |
| 802 | Q903 | 5611-970(BL) | XISTOR, PNP R |

| Ser.No | Ref. No. | Part No. | Description |
|--------|----------|----------------|---------------|
| 802 | Q904 | 5611-970(BL) | XISTOR, PNP R |
| 801 | Q905 | 5613-2240(BL) | XISTOR, NPN R |
| 801 | Q906 | 5613-2240(BL) | XISTOR, NPN R |
| 804 | Q907 | 5612-647(C) | XISTOR, PNP A |
| 803 | Q908 | 5614-667(C) | XISTOR, NPN A |
| 828 | Q911 | 5616-2SK246(Y) | FET, N-CH |
| 828 | Q912 | 5616-2SK246(Y) | FET, N-CH |

DIODES

| | | | |
|-----|------|--------------|--------------|
| 805 | D901 | 5635-HZ12B2L | DIODE, ZENER |
| 805 | D902 | 5635-HZ12B2L | DIODE, ZENER |

MISCELLANEOUS

| | | | |
|-----|-------|---------------|---|
| 699 | CN901 | 4443-070185 | CONNECTOR |
| 700 | CN902 | 4443-050185 | CONNECTOR |
| 701 | CN903 | 4443-030185 | CONNECTOR |
| 701 | CN904 | 4443-030185 | CONNECTOR |
| 755 | CW901 | 4163-0125039 | CONNECTOR W/W |
| 792 | JL901 | 4242-R0504251 | JUMPER LEAD |
| 731 | SW6 | 4431-04127170 | SWITCH, PUSH, PHASE CORRECT LOUDNESS/SUBSONIC/MONO EXTERNAL PROCESSOR |
| 856 | | 2240-Z042 | HOLDER, JL901 |

PCB-11 FUNCTION P.C. BOARD

MISCELLANEOUS

| | | | |
|-----|-------|---------------|------------------------------|
| 702 | CN502 | 4443-030185 | CONNECTOR |
| 754 | CW501 | 4163-0113039 | CONNECTOR W/W |
| 723 | SW3 | 4411-00214204 | SWITCH, ROTARY, SOURCE |
| 726 | SW4 | 4411-00213404 | SWITCH, ROTARY, TAPE MONITOR |

PCB-12 MAIN VOLUME P.C. BOARD

RESISTORS

| | | | |
|-----|------|-------------|--------------------|
| 523 | R571 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 523 | R572 | 5135-472522 | RES, CBN 1/2P 4.7K |

CONTROLS

| | | | |
|-----|---------------|---------------|----------------------------|
| 711 | VR503/ 504 | 5113-10419122 | RES, V CBN 16 100K, VOLUME |
|-----|---------------|---------------|----------------------------|

MISCELLANEOUS

| | | | |
|-----|--|-----------|--------------------|
| 858 | | 2240-Z031 | HOLDER, W-401, 402 |
|-----|--|-----------|--------------------|

PCB-13 BIAS (LCH) P.C. BOARD

RESISTORS

| | | | |
|-----|-------|-------------|--------------------|
| 607 | R801L | 5135-222522 | RES, CBN 1/2P 2.2K |
| 601 | R802L | 5135-122522 | RES, CBN 1/2P 1.2K |

TRANSISTOR

| | | | |
|-----|-------|--------------|---------------|
| 551 | Q801L | 5613-2682(Q) | XISTOR, NPN R |
|-----|-------|--------------|---------------|

PCB-14 BIAS (RCH) P.C. BOARD

RESISTORS

| | | | |
|-----|-------|-------------|--------------------|
| 607 | R801R | 5135-222522 | RES, CBN 1/2P 2.2K |
| 601 | R802R | 5135-122522 | RES, CBN 1/2P 1.2K |

TRANSISTOR

| | | | |
|-----|-------|--------------|---------------|
| 551 | Q801R | 5613-2682(Q) | XISTOR, NPN R |
|-----|-------|--------------|---------------|

Ser.No Ref. No. Part No. Description

CHASSIS MISCELLANEOUS

CAPACITORS

| | | | |
|------|----|---------------|--------------|
| 689A | C2 | 5352-S060K104 | CAP, MTL .1U |
| 689A | C3 | 5352-S060K104 | CAP, MTL .1U |

MISCELLANEOUS

| | | | |
|------|---------|------------|-----------------------------|
| 052A | △ CO1 | 4443-712 | CONNECTOR |
| 062A | LUG | 4211-4 | LUG (X3) G GB |
| 560 | LUG | 4211-4 | LUG, CHASSIS EARTH |
| 745A | △ P1 | 4161-7256 | CORD W/PLUG |
| 051A | △ SW101 | 4467-012 | SWITCH, VOLTAGE SELECTOR |
| 683A | △ T1 | 5584-T0705 | XFORMER, POWER |
| 053A | △ | 4150-8 | TUBING, SPE |

PACKING PARTS LIST

| | | |
|-----|---------------|------------------------------------|
| 021 | 1756-06304 | LABEL, 230V/50Hz |
| 022 | 1756-03124 | LABEL (G), (X2) G GB |
| 022 | 1756-03108 | LABEL (I), (X2) IB |
| 107 | 1111-0280J152 | OWNER GUIDE |
| 121 | 1241-R0123351 | POLYETHY BAG, OG |
| 122 | 1241-R0160601 | POLYETHY BAG, SET |
| 124 | 1221-837167 | CARTON BOX G |
| 124 | 1221-847167 | CARTON BOX GB IB |
| 125 | 1222-7331 | CUSHION, L |
| 126 | 1222-7332 | CUSHION, R |
| 127 | 1223-11729 | SOFT SHEET |

ABBREVIATIONS IN PARTS LIST

CAPACITORS

CAP, MINI ELE : Electrolytic
 CAP, CER : Ceramic
 CAP, PPP : Polypropylene
 CAP, MYL : Mylar
 CAP, MCA : Mica
 CAP, MINI BP : Bipolar
 CAP, ELE BP : Electrolytic Bipolar
 CAP, STY : Polystyrene Film
 CAP, SPE : Special
 CAP, TAN : Tantalum

470μ : 470μF
 6800p : 6800pF
 .047μ : 0.047μF

RESISTORS

RES, CBN 1/6P : Carbon 1/6W
 RES, FUSE : Fuse
 RES, CEM 5P : Cement 5W
 RES, MTL 1P : Metal 1W
 2.2K : 2.2KΩ
 220 : 220Ω

TRANSISTORS

XISTOR : Transistor
 FET : Field Effect Transistor

CONTROLS

RES, V CBN : Variable Carbon Resistor
 RES, SEMI FIX : Semi-fixed Resistor

NOTE

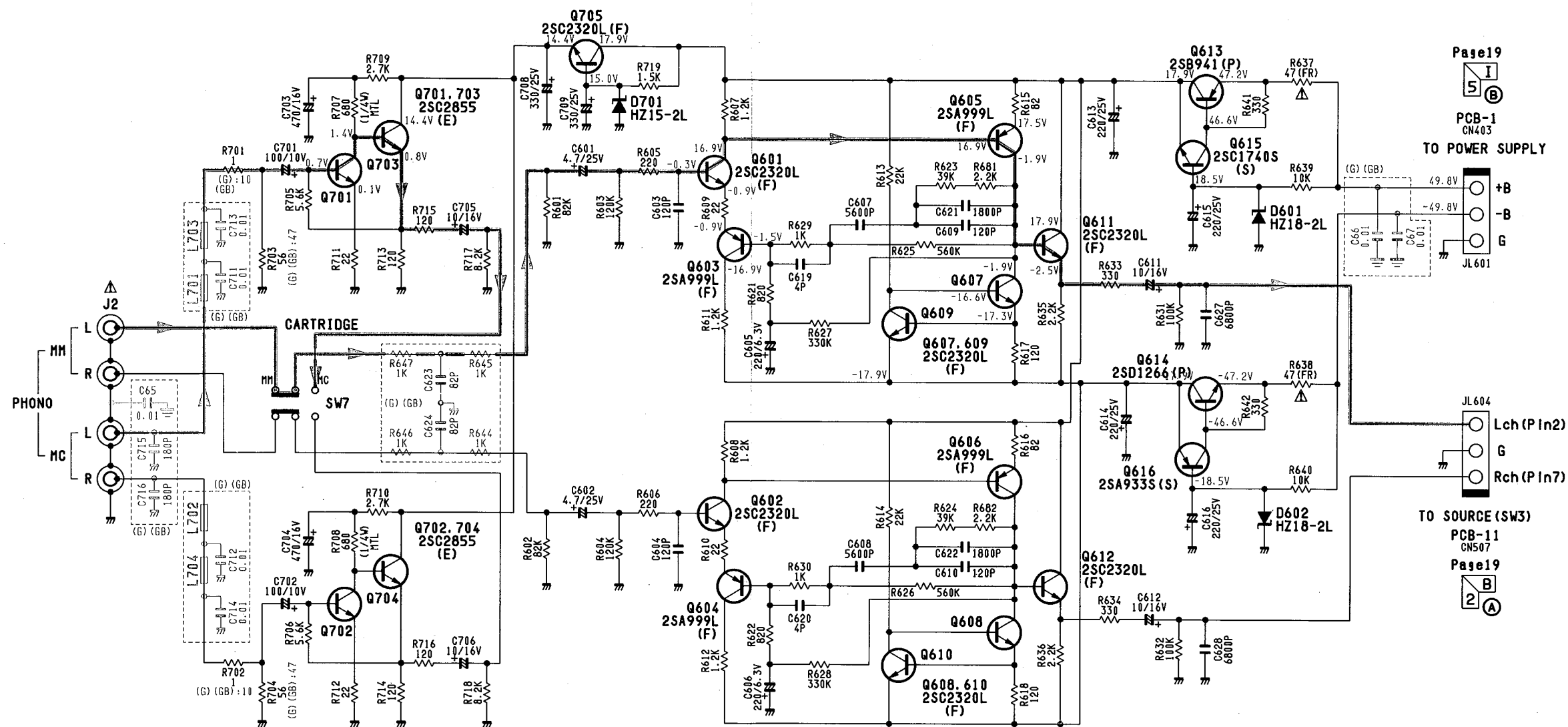


SAFETY RELATED COMPONENT. USE ONLY EXACT REPLACEMENT PART AS SPECIFIED.

SCHEMATIC DIAGRAM (PHONO AMP SECTION)

PCB-6

EQUALIZER P.C. BOARD



(G) : German model
(GB) : German model Black version

NOTE:

1. ALL RESISTANCES VALUES ARE IN Ω .
 $K\Omega=1000\Omega$, $M\Omega=1000K\Omega$.
2. THE WATTAGE OF RESISTORS IS 1/2W UNLESS OTHERWISE NOTED.
3. ALL CAPACITANCES VALUES ARE IN μF UNLESS OTHERWISE NOTED. $P=\mu F$.
4. ...V:DC VOLTAGE AT NO SIGNAL UNLESS OTHERWISE NOTED.
5. SAFETY REQUIREMENTS COMPONENTS IN ACCORDANCE WITH PRESENT SAFETY REGULATIONS. THESE COMPONENTS MUST ONLY BE REPLACED BY ORIGINAL PARTS.



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PCB-1

CN403

TO POWER SUPPLY

+B

-B

G

JL601

JL604
Lch (P In2)
G
Rch (P In7)

TO SOURCE (SW3)

PCB-11

CN507

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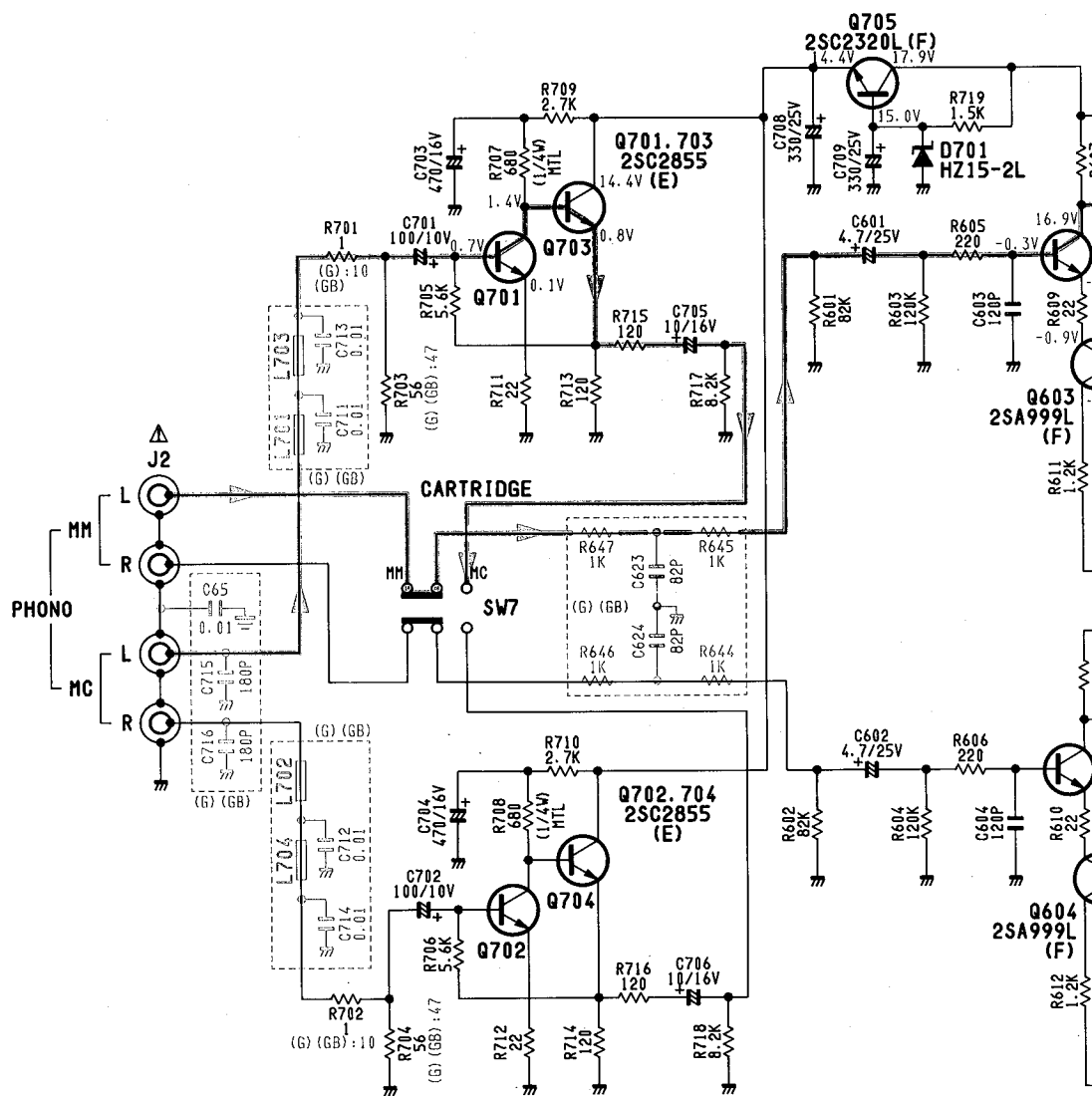
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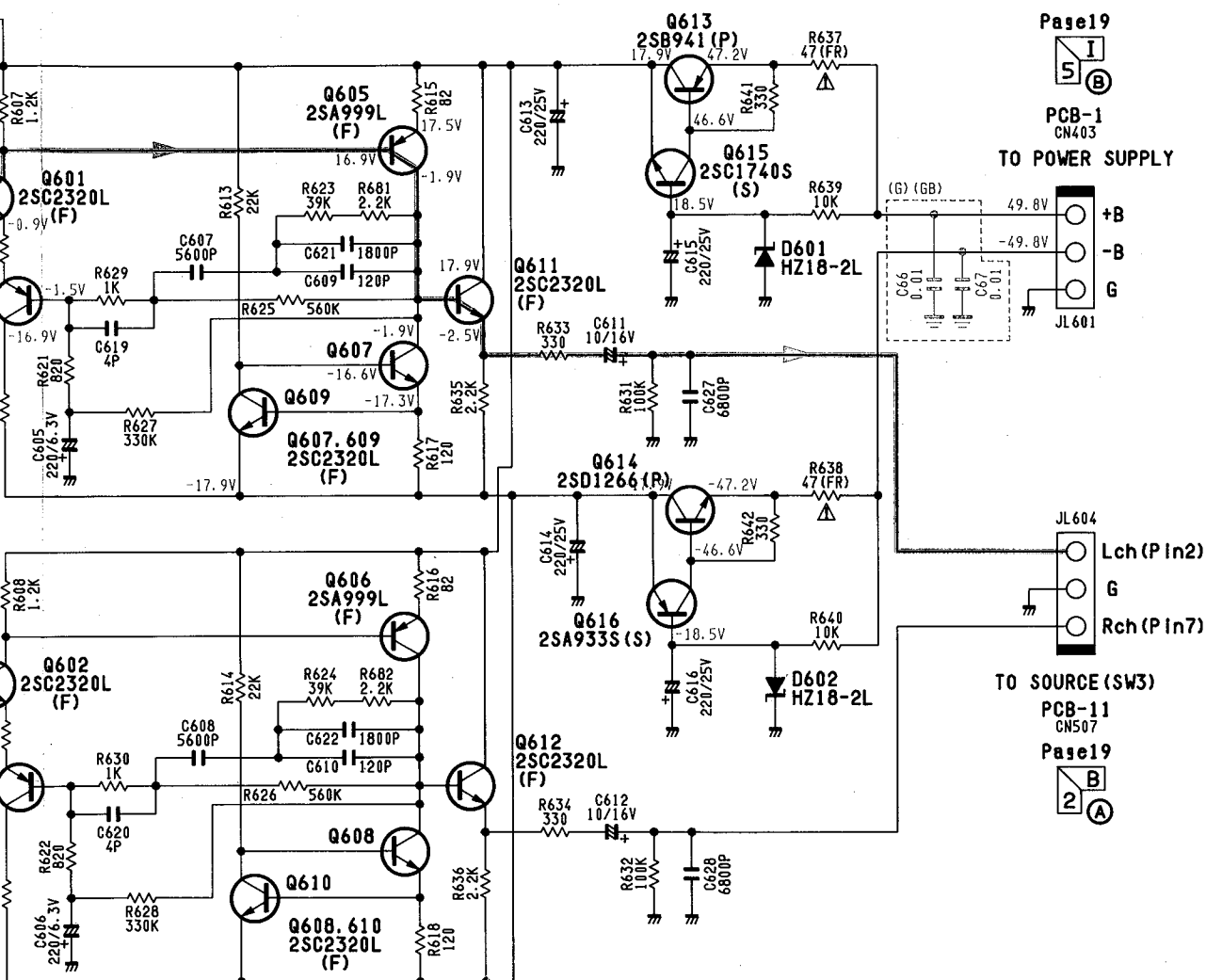
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SCHEMATIC DIAGRAM (PHONO AMP SECTION)

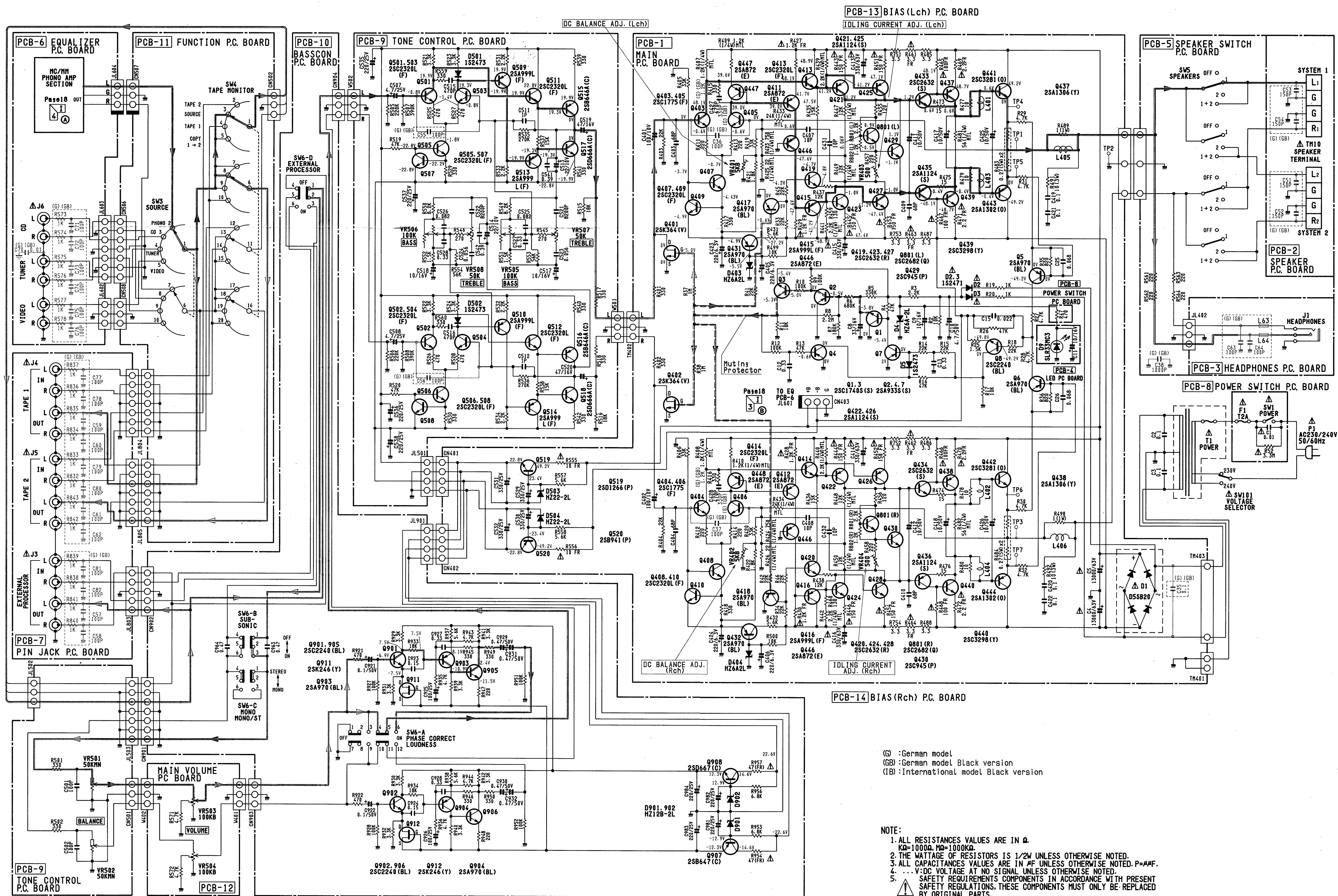
PCB-6

EQUALIZER P.C. BOARD

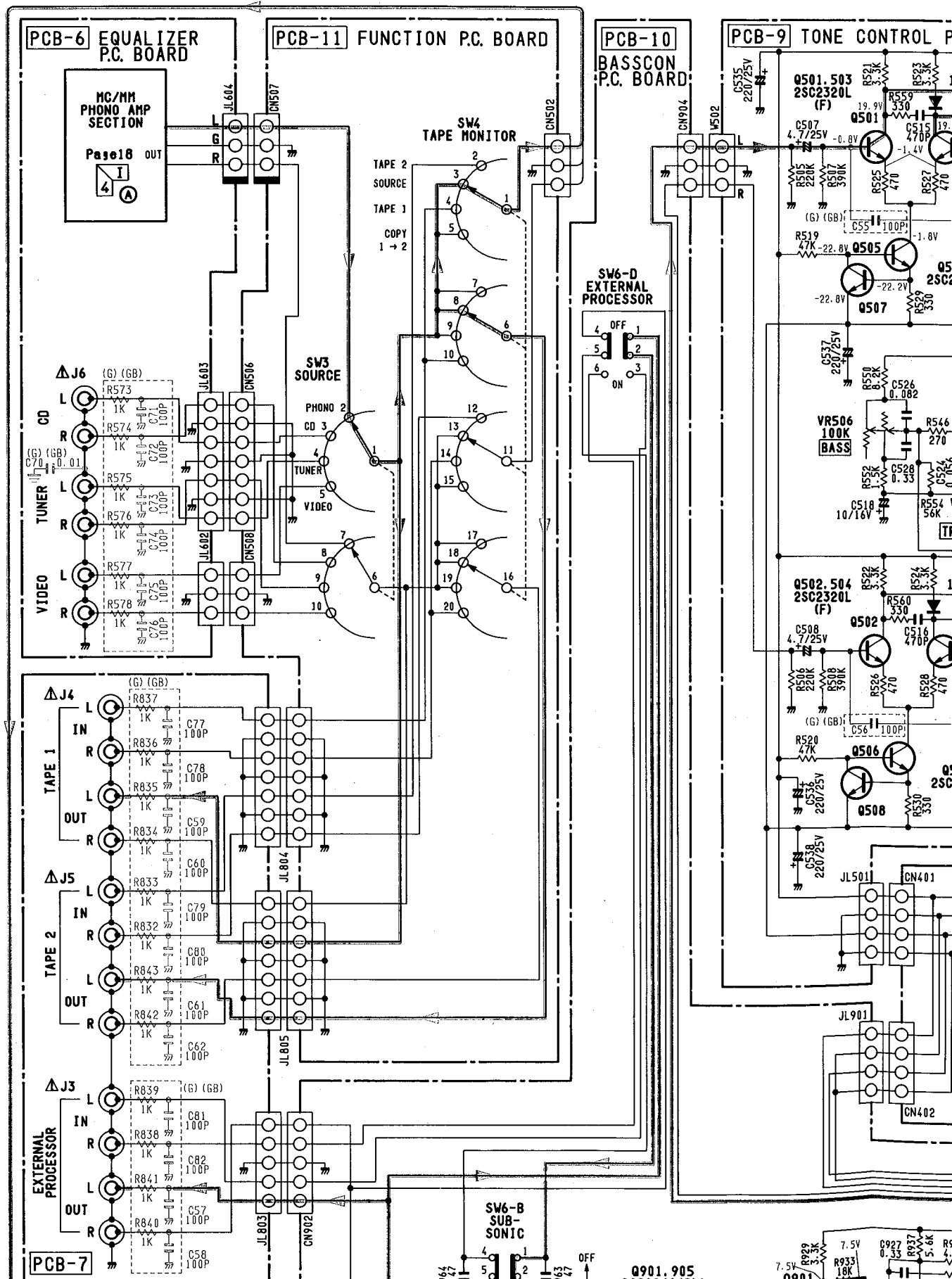




SCHEMATIC DIAGRAM

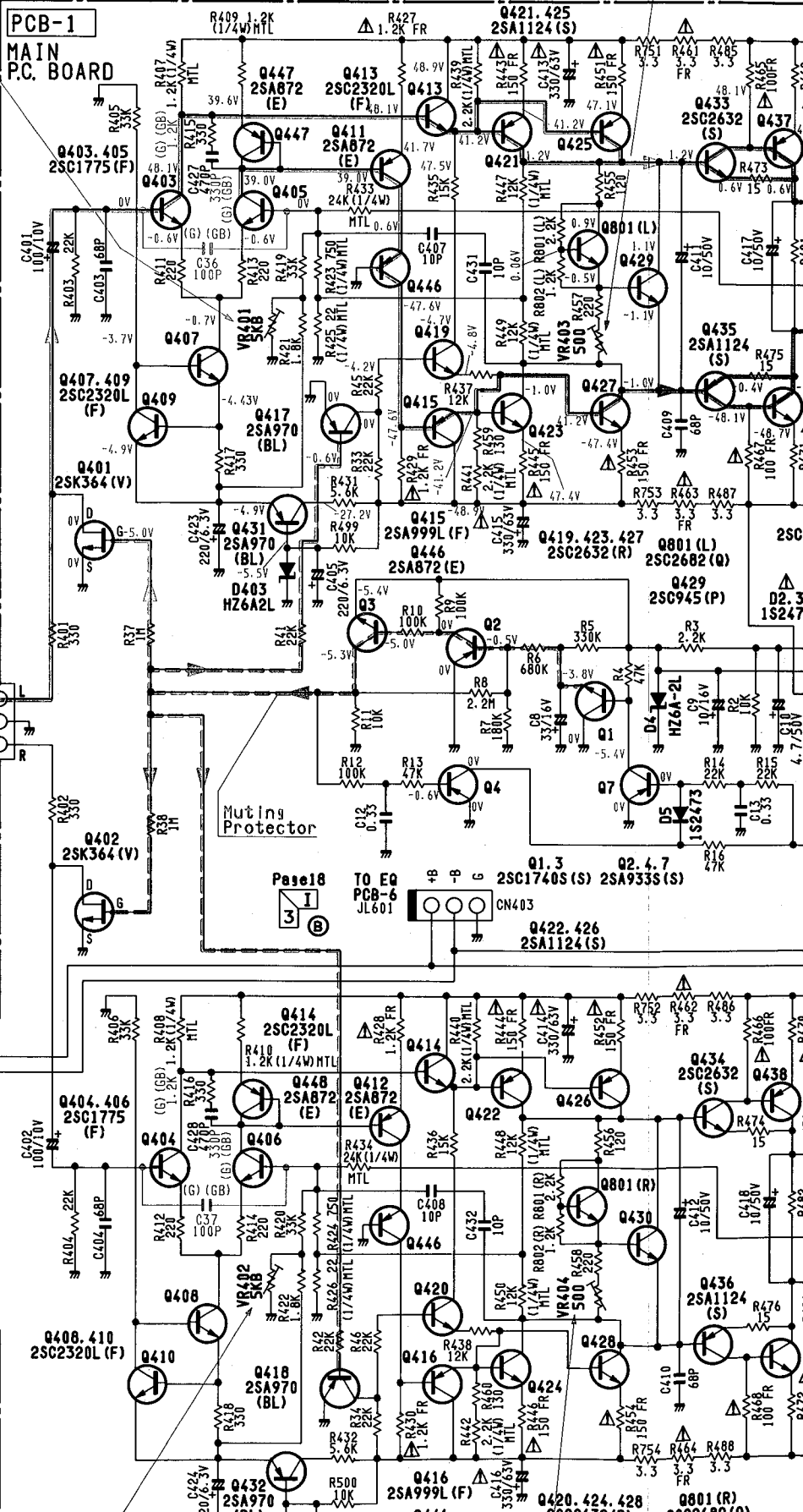


SCHEMATIC DIAGRAM



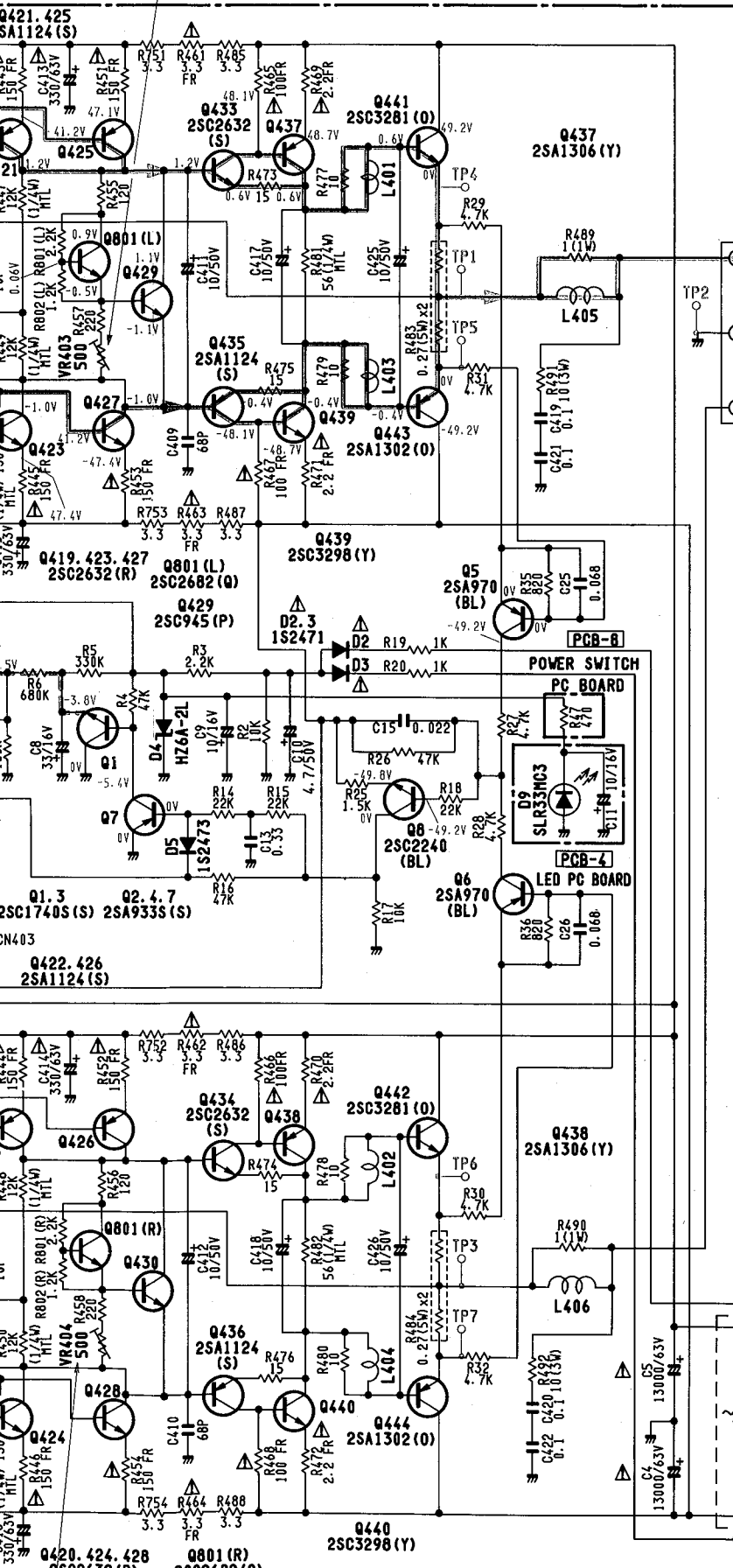
IDLING CURRENT ADJ. (Lch)

PCB-1
MAIN
P.C. BOARD

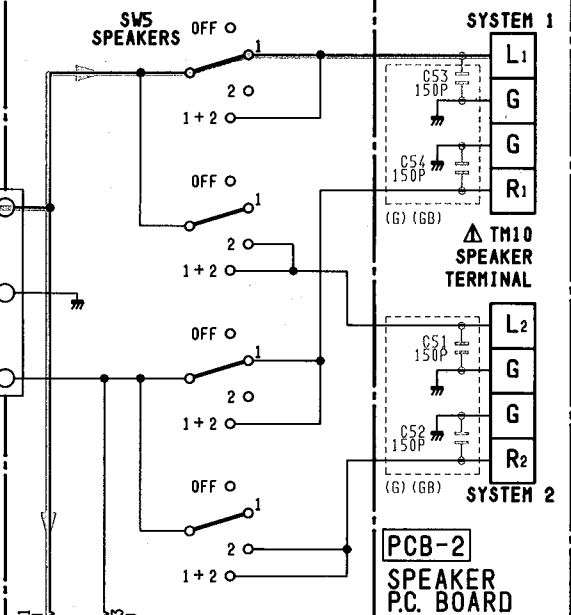


PCB-13 BIAS (Lch) P.C. BOARD

IDLING CURRENT ADJ. (Lch)

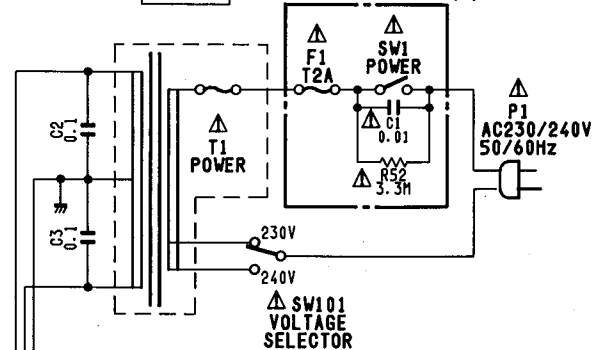


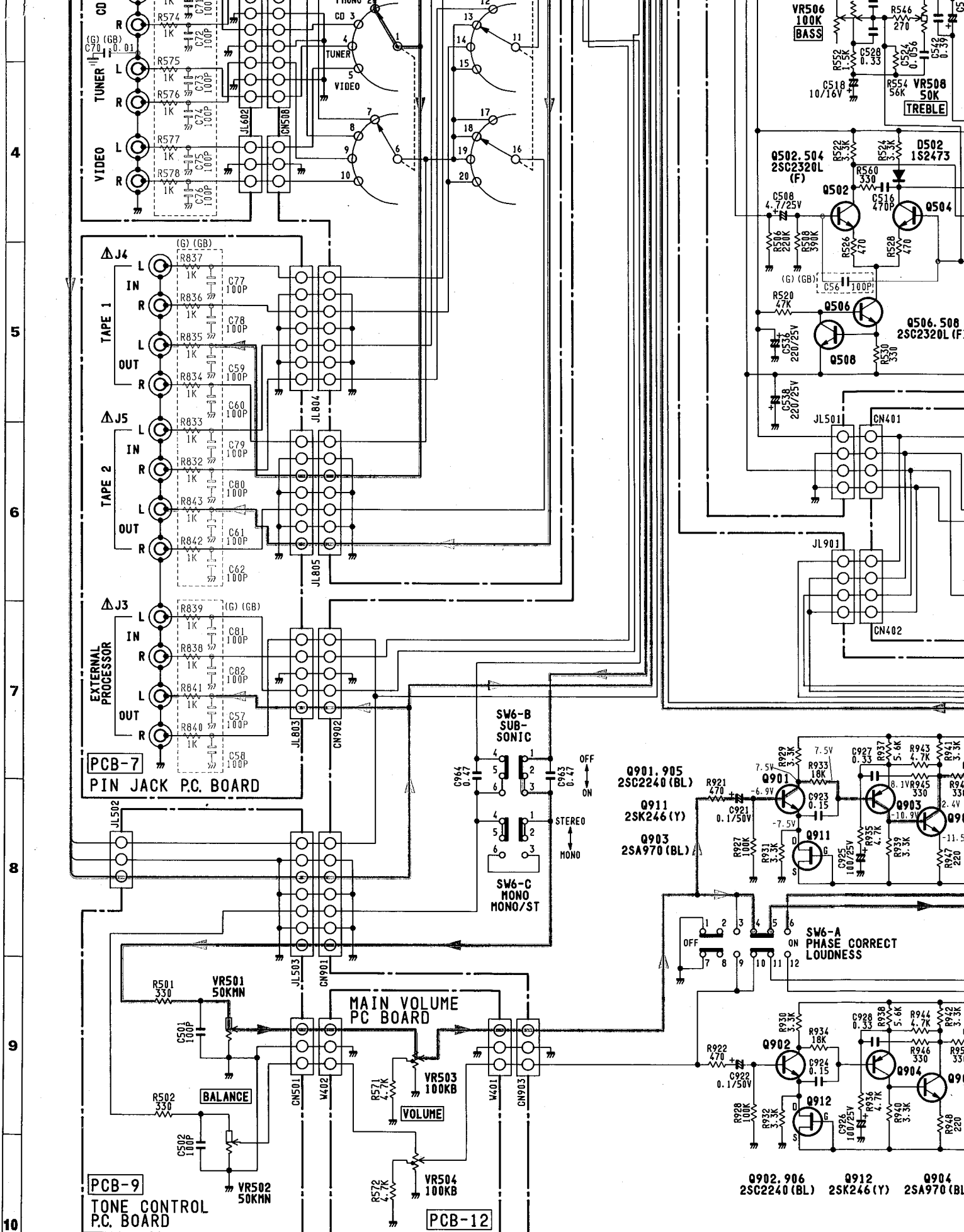
PCB-5 SPEAKER SWITCH P.C. BOARD

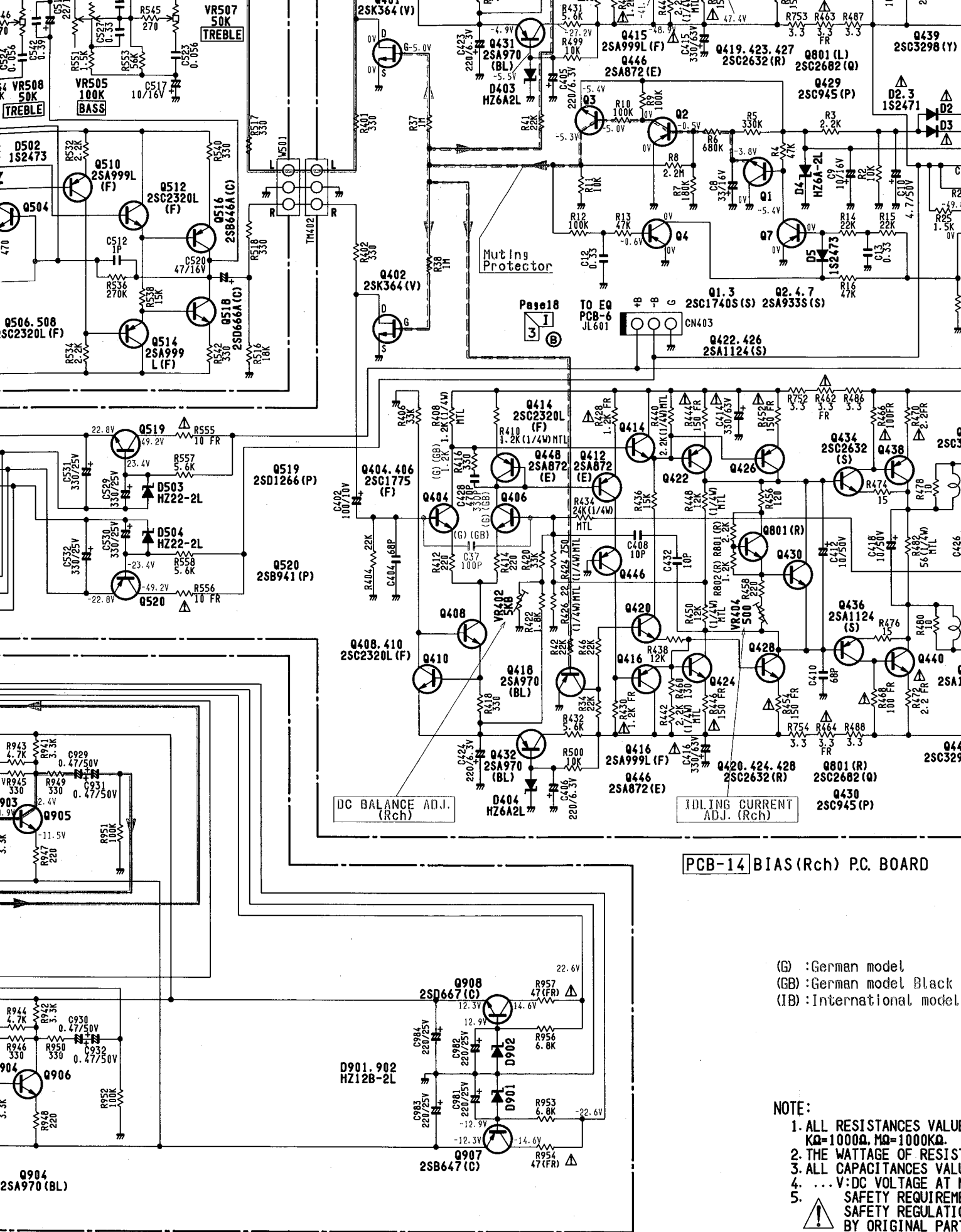


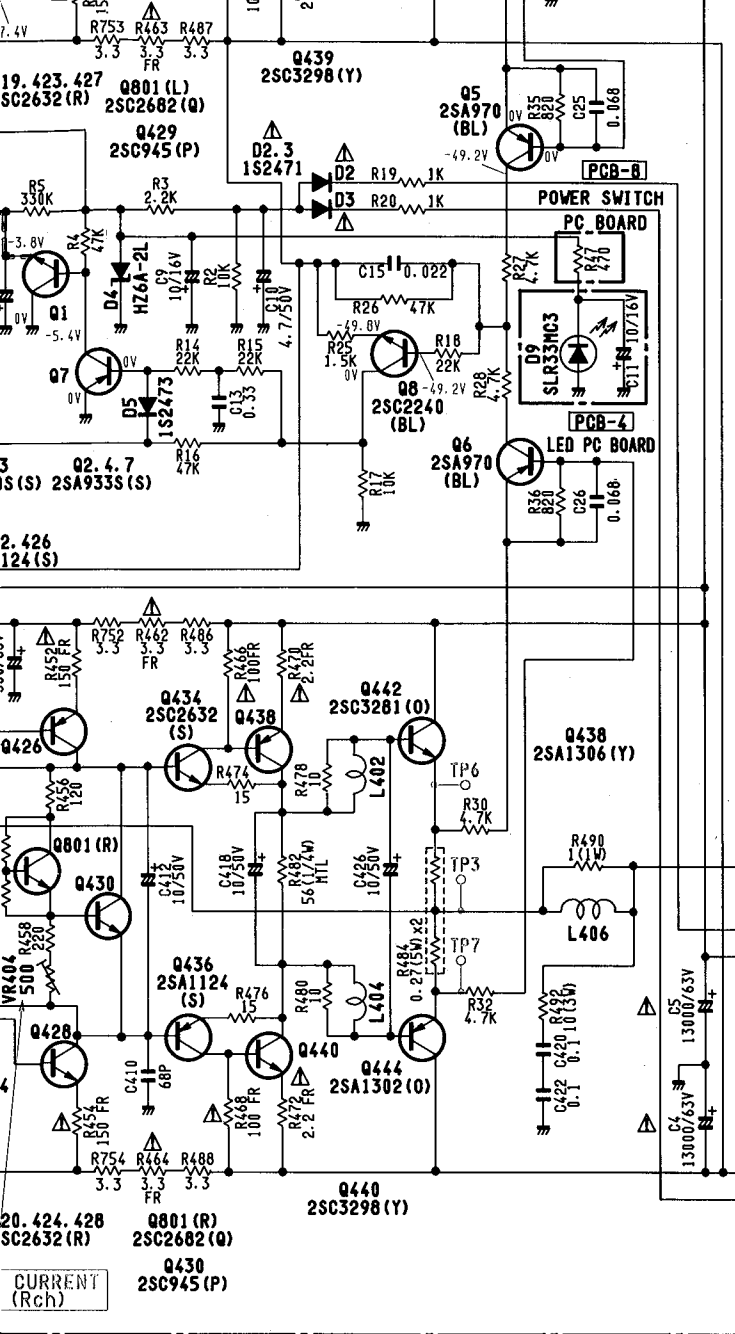
PCB-3 HEADPHONES P.C. BOARD

PCB-8 POWER SWITCH P.C. BOARD







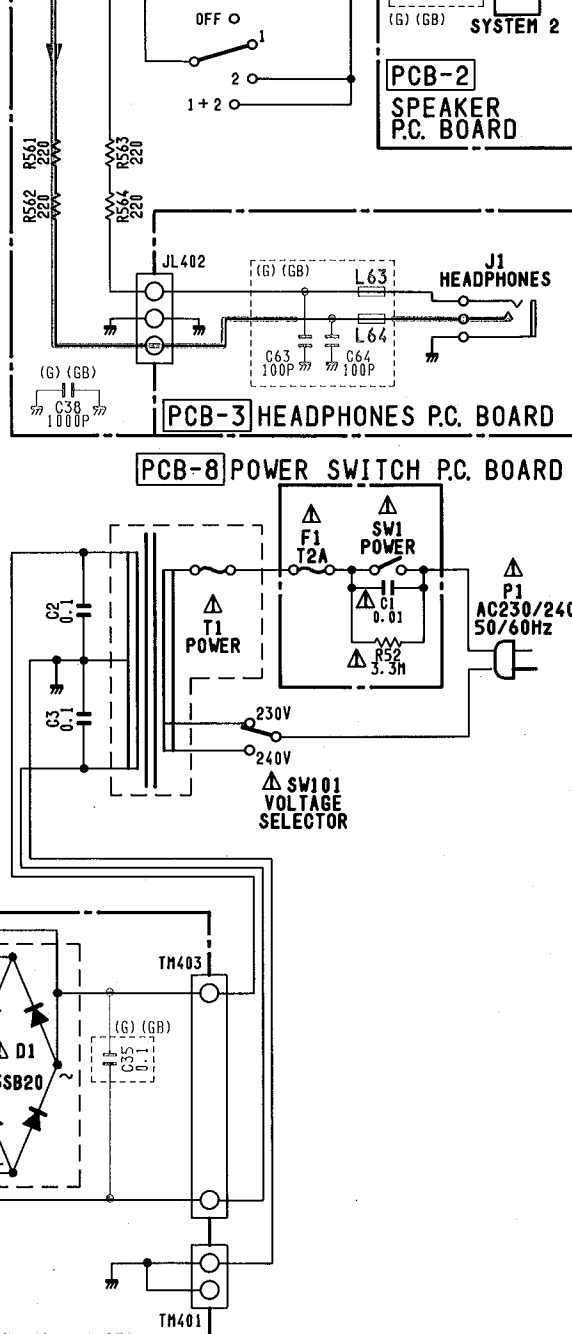


14 BIAS (Rch) P.C. BOARD

(G) : German model
(GB) : German model Black version
(IB) : International model Black version

NOTE:

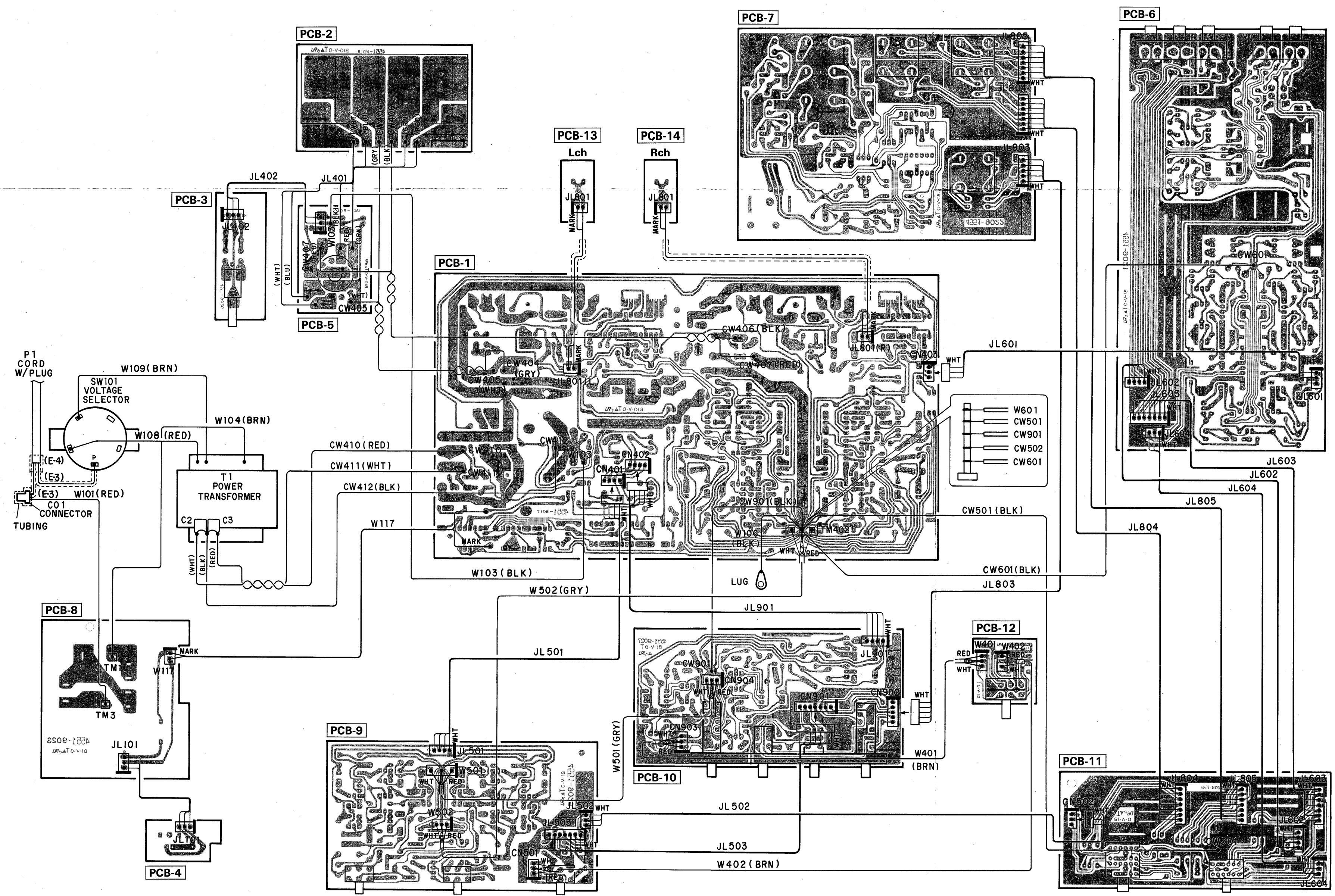
1. ALL RESISTANCES VALUES ARE IN Ω .
 $K\Omega=1000\Omega$, $M\Omega=1000K\Omega$.
2. THE WATTAGE OF RESISTORS IS 1/2W UNLESS OTHERWISE NOTED.
3. ALL CAPACITANCES VALUES ARE IN μF UNLESS OTHERWISE NOTED. $P=\mu\mu F$.
4. ...V:DC VOLTAGE AT NO SIGNAL UNLESS OTHERWISE NOTED.
5. SAFETY REQUIREMENTS COMPONENTS IN ACCORDANCE WITH PRESENT SAFETY REGULATIONS, THESE COMPONENTS MUST ONLY BE REPLACED BY ORIGINAL PARTS.



A B C D E F G H I J K L M N

WIRING DIAGRAM

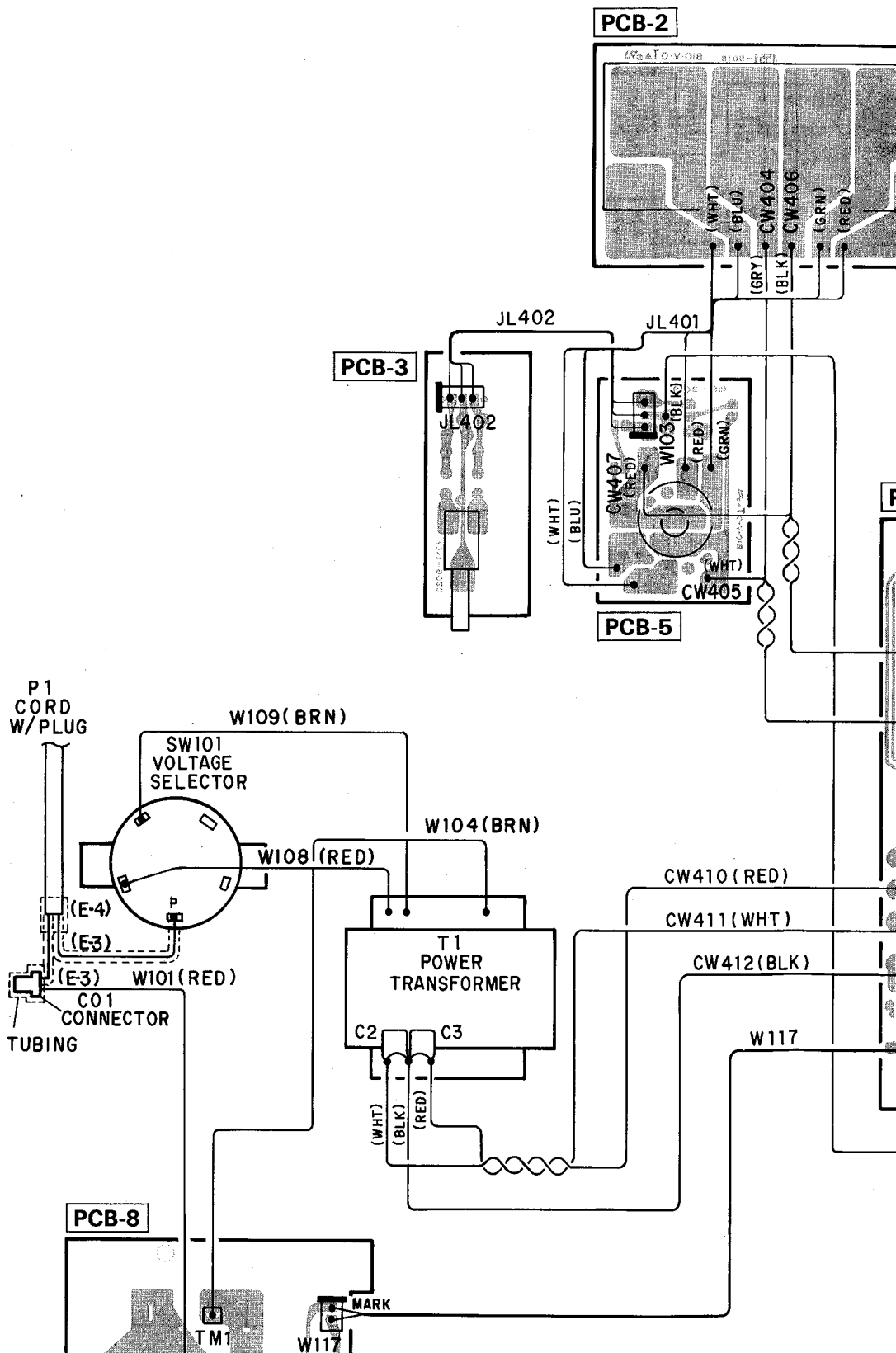
1
2
3
4
5
6
7
8
9
10

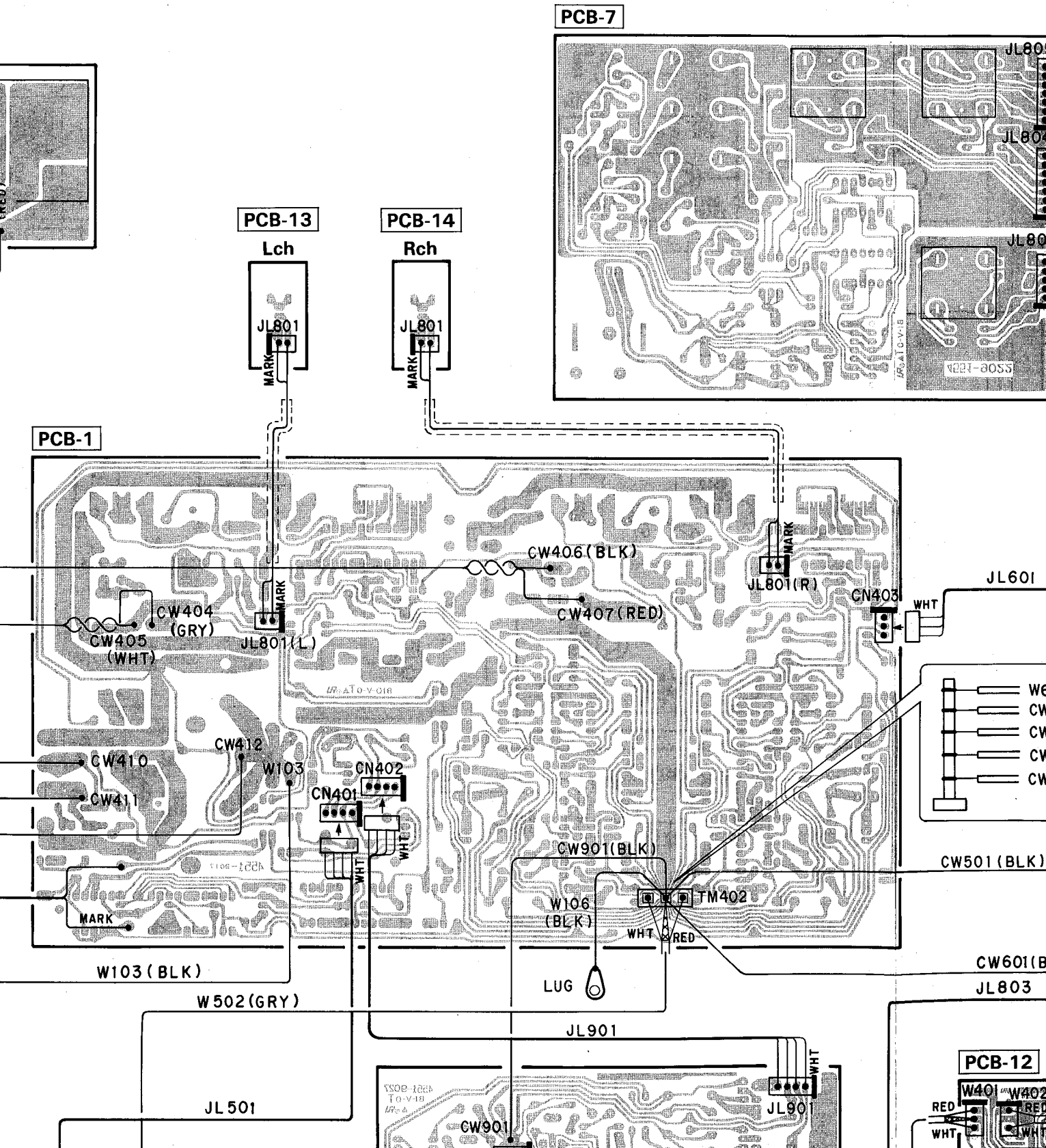


WIRE COLOR ABBREVIATIONS

| | | | |
|-----|----------|-----|----------|
| RED | : Red | YEL | : Yellow |
| ORG | : Orange | PUP | : Purple |
| BLU | : Blue | PIK | : Pink |
| WHT | : White | GRY | : Gray |
| GRN | : Green | BRN | : Brown |
| BLK | : Black | | |

WIRING DIAGRAM





J

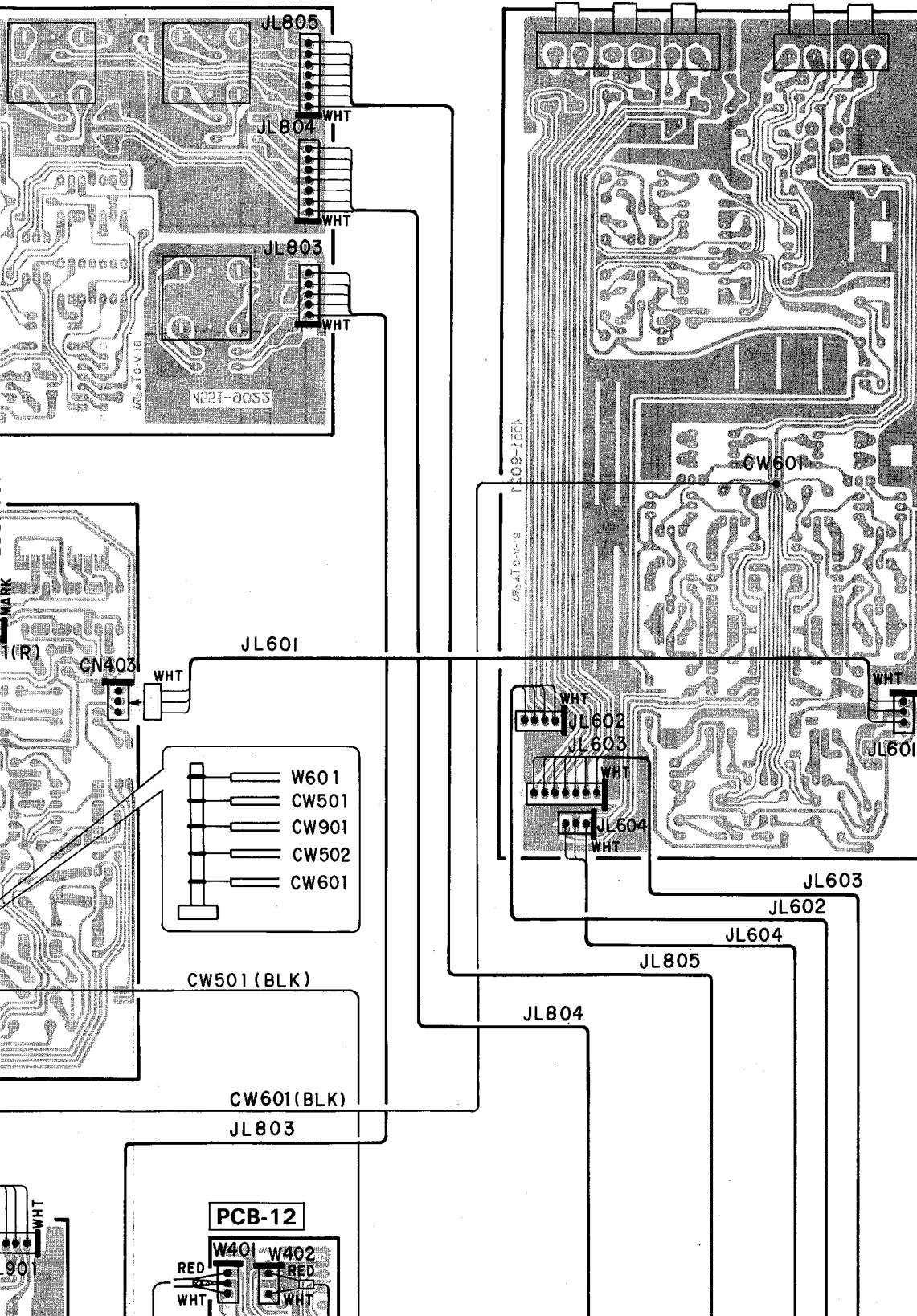
K

L

M

N

PCB-6



4

5

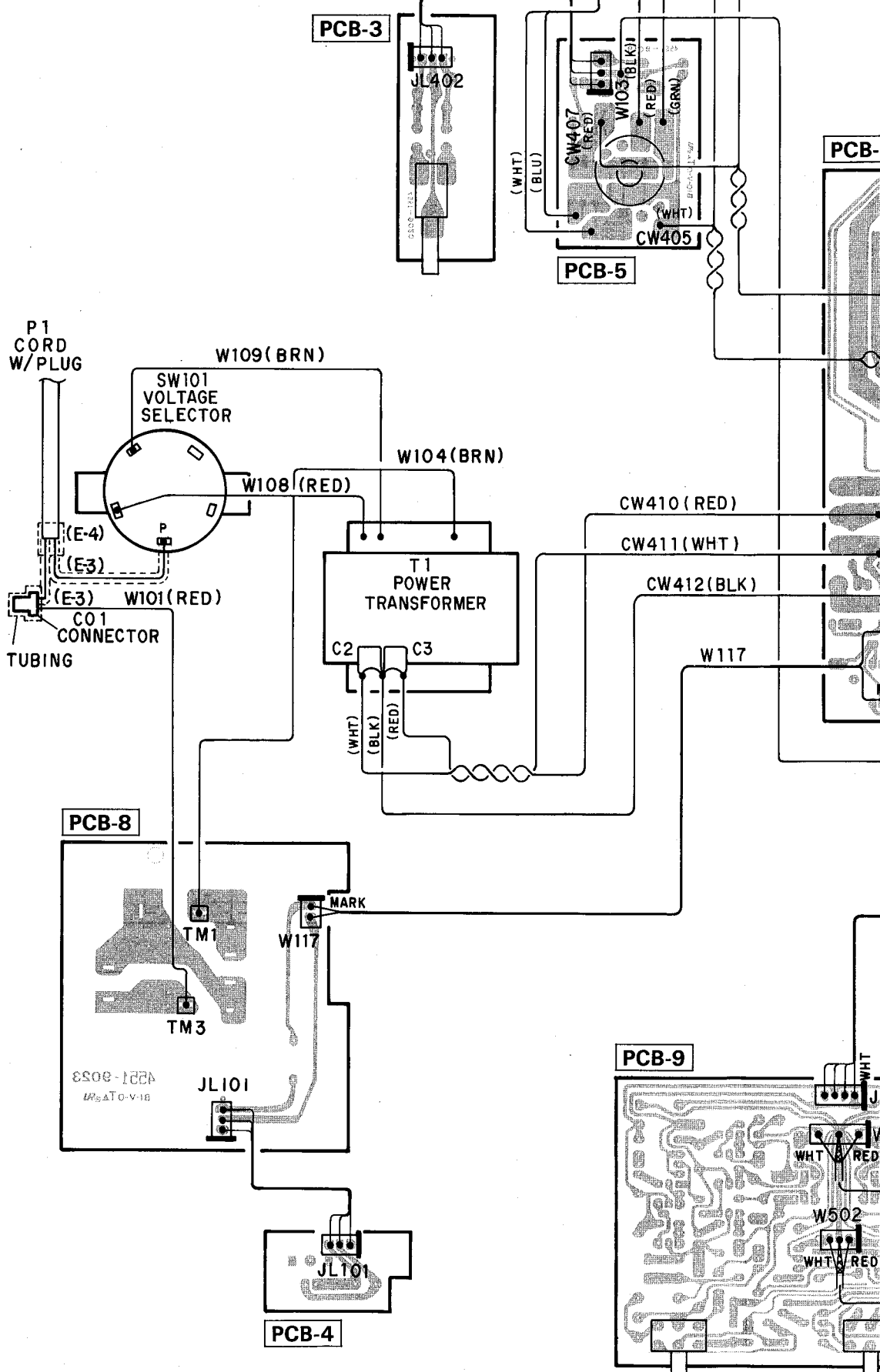
6

7

8

9

10



WIRE COLOR ABBREVIATIONS

| | | | |
|-----|----------|-----|----------|
| RED | : Red | YEL | : Yellow |
| ORG | : Orange | PUP | : Purple |
| BLU | : Blue | PIK | : Pink |
| WHT | : White | GRY | : Gray |
| GRN | : Green | BRN | : Brown |
| BLK | : Black | | |

