

SERVICE MANUAL

PARTS LIST



AKAI CASSETTE TAPE DECK

MODEL **GXC-510D**

ALSO APPLICABLE TO MODEL GXC-505D,
GXC-502D, GXC-500D AND GXC-500



CASSETTE TAPE DECK

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ALSO APPLICABLE TO MODEL GXC-505D, GXC-502D, GXC-500D
CASSETTE TAPE DECKS AND GXC-500 CASSETTE TAPE RECORDER

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SECTION 1

SERVICE MANUAL

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I. SPECIFICATIONS

An asterisk next to a figure indicates the minimum guaranteed performance.

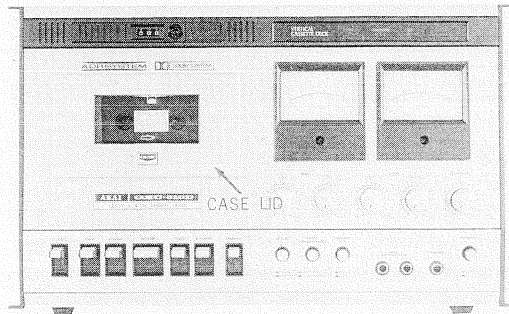
TRACK SYSTEM	4-track 2-channel stereo system
TAPE SPEED	1-7/8 ips. (4.75 cm/sec.) $\pm 1\%$ *1-7/8 ips. (4.75 cm/sec.) $\pm 3\%$
WOW AND FLUTTER	Less than 0.08% W.R.M.S. *Less than 0.24% W.R.M.S.
TOTAL WOW AND FLUTTER	*Less than 0.3% W.R.M.S.
FREQUENCY RESPONSE	CHROME TAPE 30 to 16,000 Hz ± 3 dB *50 to 14,000 Hz ± 4 dB LOW NOISE TAPE 30 to 14,000 Hz ± 3 dB *50 to 13,000 Hz ± 4 dB
DISTORTION FACTOR	Less than 1.0% 1,000 Hz "0" VU
TOTAL DISTORTION FACTOR	*Less than 5% CHROME TAPE *Less than 3% LOW NOISE TAPE
PLAYBACK OUTPUT LEVEL	LINE 0.775V(0 ± 2 dB) using a 333 Hz "0" VU recorded tape DIN 0.775V(0 ± 2 dB) using a 333 Hz "0" VU recorded tape 0.55V(-3 ± 2 dB) using a 333 Hz "0" VU recorded tape---MODEL GXC-505D
HEADPHONE OUTPUT	30 mV/8 Ω using a 333 Hz "0" VU recorded tape
INPUTS	MIC More than 0.5 mV LINE More than 60 mV DIN More than 4 mV
RECORDING PLAYBACK LEVEL	CHROME TAPE -3 ± 1.5 dB 1,000 Hz "0" VU recording; LOW NOISE TAPE 0 ± 2 dB 1,000 Hz "0" VU recording
SIGNAL TO NOISE RATIO	Better than 50 dB *Better than 43 dB
TOTAL SIGNAL TO NOISE RATIO	*Better than 40 dB
CROSS TALK	Better than 25 dB 1,000 Hz 3 VU recording
ERASE RATIO	Better than 70 dB
RECORDING BIAS FREQUENCY	61 ± 3 kHz
BIAS LEAK	Less than -20 VU
RECORDING CAPACITY	90 min. stereo recording using a C-90 cassette tape
F.FWD AND RWD. TIME	80 sec. using a C-90 cassette tape
HEADS	RECORDING/PLAYBACK HEAD 4-track 2-channel GX recording/playback head Type: P4-341 Gap: 1.7 microns Impedance: 1,000 Ω $\pm 20\%$ at 1 kHz D.C. Resistance: 190 Ω ERASE HEAD 2-track 1-channel erase head Type: ME-136A Gap: 0.3 mm Impedance: 330 Ω $\pm 10\%$ at 50 kHz D.C. Resistance: 8 Ω $\pm 30\%$
MOTOR	Hysteresis Synchronous outer rotor motor Type: HM1-12CS Revolutions: 1,500/1,800 r.p.m. at 50/60 Hz
TRANSISTORS AND F.E.T. (Model GXC-505D shown in parentheses)	2SA628(E) (F) 2(0) 2SC1096(K) (L) . . . 2(2) 2SA733(P) (Q) (R) . . . 1(1) 2SC1312R(G) (H) . . . 6(2) 2SC711(E) (F) (G) . . . 19(7) 2SC1312S(G) (H) . . . 4(4) 2SC945(P) (Q) (R) . . . 2(2) 2SK30A(GR) 2(0)
DIODES (Model GXC-505D shown in parentheses)	1N34A . . . 8(2) WG599 1(1) 1N4001 . . . 4 (4) WG713 . . . 1(1) 1S2473VE . . . 18(0) WZ085 . . . 2(0) 10D05 . . . 1(1) WZ192 1(1)
POWER SUPPLY	100 to 240V A.C. 50/60 Hz for Universal Models 100V A.C. 50/60 Hz for JPN Models 220V A.C. 50 Hz for CEE Models 120V A.C. 60 Hz for CSA Models Notice: CEE, CSA Models come in Model GXC-510D only
POWER CONSUMPTION	20W. . . GXC-510D 16W. . . GXC-505D
DIMENSIONS	414(W) x 257(H) x 132(D)mm (16.4" x 10.1" x 5.2") --- GXC-510D 414(W) x 257(H) x 152 (D)mm (16.4" x 10.1" x 6") --- GXC-505D
WEIGHT	6.8 kg(15 lbs.) --- GXC-510D 6.3 kg(14 lbs.) --- GXC-505D

NOTE: Specifications subject to change without notice.

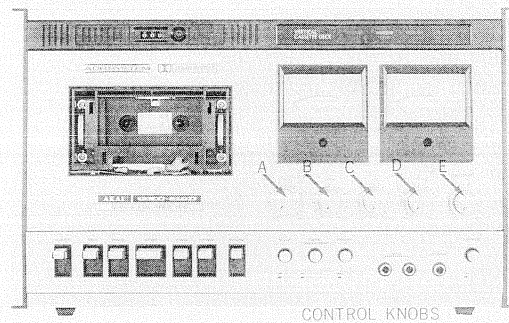
II. DISMANTLING OF UNIT

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

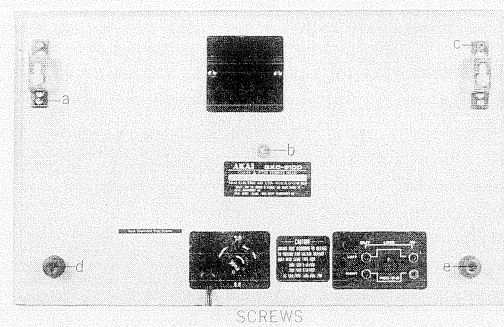
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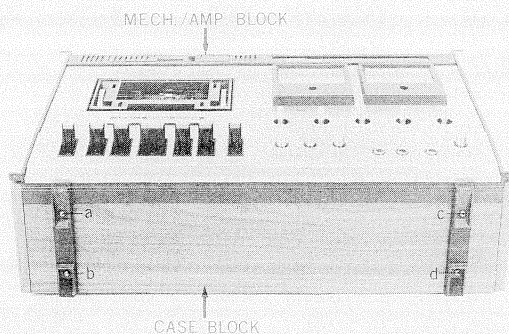
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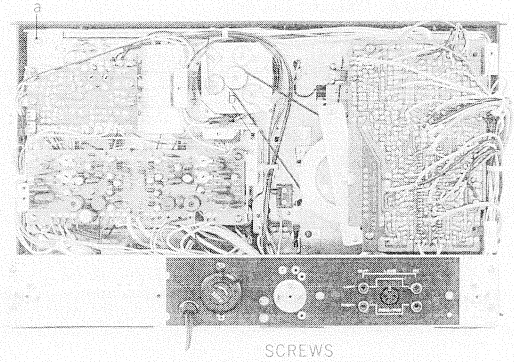
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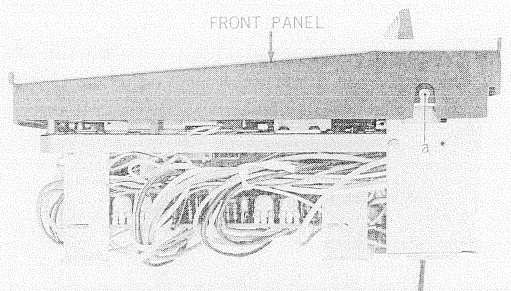
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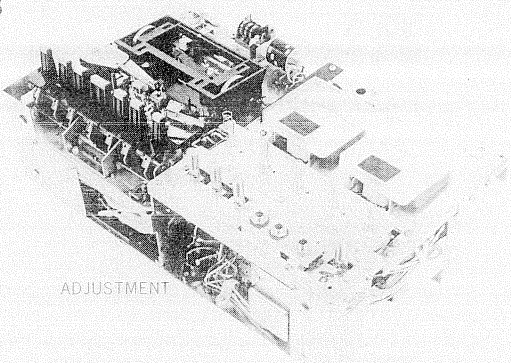
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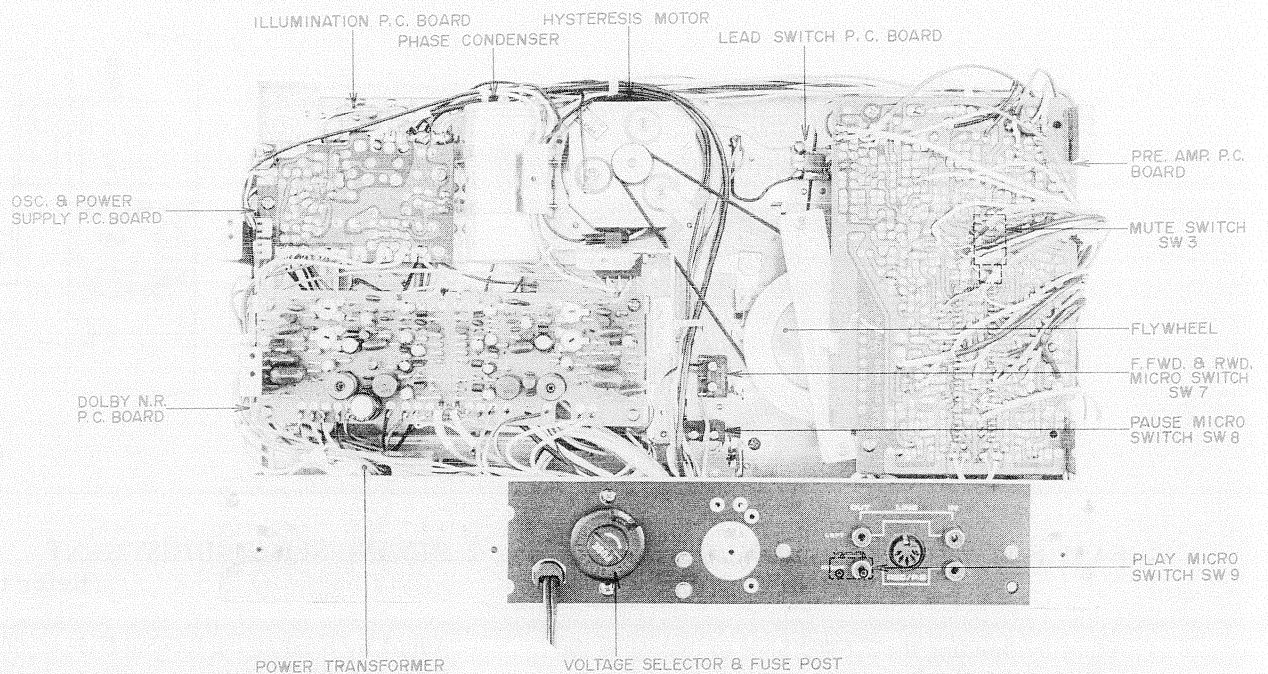
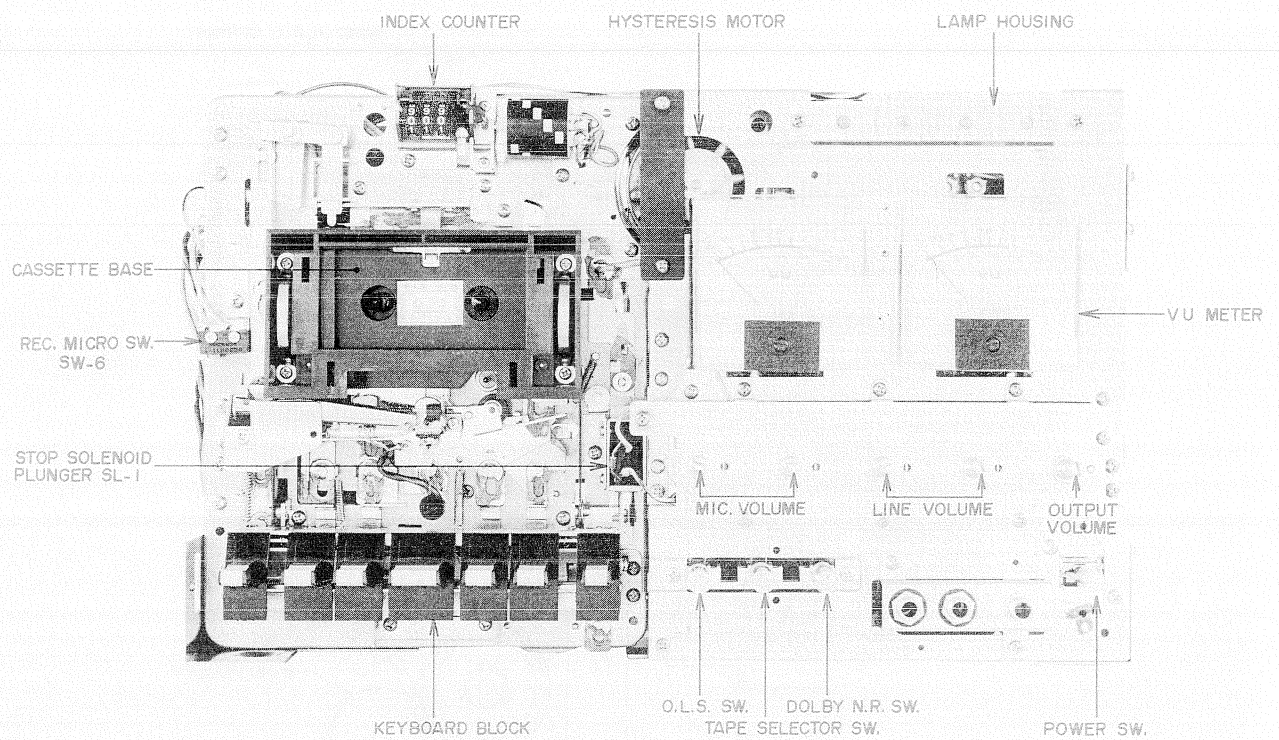
7



8



III. ARRANGEMENT OF PRINCIPAL PARTS



IV. MECHANISM ADJUSTMENTS

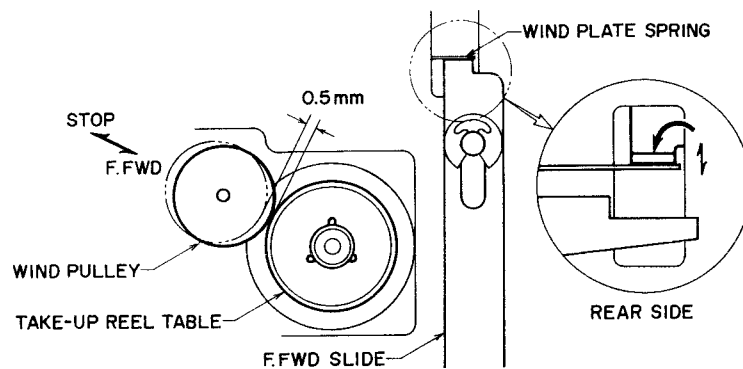


Fig. 1

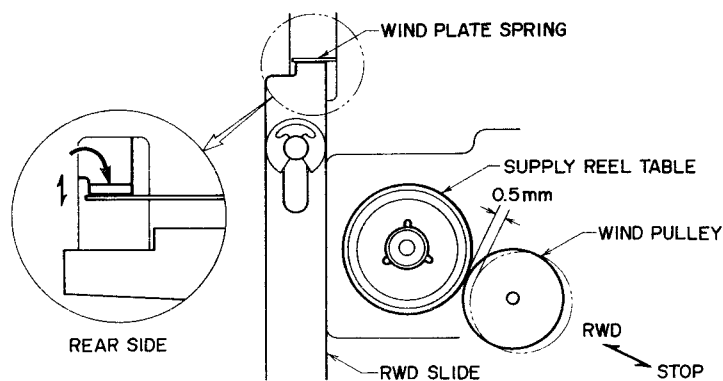


Fig. 2

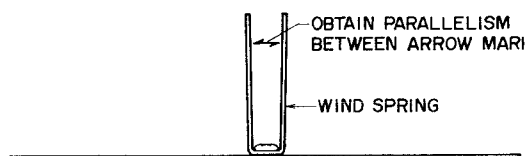


Fig. 3

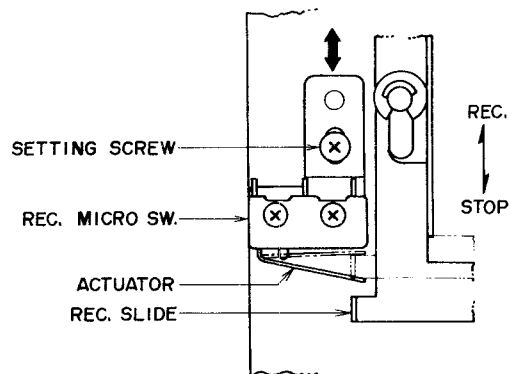


Fig. 4

1. FAST FORWARD SLIDE ADJUSTMENT (Refer to Fig. 1)

Adjust by bending the F.FWD Slide so that when the F.FWD and STOP Buttons are gently braked simultaneously, the wind pulley separates from the take-up reel table and this gap width is 0.5 mm.

2. REWIND SLIDE ADJUSTMENT (Refer to Fig. 2)

Adjust by bending the Rewind Slide so that when the RWD and STOP Buttons are gently braked simultaneously, the wind pulley separates from the supply reel table and this gap width is 0.5 mm.

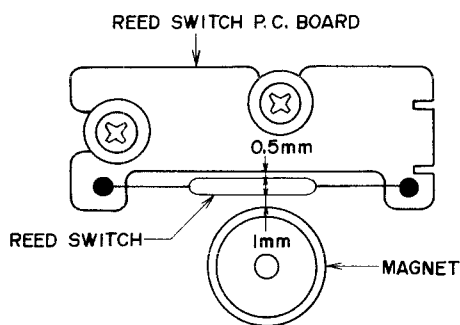


Fig. 5

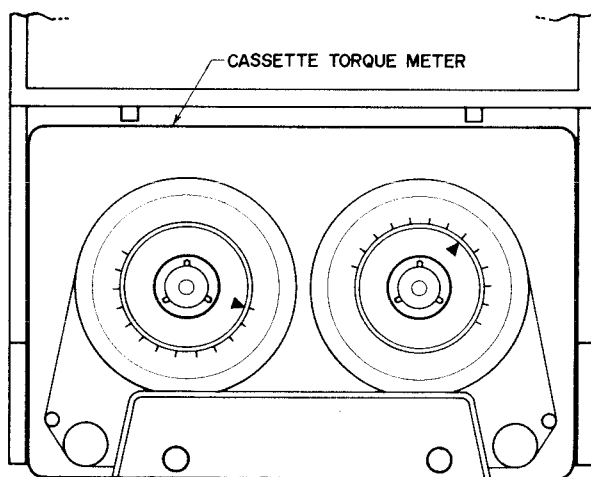


Fig. 7

3. RECORDING MICRO SWITCH POSITION ADJUSTMENT (Refer to Fig. 4)

Set deck to recording mode and move micro switch as indicated by the arrow mark in the figure. Adjust so that the recording slide pushed the micro switch actuator and the micro switch is completely turned ON.

NOTE: The recording slide must not contact the body of the micro switch.

4. REED SWITCH POSITION ADJUSTMENT (Refer to Fig. 5)

Adjust reed switch as shown in Fig. 5.

5. FLYWHEEL VERTICAL LOOSE PLAY CONFIRMATION (Refer to Fig. 6)

Confirm that the gap between the flywheel and flywheel support is more than 1 mm as shown in Fig. 6.

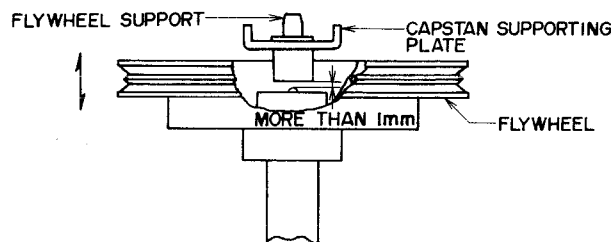


Fig. 6

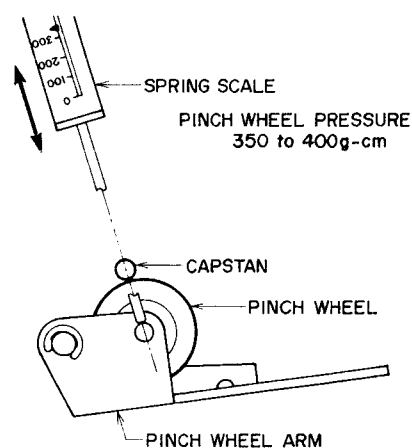


Fig. 8

6. TAKE-UP TORQUE AT VARIOUS MODES AND TORQUE MEASURING METHOD (Refer to Fig. 7)

As shown in Fig. 7, set a cassette torque meter on cassette base and take a reading of the indication (▲ mark) at each respective mode.

NOTE: Take the torque meter indication value plus 10 gr-cm as deck take up torque.

7. PINCH WHEEL PRESSURE MEASURING METHOD (Refer to Fig. 8)

As shown in Fig. 8, at playback mode, push the pinch wheel arm toward shaft with a spring scale. Return gently and take a reading of the spring scale indication when the pinch wheel contacts the capstan.

V. HEAD ADJUSTMENT

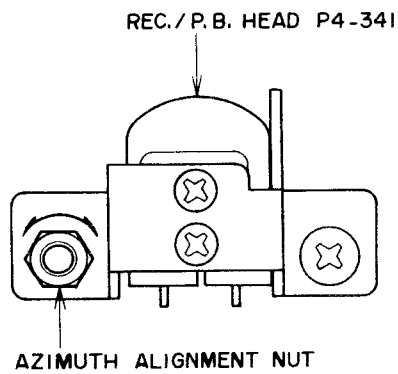


Fig. 9

RECORDING/PLAYBACK HEAD AZIMUTH ALIGNMENT ADJUSTMENT (Refer to Fig.9)

Playback a 10 kHz recorded test tape and adjust azimuth alignment nut so that the line output is maximum on both channels.

NOTES:

- 1) As perfect head adjustments are vital in attaining top tape deck performance, please be sure that these adjustments are properly carried out.
- 2) Be careful not to use a magnetized screw driver or other magnetized tools in the vicinity of the heads.
- 3) Use only new tape as level variation is likely to occur when using old tape.
- 4) Demagnetize heads with a Head Demagnetizer before and after head adjustment.

VI. AMPLIFIER ADJUSTMENT

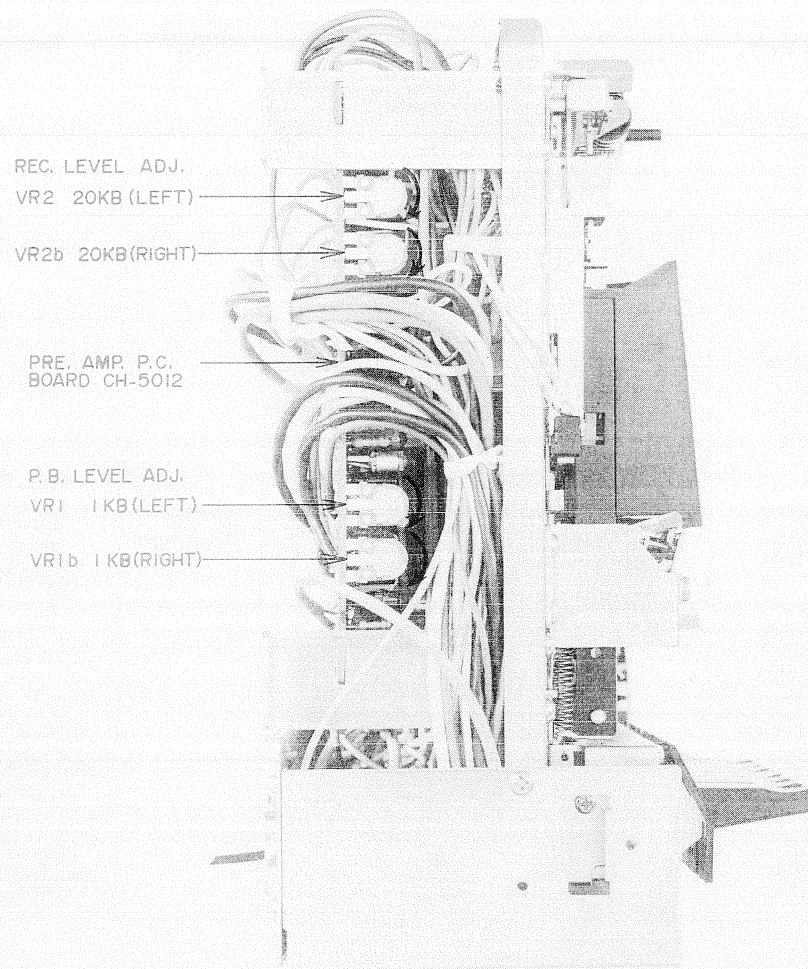


Fig. 10

NOTE: Pre-Amp. P.C. Boards CH-5012 are not interchangeable between models GXC-510D and GXC-505D.

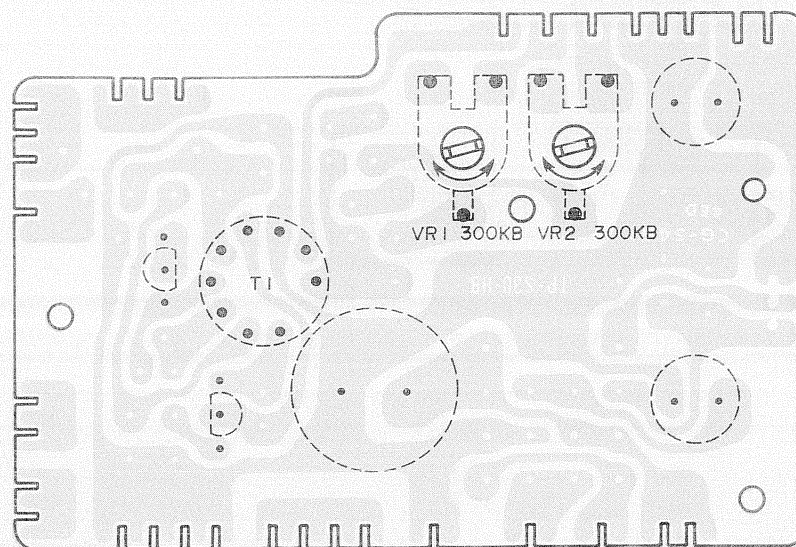


Fig. 11

Adjustment Item	Test Tape Supply Signal	Measuring Instrument Connections	Mode	Adjustment Part	Result	Ref. Diagram	Remarks
PLAYBACK LEVEL ADJUSTMENT	333 Hz 0 VU Test Tape	High Sensitivity V.T.V.M. to Line Output	FWD	VR1 1 k Ω	0 ± 1.5 dB	Fig. 10	
RECORDING LEVEL ADJUSTMENT (low noise)	Low Noise Tape 1,000 Hz 0 VU recording	Audio Frequency Oscillator to Line Input and High Sensitivity V.T.V.M. to Line Output	REC and FWD	VR2 20 k Ω	0 ± 2 dB	Fig. 10	Set Tape Selector to LOW NOISE Position
RECORDING LEVEL ADJUSTMENT (chrome)	Chromium Dioxide Tape 1,000 Hz recording	Audio Frequency Oscillator to Line Input and High Sensitivity V.T.V.M. to Line Output	REC and FWD		-3 ± 1.5 dB		Set Tape Selector to WIDE RANGE Position
FREQUENCY RESPONSE ADJUSTMENT	Low Noise Tape, 1,000 Hz, 10,000 Hz -20 VU recording	Audio Frequency Oscillator to Line Input and High Sensitivity V.T.V.M. to Line Output	REC and FWD	VR1 300 k Ω (left) VR2 300 k Ω (right)	Obtain flat frequency response from 1,000 Hz to 10,000 Hz	Fig. 11	Recheck recording level by changing bias
RECORDING BIAS FREQUENCY CHECK		Frequency Counter to recording/playback head terminal	REC		61 ± 3 kHz	Fig. 12	
RECORDING BIAS VOLTAGE CHECK		AC. Voltmeter to recording/playback head terminal			About 4V AC (low noise) About 5.5V AC (chrome)	Fig. 12	
ERASE VOLTAGE CHECK		AC. Voltmeter to erase head terminal			About 34V AC (low noise) About 46V AC (chrome)	Fig. 12	

Chart 1

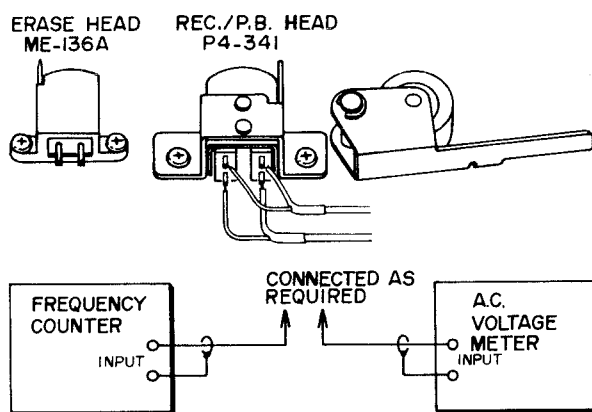


Fig. 12

VII. DOLBY NOISE REDUCTION ADJUSTMENTS

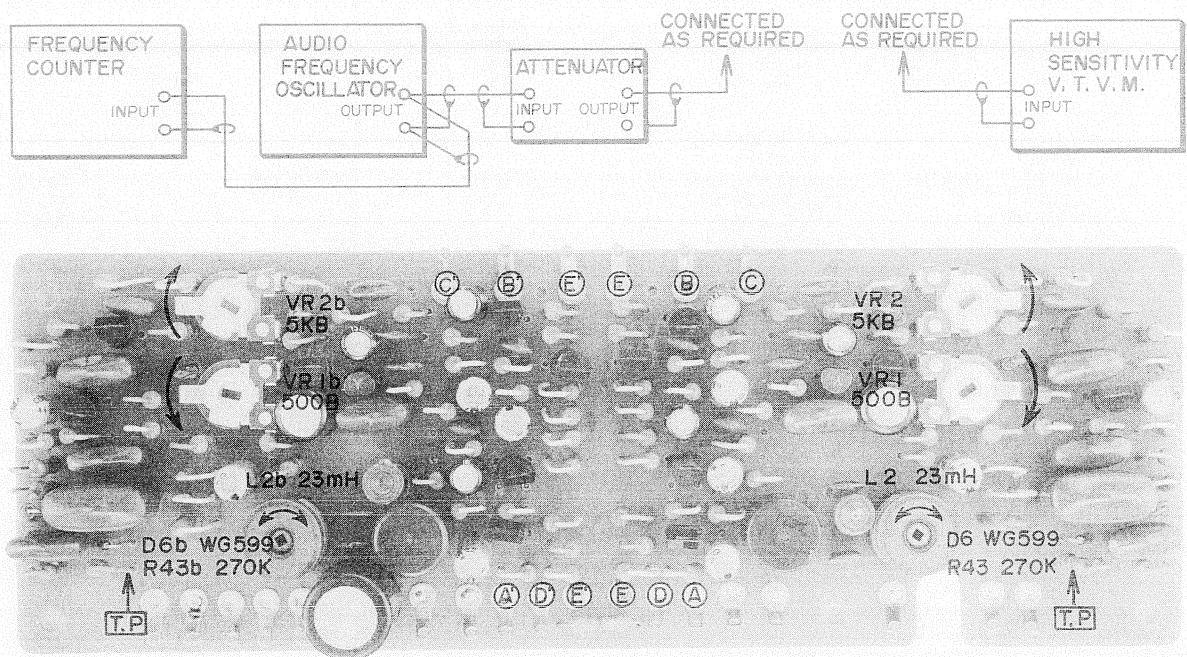


Fig. 13

NOTES:

1. Because crucial frequency and level etc. is determined by Dolby NR Circuit adjustment, be sure to use only measuring instruments which are accurate.
2. Level deviation must be within ± 0.5 dB.
3. Paint lock all semi-fixed resistors following adjustment.
4. Because adjustment error will occur from a jump in recording bias, be sure to disconnect power supply lead wire from Oscillator circuit prior to Dolby NR. Circuit adjustment.
5. Reference Diagram: Fig. 13.

Adjustment Item	Supply Signal	Measuring Instrument Connections	Mode	Dolby Switch Position	T.P.	Adjustment Part	Result		Remarks
							B point level	D point level	
19 kHz FILTER ADJUSTMENT	19 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (D)		ON		L2 23 mH		Minimum level to Input level	
RECORDING DOLBY ADJUSTMENT	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (B)	REC	OFF	to GND	External attenuator	+2 dBm	+2 dBm (confirmation)	Level Control Volume and VR1 (500B), VR2 (5 kB) maximum
	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (B)	REC	OFF	to GND	Reduce Input Level by 30.5dB with attenuator	-28.5 dBm		
	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (b)	REC	ON	to GND	VR2 500B	-18.5 dBm (10 dB increase)		
	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (B)	REC	ON	Disconnect from GND	VR1 5 kB	20.5 dBm (2 dB decrease)		
PLAYBACK DOLBY ADJUSTMENT	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (B)	FWD	OFF	to GND	External attenuator	+2 dBm	+2 dBm (confirmation)	Perfect recording Dolby adjustments and when circuit is normal, confirm items at left.
	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (B)	FWD	OFF	to GND	Reduce Input Level by 22.5dB with attenuator	-20.5 dBm		
	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (B)	FWD	ON	to GND		-30.5 dBm (10 dB decrease)		
	5 kHz	Audio Frequency Oscillator to point (A), and High Sensitivity V.T.V.M. to point (B)	FWD	ON	Disconnect from GND		-28.5 dBm (2 dB increase)		

Chart 2

VIII. D.C. RESISTANCE OF VARIOUS COILS

Part	Designation	D.C. Resistance
MOTOR	HM1-12CS	Between YLW-BLU 200 Ω Between BLU-RED 180 Ω Between RED-YLW 190 Ω
STOP SOLENOID	0730TH71	15 $\Omega \pm 10\%$
HEADPHONE OUTPUT TRANSFORMER	N16-535S	Primary 565 $\Omega \pm 15\%$ Secondary 0.95 $\Omega \pm 15\%$
OSCILLATOR COIL	OT-903	Between 1-3 0.04 Ω Between 4-6 0.14 Ω Between 7-9 0.65 Ω
ERASE HEAD	ME-136A	8 $\Omega \pm 30\%$
RECORDING/PLAYBACK HEAD	P4-341	190 Ω

NOTE: The resistance values shown in this chart are average values.

IX. CLASSIFICATION OF VARIOUS P.C. BOARDS

1. P.C. BOARD INTERCHANGEABILITY CHART

P.C. BOARD	GXC-510D	GXC-505D
ILLUMINATION P.C. BOARD	CH-5011	CH-5011*
PRE-AMP. P.C. BOARD	CH-5012	CH-5012*
VOLUME CONTROL P.C. BOARD	CH-5013	
FUSE P.C. BOARD		CH-5024
REED SWITCH P.C. BOARD	CG-1229	CG-1229
SYSCON P.C. BOARD	CG-1413	CG-1413
OSC/POWER SUPPLY P.C. BOARD	CG-5401	CG-5401
DOLBY N.R. P.C. BOARD	CP-5003	

* ... Not interchangeable

1) PRE AMP. P.C. BOARD CH-5012 (510D)



TO POWER SUPPLY
& OSC. P.C. BOARD CG-5401

TO HEAD PHONE JACK J7
TO LEFT CH. VU METER M1

TO HEAD PHONE JACK J7
TO RIGHT CH. VU METER M2

FROM POWER SUPPLY &
OSC. P.C. BOARD CG-5401
TO TAPE SELECTOR SW. SW2

TO TAPE SELECTOR SW. SW2

TO LINE OUTPUT JACK J6
TO MUTE SW. SW9b

FROM POWER SUPPLY & OSC.
P.C. BOARD CG-5401
TO MUTE SW. SW9b
TO LINE OUTPUT JACK J8

TO REC. LEVEL VOLUME VR1

TO DIN. CONNECTOR J3

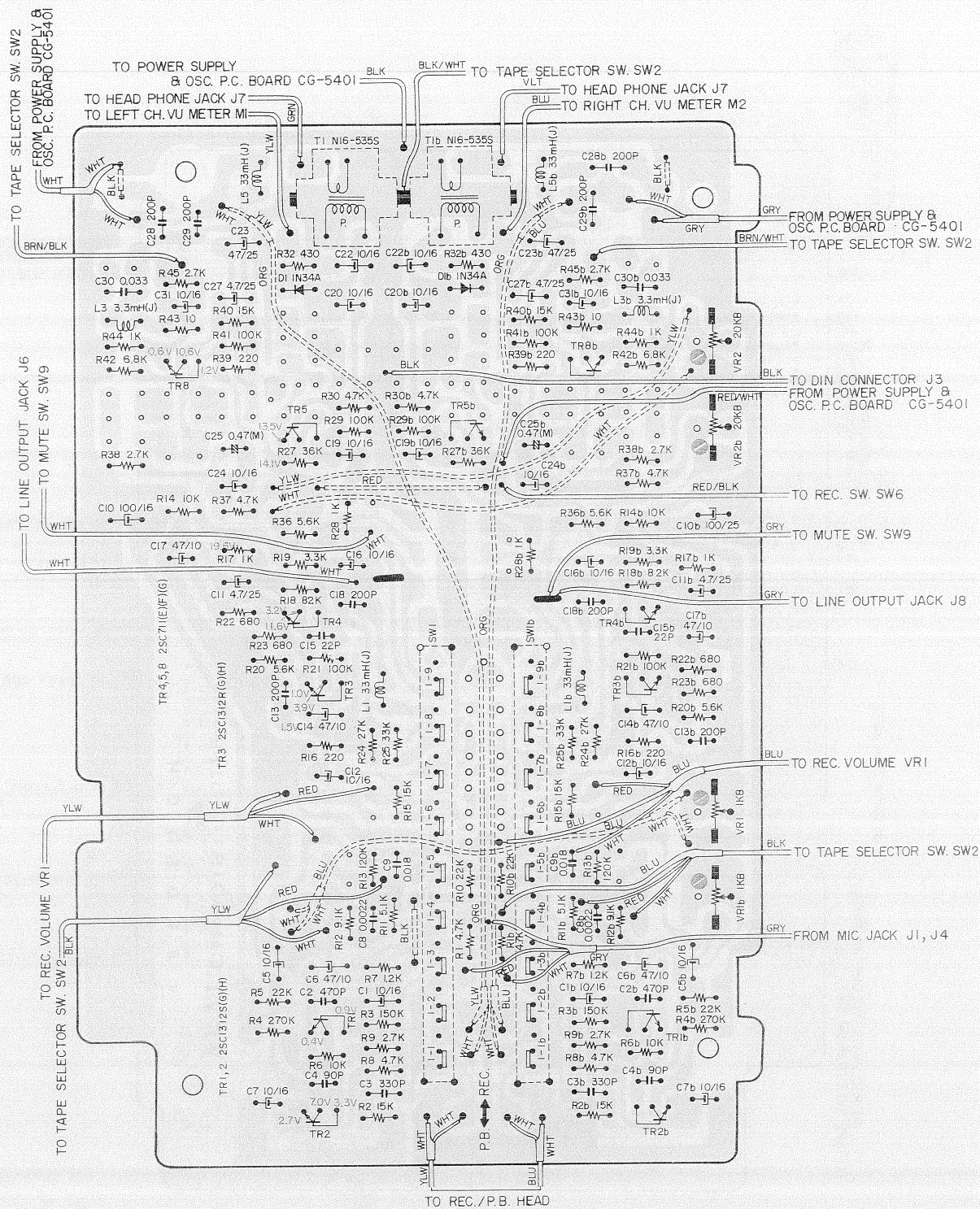
TO REC. LEVEL VOLUME
VR2

TO TAPE SELECTOR SW. SW2

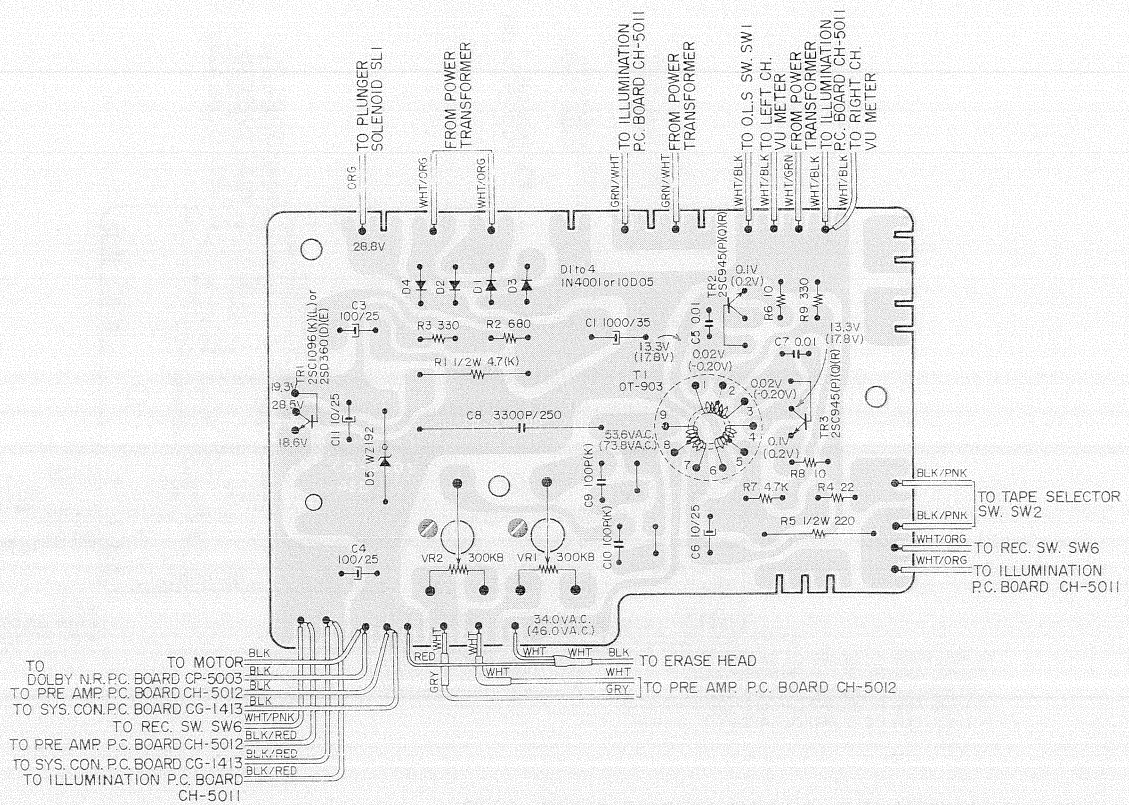
TO REC./P.B. HEAD

FROM MIC. JACK J1, J4

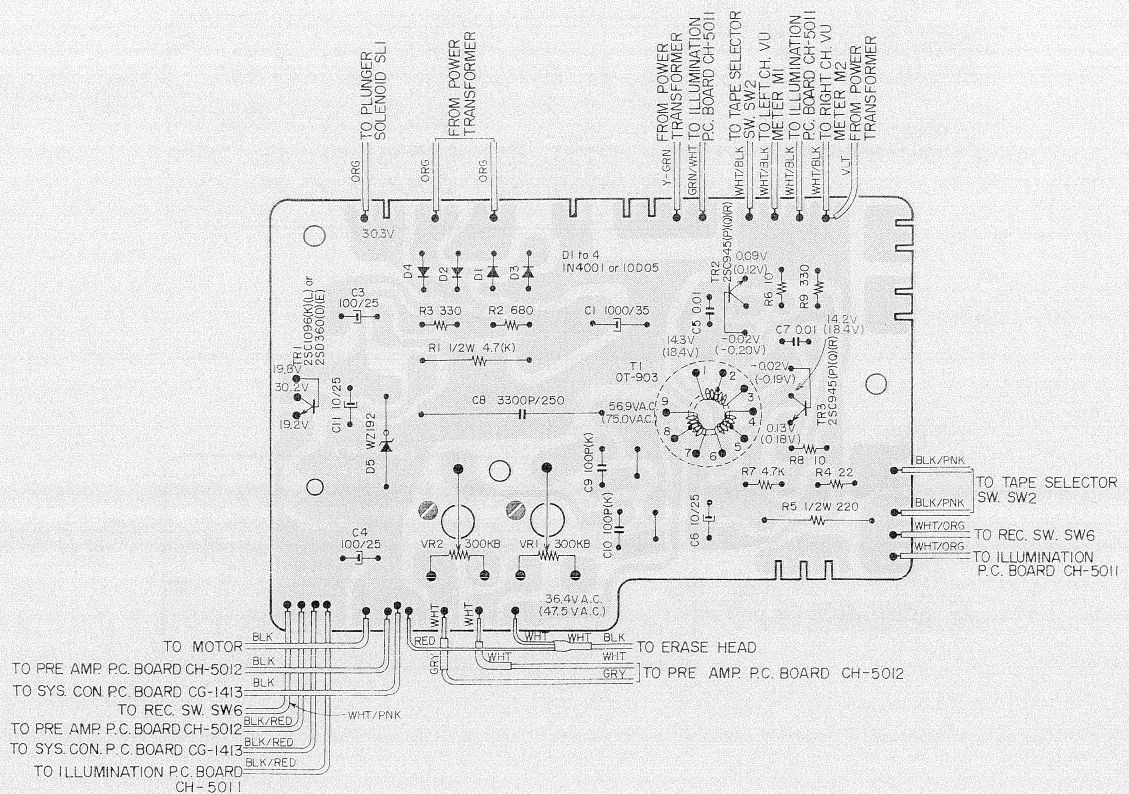
4) PRE AMP. P.C. BOARD CH-5012 (500D)



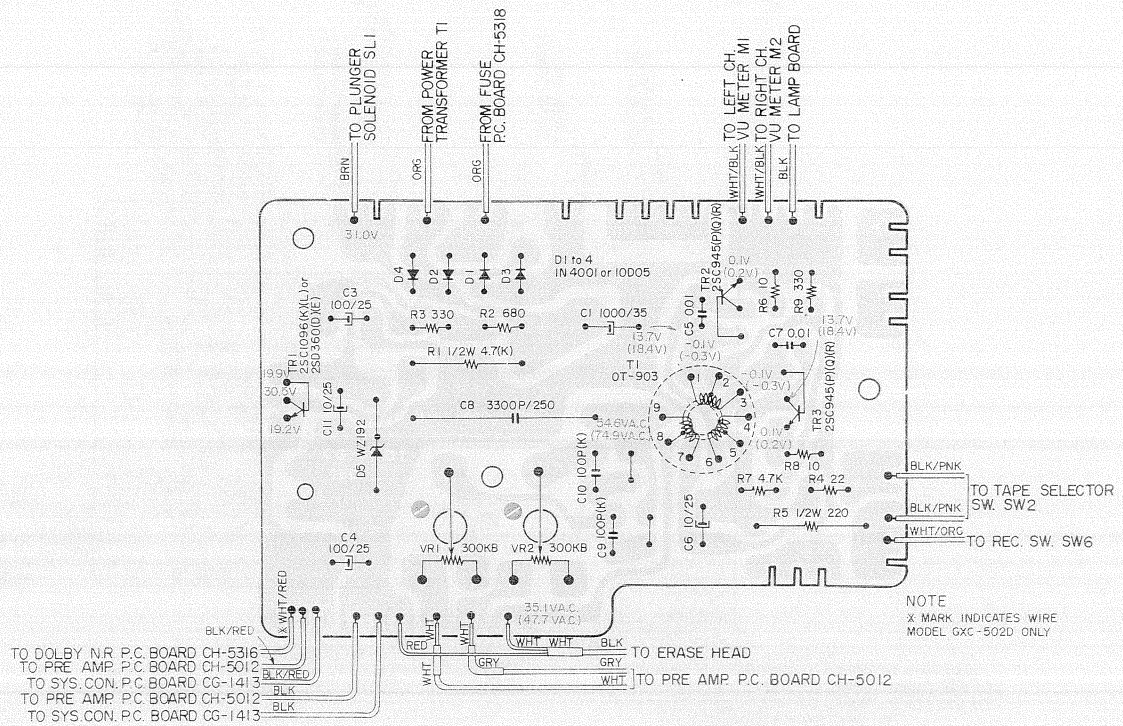
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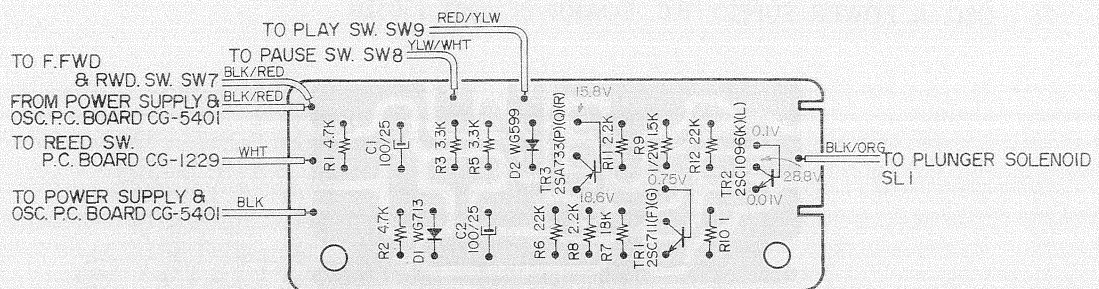
7) OSC. & POWER SUPPLY P.C. BOARD CG-5401 (505D)



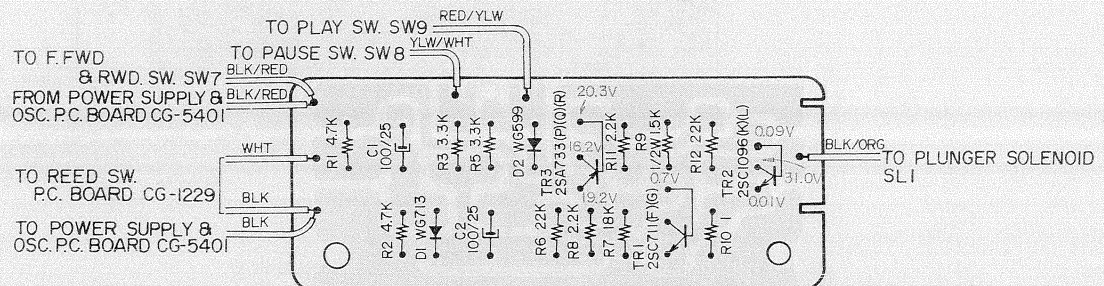
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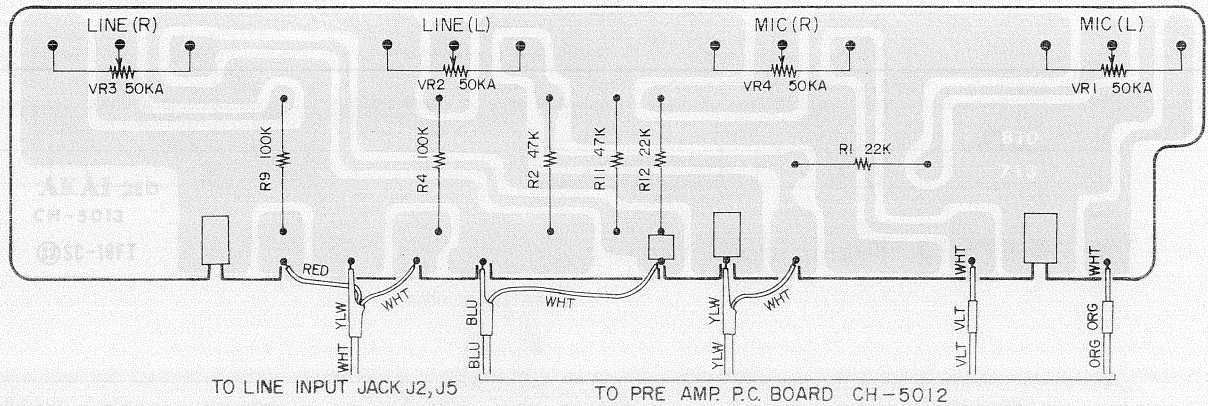
9) SYS. CON. P.C. BOARD CG-1413 (510D, 505D)



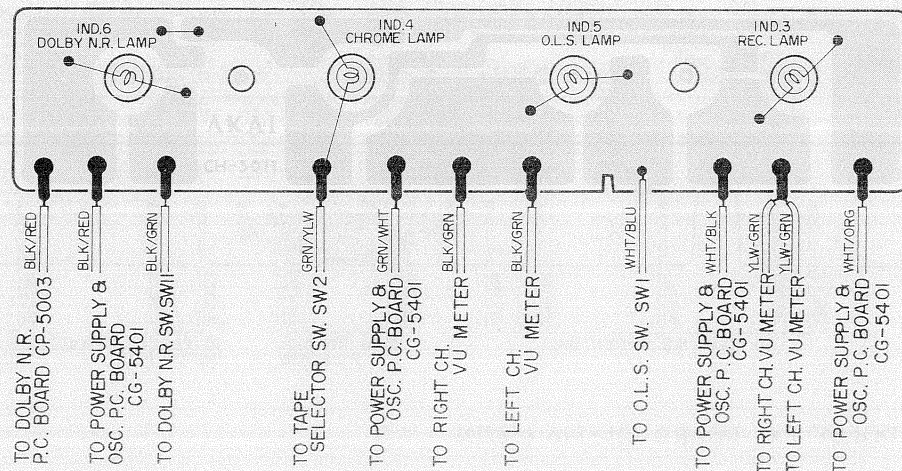
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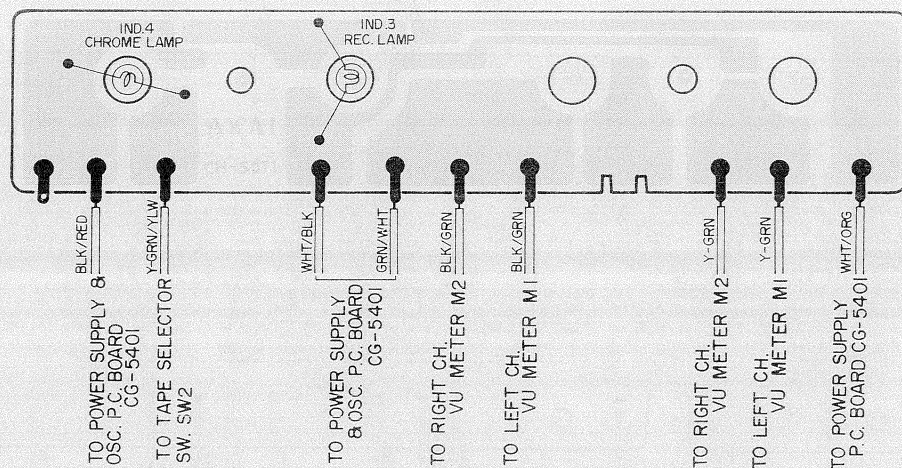
15) VOLUME CONTROL P.C. BOARD CH-5013 (510D)

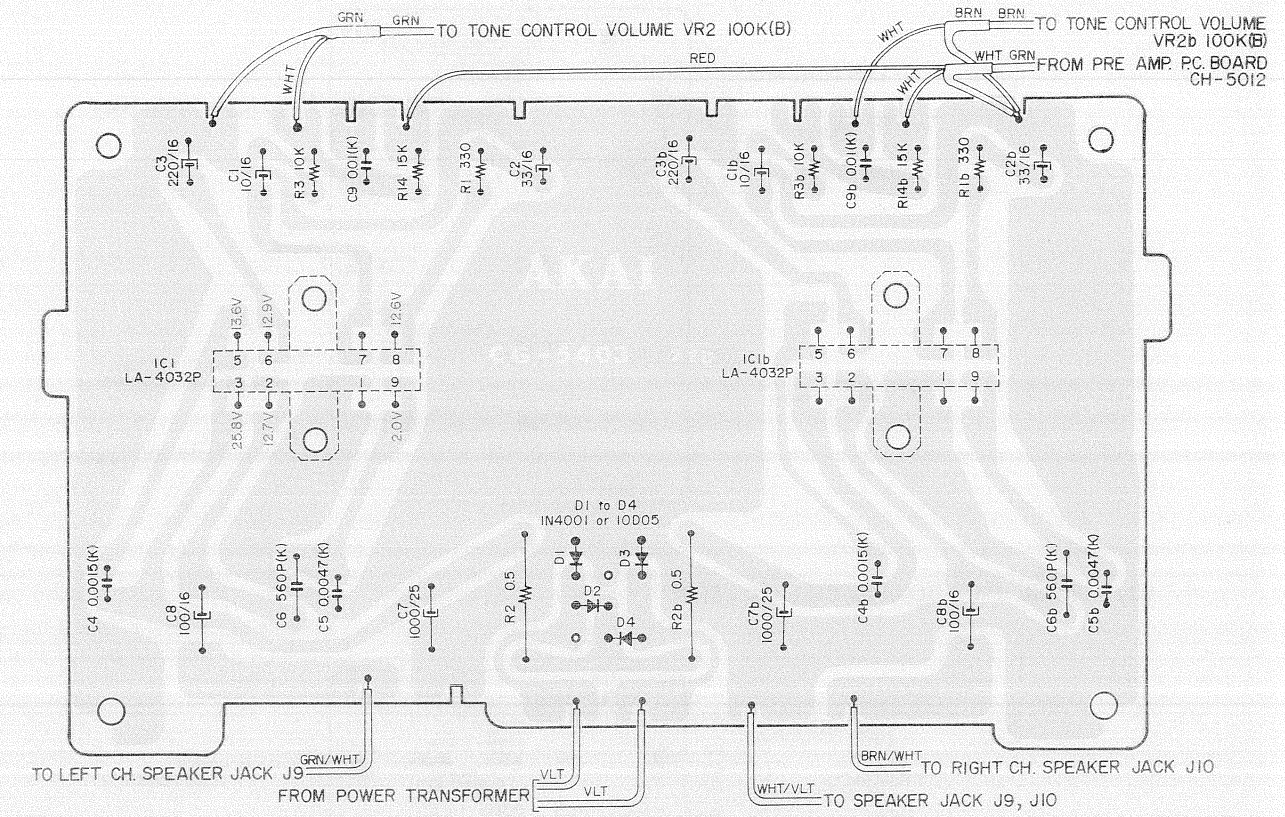


16) ILLUMINATION P.C. BOARD CH-5011 (510D)

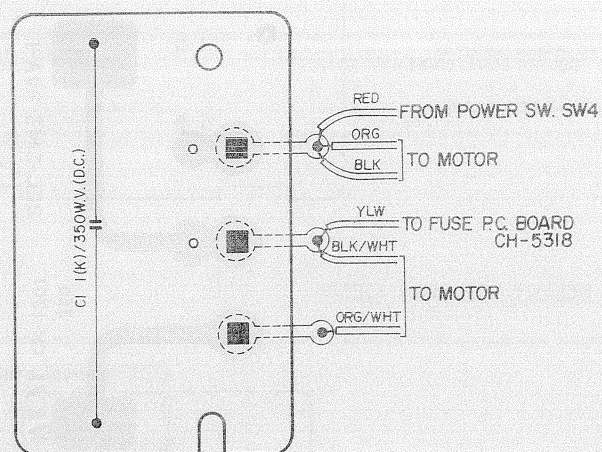


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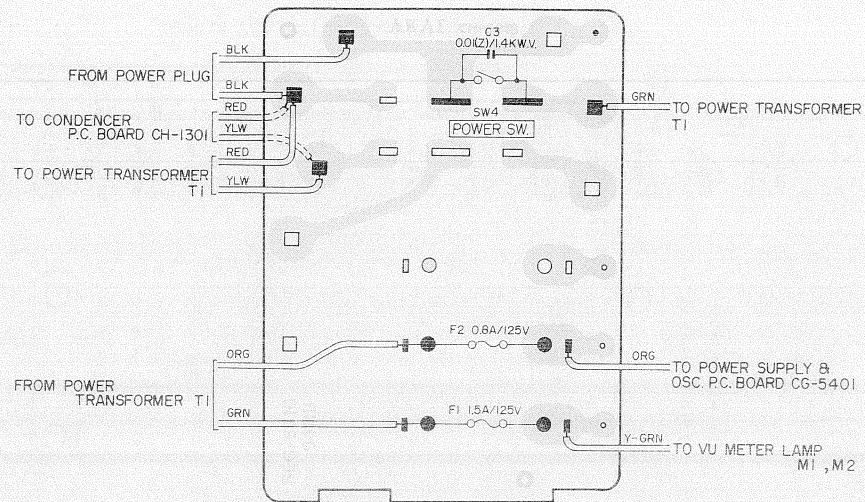




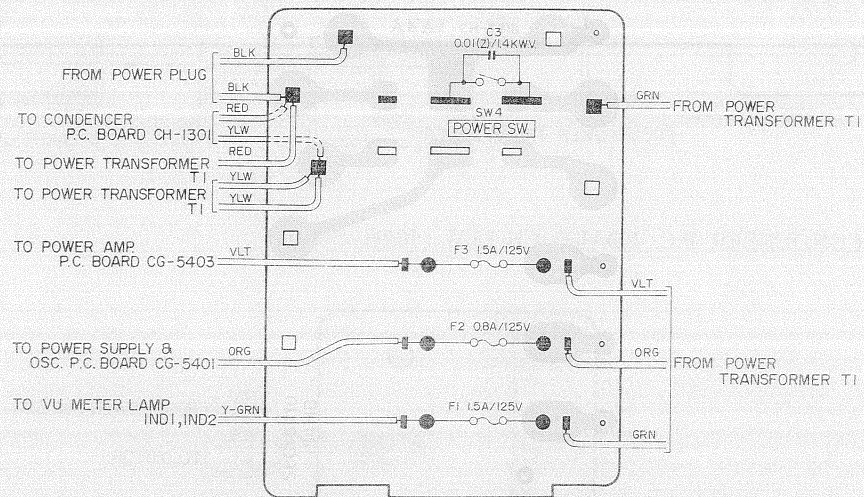
19) CONDENSER P.C. BOARD CH-1301 (502D, 500/D)



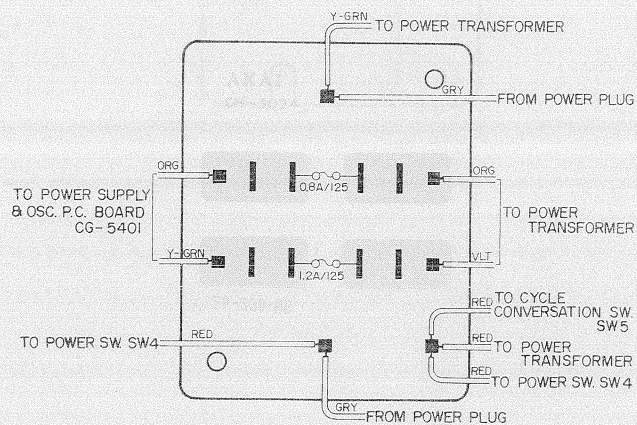
20) FUSE P.C. BOARD CH-5318 (502D, 500D)



21) FUSE P.C. BOARD CH-5318 (500)



22) FUSE P.C. BOARD CH-5024 (JPN)



SECTION 2

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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.

12-115x

Schematic Diagram Number of individual manufactured part.

(not required for parts order)

Quantity of particular part required.

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
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FLYWHEEL BLOCK #13

12-115x	800425	Flywheel Block Assy. Comp.	RDG #13	1
12-116	244506	Flywheel Only	RD-233	1
12-117x	244754	Felt, Flywheel	RD-275	1
12-118	251324	Main Metal Case	RD-236	1
12-119	253080	Main Metal	RD-237	1

4. The symbol numbers shown on the P.C. Board list can be matched with the Composite Views of components of the Schematic Diagram or Service Manual.
5. The indications of Resistors and Capacitors in the photos of P.C. Board are being eliminated.
6. The shape of the parts and parts name, etc. can be confirmed by comparing them with the parts shown on the Electrical Parts Table of P.C. Board.
7. Both the kind of part and installation position can be determined by the Parts Number. To determine where a parts number is listed, utilize Parts Index at end of Parts List.

It is necessary first of all to find the Parts Number. This can be accomplished by using the Reference Number listed at right of parts number in the Parts Index. (meaning of ref. no. outlined in Item 3 above).

8. Utilize separate "Price List for Parts" to determine unit price. The most simple method of finding parts Price is to utilize the reference number.

ELECTRICAL PARTS TABLE

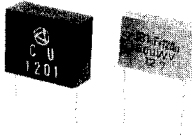
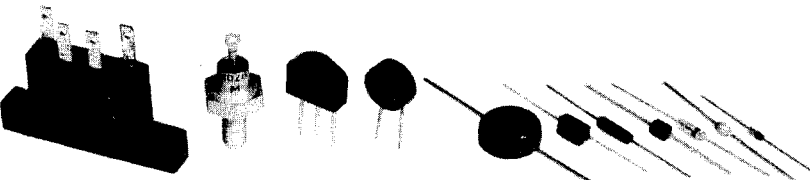
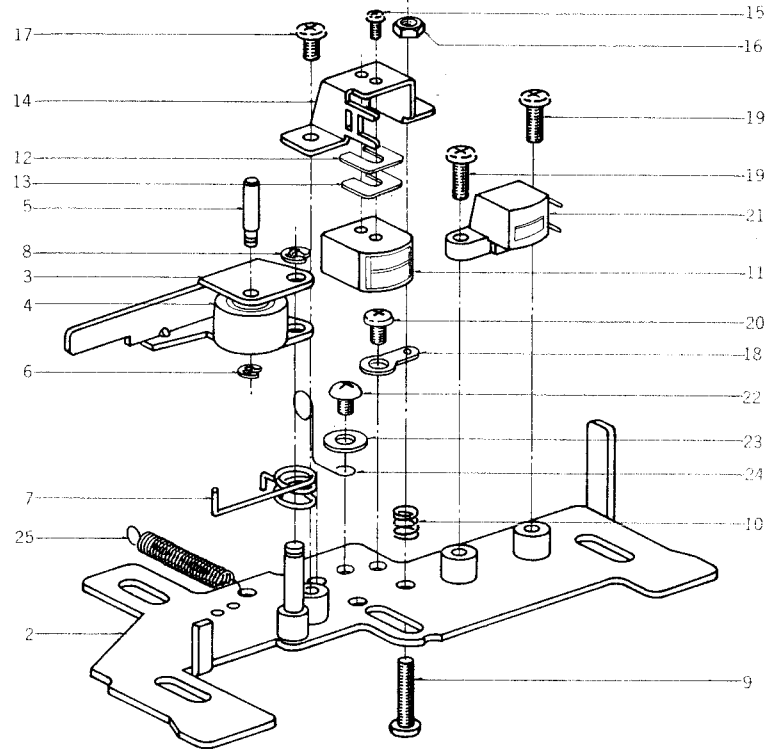
Because the indication of resistors and capacitors in the P. C. Board photos are being eliminated, please confirm parts name and shape by comparing them with the parts shown in this table.	1  Solid Resistor	2 Stopper Type  Insulator Type Carbon Resistor	3  Metal Oxide Film Resistor
4  Cement Resistor	5  Wire-Wound Resistor	6  Thermister	7  Enamel Resistor
1  MP Capacitor (Tubular Type)	2  Plastic Capacitor	3  Mylar Capacitor	4  VFM (Hi-Q) Capacitor
5  Mylar Capacitor	6  Tantalum Capacitor	7  Oil Capacitor (Tubular Type)	8 Vertical Type (Tubular Type)  Styrol Capacitor
9  Electrolytic Capacitor (Tubular Type)	10 Vertical Type (Tubular Type)  Electrolytic Capacitor	11  Ceramic Capacitor	12  Metalized Mylar (Paper) Capacitor
13  Trimmer Condenser		VR  Semi-Fixed Volume	
L  Ferri Inductor	TR  Transistor		
CR  Spark Quencher	D  Diode (Silicon, Zener, Germanium)		

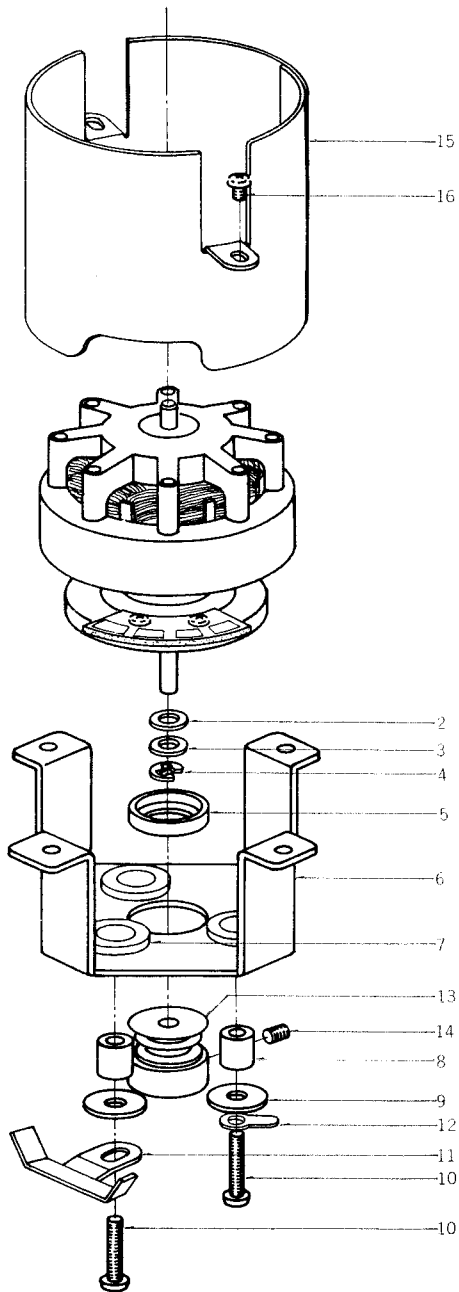
FIG. 1 ILLUSTRATION OF HEAD BASE BLOCK



HEAD BASE BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
1-1x	BH592751	Head Base Block Comp.	CH	1
1-2	HZ457323	Head Base	CG-0001	1
1-3	HL457391	Pinch Roller Arm	CG-0010	1
1-4	MP468292	Pinch Roller CG D=13	CG-0032	1
1-5	MS389981	Pinch Roller Shaft	CS-0011	1
1-6	ZW391397	'E' Ring 1.2M	6-1-9	1
1-7	ZG457380	Pinch Roller Spring	CG-0009	1
1-8	ZW270088	'E' Ring 1.9M	6-1-9	1
1-9	ZS462947	Screw, pan head 2.3x12		1
1-10	ZH465636	Angle Adjust Spring	CG-0029	1
1-11	HP564085	REC./P.B. HEAD P4-341		1
1-12	ZW414235	Height Adjust Washer A (0.1t)	CS-0025	1
1-13	ZW414246	Height Adjust Washer B (0.15t)	CS-0025	1
1-14	UM366625	PC Tape Guide	RCC-1012	1
1-15	ZS461395	Screw, round head 2x3		2
1-16	ZW273688	Nut M2.3		1
1-17	ZW417161	Screw, pan head 2.3x4		1
1-18	ZW316800	Earth Lug M2.6		1
1-19	ZS375118	Screw, binding head 2.3x6		2
1-20	ZS201407	Screw, pan head 2.3x3		1
1-21	HE515992	ERASE HEAD A ME-136A		1
		(Black)	37-2-1	1
1-22	ZS432674	Screw, pan head 3x3		1
1-23	ZW413256	Washer D3.4x7.8x0.5t (SPC)		1
1-24	UM566021	Head Shield Wire Retainer	CZ-5040	1
1-25	ZG514697	Head Return Spring	CG-1308	1

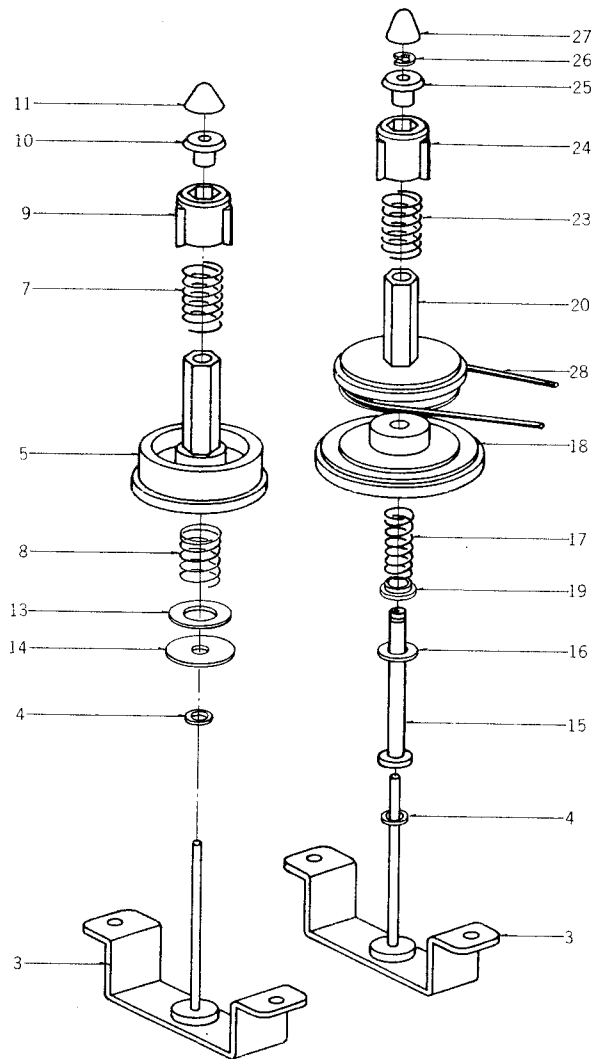
**FIG. 2 ILLUSTRATION OF
MOTOR BLOCK**



MOTOR BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
2-1x	BM451675	Motor Block (HM1-12CS)		
		Comp.	CH-1,2 CG-1,2 CS-7029	1
2-2	ZW396415	Thrust Washer A, CS	CS-7029	3
2-3	ZW396426	Thrust Washer B, CS	CS-7029	3
2-4	ZW270101	'E' Ring 3M	6-1-9	1
2-5	UM394075	Oil Cut	CS-7028	1
2-6	MZ457301	Motor Bracket	CG-7002	1
2-7	UM384164	Rubber Cushion Bush	24X0-717	3
2-8	UM469563	Rubber Cushion Sleeve, CG	CG-7010	3
2-9	ZW402322	Washer D4.1x13x0.5t (SUP)		3
2-10	ZS593201	Screw, pan head 3x16		3
2-11	UM468270	Belt Vibration Stopper	CG-7008	1
2-12	ZW273778	Earth Lug M3		1
2-13	MR457290	Motor Pulley	CG-7001	1
2-14	ZS356804	Set Screw, hexagon Socket 3x4 (Cup/p.)		2
2-15	MZ605755	Motor Shield	CH-1067	1
2-16	ZS325495	Tapping Screw #2 3x6		4
2-17x	BM510107	Motor Block (IC-414) Comp.	CH-3 CG-3to6	1
2-18x	BM510118	Motor IC-414	9-2-1	1
2-19x	MZ510017	Motor Fan	CG-7308	1
2-20x	MR510142	Motor Pulley B	CG-7303	1
2-21x	ZS356804	Set Screw, hexagon socket 3x4 (Cup/p.)		2
2-22x	MZ510030	Motor Shield E	CG-7305	1
2-23x	UM516352	Dust-Proof Rubber B	CG-1236	1
2-24x	UM516306	Motor Mt. Metal B	CG-1234	1
2-25x	ZS417148	Screw, binding head 3x15		1
2-26x	ZW273756	Nut M3		1

**FIG. 3 ILLUSTRATION OF
REEL TABLE BLOCK**



REEL TABLE BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
3-1x	BR616026	Supply Reel Table Block Comp.	CH	1
3-2x	BR616037	Take-up Reel Table Block Comp.	CH	1
3-3	UM457312	Reel Table Bracket, w/bush A	CG-2001	1
3-4	ZW364342	Washer D1.7x3.2x0.25t (polyslider)		2
3-5	UM387652	Supply Reel Table	CS-2016	1
3-6x	UM391140	Reel Table Ring	CS-2013	1
3-7	ZG385075	Reel Table Spring	CS-2014	1
3-8	ZG615205	Back Tension Spring	CH-1072	1
3-9	MT605766	V Type Reel Table Blade	CH-1070	1
3-10	UC370348	C Type Reel Table Bush	RCC-1343	1
3-11	UC370372	C Type Reel Shaft Cap	RCC-1346	1
3-12x	ZW601762	Washer D3.1x 8x0.12t		1
3-13	ZW615216	Reel Table Washer 1	CH-1073	1
3-14	ZW615227	Reel Table Washer 2	CH-1074	1
3-15	MS387573	Take-up Reel Table Shaft	CS-2007	1
3-16	ZW355307	Washer D2.6x6.9x0.5t (BSP)		1
3-17	ZG387584	Clutch Spring	CS-2008	1
3-18	MR387595	Take-up Reel Table Pulley	CS-2009	1
3-19	UM615903	Reel Table Spring Support	CH-2014	1
3-20	UM387628	Take-up Reel Table	CS-2012	1
3-21x	UM391140	Reel Table Ring	CS-2013	1
3-22x	UM387617	Clutch Felt	CS-2011	1
3-23	ZG385075	Reel Table Spring	CS-2014	1
3-24	MT370361	C Type Reel Table Blade	RCC-1345	1
3-25	UM387641	Take-up Reel Table Bush	CS-2015	1
3-26	ZW270088	'E' Ring 1.9M	6-1-9	1
3-27	UM394200	Take-up Reel Cap	CS-2105	1
3-28	MB595743	Counter Belt	CH-1047	1

CASSETTE BASE BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
4-1x	BZ592738	Cassette Base Block Comp.	CH	1
4-2	UM596362	Cassette Base, w/pin	CH-2001	1
4-3	MH595530	Eject Guide Pin	CH-2013	1
4-4	ZW273756	Nut M3		1
4-5	ZS380046	ISO Screw, pin head 3x10		1
4-6	MS595552	Cassette Guide R	CH-2006	1
4-7	MS595563	Cassette Guide L	CH-2007	1
4-8	ML595574	Detector Lever A	CH-2008	2
4-9	ML595585	Cassette Lever B	CH-2009	2
4-10	ZG595618	Spring A	CR-2004	1
4-11	ZG595620	Spring B	CH-2005	1
4-12	ZW270088	'E' Ring 1.9M	6-1-9	2
4-13	ZW592391	Washer D3.2x6x0.3t		2
4-14x	UM477358	Cassette Insert Name Plate	CG-1098	1
4-15	UM596474	Cassette Case	CH-2012	1
4-16	UM609963	Lid Retaining Spring	CH-6037	2
4-17	ZG595528	Leaf Spring	CH-2011	1
4-18	ZS533564	Tapping Screw #3, Flange head 2x5	ED-6006	2
4-19	ZS592402	Screw, pan head 3x18		4
4-20	ZG614957	Leaf Spring B	CH-2011	1
4-21	UM596160	Cassette Base Bracket L, w/pin 2	CH-1025	1
4-22	UM596171	Cassette Base Bracket R, w/pin 1	CH-1025	1
4-23	ZS325495	Tapping Screw #2 3x6		2

FIG. 4 ILLUSTRATION OF CASSETTE BASE BLOCK

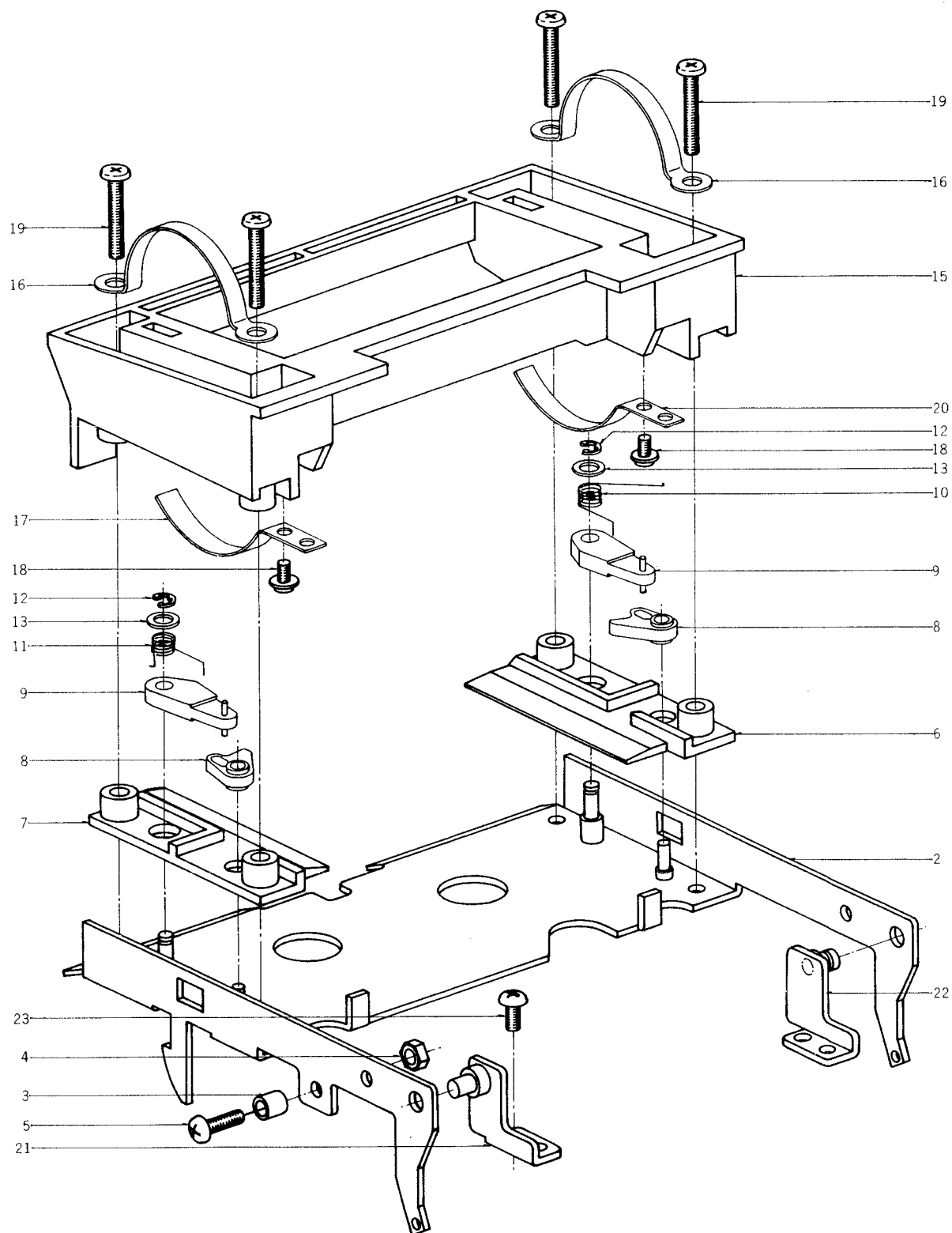
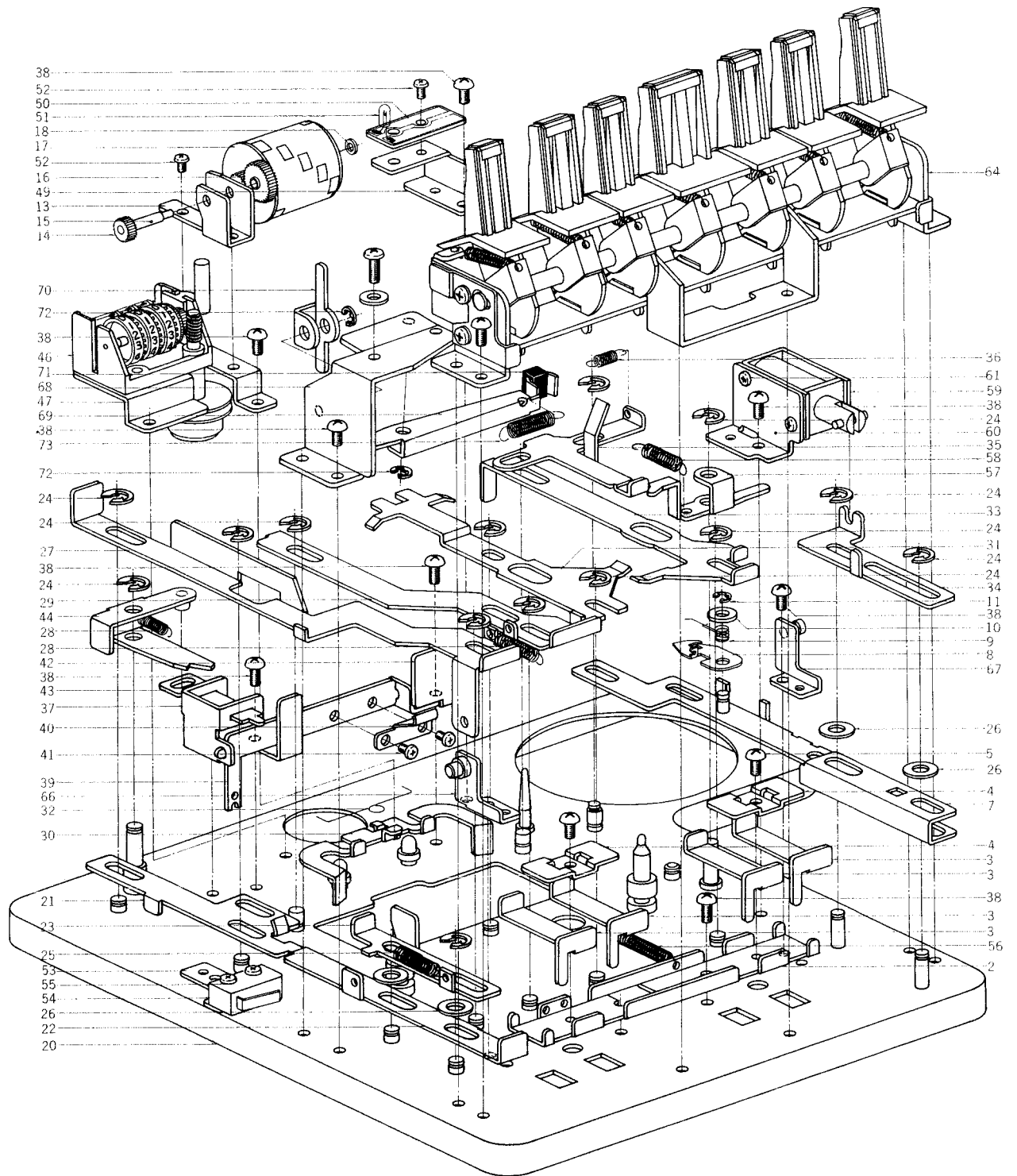


FIG. 5 ILLUSTRATION OF MECH. FRAME BLOCK (1)



MECH. FRAME BLOCK (1)

Ref. No.	Parts No.	Description	Schematic No.	Q'ty	Ref. No.	Parts No.	Description	Schematic No.	Q'ty
SLIDE BLOCK					5-58	ZG305010	Out Spring	RC-586	1
5-1x	BZ592762	Slide Block Comp.	CH	1	5-59	EP494425	Plunger Solenoid 0730THT1	44-1-48	1
5-2	MS595978	Slide Guide	CH-1006	1	5-60	MZ596340	Plunger Plate	CH-1042	1
5-3	ML595991	Play Lever	CH-1008	4	5-61	ZS592378	Screw, pan head 2.6x3		2
5-4	MZ595980	Slide Retainer	CH-1007	2	5-62x	MH607241	Spring Pin 2.5x10 (SPP)		1
5-5	ZS325495	Tapping Screw #2 3.6 (BR)		2	5-63x	ED494583	Silicon Diode 10D05	45-2-42	1
PAUSE SLIDE BLOCK					5-64	BK592380	Keyboard	25-5-134	1
5-6x	BZ592740	Pause Slide Block Comp.	CH	1	5-65x	BK619716	Keyboard B (500/D, 502D)	25-5-148	1
5-7	MZ596081	Pause Slide B, w/shaft	CH-1017	1	5-66	UM596160	Cassette Base Bracket L, w/pin 2	CH-1025	1
5-8	UM515575	SW. Lock Cam B	CG-2301	1	5-67	UM596171	Cassette Base Bracket R, w/pin 1	CH-1025	1
5-9	ZG514440	Button Lock Spring B	CG-2303	1	5-68	UM596114	Cassette Up Base, w/pin	CH-1020	1
5-10	ZW424495	Washer D3.1x8x1t (SPC)		1	5-69	UM596136	Cassette Up Lever 1	CH-1022	1
5-11	ZW270088	'E' Ring 1.9M	6-1-9	1	5-70	UM596125	Cassette Up Lever 2	CH-1021	1
TAPE RUN BLOCK					5-71	MB614608	Up Rubber	CH-1077	1
5-12x	BZ592773	Tape Run Block Comp.	CH	1	5-72	ZW270101	'E' Ring 3M	6-1-9	2
5-13	MZ596002	Pinion Base, w/shaft	CH-1009	1	5-73	ZG529334	Tension Spring	ND-1016	1
5-14	UM541833	Pinion Gear A	CZ-2012	1	5-74x	EA612180	Condenser P.C. Board	CH-1301	1
5-15	UM541855	Pinion Shaft	CZ-2014	1	5-75x	EJ514822	Fuse Holder, P.C. Board	S-N5051 40-1-28	3
5-16	MZ595732	Spur Gear	CH-1046	1	5-76x	UM612090	Condenser Table	CH-1303	1
5-17	MZ596024	Tape Run Drum	CH-1011	1	5-77x	EC514743	MP/C. 1μF (K) 350WV DC	(Tub. Type) 24-9-68	1
5-18	ZW595697	Washer 1.3x3.6x0.25t (Teflon)	CH-1051	1	5-78x	ZS325495	Tapping Screw #2 3x6		4
5-19x	SE595708	Tape Run Mask	CH-1052	1					
MECH. FRAME BLOCK									
5-20	MZ596463	Mech. Frame, w/shaft	CH-1001	1					
5-21	ML596057	Lock Off Lever	CH-1014	1					
5-22	ML596068	Lock Off Lever B	CH-1015	1					
5-23	UM596103	Cassette Up Slide	CH-1019	1					
5-24	ZW290283	'U' Ring 2.85M	6-1-1	17					
5-25	ZG595506	Stop Spring	CH-3007	1					
5-26	ZW259885	Washer D5.1x10.3x0.1t (PBP)		5					
5-27	MZ596070	Rec. Slide	CH-1016	1					
5-28	ZG365433	Idler Tension Spring	RCC-1365	2					
5-29	UM456963	Rewind Slide	CG-1043	1					
5-30	UM456928	Brake Shoe	CG-1039	1					
5-31	UM456941	Brake Slide	CG-1041	1					
5-32	ZG456930	Brake Spring	CG-1040	1					
5-33	UM456952	F. Fwd Slide	CG-1042	1					
5-34	ML596046	Cancellation Lever B	CH-1013	1					
5-35	ML596092	Safety Lever	CH-1018	1					
5-36	ZG469315	Take-up Lever Spring	CG-1091	1					
5-37	MZ596204	Detective Plate Base	CH-1028	1					
5-38	ZS325495	Tapping Screw #2 3x6		18					
5-39	UM596215	Cassette Hold Lever	CH-1029	1					
5-40	UM596226	Cassette Retainer Spring	CH-1030	1					
5-41	ZS432843	Screw, pan Head 2.6x4		2					
5-42	MZ596193	Hold Bracket	CH-1027	1					
5-43	MZ596248	Rec. Detective Plate	CH-1032	1					
5-44	MZ596237	Antirec. Plate, w/pin	CH-1031	1					
5-45x	MV592356	Steel Ball D5		1					
5-46	MC592367	Counter MP390-117	9-1-34	1					
5-47	MZ596035	Counter Base	CH-1012	1					
5-48x	UM516025	Magnet TG0034, w/bush	5-1-8	1					
5-49	UM596147	Lamp Base	CH-1023	1					
5-50	EA586732	TR P.C. Board	CH-1048	1					
5-51	EL603268	Lamp 24V 35MA	28-2-39	1					
5-52	ZW417161	Screw, pan head 2.3x4		1					
5-53	MZ596182	Rec SW. Base	CH-1026	1					
5-54	ES477966	Micro SW. SS-5GL	25-1-23	1					
5-55	ZS487091	Screw, pan head 2.3x8		2					
5-56	ZG514697	Head Return Spring	CT-1308	1					
5-57	UM596158	Pause Lever A	CH-1024	1					

MECH. FRAME BLOCK (2)

Ref. No.	Parts No.	Description	Schematic No.	Q'ty	Ref. No.	Parts No.	Description	Schematic No.	Q'ty
WIND IDLER BLOCK					6-58	UM456726	Take-up Lever (2), w/metal	CG-1028	1
6-1x	BZ459966	Wind Idler Block Comp.	CG, CT, CH	1	6-59	UM456750	Take-up Wheel, w/ring	CG-1031	1
6-2	UM456783	Wind Lever (1), w/shaft	CG-2009	1	6-60	ZG469315	Take-up Lever Spring	CG-1091	1
6-3	ZG392804	Auto. Change Lever E Return Spring	CS-2566	1	6-61x	ZW461248	Washer D4.3x11x0.35t (PBP)		1
6-4	ZW270123	'E' Ring 4M	6-1-9	1	6-62x	ZW530504	Oil Cut Washer	CG-1102	1
6-5	UM461878	Wheel Collar	CG-2026	1	6-63	ES516036	Lead SW. ORD-225	25-11-1	1
6-6	UM461880	Wind Wheel (1), w/ring	CG-2023	1	6-64	EA516047	Lead SW. P.C. Board	CG-1229	1
6-7x	UM461586	Clutch Felt	CG-2025	1	6-65	UM515518	SW. Table Cushion, w/sleeve	CG-1228	2
6-8	UM461891	Wind Wheel (2)	CG-2024	1	6-66x	EC290564	VFM/C. 220PF(K) 50WV	24-6-2	1
6-9	ZG459224	Clutch Spring	CG-2021	1	6-67	ZW516251	Washer D2.4x5.8x0.4t (SPC)		2
6-10	ZW259795	Washer D4.3x11x0.13t (SUP)		1	6-68	ZS462947	Screw, pan head 2.3x12		2
6-11	ZW421007	Washer D4.3x11x0.25t (SUP)		1	6-69x	EJ510333	Wire Clip 220-JD481610-0104 (Nylon)	2-7-17	2
6-12	ZW290283	'U' Ring 2.85M	6-1-1	1	6-70x	EJ618524	Wire Clip 220-JD482010-0010 (Nylon)	2-7-45	1
6-13	ZW391397	'E' Ring 1.2M	6-1-9	1	6-71	ES477966	Micro SW. SS-5GL	25-1-23	3
6-14	ZW474581	Washer D2.05x3.5x0.2t (Teflon)		2	6-72	ZS465298	Screw, pan head 2.3x10		6
6-15	ZW474592	Washer D2.05x7x0.2t (Teflon)		1	6-73	EZ595653	Insulator Plate	CH-1055	1
6-16	MB456895	Wind Belt D40x1.4x1.4	CG-1035	1	6-74	ML596351	Lock Off Lever C	CH-1043	1
6-17	ZW474603	Washer D4.1x13x0.2t (Teflon)		1	6-75	ZG596338	Head Base Pressure Spring	CH-1041	1
WIND PULLEY BLOCK					6-76	UM596327	Cassette Base Stopper	CH-1040	2
6-18x	BZ592154	Wind Pulley Block Comp.	CG, CT, CH	1	6-77x	MB510164	Cussion Rubber	CG-7306	2
6-19	UM456827	Wind Lever (2), w/metal	CG-2015	1	6-78	ZG595721	Eject Spring	CH-1045	2
6-20x	MS456851	Wind Pulley Shaft (1)	CG-2018	2	6-79	MI456658	Flywheel, w/shaft	CG-1021	1
6-21	MR456838	Wind Pulley (1)	CG-2016	2	6-80	ZW615238	Wheel Washer	CH-1075	1
6-22	MR456840	Wind Pulley (2)	CG-2017	2	6-81	ZW615240	Oil Cut Washer	CH-1076	1
6-23x	ZW381644	Washer D2.1x4.0x0.13t (Polyslider)		4	6-82	MB456660	Capstan Belt D106x1.4x1.4	CG-1023	1
MECH. FRAME BLOCK					6-83	UM456682	Capstan Supporting Plate	CG-1022	1
6-24	UM457053	Rec. Bracket	CG-1051	1	6-84	UM387268	Flywheel Support	CS-1115	1
6-25	ZG583830	Rec. Spring B	CG-1052	1	6-85	ZW478991	Speed Nut M4 (P Type)	6-3-7	1
6-26	ZS478697	Graduated Screw, CG	CG-1093	2	6-86	UM518106	P.C. Board Table	CG-1403	1
6-27	ZG494381	Rec. Gramp Spring B	CG-1218	2	6-87x	UM612088	Sys. Con. Table (500/D, 502D)	CH-1302	1
6-28	MZ596261	Pre-Card Retainer 2	CH-1034	2	6-88	MV592356	Steel Ball D5		1
6-29	ZS325495	Tapping Screw #2 3x6		14					
6-30x	MZ595631	Side Frame B	CH-1053	1					
6-31	EZ596283	Condenser Retainer	CH-1036	1					
6-32	EC393671	MP/C. 6+1 μ F 150WV AC (Lug Type Uni/D.)	24-9-47	1					
6-33x	EC412582	MP/C. 6 μ F 150WV AC (Lug Type Uni/D.) (CSA)	24-9-55	1					
6-34	MZ596294	Bracket F	CH-1037	1					
6-35	ES479507	Slide SW. S-3	25-3-68	1					
6-36	ZS325495	Tapping Screw #2 3x6		15					
6-37x	MZ596305	Bracket G	CH-1038	1					
6-38	MZ595710	Pre Card Retainer 1	CH-1044	1					
6-39	MV610514	Capstan Metal Case B	CP-1156	1					
6-40	ZS590804	Screw, pan head 2.3x6		3					
6-41	UM494987	Take-up Spring Hook	CG-1101	1					
6-42	UM456996	Wind Slide, w/pin	CG-1046	1					
6-43	ZG224796	New Spring D	MH-142	2					
6-44	ZW290283	'U' Ring 2.85M	6-1-1	7					
6-45	MZ595675	Wind Plate	CH-1049	1					
6-46	ZG456985	Wind Spring	CG-1045	1					
6-47	ZW417161	Screw, pan head 2.3x4		2					
6-48	ZG460484	Wind Plate Spring	CG-1083	1					
6-49x	MB595743	Counter Belt	CH-1047	1					
6-50	UM456671	Capstan Supporting Prop	CG-1016	2					
6-51	ZS369900	Screw, pan head 3x8, w/washer		4					
6-52	UM498892	SW. Holder	CG-3304	1					
6-53	ES539043	Push SW. SPJ-10108	25-5-92	1					
6-54	SB499195	SW. Button	CG-3305	1					
6-55	ZS460440	Screw, pan head 2x4		2					
6-56	ZS432843	Screw, pan head 2.6x4		2					
6-57	UM456693	Take-up Lever (1), w/shaft	CG-1024	1					

FIG. 6 ILLUSTRATION OF MECH. FRAME BLOCK (2)

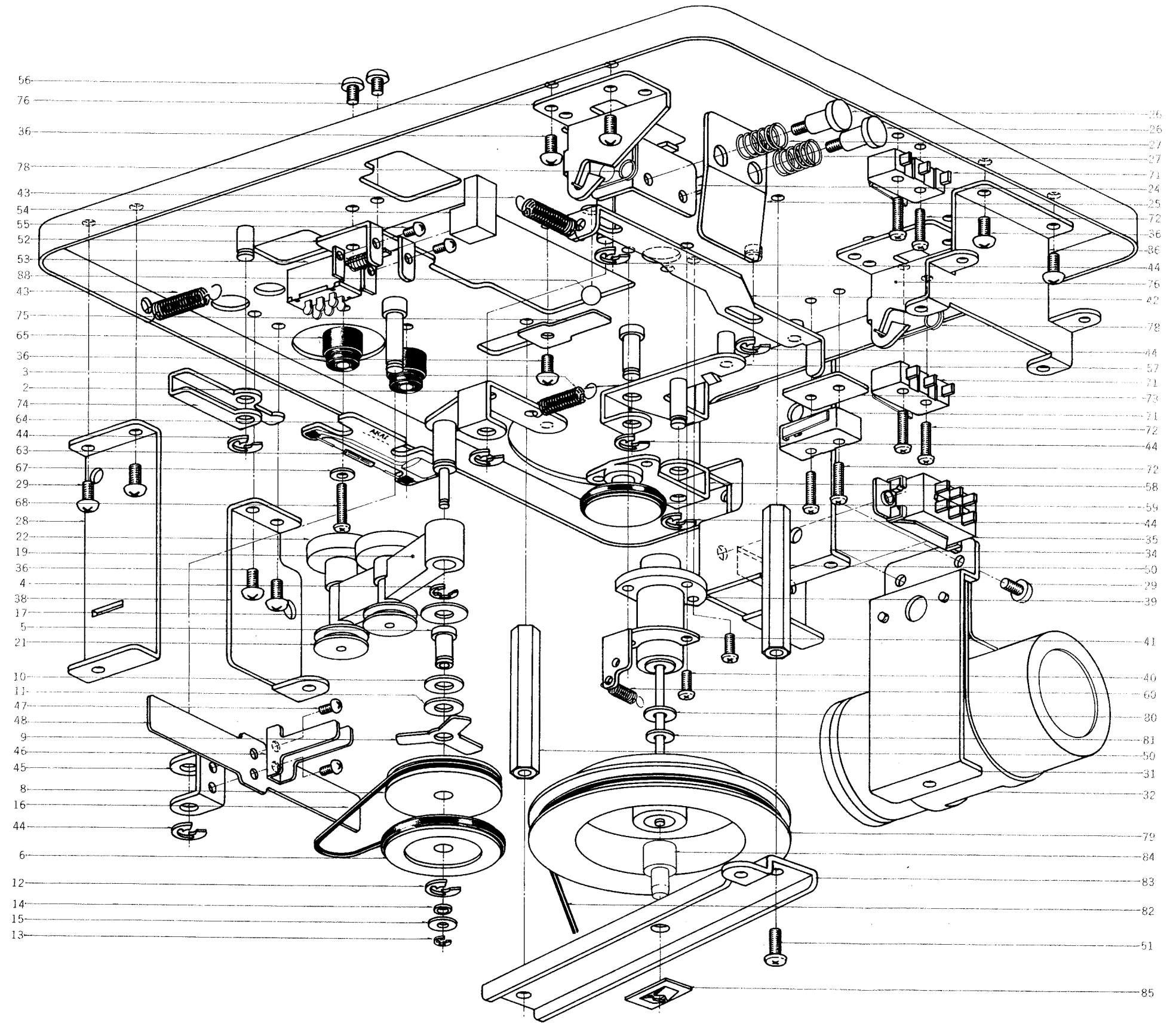
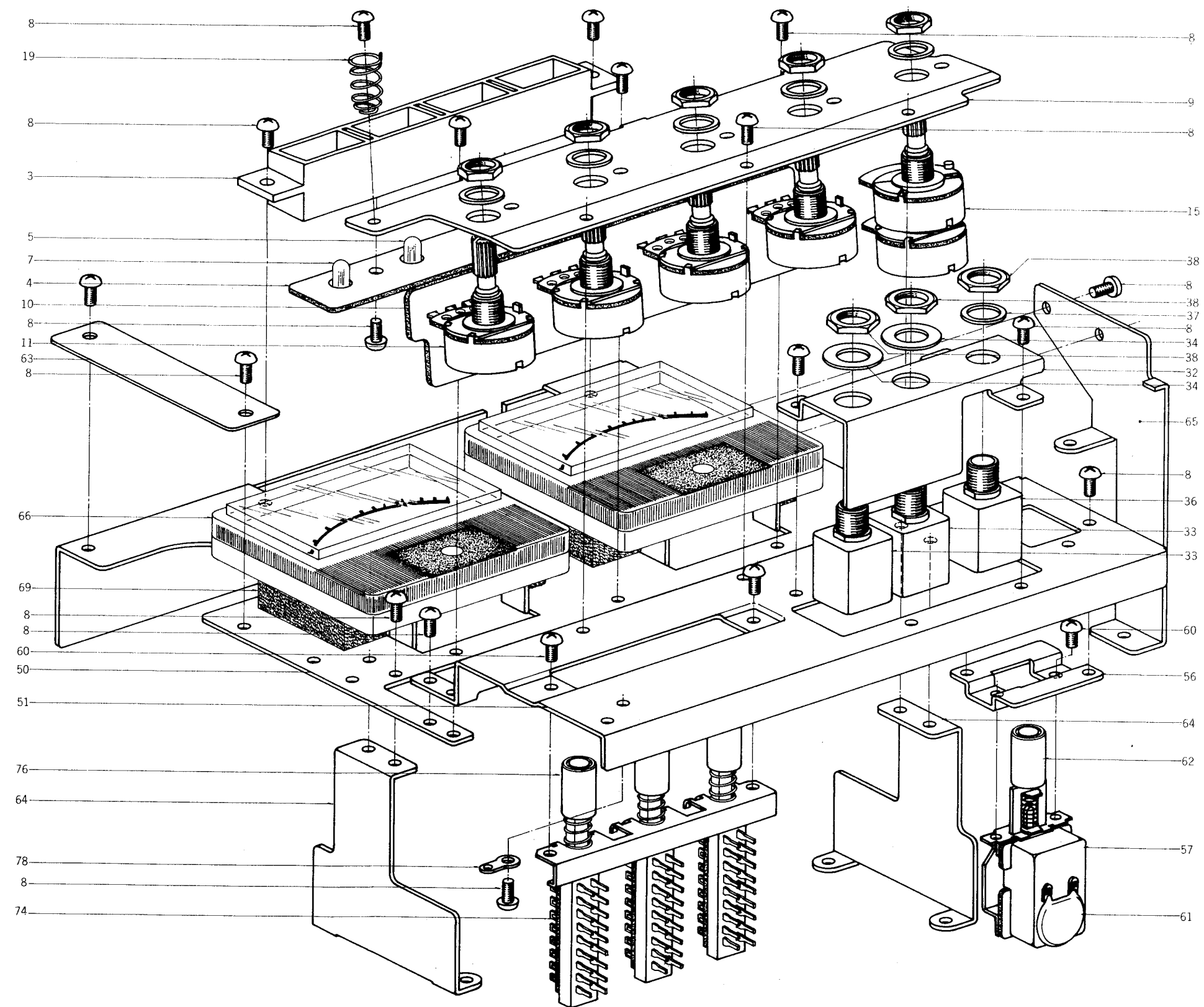


FIG. 7 ILLUSTRATION OF AMP. CHASSIS BLOCK



AMP. CHASSIS BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty
LAMP HOUSE BLOCK				
7-1x	BZ592841	Lamp House Block Comp.	CH-1	1
7-2x	BZ592852	Lamp House Block Comp.	CH-2	1
7-3	UM586934	Lamp House	CH-5004	1
7-4	EA586743	Lamp P.C. Board	CH-5011	1
7-5	EL603263	Lamp 24V 35MA	28-2-39	3
7-6x	EL603268	Lamp 24V 35MA (505D)	28-2-39	2
7-7	EL368774	Lamp 6.3V 180MA	28-2-10	1
7-8	ZS325495	Tapping Screw #2 3x6		26

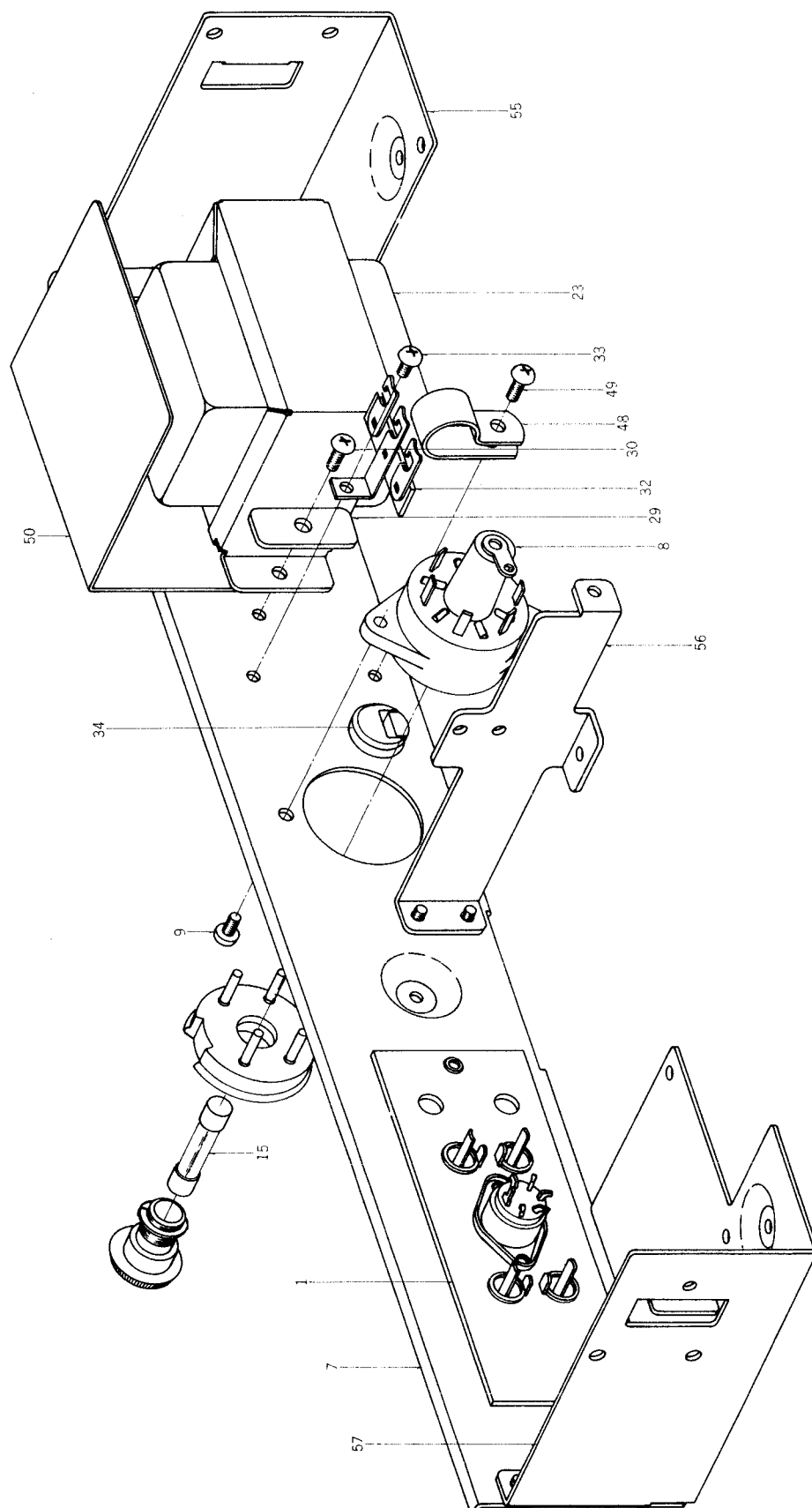
VOL. CHASSIS BLOCK				
7-9	MZ596395	Volume Bracket A	CH-5002	1
7-10	EA586765	Vol. P.C. Board	CH-5013	1
7-11	EV592457	Vol. VJ10R 50 kA	36-2-37	4
7-12x	ER213715	Carbon/R. RD1/4 100k(J)		
		(Insu. Type)	35-9-5	2
7-13x	ER345712	Carbon/R. RD1/4 22k(J)		
		(Insu. Type)	35-9-5	2
7-14x	ER329308	Carbon/R. RD1/4 47k(J)		
		(Insu. Type)	35-9-5	2
7-15	EV592468	Co-axial 2-throw/Vol.		
		GJ10A 10kx2	36-1-32	1
7-16x	MZ598476	Vol. Bracket B (505D)	CH-5002	1
7-17x	EV445590	Vol. V24N 50 kA (505D)	36-2-23	2
7-18x	ZW260280	Washer D8.1x13x1t (Nylon)		
		(505D)	3A-302	2
7-19	ZG598781	Earth Spring	CH-5022	1

POWER SUPPLY SW. TABLE BLOCK				
(502D, 500/D)				
7-20x	UM612145	Power SW. Table	CH-5312	1
7-21x	ES469541	Push SW. TV-3 JB52	25-5-60	1
7-22x	ZS422076	Screw, pan head 3x5		2
7-23x	EC551160	Ceramic/C. NB821 YZ 0.01μF		
		(Z) 1.4kV	24-5-55	1
7-24x	SB614428	Power Button B	A5-5021	1
7-25x	EA614788	Fuse P.C. Board B	CH-5318	1
7-26x	EZ621415	Fuse Clip (CEE)	40-1-57	10
7-27x	EJ618805	Lug (w/calking)	32-1-56	4
7-28x	EF601986	Fuse 1.5A 125V	39-1-52	3
7-29x	EF591535	Fuse 0.8A 125V	39-1-52	1

CONTROL CHASSIS BLOCK (502D, 500/D)				
7-30x	UM612246	Control Chassis (1) (500-JPN)	CH-5306	1
7-31x	UM612257	Control Chassis (2)		
		(500D/502D-JPN)	CH-5306	1
7-32	UM586945	Mic Jack Bracket	CH-5005	2
7-33	EJ592435	Mic. Jack 2PMJ4	31-2-44	2
7-34	EZ225101	Jack Fiber D9.1x15.4x0.5t	DX-510	2
7-35x	SZ614676	Nylon Collar B, Jack	CG-5217	2
7-36	EJ601481	Mic. Jack 3PMJ4	31-2-45	1
7-37	ZW224976	Jack Thin Washer	DX-509	1
7-38	ZW554624	E Jack Nut	7-1-56	3
7-39x	ER364983	Carbon/R. RD1/4 18k(J)		
		(Insu. Type)	35-9-5	2
7-40x	ZW330456	Adjust. Washer (U) D4x13x1t		4
7-41x	ES619683	Push SW. 2FT-0001 CF-1310		
		(502D-JPN)	25-5-146	1
7-42x	ES573671	Push SW. 1FST-6U-122-3		
		(500/D-JPN)	25-5-119	1
7-43x	SB607127	Push Knob A (502D-JPN)	A5-5022	3
7-44x	ZS422076	Screw, pan head 3x5		2
7-45x	ZW273778	Earth Lug M3		1
7-46x	UM612123	Lamp Plate (2)	CH-5303	1
7-47x	EL603268	Lamp 24V 35MA	28-2-39	2
7-48x	EV445590	Vol. V24N 50 kA		
		(500D/502D-JPN)	36-2-23	2
7-49x	EV619694	Double/Vol. V24L50N 100kB		
		15A 50K (500-JPN)	36-3-59	2

AMP. CHASSIS BLOCK				
7-50	AA596485	Amp. Chassis	CH-5001	1
7-51	UM586800	Amp. Chassis B	CH-5003	1
7-52x	UM612268	Amp. Chassis B		
		(500/D/502D-JPN)	CH-5313	1
7-53x	SE625061	Lamp Mask	CH-5036	1
7-54x	UM612112	Lamp Plate (1)		
		(500/D/502D-JPN)	CH-5302	2
7-55x	EL400746	Lamp 6.3V 180 MA	28-2-13	2
7-56	UM586956	Power Supply SW. Base	CR-5006	1
7-57	ES246025	Push SW. SDF1PBP1		
		(UEH-12BP U/L)	25-5-11	1
7-58x	ES621178	Push SW. S-J4162 (510D-CEE)	25-5-145	1
7-59x	ES621178	Push SW. S-J4162		
		(510D/505D-WG)	25-5-145	1
7-60	ZS422076	Screw, pan head 3x5		2
7-61	EC551160	Ceramic/C. NB821 YZ		
		0.01μF(Z) 1.4 kV	24-5-55	1
7-62	SK598397	Push Button Knob C	91-5051	1
7-63	UM615273	Shield Plate	CH-5032	1
7-64	UM615251	Dolby Plate	CH-5033	2
7-65	MZ596250	Bracket B	CH-1033	2
7-66	EM573748	VU Meter KL-280B-28 (Yellow)	46-1-86	2
7-67x	EM619705	VU Meter D18A41R		
		(500/D/502D-JPN)	46-1-96	2
7-68x	SE615374	Meter Mask A	CH-5035	2
7-69	UM586890	VU Mat	CH-5010	2
7-70x	UM612101	Lamp Table (500/D/502D-JPN)	CH-5301	1
7-71x	UM606420	Meter Mask	CH-5029	1
7-72x	UM612022	Bracket C (500/D/502D-JPN)	CH-5315	1
7-73	ES592446	Push SW. 3FT-0001 CF1320	25-5-133	1
7-74x	ES573671	Push SW. 1FST-6U-122-3		
		(505D-WG)	25-5-119	1
7-75	SK531224	Push Button Knob, w/bush	91-5051	3
7-76x	SK531224	Push Button Knob, w/bush		
		(505D-WG)	91-5051	1
7-77	ZW562476	Earth Lug M3		1
7-78x	MZ596272	Side Frame A	CH-1035	1

FIG. 8 ILLUSTRATION OF REAR CHASSIS BLOCK



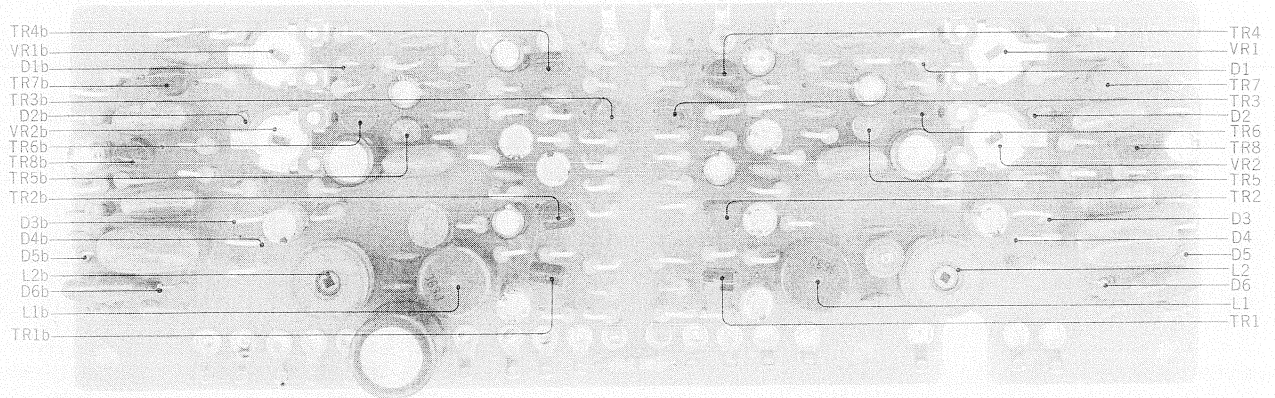
REAR CHASSIS BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty	Ref. No.	Parts No.	Description	Schematic No.	Q'ty
JACK PLATE BLOCK					8-40x	EW486797	Power Supply Cord (VDE)	26-3-26	1
8-1	EJ592481	Jack Plate J-2 (w/jack)	31-5-97	1	8-41x	SM596406	Jack Name Plate	CH-5008	1
8-2x	EJ555862	Jack Plate B (w/jack)			8-42x	SM598590	Jack Name Plate D (JPN)	CH-5008	1
		(500-JPN)	31-5-120	1	8-43x	SM596577	Jack Name Plate B (CSA)	CH-5008	1
8-3x	ER440921	Carbon/R. RD1/4 27k(J)			8-44x	SM598588	Jack Name Plate C (CEE)	CH-5008	1
		(Insu. Type)	35-9-5	2	8-45x	SM598601	Jack Name Plate E (505D-JPN)	CH-5008	1
8-4x	ER529975	Carbon/R. RD1/4 430k(J)			8-46x	SM612191	Jack Name Plate (1)		
		(Insu. Type)	35-9-5	2			(500D/502D-JPN)	CH-5309	1
8-5x	ER315213	Carbon/R. RD1/4 8.2k(J)			8-47x	SM612202	Jack Name Plate (2) (500-JPN)	CH-5309	1
		(Insu. Type)	35-9-5	2	8-48	EJ432088	Nylon Clip HP-6N	2-7-40	1
8-6x	ER345712	Carbon/R. RD1/4 22k(J)			8-49	ZS516205	Tapping Screw #2 3x8 BR,		
		(Insu. Type)	35-9-5	2			w/washer		1
REAR CHASSIS BLOCK					8-50	EZ481296	Trans. Shield, LE	LE-5034	1
8-7	MZ596496	Rear Chassis	CH-5007	1	8-51x	UM612066	Trans. Table (500/D/502D-JPN)	CH-5308	1
8-8	EJ233370	Socket S-18010 (Volt. Selector)	40-2-3	1	8-52x	EZ235113	Trans. Cover Moltplane	LD-535	1
8-9	ZS201150	Screw, truss head 3x6 (Black)		2	8-53x	ZW273881	Earth Lug M4 (3 core)		1
8-10x	EA606565	Fuse P.C. Board (JPN,CSA)			8-54x	ZS592536	Screw, pan head 3x5, w/washer		1
		(505D-JPN)	CH-5028	1	8-55	MZ596272	Side Frame A	CH-1035	1
8-11x	EJ592503	Fuse Clip, P.C. Board H0426			8-56	MZ596305	Bracket G	CH-1038	1
		(JPN, CSA) (505D-JPN)	40-1-37	10	8-57	MZ595631	Side Frame B	CH-1053	1
8-12x	MZ598724	Fuse Angle CH (JPN, CSA)							
		(505D-JPN)	CH-5023	1					
8-13x	EJ606093	Fuse Holder (CEE)	CH-5026	1					
8-14x	ZS379350	ISO Screw, pan head 3x6							
		(JPN, CSA)		2					
8-15	EF563670	Fuse 0.5A 250V	39-1-50	1					
8-16x	EF592514	Fuse 1.2A 250V (JPN)							
		(505D-JPN)	39-1-52	1					
8-17x	EF591535	Fuse 0.8A 125V (JPN)							
		(505D-JPN)	39-1-52	1					
8-18x	EF588420	Fuse 1A 125A (CSA)	39-1-52	2					
8-19x	EF601986	Fuse 1.5A 125V (CSA)	39-1-52	1					
8-20x	EF601942	Fuse 630MAT (Semko T Type)							
		(CEE)	39-1-53	1					
8-21x	EF601953	Fuse 800MAT (Semko T Type)							
		(CEE)	39-1-53	1					
8-22x	EF601964	Fuse 1.6AT (Semko T Type)							
		(CEE)	39-1-53	1					
8-23	BT592470	Power Trans. CHT-1	38-4-295	1					
8-24x	BT592525	Power Trans. CHT-13 (JPN)							
		(505D-JPN)	38-4-294	1					
8-25x	BT602008	Power Trnas. CHT-11(CSA)	38-4-282	1					
8-26x	BT601997	Power Trans. CHT-12 (CEE)	38-4-283	1					
8-27x	BT619773	Power Trans. CHT-16							
		(500/D/502D-JPN)	38-4-312	1					
8-28x	BT622113	Power Trans. CHT-15							
		(500D/502D-JPN)	38-4-311	1					
8-29	EZ486617	Trans. Reinforcement Plate B	LF-5222	2					
8-30	ES447840	Tapping Screw #2 3x8 (BR)		2					
8-31x	ZS462802	Tapping Screw #2 3x15 (BR)							
		(CEE)		2					
8-32	EJ331380	Lug Plate KP1L1	33-3-16	1					
8-33	ZS325495	Tapping #2 3x6		1					
8-34	EZ382263	Strain Relief SR-4K-4	2-7-12	1					
8-35x	EZ246936	Strain Relief SR-6W-1							
		(WG, 3 core)	2-7-8	1					
8-36x	EW540123	AC Cord 2.5M (CUL)	26-3-20	1					
8-37x	EW524845	AC Cord (J) 2.5M (JPN)	26-3-31	1					
8-38x	EW315448	Australia Cord (3 core)	26-3-11	1					
8-39x	EW516600	Power Cord VM-0065 (CEE)	26-3-28	1					

PRE-AMP. P.C. BOARD (CH-5012) BLOCK

Symbol No.	Parts No.	Description	Q'ty	Symbol No.	Parts No.	Description	Q'ty
9-1x	BA592784	Pre-amp. P.C. Board Comp.(CH-5012)	1	Resistor, Stopper Type			
9-2x	BA592795	Pre-amp. P.C. Board Comp. (CH-5012) (505D)	1	9-R1	ER304345	Carbon RD1/4 4.7k(J)	2
9-3x	BA619942	Pre-amp. P.C. Board Comp. (CH-5012) (500-JPN)	1	9-R2	ER306887	Carbon RD1/4 15k(J)	2
9-4x	BA619953	Pre-amp. P.C. Board Comp. (CH-5012) (500D/502D-JPN)	1	9-R3	ER357570	Carbon RD1/4 150k(J)	2
9-TR1, 2	ET391768	Transistor 2SC458LG(C) (D)	4	9-R4	ER426857	Carbon RD1/4 270k(J)	2
9-TR1, 2	ET603257	Transistor 2SC1312S(G) (H) (500/D/502D-JPN)	4	9-R5	ER212264	Carbon RD1/4 22k(J)	2
9-TR3	ET517263	Transistor 2SC1312(G) (H)	2	9-R6	ER336442	Carbon RD1/4 10k(J)	2
9-TR4to8	ET520841	Transistor 2SC711(E) (F) (G)	10	9-R7	ER306843	Carbon RD1/4 1.2k(J)	2
9-D1, D2	ED219464	Germanium Diode 1N34A		9-R8	ER304345	Carbon RD1/4 4.7k(J)	2
9-D3to8	ED560913	Silicon Diode 1S2473 VE	12	9-R9	ER343078	Carbon RD1/4 2.7k(J)	2
9-VR1	EV554670	Semi-fixed/Vol. V10K8-1-5 1k Ω	2	9-R10	ER212264	Carbon RD1/4 22k(J)	2
9-VR2	EV554668	Semi-fixed/Vol. V10K8-1-5 20 k Ω	2	9-R11	ER324202	Carbon RD1/4 5.1k(J)	2
9-T1	BT517274	Headphone Trans. N16-535S	2	9-R12	ER399060	Carbon RD1/4 9.1k(J)	2
9-SW1	ES494076	Slide SW. CL-109B	2	9-R13	ER450011	Carbon RD1/4 120k(J)	2
9-L1	EO483827	Ferri Inductor FL11H 56MH(J)	2	9-R14	ER336442	Carbon RD1/4 10k(J)	2
9-L1	EO368403	Ferri Inductor FL9H 33MH(J) (505D, 500/D/502D-JPN)	2	9-R15	ER304345	Carbon RD1/4 4.7k(J)	2
9-L2	EO368403	Ferri Inductor FL9H 33MH(J)	2	9-R15	ER306887	Carbon RD1/4 15k(J) (505D) (500/D/502D-JPN)	2
9-L3	EO243988	Ferri Inductor FL7H 3.3MH(J)	2	9-R16	ER357412	Carbon RD1/4 220(J)	2
9-L4, 5	EO368403	Ferri Inductor FL9H 33MH(J)	4	9-R17	ER211465	Carbon RD1/4 1k(J)	2
9-L5	EO368403	Ferri Inductor FL9H 33MH(J) (505D, 500/D/502D-JPN)	2	9-R18	ER357491	Carbon RD1/4 82k(J)	2
Capacitor, Vertical Type				9-R19	ER212477	Carbon RD1/4 3.3k(J)	2
9-C1	EC320051	Elect. 10 μ F 16WV	2	9-R20	ER213030	Carbon RD1/4 5.6k(J)	2
9-C2	EC405898	Styrol 470PF(J) 50WV	2	9-R21	ER211757	Carbon RD1/4 100k(J)	2
9-C3	EC513990	Styrol 330PF(J) 50WV	2	9-R22,23	ER213300	Carbon RD1/4 680(J)	4
9-C4	EC483366	VFM 90PF(J) 50WV	2	9-R24	ER346601	Carbon RD1/4 47k(J)	2
9-C5	EC320051	Elect. 10 μ F 16WV	2	9-R24	ER342933	Carbon RD1/4 27k(J) (505D) (500/D/502D-JPN)	2
9-C6	EC493637	Elect. 47 μ F 10WV	2	9-R25	ER212264	Carbon RD1/4 22k(J)	2
9-C7	EC432810	Elect. 10 μ F 16WV NL	2	9-R25	ER349907	Carbon RD1/4 33k(J) (505D) (500/D/502D-JPN)	2
9-C8	EC250683	Mylar 0.0022 μ F(J) 50WV	2	9-R26	ER212681	Carbon RD1/4 330(J)	2
9-C9	EC389485	Mylar 0.018 μ F(J) 50WV	2	9-R27	ER420322	Carbon RD1/4 36k(J)	2
9-C10	EC220127	Elect. 100 μ F 16WV	2	9-R28	ER211465	Carbon RD1/4 1k(J)	2
9-C11	EC450527	Elect. 4.7 μ F 25WV	2	9-R29	ER211757	Carbon RD1/4 100k(J)	2
9-C12	EC320051	Elect. 10 μ F 16WV	2	9-R30	ER212883	Carbon RD1/4 4.7k(J)	2
9-C13	EC565830	Styrol 200PF(J) 50WV	2	9-R31	ER213030	Carbon RD1/4 5.6k(J)	2
9-C14	EC493637	Elect. 47 μ F 10WV	2	9-R32	ER395460	Carbon RD1/4 1.3k(J)	2
9-C15	EC399565	VFM 22PF(J) 500WV	2	9-R33	ER211320	Carbon RD1/4 1.5k(J)	2
9-C16	EC320051	Elect. 10 μ F 16WV	2	9-R35	ER211757	Carbon RD1/4 100k(J)	2
9-C17	EC493637	Elect. 47 μ F 10WV	2	9-R36	ER213030	Carbon RD1/4 5.6k(J)	2
9-C18	EC310792	VFM 120PF(J) 50WV	2	9-R37	ER212883	Carbon RD1/4 4.7k(J)	2
9-C18	EC565830	Styrol 200PF(J) 50WV (505D)	2	9-R38	ER343078	Carbon RD1/4 2.7k(J)	2
9-C19,20	EC320051	Elect. 10 μ F 16WV	4	9-R39	ER357412	Carbon RD1/4 220(J)	2
9-C21	EC493637	Elect. 47 μ F 10WV	2	9-R40	ER306887	Carbon RD1/4 15k(J)	2
9-C22	EC313108	Elect. 1 μ F 50WV	2	9-R41	ER211757	Carbon RD1/4 100k(J)	2
9-C23	EC336126	Elect. 47 μ F 25WV	2	9-R42	ER306360	Carbon RD1/4 6.8k(J)	2
9-C24	EC320051	Elect. 10 μ F 16WV	2	9-R43	ER304290	Carbon RD1/4 10(J)	2
9-C25	EC487157	NP 0.47 μ F(M) 50WV	2	9-R44	ER211465	Carbon RD1/4 1k(J)	2
9-C26	EC391004	Mylar 0.0033 μ F(J) 50WV	2	9-R45	ER343078	Carbon RD1/4 2.7k(J)	2
9-C27	EC450527	Elect. 4.7 μ F 25WV	2	9-R46	ER306887	Carbon RD1/4 15k(J) (500-JPN)	2
9-C28,29	EC565830	Styrol 200PF(J) 50WV	4				
9-C30	EC379157	Mylar 0.033 μ F(J) 50WV	2				
9-C31	EC320051	Elect. 10 μ F 16WV	2				

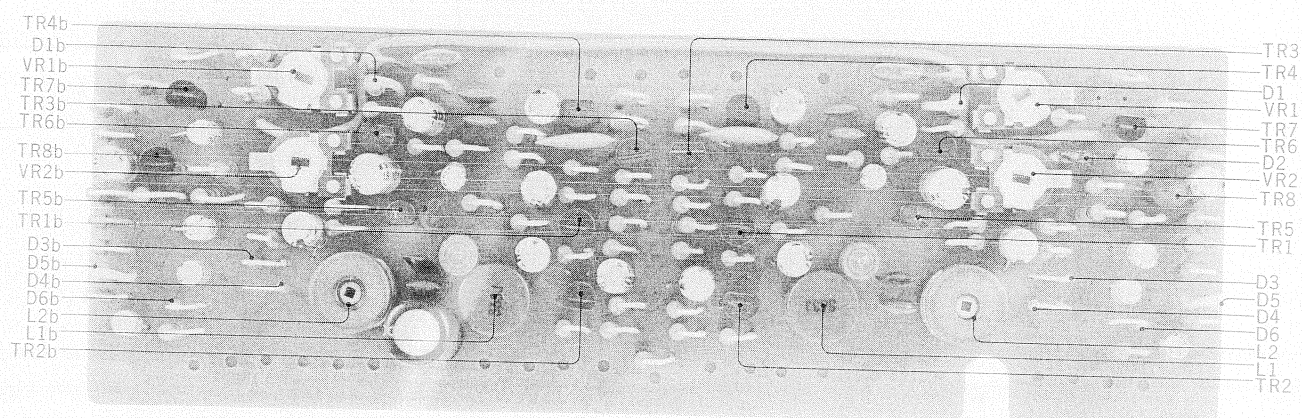
FIG. 10 PHOTO OF DOLBY P.C. BOARD (CP-5003) BLOCK



DOLBY P.C. BOARD (CP-5003) BLOCK

Symbol No.	Parts No.	Description	Q'ty	Symbol No.	Parts No.	Description	Q'ty
10-1x	BA572084	Dolby P.C. Board Comp. (CP-5003)	1	Resistor, Stopper Type			
10-TR1,2	ET601312	Transistor 2SC1647(S) (E) (U)	4	10-R1	ER336442	Carbon RD1/4 10k(J)	2
10-TR3	ET517263	Transistor 2SC1312(G) (H)	2	10-R2	ER212477	Carbon RD1/4 3.3k(J)	2
10-TR4	ET520841	Transistor 2SC711(E) (F) (G)	2	10-R3	ER379631	Carbon RD1/4 300k(J)	2
10-TR5	ET491051	FET 2SK30A(GR)	2	10-R4	ER346601	Carbon RD1/4 47k(J)	2
10-TR6	ET517263	Transistor 2SC1312(G) (H)	2	10-R5	ER212477	Carbon RD1/4 3.3k(J)	2
10-TR7	ET557976	Transistor 2SA628(E) (F)	2	10-R6	ER304402	Carbon RD1/4 470(J)	2
10-TR8	ET520841	Transistor 2SC711(E) (F) (G)	2	10-R7	ER211858	Carbon RD1/4 12k(J)	2
10-D1	ED219464	Germanium Diode 1N34A	2	10-R8	ER211667	Carbon RD1/4 100(J)	2
10-D2	ED491130	Zener Diode WZ-085	2	10-R9	ER211858	Carbon RD1/4 12k(J)	2
10-D3,4	ED514721	Silicon Diode WG-599	4	10-R10	ER357456	Carbon RD1/4 2.2k(J)	2
10-D5	ED219464	Germanium Diode 1N34A	2	10-R11	ER349907	Carbon RD1/4 33k(J)	2
10-D6	ED514721	Silicon Diode WG-599	2	10-R12	ER357570	Carbon RD1/4 150k(J)	2
10-VR1	EV499364	Semi-fixed/Vol. V10K8-4-2 5 k Ω	2	10-R13	ER211757	Carbon RD1/4 100k(J)	2
10-VR2	EV499375	Semi-fixed/Vol. V10K8-4-2 500 Ω B	2	10-R14	ER336442	Carbon RD1/4 10k(J)	2
10-L1	EO496350	Inductor 146LY 36MH(J)	2	10-R15	ER212264	Carbon RD1/4 22k(J)	2
10-L2	EO496361	Inductor 6070GE 23MH(J)	2	10-R16	ER357570	Carbon RD1/4 150k(J)	2
Capacitor, Vertical Type				10-R17	ER349942	Carbon RD1/4 8.2k(J)	2
10-C1	EC320051	Elect. 10 μ F 16WV	2	10-R18	ER371946	Carbon RD1/4 2k(J)	2
10-C3	EC379787	Mylar 0.0039 μ F(J) 50WV	2	10-R19	ER349907	Carbon RD1/4 33k(J)	2
10-C4	EC450055	Elect. 1 μ F 25WV	2	10-R20	ER430301	Carbon RD1/4 820(J)	1
10-C5	EC250683	Mylar 0.0022 μ F(J) 50WV	2	10-R22	ER349907	Carbon RD1/4 33k(J)	2
10-C6,7,8	EC320051	Elect. 10 μ F 16WV	6	10-R23	ER357535	Carbon RD1/4 39k(J)	2
10-C9	EC321208	Elect. 220 μ F 16WV	1	10-R24	ER212477	Carbon RD1/4 3.3k(J)	2
10-C10	EC556525	FM 22PF(K) 500WV	2	10-R25	ER357456	Carbon RD1/4 2.2k(J)	2
10-C11	EC329883	Mylar 0.0056 μ F(J) 50WV	2	10-R26	ER349942	Carbon RD1/4 8.2k(J)	2
10-C12	EC337500	Mylar 0.0047 μ F(J) 50WV	2	10-R27	ER306843	Carbon RD1/4 1.2k(J)	2
10-C13	EC329861	Mylar 0.027 μ F(J) 50WV	2	10-R28	ER430097	Carbon RD1/4 680k(J)	2
10-C14	EC320051	Elect. 10 μ F 16WV	2	10-R29	ER306887	Carbon RD1/4 15k(J)	2
10-C15	EC251291	Mylar 0.1 μ F(K) 50WV	2	10-R30	ER212883	Carbon RD1/4 4.7k(J)	2
10-C16	EC320040	Elect. 47 μ F 16WV	2	10-R31	ER336442	Carbon RD1/4 10k(J)	2
10-C17	EC320051	Elect. 10 μ F 16WV	2	10-R32,33	ER349942	Carbon RD1/4 8.2k(J)	4
10-C18	EC251291	Mylar 0.1 μ F(K) 50WV	2	10-R34	ER349907	Carbon RD1/4 33k(J)	2
10-C19	EC320051	Elect. 10 μ F 16WV	2	10-R35	ER450011	Carbon RD1/4 120k(J)	2
10-C20,21	EC251291	Mylar 0.1 μ F(K) 50WV	4	10-R36	ER346601	Carbon RD1/4 47k(J)	2
10-C22	EC395504	Mylar 0.33 μ F(K) 50WV	2	10-R37	ER343078	Carbon RD1/4 2.7k(J)	2
10-C23	EC290531	VFM 100PF(K) 50WV	2	10-R38	ER211465	Carbon RD1/4 1k(J)	2
10-C24	EC357827	VFM 50PF(K) 50WV	2	10-R39	ER213120	Carbon RD1/4 56(J)	2
				10-R40	ER361642	Carbon RD1/4 47(J)	2
				10-R41	ER306887	Carbon RD1/4 15k(J)	2
				10-R42,43	ER426857	Carbon RD1/4 270k(J)	4
				10-R44	ER380711	Carbon RD1/4 220k(J)	2

FIG. 11 PHOTO OF DOLBY P.C. BOARD (CH-5316) BLOCK



DOLBY P.C. BOARD (CH-5316) BLOCK

Symbol No.	Parts No.	Description	Q'ty	Symbol No.	Parts No.	Description	Q'ty
11-1x	BA620076	Dolby P.C. Board Comp.		Resistor, Stopper Type			
		(CH-5316)(502D)		11-R1,2	ER306360	Carbon RD1/4 6.8k(J)	4
11-TR1,2	ET619637	Transistor 2SC1647(Q)(R)(S)(E)(U)	4	11-R3	ER349907	Carbon RD1/4 33k(J)	2
11-TR3	ET619648	Transistor 2SC1648(Q)(R)(S)(E)(U)	2	11-R4	ER306360	Carbon RD1/4 6.8k(J)	2
11-TR4	ET619637	Transistor 2SC1647(Q)(R)(S)(E)(U)	2	11-R5	ER336442	Carbon RD1/4 10k(J)	2
11-TR5	ET552870	FET 2SK30 (Y) (GR)	2	11-R6,7	ER212477	Carbon RD1/4 3.3k(J)	4
11-TR6	ET619648	Transistor 2SC1648(Q)(R)(S)(E)(U)	2	11-R8	ER349907	Carbon RD1/4 33k(J)	2
11-TR7	ET619738	Transistor 2SA628(E)(F)(G)	2	11-R9	ER357570	Carbon RD1/4 150k(J)	2
11-TR8	ET619637	Transistor 2SC1647(Q)(R)(S)(E)(U)	2	11-R10	ER211757	Carbon RD1/4 100K(J)	2
11-D1	ED562386	Germanium Diode 1S188AM	2	11-R11	ER336442	Carbon RD1/4 10k(J)	2
11-D2	ED491130	Zener Diode WZ-085	1	11-R12	ER357570	Carbon RD1/4 150k(J)	2
11-D3,4	ED560913	Silicon Diode 1S2473VE	4	11-R13	ER212264	Carbon RD1/4 22k(J)	2
11-D5	ED562386	Germanium Diode 1S188AM	2	11-R14	ER349942	Carbon RD1/4 8.2k(J)	2
11-D6	ED560913	Silicon Diode 1S2473VE	2	11-R15	ER212477	Carbon RD1/4 3.3k(J)	2
11-VR1	EV499364	Semi-fixed/Vol. V10K8-4-2 5 kΩ	2	11-R16	ER349907	Carbon RD1/4 33k(J)	2
11-VR2	EV499375	Semi-fixed/Vol. V10K8-4-2 500ΩB	2	11-R17	ER346601	Carbon RD1/4 47k(J)	2
11-L1	EO496350	Inductor 146LY 36MH(J)	2	11-R18	ER212477	Carbon RD1/4 3.3k(J)	2
11-L2	EO496361	Inductor 6070GE 23MH(J)	2	11-R19	ER306843	Carbon RD1/4 1.2k(J)	2
		Capacitor, Vertical Type		11-R20	ER349942	Carbon RD1/4 8.2k(J)	2
11-C1	EC379787	Mylar 0.0039μF(J) 50WV	2	11-R21	ER211465	Carbon RD1/4 1k(J)	1
11-C2	EC495865	Styrol 300PF(J) 50WV	2	11-R22	ER419040	Carbon RD1/4 1M(J)	2
11-C3	EC250683	Mylar 0.0022μF(J) 50WV	2	11-R23	ER593414	Carbon RD1/4 1.8M(J)	2
11-C4to8	EC320051	Elect. 10μF 16WV	8	11-R24	ER306887	Carbon RD1/4 15k(J)	2
11-C9	EC321208	Elect. 220μF 16WV	1	11-R25	ER212883	Carbon RD1/4 4.7k(J)	2
11-C10	EC619661	Ceramic DD350 B 150PF(K) 50WV	2	11-R26	ER336442	Carbon RD1/4 10k(J)	2
11-C11	EC329883	Mylar 0.0056μF(J) 50WV	2	11-R27,28	ER349942	Carbon RD1/4 8.2k(J)	4
11-C12	EC337500	Mylar 0.0047μF(J) 50WV	2	11-R29	ER349907	Carbon RD1/4 33k(J)	2
11-C13	EC329861	Mylar 0.027μF(J) 50WV	2	11-R30	ER450011	Carbon RD1/4 120k(J)	2
11-C14	EC320051	Elect. 10μF 16WV	2	11-R31	ER346601	Carbon RD1/4 47k(J)	2
11-C15	EC251291	Mylar 0.1μF(K) 50WV	2	11-R32	ER343078	Carbon RD1/4 2.7k(J)	2
11-C16	EC493637	Elect. 47μF 10WV	2	11-R33	ER211465	Carbon RD1/4 1k(J)	2
11-C17	EC320051	Elect. 10μF 16WV	2	11-R34	ER213120	Carbon RD1/4 56(J)	2
11-C18	EC251291	Mylar 0.1μF(K) 50WV	2	11-R35	ER361642	Carbon RD1/4 47(J)	2
11-C19	EC320051	Elect. 10μF 16WV	2	11-R36	ER306887	Carbon RD1/4 15k(J)	2
11-C20,21	EC251291	Mylar 0.1μF(K) 50WV	4	11-R37,38	ER426857	Carbon RD1/4 270k(J)	4
11-C22	EC604102	Solid Aluminum 0.33μF(K) 25WV	2	11-R39	ER380711	Carbon RD1/4 220k(J)	2
				11-R40	ER213467	Carbon RD1/4 820(J)	1

FIG. 12 PHOTO OF SYS. CON. P.C. BOARD (CG-1413) BLOCK

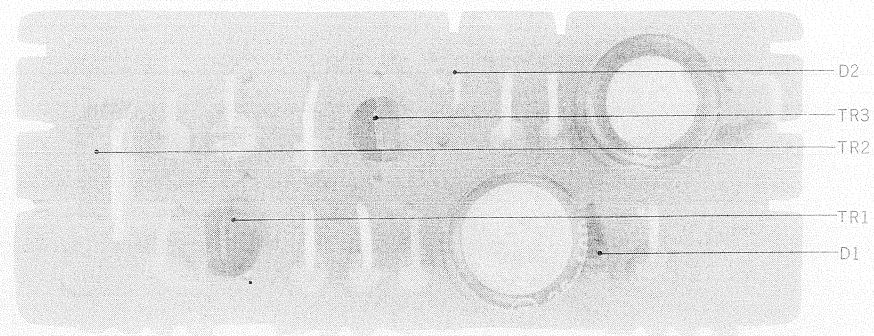


FIG. 13 PHOTO OF POWER SUPPLY P.C. BOARD (CG-5401) BLOCK

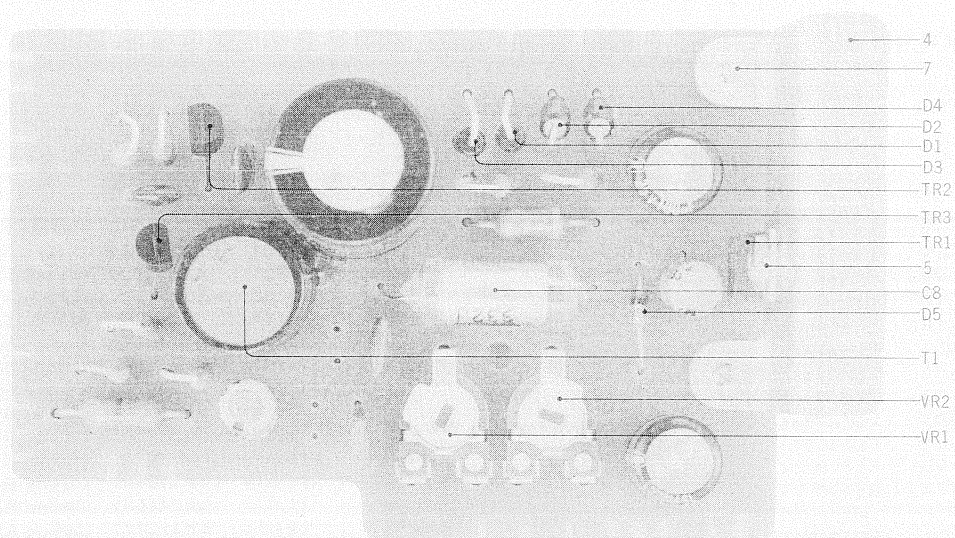
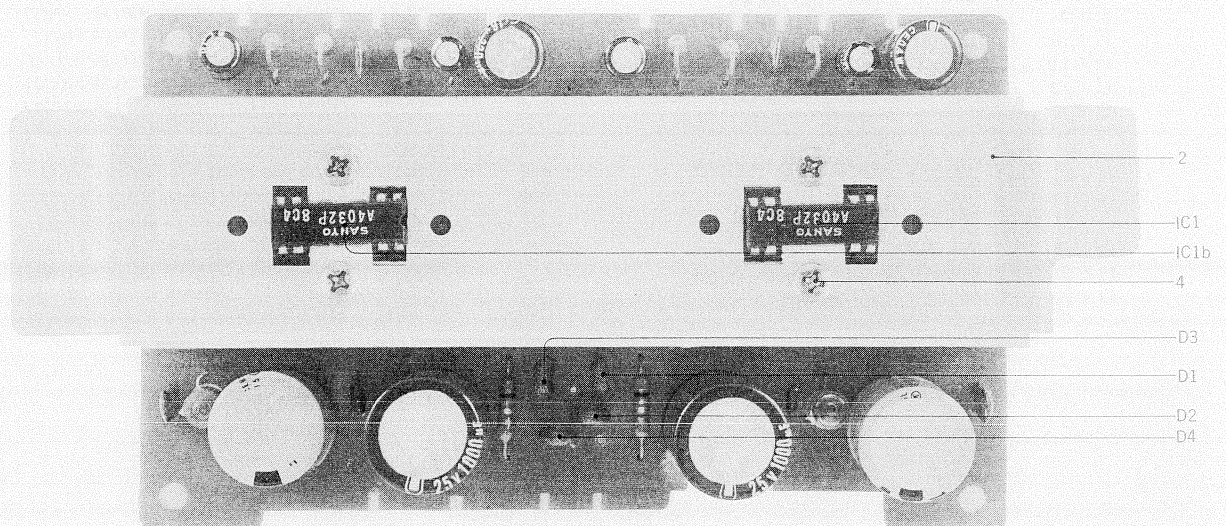


FIG. 14 PHOTO OF MAIN AMP. P.C. BOARD (CG-5403) BLOCK



SYS. CON. P.C. BOARD (CG-1413) BLOCK

Symbol No.	Parts No.	Description	Q'ty
12-1x	BA557335	Sys. Con. P.C. Board Comp. (CG-1413)	1
12-TR1	ET398777	Transistor 2SC711(G)(F)	1
12-TR2	ET517375	Transistor 2SD360(D)(E)	1
12-TR3	ET539122	Transistor 2SA733(P) (Q)(R)	1
12-D1	ED515790	Silicon Diode WG-713	1
12-D2	ED516420	Silicon Diode WG-599	1
12-C1,2	EC220151	Elect./C. 100 μ F 25WV (Vertical Type)	2
Resistor, Stopper Type			
12-R1,2	ER212883	Carbon RD1/4 4.7k(J)	2
12-R3	ER212477	Carbon RD1/4 3.3k(J)	1
12-R5	ER212477	Carbon RD1/4 3.3k(J)	1
12-R6	ER212264	Carbon RD1/4 22k(J)	1
12-R7	ER346994	Carbon RD1/4 18k(J)	1
12-R8	ER357456	Carbon RD1/4 2.2k(J)	1
12-R9	ER550811	Carbon RD1/2 1.5k(J)	1
12-R10	ER430018	Carbon RD1/4 1(J)	1
12-R11	ER357456	Carbon RD1/4 2.2k(J)	1
12-R12	ER212264	Carbon RD1/4 22k(J)	1

POWER SUPPLY P.C. BOARD (CG-5401) BLOCK

Symbol No.	Parts No.	Description	Q'ty
13-1x	BZ592863	Power Supply P.C. Board Comp. (CG-5401)	1
13-2x	BZ602133	Power Supply P.C. Board Comp. (CG-5401)(JPN,CEE,CSA)	1
13-3x	BA622945	Power Supply P.C. Board Comp. (CG-5401)(500/D/502D)	1
13-TR1	ET453611	Transistor 2SC1096(L)(K)(Z Type)	1
13-TR2,3	ET517994	Transistor 2SC945(P)(Q)(R)(K)	2
13-D1to4	ED511097	Silicon Diode 1N4001	4
13-D5	ED498150	Zener Diode W Z-192	1
13-T1	EO496844	OSC. Coil OT-903	1
13-VR1,2	EV499882	Semi-fixed/V9I. V10K8-4-2 300 k Ω	2
13-4	UM518646	Heat-sink Plate B	1
13-5	ZS321298	ISO Screw, binding head 3x8	1
13-6	ZW273756	Nut M3	1
13-7	ZS413728	Screw, binding head 3x6, w/washer	2
Capacitor, Vertical Type			
13-C1	EC432652	Elect. 1000 μ F 35WV	1
13-C3,4	EC220151	Elect. 100 μ F 25WV	2
13-C5	EC250841	Mylar 0.01 μ F(J) 50WV	1
13-C6	EC220994	Elect. 10 μ F 25WV	1
13-C7	EC250841	Mylar 0.01 μ F(J) 50WV	1
13-C8	EC554602	Styrol 3300PF(J) 250WV	1
13-C9,10	EC290531	VFM 100PF(K) 50WV	2
13-C11	EC220994	Elect. 10 μ F 25WV	1
Resistor, Stopper Type			
13-R1	ER520852	Carbon RD1/2 4.7(J) (Insu. Type)	1
13-R1	ER556492	Solid RD1/2 4.7(K) (500/D, 502D)	1
13-R2	ER213300	Carbon RD1/4 680(J)	1
13-R3	ER212681	Carbon RD1/4 330(J)	1
13-R4	ER430053	Carbon RD1/4 22(J)	1
13-R5	ER517397	Carbon RD1/2 220(K)	1
13-R6	ER304290	Carbon RD1/4 10(J)	1
13-R7	ER212883	Carbon RD1/4 4.7k (J)	1
13-R8	ER304290	Carbon RD1/4 10(J)	1
13-R9	ER212681	Carbon RD1/4 330(J)	1

MAIN AMP. P.C. BOARD (CG-5403) BLOCK

Symbol No.	Parts No.	Description	Q'ty
14-1x	BA559980	Main Amp. P.C. Board Comp. (CG-5403)	1
14-IC1	EI517342	I.C. Power Amp. LA-4032P	2
14-D1to4	ED511097	Silicon Diode 1N4001	4
14-2	EZ542035	Heat-sink B	1
14-3	UM518668	I.C. Retaining Metal	1
14-4	ZS417194	Screw, binding head 3x10	4
14-5	ZW273756	Nut M3	4
Capacitor, Vertical Type			
14-C1	EC320051	Elect. 10 μ F 16WV	2
14-C2	EC450066	Elect. 33 μ F 16WV	2
14-C3	EC321208	Elect. 220 μ F 16WV	2
14-C4	EC250661	Mylar 0.0015 μ F(K) 50WV	2
14-C5	EC362158	Mylar 0.0047 μ F(K) 50WV	2
14-C6	EC515834	Styrol 560PF(K) 50WV	2
14-C7	EC450270	Elect. 1000 μ F 25WV	2
14-C8	EC336148	Elect. 1000 μ F 16WV	2
14-C9	EC250885	Mylar 0.01 μ F(K) 50WV	2
Resistor, Stopper Type			
14-R1	ER212681	Carbon RD1/4 330(J)	2
14-R2	ER517320	Carbon RD1/4 0.5(J)	2
14-R3	ER336442	Carbon RD1/4 10k(J)	2
14-R4	ER306887	Carbon RD1/4 15k(J)	2

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

FIG. 15 PHOTO OF FINAL ASSEMBLY BLOCK



FINAL ASSEMBLY BLOCK

Ref. No.	Parts No.	Description	Schematic No.	Q'ty	Ref. No.	Parts No.	Description	Schematic No.	Q'ty
FRONT PANEL BLOCK					ASSEMBLY BLOCK				
15-1x	BZ592694	Front Panel Block Comp.	CH-1	1	15-35	SZ596441	Lid Case	CH-6017	1
15-2x	BZ592705	Front Panel Block Comp. (505D)	CH-2	1	15-36	SP596452	Lid Panel	CH-6018	1
15-3	SP596520	Front Panel	CH-6001	1	15-37	SM518310	Name Plate (GX) B	CG-6411	1
15-4	SE598803	SW. Collar B	LF-5301	4	15-38	SC596531	Case	CH-6021	1
15-5	UM586822	Mic Jack Color	CH-6015	3	15-39x	BC612235	Case	CH-6306	1
15-6	SE596417	Sash (Left)	CH-6002	1	15-40x	SP612213	Rear Cover	CH-6311	1
15-7	SE596428	Sash (Right)	CH-6002	1	15-41	UM586776	Rubber Foot	CH-6022	2
15-8	SP586901	Case Panel 1	CH-6003	1	15-42x	ZS462802	Tapping Screw #2 3x15 (BR)		7
15-9	SP596507	Case Panel 2	CH-6004	1	15-43x	ZS608973	Tapping Screw #2 3x20 oval countersunk		2
15-10	SP596518	Case Panel 3	CH-6006	1	15-44x	ZW259571	Washer D3.4x13x1t		1
15-11	SP586912	Case Panel 4	CH-6008	1	15-45	SK586844	Single Knob 2	CH-6020	5
15-12x	SP586361	Case Panel 5 (505D)	CH-6201	1	15-46x	SK548662	Volume Knob Comp. (505D)	MU-6219	2
15-13x	SP598465	Case Panel 6 (505D)	CH-6203	1	15-47x	SK612156	Single Knob (1) (502D,500D)	CH-6307	2
15-14	SE596430	Meter Escutcheon	CH-6016	2	15-48x	SK612033	Double Knob (Upper) (500)	CH-6312	2
15-15x	ZW618884	Nut M2 #1		8	15-49x	SK612044	Double Knob (Lower) (500)	CH-6313	2
15-16	SM586923	Counter Name Plate A	CH-6009	1	15-50x	SM598566	Rear Name Plate GXC-510D	CG-6510	1
15-17x	UM586855	Tape Run Lens	CH-6010	1	15-51x	SM598555	Rear Name Plate GXC-505D	CG-6212	1
15-18	UM586811	Mode Plate	CH-6014	1	15-52x	SM614261	Rear Name Plate GXC-500	CG-6212	1
15-19x	MZ598713	Mode Plate B (505D)	CH-6014	1	15-53x	SM614272	Rear Name Plate GXC-500D	CG-6212	1
15-20x	MZ598792	Plate Retainer	CH-6032	1	15-54x	SM614283	Rear Name Plate GXC-502D	CG-6510	1
15-21x	ZS432674	Screw, pan head 3x3		2	15-55x	SC598406	Cycle Cover	CH-6030	1
15-22	SM586787	GXC-510D Name Plate	CH-6023	1	15-56x	ZS324448	Tapping Screw #1 3x10 (truss) (black)		2
FRONT CASE BLOCK					15-57x	UM609974	Retaining Metal Parts	CH-6038	2
15-23x	BC619885	Front Case Block Comp. (500)	CH-3	1	15-58x	SA522854	Rubber Foot LSR-15D	PX-3008	2
15-24x	BC619896	Front Case Block Comp. (500D)	CH-3	1	15-59x	ZW272756	Nut M3		2
15-25x	BC619907	Front Case Block Comp. (502D)	CH-3	1	15-60x	ZW616004	Washer D3.2x8x1t		2
15-26x	UM612281	Front Case 1 (502D)	CH-6301	1	15-61x	ZW419670	ISO Screw, pan head 3x12		2
15-27x	UM612292	Front Case 2 (500/D)	CH-6301	1	15-62x	EF563670	Fuse 0.5A 250V	39-1-50	2
15-28x	SP612270	Upper Panel (500)	CH-6309	1					
15-29x	SP612516	Upper Panel B (500D)	CH-6309	1					
15-30x	SP612404	Upper Panel C (502D)	CH-6309	1					
15-31x	SE612224	Sash	CH-6305	1					
15-32x	SE612055	Lamp Lens A (Red)	CH-6314	1					
15-33x	SE612077	Lamp Lens B (Orange)	CH-6314	1					
15-34x	UM494267	Lamp Cover	CG-2206	2					

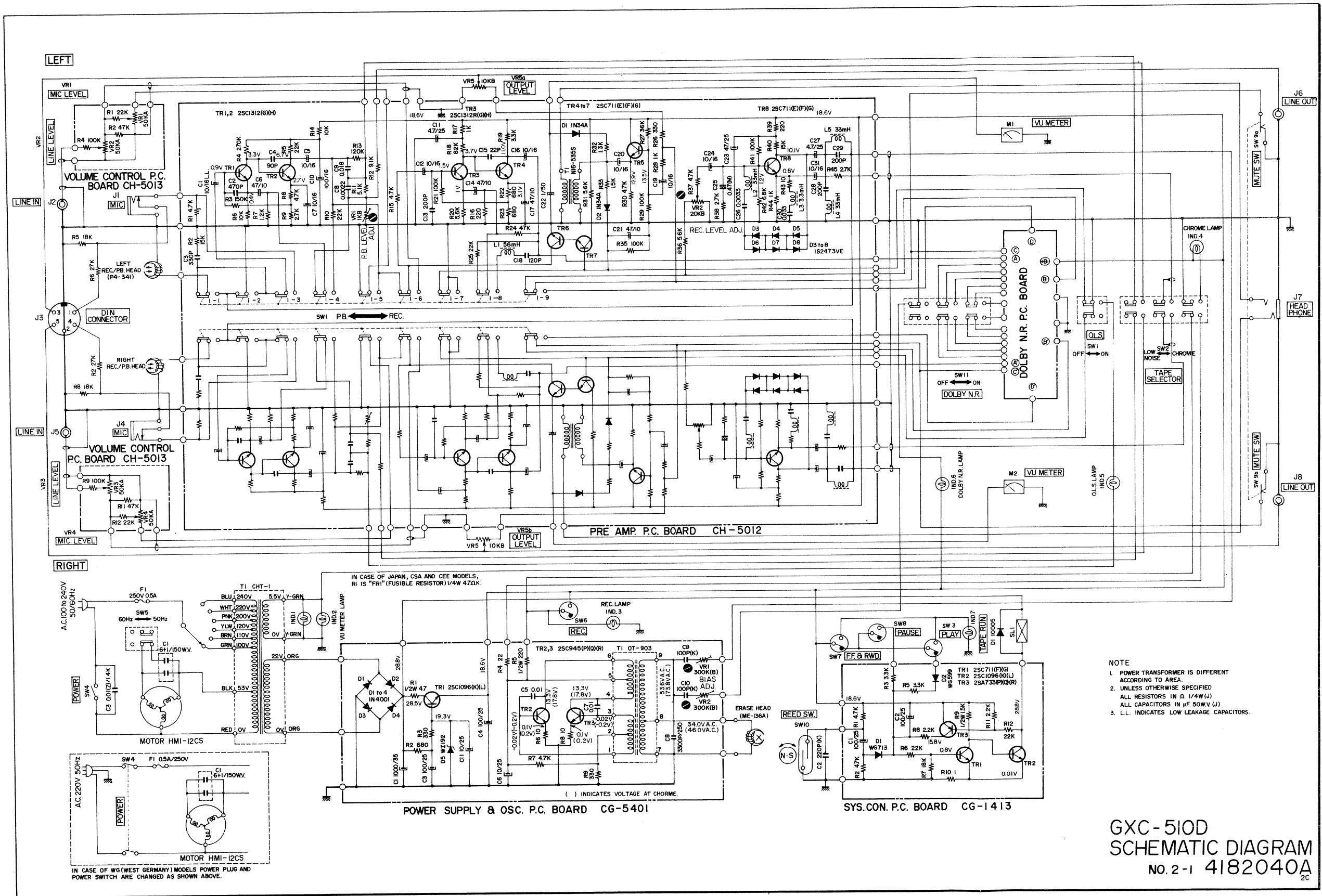
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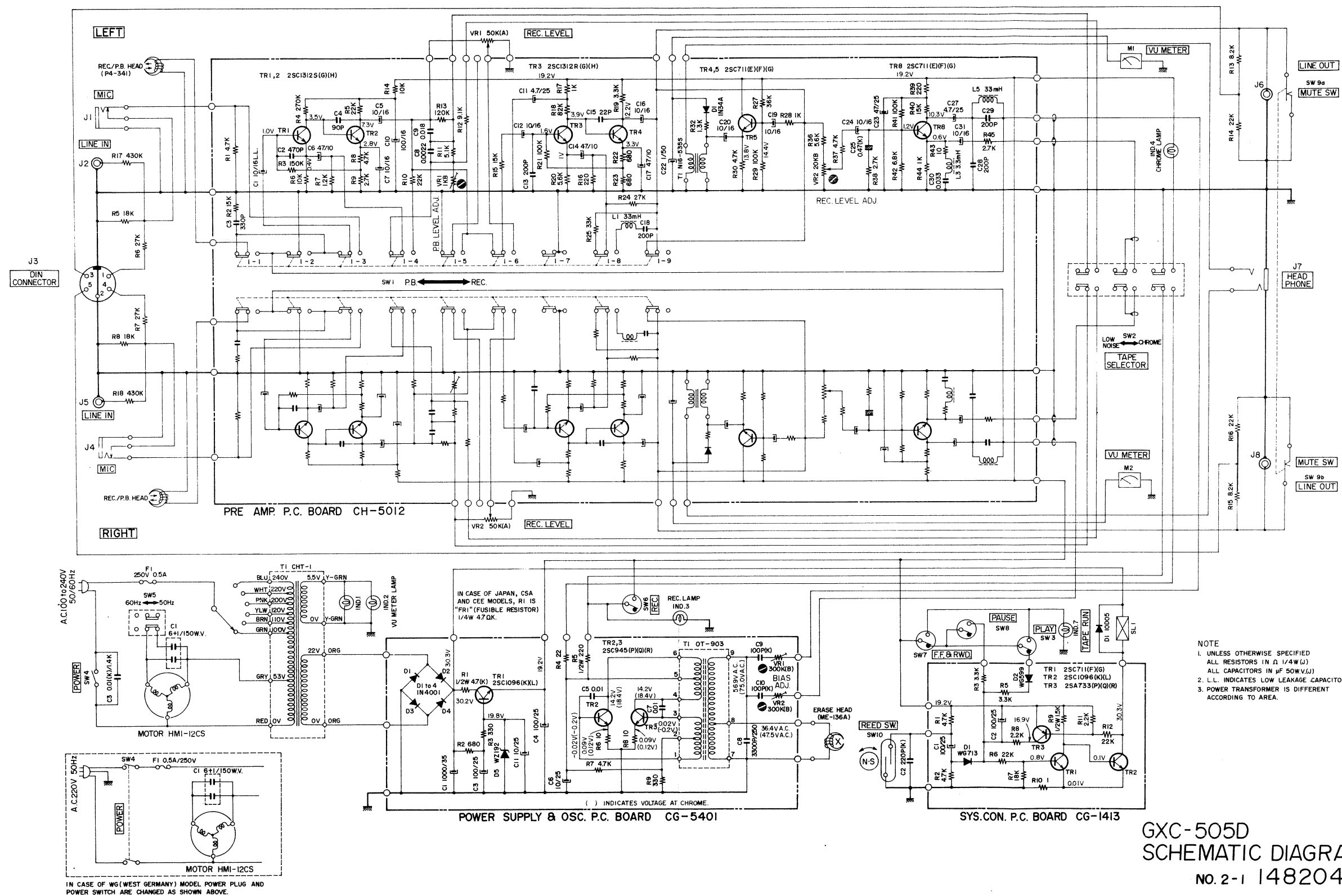
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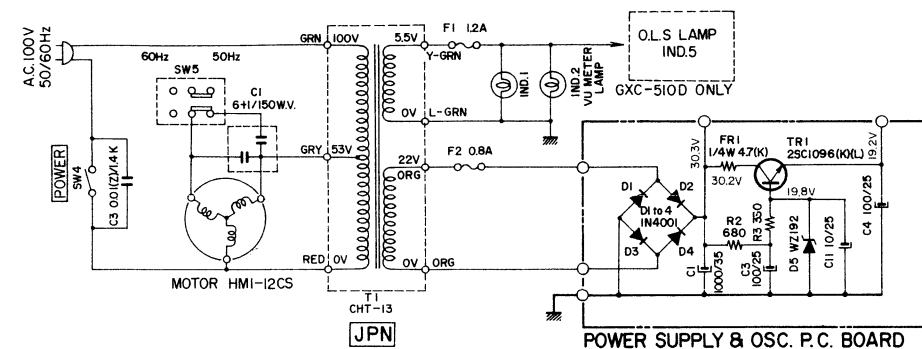
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AA596485	7-50	EC320051	10-C6,7,8	EF591535	7-29x	ER212883	10-R30	ER357456	12-R8
BA557335	12-1x	EC320051	10-C14	EF591535	8-17x	ER212883	11-R25	ER357456	12-R11
BA559980	14-1x	EC320051	10-C17	EF592514	8-16x	ER212883	12-R1,2	ER357491	9-R18
BA572084	10-1x	EC320051	10-C19	EF601942	8-20x	ER212883	13-R7	ER357535	10-R23
BA592784	9-1x	EC320051	11-C4to8	EF601953	8-21x	ER213030	9-R20	ER357570	9-R3
BA592795	9-2x	EC320051	11-C14	EF601964	8-22x	ER213030	9-R31	ER357570	10-R12
BA619942	9-3x	EC320051	11-C17	EF601986	7-28x	ER213030	9-R36	ER357570	10-R16
BA619953	9-4x	EC320051	11-C19	EF601986	8-19x	ER213120	10-R39	ER357570	11-R9
BA620076	11-1x	EC320051	14-C1	EI517342	14-1C1	ER213120	11-R34	ER357570	11-R12
BA622945	13-3x	EC321208	10-C9	EJ233370	8-8	ER213300	9-R22,23	ER361642	10-R40
BC612235	15-39x	EC321208	11-C9	EJ331380	8-32	ER213300	13-R2	ER361642	11-R35
BC619885	15-23x	EC321208	14-C3	EJ432088	8-48	ER213467	11-R40	ER364983	7-39x
BC619896	15-24x	EC329861	10-C13	EJ510333	6-69x	ER213715	7-12x	ER371946	10-R18
BC619907	15-25x	EC329861	11-C13	EJ514822	5-75x	ER304290	9-R43	ER379631	10-R3
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BT619773	8-27x	EC393671	6-32	EL603268	7-47x	ER306887	9-R15	ER440921	8-3x
BT622113	8-28x	EC395504	10-C2	EM573748	7-66	ER306887	9-R40	ER450011	9-R13
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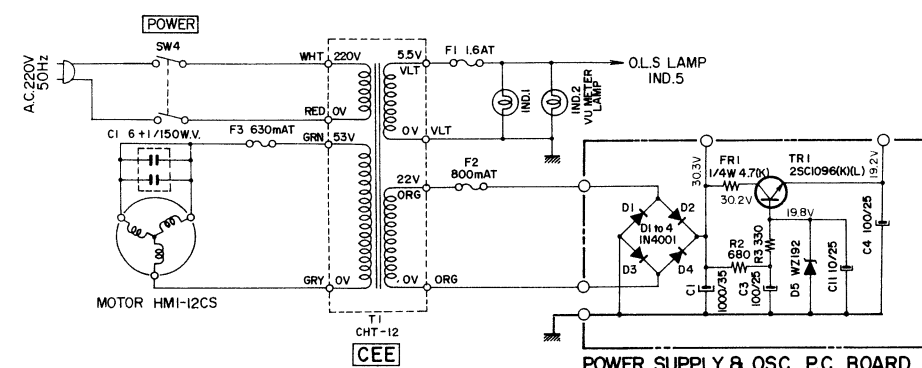
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EV499882	13-VR1,2	MZ596261	6-28	UM394200	3-27	ZG305010	5-58	ZW260280	7-18x
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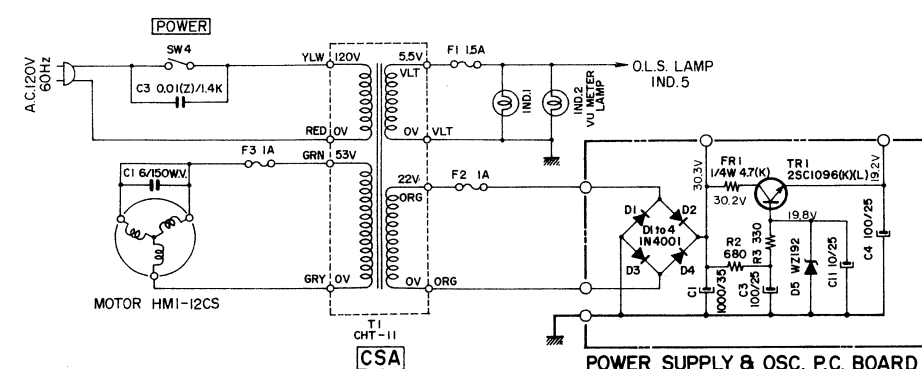




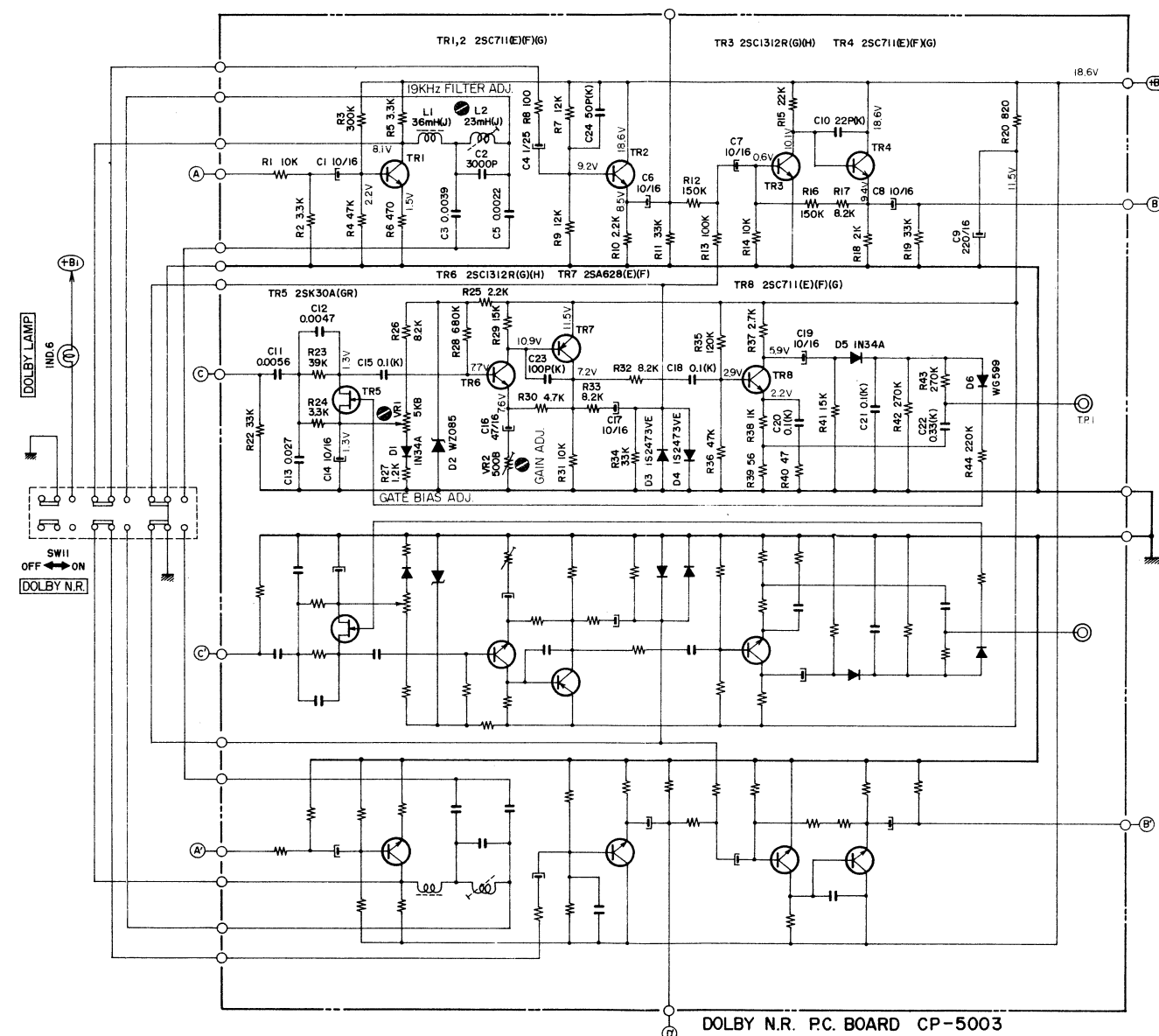
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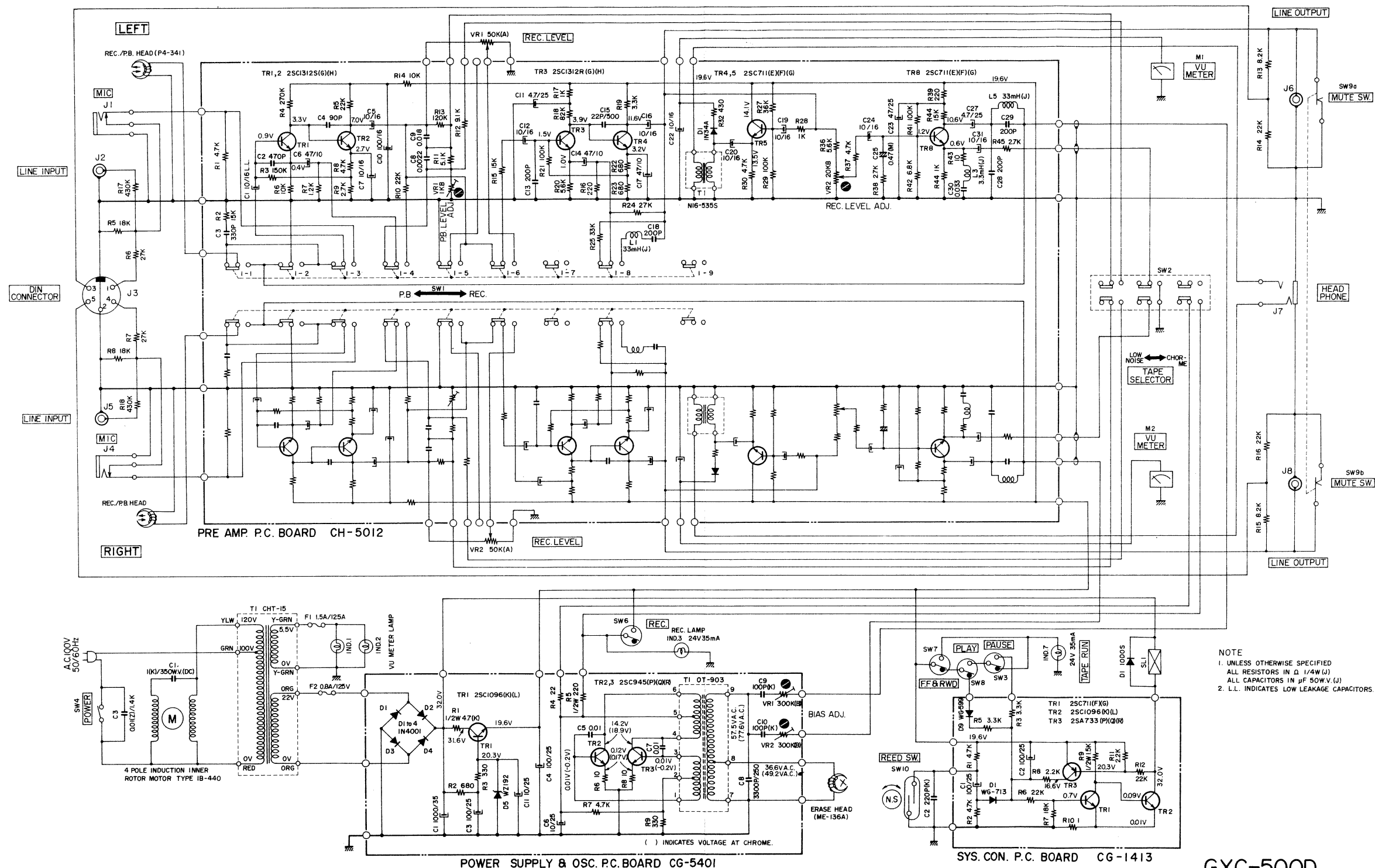
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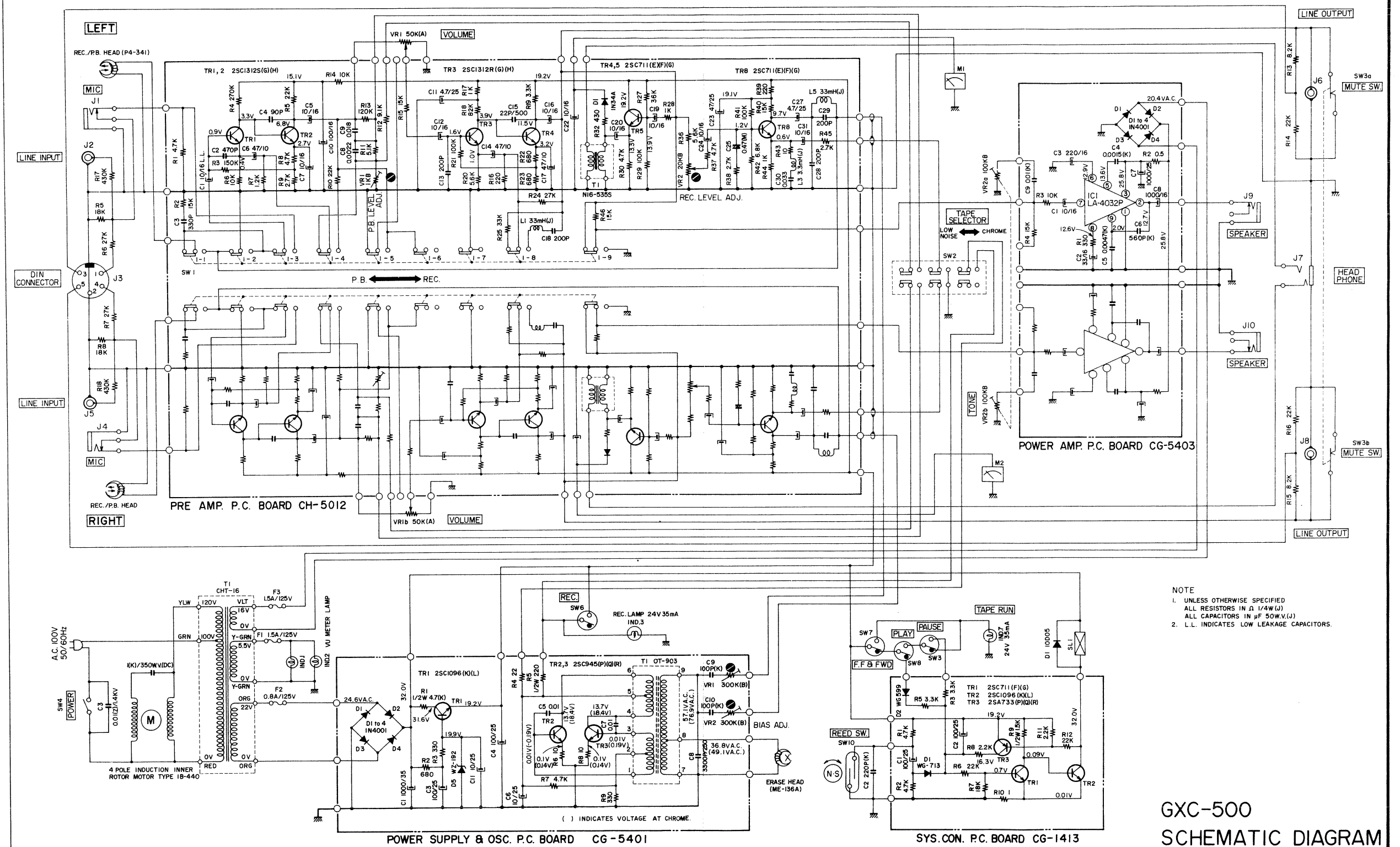
NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN Ω 1/4W(1)
ALL CAPACITORS IN μ F 50WV(1)

GXC-510D, GXC-505D
SCHEMATIC DIAGRAM
NO. 2-2 1482042A
2C

GXC-500D



GXC-500



GXC-500
SCHEMATIC DIAGRAM
NO. 1482453A