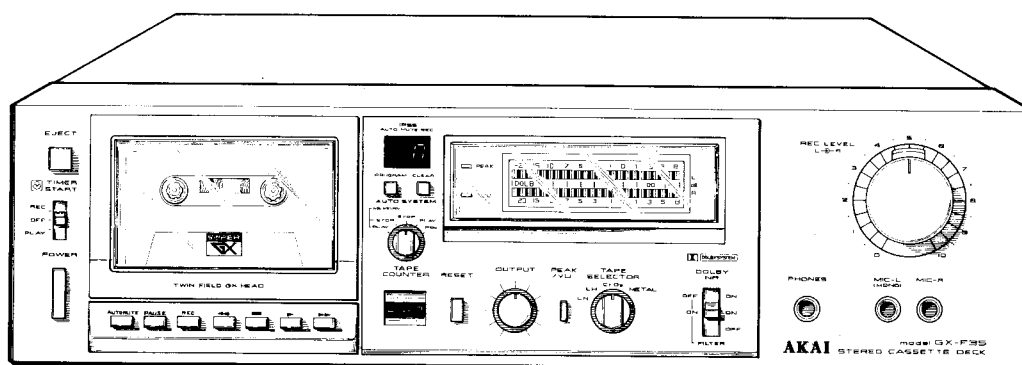


AKAI SERVICE MANUAL



STEREO CASSETTE DECK

MODEL **GX-F35**



STEREO CASSETTE DECK

MODEL **GX-F35**

THIS MODEL IS APPLICABLE TO BOTH SILVER AND BLACK PANEL MODEL

| | | |
|-----------|-------------------------|----|
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SECTION 1

SERVICE MANUAL

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

I . TECHNICAL DATA

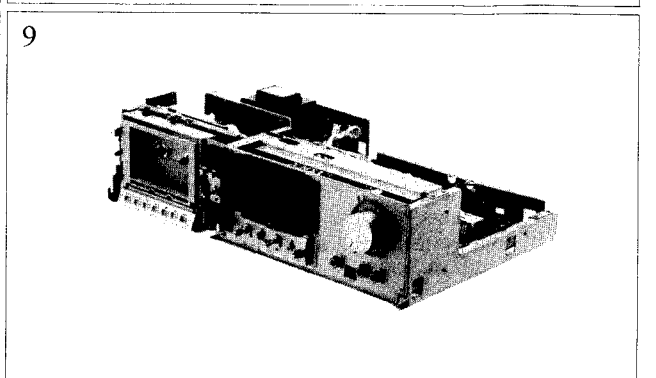
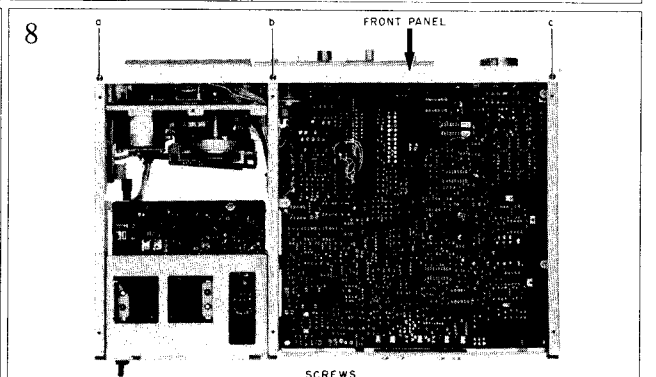
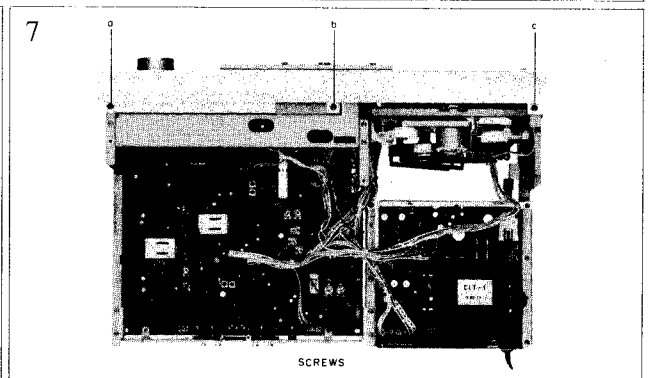
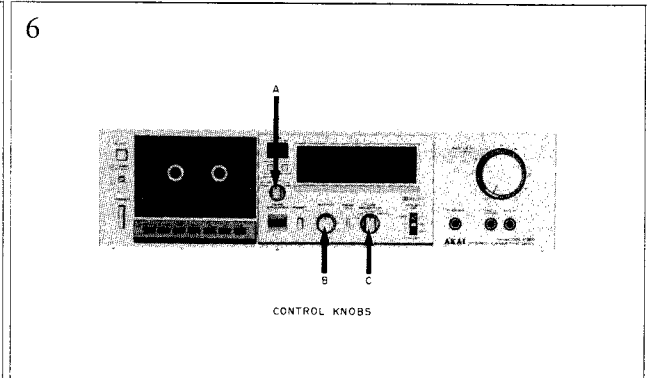
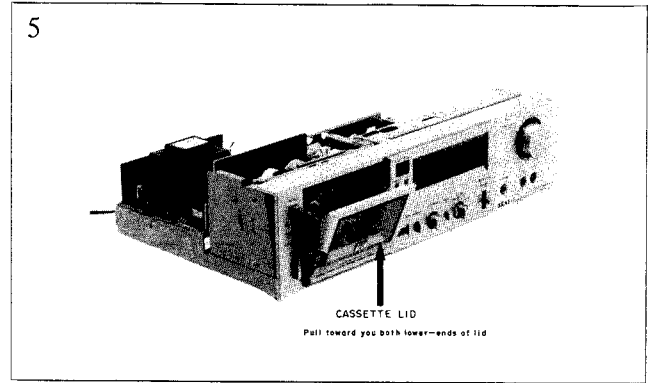
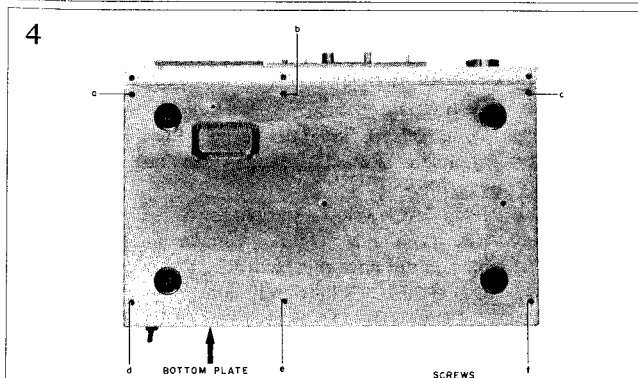
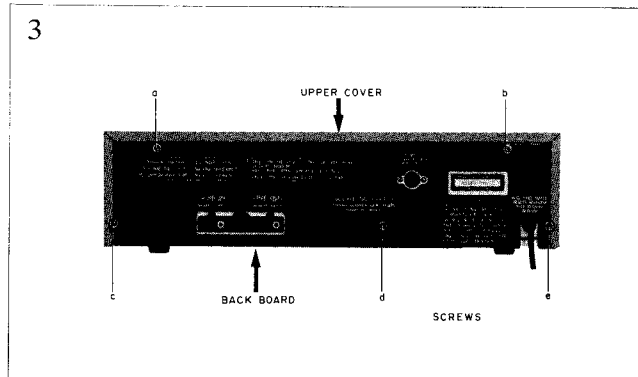
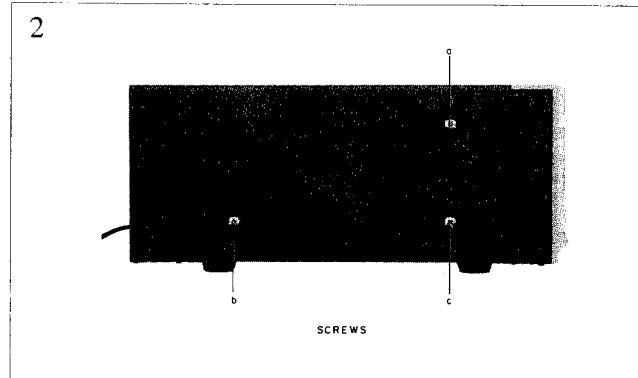
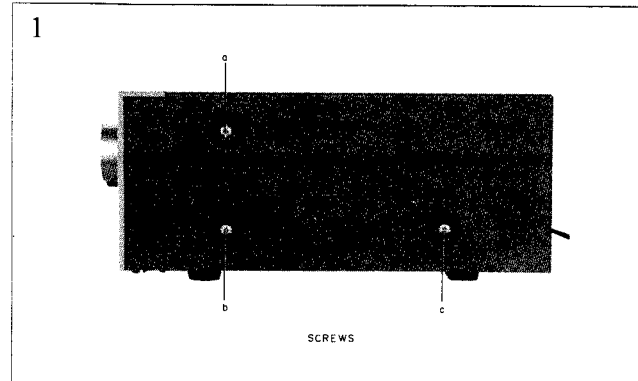
| | |
|-----------------------|---|
| TRACK SYSTEM | 4 Track 2 Channel Stereo System |
| TAPE | Philips Type Cassette |
| TAPE SPEED | 4.76 cm/s \pm 1.0% (1-7/8 ips. \pm 1.0%) |
| HEADS | Erase head \times 1 Twin Field Super GX head for Record/Playback \times 1 |
| MOTORS | Electronically speed controlled DC motor for capstan drive \times 1 DC motor for reel drive \times 1 |
| WOW & FLUTTER | Less than 0.04% WRMS, 0.11% (DIN 45500) |
| TAPE WINDING TIME | 80 sec. using a C-60 cassette tape |
| FREQUENCY RESPONSE | LN: 30 to 15,000 Hz \pm 3 dB (-20 VU) LH: 30 to 16,000 Hz \pm 3 dB (-20 VU) CrO ₈ : 30 to 16,500 Hz \pm 3 dB (-20 VU) 30 to 9,000 Hz \pm 3 dB (0 VU) Metal: 30 to 19,000 Hz \pm 3 dB (-20 VU) 30 to 13,000 Hz \pm 3 dB (0 VU) |
| SIGNAL TO NOISE RATIO | LN: Better than 58 dB LH: Better than 58 dB CrO ₈ : Better than 60 dB Metal: Better than 60 dB (Measured via tape with peak recording level) Dolby NR switch ON: Improves up to 10 dB above 5 kHz |
| HARMONIC DISTORTION | LN: Less than 0.8% LH: Less than 0.8% CrO ₂ : Less than 0.7% Metal: Less than 0.7% |
| INPUT | MIC: 0.25 mV (input impedance 5.0 kohms) Required microphone impedance: 600 ohms Line: 70 mV (input impedance 47 kohms) |
| OUTPUT | Line: 410 mV at 0 VU Required load impedance: more than 20 kohms Phone: 100 mV/8 ohms at 0 VU |
| DIN | Input: 2 mV (input impedance 10 kohms) Output: 410 mV Required load impedance: more than 20 kohms |
| POWER REQUIREMENTS | 100V, 50/60 Hz for JPN 120V, 60 Hz for U.S.A. and Canada 220V, 50 Hz for Europe except UK 240V, 50 Hz for UK and Australia 110V/120V/220V/240V, 50/60 Hz internally switchable for other countries. |
| POWER CONSUMPTION | JPN 24W U/T, AAL, CSA 25W |
| DIMENSIONS | 440(W) \times 118(H) \times 285(D) mm (17.3 \times 4.6 \times 11.2") |
| WEIGHT | 6.9 kg (15.2 lbs) |

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

*"Dolby" and the Double D system are trademarks of Dolby Laboratories. (Manufactured under license from Dolby Laboratories).

II. DISMANTLING OF UNIT

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



III. CONTROLS

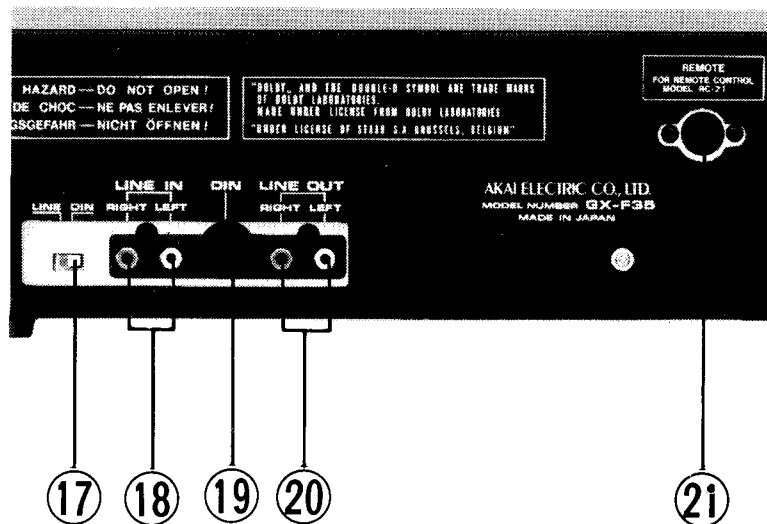
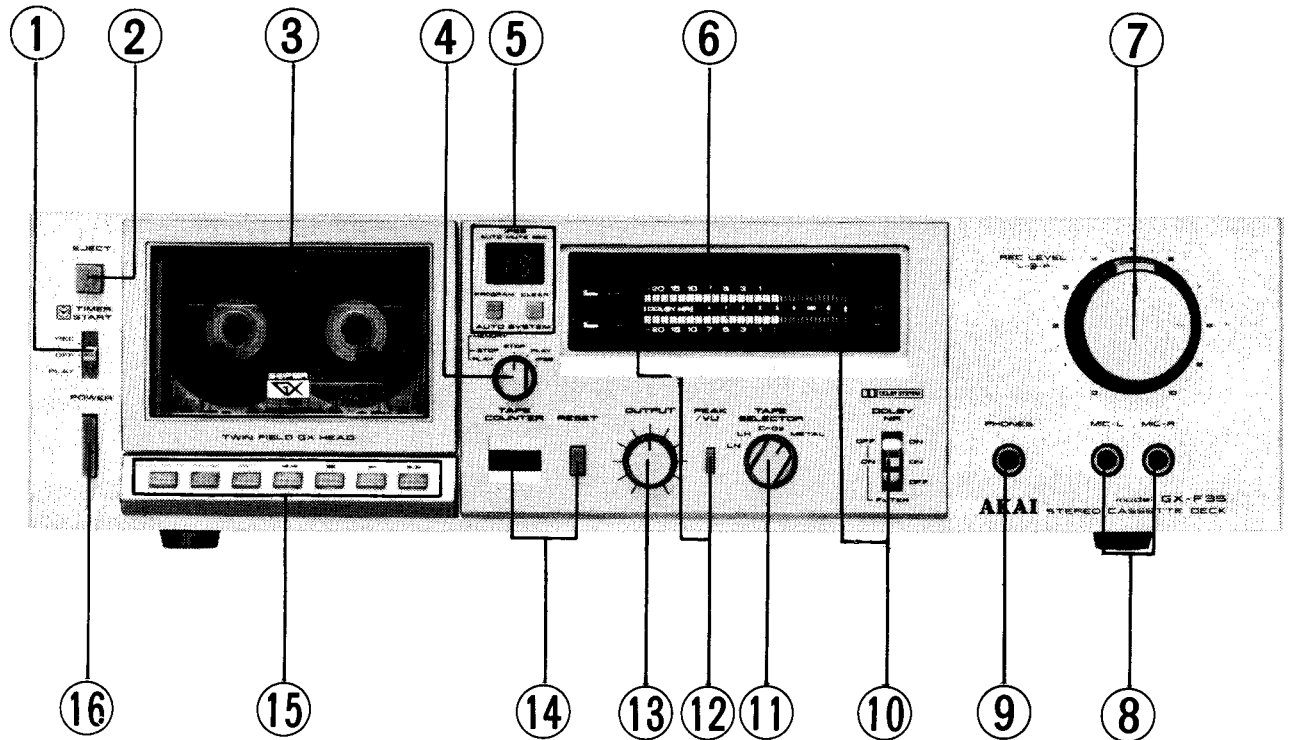


Fig. 1 Controls

- | | |
|--|---|
| <ol style="list-style-type: none"> 1. TIMER START SWITCH 2. EJECT BUTTON 3. CASSETTE RECEPTACLE 4. AUTO SYSTEM SELECTOR 5. IPSS/AUTO MUTE SEC DISPLAY, PROGRAM AND CLEAR BUTTONS 6. FL DISPLAY BAR METERS WITH PEAK HOLD 7. LEFT \rightarrow RIGHT RECORDING LEVEL CONTROLS 8. MICROPHONE JACK (left and right) 9. HEADPHONES JACK 10. DOLBY NR AND FILTER SWITCH AND INDICATOR | <ol style="list-style-type: none"> 11. TAPE SELECTOR 12. PEAK/VU SELECTOR AND INDICATOR 13. OUTPUT CONTROL 14. TAPE COUNTER AND RESET BUTTONS 15. OPERATING BUTTONS 16. POWER SWITCH 17. INPUT SELECTOR SWITCH (The JPN, U.S.A., Canada and U/T models do not have this facility) 18. LINE INPUT JACKS (left and right) 19. DIN JACK (The JPN, U.S.A., Canada and U/T models do not have this facility) 20. LINE OUTPUT JACKS (left and right) 21. REMOTE CONTROL JACK |
|--|---|

IV. PRINCIPAL PARTS LOCATION

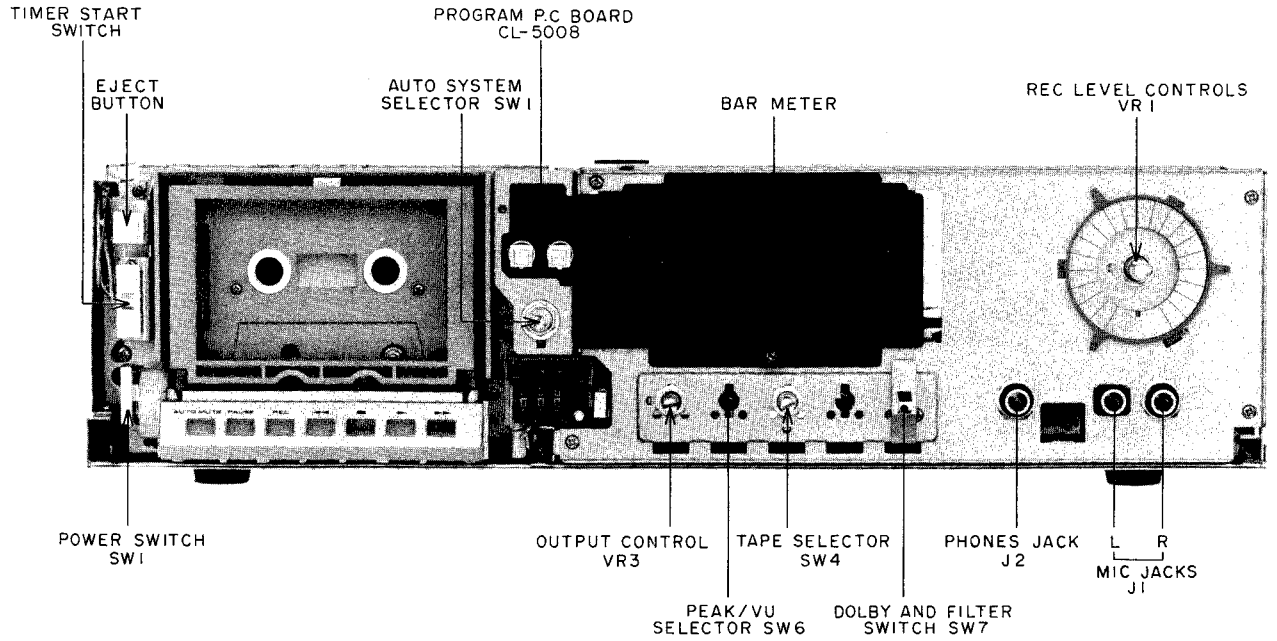


Fig. 2 Front View

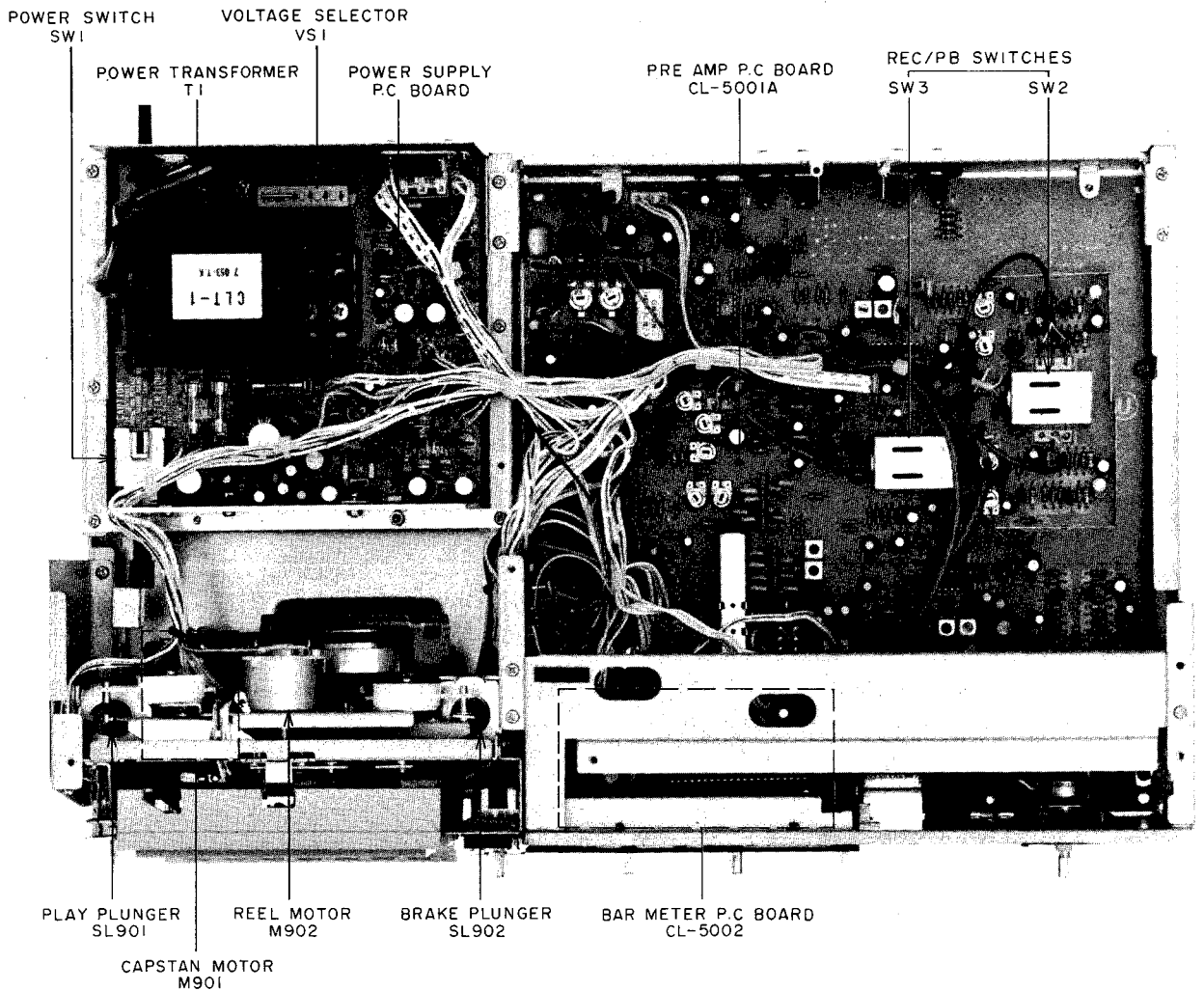


Fig. 3 Top View

V. VOLTAGE AND CYCLE CONVERSION

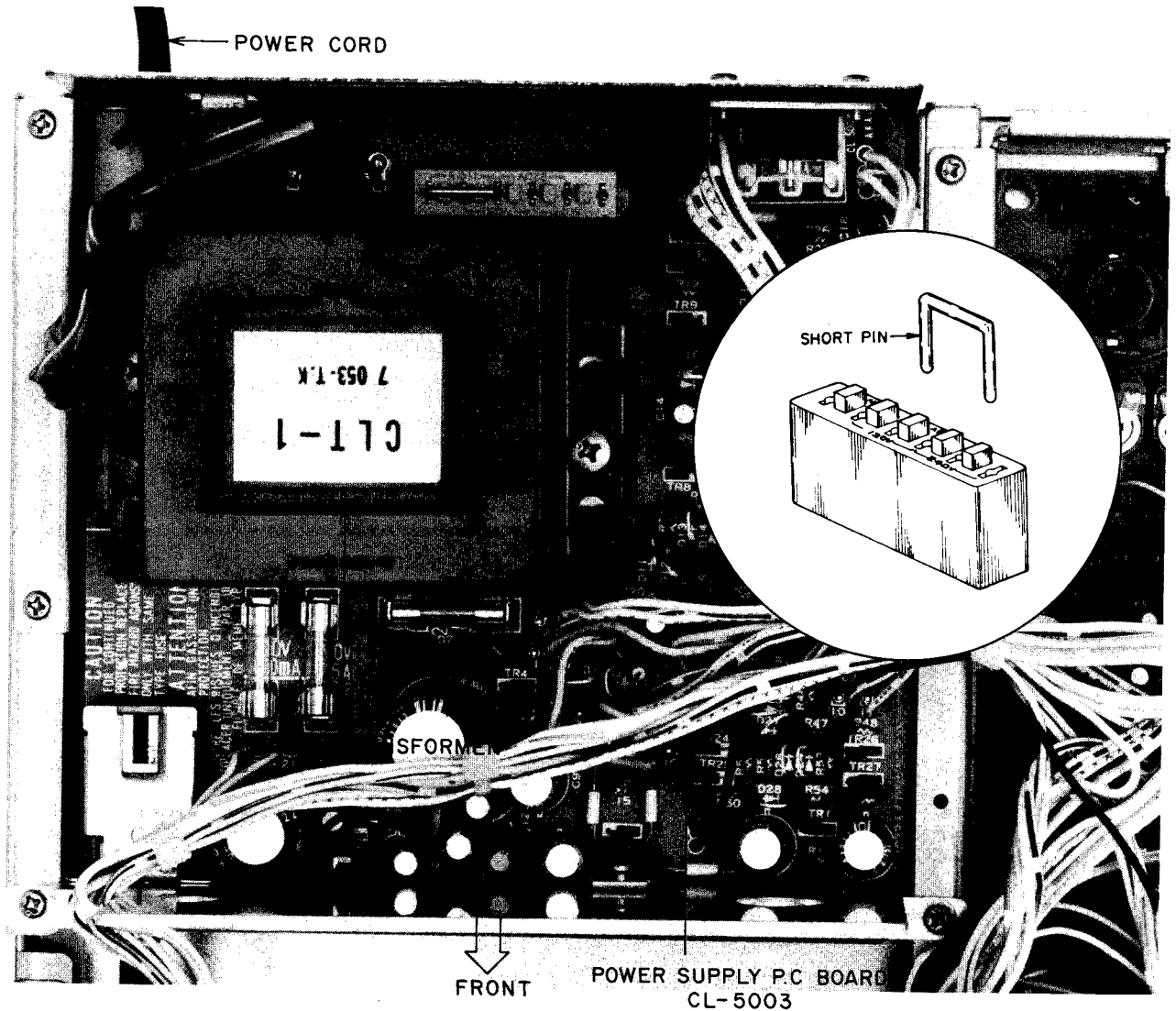


Fig. 4 Voltage Conversion (U/T Model Only)

1. VOLTAGE CONVERSION

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

Each machine is preset at the factory according to destination, but some machines can be set to 110V, 120V, 220V or 240V as required.

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

1. Disconnect power cord.
2. Loosen holding screws and remove upper cover.
3. Remove short pin plug from present holes and replace in correct holes.

Follow the markings explicitly.

2. CYCLE CONVERSION

With DC motor, cycle conversion is not necessary.

VI. MECHANICAL ADJUSTMENT

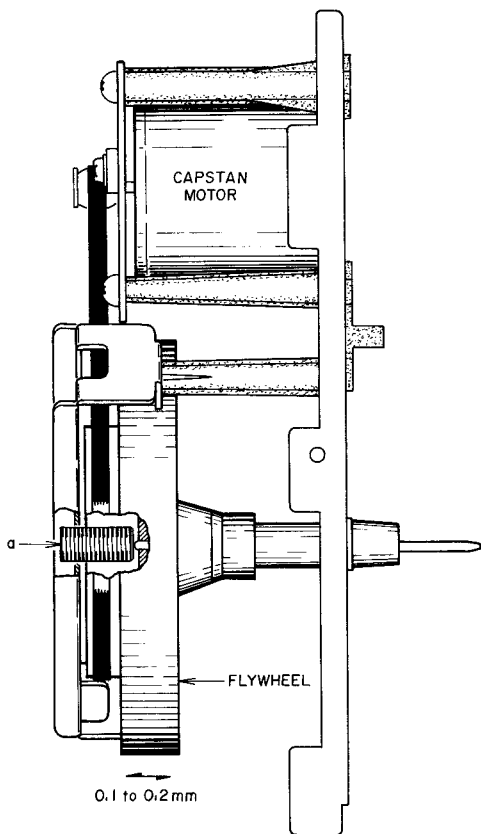


Fig. 5

1. FLYWHEEL LOOSE PLAY ADJUSTMENT

(Refer to Fig. 5)

Adjust the screw (a) so that the flywheel moves 0.1–0.2 mm in the direction indicated by the arrow.

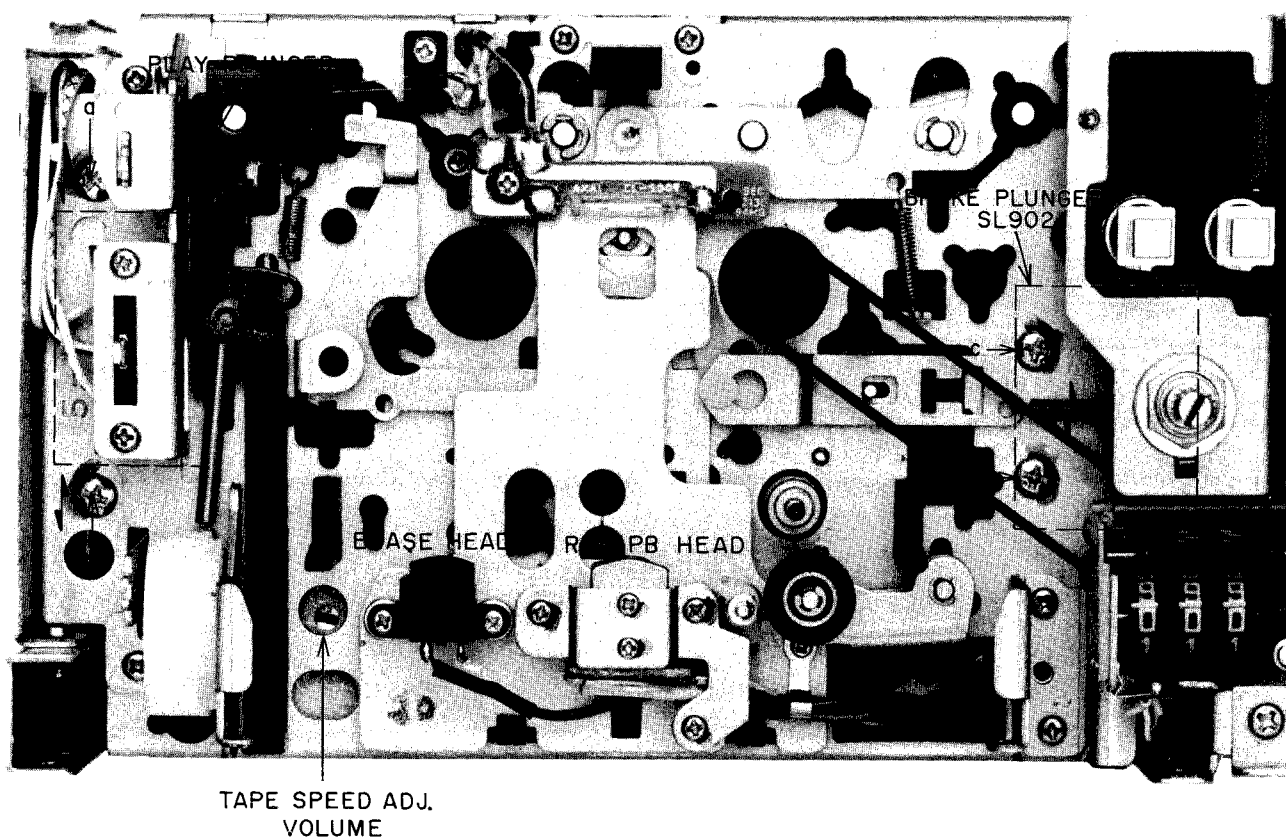


Fig. 6

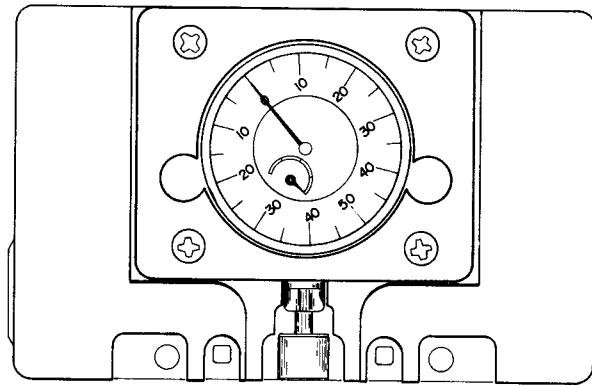


Fig. 7 AKAI Head Projection Gauge

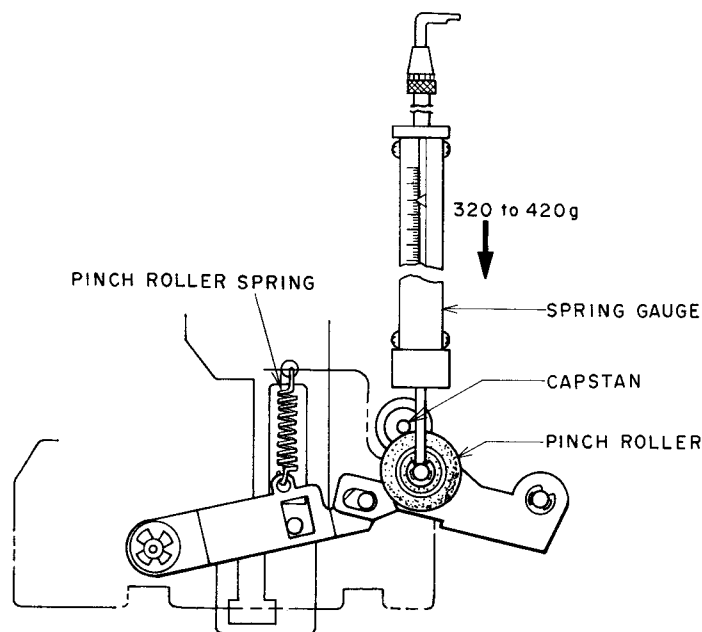


Fig. 8

2. PLUNGER POSITIONING

(Refer to Figs. 6, 7)

1) Play Plunger Adjustment

Set the Akai Head Projection Gauge. Adjust the screws (a) and (b) so that when PAUSE mode is engaged, the Head Projection Gauge indicates to $2.5\text{mm} \pm 0.05\text{mm}$.

2) Brake Plunger Adjustment

Set the Akai Head Projection Gauge. Adjust the screws (c) and (d) so that when PLAY mode is engaged, the Head Projection Gauge indicates to $3.5\text{mm} \pm 0.15\text{mm}$.

3. PINCH ROLLER PRESSURE MEASUREMENT (Refer to Fig. 8)

At playback mode, push the pinch roller with a spring gauge until the pinch roller separates from the capstan by about 1 mm to 2 mm and then gently return. Take a reading of the spring gauge indica-

tion at the moment the pinch roller touches the capstan and begins to rotate

Specified Pinch Roller Pressure 320–420 g

In case specified pressure cannot be attained, replace the pinch roller spring.

4. VARIOUS TORQUE MEASUREMENT

Use the Cassette Torque Meter to confirm that the value of each mode is as follows:

| | |
|-----------------|----------------|
| Take-up Torque: | 35 to 50 g-cm |
| Back Tension: | 2 to 4 g-cm |
| FF/RWD Torque: | 85 to 130 g-cm |

5. TAPE SPEED ADJUSTMENT

(Refer to Fig. 6)

Playback a 1,000 Hz pre-recorded test tape and adjust the tape speed adjustment volume to obtain a tape speed of 1,000 Hz ± 5 Hz.

VII. HEAD ADJUSTMENT

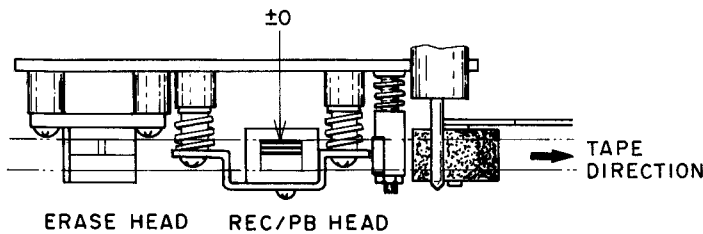
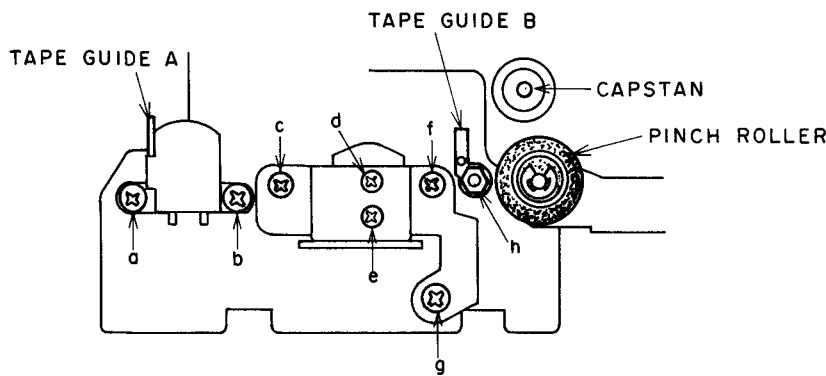


Fig. 9 Head Adjustment

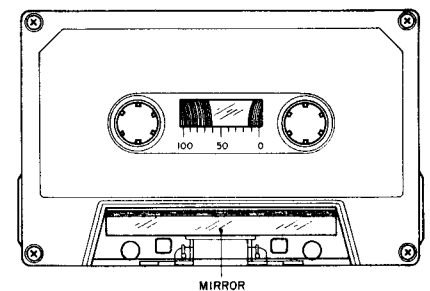


Fig. 10 Mirror Cassette

1. TAPE GUIDE HEIGHT ADJUSTMENT

(Refer to Figs. 9, 10)

- 1) When using an ordinary cassette, the tape guides and heads, etc. are not visible. As shown in Fig. 10 use a cassette tape from which part of the cassette case has been cut out and a mirror installed for easy visibility of the head area when making tape guide height adjustment.
- 2) At playback mode, using the tape guide (A) shown in Fig. 9 as standard for height, adjust tape guide (B) height with tape guide height adjustment nut so that the tape runs smoothly and does not catch on the tape guides.

2. RECORDING/PLAYBACK HEAD HEIGHT ADJUSTMENT (Refer to Figs. 9, 10)

- 1) Utilize the cassette tape used in Tape Guide Height Adjustment above and playback the leader tape part of cassette tape.
- 2) As shown in Fig. 9 adjust head height with screws (c), (f) and (g) until the upper edge of the tape is the same height as the upper edge of the left channel REC/PB head core.
- 3) After adjustment step 2), playback the Head Height Adjustment tape (4 track, 1,000 Hz) and adjust Head Height Adjustment screws (c), (f) and (g) to put the output from both channels to maximum.

3. RECORDING/PLAYBACK HEAD AZIMUTH ALIGNMENT ADJUSTMENT

(Refer to Fig. 9)

- 1) Playback a 10 kHz pre-recorded cassette azimuth alignment test tape and adjust screw (c) shown in Fig. 9 to obtain maximum output on both channels.
- 2) Invert cassette and confirm that the output level does not change from that obtained in Item 3-1) above. If the output level differs, adjust in the same way as in Item 3-1) above until both sides of the test tape display equal output.
- 3) After adjustment, better to check again head height and azimuth alignment.

- NOTES:
1. Be sure to clean the heads prior to head adjustment.
 2. Be careful not to use a magnetized screwdriver or other magnetized tools in the vicinity of the heads.
 3. Be sure to demagnetize the heads with a Head Demagnetizer before and after head adjustment.
 4. When a mirror installed cassette test tape as shown in Fig. 10 is required, it can be ordered from AKAI Electric Co.

VIII. ELECTRICAL ADJUSTMENT

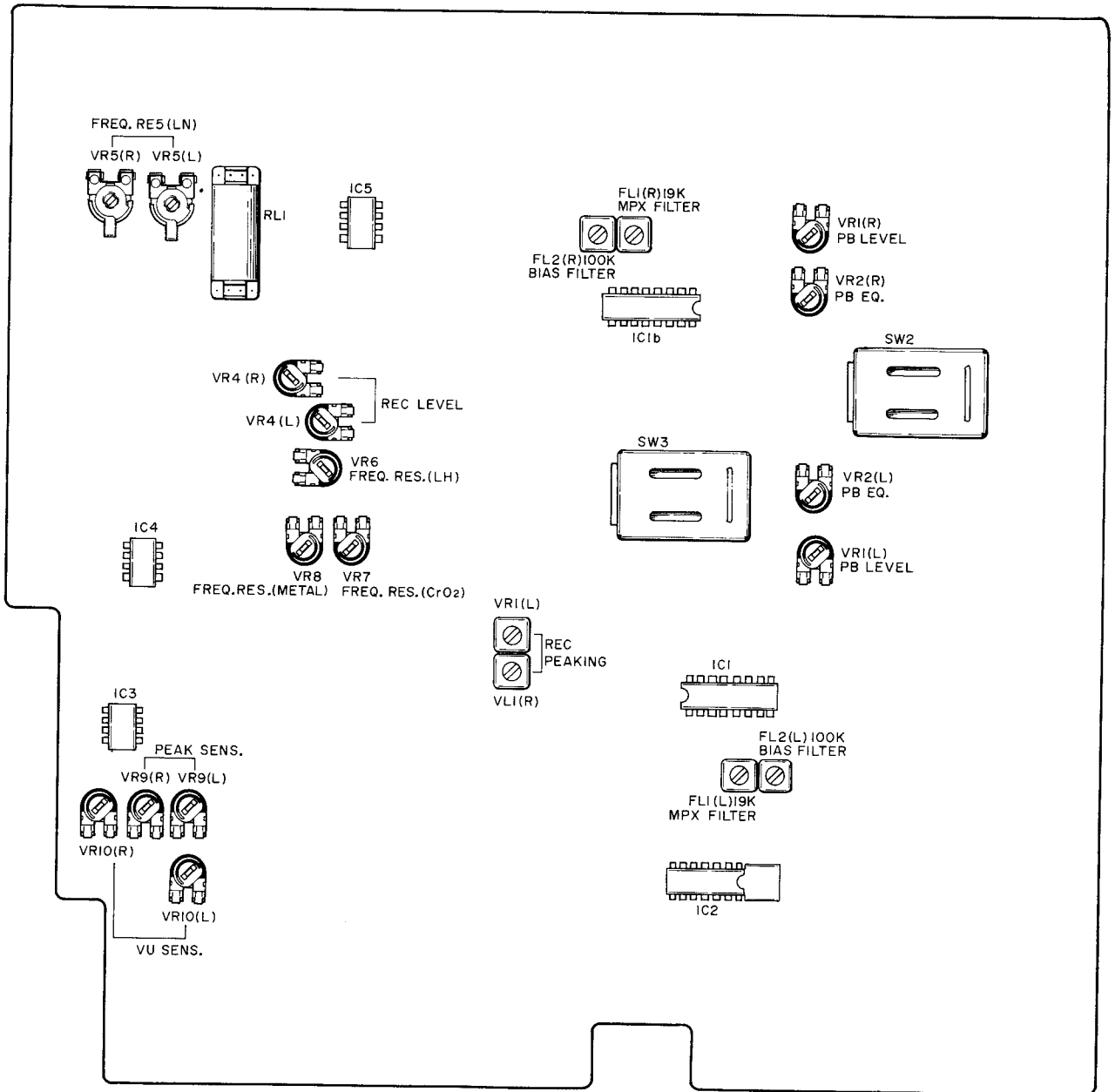


Fig. 11 Adjustment Points Pre Amp P.C Board CL-5001A

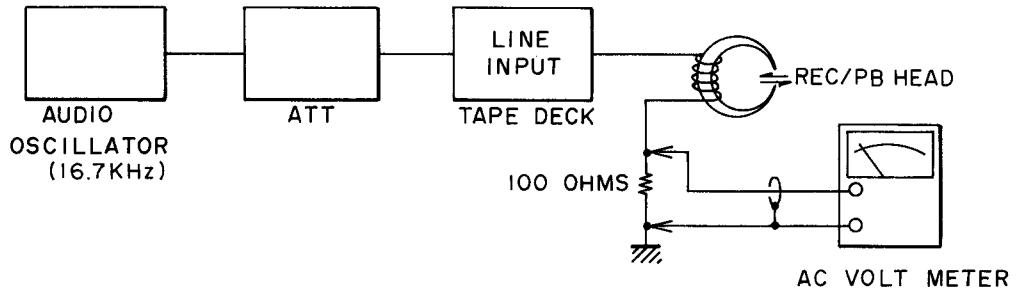


Fig. 12 Rec Peaking Adjustment

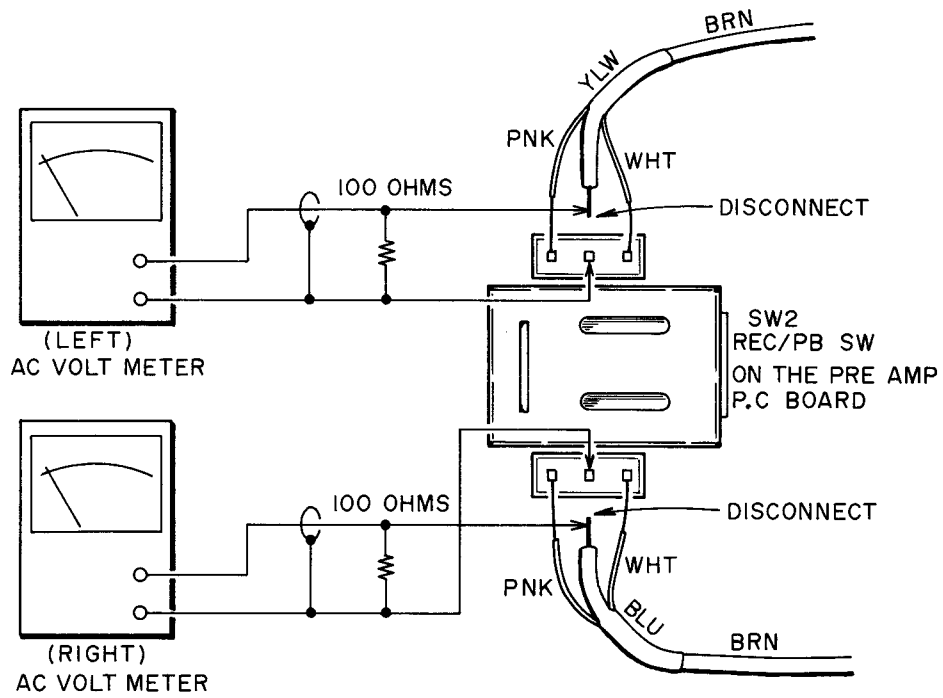


Fig. 13 Rec Peaking Adjustment

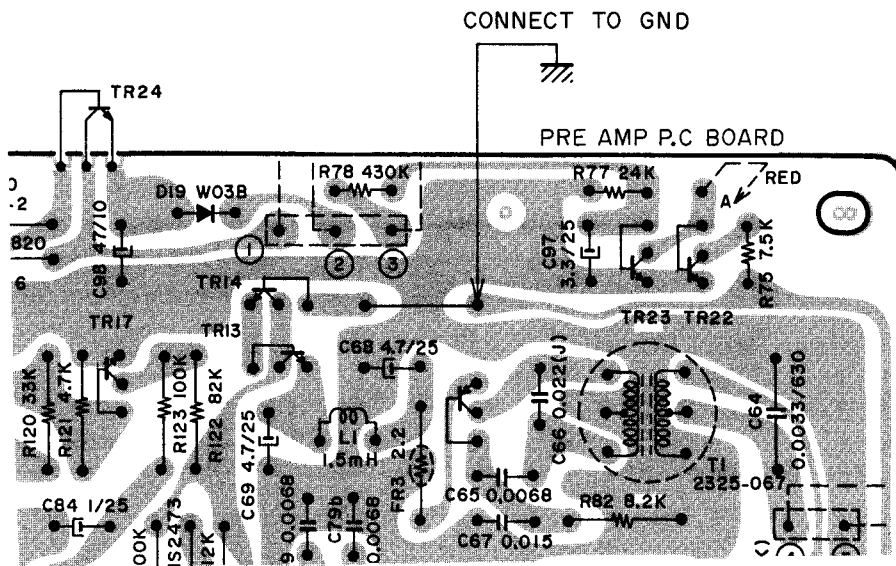


Fig. 14 Rec Peaking Adjustment

| Step | Adjustment Item | Test Tape Supply Signal | Mode | Test Point | Adjustment Parts | Result & Remarks |
|------|--|---|----------------------------------|-----------------|------------------|---|
| 1 | PB Level | Test Tape (333 kHz) | PB | Line Out | VR1 (50 kB) | -5.5 dBs ± 0.5 dB |
| 2 | PB EQ. | Test Tape (10 kHz) | PB LN Position | Line Out | VR2 (5 kB) | -19 dB |
| 3 | VU Sensitivity | 1 kHz from Oscillator | Rec VU Position | Bar Meter | VR10 (20 kB) | Adjust so that the Bar Meter indicates 0 dB when setting the Line Out to -5.5 dB with Rec Volume. |
| 4 | PEAK Sensitivity | 1 kHz from Oscillator | Rec Peak Position | Bar Meter | VR9 (20 kB) | Adjust so that at the same condition as above the Bar Meter indicates - 7 dB. |
| 5 | Rec Peaking | 16.7 kHz -25.5 dB from Oscillator | Rec LN Position | Figs. 12, 13 14 | VL1 (10 mH) | Maximum Voltage (Note 4) |
| 6 | Frequency Response (LN) | LN Blank Tape 1 kHz, 10 kHz -25.5 dBm | REC/PB LN Position | Line Out | VR5 (50 kB) | 1 kHz to 10 kHz flat Level |
| 7 | Frequency Response (LH) | LH Blank Tape 1 kHz, 10 kHz -25.5 dBm | REC/PB LH Position | Line Out | VR6 (100 kB) | Same as above. |
| 8 | Frequency Response (CrO ₂) | CrO ₂ Blank Tape 1 kHz, 10 kHz -25.5 dBm | REC/PB CrO ₂ Position | Line Out | VR7 (100 kB) | Same as above. |
| 9 | Frequency Response (Metal) | Metal Blank Tape 1 kHz, 10 kHz -25.5 dBm | REC/PB Metal Position | Line Out | VR8 (50 kB) | Same as above. |
| 10 | REC Level | LN Blank Tape -5.5 dBm | REC/PB LN Position | Line Out | VR4 (30 kB) | -5.5 dBs ± 0.5 dB |
| 11 | Bias Filter | No Signal | REC REC Vol. Maximum Position | Line Out | FL2 | Minimum Output |
| 12 | MPX Filter | 19 kHz from Oscillator | REC Filter ON | Line Out | FL1 | Minimum Output |

- NOTES: 1. The Output Volume should be set at maximum.
2. The Input Selector switch should be set at "LINE". (Europe, UK and Australia Models only.)
3. Please use the following tapes as measuring tapes.
LN Tape: TDK LN2 C-60
LH Tape: Maxell UD C-60
CrO₂ Tape: TDK SA C-60
Metal Tape: TDK MA-C C-60
4. Ground the base of TR14, as shown in Fig. 14, to stop the Bias Oscillator from oscillating when conducting REC Peaking Adjustment.

IX. DC RESISTANCE OF VARIOUS COILS

| Description | Name | DC Resistance |
|---------------------------|----------|--------------------|
| REC/PB Head | PR4-7 | 650 ohms \pm 10% |
| Erase Head | HF213151 | 3.5 ohms |
| Play and Brake Plunger | 1240 PLT | 90 ohms \pm 10% |

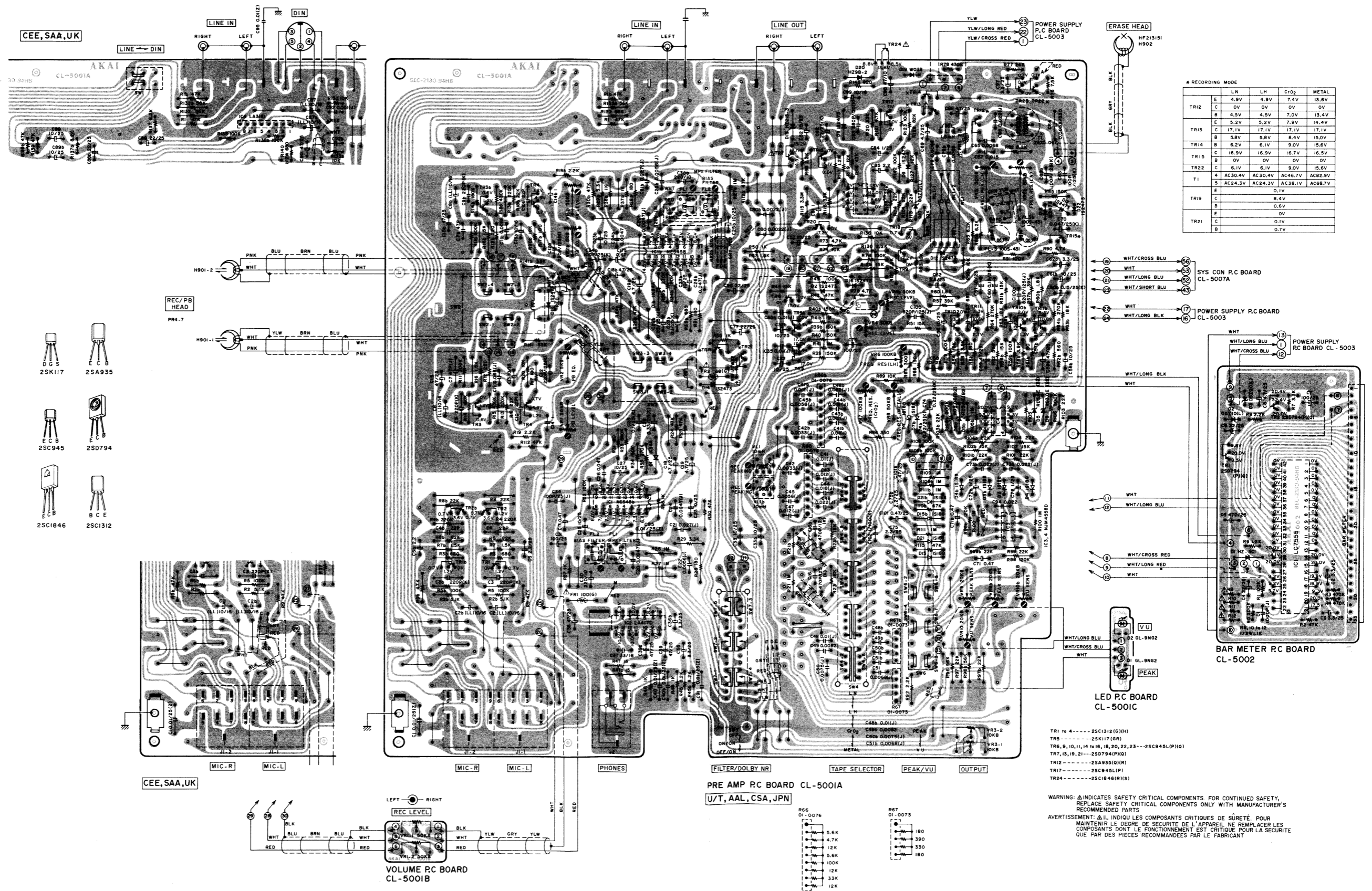
X. CLASSIFICATION OF VARIOUS P.C BOARDS

1. P.C Board Titles and Identification Numbers

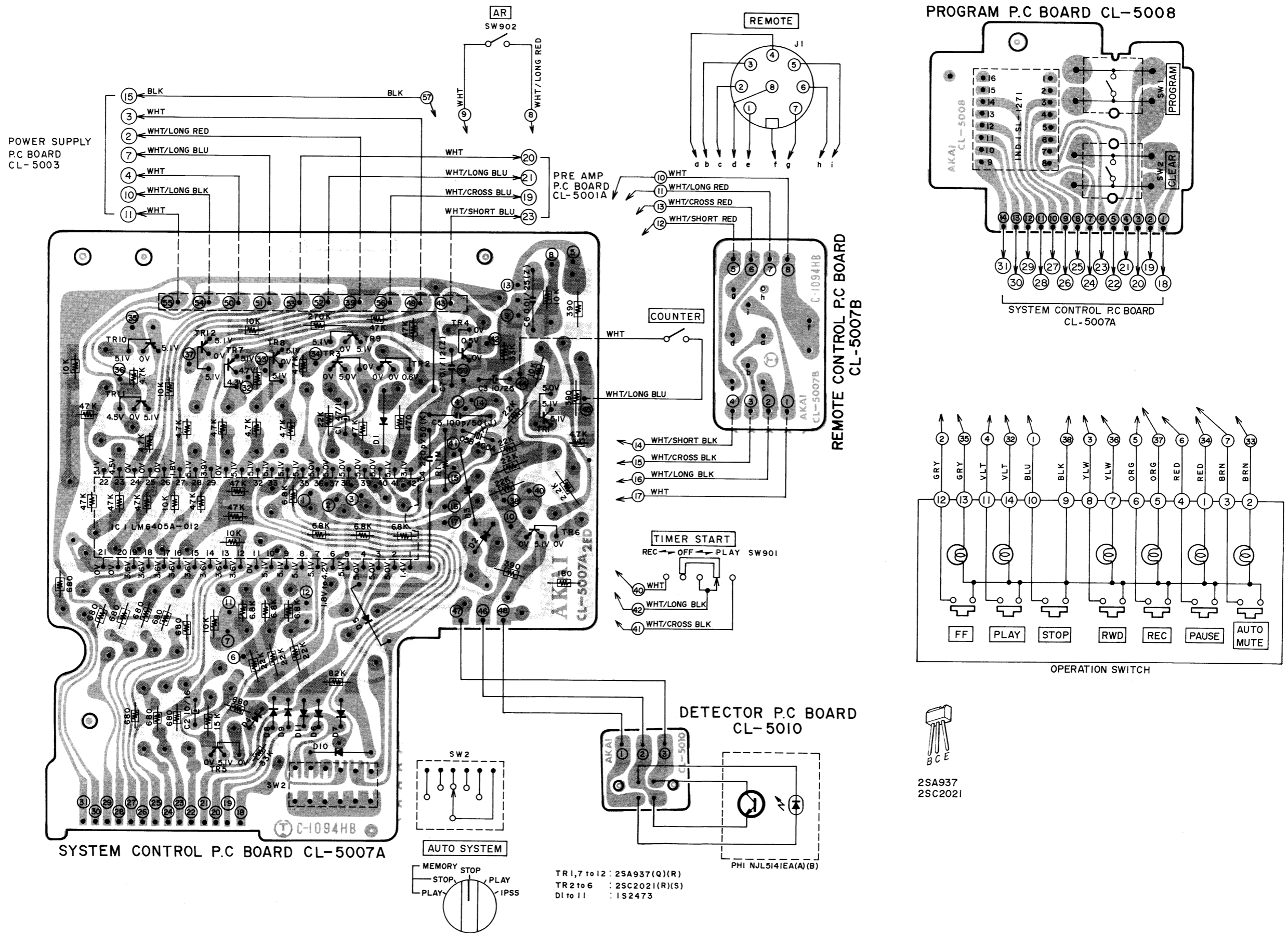
| P.C Board Title | P.C Board Number | Remarks |
|--------------------------|------------------|--------------|
| Pre Amp P.C Board | CL-5001A | |
| Volume P.C Board | CL-5001B | |
| LED P.C Board | CL-5001C | |
| Bar Meter P.C Board | CL-5002 | |
| Power Supply P.C Board | CL-5003 | U/T |
| Power Supply P.C Board | CL-5004 | JPN |
| Power Supply P.C Board | CL-5005 | AAL |
| Power Supply P.C Board | CL-5006 | CEE, SAA, UK |
| Power Supply P.C Board | CL-5025 | CSA |
| System Control P.C Board | CL-5007A | |
| Remote Control P.C Board | CL-5007B | |
| Program P.C Board | CL-5008 | |
| Lamp P.C Board | CL-5009 | |
| Detector P.C Board | CL-5010 | |

2. COMPOSITION OF VARIOUS P.C BOARDS

1) Pre Amp P.C Board CL-5001A, Volume P.C Board CL-5001B, LED P.C Board CL-5001C and Bar Meter P.C Board CL-5002

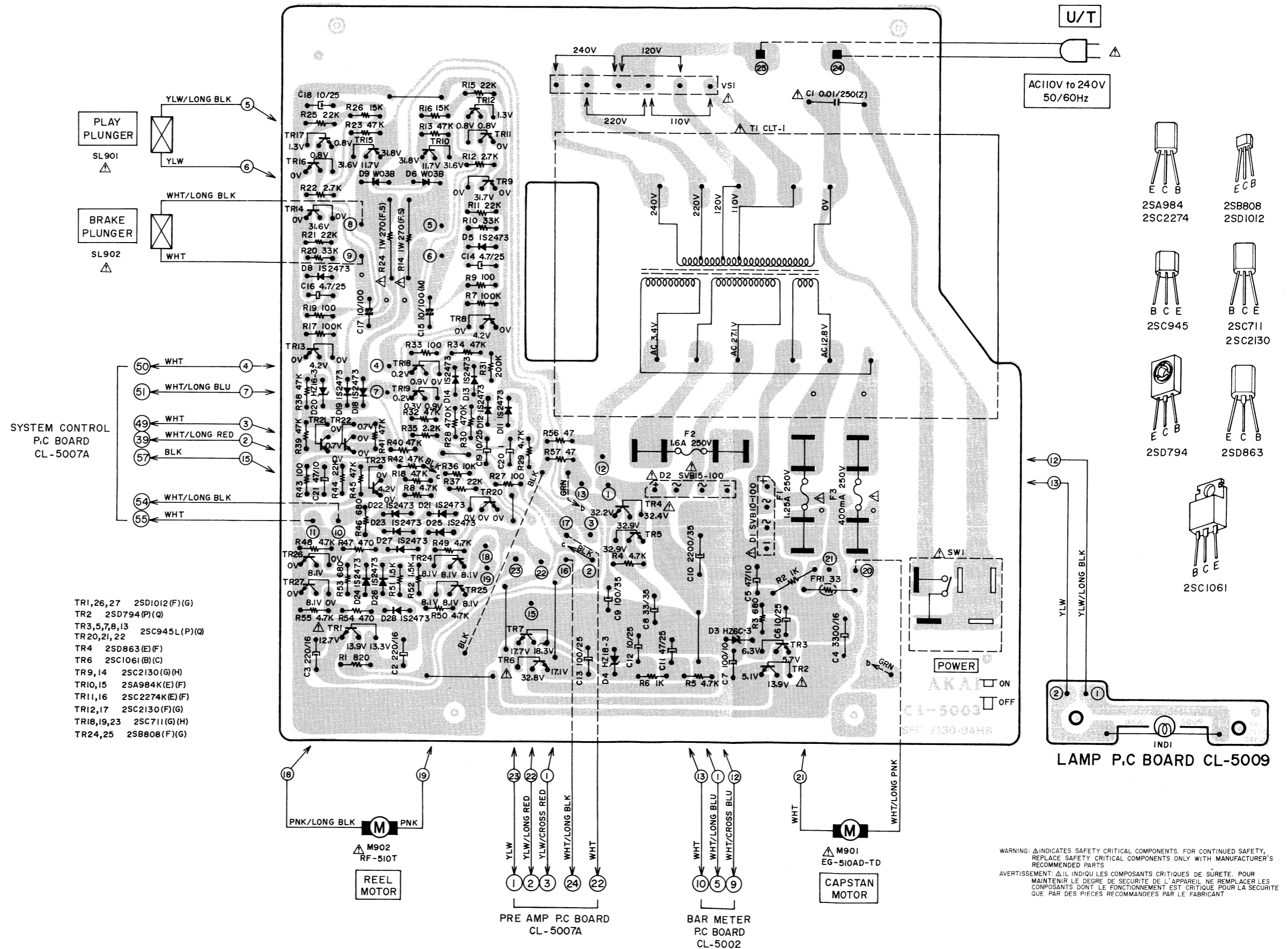


2) System Control P.C Board CL-5007A(2ED), Remote Control P.C Board CL-5007B, Program P.C Board CL-5008 and Detector P.C Board CL-5010



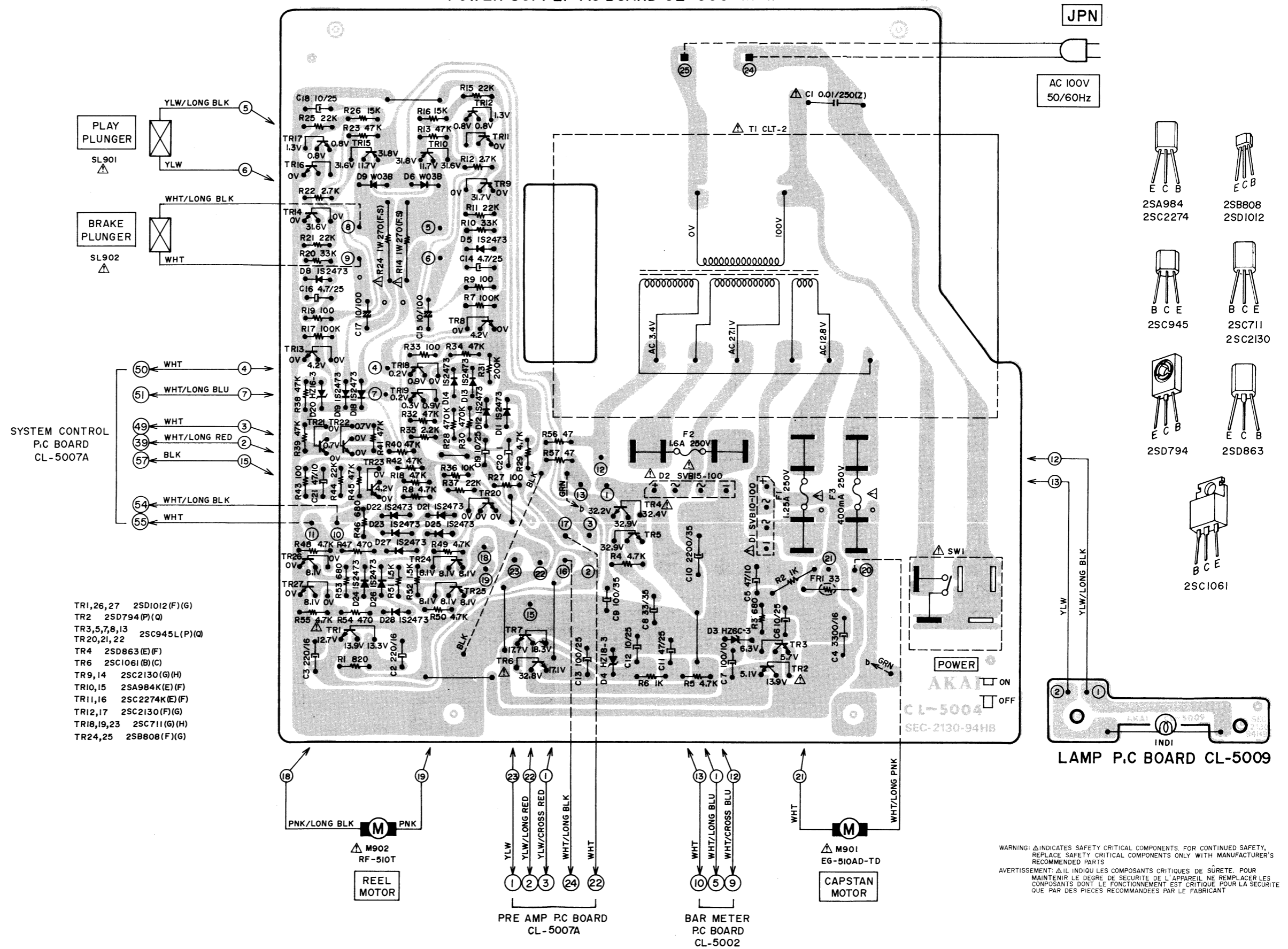
3) Power Supply P.C Board (U/T) CL-5003 and Lamp P.C Board CL-5009

POWER SUPPLY P.C BOARD CL-5003 (U/T)



4) Power Supply P.C Board (JPN) CL-5004, and Lamp P.C Board CL-5009

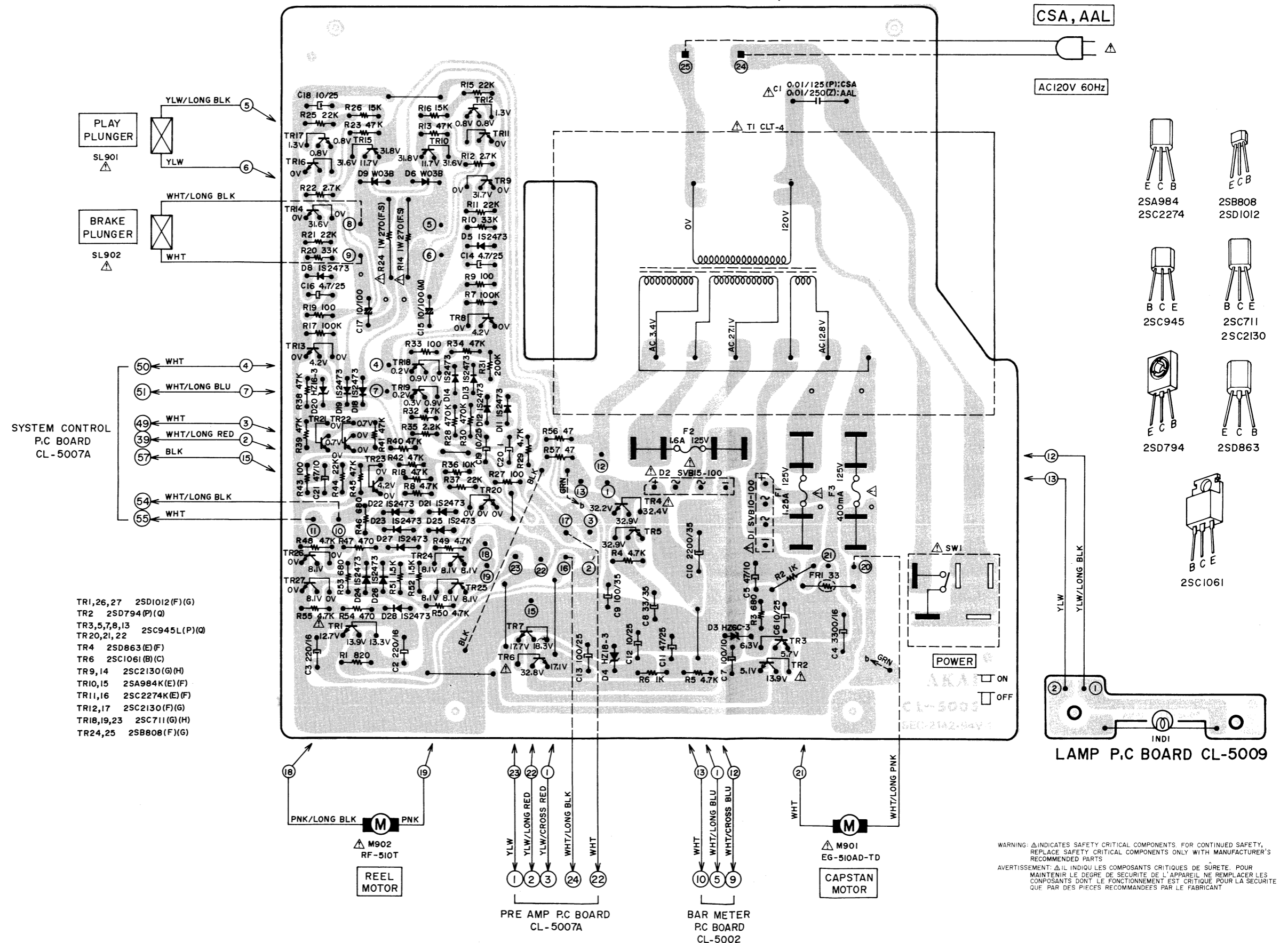
POWER SUPPLY P.C BOARD CL -5004(JPN)



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

5) Power Supply P.C Board (CSA, AAL) CL-5005 and Lamp P.C Board CL-5009

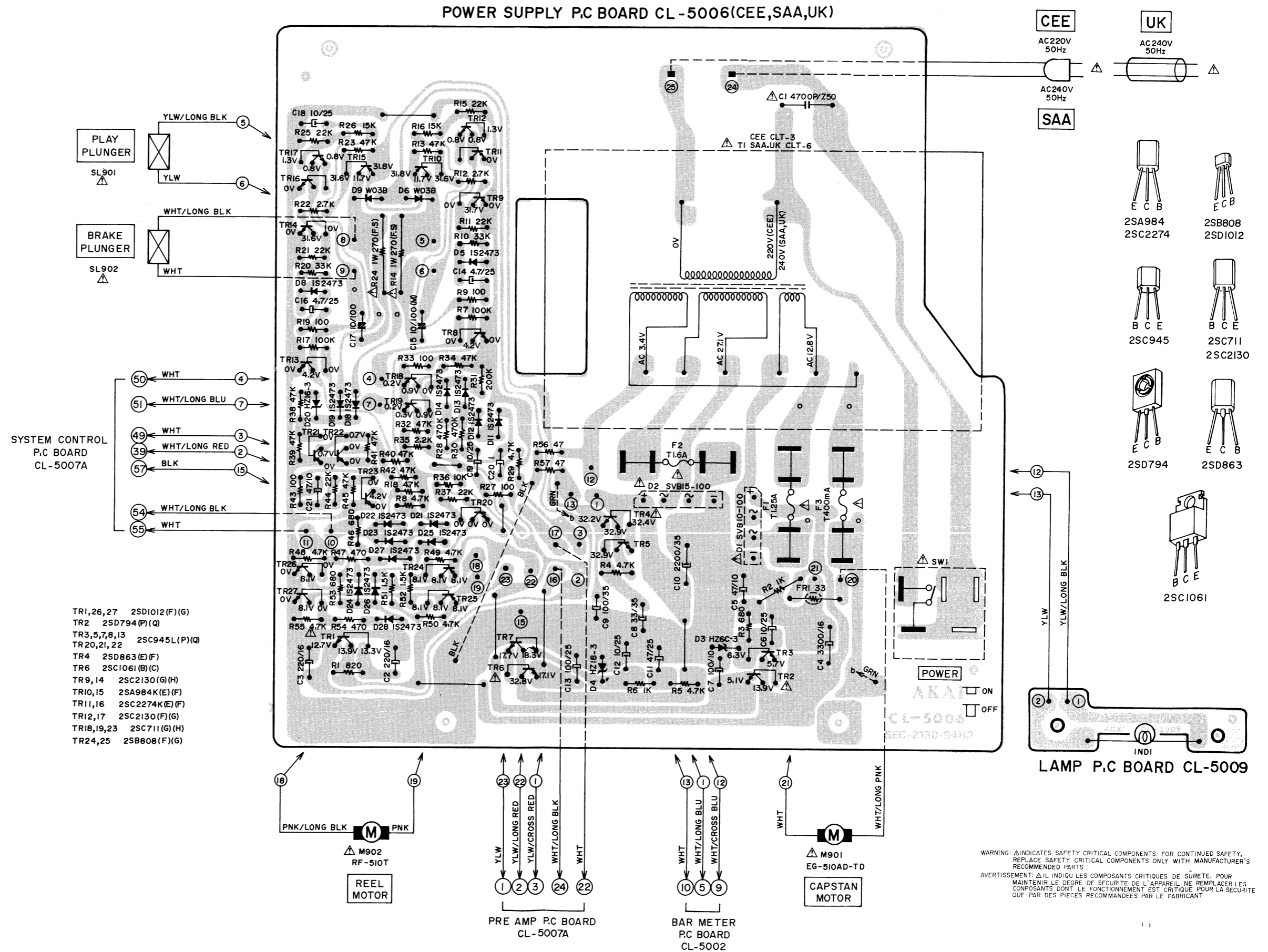
POWER SUPPLY P.C BOARD CL - 5005(CSA,AAL)



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

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

6) Power Supply P.C Board (CEE, SAA, UK) CL-5006 and Lamp P.C Board CL-5009



SECTION 2

PARTS LIST

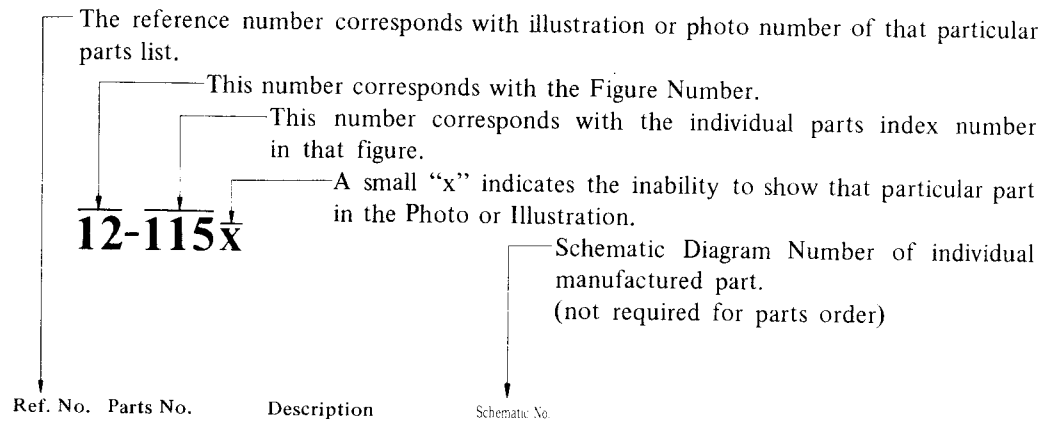
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Resistor and Capacitor which is not listed in this parts list, please refer to COMMON LIST FOR SERVICE PARTS.

HOW TO USE THIS PARTS LIST

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



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

CAUTION:

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

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

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

AC INLET SYSTEM

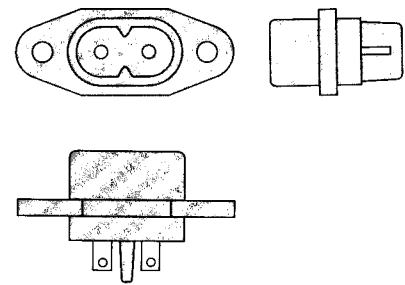
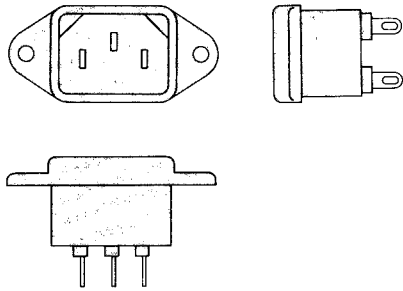
This model is equipped with an AC INLET SYSTEM. Please refer to the AC INLET SYSTEM CHART below for the specific type. By the AC INLET SYSTEM, AC (mains) cord can be connected to and disconnected from the model because the model is provided with socket exclusively for AC (mains) cord on its main body.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

AC INLET SYSTEM CHART

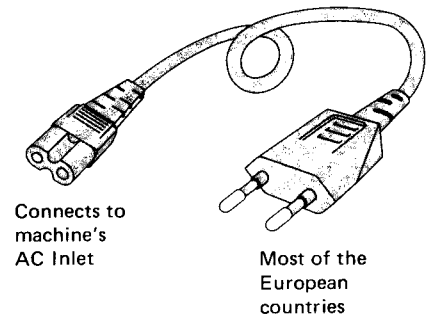
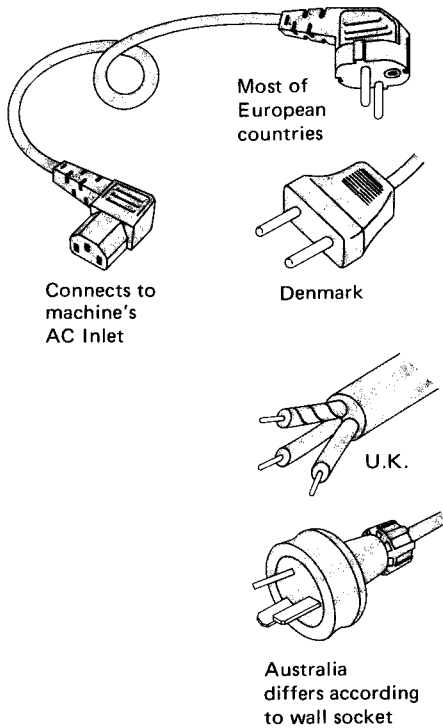
CLASS I

CLASS II

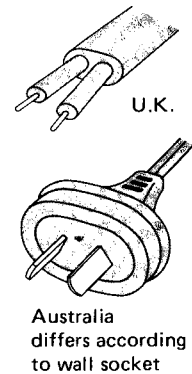
☐ This mark indicating double insulation will be attached to machine's rear panel



Picture 1
AC INLET
to be
installed
on machines



Picture 2
AC (mains)
cord



Parts List for AC (mains) Cord Set

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

1. RECOMMENDED SPARE PARTS LEST

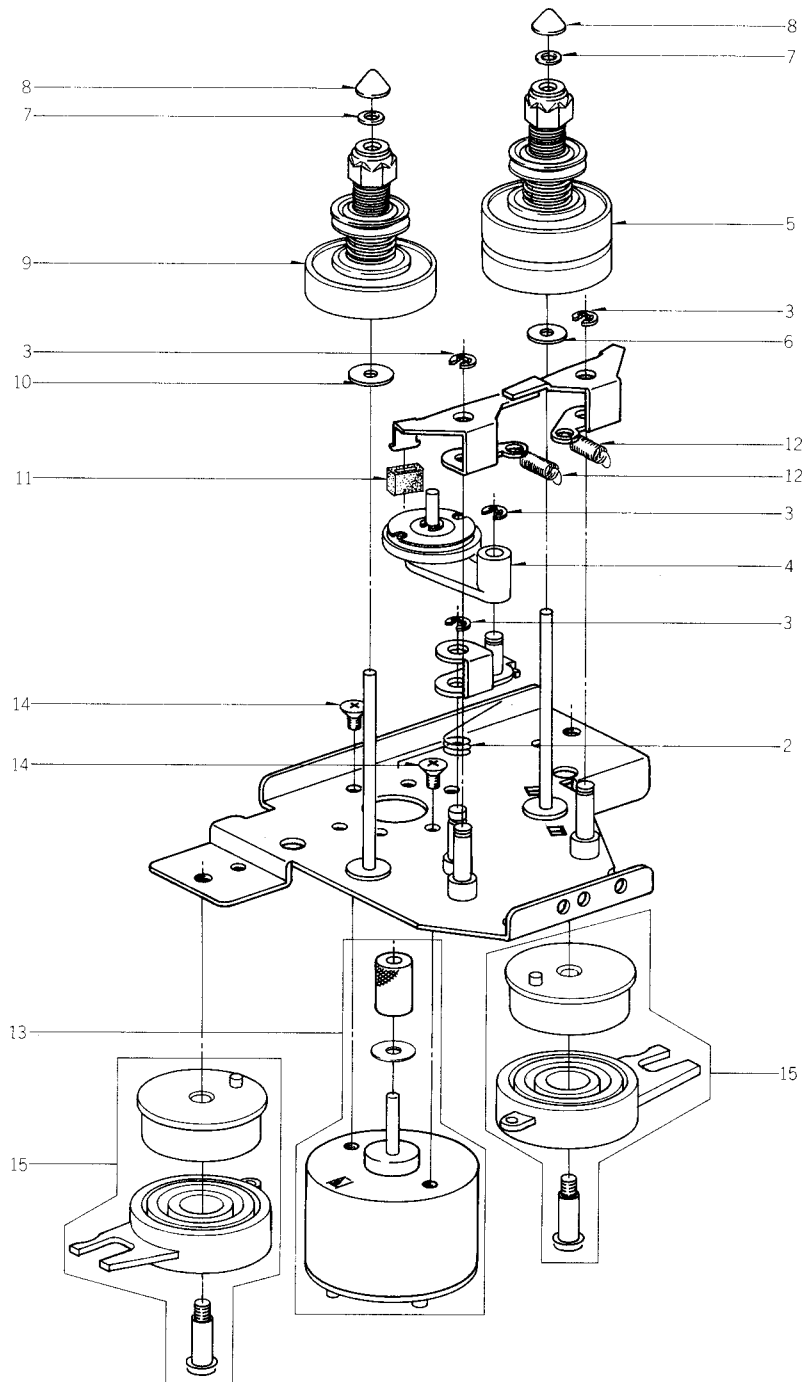
Because, if the parts listed below are on hand, almost any repair can be accomplished, we suggest that you stock these Recommended Spare Parts Items.

| Parts No. | Description | Notes |
|-----------|--------------------------------------|-------|
| BA329383 | Power Supply PC (A) BLK GX-F35 (U/T) | |
| BA329384 | Power Supply PC (B) BLK GX-F35 (JPN) | |
| BA329390 | Pre Amp PC BLK GX-F35 (U/T) | |
| BA329359 | Syscon PC BLK GX-F35 | |
| BH329370 | Head BLK GX-F35 | |
| BK328417 | SW Operation GX-F35 7P L | |
| BK328528 | SW Operation GX-F35-BL 7P L | |
| BL328427 | Take-Up Idler ASSY | |
| BL328426 | Wind Idler ASSY | |
| BM329353 | Main Motor BLK W/Pulley GX-F35 | |
| BM329350 | Reel Motor W/Pulley GX-F35 | |
| BR328517 | Reel Table Part GX-F35 | |
| BR328425 | Supply Reel Table ASSY | |
| BR328424 | Take-Up Reel Table ASSY | |
| BT328401 | △ Trans Power CLT-1 | U/T |
| BT328402 | △ Trans Power CLT-2 | JPN |
| BZ329366 | Damper (A) ASSY GX-F35 | |
| BZ329351 | Damper (B) ASSY GX-F35 | |
| ED308953 | D Germa H 1K34A-LH SNP | |
| ED562397 | D Germa H 1S188FM1 | |
| ED318408 | D LED GL-9NG2 GRN | |
| ED317594 | D Silicon H 1S2473HL F12 | |
| ED316143 | D Silicon H 1S2473HS F10 | |
| ED308945 | D Silicon SVB10-100 100/0.1A | |
| ED309357 | D Silicon SVB15-100 100/1.5A | |
| ED200468 | D Silicon V DS448 VB3 | |
| ED560913 | D Silicon V 1S2473VE | |
| ED306109 | D Silicon W03B 100/1.0A | |
| ED624903 | D Silicon 1S2473 | |
| ED328486 | D Zener H HZ15 3 | |
| ED313846 | D Zener H HZ16 3 | |
| ED329449 | D Zener H HZ18 3 | |
| ED329058 | D Zener H HZ5 C1 | |
| ED319167 | D Zener H HZ6 C3 | |
| ED201581 | D Zener H HZ7 B1 | |
| ED321180 | D Zener H HZ9 B2 | |
| ED200969 | D Zener H RD3.0E B2 | |
| ED200967 | D Zener H RD5.6E B2 | |
| ED328482 | D Zener H 05Z10 L | |
| ED328481 | D Zener H 05Z20 L | |

| Parts No. | Description | Notes |
|-----------|---------------------------------|-------|
| ED328422 | Ind LE SL-1271 Character | |
| EF306949 | △ Fuse TSC A Type 250V 1.25A | |
| EF311839 | △ Fuse TSC A Type 250V 1.60A | |
| EF309389 | △ Fuse TSC A 250V 0.40A | |
| EI328411 | IC LA3161 | |
| EI306141 | IC LA4170 | |
| EI328409 | IC LC7555 | |
| EI328407 | IC LM6405A-012 | |
| EI605013 | IC NE545B | |
| EI213390 | IC NJM4558D | |
| EI329411 | Photo Sensor NJL514E-B (A) (B) | |
| EJ324276 | DIN J TCS4680-01-111 P8P | |
| EL200096 | PL Lead 3.5V 100MA | |
| EM315859 | IND FL FIP48CW16YS Graph | |
| EO328485 | Coil OSC 1 2325-067 100.0KC | |
| EO315758 | Coil TUN1 100S-431 100.00KC | |
| EO321336 | Coil VARI 1 FE002 10.00MH | |
| EO328492 | Coil Fix 1 RC875-152J 1.50MHJ | |
| EP328419 | Plunger 1240PLT (TDS-12SB-104) | |
| EP328420 | Plunger 1240PLT (TDS-12SB-105) | |
| EP328529 | Relay LAB2NS DC12V | |
| ER328520 | △ R Fuse ERD2FC 1/4W 1000G | |
| ER200972 | △ R Fuse ERD2FC 1/4W 330J | |
| ER325381 | △ R Fuse FR25SJ 1/4W 2R2J | |
| ER201803 | △ R Fuse FR25SJ 1/4W 680J | |
| ER328490 | Filter Dolby D07-001K 19KC | |
| ER328491 | Filter Dolby D07-003K 100KC | |
| ES315159 | △ SW Push SDG1P 01-1 J | JPN |
| ES310839 | △ SW Push SDG1P-E 01-1 E | U/T |
| ES328430 | SW Leaf BSW-101B 01-1NO | |
| ES321266 | SW Rotary SRZ-W04S 1-10-04S | |
| ES321274 | SW Lever 63349 2-06-03S | |
| ES300099 | SW Push SUF12 2-06-02S | |
| ES328412 | SW Rotary SBU1025N10 2-02-05N | |
| ES328416 | SW Slide SSB02385 2-02-03S | |
| ES283072 | SW Slide SSC22LP 2-02-02N | |
| ES328415 | SW Solenoid SWE018401 18V 04-2S | |
| ES328530 | SW Solenoid SWE018404 18V 04-2N | |
| ES328414 | SW Tact KHC10901 | |
| ET303697 | TR FET 2SK117(GR) | |

| Parts No. | Description | Notes |
|-----------|------------------------------------|-------|
| ET201801 | TR 2SA830 | |
| ET328436 | TR 2SA937 Q.R | |
| ET324134 | TR 2SA984K (E) (F) | |
| ET328438 | TR 2SB808-V F, G | |
| ET375603 | TR 2SC1061 (B) (C) | |
| ET603257 | TR 2SC1312S (G) (H) | |
| ET328435 | TR 2SC2021 R, S | |
| ET311868 | TR 2SC2130 (F) (G) | |
| ET308937 | TR 2SC2130 (G) (H) | |
| ET309353 | TR 2SC2274 (E) (F) | |
| ET563905 | TR 2SC711 (G) (H) | |
| ET638504 | TR 2SC945L PA | |
| ET639437 | TR 2SC945L QA, PA | |
| ET328437 | TR 2SD1012-V F, G | |
| ET307349 | TR 2SD794 (P) (Q) | |
| ET328440 | TR 2SD863-V8 E, F | |
| ET201580 | TR 2SD894 | |
| EV300154 | R S-Fix H VG103TL2 T3P 0.50W 503 | |
| EV322415 | R S-Fix H D8 3P 104 | |
| EV315753 | RS-Fix H D8 3P203 | |
| EV315540 | RS-Fix H D8 3P502 | |
| EV315541 | RS-Fix H D8 3P503 | |
| EV329416 | VR Rotary 16P11 X0R 15A503 15A503 | |
| EV329417 | VR Rotary 16P20X1Y B103 | |
| EW306428 | △ AC Cord 2 Cores KP-205A, VFF UCJ | U/T |
| EW306427 | △ AC Cord 2 Cores KP-211, VFF J | JPN |
| EZ328406 | OSC CE CSB-400A 0.000400MC | |
| HE321585 | Head E HF213151 C | |
| HP319079 | Head REC/PB PR4-7 | |
| MB328324 | Counter Belt | |
| MB328323 | Flywheel Belt | |
| MC328428 | Counter SMP393-10 | |
| MC328429 | Counter (BL) SMP393-09 | |
| MI328514 | Flywheel Part GX-F35 | |
| MP319580 | Pinch Roller Part GX-F90 | |
| MV328322 | Main Case | |
| MZ283140 | △ Socket Selector X-17238 6P | U/T |

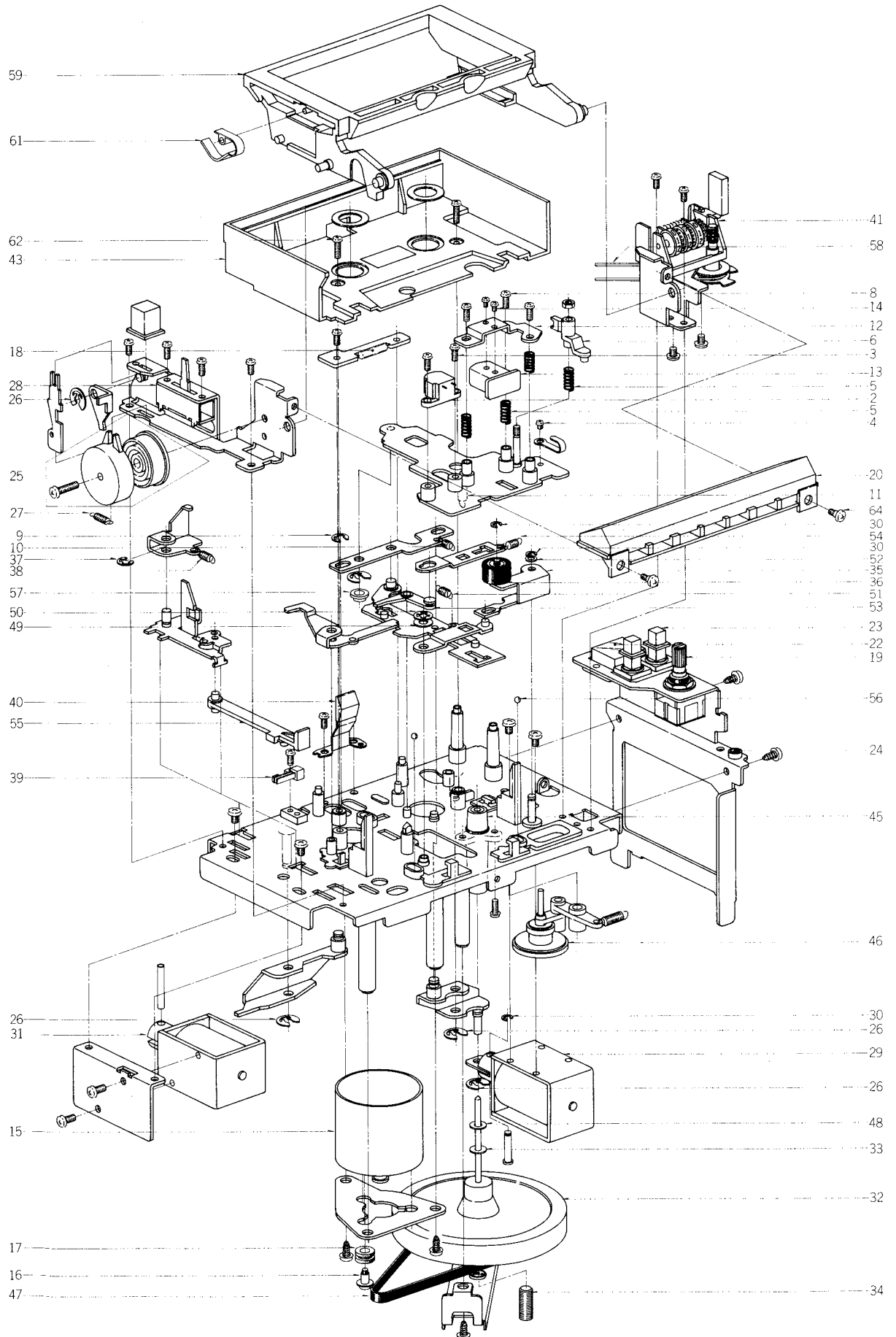
2. REEL TABLE BLOCK



REEL TABLE BLOCK

| Ref. No. | Parts No. | Description | Schematic No. | Ref. No. | Parts No. | Description | Schematic No. |
|----------|-----------|-------------------------|---------------|----------|-----------|----------------------------|---------------|
| 2-1X | BR328517 | Reel Table Part GX-F35 | CL-2001 | 2-10 | ZW201610 | PW19.8×080×025PSL | |
| 2-2 | ZG328361 | Idler Spring | CL-2008 | 2-11 | MB282104 | Brake Rubber | CN-1020 |
| 2-3 | ZW270088 | Ring E 190SUP CMT | 6-1-9 | 2-12 | ZG312945 | SP T1-3.2/0.29-14.0 T1-061 | |
| 2-4 | BL328426 | Wind Idler ASSY | 9-3-70 | 2-13 | BM329350 | Reel Motor BLK | |
| 2-5 | BR328424 | Take-Up Reel Table ASSY | 9-3-68 | 2-14 | ZS430413 | CTS26×04STL CMT | |
| 2-6 | ZW536466 | PW21×070×050NYL | | | | | |
| 2-7 | ZW305546 | PW21×040×025PSL | | | | | |
| 2-8 | MT305793 | Reel Cap | CF-2039 | 2-15 | BZ329351 | Damper (B) ASSY GX-F35 | CL-1043 |
| 2-9 | BR328425 | Supply Reel Table ASSY | 9-3-69 | | | | |

3. MECHA ASSEMBLY BLOCK



MECHA ASSEMBLY BLOCK

| Ref. No. | Parts No. | Description | Schematic No. | Ref. No. | Parts No. | Description | Schematic No. |
|-----------------------------------|-----------|-----------------------------------|---------------|----------------------------------|-----------|---------------------------------|---------------|
| HEAD BLOCK | | | | LID HOUSING ASSY | | | |
| 3-1X | BH329370 | Head BLD GX-F35 | | 3-43 | BZ329374 | LID Housing ASSY GX-F35 | |
| 3-2 | HE321585 | Head E HF213151 C | 37-2-33 | 3-44X | BZ329375 | LID Housing ASSY GX-F35-BL | |
| 3-3 | ZS590804 | PAN23×06STL CMT | | MECHA ASSEMBLY BLOCK | | | |
| 3-4 | ZS303936 | PAN20×02STL CMT | | 3-45 | MV328322 | Main Case | CL-1014 |
| 3-5 | ZG328305 | Angle Spring | CL-0007 | 3-46 | BL328427 | Take-Up Idler Assy | 9-3-71 |
| 3-6 | HZ328307 | Tape Guide | CL-0009 | 3-47 | MB328323 | Flywheel Belt | CL-1016 |
| 3-7 | ZW591265 | N23BRS NI3 3 | | 3-48 | ZW694798 | PW31×070×020TFL | |
| 3-8 | ZS590804 | PAN23×06STL CMT | | 3-49 | ZW259492 | PW31×080×030PBR | |
| 3-9 | ZW270101 | Ring E300SUP CMT312981 | 6-1-9 | 3-50 | ZW329422 | Ring CS0300 | 6-1-18 |
| 3-10 | ZG312946 | SP T1-3.2/0.29-16.0 T1-062 | | 3-51 | ZG328352 | Pinch Roller Spring | CL-1041 |
| 3-11 | ZG312997 | SP T1-4.0/0.4-16.0 | | 3-52 | ZW329448 | PW26×045×013PSL | |
| 3-12 | HZ328036 | Head Fixation Plate | CL-0008 | 3-53 | ML328337 | Coupling Lever | CL-1028 |
| 3-13 | HP319079 | Head REC/PB PR4-7 | | 3-54 | ZG324329 | SP T2-3.2/0.29-11.2 T2-059 | |
| 3-14 | ZS477876 | PAN20×03STL CMT | | 3-55 | TC328344 | Eject Joint | CL-1034 |
| MAIN MOTOR BLOCK | | | | 3-56 | MV368886 | Ball 300STL | |
| 3-15 | BM329353 | Main Motor BLK W/Pulley GX-F35 | | 3-57 | TC328348 | Guide Collar | CL-1037 |
| 3-16 | ZS321338 | Motor Screw | 7-1-75 | 3-58 | MB328324 | Counter Belt | CL-1017 |
| 3-17 | MB282778 | Rubber Bush | CN-7003 | 3-59 | TC328350 | Cassette Holder | CL-1040 |
| LAMP P.C BOARD BLOCK | | | | 3-60X | TC328351 | Cassette Holder (BL) | CL-1040 |
| 3-18 | EL200096 | PL Lead 3.5V 100MA | E28-01-083 | 3-61 | ZG321487 | Mold Spring | CE-6011 |
| MECHA SIDE PLATE (R) BLOCK | | | | 3-62 | ZS329445 | PLX PAN26X08ST NI3 | |
| 3-19 | ES328412 | SW Rotary SBU1025N10 2-02-05N | 25-6-202 | 3-63X | ZS329443 | PLX PAN26X08ST BNI (BL) | |
| 3-20 | BK328417 | SW Operation GX-F35 7P L | 25-5-393 | 3-64 | ZS328347 | OP Fixation Screw | CL-1036 |
| 3-21X | BK328528 | SW Operation GX-F35-BL 7P L | 25-5-406 | PROGRAM P.C BOARD BLOCK | | | |
| PROGRAM P.C BOARD BLOCK | | | | 3-22 | ED328422 | IND LE SL-1271 Character | 59-2-6 |
| 3-22 | ED328422 | IND LE SL-1271 Character | 59-2-6 | 3-23 | ES328414 | SW Tact KHC10901 | 25-9-17 |
| 3-23 | ES328414 | SW Tact KHC10901 | 25-9-17 | DETECTION P.C BOARD BLOCK | | | |
| DETECTION P.C BOARD BLOCK | | | | 3-24 | EI329411 | Photo Sensor NJL514E-B (A)(B) | 45-18-3 |
| 3-24 | EI329411 | Photo Sensor NJL514E-B (A)(B) | 45-18-3 | SW BRACKET BLOCK | | | |
| SW BRACKET BLOCK | | | | 3-25 | BZ329366 | Damper (A) ASSY GX-F35 | CL-1042 |
| 3-25 | BZ329366 | Damper (A) ASSY GX-F35 | CL-1042 | 3-26 | ZW290283 | Ring U285SUP CMT | 6-1-1 |
| 3-26 | ZW290283 | Ring U285SUP CMT | 6-1-1 | 3-27 | ZG329433 | Eject Spring | CL-1045 |
| 3-27 | ZG329433 | Eject Spring | CL-1045 | SLIDE SW BLOCK | | | |
| SLIDE SW BLOCK | | | | 3-28 | ES328416 | SW Slide SSB02385 2-02-03S | 25-3-186 |
| 3-28 | ES328416 | SW Slide SSB02385 2-02-03S | 25-3-186 | R PLUNGER BLOCK | | | |
| R PLUNGER BLOCK | | | | 3-29 | EP328420 | Plunger 1240PLT (TDS-12SB-105) | 44-1-138 |
| 3-29 | EP328420 | Plunger 1240PLT (TDS-12SB-105) | 44-1-138 | 3-30 | ZW270088 | Ring E 190SUP CMT | 6-1-9 |
| 3-30 | ZW270088 | Ring E 190SUP CMT | 6-1-9 | L PLUNGER BLOCK | | | |
| L PLUNGER BLOCK | | | | 3-31 | EP328419 | Plunger 1240PLT(TDS-12SB-104) | 44-1-137 |
| 3-31 | EP328419 | Plunger 1240PLT(TDS-12SB-104) | 44-1-137 | FLYWHEEL ASSY | | | |
| FLYWHEEL ASSY | | | | 3-32 | MI328514 | Flywheel Part GX-F35 | CL-1015 |
| 3-32 | MI328514 | Flywheel Part GX-F35 | CL-1015 | 3-33 | ZW309295 | Thrust Washer | CY-1037 |
| 3-33 | ZW309295 | Thrust Washer | CY-1037 | 3-34 | ZS302318 | Hold Screw | CI-1258 |
| 3-34 | ZS302318 | Hold Screw | CI-1258 | PINCH ROLLER ASSY | | | |
| PINCH ROLLER ASSY | | | | 3-35 | ML328513 | Pinch Roller Arm Part GX-F35 | CL-1029 |
| 3-35 | ML328513 | Pinch Roller Arm Part GX-F35 | CL-1029 | 3-36 | MP319580 | Pinch Roller Part GX-F90 | CU-1056 |
| 3-36 | MP319580 | Pinch Roller Part GX-F90 | CU-1056 | EJECT ASSY | | | |
| EJECT ASSY | | | | 3-37 | ZW270101 | Ring E300SUP CMT312981 | 6-1-9 |
| 3-37 | ZW270101 | Ring E300SUP CMT312981 | 6-1-9 | 3-38 | ZG312943 | SP T1-3.2/0.29-11.2 T1-059 | |
| 3-38 | ZG312943 | SP T1-3.2/0.29-11.2 T1-059 | | LEAF SW ASSY | | | |
| LEAF SW ASSY | | | | 3-39 | ES328430 | SW Leaf BSW-101B 01-1 NO | 25-10-45 |
| 3-39 | ES328430 | SW Leaf BSW-101B 01-1 NO | 25-10-45 | CASSETTE HOLD PLATE ASSY | | | |
| CASSETTE HOLD PLATE ASSY | | | | 3-40 | TC329369 | Cassette Hold Plate ASSY GX-F35 | |
| 3-40 | TC329369 | Cassette Hold Plate ASSY GX-F35 | | COUNTER ASSY | | | |
| COUNTER ASSY | | | | 3-41 | MC328428 | Counter SMP393-10 | 9-1-91 |
| 3-41 | MC328428 | Counter SMP393-10 | 9-1-91 | 3-42X | MC328429 | Counter (BL) SMP393-09 | 9-1-92 |
| 3-42X | MC328429 | Counter (BL) SMP393-09 | 9-1-92 | | | | |

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

4. PRE AMP P.C BOARD (CL-5001A) BLOCK

| Symbol No. | Parts No. | Description | Schematic No. | Symbol No. | Parts No. | Description | Schematic No. |
|-------------|-----------|-------------------------------------|---------------|------------|-----------|--------------------------------|---------------|
| 4-1 | BA329390 | PRE Amp PC BLK GX-F35 (U/T) | | 4-C12 | EC306986 | C STY V F05 500 221K 50DC | 24-11-14 |
| 4-IC1 | EI605013 | IC NE545B | 45-8-117 | 4-C16 | EC308990 | C STY V F05 500 471K 50DC | 24-11-14 |
| 4-IC2 | EI306141 | IC LA4170 | 45-8-305 | 4-C28 | EC313826 | C SA V F05 R10K 25.0DC | 24-19-3 |
| 4-IC3 to 5 | EI213390 | IC NJM4558D | 45-8-191 | 4-C29 | EC313825 | C SA V F05 R33K 25.0DC | 24-19-3 |
| 4-IC6 | EI328411 | IC LA3161 | 45-8-570 | 4-C34 | EC200983 | C STY V F05 500 101K 50DC | 24-11-14 |
| 4-TR1 to 4 | ET603257 | TR 2SC1312S (G) (H) | 45-1-182 | 4-C60 | EC321066 | C SA V F05 R15K 25.0DC | 24-19-3 |
| 4-TR5 | ET303697 | TR FET 2SK117(GR) | 45-12-15 | 4-C63 | EC306438 | C STY V F05 500 101J 50DC | 24-11-14 |
| 4-TR6 | ET639437 | TR 2SC945L (QA) (PA) | 45-1-85 | 4-C64 | EC325380 | C PP V F10 PFH 332J 630DC | 24-22-9 |
| 4-TR7 | ET307349 | TR 2SD794 (P) (Q) | 45-1-334 | 4-C74 | EC316569 | C SA V F05 R22K 25.0DC | 24-19-3 |
| 4-TR9 to 11 | ET639437 | TR 2SC945L (QA) (PA) | 45-1-85 | 4-C82 | EC316569 | C SA V F05 R22K 25.0DC | 24-19-3 |
| 4-TR12 | ET201801 | TR 2SA830 | E45-01-078 | 4-C83 | EC321074 | C STY V F05 CQF09 681K 50DC | 24-11-17 |
| 4-TR13 | ET307349 | TR 2SD794 (P) (Q) | 45-1-334 | 4-C100 | EC305679 | C STY V F05 500 821K 50DC | 24-11-14 |
| 4-TR14, 15 | ET639437 | TR 2SC945L (QA) (PA) | 45-1-85 | 4-C103 | EC328856 | C STY V F05 CQF09 331K 50DC | 24-11-17 |
| 4-TR16, 17 | ET638504 | TR 2SC945L (PA) | 45-1-85 | 4-2 | ZW263946 | RV NYL40 x050 | 2-7-57 |
| 4-TR18 | ET639437 | TR 2SC945L (QA) (PA) | 45-1-85 | | | | |
| 4-TR19 | ET307349 | TR 2SD794 (P) (Q) | 45-1-334 | | | | |
| 4-TR20 | ET639437 | TR 2SC945L (QA) (PA) | 45-1-85 | | | | |
| 4-TR21 | ET307349 | TR 2SD794 (P) (Q) | 45-1-334 | | | | |
| 4-TR22, 23 | ET639437 | TR 2SC945L (QA) (PA) | 45-1-85 | | | | |
| 4-TR24 | ET201580 | TR 2SD894 | E45-04-078 | | | | |
| 4-D1 | ED308953 | D Germa H 1K34A-LH SNP | 45-3-46 | | | | |
| 4-D2 | ED624903 | D Silicon 1S2473 | 45-3-28 | | | | |
| 4-D3,4 | ED562397 | D Germa H 1S188FM1 | 45-3-25 | | | | |
| 4-D5 | ED200967 | D Zener H RD5.6E B2 | 45-6-72 | | | | |
| 4-D6 | ED200969 | D Zener H RD3.0E B2 | 45-6-72 | | | | |
| 4-D7 | ED562397 | D Germa H 1S188FM1 | 45-3-25 | | | | |
| 4-D8, 9 | ED624903 | D Silicon 1S2473 | 45-3-28 | | | | |
| 4-D10 | ED328482 | D Zener H 05Z10 L | 45-6-76 | | | | |
| 4-D11, 12 | ED624903 | D Silicon 1S2473 | 45-3-28 | | | | |
| 4-D13 | ED328486 | D Zener H HZ15 3 | 45-6-80 | | | | |
| 4-D14 | ED624903 | D Silicon 1S2473 | 45-3-28 | | | | |
| 4-D15 | ED562397 | D Germa H 1S188FM1 | 45-3-25 | | | | |
| 4-D16 to 18 | ED560913 | D Silicon V 1S2473VE | 45-3-23 | | | | |
| 4-D19 | ED306109 | D Silicon W03B 100/1.0A | 45-2-78 | | | | |
| 4-D20 | ED321180 | D Zener H HZ9 B2 | 45-6-80 | | | | |
| 4-D21 | ED562397 | D Germa H 1S188FM1 | 45-3-25 | | | | |
| 4-D22 | ED200468 | D Silicon V DS448 VB3 | 45-3-73 | | | | |
| 4-D23 | ED560913 | D Silicon V 1S2473VE | 45-3-23 | | | | |
| 4-D24 | ED201581 | D Zener H HZ7 B1 | 45-6-80 | | | | |
| 4-SW1 | ES283072 | SW Slide SSC22LP 2-02-02N | 25-3-131 | | | | |
| 4-SW2 | ES328530 | SW Solenoid SWE018404 18V 04-2N | 25-9-25 | | | | |
| 4-SW3 | ES328415 | SW Solenoid SWE018401 18V 04-2S | 25-9-18 | | | | |
| 4-SW4 | ES321266 | SW Rotary SRZ-W04S 1-10-04S | 25-6-183 | | | | |
| 4-SW6 | ES300099 | SW Push SUF12 2-06-02S | E25-27-110 | | | | |
| 4-SW7 | ES321274 | SW Lever 63349 2-06-03S | 25-12-65 | | | | |
| 4-SW8 | EP328529 | Relay LAB2NS DC12V | 47-2-30 | | | | |
| 4-VL1 | EO321336 | Coil VARI 1 FE002 10.00MH | 23-1-333 | | | | |
| 4-VR1 | EV315541 | VR S-Fix H D8 3P 503 | 36-10-282 | | | | |
| 4-VR2 | EV315540 | R S-Fix H D8 3P 502 | 36-10-282 | | | | |
| 4-VR3,4 | EV329417 | VR Rotary 16P20x1Y B103 | 36-22-66 | | | | |
| 4-VR5 | EV300154 | R S-Fix H VG103TL2 T3P 0.50W 503 | E36-04-016 | | | | |
| 4-VR6,7 | EV322415 | R S-Fix H D8 3P 104 | 36-10-282 | | | | |
| 4-VR8 | EV315541 | R S-Fix H D8 3P 503 | 36-10-282 | | | | |
| 4-VR9, 10 | EV315753 | R S-Fix H D8 3P 203 | 36-10-282 | | | | |
| 4-L1 | EO328492 | Coil Fix1 RC875-152J 1.50MH J | 23-1-335 | | | | |
| 4-T1 | EO328485 | Coil OSC 1 2325-067 100.0KC | 23-1-426 | | | | |
| 4-FL1 | ER328490 | Filter Dolby D07-001K 19KC | 23-1-425 | | | | |
| 4-FL2 | ER328491 | Filter Dolby D07-003K 100KC | 23-1-425 | | | | |
| 4-FL3 | EO315758 | Coil TUN1 100S-431 100.0KC | 23-1-331 | | | | |
| 4-J1 | EJ321328 | Phone J HLJ0345-010 2x3P | 31-2-110 | | | | |
| 4-J2 | EJ316156 | Phone J 3P HLJ0315-020 6.3 | 31-2-106 | | | | |
| 4-J3 | EJ308986 | Pin J. 1784P1782 P 4P (U) | 31-5-145 | | | | |
| 4-J3 | EJ308985 | Jack Plate DIN, Pin Jack 4P(J) | 31-5-144 | | | | |
| 4-FR1 | ER328520 | △ R Fuse ERD2FC 1/4W 1000G | 35-14-31 | | | | |
| 4-FR2 | ER201803 | △ R Fuse FR25SJ 1/4W 680J | 35-14-23 | | | | |
| 4-FR3 | ER325381 | △ R Fuse FR25SJ 1/4W 2R2J | 35-14-23 | | | | |
| 4-R66 | ER328433 | COMP R 01-0076 | 35-11-40 | | | | |
| 4-R67 | ER328431 | COMP R 01-0073 | 35-11-39 | | | | |

5. POWER SUPPLY (A) P.C BOARD (CL-5003/5004) BLOCK

| Symbol No. | Parts No. | Description | Schematic No. |
|--------------|-----------|---|---------------|
| 5-1 | BA329383 | Power Supply PC (A) BLK GX-F35 (U/T) | |
| 5-2 | BA329384 | Power Supply PC (B) BLK GX-F35 (JPN) | |
| 5-TR1 | ET328437 | TR 2SD1012-V (F) (G) | 45-1-396 |
| 5-TR2 | ET307349 | TR 2SD794 (P) (Q) | 45-1-334 |
| 5-TR3 | ET639437 | TR 2SC945L (QA) (PA) | 45-1-85 |
| 5-TR4 | ET328440 | TR 2SD863-V8 (E) (F) | 45-1-398 |
| 5-TR5 | ET639437 | TR 2SC945L (QA) (PA) | 45-1-85 |
| 5-TR6 | ET375603 | TR 2SC1061 (B) (C) | 45-1-96 |
| 5-TR7,8 | ET639437 | TR 2SC945L (QA) (PA) | 45-1-85 |
| 5-TR9 | ET308937 | TR 2SC2130 (G) (H) | 45-1-317 |
| 5-TR10 | ET324134 | TR 2SA984K (E) (F) | 45-1-378 |
| 5-TR11 | ET309353 | TR 2SC22274 (E) (F) | 45-1-335 |
| 5-TR12 | ET311868 | TR 2SC2130 (F) (G) | 45-1-317 |
| 5-TR13 | ET639437 | TR 2SC945L (QA) (PA) | 45-1-85 |
| 5-TR14 | ET308937 | TR 2SC2130 (G) (H) | 45-1-317 |
| 5-TR15 | ET324134 | TR 2SA984K (E) (F) | 45-1-378 |
| 5-TR16 | ET309353 | TR 2SC22274 (E) (F) | 45-1-335 |
| 5-TR17 | ET311868 | TR 2SC2130 (F) (G) | 45-1-317 |
| 5-TR18, 19 | ET563905 | TR 2SC711 (G) (H) | 45-1-67 |
| 5-TR20 to 22 | ET639437 | TR 2SC945L (QA) (PA) | 45-1-85 |
| 5-TR23 | ET563905 | TR 2SC711 (G) (H) | 45-1-67 |
| 5-TR24, 25 | ET328438 | TR 2SB808-V (F) (G) | 45-1-397 |
| 5-TR16, 17 | ET328437 | TR 2SD1012-V (F) (G) | 45-1-396 |
| 5-D1 | ED308945 | D Silicon SVB 10-100 100/1.0A | 45-2-82 |
| 5-D2 | ED309357 | D Silicon SVB 15-100 100/1.5A | 45-2-83 |
| 5-D3 | ED319167 | D Zener H HZ6 C3 | 45-6-80 |
| 5-D4 | ED329449 | D Zener H HZ18 3 | 45-6-80 |
| 5-D5 | ED560913 | D Silicon V 1S2473VE | 45-3-23 |
| 5-D6 | ED306109 | D Silicon W03B 100/1.0A | 45-2-78 |
| 5-D7 | ED560913 | D Silicon V 1S2473VE | 45-3-23 |
| 5-D9 | ED306109 | D Silicon W03B 100/1.0A | 45-2-78 |
| 5-D11 to 14 | ED560913 | D Silicon V 1S2473VE | 45-3-23 |
| 5-D18, 19 | ED560913 | D Silicon V 1S2473VE | 45-3-23 |
| 5-D20 | ED313846 | D Zener H HZ16 3 | 45-6-80 |
| 5-D21 to 28 | ED560913 | D Silicon V 1S2473VE | 45-3-23 |
| 5-VS1 | MZ283140 | △ Socket Selector X-17238 6P (U) | 40-2-13 |
| 5-SW1 | ES310839 | △ SW Push SDG1P-E 01-1 E (U) | 25-5-310 |
| 5-SW1 | ES315159 | △ SW Push SDG1P 01-1 J (J) | 25-5-330 |
| 5-FR1 | ER200972 | △ R Fuse ERD2FC 1/4W 330J | 35-14-31 |
| 5-R14 | ER328480 | R MOF SNP FS 1W 271J | 35-11-21 |
| 5-R24 | ER328480 | R MOF SNP FS 1W 271J | 35-11-21 |
| 5-C1 | EC320548 | △ C CE V F 103Z 250AC | 24-5-112 |
| 5-C4 | EC315966 | C EC V CUT H 332M.16.0DC | 24-12-46 |
| 5-C10 | EC316230 | C EC V CUT H 222M 35.0DC | 24-12-46 |
| 5-C15 | EC329415 | C EC V F05 NP 04D 100M 100.0DC | 24-17-31 |
| 5-C17 | EC329415 | C EC V F05 NP 04D 100M 100.0DC | 24-17-31 |

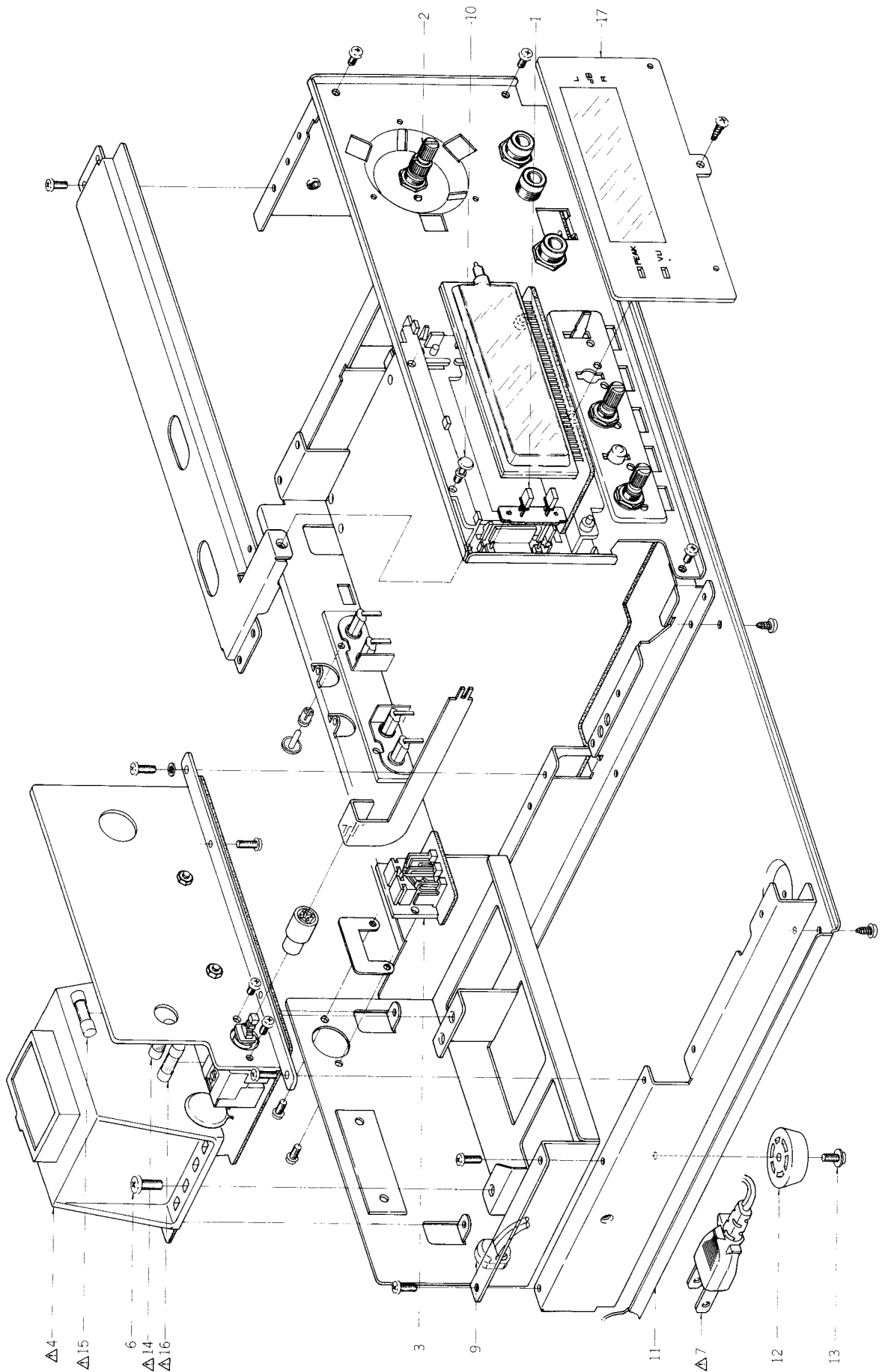
6. SYSTEM CONTROL P.C BOARD (CL-5007A) BLOCK

| Symbol No. | Parts No. | Description | Schematic No. |
|-------------|-----------|------------------------------|---------------|
| 6-1 | BA329359 | Syscon PC BLK GX-F35 | |
| 6-IC1 | EI328407 | IC LM6405A-012 | 45-8-507 |
| 6-TR1 | ET328436 | TR 2SA937 (Q) (R) | 45-1-395 |
| 6-TR2 to 6 | ET328435 | TR 2SC2021 (R) (S) | 45-1-394 |
| 6-TR7 to 12 | ET328436 | TR 2SA937 (Q) (R) | 45-1-395 |
| 6-D1,2 | ED316143 | D Silicon H 1S2473HS F10 | 45-3-53 |
| 6-D3 | ED317594 | D Silicon H 1S2473HL F12 | 45-3-60 |
| 6-D4 | ED560913 | D Silicon V 1S2473VE | 45-3-23 |
| 6-D5 | ED316143 | D Silicon H 1S2473HS F10 | 45-3-53 |
| 6-D6 to 9 | ED560913 | D Silicon V 1S2473VE | 45-3-23 |
| 6-D10 | ED316143 | D Silicon H 1S2473HS F10 | 45-3-53 |
| 6-D11 | ED560913 | D Silicon V 1S473VE | 45-3-23 |
| 6-X1 | EZ328406 | OSC CE CSB400A 0.000400MC | 53-1-207 |

7. BAR METER P.C BOARD (CL-5002) BLOCK

| Symbol No. | Parts No. | Description | Schematic No. |
|------------|-----------|--------------------------|---------------|
| 7-IND1 | EM315859 | IND FL FIP48CW16YS Graph | 53-1-175 |
| 7-IC1 | EI328409 | IC LC7555 | 45-8-508 |
| 7-TR1,2 | ET307349 | TR 2SD794 (P) (Q) | 45-1-334 |
| 7-D1 | ED329058 | D Zener H HZ5 C1 | 45-6-80 |
| 7-D2 | ED328482 | D Zener H 05Z10 L | 45-6-76 |
| 7-D3 | ED328481 | D Zener H 05Z20 L | 45-6-76 |

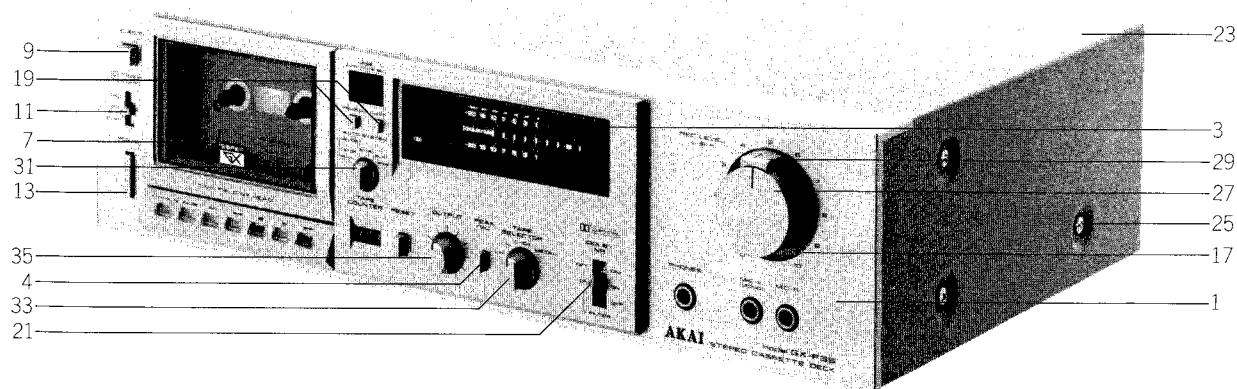
8. ASSEMBLY BLOCK



ASSEMBLY BLOCK

| Ref. No. | Parts No. | Description | Schematic No. |
|-----------------------------------|-----------|---|---------------|
| LED P.C BOARD BLOCK | | | |
| 8-1 | ED318408 | D LED GL-9NG2 GRN | 45-15-35 |
| VR P.C BOARD BLOCK | | | |
| 8-2 | EV329416 | VR Rotary 16P11×OR 15A503 | 36-18-23 |
| REMO. CON. P.C BOARD BLOCK | | | |
| 8-3 | EJ324276 | DIN J TCS4680-01-111 P 8P | 31-5-156 |
| POWER SUPPLY BLOCK | | | |
| 8-4 | BT328401 | △ Trans Power CLT-1 (U) | 38-4-884 |
| 8-5X | BT328402 | △ Trans Power CLT-2 (J) | 38-4-885 |
| 8-6 | ZS314702 | ST BID40×10STL CMT | |
| 8-7 | EW306428 | △ AC Cord 2 Cores KP-205A, VFF UCJ (U) | 26-3-64 |
| 8-8X | EW306427 | △ AC Cord 2 Cores KP-211, VFF J (J) | 26-3-63 |
| 8-9 | EZ631945 | Strain Relief SR-4N-4 | 2-7-49 |
| ASSEMBLY BLOCK | | | |
| 8-10 | ZW698308 | RV NYL30×055 BL | 2-7-54 |
| 8-11 | SP328379 | Bottom Plate | CL-5022 |
| 8-12 | SA306240 | Rubber Foot (B) | LE-6740 |
| 8-13 | ZS313486 | ST PAN30X06STL CMT C | |
| 8-14 | EF306949 | △ Fuse TSC A Type 250V 1.25A (F1) | 39-1-64 |
| 8-15 | EF311839 | △ Fuse TSC A Type 250V 1.60A (F2) | 39-1-64 |
| 8-16 | EF309389 | △ Fuse TSC A 250V 0.40A (F3) | 39-1-64 |
| 8-17 | SZ328382 | Filter | CL-6001 |

9. FINAL ASSEMBLY BLOCK



FINAL ASSEMBLY BLOCK

| Ref. No. | Parts No. | Description | Schematic No. |
|-----------------------------|-----------|--------------------------------|---------------|
| FRONT PANEL BLOCK | | | |
| 9-1 | BD329395 | Front Panel BLK GX-F35(U/T) | |
| 9-2X | BD329397 | Front Panel BLK GX-F35-BL(U/T) | |
| 9-3 | SZ321494 | Meter Window | CE-6018 |
| 9-4 | SB328383 | Button (A) | CL-6003 |
| 9-5X | SB328384 | Button (A-BL) | CL-6003 |
| 9-6X | ZG328385 | Button Spring | CL-6004 |
| 9-7 | BD329402 | LID Panel ASSY GX-F35 | |
| 9-8X | BD329403 | LID Panel ASSY GX-F35-BL | |
| FINAL ASSEMBLY BLOCK | | | |
| 9-9 | SB316316 | Button (B) | CM-6305 |
| 9-10X | SB316317 | Button (B-BL) | CM-6305 |
| 9-11 | SK328391 | Slide Knob | CL-6007 |
| 9-12X | SK328392 | Slide Knob (BL) | CL-6007 |
| 9-13 | SB316498 | Button (B) | CU-6009 |
| 9-14X | SB316499 | Button (B-BL) | CU-6009 |
| 9-15X | SE325784 | Vol. Escutcheon | CY-6066 |
| 9-16X | SE329408 | Vol. Escutcheon (BL) | CY-6066 |
| 9-17 | SZ325776 | Spin Plate | CY-6062 |
| 9-18X | SZ325777 | Spin Plate (BL) | CY-6062 |
| 9-19 | SK328389 | IPSS Knob | CL-6006 |
| 9-20X | SK328390 | IPSS Knob (BL) | CL-6006 |
| 9-21 | SK328387 | Lever Knob | CL-6005 |
| 9-22X | SK328388 | Lever Knob (BL) | CL-6005 |
| 9-23 | SP328471 | Upper Cover (A) | CL-6020 |
| 9-24X | SP328472 | Upper Cover (A-BL) | CL-6020 |
| 9-25 | ZS315878 | XST BID40×08STL NI3 | |
| 9-26X | ZS310588 | XST BID40×08STL BNI | |
| 9-27 | SK325785 | Double Knob (Upper) | CY-6067 |
| 9-28X | SK325786 | Double Knob (Upper-BL) | CY-6067 |
| 9-29 | SK325787 | Double Knob (Lower) | CY-6068 |
| 9-30X | SK325788 | Double Knob (Lower-BL) | CY-6068 |
| 9-31 | SK317523 | Knob (A) | CU-6017 |
| 9-32X | SK317524 | Knob (A-BL) | CU-6017 |
| 9-33 | SK316320 | Knob (B) | CM-6307 |
| 9-34X | SK316321 | Knob (B-BL) | CM-6307 |
| 9-35 | SK315932 | Knob (C) | CM-6308 |
| 9-36X | SK315933 | Knob (C-BL) | CM-6308 |
| 9-37X | SP328467 | Back Board (U-1) | CL-6017 |
| 9-38X | SP329410 | Back Board (J-1) | CL-6017 |
| 9-39X | ZS329427 | T2PAN30×10STL CMT TW | |

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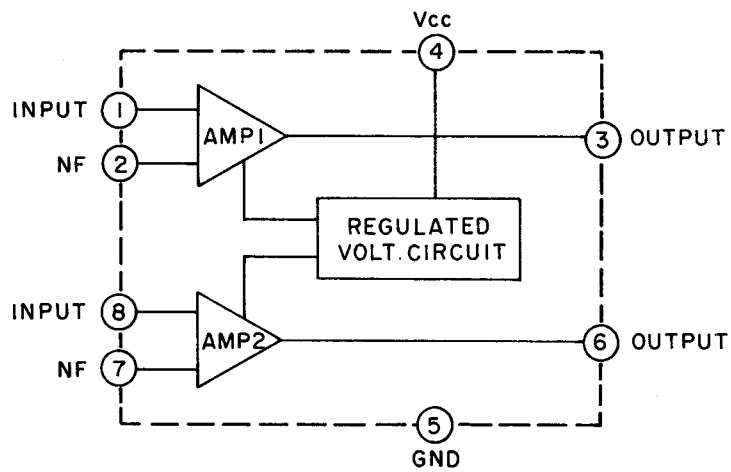
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|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|
| BA329359 | 6-1 | ED328422 | 3-22 | ES300099 | 4-SW6 | EW306428 | 8-7 | ZG312943 | 3-38 |
| BA329383 | 5-1 | ED328481 | 7-D3 | ES310839 | 5-SW1 | EZ328406 | 6-X1 | ZG312945 | 2-12 |
| BA329384 | 5-2 | ED328482 | 4-D10 | ES315159 | 5-SW1 | EZ631945 | 8-9 | ZG312946 | 3-10 |
| BA329390 | 4-1 | ED328482 | 7-D2 | ES321266 | 4-SW4 | HE321585 | 3-2 | ZG312997 | 3-11 |
| BD329395 | 9-1 | ED328486 | 4-D13 | ES321274 | 4-SW7 | HP319079 | 3-13 | ZG321487 | 3-61 |
| BD329397 | 9-2X | ED329058 | 7-D1 | ES328412 | 3-19 | HZ328306 | 3-12 | ZG324329 | 3-54 |
| BD329402 | 9-7 | ED329449 | 5-D4 | ES328414 | 3-23 | HZ328307 | 3-6 | ZG328305 | 3-5 |
| BD329403 | 9-8X | ED560913 | 4-D16 to 18 | ES328415 | 4-SW3 | MB282104 | 2-11 | ZG328352 | 3-51 |
| BH329370 | 3-1X | ED560913 | 4-D23 | ES328416 | 3-28 | MB282778 | 3-17 | ZG328361 | 2-2 |
| BK328417 | 3-20 | ED560913 | 5-D5 | ES328430 | 3-39 | MB328323 | 3-47 | ZG328385 | 9-6X |
| BK328528 | 3-21X | ED560913 | 5-D7 | ES328530 | 4-SW2 | MB328324 | 3-58 | ZG329433 | 3-27 |
| BL328426 | 2-4 | ED560913 | 5-D11 to 14 | ET201580 | 4-TR24 | MC328428 | 3-41 | ZS302318 | 3-34 |
| BL328427 | 3-46 | ED560913 | 5-D18, 19 | ET201801 | 4-TR12 | MC328429 | 3-42X | ZS303936 | 3-10 |
| BM329350 | 2-13 | ED560913 | 5-D21 to 28 | ET303697 | 4-TR5 | MI328514 | 3-32 | ZS310588 | 9-26X |
| BM329353 | 3-15 | ED560913 | 6-D4 | ET307349 | 4-TR7 | ML328337 | 3-53 | ZS313486 | 8-13 |
| BR328424 | 2-5 | ED560913 | 6-D6 to 9 | ET307349 | 4-TR13 | ML328513 | 3-35 | ZS314702 | 8-6 |
| BR328425 | 2-9 | ED560913 | 6-D11 | ET307349 | 4-TR19 | MP319580 | 3-36 | ZS315878 | 9-25 |
| BR328517 | 2-1X | ED562397 | 4-D3, 4 | ET307349 | 4-TR21 | MT305793 | 2-8 | ZS321338 | 3-16 |
| BT328401 | 8-4 | ED562397 | 4-D7 | ET307349 | 5-TR2 | MV328322 | 3-45 | ZS328347 | 3-64 |
| BT328402 | 8-5X | ED562397 | 4-D15 | ET307349 | 7-TR1, 2 | MV368886 | 3-56 | ZS329427 | 9-39X |
| BZ329351 | 2-15 | ED562397 | 4-D21 | ET308937 | 5-TR9 | MZ283140 | 5-VS1 | ZS329443 | 3-63X |
| BZ329366 | 3-25 | ED624903 | 4-D2 | ET308937 | 5-TR14 | SA306240 | 8-12 | ZS329445 | 3-62 |
| BZ329374 | 3-43 | ED624903 | 4-D8, 9 | ET309353 | 5-TR11 | SB316316 | 9-9 | ZS430413 | 2-14 |
| BZ329375 | 3-44X | ED624903 | 4-D11, 12 | ET309353 | 5-TR16 | SB316317 | 9-10X | ZS477876 | 3-14 |
| EC200983 | 4-C34 | ED624903 | 4-D14 | ET311868 | 5-TR12 | SB316498 | 9-13 | ZS590804 | 3-3 |
| EC305679 | 4-C100 | EF306949 | 8-14 | ET311868 | 5-TR17 | SB316499 | 9-14X | ZS590804 | 3-8 |
| EC306438 | 4-C63 | EF309389 | 8-16 | ET324134 | 5-TR10 | SB328383 | 9-4 | ZW201610 | 2-10 |
| EC306986 | 4-C12 | EF311839 | 8-15 | ET324134 | 5-TR15 | SB328384 | 9-5X | ZW259492 | 3-49 |
| EC308990 | 4-C16 | EI213390 | 4-IC3 to 5 | ET328435 | 6-TR2 to 6 | SE325784 | 9-15X | ZW263946 | 4-2 |
| EC313825 | 4-C29 | EI306141 | 4-IC2 | ET328436 | 6-TR1 | SE329408 | 9-16X | ZW270088 | 2-3 |
| EC313826 | 4-C28 | EI328407 | 6-IC1 | ET328436 | 6-TR7 to 12 | SK315932 | 9-35 | ZW270088 | 3-30 |
| EC315966 | 5-C4 | EI328409 | 7-IC1 | ET328437 | 5-TR1 | SK315933 | 9-36X | ZW270101 | 3-9 |
| EC316230 | 5-C10 | EI328411 | 4-IC6 | ET328437 | 5-TR26, 27 | SK316320 | 9-33 | ZW270101 | 3-37 |
| EC316569 | 4-C74 | EI329411 | 3-24 | ET328438 | 5-TR24, 25 | SK316321 | 9-34X | ZW290283 | 3-26 |
| EC316569 | 4-C82 | EI605013 | 4-IC1 | ET328440 | 5-TR4 | SK317523 | 9-31 | ZW305546 | 2-7 |
| EC320548 | 5-C1 | EJ308985 | 4-J3 | ET375603 | 5-TR6 | SK317524 | 9-32X | ZW309295 | 3-33 |
| EC321066 | 4-C60 | EJ308986 | 4-J3 | ET563905 | 5-TR18, 19 | SK325785 | 9-27 | ZW329422 | 3-50 |
| EC321074 | 4-C83 | EJ316156 | 4-J2 | ET563905 | 5-TR23 | SK325786 | 9-28X | ZW329448 | 3-52 |
| EC325380 | 4-C64 | EJ321328 | 4-J1 | ET603257 | 4-TR1 to 4 | SK325787 | 9-29 | ZW536466 | 2-6 |
| EC328856 | 4-C103 | EJ324276 | 8-3 | ET638504 | 4-TR16, 17 | SK325788 | 9-30X | ZW591265 | 3-7 |
| EC329415 | 5-C15 | EL200096 | 3-18 | ET639437 | 4-TR6 | SK328387 | 9-21 | ZW694798 | 3-48 |
| EC329415 | 5-C17 | EM315859 | 7-IND1 | ET639437 | 4-TR9 to 11 | SK328388 | 9-22X | ZW698308 | 8-10 |
| ED200468 | 4-D22 | EO315758 | 4-FL3 | ET639437 | 4-TR14, 15 | SK328389 | 9-19 | | |
| ED200967 | 4-D5 | EO321336 | 4-VL1 | ET639437 | 4-TR18 | SK328390 | 9-20X | | |
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| ED306109 | 5-D6 | EP328420 | 3-29 | ET639437 | 5-TR5 | SP328467 | 9-37X | | |
| ED306109 | 5-D9 | EP328529 | 4-SW8 | ET639437 | 5-TR7, 8 | SP328471 | 9-23 | | |
| ED308945 | 5-D1 | ER200972 | 5-FR1 | ET639437 | 5-TR13 | SP328472 | 9-24X | | |
| ED308953 | 4-D1 | ER201803 | 4-FR2 | ET639437 | 5-TR20 to 22 | SP329410 | 9-38X | | |
| ED309357 | 5-D2 | ER325381 | 4-FR3 | EV300154 | 4-VR5 | SZ321494 | 9-3 | | |
| ED313846 | 5-D20 | ER328431 | 4-R67 | EV315540 | 4-VR2 | SZ325776 | 9-17 | | |
| ED316143 | 6-D1, 2 | ER328433 | 4-R66 | EV315541 | 4-VR1 | SZ325777 | 9-18X | | |
| ED316143 | 6-D5 | ER328480 | 5-R14 | EV315541 | 4-VR8 | SZ328382 | 8-17 | | |
| ED316143 | 6-D10 | ER328480 | 5-R24 | EV315753 | 4-VR9, 10 | TC328344 | 3-55 | | |
| ED317594 | 6-D3 | ER328490 | 4-FL1 | EV322415 | 4-VR6, 7 | TC328348 | 3-57 | | |
| ED318408 | 8-1 | ER328491 | 4-FL2 | EV329416 | 8-2 | TC328350 | 3-59 | | |
| ED319167 | 5-D3 | ER328520 | 4-FR1 | EV329417 | 4-VR3, 4 | TC328351 | 3-60X | | |
| ED321180 | 4-D20 | ES283072 | 4-SW1 | EW306427 | 8-8X | TC329369 | 3-40 | | |

SECTION 3

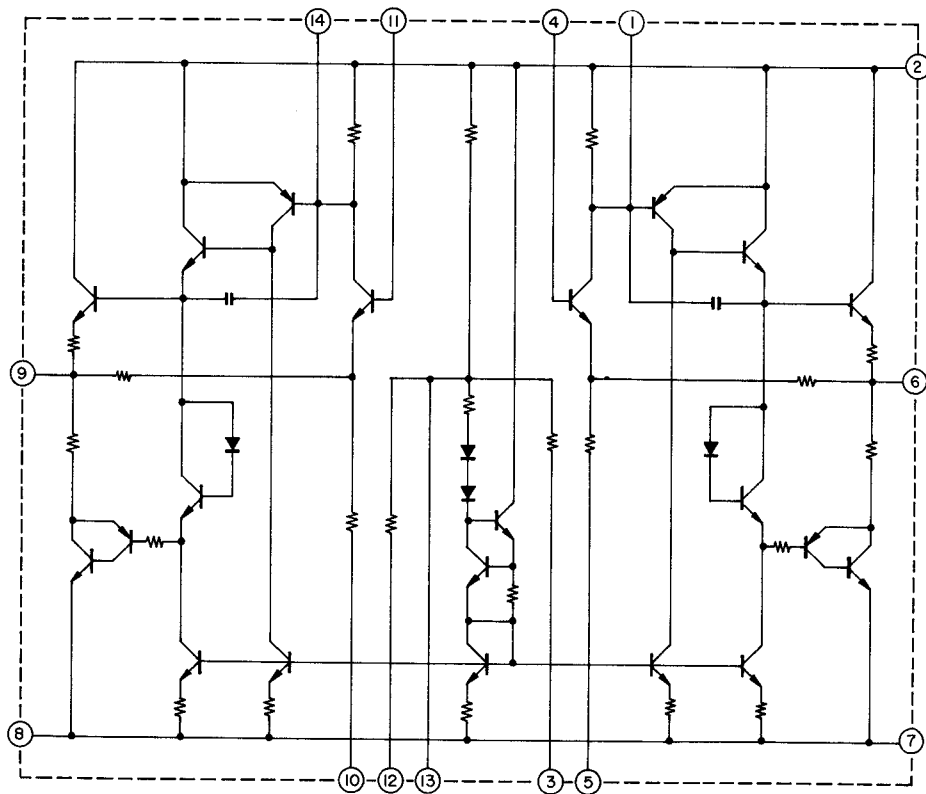
SCHEMATIC DIAGRAM

1. SCHEMATIC DIAGRAM OF ICs
2. GX-F35 No2-1 1602056A AMP SCHEMATIC DIAGRAM
3. GX-F35 No2-2 1202057A POWER & SYS CON SCHEMATIC DIAGRAM

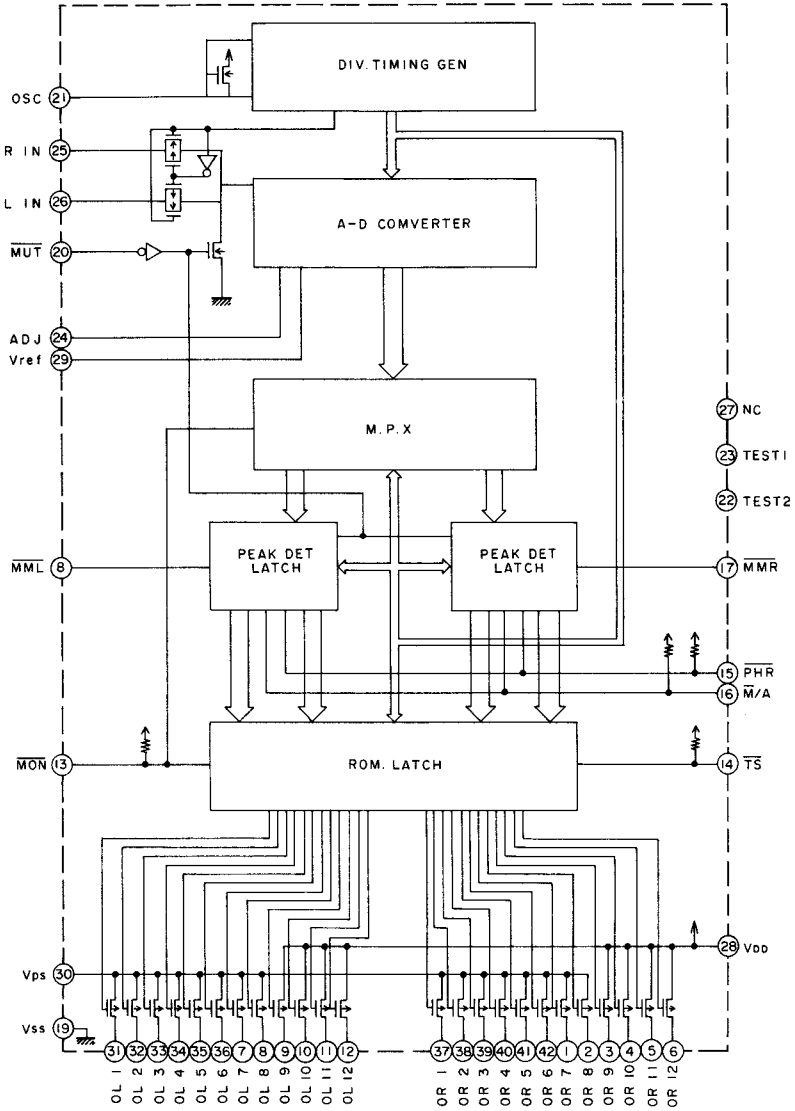
LA3161



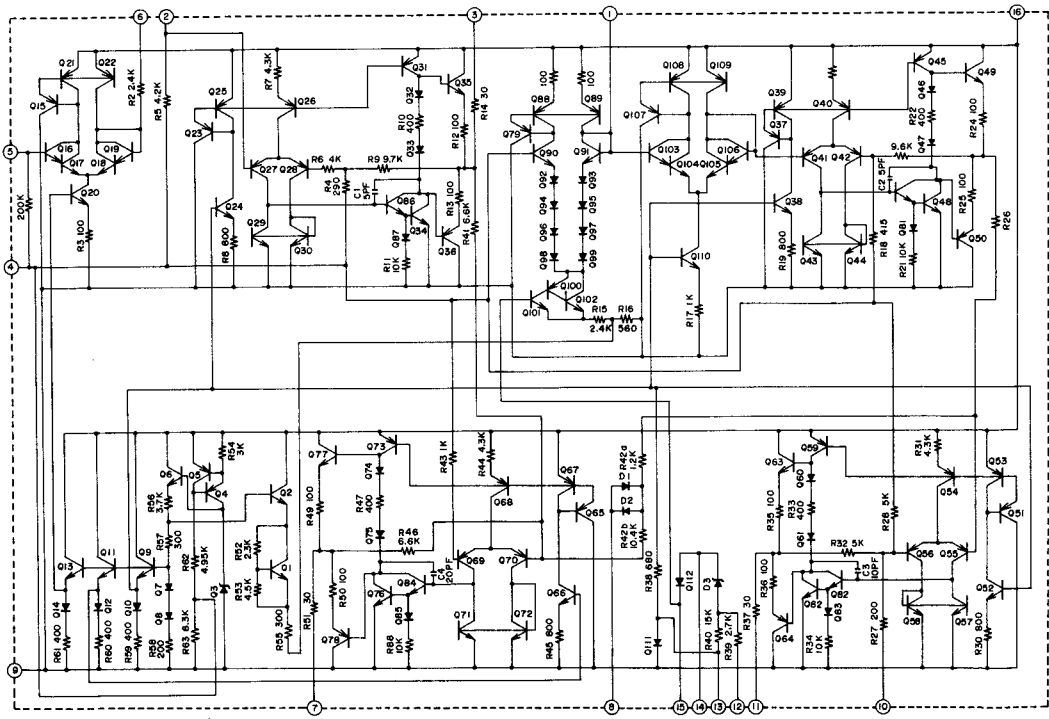
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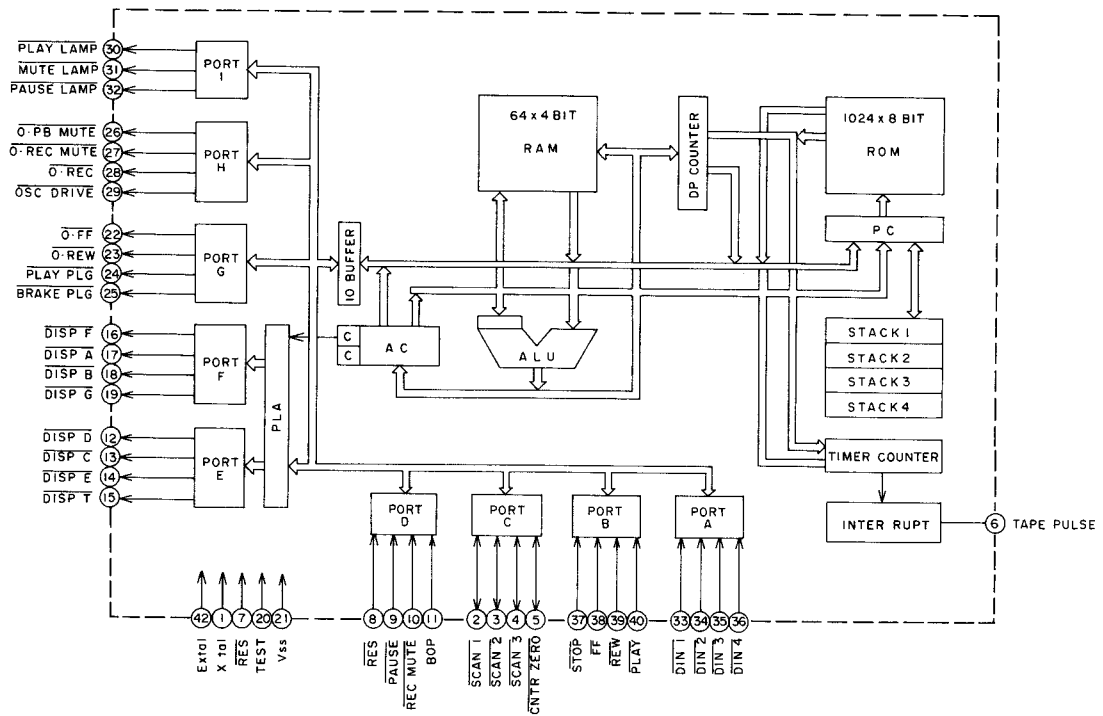
LC7555



NE545B



LM6405A

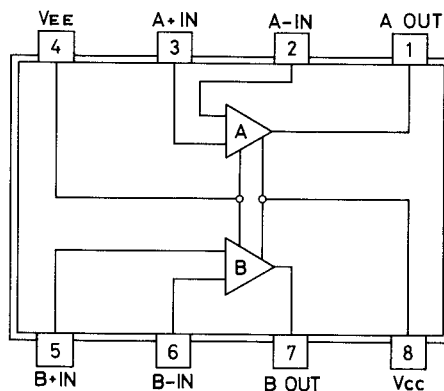


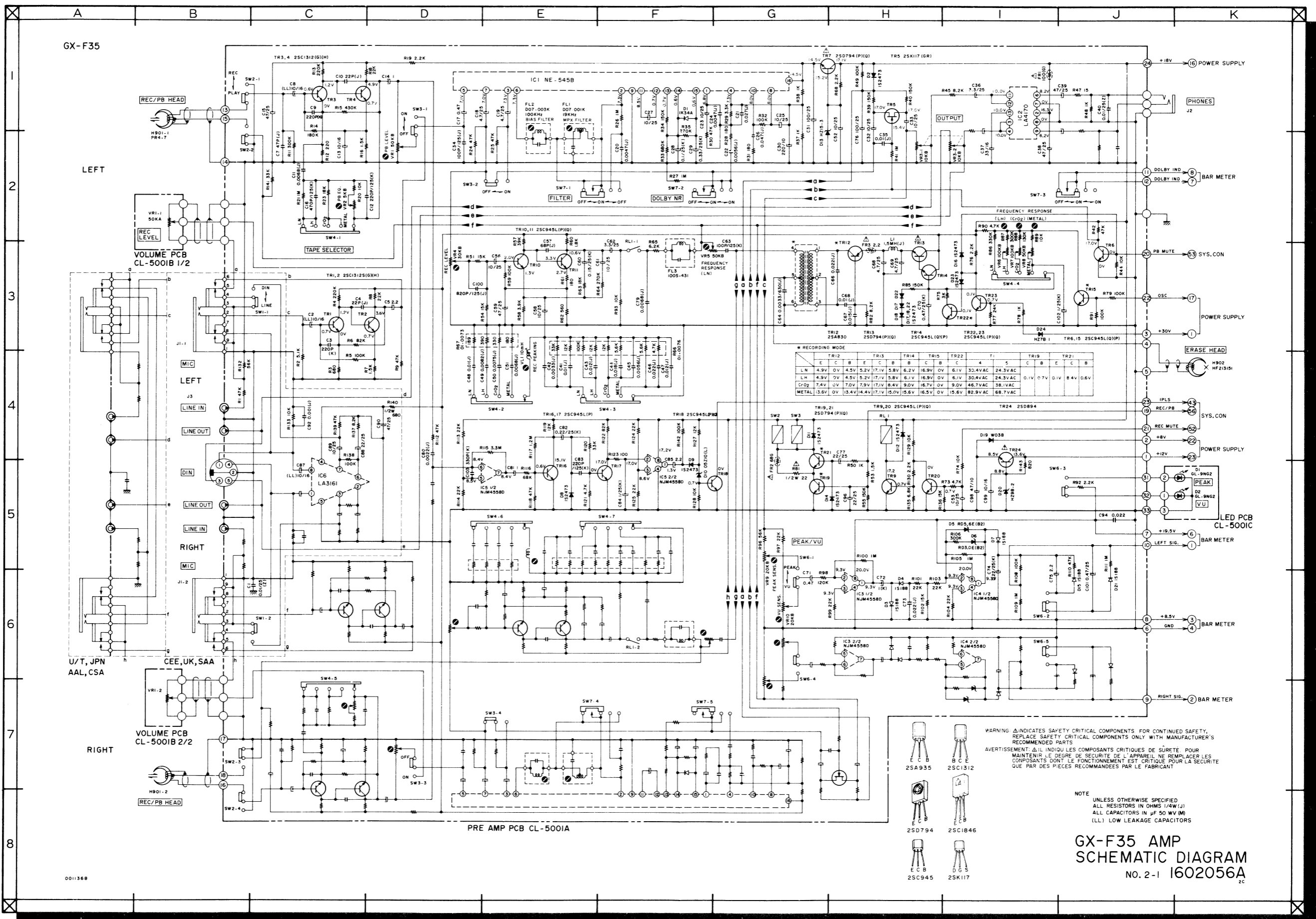
LM6405A's Terminal Function

| CATEGORY | PIN NAME | PIN NO. | FUNCTION |
|--------------------------------------|-------------|---------|---|
| Operation Key Input | STOP | 37 | Stop Key Input Input to stop action |
| | FF | 38 | FF Key Input Input to order fast forward |
| | REW | 39 | REW Key Input Input to order rewind |
| | PLAY | 40 | PLAY Key Input Input to order play back |
| | REC | 8 | REC Key Input Input to order recording, effective along with PAUSE or PLAY |
| | PAUSE | 9 | PAUSE Key Input Input to order momentary stop |
| Mechanical Drive Output | REC MUTE | 10 | REC MUTE Key Input Input to order no-signal recording (auto spacer input) |
| | O.FF | 22 | Signal so that it becomes L at FF Output for reel motor and FF lamp drivers |
| | O. REW | 23 | Signal so that it becomes L at REW Output for reel motor and REW lamp drivers |
| | PLAY PLG | 24 | Signal to make it L at PLAY or PAUSE For plunger which pulls head |
| Amplifier Control Output | BRAKE PLG | 25 | Signal to make it L at FF, REW and PLAY For plunger which releases brake |
| | O. PB MUTE | 26 | Playback mute output |
| | O. REC MUTE | 27 | Recording mute output |
| | O. REC | 28 | Output to change recording |
| Output to drive mode indicator lamps | OSC DRIVE | 29 | Output to drive bias oscillator |
| | PLAY LAMP | 30 | Output to drive PLAY lamp |
| | MUTE LAMP | 31 | Output to drive MUTE lamp |
| | PAUSE LAMP | 32 | Output to drive PAUSE lamp |

| CATEGORY | PIN NAME | PIN NO. | FUNCTION | |
|--|----------------------------------|---------|--|----|
| Output for number of selections skipped by IPLS/ time of REC MUTE | DISP D | 12 | | |
| | DISP C | 13 | | |
| | DISP E | 14 | | |
| | DISP T | 15 | | |
| | DISP F | 16 | | |
| | DISP A | 17 | | |
| | DISP B | 18 | | |
| | DISP G | 19 | | |
| | Auto function IPLS program clear | DIN 1 | | 33 |
| DIN 2 | | 34 | | |
| DIN 3 | | 35 | | |
| DIN 4 | | 36 | | |
| Others | SCAN 1 | 2 | Key scan output | |
| | SCAN 2 | 3 | | |
| | SCAN 3 | 4 | | |
| Others | CNTR ZERO | 5 | Counter 0 input signal | |
| | TAPE PULSE | 6 | Tape travel pulse input signal | |
| | BOP | 11 | Signal input between selections for IPLS | |
| Terminal for oscillator circuit | E X'tal | 42 | Occurrence of standard signal for inside action | |
| | X'tal | 1 | | |
| Test terminal | TEST | 20 | Input to inside circuit (When used generally at 0 V) | |
| Power Supply | VDD | 41 | + 5 V | |
| | VSS | 21 | 0 V | |

NJM4558D

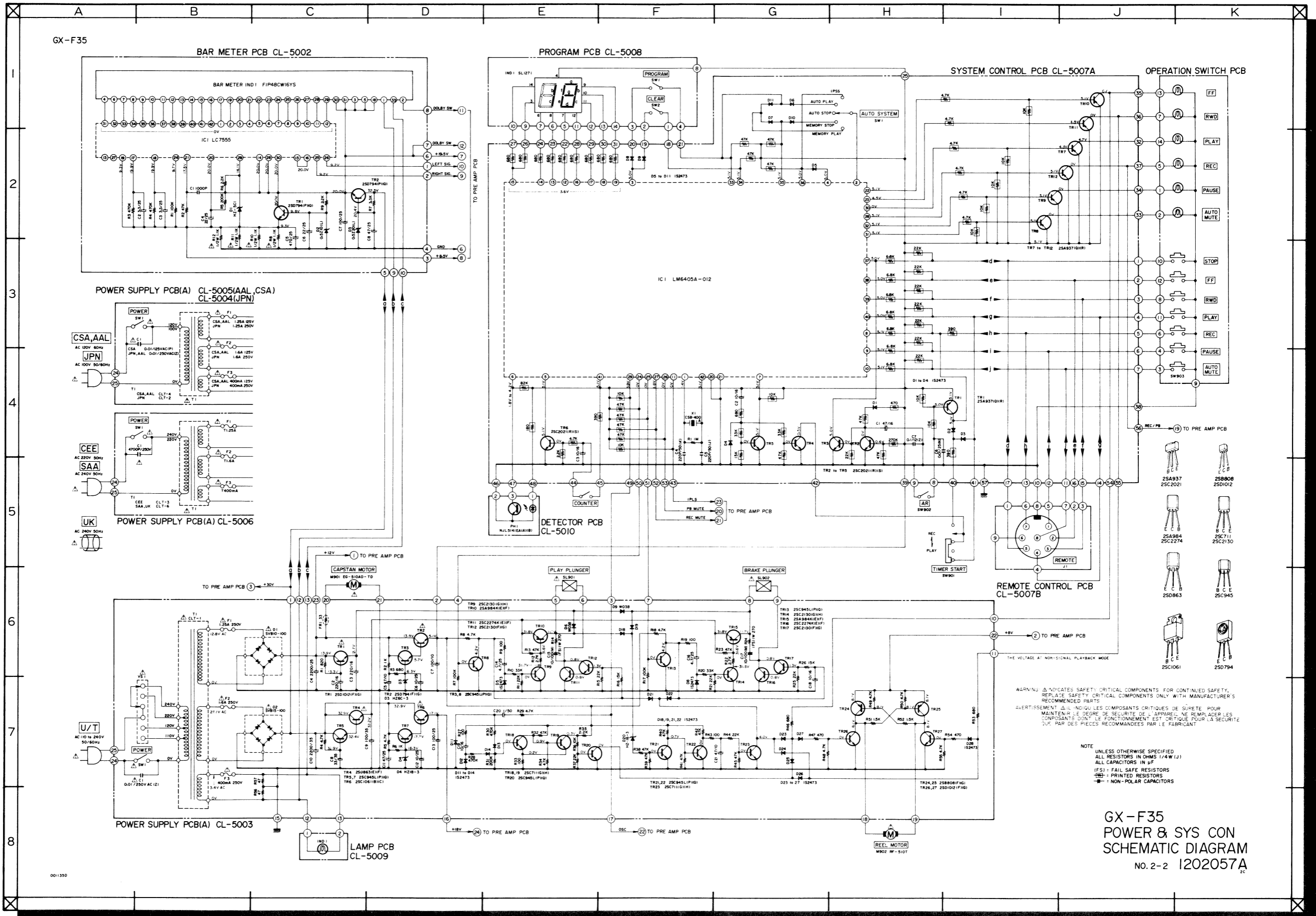




WARNING: Δ INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.
 AVERTISSEMENT: Δ IL INDIQUE LES COMPOSANTS CRITIQUES DE SÛRETÉ. POUR MAINTENIR LE DEGRÉ DE SÛRETÉ DE L'APPAREIL, NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT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

NOTE: UNLESS OTHERWISE SPECIFIED ALL RESISTORS IN OHMS (1/4W/1) ALL CAPACITORS IN μF 50 WV(M) (LL) LOW LEAKAGE CAPACITORS

**GX-F35 AMP
 SCHEMATIC DIAGRAM
 NO. 2-1 1602056A**



WARNING: INDICATES SAFETY CRITICAL COMPONENTS FOR CONTINUED SAFETY. REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.
 AVERTISSEMENT: IL INDIQUE LES COMPOSANTS CRITIQUES DE SÛRETÉ POUR MAINTENIR LE DEGRÉ DE SÛRETÉ DE L'APPAREIL. NE REMPLACEZ LES COMPOSANTS DON'T LE FONCTIONNEMENT EST CRITIQUE POUR LA SÛRETÉ QU'PAR DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

NOTE
 UNLESS OTHERWISE SPECIFIED
 ALL RESISTORS IN OHMS (1/4W 1%)
 ALL CAPACITORS IN µF
 (FS) = FAIL SAFE RESISTORS
 (P) = PRINTED RESISTORS
 (N) = NON-POLAR CAPACITORS

GX-F35
 POWER & SYS CON
 SCHEMATIC DIAGRAM
 NO. 2-2 1202057A