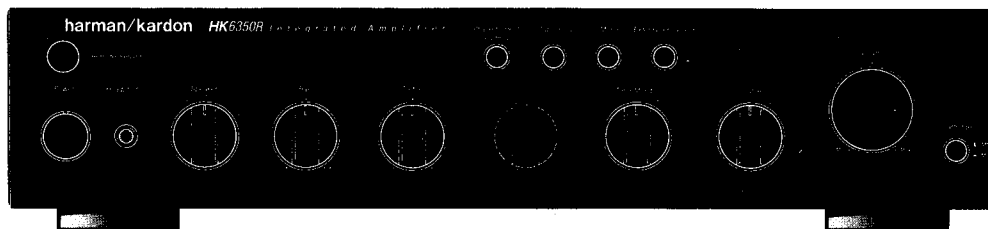


The Harman Kardon Model HK6350R INTEGRATED AMPLIFIER

Manual 183A

Technical Manual



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

- BK** : North America area model Black version
- G** : German model
- GB** : German model Black version
- IB** : International model Black version
- WB** : Asia/Oceania model Black version

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harman/kardon

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1112-0200A152 P-129201 1500 Printed in Japan

HK6350R

SPECIFICATIONS

| | Nominal | Limit | | Nominal | Limit |
|--|------------------------------|--------------------------|--|--|-------|
| RMS Output Power 8 Ω , 20 Hz~20 kHz THD 0.1 % | 70 W \geq 60 W | | Treble Turnover Frequency (2 kHz/6 kHz) | | |
| 4 Ω , 1 kHz THD 0.3 % | 47 W \geq 40 W | | Treble at 10 kHz | | |
| High Instantaneous Current Capability (HCC) | 68 W \geq 60 W | | Boost | 10 dB \pm 2 dB | |
| | 40 A \geq 35 A | | Cut | 10 dB \pm 2 dB | |
| Half Power Bandwidth | < 10 Hz ~ 100 kHz | < 10 kHz ~ 60 kHz | Filters | | |
| Frequency Response (at - 3 dB down) | 0.65 Hz ~ 180 kHz | < 1 Hz ~ \geq 150 kHz* | Subsonic | 15 Hz, -3 dB \pm 1 dB | |
| Input Sensitivity | | | DC Output Voltage | | |
| Tuner | 135 mV \pm 25 mV | | L channel | 3 mV \pm 60 mV | |
| Phono (MM) | 2.2 mV \pm 0.4 mV | | R channel | 4 mV \pm 60 mV | |
| Phono (MC) | 120 μ V \pm 50 μ V | | RIAA Equalization at Tape Out (20 Hz/20 kHz) | 0.07 dB \pm 0.5 dB / -0.12 dB \pm 0.5 dB | |
| Signal to Noise Ratio | | | Phono Overload (No load) | | |
| Tuner | 82 dB \geq 75 dB | | Phono (MM) | 115 mV \geq 110 mV | |
| Phono (MM) | 79 dB \geq 73 dB | | Phono (MC) | 6.1 mV \geq 5 mV | |
| Phono (MC) | 75.5 dB \geq 70 dB | | Dimensions (W x H x D) | 17-1/2" x 4" x 14-1/4" (443 x 103 x 361 mm) | |
| Channel Separation at 10 kHz | | | Weight | 17 lbs. 10 oz. (8 kg) | |
| Tuner | 55 dB \geq 45 dB | | Power Supplies | | |
| Phono (MM) | 61 dB \geq 45 dB | | North America area model | AC 120, 60 Hz | |
| Phono (MC) | 54.5 dB \geq 43 dB | | International model | AC 230/240V, 50/60 Hz | |
| IM Distortion Ratio | 0.031 % \leq 0.1 % | | Power Consumption | | |
| Damping Factor at 1kHz | 61 \geq 50 | | North America area model | | |
| Tone Control Characteristics | | | International model | | |
| Bass Turnover Frequency (200 Hz/400 Hz) | | | | | |
| Bass at 50 Hz | | | | | |
| Boost | \pm 10 dB \pm 2 dB | | | | |
| Cut | \pm 10 dB \pm 2 dB | | | | |

* 0.65 Hz ~ 135 kHz < 1 Hz ~ \geq 100 kHz
International model (G) (GB)

These specifications are service target specs.

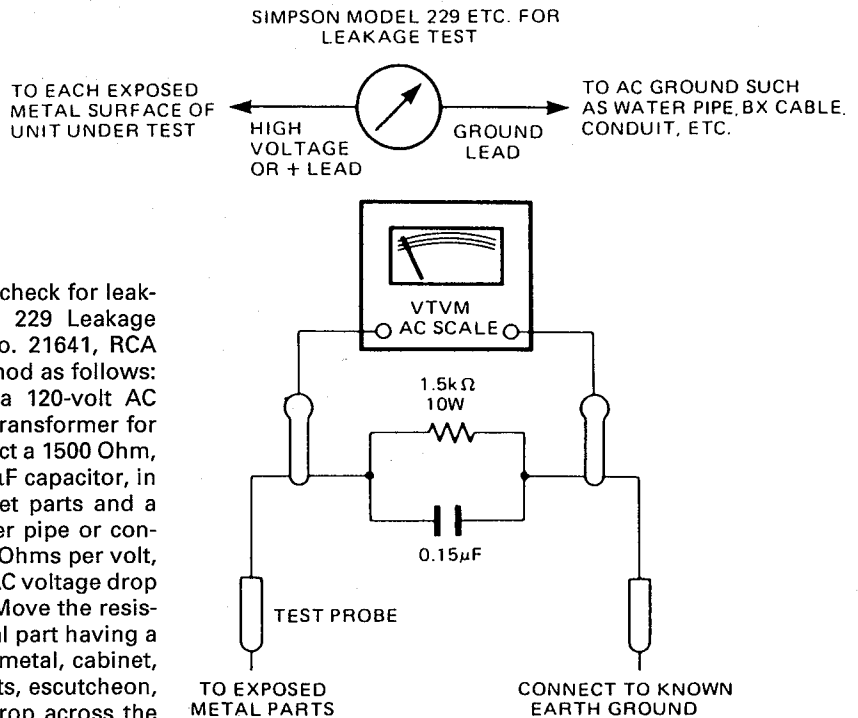
Specifications and components are subject to change without notice. Overall performance will be maintained or improved.

LEAKAGE TEST (FOR SERVICE ENGINEERS IN THE U.S.A)

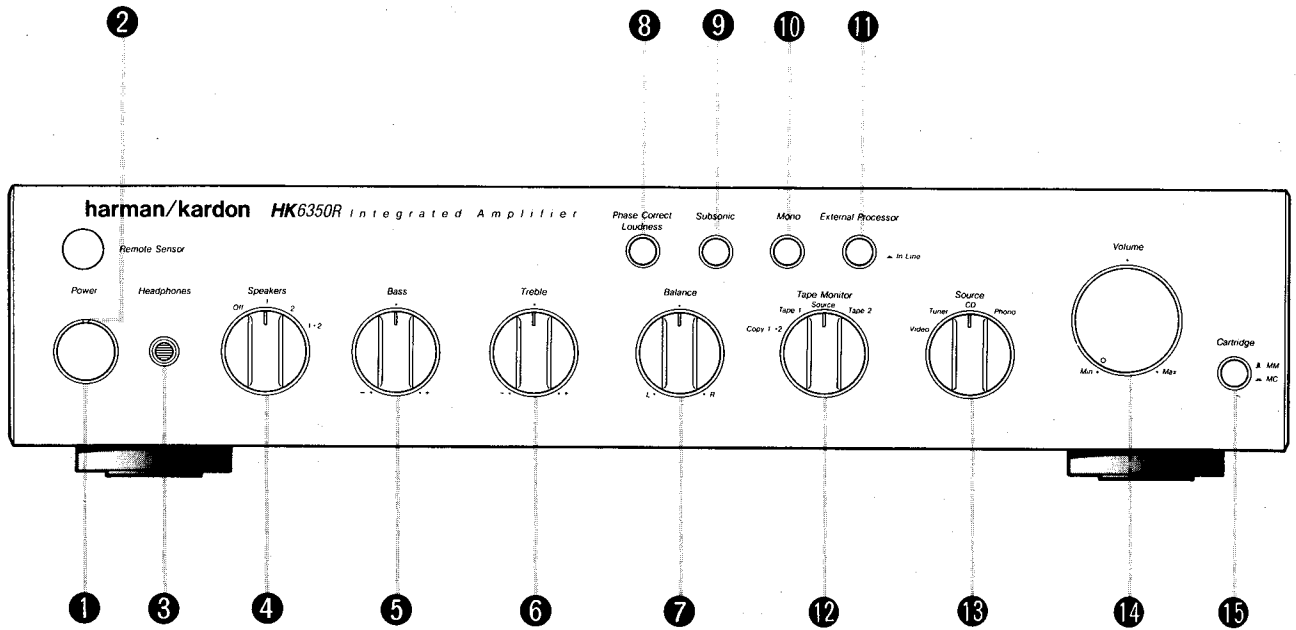
Before returning the unit to the user, perform the following safety checks:

1. Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the unit.
2. Be sure that any protective devices such as nonmetallic control knobs, insulating fishpapers, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators, etc. which were removed for servicing are properly reinstalled.
3. Be sure that no shock hazard exists; check for leakage current using Simpson Model 229 Leakage Tester, standard equipment item No. 21641, RCA Model WT540A or use alternate method as follows: Plug the power cord directly into a 120-volt AC receptacle (do not use an Isolation Transformer for this test). Using two clip leads, connect a 1500 Ohm, 10-watt resistor paralleled by a 0.15 μ F capacitor, in series with all exposed metal cabinet parts and a known earth ground, such as a water pipe or conduit. Use a VTVM or VOM with 1000 Ohms per volt, or higher sensitivity to measure the AC voltage drop across the resistor. (See Diagram.) Move the resistor connection to each exposed metal part having a return path to the chassis (antenna, metal, cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor. (This test should be performed with the power switch in both the On and Off positions.)

A reading of 0.35 volt RMS or more is excessive and indicates a potential shock hazard which must be corrected before returning the unit to the owner.



CONTROLS AND FUNCTIONS



1 POWER Switch

Press this switch to turn the unit "On". Pressing it again will turn the unit off. While it is in the "On" position, the remote control can switch the unit between the "On" and "Standby" modes. The remote control is inactive when this switch is "Off". Note that this unit will draw a small amount of power when this switch is "Off".

2 POWER Indicator

With the power switch is in the "On" position, this indicator is illuminated in green when the unit is "On", and is illuminated in amber when the unit is in "Standby". This indicator will not illuminate when the power switch is "Off".

3 HEADPHONES Jack

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.

4 SPEAKERS Selector

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.

5 BASS Control Knob

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

6 TREBLE Control Knob

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

7 BALANCE Control Knob

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.

8 Phase Correct Loudness Switch

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.

9 Subsonic Filter Switch

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

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

11 External Processor Switch

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

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

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.

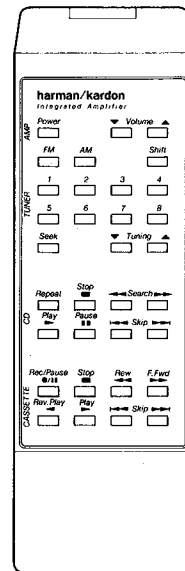
14 VOLUME Control Knob

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

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.

REMOTE CONTROL



Using the remote control:

The system remote control can switch the amplifier's power status between "on" and "standby". The amplifier's power switch must be manually set in the "on" position in order for the remote control to function.

The volume up and down buttons control the position of the amplifier's volume control knob.

In addition to this amplifier, this system remote control can operate many basic functions on the following Harman Kardon tuners, CD players and cassette decks:

| | | | | |
|----------|----------|---------|---------|---------|
| HD7450 | HD7600II | TD4200* | TD4800 | TU9200* |
| HD7500 | TL8500 | TD4400* | DC5300* | TU9400 |
| HD7500II | TL8600 | TD4500 | DC5500 | TU9600 |
| HD7600 | | TD4600 | DC5700 | |

Please refer to the owner's manual for each unit for operating instructions.

*These units must be connected to the amplifier's remote control output jacks so that the system remote control can operate them.

Operating Conditions

The control unit operates effectively within a distance of 7 meters (23 feet) and an angle of 30° from the amplifier. Using the control near fluorescent lights may shorten this range, as will any dust or dirt that accumulates on the front of the remote control, or the "Remote Sensor" area of the amplifier. Also avoid blocking the line of sight between amplifier and remote.

The control unit is powered by two AA batteries, included with your receiver. When you replace weak batteries, replace both at the same time. When the remote is to be unused for an extended period, remove the batteries to prevent damage from corrosion.

DISASSEMBLY PROCEDURES (REFER TO PAGES 7 AND 20)**1 CABINET TOP ASS'Y (AD) REMOVAL**

Remove 6 screws (A) and then remove the Cabinet Top Ass'y (AD).

2 FRONT PANEL ASS'Y (AA) REMOVAL

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

3 BASS CONTROL P. C. BOARD (PCB-6) REMOVAL

1. Remove the Front Panel Ass'y (AA), referring to the previous step 2.
2. Open the lid of connector (CN502) on the Main P. C. Board (PCB-1) and then disconnect the lead wires (JL502).
3. Open the lid of connector (CN501) on the Function P. C. Board (PCB-5) and then disconnect the lead wires (JL501).
4. Open the lid of connectors (CN503, CN504 and CN505) on the Bass Control P. C. Board (PCB-6) and then disconnect the 3 lead wires (W-403, W-402 and JL505).
5. Remove 2 screws (C) and then remove the Bass Control P. C. Board (PCB-6).
If necessary, unsolder the lead wire connected to the PCB-6.

4 MAIN P. C. BOARD (PCB-1) REMOVAL

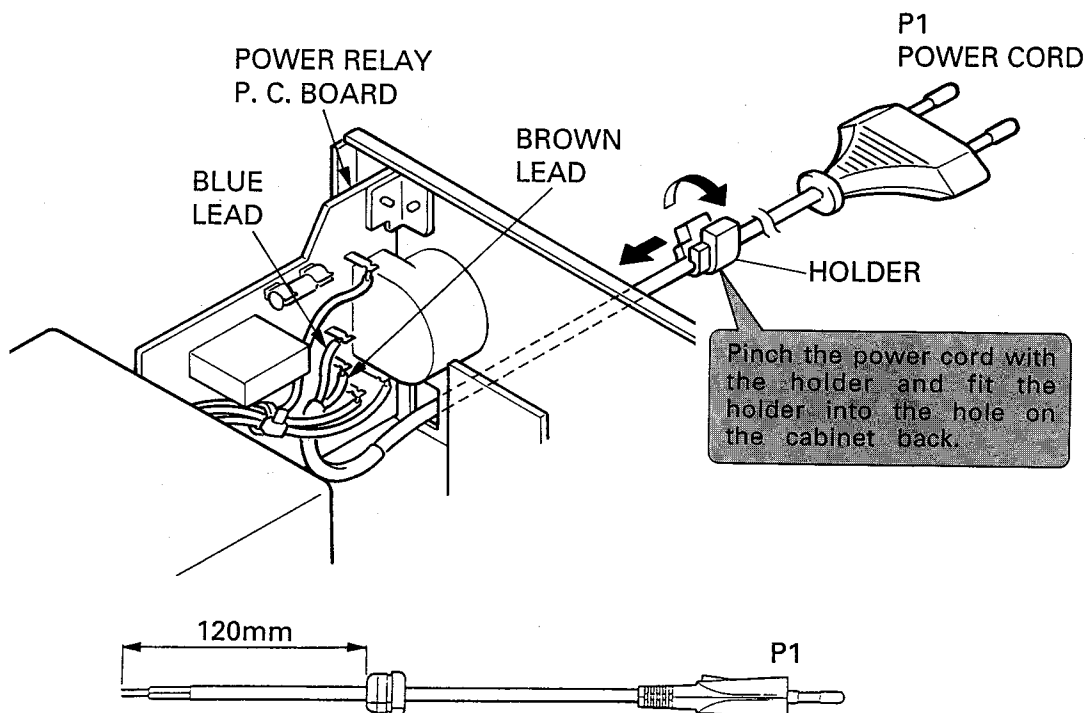
1. Remove the Bass Control P. C. Board (PCB-6), referring to the previous step 3.
2. Pull out 6 Rotary Knobs (152).
Disconnect 1 connector (LCN4) from connector (CN4) on the Volume P. C. Board (PCB-10). Pull out Volume Rotary Knob (150).
3. Open the lid of connector (CN601) on the Main P. C. Board (PCB-1) and then disconnect the lead wire (JL601).
4. Open the lid of connector (CN109) on the Function P. C. Board (PCB-5) and then disconnect the lead wire (JL107).
5. Remove 6 screws (D) and 3 hexagon nuts (E) and then remove the Main P. C. Board (PCB-1).
If necessary, unsolder the lead wires connected to the PCB-1.

5 FUNCTION P. C. BOARD (PCB-5) REMOVAL

1. Remove the Main P. C. Board (PCB-1), referring to the previous step 4.
2. Pull out the Shafts (215 and 216).
3. Remove 10 screws (F) and then remove the Cabinet Back Ass'y (AB) with the Speakers P. C. Board (PCB-2).
4. Remove 3 screws (G) and 2 hexagon nuts (H) and then remove the Function P. C. board (PCB-5) with the Equalizer P. C. Board (PCB-7).

POWER CORD REPLACEMENT (FOR SERVICE ENGINEERS OTHER THAN NORTH AMERICA)

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.



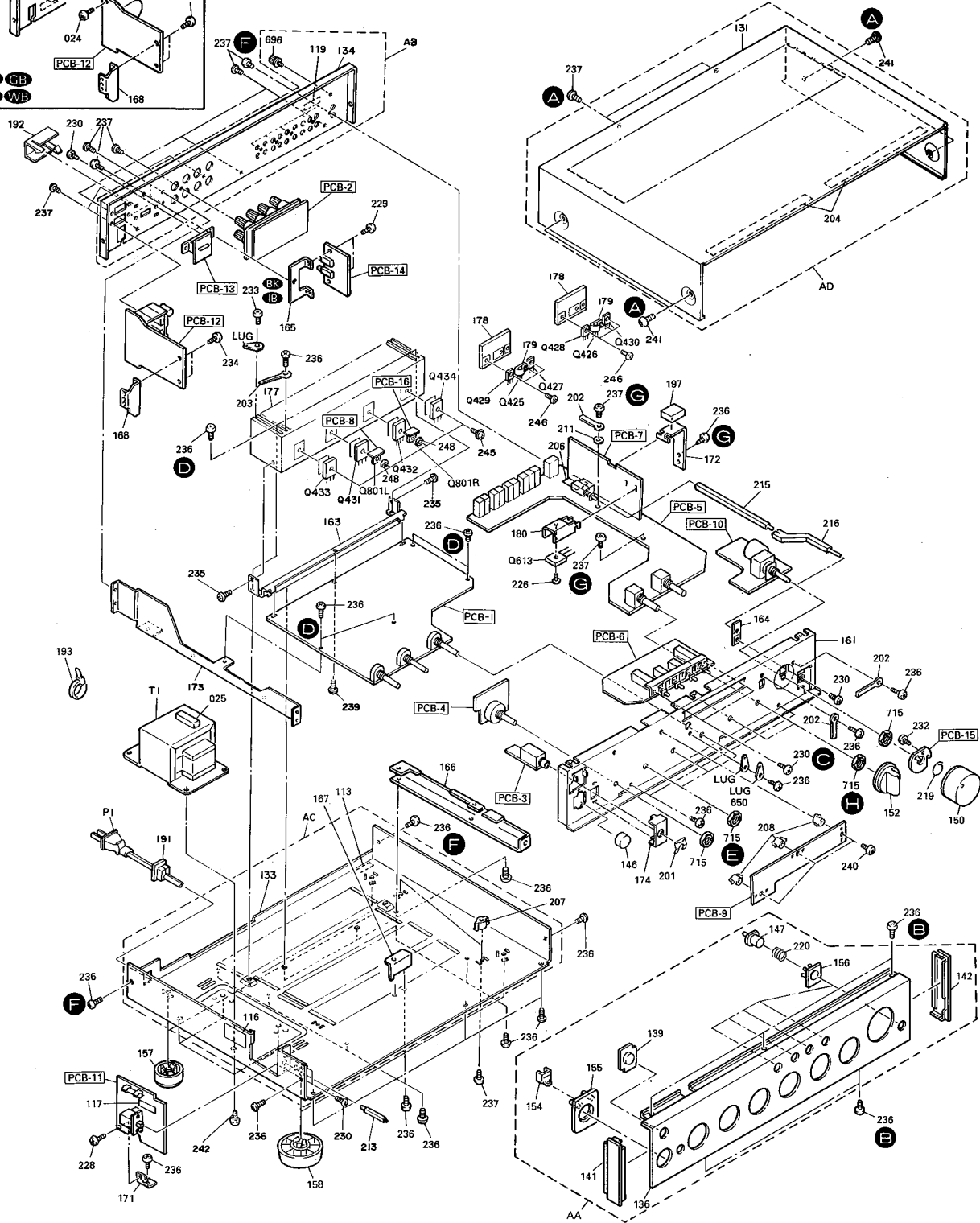
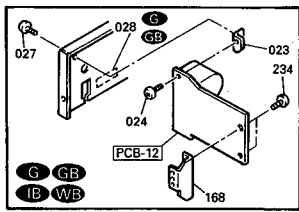
GENERAL UNIT PARTS LIST

| Ref. No. | Part No. | Description | Ref. No. | Part No. | Description |
|----------|---------------|---|----------|---------------|--|
| AA | A443-HK6350RA | FRONT PANEL ASSEMBLY G | 157 | 1319-02201 | LEG, BOTTOM REAR (x2) |
| AA | A443-HK6350RB | FRONT PANEL ASSEMBLY BK GB WB IB | 158 | 1319-03301 | LEG, BOTTOM FRONT (x2) |
| AB | A424-HK6350RA | CABINET BACK ASSEMBLY BK | 161 | 2211-7295 | CHASSIS, FRONT |
| AB | A424-HK6350RC | CABINET BACK ASSEMBLY G GB IB | 163 | 2219-8179 | METAL FITTG, MAIN HEAT SINK |
| AB | A424-HK6350RG | CABINET BACK ASSEMBLY WB | 164 | 2219-8178 | METAL FITTG, MM/MC SHAFT |
| AC | A424-HK6350RB | CABINET BOTTOM ASSEMBLY BK | 165 | 2219-8298 | METAL FITTG, REMOTE IN/OUT PCB |
| AD | A414-HK6350RA | CABINET TOP ASSEMBLY BK | 166 | 2219-8347 | METAL FITTG, BOTTOM |
| AD | A414-HK6350RB | CABINET TOP ASSEMBLY G GB WB IB | 167 | 2219-8348 | METAL FITTG, BOTTOM CENTER |
| 023 | 2219-8350 | METAL FITTG, SUB TRANS PCB G GB WB IB | 168 | 2219-8349 | METAL FITTG, SUB TRANS PCB |
| 024 | 2327-R0130062 | SCREW, BND+ (3x6 mm) G GB WB IB | 171 | 2219-8019 | METAL FITTG, POWER SWITCH |
| 025 | 2112-11802 | SPONGE, TRANS (x2) G GB WB IB | 172 | 2219-8247 | METAL FITTG, EQ PCB |
| 027 | 2459-3003511 | REVET, PLASTIC G GB WB IB | 173 | 2219-8207 | METAL FITTG, BOTTOM |
| 028 | 1756-21903 | LABEL | 174 | 2219-7879 | METAL FITTG, HEADPHONES JACK |
| 113 | 1117-78 | SERIAL LABEL, BOTTOM | 177 | 2222-7228 | HEAT SINK, MAIN BK |
| 116 | 1756-05910 | LABEL, FUSE CAUTION BK | 177 | 2222-7233 | HEAT SINK, MAIN G GB WB IB |
| 117 | 1756-R011N251 | LABEL, 250 mA/125V BK | 178 | 2222-7214 | HEAT SINK, DRIVER (x2) |
| 119 | 1756-CSA | LABEL, CSA BK | 179 | 2222-7067 | HEAT SINK, DRIVER (x2) |
| 131 | 1414-11501 | CABINET TOP BK | 180 | 2222-7230 | HEAT SINK, EQ |
| 131 | 1414-04901 | CABINET TOP G GB WB IB | 191 | 2240-364 | HOLDER, AC CORD |
| 133 | 1424-35601 | CABINET BOTTOM | 192 | 2240-7359 | HOLDER, SPEAKER OPERATING MODE BK WB |
| 134 | 1424-35701 | CABINET BACK BK | 193 | 2240-R0101 | HOLDER, WIRING (x19) |
| 134 | 1424-35702 | CABINET BACK G GB IB | 197 | 2112-11771 | SPONGE (x3) |
| 134 | 1424-35703 | CABINET BACK WB | 201 | 2218-89 | BRACKET, FIX, HEADPHONES JACK |
| 136 | 1443-14005 | FRONT PANEL G | 202 | 2218-R0130 | BRACKET, FIX, FUNCTION PCB (x3) |
| 136 | 1443-14006 | FRONT PANEL BK GB WB IB | 203 | 2218-R0230 | BRACKET, FIX, SPEAKER LEAD |
| 139 | 1532-21101 | WINDOW, REMOTE SENSOR | 204 | 2224-7137 | INSULATOR, CABINET TOP (x2) |
| 141 | 1562-08201 | FRAME, L-SIDE G | 206 | 2216-7200 | SHIELD PLATE, JACK PCB |
| 141 | 1562-08202 | FRAME, R-SIDE BK GB WB IB | 207 | 2360-7015 | BOSS, SPE, BOTTOM (x2) |
| 142 | 1562-08301 | FRAME, R-SIDE G | 208 | 2360-7026 | BOSS, SPE, REMOTE SENSOR PCB (x3) |
| 142 | 1562-08302 | FRAME, R-SIDE BK GB WB IB | 211 | 2402-0374 | WASHER PLASTIC |
| 146 | 1662-66901 | PUSH BUTTON, POWER G | 213 | 2672-7018 | LEVER, POWER SHAFT |
| 146 | 1662-66902 | PUSH BUTTON, POWER BK GB WB IB | 215 | 2601-7170 | SHAFT, CARTRIDGE SWITCH |
| 147 | 1662-67001 | PUSH BUTTON, PHASE CORRECT LOUDNESS, SUBSONIC, MONO, EXTERNAL PROCESSOR, CARTRIDGE G | 216 | 2601-7165 | SHAFT, CARTRIDGE BUTTON |
| 147 | 1662-67002 | PUSH BUTTON, PHASE CORRECT LOUDNESS, SUBSONIC, MONO, EXTERNAL PROCESSOR, CARTRIDGE BK GB WB IB | 219 | 2651-110518 | SPRING, VOLUME |
| 150 | 1630-04601 | ROTARY KNOB, VOLUME G | 220 | 2651-2101728 | SPRING, PUSH BUTTON (x5) |
| 150 | 1630-04602 | ROTARY KNOB, VOLUME BK GB WB IB | 226 | 2327-R0130082 | SCREW, BND+ (3x8 mm) |
| 152 | 1632-21501 | ROTARY KNOB, SPEAKER, BASS, TREBLE, BALANCE, TAPE MONITOR, SOURCE G | 228 | 2327-R0130062 | SCREW, BND+ (3x6 mm) |
| 152 | 1632-21502 | ROTARY KNOB, SPEAKER, BASS, TREBLE, BALANCE, TAPE MONITOR, SOURCE BK GB WB IB | 229 | 2327-R0130062 | SCREW, BND+ (3x6 mm)(x2) |
| 154 | 1732-08801 | INDACATOR, LED | 230 | 2327-R0130064 | SCREW, BND+ (3x6 mm)(x8) |
| 155 | 1742-08301 | ORNAMENT, POWER G | 232 | 2347-R0126082 | SCREW, BND T+ (2.6x8 mm) |
| 155 | 1742-08302 | ORNAMENT, POWER BK GB WB IB | 233 | 2347-R0130062 | SCREW, BND T+ (3x6 mm) BK IB G GB |
| 156 | 1742-08401 | ORNAMENT, PHASE CORRECT LOUDNESS, SUBSONIC, MONO, EXTERNAL PROCESSOR G | 234 | 2347-R0130062 | SCREW, BND T+ (3x6 mm)(x2) |
| 156 | 1742-08402 | ORNAMENT, PHASE CORRECT LOUDNESS, SUBSONIC, MONO, EXTERNAL PROCESSOR BK GB WB IB | 235 | 2347-R0130062 | SCREW, BND T+ (3x6 mm)(x2) |
| | | | 236 | 2347-R0130062 | SCREW, BND T+ (3x6 mm)(x34) |
| | | | 237 | 2347-R0130084 | SCREW, BND T+ (3x8 mm)(x20) |
| | | | 239 | 2347-R0130102 | SCREW, BND T+ (3x10 mm) |
| | | | 240 | 2347-R0130102 | SCREW, BND T+ (3x10 mm)(x3) |
| | | | 241 | 2347-R0140064 | SCREW, BND T+ (4x6 mm)(x4) |
| | | | 242 | 2347-400827 | SCREW, BND T+ (4x8 mm)(x4) |
| | | | 245 | 2557-301429 | SCREW, B SPW+ (3x4 mm)(x4) |
| | | | 246 | 2557-300829 | SCREW, B SPW+ (3x8 mm)(x6) |
| | | | 248 | 2401-0373 | WASHER, METAL (x2) |
| | | | 696 | 4214-168 | TERMINAL, GND |
| | | | 715 | 2440-62 | NUT, SPE |

GENERAL UNIT

EXPLODED VIEW

- 1
- 2
- 3
- 4
- 5
- 6
- 7



ALIGNMENT PROCEDURES (REFER TO PAGES 9, 11, 18 AND 19)

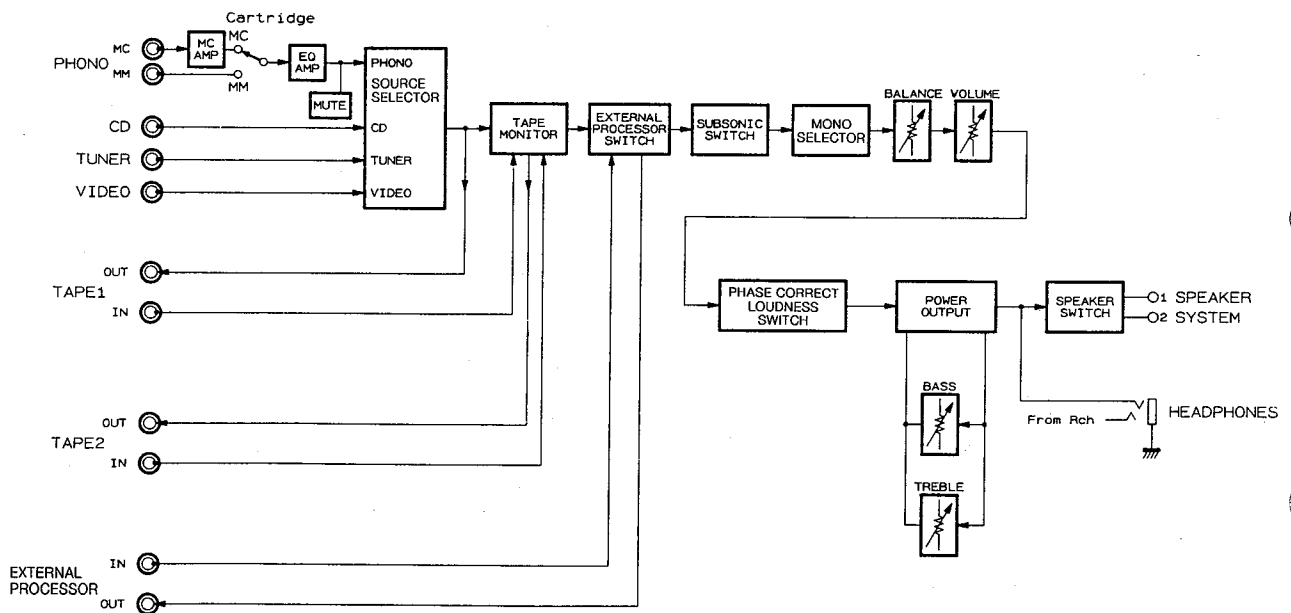
Conditions : • Set the Volume control to minimum.

- Set the Speakers selector to "off" position.
- Set the Speaker Operating Mode switch to "8Ω" position.
- Make the adjustment at a room temperature of 77°F (25°C).
- After the Power switch is pushed on, wait for 30 minutes before measuring to be sure of the most stable operation.

■ IDLING CURRENT ADJUSTMENT

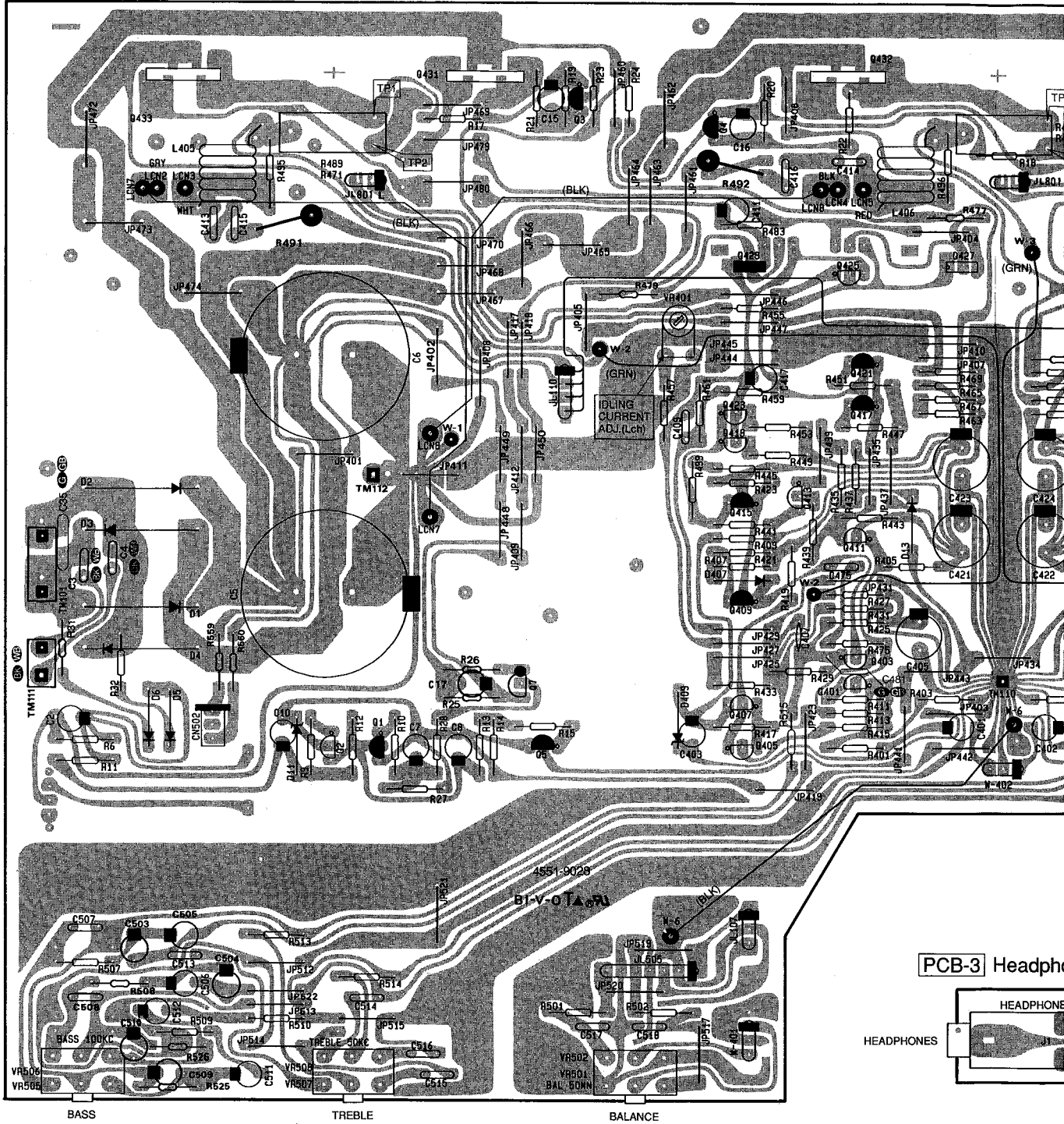
| Step | Connection Equipments | Adjustment | For |
|------|--|--------------|-------------|
| 1 | Connect the Digital Volt Meter to TP1 and TP2. | VR401 (L ch) | 40 mV ±2 mV |
| 2 | Connect the Digital Volt Meter to TP3 and TP4. | VR402 (R ch) | 40 mV ±2 mV |

BLOCK DIAGRAM

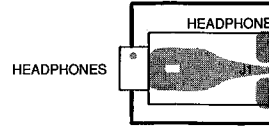


P. C. BOARDS (1)

PCB-1 Main P.C. Board



PCB-3 Headph



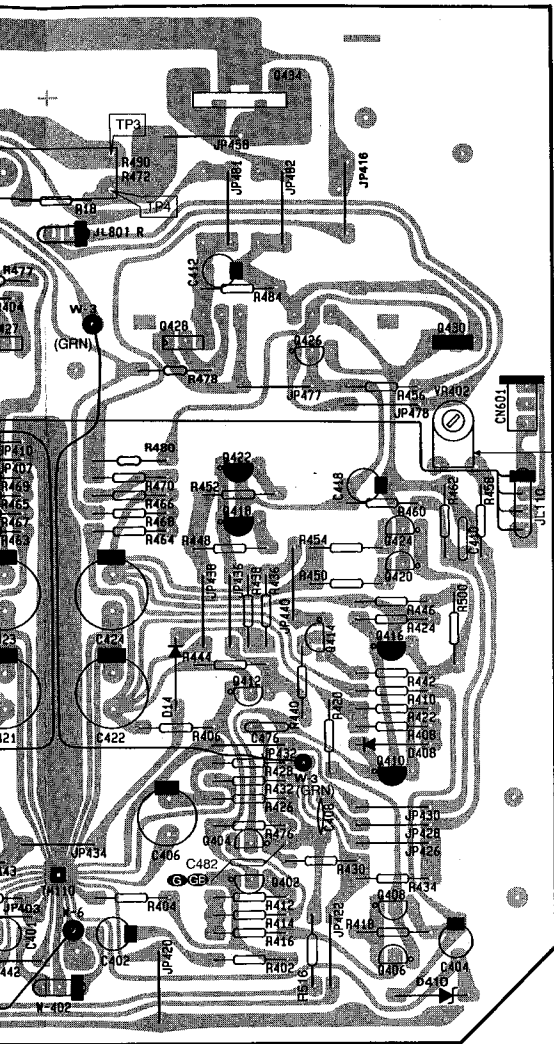
F

G

H

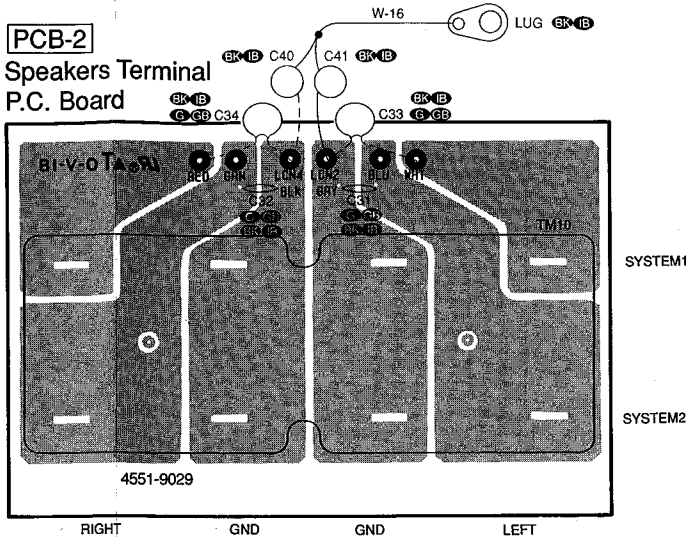
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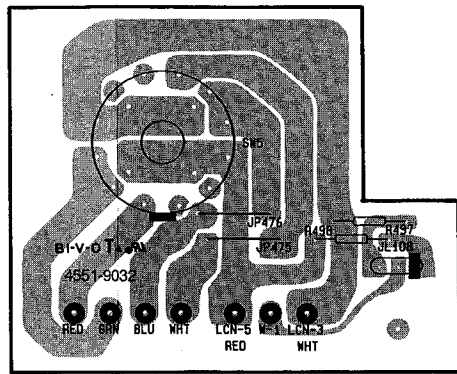


IDLING CURRENT ADJ.(Rch)

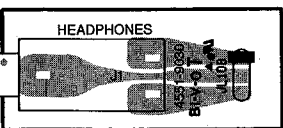
PCB-2 Speakers Terminal P.C. Board



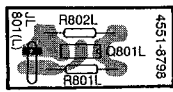
PCB-4 Speaker Switch P.C. Board



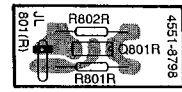
PCB-3 Headphones P.C. Board



PCB-8 Bias P.C. Board (Lch)

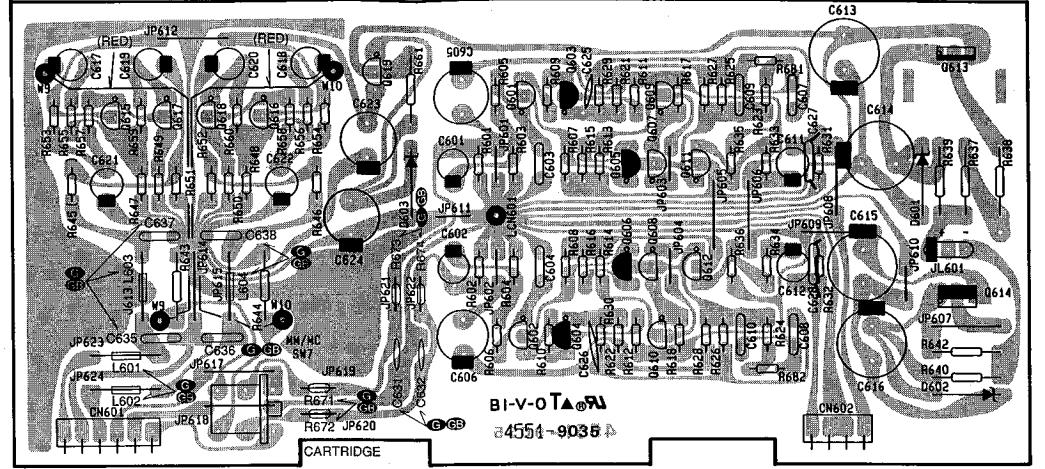


PCB-16 Bias P.C. Board (Rch)

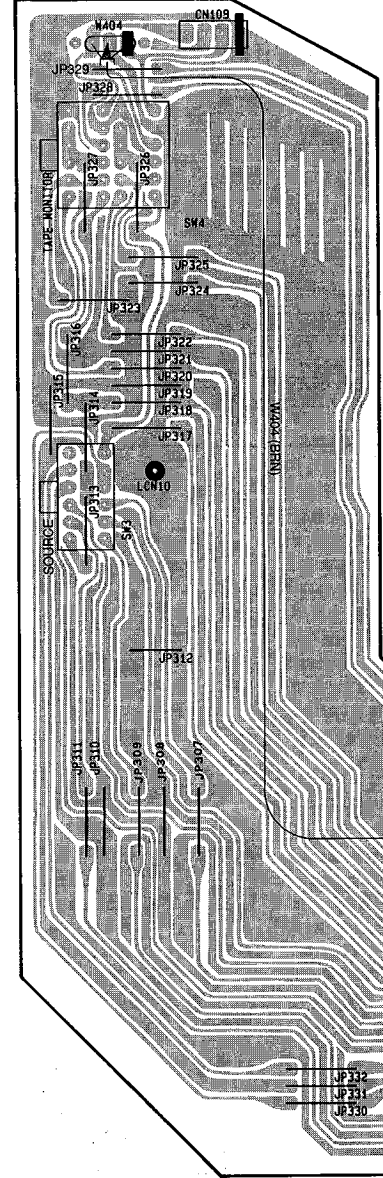


P. C. BOARDS (2)

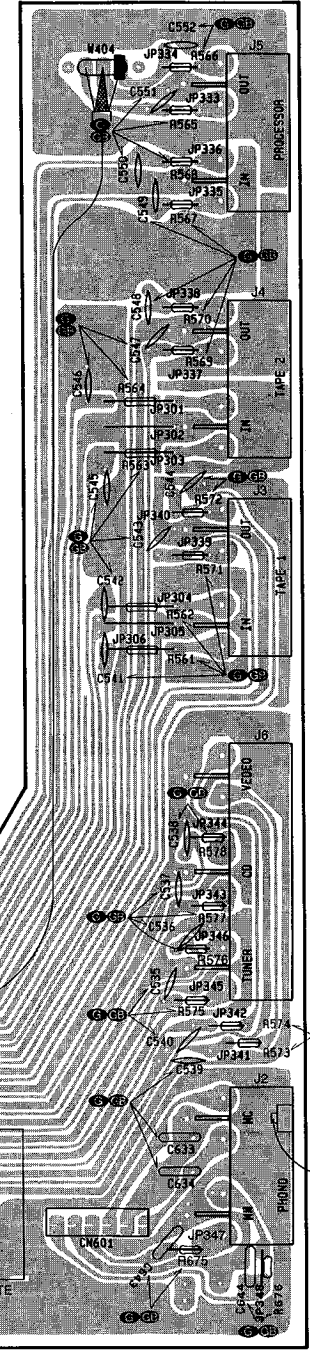
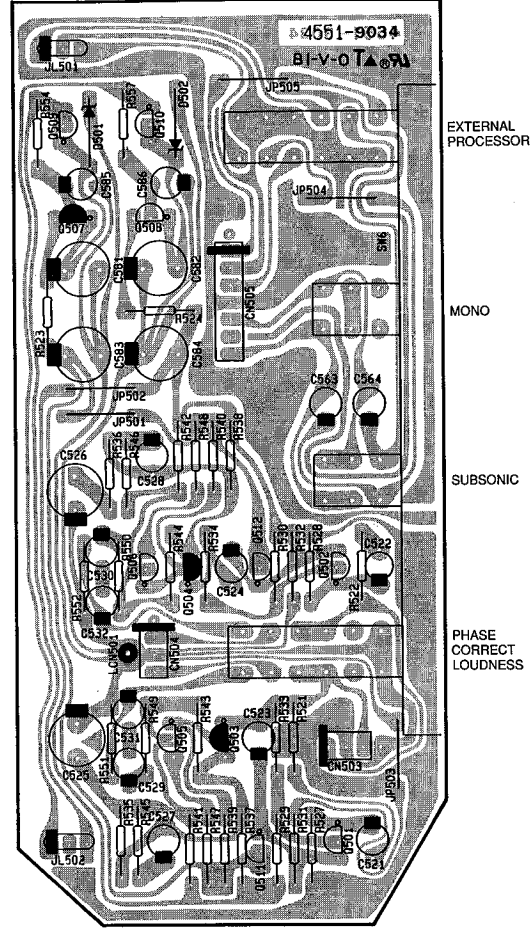
PCB-7 Phono P.C. Board



PCB-5 Function P.C. Board



PCB-6 Bass Cont P.C. Board



4551-9033

BI-V-O-TA

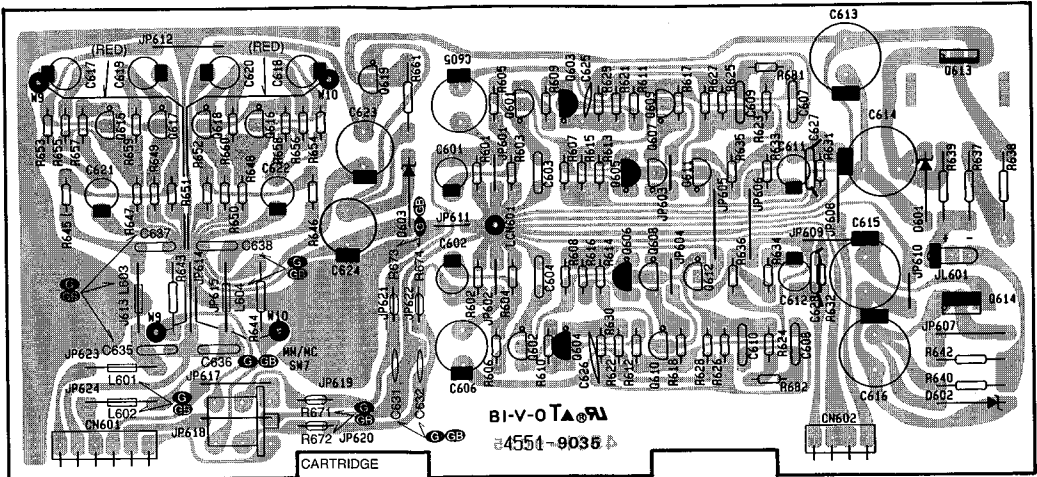
4551-9034

BI-V-O-TA

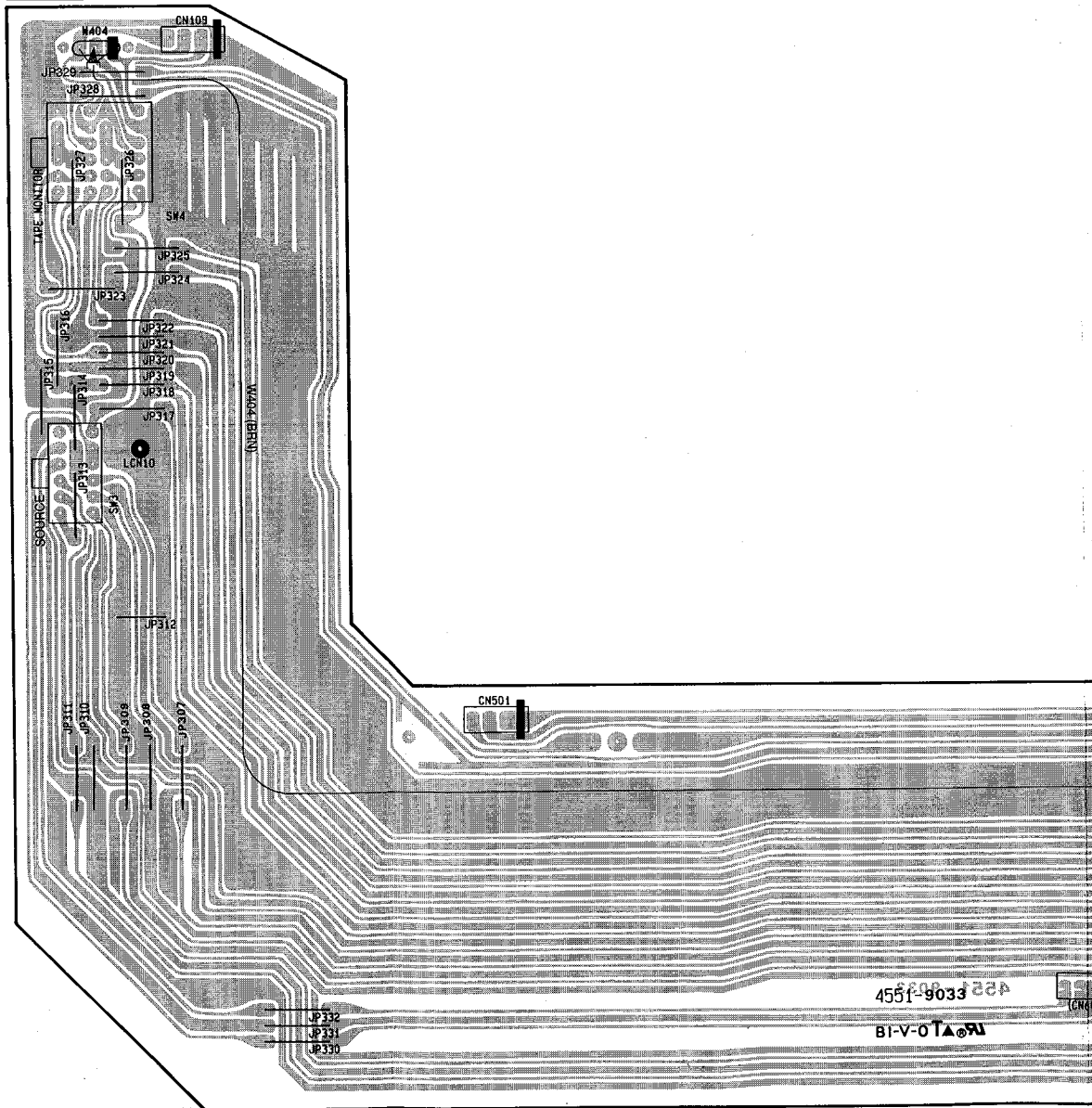
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P. C. BOARDS (2)

PCB-7 Phono P.C. Board



PCB-5 Function P.C. Board

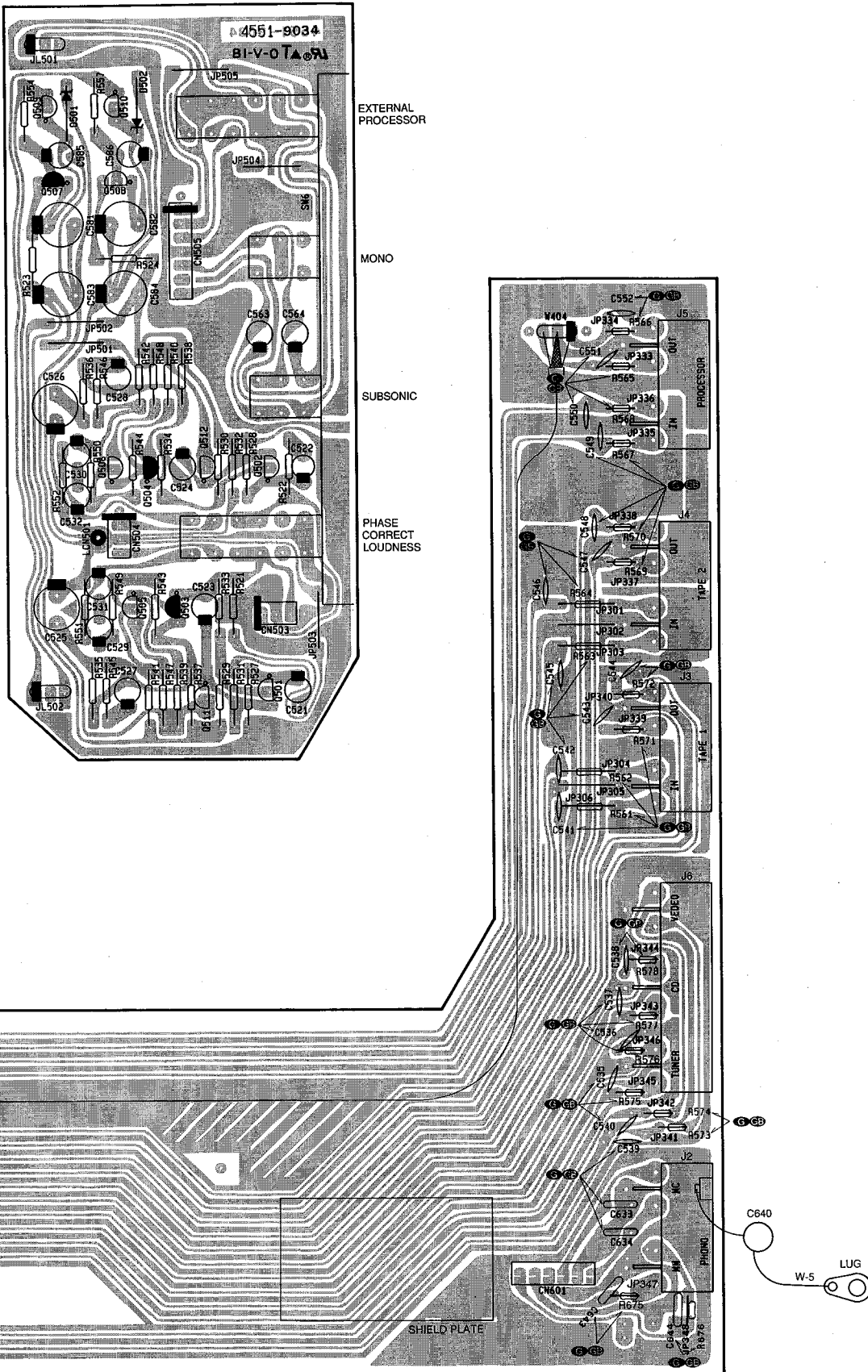


4551-9033

BI-V-O-T

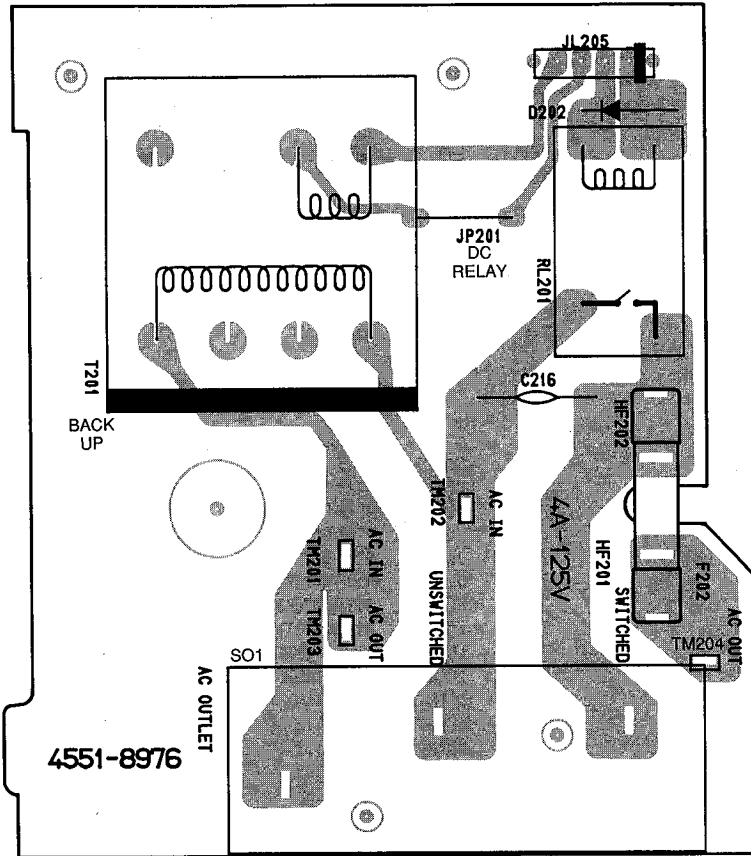
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PCB-6 Bass Cont P.C. Board

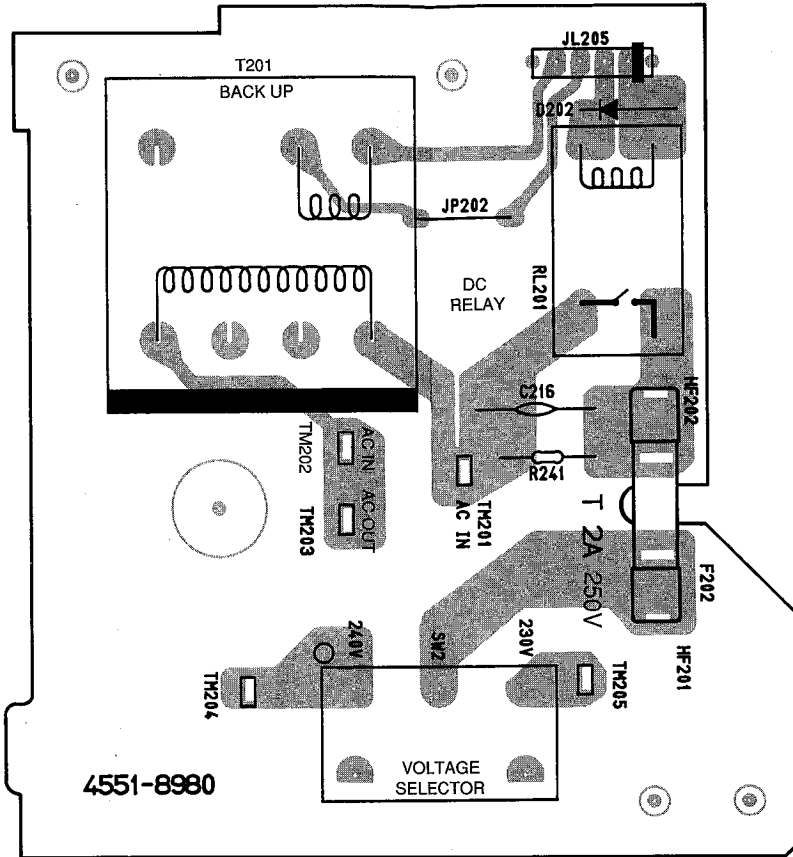


P. C. BOARDS (3)

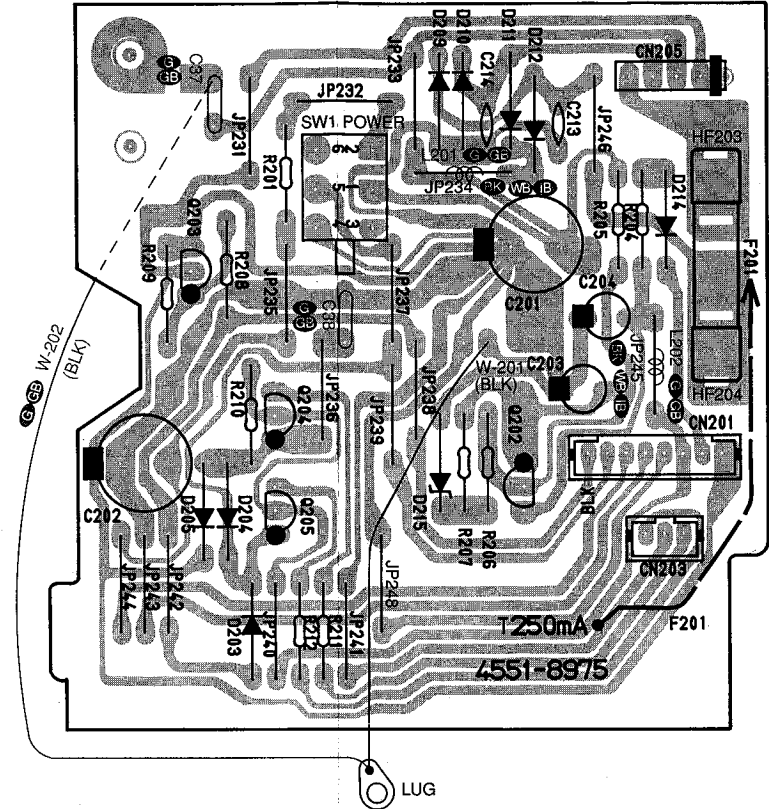
PCB-12 Power Relay P.C. Board BK



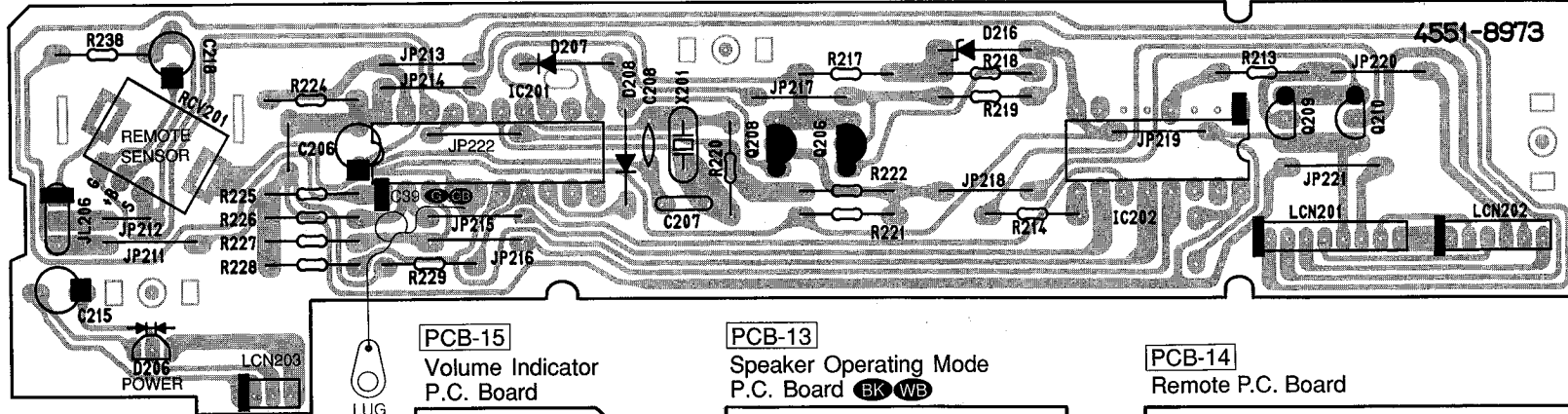
PCB-12 Power Relay P.C. Board G GB WB IB



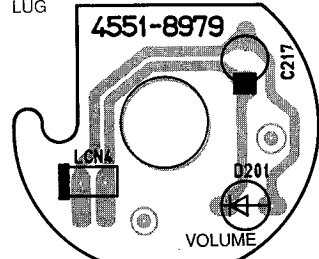
PCB-11 Power Switch P.C. Board



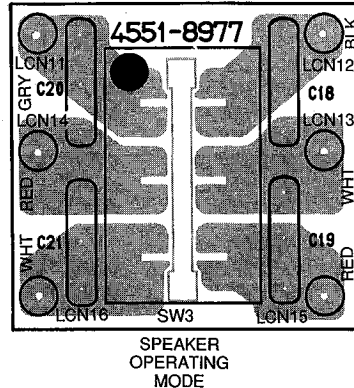
PCB-9 Remote Receiver P.C. Board



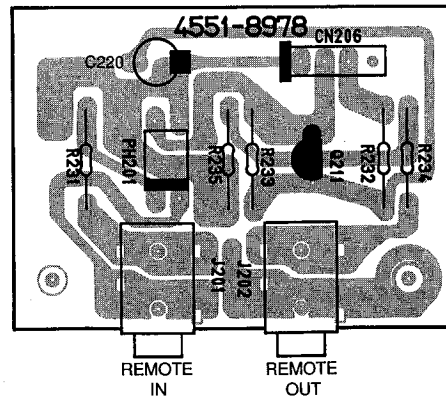
PCB-15 Volume Indicator P.C. Board



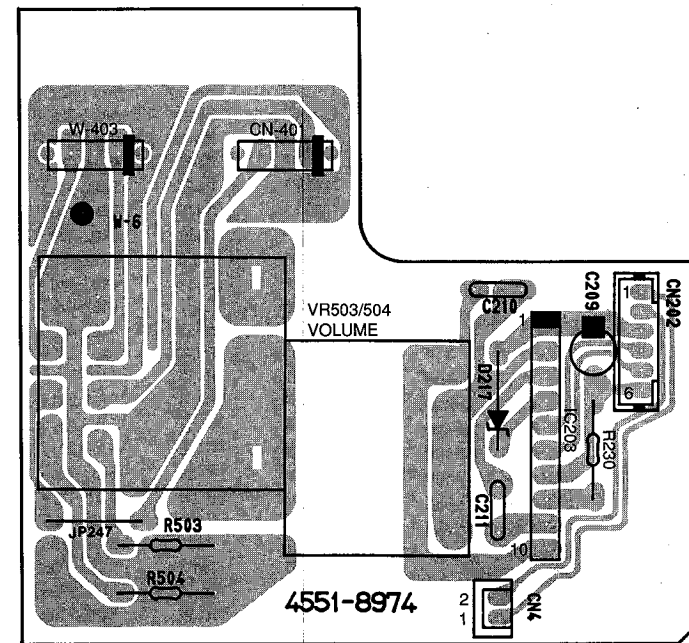
PCB-13 Speaker Operating Mode P.C. Board BK WB



PCB-14 Remote P.C. Board

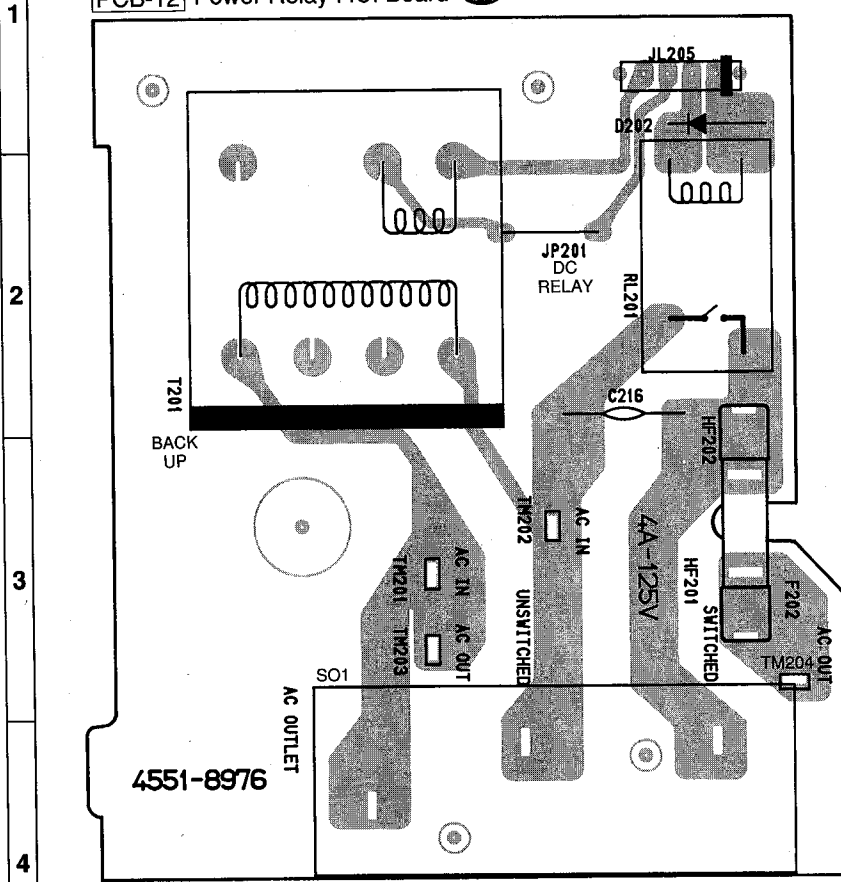


PCB-10 Volume P.C. Board

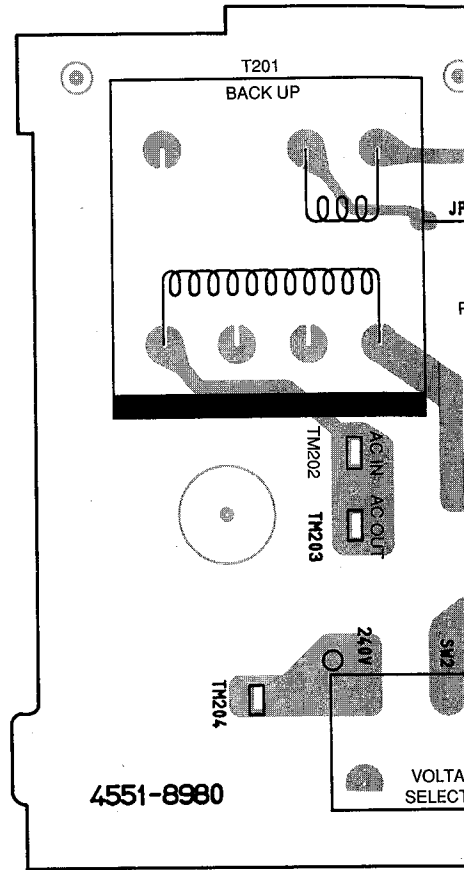


P. C. BOARDS (3)

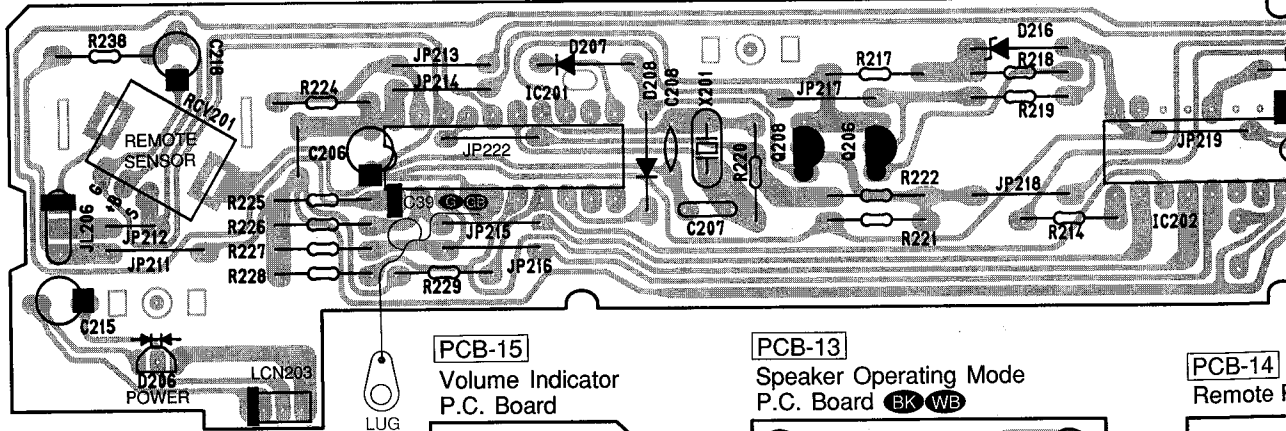
PCB-12 Power Relay P.C. Board **BK**



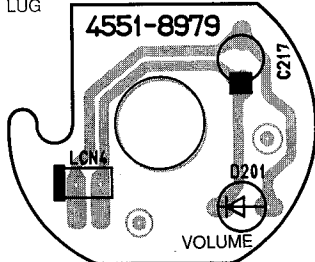
PCB-12 Power Relay P.C. Board **G GB**



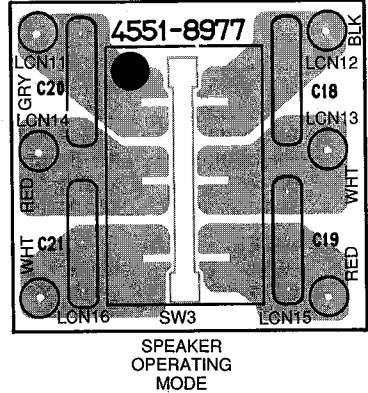
PCB-9 Remote Reciver P.C. Board



PCB-15 Volume Indicator P.C. Board



PCB-13 Speaker Operating Mode P.C. Board **BK WB**



PCB-14 Remote f



F

G

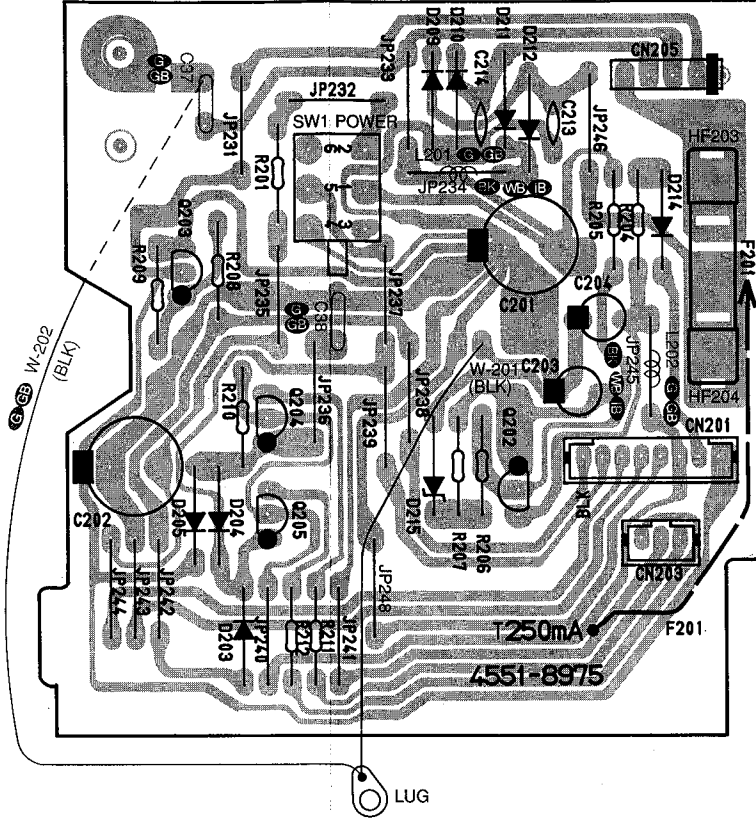
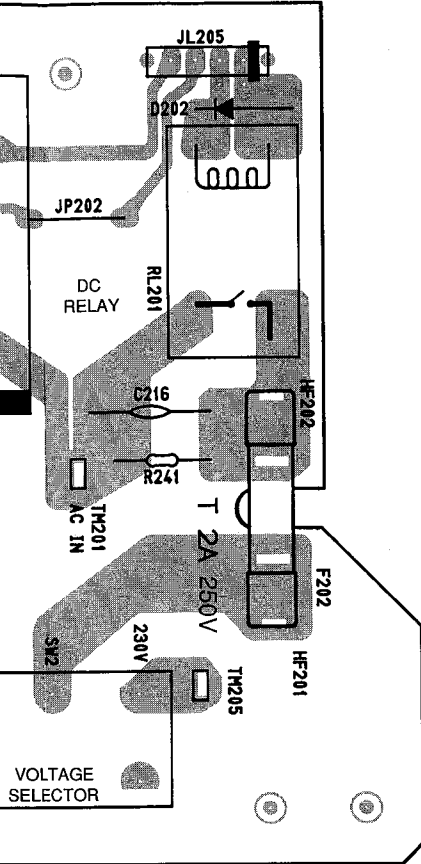
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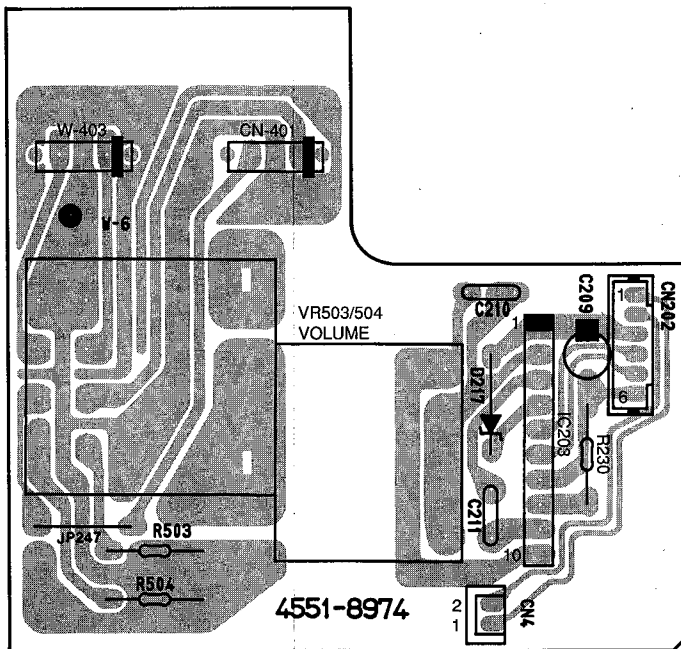
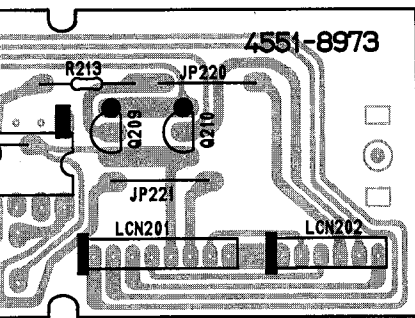
J

G GB WB IB

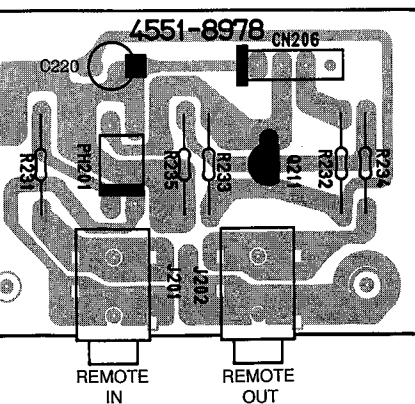
PCB-11 Power Switch P.C. Board



PCB-10 Volume P.C. Board



PCB-14 Remote P.C. Board



ELECTRICAL PARTS LIST

| Ser. No. | Ref. No. | Part No. | Description | Ser. No. | Ref. No. | Part No. | Description |
|------------------------------|----------|---------------|---------------------------|----------|----------|--------------|--------------------|
| PCB-1 MAIN P.C. BOARD | | | | | | | |
| CAPACITORS | | | | | | | |
| 662 | C2 | 5345-106F041 | CAP, MINI ELE 10μ/50V | 678 | R27 | 5135-335522 | RES, CBN 1/2P 3.3M |
| 689 | C3 | 5352-S060K104 | CAP, MTL .1μ BK WB | 670 | R28 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 689 | C4 | 5352-S060K104 | CAP, MTL .1μ BK WB | 667 | R31 | 5135-102522 | RES, CBN 1/2P 1K |
| 687 | △ C5 | 5341-002GM109 | CAP, ELE 10000μ/63V | 667 | R32 | 5135-102522 | RES, CBN 1/2P 1K |
| 687 | △ C6 | 5341-002GM109 | CAP, ELE 10000μ/63V | 603 | R401 | 5135-331522 | RES, CBN 1/2P 330 |
| 660 | C7 | 5345-106F041 | CAP, MINI ELE 10μ/50V | 603 | R402 | 5135-331522 | RES, CBN 1/2P 330 |
| 661 | C8 | 5345-S19BM107 | CAP, MINI ELE 100μ/10V | 604 | R403 | 5135-683522 | RES, CBN 1/2P 68K |
| 659 | C10 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V | 604 | R404 | 5135-683522 | RES, CBN 1/2P 68K |
| 663 | C15 | 5345-S19FM334 | CAP, MINI ELE .33μ/50V | 638 | △ R405 | 5102-3315116 | RES, FUSE 330 |
| 663 | C16 | 5345-S19FM334 | CAP, MINI ELE .33μ/50V | 638 | △ R406 | 5102-3315116 | RES, FUSE 330 |
| 664 | C17 | 5345-105J0962 | CAP, MINI ELE 1μ/100V | 638 | △ R407 | 5102-3315116 | RES, FUSE 330 |
| 057B | C35 | 5352-1041957 | CAP, MTL .1μ G GB | 638 | △ R408 | 5102-3315116 | RES, FUSE 330 |
| 581 | C401 | 5345-S19BM476 | CAP, MINI ELE 47μ/10V | 606 | R409 | 5135-822522 | RES, CBN 1/2P 8.2K |
| 581 | C402 | 5345-S19BM476 | CAP, MINI ELE 47μ/10V | 606 | R410 | 5135-822522 | RES, CBN 1/2P 8.2K |
| 589 | C403 | 5345-S19CM476 | CAP, MINI ELE 47μ/16V | 608 | R411 | 5135-390522 | RES, CBN 1/2P 39 |
| 589 | C404 | 5345-S19CM476 | CAP, MINI ELE 47μ/16V | 608 | R412 | 5135-390522 | RES, CBN 1/2P 39 |
| 582 | C405 | 5345-S19AM227 | CAP, MINI ELE 220μ/6.3V | 608 | R413 | 5135-390522 | RES, CBN 1/2P 39 |
| 582 | C406 | 5345-S19AM227 | CAP, MINI ELE 220μ/6.3V | 608 | R414 | 5135-390522 | RES, CBN 1/2P 39 |
| 592 | C407 | 5353-020934 | CAP, MCA 2P | 623 | R415 | 5135-222522 | RES, CBN 1/2P 2.2K |
| 592 | C408 | 5353-020934 | CAP, MCA 2P | 623 | R416 | 5135-222522 | RES, CBN 1/2P 2.2K |
| 590 | C409 | 5359-1015851 | CAP, PPP 100P | 609 | R417 | 5135-331522 | RES, CBN 1/2P 330 |
| 590 | C410 | 5359-1015851 | CAP, PPP 100P | 609 | R418 | 5135-331522 | RES, CBN 1/2P 330 |
| 583 | C411 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V | 604 | R419 | 5135-683522 | RES, CBN 1/2P 68K |
| 583 | C412 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V | 604 | R420 | 5135-683522 | RES, CBN 1/2P 68K |
| 595 | C413 | 5354-683593 | CAP, MYL .068μ | 638 | △ R421 | 5102-3315116 | RES, FUSE 330 |
| 595 | C414 | 5354-683593 | CAP, MYL .068μ | 638 | △ R422 | 5102-3315116 | RES, FUSE 330 |
| 595 | C415 | 5354-683593 | CAP, MYL .068μ | 638 | △ R423 | 5102-3315116 | RES, FUSE 330 |
| 595 | C416 | 5354-683593 | CAP, MYL .068μ | 638 | △ R424 | 5102-3315116 | RES, FUSE 330 |
| 583 | C417 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V | 610 | R425 | 5135-473522 | RES, CBN 1/2P 47K |
| 583 | C418 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V | 610 | R426 | 5135-473522 | RES, CBN 1/2P 47K |
| 584 | △ C421 | 5345-107G045 | CAP, MINI ELE 100μ/63V | 610 | R427 | 5135-473522 | RES, CBN 1/2P 47K |
| 584 | △ C422 | 5345-107G045 | CAP, MINI ELE 100μ/63V | 610 | R428 | 5135-473522 | RES, CBN 1/2P 47K |
| 584 | △ C423 | 5345-107G045 | CAP, MINI ELE 100μ/63V | 611 | R429 | 5135-224522 | RES, CBN 1/2P 220K |
| 584 | △ C424 | 5345-107G045 | CAP, MINI ELE 100μ/63V | 611 | R430 | 5135-224522 | RES, CBN 1/2P 220K |
| 593 | C475 | 5359-3315851 | CAP, PPP 330P | 618 | R431 | 5135-121522 | RES, CBN 1/2P 120 |
| 593 | C476 | 5359-3315851 | CAP, PPP 330P | 618 | R432 | 5135-121522 | RES, CBN 1/2P 120 |
| 067B | C481 | 5359-S010K101 | CAP, PPP 100P G GB | 612 | R433 | 5135-272522 | RES, CBN 1/2P 2.7K |
| 067B | C482 | 5359-S010K101 | CAP, PPP 100P G GB | 612 | R434 | 5135-272522 | RES, CBN 1/2P 2.7K |
| 580 | C503 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V | 613 | R435 | 5135-223522 | RES, CBN 1/2P 22K |
| 580 | C504 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V | 613 | R436 | 5135-223522 | RES, CBN 1/2P 22K |
| 585 | C505 | 5345-S19BM476 | CAP, MINI ELE 47μ/10V | 613 | R437 | 5135-223522 | RES, CBN 1/2P 22K |
| 585 | C506 | 5345-S19BM476 | CAP, MINI ELE 47μ/10V | 613 | R438 | 5135-223522 | RES, CBN 1/2P 22K |
| 596 | C507 | 5354-823J1HM | CAP, MYL .082μ | 624 | R439 | 5135-153522 | RES, CBN 1/2P 15K |
| 596 | C508 | 5354-823J1HM | CAP, MYL .082μ | 624 | R440 | 5135-153522 | RES, CBN 1/2P 15K |
| 600 | C509 | 5345-S19FM334 | CAP, MINI ELE .33μ/50V | 614 | R441 | 5135-123522 | RES, CBN 1/2P 12K |
| 600 | C510 | 5345-S19FM334 | CAP, MINI ELE .33μ/50V | 614 | R442 | 5135-123522 | RES, CBN 1/2P 12K |
| 586 | C511 | 5345-S19AM227 | CAP, MINI ELE 220μ/6.3V | 633 | R443 | 5174-222381 | RES, MTL 1/4P 2.2K |
| 586 | C512 | 5345-S19AM227 | CAP, MINI ELE 220μ/6.3V | 633 | R444 | 5174-222381 | RES, MTL 1/4P 2.2K |
| 597 | C513 | 5354-822J1HM | CAP, MYL 8200P | 633 | R445 | 5174-222381 | RES, MTL 1/4P 2.2K |
| 597 | C514 | 5354-822J1HM | CAP, MYL 8200P | 636 | △ R446 | 5102-4705116 | RES, FUSE 47 |
| 598 | C515 | 5354-563J1HM | CAP, MYL .056μ | 636 | △ R447 | 5102-4705116 | RES, FUSE 47 |
| 598 | C516 | 5354-563J1HM | CAP, MYL .056μ | 636 | △ R448 | 5102-4705116 | RES, FUSE 47 |
| 591 | C517 | 5359-6805851 | CAP, PPP 68P | 636 | △ R449 | 5102-4705116 | RES, FUSE 47 |
| 591 | C518 | 5359-6805851 | CAP, PPP 68P | 636 | △ R450 | 5102-4705116 | RES, FUSE 47 |
| RESISTORS | | | | | | | |
| 668 | R6 | 5135-103522 | RES, CBN 1/2P 10K | 636 | △ R451 | 5102-4705116 | RES, FUSE 47 |
| 670 | R9 | 5135-472522 | RES, CBN 1/2P 4.7K | 636 | △ R452 | 5102-4705116 | RES, FUSE 47 |
| 670 | R10 | 5135-472522 | RES, CBN 1/2P 4.7K | 636 | △ R453 | 5102-4705116 | RES, FUSE 47 |
| 668 | R11 | 5135-103522 | RES, CBN 1/2P 10K | 636 | △ R454 | 5102-4705116 | RES, FUSE 47 |
| 669 | R12 | 5135-104522 | RES, CBN 1/2P 100K | 628 | R455 | 5135-221522 | RES, CBN 1/2P 220 |
| 675 | R13 | 5135-683522 | RES, CBN 1/2P 68K | 628 | R456 | 5135-221522 | RES, CBN 1/2P 220 |
| 676 | R14 | 5135-333522 | RES, CBN 1/2P 33K | 615 | R457 | 5135-391522 | RES, CBN 1/2P 390 |
| 672 | R15 | 5135-223522 | RES, CBN 1/2P 22K | 615 | R458 | 5135-391522 | RES, CBN 1/2P 390 |
| 674 | R17 | 5135-562522 | RES, CBN 1/2P 5.6K | 625 | R459 | 5135-183522 | RES, CBN 1/2P 18K |
| 674 | R18 | 5135-562522 | RES, CBN 1/2P 5.6K | 625 | R460 | 5135-183522 | RES, CBN 1/2P 18K |
| 673 | R19 | 5135-821522 | RES, CBN 1/2P 820 | 625 | R461 | 5135-183522 | RES, CBN 1/2P 18K |
| 673 | R20 | 5135-821522 | RES, CBN 1/2P 820 | 625 | R462 | 5135-183522 | RES, CBN 1/2P 18K |
| 679 | R21 | 5135-101522 | RES, CBN 1/2P 100 | 617 | R463 | 5135-220522 | RES, CBN 1/2P 22 |
| 679 | R22 | 5135-101522 | RES, CBN 1/2P 100 | 617 | R464 | 5135-220522 | RES, CBN 1/2P 22 |
| 670 | R23 | 5135-472522 | RES, CBN 1/2P 4.7K | 617 | R465 | 5135-220522 | RES, CBN 1/2P 22 |
| 670 | R24 | 5135-472522 | RES, CBN 1/2P 4.7K | 617 | R466 | 5135-220522 | RES, CBN 1/2P 22 |
| 669 | R25 | 5135-104522 | RES, CBN 1/2P 100K | 637 | △ R467 | 5102-2205116 | RES, FUSE 22 |
| 675 | R26 | 5135-683522 | RES, CBN 1/2P 68K | 637 | △ R468 | 5102-2205116 | RES, FUSE 22 |
| | | | | 637 | △ R469 | 5102-2205116 | RES, FUSE 22 |
| | | | | 637 | △ R470 | 5102-2205116 | RES, FUSE 22 |
| | | | | 639 | R471/489 | 5273-R27672 | RES, CEM 3P .27 |
| | | | | 639 | R472/490 | 5273-R27672 | RES, CEM 3P .27 |

| Ser. No. | Ref. No. | Part No. | Description |
|----------|----------|--------------|-----------------------------------|
| 605 | R475 | 5135-331522 | RES, CBN 1/2P 330 BK WB IB |
| 605B | R475 | 5135-122522 | RES, CBN 1/2P 1.2K G GB |
| 605 | R476 | 5135-331522 | RES, CBN 1/2P 330 BK WB IB |
| 605B | R476 | 5135-122522 | RES, CBN 1/2P 1.2K G GB |
| 635 | △ R477 | 5102-5R65116 | RES, FUSE 5.6 |
| 635 | △ R478 | 5102-5R65116 | RES, FUSE 5.6 |
| 635 | △ R479 | 5102-5R65116 | RES, FUSE 5.6 |
| 635 | △ R480 | 5102-5R65116 | RES, FUSE 5.6 |
| 616 | R483 | 5135-820522 | RES, CBN 1/2P 82 |
| 616 | R484 | 5135-820522 | RES, CBN 1/2P 82 |
| 627 | R491 | 5175-100581 | RES, MTL 3P 10 |
| 627 | R492 | 5175-100581 | RES, MTL 3P 10 |
| 626 | R495 | 5171-1R0581 | RES, MTL 1P 1 |
| 626 | R496 | 5171-1R0581 | RES, MTL 1P 1 |
| 607 | R499 | 5135-680522 | RES, CBN 1/2P 68 |
| 607 | R500 | 5135-680522 | RES, CBN 1/2P 68 |
| 619 | R501 | 5135-331522 | RES, CBN 1/2P 330 |
| 619 | R502 | 5135-331522 | RES, CBN 1/2P 330 |
| 620 | R507 | 5135-822522 | RES, CBN 1/2P 8.2K |
| 620 | R508 | 5135-822522 | RES, CBN 1/2P 8.2K |
| 621 | R509 | 5135-152522 | RES, CBN 1/2P 1.5K |
| 621 | R510 | 5135-152522 | RES, CBN 1/2P 1.5K |
| 622 | R513 | 5135-271522 | RES, CBN 1/2P 270 |
| 622 | R514 | 5135-271522 | RES, CBN 1/2P 270 |
| 640 | R515 | 5135-331522 | RES, CBN 1/2P 330 |
| 640 | R516 | 5135-331522 | RES, CBN 1/2P 330 |
| 634 | △ R559 | 5102-4R75116 | RES, FUSE 4.7 |
| 634 | △ R560 | 5102-4R75116 | RES, FUSE 4.7 |

TRANSISTORS

| | | | |
|-----|--------|---------------|---------------|
| 652 | Q1 | 5611-933S(S) | XISTOR, PNP R |
| 651 | Q2 | 5613-1740S(S) | XISTOR, NPN R |
| 655 | Q3 | 5611-970(BL) | XISTOR, PNP R |
| 653 | Q4 | 5611-970(BL) | XISTOR, PNP R |
| 653 | Q5 | 5611-970(BL) | XISTOR, PNP R |
| 654 | Q7 | 5613-2240(BL) | XISTOR, NPN R |
| 561 | Q401 | 5613-2240(BL) | XISTOR, NPN R |
| 561 | Q402 | 5613-2240(BL) | XISTOR, NPN R |
| 561 | Q403 | 5613-2240(BL) | XISTOR, NPN R |
| 561 | Q404 | 5613-2240(BL) | XISTOR, NPN R |
| 562 | Q405 | 5613-2320L(F) | XISTOR, NPN R |
| 562 | Q406 | 5613-2320L(F) | XISTOR, NPN R |
| 562 | Q407 | 5613-2320L(F) | XISTOR, NPN R |
| 562 | Q408 | 5613-2320L(F) | XISTOR, NPN R |
| 563 | Q409 | 5611-970(BL) | XISTOR, PNP R |
| 563 | Q410 | 5611-970(BL) | XISTOR, PNP R |
| 574 | Q411 | 5613-2320L(F) | XISTOR, NPN R |
| 574 | Q412 | 5613-2320L(F) | XISTOR, NPN R |
| 573 | Q413 | 5613-2240(BL) | XISTOR, NPN R |
| 573 | Q414 | 5613-2240(BL) | XISTOR, NPN R |
| 578 | Q415 | 5611-999L(F) | XISTOR, PNP R |
| 578 | Q416 | 5611-999L(F) | XISTOR, PNP R |
| 564 | Q417 | 5612-646A(C) | XISTOR, PNP A |
| 564 | Q418 | 5612-646A(C) | XISTOR, PNP A |
| 565 | Q419 | 5614-666A(C) | XISTOR, NPN A |
| 565 | Q420 | 5614-666A(C) | XISTOR, NPN A |
| 564 | Q421 | 5612-646A(C) | XISTOR, PNP A |
| 564 | Q422 | 5612-646A(C) | XISTOR, PNP A |
| 565 | Q423 | 5614-666A(C) | XISTOR, NPN A |
| 565 | Q424 | 5614-666A(C) | XISTOR, NPN A |
| 566 | Q425 | 5613-945(P) | XISTOR, NPN R |
| 566 | Q426 | 5613-945(P) | XISTOR, NPN R |
| 567 | Q427 | 5613-3298(Y) | XISTOR, NPN R |
| 567 | Q428 | 5613-3298(Y) | XISTOR, NPN R |
| 587 | Q429 | 5611-1306(Y) | XISTOR, PNP R |
| 587 | Q430 | 5611-1306(Y) | XISTOR, PNP R |
| 569 | △ Q431 | 5613-3907(O) | XISTOR, NPN R |
| 569 | △ Q432 | 5613-3907(O) | XISTOR, NPN R |
| 571 | △ Q433 | 5611-1516(O) | XISTOR, PNP R |
| 571 | △ Q434 | 5611-1516(O) | XISTOR, PNP R |

DIODES

| | | | |
|-----|------|---------------|---------------|
| 681 | △ D1 | 5632-ERC102FL | DIODE, RECT |
| 681 | △ D2 | 5632-ERC102FL | DIODE, RECT |
| 681 | △ D3 | 5632-ERC102FL | DIODE, RECT |
| 681 | △ D4 | 5632-ERC102FL | DIODE, RECT |
| 656 | △ D5 | 5636-1S2471 | DIODE, SWITCH |

| Ser. No. | Ref. No. | Part No. | Description |
|----------------------|-----------|---------------|----------------------------|
| 656 | △ D6 | 5636-1S2471 | DIODE, SWITCH |
| 657 | D11 | 5635-HZ6B-1L | DIODE, ZENER |
| 658 | D13 | 5631-1S2473 | DIODE, DET |
| 658 | D14 | 5631-1S2473 | DIODE, DET |
| 575 | D407 | 5631-1S2473 | DIODE, DET |
| 575 | D408 | 5631-1S2473 | DIODE, DET |
| 576 | D409 | 5635-HZ12B2L | DIODE, ZENER |
| 576 | D410 | 5635-HZ12B2L | DIODE, ZENER |
| COILS | | | |
| 644 | L405 | 5991-7125 | SPRING COIL |
| 644 | L406 | 5991-7125 | SPRING COIL |
| CONTROLS | | | |
| 641 | VR401 | 5101-50171913 | RES, SEMI FIX 500 |
| 641 | VR402 | 5101-50171913 | RES, SEMI FIX 500 |
| 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 |
| MISCELLANEOUS | | | |
| 699 | CN502 | 4443-030185 | CONNECTOR |
| 699 | CN601 | 4443-030185 | CONNECTOR |
| 764 | JL107 | 4242-R0203600 | JUMPER LEAD |
| 762 | JL110 | 4242-R0104181 | JUMPER LEAD |
| 766 | JL505 | 4242-R0207141 | JUMPER LEAD |
| 755 | JL801L | 4132-R0202800 | CORD, 2C |
| 755 | JL801R | 4132-R0202800 | CORD, 2C |
| 747 | LCN2 | 4163-0140026 | CONNECTOR W/W |
| 748 | LCN3 | 4163-0140027 | CONNECTOR W/W |
| 749 | LCN4 | 4163-0140024 | CONNECTOR W/W |
| 750 | LCN5 | 4163-0140025 | CONNECTOR W/W |
| 751 | LCN7 | 4163-0112024 | CONNECTOR W/W |
| 751 | LCN8 | 4163-0112024 | CONNECTOR W/W |
| 695 | TM101 | 4214-11023 | TERMINAL |
| 694 | △ TM110 | 4214-11033 | TERMINAL |
| 693 | △ TM111 | 4214-11021 | TERMINAL BK WB |
| 694 | △ TM112 | 4214-11033 | TERMINAL |

PCB-2 SPEAKERS TERMINAL P.C. BOARD

| Ser. No. | Ref. No. | Part No. | Description |
|----------------------|----------|---------------|---------------------------------|
| CAPACITORS | | | |
| 683 | C31 | 5359-S010K151 | CAP, PPP 150P BK G GB IB |
| 683 | C32 | 5359-S010K151 | CAP, PPP 150P BK G GB IB |
| 684 | C33 | 5359-S010K151 | CAP, PPP 150P BK G GB IB |
| 684 | C34 | 5359-S010K151 | CAP, PPP 150P BK G GB IB |
| 685 | C40 | 5354-104593 | CAP, MYL .1μ BK IB |
| 685 | C41 | 5354-104593 | CAP, MYL .1μ BK IB |
| MISCELLANEOUS | | | |
| 686 | LUG | 4211-4 | LUG, W-16 BK IB |
| 743 | TM10 | 4214-156 | TERMINAL, SPEAKERS |

PCB-3 HEADPHONES P.C. BOARD

| Ser. No. | Ref. No. | Part No. | Description |
|----------------------|----------|-------------|----------------------|
| MISCELLANEOUS | | | |
| 736 | J1 | 4451-51501 | JACK, 1P, HEADPHONES |
| 761 | JL120 | 4242-043805 | JUMPER LEAD |

PCB-4 SPEAKERS SWITCH P.C. BOARD

| Ser. No. | Ref. No. | Part No. | Description |
|----------------------|----------|---------------|--------------------------|
| RESISTORS | | | |
| 632 | R497 | 5135-681522 | RES, CBN 1/2P 680 |
| 632 | R498 | 5135-681522 | RES, CBN 1/2P 680 |
| MISCELLANEOUS | | | |
| 765 | JL108 | 4242-R0103101 | JUMPER LEAD |
| 729 | SW5 | 4411-00306403 | SWITCH, ROTARY, SPEAKERS |

PCB-5 FUNCTION P.C. BOARD

| Ser. No. | Ref. No. | Part No. | Description |
|-------------------|----------|---------------|---------------------------|
| CAPACITORS | | | |
| 077B | C535 | 5359-S010K101 | CAP, PPP 100P G GB |

| Ser. No. | Ref. No. | Part No. | Description | Ser. No. | Ref. No. | Part No. | Description |
|-----------------------------------|----------|---------------|---|-------------------------------|----------------|----------------|--|
| 077B | C536 | 5359-S010K101 | CAP, PPP 100P G GB | 812 | C564 | 5345-S19FM474 | CAP, MINI ELE .47μ/50V |
| 065B | C537 | 5361-101KSL | CAP, CER 100P G GB | 809 | C581 | 5345-227D041 | CAP, MINI ELE 220μ/25V |
| 064B | C538 | 5361-101KSL | CAP, CER 100P G GB | 809 | C582 | 5345-227D041 | CAP, MINI ELE 220μ/25V |
| 064B | C539 | 5361-101KSL | CAP, CER 100P G GB | 809 | C583 | 5345-227D041 | CAP, MINI ELE 220μ/25V |
| 064B | C540 | 5361-101KSL | CAP, CER 100P G GB | 809 | C584 | 5345-227D041 | CAP, MINI ELE 220μ/25V |
| 064B | C541 | 5361-101KSL | CAP, CER 100P G GB | 813 | C585 | 5345-476G0962 | CAP, MINI ELE 47μ/63V |
| 064B | C542 | 5361-101KSL | CAP, CER 100P G GB | 813 | C586 | 5345-476G0962 | CAP, MINI ELE 47μ/63V |
| 064B | C543 | 5361-101KSL | CAP, CER 100P G GB | RESISTORS | | | |
| 064B | C544 | 5361-101KSL | CAP, CER 100P G GB | 814 | R521 | 5135-471522 | RES, CBN 1/2P 470 |
| 064B | C545 | 5361-101KSL | CAP, CER 100P G GB | 814 | R522 | 5135-471522 | RES, CBN 1/2P 470 |
| 065B | C546 | 5361-101KSL | CAP, CER 100P G GB | 824 | R523 | 5135-220522 | RES, CBN 1/2P 22 |
| 064B | C547 | 5361-101KSL | CAP, CER 100P G GB | 824 | R524 | 5135-220522 | RES, CBN 1/2P 22 |
| 065B | C548 | 5361-101KSL | CAP, CER 100P G GB | 816 | R527 | 5135-104522 | RES, CBN 1/2P 100K |
| 065B | C549 | 5361-101KSL | CAP, CER 100P G GB | 816 | R528 | 5135-104522 | RES, CBN 1/2P 100K |
| 065B | C550 | 5361-101KSL | CAP, CER 100P G GB | 817 | R529 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 064B | C551 | 5361-101KSL | CAP, CER 100P G GB | 817 | R530 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 065B | C552 | 5361-101KSL | CAP, CER 100P G GB | 817 | R531 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 059B | C633 | 5359-1215851 | CAP, PPP 120P G GB | 817 | R532 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 059B | C634 | 5359-1215851 | CAP, PPP 120P G GB | 818 | R533 | 5135-183522 | RES, CBN 1/2P 18K |
| 058B | C640 | 5361-103ZF | CAP, CER .01μ G GB | 818 | R534 | 5135-183522 | RES, CBN 1/2P 18K |
| 064B | C643 | 5361-101KSL | CAP, CER 100P G GB | 819 | R535 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 064B | C644 | 5361-101KSL | CAP, CER 100P G GB | 819 | R536 | 5135-472522 | RES, CBN 1/2P 4.7K |
| RESISTORS | | | | 820 | R537 | 5135-562522 | RES, CBN 1/2P 5.6K |
| 066B | R561 | 5135-102522 | RES, CBN 1/2P 1K G GB | 820 | R538 | 5135-562522 | RES, CBN 1/2P 5.6K |
| 066B | R562 | 5135-102522 | RES, CBN 1/2P 1K G GB | 817 | R539 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 066B | R563 | 5135-102522 | RES, CBN 1/2P 1K G GB | 817 | R540 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 066B | R564 | 5135-102522 | RES, CBN 1/2P 1K G GB | 817 | R541 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 061B | R565 | 5232-102J16P | RES, CBN 1/6P 1K G GB | 817 | R542 | 5135-332522 | RES, CBN 1/2P 3.3K |
| 061B | R566 | 5232-102J16P | RES, CBN 1/6P 1K G GB | 819 | R543 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 061B | R567 | 5232-102J16P | RES, CBN 1/6P 1K G GB | 819 | R544 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 061B | R568 | 5232-102J16P | RES, CBN 1/6P 1K G GB | 821 | R545 | 5135-331522 | RES, CBN 1/2P 330 |
| 061B | R569 | 5232-102J16P | RES, CBN 1/6P 1K G GB | 821 | R546 | 5135-331522 | RES, CBN 1/2P 330 |
| 061B | R570 | 5232-102J16P | RES, CBN 1/6P 1K G GB | 823 | R547 | 5135-221522 | RES, CBN 1/2P 220 |
| 061B | R571 | 5232-102J16P | RES, CBN 1/6P 1K G GB | 823 | R548 | 5135-221522 | RES, CBN 1/2P 220 |
| 061B | R572 | 5232-102J16P | RES, CBN 1/6P 1K G GB | 821 | R549 | 5135-331522 | RES, CBN 1/2P 330 |
| 061B | R573 | 5232-102J16P | RES, CBN 1/6P 1K G GB | 821 | R550 | 5135-331522 | RES, CBN 1/2P 330 |
| 061B | R574 | 5232-102J16P | RES, CBN 1/6P 1K G GB | 822 | R551 | 5135-104522 | RES, CBN 1/2P 100K |
| 061B | R575 | 5232-102J16P | RES, CBN 1/6P 1K G GB | 822 | R552 | 5135-104522 | RES, CBN 1/2P 100K |
| 061B | R576 | 5232-102J16P | RES, CBN 1/6P 1K G GB | 830 | △ R554 | 5102-8215116 | RES, FUSE 820 |
| 061B | R577 | 5232-102J16P | RES, CBN 1/6P 1K G GB | 830 | △ R557 | 5102-8215116 | RES, FUSE 820 |
| 061B | R578 | 5232-102J16P | RES, CBN 1/6P 1K G GB | TRANSISTORS | | | |
| 061B | R675 | 5232-102J16P | RES, CBN 1/6P 1K G GB | 801 | Q501 | 5613-2240(BL) | XISTOR, NPN R |
| 061B | R676 | 5232-102J16P | RES, CBN 1/6P 1K G GB | 801 | Q502 | 5613-2240(BL) | XISTOR, NPN R |
| MISCELLANEOUS | | | | 802 | Q503 | 5611-970(BL) | XISTOR, PNP R |
| 700 | CN109 | 4443-030185 | CONNECTOR | 826 | Q504 | 5611-970(BL) | XISTOR, PNP R |
| 700 | CN501 | 4443-030185 | CONNECTOR | 801 | Q505 | 5613-2240(BL) | XISTOR, NPN R |
| 753 | LCN10 | 4163-0110039 | CONNECTOR W/W | 801 | Q506 | 5613-2240(BL) | XISTOR, NPN R |
| 063B | LUG | 4211-4 | LUG, W-4, 5 G GB | 804 | Q507 | 5612-647(C) | XISTOR, PNP A |
| 737 | J2 | 4484-46 | PIN JACK, 4P, PHONO | 803 | Q508 | 5614-667(C) | XISTOR, NPN A |
| 738 | J3 | 4484-46 | PIN JACK, 4P, TAPE 1 IN/OUT | 829 | Q509 | 5616-2SK373(Y) | FET, N-CH |
| 738 | J4 | 4484-46 | PIN JACK, 4P, TAPE 2 IN/OUT | 829 | Q510 | 5616-2SK373(Y) | FET, N-CH |
| 738 | J5 | 4484-46 | PIN JACK, 4P, EXTERNAL PROCESSOR IN/OUT | 828 | Q511 | 5616-2SK246(Y) | FET, N-CH |
| 739 | J6 | 4486-15 | PIN JACK, 6P, CD/TUNER/VIDEO | 828 | Q512 | 5616-2SK246(Y) | FET, N-CH |
| 723 | SW3 | 4411-00214204 | SWITCH, ROTARY, SOURCE | 805 | D501 | 5635-HZ12B2L | DIODE, ZENER |
| 726 | SW4 | 4411-00213404 | SWITCH, ROTARY, TAPE MONITOR | 805 | D502 | 5635-HZ12B2L | DIODE, ZENER |
| PCB-6 BASS CONT P.C. BOARD | | | | MISCELLANEOUS | | | |
| CAPACITORS | | | | 702 | CN503 | 4443-030185 | CONNECTOR |
| 806 | C521 | 5345-S19FM104 | CAP, MINI ELE .1μ/50V | 702 | CN504 | 4443-030185 | CONNECTOR |
| 806 | C522 | 5345-S19FM104 | CAP, MINI ELE .1μ/50V | 703 | CN505 | 4443-070185 | CONNECTOR |
| 810 | C523 | 5345-154F0951 | CAP, MINI ELE .15μ/50V | 767 | JL501 | 4242-R0203800 | JUMPER LEAD |
| 810 | C524 | 5345-154F0951 | CAP, MINI ELE .15μ/50V | 767 | JL502 | 4242-R0203800 | JUMPER LEAD |
| 808 | C525 | 5345-107D041 | CAP, MINI ELE 100μ/25V | 754 | LCN501 | 4163-0119020 | CONNECTOR W/W |
| 808 | C526 | 5345-107D041 | CAP, MINI ELE 100μ/25V | 731 | SW6A/B/ C/D | 4431-04121710 | SWITCH, PUSH, PHASE CORRECT LOUDNESS, SUBSONIC, MONO, EXTERNAL PROCESSOR |
| 811 | C527 | 5345-S19FM334 | CAP, MINI ELE .33μ/50V | PCB-7 PHONO P.C. BOARD | | | |
| 811 | C528 | 5345-S19FM334 | CAP, MINI ELE .33μ/50V | CAPACITORS | | | |
| 807 | C529 | 5345-S19FM474 | CAP, MINI ELE .47μ/50V | 509 | C601 | 5345-S19DM475 | CAP, MINI ELE 4.7μ/25V |
| 807 | C530 | 5345-S19FM474 | CAP, MINI ELE .47μ/50V | 509 | C602 | 5345-S19DM475 | CAP, MINI ELE 4.7μ/25V |
| 807 | C531 | 5345-S19FM474 | CAP, MINI ELE .47μ/50V | | | | |
| 807 | C532 | 5345-S19FM474 | CAP, MINI ELE .47μ/50V | | | | |
| 812 | C563 | 5345-S19FM474 | CAP, MINI ELE .47μ/50V | | | | |

| Ser. No. | Ref. No. | Part No. | Description | Ser. No. | Ref. No. | Part No. | Description | | |
|------------------|----------|---------------|---------------------------------|----------------------------------|----------|---------------|----------------------------------|------------------|-------------------------|
| 513 | C603 | 5359-1215851 | CAP, PPP 120P | 551B | R645 | 5232-100J16P | RES, CBN 1/6P 10 G GB | | |
| 513 | C604 | 5359-1215851 | CAP, PPP 120P | 551 | R646 | 5232-1R0J16P | RES, CBN 1/6P 1 BK WB IB | | |
| 510 | C605 | 5345-S19AM227 | CAP, MINI ELE 220μ/6.3V | 551B | R646 | 5232-100J16P | RES, CBN 1/6P 10 G GB | | |
| 510 | C606 | 5345-S19AM227 | CAP, MINI ELE 220μ/6.3V | 552 | R647 | 5232-121J16P | RES, CBN 1/6P 120 | | |
| 514 | C607 | 5359-5625851 | CAP, PPP 5600P | 552 | R648 | 5232-121J16P | RES, CBN 1/6P 120 | | |
| 514 | C608 | 5359-5625851 | CAP, PPP 5600P | 553 | R649 | 5178-220381 | RES, MTL 1/6P 22 | | |
| 515 | C609 | 5359-2025851 | CAP, PPP 2000P | 553 | R650 | 5178-220381 | RES, MTL 1/6P 22 | | |
| 515 | C610 | 5359-2025851 | CAP, PPP 2000P | 554 | R651 | 5232-560J16P | RES, CBN 1/6P 56 BK WB IB | | |
| 511 | C611 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V | 554B | R651 | 5232-470J16P | RES, CBN 1/6P 47 G GB | | |
| 511 | C612 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V | 554 | R652 | 5232-560J16P | RES, CBN 1/6P 56 BK WB IB | | |
| 512 | C613 | 5345-227D041 | CAP, MINI ELE 220μ/25V | 554B | R652 | 5232-470J16P | RES, CBN 1/6P 47 G GB | | |
| 512 | C614 | 5345-227D041 | CAP, MINI ELE 220μ/25V | 555 | R653 | 5232-272J16P | RES, CBN 1/6P 2.7K | | |
| 512 | C615 | 5345-227D041 | CAP, MINI ELE 220μ/25V | 555 | R654 | 5232-272J16P | RES, CBN 1/6P 2.7K | | |
| 512 | C616 | 5345-227D041 | CAP, MINI ELE 220μ/25V | 555 | R655 | 5232-121J16P | RES, CBN 1/6P 120 | | |
| 546 | C617 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V | 552 | R656 | 5232-121J16P | RES, CBN 1/6P 120 | | |
| 546 | C618 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V | 556 | R657 | 5178-681381 | RES, MTL 1/6P 680 | | |
| 547 | C619 | 5345-S19BM107 | CAP, MINI ELE 100μ/10V | 556 | R658 | 5178-681381 | RES, MTL 1/6P 680 | | |
| 547 | C620 | 5345-S19BM107 | CAP, MINI ELE 100μ/10V | 557 | R659 | 5232-562J16P | RES, CBN 1/6P 5.6K | | |
| 549 | C621 | 5345-477C041 | CAP, MINI ELE 470μ/16V | 557 | R660 | 5232-562J16P | RES, CBN 1/6P 5.6K | | |
| 549 | C622 | 5345-477C041 | CAP, MINI ELE 470μ/16V | 559 | R661 | 5135-152522 | RES, CBN 1/2P 1.5K | | |
| 548 | C623 | 5345-337C041 | CAP, MINI ELE 330μ/16V | 055B | R671 | 5232-102J16P | RES, CBN 1/6P 1K G GB | | |
| 548 | C624 | 5345-337C041 | CAP, MINI ELE 330μ/16V | 055B | R672 | 5232-102J16P | RES, CBN 1/6P 1K G GB | | |
| 508 | C625 | 5353-040934 | CAP, MCA 4P | 055B | R673 | 5232-102J16P | RES, CBN 1/6P 1K G GB | | |
| 508 | C626 | 5353-040934 | CAP, MCA 4P | 055B | R674 | 5232-102J16P | RES, CBN 1/6P 1K G GB | | |
| 516 | C627 | 5359-6825851 | CAP, PPP 6800P | 531 | R681 | 5232-222J16P | RES, CBN 1/6P 2.2K | | |
| 516 | C628 | 5359-6825851 | CAP, PPP 6800P | 531 | R682 | 5232-222J16P | RES, CBN 1/6P 2.2K | | |
| 056B | C631 | 5353-820534 | CAP, MCA 82P G GB | TRANSISTORS | | | | 5613-2320L(F) | XISTOR, NPN R |
| 056B | C632 | 5353-820534 | CAP, MCA 82P G GB | 501 | Q601 | 5613-2320L(F) | XISTOR, NPN R | | |
| 060B | C635 | 5359-S010J103 | CAP, PPP .01μ G GB | 501 | Q602 | 5613-2320L(F) | XISTOR, NPN R | | |
| 060B | C636 | 5359-S010J103 | CAP, PPP .01μ G GB | 504 | Q603 | 5611-999L(F) | XISTOR, PNP R | | |
| 060B | C637 | 5359-S010J103 | CAP, PPP .01μ G GB | 504 | Q604 | 5611-999L(F) | XISTOR, PNP R | | |
| 060B | C638 | 5359-S010J103 | CAP, PPP .01μ G GB | 505 | Q605 | 5611-999L(F) | XISTOR, PNP R | | |
| RESISTORS | | | | 505 | Q606 | 5611-999L(F) | XISTOR, PNP R | | |
| 517 | R601 | 5232-823J16P | RES, CBN 1/6P 82K | 501 | Q607 | 5613-2320L(F) | XISTOR, NPN R | | |
| 517 | R602 | 5232-823J16P | RES, CBN 1/6P 82K | 501 | Q608 | 5613-2320L(F) | XISTOR, NPN R | | |
| 518 | R603 | 5232-124J16P | RES, CBN 1/6P 120K | 501 | Q609 | 5613-2320L(F) | XISTOR, NPN R | | |
| 518 | R604 | 5232-124J16P | RES, CBN 1/6P 120K | 501 | Q610 | 5613-2320L(F) | XISTOR, NPN R | | |
| 519 | R605 | 5232-221J16P | RES, CBN 1/6P 220 | 501 | Q611 | 5613-2320L(F) | XISTOR, NPN R | | |
| 519 | R606 | 5232-221J16P | RES, CBN 1/6P 220 | 501 | Q612 | 5613-2320L(F) | XISTOR, NPN R | | |
| 520 | R607 | 5178-122381 | RES, MTL 1/6P 1.2K | 503 | Q613 | 5614-1266(Q) | XISTOR, NPN A | | |
| 520 | R608 | 5178-122381 | RES, MTL 1/6P 1.2K | 506 | Q614 | 5612-941(Q) | XISTOR, PNP A | | |
| 521 | R609 | 5178-220381 | RES, MTL 1/6P 22 | 542 | Q615 | 5613-2855(E) | XISTOR, NPN R | | |
| 521 | R610 | 5178-220381 | RES, MTL 1/6P 22 | 542 | Q616 | 5613-2855(E) | XISTOR, NPN R | | |
| 522 | R611 | 5178-122381 | RES, MTL 1/6P 1.2K | 542 | Q617 | 5613-2855(E) | XISTOR, NPN R | | |
| 522 | R612 | 5178-122381 | RES, MTL 1/6P 1.2K | 542 | Q618 | 5613-2855(E) | XISTOR, NPN R | | |
| 523 | R613 | 5232-223J16P | RES, CBN 1/6P 22K | 543 | Q619 | 5613-2320L(F) | XISTOR, NPN R | | |
| 523 | R614 | 5232-223J16P | RES, CBN 1/6P 22K | DIODES | | | | 5635-HZ18-2L | DIODE, ZENER |
| 532 | R615 | 5232-820J16P | RES, CBN 1/6P 82 | 507 | D601 | 5635-HZ18-2L | DIODE, ZENER | | |
| 532 | R616 | 5232-820J16P | RES, CBN 1/6P 82 | 507 | D602 | 5635-HZ18-2L | DIODE, ZENER | | |
| 524 | R617 | 5232-121J16P | RES, CBN 1/6P 120 | 544 | D603 | 5635-HZ12B2L | DIODE, ZENER | | |
| 524 | R618 | 5232-121J16P | RES, CBN 1/6P 120 | COILS | | | | 5597-45502 | CORE, BEADS G GB |
| 525 | R621 | 5232-821J16P | RES, CBN 1/6P 820 | 062B | L601 | 5597-45502 | CORE, BEADS G GB | | |
| 525 | R622 | 5232-821J16P | RES, CBN 1/6P 820 | 062B | L602 | 5597-45502 | CORE, BEADS G GB | | |
| 526 | R623 | 5232-393J16P | RES, CBN 1/6P 39K | 062B | L603 | 5597-45502 | CORE, BEADS G GB | | |
| 526 | R624 | 5232-393J16P | RES, CBN 1/6P 39K | 062B | L604 | 5597-45502 | CORE, BEADS G GB | | |
| 527 | R625 | 5232-564J16P | RES, CBN 1/6P 560K | MISCELLANEOUS | | | | 4443-067175 | CONNECTOR |
| 527 | R626 | 5232-564J16P | RES, CBN 1/6P 560K | 706 | CN601 | 4443-067175 | CONNECTOR | | |
| 528 | R627 | 5232-334J16P | RES, CBN 1/6P 330K | 705 | CN602 | 4443-047175 | CONNECTOR | | |
| 528 | R628 | 5232-334J16P | RES, CBN 1/6P 330K | 771 | JL601 | 4242-R0203800 | JUMPER LEAD | | |
| 529 | R629 | 5232-102J16P | RES, CBN 1/6P 1K | 752 | LCN601 | 4163-0135039 | CONNECTOR W/W | | |
| 529 | R630 | 5232-102J16P | RES, CBN 1/6P 1K | 071B | | 4132-R0102600 | CORD, 2C G GB | | |
| 530 | R631 | 5232-104J16P | RES, CBN 1/6P 100K | 072B | LUG | 4211-4 | LUG, W-20, 21 G GB | | |
| 530 | R632 | 5232-104J16P | RES, CBN 1/6P 100K | 733 | SW7 | 4431-S0315102 | SWITCH, PUSH, CARTRIDGE | | |
| 535 | R633 | 5135-331522 | RES, CBN 1/2P 330 | PCB-8 BIAS LCH P.C. BOARD | | | | RESISTORS | |
| 535 | R634 | 5135-331522 | RES, CBN 1/2P 330 | 630 | R801L | 5135-182522 | RES, CBN 1/2P 1.8K | | |
| 531 | R635 | 5232-222J16P | RES, CBN 1/6P 2.2K | 631 | R802L | 5135-122522 | RES, CBN 1/2P 1.2K | | |
| 531 | R636 | 5252-222J16P | RES, CBN 1/6P 2.2K | RESISTORS | | | | 5135-182522 | RES, CBN 1/2P 1.8K |
| 538 | △ R637 | 5102-6804715 | RES, FUSE 68 | RESISTORS | | | | 5135-122522 | RES, CBN 1/2P 1.2K |
| 537 | R638 | 5135-680522 | RES, CBN 1/2P 68 | RESISTORS | | | | 5135-122522 | RES, CBN 1/2P 1.2K |
| 533 | R639 | 5135-123522 | RES, CBN 1/2P 12K | RESISTORS | | | | 5135-122522 | RES, CBN 1/2P 1.2K |
| 534 | R640 | 5135-153522 | RES, CBN 1/2P 15K | RESISTORS | | | | 5135-122522 | RES, CBN 1/2P 1.2K |
| 539 | △ R642 | 5102-1814715 | RES, FUSE 180 | RESISTORS | | | | 5135-122522 | RES, CBN 1/2P 1.2K |
| 550 | R643 | 5135-822522 | RES, CBN 1/2P 8.2K | RESISTORS | | | | 5135-122522 | RES, CBN 1/2P 1.2K |
| 550 | R644 | 5135-822522 | RES, CBN 1/2P 8.2K | RESISTORS | | | | 5135-122522 | RES, CBN 1/2P 1.2K |
| 551 | R645 | 5232-1R0J16P | RES, CBN 1/6P 1 BK WB IB | RESISTORS | | | | 5135-122522 | RES, CBN 1/2P 1.2K |

| Ser. No. | Ref. No. | Part No. | Description |
|----------------------|----------|--------------|---------------|
| SEMICONDUCTOR | | | |
| 579 | Q801L | 5613-2682(Q) | XISTOR, NPN R |

| Ser. No. | Ref. No. | Part No. | Description |
|----------|----------|-------------|-------------|
| 647 | CN401 | 4443-030185 | CONNECTOR |

PCB-9 REMOTE RECIVER P.C. BOARD

| CAPACITORS | | | |
|----------------------------|--------|---------------|-------------------------------|
| 075B | C39 | 5361-103ZF | CAP, CER .01μ G GB |
| 858 | C206 | 5345-476B041 | CAP, MINI ELE 470μ/10V |
| 861 | C207 | 5361-101JCH | CAP, CER 100P |
| 861 | C208 | 5361-101JCH | CAP, CER 100P |
| 860 | C215 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V |
| 869 | C218 | 5345-107B041 | CAP, MINI ELE 100μ/10V |
| RESISTORS | | | |
| 877 | R213 | 5135-103522 | RES, CBN 1/2P 10K |
| 877 | R214 | 5135-103522 | RES, CBN 1/2P 10K |
| 874 | R217 | 5135-102522 | RES, CBN 1/2P 1K |
| 874 | R218 | 5135-102522 | RES, CBN 1/2P 1K |
| 877 | R219 | 5135-103522 | RES, CBN 1/2P 10K |
| 879 | R220 | 5135-105522 | RES, CBN 1/2P 1M |
| 878 | R221 | 5135-473522 | RES, CBN 1/2P 47K |
| 878 | R222 | 5135-473522 | RES, CBN 1/2P 47K |
| 935 | R224 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 935 | R225 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 878 | R226 | 5135-473522 | RES, CBN 1/2P 47K |
| 878 | R227 | 5135-473522 | RES, CBN 1/2P 47K |
| 878 | R228 | 5135-473522 | RES, CBN 1/2P 47K |
| 878 | R229 | 5135-473522 | RES, CBN 1/2P 47K |
| 894 | R238 | 5135-101522 | RES, CBN 1/2P 100 |
| INTEGRATED CIRCUITS | | | |
| 833 | IC201 | 5654-M761281P | IC, DIGITAL |
| 834 | IC202 | 5654-TC4028BP | IC, DIGITAL |
| TRANSISTORS | | | |
| 841 | Q206 | 5611-933S(R) | XISTOR, PNP R |
| 838 | Q208 | 5611-A124ES | XISTOR, PNP R |
| 840 | Q209 | 5613-C144ES | XISTOR, NPN R |
| 840 | Q210 | 5613-C144ES | XISTOR, NPN R |
| DIODES | | | |
| 846 | D206 | 5637-GL3ED8 | LED, POWER |
| 842 | D207 | 5636-1S2473 | DIODE, SWITCH |
| 842 | D208 | 5636-1S2473 | DIODE, SWITCH |
| 847 | D216 | 5635-RD2R7EB2 | DIODE, ZENER |
| MISCELLANEOUS | | | |
| 919 | JL206 | 4242-R0203351 | JUMPER LEAD |
| 913 | LCN201 | 4163-S0108251 | CONNECTOR W/W |
| 914 | LCN202 | 4163-S0106351 | CONNECTOR W/W |
| 912 | LCN203 | 4163-S0103141 | CONNECTOR W/W |
| 076B | LUG | 4211-4 | LUG G GB |
| 850 | RCV201 | 6143-00804 | RECEIVER BLOCK, REMOTE SENSOR |
| 848 | X201 | 5693-CSB400P | OSC, CER |

PCB-10 VOLUME P.C. BOARD

| CAPACITORS | | | |
|---------------------------|-----------|---------------|----------------------------|
| 070B | C36 | 5361-102ZF | CAP, CER 1000P G GB |
| 855 | C209 | 5345-106C041 | CAP, MINI ELE 10μ/16V |
| 862 | C210 | 5354-104593 | CAP, MYL .1μ |
| 863 | C211 | 5354-S010M103 | CAP, MYL .01μ |
| RESISTORS | | | |
| 891 | △ R230 | 5102-2205116 | RES, FUSE 22 |
| 629 | R503 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 629 | R504 | 5135-472522 | RES, CBN 1/2P 4.7K |
| INTEGRATED CIRCUIT | | | |
| 835 | IC203 | 5653-LB1641 | IC, LINEAR |
| DIODE | | | |
| 844 | D217 | 5635-HZ3C2 | DIODE, ZENER |
| CONTROLS | | | |
| 881 | VR503/504 | 6161-00702 | VR BLOCK, VOLUME |
| MISCELLANEOUS | | | |
| 910 | CN4 | 4443-0201140 | CONNECTOR |
| 905 | CN202 | 4443-0601140 | CONNECTOR |

PCB-11 POWER SWITCH P.C. BOARD

| CAPACITORS | | | |
|----------------------|---------|---------------|-------------------------------------|
| 074B | C37 | 5354-104593 | CAP, MYL .1μ G GB |
| 074B | C38 | 5354-104593 | CAP, MYL .1μ G GB |
| 857 | C201 | 5345-477D041 | CAP, MINI ELE 470μ/25V |
| 859 | C202 | 5345-337C041 | CAP, MINI ELE 330μ/16V |
| 856 | C203 | 5345-107B041 | CAP, MINI ELE 100μ/10V |
| 856 | C204 | 5345-107B041 | CAP, MINI ELE 100μ/10V |
| 865 | C213 | 5354-274593 | CAP, MYL .27μ |
| 865 | C214 | 5354-274593 | CAP, MYL .27μ |
| RESISTORS | | | |
| 896 | △ R201 | 5102-2204715 | RES, FUSE 22 |
| 880 | R204 | 5135-151522 | RES, CBN 1/2P 150 |
| 895 | △ R205 | 5102-3304715 | RES, FUSE 33 |
| 872 | R206 | 5135-102522 | RES, CBN 1/2P 1K |
| 870 | R207 | 5135-271522 | RES, CBN 1/2P 270 |
| 873 | R208 | 5135-822522 | RES, CBN 1/2P 8.2K |
| 876 | R209 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 876 | R210 | 5135-472522 | RES, CBN 1/2P 4.7K |
| 871 | R211 | 5135-271522 | RES, CBN 1/2P 270 |
| 870 | R212 | 5135-271522 | RES, CBN 1/2P 270 |
| TRANSISTORS | | | |
| 837 | Q202 | 5614-667(C) | XISTOR, NPN A |
| 836 | Q203 | 5613-3246(H) | XISTOR, NPN R |
| 852 | Q204 | 5613-1740S(S) | XISTOR, NPN R |
| 852 | Q205 | 5613-1740S(S) | XISTOR, NPN R |
| DIODES | | | |
| 930 | D203 | 5631-1S2473 | DIODE, DECT |
| 930 | D204 | 5631-1S2473 | DIODE, DECT |
| 930 | D205 | 5631-1S2473 | DIODE, DECT |
| 843 | △ D209 | 5632-S5566B | DIODE, RECT |
| 843 | △ D210 | 5632-S5566B | DIODE, RECT |
| 843 | △ D211 | 5632-S5566B | DIODE, RECT |
| 843 | △ D212 | 5632-S5566B | DIODE, RECT |
| 930 | D214 | 5631-1S2473 | DIODE, DECT |
| 851 | D215 | 5635-HZ6B2 | DIODE, ZENER |
| COILS | | | |
| 073B | L201 | 5995-101274 | COIL W/CORE G GB |
| 073B | L202 | 5995-101274 | COIL W/CORE G GB |
| MISCELLANEOUS | | | |
| 906 | CN201 | 4443-0801140 | CONNECTOR |
| 907 | CN203 | 4443-0301140 | CONNECTOR |
| 908 | CN205 | 4443-040185 | CONNECTOR |
| 887 | △ F201 | 5732-251031 | FUSE 250 mA/125V BK |
| 887B | △ F201 | 5732-251030 | FUSE T250 mA/250V G GB WB IB |
| 889 | △ HF203 | 4472-04501 | HOLDER, FUSE, F201 |
| 889 | △ HF204 | 4472-04501 | HOLDER, FUSE, F201 |
| 897 | LUG | 4211-4 | LUG, W-201 |
| 884 | △ SW1 | 4431-A020170 | SWITCH, PUSH, POWER |

PCB-12 POWER RELAY P.C. BOARD

| CAPACITORS | | | |
|----------------------|--------|---------------|---|
| 864 | △ C216 | 5352-S010M103 | CAP, MTL .01μ BK |
| 864 | △ C216 | 5352-1030958 | CAP, MTL .01μ G GB WB IB |
| RESISTOR | | | |
| 054B | △ R241 | 5135-335522 | RES, CBN 1/2P 3.3M G GB WB IB |
| DIODE | | | |
| 929 | D202 | 5631-1S2473 | DIODE, DET |
| TRANSFORMERS | | | |
| 927 | △ T201 | 5584-001479 | XFORMER, POWER, BACK UP BK |
| 927B | △ T201 | 5584-T1101 | XFORMER, POWER, BACK UP G GB WB IB |
| MISCELLANEOUS | | | |
| 888 | △ F202 | 5732-402031 | FUSE 4A/125V BK |

| Ser. No. | Ref. No. | Part No. | Description |
|----------|----------|---------------|---|
| 888B | △ F202 | 5732-202030 | FUSE T2A/250V G GB WB IB |
| 890 | △ HF201 | 4472-04501 | HOLDER, FUSE, F202 |
| 890 | △ HF202 | 4472-04501 | HOLDER, FUSE, F202 |
| 918 | JL205 | 4242-R0504181 | JUMPER LEAD |
| 883 | △ RL201 | 4331-01702 | RELAY, DC |
| 886B | △ SW2 | 4411-00501102 | SWITCH, ROTARY, VOLTAGE SELECTOR G GB WB IB |
| 893 | TM201 | 4214-122 | TERMINAL |
| 893 | TM202 | 4214-122 | TERMINAL |
| 893 | TM203 | 4214-122 | TERMINAL |
| 893 | TM204 | 4214-122 | TERMINAL |
| 893B | TM205 | 4214-122 | TERMINAL G GB WB IB |

PCB-13 SPEAKER OPERATING MODE P.C. BOARD

| CAPACITORS | | | |
|---------------|-------|---------------|--|
| 936 | C18 | 5354-104593 | CAP, MYL .1μ BK WB |
| 936 | C19 | 5354-104593 | CAP, MYL .1μ BK WB |
| 936 | C20 | 5354-104593 | CAP, MYL .1μ BK WB |
| 936 | C21 | 5354-104593 | CAP, MYL .1μ BK WB |
| MISCELLANEOUS | | | |
| 899 | LCN11 | 4163-0130022 | CONNECTOR W/W BK WB |
| 900 | LCN12 | 4163-0130020 | CONNECTOR W/W BK WB |
| 901 | LCN13 | 4163-0130023 | CONNECTOR W/W BK WB |
| 902 | LCN14 | 4163-0130021 | CONNECTOR W/W BK WB |
| 903 | LCN15 | 4163-0130021 | CONNECTOR W/W BK WB |
| 904 | LCN16 | 4163-0130023 | CONNECTOR W/W BK WB |
| 885 | SW3 | 4464-00102022 | SWITCH, SEESW, SPEAKER OPERATING MODE BK WB |

PCB-14 REMOTE P.C. BOARD

| CAPACITOR | | | |
|---------------|-------|---------------|-----------------------|
| 853 | C220 | 5345-S19CM226 | CAP, MINI ELE 22μ/16V |
| RESISTORS | | | |
| 933 | R231 | 5135-271522 | RES, CBN 1/2P 270 |
| 867 | R232 | 5135-101522 | RES, CBN 1/2P 100 |
| 934 | R233 | 5135-392522 | RES, CBN 1/2P 3.9K |
| 866 | R234 | 5135-470522 | RES, CBN 1/2P 47 |
| 875 | R235 | 5135-473522 | RES, CBN 1/2P 47K |
| TRANSISTOR | | | |
| 839 | Q211 | 5611-A143ES | XISTOR, PNP R |
| MISCELLANEOUS | | | |
| 892 | J201 | 4451-00184 | JACK, 1P, REMOTE IN |
| 892 | J202 | 4451-00184 | JACK, 1P, REMOTE OUT |
| 909 | CN206 | 4443-030185 | CONNECTOR |
| 849 | PH201 | 5624-PC817 | PHOTO COUPLR |

PCB-15 VOLUME INDICATOR P.C. BOARD

| CAPACITOR | | | |
|---------------|------|---------------|-----------------------|
| 854 | C217 | 5345-S19CM106 | CAP, MINI ELE 10μ/16V |
| DIODE | | | |
| 845 | D201 | 5637-S2410E1 | LED, VOLUME |
| MISCELLANEOUS | | | |
| 911 | LCN4 | 4163-01524002 | CONNECTOR W/W |

PCB-16 BIAS RCH P.C. BOARD

| RESISTORS | | | |
|---------------|-------|--------------|--------------------|
| 630 | R801R | 5135-182522 | RES, CBN 1/2P 1.8K |
| 631 | R802R | 5135-122522 | RES, CBN 1/2P 1.2K |
| SEMICONDUCTOR | | | |
| 579 | Q801R | 5613-2682(Q) | XISTOR, NPN R |

CHASSIS MISCELLANEOUS

| CAPACITORS | | | |
|---------------|------|---------------|----------------------|
| 689B | C3 | 5352-S060K104 | CAP, MTL .1μ G GB IB |
| 689B | C4 | 5352-S060K104 | CAP, MTL .1μ G GB IB |
| MISCELLANEOUS | | | |
| 650 | LUG | 4211-4 | LUG, CHASSIS EARTH |
| 745 | △ P1 | 4161-71151 | CORD W/PLUG BK |

| Ser. No. | Ref. No. | Part No. | Description |
|----------|----------|------------|--------------------------------------|
| 745B | △ P1 | 4161-7256 | CORD W/PLUG G GB WB IB |
| 886 | △ SO1 | 4474-02901 | SOCKET, AC OUTLET |
| 691 | △ T1 | 5584-T0701 | XFORMER, POWER BK |
| 691B | △ T1 | 5584-T0702 | XFORMER, POWER G GB IB |
| 691D | △ T1 | 5584-T0703 | XFORMER, POWER WB |
| 746 | | 4442-14 | PIN PLUG, PHONO MM SHORT PIN (x2) |

PACKAGE PARTS LIST

| | | |
|------|---------------|--|
| 021B | 1756-06304 | LABEL 230V/50Hz, G GB WB IB |
| 022B | 1756-03124 | LABEL (G), (x2) G GB |
| 022D | 1756-03101 | LABEL (W), (x2) WB |
| 022E | 1756-03108 | LABEL (I), (x2) IB |
| 026B | 1111-J30235 | OWNER GUIDE, POWER SWITCH CAUTION G GB IB |
| 026D | 1111-0370J152 | OWNER GUIDE, VOLTAGE SELECTOR ADDEN DUM WB |
| 107 | 1111-0270J152 | OWNER GUIDE, OG BK WB |
| 107B | 1111-0280J152 | OWNER GUIDE, OG G GB IB |
| 108 | 1113-02501 | OWNER CARD, REPLY CARD BK |
| 109 | 1116-03801 | GUARANT CARD, WARRANTY BK |
| 110 | 1119-04501 | ATTACH SHEET, SERVICE GUIDE BK |
| 111 | 1119-01201 | ATTACH SHEET, UL BK |
| 121 | 1241-R0123351 | POLYETHY BAG, OG |
| 122 | 1241-R0160601 | POLYETHY BAG, SET |
| 124 | 1221-28126 | CARTON BOX G |
| 124A | 1221-28127 | CARTON BOX BK GB WB IB |
| 125 | 1222-7390 | CUSHION, R |
| 126 | 1222-7391 | CUSHION, L |
| 127 | 1223-11729 | SOFT SHEET |
| 925 | 6142-06805 | REMOTE CONTROL |
| 926 | 4191-0355 | BATTERY, DRY |
| 938 | 4161-08201102 | CORD W/PLUG, REMOTE IN/OUT (x3) |

ABBREVIATIONS IN PARTS LIST

| CAPACITORS | |
|---------------|-----------------|
| CAP, MINI ELE | : Electrolytic |
| CAP, CER | : Ceramic |
| CAP, PPP | : Polypropylene |
| CAP, MYL | : Mylar |
| CAP, MCA | : Mica |
| 470μ | : 470μF |
| 6800P | : 6800pF |
| .047μ | : 0.047μF |

| RESISTORS | |
|---------------|---------------|
| RES, CBN 1/6P | : Carbon 1/6W |
| 2.2K | : 2.2kΩ |
| 220 | : 220Ω |

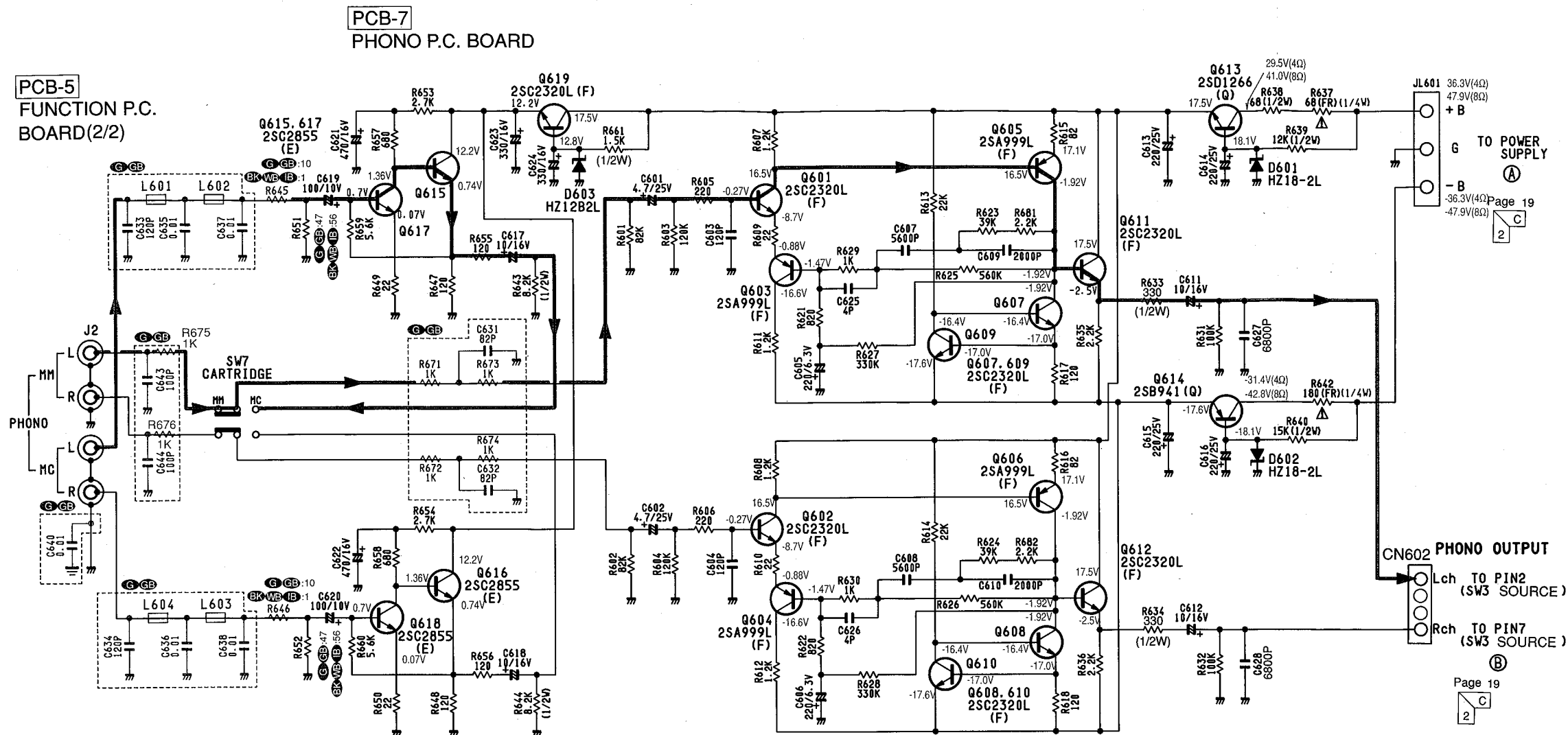
| | |
|-------------|-------------|
| RES, FUSE | : Fuse |
| RES, CEM 5P | : Cement 5W |
| RES, MTL 1P | : Metal 1W |

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

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

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

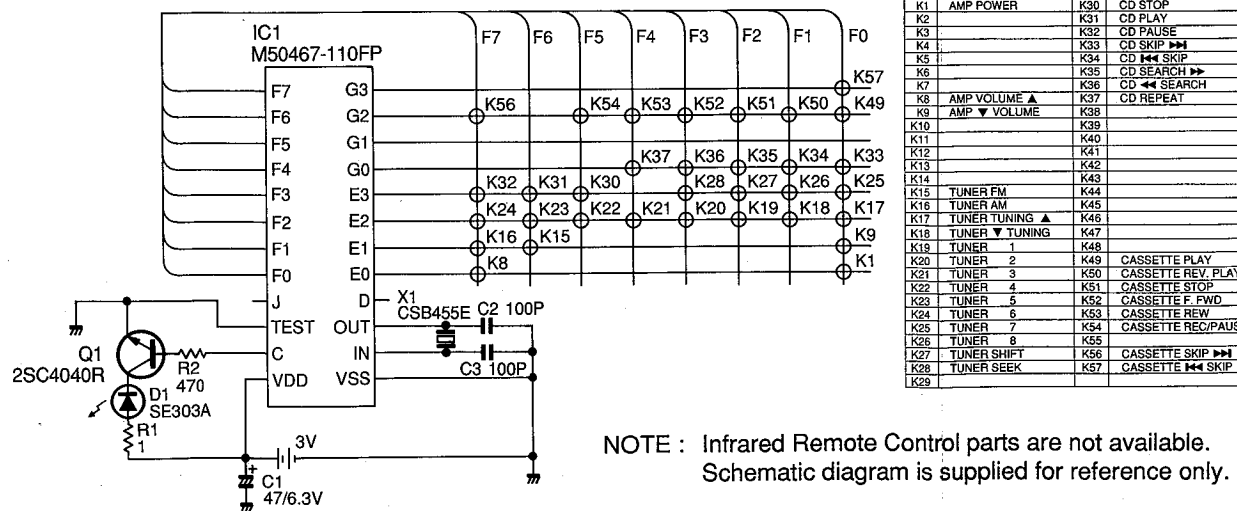
SCHEMATIC DIAGRAM (1)



NOTE:

1. ALL RESISTANCES VALUES ARE IN Ω .
K Ω =1000 Ω , M Ω =1000K Ω .
2. THE WATTAGE OF RESISTORS IS 1/6W UNLESS OTHERWISE NOTED.
3. ALL CAPACITANCES VALUES ARE IN μ F UNLESS OTHERWISE NOTED. P=# μ 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.

INFRARED REMOTE CONTROL SCHEMATIC DIAGRAM



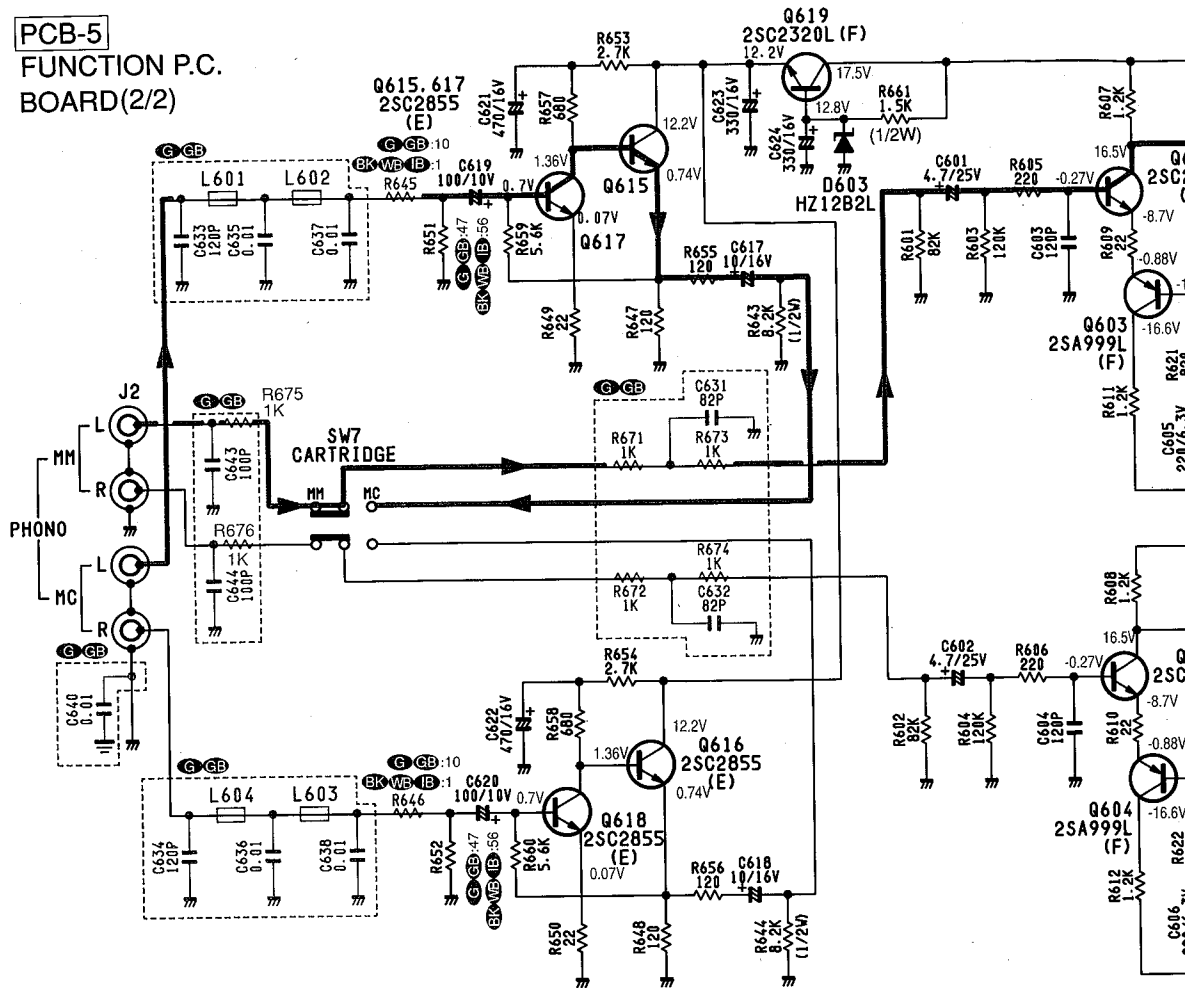
| NO. | FUNCTION | NO. | FUNCTION |
|-----|-----------------------------------|-----|-------------------------------------|
| K1 | AMP POWER | K30 | CD STOP |
| K2 | | K31 | CD PLAY |
| K3 | | K32 | CD PAUSE |
| K4 | | K33 | CD SKIP \blacktriangleright |
| K5 | | K34 | CD \blacktriangleleft SKIP |
| K6 | | K35 | CD SEARCH \blacktriangleright |
| K7 | | K36 | CD \blacktriangleleft SEARCH |
| K8 | AMP VOLUME \blacktriangle | K37 | CD REPEAT |
| K9 | AMP \blacktriangledown VOLUME | K38 | |
| K10 | | K39 | |
| K11 | | K40 | |
| K12 | | K41 | |
| K13 | | K42 | |
| K14 | | K43 | |
| K15 | TUNER FM | K44 | |
| K16 | TUNER AM | K45 | |
| K17 | TUNER TUNING \blacktriangle | K46 | |
| K18 | TUNER \blacktriangledown TUNING | K47 | |
| K19 | TUNER 1 | K48 | |
| K20 | TUNER 2 | K49 | CASSETTE PLAY |
| K21 | TUNER 3 | K50 | CASSETTE REV. PLAY |
| K22 | TUNER 4 | K51 | CASSETTE STOP |
| K23 | TUNER 5 | K52 | CASSETTE F. FWD |
| K24 | TUNER 6 | K53 | CASSETTE REW |
| K25 | TUNER 7 | K54 | CASSETTE REC/PAUSE |
| K26 | TUNER 8 | K55 | |
| K27 | TUNER SHIFT | K56 | CASSETTE SKIP \blacktriangleright |
| K28 | TUNER SEEK | K57 | CASSETTE \blacktriangleleft SKIP |

NOTE : Infrared Remote Control parts are not available.
Schematic diagram is supplied for reference only.

SCHEMATIC DIAGRAM (1)

**PCB-7
PHONO P.C. BOARD**

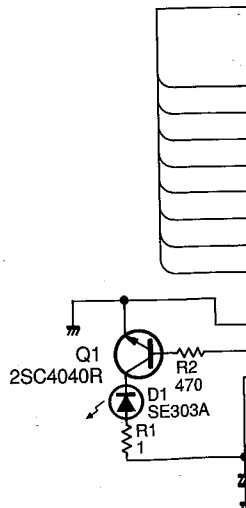
**PCB-5
FUNCTION P.C.
BOARD(2/2)**



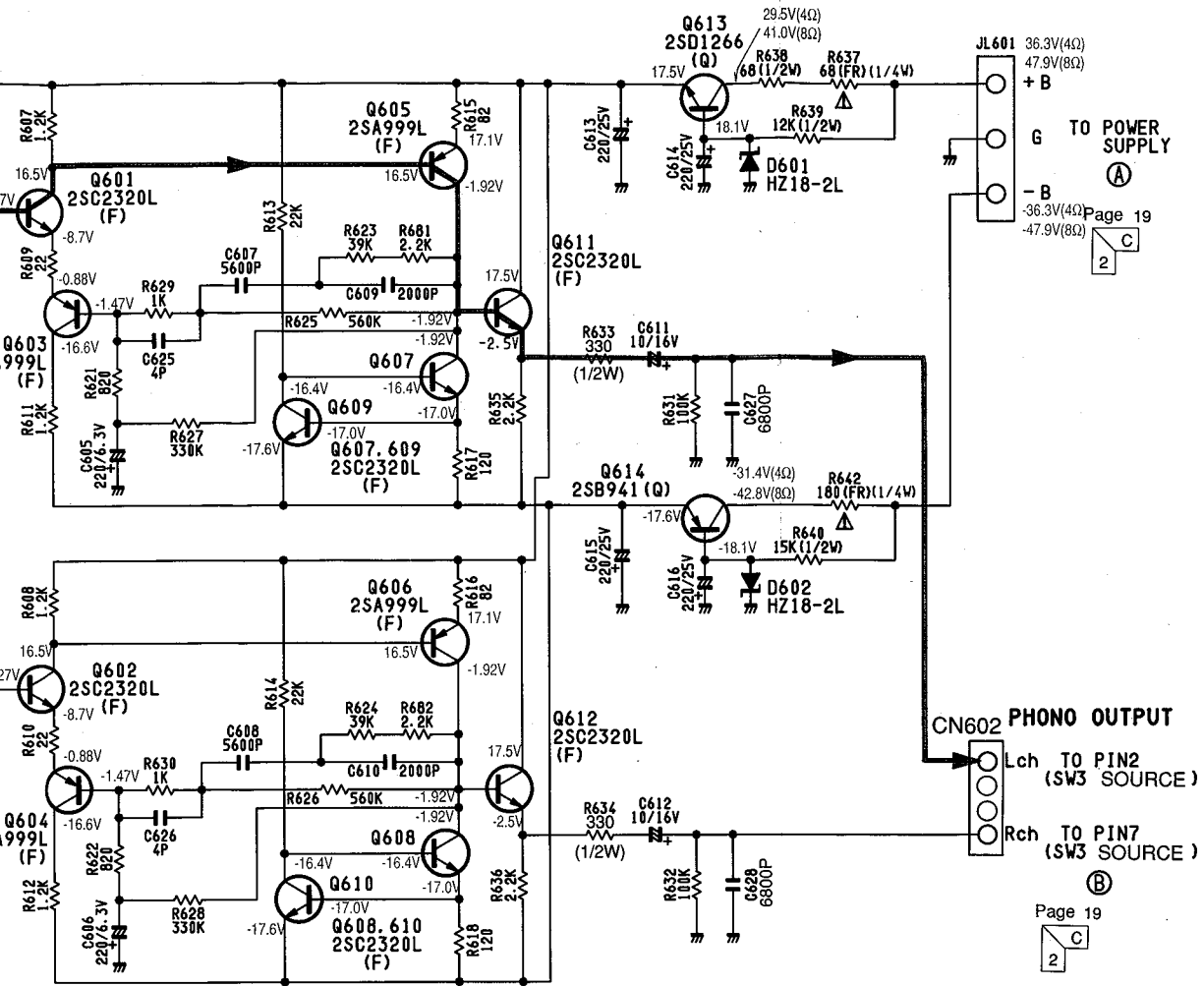
NOTE:

1. ALL RESISTANCES VALUES ARE IN Ω .
 $K\Omega=1000\Omega$. $M\Omega=1000K\Omega$.
2. THE WATTAGE OF RESISTORS IS 1/6W UNLESS OTHERWISE NOTED.
3. ALL CAPACITANCES VALUES ARE IN μF UNLESS OTHERWISE NOTED. P=# μF .
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.

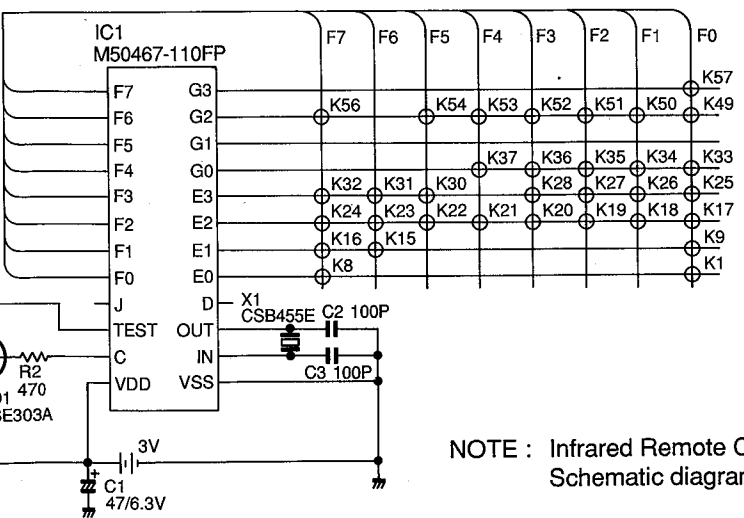
INFRARED REMO



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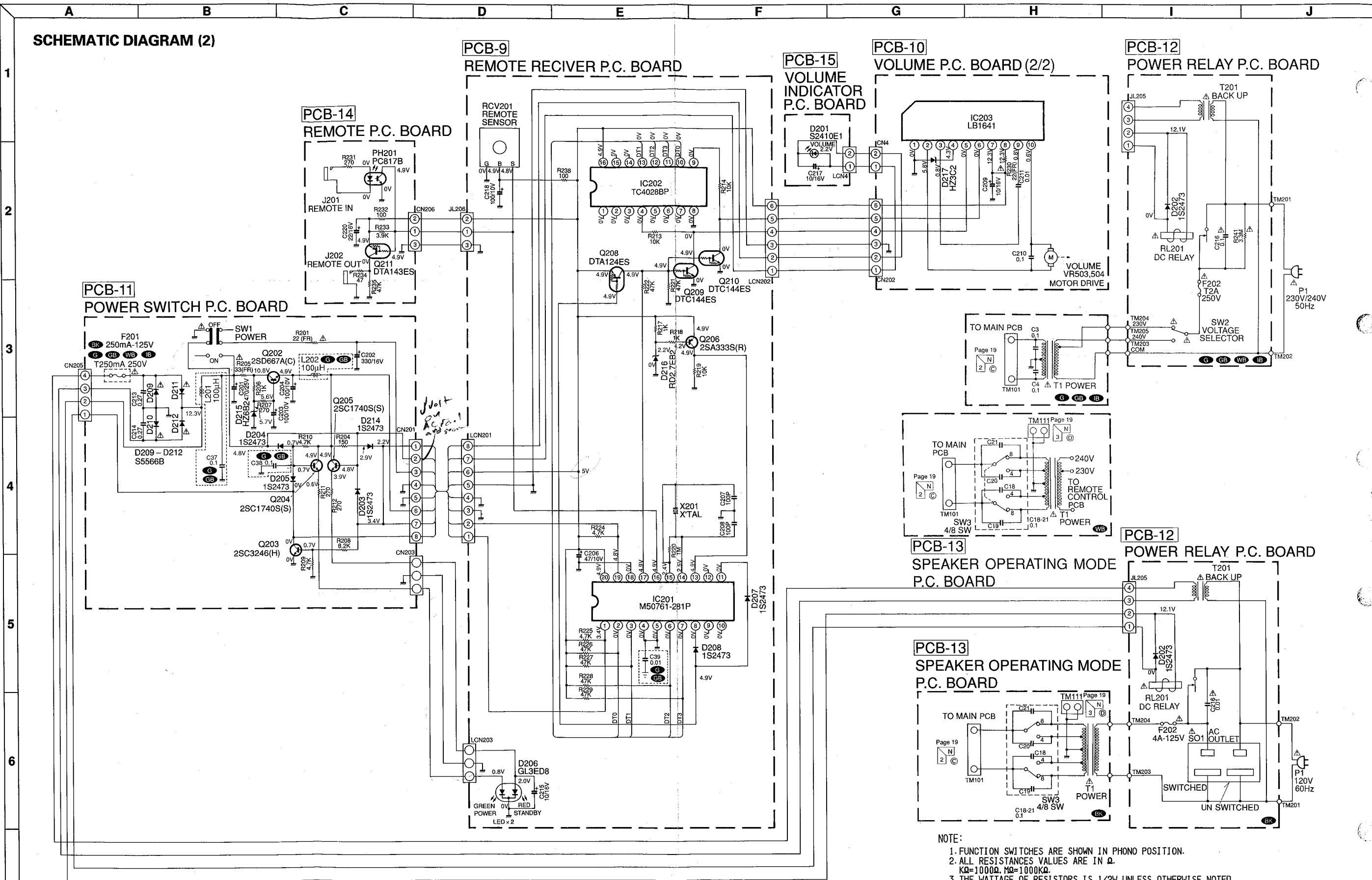
REMOTE CONTROL SCHEMATIC DIAGRAM



| NO. | FUNCTION | NO. | FUNCTION |
|-----|----------------|-----|--------------------|
| K1 | AMP POWER | K30 | CD STOP |
| K2 | | K31 | CD PLAY |
| K3 | | K32 | CD PAUSE |
| K4 | | K33 | CD SKIP ►► |
| K5 | | K34 | CD ◄◄ SKIP |
| K6 | | K35 | CD SEARCH ►► |
| K7 | | K36 | CD ◄◄ SEARCH |
| K8 | AMP VOLUME ▲ | K37 | CD REPEAT |
| K9 | AMP ▼ VOLUME | K38 | |
| K10 | | K39 | |
| K11 | | K40 | |
| K12 | | K41 | |
| K13 | | K42 | |
| K14 | | K43 | |
| K15 | TUNER FM | K44 | |
| K16 | TUNER AM | K45 | |
| K17 | TUNER TUNING ▲ | K46 | |
| K18 | TUNER ▼ TUNING | K47 | |
| K19 | TUNER 1 | K48 | |
| K20 | TUNER 2 | K49 | CASSETTE PLAY |
| K21 | TUNER 3 | K50 | CASSETTE REV. PLAY |
| K22 | TUNER 4 | K51 | CASSETTE STOP |
| K23 | TUNER 5 | K52 | CASSETTE F. FWD |
| K24 | TUNER 6 | K53 | CASSETTE REW |
| K25 | TUNER 7 | K54 | CASSETTE REC/PAUSE |
| K26 | TUNER 8 | K55 | |
| K27 | TUNER SHIFT | K56 | CASSETTE SKIP ►► |
| K28 | TUNER SEEK | K57 | CASSETTE ◄◄ SKIP |
| K29 | | | |

NOTE : Infrared Remote Control parts are not available. Schematic diagram is supplied for reference only.

SCHEMATIC DIAGRAM (2)



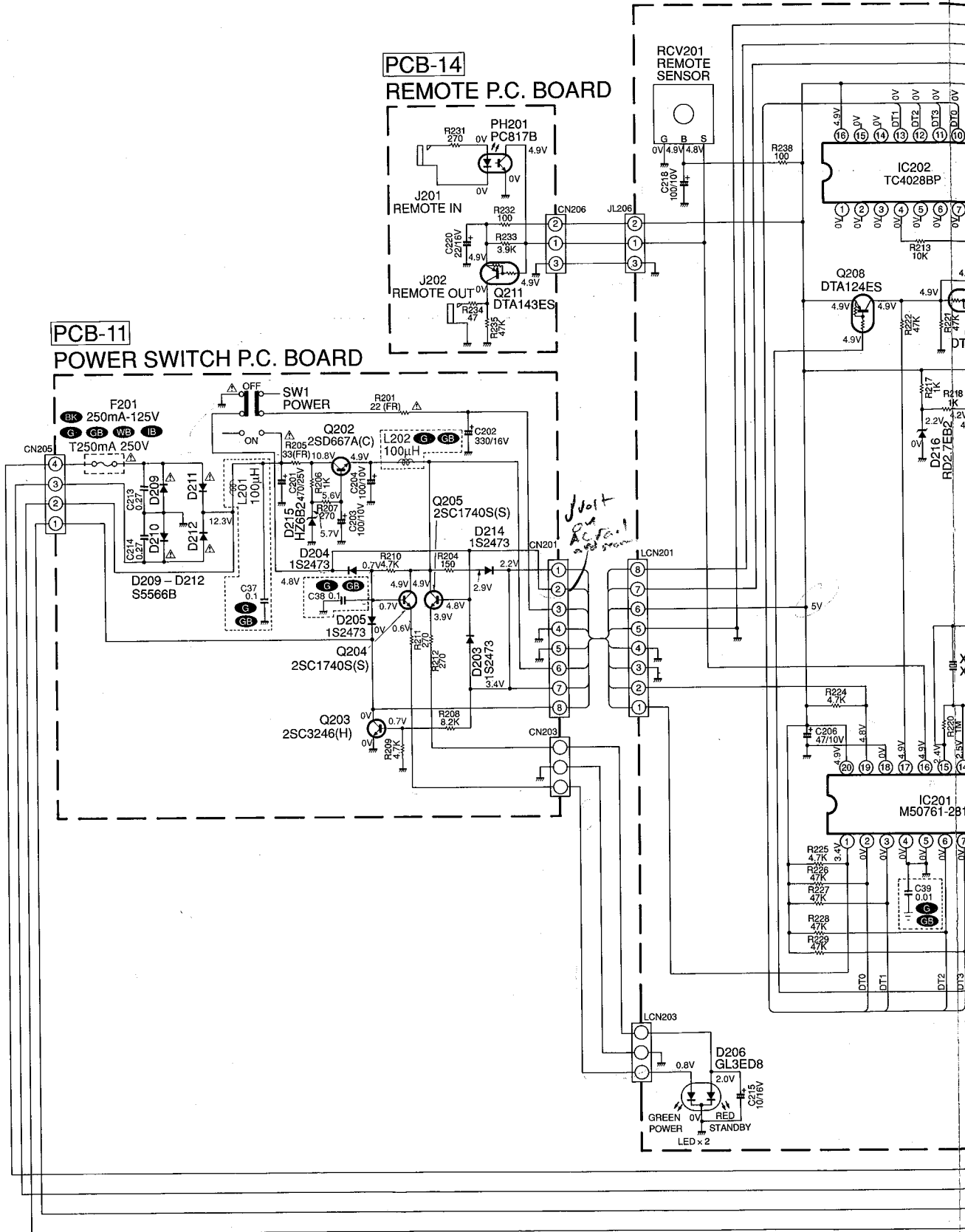
- NOTE:
1. FUNCTION SWITCHES ARE SHOWN IN PHONO POSITION.
 2. ALL RESISTANCES VALUES ARE IN Ω .
 $K\Omega=1000\Omega$, $M\Omega=1000K\Omega$.
 3. THE WATTAGE OF RESISTORS IS 1/2W UNLESS OTHERWISE NOTED.
 4. ALL CAPACITANCES VALUES ARE IN μF UNLESS OTHERWISE NOTED. P=#/F.
 5. ... V:DC VOLTAGE AT NO SIGNAL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

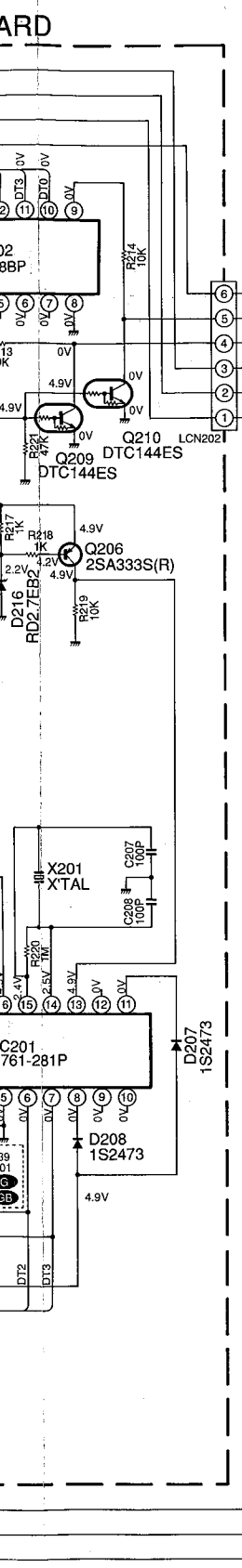
SCHMATIC DIAGRAM (2)

PCB-9
REMOTE RECIVER P.C. BOARD

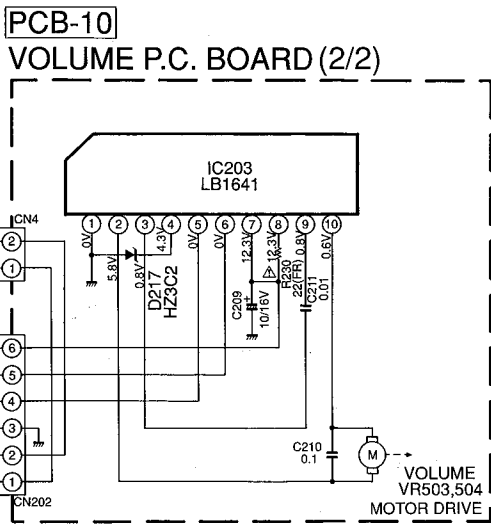
PCB-14
REMOTE P.C. BOARD

PCB-11
POWER SWITCH P.C. BOARD

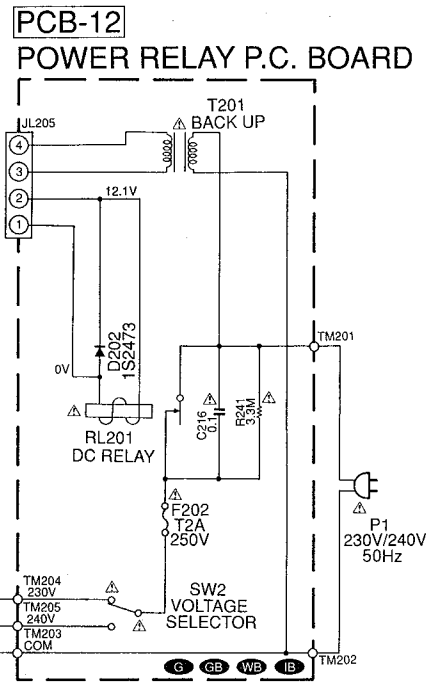




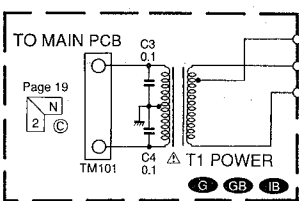
PCB-15
VOLUME
INDICATOR
P.C. BOARD



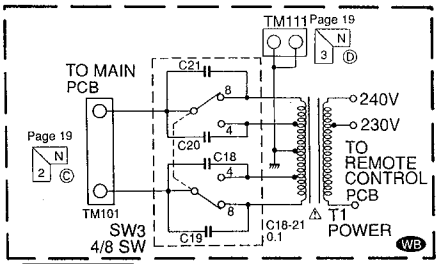
PCB-10
VOLUME P.C. BOARD (2/2)



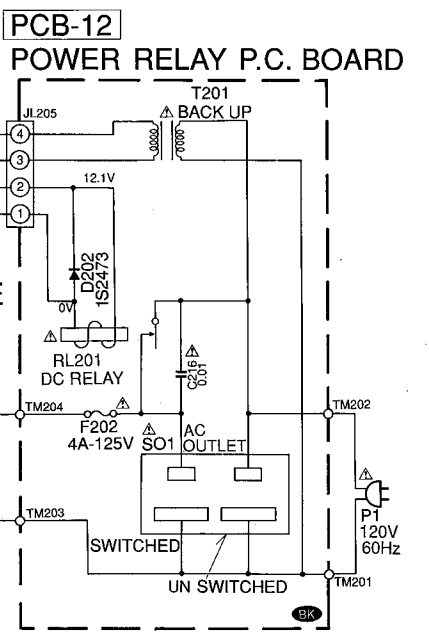
PCB-12
POWER RELAY P.C. BOARD



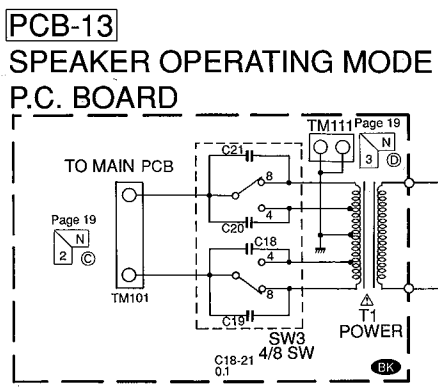
PCB-13
TO MAIN PCB
T1 POWER



PCB-13
TO MAIN PCB
TO REMOTE CONTROL PCB
T1 POWER



PCB-12
POWER RELAY P.C. BOARD

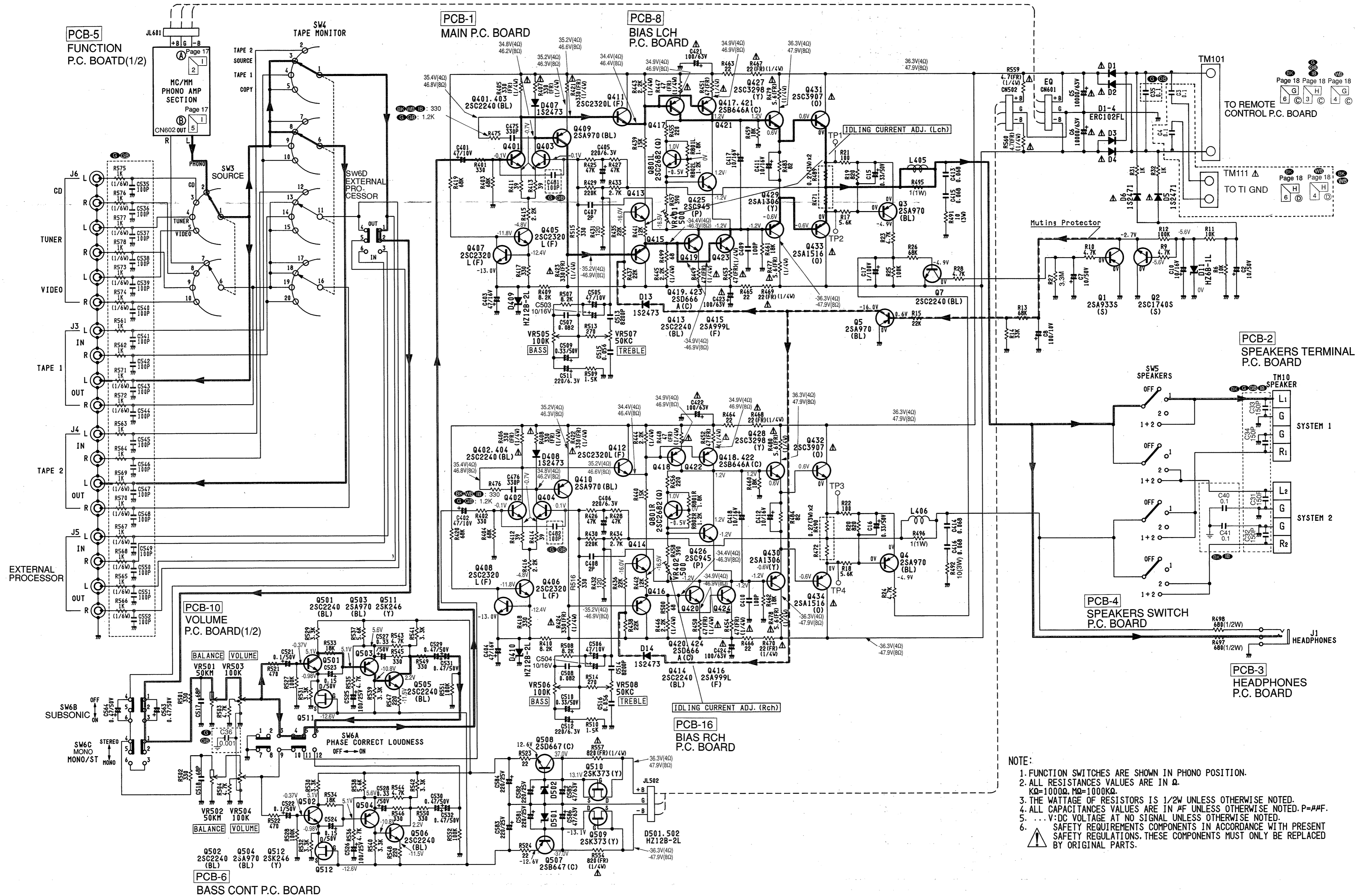


PCB-13
SPEAKER OPERATING MODE
P.C. BOARD

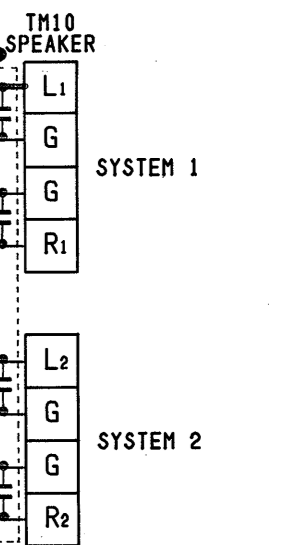
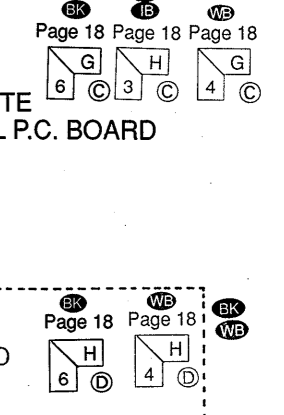
- NOTE:**
1. FUNCTION SWITCHES ARE SHOWN IN PHONO POSITION.
 2. ALL RESISTANCES VALUES ARE IN Ω .
 $K\Omega=1000\Omega$, $M\Omega=1000K\Omega$.
 3. THE WATTAGE OF RESISTORS IS 1/2W UNLESS OTHERWISE NOTED.
 4. ALL CAPACITANCES VALUES ARE IN μF UNLESS OTHERWISE NOTED. $P=\mu F$.
 5. ... V:DC VOLTAGE AT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



SCHEMATIC DIAGRAM (3)

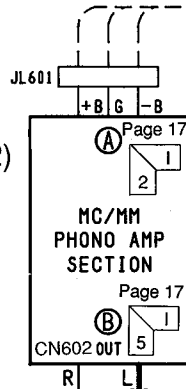


- NOTE:
1. FUNCTION SWITCHES ARE SHOWN IN PHONO POSITION.
 2. ALL RESISTANCE VALUES ARE IN Ω .
K Ω =1000 Ω , M Ω =1000K Ω .
 3. THE WATTAGE OF RESISTORS IS 1/2W UNLESS OTHERWISE NOTED.
 4. ALL CAPACITANCE VALUES ARE IN μ F UNLESS OTHERWISE NOTED. P=#F.
 5. ... V:DC VOLTAGE AT NO SIGNAL UNLESS OTHERWISE NOTED.
 6. SAFETY REQUIREMENTS COMPONENTS IN ACCORDANCE WITH PRESENT SAFETY REGULATIONS, THESE COMPONENTS MUST ONLY BE REPLACED BY ORIGINAL PARTS.



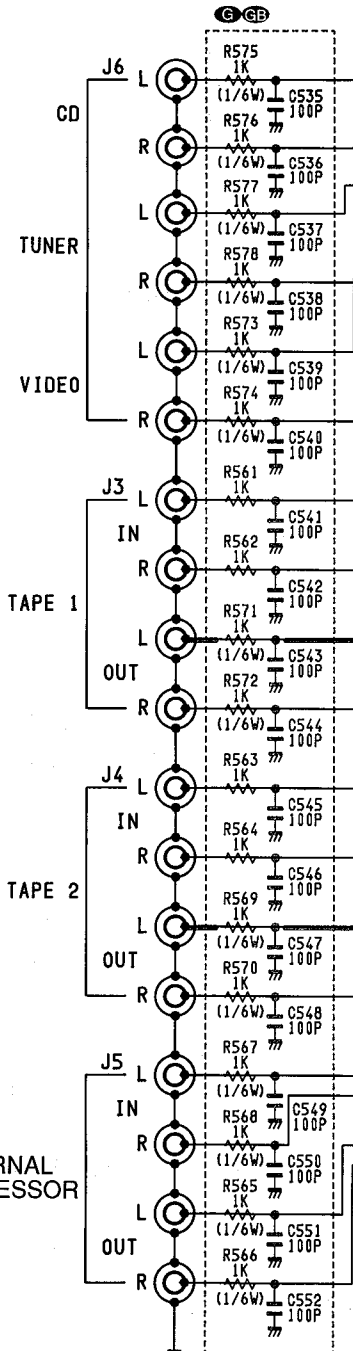
SCHEMATIC DIAGRAM (3)

PCB-5
FUNCTION
P.C. BOARD(1/2)



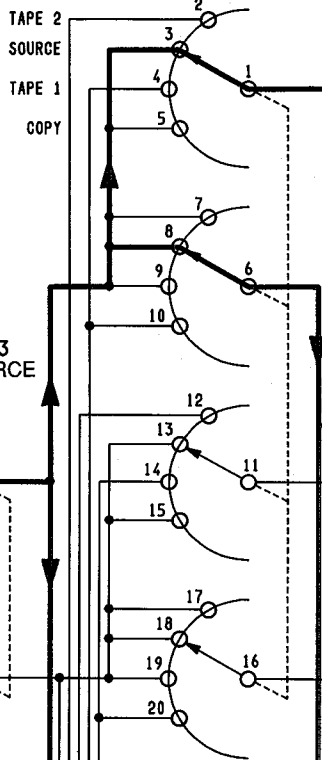
SW4
TAPE MONITOR

PCB-1
MAIN P.C. E

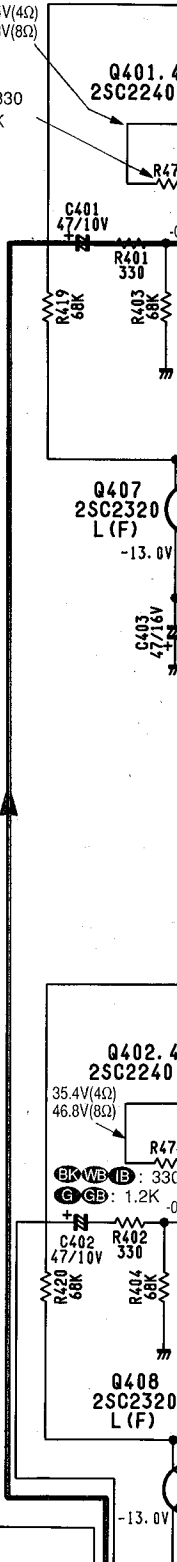


PCB-10
VOLUME
P.C. BOARD(1/2)

Q501 2SC2240 (BL)
 Q503 2SA970 (BL)
 Q511 2SK246 (Y)



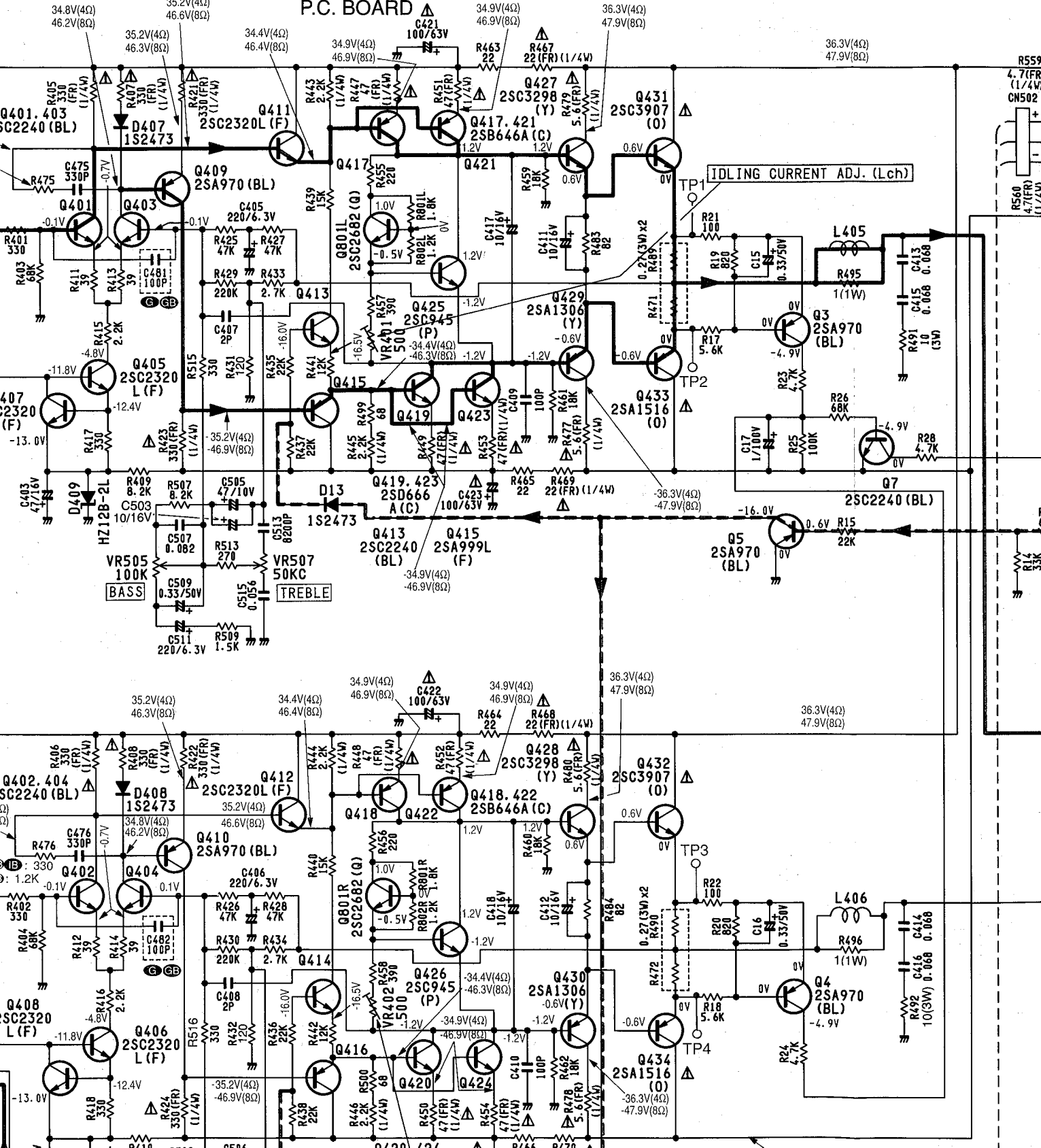
35.4V(4Ω)
 46.8V(8Ω)
 BK WB IB : 330
 G GB : 1.2K



P.C. BOARD

PCB-8

BIAS LCH
P.C. BOARD



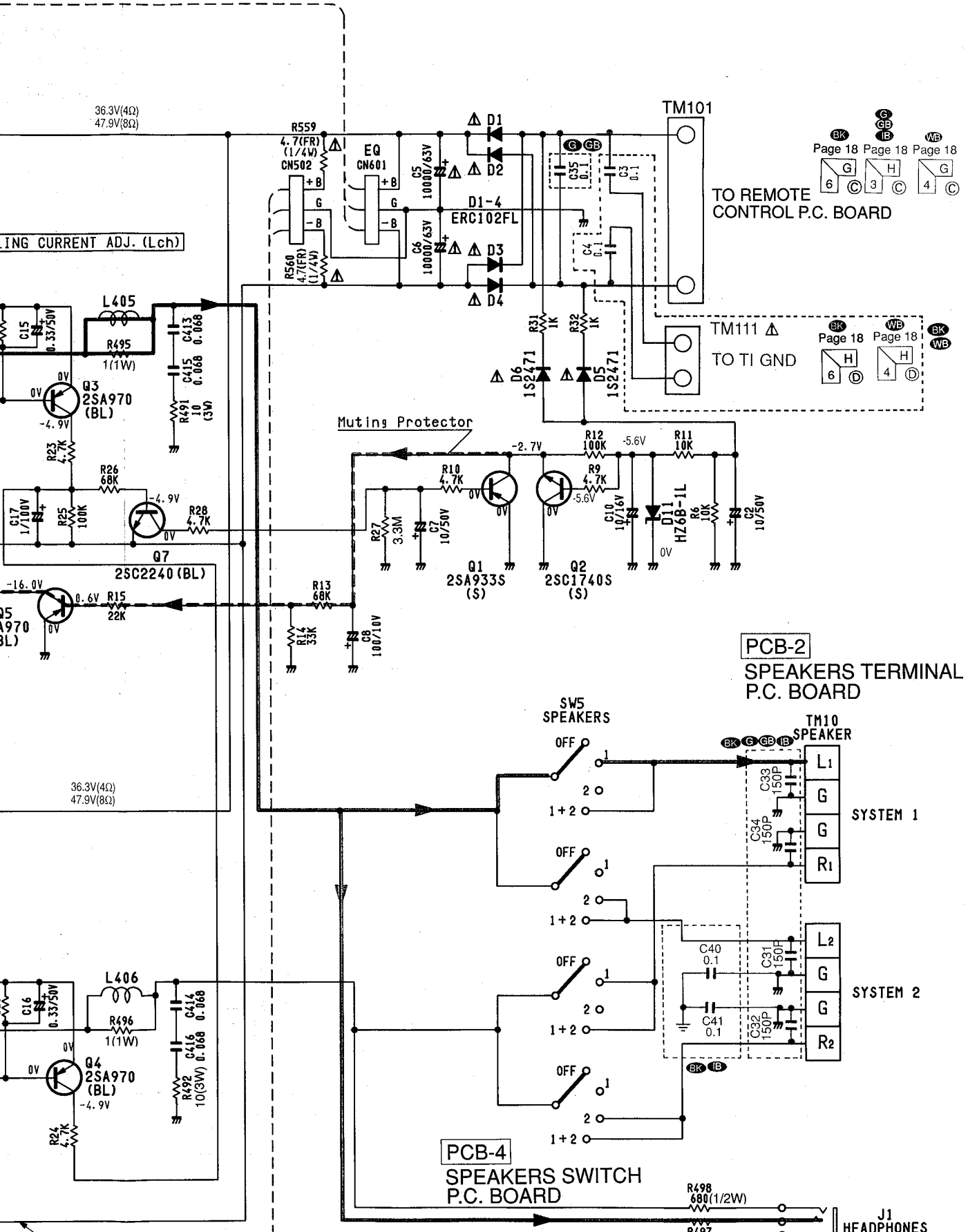
J

K

L

M

N



G B B B
 Page 18 Page 18 Page 18

6 C 3 C 4 C

TO REMOTE CONTROL P.C. BOARD

6 C 4 C

TO TI GND

PCB-2
SPEAKERS TERMINAL
P.C. BOARD

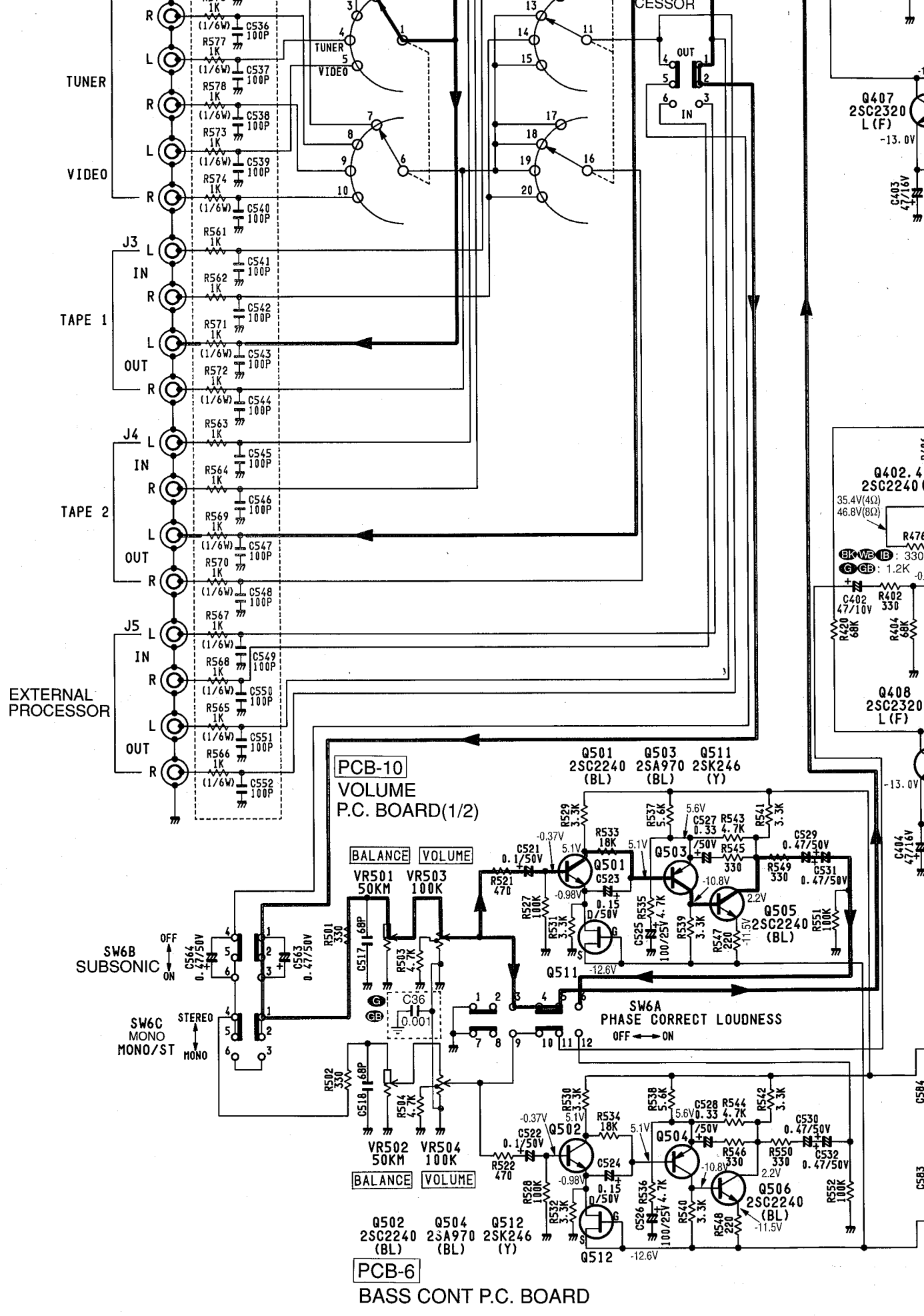
PCB-4
SPEAKERS SWITCH
P.C. BOARD

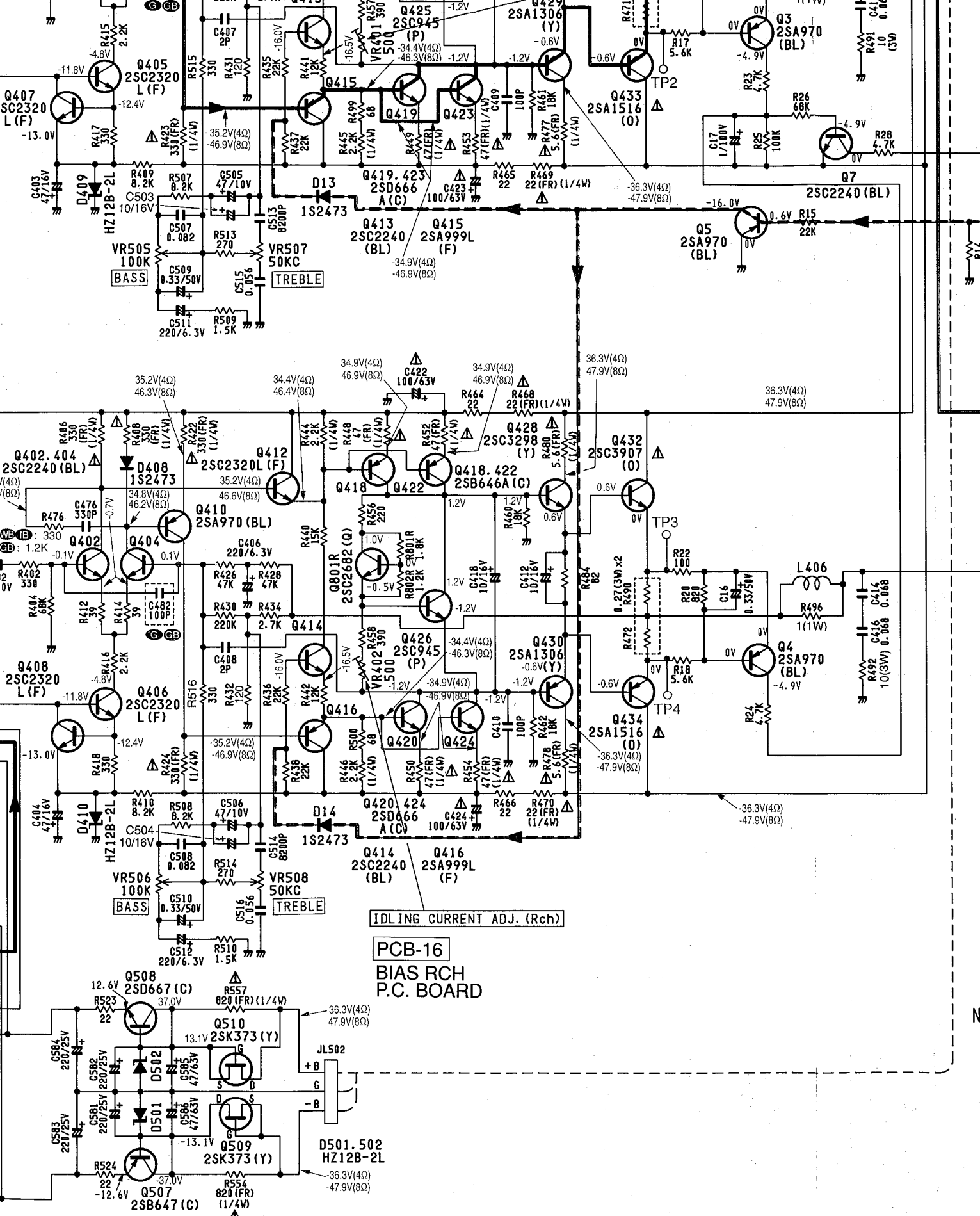
SYSTEM 1

SYSTEM 2

J1 HEADPHONES

4
5
6
7
8
9
10

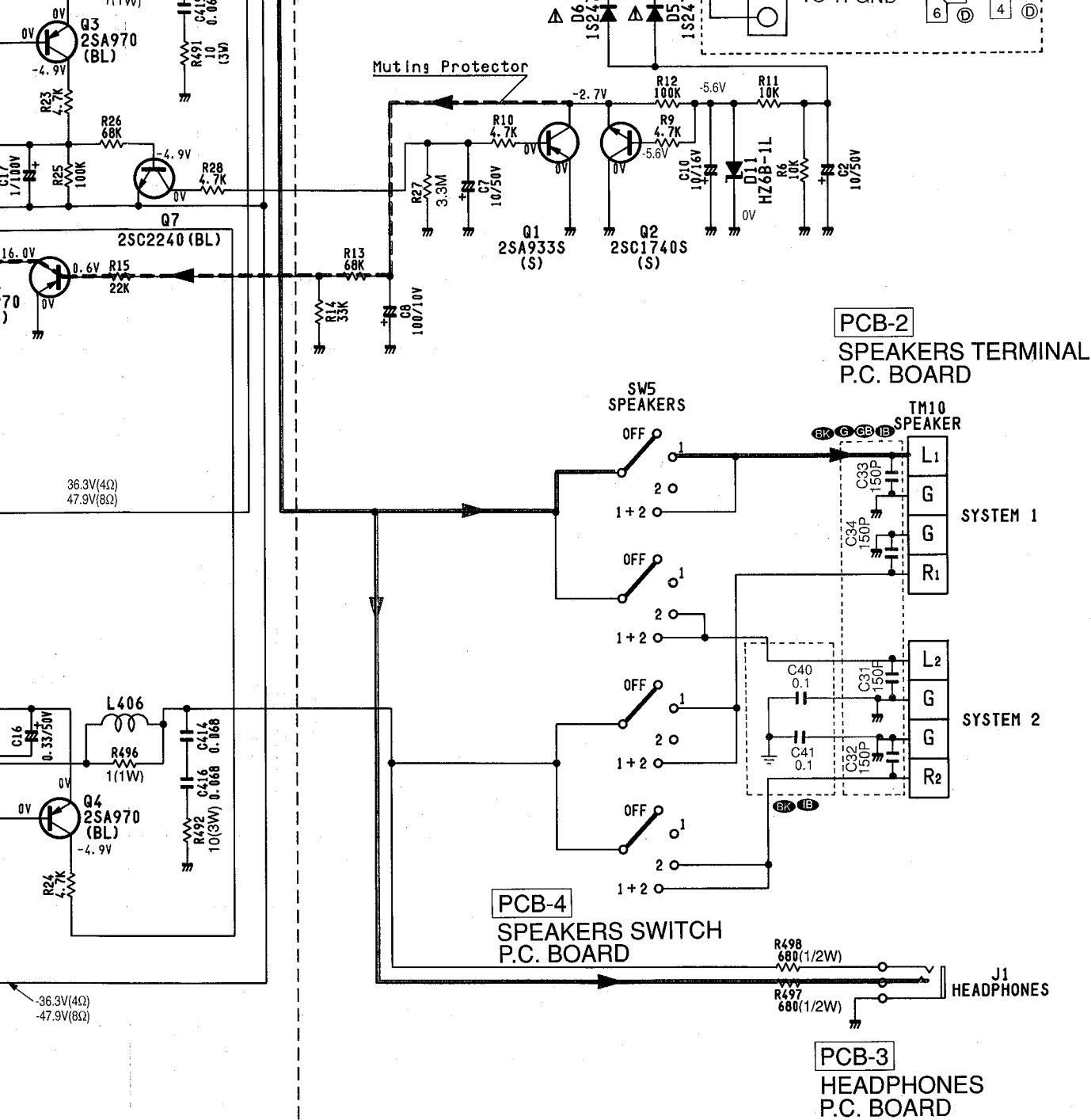





IDLING CURRENT ADJ. (Rch)

PCB-16
BIAS RCH
P.C. BOARD

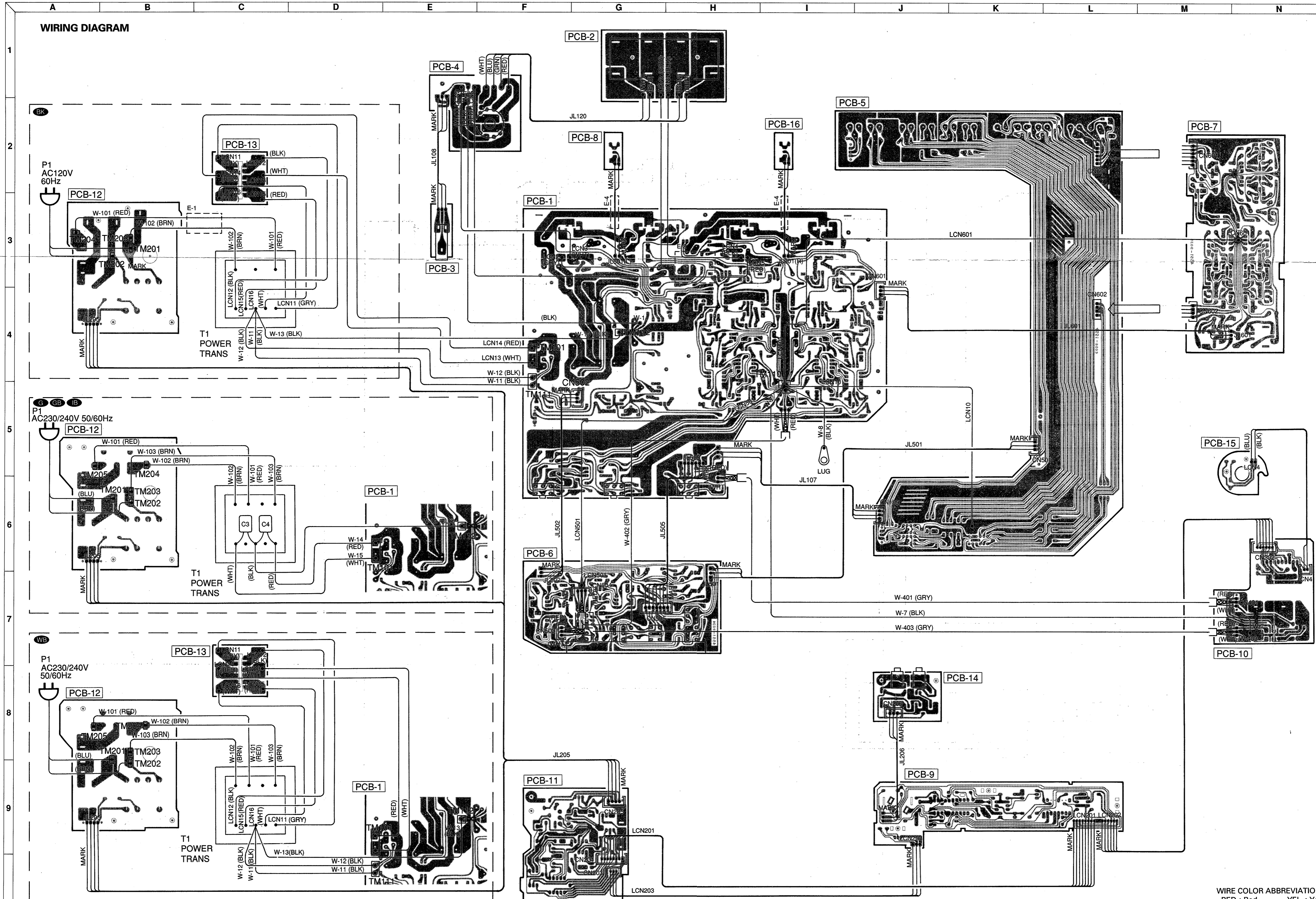
D501.502
HZ12B-2L



NOTE:

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

WIRING DIAGRAM



WIRE COLOR ABBREVIATIONS
 RED : Red YEL : Yellow
 ORG : Orange PUP : Purple
 BLU : Blue PIK : Pink
 WHT : White BRN : Brown
 BLK : Black

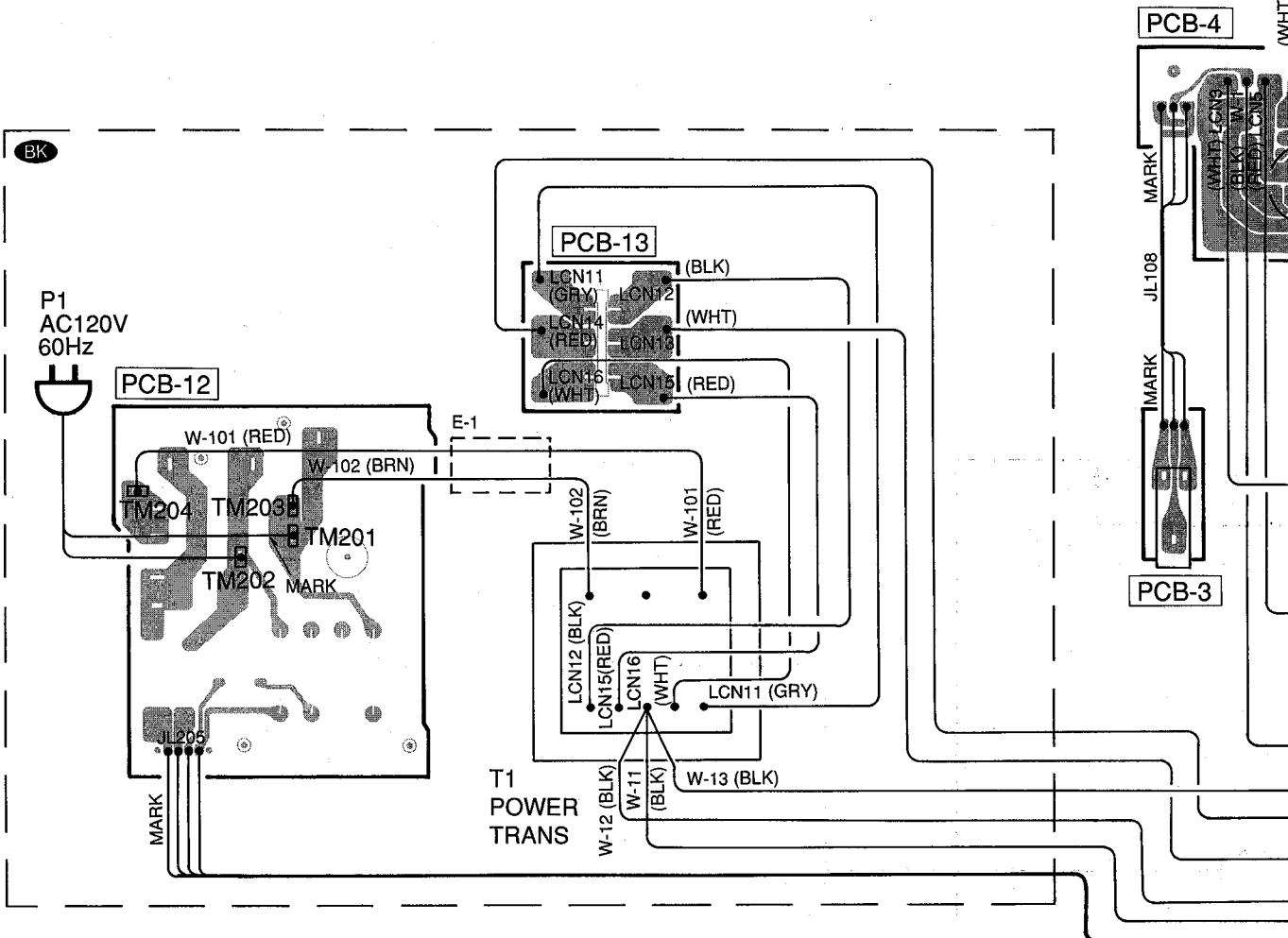
WIRING DIAGRAM

1

2

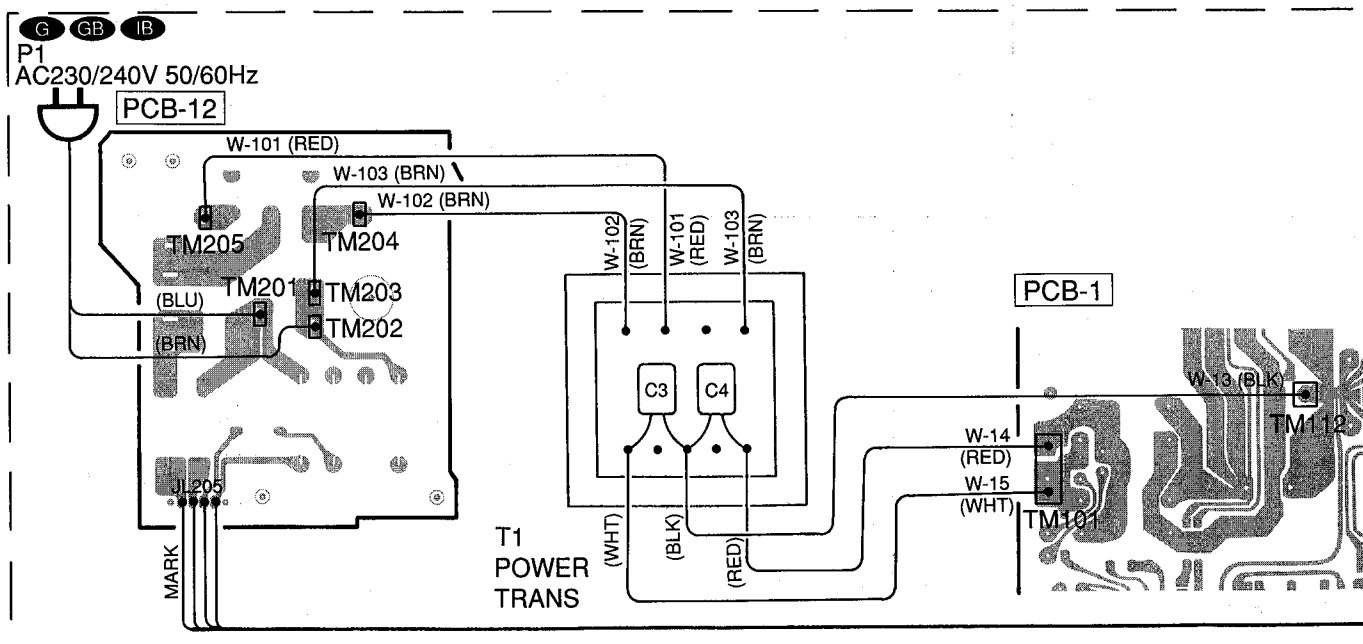
3

4



5

6



7



F

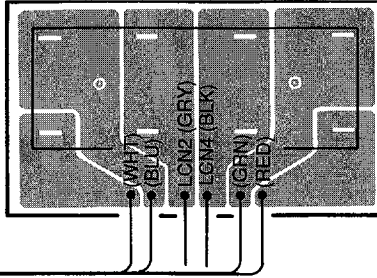
G

H

I

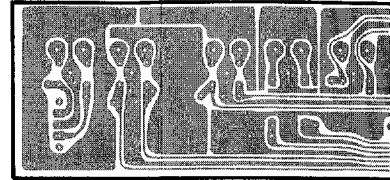
J

PCB-2



JL120

PCB-5



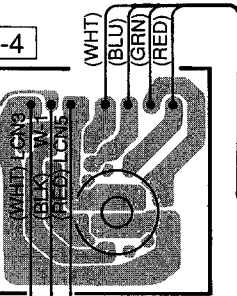
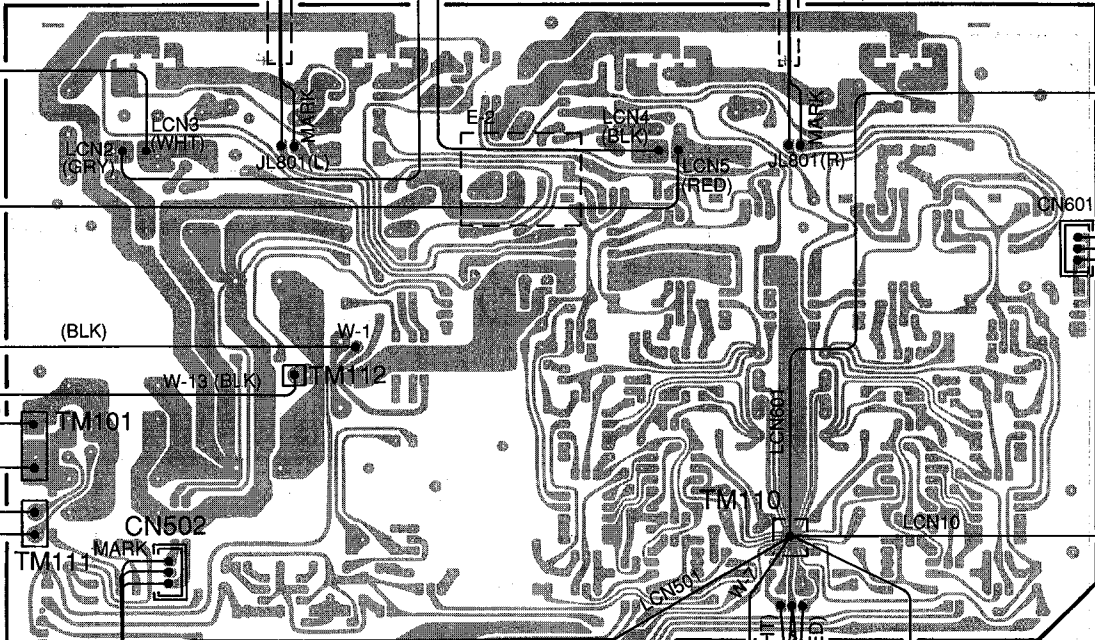
PCB-16



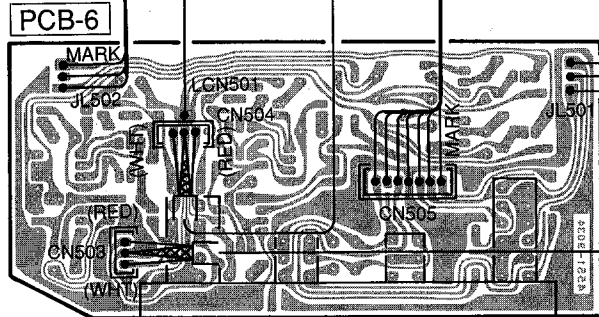
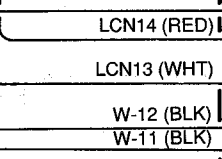
PCB-8



PCB-1

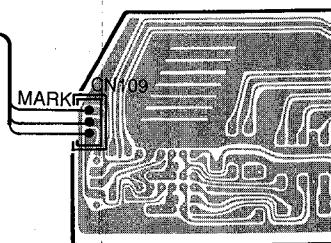


3



PCB-6

JL501



W-401 (GRY)

W-7 (BLK)

W-403 (GRY)

8221-2038

J

K

L

M

N

PCB-5

PCB-7

LCN601

LCN601

LCN601
MARK

LCN602

LCN602

MARK
JL601

LCN10

LCN10

JL501

MARK
JL501

LCN501

PCB-15

(BLU)

(BLK)

LCN4

MARK
CN409

LCN202

LCN4

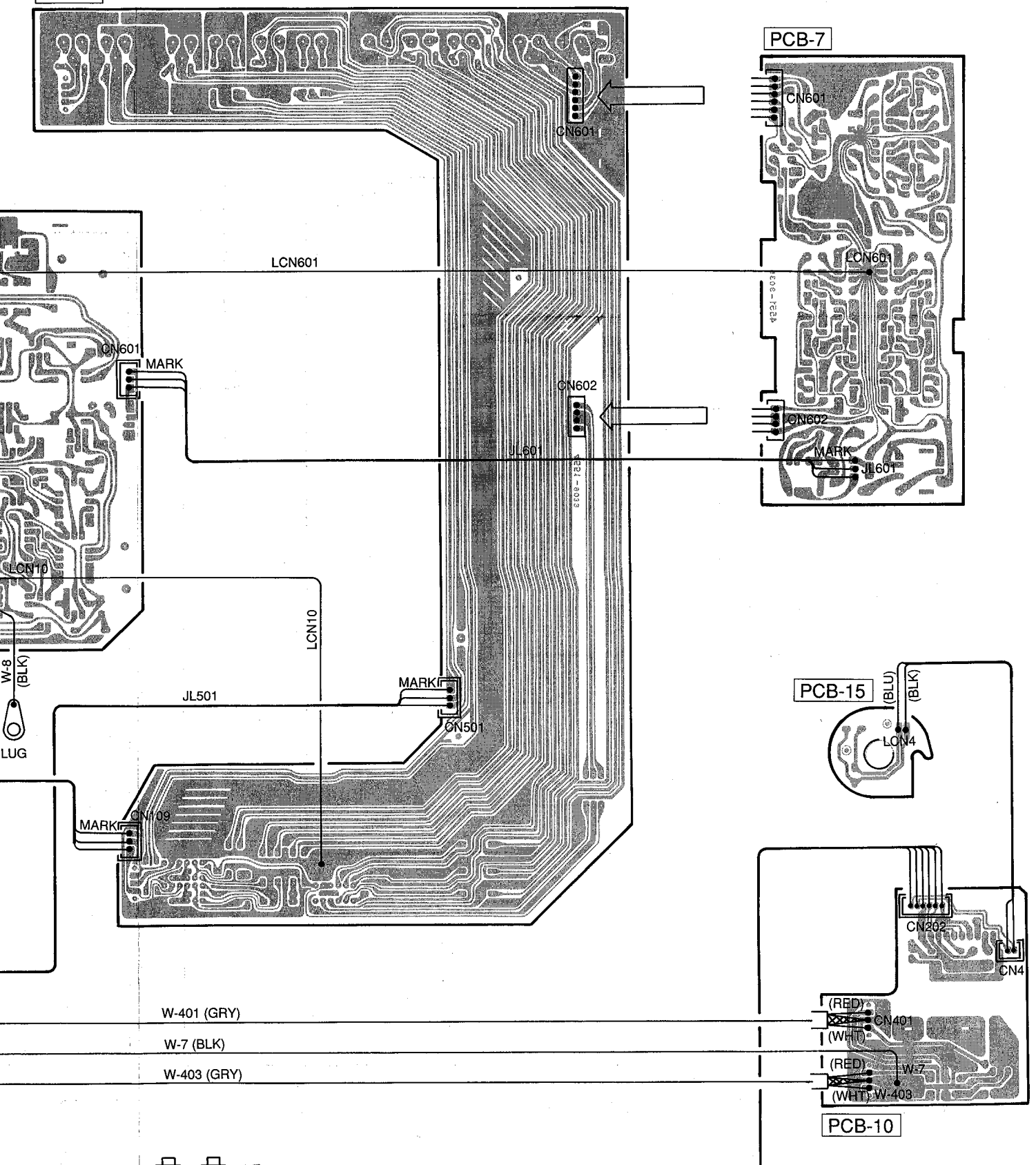
W-401 (GRY)

W-7 (BLK)

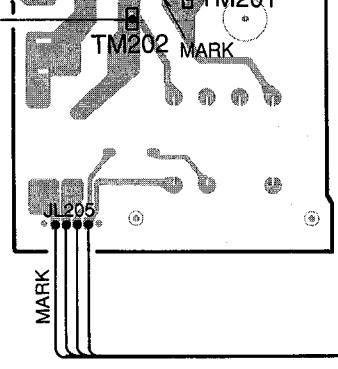
W-403 (GRY)

(RED)
CN401
(WHT)
(RED)
W-7
(WHT) W-403

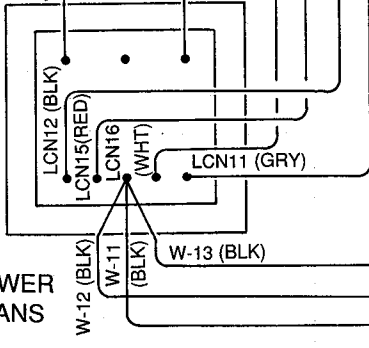
PCB-10



4



T1
POWER
TRANS



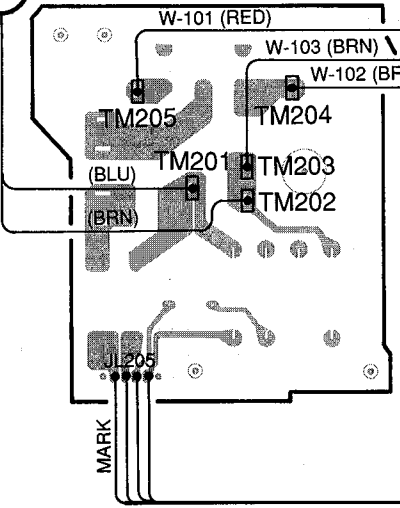
PCB-3

5

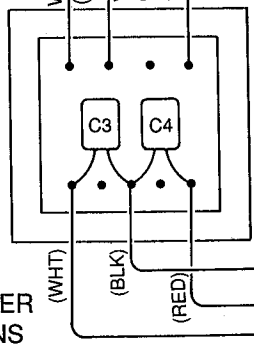
G GB IB
P1
AC230/240V 50/60Hz



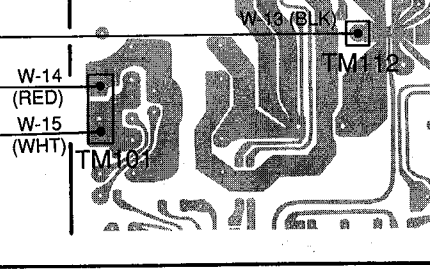
PCB-12



T1
POWER
TRANS



PCB-1



6

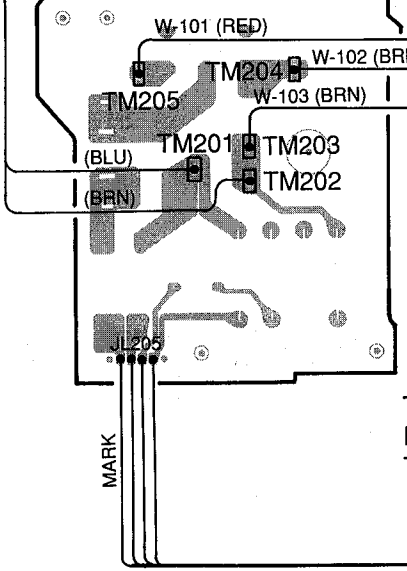
7

WB

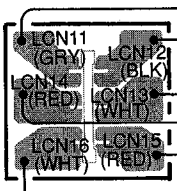
P1
AC230/240V
50/60Hz



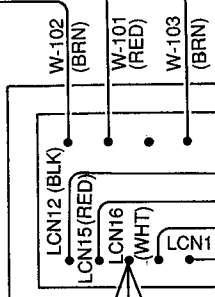
PCB-12



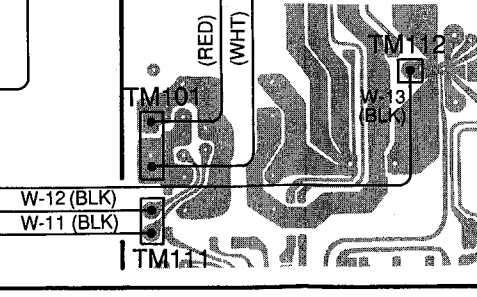
PCB-13



T1
POWER
TRANS



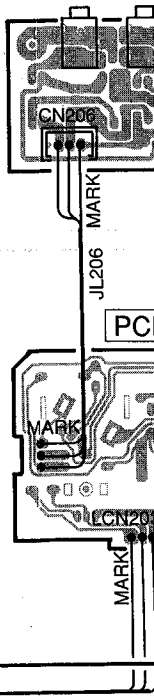
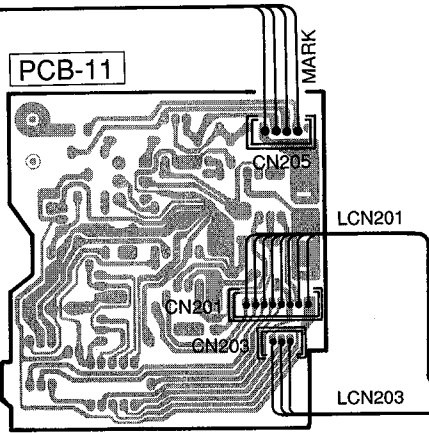
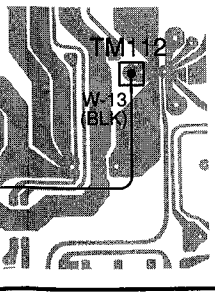
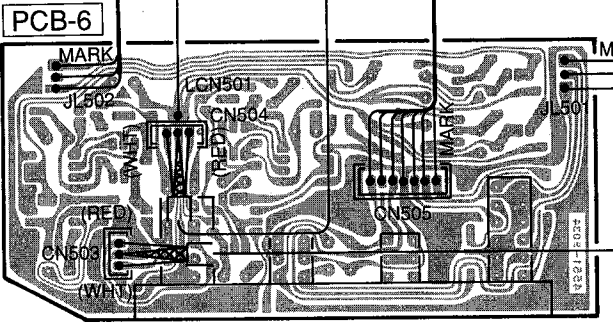
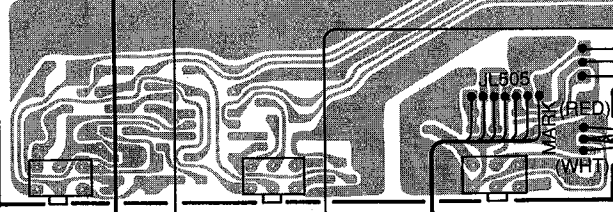
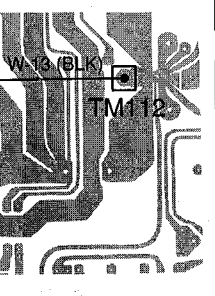
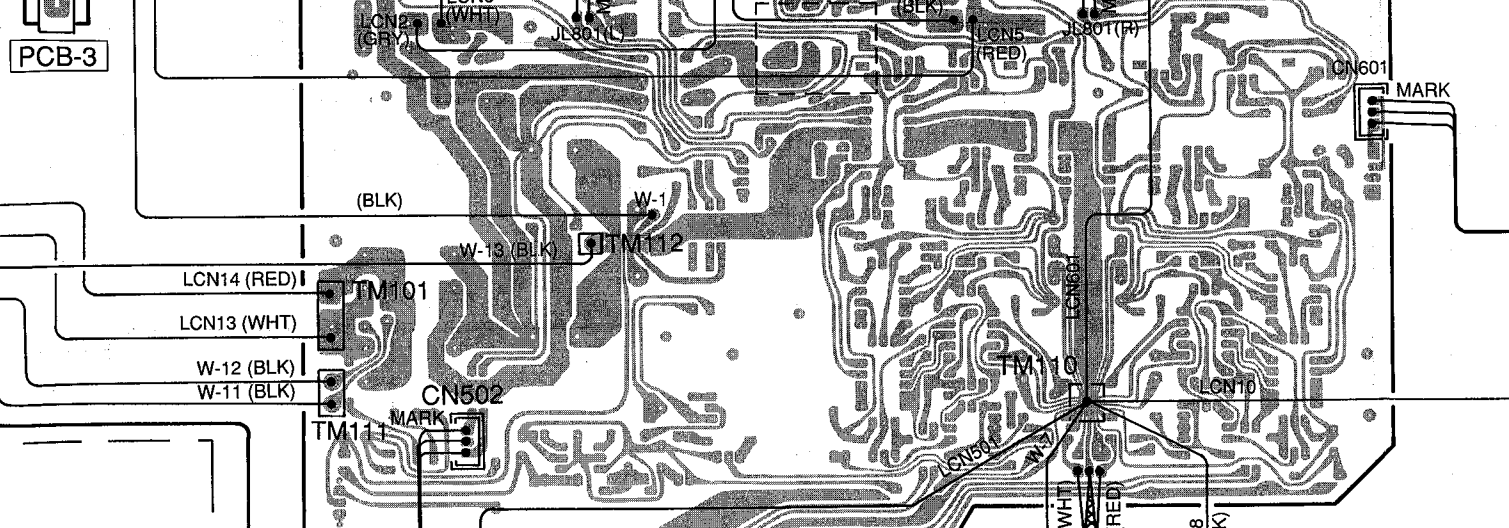
PCB-1

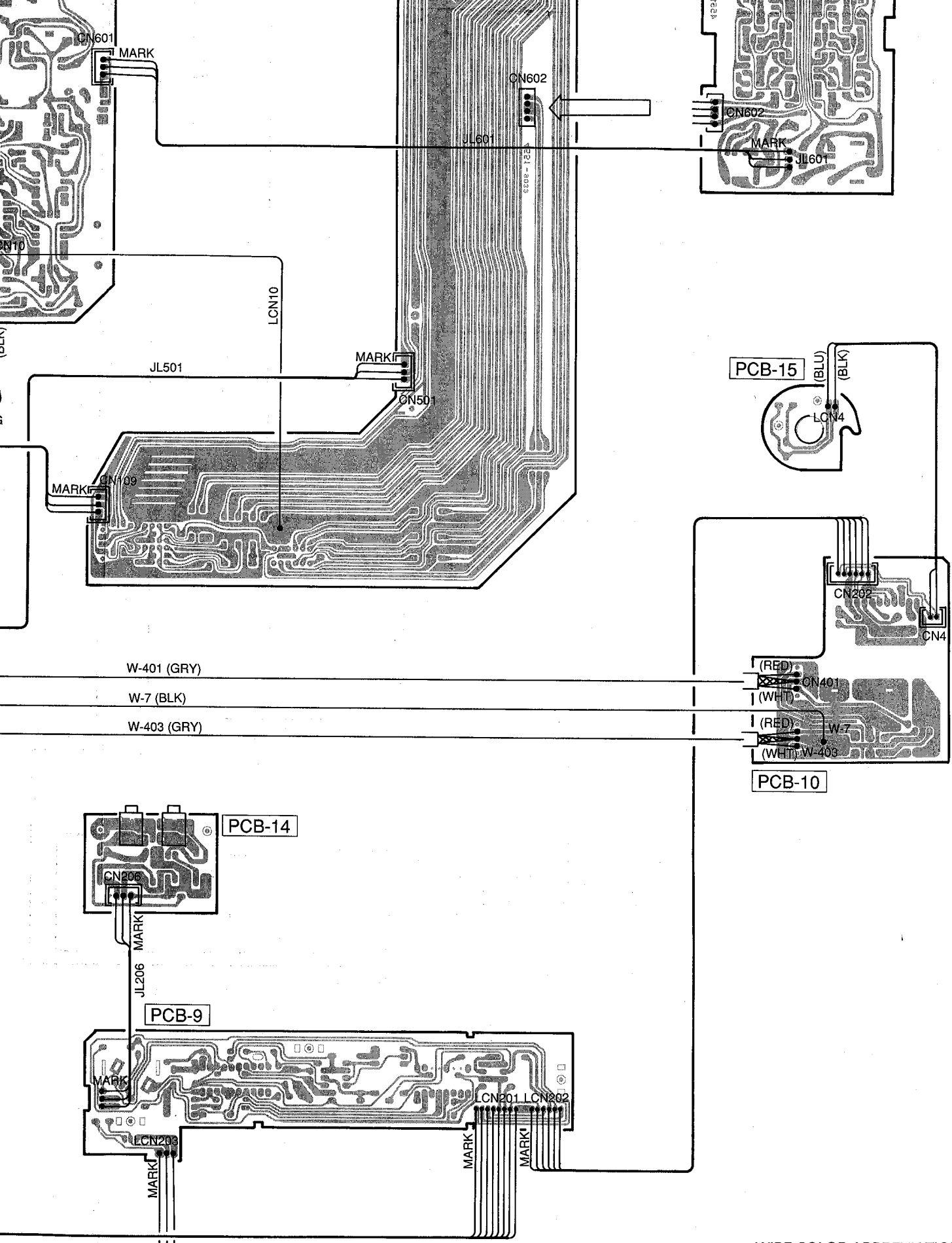


9

10

PCB-3





W-401 (GRY)
 W-7 (BLK)
 W-403 (GRY)

WIRE COLOR ABBREVIATIONS
 RED : Red YEL : Yellow
 ORG : Orange PUP : Purple
 BLU : Blue PIK : Pink
 WHT: White BRN : Brown
 BLK : Black