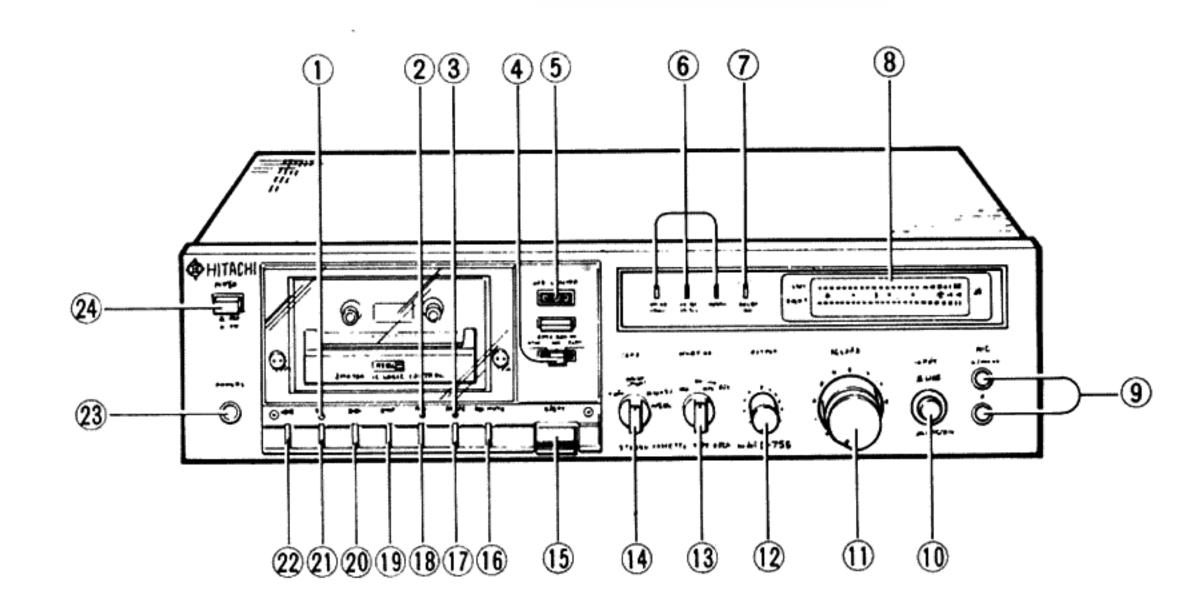


D-75s (U, C, W, FS, BS, AU)

SERVICE MANUAL

English

No. 1192



KEY TO ILLUSTRATIONS

- 1. Play Indicator
- 2. Recording Indicator
- 3. Pause Indicator
- 4. Auto Rewind Switch
- 5. Tape Counter
- 6. Tape Position Indicator
- 7. Dolby Indicator
- 8. Digital Peak Meter
- Microphone Sockets (left/mono and Right)

- 10. Input Selector
- 11. Recording Level Control (Left/Right)
- 12. Output level Control
- 13. Dolby NR/MPX Filter Switch
- 14. Tape Selector Switch
- 15. Eject button
- 16. Rec. Mute Button

- 17. Pause Button
- 18. Record Button
- 19. Stop Button
- 20. Fast Forward Button
- 21. Playback Button
- 22 Rewind Button
- 23. Headphone Socket
- 24. Power (Mains) Switch

-SAFETY PRECAUTION

The following precautions should be observed when servicing.

- Since many parts in the unit have special safety related characteristics, always use genuine Hitachi's replacement parts. Especially critical parts in the power circuit block should not be replaced with those of other manufactures.
 Critical parts are marked with ★ in the schematic diagram, and circuit board diagram.
- Before returning a repaired unit to the customer, the service technician must thoroughly test the unit to ascertain that it is completely safe to operate without danger of electrical shock.

Note:

U USAFS Switzerland and ScandinaviaC CanadaW General AreaBS Great BritainAU Australia

STEREO CASSETTE TAPE DECK

SPECIFICATIONS

Semi-conductors:

IC's 8

Transistors 18 Diodes 27

LED's 7

Track System: 4 track 2 channel

Tape: Cassette tape (C-30, 60, 90)

Tape Speed: 4.75 cm/s

Recording System and

Bias Frequency: AC bias, 85 kHz

Erasing System: AC erase

Erase Ratio: 65 dB or more (at 1 kHz)

Frequency Response:

Normal (UD-ER) 20 Hz to 17 kHz

30 Hz to 15 kHz (±3 dB)

30 Hz to 15 kHz+

Metal 20 Hz to 19 kHz

30 Hz to 17 kHz (±3dB)

30 Hz to 17kHz*

CrO₂ (UD-EX) 20 Hz to 18 kHz

30 Hz to 16 kHz (±3 dB)

30 Hz to 16 kHz*

FeCr 20 Hz to 17 kHz

30 Hz to 15 kHz (±3 dB)

30 Hz to 15 kHz*

S/N (Signal to Noise Ratio):

Dolby NR OFF 58 dB (A weighted, Reference 3%

T.H.D. UD-EX Tape)

57 dB*

Dolby NR ON 66 dB (A weighted, Reference 3%

T.H.D. UD-EX Tape)

64 dB*

Wow and Flutter:

0.04% (WRMS)

0.13%*

Input Sensitivity and Impedance:

Microphone 0.38 mV, 300 ohms to 5 kohms

Line in 60 mV, 100 kohms
DIN in 0.38mV, 3.3 kohms

(For W, AU, BS, FS)

Output Level: 500mV or more

Output Load Impedance:

Line out 50 kohms

DIN out 470 kohms (For W, AU BS, FS)

Headphone 8 ohms to 2 kohms

Distortion: Less than 1.2% (1 kHz 0 dB)

Cross Talk:

Between tracks 60 dB (at 1 kHz) or more

Between channels 30 dB (at 1 kHz) or more

Power Supply: AC 120V, 60 Hz (For U, C)

AC 220V, 50 Hz (For FS) AC 240V, 50 Hz (For BS, AU) AC 100 to 110V, 115 to 127V 200 to 220V, 230 to 250V

50/60 Hz (For W)

Power Consumption: 24 W

Dimensions: 110 (H) X 435 (W) X 267 (D) mm

Weight: 6.2 kg

Motor: Electronically controlled motor × 1

DC motor X 1

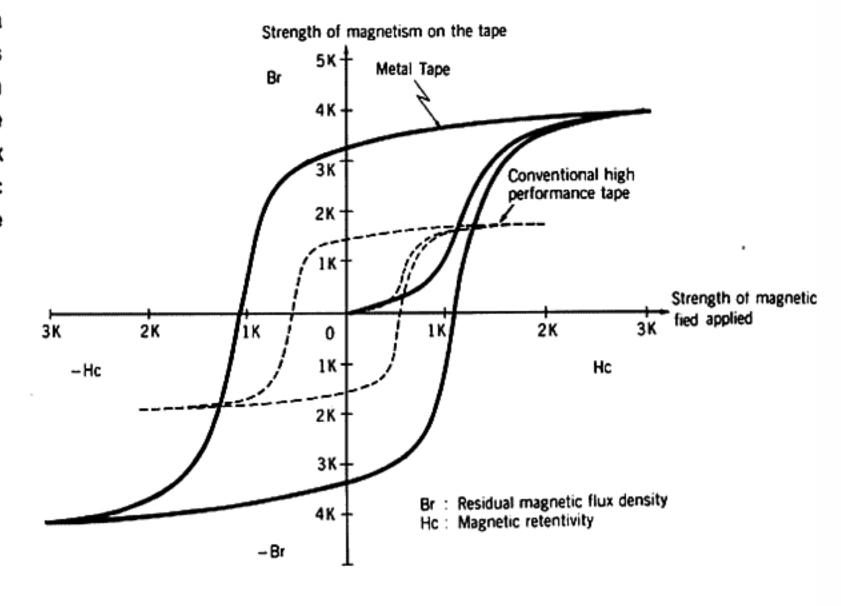
Heads: Record/Playback Head X 1

Erase head X 1

* According to DIN 45 500

Features of Metal Tape

Metal Tape is a newly developed cassette tape, which has a magnetic material mainly composed of pure iron (Fe) on its polyester base. Compared with conventional tape which uses oxide as its magnetic material, this new cassette tape has higher magnetic retentivity and residual magnetic flux density, so it is much more effective, improving the dynamic range of cassette decks at high frequencies, increasing the max. recording level, reducing distortion, etc.



REC/PLAY/ERASE heads adapted for the metal tape

The REC/PLAY head made from Sendust alloy can generate sufficient recording bias magnetic field which matches the high magnetic retentivity of Metal Tape. The ERASE head, which has a double-gap structure using special ferrite material is used to completely erase the signal recorded on Metal Tape, so the greatly improved performance of Metal Tape can be displayed to the full.

(Reference) Recording bias current is as shown below.

Normal tape : Approx. 350μA CrO₂ tape : Approx. 450μA Metal tape : Approx. 800μA

Caution:

Some Metal Tape have level fluctuations caused by peeling off of the magnetic powder, so use the magnetic tape after fully cleaning the head surface and capstan and pressure roller using alcohol.

DESCRIPTION OF NEW CIRCUIT

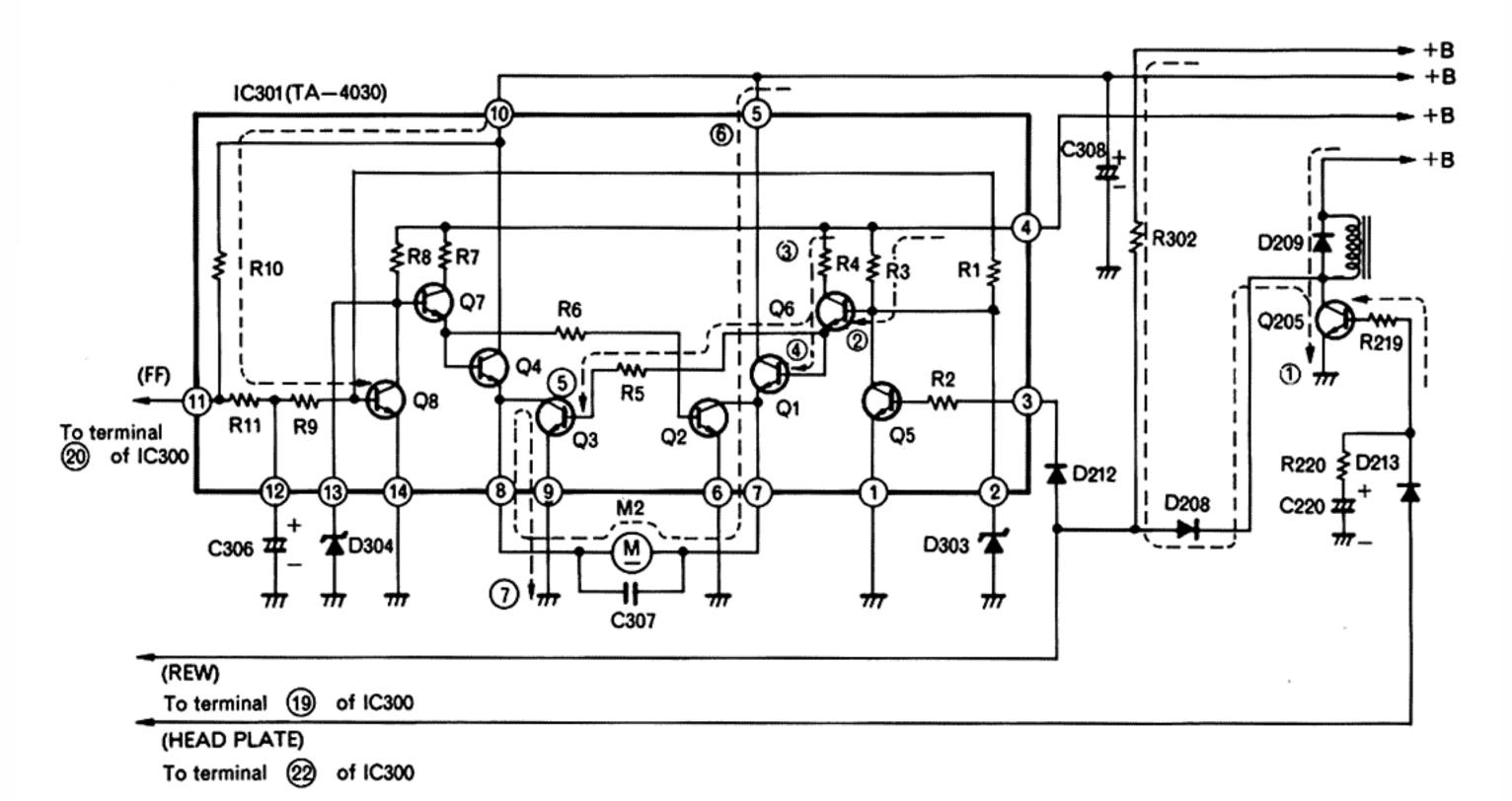


Fig. A

MOTOR DRIVE MODULE (TA-4030)

This unit uses 2 DC motors; a capstan drive motor (DC servo) and turntable drive motor (with mechanical governor). The capstan drive motor rotates instantaneously when power is applied. The turntable drive motor rotates when the polarity of the voltage applied to the motor is changed over by the mode control IC and power is applied. Accordingly, the direction of rotation of the motor during Fast forward, and during Rewind and take-up are reversed. Figure A shows the switching circuit of M2 for the turntable drive motor. Q4 is the switching transistor supplying +B voltage to the motor during Fast forward and Q1,

during Rewind and take-up (Record/Playback/Fast forward). Q2 is the switching transistor grounding the motor during Fast forward and Q3, during Rewind and take-up (Record/Playback/Fast forward). These transistors are OFF in the Stop mode. They are controlled by Q8, Q7 and the mode control IC during Fast forward and by Q5, Q6 and the mode control IC during Rewind and take-up (Record/Playback/Fast forward). D303 and D304 make the bias current flowing to the bases Q6 and Q7 constant, regardless of power fluctuations, to limit the current applied to the turntable motor.

In the take-up mode, terminal (22) of IC300 is set to "High" level, Q205 turns ON and the head plate solenoid operates when the Playback button is pressed. At the same time, since the collector of Q205 is set to "Low" level, the base bias of Q5 is grounded via D208 and cut off (Dotted line (1)).

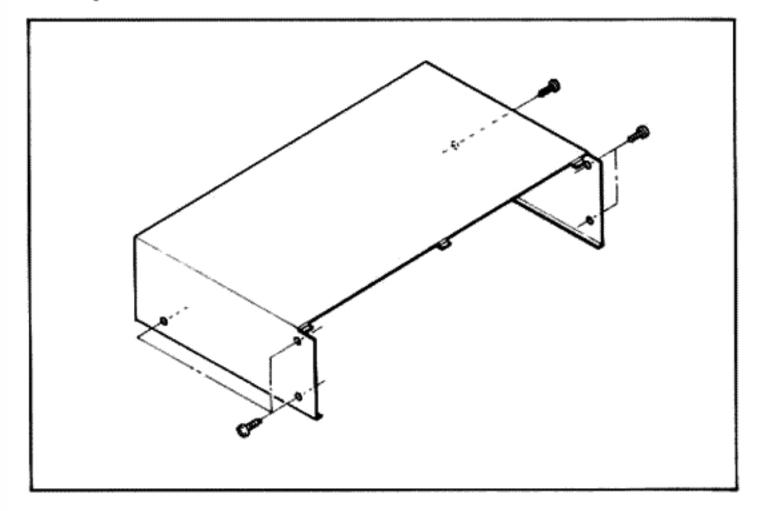
When Q5 is turned OFF, Q6 is biased by R3 (Dotted line 2) and turned ON. When Q6 is turned ON, Q1 and Q3 are turned ON (Dotted line 3 4 5), and the current flows to the motor as in the direction shown with dotted lines 6, 7 and the motor starts rotating. Since terminal

(19) of IC300 is set to "Low" level during Rewind, Q5 is cut off, and Q6, Q1 and Q3 operate in the same way as in the take-up mode. Since terminal (20) of IC300 is set to "Low" level during Fast forward, Q8 turns OFF, Q7, Q4 and Q2 turn ON with the same operation principle as in the Rewind mode, and the current flows in the reverse direction to that during Rewind.

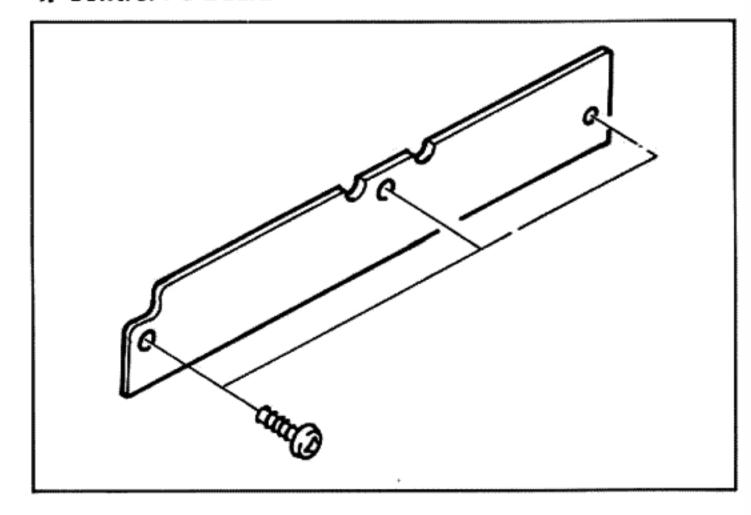
Note: The motor rotates: in the same direction during Playback and Rewind because of its design.

DISASSEMBLY

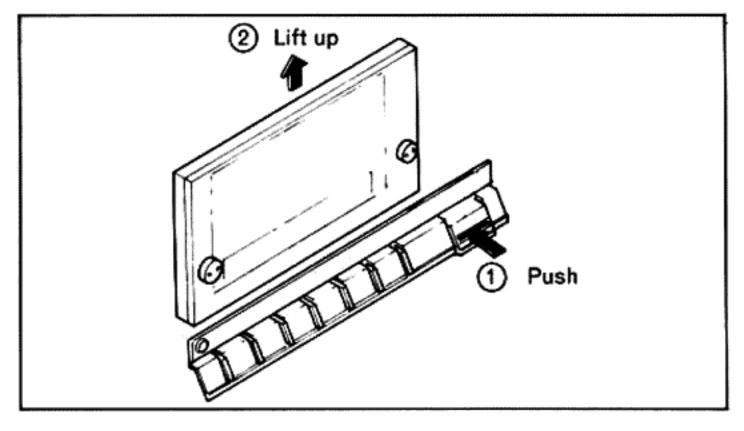
1. Top Cover



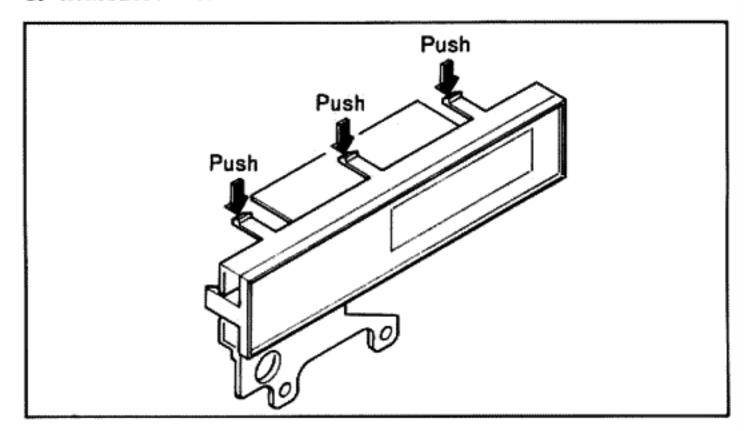
4. Control PC Board



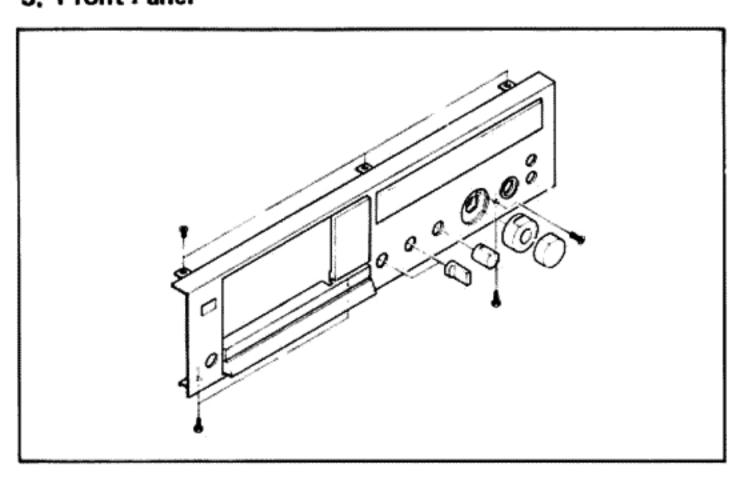
2. Cassette Lid



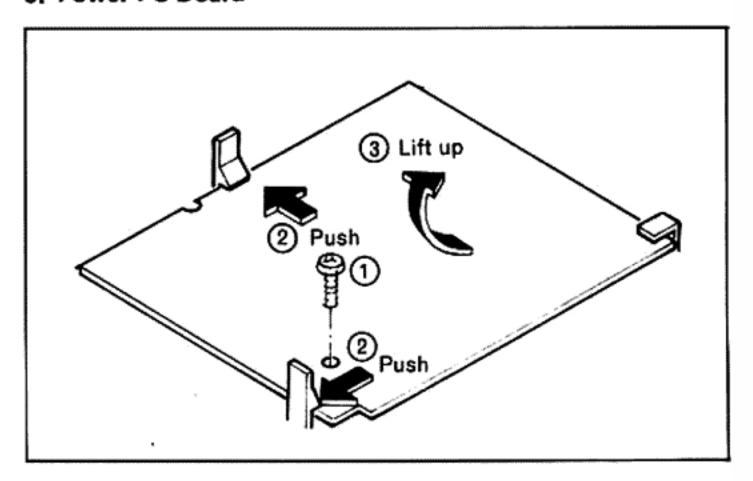
5. Indicator Holder



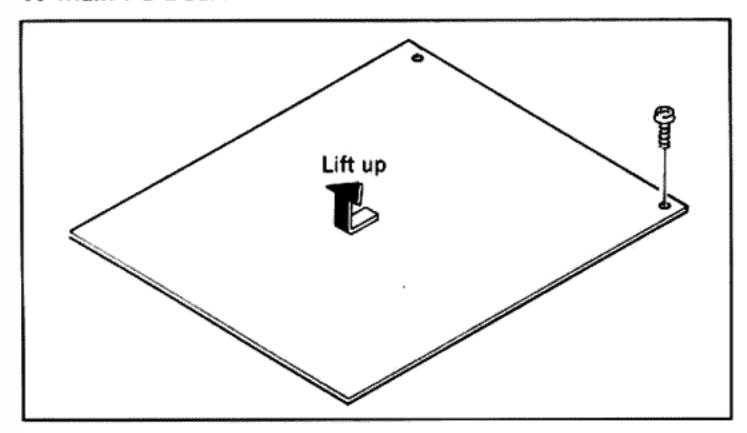
3. Front Panel



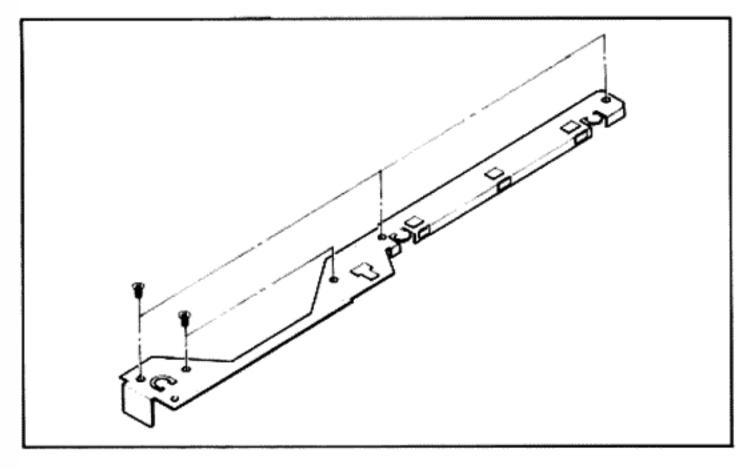
6. Power PC Board



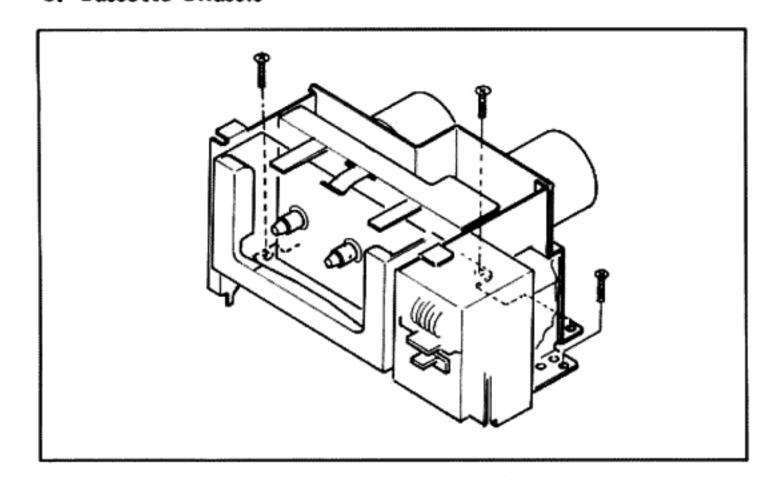
7. Main PC Board



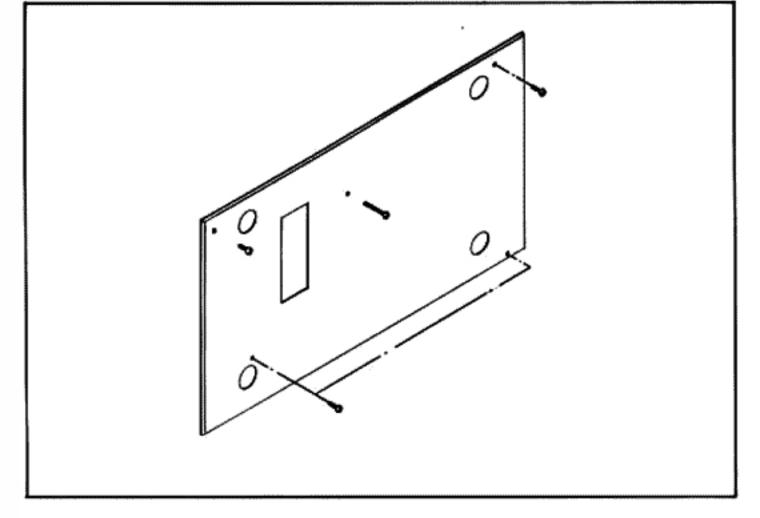
8. Chassis



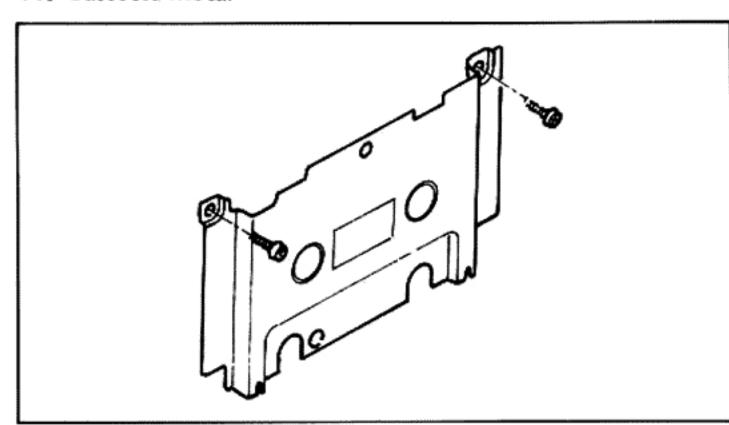
9. Cassette Chassis



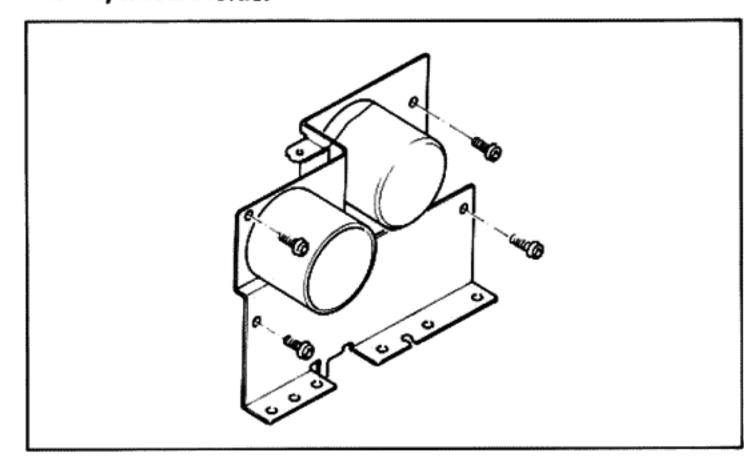
10. Bottom Cover



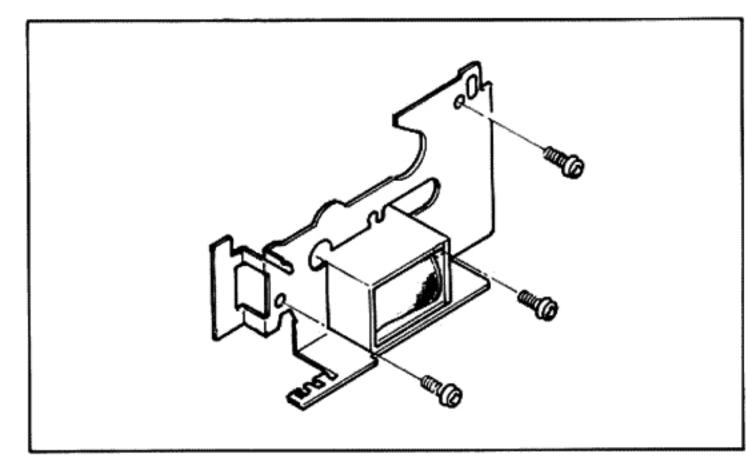
11. Cassette Metal



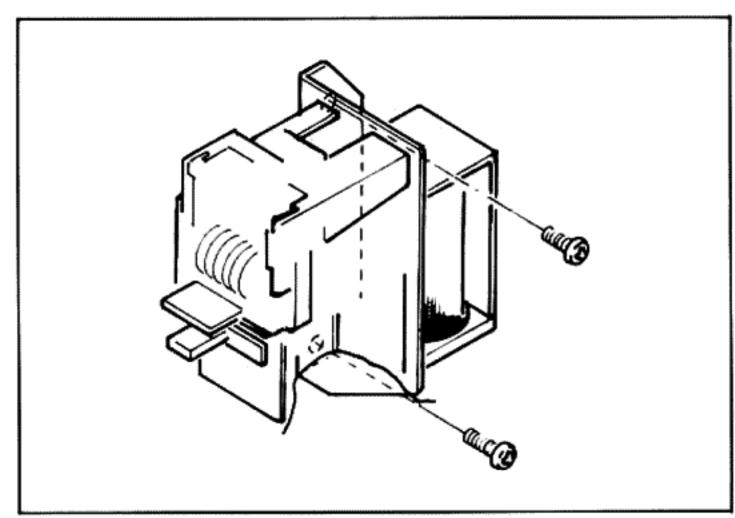
12. Flywheel Holder



13. Solenoid Plate



14. Counter Holder



ADJUSTMENT

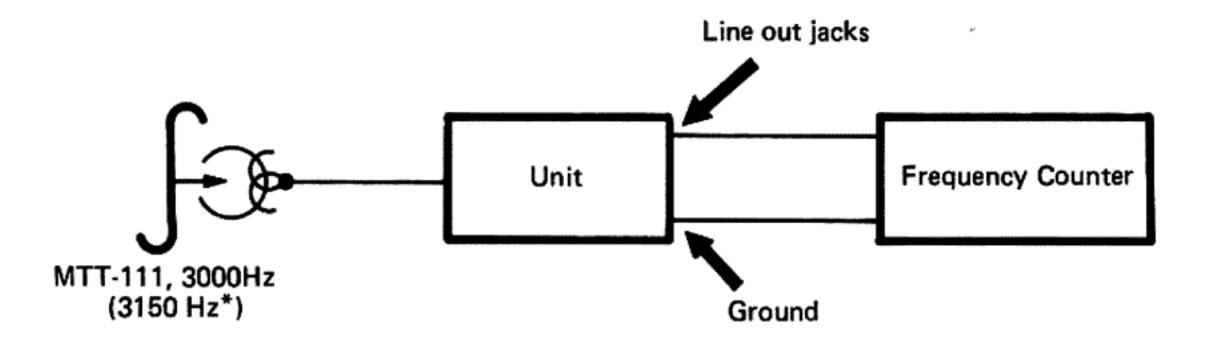
Perform the following adjustments in the sequence stated after cleaning the head, pressure roller, and capstan with a head cleaning stick moisted in alcohol. Also, unless specially indicated otherwise, set the switches and controls to the positions indicated in the table.

Symbol No.	Switches and Controls	Position	Symbol No.	Switches and Controls	Position
S1	DOLBY NR switch	OFF	S3	Input selector switch	LINE
S2	Tape selector switch	UD-ER (NORMAL)	RV1	Record level controls	Maximum
		- Control of the Cont	RV2	Output level controls	Maximum

1. Tape speed adjustment

Setting: Playback mode

Connection



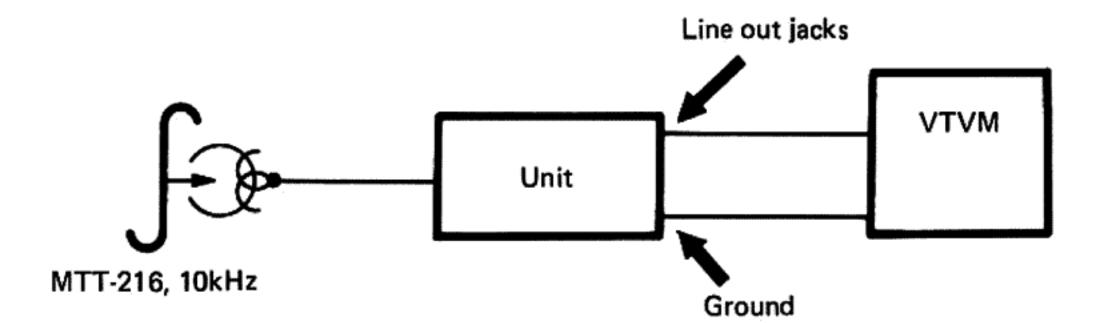
Adjustment: Warm up the unit for approximately 30 minutes; then playback test tape MTT-111, 3000 Hz (3150 Hz*) and measure the speed deviation with a frequency counter. If required, adjust the semi-variable resistor on the motor for a reading of 3000Hz⁺³⁰₋₁₀ Hz (3150 Hz*). Carry out the measurement at the middle of the tape.

* According to DIN 45 500.

2. Head azimuth adjustment

Setting: Playback mode

Connection:



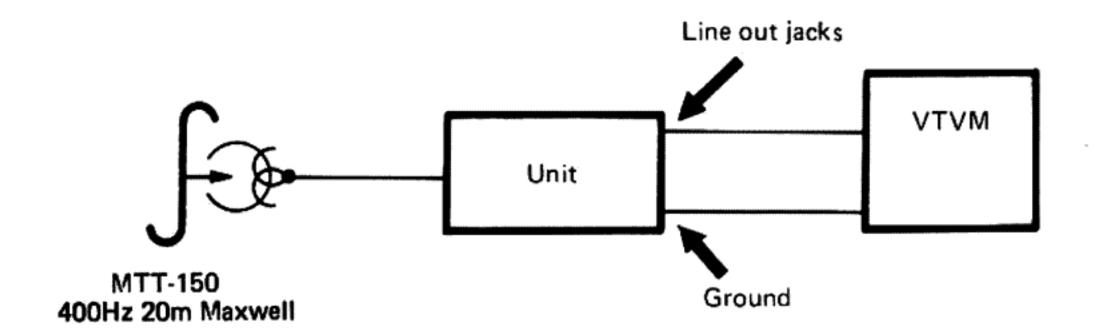
Adjustment: Playback a test tape (MTT-216, 10 kHz) and adjust the azimuth adjustment screw for maximum output.

Note: When the maximum values of both channels are different, tune to the maximum value of the L channel. In this case, the difference between the maximum values of both channels should be -2 dB or less.

3. Playback output adjustment

Setting: Playback mode

Connection:

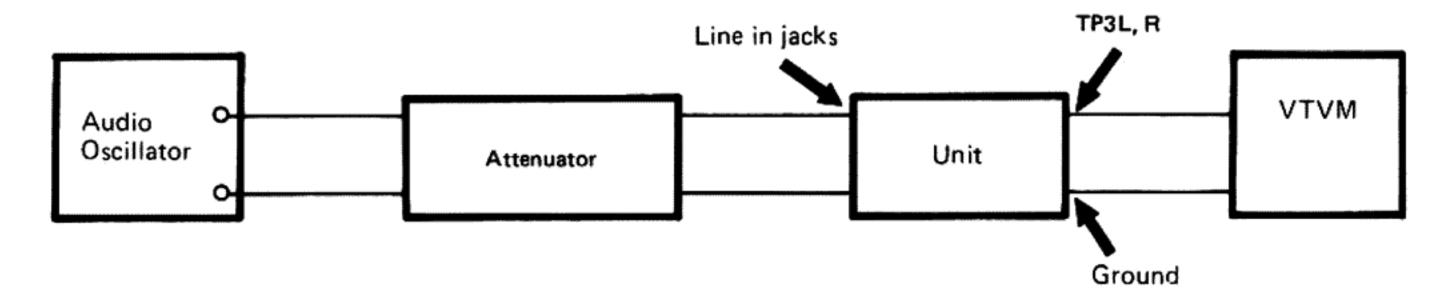


Adjustment: Playback a Dolby calibration tape (MTT-150, 400 Hz 20 m Maxwell) and adjust RT1L, R so that the voltage of Line out jack becomes 0.775V (0 dBm).

4. Adjusting the digital peak meter

Setting: Recording mode

Connection:



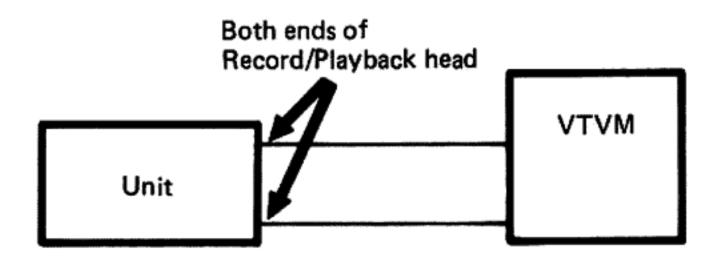
Adjustment:

- 1) Warm up the unit for approximately 30 minutes.
- 2) Set the unit to the recording mode. Apply a 1 kHz signal to the LINE IN jacks and adjust the input so that the output at TP3L, R is -3 dBm.
 - * Adjust the following in this mode,
- 3) Adjust MVR1L, R so that the level indicator lamp (-20 dB) of the digital FL peak meter lights when the output of the TP3L, R is -16 dBm.
- 4) Adjust MVR1L, R so that the level indicator lamp (-20 dB) of the digital FL peak meter goes off when the output of the TP3L, R is -17 dBm.
- 5) Adjust MVR2L, R so that the level indicator lamp (0 dB) of the digital FL peak meter lights when the output of the TP3L, R is -3 dBm.
- 6) Repeat adjustment items 3) to 5) a few times.

5. Bias current adjustment

Setting: Recording mode

Connection:

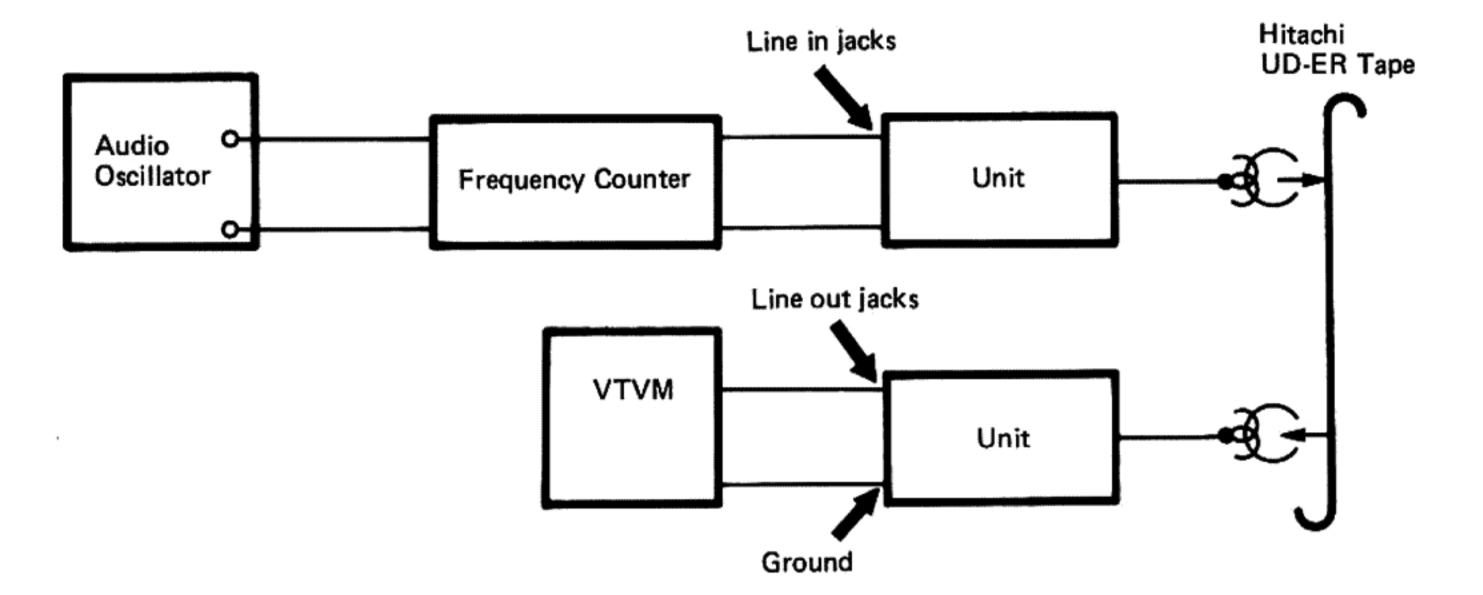


Adjustment: Set the record mode. Adjust RT5L, R so that the bias voltage of 12V is applied to the both ends of Record/Playback head.

6. Record/playback output, frequency characteristics adjustment

Setting: Recording/playback mode

Connection:

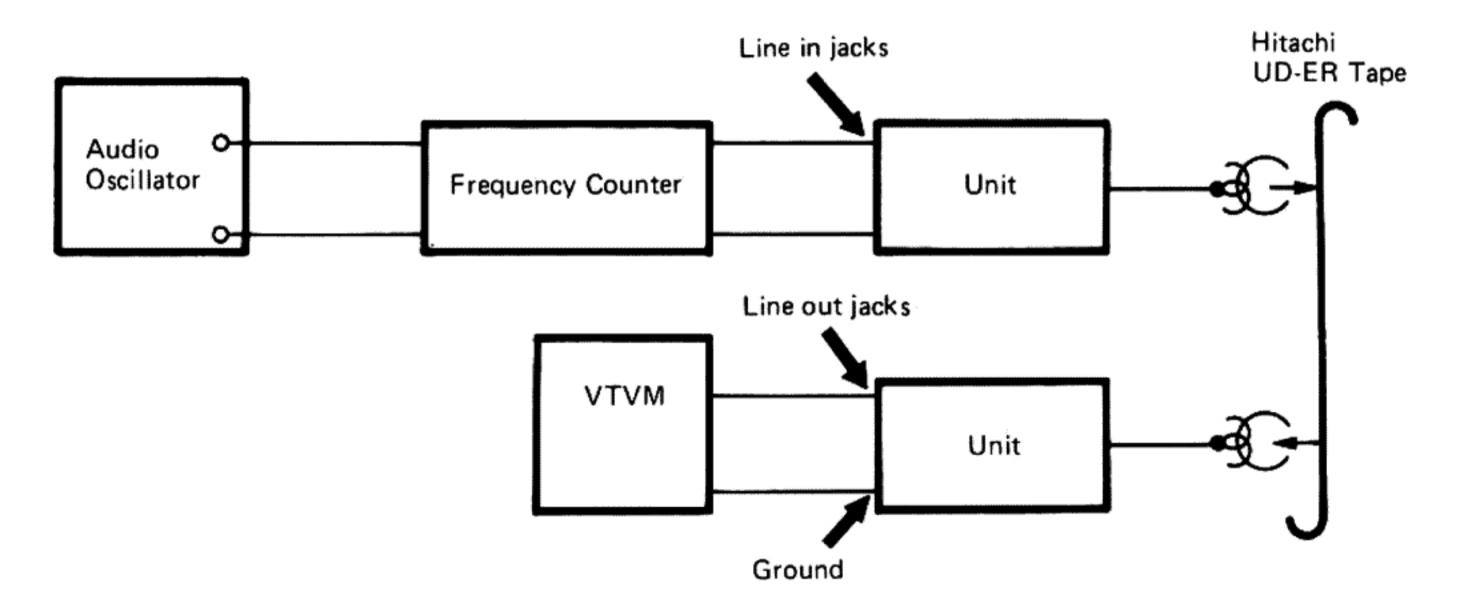


Adjustment: Set the unit to the recording mode. Apply a 1.25 kHz signal to the LINE IN jacks and adjust the input so that the output of LINE OUT jack becomes 0 dB. Next, record 1.25 kHz and 12.5 kHz signals at the level of 0 dB-20dB. Playback the recorded tape and adjust RT5L, R for an output difference within ±1.0 dB.

7. Record/playback output adjustment

Setting: Recording/playback mode

Connection:

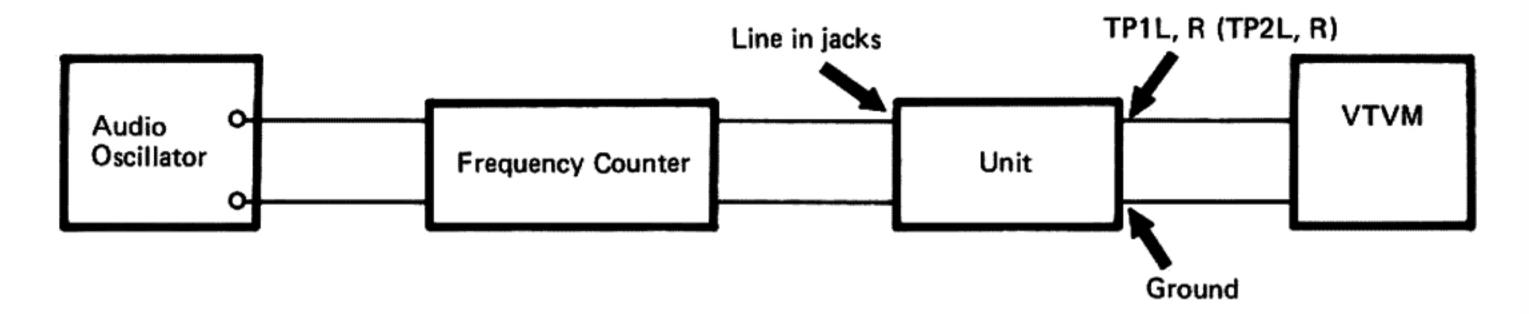


Adjustment: Record a signal of 1 kHz, 0 dB on a Hitachi UD-ER tape. Playback the recorded tape and adjust RT2L, R for a playback output of 0 dB ± 0.5 dB.

8. Dolby NR adjustment

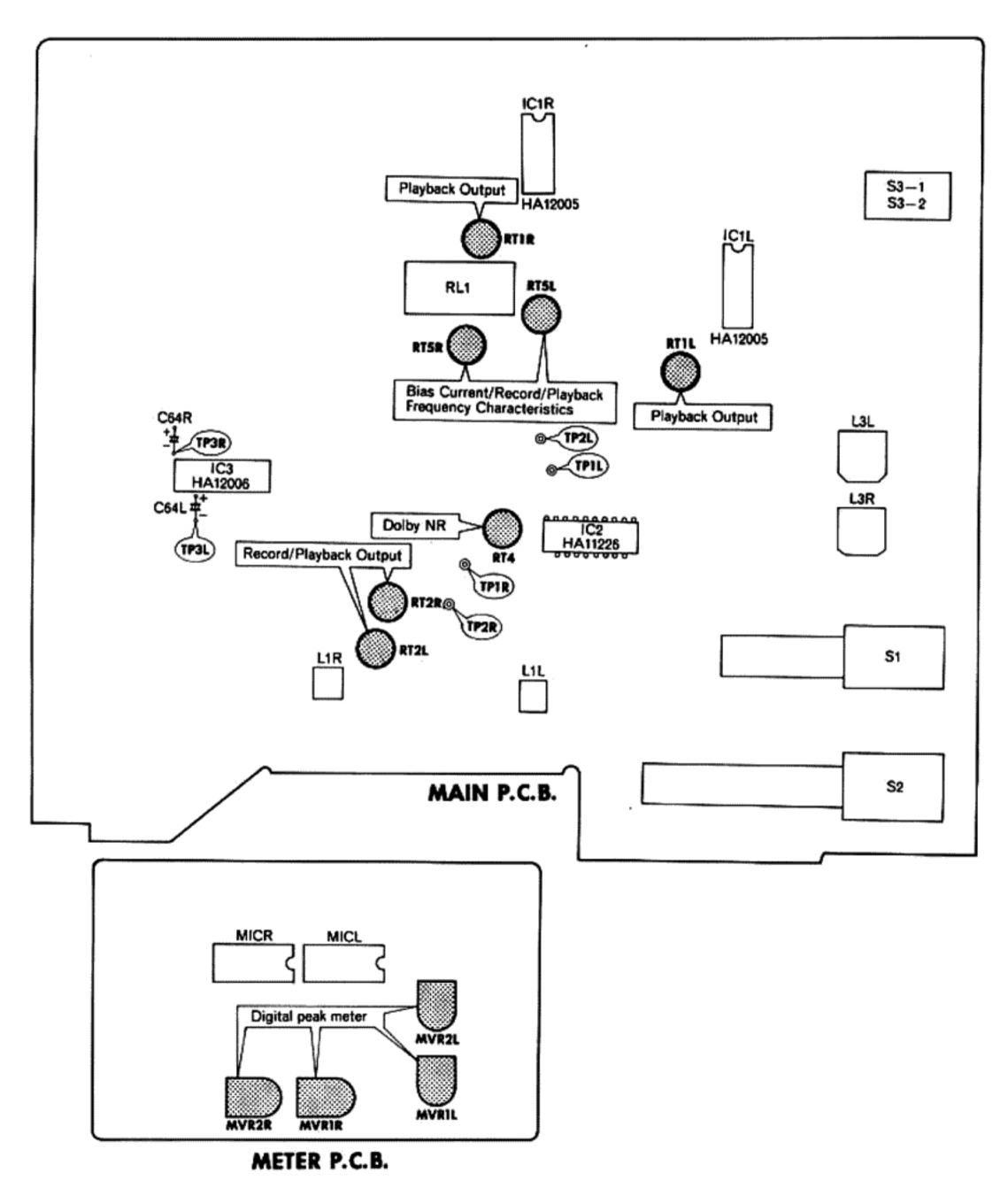
Setting: Recording mode

Connection:



Adjustment: Set the record mode. Feed in a 5 kHz signal to the Line in jacks and adjust the input so that the voltage of TP1L, R becomes —30.4 dBm±0.1 dB. Next, put the Dolby NR switch ON and adjust RT4 so that the voltage of TP2L, R becomes —22.4 dBm ± 0.1 dB.

Adjustment Parts Location



LUBRICATION

Lubricate one or two drops of machine oil to rotating point or lubricate grease to sliding point. Lubricate the respective parts listed below once every 1000 hours or once a year under normal conditions of use. Avoid oiling them excessively, or rotation may become irregular because of oil splashes.

Lubrication				
Motor shaft bearing				
Capstan shaft bearing	Oil			
Pressure roller bearing				

DESCRIPTION OF NEW MECHANISM

In this chassis, electrical parts including motor, solenoid, etc. are operated by the mode control circuit.

Electrical parts	Mode						
	PLAY	REW	FF	PAUSE	STOP		
Head plate solenoid	0	X	X	X	Х		
Brake solenoid	×	0	0	×	×		
Reel drive motor	Clockwise rotation	Clockwise rotation	Counterclockwise rotation	×	×		
Capstan drive motor	0	0	0	0	0		

O shows operation mode.

X shows stop mode.

Rotation direction of the reel drive motor is that viewed from the motor pulley side.

PLAYBACK mode

When the PLAY button is pressed, the head plate solenoid operates by means of the signal from the operation control IC. P arms (A), (B) shown in Fig. B and the head plate interlocked with them shown in Fig. C slide in the direction of the arrow. By this, the next operations (1)—(3) are performed, the capstan revolves simultaneously when the power is turned ON and the reel disc drive motor revolves

clockwise simultaneously when the head plate solenoid starts, so the take-up operation starts.

- 1) The brake plate is pushed up and the brake is released.
- 2) The pressure roller is compressed against the capstan.
- The take-up arm ass'y turns clockwise and is compressed against the take-up reel.

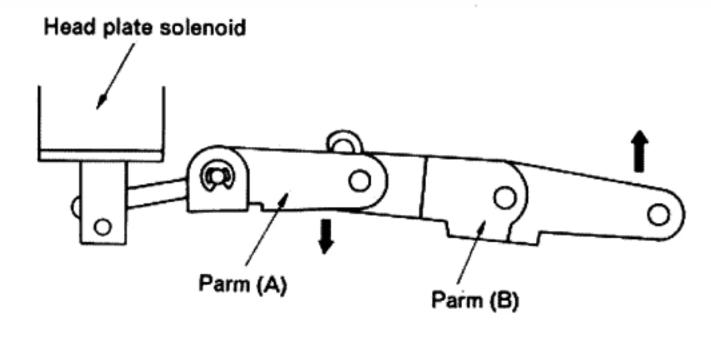


Fig. B

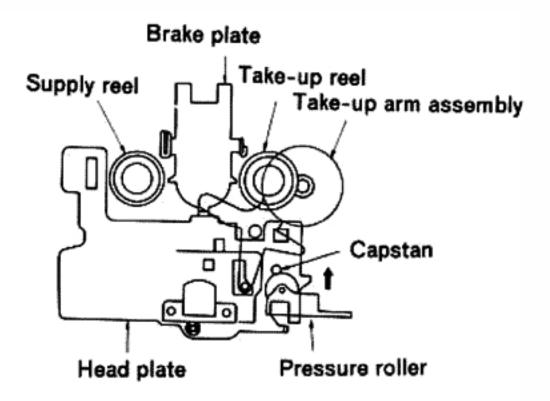


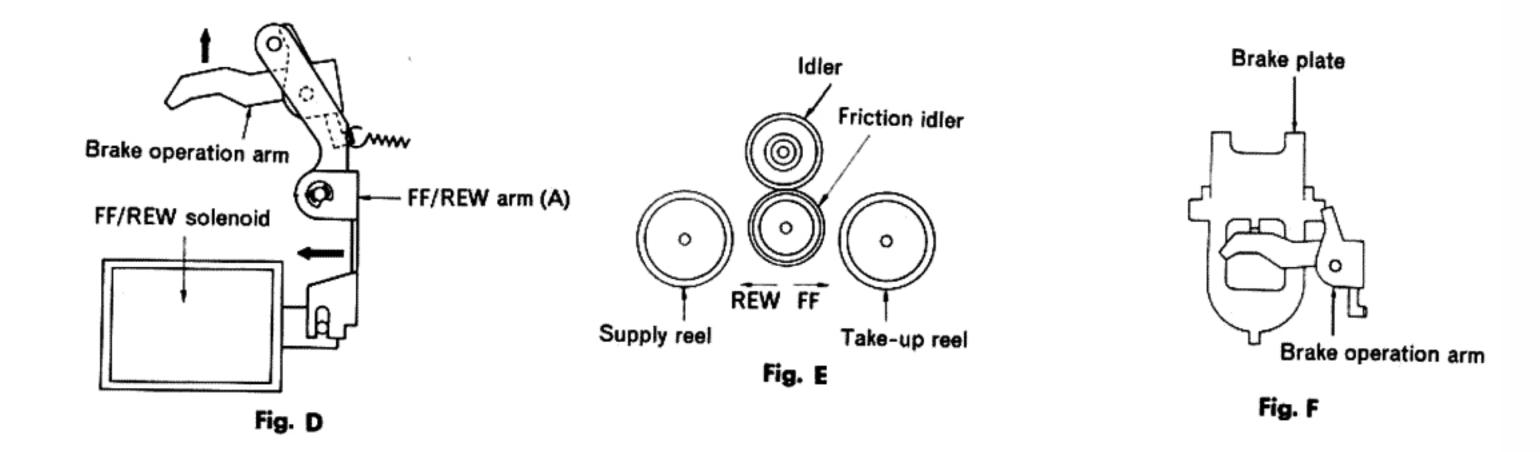
Fig. C

REW/FF mode

With the FF or REW button pressed, the FF/REW solenoid and the reel disc drive motor (FF: Counterclockwise, REW: Clockwise) operates by means of the operation control IC.

When the FF/REW solenoid operates, the FF/REW arm (A) and the brake operation arm move in the direction of the

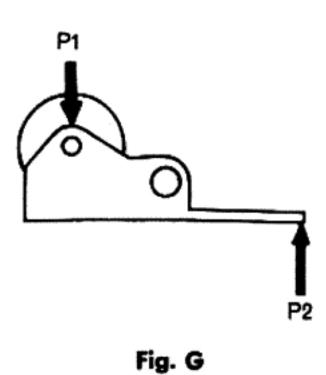
arrow. This compresses the friction idler shown in Figs. E and F against the idler and at the same time, the brake operation arm pushes up the brake plate to release braking. By compression of the friction idler and the idler shown in Fig. E, the revolving force of the idler is transmitted to the take-up reel during FF, and to the supply reel during REW.



Inspection of mechanism

	Check item		Reference value	Remarks
1,	. Pressure of pressure roller		P ₁ : 350±60 gr P ₂ : 195±34 gr	Note 1
2.	Pressure of take-up r	oller	150±50 gr	Note 2
3	3. Turntable torque	FF		
<u> </u>		Rewind —		Note 3
		Take-up	35 to 65 gr-cm	Measure in Playback mode
4.	Torque	Torque FF	65 to 120 gr-cm	Measure in Fast Forward mode
		Rewind	65 to 120 gr-cm	Measure in Rewind mode
5.	Back tension	Take-up side	Less than 6 gr-cm	
<u> </u>	Duck terision	Supply side	1 to 3 gr-cm	
6.	Brake torque		More than 15 gr-cm	_
7.	Flywheel thrust gap		0.05 to 0.5 mm	

Note 1 : Pressure of pressure roller



Note 2: Pressure of take-up roller

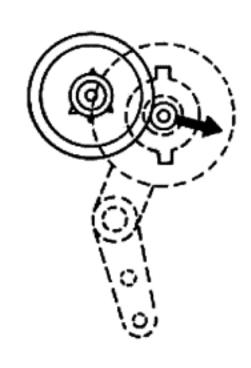


Fig. H

Note 3 : Turntable torque

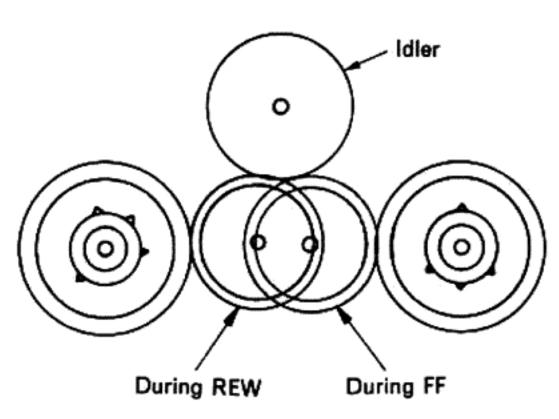


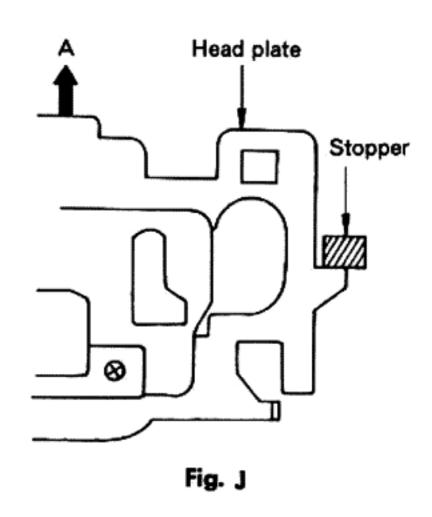
Fig. I

 The friction idler and reel disc should not slip when the reel disc stops.

Installation adjustment of head plate solenoid

As shown in Fig. J, push up the head plate fully in the direction of arrow A. Push up the head plate solenoid fully

in the direction of arrow B while pulling the iron core of the head plate solenoid and fix it using 2 adjusting screws.



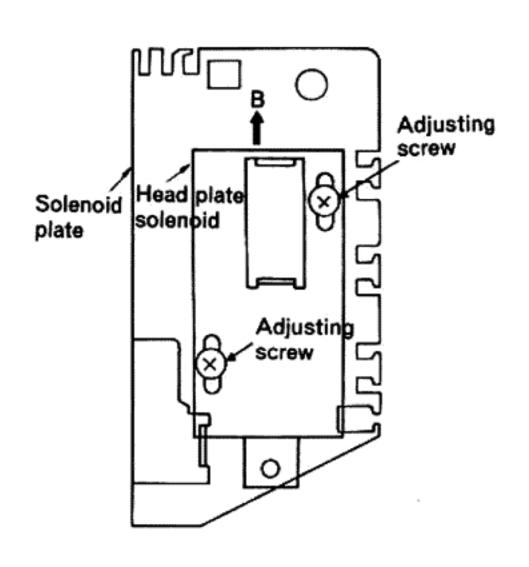
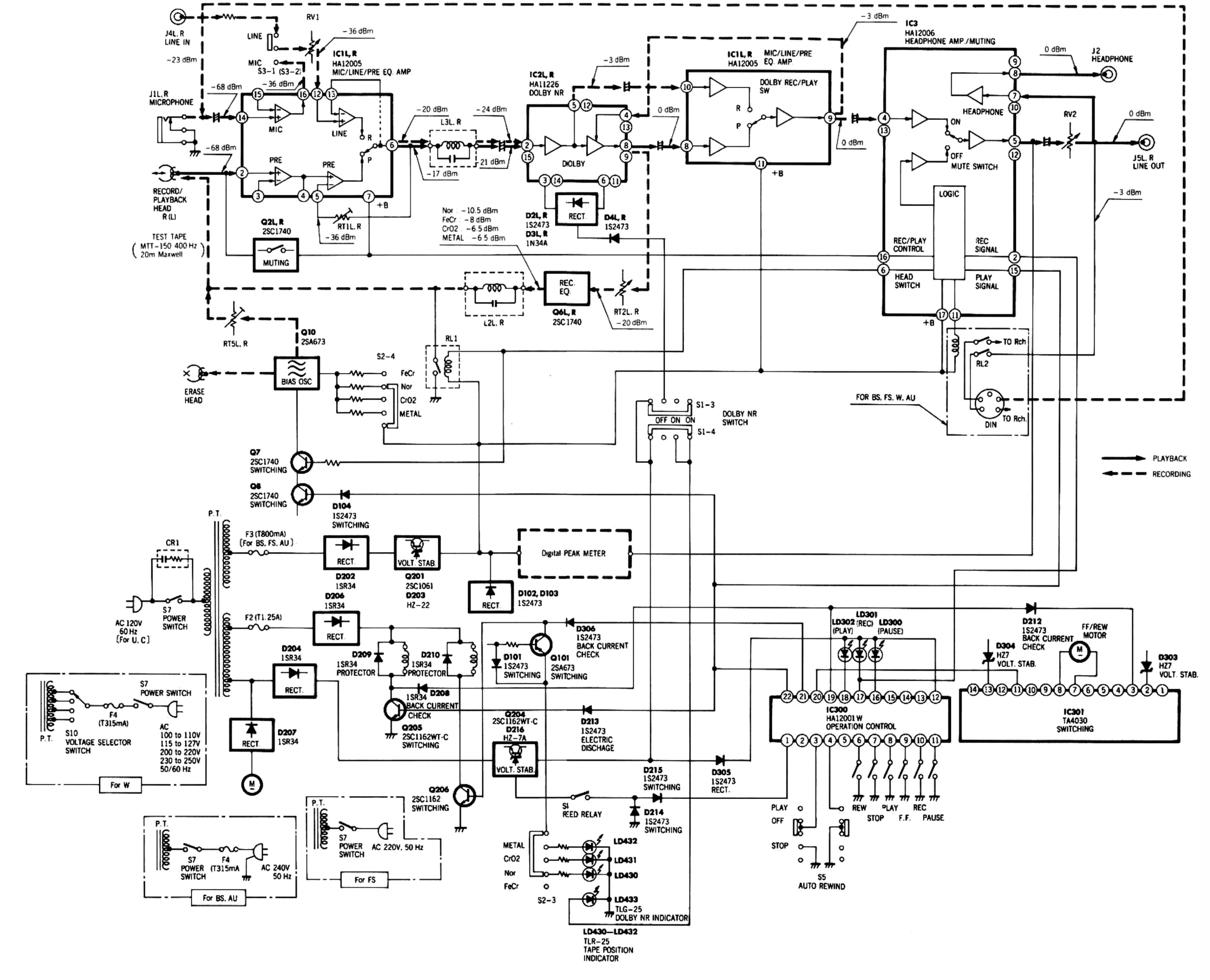
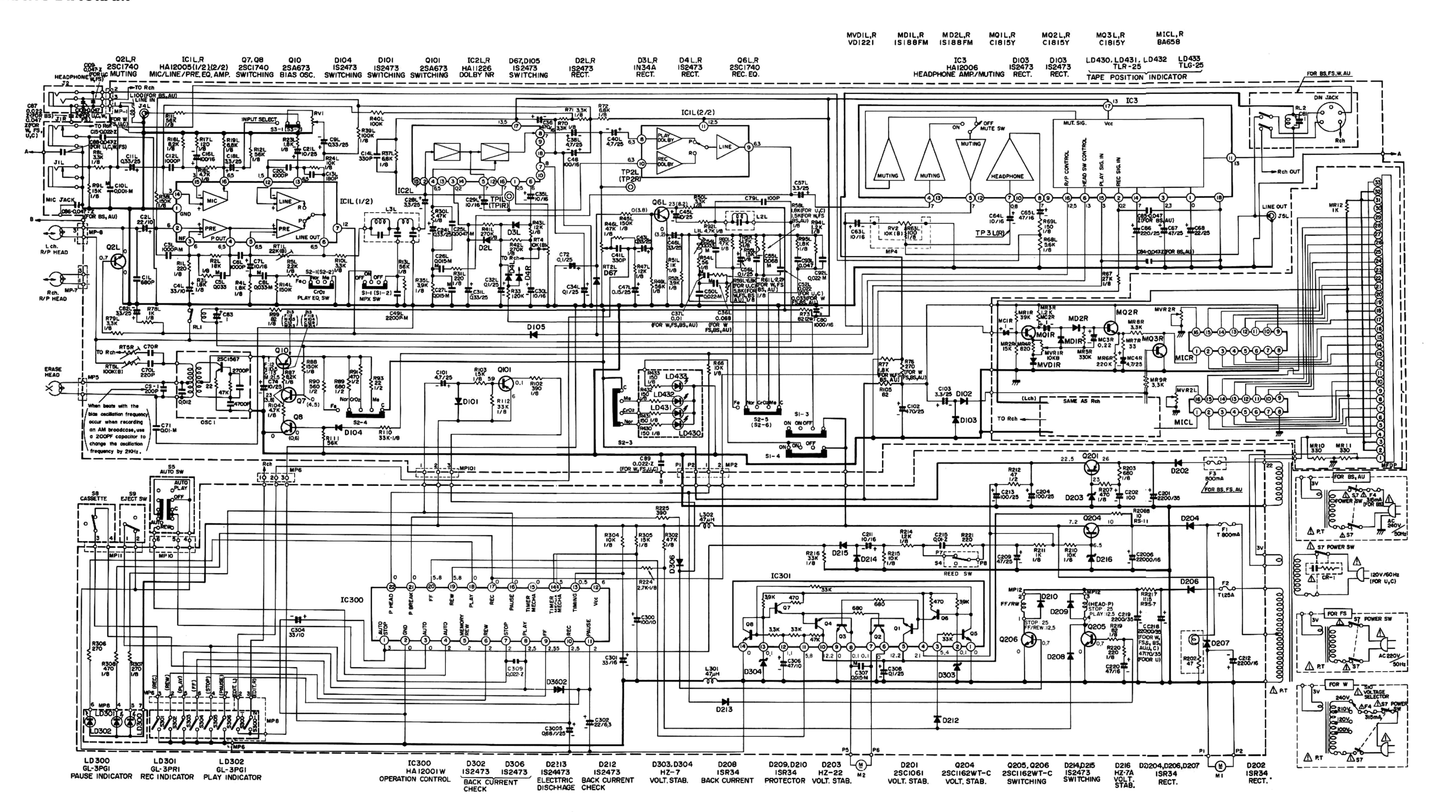


Fig. K





No

 Voltage measured at base of chassis with minir volume control and no signal.

2. Nomenclature	2. Nomenclature of Resistors and Capacitors.					
F	Circuit No.					
	Value	No indicated Ω(Ohm) M: 1000 kΩ				
R101 150	Tolerance	No indicated ±5% K:±10% M:±20%				
	Wattage	No indicated ¼W				
	Sort	No indicated Carbon film RC: Composition RW: Wire wound RS: Oxide metal film RN: Fixed metal film				

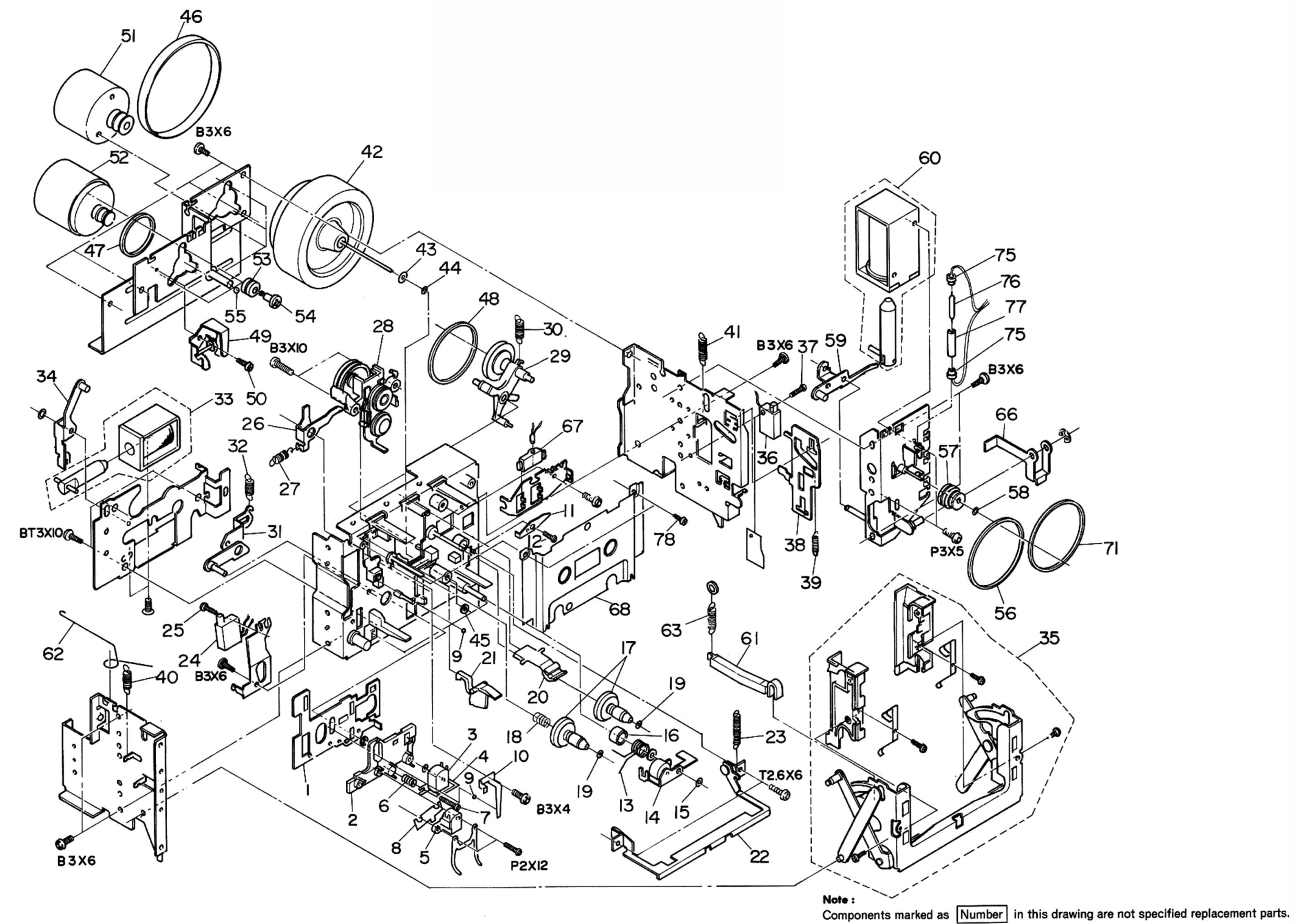
_					
ſ	F	(Circuit No.		
	F	Value	No indicated μF P : PF		
	⊥ C101 T0.001·M	Tolerance	J:± M:± Z:+ D:±		
			+	Ceramic	
		Sort	#	Electrolitic	
			+	Mylar	
			7	Polyester	
	+ <u>1</u> C102		<u>\$1</u>	Styrol	
	-T0.1/16- 2	Voltage	No indi	cated 50WV	

Be sure to make your orders of resistors and capacitors with value, voltage, tolerance and sort.
 When replacing capacitors marked with *, use specified ones stated on parts list since require temperature characteristics.

REPLACEMENT PARTS LIST

SYMBOL-NO	P-NO	DESCRIPTION	SYMBOL-NO	P-NO	DESCRIPTION
		CAPACITORS			
6 010	0254402		Q 2LR	5321295	TRANSISTOR 2SC1740E
C 2LR	0256402		Q 6LR	5321295	TRANSISTOR 2SC1740E
C 4LR	0256404	TANTALUM ELECTROLYTIC 33HF 10V	0 7	5321295	TRANSISTOR 2SC1740E
		RESISTORS	Q 8	5321295	
△ CR1	0219902	CR PACK 120 OHM 0.0033MF 450V (For U)	0 10	5320593	TRANSISTOR SILICON 25A673C
△ CR1	0219907	CR PACK (For C)	0101	5320593	TRANSISTOR SILICON 25A673C
R 73	0169056	WINDING 82 UHH+-5% 2W			80M
RT 1LR	5007187	SEMI VARIABLE 22K OHM	Q201	5320671	TRANSISTOR SILICON 2SC1061B
RT 2LR	5007186	SEHI VARIABLE 10K OHH	0204	5320643	TRANSISTOR SILICON 25C1162
RT 4	5007186	SEMI VARIABLE 10K OHM	9205	5320643	TRANSISTOR SILICON 25C1162
RT SLR	5007189	SEMI VARIABLE 100K OHM	4205	2220043	TRANSISTOR SILICON 25C1162
RV 1	5000556	VARIABLE 20K OHM(A)	0 206	5320643	TRANSISTOR SILICON 2SC1162
RV 2	5000145	VARIABLE 10K OHH(8)			
R217	0112963	OXIDE METAL FILM 15 OHM+-10% 7W	<u> </u>		TRANSFORMERS
		SEM1-CONDUCTORS	∆ PT	5212642	POWER (For U)
D 2LR	5330572	DIODE SILICON 152473HC	△ PT	5212643	POWER (For C)
		100H	∆ PT	5212644	POWER (For FS)
D 3LR	5330721	DIODE GERMANIUM 1N34A 10MHZ 50MW	∆ PT	5212645	POWER (For BS)
D 4LR	5330572	DIODE SILICON 152473HC 100M	∆ PT	5212646	POWER (For W)
D67 D101	5330574 5 3305 74	DIODE 1S2473 DIODE 1S2473	∆ рт	5212647	POWER (For AU)
0102	5330572				COILS
		100H	L 1LR	5120274	CHOKE
D103		DIODE 152473	L 2LR	5120562	
0104	5330572	DIODE SILICON 152473HC	L 3LR		DOLBY FILTER
0105	5330571	DIODE IS2473VE	L301	5152125	CHOKE 47HICRO H
D202	5331241	D10DE 15R34	L302	5152125	CHOKE 47HICRO H
D203	5331013	ZENER DIODE HZ22			MISCELLANEOUS
D204	5331241	DIODE 1SR34			
D206-210	5331241	DIODE 1SR34			FL METER
D212-215	5330572	DIODE SILICON 152473HC		_	FL HETER BLOCK
D216	5330311		Δ	5746157	POWER CORD (For W, FS)
D302	5330571	DIODE SILICON HZ7A 1.0M DIODE SILICON 152473	Δ		POWER CORD ASS'Y (For BS)
D303	5330313	DIODE SILICON HZ7C	Δ /-		POWER CORD (For U, C)
D304	5330313	DIODE SILICON HZ7C		5740653	POWER CORD (For AU)
	,.,.,	1.0M	F1		FUSE 0.8A
D305	5330574	010DE 152473	F2		FUSE 1.25AT
D306	5330571	DIODE 152473VE	F3		FUSE 0.8A (For FS, BS, AU)
MICLR	5359691	IC 8A658	Δ F4 Δ F4		FUSE (For BS)
IC 1LR	5350881	IC HA12005	J1LR		HIC JACK
IC 2LR	5350561	IC HA 11226	J2	5674221	HEADPHONE JACK
IC 3	5350891	IC HA12006	J3	5651141	
1C300	5350852	IC HA12001 W	JALR		5P DIN SOCKET (For W, FS, BS, AU) PIN JACK
IC301	5356981	IC TA4030	JSLR		PIN JACK
LD300	5380242	LED GL 3PG1	OSC1		OSCILLATOR BLOCK
LD301		LED GL 3PR1	PL		POINTER LAMP
LD302		LED GL 3PG1	RL1		REED RELAY
LD430		LED TLR-25	RL2		REED RELAY (For W, FS, BS, AU)
L0431		LED TLR-25	5 1		SLIDE ROTARY SWITCH (DOLBY NR)
L0432		LED TLR-25	5 2		SLIDE ROTALRY SWITCH (TAPE SELECT)
LD433	>580372	LEO TLG-25			

EXPLODED VIEW



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REPLACEMENT PARTS LIST

SYMBOL-NO	P-NO	DESCRIPTION	SYMBOL-NO	P-ND	DESCRIPTION
		MISCELLANEOUS	24	5633361	PUSH SWITCH
5 3	5634158	PUSH SWITCH (INPUT SELECT)	25	0671310	DT SCREW-2.6HMDX10HM
S 5	5620852	SWITCH-SLIDE (AUTO)	26	7311952	BRAKE FUNCTION ARM
∆ S 7	5633321	POWER SWITCH (For W)	27	6301022	SPRING
∆ 5 7	5633482	POWER SWITCH (For U, C)	28	6413335	FF.REWIND BASE ASSEMBLY
∆ 5 7	5633541	POWER SWITCH (For FS, BS, AU)	29	6413343	TAKE UP ARM ASSEMBLY
△ 5 10	5605081	ROTARY SWITCH (For W)	30	6300982	SPRING
S300	5633371	PUSH SWITCH (EDIT)	31	7312511	PLAY ARM ASSEMBLY
5301-306	5633352	PUSH SWITCH (REC, REW, PLAY, F.F., STOP, PAUSE)	32	6302375	SPRING
		FOR ACCESSORIES	33	5642512	SOLENOID ASSEMBLY (F.F.REWIND)
	E004144		34	7312103	FF+REWIND ARM ASSEMBLY
		PATCH CORD (For U. C. BS. AU)	35	7312264	CASSETTE HOLDER ASSEMBLY
		PATCH CORD (For U, C, BS, AU) DIN CORD (For W, FS)	36	5633361	PUSH SWITCH
		HEAD CLEANING STICK	37	0671310	DT SCREW-2.6MHDX10MM
		SOCKET ADAPTER (For W)	38	7312164	EJECT SLIDER
	7002021		39	6306234	SPRING
		FOR CASSETTE CHASSIS ASSEMBLY (A)	40	6322213	SPRING
1	7312092	HEAD PLATE	41	6325084	SPRING
2	6753182	HEAD BASE	42	6373321	FLYWHEEL ASSEMBLY (R)
3	5444721	RECORD PLAYBACK HEAD	43	7772623	SPRING
4	5548351	HEAD TERMINAL P.W.B	44	7786626	WASHER
5	5445281	ERASE HEAD	45	7786623	POLY SLIDER WASHER
6	6321733	HEAD SPRING C	46	6357147	FLYWHEEL BELT
7	7781005	SCREW FOR HEAD MOUNTING	47	6354702	BELT-29HMD
8	7768181	HEAD SPACER	48	6354703	BELT-41MMD
9	0948492	BALL - 2HMD	49	7290501	GOVERNOR
10	6532991	LEAF SPRING	50	0671305	DT SCREW-2.6MMDX5MM
11	7311982	ERASE STOP PLATE	51	5576163	MOTOR ASSEMBLY (PLAY)
12	7536872	LOCK LEVER PIN	52	5576151	MOTOR ASSEMBLY (F.F.REWIND)
13	6545232	SPRING	53	6576084	RUBBER PLATE
14		PRESSURE ROLLER ARM ASSEMBLY	54		SCREW FOR HOTOR HOUNTING
15		POLYESTER WASHER	55	7768682	
16		SPACER	56		COUNTER BELT
17		TURNTABLE ASSEMBLY	57		COUNTER PULLEY ASSEMBLY
18	6304031		58		POLYESTER WASHER
19		POLYESTER WASHER	59		PLAY ARM ASSEMBLY
20		CASSETTE HOLDER SPRING	60		SOLENOID ASSEMBLY (PLAY)
21		RECORD PREVENTION ARM	61		EJECT ARM ASSEMBLY
22		CASSETTE UP ARM ASSEMBLY	62		DAMPER WIRE
23	6301795	SPRING	63	6540011	DAMPER SPRING

REPLACEMENT PARTS LIST

SYMBOL-NO	P-NO	DESCRIPTION	SYMBOL-NO	P-NO	DESCRIPTION
		FOR CASSETTE CHASSIS ASSEMBLY (B)	85	6753071	FUNCTION BUTTON (RAUSE, REC, STOP, F.F.,
64	6222731	FILTER PANEL ASSEMBLY	86	6753081	FUNCTION BUTTON (REC MUTE)
65	6754771	HETER HOLDER	87	6051521	EJECT BUTTON
66	7312341	EJECT LEVER	88	6753111	BUTTON PIN
67	6574321	LAMP HOLDER	89	6304181	BUTTON SPRING
68	6631383	CASSETTE HETAL ASSEMBLY	90	6092036	CASSETTE DOOR ASSEMBLY
69	5559234	COUNTER	91	6671522	FUNCTION METAL
70	6753282	COUNTER BUTTON	92	7781832	SPECIAL BOLT
71	6354633	COUNTER BELT	93	7451251	EARTH SPRING
△ 72	6794081	BUSHING (For U, C)	94	6287591	KNOB ASSEMBLY (RECORD L)
Δ	6794141	BUSHING (For W, FS)	95	6289181	KNOB ASSEMBLY (RECORD R)
Δ	6794161	BUSHING (For BS)	96	6287611	KNOB ASSEMBLY (OUTPUT)
Δ	6711351	BUSHING (For AU)	97	6051531	POWER BUTTON
73	6753821	SWITCH LEVER	98	6051272	PUSH BUTTON (INPUT SELECT)
△ 74	6742651	FUSE COVER (For BS)	99	7787161	WASHER
75	6576271	RELAY CAP	100	7787394	WASHER
76	5641092	REED RELAY	101	6287621	KNOB (TAPE DOLBY NR)
77	7575542	TUBE	102	6296701	KNOB (AUTO REWIND)
78	7780915	BIND TAPPING SCREW-2MHDX5MH	103	6041601	UPPER COVER (For U, C)
79	8699412	BIND TAPPING SCREW-3HHDX12HH(BLACK)		6040767	UPPER COVER (For W, FS, BS, AU)
80	8724406	FLAT SCREW-3MMDX6MM	104	6040753	BOTTOM COVER (For U. C. FS, BS, AU)
81	7781581	BT FLAT SCREW-3MMDX10MM		6040754	BOTTOM COVER (For W)
82	8671608	DT SCREW-4MMDX8MM	105	7781583	BT FLAT SCREW-3HHDX14HH
83	7174533	WASHER	106	8699610	BT BIND SCREW-4HHDX10HM (For U, C)
		MISCELLANEOUS	1	7781731	BT BIND SCREW-4MMDX10MM (For W. FS, BS, AU)
	/ 222222		107	8691425	BT BIND SCREW-3MMDX25MM
84		FRONT PANEL ASSEMBLY (For U, C)	108	6754292	DIN CAP (For U, C)
	6222283	FRONT PANEL ASSEMBLY (For W. FS, BS, AU)			