

# SERVICE MANUAL

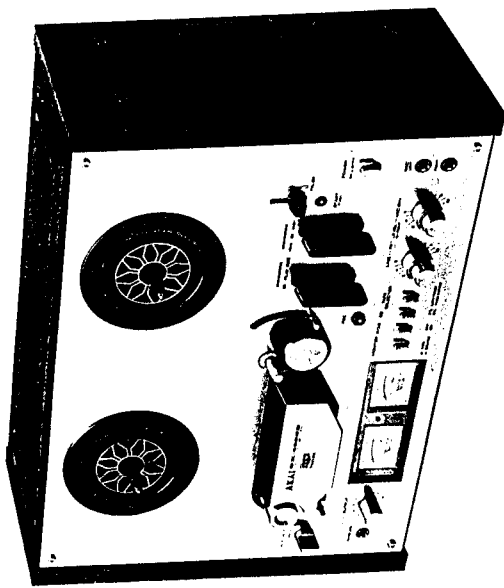
## PARTS LIST

GX-4000D/DB

**MODEL GX-4000D/DB**

**AKAI**

ALSO APPLICABLE TO BLACK PANEL MODEL



AKAI STEREO TAPE DECK

MODEL **GX-4000D/DB**

ALSO APPLICABLE TO BLACK PANEL MODEL

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SECTION 1

# SERVICE MANUAL

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

# I. TECHNICAL DATA

## 1. MODEL GX-4000D

TRACK SYSTEM	4 track, 2 channel stereo/monaural system
REEL CAPACITY	Up to 7" reel
TAPE SPEED	7-1/2 and 3-3/4 ips
WOW & FLUTTER	Less than 0.08% WRMS
FREQUENCY RESPONSE	30 to 24,000 Hz $\pm 3$ dB at 7-1/2 ips 30 to 16,000 Hz $\pm 3$ dB at 3-3/4 ips
DISTORTION (1,000 Hz "0" VU)	Less than 1.0% at 7-1/2 ips
SIGNAL TO NOISE RATIO	Better than 60 dB (measured via tape with peak recording level)
ERASE RATIO	Better than 70 dB
BIAS FREQUENCY	100 kHz
HEADS	(3): One GX Recording head, one GX Playback head, one Erase head
MOTOR	(1): 4-pole induction motor
FF & REWIND TIME	200 sec using 1.200 ft. tape
OUTPUT JACKS	Line (2): 0.775V ("0" VU) Required load impedance: more than 50 kohms Phone (1): 100 mV/8 ohms Microphone (2): 0.25 mV Required microphone impedance: 600 ohms
INPUT JACKS	Line (2): 70 mV Required microphone impedance: 600 ohms
DIN JACK	Input: 2 mV/10 kohms, Output: 0.3V
SEMICONDUCTORS	Transistors: 24, Diodes: 13, FETs: 2, IC: 1
DIMENSIONS	440(W) x 315(H) x 230(D) mm (17.3 x 12.4 x 9.1")
WEIGHT	13.2 kg (29.1 lbs)
POWER REQUIREMENTS	100V, 50/60 Hz for Japan 120V, 60 Hz for Canada & U.S.A. 220/240V, 50 Hz for European Countries & Australia 110/120/220/240V (Switchable), 50/60 Hz for the other Countries

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

## 2. MODEL GX-4000DB

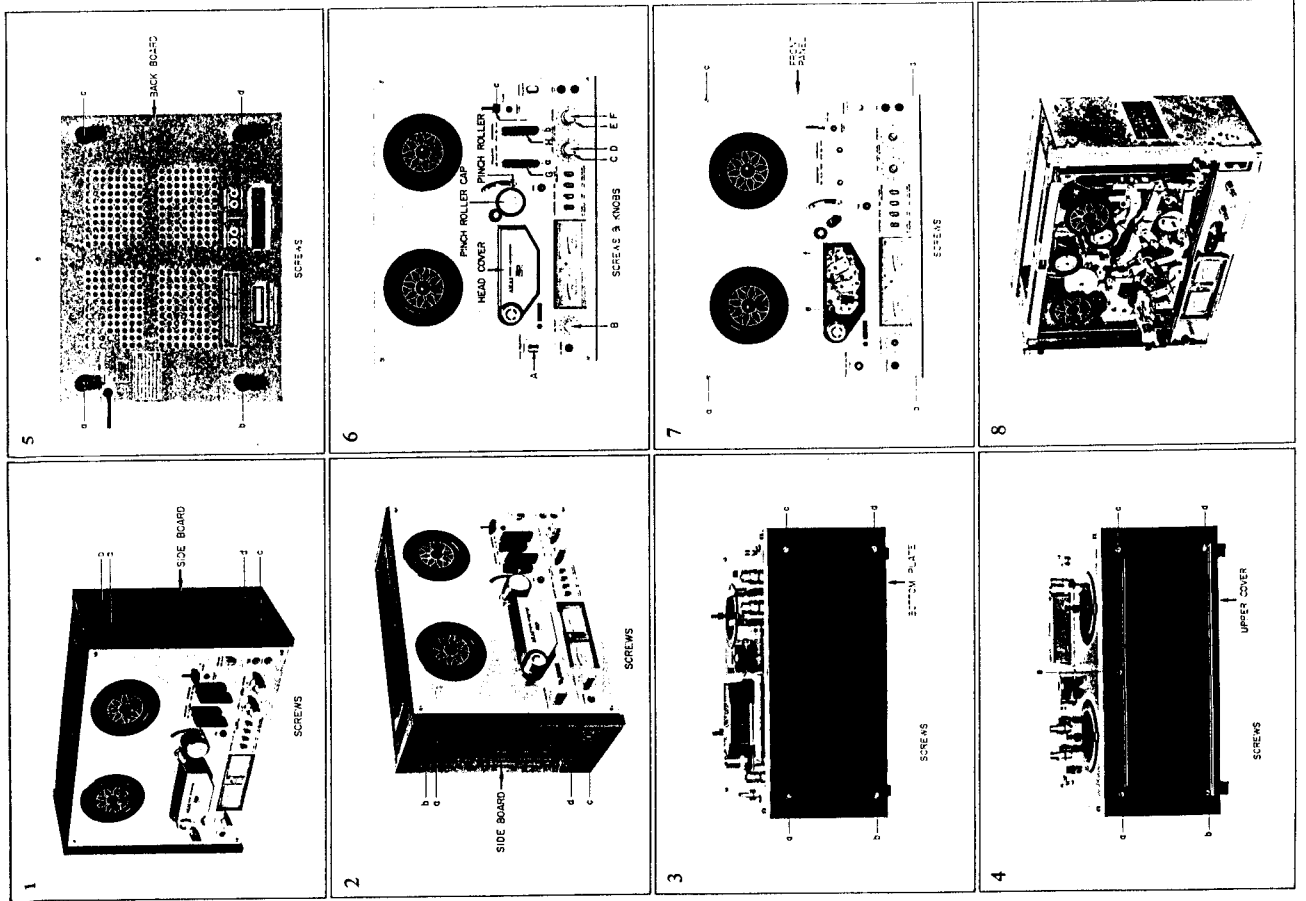
TRACK SYSTEM	4 track, 2 channel stereo/monaural system
REEL CAPACITY	Up to 7" reel
TAPE SPEED	7-1/2 and 3-3/4 ips
WOW & FLUTTER	Less than 0.08% WRMS
FREQUENCY RESPONSE	30 to 24,000 Hz $\pm 3$ dB at 7-1/2 ips 30 to 16,000 Hz $\pm 3$ dB at 3-3/4 ips
DISTORTION (1,000 Hz "0" VU)	Less than 1.0% at 7-1/2 ips
SIGNAL TO NOISE RATIO	Better than 60 dB (measured via tape with peak recording level) Dolby Switch ON: Improves up to 10 dB above 5 kHz
ERASE RATIO	Better than 70 dB
BIAS FREQUENCY	100 kHz
HEADS	(3): One GX Recording head, one GX Playback head, one Erase head
MOTOR	(1): 4-pole induction motor
FF & REWIND TIME	200 sec using 1.200 ft. tape
OUTPUT JACKS	Line (2): 580 mV ("0" VU) Required load impedance: more than 100 kohms Phone (1): 100 mV/8 ohms Microphone (2): 0.25 mV Required microphone impedance: 600 ohms
INPUT JACKS	Line (2): 70 mV Input: 2 mV/10 kohms Output: 0.3V
DIN JACKS	Transistors: 21, Diodes: 21, FETs: 2, ICs: 5
SEMICONDUCTORS	440(W) x 315(H) x 230(D) mm
DIMENSION	(17.3 x 12.4 x 9.1")
WEIGHT	13.2 kg (29.1 lbs)
POWER REQUIREMENT	120V, 60 Hz for Canada & U.S.A. 220/240V, 50 Hz for European Countries & Australia 110/120/220/240V (Switchable), 50/60 Hz for the other Countries

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

• "Dolby" and the Double D symbol are trademarks of Dolby Laboratories.  
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## 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

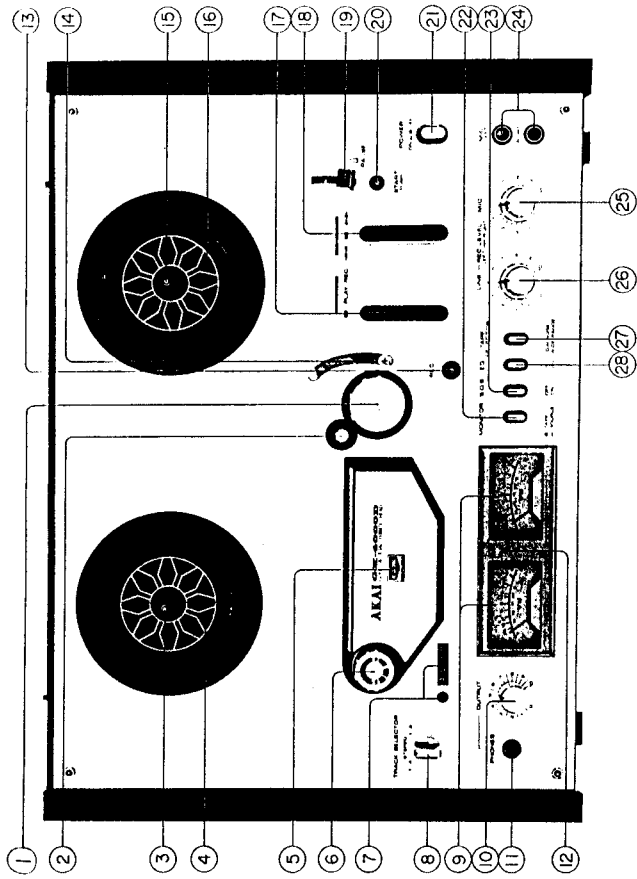
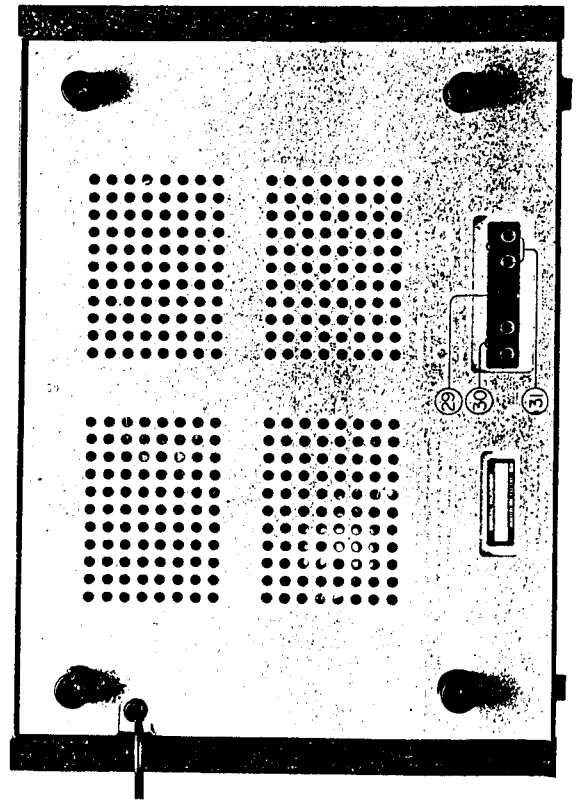


Fig. 1 Controls

- |                                 |   |
|---------------------------------|---|
| 1. PINCH ROLLER                 | 18. FAST FORWARD/REWIND LEVER                   |
| 2. CAPSTAN                      | 19. PAUSE LEVER                                 |
| 3. REEL RETAINER (Left)         | 20. START BUTTON                                |
| 4. SUPPLY REEL TABLE            | 21. POWER                                       |
| 5. HEAD COVER                   | 22. MONITOR SELECTOR SWITCH (Tape & Source)     |
| 6. TAPE GUIDE                   | 23. S.O.S. (Sound-On-Sound) BUTTON              |
| 7. INDEX COUNTER & RESET BUTTON | 24. MICROPHONE JACKS (Left & Right)             |
| 8. TRACK SELECTOR               | 25. MICROPHONE RECORDING LEVEL CONTROLS         |
| 9. VU METERS (Left & Right)     | 26. LINE RECORDING LEVEL CONTROLS               |
| 10. OUTPUT VOLUME               | 27. TAPE SELECTOR SWITCH                        |
| 11. HEADPHONE JACK              | 28. EQUALIZER SWITCH                            |
| 12. RECORDING INDICATOR LAMP    | 29. DIN JACK                                    |
| 13. RECORDING SAFETY BUTTON     | 30. LINE OUTPUT JACKS (Left & Right)            |
| 14. AUTOMATIC STOP LEVER        | 31. LINE INPUT JACKS (Left & Right)             |
| 15. REEL RETAINER (Right)       | 32. DOLBY N.R. INDICATOR LAMP                   |
| 16. TAKE-UP REEL TABLE          | 33. S.O.S. SWITCH/LINE RECORDING LEVEL CONTROLS |
| 17. RECORDING/PLAYBACK LEVER    | 34. DOLBY N.R. SWITCH                           |



## IV. PRINCIPAL PARTS LOCATION

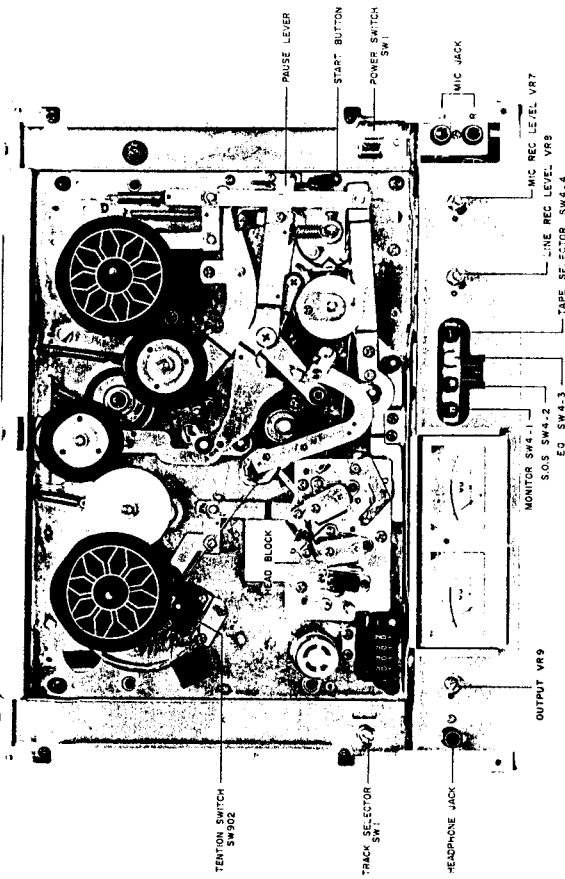


Fig. 2 Front View (GX-4000D)

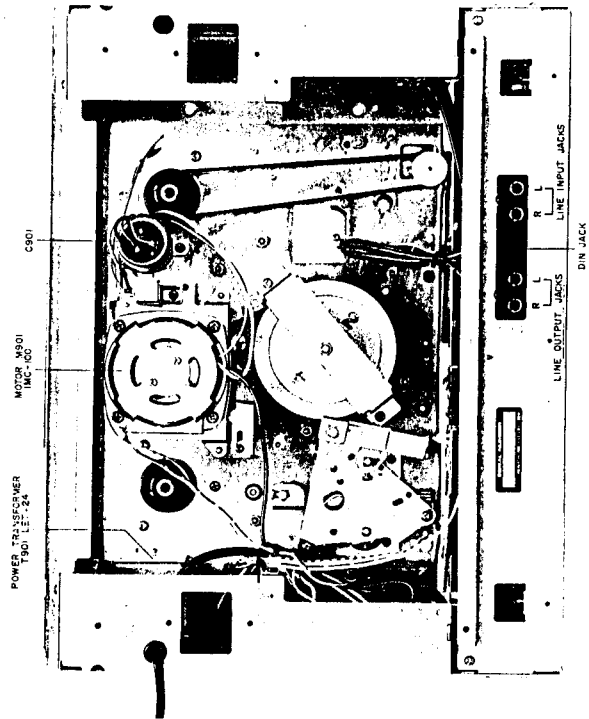


Fig. 3 Rear View (GX-4000D)

## V. MECHANISM ADJUSTMENT

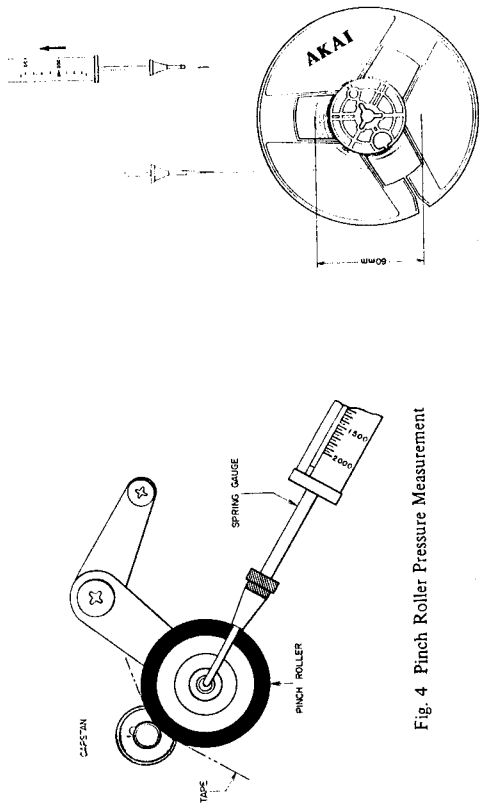


Fig. 5

### 1. PINCH ROLLER PRESSURE MEASUREMENT (Refer to Fig. 4)

Set the recorder in the PLAY Mode. Pull the pinch roller 1~2 mm away from the capstan with the spring gauge as shown in Fig. 4. Slowly release and take the spring gauge reading when the pinch roller touches the capstan and begins to rotate. The specified pinch roller pressure is 1150~1200g. (Tape speed: 7-1/2 ips)

### 2. REEL TABLE BLOCK ADJUSTMENT (Refer to Figs. 5, 6)

\* Necessary points when measuring the tension  
Wind the tape onto a 5" empty reel until there is a diameter of 60 mm of tape. (See Fig. 5). Make the end of the tape into a loop and put onto the spring gauge.

#### A. SUPPLY REEL TABLE BLOCK ADJUSTMENT

##### 1) RWD Tension Adjustment

A spring gauge reading of 400~500g in the RWD Mode.

To adjust, increase or decrease the number of (1) washers.

##### 2) PLAY Mode Back Tension Adjustment

A spring gauge reading of 100~120g in the PLAY Mode.

To adjust, increase or decrease the number of (2) washers.

##### 3) FF Free Tension Adjustment

A spring gauge reading of 15~20g in the FF Mode.

To adjust, move the position of pulley (3) backwards and forwards.

#### B. TAKE-UP REEL TABLE BLOCK ADJUSTMENT

##### 1) FF Tension Adjustment

A spring gauge reading of 400~500g in the FF Mode.

To adjust, increase or decrease the number of (1) washers.

##### 2) PLAY Tension Adjustment

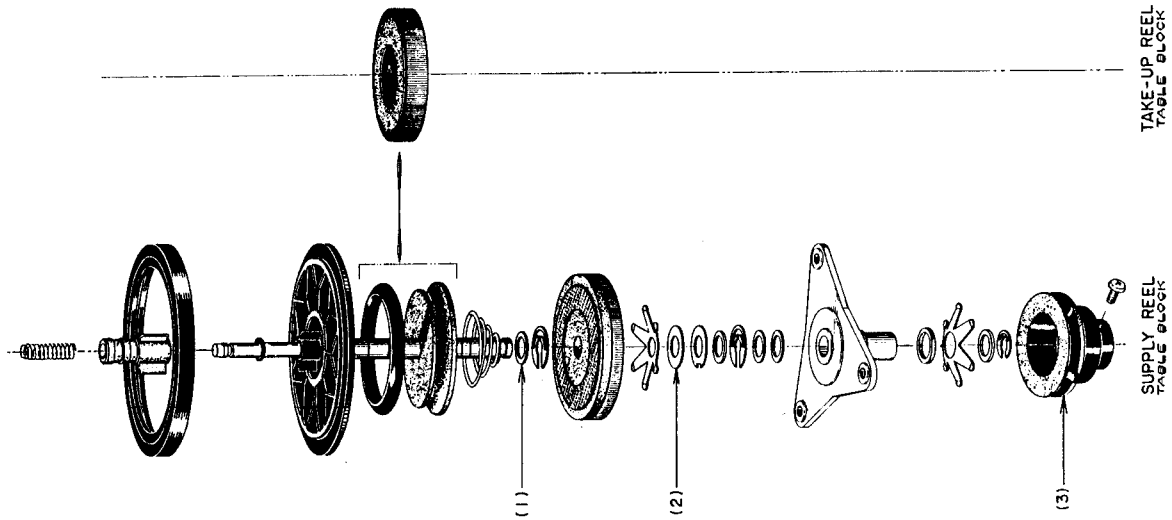
A spring gauge reading of 150~180g in the PLAY Mode.

To adjust, increase or decrease the number of (2) washers.

##### 3) RWD Free Tension Adjustment

A spring gauge reading of 15~20g in the RWD Mode.

To adjust, move the position of pulley (3) backwards and forwards.



TAKE-UP REEL  
TABLE BLOCK  
Fig. 6

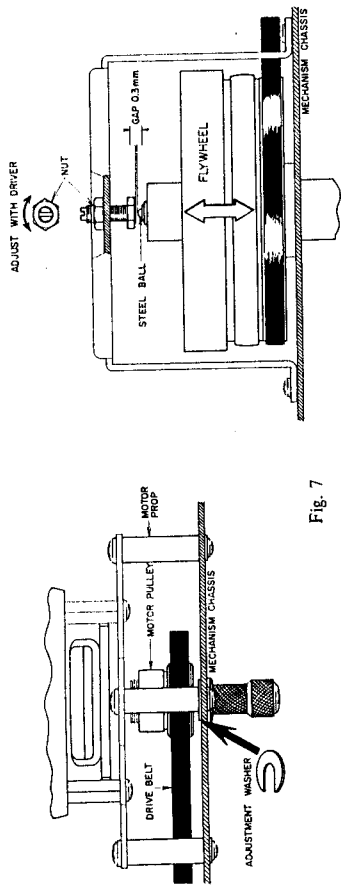


Fig. 7

Fig. 8

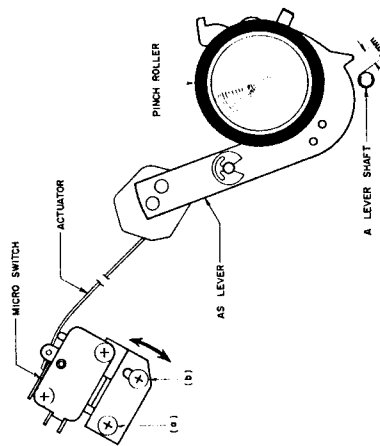


Fig. 9

### 3. DRIVE BELT POSITION ADJUSTMENT (Refer to Fig. 7)

Adjust position of drive belt so that it comes to the center of the motor pulley by inserting a washer (or washers) between the motor prop and mechanism chassis as shown in Fig. 1.2.

### 5. AUTOMATIC SHUT-OFF OPERATING POINT ADJUSTMENT (Refer to Fig. 9)

Loosen screws (a) and (b) and adjust installed position of Micro Switch so that when AS Lever is lowered as a result of the Power Switch being set to SHUT-OFF position, the gap between AS Lever is about 5 mm.

### 4. FLYWHEEL LOOSE PLAY ADJUSTMENT (Refer to Fig. 8)

With a minus screw driver, turn bearing to left and right and adjust so that when the flywheel is moved as indicated by the arrow mark in the figure, the gap between the steel ball and flywheel supporting plate is 0.3 mm as shown in Fig. 8. Fix at this position with nut.



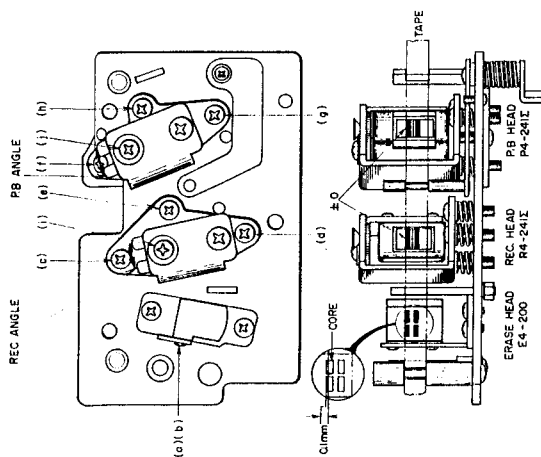


Fig. 10

3. HEAD ANGLE ALIGNMENT (Refer to Fig. 10)

- 1) Playback Head
  - a. Connect a High Sensitivity AC Voltmeter to the left and right channel Output Terminals of the tape deck.
  - b. Set the Track Selector to STEREO and set the machine to 7-1/2 ips tape speed.
  - c. Playback an 8,000 Hz 3-3/4 ips alignment adjustment test tape.
  - d. Loosen screw (j). Adjust PB angle in the direction of the arrow and change the angle of the head-to-tape contact.
- Fix the PB head at a position where the output level is not effected by an additional tension to the supply reel. (e.g. slightly touching the supply reel).

- 2) Recording Head
  - a. Connect an Audio Frequency Oscillator to the line input through an Attenuator, and connect a High Sensitivity AC Voltmeter to the line output. Then load a blank test tape.
  - b. Set the Monitor Switch to SOURCE and supply a 16,000 Hz sine wave signal. Adjust the Attenuator or the Line Recording Level Controls to obtain a -20 dBm High Sensitivity AC Voltmeter indication.
  - c. Reset Monitor Switch to TAPE and set deck to recording mode.
  - d. Loosen screw (i). Adjust REC angle in the direction of the arrow and change the angle of the head-to-tape contact.
- Fix the REC head at a position where the output level is not effected an additional tension to the supply reel. (e.g. slightly touching the supply reel).

- NOTES: 1. As head adjustment greatly affects tape deck performance, be sure that these adjustments are carried out properly.
2. Be careful not to use magnetized tools near the heads.
  3. As the level of old tape varies greatly, use new tape.
  4. Demagnetize heads before and after head adjustment.

1. HEAD HEIGHT ADJUSTMENT (Refer to Fig. 10)

- 1) Erase Head
  - a. Loosen screws (a) and (b) shown in Fig. 10 and adjust erase head height. Tighten screws at position at which the upper edge of the tape is 0.1 mm lower than the upper edge of the left channel head core of the erase head.
- 2) Recording Head
  - a. Adjust head height adjustment screws (c) and (d) shown in Fig. 10 so that the upper edge of the tape and the upper edge of left channel head core of the recording head are the same height.

2. HEAD AZMUTH ALIGNMENT (Refer to Fig. 10)

- 1) Playback Head
  - a. Connect a High Sensitivity AC Voltmeter to the left and right channel Output Terminals of the tape deck.
  - b. Set the Track Selector to STEREO and set the machine to 7-1/2 ips tape speed.
  - c. Playback an 8,000 Hz 3-3/4 ips alignment adjustment test tape.
  - d. Adjust adjustment screw (h) to obtain maximum High Sensitivity AC Voltmeter indication on both channels.

- 2) Recording Head
  - a. Connect an Audio Frequency Oscillator to the line input through an Attenuator, and connect a High Sensitivity AC Voltmeter to the line output. Then load a blank test tape.
  - b. Set the Monitor Switch to SOURCE and supply a 16,000 Hz sine wave signal. Adjust the Attenuator or the Line Recording Level Controls to obtain a -20 dBm High Sensitivity AC Voltmeter indication.
  - c. Reset Monitor Switch to TAPE and set deck to recording mode.
  - d. Adjust adjustment screw (e) to obtain maximum High Sensitivity AC Voltmeter indication on both channels.

- 3) Playback Head
  - a. Adjust head height adjustment screws (f) and (g) shown in Fig. 10 so that the upper edge of the tape and the upper edge of left channel head core of the playback head are the same height.

# VII. AMPLIFIER ADJUSTMENT

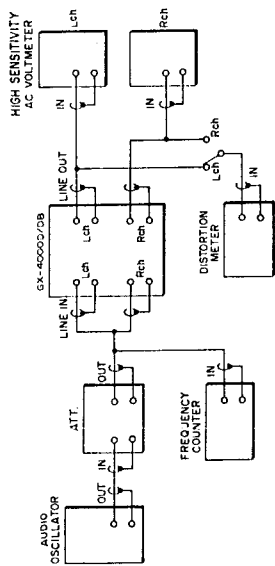


Fig. 11 Instruments Connection

## 1. MODEL GX-4000D

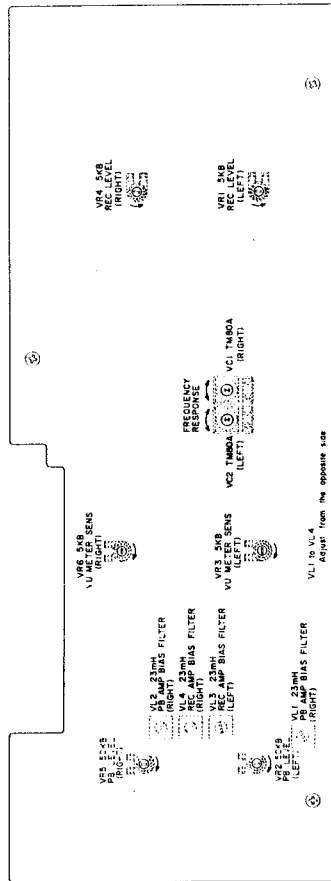


Fig. 12 Amp P.C Board LE-5801A (GX-4000D)

Step	Adjustment Item	Test Tape Supply Signal	Mode	Adjustment Point	Result	Remarks
1	Playback Level Adjustment	700 Hz 7-1/2 ips Test Tape	PLAY	VR2 50 kΩ(L) VR5 50 kΩ(R)	0 dBm ±0.5 dBm (0.775V)	Set Monitor Switch to "TAPE".
2	VU Meter Sensitivity Adjustment	700 Hz 7-1/2 ips Test Tape	PLAY	VR3 5 kΩ(L) VR6 5 kΩ(R)	0 VU indication	Adjust to +1 dB at 10,000 Hz in relation to 1,000 Hz
3	Frequency Response Adjustment	SCOTCH #2111 tape 1,000 Hz 10,000 Hz -20 VU recording	REC/ PLAY	VC1 80P(L) VC2 80P(R)	Adjust to +1 dB at 10,000 Hz in relation to 1,000 Hz	Tape Speed to 3-3 1/4 ips. Set EO Switch to "3-3/4".
4	Recording Level Adjustment	SCOTCH #2111 tape 1,000 Hz 0 VU recording	REC/ PLAY	REC Volume (VR8 50 kA)	0 dBm ±0.5 dBm (0.775V)	Set Monitor Switch to "TAPE"
		SCOTCH #2111 tape 1,000 Hz 0 VU recording	REC/ PLAY	VR1 5 kΩ(L) VR4 5 kΩ(R)	0 dBm ±0.5 dBm (0.775V)	Set Monitor Switch to "SOURCE"

Step	Adjustment Item	Test Tape Supply Signal	Mode	Adjustment Point	Result	Remarks
5	Distortion Factor Confirmation	1,000 Hz 0 VU recording	REC/ PLAY		Less than 1.0%	(Refer to NOTE 5)
6	PB Amp Bias Filter Adjustment	100 kHz from an oscillator	REC	VL1 23 mH(L) VL2 23 mH(R)	Minimum AC Voltmeter indication	Set Monitor Switch to "TAPE". (Refer to NOTES 6, 7)
7	REC Amp Bias Filter Adjustment	100 kHz from an oscillator	REC	VL3 23 mH(L) VL4 23 mH(R)	Minimum AC Voltmeter indication	Set Monitor Switch to "SOURCE". (Refer to NOTES 6, 7)

Chart-1

- NOTES:**
1. Output Level Control should be at maximum.
  2. Except for Step 3, set tape speed to 7-1/2 ips.
  3. Set tape selector to Low Noise position.
  4. (L) = Left Channel, (R) = Right Channel.
  5. If it does not comply with the specifications, repeat Steps 3, 4 and re-adjust.
  6. Unless the core is moved intentionally this adjustment is not necessary.
  7. Adjust the oscillator's frequency to give a frequency counter reading of 100 kHz.

2. MODEL GX-4000DB

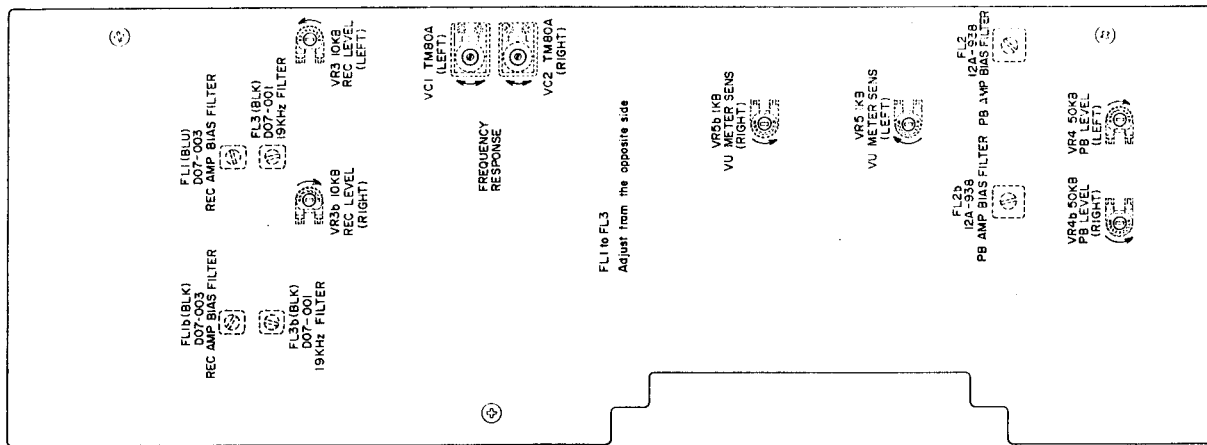


Fig. 13 Amp P.C. Board LE-5701A (CX-4000DB)

Step	Adjustment Item	Test Tape Supply Signal	Mode	Adjustment Point	Result	Remarks
1	Playback Level Adjustment	700 Hz 7-1/2 ips Test Tape	PLAY	VR4 50 KB	-2.5 dBm ±0.5 dBm (580 mV)	Set Monitor Switch to "TAPE".
2	VU Meter Sensitivity Adjustment	700 Hz 7-1/2 ips Test Tape	PLAY	VR5 1 KB	0 VU indication	
3	Frequency Response Adjustment	SCOTCH #211 tape 1,000 Hz 10,000 Hz, -20 VU recording	REC/ PLAY	VC1 80P(L) VC2 80P(R)	Adjust to +1 dB at 10,000 Hz in relation to 1,000 Hz	Tape Speed to 3-3/4 ips. Set EQ Switch to "3-3/4".
4	Recording Level Adjustment	1,000 Hz 0 VU from an oscillator	STOP	REC Volume (VR2 50KA)	-2.5 dBm ±0.5 dBm (580 mV)	Set Monitor Switch to "SOURCE".
5	Distortion Factor Confirmation	1,000 Hz 0 VU recording	REC/ PLAY	VR3 10 KB	-2.5 dBm ±0.5 dBm (580 mV)	Set Monitor Switch to "TAPE".
6	PB Amp Bias Filter Adjustment	100 kHz from an oscillator	REC	FL2 12A-938	Less than 1.0%	Set Monitor Switch to "TAPE". (Refer to NOTES 6, 7)
7	REC Amp Bias Filter Adjustment	100 kHz from an oscillator	REC	FL1 D07-003	Minimum AC Voltmeter indication	Set Monitor Switch to "SOURCE". (Refer to NOTES 6, 7)
8	19 kHz Filter Adjustment	19 kHz from an oscillator	STOP	FL3 D07-001	Minimum AC Voltmeter indication	DOLBY N. R. Switch to ON. (Refer to NOTE 8)

Chart-2

- NOTES:
1. Output Level Control should be at maximum.
  2. Except for Step 3, set tape speed to 7-1/2 ips.
  3. Set tape selector to Low Noise position.
  4. (L) = Left Channel, (R) = Right Channel.
  5. If it does not comply with the specifications, repeat Steps 3, 4 and re-adjust.
  6. Unless the core is moved intentionally this adjustment is not necessary.
  7. Adjust the oscillator's frequency to give a frequency counter reading of 100 kHz.
  8. Adjust the oscillator's frequency to give a frequency counter reading of 19.00 kHz.

### VIII. DC RESISTANCE OF VARIOUS COILS

Part	Designation	DC Resistance
Erase Head	E4-200	2.0 ohms
Recording Head	R4-241Σ	5.9 ohms
Playback Head	P4-241Σ	219 ohms

Chart-3

### IX. CLASSIFICATION OF VARIOUS P.C BOARDS

#### i. P.C BOARD TITLE AND IDENTIFICATION NUMBER

1) Model GX-4000D

P.C Board Title	P.C Board Number
Amp P.C Board	LE-5801A
Power Supply P.C Board	LE-5802
SW P.C Board	LE-5801C
LED P.C Board	LE-5801B

Chart-4

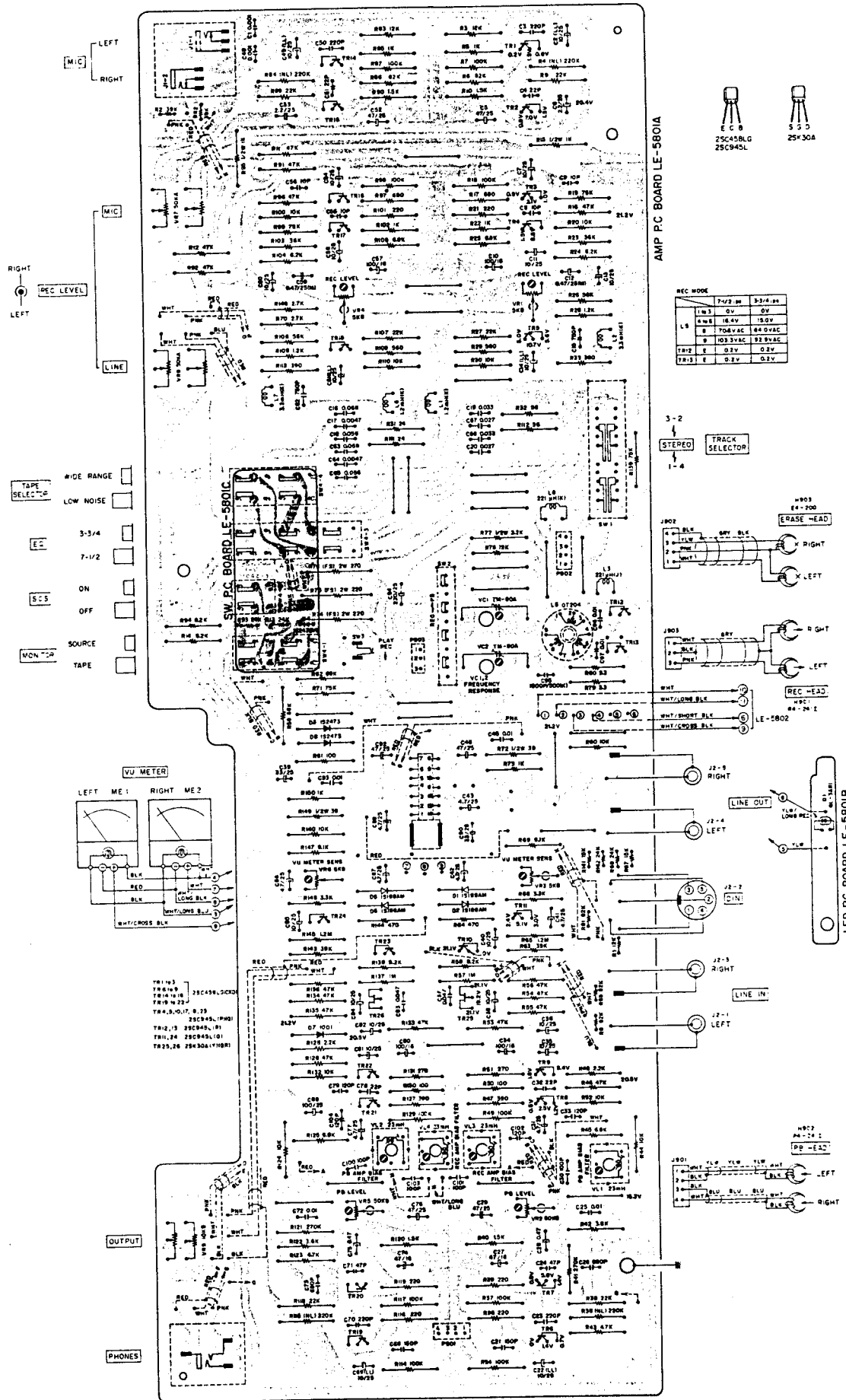
2) Model GX-4000DB

P.C Board Title	P.C Board Number
Amp P.C Board	LE-5701A
Power Supply P.C Board	LE-5702
LED P.C Board	LE-5701B

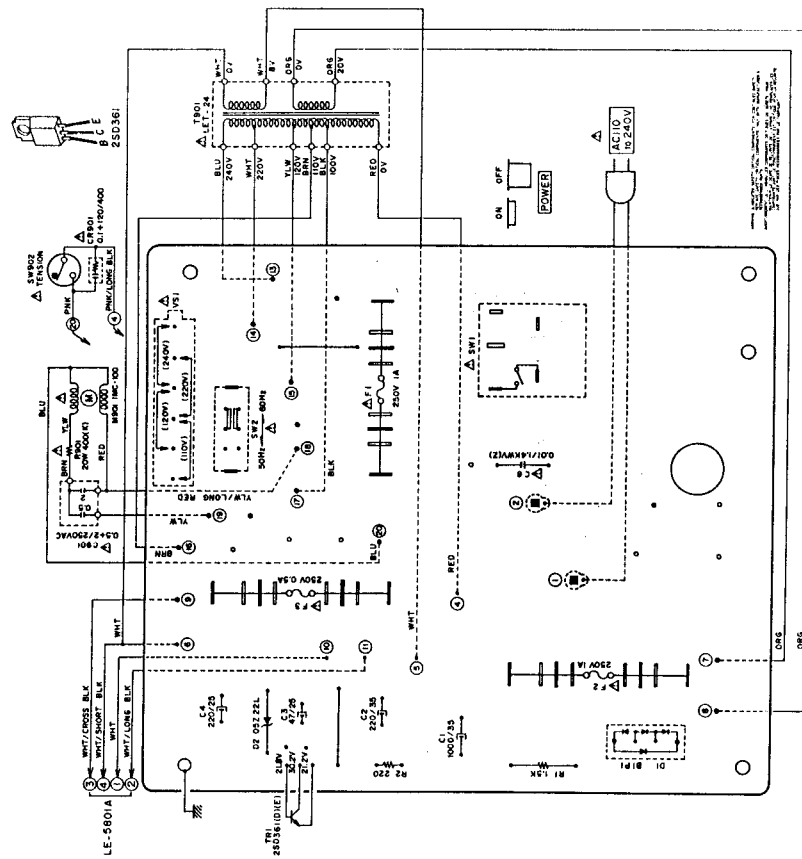
Chart-5

## 2. MODEL GX-4000D COMPOSITION OF VARIOUS P.C BOARDS

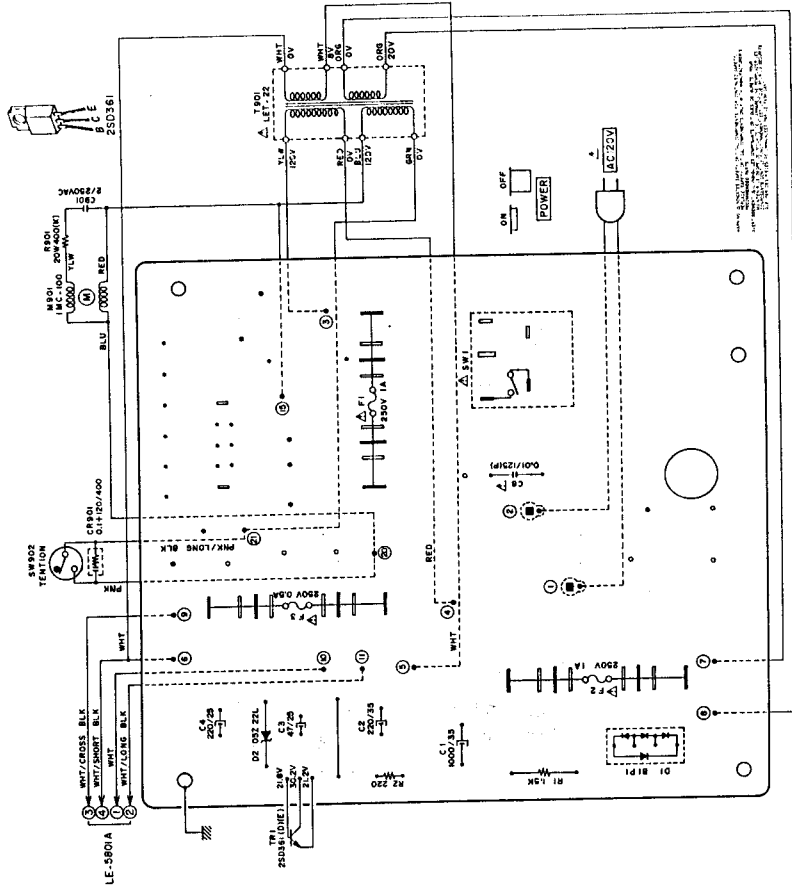
### 1) AMP P.C BOARD LE-5801A(2ED), LED P.C BOARD LE-5801B(2ED) & SW. P.C BOARD LE-5801C



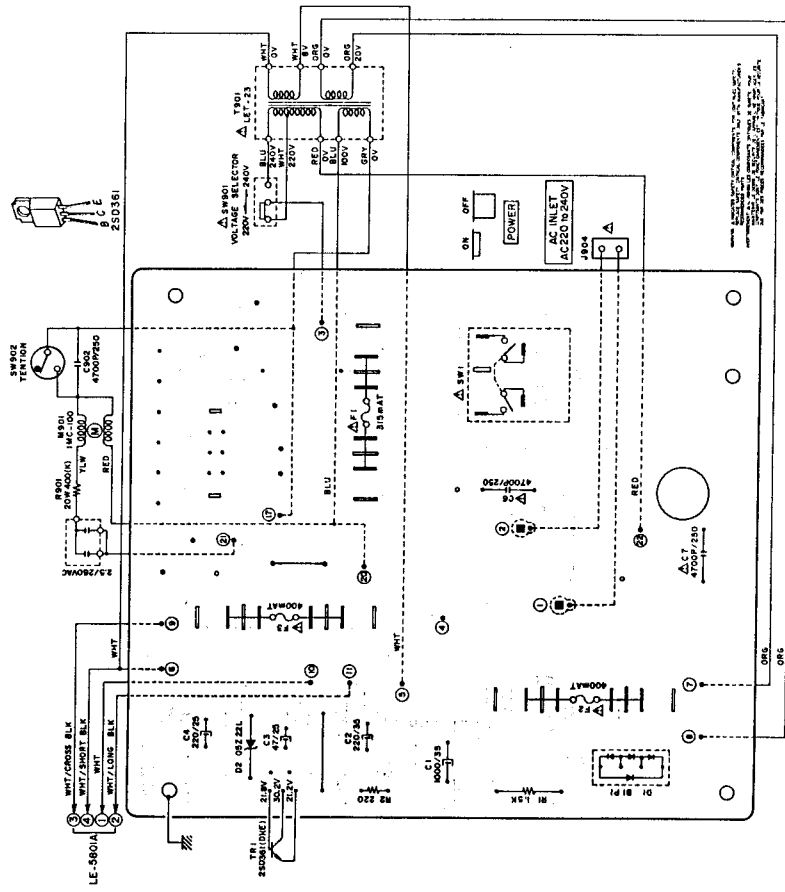
2) POWER SUPPLY P.C BOARD LE-5802 (U/T)



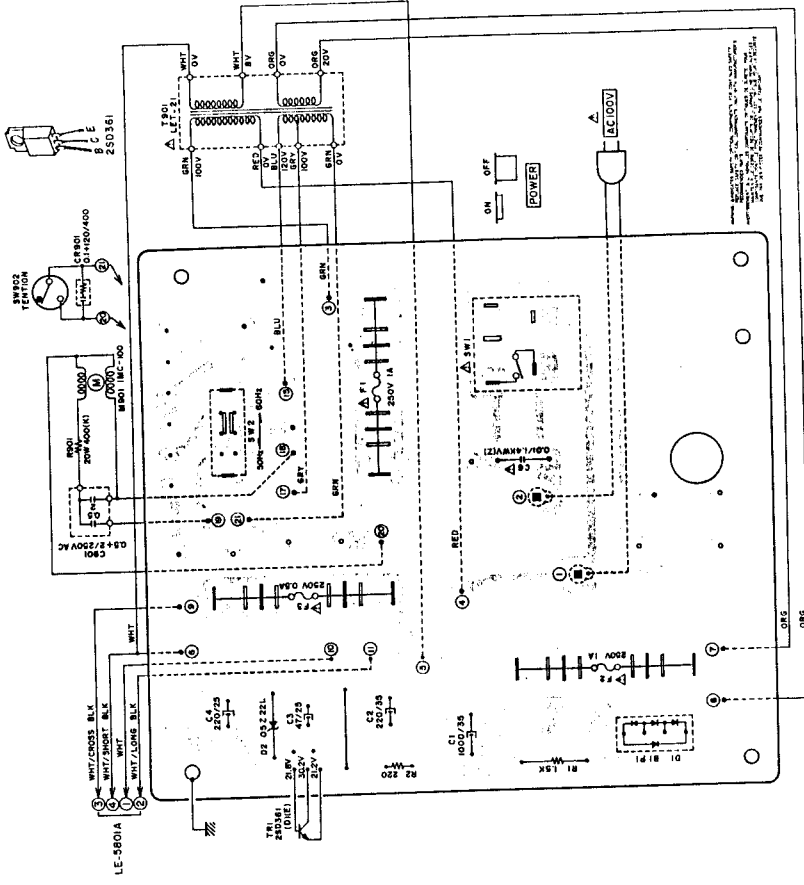
3) POWER SUPPLY P.C BOARD LE-5802 (CSA, AAL)



4) POWER SUPPLY P.C BOARD LE-5802 (CEE, U.K.)

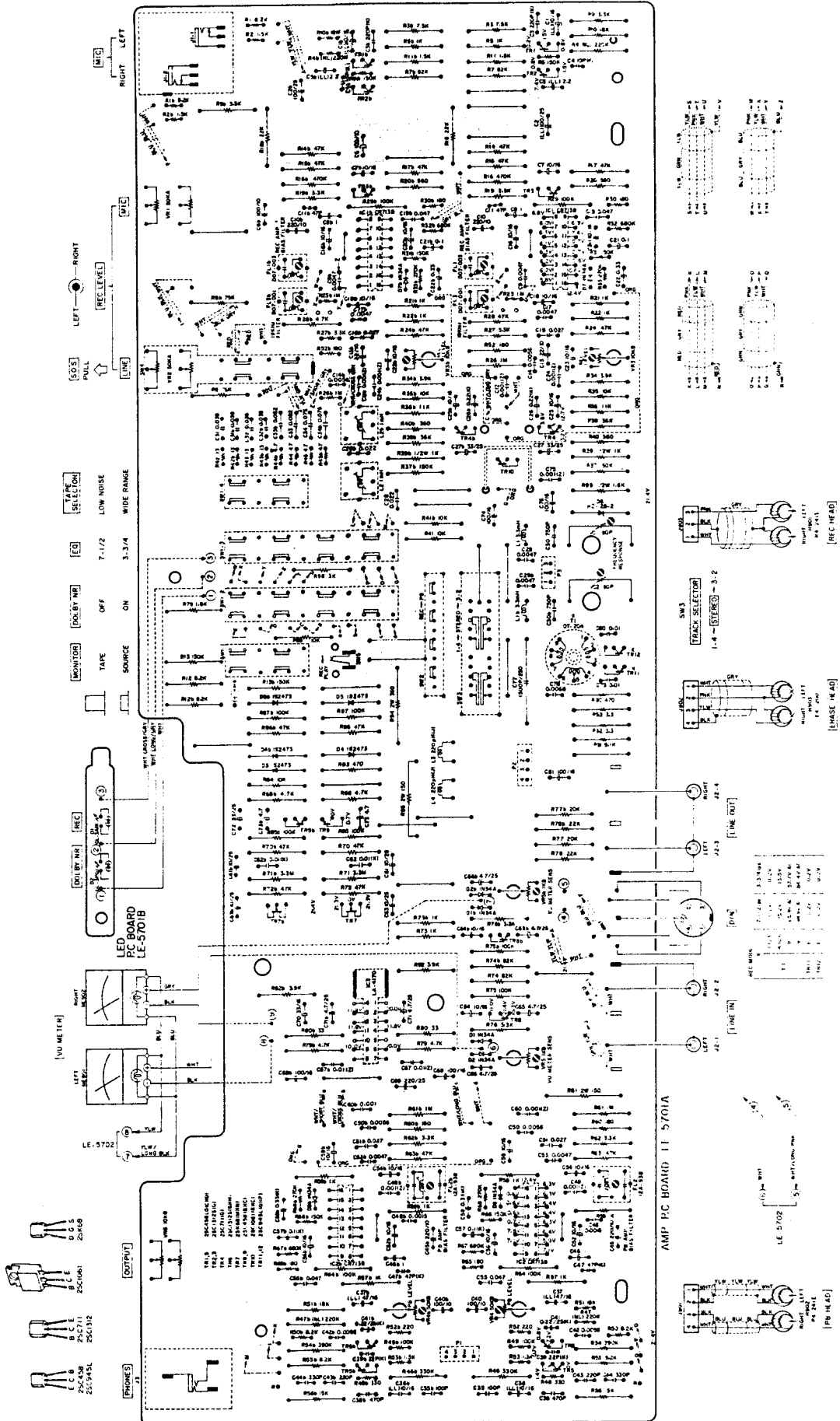


5) POWER SUPPLY P.C BOARD LE-5802 (JPN)



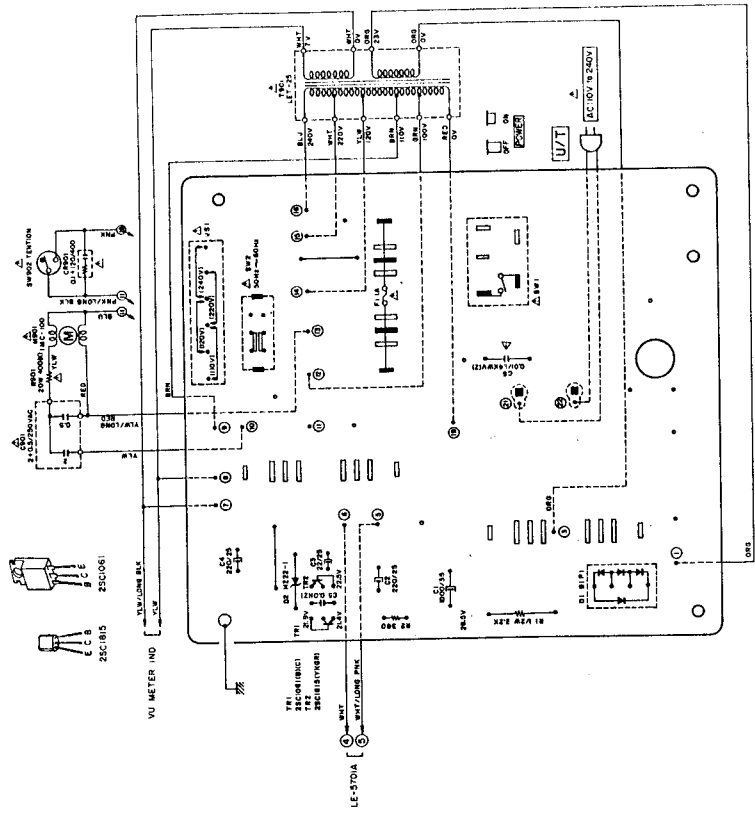
### 3. MODEL GX-4000DB COMPOSITION OF VARIOUS P.C BOARDS

#### 1) AMP P.C BOARD LE-5701A(2ED) & LED P.C BOARD LE-5701B



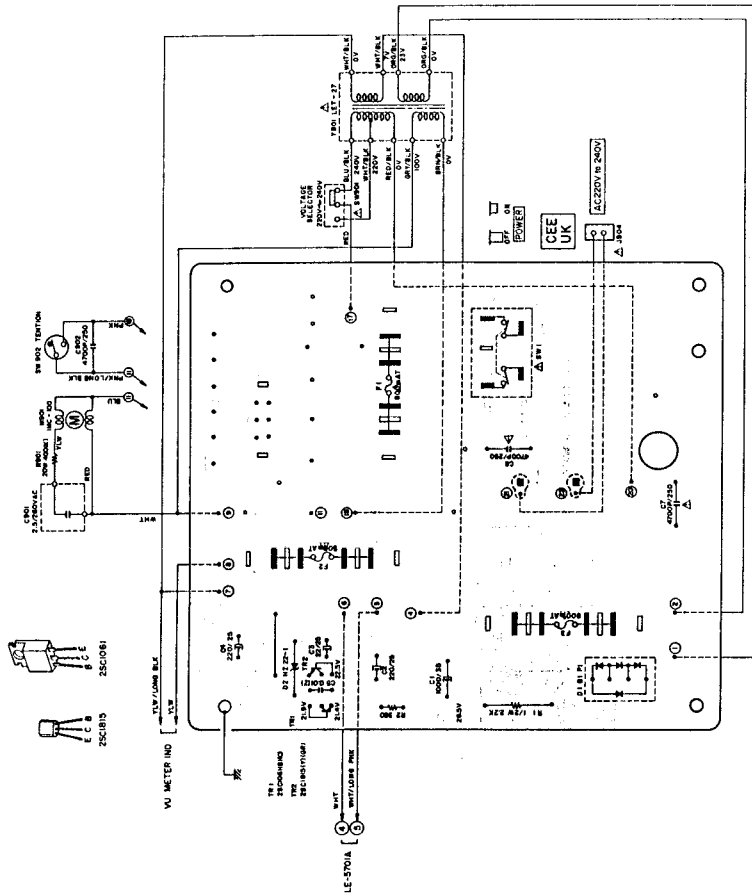


2) POWER SUPPLY P.C BOARD LE-5702 (U/T)



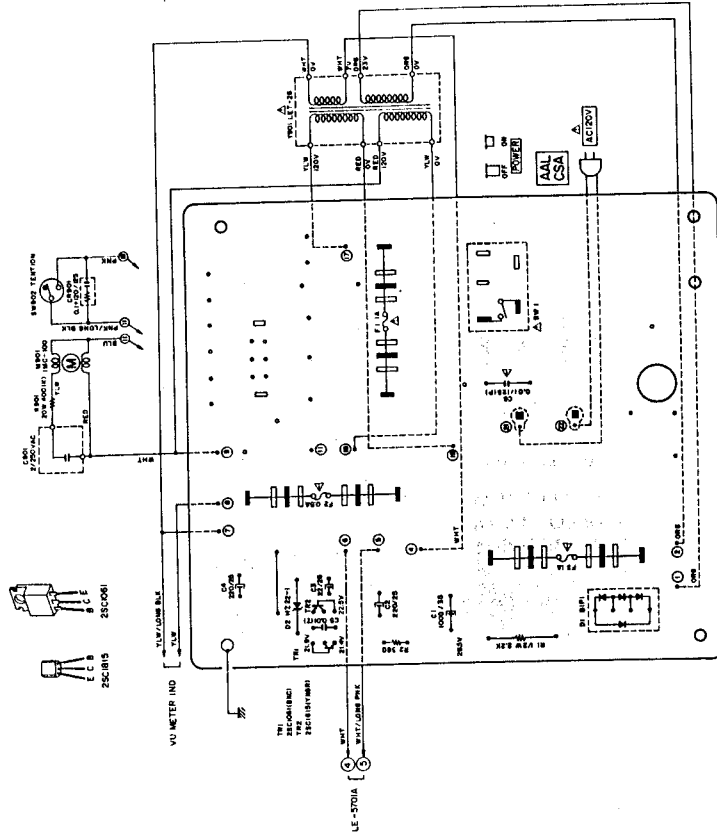
FORM NO. 2-11-1974 (REV. 11-74) DRAWING NO. 2-11-1974 (REV. 11-74) U/T  
U/T  
U/T

3) POWER SUPPLY P.C BOARD LE-5702 (CEE, U.K.)



WARNING: ALWAYS TEST SAFETY SWITCH COMPONENTS BY USING SUITABLE TEST EQUIPMENT. NEVER TEST THESE COMPONENTS BY USING A TEST BENCH. ALWAYS TEST THESE COMPONENTS BY USING SUITABLE TEST EQUIPMENT. NEVER TEST THESE COMPONENTS BY USING A TEST BENCH.

4) POWER SUPPLY P.C BOARD LE-5702 (CSA, AAL)



WARNING: ALWAYS TEST SAFETY SWITCH COMPONENTS BY USING SUITABLE TEST EQUIPMENT. NEVER TEST THESE COMPONENTS BY USING A TEST BENCH. ALWAYS TEST THESE COMPONENTS BY USING SUITABLE TEST EQUIPMENT. NEVER TEST THESE COMPONENTS BY USING A TEST BENCH.

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

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

This number corresponds with the Figure Number.

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

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

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

12-115x

Ref. No. Parts No. Description Schematic No.

12-115x 800425 FLYWHEEL BLOCK #13  
 12-116 804506 Flywheel Block Assy. Comp. RDC #13 RD-233  
 12-117x 244506 Flywheel Only R1-25  
 12-118 244754 Felt, Flywheel R1-25  
 12-119 251324 Main Metal Case RD-235  
 253080 Main Metal RD-235

4. The symbol numbers shown on the P.C. Board list can be matched with the Composite Views of Components of the Schematic Diagram or Service Manual.

5. Please utilize separate "Common List for Service Parts" for Resistor Parts orders.

6. The shape of the parts and parts name, etc. can be confirmed by comparing them with the parts shown on the Electrical Parts Table of P.C. Board.

7. Both the kind of part and installation position can be determined by the Parts Number. To determine where a parts number is listed, utilize Parts Index at end of Parts List.

8. 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).

9. 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:**  $\Delta$  INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURER'S RECOMMENDED PARTS.

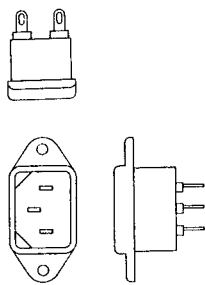
**AVERTISSEMENT:**  $\Delta$  IL INDIQU LES COMPOSANTS CRITIQUES DE SURETE. POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE REMPLACER LES COMPOSANTS DONT LE FONCTIONNEMENT EST CRITIQUE POUR LA SECURITE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT.

## AC INLET SYSTEM

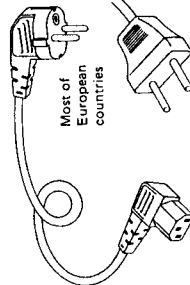
This model is equipped with an AC INLET SYSTEM. Please refer to the AC INLET SYSTEM CHART below for the specific type. By the AC INLET SYSTEM, AC (mains) cord can be connected to and disconnected from the model because the model is provided with socket exclusively for AC (mains) cord on its main body.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

### AC INLET SYSTEM CHART

#### CLASS I

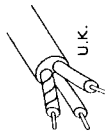


Picture 1  
AC INLET  
to be  
installed  
on machines

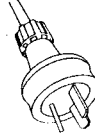


Connects to  
machine's  
AC Inlet

Picture 2  
AC (mains)  
cord



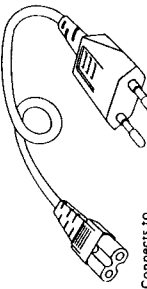
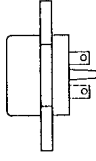
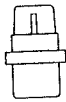
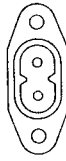
U.K.



Australia  
differs according  
to wall socket

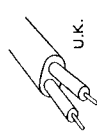
#### CLASS II

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



Connects to  
machine's  
AC Inlet

Most of the  
European  
countries



U.K.



Australia  
differs according  
to wall socket

Parts List for AC (mains) Cord Set

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

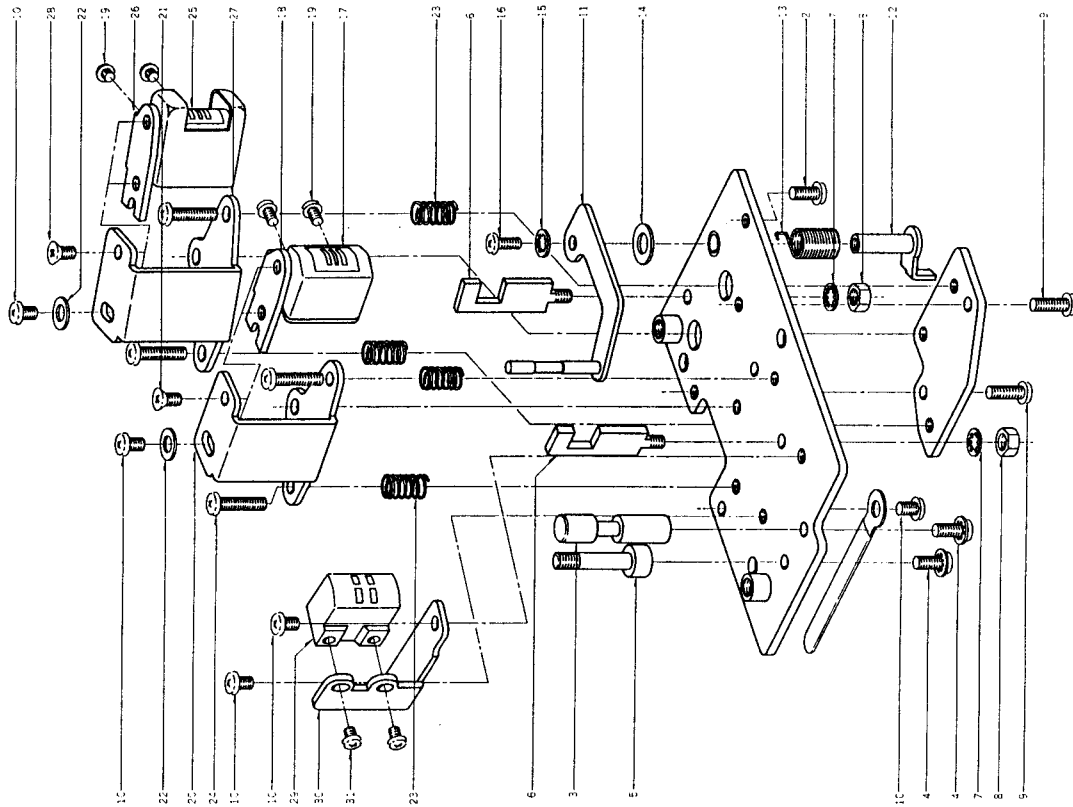
### 1. RECOMMENDED SPARE PARTS LIST

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

Parts No.	Description	Note
BA306532	Amp P.C Board Comp. GX-4000D	
BA307132	Amp P.C Board Comp. GX-4000DB	
BA306543	Power Supply P.C Board Comp. GX-4000D (U/T)	
BA306544	Power Supply P.C Board Comp. GX-4000D (JPN)	
BA306545	Power Supply P.C Board Comp. GX-4000D (CSA, AAL)	
BA306547	Power Supply P.C Board Comp. GX-4000D (CEE, UK)	
BA307124	Power Supply P.C Board Comp. GX-4000DB (U/T)	
BA307125	Power Supply P.C Board Comp. GX-4000DB (CSA, AAL)	
BA307126	Power Supply P.C Board Comp. GX-4000DB (CEE, UK)	
BF205075	Flywheel Block Comp. #5 LE	
BH306536	Head Base Block Comp. GX-4000D	
BL311453	AS Lever Block Comp. GX-4000D	
BM306529	Motor Block Comp. (IMC-100) GX-4000D	
BR306554	Reel Table Block Comp. LE-8 (Take-up)	
BR306555	Reel Table Block Comp. LE-8 (Supply)	
BT306441	Power Trans. LET-24 (D-U/T)	T901
BT306439	Power Trans. LET-21 (D-JPN)	T901
BT306440	Power Trans. LET-22 (D-CSA, AAL)	T901
BT306442	Power Trans. LET-23 (D-CEE, UK)	T901
BT307232	Power Trans. LET-25 (DB-U/T)	T901
BT307231	Power Trans. LET-26 (DB-CSA, AAL)	T901
BT307233	Power Trans. LET-27 (DB-CEE, UK)	T901
ED624903	Silicon Diode IS2473	
ED560913	Silicon Diode IS2473VE	
ED224526	Silicon Diode 10D1	
ED306423	Silicon Diode BIP-1	
ED562386	Germanium Diode IS188AM	
ED219464	Germanium Diode IN34A	
ED310387	Zener Diode HZ12B-2	
ED306469	Zener Diode 03Z-22L	
ED307236	Zener Diode HZ22-1	DB
ED249377	LED GL-3AR1	
ED283138	LED GL-3PG1	DB
EI306141	IC LA4170	
EI301463	IC CR-713B	DB
EM306433	VU Meter D18C45R	
EM306432	VU Meter D18C43R (D-JPN)	
EM306434	VU Meter D18C44R (BL)	
EO383365	Osc Coil OT-204	
ES403727	Micro SW. V-1A106 U/L	
ES306291	Remote SW. SE-S243B	
ES307163	Remote SW. SE-S243B	DB

Parts No.	Description	Note
ES494302	Slide SW. CL-104B	
ES306292	Leaf SW. BSW-86	
ES306422	Push SW. SUF42	
ES306982	Push SW. SUF42	
ES655806	Push SW. SDGIP (U/T, JPN)	DB
ES665875	Push SW. SDG-1P U/L (CSA, AAL)	
ES665807	Push SW. SDG-5P 5A/80A 250V (CEE, UK)	
ES258232	Slide SW. S-2930 (U/T, JPN)	
ES316934	Rewind Shaft (Y Type)	
ES369865	Rewind Shaft (Y Type) RCC	
ET391768	Transistor 2SC458LG (C) (D)	
ET639437	Transistor 2SC945L (Q) (P)	
ET399846	Transistor 2SC945L (Q)	
ET398788	Transistor 2SC945L (R)	
ET603257	Transistor 2SC1312S (G) (H)	DB
ET663243	Transistor 2SC1312S (G)	DB
ET399870	Transistor 2SC711 (G)	DB
ET368021	Transistor 2SC458 (B) (C)	
ET537300	Transistor 2SD361 (D) (E)	
ET375603	Transistor 2SC1061 (B) (C)	DB
ET307234	Transistor 2SC1815 (Y) (GR)	DB
ET52870	FET 2SK30A (Y) (GR)	
ET301464	FET 2SK68 (M) (N)	DB
EV306293	Double axial 2 throw Vol. DM20R 611A 50 kA×2	
EV306981	Double axial 2 throw Vol. (w/SW) DM13E531A-UER42 50 kA×2	DB
EV306446	Single axial 2 throw Vol. GM70R706C 10 kB×2	
EV305635	Semi-fixed/Vol. D8 Axial Type 5 kB	
EV305636	Semi-fixed/Vol. D8 Axial Type 50 kB	
EV520806	Semi-fixed/Vol. V8K4-1 10 kB	DB
EV464220	Semi-fixed/Vol. V8K4-1 50 kB	DB
EV478686	Semi-fixed/Vol. V8K4-1 1 kB	DB
HE384693	ERASE HEAD E4-200	
HF307087	HEAD P4-241Σ	
HR307088	HEAD R4-241Σ	
MB256601	Double Face Flat Belt D110	
MB406168	Counter Belt D123x1.8	
MC479968	Counter Part MP-491-28	
M1675450	Middle Wheel (C)	
M1241413	Idler Wheel (D) Part LE-6	
MP204794	Pinch Roller Part LS	
MS-44708	Flywheel Shaft	
MV639630	Roller, Resin LE	
MY270055	Capstan D8	
MZ283140	Voltage Changer 1.2M-60031 (U/T)	

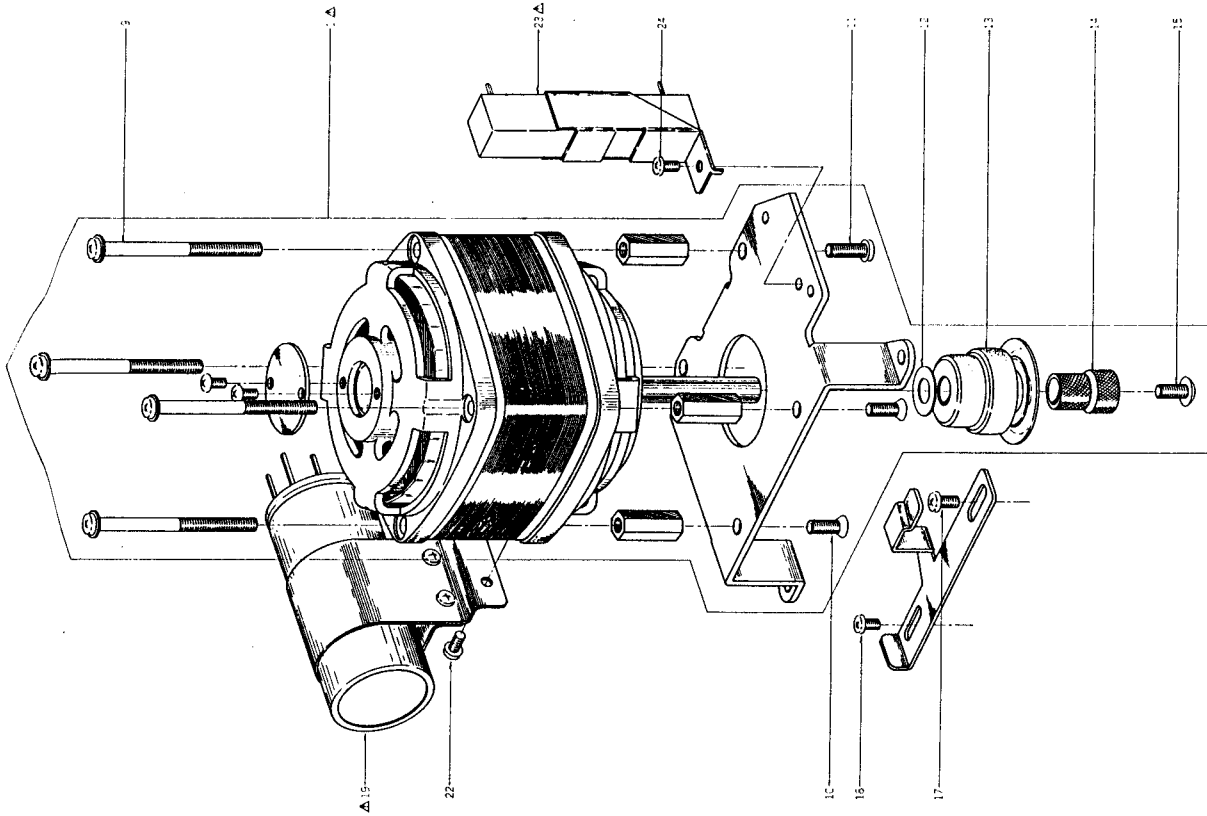
## 2. ILLUSTRATION OF HEAD BASE BLOCK



## 2.) HEAD BASE BLOCK

Ref. No.	Parts No.	Description	Schematic No.
2-1x	BH306536	Head Base Block Comp. GX-4000D	
2-2	ZS379350	Screw, pan head 3x6	MR 4
2-3	HZ317597	MR Tape Guide (A)	100180
2-4	ZS558101	Screw, pan head 3x6 w/Washer	4TR5
2-5	SZ276816	Capstan Rest, ST-1	
2-6	HZ274162	Tape Guide #1	
2-7	ZW273802	Toothed Lock Washer, M3	
2-8	ZW516611	Nut M3	
2-9	ZS421806	Screw, pan head 3x8	LE-0707
2-10	ZS417216	Screw, pan head 3x4	M9-3
2-11	ML306332	Shift Lever Part LE-8	LD-19
2-12	ML676001	Shift Lever (B) Part LD	
2-13	ZG312928	Shifter Spring	
2-14	ZW420682	Washer (Nylon) D4.2x9x0.5f	
2-15	ZW269785	Toothed Lock Washer, M2.3	
2-16	ZS464692	Screw, binding head 2.3x6	LE-0705
2-17	HR307088	HEAD R4-241Z	
2-18	HA306211	REC Angle	LE-0703
2-19	ZS460440	Screw, pan head 2x4	
2-20	HZ306249	REC Base	
2-21	ZS327835	Screw, countersunk head 3x5	RD-16
2-22	ZW306464	Washer D3.1x7x0.5f	
2-23	ZG206144	Angle Adjust Spring	
2-24	ZS419670	Screw, pan head 3x12	
2-25	HP307087	HEAD P4-241Σ	LE-0704
2-26	HA306210	PB Angle	LE-0702
2-27	HZ306246	PB Base	
2-28	ZS444330	Screw, countersunk head 3x4	LF-0002
2-29	HE384693	ERASE HEAD E4-200	
2-30	HZ410984	Erase Head Base	
2-31	ZS477876	Screw, pan head 2x3	26-6-288
2-32x	EJ309102	4P Micro Connector Part	26-6-289
2-33x	EJ309103	4P Micro Connector Part	26-6-287
		W-H8004-023	
		W-H5004-022	
2-34x	EJ309101	3P Micro Connector Part	
		W-H8003-027	

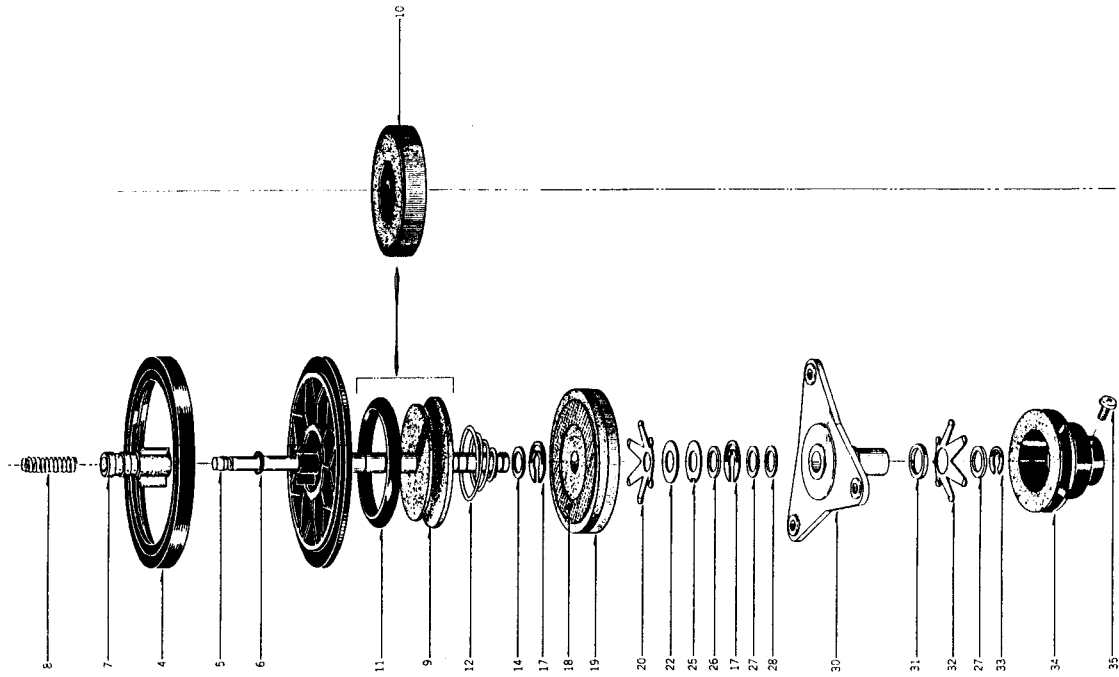
### 3. ILLUSTRATION OF MOTOR BLOCK (IMC-100)



### 3) MOTOR BLOCK (IMC-100)

Ref. No.	Parts No.	Description	Substitue No.
3-1	BM306329	Motor Block Comp. (IMC-100) GX-4000D	900-74
3-2x	EZ335204	Felt (C) D14x19x4t	
3-3x	ZW283465	Washer D9x23.8x0.1t	
3-4x	ZW283476	Washer D9x23.8x0.2t	
3-5x	ZW283487	Washer D9x23.8x0.3t	
3-6x	ZW283498	Washer D9x23.8x0.4t	
3-7x	ZW283500	Washer D9x23.8x0.5t	
3-8x	MV269965	Steel Ball D4	
3-9	ZS47037	Screw, pan head 4x50, w/washer	
3-10	ZS47026	Screw, countersunk head 4x10	
3-11	ZS474056	Screw, pan head 4x10	
3-12	M210176	Oil Cut (A)	900-720
3-13	MR411976	Motion Pulley	SR45
3-14	MR300644	Knurling Pulley (900 Type)	900-75
3-15	ZS600816	Screw, trust head 4x8	
3-16x	ZS422076	Screw, pan head 3x5	
3-17	ZS417150	Screw, pan head 4x6	
3-18	ZS422076	Screw, pan head 3x5	
3-19	EC306424	Δ MP/C. (Wrap Type) 2+0.5μF 250VAC (U/T, JPN)	24-φ123
3-20x	EC309122	Δ MP/C. (Wrap Type) 2.5μF 260VAC (CEE)	24-φ128
3-21x	EC306425	Δ MP/C. (Wrap Type) 2μF 250VAC (CSA)	24-φ124
3-22	ZS323728	Screw, binding head 3x5	
3-23	ER306462	Δ Cement/R. 20W 400 ohms(K)	35-φ78
3-24	ZS608275	Screw, pan head 3x5 w/washer	

#### 4. ILLUSTRATION OF REEL TABLE BLOCK

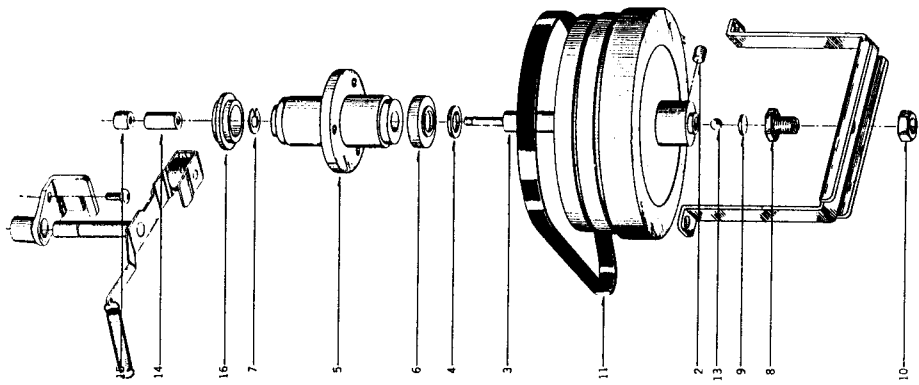


#### 4) REEL TABLE BLOCK

Ref. No.	Parts No.	Description	Schematic No.
4-1x	BR306555	Reel Table Block Comp. LE-8 (Supply)	
4-2x	BR306554	Reel Table Block Comp. LE-8 (Take-up)	
4-3x	MT252112	Friction Cloth (B)	900-225
4-4	MT306237	Reel Table Rubber (Black)	LE-2703
4-5	MS306208	Reel Shaft	38-139
4-6	MT516585	O' Ring 2.8x1.9	38-103
4-7	MT458943	Reel Retainer	LE-2706
4-8	ZG306241	Reel Spring	900-221
4-9	MR251460	Rewind Pulley	900-224
4-10	MR252044	Take-up Roller (A)	900-220
4-11	MT222366	Rubber Ring	900-220
4-12	ZG227553	Spring G-2 (L)	
4-13x	ZG227542	Spring G-2 (R)	
4-14	ZW260054	Washer (SUP) D6.1x10x0.25t	
4-15x	ZW260065	Washer (SUP) D6.1x10x0.35t	
4-16x	ZW260098	Washer (SUP) D6.1x10x0.5t	
4-17	MT255870	Reel Table Thrust Retainer Pin	900-227
4-18	MT252123	Friction Cloth (C)	900-228
4-19	MR252055	Take-up Roller (B)	900-221
4-20	MT255971	Reel Table Spring Plate (A)	900-228
4-21x	MT255982	Reel Table Spring Plate (B)	
4-22	ZM553972	Washer (Nylon) D6.2x13x0.8t	
4-23x	MT438636	Reel Torque Adjust Thrust (6) D6.2x13x1t	101021
4-24x	MT438592	Reel Torque Adjust Thrust (7) D6.1x10x0.3t	10007
4-25	ZW231693	Thrust Washer, w/claw	900-235
4-26	ZW260021	Washer (SUP) D6.1x10x0.13t	
4-27	MT438625	Reel Torque Adjust Thrust (5) D6.1x10.3x1t	101020
4-28	MT438581	Reel Torque Adjust Thrust (1) D5.8x10.3x1t	101015
4-29x	ZW260043	Washer (Nylon) D6.1x10x0.2t	
4-30	MT676383	XR Reel Metal Mt. Part Part LS XR-191B	
4-31	ZW437804	Flywheel Thrust (A) D7.9x13x1t	101024
4-32	MT255993	Reel Table Spring Plate (C)	NR-207
4-33	ZW270000	Retaining Pin D4	900-257
4-34	MR256083	Reel Table Pulley	900-239
4-35	ZS379350	Screw, pan head 3x6	
4-36x	ZS421806	Screw, pan head 3x8	



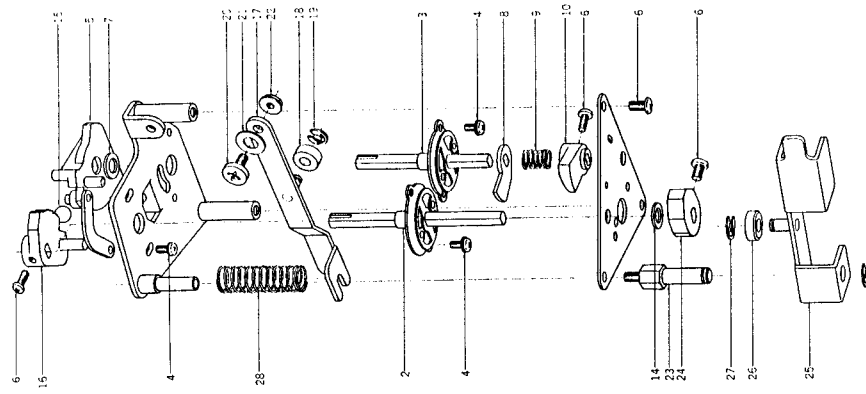
### 5. ILLUSTRATION OF FLYWHEEL BLOCK



### 5) FLYWHEEL BLOCK

Ref. No.	Parts No.	Description	Schema No.
5-1x	BF205075	Flywheel Block Comp. #5 LE	
5-2	ZS687126	Set Screw, hexagon socket 5x5 (Flat/P.)	
5-3	MS244708	Flywheel Shaft	SRA-21
5-4	ZW447208	Flywheel Thrust (B) D7.9x13x0.5t	10095
5-5	MZ675887	Main Case Part 1630	1630-205
5-6	MZ446635	Thrust Cap, main metal B.	LF-2068
5-7	MH244710	Flywheel Fixing Pin	900-250
5-8	MZ585900	Shaft Support	LS-1003
5-9	ZW285873	Washer D8x1.5t (w/o hollow)	
5-10	ZW413778	Nut M5 #1 (Nylon)	
5-11	MB256601	Double Face Flat Belt D11.0	10912
5-12	ZS413177	Screw, pan head 4x10 w/washer	
5-13	MV269965	Steel Ball D4	
5-14	NY2270055	Capstan DS	
5-15	ZS284231	Capstan Screw, 1.100	SRA-7
5-16	MZ301585	Metal Cap	SRA-6B
5-17x	MZ306436	Metal Cap (BL)	LE-807

### 6. ILLUSTRATION OF SWITCH BLOCK



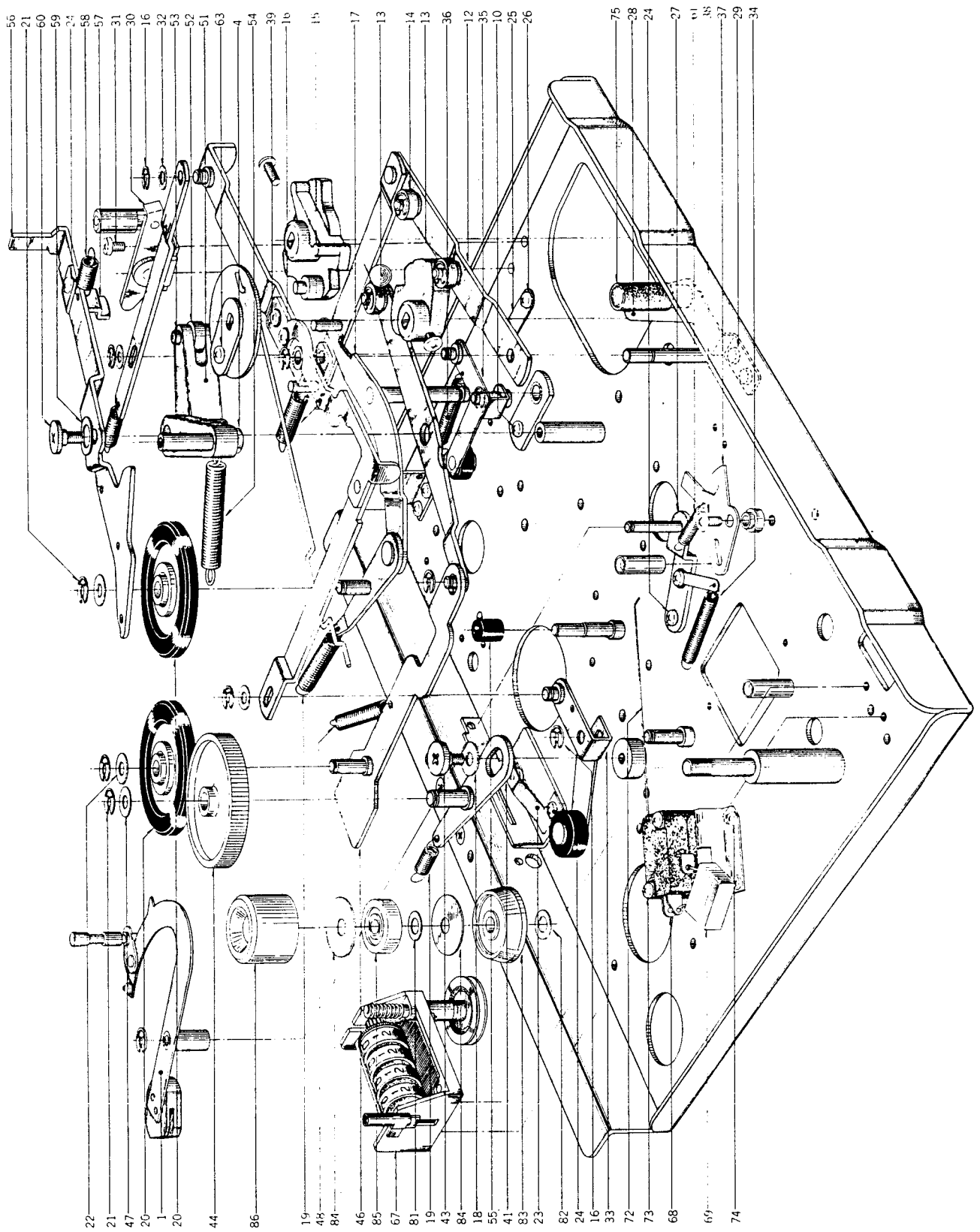
### 6) SWITCH BLOCK

Ref. No.	Parts No.	Description	Schema No.
6-1x	BS480352	SW. Block Comp. LE	LE-2301
6-2	ES316934	Rewind Shaft (Y Type)	25-8-5
6-3	ES369865	Rewind Shaft (Y Type), RCC	RCC-302
6-4	ZS558101	Screw, pan head 3x6 w/washer	
6-5	MZ610301	Cam (A-3)	MR-32
6-6	ZS413701	Screw, pan head 4x8	
6-7	ZW260133	Washer (Fiber) D6.1x10x1t (Black)	
6-8	MZ327341	Cam Trap Plate (B)	SX-301
6-9	ZG227566	Spring (K)	900-211
6-10	MZ327352	Cam (C-2)	SX-302
6-11x	ZW260144	Washer (Nylon) D6.1x10x0.3t	
6-12x	ZW260076	Washer (Nylon) D6.1x10x0.5t	
6-13x	ZW260111	Washer (Nylon) D6.1x10x0.8t	
6-14x	ZW322110	Washer (Nylon) D6.1x10x1t	
6-15	MV270066	Steel Ball DS	900-206
6-16	MZ217271	Cam (B), w/o tap	900-209
6-17	ML675854	Lever (I) Part 900	900-132
6-18	MR217203	Cam Roller (A) D12	6-1-1
6-19	ZW290283	U-Ring 2.85M	900-126
6-20	ZS217877	Pause Lever Set Screw	
6-21	ZW432347	Washer (Luminar) D6.2x13x0.125t	
6-22	ZW413267	Flange Nut M4	MR-303
6-23	MH258581	REC Lever Prop	MR-243
6-24	MZ206515	Amp SW. Cam (B)	
<b>REC LEVER BLOCK</b>			
6-25	ML305715	REC Lever Part LE-8	LE-6730
6-26	MR217203	Cam Roller (A) D12	900-132
6-27	ZW290283	U-Ring 2.85M	6-1-1
6-28	ZG227485	Spring (E)	900-119

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

# 7. ILLUSTRATION OF MECHA ASSEMBLY BLOCK



### 7)MECHA ASSEMBLY BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Ref. No.	Parts No.	Description	Schematic No.
7-1	AS LEVER BLOCK BL311453 AS Lever Block Comp. GX-4000D		4TR:21	7-65x	ES306460	Remote SW. (Selector) SE-S243B	25-97
7-2x	ZG260717 AS Lever Spring (B)			7-66x	ES307180	Remote SW. (Selector) SE-S243B L=200 (DB)	25-98
7-3x	ZV273914 Spring Washer, M4			7-67	MC479968	Counter Part MP-491-28	9-123
7-4	ZW413188 Nut M4, #1			7-68	EA03727	Micro SW. V-1A106 U/L	25-120
7-5x	ZS13201 Screw, pan head 4x8			7-69	ER450786	Spark Quencher U/L 0.1µ+120 ohms 400WV	41-133
7-6	ZS414044 Screw, countersunk head 4x8			7-70x	ER300820	Spark Quencher CRU-112 0.1µ+120 ohms 125WV (CSA)	41-163
7-7x	ZS325495 Tapping Screw #2.3x6 (BR)			7-71x	EC301320	MP/C. 4700PF(M) 250WV (CEE)	24-922 LS-102
7-8x	ZS600816 Screw, truss head 4x8			7-72	MZ888887	Actuator (B) Part LS-2	
7-9x	ZS447840 Tapping Screw #2.3x8 (BR)			7-73	ZS419670	Screw, pan head 3x12	
7-10	ZS424056 Screw, pan head 4x10			7-74	ZS422076	Screw, pan head 3x5	
7-11x	ZW413267 Flange Nut M4			7-75	SB625004	REC Button (RED)	900-187
7-12	ML663355 Lever (B,D) Part 900		900-103	7-76x	MB406168	Counter Belt D123x1.8	33-14
7-13	MR217203 Cam Roller (A) D12		900-113	7-77x	SA311202	Rubber Foot (A) Part	LE-6739
7-14	MR217214 Cam Roller (B)		4TR:30	7-78x	ZW401075	Washer (PBP) D4.1x7x0.11	
7-15	ZG469427 Spring (B-1)		LS-204	7-79x	ZW322523	Washer (PBP) D4.1x7x0.21	
7-16	ZW290283 'U' Ring 2.85M		6-1-1	7-80x	ZW649991	Washer (PBP) D4.1x7x0.31	
7-17	ML663401 G.H. Lever Part 900						
7-18	ZW432347 Washer (Luminar) D6.2x13x0.125t						
7-19	ZG227575 Spring (U)		900-121				
7-20	M1241413 Idler Wheel (D) Part LE-6		LE-1810	7-81	ZW285862	Washer D5.1x10.3x0.11	
7-21	ZW290294 'U' Ring 2.85M		6-1-1B	7-82	ZW326463	Washer (PBP) D5.1x10.3x0.21	LC-618
7-22	ZW260054 Washer (SUP) D6.1x10x0.25t			7-83	SZ466377	Tape Guide Table (A)	3A-356
7-23	ZG557095 Lever, FB Vibration Proof Spring		MR-104	7-84	ZW231805	Tape Guide Washer (Large)	LE-1607
7-24	ZS323728 Screw, binding head 3x5			7-85	MV639630	Roller, Resin LE	LE-6715
7-25	MZ217708 Pause Lever Retaining Parts (B)		900-170	7-86	SH306225	Tape Guide Cap	
7-26	ZS413234 Screw, pan head 4x12						
7-27	ML663761 AS Lever Prop Base Part 4TR		4TR:25				
7-28	ML628211 REC Stopper		LE-1802				
7-29	ZS417150 Screw, pan head 4x6						
7-30	ML674357 Start Lever Part MS		4TR:122				
7-31	ZS417216 Screw, pan head 3x4						
7-32	ZW259942 Washer (Fiber) D5.1x10.3x0.5t						
7-33	ML668700 Supply Brake Part 900		900-113				
7-34	ZG290384 UN Spring (D)		1630-108				
7-35	ML668687 Take-up Brake Part LE		900-114				
7-36	ZG227452 Spring (D)		900-118				
7-37	MZ312524 Cam, shifter		LD-165				
7-38	ZS931177 Screw, truss head 3x8						
7-39	ZS201767 Screw, pan head 4x6. w/washer						
7-40x	ZW369595 Washer (Prestboard) D5.1x10.3x0.25t						
7-41	ML663805 Lever (K) Part 900		900-111				
7-42x	ZW283803 Washer (Luminar) D6.2x13x0.2t						
7-43	ZS223233 Fulcrum Screw (A)		900-135				
7-44	M1675450 Middle Wheel (C)		LE-1065				
7-45x	ZW321906 Washer (Nylon) D8.1x13x0.21						
7-46	ML663827 2-speed Motor, Lever (F) Part M8		MR-107				
7-47	ZW376391 Washer (Polysilber) D6.1x10x0.13t						
7-48	ZG270358 F.B Pull Spring		MR-108				
7-49x	ZW260111 Washer (Nylon) D6.1x10x0.8t						
7-50x	ZW376380 Washer (Polysilber) D5.1x10.3x0.13t						
7-51	ML663816 Pinch Roller Lever Part 4TR						
7-52	MR269763 Cam Roller D13		900-154				
7-53	MS582906 Cam Roller Shaft (A-1)		7-3-6				
7-54	ZG274117 Spring (A)		900-115				
7-55	MZ610457 Pause Lever Cushion		LE-1035				
7-56	ML479957 Pause Lever, LE		LE-1001				
7-57	MZ217855 Pause Stopper		900-169				
7-58	ZG217866 Pause Lever Spring (A)		900-123				
7-59	ZW260010 Washer (PBP) D6.1x10x0.11						
7-60	MH289168 Pause Lever Fastener		LE-1007				
7-61	ZG208091 Impedance Arm Spring		RD-269				
7-62x	ZW260133 Washer (Fiber) D6.1x10x1t (Black)						
7-63	ZS608321 Screw, pan head 3x6 W=8		MR-121				
7-64x	MZ256814 Rewind Shaft Spacer						

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

8. P.C BOARDS

(1) AMP P.C BOARD (LE-5801A) BLOCK (GX-4000D)

Symbol No.	Parts No.	Description	Schematic No.
(1)-1	BA306532	Amp P.C Board, Comp. GX-4000D	45-225
(1)-HC1	E1306141	IC LA4170	45-235
(1)-TR100	ET391768	Transistor 2SC458L(G)(C)(D)	45-129
(1)-TR4.5	ET391768	Transistor 2SC458L(G)(C)(D)	45-182
(1)-TR10	ET399846	Transistor 2SC945L(Q)(P)	45-185
(1)-TR11	ET399846	Transistor 2SC945L(Q)(P)	45-185
(1)-TR12.13	ET398788	Transistor 2SC945L(Q)(P)	45-185
(1)-TR140	ET391768	Transistor 2SC458L(G)(C)(D)	45-129
(1)-TR17.18	ET399437	Transistor 2SC945L(Q)(P)	45-185
(1)-TR190	ET391768	Transistor 2SC458L(G)(C)(D)	45-129
(1)-TR23	ET399437	Transistor 2SC945L(Q)(P)	45-185
(1)-TR24	ET399846	Transistor 2SC945L(Q)(P)	45-185
(1)-TR25.26	ET552870	FET 2SK30A(Y)(GR)	45-124
(1)-D1.2	ED562386	Germanium Diode 1S188AM	45-324
(1)-D3	ED624903	Silicon Diode 1S2473	45-328
(1)-D5.6	ED562386	Germanium Diode 1S188AM	45-324
(1)-D7	ED245226	Silicon Diode 10D1	45-211
(1)-D8	ED624903	Silicon Diode 1S2473	45-328
(1)-L1	EO306418	Inductor RX-9P 1.2mH(H)	23-125
(1)-L2	EO306417	Inductor RX-9P 3.3mH(H)	23-125
(1)-L3	EO5825905	Ferrit Inductor FL9H 220µH(J)	23-14
(1)-L5	EO383365	Osc Coil OT-204	23-420
(1)-L6	EO306418	Inductor RX-9P 1.2mH(H)	23-125
(1)-L7	EO306417	Inductor RX-9P 3.3mH(H)	23-125
(1)-L8	EO4825905	Ferrit Inductor FL9H 220µH(J)	23-14
(1)-V1104	EO624857	Micro Jack HLJ0278-01-010	31-291
(1)-J1	EJ306289	4P Pin Jack	31-292
(1)-J2	EJ283094	Headphone Jack JL3A	31-292
(1)-J3	EJ306290	Headphone Jack JL3A	31-292
(1)-SW1	ES306291	Remote SW. SE-S243B	25-27
(1)-SW2	ES494302	Slide SW. CL-104B	25-379
(1)-SW3	ES306292	Leaf SW. BSW-86	25-10-31
(1)-VR1	EV305635	Semi-fixed/Vol. D8 Axial Type 5 kΩ	36-10-273
(1)-VR2	EV305636	Semi-fixed/Vol. D8 Axial Type 50 kΩ	36-10-273
(1)-VR3.4	EV305635	Semi-fixed/Vol. D8 Axial Type 5 kΩ	36-10-273
(1)-VR5	EV305636	Semi-fixed/Vol. D8 Axial Type 50 kΩ	36-10-273
(1)-VR6	EV305635	Semi-fixed/Vol. D8 Axial Type 5 kΩ	36-10-273
(1)-VR7.8	EV306293	Double axial 2 throw Vol. DM20R611A	36-18-12
(1)-VR9	EV306446	Single axial 2 throw Vol. GM70R706C 10 kΩx2	36-155
(1)-P901.902	EJ249333	Micro Connector 4P Plug W-PO504	42-104
(1)-P903	EJ302984	Micro Connector 3P Plug W-PO503	42-104
(1)-R74.75	ER305722	Metal Oxide Film/R. (Homing Type) 2W 220 ohms(J)	35-11-22
(1)-R76	ER306416	Metal Oxide Film/R. (Homing Type) 2W 270 ohms(J)	35-11-22
(1)-VC1.2	EC458202	Trimmer/C. TM-80A 80PF	24-2-26

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

(2) AMP P.C BOARD (LE-5701A) BLOCK (GX-4000DB)

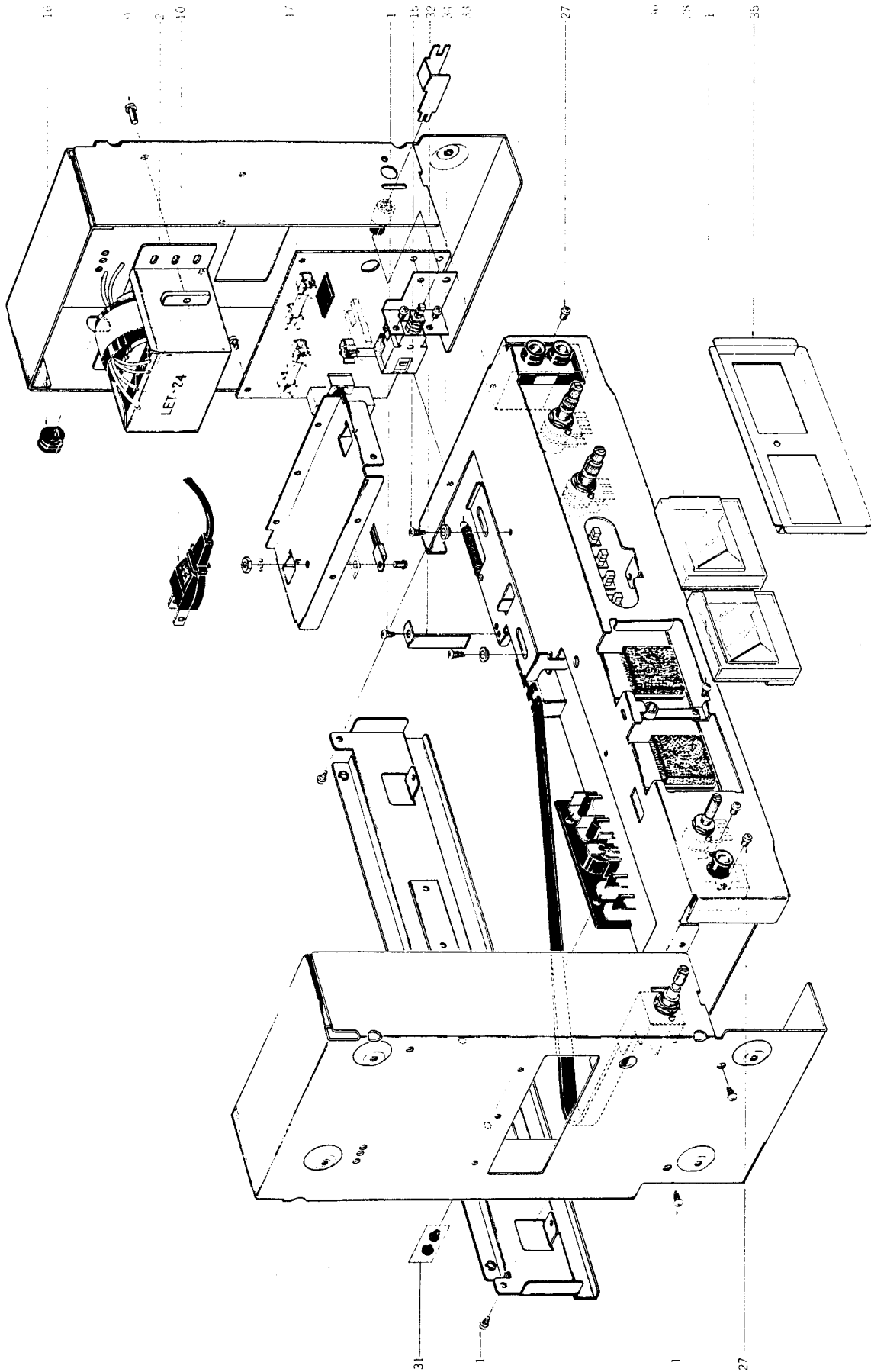
Symbol No.	Parts No.	Description	Schematic No.
(2)-1	BA307132	Amp P.C Board Comp. GX-4000DB	45-225
(2)-HC1.2	E1301463	IC CR-713B	45-235
(2)-HC3	E1306141	IC LA4170	45-235
(2)-TR1	ET391768	Transistor 2SC458L(G)(C)(D)	45-129
(2)-TR2	ET603257	Transistor 2SC1312S(G)(H)	45-182
(2)-TR3	ET663243	Transistor 2SC1312S(G)(H)	45-182
(2)-TR4	ET399870	Transistor 2SC711(G)	45-187
(2)-TR5	ET391768	Transistor 2SC458L(G)(C)(D)	45-129
(2)-TR6	ET603257	Transistor 2SC1312S(G)(H)	45-182
(2)-TR7	ET301464	FET 2SK68(V)(N)	45-124
(2)-TR8.9	ET368021	Transistor 2SC458(B)(C)	45-126
(2)-TR10	ET375603	Transistor 2SC945L(Q)(P)	45-185
(2)-TR11.12	ET639437	Transistor 2SC945L(Q)(P)	45-185
(2)-D1.2	ED219464	Germanium Diode 1N34A	45-31
(2)-D3.65	ED24903	Silicon Diode 1S2473	45-328
(2)-D6	ED310387	Zener Diode HZ12B-2	45-690
(2)-D7.8	ED19464	Germanium Diode 1N34A	45-31
(2)-D8	ED309120	Dolby Filter D07-003	53-143
(2)-FL1	ER307182	Low Pass Filter 12A-938	53-127
(2)-FL2	ER309119	Dolby Filter D07-001	53-143
(2)-FL3	ER309119	Dolby Filter D07-001	53-143
(2)-L1	EO301711	Inductor RX-9P 3.3mH(H)	23-125
(2)-L2	EO301448	Inductor 45H-044 1 mH	23-277
(2)-L3.4	EO482905	Ferrit Inductor FL9H 220µH(J)	23-14
(2)-T1	EO383365	Osc Coil OT-204	23-420
(2)-VR1	EV306293	Double axial 2 throw Vol. DM10R589A 50 kΩx2	36-18-12
(2)-VR2	EV306981	Double axial 2 throw Vol. (W/SW.) DM13E531A-UER42 50 kΩx2	36-54
(2)-VR3	EV520806	Semi-fixed/Vol. V8K4-1 10 kΩ	36-10-266
(2)-VR4	EV464220	Semi-fixed/Vol. V8K4-1 50 kΩ	36-10-266
(2)-VR5	EV478686	Semi-fixed/Vol. V8K4-1 1 kΩ	36-10-266
(2)-VR6	EV306446	Single axial 2 throw Vol. GM70R706C 10 kΩx2	36-155
(2)-J1	EJ306289	4P Pin Jack	31-291
(2)-J2	EJ306290	Headphone Jack JL3A	31-292
(2)-J3	EJ306290	Headphone Jack JL3A	31-292
(2)-SW1	ES306291	Remote SW. SE-S243B	25-27
(2)-SW2	ES494302	Slide SW. CL104B	25-379
(2)-SW3	ES307163	Remote SW. SE-S243B	25-27
(2)-SW5	ES306292	Leaf SW. BSW-86	25-10-31
(2)-P1.2	EJ249333	Micro Connector 4P Plug W-PO504	42-104
(2)-P3	EJ302984	Micro Connector 3P Plug W-PO503	42-104
(2)-VC1.2	EC58202	Trimmer/C. TM-80A 80PF	24-2-26
(2)-C1	EC307167	Elect./C. (LL, Homing Type) 100F 16VW	24-20-18
(2)-C3	EC306986	Styro/C. (Homing Type) 220PF(K) 50VW	24-11-14
(2)-C5	EC307243	Elect./C. (LL, Homing Type) 2.2µF 50VW	24-20-18
(2)-C21	EC619650	Solid Aluminum/C. (Vert. Type) 0.1µF(K) 25VW	24-19-2
(2)-C22	EC604102	Solid Aluminum/C. (Vert. Type) 0.33µF(K) 25VW	24-19-2
(2)-C30	EC306420	Styro/C. 750PF(J) 50VW	24-11-14
(2)-C35	EC306438	Styro/C. 100PF(J) 50VW	24-11-14
(2)-C36	EC307167	Elect./C. (LL, Homing Type) 10µF 16VW	24-20-18
(2)-C37	EC250672	Elect./C. (Vert. Type) 47µF 16VW NL	24-20-4

When ordering parts, please describe Parts Number, Description, and Model Number in detail.

(3) POWER SUPPLY P.C BOARD  
(LE-5802/LE-5702) BLOCK

Symbol No.	Parts No.	Description	Schematic No.
(3)-1	BA 306543	Power Supply P.C Board Comp. GX-4000D (U/T)	LE-5805
(3)-2	BA 306544	Power Supply P.C Board Comp. GX-4000D (JPN)	LE-5806
(3)-3	BA 306545	Power Supply P.C Board Comp. GX-4000D (CSA, AAL)	LE-5805
(3)-4	BA 306547	Power Supply P.C Board Comp. GX-4000D (CEE, UK)	LE-5805
(3)-5	BA 307124	Power Supply P.C Board Comp. GX-4000D(U/T)	LE-5711
(3)-6	BA 307125	Power Supply P.C Board Comp. GX-4000DB (CSA, AAL)	LE-5711
(3)-7	BA 307126	Power Supply P.C Board Comp. GX-4000DB	LE-5711
(3)-TR1	ET 537309	Transistor 2SD361(D)(E)	LE-5711
(3)-TR1	ET 575603	Transistor ZSC1061(B)(C) (DB)	45143
(3)-TR2	ET 507234	Transistor ZSC1815(Y)(GR) (DB)	45196
(3)-D1	ED 306423	Silicon Diode B1P-1	45129
(3)-D2	ED 306469	Zener Diode 05Z-22L	45277
(3)-D2	ED 307236	Zener Diode HZ22-1 (DB)	45676
(3)-SW1	ES 655806	Push SW. SDG1P (U/T, JPN)	45680
(3)-SW1	ES 665875	Push SW. SDG-1P U/L (U/T, JPN)	255187
(3)-SW1	ES 665807	Push SW. SDG-5P 5A/80A 250V (CSA, AAL)	255188
(3)-SW2	ES 258232	Slide SW. S-2930 (CEE, UK)	255182
(3)-VS1	MZ 283140	Voltage Changer (U/T, JPN)	253129
(3)-C1	EC 249750	Elect./C. (Vert. Type) 12M-60031 (U/T)	40213
(3)-C6	EC 551160	1000uF 50WV Ceramic/C. DB821 N.A	241216
(3)-C6	EC 294118	0.01uF(Z) 1.4 KWV (U/T, JPN)	24555
(3)-C6.7	EC 301320	Ceramic/C. DPN6600 YM 0.01uF(P) 125V (CSA, AAL)	24570
(3)-8	ZS 417216	MIP/C. 4700PF(N) 250WV (CEE, UK)	249122
(3)-9	TC 289484	Screw, pan head 3x4	
(3)-10	ZW 273802	SW. Joint	CW-8015
(3)-11	ZS 666136	Toothed Lock Washer, M3 Tapping Screw #2, 3x8 (Pan)	
(3)-12	ZS 421806	Screw, pan head 3x8	
(3)-13	ZW 516611	Nut, M3	
(3)-14	EZ 209215	Insulator Bush B308D	
(3)-15	ZS 793150	Screw, pan head 3x6 (DB)	45167
(3)-16	ZS 447840	Tapping Screw #2, 3x8 (BR)	

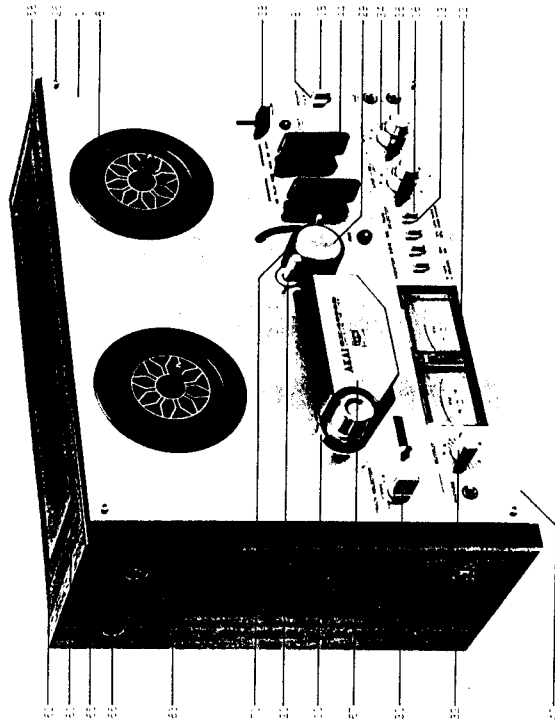
# 9. ILLUSTRATION OF POWER/AMP ASSEMBLY BLOCK



9) POWER/AMP ASSEMBLY BLOCK

Ref. No.	Parts No.	Description	Schematic No.
<b>POWER SUPPLY BLOCK</b>			
9-1	ZS325895	Tapping Screw #2, 3x6 (BR)	
9-2	BT306441	Power Trans. LET-24 (D-U/T)	38-4573
9-3x	BT306439	Power Trans. LET-21 (D-JPN)	38-4570
9-4x	BT306440	Power Trans. LET-22 (D-CSA, AAL)	38-4571
9-5x	BT306442	Power Trans. LET-23 (D-CEE, UK)	38-4572
9-6x	BT307232	Power Trans. LET-25 (DB-U/T)	38-4574
9-7x	BT307231	Power Trans. LET-26 (DB-CSA, AAL)	38-4575
9-8x	BT307233	Power Trans. LET-27 (DB-CEE, UK)	38-4576
9-9	ZS413701	Screw, pan head 4x8	
9-10	EW306428	AC Cord (U/T)	26-144
9-11x	EW306427	AC Cord (JPN)	26-143
9-12x	EW306429	AC Cord CUL (CSA, AAL)	26-145
9-13x	EJ301513	2P Inlet (CEE, UK)	31-120
9-14x	ES306430	Slide SW. J-S4013#01 (CEE, UK)	25-142
9-15x	ZS447840	Tapping Screw #2, 3x8 (BR) (CEE, UK)	
9-16	EZ631945	Strain Relief SR-4N-4 (U/T, JPN, CSA, AAL)	27-49
9-17	EF69507	Fuse 1A 250V (D-U/T, CSA, AAL) (DB-CSA)	38-136
9-18x	EF214727	Fuse SS-2 0.5A 250V (D-U/T, CSA, AAL) (DB-CSA)	38-136
9-19x	EF563681	Fuse 1A 250V (D-JPN)	38-130
9-20x	EF563670	Fuse 0.5A 250V (D-JPN)	38-130
9-21x	EF695766	Fuse (SEMKO I Type) 315mA (D-CEE, UK)	38-133
9-22x	EF668474	Fuse (SEMKO I Type) 400mA (D-CEE, UK)	38-133
9-23x	EF258344	Fuse (SEMKO I Type) 800mA (DB-CEE, UK)	38-133
9-24x	EF593706	Fuse (SEMKO I Type) 500mA (DB-CEE, UK)	38-133
9-25x	EF258344	Fuse (SEMKO I Type) 800mA (DB-CEE, UK)	38-133
<b>AMP ASSEMBLY BLOCK</b>			
9-26x	ZW273802	Toothed Lock Washer, M3	
9-27	ZS422076	Screw, pan head 3x5	
9-28	EM306433	VU Meter D18C45R	46-1202
9-29x	EM306432	VU Meter D18C43R (D-JPN)	46-1201
9-30x	EM306434	VU Meter D18C44R (BL)	46-1201
9-31	ZW263946	Nylon Rivet 4x5	27-57
9-32	ZG306242	Plate Spring	LE-5706
9-33	ZG644848	PR Spring	CA-1081
9-34	ZIV306252	Graduated Washer	LE-5713
9-35	ML306265	Meter Base (B) (GX-4000D)	LE-5706/5707
<b>LED PC BOARD BLOCK</b>			
9-36	ED249377	LED GL-3AR1	45-1514
9-37x	ED283138	LED GL-3PG1 (DB)	45-1515

### 10. PHOTO OF FINAL ASSEMBLY BLOCK



### 10) FINAL ASSEMBLY BLOCK

Ref. No.	Parts No.	Description	Schematic No.
10-1	BD306566	FRONT PANEL BLOCK Front Panel Block Comp.	
10-2x	BD306567	Front Panel Block Comp.	GX-4000D
10-3x	BD307116	Front Panel Block Comp.	GX-4000D-BL
10-4x	BD307117	Front Panel Block Comp.	GX-4000DB
10-5x	ZW306646	Nylon Rivet 3x3.5 (Nylon)	
10-6	SZ306214	Reel Table Ring	27-54
10-7x	SZ306215	Reel Table Ring (BL)	LE-638
10-8	SE306216	Escrutcheon	LE-633
10-9x	SE306217	Escrutcheon (BL)	LE-635
10-10	SC306257	Head Cover Base	LE-611
10-11x	SC306258	Head Cover Base (BL)	LE-611
10-12x	ZW260370	Nylon Rivet 3.4x5.5	27-56
10-13	SZ306222	Button Housing	LE-632
10-14x	SZ306223	Button Housing (BL)	LE-632
10-15x	ZG306233	Spring	LE-624
10-16	SB306220	Button (B)	LE-623
10-17x	SB306221	Button (B-BL)	LE-633
10-18	SB306218	Button (A)	LE-626
10-19x	SB306219	Button (A-BL)	LE-626
10-20	MZ301555	Metal Cap	LE-607
10-21x	MZ306436	Metal Cap (BL)	LE-607
10-22	ML306265	Meter Base (B)	LE-606-607
10-23x	ML307217	Meter Base (A) (DB)	LE-606-607
10-24x	ML306448	Meter Base (B-BL)	LE-606-607
10-25x	ML307218	Meter Base (A-BL) (DB)	LE-606-607
10-26	ZS613901	Panel Screw	CW-6031
10-27x	ZS306435	Panel Screw (C)	CW-6031
10-28x	MH306232	Head Cover Prop	LE-631
10-29	SK583132	Pinch Roller Cap (B) Part LE-3	MS-6000
10-30	SK306226	Knob (B)	LE-627
10-31x	SK306227	Knob (B-BL)	LE-627
10-32	SK306334	Knob (A) LE-8	LE-625
10-33x	SK306334	Knob (A-BL) LE-8	LE-625
10-34	SK306335	Double Knob (Lower) LE-8	LE-625
10-35x	SK306336	Double Knob (Lower-BL) LE-8	LE-625
10-36	SK306337	Double Knob (Upper) LE-8	LE-622
10-37x	SK306338	Double Knob (Upper-BL) LE-8	LE-622
10-38	SK259345	Pause Knob (C) Part MU-3	MR-62
10-39x	SK287280	Pause Knob (D) Part MU-3(BL)	MR-62
10-40	SP306266	Lower Cover (A)	LE-628
10-41x	SP306267	Lower Cover (B) (AAL)	LE-628
10-42x	SA306240	Rubber Foot (B)	LE-628
10-43x	ZS306463	S Tight Screw, 3x8 (Pan) w/flange	LE-610
10-44	SK306316	Mecha Knob MU-3	MU-6003
10-45x	ZS253405	Mecha Knob Screw SWRM-3	7-146
10-46x	SK287291	Mecha Knob (B) Part MU-3 (BL)	MU-6003
10-47x	SP306278	Rear Panel (D) (D-U/T)	LE-616-6804
10-48x	SP306275	Rear Panel (C) (D-CSA)	LE-616-6801
10-49x	SP306277	Rear Panel (E) (D-AAL)	LE-616-6802
10-50x	SP306279	Rear Panel (F) (D-CEE, UK)	LE-616-6805
10-51x	SP307223	Rear Panel (G) (DB-U/T)	LE-616-6719
10-52x	SP307222	Rear Panel (H) (DB-CSA)	LE-616-6718
10-53x	SP307221	Rear Panel (I) (DB-AAL)	LE-616-6717
10-54x	SP307224	Rear Panel (J) (DB-CEE, UK)	LE-616-6720

Ref. No.	Parts No.	Description	Schematic No.
10-56x	ZS297641	Tapping Screw = 2.3x8 (Blind) W=10	
10-57x	ZS325495	Tapping Screw = 2.3x6 (BR)	
10-58	SP306262	Upper Cover (A)	LE-6703
10-59x	SP306263	Upper Cover (B) (AAL)	LE-6703
10-60x	ZW305006	Nylon Rivet 4x5	27-58
10-61	SZ480712	Dust Cover Pin	LE-6024
10-62	ZSS37006	Screw, binding head 4x8	LE-6701
10-63	SP306273	Side Board	LE-6701
10-64x	SP306274	Spot Facing Washer	MU-6003
10-65	ZW548010	Screw, binding head 4x20	
10-66	ZS328195	Head Cover Assy GX-4000D	LE-6807
10-68x	SC306565	Head Cover Assy GX-4000D-BL	LE-6807
10-69x	SC307118	Head Cover Assy GX-4000DB	LE-6807
10-70x	SC307119	Head Cover Assy GX-4000DB-BL	LE-6807

10-71	MP304794	Pinch Roller Part LS	3A-348
10-72x	ZW376391	Washer (Polyslider) D6.1x10x0.13t	
10-73x	ZS413201	Screw, pan head 4x8	



11. LIST OF INTERCHANGEABLE SEMICONDUCTORS

If, while servicing, the original parts cannot be obtained, the interchangeable parts listed below can be substituted.

Table with columns: Description, Original Parts (Parts No., Utilizing P.C. Board), Interchangeable Parts (Description, Parts No.), and various alphanumeric codes.

Table with columns: Ref. No. & Symbol No., Parts No., Ref. No. & Symbol No., Parts No., Ref. No. & Symbol No., Parts No., Ref. No. & Symbol No., Parts No., Ref. No. & Symbol No., Parts No., Ref. No. & Symbol No., Parts No.

# INDEX

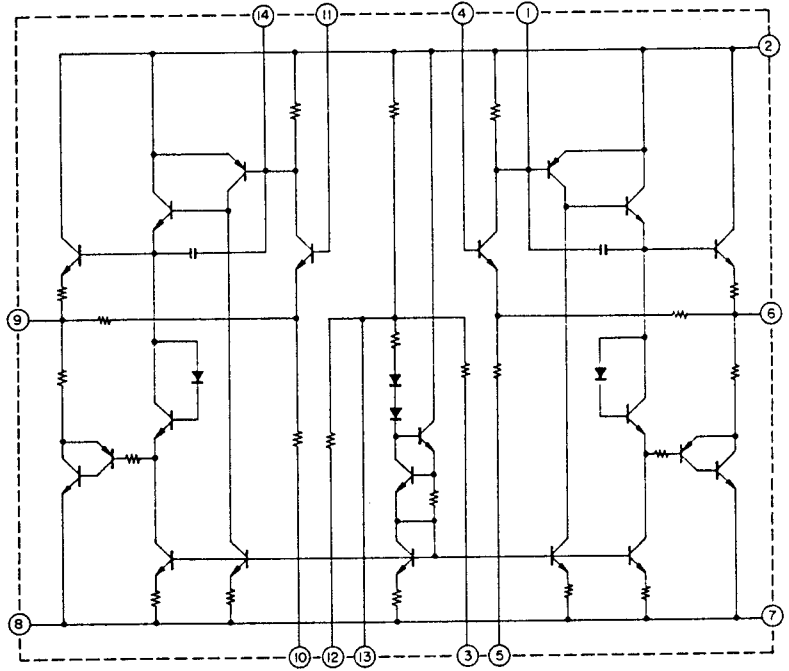
Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.	Parts No.	Ref. No. & Symbol No.
ZS419670 2-21	ZW413267 6-22	ZS424056 7-10	ZW418010 10-65	ZS427028 3-10	ZW418010 10-65	ZS427028 3-10	ZW418010 10-65
ZS419670 7-73	ZW413267 7-11x	ZS427028 3-9	ZW418010 4-25	ZS427028 3-9	ZW418010 4-25	ZS427028 3-9	ZW418010 4-25
ZS421806 2-9	ZW413278 5-10	ZS444330 2-28	ZW601075 7-78x	ZS444330 2-28	ZW601075 7-78x	ZS444330 2-28	ZW601075 7-78x
ZS421806 4-36x	ZW420682 2-14	ZS447840 7-8x	ZW649991 7-80x	ZS447840 7-8x	ZW649991 7-80x	ZS447840 7-8x	ZW649991 7-80x
ZS421806 (3)-12	ZW432347 6-21	ZS447840 (3)-16		ZS447840 (3)-16		ZS447840 (3)-16	
ZS422076 3-16x	ZW432347 7-18	ZS447840 9-15x		ZS447840 9-15x		ZS447840 9-15x	
ZS422076 3-18	ZW437804 4-31	ZS460440 2-19		ZS460440 2-19		ZS460440 2-19	
ZS422076 7-24	ZW447208 5-4	ZS464692 2-16		ZS464692 2-16		ZS464692 2-16	
ZS422076 9-27	ZW451661 2-8	ZS477876 2-31		ZS477876 2-31		ZS477876 2-31	
ZS424056 3-11	ZW516611 (3)-13						
ZS424056 7-10	ZW518010 10-65						
ZS427028 3-10	ZW543972 4-25						
ZS427028 3-9	ZW601075 7-78x						
ZS444330 2-28	ZW649991 7-80x						
ZS447840 7-8x							
ZS447840 (3)-16							
ZS447840 9-15x							
ZS460440 2-19							
ZS464692 2-16							
ZS477876 2-31							
ZS537006 10-62							
ZS558101 2-4							
ZS558101 6-4							
ZS558101 7-38							
ZS593177 3-15							
ZS600816 3-15							
ZS600816 7-8x							
ZS600816 3-24							
ZS608275 7-63							
ZS608221 7-63							
ZS613901 10-26							
ZS666336 (3)-11							
ZS687176 5-2							
ZW231693 4-25							
ZW231805 7-64							
ZW259942 7-31							
ZW260010 7-59							
ZW260021 4-26							
ZW260043 4-29x							
ZW260054 4-14							
ZW260054 7-22							
ZW260065 4-15x							
ZW260076 6-12x							
ZW260098 4-16x							
ZW260111 6-13x							
ZW260111 7-49x							
ZW260133 6-7							
ZW260133 7-62x							
ZW260144 6-11x							
ZW260370 10-12x							
ZW263946 9-31							
ZW269785 2-15							
ZW270000 4-33							
ZW273802 2-7							
ZW273802 (3)-10							
ZW273802 7-26x							
ZW273915 3-5x							
ZW273915 3-5x							
ZW283457 3-5x							
ZW283457 3-5x							
ZW283498 3-6x							
ZW283500 3-7x							
ZW283803 7-42x							
ZW285862 7-81							
ZW285873 5-9							
ZW290283 6-19							
ZW290283 6-27							
ZW290283 7-16							
ZW290294 7-21							
ZW305006 10-60x							
ZW306252 9-34							
ZW306464 2-22							
ZW306646 10-5x							
ZW321906 7-45x							
ZW322110 6-14x							
ZW322525 7-79x							
ZW326462 7-82							
ZW326462 7-82							
ZW326380 7-50x							
ZW326380 7-50x							
ZW376391 7-47							
ZW376391 10-72x							
ZW413188 7-4							

## SECTION 3

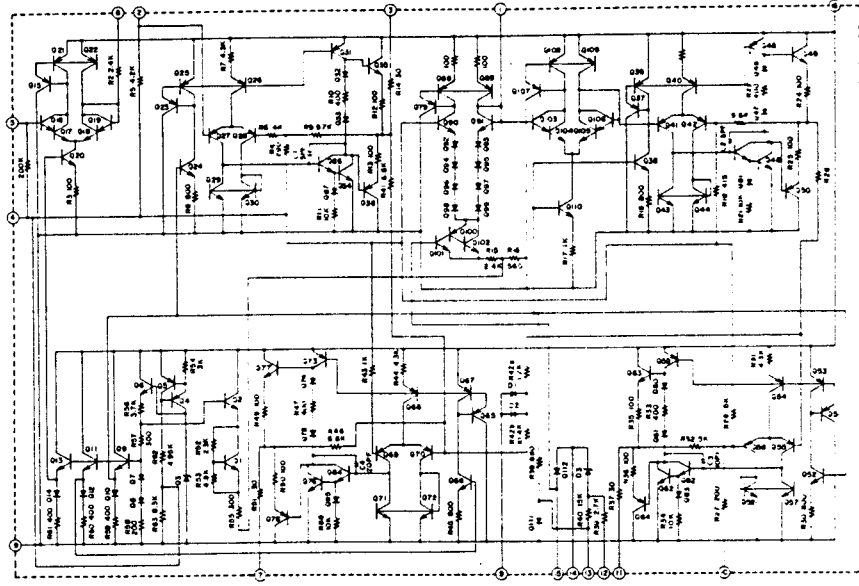
# SCHEMATIC DIAGRAM

1. GX-4000D NO. 2-1 1561840A SCHEMATIC DIAGRAM
2. GX-4000DB NO. 2-2 1561841A SCHEMATIC DIAGRAM

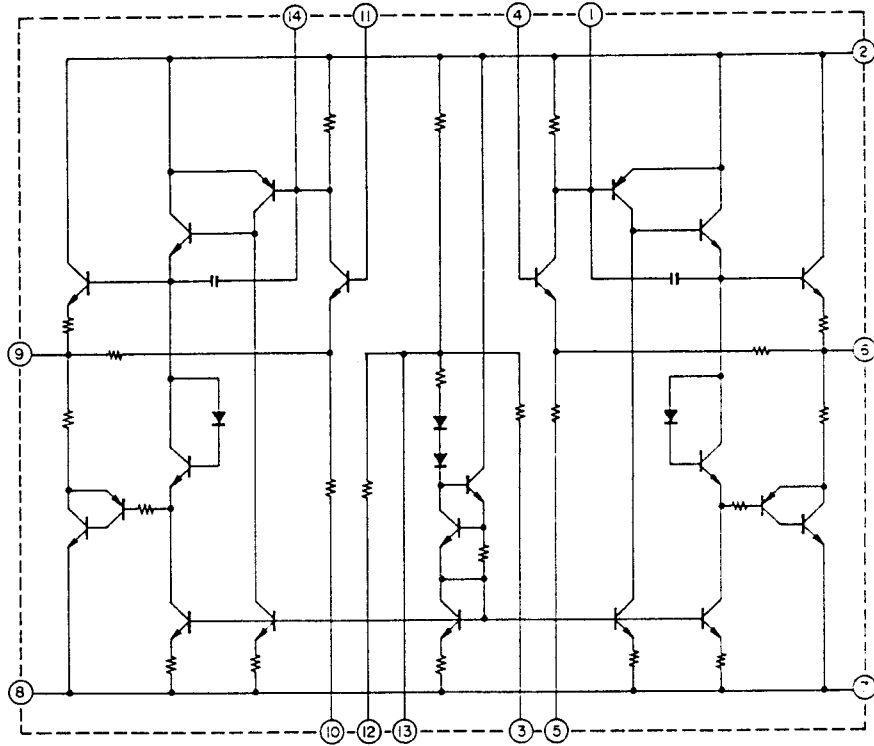
LA4170



# CR713B

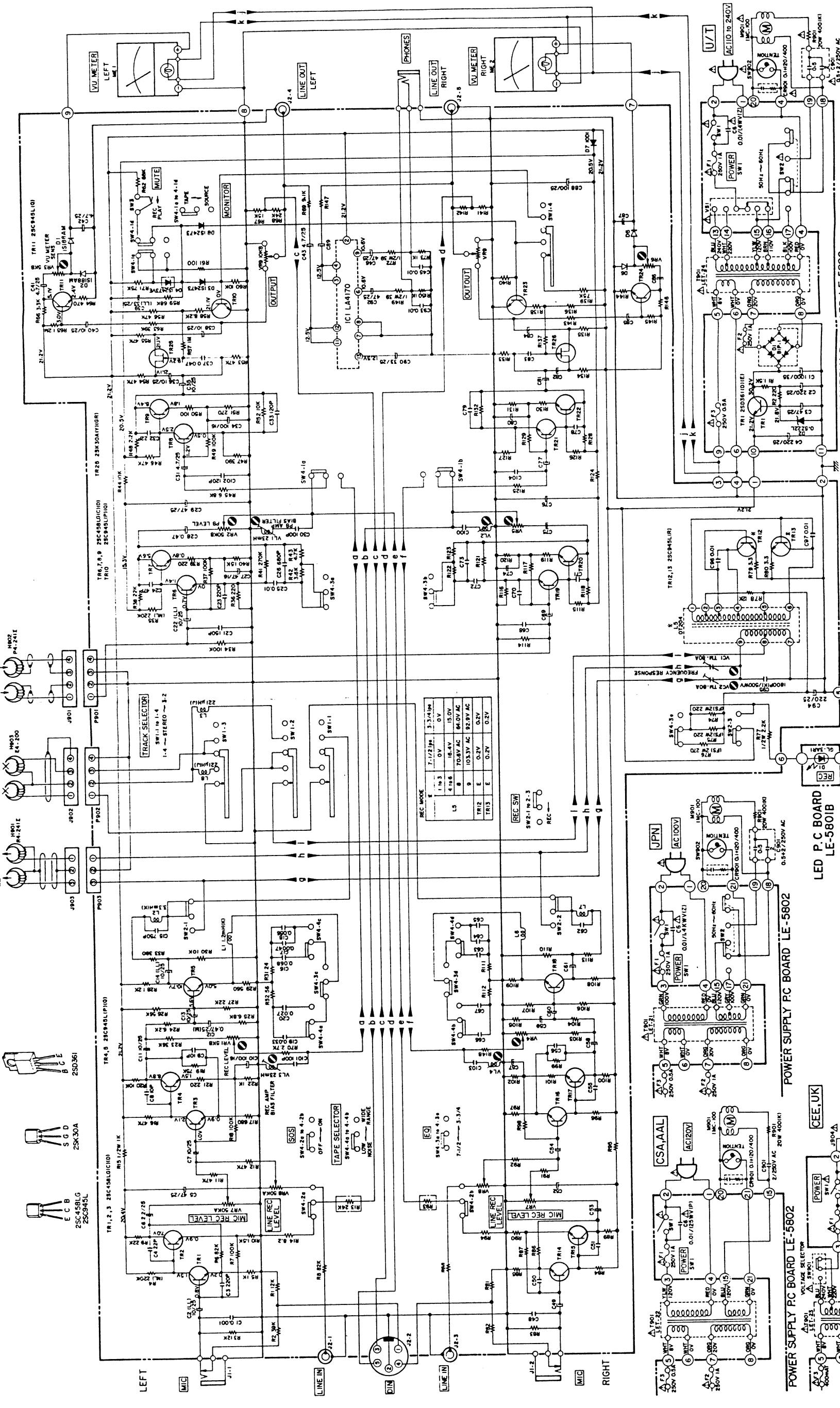
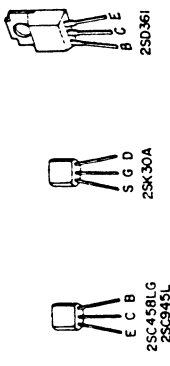


# LA4170



GX-4000D

REC HEAD LEFT RIGHT  
ERASE HEAD LEFT RIGHT  
PB HEAD LEFT RIGHT

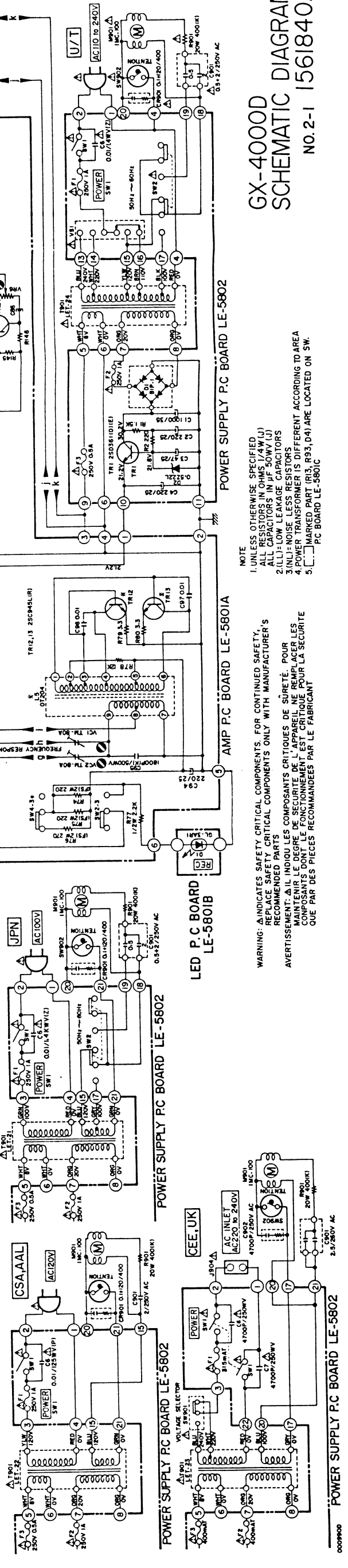


REC. MODE	1-1/2 IP	3-3/4 IP
L5	1.03	15.0V
L8	70.8V AC	84.0V AC
TR2	0.2V	0.2V
TR3	0.2V	0.2V

GX-4000D  
SCHEMATIC DIAGRAM  
NO.2-1 1561840A

NOTE  
1. UNLESS OTHERWISE SPECIFIED  
ALL RESISTORS IN OHMS 1/4W (J)  
ALL CAPACITORS IN MF 50WV (J)  
2. (L1)-(L5) LEAKAGE CAPACITORS  
3. (N1)-(N5) NOISE LEAKAGE CAPACITORS  
4. POWER TRANSFORMER IS DIFFERENT ACCORDING TO AREA  
5. [ ] MARKED PART (R13, R93, D4) ARE LOCATED ON SW.  
PC BOARD LE-5801C

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  
LE FONCTIONNEMENT DE L'APPAREIL. NE REMPLACEZ LES  
COMPOSANTS QUE PAR DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

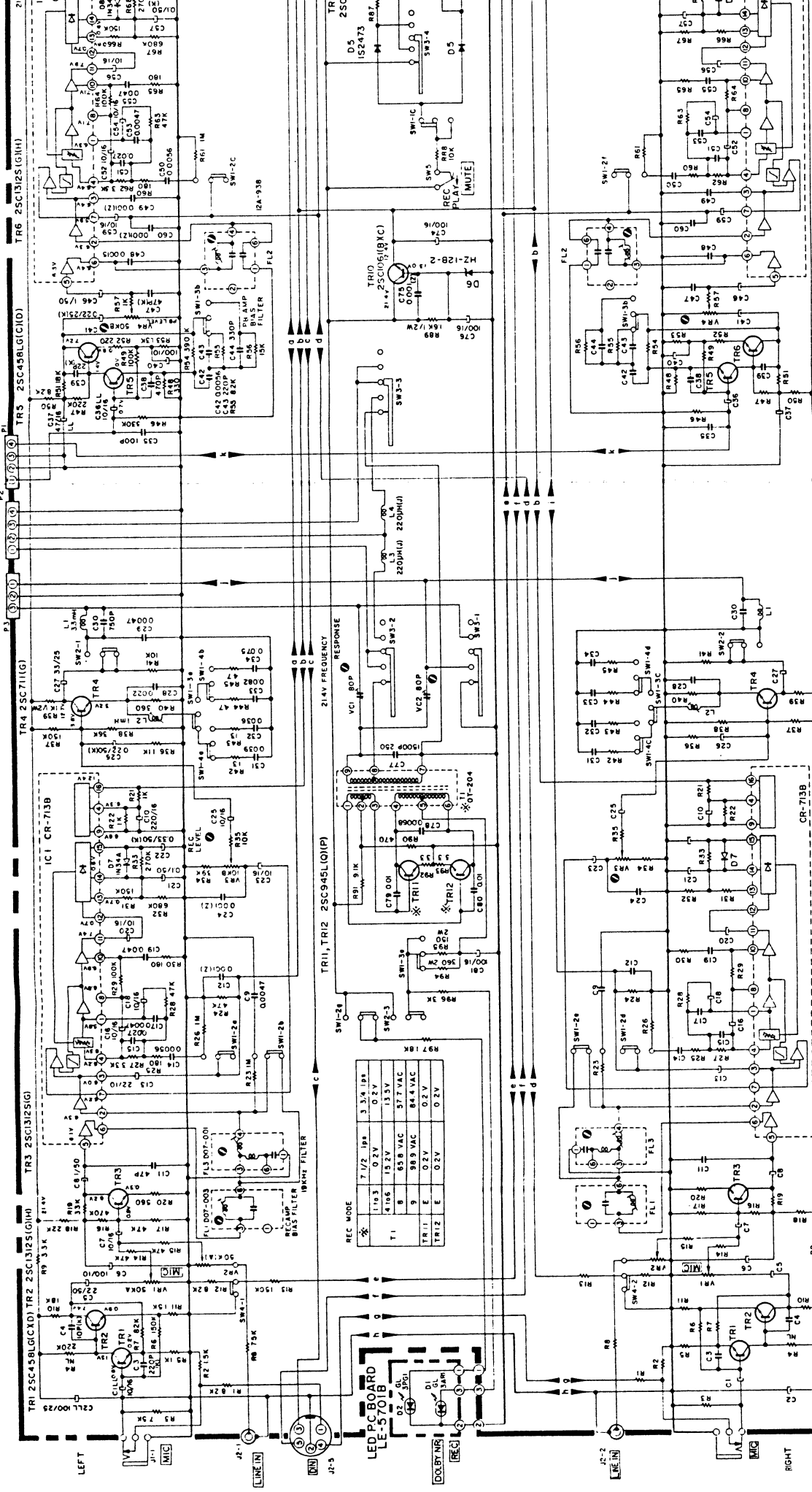


GX-4000DB

[REC HEAD] [ERASE HEAD] [PU HEAD]  
LEFT RIGHT LEFT RIGHT LEFT RIGHT

TAPE SOURCE  
TAPE SELECTOR

LOW  
MUSIC  
MUSIC  
MUSIC



AMP P.C BOARD LE-5TO1A