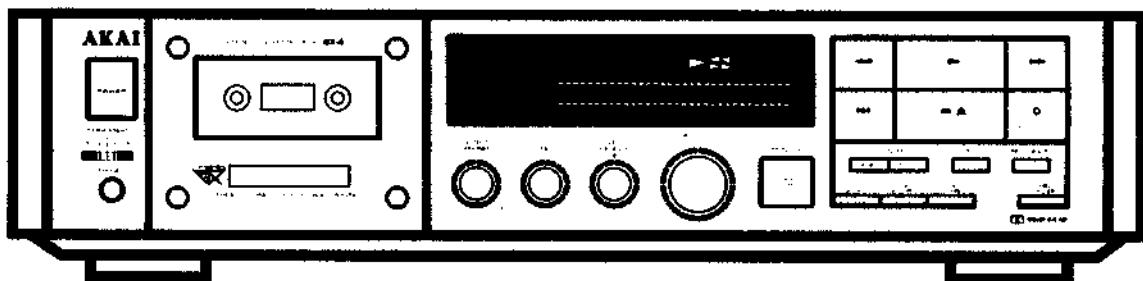
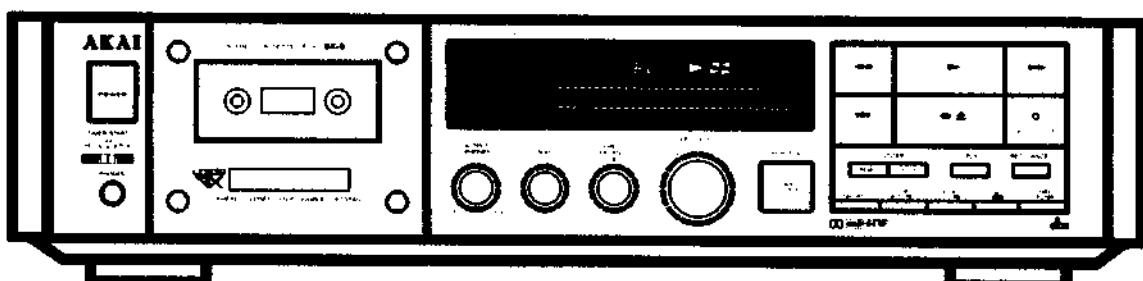


# AKAI SERVICE MANUAL



MODEL **GX-6**



MODEL **GX-8**

STEREO CASSETTE DECK

MODEL **GX-6**

MODEL **GX-8**

## ★SAFETY INSTRUCTIONS

### PRECAUTIONS DURING SERVICING

- Parts identified by the  symbol parts are critical for safety. Replace only with parts number specified.
- In addition to safety, other parts and assemblies are specified for conformance with such regulations as those applying to spurious radiation. These must also be replaced only with specified replacements.
- Examples: RF converters, tuner units, antenna selector switches, RF cables, noise blocking capacitors, noise blocking filters, etc.
- Use specified internal wiring. Note especially
  - Wires covered with PVC tubing
  - Double insulated wires
  - High voltage leads
- Use specified insulating materials for hazardous live parts. Note especially:
  - Insulation Tape
  - PVC tubing
  - Spacers (Insulating Barriers)
  - Insulation sheets for transistors
  - Plastic screws for fixing microswitch (especially in turntable)
- When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.), wrap ends of wires securely about the terminals before soldering.



- Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.).

- Check that replaced wires do not contact sharp edged or pointed parts.
- Also check areas surrounding repaired locations.
- Use care that foreign objects (screws, solder droplets, etc.) do not remain inside the set.

### SAFETY CHECK AFTER SERVICING

Confirm the specified insulation resistance between power cord plug prongs and externally exposed parts of the set is greater than 10 M ohms, but for equipment with external antenna terminals (tuner, receiver, etc.) and is intended for  or , specified insulation resistance should be headphone jacks line-in/out jacks etc. more than 2.2 M ohms (ground terminals, microphone jacks).

## I. SPECIFICATIONS

Model	GX-8	GX-6
Track system	4 track 2 channel stereo	4 track 2 channel stereo
Heads	Super GX head for recording × 1 Super GX head for playback × 1 Erase head × 1	Super GX head for recording × 1 Super GX head for playback × 1 Erase head × 1
Motors	Quartz P.I.L. direct drive motor for capstan drive × 1 DC motor for reel drive × 1 DC motor for cam and door drive × 1	Direct drive FG servo motor for capstan drive × 1 DC motor for reel drive × 1 DC motor for cam and door drive × 1
Wow & flutter	0.025% WRMS (JIS), 0.04% (DIN)	0.025% WRMS (JIS), 0.04% (DIN)
S/N (METAL)	60 dB (Measured via tape with 3% THD recording level) Dolby B type NR switch ON: Improves up to 5 dB at 1 kHz, 10 dB above 5 kHz Dolby C type NR switch ON: Improves up to 15 dB at 500 Hz, 20 dB at 1 kHz to 10 kHz	60 dB (Measured via tape with 3% THD recording level) Dolby B type NR switch ON: Improves up to 5 dB at 1 kHz, 10 dB above 5 kHz Dolby C type NR switch ON: Improves up to 15 dB at 500 Hz, 20 dB at 1 kHz to 10 kHz
Dynamic range	110 dB (dbx ON)	—
T.H.D.	Less than 0.6% (Metal)	Less than 0.6% (Metal)
Frequency response		
NORM	20 Hz to 19,000 Hz ± 3 dB	20 Hz to 19,000 Hz ± 3 dB
C <small>O<small>2</small></small>	20 Hz to 20,000 Hz ± 3 dB	20 Hz to 20,000 Hz ± 3 dB
METAL	20 Hz to 21,000 Hz ± 3 dB	20 Hz to 21,000 Hz ± 3 dB
Input sensitivity/Impedance		
LINE IN	70 mV/47 kohms	70 mV/47 kohms
Output sensitivity/Impedance		
LINE	388 mV/1 kohms	388 mV/1 kohms
PHONES	1.3 mW (8 ohms)/82 ohms	1.3 mW (8 ohms)/82 ohms
Power requirements	120 V, 60 Hz for USA & Canada 220 V, 50 Hz for Europe except UK 240 V, 50 Hz for UK & Australia 110 V/120 V/220 V/240 V, 50 Hz/60 Hz convertible for other countries	120 V, 60 Hz for USA & Canada 220 V, 50 Hz for Europe except UK 240 V, 50 Hz for UK & Australia 110 V/120 V/220 V/240 V, 50 Hz/60 Hz convertible for other countries
Dimensions	440 (W) × 111 (H) × 353 (D) mm (17.3 × 4.4 × 13.9 inches)	440 (W) × 111 (H) × 353 (D) mm (17.3 × 4.4 × 13.9 inches)
Weight	6.5 kg (14.3 lbs)	6.5 kg (14.3 lbs)

- For improvement purposes, specifications and design are subject to change without notice.
- "DOLBY" and double-D symbol are trademarks of DOLBY Laboratories Corporation. (Noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.)
- dbx is a trademark of dbx incorporated.

## ★INFORMATION

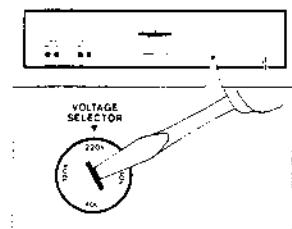
### SYMBOLS FOR PRIMARY DESTINATION

Alphabet indicates the destination of the units as listed below.

Symbol	Principal Destinations
A	USA
B	UK
C	Canada
E	Europe (except UK)
J	Japan
S	Australia
V	W. Germany (only)
U	Universal Area
Z	Custom version

### VOLTAGE CONVERSION (U Model only)

Before connecting the power cord, set the VOLTAGE SELECTOR located on the rear panel with a screwdriver so that the correct voltage is indicated

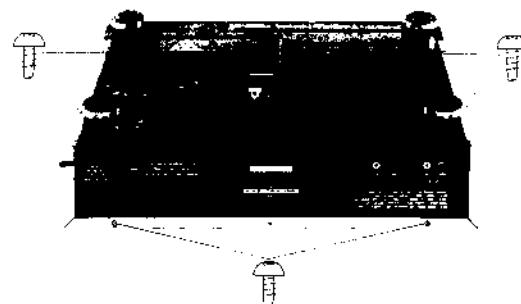


## II. DISMANTLING OF UNIT

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

\* Photographs apply to GX-8 model.

### 1. REMOVAL OF UPPER COVER



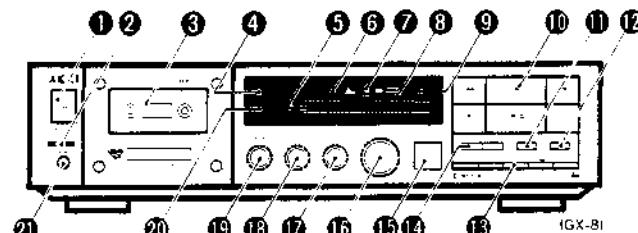
### 2. REMOVAL OF FRONT PANEL



\* Remove the cassette lid first then remove the front panel. (Turn on the Power and depress the Eject button.)

\* Remove the feet first then remove the front panel screws.

## III. CONTROLS



#### ① POWER Switch

To turn ON and OFF the power.

#### ② TIMER START selector

For absentee recording and timed playback.

#### ③ Cassette holder and cassette lid (Power assisted)

Load a cassette tape here. To open, press the STOP/EJECT CLOSE (■/△) button. To close, press once again.

Do not manually open this cassette holder, as it may damage your equipment.

#### ④ Digital counter and counter mode display (ELAPSED/REMAIN)

Tape counter shows tape running time, elapsed time and tape remaining time.

When the power is turned off, the digital counter resets to "0" and the mode is set for tape counter.

#### ⑤ Peak level meter and recording level guides

Shows playback and recording peak levels. The proper recording level is marked by fine dotted lines (recording level guides) visible on the peak meter, which vary according to tape position and type of noise reduction used.

#### ⑥ Noise reduction display DOLBY NR B, C and FILTER (GX-8 includes dbx noise reduction)

Shows which noise reduction is engaged and if MPX filter switch is engaged.

#### ⑦ Cassette deck mode display (REC, ▲, ▶, and ▶▶)

Shows cassette deck's operation mode (recording, playback or tape winding).

#### ⑧ IPLS display

Shows IPLS (Instant Program Locating System) is engaged.

#### ⑨ Monitor Mode display [TAPE/SOURCE]

Shows MONITOR switch mode.

#### ⑩ Operation buttons

STOP/EJECT CLOSE (■/△), REC PAUSE (●), Play (▶), AUTO MUTE (○), Rewind (◀) and Fast Forward (▶▶) buttons for playback and recording operations.

Do not attempt to open or close the cassette holder manually.

Press the STOP/EJECT CLOSE (■/△) button to open and close the cassette holder.

#### ⑪ IPLS button

To select playback with the PLS system.

#### ⑫ REC CANCEL button

To cancel recording and rewind tape to the first detectable blank space of tape. Convenient for re-recording a section of tape.

#### ⑬ Noise reduction selector (NR OFF, DOLBY B, DOLBY C, and MPX FILTER switch (dbx noise reduction on GX-8 only)

To select noise reduction for recording and playback purposes. The MPX FILTER switch eliminates bounces from FM stereo signals.

The NR OFF switch does not turn the MPX filter OFF; do so press the MPX filter switch once again.

#### ⑭ COUNTER RESET/MODE select button

To reset the digital counter to "0", and to change the display mode of the digital counter.

#### ⑮ MONITOR TAPE/SOURCE switch

To select the monitor mode either from a connected amplifier or through this cassette deck's headphones. This cassette deck is incorporated with an auto monitor system. If set for SOURCE and tape operation buttons (except AUTO MUTE button) are pressed, the MONITOR switch automatically changes to TAPE.

#### ⑯ REC LEVEL control

To set recording levels. The level adjustment is the same amount for both right and left channels.

#### ⑰ REC BALANCE control

To set the left and right channel balance of recording input levels.

#### ⑱ BIAS control

To set the recording bias current. The bias adjustment range is between -20% and +20% of the proper bias current of each tape position. If using a reference tape recommended for use with Akai cassette decks, set this control to the center click "0" position.

#### ⑲ OUTPUT/PHONES control

To adjust the output level of the cassette deck.

This control adjusts the LINE OUT and PHONES jack output levels.

#### ⑳ Tape position display (METAL, CrO<sub>2</sub>, NORM)

Shows position of the loaded cassette tape.

#### ㉑ PHONES jack

To listen through a pair of headphones, connect them to this jack.

## IV. PRINCIPAL PARTS LOCATION

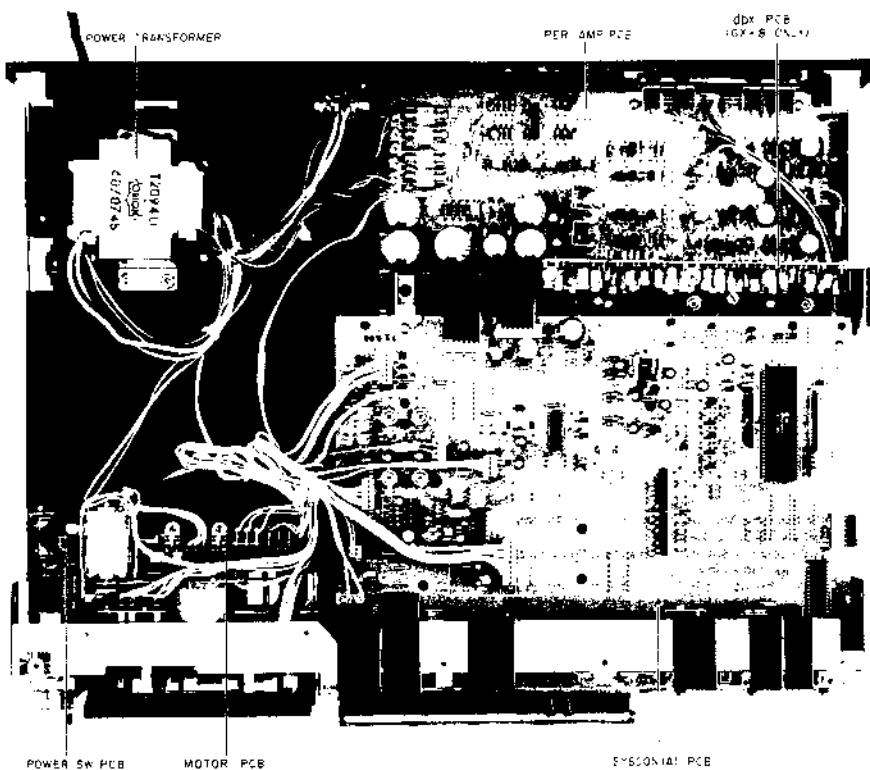


Fig. 4-1. Top View

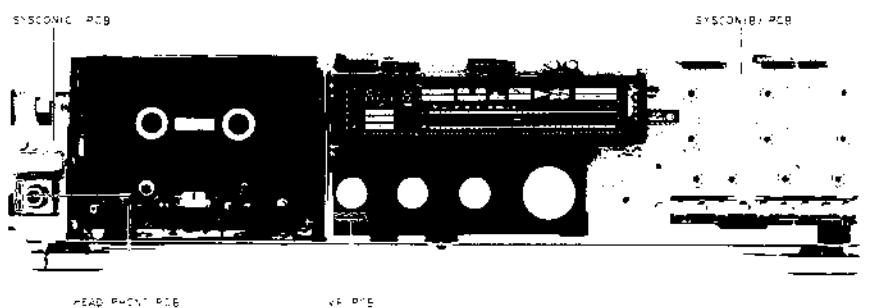


Fig. 4-2. Front View

## V. MECHANICAL ADJUSTMENT

### 5-1. PINCH ROLLER PRESSURE MEASUREMENT (Refer to Fig. 5-1)

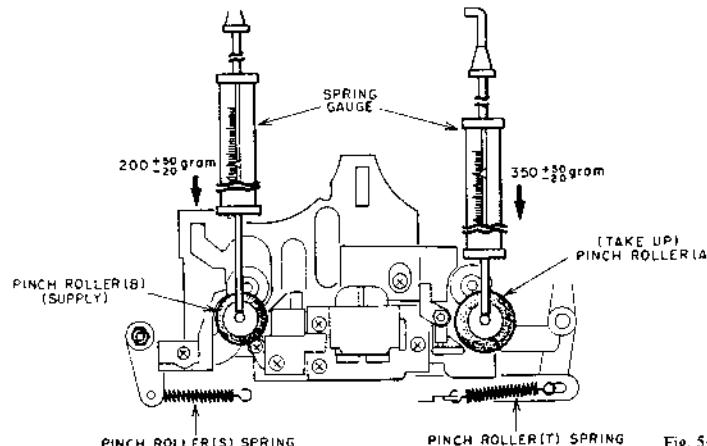


Fig. 5-1

Put in PLAY mode. Push pinch roller arm down with the spring gauge push the pinch roller 1 or 2 mm from the capstan and release slowly. Read the spring gauge at the moment the pinch roller touches the capstan and begins to rotate.

Specified pressure:  $350 \pm 50$  gram (Take up)

$200 \pm 50$  gram (Supply)

If there is no measurement obtained, replace the pinch roller spring.

### 5-2. WINDING TORQUE MEASUREMENT IN EACH MODE (Refer to Fig. 5-2)

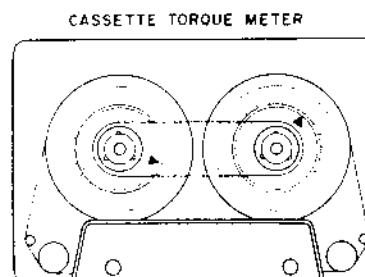


Fig. 5-2

Insert a cassette torque meter (AJ-751179) and measure in each mode. For Fast Forward and Rewind, measure at the end of the tape when the tape has stopped running.

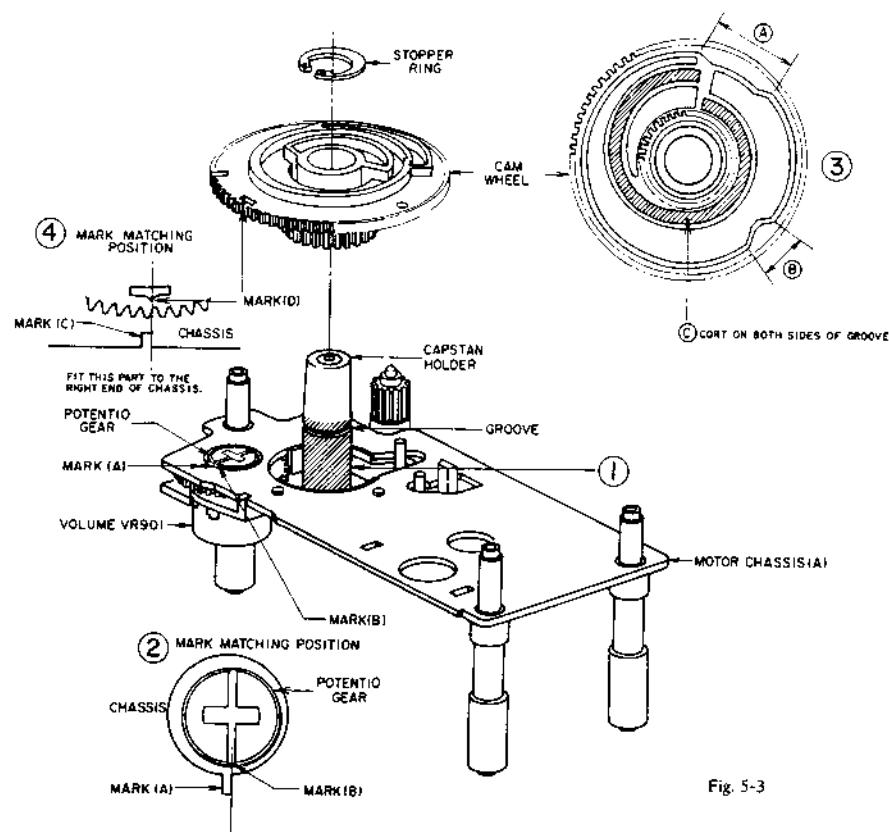
PLAY mode  
Take up Torque :  $40 \pm 20$  g-cm

Back tension torque :  $10 \pm 10$  g-cm

FAST FORWARD, REWIND mode

Take up Torque :  $120 \pm 130$  g-cm

### 5-3. HOW TO INSTALL VOLUME (VR 901) AND CAM WHEEL



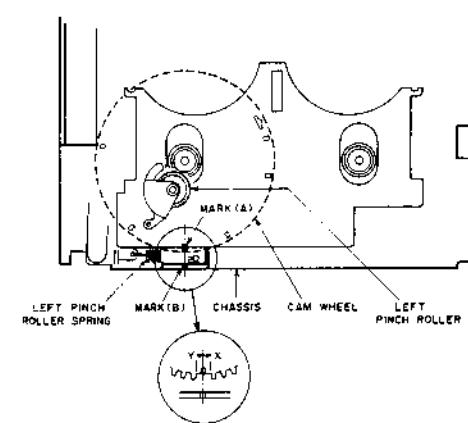
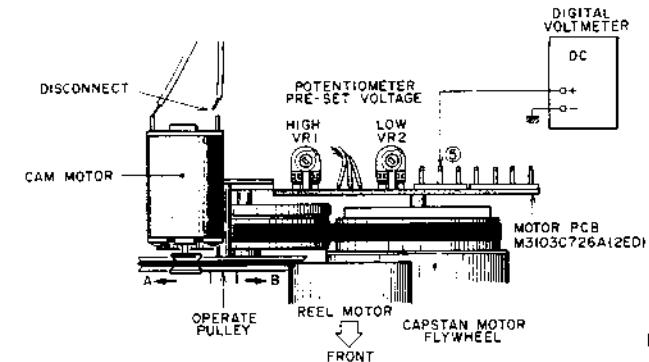
- 1) Apply Molybdenum coat on the capstan holder  
Apply Molybdenum coat on the area of 360° from the bottom to the upside 2mm of groove as shown in the figure. (Fig. 5-3-①)
- 2) Fitting position volume (potentio gear)  
Fit the right end of Mark (A) to the center of Mark (B) as shown in the figure. (Fig. 5-3-②)
- 3) Apply the Molybdenum coat on ④, ⑤ and ⑥ shown in Fig. 5-3-③.
- 4) Set the cam wheel on the capstan wheel (Ensure that the cam wheel and potentio gear are meshed properly).

When the cam wheel is set properly, fit the center of Mark (D) to the right end of Mark (C). (Fig. 5-3-④)  
5) Fit the stopper ring in the groove of the capstan holder.

#### CAUTIONS:

1. Make sure that the teeth on the periphery of cam wheel and the cam are absolutely free from any scratch, cut, etc.
2. Make sure that Molybdenum coat is applied on the specified area only.

### 5-4. POTENTIOMETER PRESET VOLTAGE ADJUSTMENT (Refer to Fig. 5-4 to 5-5)



#### 1) LOW VOLTAGE ADJUSTMENT

- a. With power OFF, remove the connecting cord of the cam motor and turn the operate pulley fully with your fingers in A direction. (EJECT DIRECTION)
- b. Connect the digital voltmeter as shown in Fig. 5-4.
- c. With power ON, adjust VR2 so that the voltage reading will be 0.94V (DC).

#### 2) HIGH VOLTAGE ADJUSTMENT

- a. With power OFF, turn the operate pulley fully with your fingers in B direction. (PLAY DIRECTION)
- b. With power ON, adjust VR1 so that the voltage reading will be 8.08V (DC).

#### 3) Repeat Items 1) and 2).

- 4) a. With Power OFF, connect the connecting cord of the motor.  
b. Remove the digital voltmeter.

#### 5) Remove the Cassette lid, Front panel and Bottom cover.

- 6) a. Set power to ON.
- b. Adjust VR1 slightly so that the center of Marker (A) coincides with the center of Marker (B) (should be within the range between X and Y) at STOP Mode as shown in Fig. 5-5.  
(The marker (STOP) on the CAM WHEEL can be seen clearly by lighting it from the back.)
- c. Set the IPLS switch to ON.
- d. Confirm that head and pinch rollers do not move up and down when the FF and REW switches are alternately depressed.
- e. Turn the reel with fingers in STOP Mode to check that the brake works sufficiently.  
When the brake acts normally, the take-up reel does not turn clockwise while the supply reel does not rotate counterclockwise.

## VI. HEAD ADJUSTMENT

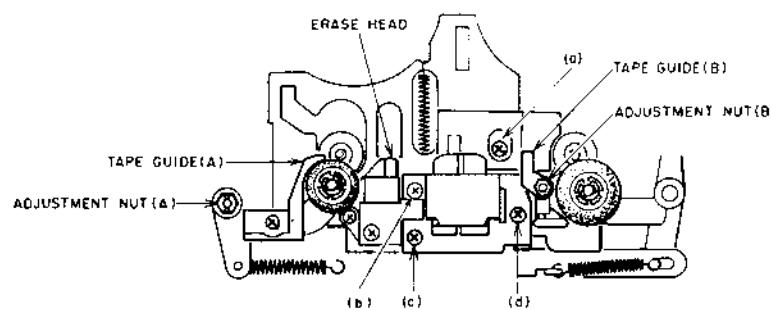


Fig. 6-1

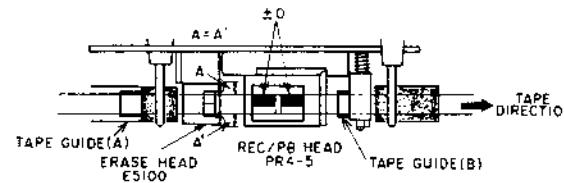


Fig. 6-2

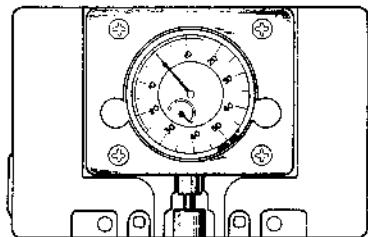


Fig. 6-3 Cassette Head Projection Gauge (AJ-751180)

### 6-3. REC/PB HEAD HEIGHT ADJUSTMENT

- 1) Set the mirror cassette tape and set to PLAY mode.
- 2) Adjust the screws (b), (c) and (d) so that the upper edge of REC/PB head Lcb core and the upper side of the tape is in alignment.
- 3) Playback the head height adjustment tape (4 Track 1.000Hz)(AT-750775), and fine-adjust the screws (b), (c) and (d) so that the largest output is obtained for both channels.

### 6-4. REC/PB HEAD AZIMUTH ALIGNMENT

- ADJUSTMENT
- 1) Playback a 10kHz Head Azimuth Alignment Tape (AT-750778) and adjust the screw (d) until the output levels of both channels are at maximum.
  - 2) Record a 10kHz, -26dBm signal from the audio frequency oscillator.
  - 3) Rewind and check for any fluctuation in the output level at playback.
  - 4) After adjustment, paint-lock the screws (b), (c) and (d).

NOTES: 1. Be sure to clean the heads prior to head adjustment.

2. Be careful not to use a magnetized driver 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.

### 6-1. REC PB HEAD PROJECTION ADJUSTMENT

Take off the LID CASE and set the cassette head projection gauge (AJ-751180) and set to PLAY mode. Loosen the screw (a) and adjust so that the gauge indication at that time will be  $3.2 \pm 0.1$  mm. After adjustment, apply paintlock on the screw (a).

### 6-2. TAPE GUIDE HEIGHT ADJUSTMENT

- 1) Set the mirror cassette tape (AJ-751178) and set to PLAY mode.
- 2) Adjust the tape guide (A) so that the parts of the erase head coming out of both sides of the tape (A and A' in Fig. 6-2 will be equal. For the adjustment, use the adjustment nut (A).
- 3) Adjust the tape guide (B) so that the tape runs smoothly and is not hitched by the tape guide. For the adjustment, use the adjustment nut (B).
- 4) After adjustment, paint-lock the adjustment nuts (A) and (B).

## VII. PRE AMP, SYSCON and dbx PCB ADJUSTMENT

### EXAMPLE

STEP	ADJUSTMENT ITEM
1.	TEST TAPE, SUPPLY SIGNAL
2.	MODE
3.	ADJUSTMENT PARTS
4.	RESULT/REMARKS

Test Point  
Adjustment Port

4. PB LEVEL
1. 315 Hz (AT-750773)
2. PB
3. VR102 (Lch), VR302b (Rch)
4. $-6.0 \pm 0.3\text{dBm}$

GX-8 ONLY	
16. dbx REC LEVEL	1. NORMAL blank tape. 315Hz, $-6.0\text{dBm}$ .
	2. REC/PB
	3. VR151 (Lch), VR151b (Rch).
	4. $-6.0 \pm 0.3\text{dBm}$ dbx SW ON. * See Note 2.

S. PB LEVEL 10kHz	
1.	10kHz (AT-750778)
2.	PB
3.	VR101 (Lch), VR101b (Rch)
4.	$-21.0 \pm 0.3\text{dBm}$

L. METER SENSITIVITY (0VU)	
1.	1kHz.
	Set the OSC output control, so that the LINE OUTPUT level is $\approx 6\text{dBm}$ .
2.	STOP, SOURCE MONITOR
3.	VR2 (Lch), VR4 (Rch)
4.	0VU segment light on. * See Note 2.

2. METER SENSITIVITY (-40VU)	
1.	1kHz.
	Set the OSC output control, so that the LINE OUTPUT level is $\approx 41.0\text{dBm}$ .
2.	STOP, SOURCE MONITOR
3.	VR3 (Lch), VR5 (Rch)
4.	$-40\text{VU}$ segment light on. * Repeat Step 1.

12. BIAS LEAK	
1.	BLANK tape. No signal.
2.	REC
3.	L242 (Lch), L242b (Rch) Connect a Millivolt Meter between TP3 (Lch), TP4 (Rch) and GND.
4.	minimum level of Millivolt Meter.

10. METAL POSITION FREQUENCY RESPONSE	
1.	METAL blank tape. 1kHz, 10kHz, $-26.0\text{dBm}$ .
2.	REC/PB
3.	VR352
4.	$-26.0 \pm 0.3\text{dBm}$ (1kHz, 10kHz) * See Note 2,3.

9. CrO <sub>2</sub> POSITION FREQUENCY RESPONSE	
1.	CrO <sub>2</sub> blank tape, 1kHz, 10kHz, $-26.0\text{dBm}$ .
2.	REC/PB
3.	VR351
4.	$-26.0 \pm 0.3\text{dBm}$ (1kHz, 10kHz) * See Note 2,3.

7. BIAS DIP POINT	
1.	NORMAL blank tape.
2.	REC
3.	T372.
4.	Connect a Digital DC voltmeter between TP1 (+), and TP2 (-). Minimum level of DC range. * Before this adjustment, set VR371 and VR371b shown Fig. 7-2

VR371 VR371b	
FRONT	FRONT

Fig. 7-2

6. BIAS FREQUENCY	
1.	METAL blank tape.
2.	REC
3.	T371
4.	Connect a frequency counter between P371 and GND. $10\text{kHz} \pm 0.1\text{kHz}$ * If this adjustment is not obtained, cut the C382 and repeat same adjustment. * See Note 2,3.

8. NORMAL POSITION FREQUENCY RESPONSE	
1.	NORMAL blank tape, 1kHz, 10kHz, $-26.0\text{dBm}$ .
2.	REC/PB
3.	VR371 (Lch), VR371b (Rch)
4.	$-26.0 \pm 0.3\text{dBm}$ (1kHz, 10kHz) * See Note 2,3.

11. REC LEVEL	
1.	NORMAL blank tape. 315Hz, $-6.0\text{dBm}$ .
2.	REC/PB
3.	VR241 (Lch), VR241b (Rch)
4.	$-6.0 \pm 0.2\text{dBm}$ * See Note 2,3.

13. MPX FILTER	
1.	1kHz, $-6.0\text{dBm}$
2.	STOP, SOURCE MONITOR
3.	FL151 (Lch), FL151b (Rch)
4.	Minimum level of Millivolt Meter. MPX, SW ON * See Note 2.

GX-8 ONLY	
1.	1. TEST TAPE, SUPPLY SIGNAL
2.	MODE
3.	ADJUSTMENT PARTS
4.	RESULT/REMARKS

SYSCON PCB	
1.	VR2
2.	VR4
3.	VR3
4.	VR5
5.	VR1

Fig. 7-3

15. dbx DECODER	
1.	NORMAL blank tape. 315Hz, $-6.0\text{dBm}$ .
2.	REC
3.	VR401
4.	Connect a Digital DC voltmeter between TP2 (+) and TP4 (-). 15mV, dbx SW ON. * See Note 2.

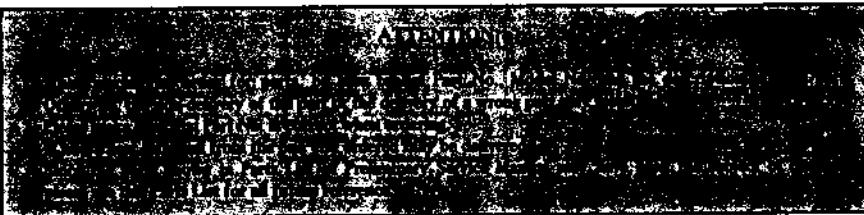
14. dbx ENCODER	
1.	NORMAL blank tape. 315Hz, $-6.0\text{dBm}$ .
2.	REC
3.	VR441
4.	Connect a Digital DC voltmeter between TP1 (-) and TP2 (-). 15mV. * dbx SW ON * See Note 2.

dbx PCB	
1.	VR401
2.	TP4
3.	TP3
4.	TP1 TP2

Fig. 7-4

NOTES 1. All Adjustments are without DOLBY, dbx, and MPX FILTER, but except STEP 14, 15, 16, 17.  
2. Controls setting:  
Output volume: Max. Rec balance: Center click position.  
Rec level volume: Max. Bias Adj. volume: Center click position.  
3. Use the following cassette measuring tape:  
NORMAL TAPE : MAXELL UDI C-60  
CrO<sub>2</sub> TAPE : TDK SA C-60  
METAL TAPE : TDK MA C-60

## VIII.PARTS LIST



### HOW TO USE THIS PARTS LIST

1. This Parts List lists those parts which are considered necessary for repairs. Other common parts, such as resistors and capacitors, are listed in the "Common List for Service Parts" from which these parts should be selected and stocked.
2. The Recommended Spare Parts List shows those parts in the Parts List which are considered particularly important for service.
3. Parts not shown in the Parts List and "Common List for Service Parts" will not in principle be supplied.
4. How to read the Parts List.

#### a) Mechanism Block

#### 2. HEAD BASE BLOCK

REF. NO.	PART NO.	DESCRIPTION
2-1x	BH-T2023A320A	HEAD BASE BLOCK
2-2	HP-H206A010A	HEAD R/P PR4-FU C
2-3	ZS-477876	FAN20x03STL CMT
2-4	ZS-536488	BID20x08STL CMT
2-5	ZG-402895	SP CS ANGLE ADJUST

— SP (Service Parts) Classification

— A small "x" indicates that this part is not shown in the Photo or Illustration.

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

— This number corresponds with the Figure Number.

The available PC Board Blocks are listed separately.

5. When Part No. is known, Parts Index at end of Parts List can be used to locate where that part is shown in Parts List by its Reference No. listed at right of Part No.

### WARNING

△ (\*) INDICATES SAFETY CRITICAL COMPONENTS. FOR CONTINUED SAFETY, REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURE'S RECOMMENDED PARTS.

### AVERTISSEMENT

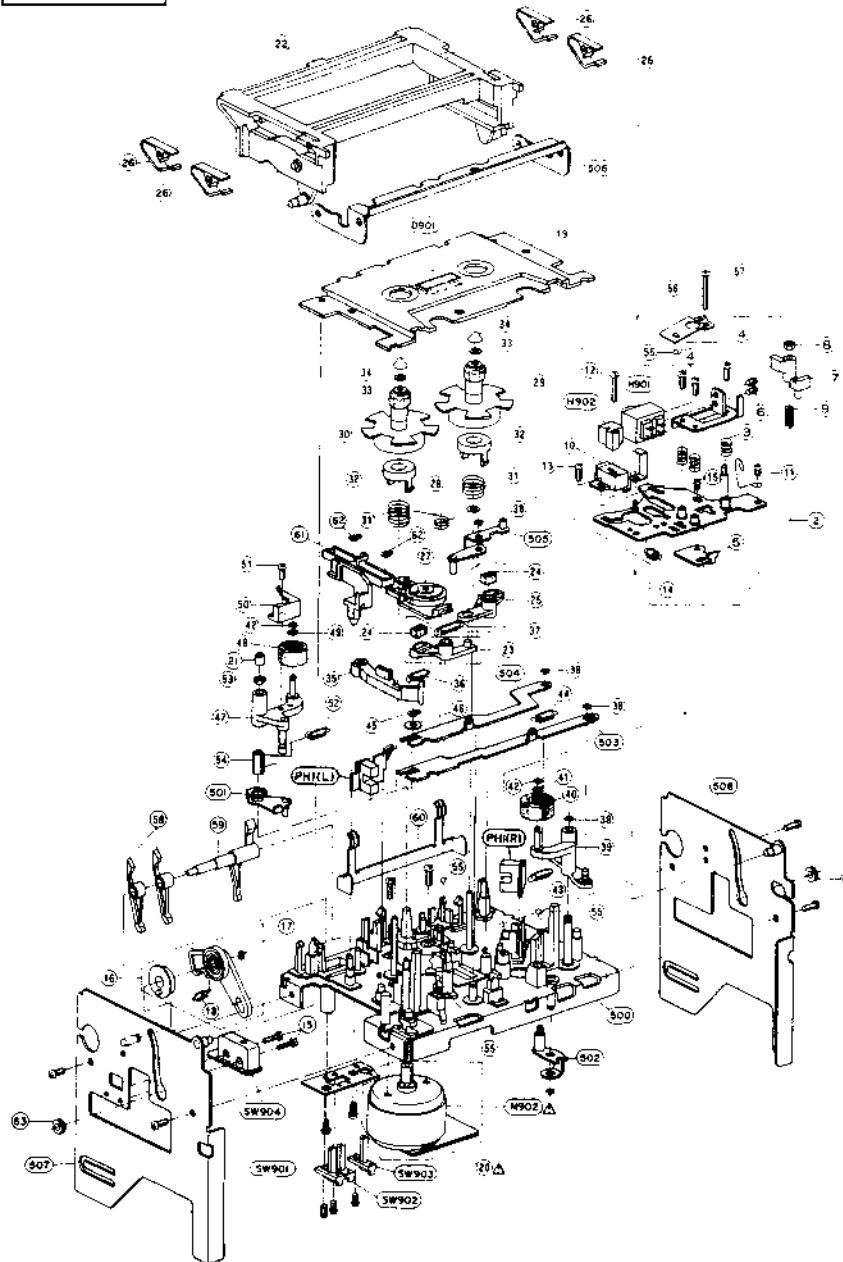
△ (\*) IL INDIQUE LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DÉGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

### 1. RECOMMENDED SPARE PARTS

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.

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	BF-B336024	FLY WHEEL (A) PART	61	ES-336890	SW LEAF BSW-169 01-1 NO
2	BH-T2047A080C	HEAD BLK GX-8	62	ES-337427	SW MICRO 55-01-E
3	BM-M3104A010B	MOTOR 310B	63	ES-370003	SW PUSH SPUY4 5 THROW [GX-8 ONLY]
4	BM-B345196	MOTOR OPERATION (PULLEY) PART	64	ES-370004	SW PUSH SPUY4 4 THROW [GX-8 ONLY]
5	BM-B336989	MOTOR REEL (PULLEY) PART	65	ES-370933	SW SLIDE SSSU 01-03N
6	BM-T2030A120C	REEL MOTOR BLK GX-9	66	ES-348478	SW TACT SKHMAM04A
7	BR-T2069A380A	REEL TABLE BLK GX-9	67	ET-345480	TR 2SA1208 R.S.T
8	*BT-369989	TRANS POWER T2094 (E)	68	ET-348829	TR 2SA1209 S.T
9	*BT-369988	TRANS POWER T2094(A.C)	69	ET-354841	TR 2SA1282A F.G.F05
10	*BT-369970	TRANS POWER T2094(B.S)	70	ET-370038	TR 2SC2910 S.T
11	*BT-369965	TRANS POWER T2094(U)	71	ET-348831	TR 2SC2911 S.T
12	*BT-337226	TRANS POWER T-2032(B.S)	72	ET-357845	TR 2SC3242A F.G.F05
13	*ED-330318	D SILICON DBA106 100-1 OA	73	ET-370913	TR 2SD1506
14	*ED-349862	D SILICON DS135E FA8 F10 100-1 OA	74	ET-348091	DETECTOR SPI-201-40 B.C
15	*ED-370052	D SILICON V 11DF1 F05 100-1 OA	75	ET-356336	TR DTA14ES
16	ED-344244	D LED SLF601C AMBER	76	ET-370017	TR DTA14YF
17	ED-301911	D SILICON H DS44B	77	ET-370074	TR DTA123JF
18	ED-344260	D SILICON H GMA-01-FY2 F05	78	ET-371075	TR DTA124XS
19	ED-324014	D ZENER H H211 B1	79	ET-354414	TR DTC144ES
20	ED-346811	D ZENER H H211 B3	80	ET-354897	TR FET 2SK170 BL.GR.V
21	ED-338661	D ZENER H H22FA F10 B2	81	ET-308472	TR 2SA1115 F.E.G F05
22	ED-331826	D ZENER H H23 B2	82	ET-352726	TR 2SA1392 T.U
23	ED-358332	D ZENER H H24 A2	83	ET-370013	TR 2SA874 Q.R
24	ED-306010	D ZENER H H26 A2	84	ET-337012	TR 2SA984K D.E
25	ED-331617	D ZENER H H26 B3	85	ET-337011	TR 2SC2274K D.E F05
26	ED-338658	D ZENER H H26 B1	86	ET-308977	TR 2SC2274K F F05
27	ED-319167	D ZENER H H26 C3	87	ET-348705	TR 2SC2320 F.G
28	ED-302295	D ZENER H H27 C3	88	ET-308141	TR 2SC2603 G F05
29	ED-348609	D ZENER H H29 C1	89	ET-357845	TR 2SC3242A F.G F05
30	*EF-359007	FUSE BET T 250V 1.25A [B]	90	ET-349081	TR 2SC3383 S.T
31	*EF-358974	FUSE BET T 250V 630mA [B]	91	ET-349608	TR 2SC3383 T.U
32	*EF-341283	FUSE GGS A 125V 1.25A [C.A]	92	ET-350795	TR 2SC3399 F05
33	*EF-602550	FUSE SEMKO T 250V 1.25A [JUE.S]	93	ET-349386	TR 2SC4202 F05
34	*EF-601942	FUSE SEMKO T 250V 630mA [JUE.S]	94	ET-347961	TR 2SD1012-V G F05
35	*EF-308847	FUSE TSC 125V 1.60A [C.A]	95	EV-370008	VR ROTARY T2094 B202
36	EH-385996	FILTER DB 42B 5141-00	96	EV-370005	VR ROTARY T2094 2 THROW A503
37	EI-337568	HALL ELEMENT DHG-H070	97	EV-370007	VR ROTARY T2094 2 THROW B103
38	EL-354622	IC AN6291 [GX-8 ONLY]	98	EV-370006	VR ROTARY T2094 2 THROW S03MN
39	EI-370012	IC BA6805A	99	EV-337052	VR ROTARY Y16L1DXOR B103
40	EI-370022	IC HA12090NT	100	HE-337837	HEAD E E51006/70
41	EI-370011	IC HD6305 XDA74P CUSTOM	101	HR-H2405A010A	HEAD COMB RP4-10HG RP4-10HG
42	EI-336761	IC LA6458S	102	MB-336026	BELT CAPSTAN
43	EI-343417	IC LB1294	103	MB-336021	BELT OPERATION
44	EI-355602	IC LB1649	104	MI-338025	F.YWHEEL [B]
45	EI-337008	IC LC7800	105	MP-336204	PINCH ROLLER [B]
46	EI-357498	IC M51143AL	106	MP-346329	PINCH ROLLER [C]
47	EI-337228	IC M5218L			
48	EI-362587	IC M5238S			
49	EI-382588	IC M5238P			
50	EI-355115	IC M5240P			
51	EI-201940	IC NJM4558S			
52	EI-331275	IC TC9142P [GX-8 ONLY]			
53	EI-338992	[IC UPC1043C [GX-8 ONLY]			
54	EI-349372	OSC CE CSA4 00MG 4MHZ			
55	EI-337123	OSC X TAL 4.07010MHZ [GX-8 ONLY]			
56	EM-370015	IND FL BG-3832K			
57	*ER-318647	R FUSE ERDZFC S10 1 4W 4R7J			
58	*ER-200926	R FUSE ERDZFC S10 1 4W 27R0G			
59	*ES-337902	SW PUSH SLD1P 01-1			
60	*ES-359606	SW SELECTOR BT-4150454 01-1			

## MECHA BLOCK



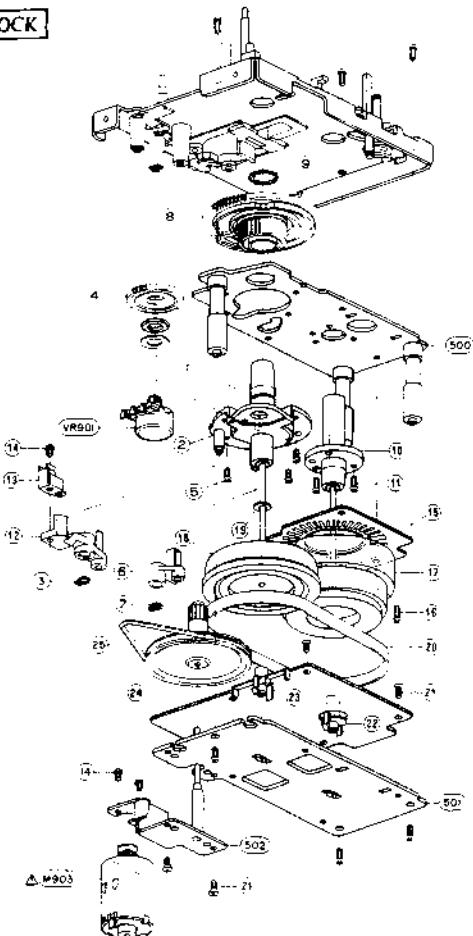
PARTS LIST

## 2. MECHA BLOCK

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
2-1	BB-T2047A0200	MECHA BLK GX-6	2-MB02	#BM-B336889	MOTOR REEL PULLEY PART
2-2	BH-T2047A060C	HEAD BLK I-A	2-H901	#H-A2405A0104	HEAD COMB RP4-DHG RP4-DHG
2-3	ZG-338127	SP PUSH HEAD	2-H902	HE-337837	HEAD E ST-00577D
2-4	ZS-608095	PAN20X05STL CMT	2-D801	ED-344244	ERASE HEAD
2-5	HZ-336132	ADJUST PLATE	2-SW901	ES-338990	D.LED SLP501C AMBER
2-6	ZS-477876	PAN20X05STL CMT	2-SW902	ES-336990	HC.SING LED
2-7	HZ-336129	JUDE TAPE	2-SW903	ES-336990	SA LEAF BSW-169 01-1 NO
2-8	ZW-618884	V205TL CNT 1	2-SW904	ES-336990	AV REC
2-9	ZG-338130	SP PUSH CL. DE	2-SW905	ES-336990	SW LEAF BSW-169 01-1 NC
2-10	HZ-343000	ROLLER E-HAO	2-SW906	ES-336990	CP22 DETECTOR
2-11	ZS-201407	PAN23X05STL CMT	2-SW907	ES-336990	SA LEAF BSW-169 01-1 NC
2-12	ZS-365189	BT-PAN25X05STL CMT	2-SW908	ES-337427	METAL DETECTOR
2-13	ZS-499331	PAN23X05STL CMT	2-SW909	ES-337427	SA MICRO SS-01 E
2-14	ZG-341972	SP PULL HEAD RETURN	2-SW910	ES-337427	LOADING SW.
2-15	ZS-310337	PAN20X05STL CMT	2-PH1L	ET-345091	DETECTOR SPI-201-40 B.C
2-16	BZ-T2030A110A	SL CLUTCH BLK GX-F51	2-PH1R	ET-345091	DETECTOR L PCB
2-17	ZW-270088	RNG E190SUP CMT			DETECTOR SPI-201-40 B.C
2-18	ZG-341970	SP PULL OIL CLUTCH			DETECTOR R PCB
2-19	BD-8365352-A	JO DECORATION AI PART			
2-20	*BK-T2030A120C	REEL MOTOR BLK GX-9			
2-21	ZW-356166	V			
2-22	SP-336163B	JO CASE 2			
2-23	BL-T2030A160A	LEVER BRAKE :AI BLK GX-F51			
2-24	TC-338148	BRAKE RUBBER			
2-25	BL-T2030A170A	LEVER BRAKE :BI BLK GX-F51			
2-26	ZG-336615	SP PLATE CASSETTE HOLDER BI			
2-27	TC-336805	ARM IDLER ASSY			
2-28	ZG-336140	SP TORSION IDLER			
2-29	BR-T2069A380A	REEL TABLE BLK GX-9			
2-30	BR-T2069A390A	REEL TABLE BLK GX-9			
2-31	ZG-336141	SP PUSH BT			
2-32	TC-336142	ROLLER BT SP			
2-33	ZW-330073	PW21X040X020 TOUGH LIGHT NO440			
2-34	MT-305793	REEL CAP			
2-35	BL-8338196	LEVER BT PART			
2-36	ZG-330078	SP T2-032 020-090 T2-038			
2-37	ZG-312945	SP T1-031 029-160 T1-062			
2-38	ZW-270088	RNG E190SUP CMT			
2-39	BL-8336150	ARM PINCH ROLLER (AI) PART			
2-40	MP-346529	PINCH ROLLER(I)			
2-41	ZW-305548	PW21X040X025PSL			
2-42	ZW-356657	RNG E180SUP CMT			
2-43	ZG-336175	SP PULL PINCH ROLLER (I)			
2-44	ZG-321534	SP T2-032 029-125 T2-080			
2-45	ZW-336503	RNG GRIP CS55UP ACP			
2-46	ZW-306464	PW31X070X050STL CMT			
2-47	BL-8336202	ARM PINCH ROLLER (BI) PART			
2-48	MP-336204	PINCH ROLLER (BI)			
2-49	ZW-381644	PW21X040X013PSL			
2-50	HZ-336205	JUDE TAPE BI			
2-51	ZS-608095	PAN20X05STL CMT			
2-52	ZG-336208	SP TORSION RETURN			
2-53	ZW-618884	V205TL CNT 1			
2-54	ZG-336208	SP PULL PINCH ROLLER :SI			
2-55	MV-357208	BALL Z005TL			
2-56	ZG-336157	SP PLATE HEAD HOLD			
2-57	ZS-342002	ST PAN28X16STL CMT			
2-58	ML-338158	LEVER DETECTION (BI)			
2-59	ML-338159	LEVER DETECTION (AI)			
2-60	ZG-336160	SP PLATE CASSETTE HOLDER -AI			
2-61	TC-336161	SLIDE EJECT			
2-62	ZW-329422	RNG CS-0300			
2-63	SZ-336166	COLLAR LD			

NOTE: The parts reference numbered here except the ones in 500's are normally stocked for replacement purpose. The rest of the parts shown in this manual are not stocked since they are seldom required for routine service.

### MOTOR BLM310B BLOCK



### 3. MOTOR BLM-310B BLOCK

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
3-1	BM-M3104A010B	MOTOR BLM 310B	3-15	EA-336012	PC FG
3-2	*C-B336004A	HOLDER CAPSTAN IC-1 PART	3-16	ZS-479474	PAN26X055TL CMT
3-3	ZW-653163	RING CS 2805TL PKR	3-17	BF-B336024	FLYWHEEL, 1AI PART
3-4	M2-336005	GEAR POTENTION	3-18	M-336025	F-Y WHEEL, 1B
3-5	ZS-A32843	PAN26X045TL CMT	3-19	ZW-309298	WASHER THRUST
3-6	BL-B336007	LEVER BRAKE CAM PART	3-20	M6-336026	BELT CAPSTAN
3-7	ZW-653163	RING CS 2805TL PKR	3-21	ZS-477887	CTS26X055TL CMT
3-8	M2-336006	CAM WHEEL	3-22	TC-336016	HOLDER THRUST (A)
3-9	ZW-336004	RING S930SUP ACP	3-23	TC-336027	HOLDER THRUST (B)
3-10	ZC-336002	HOLDER CAPSTAN 16	3-24	MR-336019	PULLEY OPERATE
3-11	ZS-479474	PAN26X055TL CMT	3-25	MB-336021	BELT OPERATION
3-12	BL-B336009	LEVER EJECT CAM PART	3 VR901	EV-337052	VR ROTARY 16L10XR B103
3-13	ZG-336011	SP PLATE CAM LEVER	3-M903	*BM-B345196	MOTOR OPERATION (PULLEY) PART
3-14	ZS-472876	PAN20X035TL CMT*			

NOTE: The parts reference numbered here except the ones in 300's are normally stocked for replacement purpose. The rest of the parts shown in this manual are not stocked since they are seldom required for routine service.

### 4. P.C BOARD BLOCK

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
4-1A	BA-T2094A020A	PC(I)I PRE AMP BLK GX-B-S	5-IC151	EI-370922	IC HA12090WT
4-1B	BA-T2094A020B	PC(I)I PRE AMP BLK GX-6-S	5-IC221	EI-37228	IC M5218L
4-2A	BA-T2094A030A	PC(I)I SYSCON BLK GX-B-S(U,J,C,A)	5-IC241	EI-382588	IC M5238P
4-2B	BA-T2094A030B	PC(I)I SYSCON BLK GX-B-SIE,B,SI	5-J101	EJ-369994	PIN J T2094 4P
4-2C	BA-T2094A030D	PC(I)I SYSCON BLK GX-B-S(U,J,C,A)	5-L191	ED-369997	COIL FIX 1 79-5248-13 363J
4-2D	BA-T2094A030D	PC(I)I SYSCON BLK GX-B-SIE,B,S)	5-L192	ED-369998	COIL FIX 1 79-5248-13 363J

PC PRE AMP BLK CONSISTS OF FOLLOWING P.C. BOARD.

- PRE AMP P.C. BOARD
- VR P.C. BOARD
- HEADPHONE P.C. BOARD

PC SYCON BLK CONSISTS OF FOLLOWING P.C. BOARD.

- SYCON (A) P.C. BOARD
- SYCON (B) P.C. BOARD
- POWER SW P.C. BOARD
- SYCON (C) P.C. BOARD
- dBx P.C. BOARD (GX-B ONLY)

### 5. PRE-AMP P.C BOARD

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
5-C101	EC-347400	C MC V F05 FE92 680J 5000C	5-TR241	ET-349081	TR 2SC3383 S,T
5-C103	EC-365580	C PP V F05 CSF3 582J 125DC	5-TR242	ET-349081	TR 2SC3383 S,T
5-C104	EC-347408	C MC V F05 FE92 101J 5000C	5-TR243	ET-349081	TR 2SC3383 S,T
5-C105	EC-347263	C MC V F05 FM 221J 5000C	5-TR244	ET-349081	TR 2SC3383 S,T
5-C109	EC-365580	C PP V F05 CSF3 582J 125DC	5-TR245	ET-349081	TR 2SC3383 S,T
5-C151	EC-355434	C MMY V MKT 105K 1000C	5-TR246	ET-349081	TR 2SC3383 S,T
5-C181	EC-355481	C MMY V MKT 334K 1000C	5-TR247	ET-352726	TR 2SA1392 TU
5-C191	EC-365566	C PP V F05 CSF3 3301G 125DC	5-TR248	ET-349081	TR 2SC3383 S,T
5-C194	EC-365568	C PP V F05 CSF3 470JG 125DC	5-TR201	*ET-370038	TR 2SC2910 S,T
5-C250	EC-347128	C MC V F05 FE92 470J 5000C	5-TR302	*ET-370038	TR 2SC3383 S,T
5-C253	EC-355434	C MMY V MKT 105K 1000C	5-TR302	ET-352726	TR 2SA1392 TU
5-C301	EC-362464	C EC V CUT AS1 222M 25 0DC	5-TR304	ET-352726	TR 2SA1392 TU
5-C311	EC-362464	C EC V CUT AS1 222M 25 0DC	5-TR311	*ET-345460	TR 2SA1208 R,S,T
5-C325	EC-365519	C EC V CUT AS1 102M 25DC	5-TR312	ET-349081	TR 2SC3383 S,T
5-C375	EC-365559	C PP V F10 ECO-F 582J 530DC	5-TR313	ET-352726	TR 2SA1392 TU
5-C376	EC-337250	C PP V F10 ECO-F 102J 630DC	5-TR314	ET-349608	TR 2SC3383 T,U
5-C377	EC-337250	C PP V F10 ECO-F 102J 630DC	5-TR321	*ET-348831	TR 2SC1191 S,T
5-C381	EC-347247	C MC V F05 FM 101J 5000C	5-TR322	*ET-348829	TR 2SA1209 S,T
5-C382	EC-347265	C MC V F05 FM 151J 5000C	5-TR341	ET-356336	TR DTA114ES
5-C501	EC-365520	C EC V CUT AS1 472M 25DC	5-TR342	ET-356336	TR DTA114ES
5-C502	EC-365520	C EC V CUT AS1 472M 25DC	5-TR356	ET-356336	TR DTA114ES
5-C503	EC-365520	C EC V CUT AS1 472M 25DC	5-TR344	ET-356336	TR DTA114ES
5-D201	ED-301911	D SILICON H DS448	5-TR345	ET-354414	TR DTC144ES
5-D221	ED-337266	D ZENER H H29 A1	5-TR351	ET-352897	TR DTC114ES
5-D222	ED-337266	D ZENER H H29 A1	5-TR352	ET-364060	TR DTC143ES
5-D301	*ED-370052	D SILICON V 11DF1 F05 100-1.0A	5-TR354	ET-357845	TR 2SC3242A F,G F05
5-D302	*ED-370052	D SILICON V 11DF1 F05 100-1.0A	5-TR355	ET-349705	TR 2SC2320 E,F,G
5-D303	*ED-370052	D SILICON V 11DF1 F05 100-1.0A	5-TR356	ET-352897	TR DTC114ES
5-D304	*ED-370052	D SILICON V 11DF1 F05 100-1.0A	5-TR357	ET-352897	TR DTC114ES
5-D311	ED-306010	D ZENER H H26 A2	5-TR369	ET-352897	TR DTC114ES
5-D312	ED-306010	D ZENER H H26 A2	5-TR360	ET-349705	TR 2SC2320 E,F,G
5-D321	ED-302295	D ZENER H H27 C3	5-TR361	ET-357845	TR 2SC3242A F,G F05
5-D322	ED-302295	D ZENER H H27 C3	5-TR371	ET-308977	TR 2SC2274K F,F05
5-D323	*ED-349662	D SILICON DS135E FA6 F10 100-1.0A	5-TR372	ET-308977	TR 2SC2274K F,F05
5-D324	*ED-349662	D SILICON DS135E FA6 F10 100-1.0A	5-TR374	ET-308977	TR 2SC2274K F,F05
5-D341	ED-301911	D SILICON H DS448	5-T371	ET-370000	COL OSC 1 25-2755-22
5-D342	ED-301911	D SILICON H DS448	5-T372	ET-370002	COL OSC 1 25-2780-21
5-D351	ED-301911	D SILICON H DS448	5-VR101	EV-330853	F S-FIX H SR19 3P0 15W333
5-D352	ED-301911	D SILICON H DS448	5-VR102	EV-338482	R S-FIX H V8K4-111S1 3P 503
5-D501	*ED-349662	D SILICON DS135E FA6 F10 100-1.0A	5-VR121	EV-370006	VR ROTARY T2094 2 THROW 503MN
5-D502	*ED-349662	D SILICON DS135E FA6 F10 100-1.0A	5-VR122	EV-370005	VR ROTARY T2094 2 THROW A503
5-D503	*ED-330319	D SILICON D6A10B 100-1.0A	5-VR151	EV-337993	R S-FIX H RVFBP01 3P 203
5-D504	*ED-349662	D SILICON DS135E FA6 F10 100-1.0A	5-VR241	EV-357837	R S-FIX H V8K4-111S1 3P 104
5-FL151	EM-369996	FILTER DB 428-514-00	5-VR351	EV-337992	R S-FIX H RVFBP01 3P 502
5-FR301	*ER-318647	R FUSE ERD2FC S10 1 4W 4R7J	5-VR352	EV-344109	R S-FIX H RVFBP01 3P 102
5-FR302	*ER-318647	R FUSE ERD2FC S10 1 4W 4R7J	5-VR353	EV-370008	VR ROTARY T2094 8202
5-FR311	*ER-318647	R FUSE ERD2FC S10 1 4W 4R7J	5-VR371	EV-330531	R S-FIX H TM8K V2 1S 3P0 50W503
5-FR312	*ER-318647	R FUSE ERD2FC S10 1 4W 4R7J	5-F1A	*EF-601942	FUSE SEMKO T-250V 630MA
5-FR361	*ER-200926	R FUSE ERD2FC S10 1 4W 27R0G	5-F1B	*EF-341263	FUSE GGS A 125V 1.25A
5-FR352	*ER-200926	R FUSE ERD2FC S10 1 4W 27R0G	5-F1C	*EF-358974	FUSE BET T 250V 630MA
5-IC101	EI-355115	IC M5240F			
5-IC121	EI-362587	IC M5238L			
5-IC131	EI-357498	IC M51143AL			

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
5-F2A	*EF-601942	FUSE SEMKO T 250V 630MA U.E.S	6 TR1	ET 350795	TR 2SC3399 F05
5-F2B	*EF-341253	FUSE GCS A 125V 1.25A C.A.	6 TR2	ET 350795	TR 2SC3399 F05
5-F2C	*EF-358974	FUSE BET T 250V 630MA B	6 TR3	ET 349368	TR 2SC3462 F05
5-F3A	*EF-602550	FUSE SEMKO T 250V 1.25A U.E.S	6 TR4	ET 354415	TR DTA144ES
5-F3B	*EF-308847	FUSE TSC 125V 1.60A C.A.	6 TR5	ET 354415	TR DTA144ES
5-F3C	*EF-359007	FUSE BET T 250V 1.25A B!	6 TR6	ET 371075	TR DTA124XS
5-F4A	*EF-602550	FUSE SEMKO T 250V 1.25A U.E.S	6 TR7	ET 371075	TR DTA124XS
5-F4B	*EF-308847	FUSE TSC 125V 1.60A C.A.	6 TR8	ET 350795	TR 2SC3399 F05
5-F4C	*EF-359007	FUSE BET T 250V 1.25A B!	6 TR9	ET 354415	TR DTA144ES
			6 TR10	ET 350795	TR 2SC3399 F05
			6 TR11	ET 350795	TR 2SC3399 F05
			6 TR12	ET 350795	TR 2SC3399 F05
			6 TR13	ET 350795	TR 2SC3399 F05
			6 TR14	ET 347961	TR 2SD1012-V G F05
			6 TR15	ET 347961	TR 2SD1012-V G F05
			6 TR16	ET 347961	TR 2SD1012-V G F05
			6 TR17	ET 347961	TR 2SD1012-V G F05
			6 TR18	ET 347961	TR 2SD1012-V G F05
			6 TR19	ET 347961	TR 2SD1012-V G F05
			6 TR20	ET 354415	TR DTA144ES
			6 TR21	ET 357845	TR 2SC3242A F G F05
			6 TR22	ET 308141	TR 2SC2603 G F05
			6 TR23	ET 350795	TR 2SC3399 F05
			6 TR24	ET 350795	TR 2SC3399 F05
			6 TR25	ET 350795	TR 2SC3399 F05
			6 TR26	ET 308141	TR 2SC2603 G F05
			6 TR27	ET 308141	TR 2SC2603 G F05
		'GX-8 ONLY'			
6-C44	EC-201645	C EC V CUT AS1 222M 8.3DC	6 TR28	ET 308141	TR 2SC2603 G F05
6-01	ED-344280	D SILICON H GMA-01-FY2 F05	6 TR29	ET 308141	TR 2SC2603 G F05
6-02	ED-344280	D SILICON H GMA-01-FY2 F05	6 TR30	ET 349368	TR 2SC3402 F05
6-03	ED-344280	D SILICON H GMA-01-FY2 F05	6 TR31	ET 349368	TR 2SC3402 F05
6-04	ED-344280	D SILICON H GMA-01-FY2 F05	6 TR32	ET 349368	TR 2SC3402 F05
6-05	ED-344280	D SILICON H GMA-01-FY2 F05	6 TR33	ET 349368	TR 2SC3402 F05
6-06	ED-344280	D SILICON H GMA-01-FY2 F05	6 TR34	ET 308472	TR 2SA1115 E.F.G F05
6-07	ED-331617	D ZENER H HZ8 A3	6 TR35	ET 308472	TR 2SA1115 E.F.G F05
6-08	ED-338332	D ZENER H HZ4 A2	6 TR36	*ET-370913	TR 2SD150E
6-09	ED-331826	D ZENER H HZ3 B2	6 TR37	*ET-357845	TR 2SC3242A F.G F05
6 D10	ED-346611	D ZENER H HZ11 B3	6 TR38	*ET-354841	TR 2SA1282A F.G F05
6 D11	ED-346809	D ZENER H HZ9 C1	6 TR39	ET 308141	TR 2SC2603 G F05
6 D12	ED-319167	D ZENER H HZ6 C3	6 TR40	ET 308472	TR 2SA1115 E.F.G F05
6 D13	ED-324014	D ZENER H HZ11 B1	6 TR41	ET 308472	TR 2SA1115 E.F.G F05
6 D14	ED-324014	D ZENER H HZ11 B1	6 VR2	EV 337996	R S-FIX HRVFBP01 3P 104
6 D15	ED-319167	D ZENER H HZ6 C3	6 VR3	EV 337992	R S-FIX HRVFBP01 3P 502
6 D16	ED-344280	D SILICON H GMA-01-FY2 F05	6 VR4	EV 337998	R S-FIX HRVFBP01 3P 104
6 D17	ED-344280	D SILICON H GMA-01-FY2 F05	6 VR5	EV 337992	R S-FIX HRVFBP01 3P 502
6 D18	ED-344280	D SILICON H GMA-01-FY2 F05	6 X1	EV 349372	DSC CE CSA4.00MG 4MHz
6 D19	ED-344280	D SILICON H GMA-01-FY2 F05	6 X2	EV 337123	DSC XTAL 4.07010MHz
					'GX-8 ONLY'

## 6. SYSCON (A) P.C BOARD

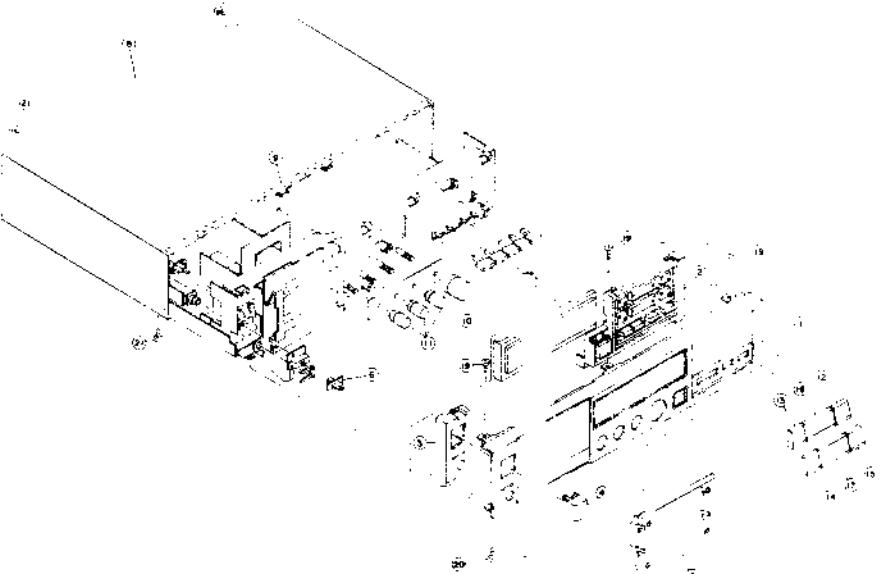
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
6-C44	EC-201645	C EC V CUT AS1 222M 8.3DC	6 TR27	ET 308141	TR 2SC2603 G F05
6-01	ED-344280	D SILICON H GMA-01-FY2 F05	6 TR28	ET 308141	TR 2SC2603 G F05
6-02	ED-344280	D SILICON H GMA-01-FY2 F05	6 TR29	ET 308141	TR 2SC2603 G F05
6-03	ED-344280	D SILICON H GMA-01-FY2 F05	6 TR30	ET 349368	TR 2SC3402 F05
6-04	ED-344280	D SILICON H GMA-01-FY2 F05	6 TR31	ET 349368	TR 2SC3402 F05
6-05	ED-344280	D SILICON H GMA-01-FY2 F05	6 TR32	ET 349368	TR 2SC3402 F05
6-06	ED-344280	D SILICON H GMA-01-FY2 F05	6 TR33	ET 349368	TR 2SC3402 F05
6-07	ED-331617	D ZENER H HZ8 A3	6 TR34	ET 308472	TR 2SA1115 E.F.G F05
6-08	ED-338332	D ZENER H HZ4 A2	6 TR35	ET 308472	TR 2SA1115 E.F.G F05
6-09	ED-331826	D ZENER H HZ3 B2	6 TR36	*ET-370913	TR 2SD150E
6 D10	ED-346611	D ZENER H HZ11 B3	6 TR37	*ET-357845	TR 2SC3242A F.G F05
6 D11	ED-346809	D ZENER H HZ9 C1	6 TR38	*ET-354841	TR 2SA1282A F.G F05
6 D12	ED-319167	D ZENER H HZ6 C3	6 TR39	ET 308141	TR 2SC2603 G F05
6 D13	ED-324014	D ZENER H HZ11 B1	6 TR40	ET 308472	TR 2SA1115 E.F.G F05
6 D14	ED-324014	D ZENER H HZ11 B1	6 TR41	ET 308472	TR 2SA1115 E.F.G F05
6 D15	ED-319167	D ZENER H HZ6 C3	6 VR2	EV 337996	R S-FIX HRVFBP01 3P 104
6 D16	ED-344280	D SILICON H GMA-01-FY2 F05	6 VR3	EV 337992	R S-FIX HRVFBP01 3P 502
6 D17	ED-344280	D SILICON H GMA-01-FY2 F05	6 VR4	EV 337998	R S-FIX HRVFBP01 3P 104
6 D18	ED-344280	D SILICON H GMA-01-FY2 F05	6 VR5	EV 337992	R S-FIX HRVFBP01 3P 502
6 D19	ED-344280	D SILICON H GMA-01-FY2 F05	6 X1	EV 349372	DSC CE CSA4.00MG 4MHz
6 D20	ED-344280	D SILICON H GMA-01-FY2 F05	6 X2	EV 337123	DSC XTAL 4.07010MHz
					'GX-8 ONLY'

## 7. SYSCON (B) P.C BOARD

Ref. No.	Part No.	Description
7-020*	ED 344280	D SILICON H GMA-01-FY2 F05
7-020	ED 344280	D SILICON H GMA-01-FY2 F05
7-0203	ED 344280	D SILICON H GMA-01-FY2 F05
7-0204	ED 344280	D SILICON H GMA-01-FY2 F05
7-0205	ED 344280	D SILICON H GMA-01-FY2 F05
7-0206	ED 3707224	COMP R PKT <sup>1</sup> 5812 473J
7-0207	ED 370977	COMP R PKT <sup>1</sup> 5814 473J
7-0208	ED 370976	COMP R PKT <sup>1</sup> 5811 473J
7-0209	ED 370202	C 81294
7-0210	ED 343417	C 81294
7-0211	ED 343417	C 81294
7-0212	ED 343417	C 81294
7-0213	ED 343417	C 81294
7-0214	ED 343417	C 81294
7-0215	ED 343417	C 81294
7-0216	ED 343417	C 81294
7-0217	ED 343417	C 81294
7-0218	ED 343417	C 81294
7-0219	ED 343417	C 81294
7-0220	ED 343417	C 81294
7-0221	ED 343417	C 81294
7-0222	ED 343417	C 81294
7-0223	ED 343417	C 81294
7-0224	ED 343417	C 81294
7-0225	ED 343417	C 81294
7-0226	ED 343417	C 81294
7-0227	ED 343417	C 81294
7-0228	ED 343417	C 81294
7-0229	ED 343417	C 81294
7-0230	ED 343417	C 81294
7-0231	ED 343417	C 81294
7-0232	ED 343417	C 81294
7-0233	ED 343417	C 81294
7-0234	ED 343417	C 81294
7-0235	ED 343417	C 81294
7-0236	ED 343417	C 81294
7-0237	ED 343417	C 81294
7-0238	ED 343417	C 81294
7-0239	ED 343417	C 81294
7-0240	ED 343417	C 81294
7-0241	ED 343417	C 81294
7-0242	ED 343417	C 81294
7-0243	ED 343417	C 81294
7-0244	ED 343417	C 81294
7-0245	ED 343417	C 81294
7-0246	ED 343417	C 81294
7-0247	ED 343417	C 81294
7-0248	ED 343417	C 81294
7-0249	ED 343417	C 81294
7-0250	ED 343417	C 81294
7-0251	ED 343417	C 81294
7-0252	ED 343417	C 81294
7-0253	ED 343417	C 81294
7-0254	ED 343417	C 81294
7-0255	ED 343417	C 81294
7-0256	ED 343417	C 81294
7-0257	ED 343417	C 81294
7-0258	ED 343417	C 81294
7-0259	ED 343417	C 81294
7-0260	ED 343417	C 81294
7-0261	ED 343417	C 81294
7-0262	ED 343417	C 81294
7-0263	ED 343417	C 81294
7-0264	ED 343417	C 81294
7-0265	ED 343417	C 81294
7-0266	ED 343417	C 81294
7-0267	ED 343417	C 81294
7-0268	ED 343417	C 81294
7-0269	ED 343417	C 81294
7-0270	ED 343417	C 81294
7-0271	ED 343417	C 81294
7-0272	ED 343417	C 81294
7-0273	ED 343417	C 81294
7-0274	ED 343417	C 81294
7-0275	ED 343417	C 81294
7-0276	ED 343417	C 81294
7-0277	ED 343417	C 81294
7-0278	ED 343417	C 81294
7-0279	ED 343417	C 81294
7-0280	ED 343417	C 81294
7-0281	ED 343417	C 81294
7-0282	ED 343417	C 81294
7-0283	ED 343417	C 81294
7-0284	ED 343417	C 81294
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7-0287	ED 343417	C 81294
7-0288	ED 343417	C 81294
7-0289	ED 343417	C 81294
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7-0291	ED 343417	C 81294
7-0292	ED 343417	C 81294
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7-0294	ED 343417	C 81294
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7-0297	ED 343417	C 81294
7-0298	ED 343417	C 81294
7-0299	ED 343417	C 81294
7-0300	ED 343417	C 81294
7-0301	ED 343417	C 81294
7-0302	ED 343417	C 81294
7-0303	ED 343417	C 81294
7-0304	ED 343417	C 81294
7-0305	ED 343417	C 81294
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7-0307	ED 343417	C 81294
7-0308	ED 343417	C 81294
7-0309	ED 343417	C 81294
7-0310	ED 343417	C 81294
7-0311	ED 343417	C 81294
7-0312	ED 343417	C 81294
7-0313	ED 343417	C 81294
7-0314	ED 343417	C 81294
7-0315	ED 343417	C 81294
7-0316	ED 343417	C 81294
7-0317	ED 343417	C 81294
7-0318	ED 343417	C 81294
7-0319	ED 343417	C 81294
7-0320	ED 343417	C 81294
7-0321	ED 343417	C 81294
7-0322	ED 343417	C 81294
7-0323	ED 343417	C 81294
7-0324	ED 343417	C 81294
7-0325	ED 343417	C 81294
7-0326	ED 343417	C 81294

# INDEX

## FINAL ASSEMBLY BLOCK



## 15. FINAL ASSEMBLY BLOCK

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
15-1-A	BD-T2094A040A	PANEL FRONT BLK GX-B-S	15-10	SK-369359A	KNOB REC
15-1-A-B	BD-T2094A040B	PANEL FRONT BLK GX-B-B	15-10-B	SK-369359B	KNOB REC B
15-1-B	BD-T2094A040C	PANEL FRONT BLK GX-S-S	15-11	SK-B370288X1	KNOB VR PART
15-1-B-B	BD-T2094A040D	PANEL FRONT BLK GX-S-B	15-11-B	SK-B370288X2	KNOB VR-B PART
15-2	SK-369362A	KNOB OPERATE	15-12	SK-369355A	KNOB FF
15-2-B	SK-369362B	KNOB OPERATE-B	15-12-B	SK-369355B	KNOB FF-B
15-3	SE-369363A	ESCHUTCHEON SIDE	15-13	SK-369355C	KNOB NEW
15-3-B	SE-369363B	ESCHUTCHEON SIDE-B	15-13-B	SK-369355D	KNOB NEW-B
15-4	SK-343017G	KNOB POWER (4)	15-14	SK-369385E	KNOB PAUSE
15-4-B	SK-343017F	KNOB POWER-B	15-14-B	SK-389355F	KNOB PAUSE-B
15-5-A	BD-T2094A050C	LID PANEL BLK GX-B-S	15-15	SK-389356	KNOB MUTE
15-5-A-B	BD-T2094A050B	LID PANEL BLK GX-B-B	15-15-B	SK-369356H	KNOB MUTE-B
15-5-B	BD-T2094A050A	LID PANEL BLK GX-S-S	15-16	SK-369355J	KNOB PLAY
15-5-B-B	BD-T2094A050B	LID PANEL BLK GX-B-B	15-16-B	SK-369355K	KNOB PLAY-B
15-6	SK-358086D	KNOB SLIDE(3)	15-17	SK-369355L	KNOB STOP
15-6-B	SK-358066B	KNOB SLIDE B	15-17-B	SK-369355M	KNOB STOP-B
15-7	SK-369357A	KNOB PUSH	15-18X	AX-356899	CORD OFC NI-P
15-7-B	SK-369357B	KNOB PUSH-B	15-19	ZS-320906	ST BR30X06STL CMT
15-8	SP-343024C	COVER UPPER (3)	15-20	ZS-354459	ST CTS30X06STL NI3
15-8-B	SP-343024D	COVER UPPER (4)	15-21	ZS-447761	T2BR30X06STL BP
15-9	SZ-371657	CUSHION COVER UPPER:			

Note: SYMBOL FOR COLOR VARIATION  
NON: SILVER  
B: BLACK

Part No.	Ref. No.	Part No.	Ref. No.	Part No.	Ref. No.	Part No.	Ref. No.
AX-356899	15-1BX	ED-301911	5-D051	EF-308847	5-F4B	EO-369998	5-L241
BA-T2094AD70A	4-1A	ED-301911	5-D052	EF-341263	32	EO-369998	5-L242
BA-T2094A020B	4-1B	ED-302295	28	EF-341263	5-F1B	EO-370000	5-T371
BA-T2094A030A	4-2A	ED-302295	5-D031	EF-341263	5-F2B	EO-370002	5-T372
BA-T2094A030B	4-2B	ED-302295	5-D032	EF-358974	31	ER-200925	5-FR351
BA-T2094A030C	4-2C	ED-306010	24	EF-358974	5-F1C	ER-200925	5-FR351
BA-T2094A030D	4-2D	ED-306010	5-D031	EF-358974	5-F2C	ER-200925	5-FR352
BB-T2047A020D	2-1	ED-306010	5-D032	EF-359007	30	ER-318647	57
BD-B365352-A	2-19	ED-306010	6-D25	EF-359007	5-F3C	ER-318647	5-FR301
BD-T2094A040A	15-1A	ED-318167	27	EF-359007	5-F4C	ER-318647	5-FR302
BD-T2094A040B	15-1A-B	ED-318167	6-D12	EF-601842	34	ER-318647	5-FR311
BD-T2094A040C	15-1B	ED-318167	6-D15	EF-601842	5-F1A	ES-328990	61
BD-T2094A040D	15-1B-B	ED-324014	18	EF-601842	5-F2A	ES-328990	2-SW901
BD-T2094A050C	15-5A	ED-324014	6-D19	EF-602550	33	ES-338900	2-SW902
BD-T2094A050A	15-5B	ED-324014	6-D14	EF-602550	5-F3A	ES-338900	2-SW903
BD-T2094A050B	15-5B-B	ED-330319	13	EF-602550	5-F4A	ES-338900	2-SW903
BD-T2094A050D	15-5A-B	ED-330319	5-D053	EH-356864	8-N2	ES-337427	2-SW904
BD-369983D	14-3G	ED-331617	25	EH-37224	7-B201	ES-337427	2-SW904
BF-B336024	1	ED-331617	6-D7	EH-358986	36	ES-337902	59
BF-B336024	3-17	ED-331626	22	EH-359996	5-F1L1	ES-337902	8-SW501
BH-T2047A060C	2	ED-321626	6-D8	EH-370020	6-A1	ES-349474	68
BH-T2047A080C	2-2	ED-337266	5-D221	EH-370021	6-B3	ES-349474	7-TS201
BL-B336007	3-6	ED-337266	5-D222	EH-370076	7-B203	ES-349474	7-TS202
BL-B338009	3-12	ED-338332	23	EH-370077	7-B202	ES-349474	7-TS203
BL-B336150	2-39	ED-338332	6-D8	EH-201940	51	ES-349474	7-TS204
BL-B336156	2-35	ED-338559	26	EH-201940	8-C1	ES-349474	7-TS205
BL-B336202	2-47	ED-338559	6-D24	EH-201940	8-C2	ES-349474	7-TS206
BL-T2030A160A	2-23	ED-338561	21	EH-331276	52	ES-349474	7-TS207
BL-T2030A170A	2-25	ED-338561	9-D5	EH-331275	6-A06	ES-349474	7-TS208
BL-B336989	5	ED-342444	16	EH-338761	42	ES-349474	7-TS209
BM-B326985	24M902	ED-344244	2-0901	EI-336761	6-A2	ES-348474	7-TS210
BM-B345186	4	ED-344280	18	EI-336781	6-A3	ES-348474	7-TS211
BM-B345198	3-M903	ED-344280	6-01	EI-336781	6-C7	ES-359606	60
BM-M3104A0108	3	ED-344280	6-02	EI-336892	53	ES-370003	14-SW502
BM-M3104A0108	3-1	ED-344280	6-03	EI-336992	6-IC8	ES-370003	5-SW1A
BM-T2030A120C	6	ED-344280	6-04	EI-337008	45	ES-370004	64
BM-T2030A120C	2-20	ED-344280	6-05	EI-337008	6-IC5	ES-370004	5-SW1B
BR-T2069A380A	7	ED-344280	6-06	EI-337123	55	ES-370933	65
BR-T2069A380A	2-29	ED-344280	6-016	EI-337123	8-X2	ES-370933	10-SW3D1
BR-T2069A380A	2-30	ED-344280	6-D17	EI-337228	47	ES-370933	10-SW3D1
BT-337226	12	ED-344280	6-D18	EI-337228	5-IC221	ET-308141	88
BT-369985	11	ED-344280	6-D19	EI-337568	37	ET-308141	6-TR22
BT-369965	14-T501A	ED-344280	6-D20	EI-337568	8-C3	ET-308141	6-TR26
BT-369968	9	ED-344280	6-D21	EI-337568	8-IC4	ET-308141	6-TR27
BT-369968	14-T501B	ED-344280	6-D26	EI-343417	43	ET-308141	6-TR28
BT-369968	8	ED-344280	6-D27	EI-343417	7-IC202	ET-308141	6-TR29
BT-369968	14-T501C	ED-344280	6-D28	EI-343417	7-C203	ET-308141	6-TR39
BT-369970	10	ED-344280	6-D29	EI-343417	7-IC204	ET-308472	81
BT-369970	14-T501D	ED-344280	6-D30	EI-349372	54	ET-308472	6-TR34
BT-T2030A110A	2-15	ED-344280	6-D31	EI-349372	6-X1	ET-308472	6-TR35
EA-336012	3-15	ED-344280	6-D32	EI-354822	38	ET-308472	6-TR40
EA-201645	6-C44	ED-344280	6-D23	EI-354822	13-IC401	ET-308472	6-TR41
EC-320548	9-C501	ED-344280	6-D34	EI-348922	13-IC403	ET-308677	86
EC-337250	5-C377	ED-344280	6-D35	EI-355115	50	ET-308977	5-TR371
EC-337250	5-C377	ED-344280	7-D201	EI-355115	5-IC101	ET-308877	5-TR372
EC-338411	9-C501A	ED-344280	7-D202	EI-355602	44	ET-308877	5-TR373
EC-347128	5-C250	ED-344280	7-D203	EI-355602	6-IC4	ET-308877	5-TR374
EC-347128	5-C301	ED-344280	7-D204	EI-357498	46	ET-337011	85
EC-347247	5-C381	ED-344280	7-D205	EI-357498	5-IC131	ET-337011	8-TR1
EC-347255	5-C382	ED-344280	13-D401	EI-362587	48	ET-337011	6-TR3
EC-347263	5-C105	ED-344280	6-D31	EI-362587	6-X1	ET-337011	6-TR3
EC-347400	5-C101	ED-344280	13-D441	EI-362587	5-IC121	ET-337012	84
EC-347408	5-C104	ED-346609	29	EI-362588	49	ET-337012	8-TR2
EC-355434	5-C151	ED-346609	6-D11	EI-362588	5-IC241	ET-337012	8-TR4
EC-355434	5-C253	ED-346611	20	EI-362588	13-IC402	ET-345091	74
EC-355461	5-C181	ED-346611	6-D10	EI-362588	13-IC404	ET-345091	2-PH1L
EC-362464	5-C301	ED-349662	14	EI-370011	41	ET-345091	2-PH1R
EC-362464	5-C311	ED-349662	5-D323	EI-370011	5-IC1	ET-345460	67
EC-365520	5-C501	ED-349662	5-D324	EI-370012	39	ET-345460	5-TR222
EC-365520	5-C502	ED-349662	5-D501	EI-370012	7-IC201	ET-345460	5-TR311
EC-365520	5-C503	ED-349662	5-D502	EI-370022	40	ET-347961	94
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## ABBREVIATIONS FOR SERVICE MANUAL (CASSETTE)

Abbreviation	Explanation	Abbreviation	Explanation
AC	Alternating Current	MICOM	MIcroCOMputer
A/D	Analog Digital	MIN	MINute
AF	Auto Fader	MML	Maximum Modulation Level
A.M	Auto Mute	MOL	Maximum Output Level
AMP	AMPlifier	MPX	Multi Plex
AR	Anti Recording	NC	Not Connected (No Connection)
AT BIAS	Auto T-ning BIAS	NFB	Negative Feed Back
ATT	ATTenuator	NORM	NORMal
BAL	BAlance	NR	Noise Reduction
BEF	Band Elimination Filter	OSC	OSCillator (OSCillation)
BSS	Blank Search System	P	Pulse
BSPS	Blank Skip Play System	PB	Play Back
CAP M	CAPsTan Motor	QMSS	Quick Memory Search System
CH	CHannel	QR	Quick Reverse
COMP	COMParator	R CH	Right CHannel
CONT	CONTinuance	REC	REcord (RECORDing)
CRLP	Computer Recording Level	REV	REVerse
	Processing		
CS	Chip Select	ROT	ROTaition
D/A	Digital Analog	REW	REWind
DC	Direct Current	SEC	SECond
DET	DETector	SELE	SELEctor
DISCRJ	DISCRiminator	SENS	SENSitivity
DUB	DUBbing	SEPP	Single Ended Push Pull
EQ	EQUALizer	SIG	SIGNAL
FF(or F.FWD)	Fast Forward	SPECT	SPECTrum
FLD	FLuorescent Display	STD	STanDard
FREQ	FREQuency	SW	SWitch
FWD	ForWarD	SYSCON	SYStem CONtrol
GND	GrouND	TP	Test Point
H	High	TRIG	TRIGa
HPF	High Pass Filter	VCA	Voltage Control Attenuator
IND	INDicator	VOL	VOLUME
IPLS	Instant Program Location System	VOLT	VOLTage
L	Low	VR	Variable Resistor
L CH	Left CHannel	X'TAL	cysTAL
LED	Light Emitining Diode	XI	Normal speed
MEMO	MEMOry	X2	Dubble speed

# AKAI

## AKAI

MODEL **GX-6,8 (GX-73,93)**

**SCHEMATIC DIAGRAM  
AND PC BOARDS**

**MODEL GX-73,93 (GX-6,8)**

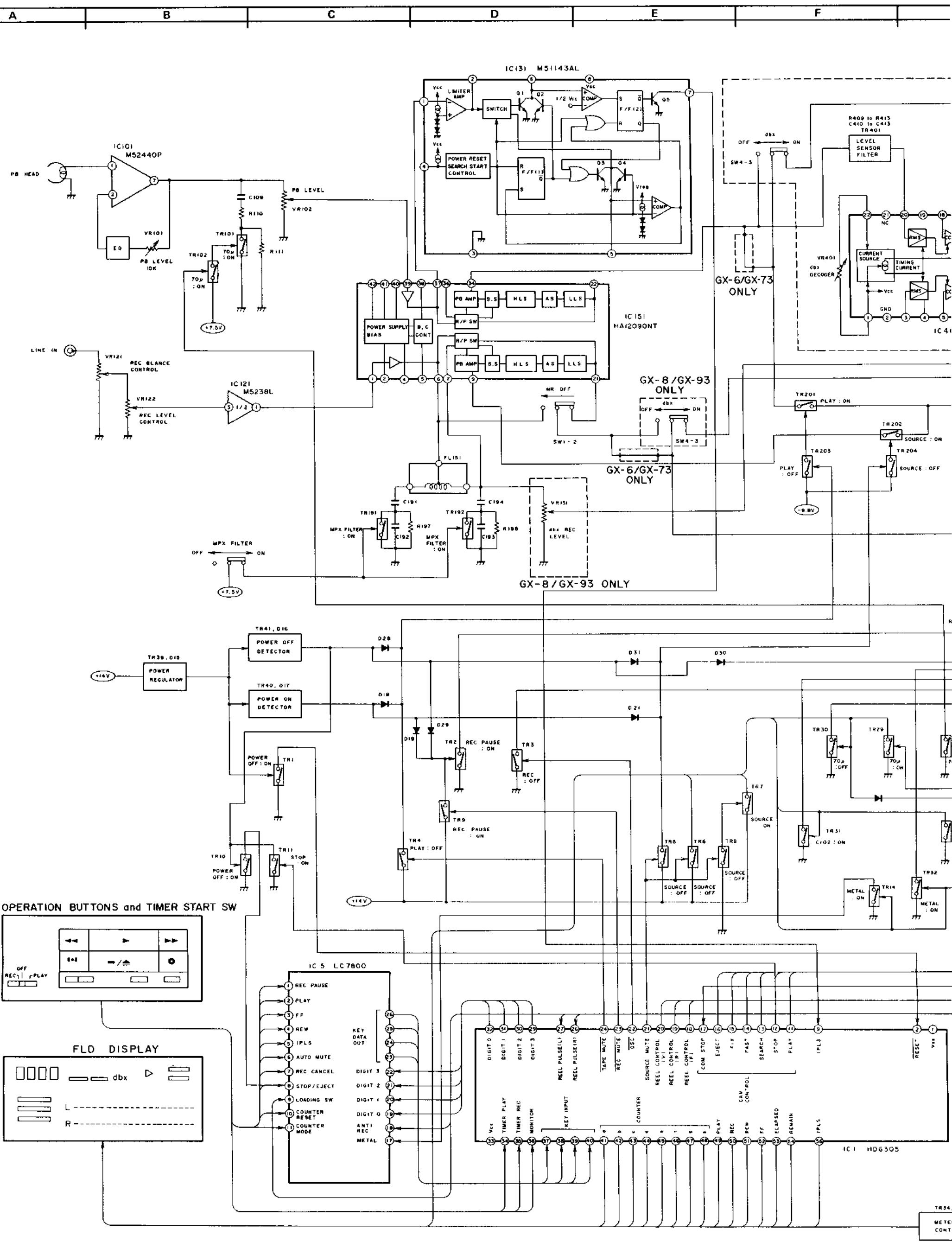
回路図・プリント基板図

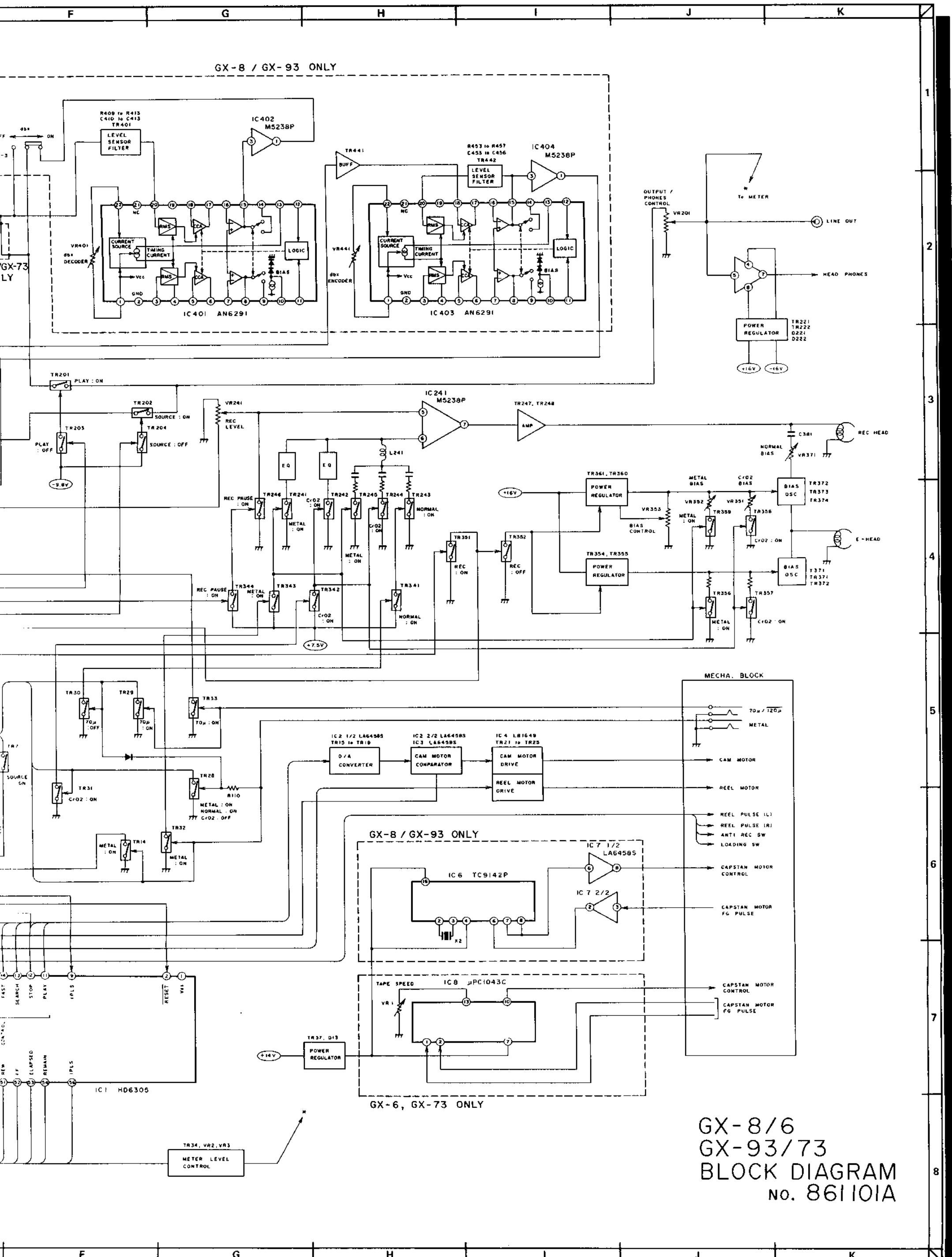
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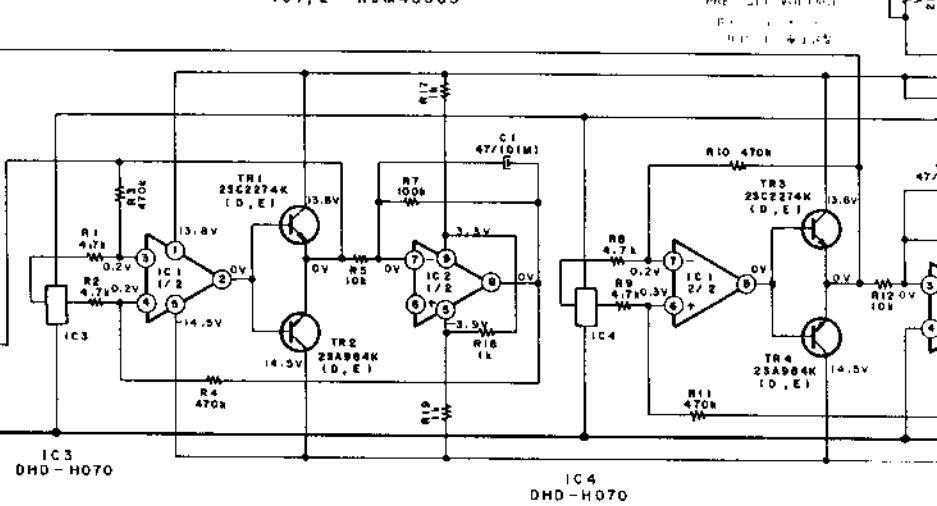
A B C D E F

ポテンション基板  
POTENTION PCB M3103D7010

- Measured with Digital voltmeter in DC range at play mode.
- DC レンジで再生時の電圧を測定。

08

IC1,2 NJM4558S



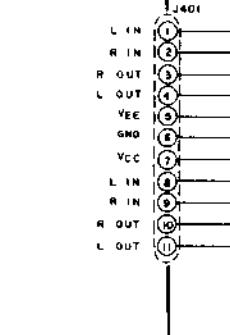
MOTOR PCB M3103C7260  
モーター基板

GX-B/GX-93 MODEL ONLY

dbx 基板

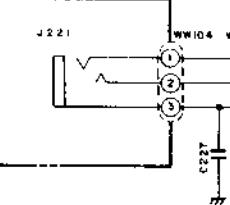
dbx PCB T2094A5020

13



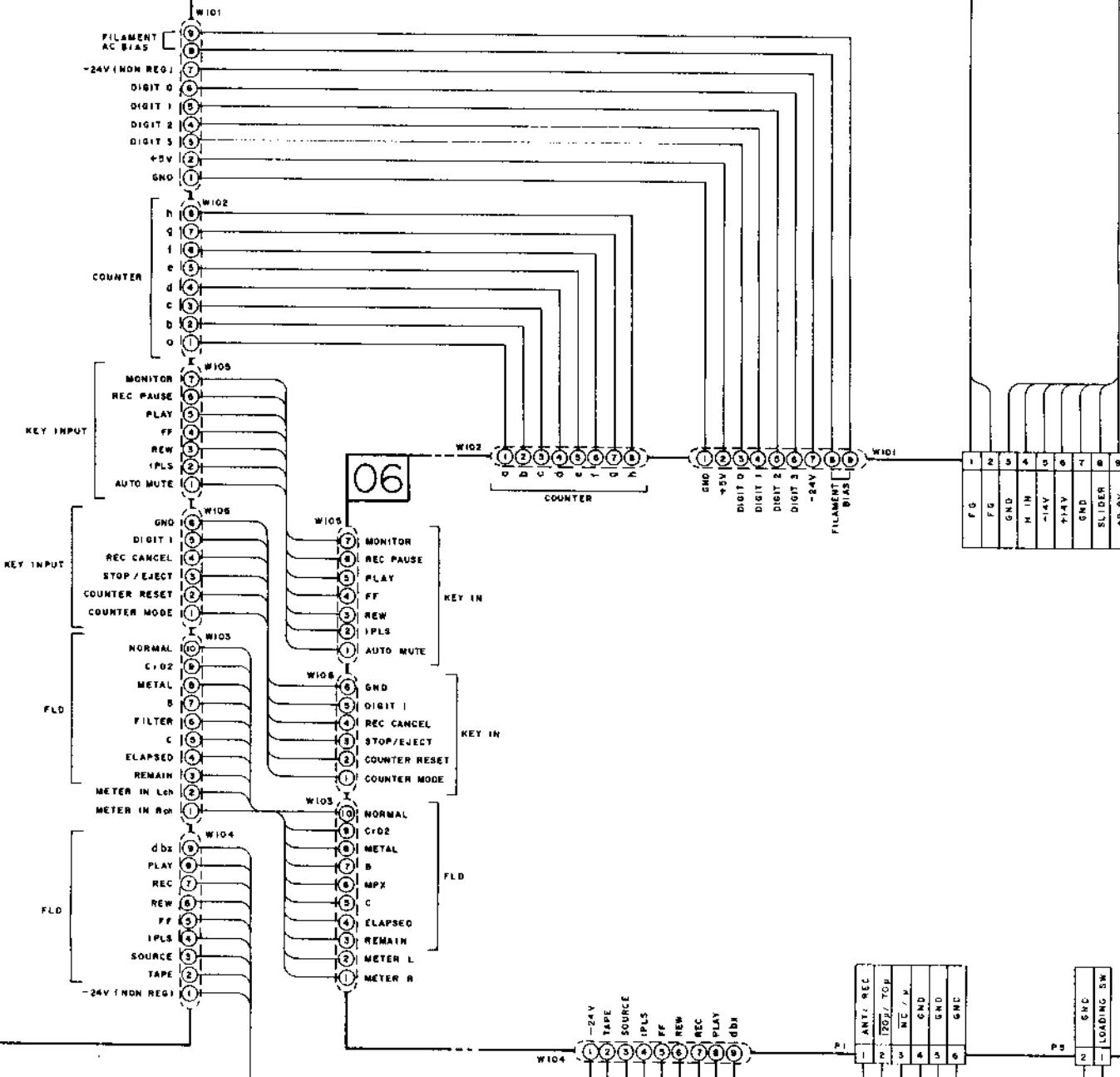
ヘッドホン基板  
HEAD PHONE PCB  
T2094A501C

12



07

シスコン(B)基板  
SYSCON(B) PCB T2094A502B



P2 GX-93/6 MODEL ONLY

P3 GX-73/6 MODEL ONLY

11

OUTPUT/PHONES CONTROL

WW102

WW103

VR2016 10kΩ

VR201 10kΩ

WW104

WW105

WW106

WW107

WW108

WW109

WW110

WW111

WW112

WW113

WW114

WW115

WW116

WW117

WW118

WW119

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WW226

WW227

WW228

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WW2214

WW2215

WW2216

WW2217

WW2218

WW2219

WW2220

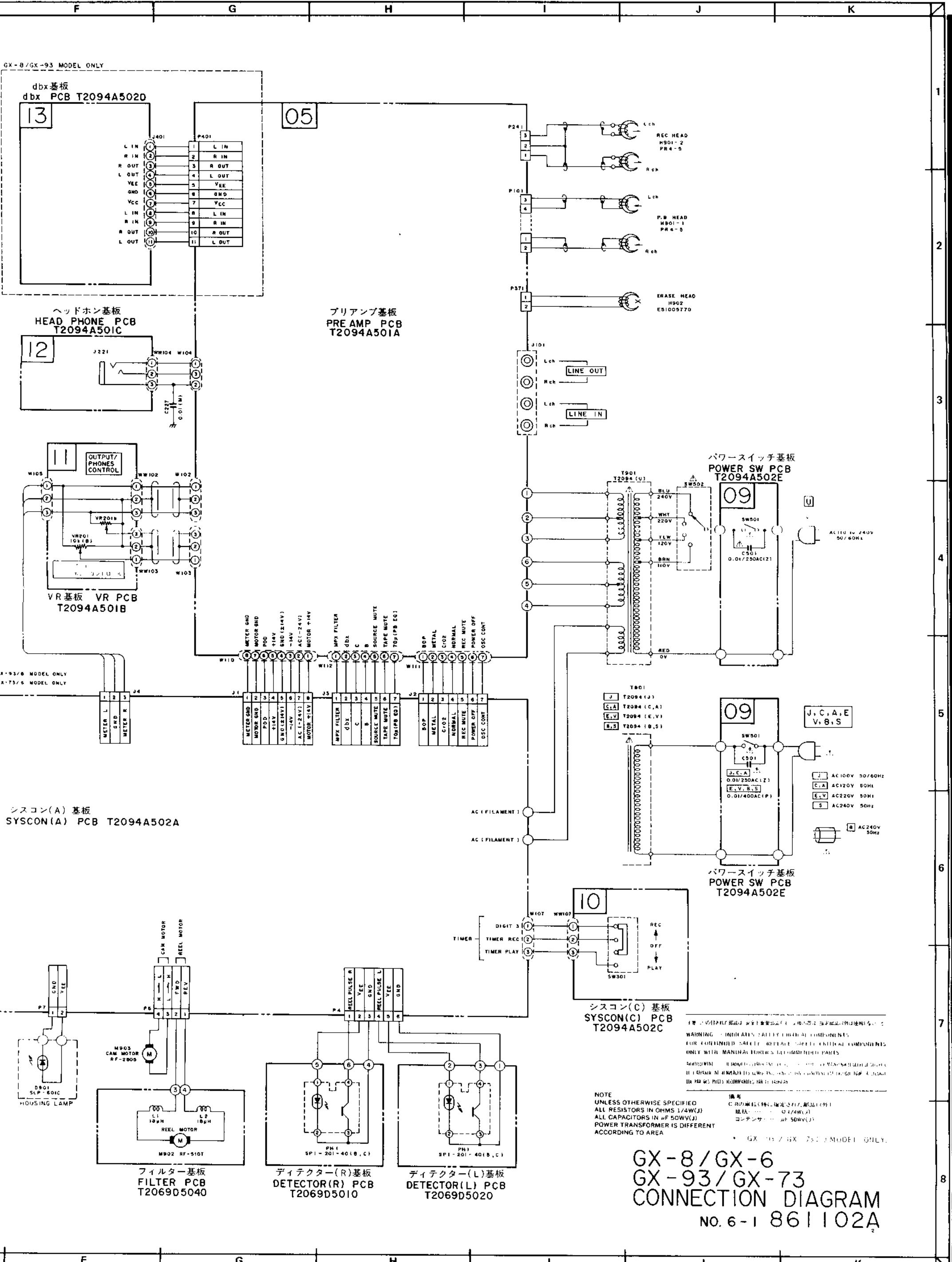
WW2221

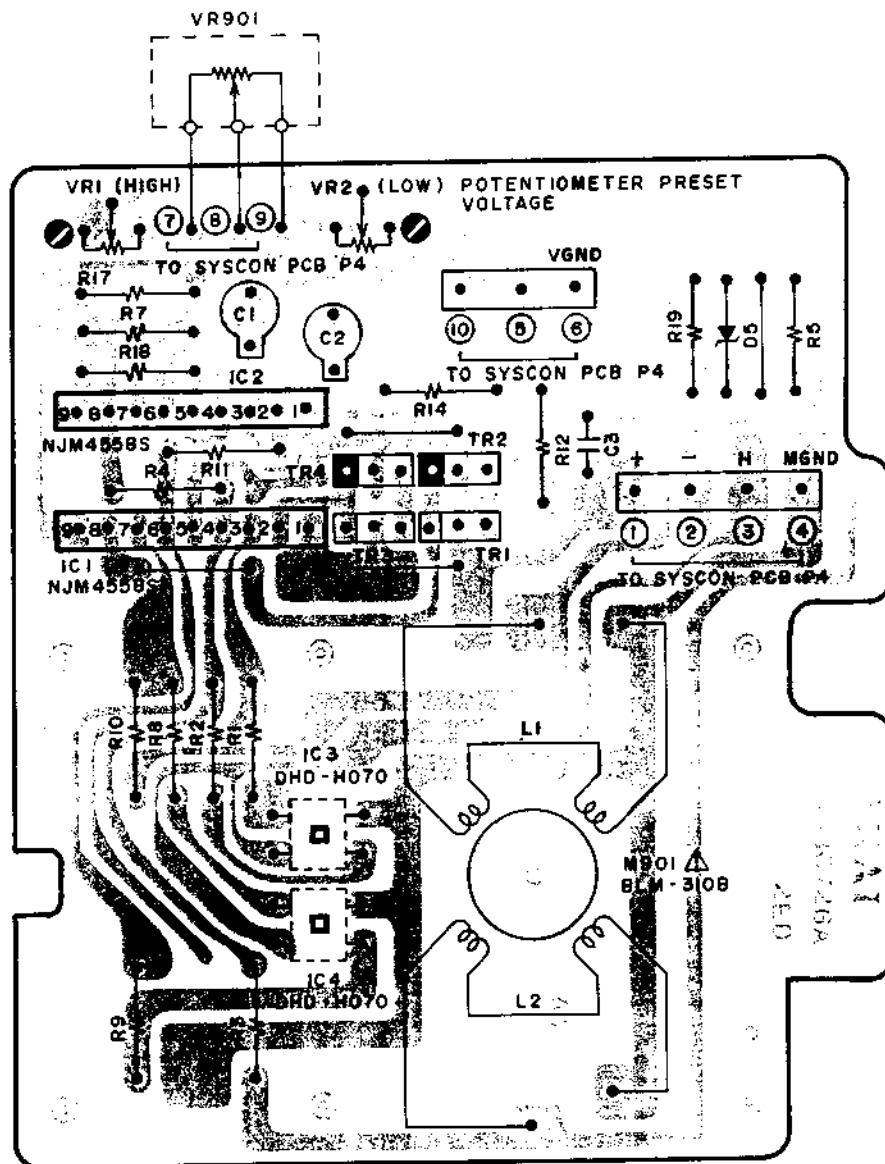
WW2222

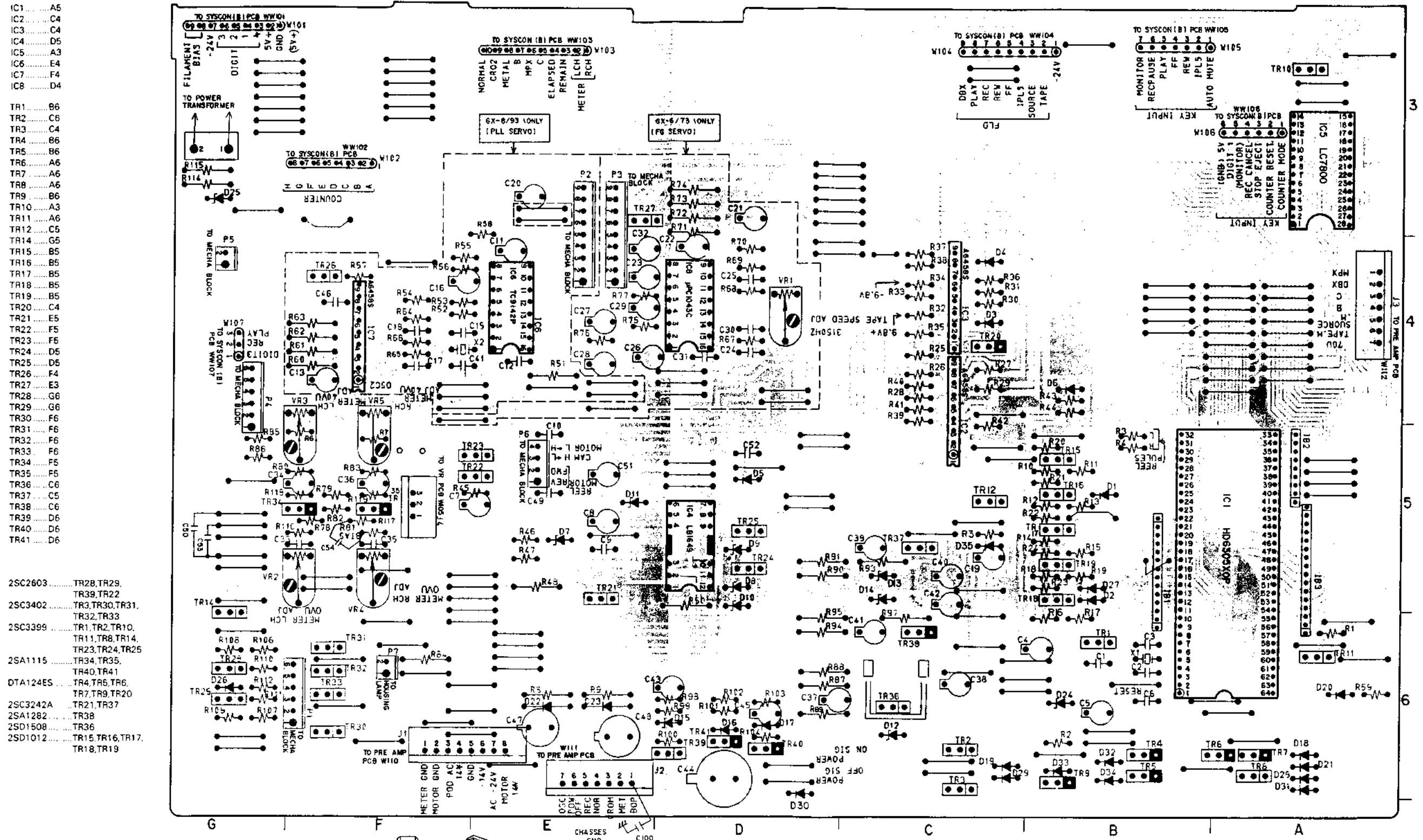
WW2223

WW2224

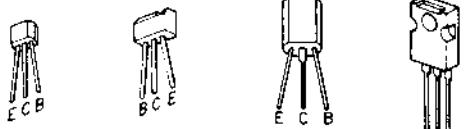
WW2225







 = NPN TRANSISTOR



2SC2603  
2SC3402  
2SC3399  
2SA1115  
2SD1012

2SC3242A  
2SA1282

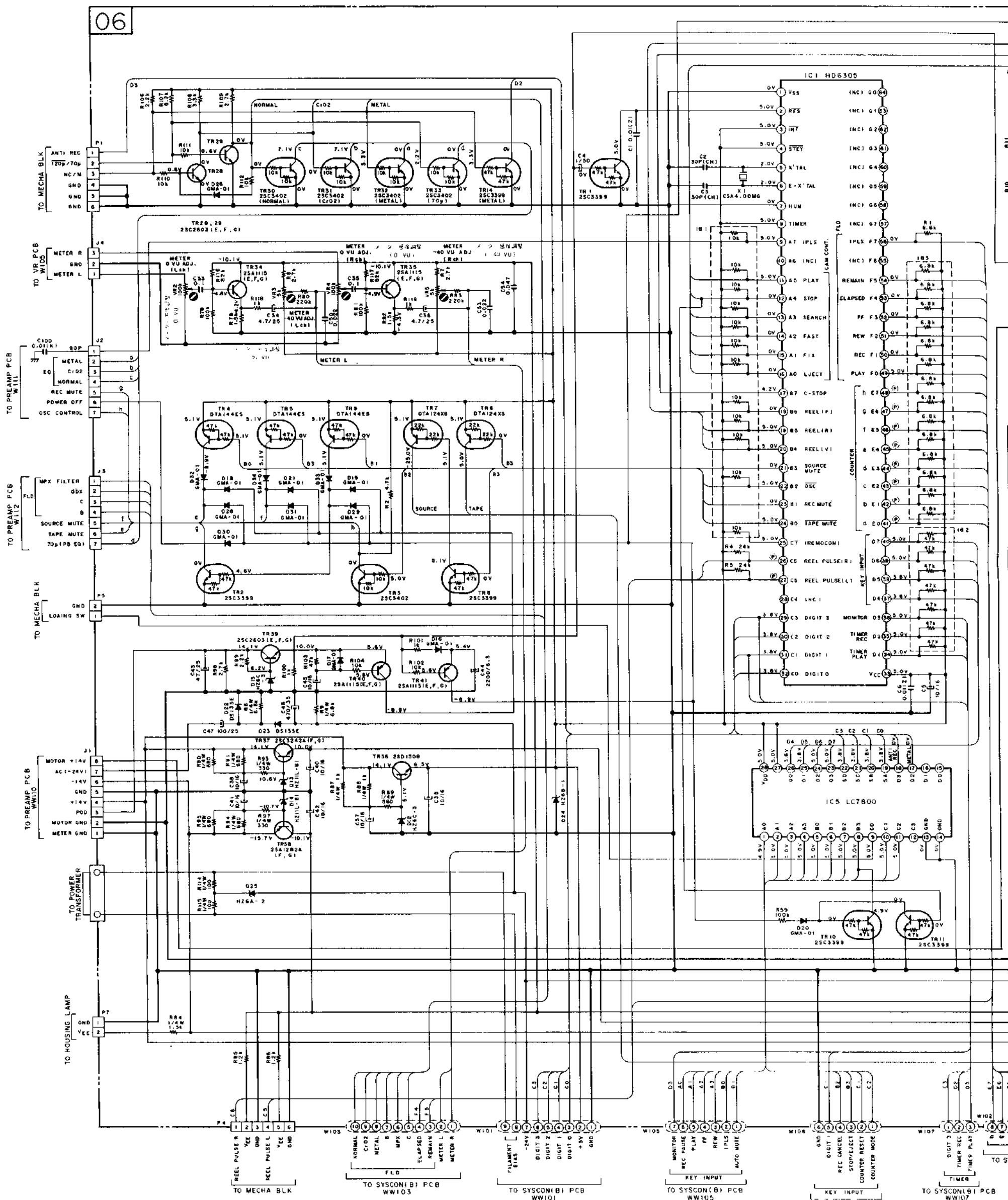
$E_{C_B}$   
2SD1508

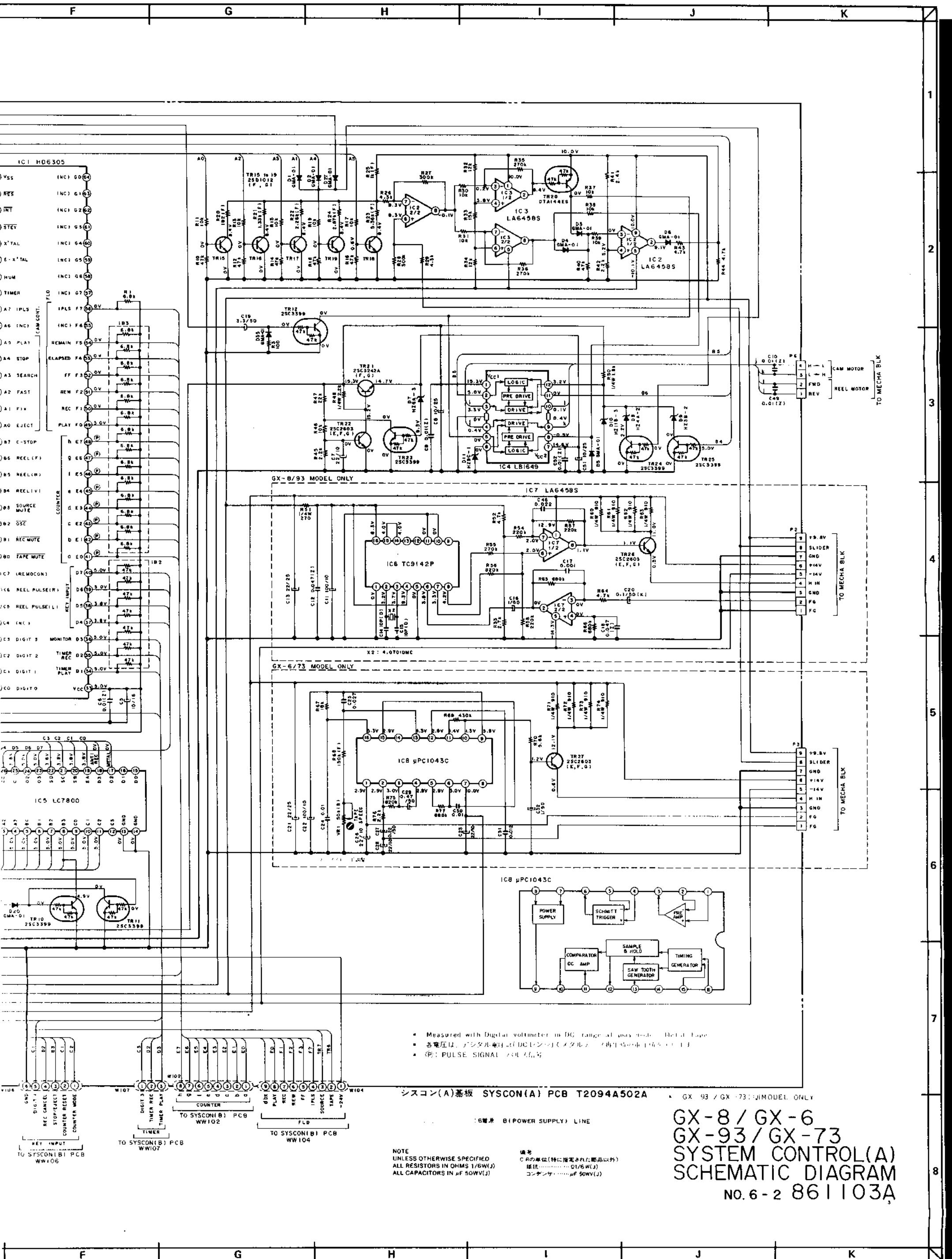
1508

SYSCON (A) PCB T2094A502A

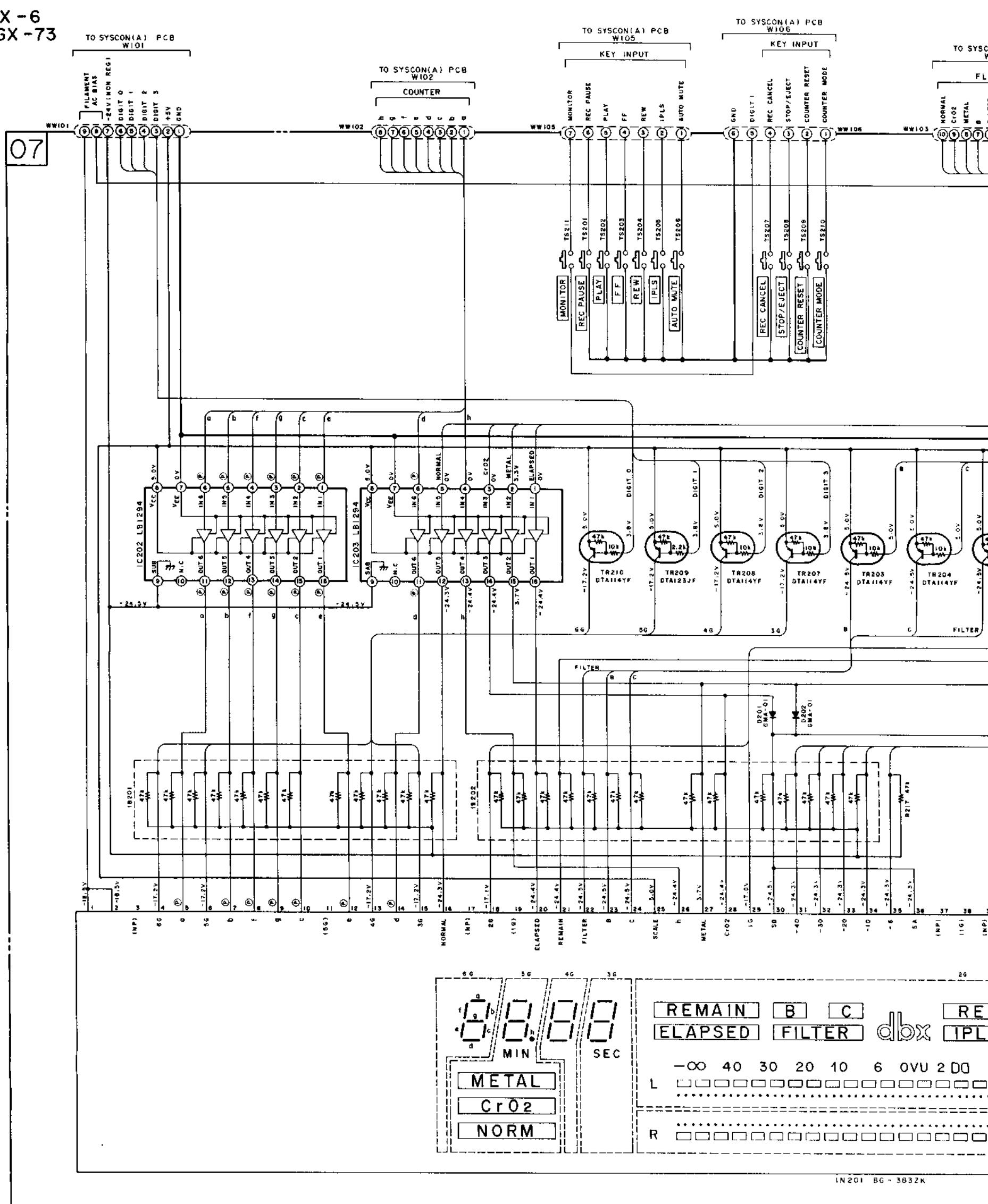
シスコン(A)基板

GX-8/GX-6  
GX-93/GX-73



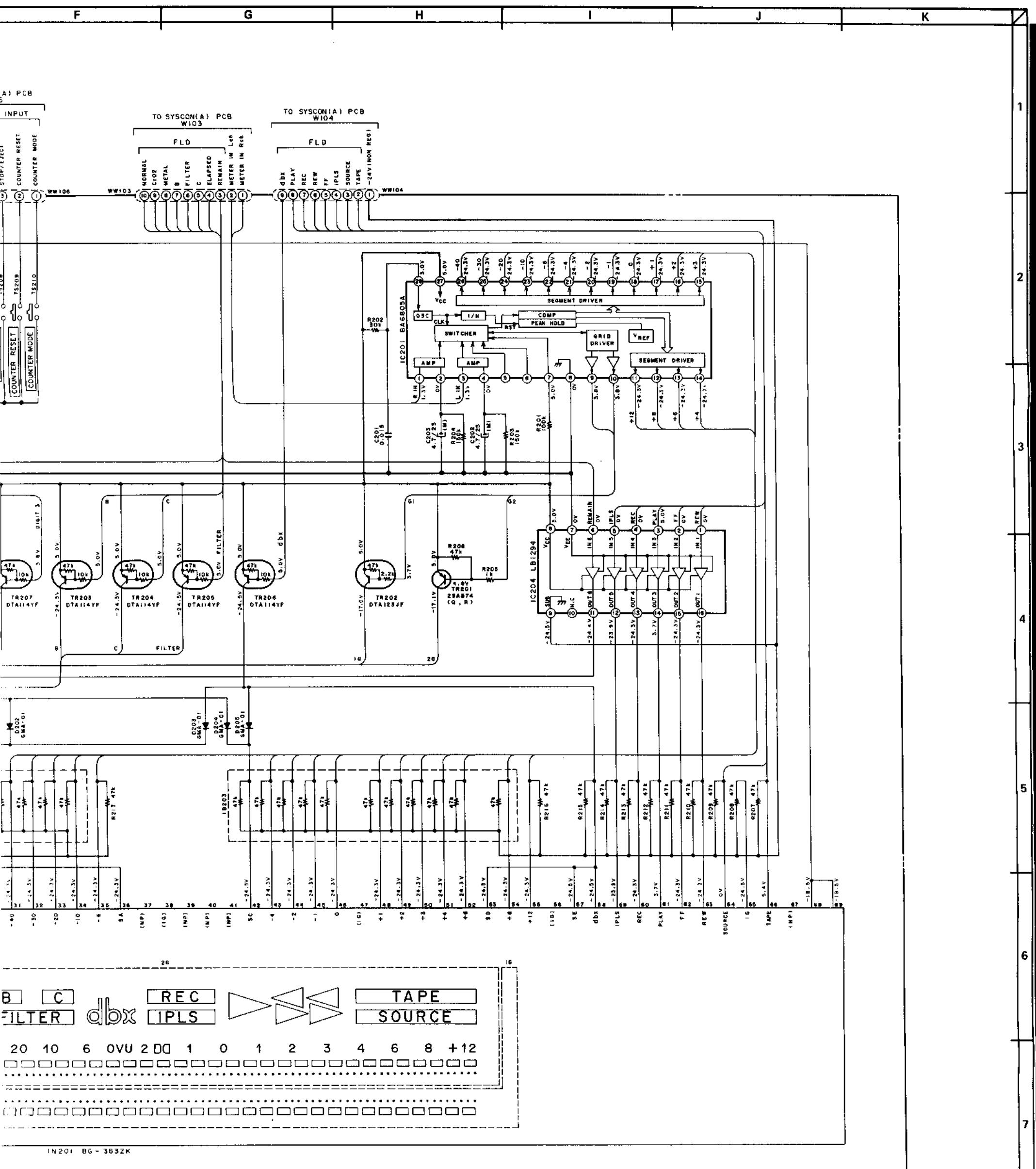


GX - 8 / GX - 6  
GX - 93 / GX - 73



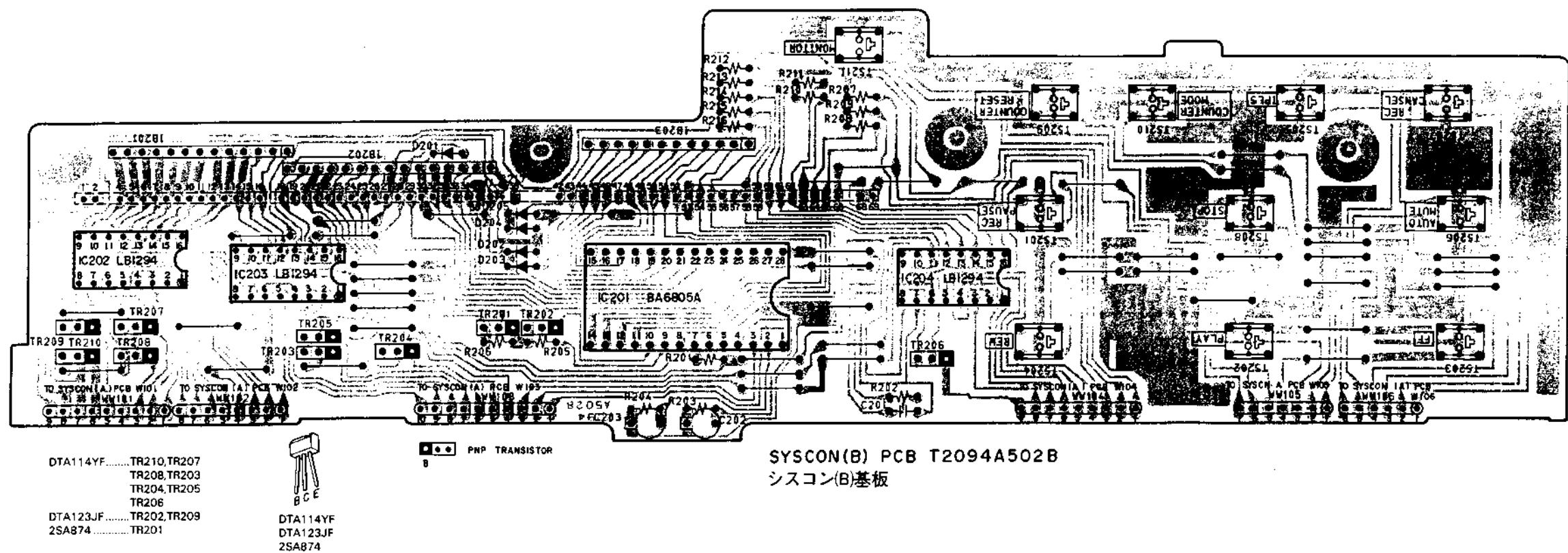
SYSCON(B) PCB T2094A502B  
シスコン(B)基板

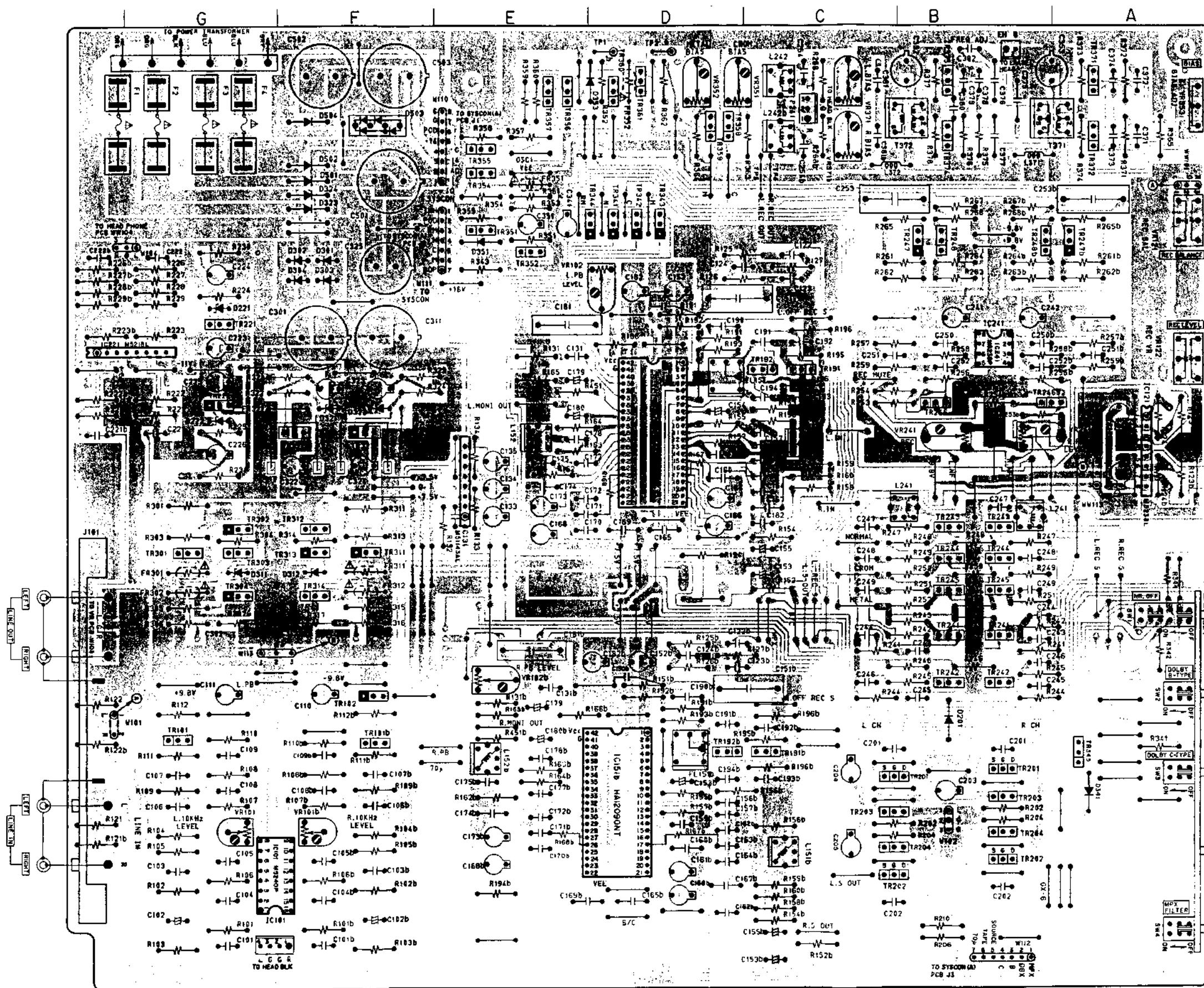
B (POWER SUPPLY) LINE



GX-8/GX-6  
GX-93/GX-73  
SYSTEM CONTROL(B)  
SCHEMATIC DIAGRAM  
NO. 6-3 861104A

備考  
C.Rの単位(特に指定された部品以外)  
抵抗 ..... Ω/6W(J)  
コンデンサ .....  $\mu$ F 50MV(J)





PRE AMP PCB T2094A501A  
プリアンプ基板

□ PNP TRANSISTOR  
△ NPN TRANSISTOR  
■ FET  
S G D

IC101...F6  
IC121...A3  
IC131...E3  
IC151...D3  
IC221...G3  
IC241...B3

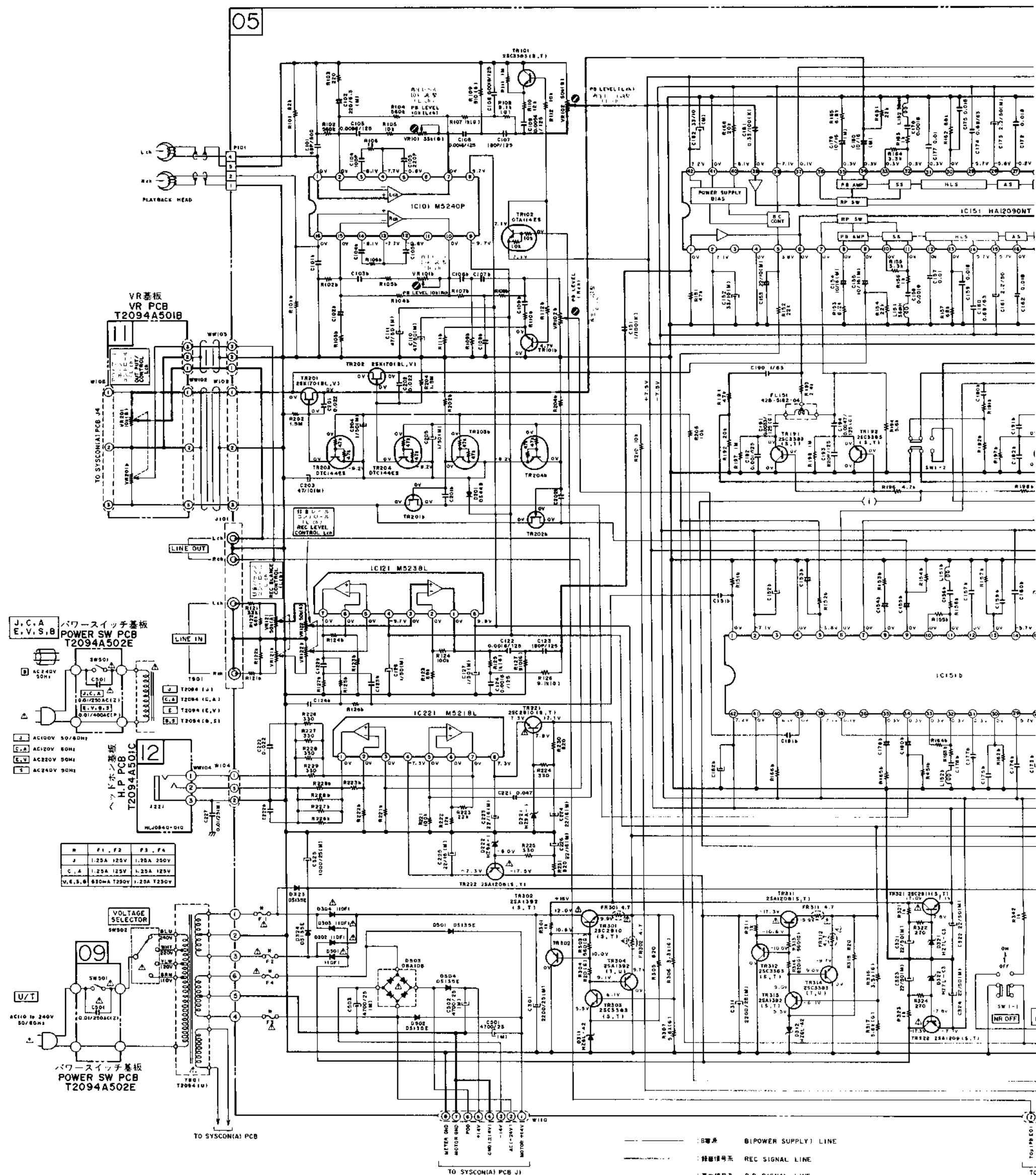
TR101...G5  
TR101b...F5  
TR102...F5  
TR191...C3  
TR191b...C5  
TR192...C3  
TR201...C5  
TR201b...B5  
TR202...C6  
TR202b...B6  
TR203...C5  
TR203b...B5  
TR204...C6  
TR204b...B6  
TR211...C2  
TR222...G3  
TR241...B4  
TR241b...B4  
TR242...B5  
TR242b...B5  
TR243...B4  
TR243b...B4  
TR244...B4  
TR244b...B4  
TR245...B4

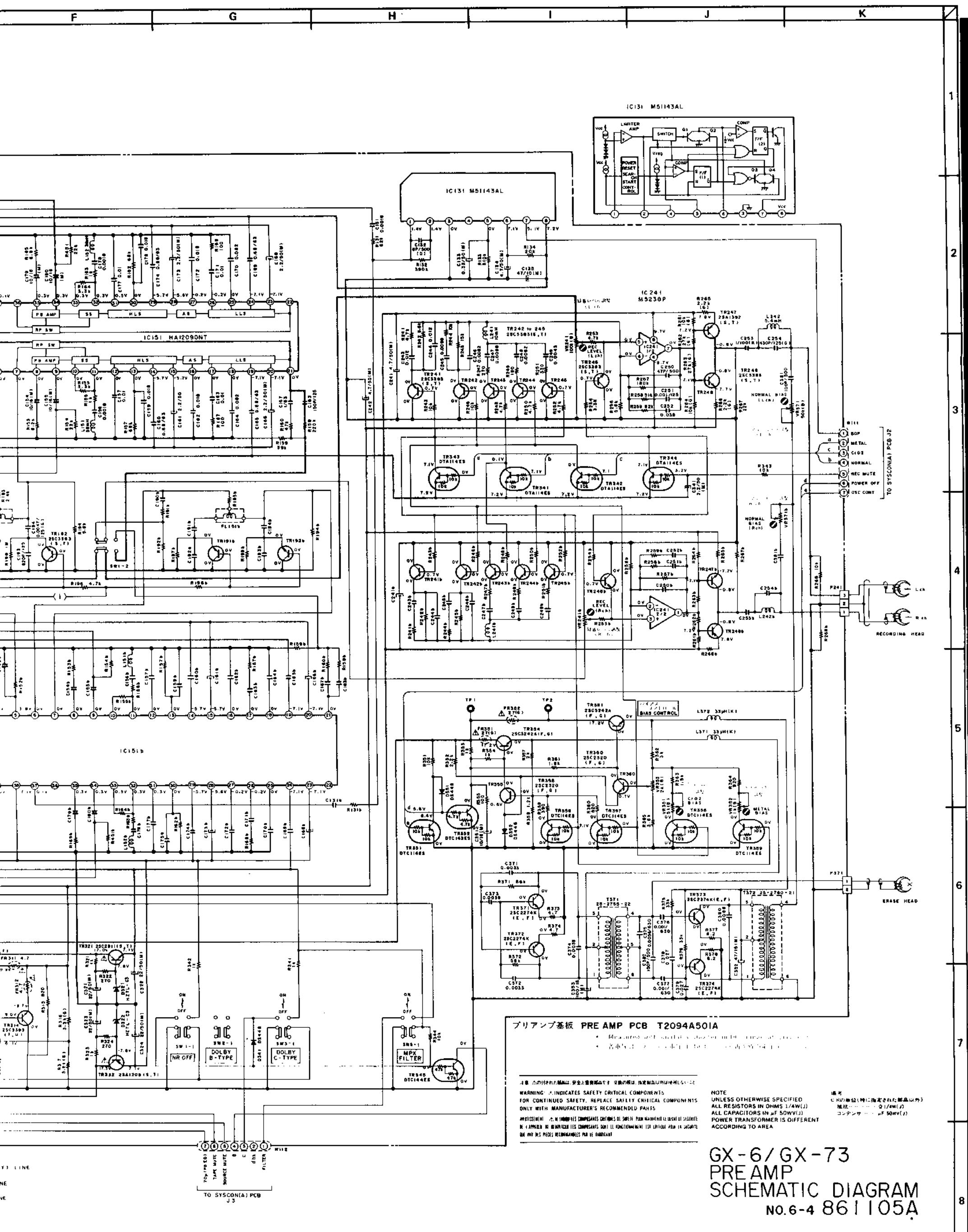
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2SC2320  
2SC2274

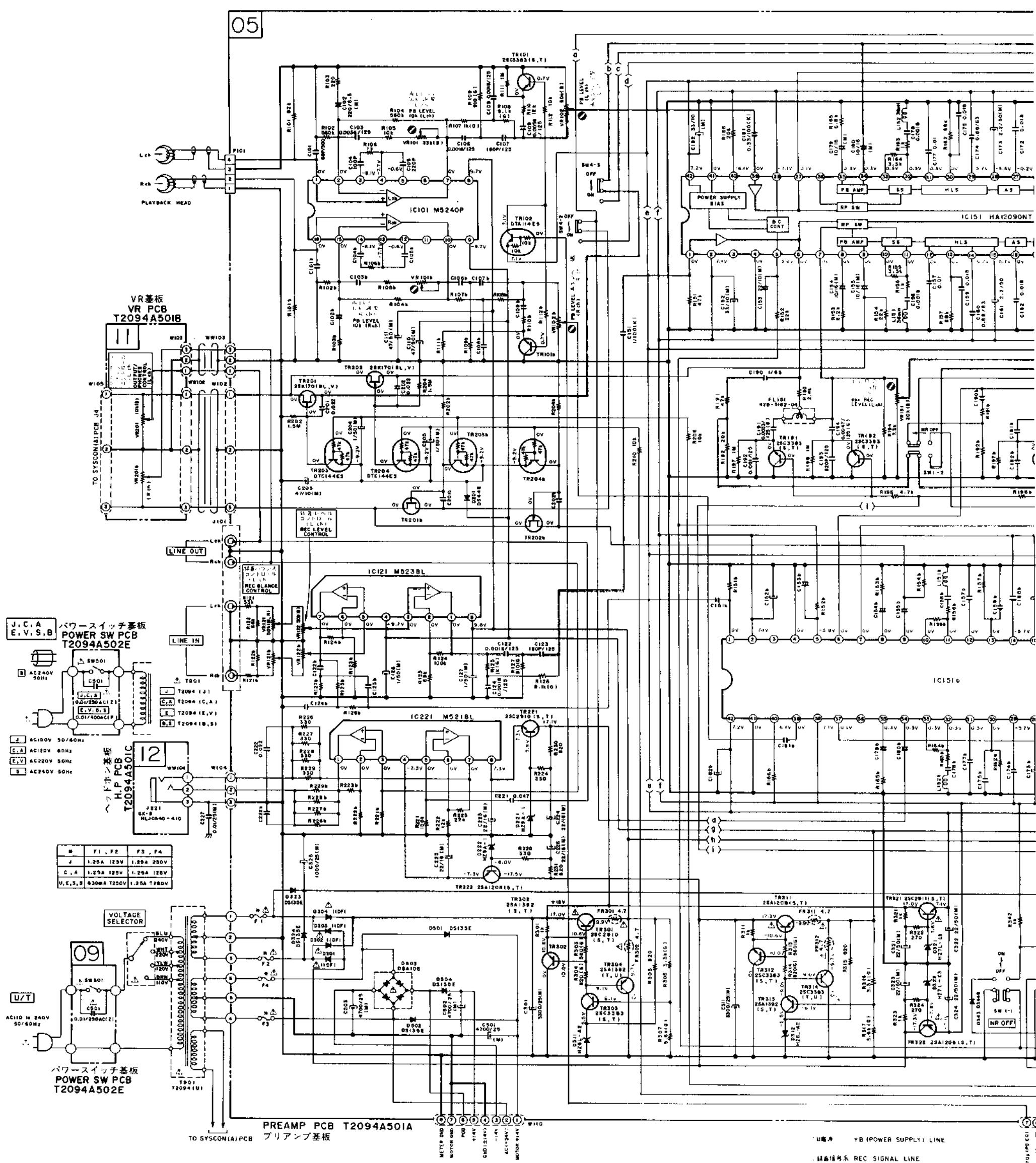
2SC2910  
2SA1208  
2SC3242

DTC144ES  
DTC143ES  
DTC114ES  
DTA114ES

2SC389  
TR101,TR101b,TR303,  
TR312,TR314,TR191b,  
TR191b,TR192,TR192b,  
TR246,TR248b,TR247,  
TR247b,TR245,TR245b,  
TR244,TR244b,TR243,  
TR243b,TR242,TR242b,  
TR241,TR241b,TR241c,  
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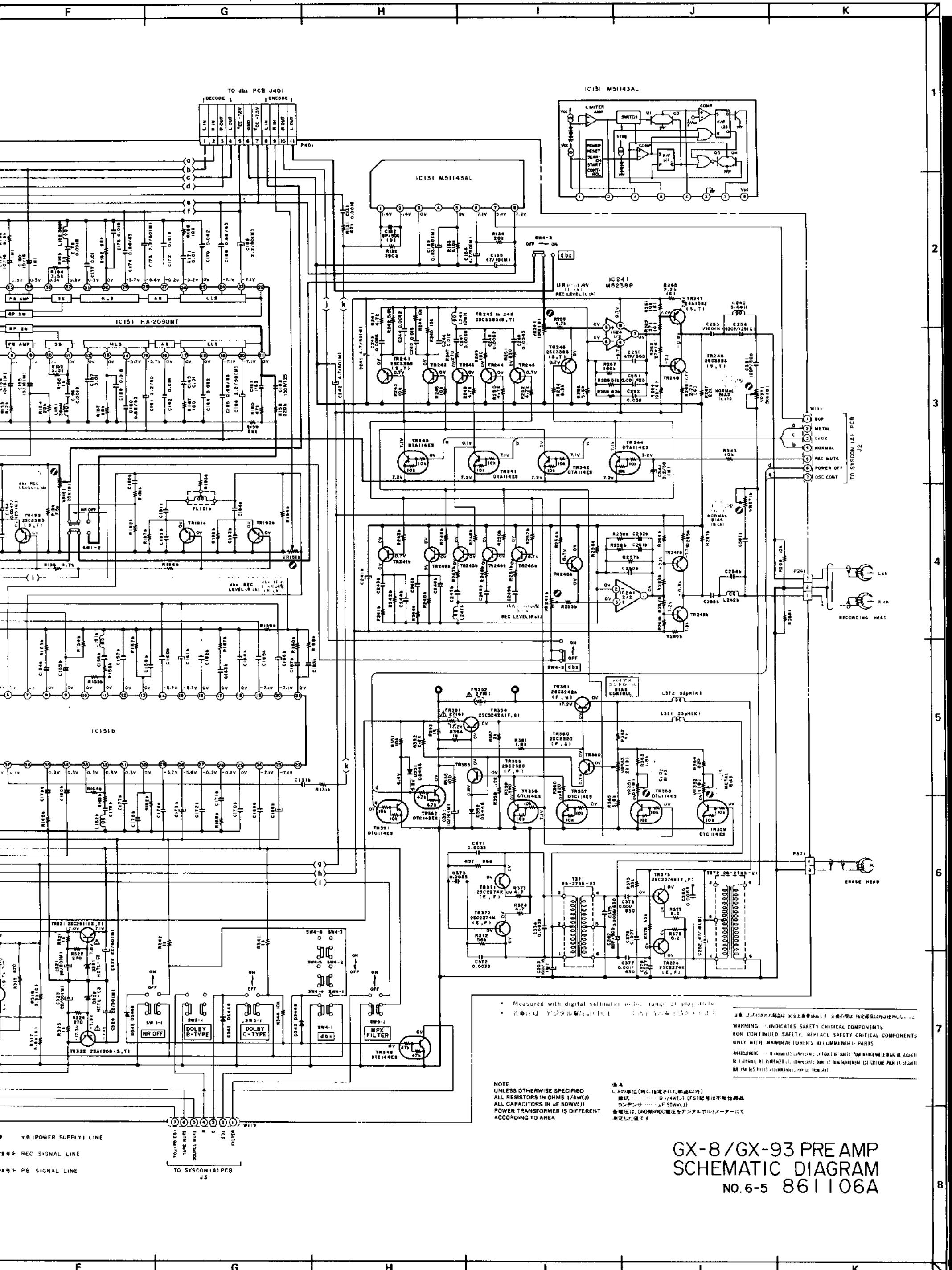


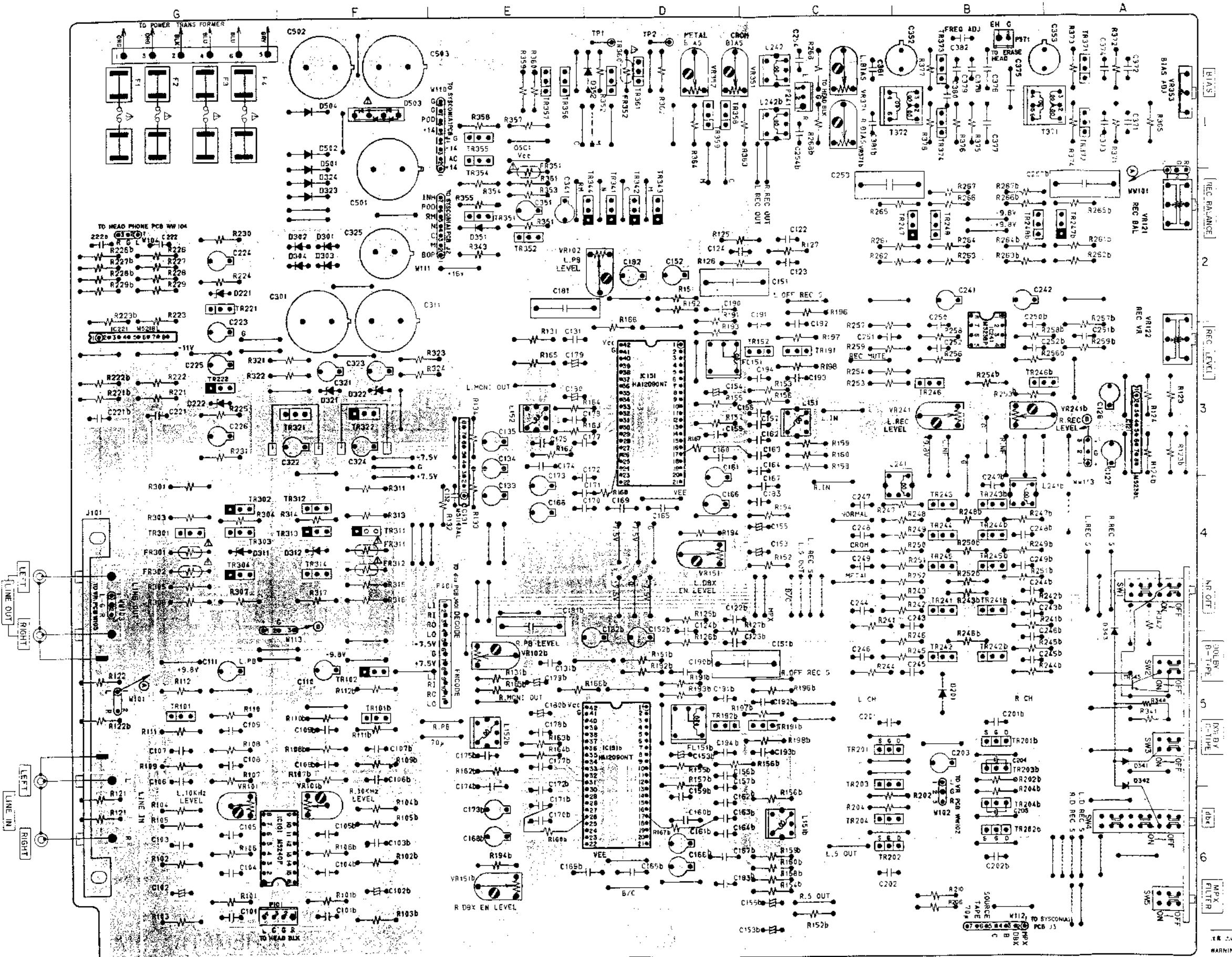




PREAMP PCB T2094A501A  
プリアンプ基板

TO: SYSTEM 111-BGP-11





PRE AMP PCB T2094A501A

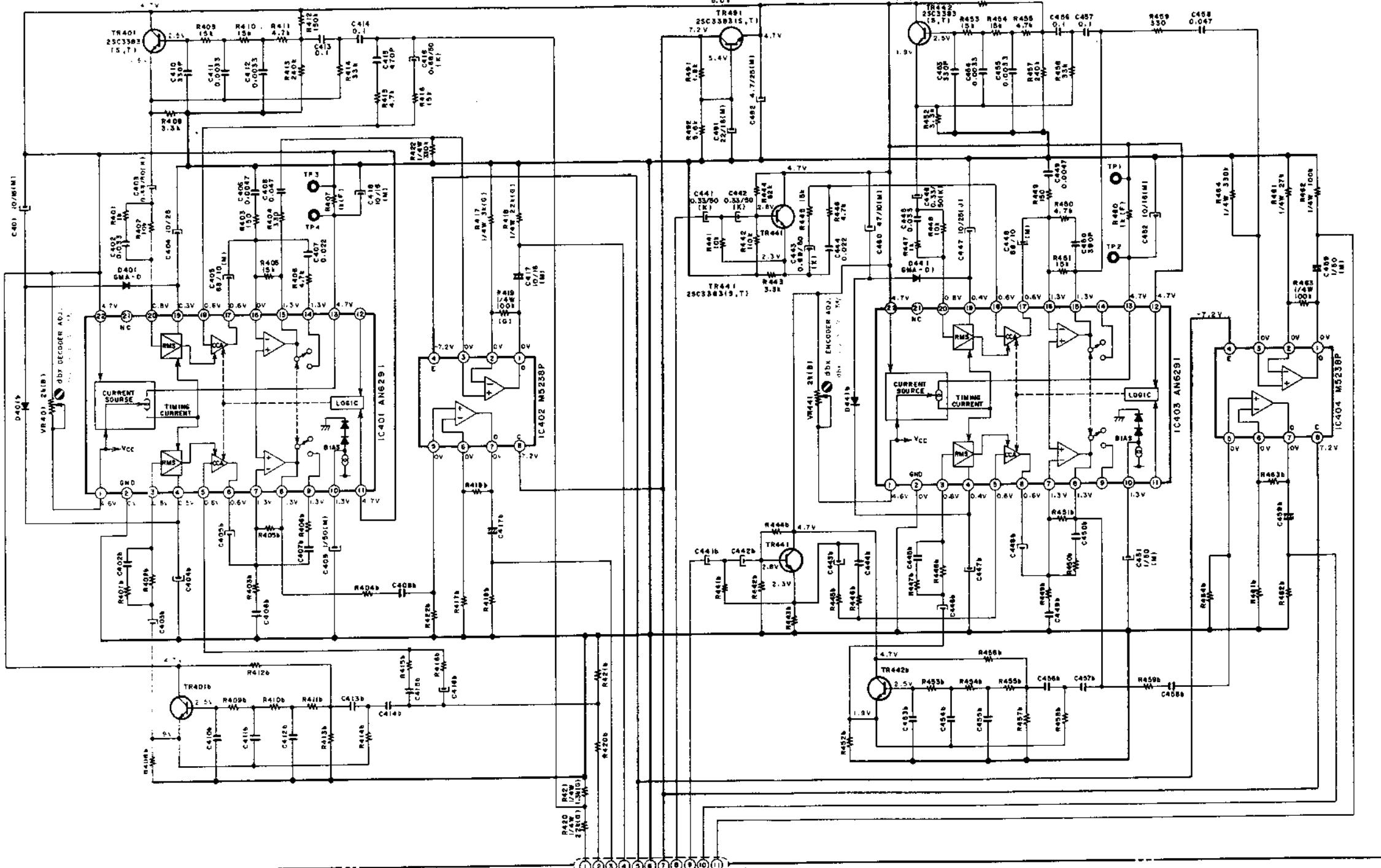
プリアンプ基板

 PNP TRANSISTOR  
NPN TRANSISTOR  
FET  
S G D

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

**AVERTISSEMENT** - NE PAS FAIRE DES COMBINAISSES DIFFÉRENTES DE SOUTIEN POUR MAINTIENIR LE DESSUS DE L'APPAREIL. NE REFAIRE PAS DES COMBINAISSES DONT LE FONCTIONNEMENT EST DÉTROUVE PAR UN EXPERT QUI NE FAIT PAS SES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

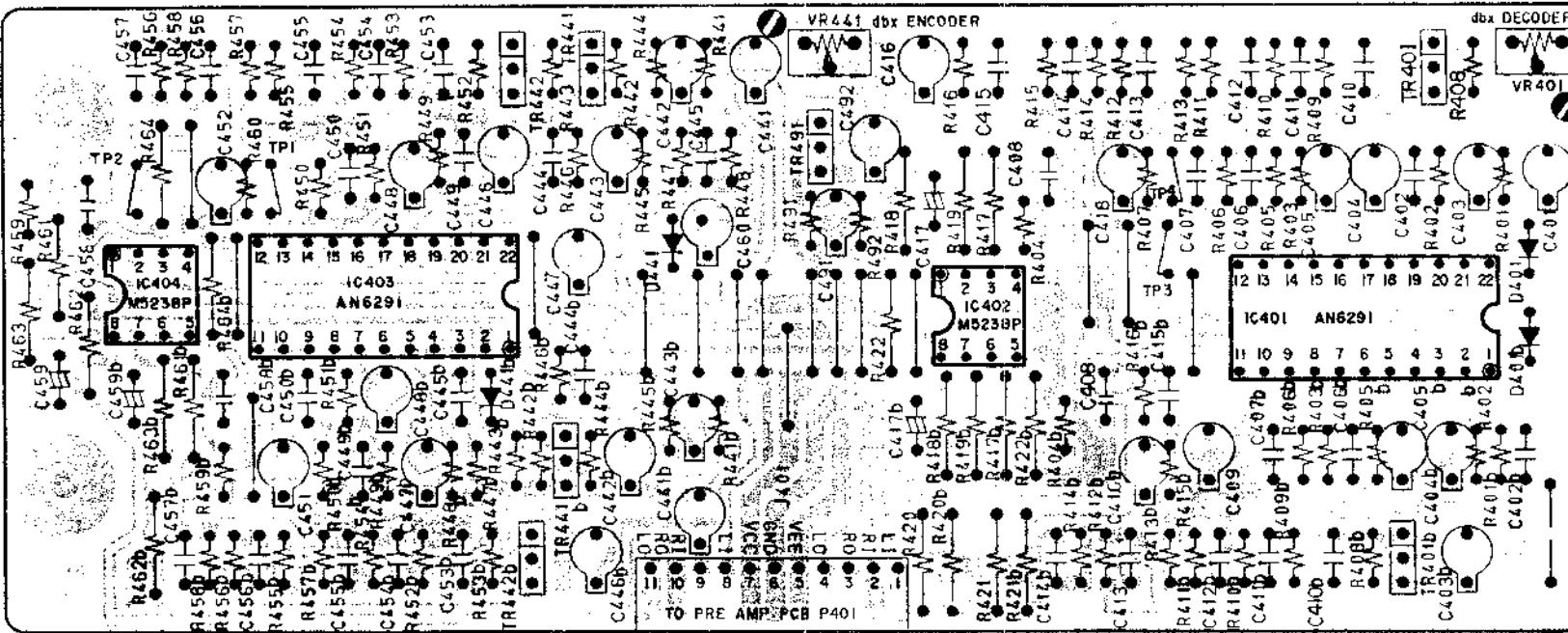
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NOTE  
UNLESS OTHERWISE SPECIFIED  
ALL RESISTORS IN OHMS 1/6W(J)  
ALL CAPACITORS IN  $\mu$ F 50WV(J)

備考  
C.Rの単位(特に指定された部品以外)  
抵抗 ..... 1/6W(J)  
コンデンサ .....  $\mu$ F 50WV(J)

GX-8/GX-93 dbx  
SCHEMATIC DIAGRAM  
NO.6-6 861107A



dbx PCB T2094A502D

dbx基板

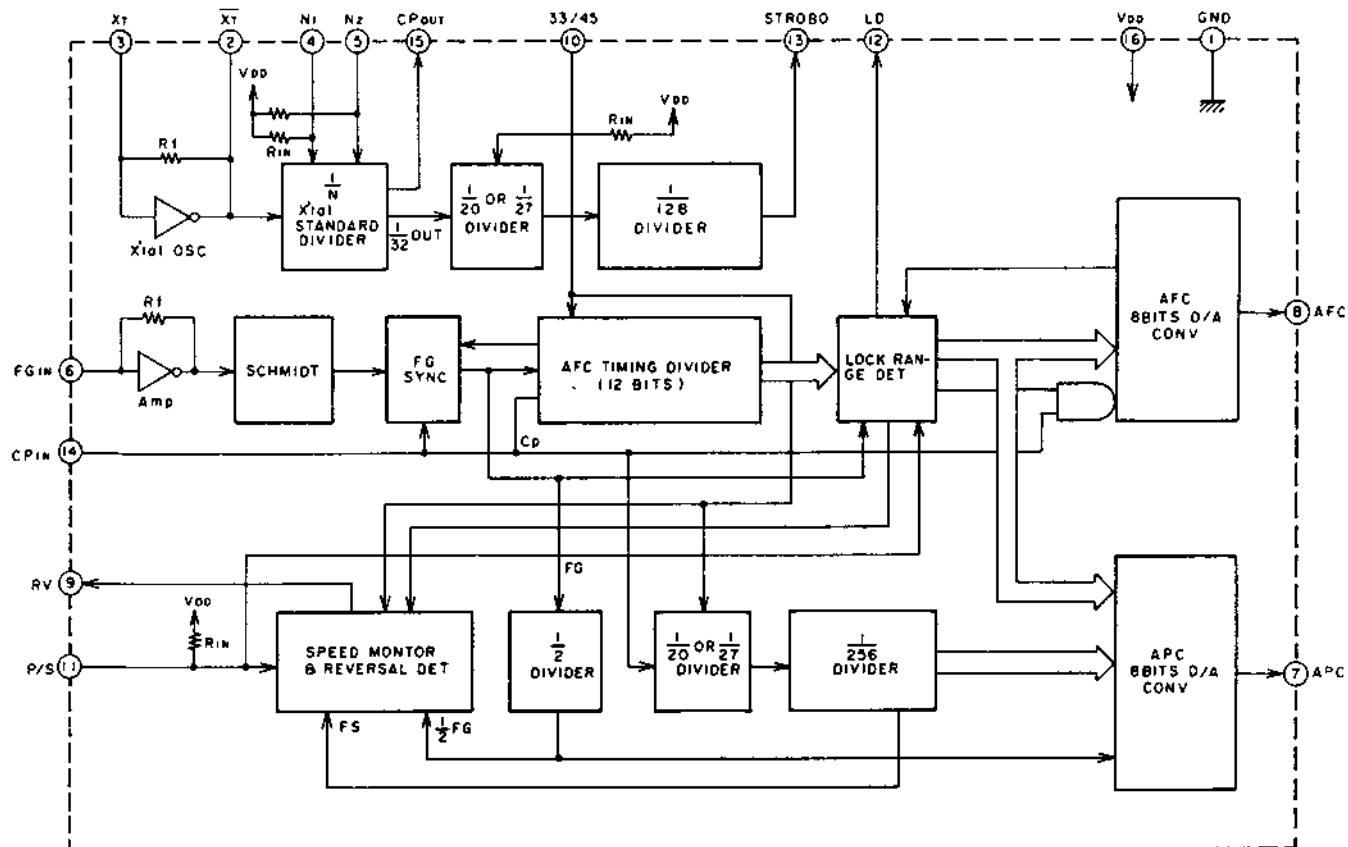
■ NPN TRANSISTOR  
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2SC3383

2SC3383 ..... TR401,TR401b,  
TR491,TR442,  
TR442b,TR441,  
TR441b,

TC9142P



LC7800

