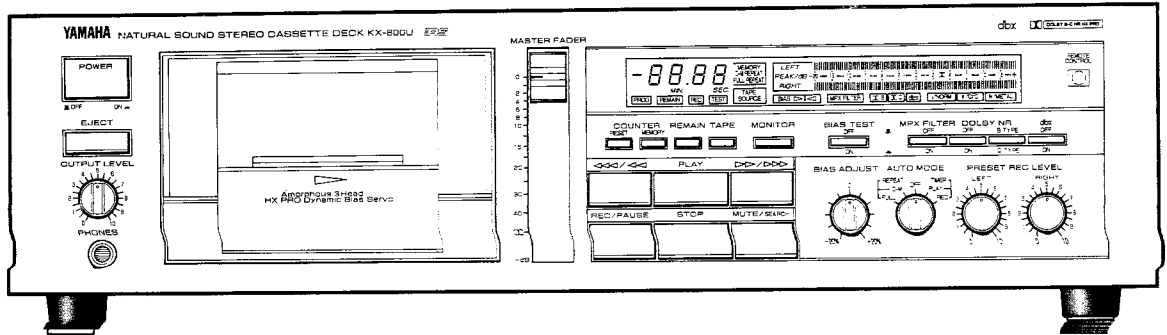


# STEREO CASSETTE DECK KX-800/800U

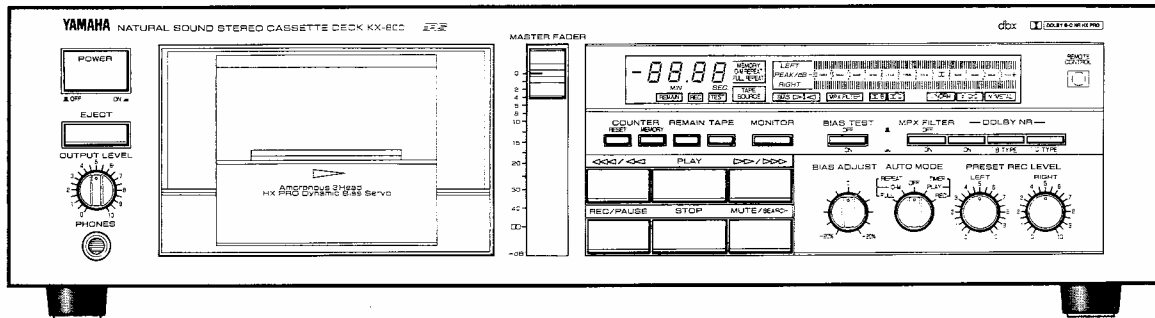
## SERVICE MANUAL

### • U.C models

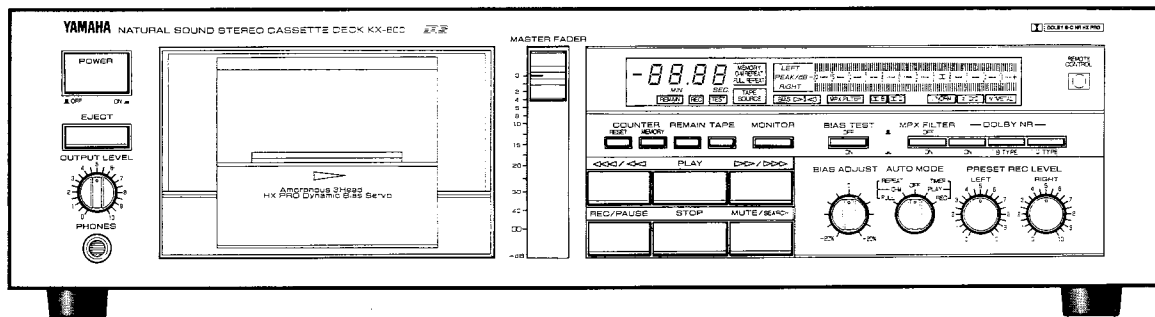


KX-800/800U


### • RS-K12

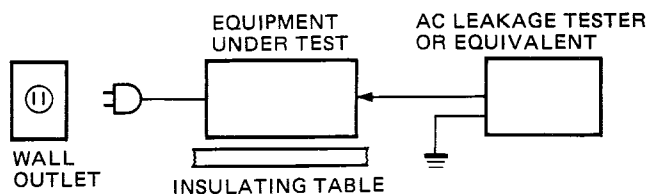


### • B,G, models



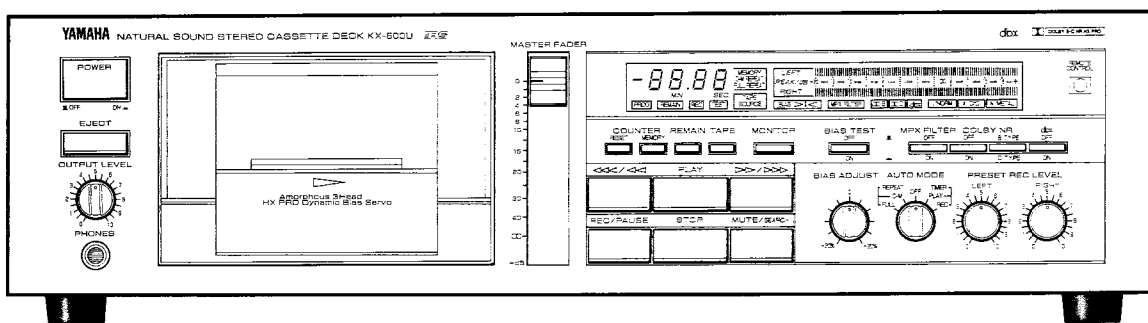
## TO SERVICE PERSONNEL

1. Critical Components Information.  
Components having special characteristics are marked  and must be replaced with parts having specifications equal to those originally installed.
2. Leakage Current Measurement (For 120V Model Only).  
When service has been completed, it is imperative that you verify that all exposed conductive surfaces are properly insulated from supply circuits.
  - Meter impedance should be equivalent to 1500 ohm shunted by 0.15 $\mu$ F.
  - Leakage current must not exceed 0.5mA.
  - Be sure to test for leakage with the AC plug in both polarities.

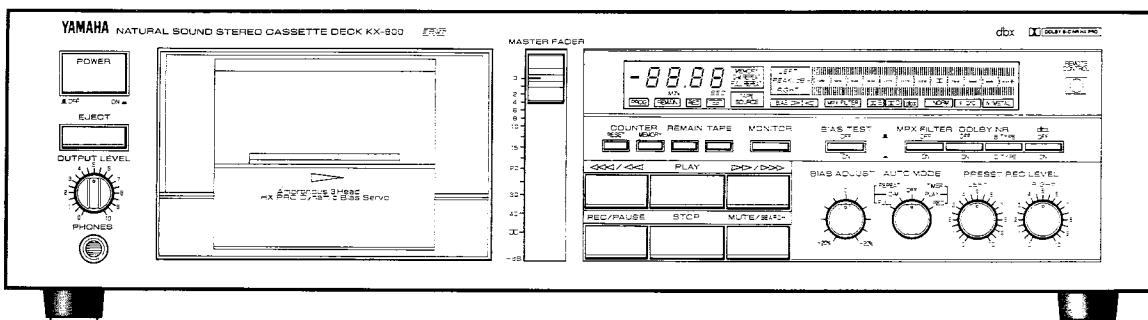


## FRONT PANELS

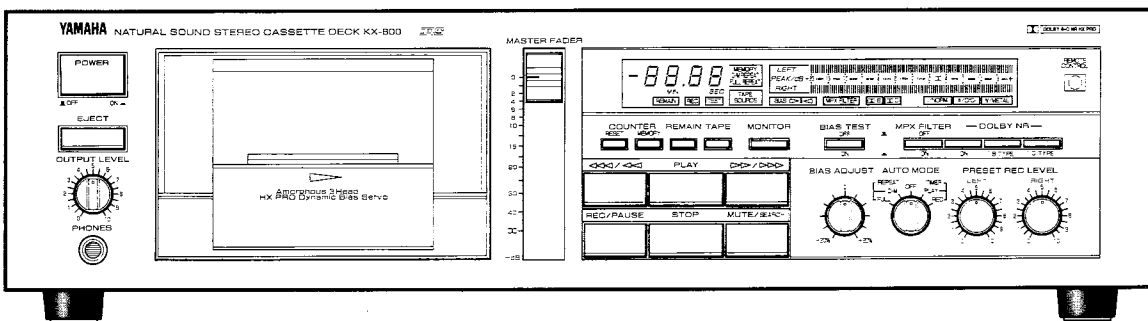
- U, C, models



- R,A, models

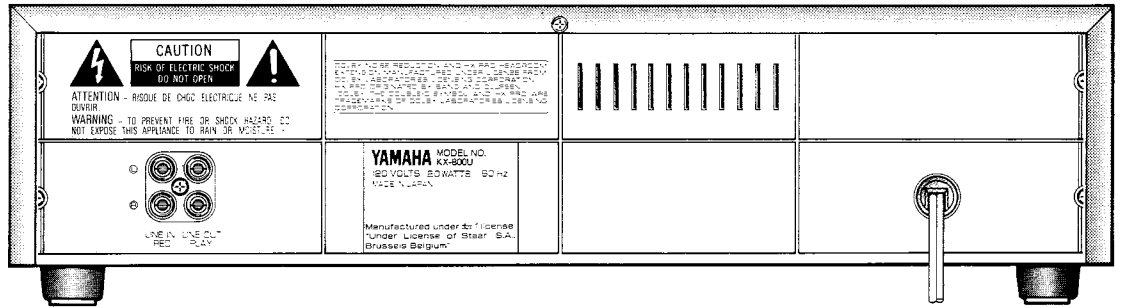


- B,G, models

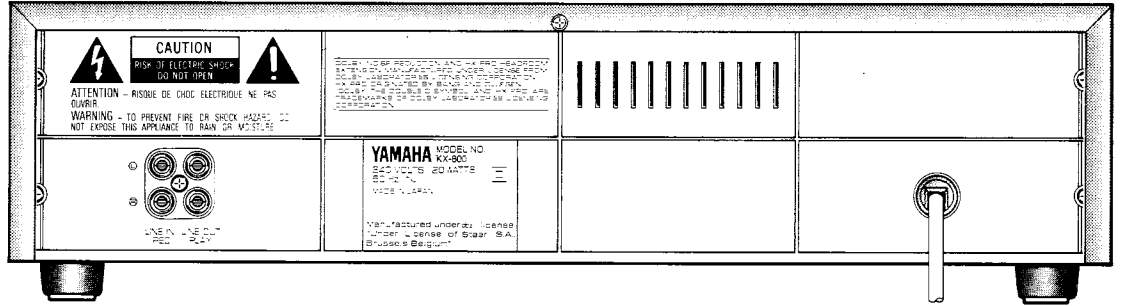


# REAR PANELS

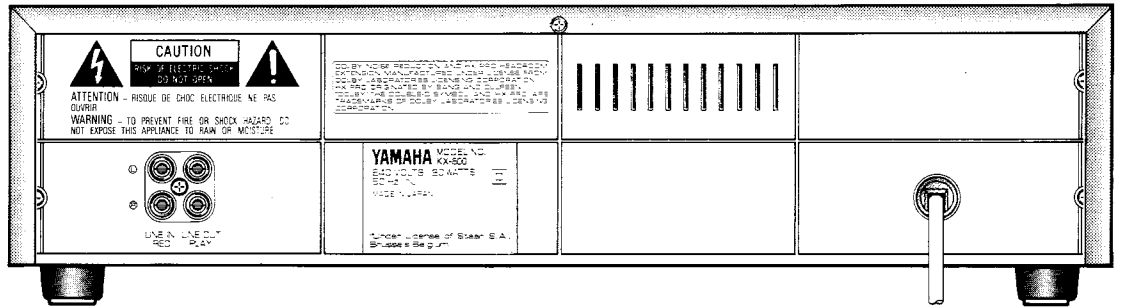
● U, C models



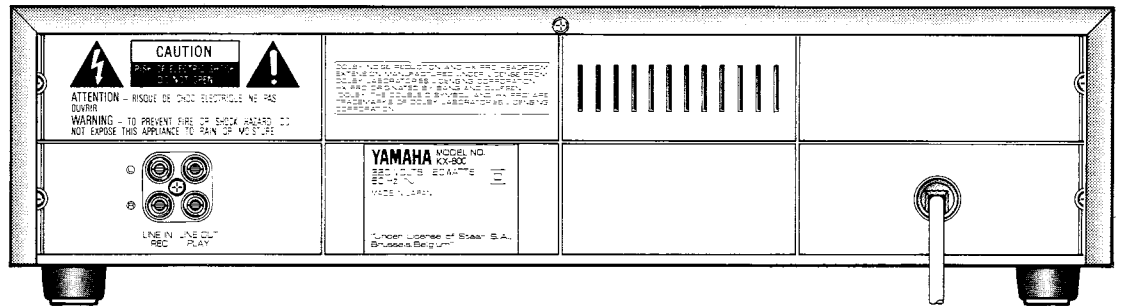
● A model



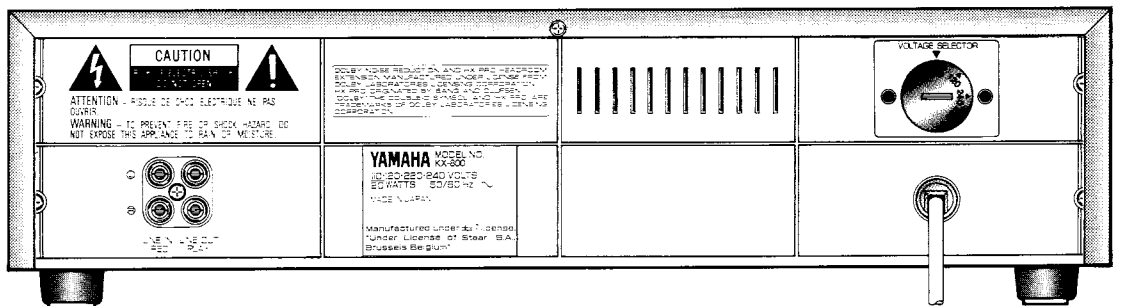
● B model



● G model



● R model



KX-800/800U

## ■ SPECIFICATIONS

<b>Track Configuration</b> . . . . .	4 track, 2 channel stereo
<b>Motor</b> . . . . .	DC servo motor (capstan) Flat torque DC motor (reel) DC motor (assist)
<b>Heads</b> . . . . .	Combination, Amorphous with 12-laminated core Rec and Playback heads, Double-gap Ferrite erase head
<b>Rapid Transport</b> (F, Fwd/Rew) . . . . .	70 sec. (C-60)
<b>Wow and Flutter</b>	
WRMS . . . . .	less than 0.05%
W. Peak . . . . .	less than ±0.08%
<b>Signal-to-Noise Ratio</b>	
Dolby NR off . . . . .	better than 61dB
Dolby B, NR on . . . . .	better than 69dB
Dolby C, NR on . . . . .	better than 77dB
dbx on . . . . .	90dB (U,C,R,A)
<b>Frequency Response</b>	
Normal tape (-20dB) . . . . .	20–18,000Hz, ±3dB
CrO <sub>2</sub> tape (-20dB) . . . . .	20–20,000Hz, ±3dB
Metal tape (-20dB) . . . . .	20–22,000Hz, ±3dB
<b>Harmonic Distortion</b>	
Normal tape . . . . .	less than 0.5%
Chrome tape . . . . .	less than 0.5%
Metal tape . . . . .	less than 0.5%
<b>Input Sensitivity/Impedance</b>	
Line . . . . .	50mV/30k-ohms

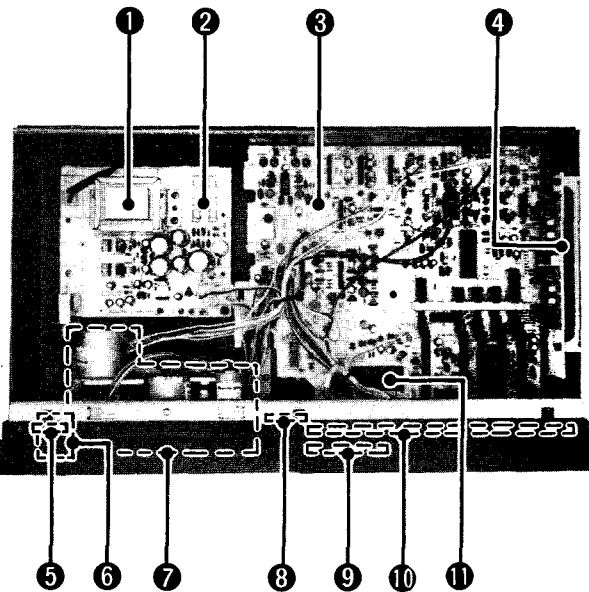
<b>Output Level</b>	
Line . . . . .	360mV/1.2k-ohm
Phones . . . . .	1.2mW/8ohms
<b>Channel Separation (3150Hz)</b> . . . . .	40dB
<b>Cross Talk (125Hz)</b> . . . . .	55dB
<b>GENERAL</b>	
<b>Power Supplies</b>	
U, C models . . . . .	120V, 60Hz
G models . . . . .	220V, 50Hz
A, B models . . . . .	240V, 50Hz
R models . . . . .	110/120/220/240V, 50/60Hz
<b>Power Consumption</b> . . . . .	20W
<b>Dimensions (WxHxD)</b> . . . . .	435x117x273mm (17-1/8"x4-5/8"x10-3/4")
<b>Weight</b> . . . . .	4.8kg (10 lbs, 9oz.)

*Specifications subject to change without notice.*

- (U) . . . . . U.S.A. model
- (C) . . . . . Canadian model
- (A) . . . . . Australian model
- (G) . . . . . European model
- (B) . . . . . British model
- (R) . . . . . Other model

KX-800/800U

## ■ INTERNAL VIEW



- ① POWER TRANSFORMER
- ② POWER TRANSFORMER UNIT
- ③ MAIN CIRCUIT BOARD (1)
- ④ MAIN CIRCUIT BOARD (7)
- ⑤ MAIN CIRCUIT BOARD (6)
- ⑥ MAIN CIRCUIT BOARD (5)
- ⑦ CASSETTE MECHANISM UNIT
- ⑧ MAIN CIRCUIT BOARD (3)
- ⑨ MAIN CIRCUIT BOARD (4)
- ⑩ MAIN CIRCUIT BOARD (2)
- ⑪ 4-bit μ-COM: LC6554H-3451

# DISASSEMBLY PROCEDURES (Remove parts in disassembly order as numbered)

## 1. Removal of top Cover

Remove 5 screws (1) in Fig. 1.

## 2. Removal of front panel

- Pull off 5 knobs in Fig. 1.
- Detach 9 connectors (#6, #9 ~ #14, #17, #18) in Fig. 3.
- Remove 8 screws (2) then pull off front panel in Fig. 1.

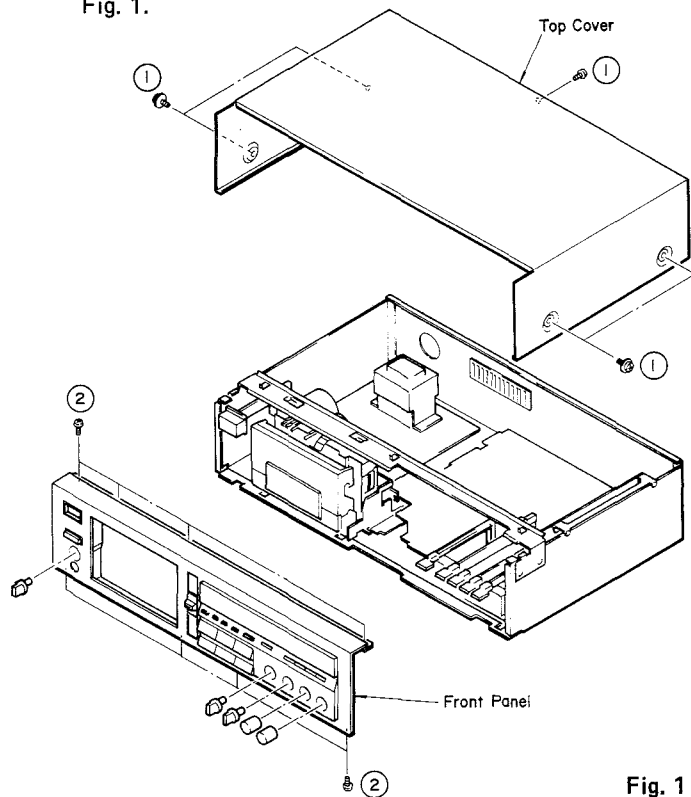


Fig. 1

## 3. Removal of cassette mechanism unit

- Remove lid in Fig. 2.
- Detach 7 connectors (#1 ~ #5, #8, #15) in Fig. 3.
- Remove 6 screws (4) in fig. 2, then slide off cassette mechanism unit backward gently.

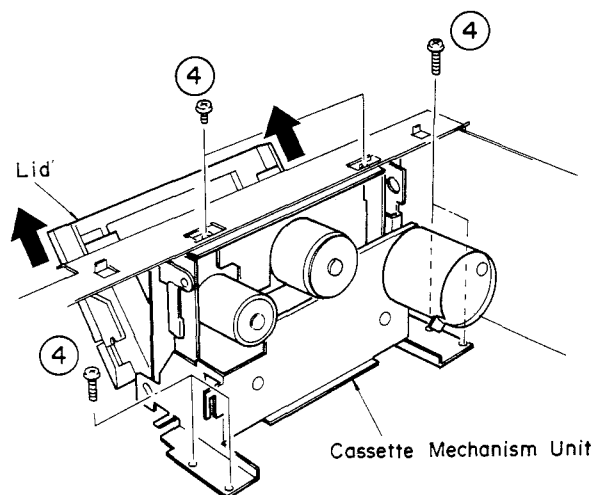
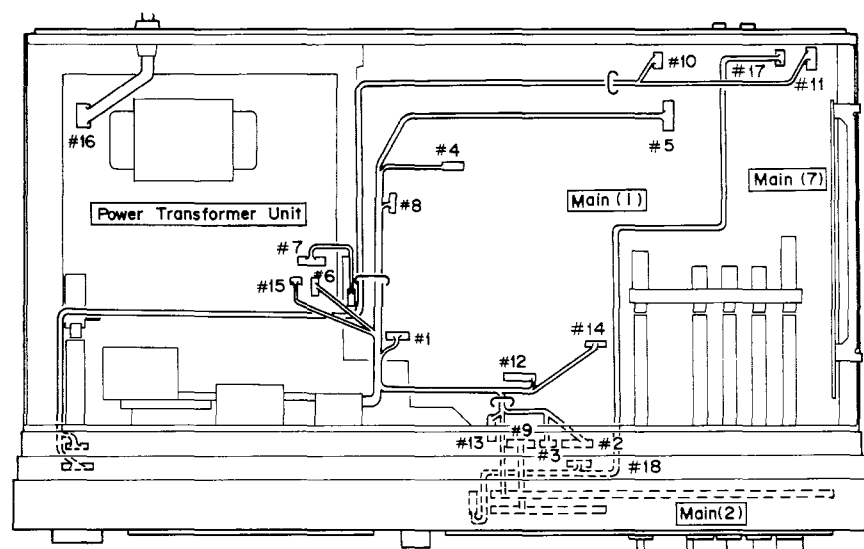


Fig. 2

## ● CONNECTOR WIRING

Note: Connect the connectors correctly referring to Fig. 3 to prevent malfunction.



Be careful to keep wire #11 away from wire #5.

Fig. 3

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**4. Replacement of cassette mechanism parts**

- a. Remove 1 screw (5) in Fig. 4, then remove the blind plate.

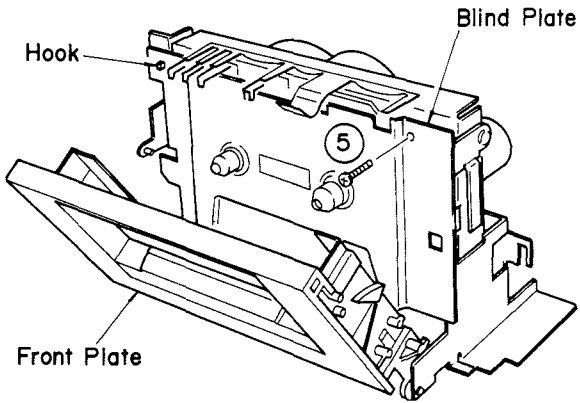
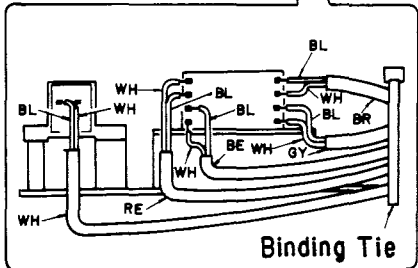
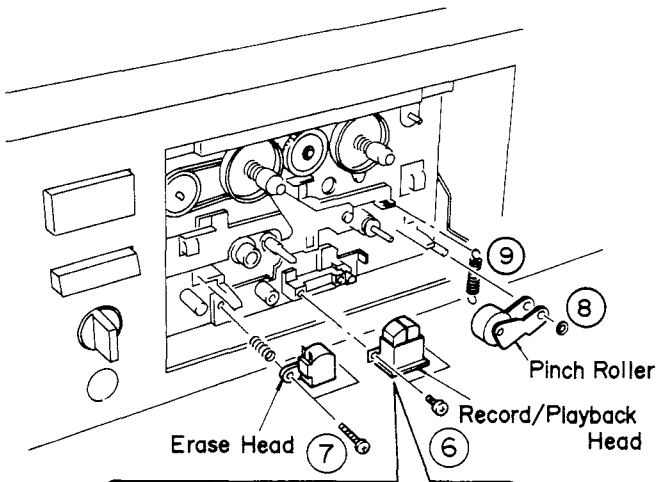


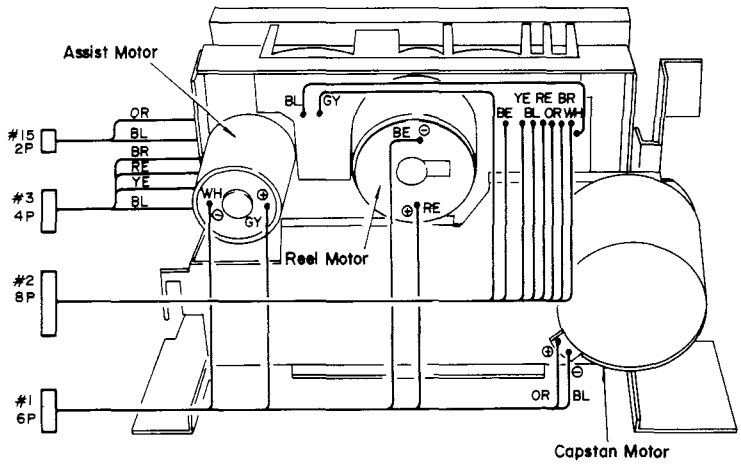
Fig. 4

- b. Remove 2 screws (6) in Fig. 5 then replace the REC/PB head.  
 c. Remove the 2 screws (7) in Fig. 5 then replace the ERASE head.  
 d. Remove the E ring (8) and spring (9) in Fig.5 then replace the pinch roller.



• Head wiring diagram (viewed from the underside)

**• WIRING OF MECHANISM UNIT**



**5. Replacement of capstan motor**

- a. Remove 2 screws (10) in Fig. 6, then remove the back plate.

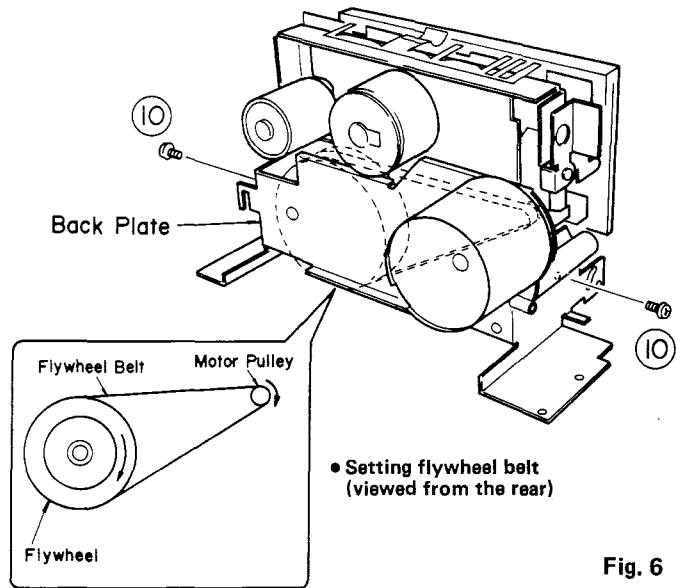


Fig. 6

- b. Remove 2 screws (11) in Fig. 8, then replace the capstan motor.

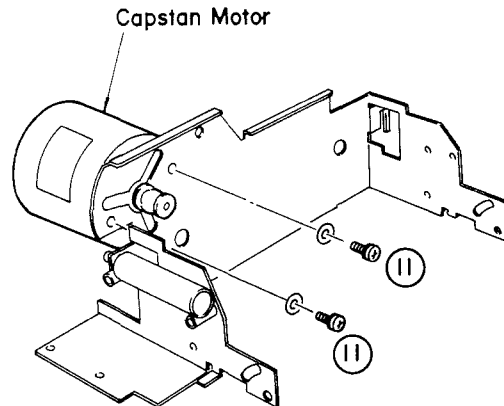


Fig. 8

Fig. 5

### 6. Replacement of reel motor

- a. Remove the washer (12), then remove the reel base as shown in Fig. 9.
- b. Remove the back plate (Refer to Fig. 6.)
- c. Remove the poly-slider washer (13) in Fig.9 and remove the flywheel.

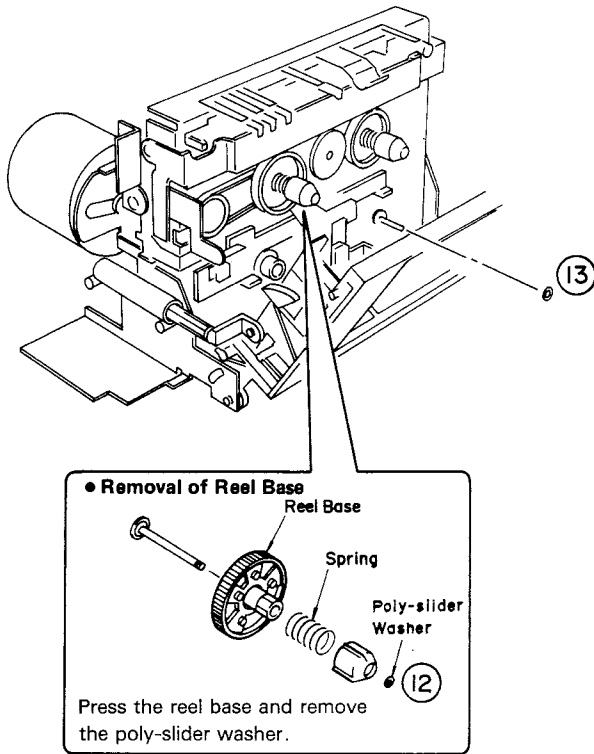


Fig. 9

### 7. Replacement of assist motor

- a. Remove 2 screws (15) in Fig. 11 and replace the assist motor.

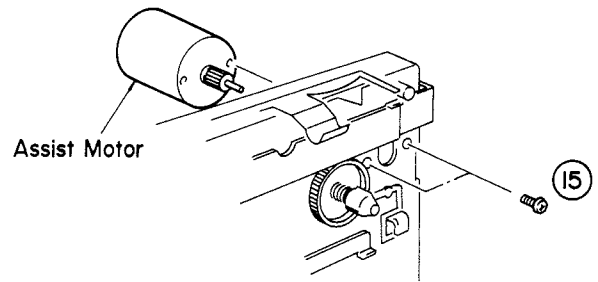


Fig. 11

- d. Remove 2 screws (14) in Fig. 10 and replace the reel motor.

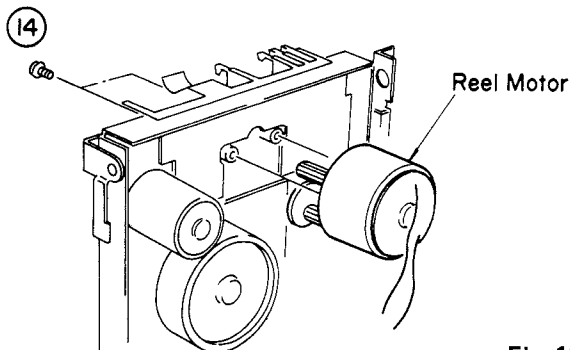


Fig. 10

# ADJUSTMENTS

## 1. Before adjustment:

- Since head magnetization, dust accumulations, etc. are likely to introduce error in the various characteristics, it is very important that the heads are properly demagnetized and cleaned.

## 2. Instruments required

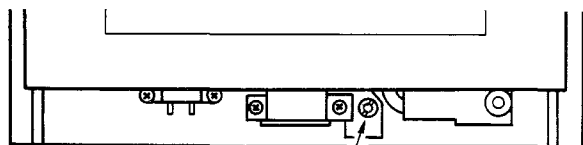
- Audio frequency oscillator (AF OSC)
- ACVM or dual channel ACVM
- Wow/flutter meter
- Oscilloscope
- Torque meter  
TW-2111 (TX911580)  
CT160L (TX911120)
- DCVM

## 3. Test tape required

- MTT-111N (TX911650): Tape Speed
- MTT-114N (TX911680): Azimuth
- MTT-212CN (TX911670)
- MTT-256U (TX911620)
- MTT-356U (TX911610)
- Reference tape  
Normal (LH): TDK AD-60 or TDK AC223 (TX911600)  
CrO<sub>2</sub>: TDK SA-60 or TDK AC513 (TX911750)  
METAL: TDK MA-60 or TDK AC712 (TX911590)

## MECHANICAL ADJUSTMENT

Step	Item to be Adjusted	Taps	Instrument required	Mode	Adjustment part	Rating	Remarks
1	Check each torque		Torque meter			Take-up torque: 35~55g-cm FF, REW torque: more than 70g-cm Back tension: 4~7g-cm	
2	Check FF and REW times	AC-513				Normal: Less than 85 seconds High speed: Less than 55 seconds	
3	Tape speed	MTT-111N 3kHz, -10dB	Wow/flutter meter or Frequency counter	PLAY	Semi fixed variable resistor at the back of the capstan motor. (Fig. B)	3000 <sup>+5</sup> Hz -15Hz	*Perform adjustment at the center of the test tape length if possible.
4	Azimuth	MTT-114N 10kHz, -10dB	ACVM Oscilloscope	PLAY	Azimuth adjustment screw. (Fig. A)	Playback output of L and R is maximum and phase difference should be minimum.	After the adjustment, make sure to apply screw lock paint.
5	Wow/flutter	MTT-111N 3kHz, -10dB	Wow/flutter meter	PLAY		Less than 0.07% (JIS W, RMS)	



Azimuth adjustment screw

Fig. A.

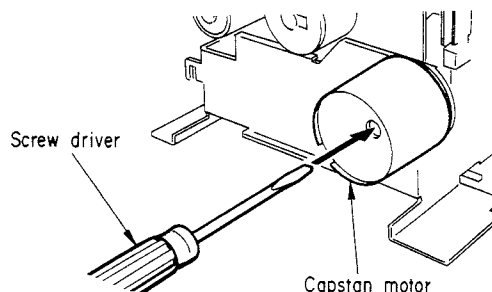


Fig. B.

## ELECTRICAL ADJUSTMENTS

### <PLAYBACK ADJUSTMENTS>

\* Use 360mV (-9dBV) for 0dB as the standard level of this unit.

● Proceed with the playback adjustments after having finished the mechanical adjustments.

Step	Adjustment item	Tape	Point of Measurement	Instrument Required	Mode	Adjustment Part	Rating
1	Playback level	MTT-212CN 315Hz 160nwb/m	LINE OUT	A.C.V.M. (AC Volt/dB Meter)	PB	VR1 (L) VR2 (R)	360 ± 25mV (-9.0 ± 1dBV)
2	Playback frequency response confirmation	MTT-356U (3180 + 70μs) MTT-256U (3180 + 120μs)	LINE OUT	A.C.V.M.	PB		Frequency response should be within specification in Fig. C.
3	dbx Timing		TP5 ~ TP7 TP6 ~ TP7	D.C.V.M.	STOP	VR17 VR18	18.4 ± 0.5mV D.C.



● **PLAYBACK FREQUENCY RESPONSE**

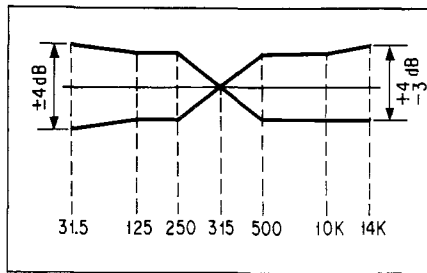


Fig. C.

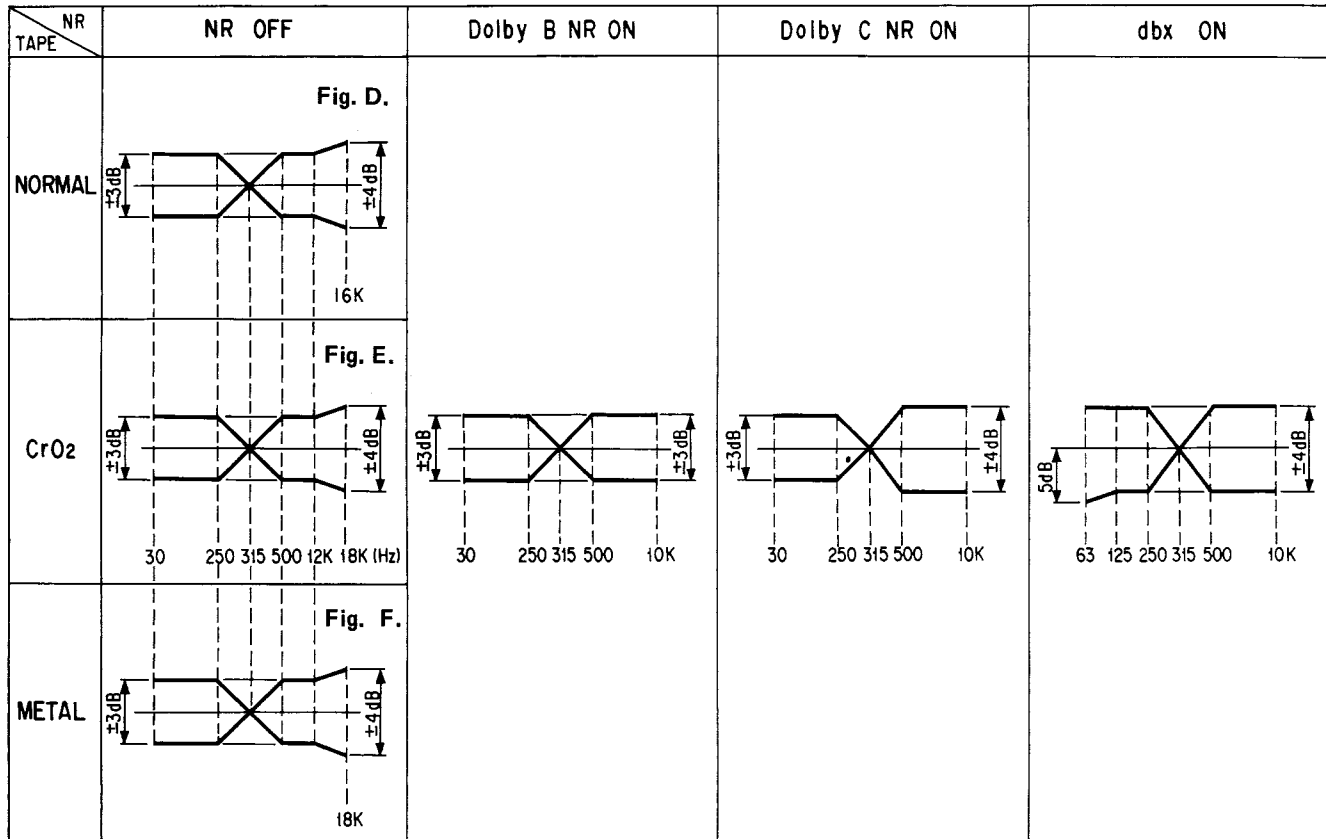
<RECORDING ADJUSTMENT>

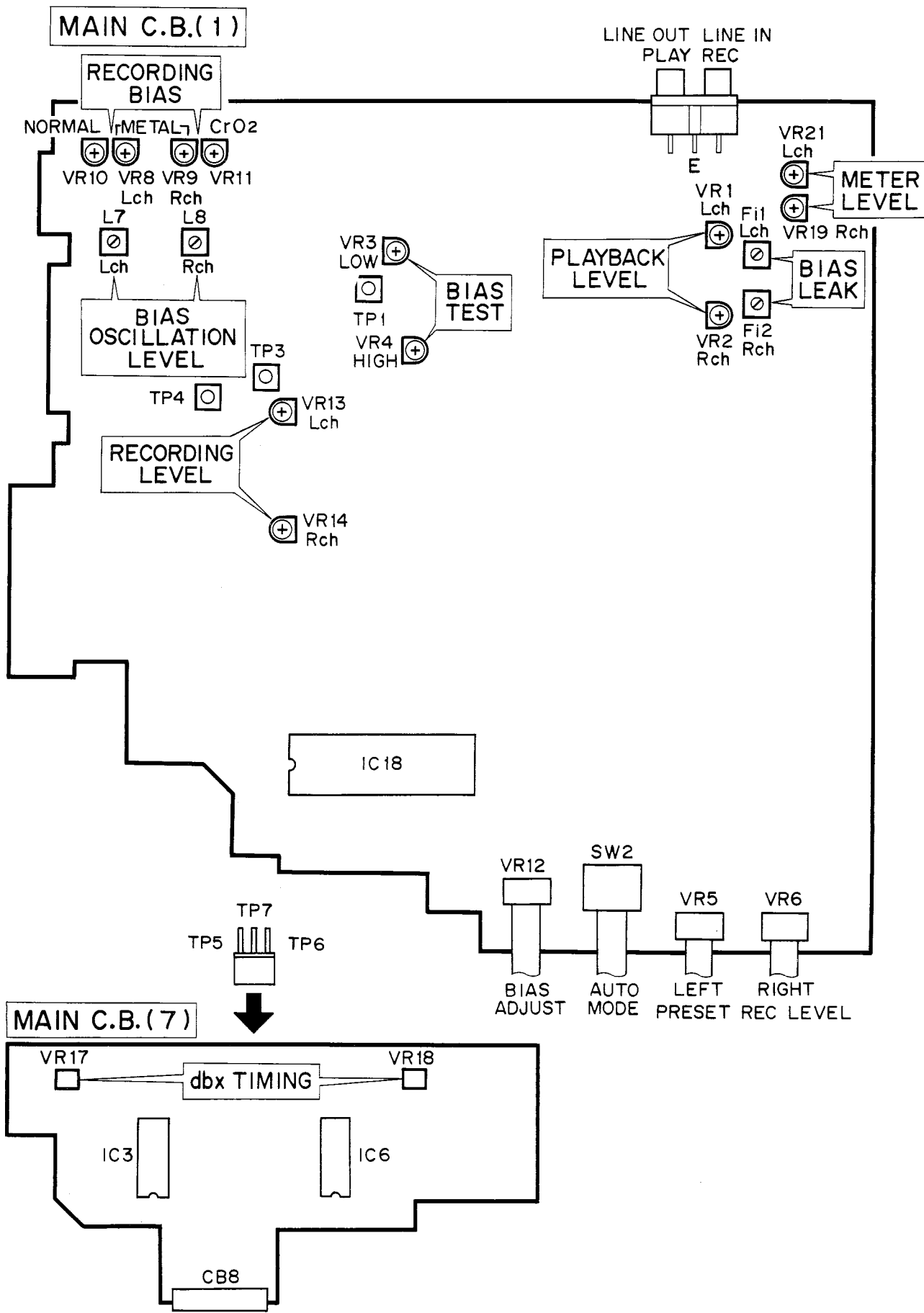
- Proceed with the recording adjustments after having finished the playback adjustments.

Step	Adjustment Item	Tape	Test Point	Instrument Required	Mode	Measurement Conditions	Adjustment Parts	Rating	Remarks
1	Peak Level Meter (0dB)		LINE OUT LINE IN	A.C.V.M. Audio frequency oscillator	SOURCE	Apply a 1kHz sine wave signal from LINE IN so that LINE OUT voltage is 360mV (-9dBV).	VR21 (L) VR19 (R)	0dB segment (red) should light.	When MASTER FADER is decreased L and R segments around 0dB should fade out almost simultaneously.
2	BIAS Oscillation Level	AC-712	TP3-E TP4-E	A.C.V.M.	REC	BIAS ADJUST → Maximum	L7 (L) L8 (R)	Adjust so that oscillation output is maximum.	
3	BIAS Leak (PB Amp)	AC-712	LINE OUT	A.C.V.M.	REC TAPE	With no signal applied (REC at minimum), set BIAS ADJUST to maximum and measure bias leak at LINE OUT when recording and monitoring simultaneously (TAPE mode) by using a metal tape.	Fi1 (L) Fi2 (R)		Adjust so as to minimize bias leak.
4	Recording Level (Through)	AC-513 INPUT SIGNAL (315Hz, -20dB)	LINE OUT LINE IN	A.C.V.M. Audio frequency oscillator	REC TAPE NR → OFF	Apply a 315Hz sine wave signal from LINE IN so that LINE OUT voltage is 36mV (-29 dBV).	VR13 (L) VR14 (R)	±0.5dB	The reference tape of this unit is AC-513 (equivalent to SA). If other tape is used, slight difference in level results.
5	Recording BIAS (METAL)	AC-712 INPUT SIGNAL (315Hz, 10kHz, -20dB)	LINE OUT	A.C.V.M.	REC TAPE	① Record and playback a 315Hz (-20dB) signal and read the level. ② Record and playback a 10kHz (-20dB) signal and adjust so that the same level as the above ① level is obtained.	VR8 (L) VR9 (R)	Frequency response should satisfy Fig. F.	
6	Recording BIAS (CrO <sub>2</sub> )	AC-513 INPUT SIGNAL (315Hz, 10kHz, -20dB)	LINE OUT	A.C.V.M.	REC TAPE NR → OFF	① Confirm the 315Hz record/playback level (Step 4). ② Record and playback a 10kHz (-20dB) signal and adjust so that the same level as the above ① level is obtained.	VR11	Frequency response should satisfy Fig. E.	As ORBit signal is 315Hz and 10kHz, use a 315Hz signal and a 10kHz one when adjusting recording/playback frequency response and confirm that each rating is satisfied. If other frequency is used for adjustment. Bias indicator may indicate an error.

Step	Adjustment Item	Tape	Test Point	Instrument Required	Mode	Measurement Conditions	Adjustment Parts	Rating	Remarks
7	Recording BIAS (Normal)	AC-223 INPUT SIGNAL (315Hz, 10kHz, -20dB)	LINE OUT	A.C.V.M.	REC TAPE	① Record and playback a 315Hz (-20dB) signal and read the level. (A slight difference results as record/playback level of this unit is set to AC-513.) ② Apply a 10kHz signal from LINE IN so that LINE OUT voltage is 36mV (-29dBV: voltage 20dB lower than the standard level) ③ Record the signal and adjust so that the same level as the above ① level is obtained.	VR10	Frequency response should satisfy Fig. D.	As ORBit signal is 315Hz and 10kHz, use a 315Hz signal and a 10kHz one when adjusting recording/playback frequency response and confirm that each rating is satisfied. If other frequency is used for adjustment. Bias indicator may indicate an error.
			LINE IN	Audio frequency oscillator					
8	BIAS Test (LOW)	AC-223	TP1-E	A.C.V.M.	BIAS TEST ON REC BIAS ADJ VR Center	Set NORMAL (AC-223) and perform BIAS TEST.	VR3	20 ± 5mV	Each adjustment in Steps 4~6 should be completed. Confirm adjustment is made within ±2 graduation when BIAS TEST is performed with other tape (AC-513, 712).
	BIAS Test (High)		BIAS indicator						

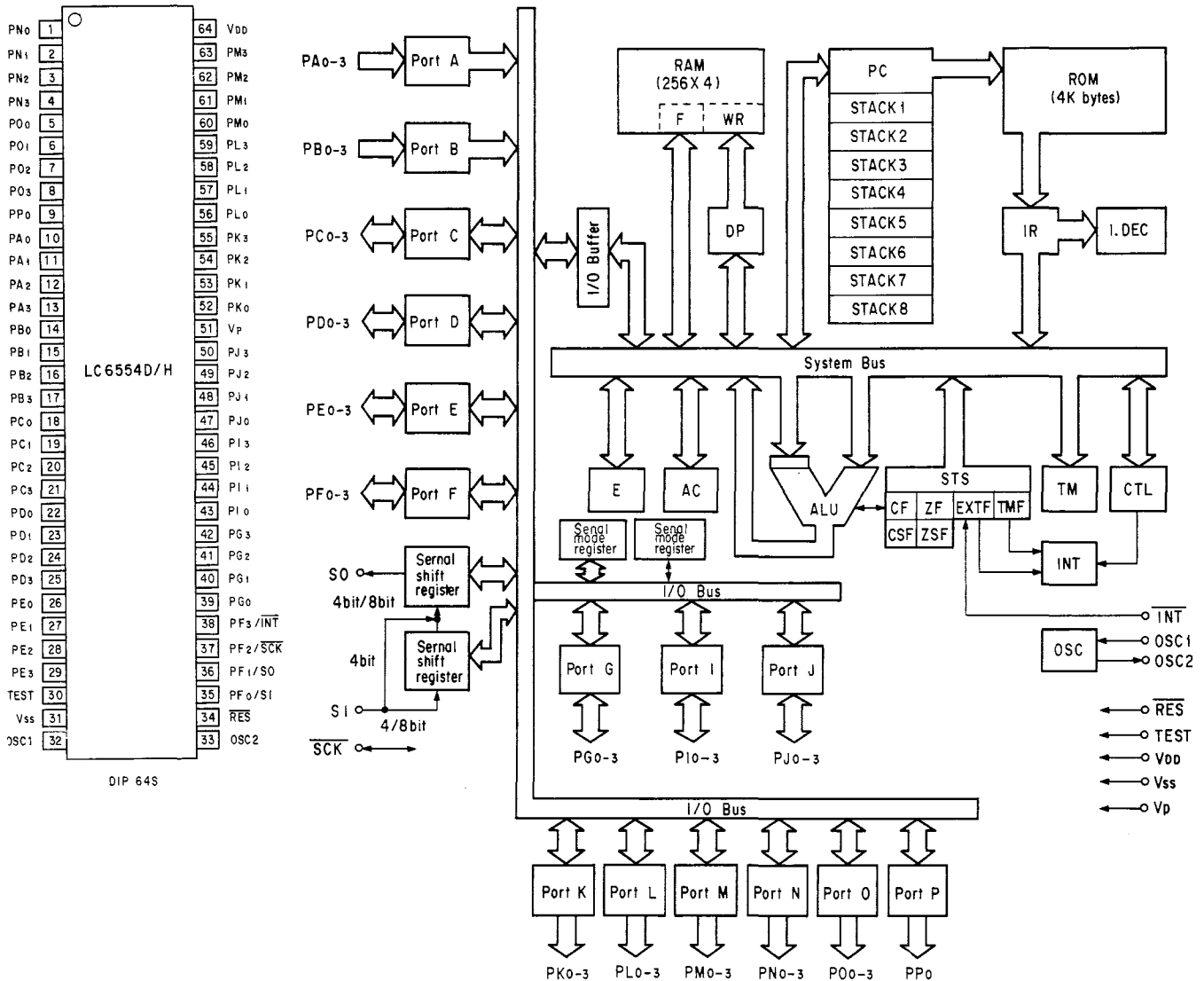
● RECORDING FREQUENCY RESPONSE





KX-800/800U

IC 18: LC6554H-3451 (4-bit  $\mu$ -COM)

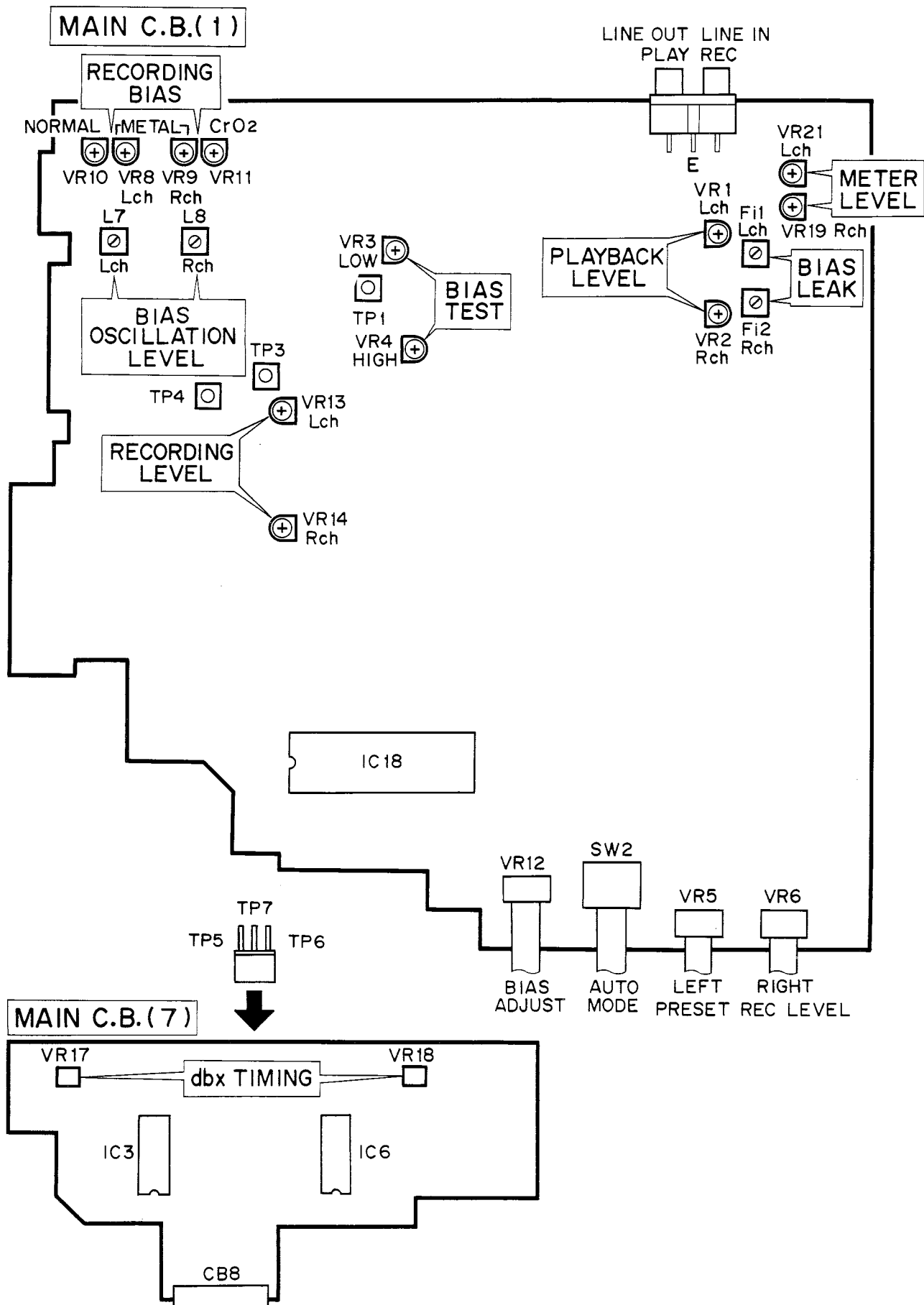


- |                                 |                                       |
|---------------------------------|---------------------------------------|
| RAM : Data memory               | STS : Status register                 |
| F : Flag                        | ROM : Program memory                  |
| WR : Working register           | PC : Program counter                  |
| AC : Accumulator                | INT : Interrupt control               |
| ALU : Arithmetic and logic unit | IR : Instruction register             |
| DP : Data pointer               | I.DEC : Instruction decoder           |
| E : E register                  | CF, CSF : Carry flag, carry save flag |
| CTL : Control register          | ZF, ZSF : Zero flag, zero save flag   |
| OSC : Oscillator                | EXTF : External interrupt request     |
| TM : Timer                      | TMF : Internal interrupt request      |

Note) Pins  $\overline{SI}$ ,  $\overline{S0}$ ,  $\overline{SCK}$ ,  $\overline{INT}$  are commonly used with  $\overline{PF0}$ ,  $\overline{PF1}$ ,  $\overline{PF2}$  and  $\overline{PF3}$  respectively.

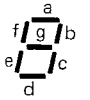
KX-800/800U

● TEST POINT



KX-800/800U

## ● TERMINAL DESCRIPTION

NO.	NAME	FUNCTION	NO.	NAME	FUNCTION
1	N <sub>0</sub>	LINE MUTE	64	V <sub>DD</sub>	+5
2	N <sub>1</sub>	REC MUTE	63	M <sub>3</sub>	} DISPLAY G <sub>1</sub> } DIGIT G <sub>2</sub> } OUTPUT G <sub>3</sub> } G <sub>4</sub>
3	N <sub>2</sub>	} REEL MOTOR CONTROL	62	M <sub>2</sub>	
4	N <sub>3</sub>		61	M <sub>1</sub>	
5	O <sub>0</sub>	} TAPE NORMAL CrO <sub>2</sub> METAL	60	M <sub>0</sub>	
6	O <sub>1</sub>		59	L <sub>3</sub>	
7	O <sub>2</sub>		58	L <sub>2</sub>	
8	O <sub>3</sub>	SEGMENT i, -, MIN, ·, SEC, IIIII	57	L <sub>1</sub>	}  a, TAPE b, FULL REPEAT c, O-M REPEAT d, MEMORY e, < f, > g, BIAS [ ]<+>
9	P <sub>0</sub>	DISPLAY (DOT) G <sub>5</sub>	56	L <sub>0</sub>	
10	A <sub>0</sub>	} INPUT KEY • PLAY • REC/PAUSE • FF • REW • MUTE/SEARCH • STOP • RESET • MEMORY	55	K <sub>3</sub>	
11	A <sub>1</sub>		54	K <sub>2</sub>	
12	A <sub>2</sub>		53	K <sub>1</sub>	
13	A <sub>3</sub>		52	K <sub>0</sub>	
14	B <sub>0</sub>		51	VP	
15	B <sub>1</sub>		50	J <sub>3</sub>	BIAS
16	B <sub>2</sub>		49	J <sub>2</sub>	MONITOR
17	B <sub>3</sub>		48	J <sub>1</sub>	} INPUT KEY • REMAIN • TAPE
18	C <sub>0</sub>	} MECHANISM POSITION SW (0) (1) (2)	47	J <sub>0</sub>	
19	C <sub>1</sub>		46	I <sub>3</sub>	} ASSIST MOTOR CONTROL
20	C <sub>2</sub>		45	I <sub>2</sub>	
21	C <sub>3</sub>	INPUT KEY • MONITOR	44	I <sub>1</sub>	} REEL MOTOR CONTROL (REW) (FF)
22	D <sub>0</sub>	CrO <sub>2</sub> DTC.	43	I <sub>0</sub>	
23	D <sub>1</sub>	METAL DTC.	42	G <sub>3</sub>	} CASSETTE MECHANISM
24	D <sub>2</sub>	ERASURE PROTECTION	41	G <sub>2</sub>	
25	D <sub>3</sub>	CASSETTE HALF	40	G <sub>1</sub>	MUSIC PULSE
26	E <sub>0</sub>	} AUTO MODE • FULL REPEAT • O-M REPEAT • TIMER PLAY • TIMER REC	39	G <sub>0</sub>	REMOTE INPUT
27	E <sub>1</sub>		38	F <sub>3</sub>	POWER OFF
28	E <sub>2</sub>		} ORBIT • TEST KEY • TEST LOW • TEST HIGH	37	F <sub>2</sub>
29	E <sub>3</sub>			36	F <sub>1</sub>
30	TEST	GND	35	F <sub>0</sub>	
31	V <sub>SS</sub>	GND	34	RES	RESET
32	OSC1	CLOCK	33	OSC2	CLOCK

## ● MODE VS OUTPUT

TERMINAL	NAME	STOP	FF	FF (HIGH SPEED)	REW	REW (HIGH SPEED)	PLAY	REC/PAUSE	REC/PLAY	CUE	REVIEW
J <sub>3</sub> , 50	BIAS	L	L	L	L	L	L	L	H	L	L
N <sub>1</sub> , 2	REC MUTE	H	H	H	H	H	H	H	L	H	H
N <sub>0</sub> , 1	LINE MUTE	(H)*	(H)*	(H)*	(H)*	(H)*	(L)*	(L)*	(L)*	(H)*	(H)*
J <sub>2</sub> , 49	MONITOR	H-	H-	H-	H-	H-	**H	***L	***L	H-	H-
I <sub>1</sub> , 44	REEL · R	L	L	L	H	H	L	L	L	L	H
I <sub>0</sub> , 43	REEL · F	L	H	H	L	L	H	L	H	H	L
N <sub>2</sub> , 3	REEL1	L	L	L	L	L	H	H	H	L	L
N <sub>3</sub> , 4	REEL2	H	H	L	H	L	H	H	H	H	H

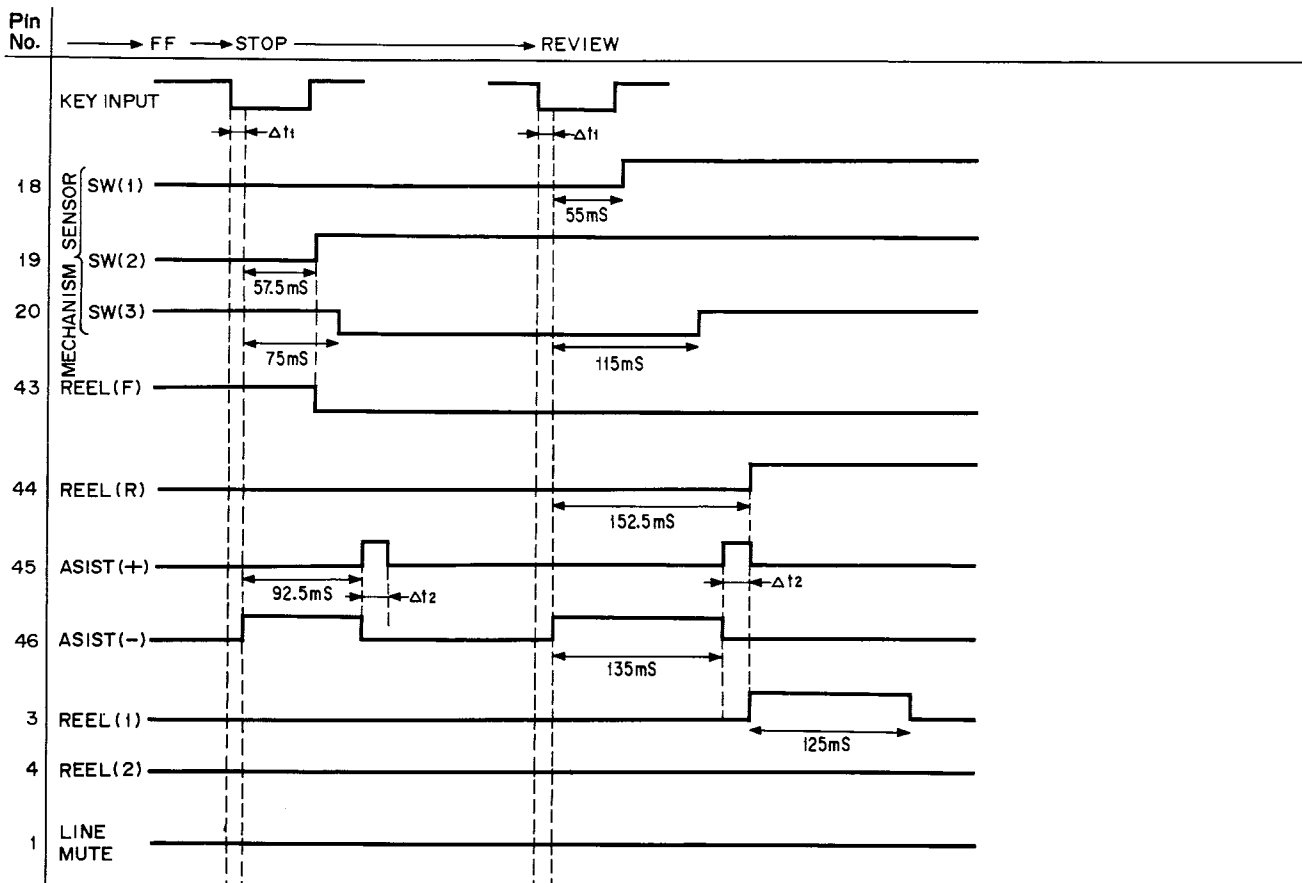
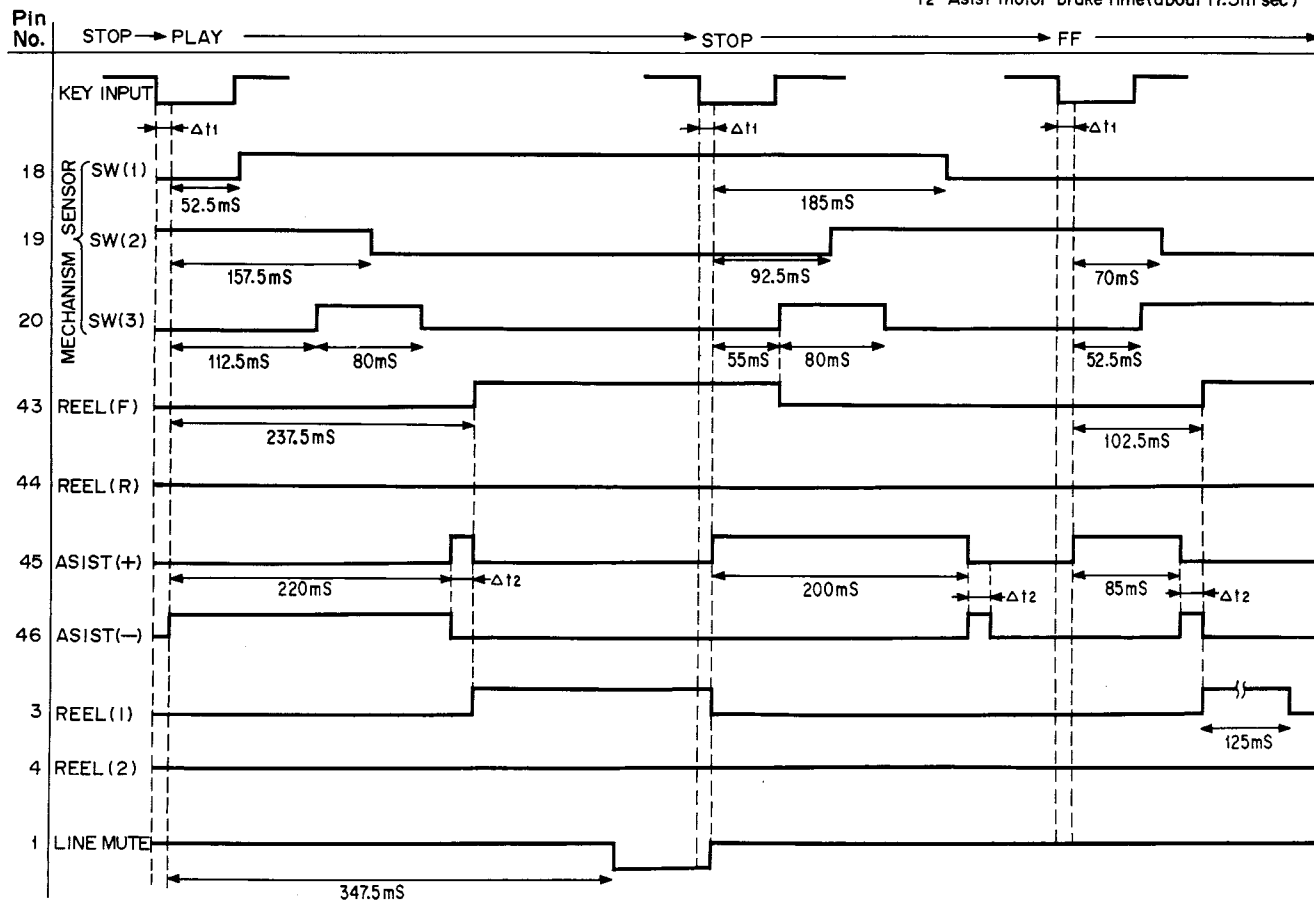
Note: L . . . . Low level  
H . . . . High level  
- . . . . Holding premode  
\*\* . . . . L changes when operation is ON  
\*\*\* . . . . H changes at initial REC  
\* . . . . L changes when TAPE is selected  
H changes when SOURCE is selected

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# TIMING CHART

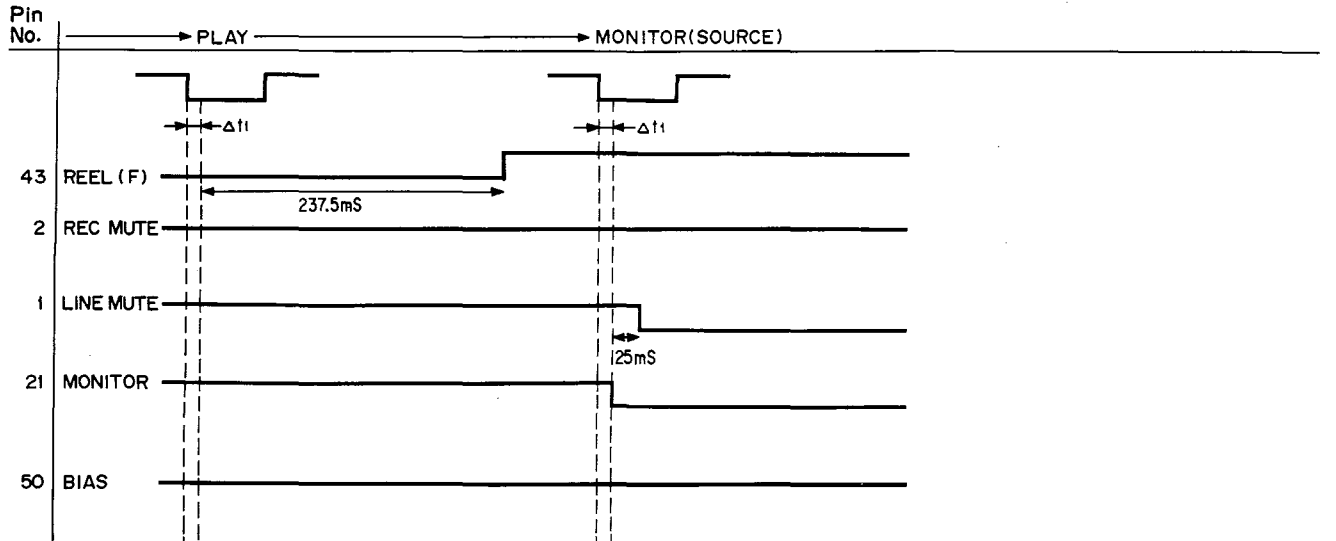
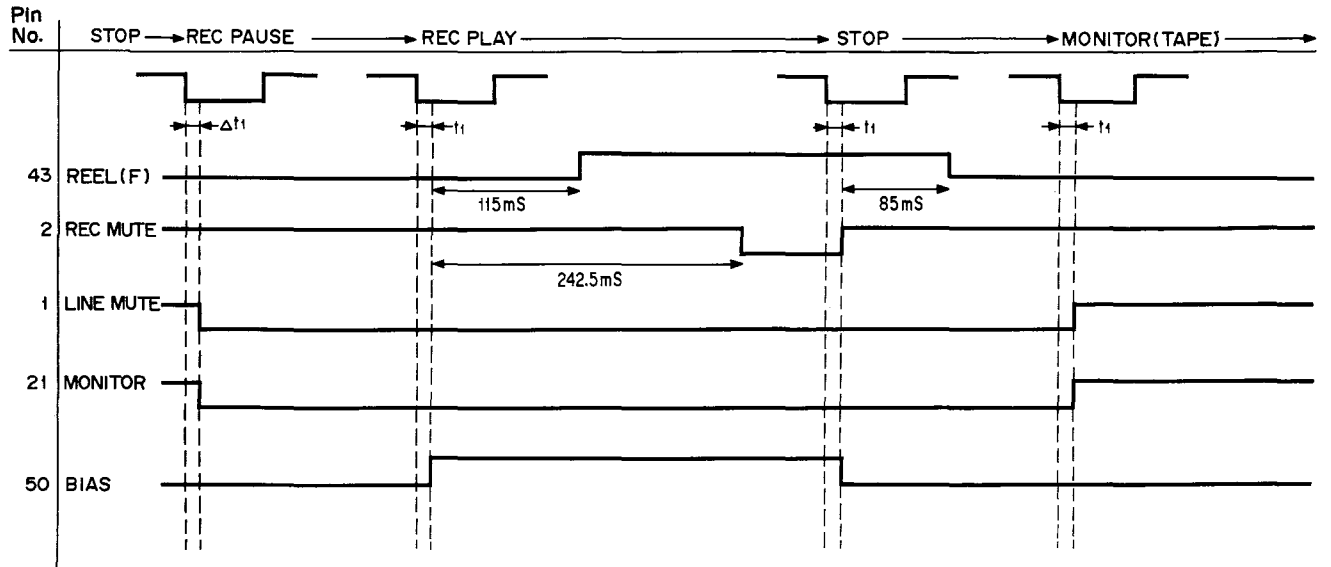
## MECHANISM DRIVE TIMING (LC6554H-3451)

Note:  $t_1$ =Delay from KEY input (about 10m sec)  
 $t_2$ =Asist motor brake time(about 17.5m sec)



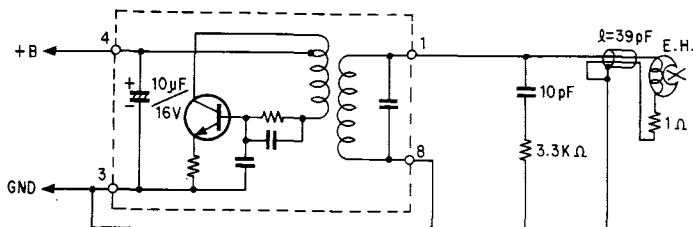
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## ● AMP SELECTOR TIMING

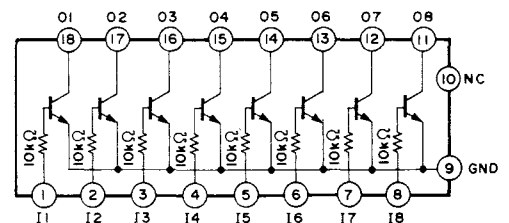


## ■ IC BLOCK

**IC10: VE040700**  
(Bias OSC Block)

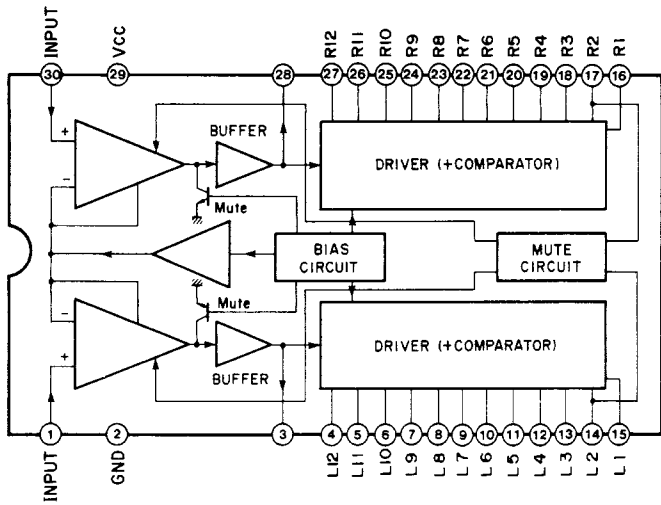


**IC9: AN90B20**  
(Transistor Array)

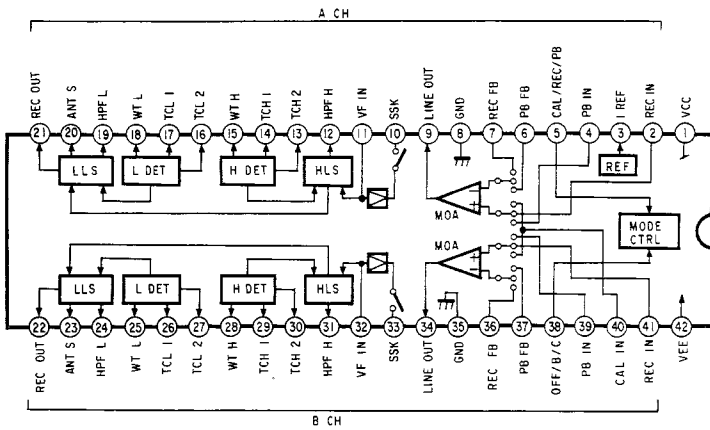




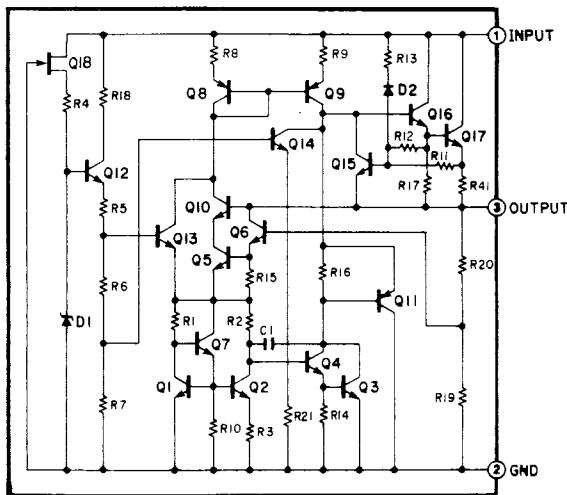
**IC19: HA12067NT  
(LED Driver)**



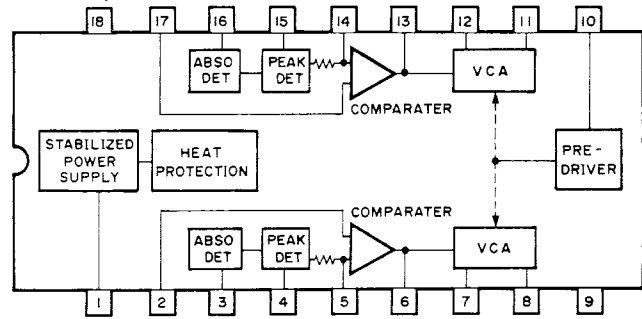
**IC2, 5: CX20188  
(Dolby B/C NR)**



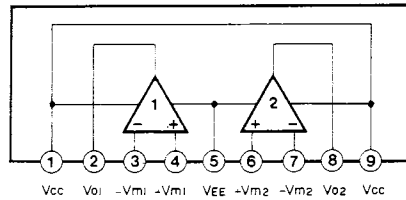
**IC501: AN78M05, NJM78M05A  
(Regulator)**



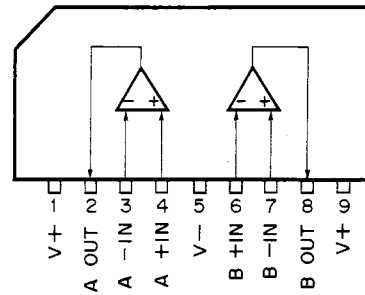
**IC11: μPC1297CA (Dolby HXPRO)**



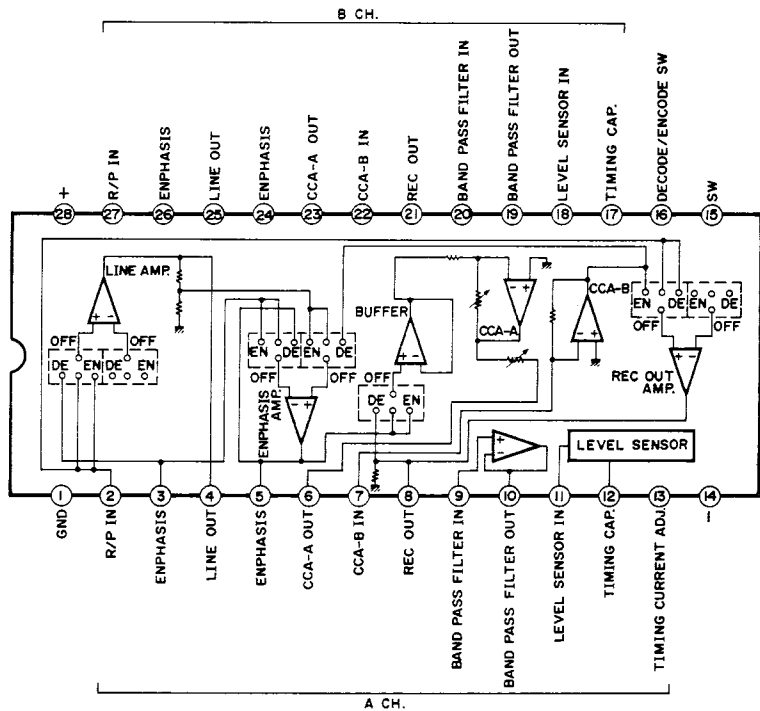
**IC4, 15~17: AN6551, NJM4558S, BA715  
IC7, 14, 8: NJM4556S-A  
(Dual Ope-amp)**



**IC1: NJM2043S-D  
(Pre-amp)**

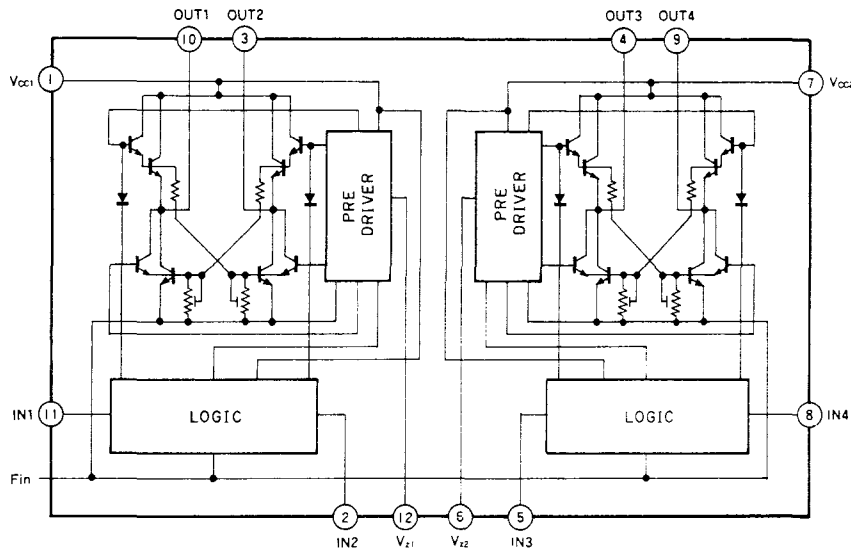


**IC3, 6: AN6294NK  
(Dual dbx NR)**

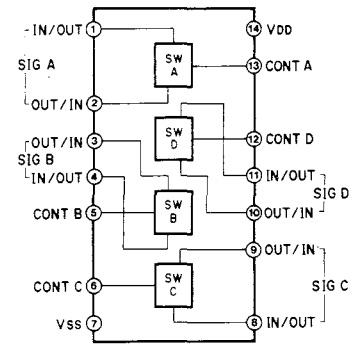


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**IC12: LB1649  
(Motor Driver)**

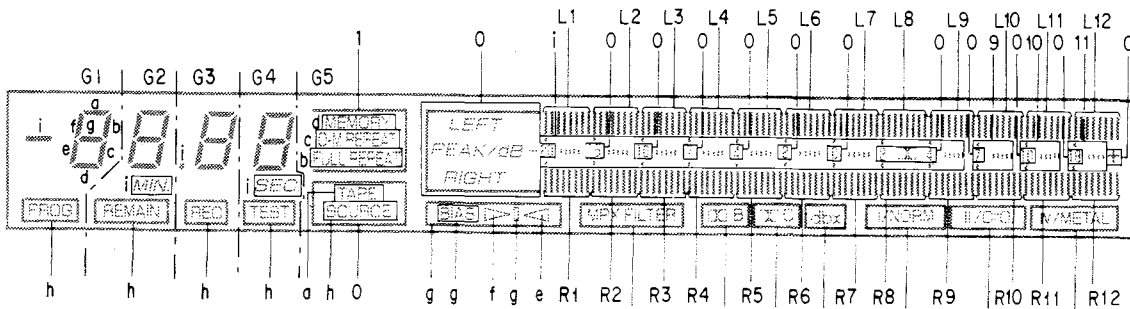


**IC13: MN4066B,  $\mu$ PD4066BC,  
LC4066BP, BU4066B  
(Analog Switch)**

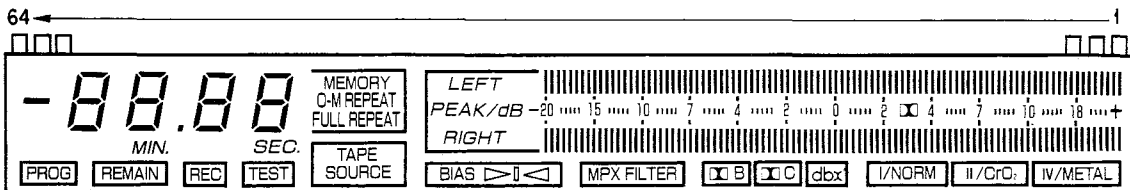
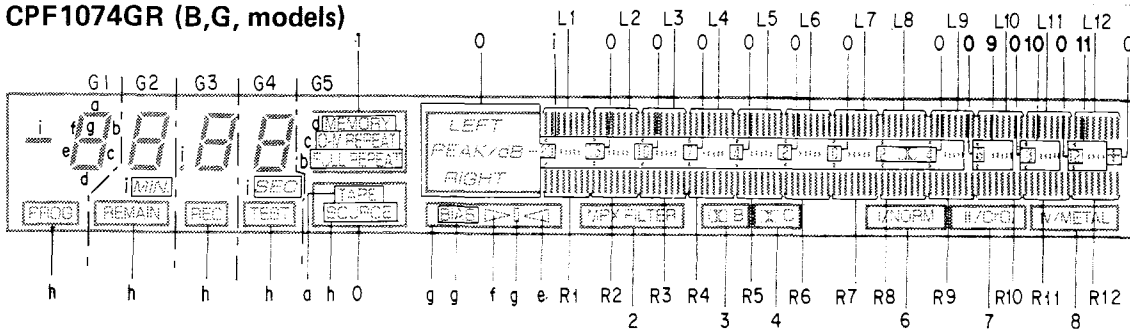


● **V1 (FL Display)**

**CPF1073GR (U,C,R,A, models)**



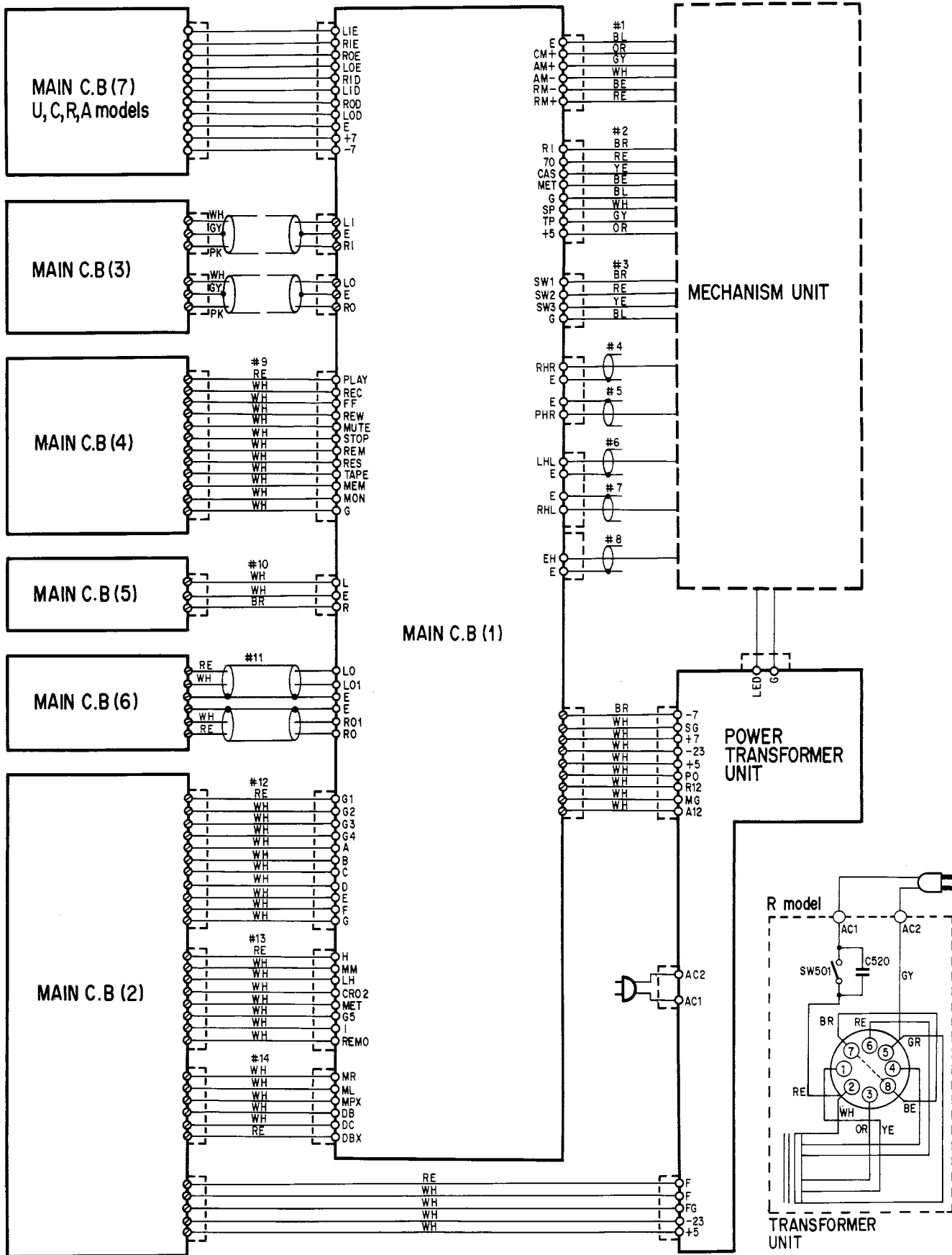
**CPF1074GR (B,G, models)**



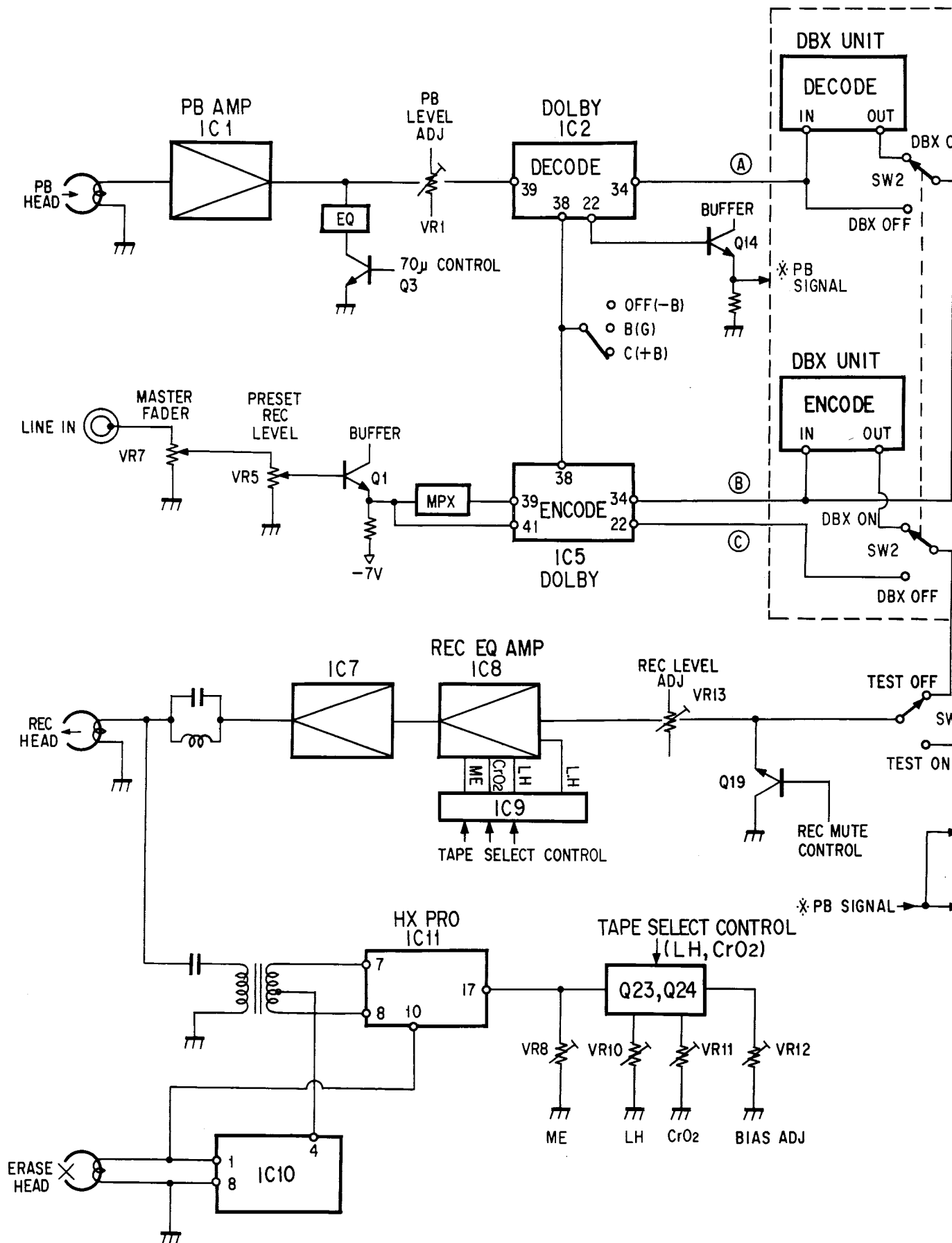
● **PIN ASSIGNMENT**

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	F	F	F	L 12	R 12	G5	10	L 11	R 11	9	L 10	R 10	L 9	G5	R 9	L 8	R 8	L 7	R 7	L 6	R 6	G5
Pin No.	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
	L 5	R 5	L 4	R 4	L 3	R 3	L 2	G5	R 2	L 1	R 1	0	i	11	8	G5	NP	NP	7	6	5	G5
Pin No.	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64		
	l	d	e	G4	c	g	G3	b	f	G2	a	h	G1	4	3	G1	2	F	F	F		

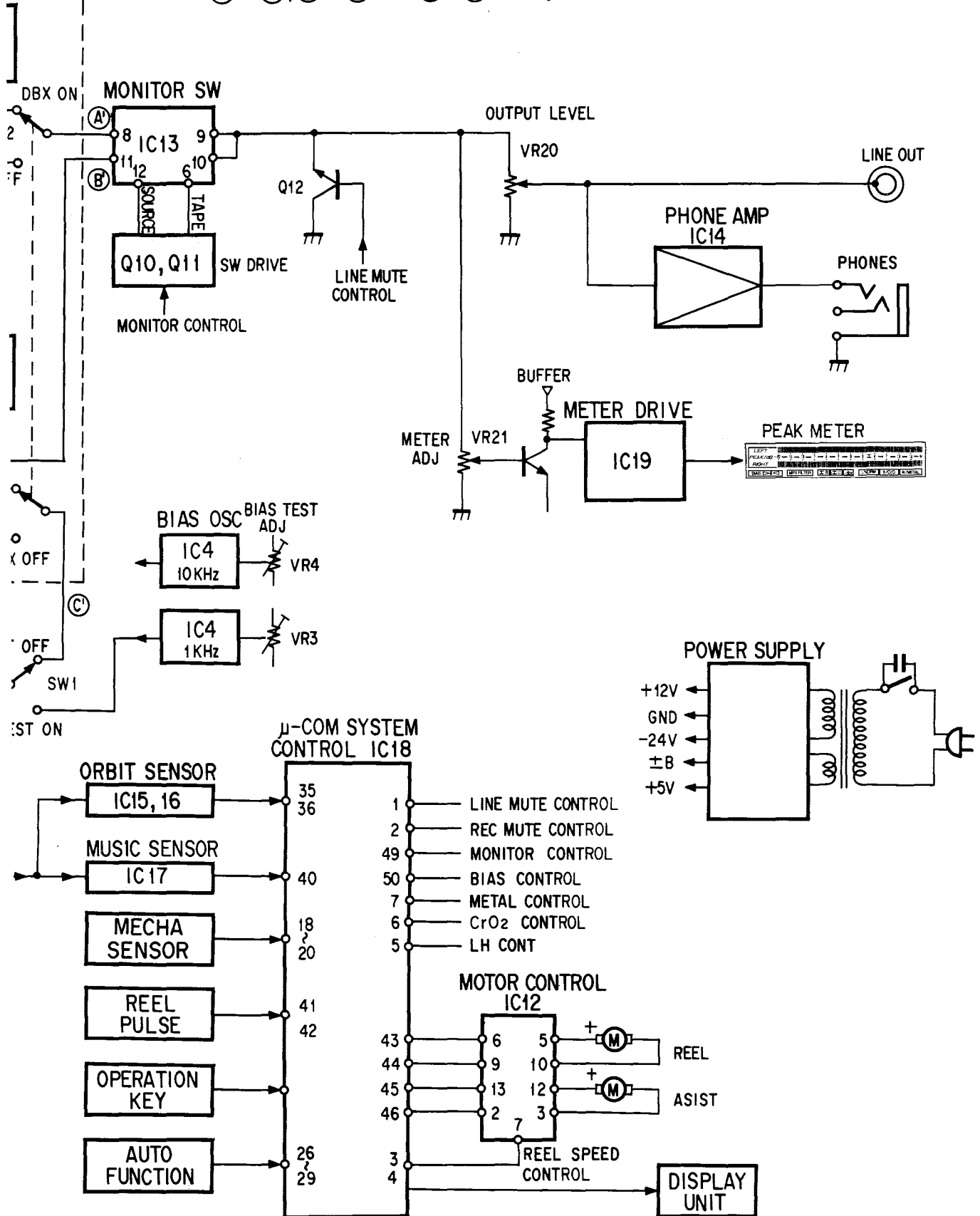
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# ■ BLOCK DIAGRAM



Note: For BG destination models, eliminate these sections and connect (A) - (A'), (B) - (B') and (C) - (C') directly

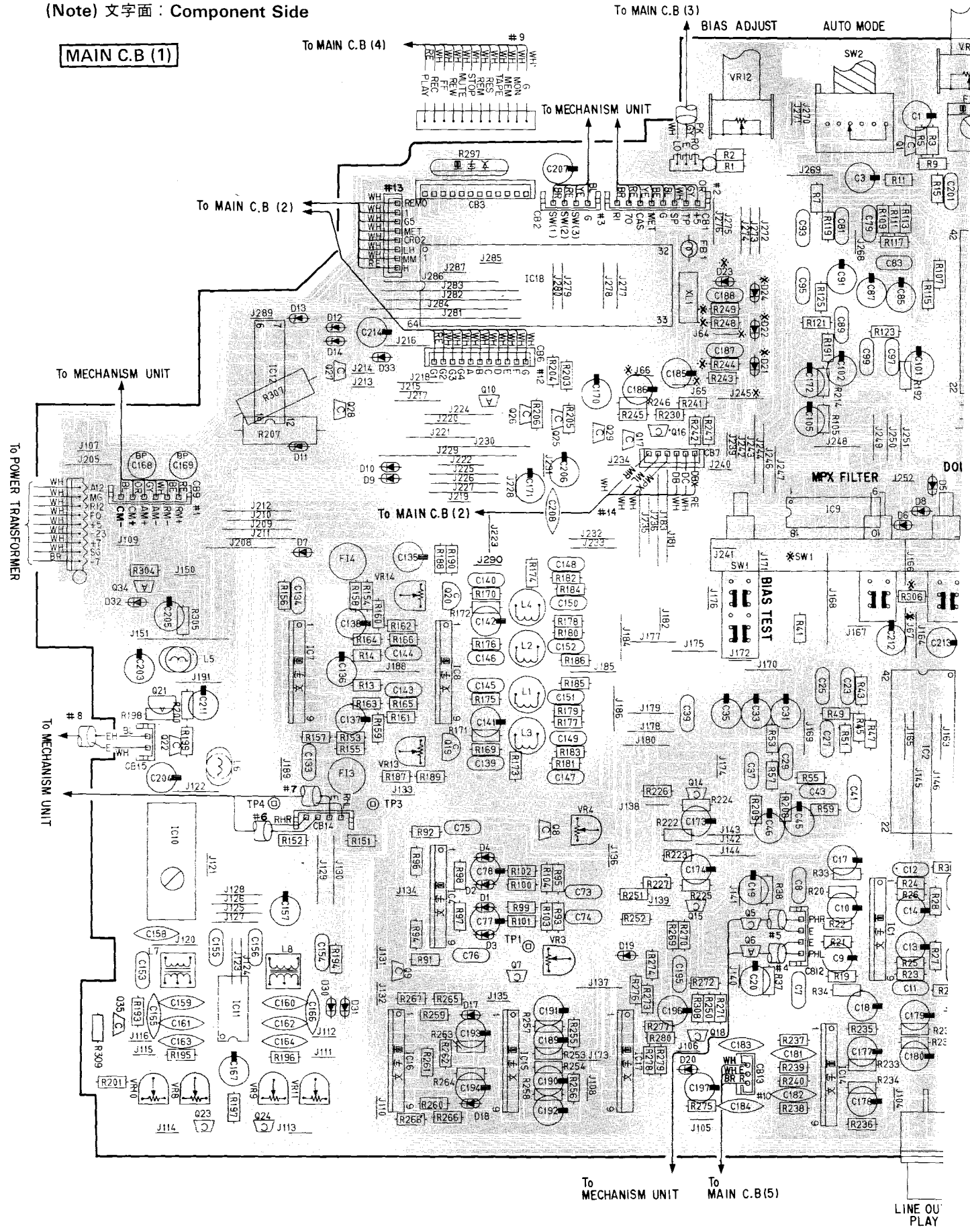


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# PRINTED CIRCUIT BOARD (Pattern Side)

(Note) 文字面 : Component Side

1  
2  
3  
4  
5  
6  
7



MAIN C.B (1)

To MAIN C.B (4)

To MAIN C.B (3)

To MAIN C.B (2)

To MECHANISM UNIT

To POWER TRANSFORMER

To MAIN C.B (2)

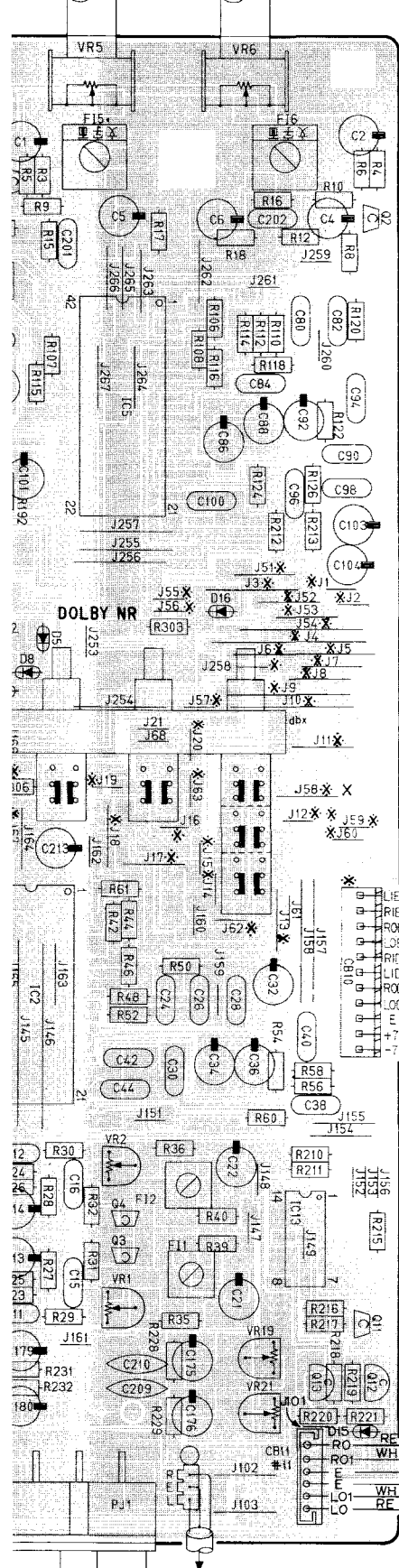
To MECHANISM UNIT

To MECHANISM UNIT

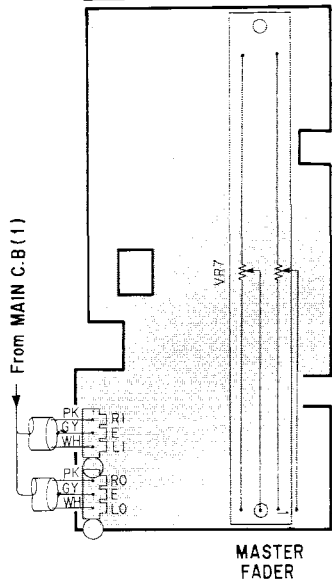
To MAIN C.B (5)

LINE OUT PLAY

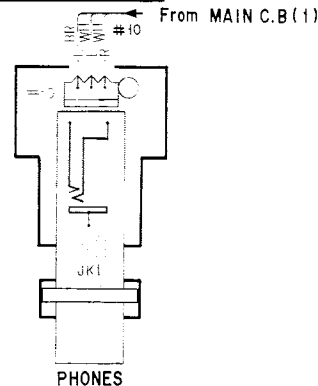
LEFT LIGHT



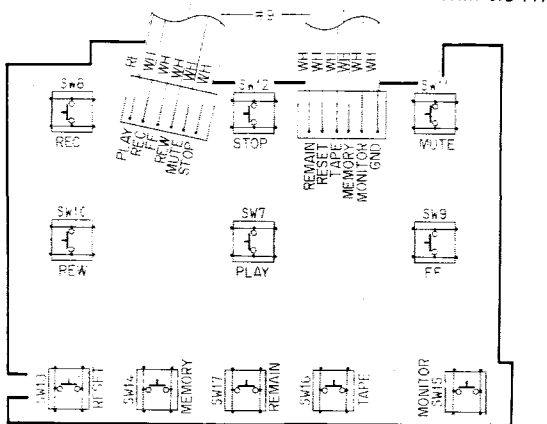
**MAIN C.B (3)**



**MAIN C.B (5)**



**MAIN C.B (4)**

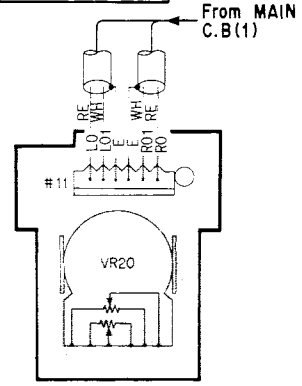


MAIN C.B (7)  
U,C,R,A models

Note: \* marked

	U.C.R.A	B.G
C185,186	1/50	OPEN
R243,248	680	OPEN
D21 ~ 24	1SS133	OPEN
R306	OPEN	10K
J1 ~ 21,258	SHORT	OPEN
J51 ~ 68	OPEN	SHORT
SW 1	VD85190	VD85180
CB10	○	—
R244,249	6.8K	OPEN

**MAIN C.B (6)**

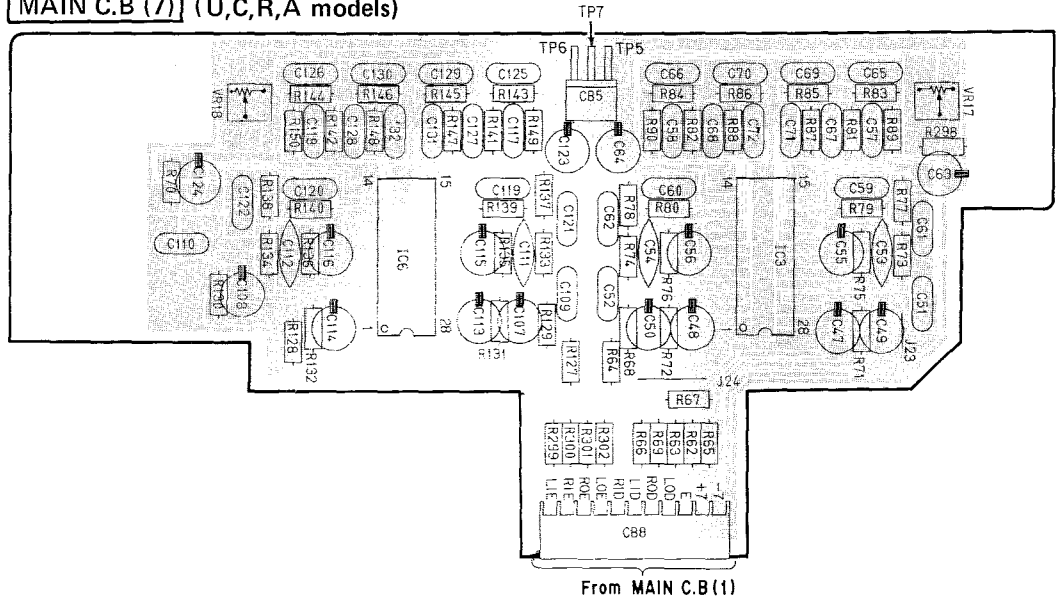


VE OUT PLAY LINE IN REC

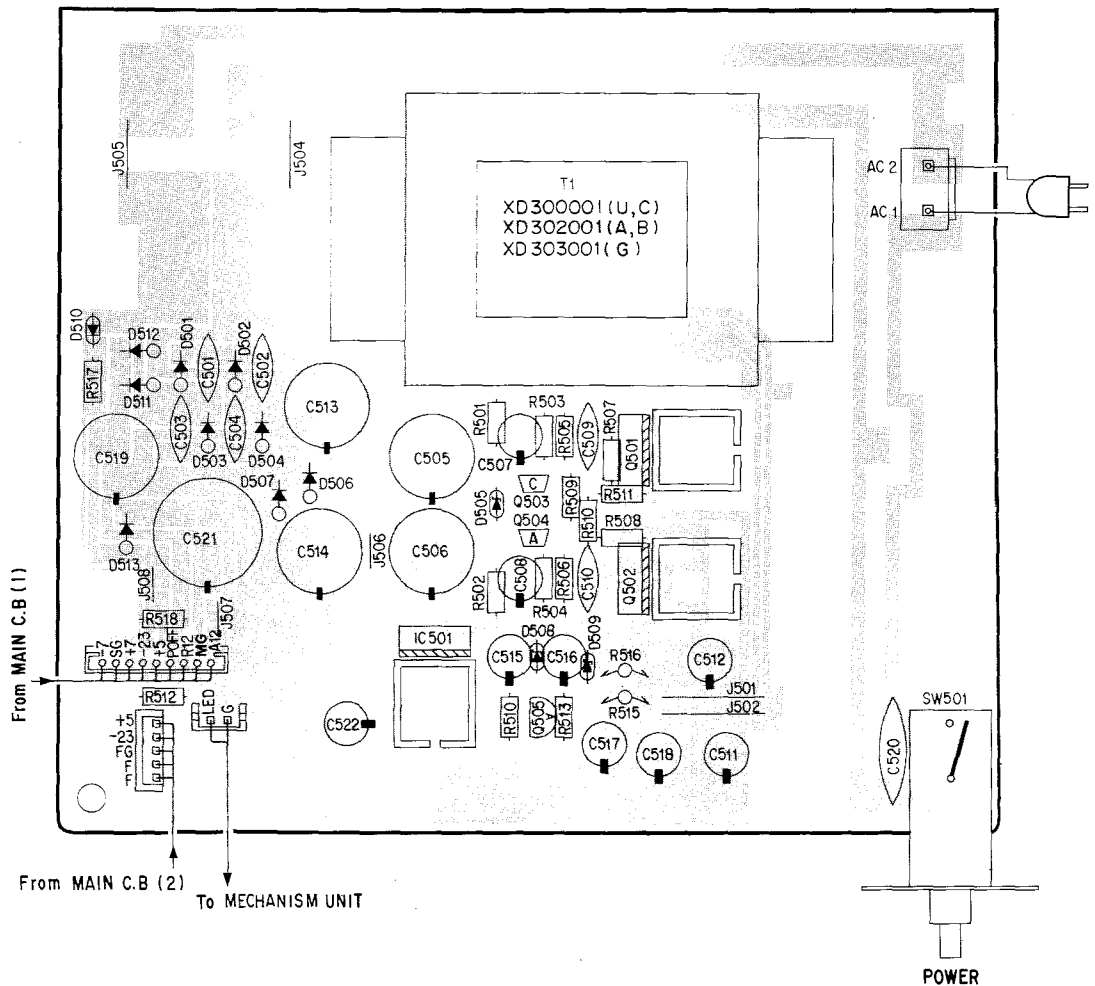
# PRINTED CIRCUIT BOARD (Pattern Side)

(Note) 文字面 : Component Side

## MAIN C.B (7) (U,C,R,A models)

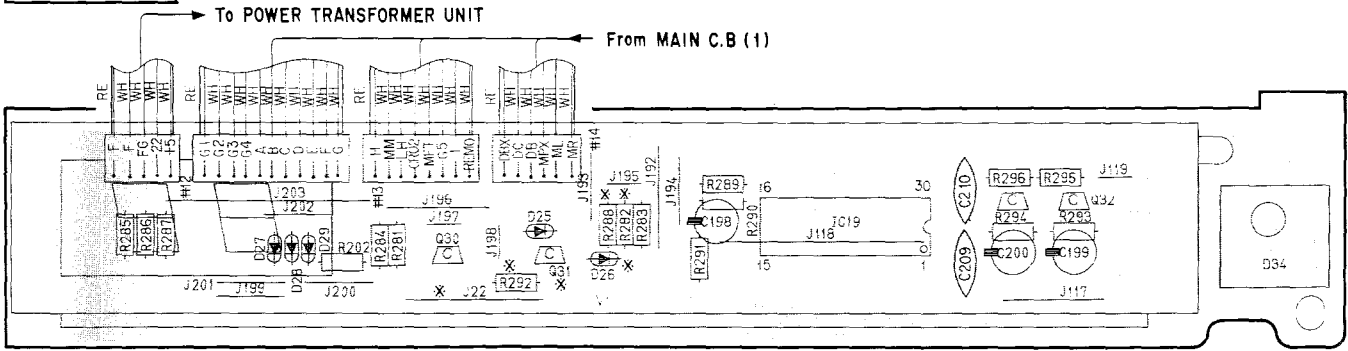


## POWER TRANSFORMER UNIT (U,C,A,B,G models)





### MAIN C.B (2)



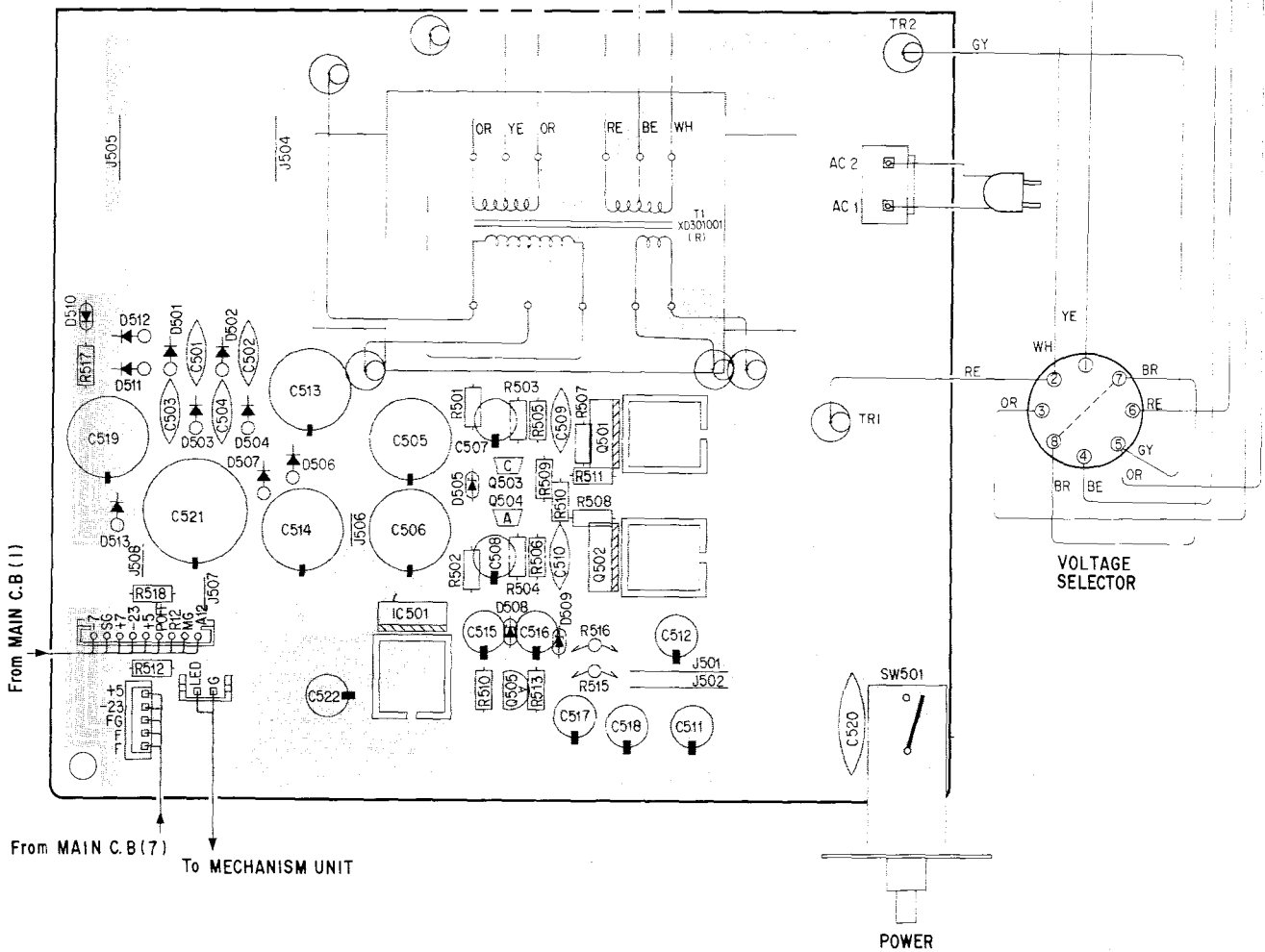
Note: \* marked

	U.C.R.A	B.G
D26	1S5133	OPEN
Q31	2SC2603(E.F) or 2SC1740S(S.R) or 2SC3312(R.S.T)	OPEN
R282, 288	47K	OPEN
R292	100K	OPEN
J22	SHORT	OPEN

Note (V1).... CPF1073GR (U.C.R.A)  
CPF1074GR (B.G)

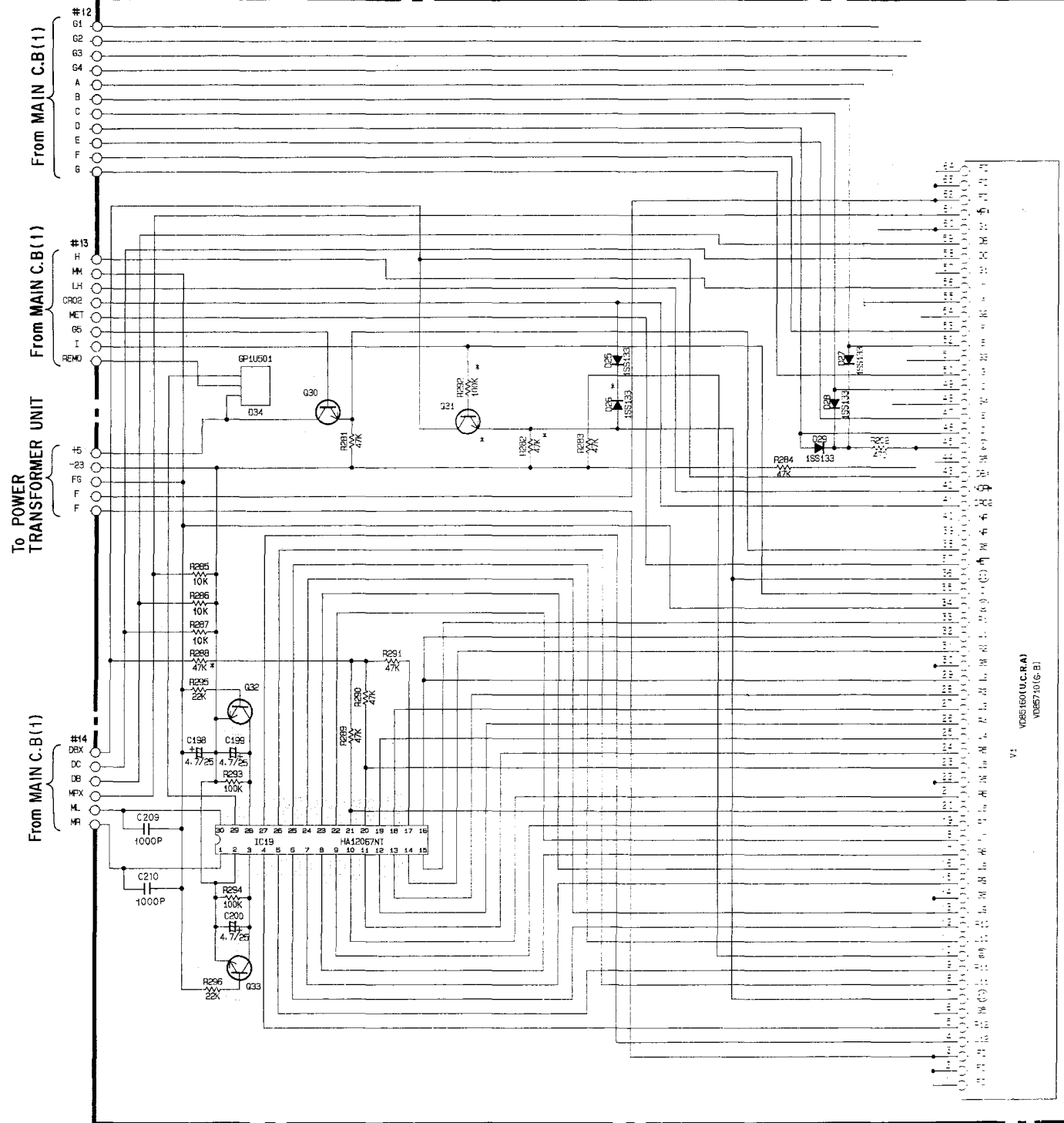
### POWER TRANSFORMER UNIT

(R model)



# SCHEMATIC DIAGRAM

## MAIN C.B(2)



### TRANSISTOR

NPN... 2SA1115 E.F or 2SA933S G.R or 2SA3312 R.S.T  
 PNP... 2SC2603 E.F or 2SC1740S S.R or 2SC3312 R.S.T

### DIGITAL TRANSISTOR

NPN... DTA114ES  
 PNP... DTC114ES

### DIODE

1SS133

### NOTICE

(U)..... U.S.A model  
 (C)..... Canadian model  
 (A)..... Australian model  
 (G)..... European model  
 (B)..... British model  
 (R)..... General model

V1  
 V085160(U.C.R.A)  
 V085710(G.B)

1

2

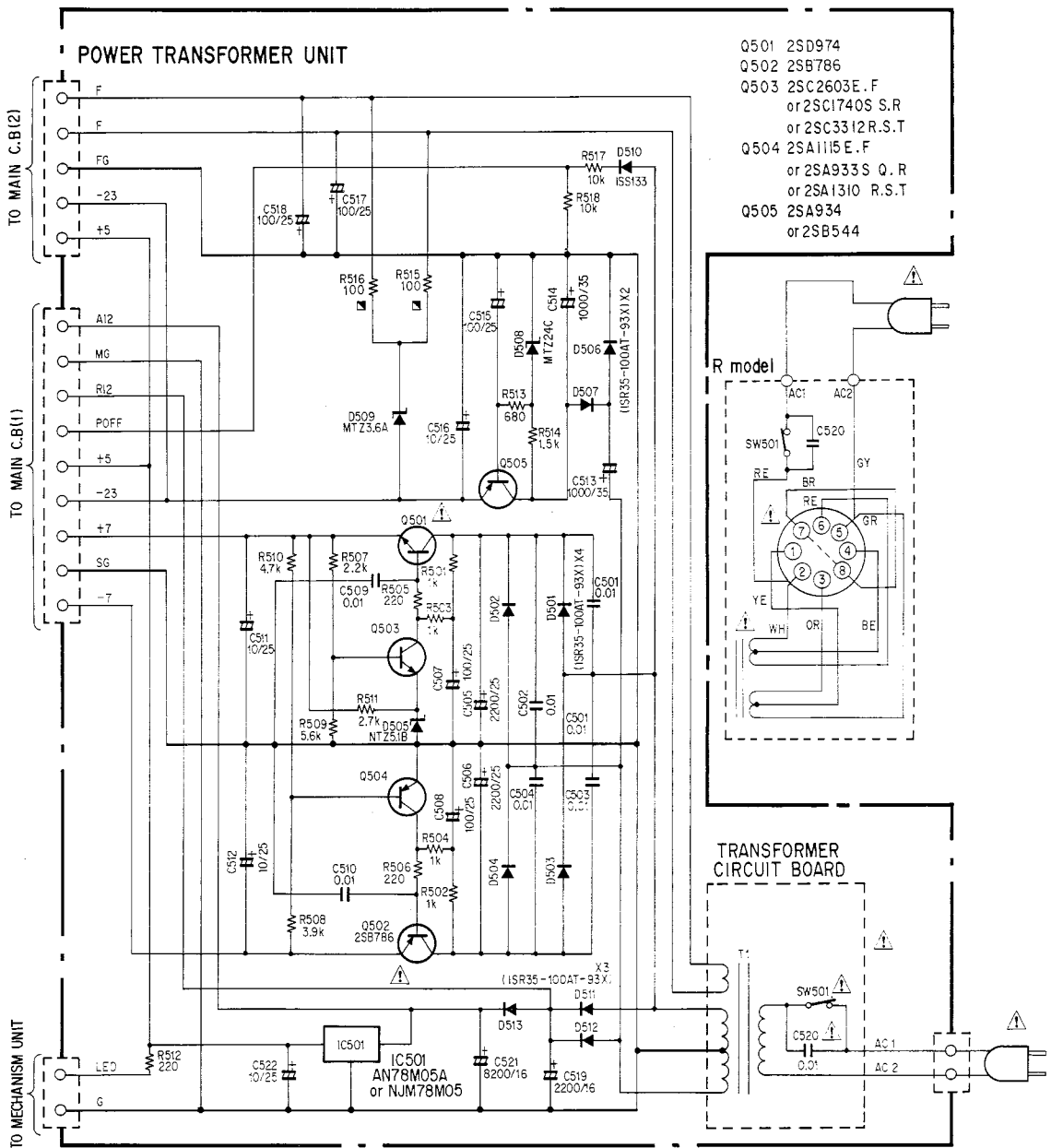
3

4

5

6

7



**RESISTOR**

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR
☑	CARBON FILM RESISTOR (1/6W)
△	METAL OXIDE FILM RESISTOR
▲	METEL FILM RESISTOR
☒	METEL PLATE RESISTOR
▣	FIRE PROOF CARBON FILM RESISTOR
□	SEMENT MOLDED RESISTOR
⊗	SEMI VARIABLE RESISTOR

**CAPACITOR**

REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	⊥
NO MARK	GERAMIC CAPACITOR	
⊙	POLYESTEL FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	⊥
⊖	MICA CAPACITOR	
⊕	POLYPROPYLENE FILM CAPACITOR	
⊗	SEMICONDUCTIVE CERAMIC CAPACITOR	

- \* All voltages are measured with a 10MΩ/DC electric volt meter.
- \* Components having special characteristics are marked △ and must be replaced with parts having specifications equal to those originally installed.
- \* Schematic diagram is subject to change without notice.

# RESISTOR PARTS

Carbon resistors 1/6 W are not included in the ELECTRICAL PARTS list.  
For the parts No. of the carbon resistor, refer to P. 40.

Ref. No.	Part No.	Description	部 品 名		Remarks	Common Model	Markets	ランク
※	NA:09:42:50	Main Circuit Board			メ イ ン シ ー ト		U,C,R,A	
※	NA:09:42:60	〃			〃		B,G	
	FG:21:23:30	Ceramic Cap.	330pF	50V	セ ラ コ ン	C53,54,111,112	U,C,R,A	
	FG:21:21:00	〃	100pF	50V	〃	C181,182		
	FG:11:25:60	〃	560pF	50V	〃	C165,166		
	FG:21:31:00	〃	1000pF	50V	〃	C209,210		
	FG:24:41:00	〃	0.01 $\mu$ F	50V	〃	C163,164,183,184		
	FG:24:42:20	〃	0.022 $\mu$ F	50V	〃	C161,162		
	FG:24:41:50	〃	0.015 $\mu$ F	50V	〃	C159,160		
	FG:24:44:70	〃	0.047 $\mu$ F	50V	〃	C208		
	FH:61:11:00	〃	10pF	500V	〃	C158		
	FA:15:31:00	Mylar Cap.	1000pF	50V	マ イ ラ ー コ ン	C73,75		
	FA:15:32:20	〃	2200pF	50V	〃	C23~26,79~82, 201,202		
	FA:15:33:30	〃	3300pF	50V	〃	C67~70,127~130	U,C,R,A	
	FA:15:33:90	〃	3900pF	50V	〃	C27,28,83,84		
	FA:15:34:30	〃	4300pF	50V	〃	C149~152		
	FA:15:34:70	〃	4700pF	50V	〃	C147,148		
	FA:15:35:60	〃	5600pF	50V	〃	C41,42,97,98		
	FA:15:37:50	〃	7500pF	50V	〃	C143,144		
	FA:15:41:00	〃	0.01 $\mu$ F	50V	〃	C11,12,43,44, 99,100,195		
	FA:15:41:50	〃	0.015 $\mu$ F	50V	〃	C15,16,29,30,89,90		
	FA:15:41:50	〃	0.015 $\mu$ F	50V	〃	C51,52,109,110	U,C,R,A	
	FA:15:41:80	〃	0.018 $\mu$ F	50V	〃	C61,62,121,122	U,C,R,A	
	FA:15:43:30	〃	0.033 $\mu$ F	50V	〃	C74,76		
	FA:15:45:60	〃	0.056 $\mu$ F	50V	〃	C37,38,95,96, 145,146		
	FA:15:46:80	〃	0.068 $\mu$ F	50V	〃	C39,40,93,94		
	FA:15:48:20	〃	0.082 $\mu$ F	50V	〃	C139,140		
	FA:15:51:00	〃	0.1 $\mu$ F	50V	〃	C187,188		
	FA:15:51:00	〃	0.1 $\mu$ F	50V	〃	C57,58,65,66, 117,118,125,126	U,C,R,A	
	FA:15:51:80	〃	0.18 $\mu$ F	50V	〃	C59,60,119,120	U,C,R,A	
	UH:11:81:00	Electrolytic Cap.	100 $\mu$ F	6.3V	ケ ミ コ ン	C211		
	UJ:13:74:70	〃	47 $\mu$ F	16V	〃	C203~205,215		
	UH:13:81:00	〃	100 $\mu$ F	16V	〃	C157,214		
※	VE:01:66:00	〃	220 $\mu$ F	6.3V	〃	C9,10		
※	VE:01:79:00	〃	100 $\mu$ F	16V	〃	C17,18,135,136		
※	VE:01:82:00	〃	4.7 $\mu$ F	25V	〃	C1,2,21,22,137,138		
※	VE:01:83:00	〃	10 $\mu$ F	25V	〃	C3,4,13,14,45,46,101,102		
	UH:14:64:70	〃	4.7 $\mu$ F	25V	〃	C5,6,193,194		
	UH:14:64:70	〃	4.7 $\mu$ F	25V	〃	C49,50	U,C,R,A	
	UH:14:71:00	〃	10 $\mu$ F	25V	〃	C103~105,167,171,172,191, 192,196,206,207,212,213		
	UH:14:72:20	〃	22 $\mu$ F	25V	〃	C141,142,179,180		
	UH:14:72:20	〃	22 $\mu$ F	25V	〃	C47,48,55,56,63,64, 107,108,115,116,123,124	U,C,R,A	
	UW:56:51:50	〃	0.15 $\mu$ F	50V	〃	C33,34,87,88,170		
	UJ:16:52:20	〃	0.22 $\mu$ F	50V	〃	C35,36,91,92		
	UH:16:54:70	〃	0.47 $\mu$ F	50V	〃	C31,32,85,86		
	UH:16:61:00	〃	1 $\mu$ F	50V	〃	C19,20,77,78,173~178, 189,190,197		
	UH:16:61:00	〃	1 $\mu$ F	50V	〃	C185,186	U,C,R,A	
	UH:16:62:20	〃	2.2 $\mu$ F	50V	〃	C113,114	U,C,R,A	
	FM:11:61:00	〃	1 $\mu$ F	50V	BP コ ン	C168,169		
	UM:40:64:70	〃	4.7 $\mu$ F	25V	ケ ミ コ ン	C198~200		
	UT:45:21:00	Polypropylene Film Cap.	100pF	100V	ポ リ プ ロ コ ン	C7,8,153,154		
	UT:45:23:30	〃	330pF	100V	〃	C71,72,131,132	U,C,R,A	

※ New Parts (新規部品)

Ref. No.	Part No.	Description	部 品 名	Remarks	Common Model	Markets	ランク	
	UT 45 24 70	Polypropylene Film Cap.	470pF 100V	ポリプロコン	C133,134,155,156			
	GE 20 05 10	Filter, Dolby		ドルビーフィルター	F15,6			
*	VE 79 74 00	Ferrite Filter	ZBF-503S-01	フェライトフィルター	FBI			
	GE 90 08 70	Bias Trap Coil	105KHz	バイアストラップコイル	F11,2	Inter-changeable		
	GE 90 18 10	//	105KHz	//	//			
	GE 90 04 80	//	105KHz	//	F13,4		Inter-changeable	
	GE 90 07 80	//	105KHz	//	//			
	VA 70 99 00	Step-up Coil	105KHz	ステップアップコイル	L7,8			
	GE 90 16 10	Coil	6.8mH	固定コイル	L1,2			
	GE 90 16 40	//	12mH	//	L3,4			
	GE 90 09 60	//	820μH	//	L5,6			
	VD 82 76 00	Ceramic Resonator	4MHz	セラミック振動子	XL1			
	HL 32 44 70	Metal Oxide Film Resistor	47Ω 2W	酸化金抵抗	R207,307			
	VB 86 11 00	Pre-set Potentiometer	B1KΩ	半固定抵抗	VR10			
	VB 86 12 00	//	B2.2KΩ	//	VR4,11	Inter-changeable		
	VB 86 29 00	//	B2.2KΩ	//	//			
	VB 86 14 00	//	B4.7KΩ	//	VR3,13,14			
	VB 85 97 00	//	B4.7KΩ	//	VR17,18		U,C,R,A	
	VB 86 16 00	//	B22KΩ	//	VR1,2,8,9,19,21			
*	VE 11 14 00	Resistor, Array	10KΩ×8	抵抗アレー	R297			
	VA 87 80 00	Potentiometer Slide	A50KΩ×2	スライドVR	VR7			
	VA 87 79 00	// Rotaly	A5KΩ×2	ロータリーVR	VR20			
*	VD 91 37 00	//	A50KΩ	//	VR5,6			
*	VD 91 38 00	//	A2KΩ	//	VR12			
	iC 26 03 10	Transistor	2SC2603(E,F)	トランジスター	Q31	Inter-changeable	U,C,R,A	
	iC 17 40 00	//	2SC1740S(S,R)	//	//			U,C,R,A
	iC 33 12 00	//	2SC3312(R,S,T)	//	//			U,C,R,A
	iC 26 03 10	//	2SC2603(E,F)	//	Q1,2,5,11,14~17,22,25,26,30,32,33	Inter-changeable		
	iC 17 40 00	//	2SC1740S(S,R)	//	//			
	iC 33 12 00	//	2SC3312(R,S,T)	//	//			
	iA 11 15 10	//	2SA1115(E,F)	//	Q6,34	Inter-changeable		
	iA 09 33 00	//	2SA933S(Q,R)	//	//			
	iA 13 10 00	//	2SA1310(R,S,T)	//	//			
	iA 09 34 00	//	2SA934	//	Q21	Inter-changeable		
	iB 05 44 10	//	2SB544	//	//			
	iD 06 55 10	//	2SD655(E,F)	//	Q12,13,19,20	Inter-changeable		
	iD 13 02 00	//	2SD1302(R,S)	//	//			
	VA 71 00 00	//	2SD1468(Q,R,S)	//	//			
	VD 67 85 00	Digital Transistor	DTA114ES	デジタルトランジスター	Q10			
	VD 67 87 00	//	DTC114ES	//	Q3,4,7~9,18,23,24,27~29,35			
	iF 00 34 50	Diode	1SS133	ダイオード	D1~10,15~20,25,27~33			
	iF 00 34 50	//	1SS133	//	D21~24,26		U,C,R,A	
	iF 01 06 60	Zener Diode	MTZ4.7B	ツェナーダイオード	D14			
	iF 01 07 40	//	MTZ6.2B	//	D12			
	iF 01 08 70	//	MTZ9.1C	//	D11,13			

KX-800/800U

\*New Parts (新規部品)

KX-800/800U

Ref. No.	Part No.	DesCription	部 品 名	Remarks	Common Model	Markets	ランク
	VD 85 31 00	Remote Control Receptor	GPU501	リモコン受光ユニット	D34		
	iG 03 47 00	IC	AN6551	I C	IC4,15~17 } Inter-changeable		
	iG 07 68 00	//	NJM4558S	//			
	iG 13 22 00	//	BA715	//			
	iG 07 74 10	//	NJM4556S-A	//		IC7,8,14	
	iG 08 29 00	//	NJM2043S-D	//		IC1	
	XD 08 40 01	//	MN4066B	//	IC13		
	iG 06 16 00	//	#PD4066BC	//	//	Inter-changeable	
	iG 08 92 00	//	LC4066B	//	//		
	iG 11 05 00	//	M4066BP	//	//		
	XD 14 80 01	//	BU4066B	//	//		
	XA 30 00 01	//	#PC1297CA	//	IC11		
	XC 77 10 01	//	CX20188	//	IC2,5		
	XA 29 90 01	//	LB1649	//	ICi2		
	iG 14 60 00	//	HA12067NT	//	IC19		
	XC 84 40 01	//	AN6294NK	//	IC3,6	U,C,R,A	
	iG 08 99 00	Transistor. Array	AN90B20	トランジスターアレー	IC9		
※	XD 30 40 02	IC	LC6554H-3451	I C	IC18		
※	VE 04 07 00	Bias OSC Block		バイアスOSCブロック	IC10		
※	VD 85 16 00	Display Tube	CPF1073GR	蛍光表示管	VI	U,C,R,A	
※	VD 85 17 00	//	CPF1074GR	//	//	B,G	
※	VD 85 19 00	Switch. Push		プッシュスイッチ	SW1	U,C,R,A	
※	VD 85 18 00	//		//	//	B,G	
	KA 90 63 50	Switch	KHH10902	タクトスイッチ	SW7~17	Inter-changeable	
	KA 90 63 80	//	SMEVQ-QRB-04M	ライトタッチスイッチ	//		
	KA 50 19 60	Switch, Rotary	SBU-2-5	ロータリースイッチ	SW2		
	LB 30 16 90	Headphone Jack		ヘッドホンジャック	JK1		
	LB 40 10 50	Pin Jack	4P	ピンジャック	PJ1		
	VD 65 04 00	Base Pin	2P	i-Type	ベースピン		
	VD 65 05 00	//	4P	i-Type	//		
	VD 65 06 00	//	6P	i-Type	//		
※	VC 01 52 00	//	8P	i-Type	//		
※	VD 00 49 00	//	6P	//	//		
※	LB 02 31 10	SQ Connector	11P	SSQ-11	S Q コネクター	U,C,R,A	
	LB 30 07 50	Base Pin	SEBS3P-SHF		ベースピン	U,C,R,A	
※	LB 60 78 80	//	TEB11P-SHF		//	U,C,R,A	
※	LB 94 50 30	Short Plug	3P	i-Type	ショートプラグ		
	LB 94 20 60	Pin Block	6P	i-Type	ピンブロック		
	LB 94 20 80	//	8P	i-Type	//		
	LB 94 21 10	//	11P	i-Type	//		

※New Parts (新規部品)

Ref. No.	Part No.	Description	部品名		Remarks	Common Model	Markets	ランク
※	LB 94 21 20	Pin Block	I2P	i-Type	ピンブロック			
※	VD 94 07 00	Holder, Potentiometer			V Rホルダー			
※	VD 94 08 00	Lens, Filter			フィルターレンズ			
※	VD 94 09 00	Holder, Display			表示管ホルダー			
	CB 60 56 20	Plastic Rivet			プラスチックリベット			
※	NA 09 57 00	<b>Power Transformer Unit</b>			パワートランスユニット		U,C	
※	NA 09 57 10	〃			〃		R	
※	NA 09 57 20	〃			〃		A,B	
※	NA 09 57 30	〃			〃		G	
	FG 24 41 00	Ceramic Cap.	0.01 $\mu$ F (Z)	55V	セラコン	C501~504,509,510		
	UH 14 71 00	Electrolytic Cap.	10 $\mu$ F	25V	ケミコン	C511,512,516,522		
	UH 14 81 00	〃	100 $\mu$ F	25V	〃	C507,508,515,517,518		
	UH 13 91 00	〃	1000 $\mu$ F	16V	〃	C519		
	UJ 14 92 20	〃	2200 $\mu$ F	25V	〃	C505,506		
	UH 15 91 00	〃	1000 $\mu$ F	35V	〃	C513,514		
	Ui 93 98 20	〃	8200 $\mu$ F	16V	〃	C521		
	HV 45 51 00	Flame Proof Carbon Resistor	100 $\Omega$	1/4W	不燃化カーボン抵抗	R515,516		
	iA 11 15 10	Transistor	2SA1115 (E,F)		トランジスター	Q504		
	iA 09 33 70	〃	2SA933S (Q,R)		〃	〃 Inter-changeable		
	iA 13 10 00	〃	2SA1310 (R,S,T)		〃	〃		
	iC 26 03 10	〃	2SC2603 (E,F)		〃	Q503		
	iC 17 40 00	〃	2SC1740S (S,R)		〃	〃 Inter-changeable		
	iC 33 12 00	〃	2SC3312 (R,S,T)		〃	〃		
	iA 09 34 00	〃	2SA934		〃	Q505 Inter-changeable		
	iB 05 44 10	〃	2SB544		〃	〃		
	iB 07 86 00	〃	2SB786		〃	Q502		
	iD 09 47 00	〃	2SD947		〃	Q501		
	iF 00 34 50	Diode	1SS133		ダイオード	D510		
	iF 00 84 80	〃	1SR35-100AT		〃	D501~504,506,507,511~513		
	iF 01 06 00	Zener Diode	MTZ3.9B		ツェナーダイオード	D509		
	iF 01 06 90	〃	MTZ5.1B		〃	D505		
	iF 00 90 90	〃	MTZ24C		〃	D508		
	iG 07 56 00	IC	NJM78M05A		I C	IC501		
	KA 80 51 50	Switch, Power	ESB8215V-F		パワースイッチ	SW501		
	LB 92 50 90	Short Plug	9P	i-Type	ショートプラグ			
	LB 94 20 50	Pin Block	5P	i-Type	ピンブロック			
	VD 65 04 00	Base Pin	2P	i-Type	ベースピン			
※	VE 22 57 00	Post	2P		ベース付きポスト			
	BA 08 40 00	Heat Sink			放熱板	K-1000		
※	XD 30 00 01	Power Transformer			電源トランス		U,C	
※	XD 30 10 01	〃			〃		R	
※	XD 30 20 01	〃			〃		A,B	

※New Parts (新規部品)







Ref. No.	Part No.	Description	部 品 名	Remarks	Common Model	Markets	ランク
※	1	VE 03 53 00	Tape Mechanism Unit	テープメカユニット	Black		
※	//	VE 03 54 00	//	//	Silver		
	1-1	VE 14 50 00	Mechanism Unit	メカユニット			
※	1-2	VD 94 13 00	Sub Panel	サブパネル	Silver		
※	//	VD 94 14 00	//	//	Black		
	1-3	CB 60 98 80	Guide (R) Cassette	カセットガイド R		K-10	
	1-4	CB 62 85 70	// (L) //	// L		K-520	
※	2	VE 03 55 00	Panel Unit	パネルユニット	Black		R,A
※	//	VE 03 56 00	//	//	Black		U,C
※	//	VE 03 57 00	//	//	Black		B,G
※	//	VE 03 58 00	//	//	Silver		R,A
※	//	VE 03 59 00	//	//	Silver		U,C
※	//	VE 03 60 00	//	//	Silver		B,G
	2-1	CB 63 63 70	Button, Eject	イジェクトボタン	Silver	K-1020	
	//	CB 63 63 80	//	//	Black	K-1020	
	2-2	AA 62 89 60	Spring, Eject	イジェクトスプリング		K-540	
	2-3	VA 85 24 00	Knob	ノブ	Silver MASTER FADER	K-540	
	//	VA 85 25 00	//	//	Black MASTER FADER	K-540	
	2-4	CB 63 64 30	Slider	スライダ		K-1020	
	2-5	AA 62 89 50	Shaft 4 × 87	シャフト		K-540	
	2-6	CB 06 88 80	Plastic Rivet	プラスチックリベット			
	2-7	Ei 03 01 06	Binding Head Tapping Screw 3 × 10 ZMC 2-Y	バインドタッピングネジ	PACK		
※	3	NA 09 42 50	Main Circuit Board	メインシート			U,C,R,A
※	//	NA 09 42 60	//	//			B,G
※	4	NA 09 57 00	Power Transformer Unit	パワートランスユニット			U,C
※	//	NA 09 57 10	//	//			R
※	//	NA 09 57 20	//	//			A,B
※	//	NA 09 57 30	//	//			G
	5	CB 61 68 10	Cord Stopper CM-22A	コードストッパー			U,C
	//	CB 62 01 90	// CM-22B	//			R,A,B,G
※	6	VE 64 00 00	Power Cord Ass'y	電源コード Ass'y			U,C
※	//	VE 04 26 00	//	//			R
※	//	VE 04 29 00	//	//			A
※	//	VE 04 31 00	//	//			B
※	//	VE 04 34 00	//	//			G
	7	NB 63 05 30	Chassis	シャーシ		K-340	U,C,A,B,G
	//	NB 63 05 50	//	//		K-340	R
	8	CB 63 42 80	Rod, Power	ロッド P		K-220	
	9	CB 63 67 50	Button, Power	パワーボタン	Silver	CD-X2	
	//	CB 65 20 60	//	//	Black	LV-XI	
	10	CB 66 21 50	Knob, Switch	スイッチノブ	Silver	KX-200	
	//	CB 63 42 70	//	//	Black	K-720	
	11	CB 62 60 30	Knob	ノブ	Silver	K-520	
	//	CB 62 60 40	//	//	Black		
※	12	VD 63 65 00	Rod	ロッド			
※	13	VE 01 25 00	Button 3 × 14	ボタン	Silver		
	//	CB 66 07 90	// 3 × 14	//	Black	AX-900	
	14	CB 62 52 50	Lid Cover	リッドカバー		K-17	
※	15	VD 63 66 00	Sub Panel, Lid	リッドサブパネル	Silver		
※	//	VD 63 67 00	//	//	Black		
※	16	VD 63 62 00	Top Cover	トップカバー	Silver		
	//	VD 63 63 00	//	//	Black		

※New Parts (新規部品)

Ref. No.	Part No.	Description	部 品 名	Remarks	Common Model	Markets	ランク
17	VE 00 99 00	P.C.B. Support	P. C. B サポート			U,C,R,A	
18	CB 06 88 80	Plastic Rivet	プラスチックリベット			R	
19	CB 60 14 20	//	//				
20	CB 60 56 20	//	//				
21	Ei 03 01 06	Binding Head Tapping Screw	3 × 10 ZMC2-Y	バインドタッピングネジ	PACK		
22	Ei 33 00 86	//	3 × 8 FCRM3-BI	//	PACK		
23	EA 02 60 66	Pan Head Screw	2.6 × 6 ZMC2-Y	ナベ小ネジ	PACK		
24	Ei 33 01 06	Binding Head Tapping Screw	3 × 10 ZMC2-BL	バインドタッピングネジ	PACK		
25	EK 13 00 20	BW Head Screw	4 × 8 FNM3-3g	BWヘッド小ネジ	Silver		
//	EK 36 50 40	//	4 × 8 FCM3-BL	//	Black		
26	LB 20 14 80	Voltage Selector	電圧切換器			R	
		Accessories	付 属 品				
	Mi 06 62 10	Pin Cord	ピンコード				
	VD 35 52 00	Remote Control Transmitter	RS-K12	リモートコントロールトランスミッター	Black		
	VD 35 51 00	//	RS-K12	//	Silver		
		Dry Cell	AA,R06	単三乾電池			

KX-800/800U

\*New Parts (新規部品)

# MECHANISM EXPLODED VIEW

1

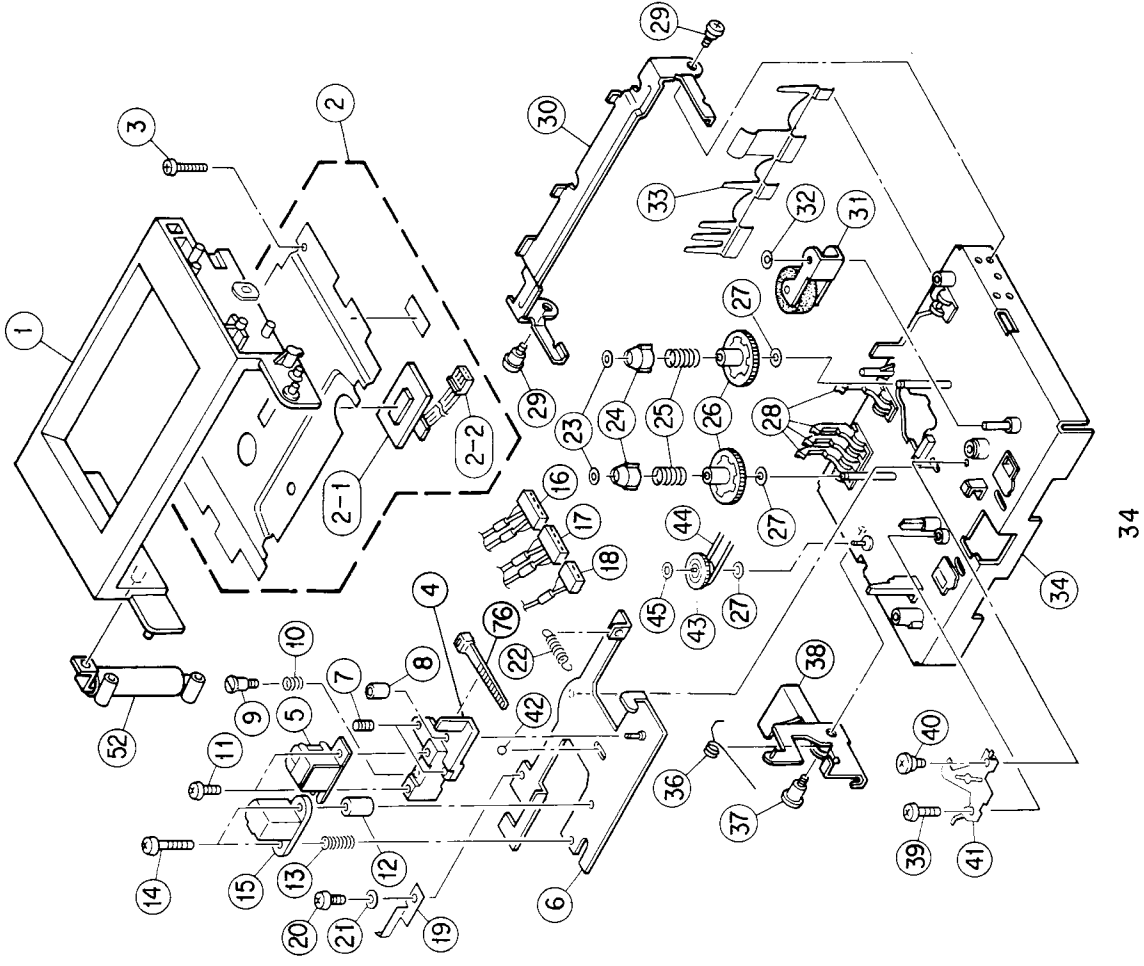
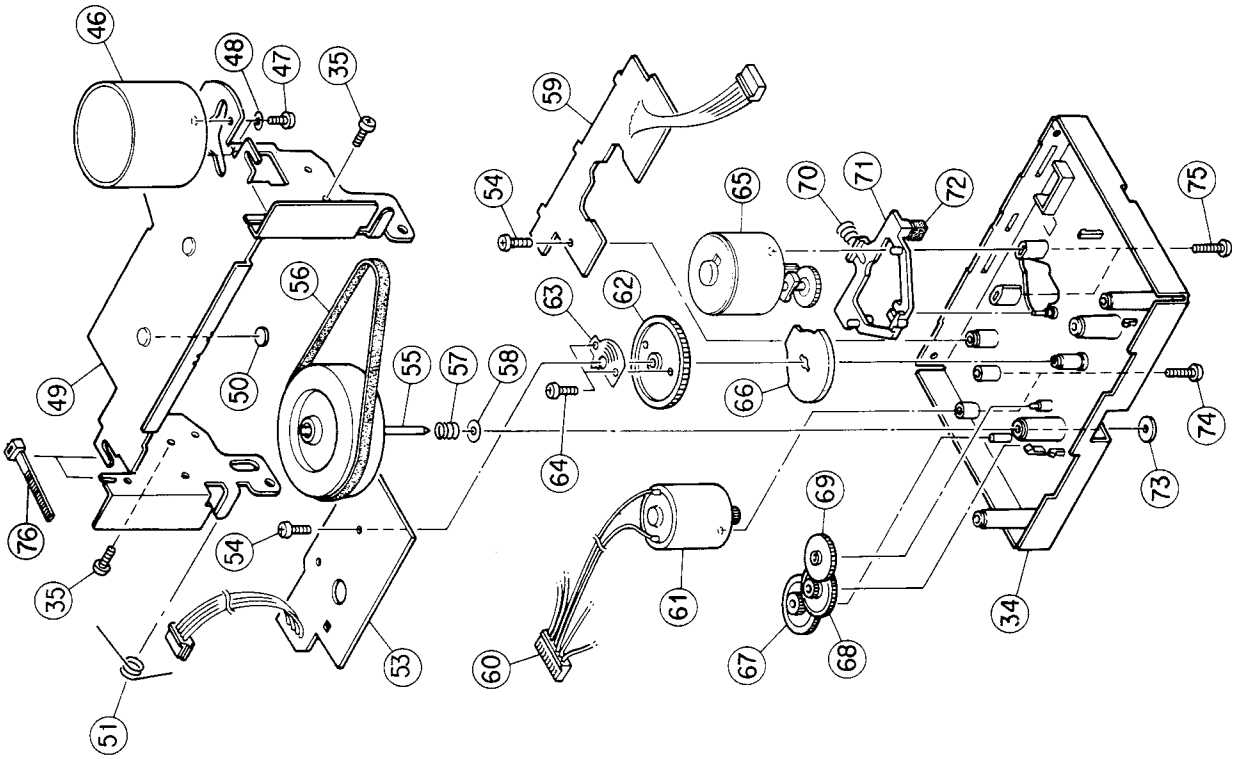
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# MECHANICAL PARTS

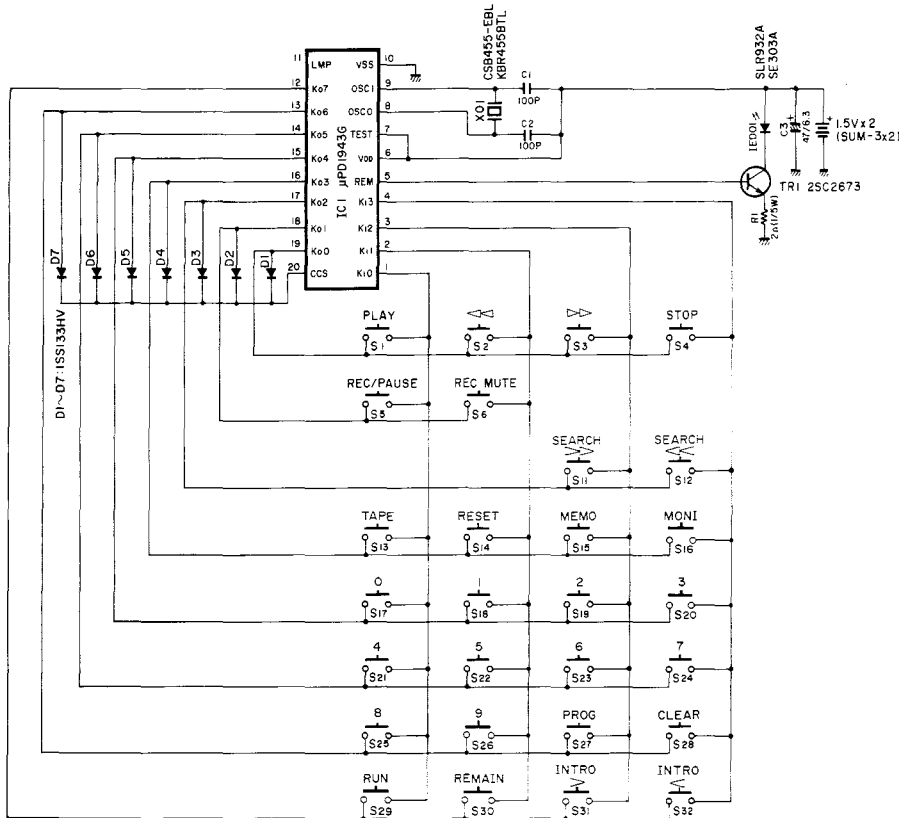
Ref. No.	Part No.	Description	部 品 名	Remarks	Common Model	Markets	ランク
	VE 14 50 00	Cassette Mechanism	カセ ッ ト メ カ				
1	XX 67 42 00	Cassette Holder	カセ ッ ト ホ ル ダ ー		K-540		
※	2	XX 69 62 10	Blind Plate Ass'y	カ ク シ 板 Ass'y			
	2-1	XX 67 42 20	LED	SLF-301C	L E D	K-540	
※	2-2	XX 69 62 20	Connector	2P	コ ネ ク タ ー		
	3	XX 67 46 90	Special Screw		ナ ベ S タ イ ト	PACK	
※	4	XX 69 62 30	Head Base Plate		ヘ ッ ド ベ ー ス		
	5	XX 64 14 30	REC/PLAYBACK Head		録 音 ヘ ッ ド	KX-1200	
※	6	XX 69 62 40	Head Block		ヘ ッ ド 台 座		
	7	XX 64 06 90	Screw		止 メ ネ ジ		
	8	XX 64 06 80	Nut, Adjustment		調 整 ナ ッ ト	K-1020	
	9	XX 64 07 00	Screw Shaft		軸	K-1020	
	10	XX 64 07 10	Coil Spring		圧 縮 コ イ ル バ ネ	K-1020	
※	11	XX 69 64 00	SW Pan Head Screw	M2×4	ナ ベ 小 ネ ジ	PACK	
※	12	XX 69 62 50	Spacer		ス ペ ー サ ー		
※	13	XX 69 62 60	Coil Spring		圧 縮 コ イ ル バ ネ		
	14	ED 02 01 26	Binding Head Screw	M2×12 ZMC2-Y	バ イ ン ド 小 ネ ジ	PACK	
	15	XX 67 42 60	Erase Head		消 去 ヘ ッ ド	K-540	
※	16	XX 69 62 70	Connector	4P	コ ネ ク タ ー		
※	17	XX 69 62 80	//	4P	//		
※	18	XX 69 62 90	//	2P	//		
※	19	XX 69 63 00	Stopper		ス ト ッ パ ー		
※	20	XX 69 64 10	Pan Head Screw	M2×2	ナ ベ 小 ネ ジ	PACK	
	21	XX 65 33 70	Washer	φ2.1×φ4.4×t0.5	ワ ッ シ ャ ー		
	22	XX 64 08 40	Coil Spring		引 張 コ イ ル バ ネ	K-1020	
	23	XX 64 12 10	Washer	φ1.8×φ3.2×t0.5	ワ ッ シ ャ ー	K-1020	
	24	XX 67 43 20	Reel		リ ー ル 爪	K-540	
	25	XX 67 43 30	Spring		圧 縮 バ ネ	K-540	
	26	XX 67 43 40	Reel Base Ass'y		リ ー ル 台 Ass'y	K-540	
	27	XX 64 03 60	Washer	φ2.1×φ4.5×t0.1	ワ ッ シ ャ ー	K-720	
	28	XX 67 43 50	Switch Lever Ass'y		SW レ バ ー Ass'y	K-540	
	29	XX 67 43 60	Shaft		軸	K-540	
	30	XX 67 43 70	Release Arm		解 除 ア ー ム	K-540	
	31	XX 64 08 30	Pinch Roller Ass'y		ピ ン チ ロ ー ラ Ass'y		
	32	XX 64 03 40	Washer	φ2.7×φ6.0×t0.5	ワ ッ シ ャ ー	K-720	
	33	XX 67 43 90	Spring		戻 し バ ネ	K-540	
※	34	XX 69 63 10	Chassis		シ ャ ー シ		
	35	EA 02 60 46	Pan Head Screw	M2.6×4	ナ ベ 小 ネ ジ	PACK	
	36	XX 67 44 10	Coil Spring		コ イ ル バ ネ	K-540	
	37	XX 67 44 20	Shaft		軸	K-540	
	38	XX 67 44 30	Lock Lever Ass'y		ロ ッ ク レ バ ー Ass'y	K-540	
	39	EA 02 60 86	Pan Head Screw	M2.6×8	ナ ベ 小 ネ ジ	PACK	
※	40	XX 69 63 20	Screw	M2	段 付 デ ル タ イ ト ネ ジ		
※	41	XX 69 63 30	Head Base Holder Plate		ヘ ッ ド ベ ー ス 押 え 板		
	42	EZ 00 15 30	Steel Ball	φ2	ス テ ー ル ボ ー ル		
	43	XX 64 09 20	Pully Ass'y		プ ー リ ー Ass'y	K-1020	
	44	XX 64 09 10	Belt		角 ベ ル ト	K-1020	
	45	XX 64 03 30	Washer	φ1.8×φ3.8×t0.5	ワ ッ シ ャ ー		
※	46	XX 69 63 40	Motor, Capstan Ass'y		キャプスタンモーター Ass'y		
	47	XX 62 36 30	Pan Head Screw	2.5×3.5	ナ ベ 小 ネ ジ		
	48	EV 30 02 66	Spring Washer	φ2.6	ス プ リ ン グ ワ ッ シ ャ ー	PACK	
	49	XX 67 44 60	Motor Bracket		モ ー タ ー ブ ラ ケ ッ ト	K-540	

※NeW Parts (新規部品)



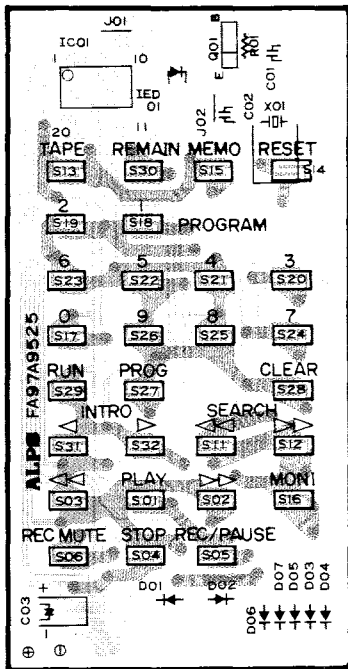
# REMOTE CONTROL TRANSMITTER

## • SCHEMATIC DIAGRAM

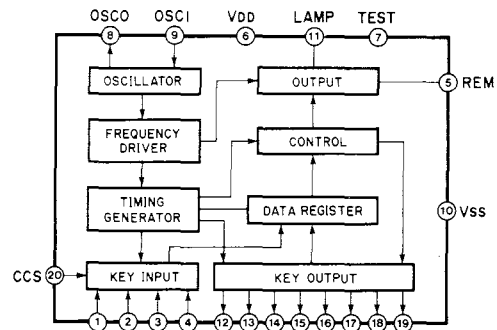
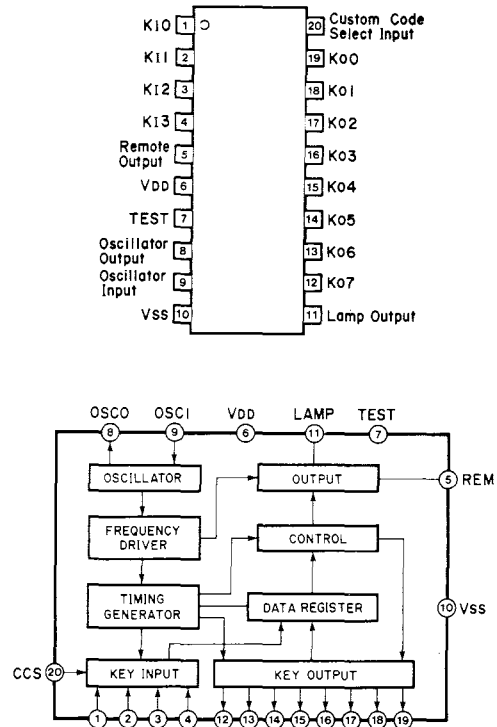


FUNCTION	DATA CODE
PLAY	00
◀◀	01
▶▶	02
STOP	03
REC/PAUSE	04
REC/MUTE	05
SEARCH▶▶	0A
SEARCH◀◀	0B
TAPE	0C
RESET	0D
MEMO	0E
MONI	0F
0	10
1	11
2	12
3	13
4	14
5	15
6	16
7	17
8	18
9	19
PROG	1A
CLEAR	1B
RUN	1C
REMAIN	1D
INTRO▶	1E
INTRO◀	1F
CUSTOM CODE	
7F	

## • PRINTED CIRCUIT BOARD (Pattern Side)

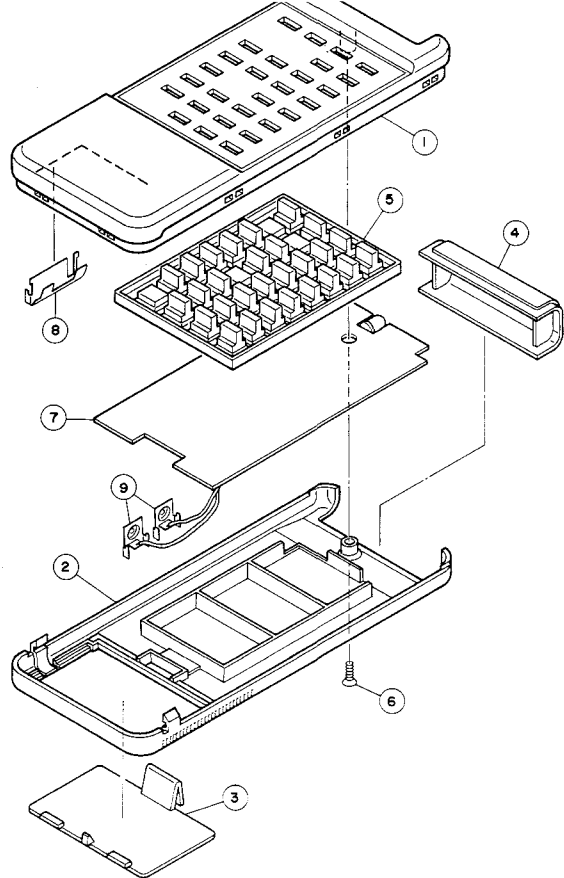


## • IC1: µPD1943G



● EXPLODED VIEW

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KX-800/800U

Ref. No.	Part No.	Description	部 品 名	Remarks	Common Model	Markets	ランク
	VD 35 52 00	Remote Control Transmitter	RS-K12	リモートコントロールトランスミッター	Black		
	VD 35 51 00	//	//	//	Silver		
1	CX 60 11 60	Case (A)		ケース ( A )	Black		
//	CX 60 11 50	//		//	Silver		
2	XX 67 16 20	Case (B)		ケース ( B )	Black		
//	XX 67 17 10	//		//	Silver		
3	XX 67 16 30	Case (C)		ケース ( C )	Black		
//	XX 67 17 20	//		//	Silver		
4	XX 67 16 40	Filter		フィルタ			
5	CX 60 11 80	Rubber Contact		ゴム接点	Black		
//	CX 60 11 70	//		//	Silver		
6	XX 67 16 60	Flat Head Screw		皿小ネジ	Black		
//	XX 67 17 50	//		//	Silver		
7	NX 60 05 60	P.C. Board Ass'y		プリント基盤 Ass'y			
8	XX 67 16 80	Dry Cell Terminal (A)		電池電極板 ( A )			
	NX 60 05 60	P.C. Board Ass'y		プリント基盤 Ass'y			
	iX 60 16 00	IC	μPD1943G	I C ICI			
	QX 60 00 40	Ceramic Resonator	KBR455BTL	セラミック振動子	X1		
	FG 21 21 00	Ceramic Cap.	100pF 50V	セラコン	C1, 2		
	UJ 11 74 70	Electrolytic Cap.	47μ 6.3V	ケミコン	C3		
	iC 26 73 00	Transistor	2SC2673	トランジスタ	Q1		
	HX 60 14 00	Carbon Resistor	2Ω 1/4W	カーボン抵抗	R1		
	iX 60 36 00	IED	SLR-932A	I E D IED1			
	iF 00 34 50	Diode	ISS133	ダイオード	D1~7		
9	XX 67 16 90	Dry Cell Terminal (B)		電池電極板 ( B )			

※New Parts (新規部品)

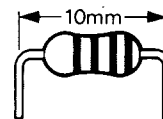


# Parts List for Carbon Resistor

Value	1/4W Type Part No.	1/6W Type Part No.	Value	1/4W Type Part No.	1/6W Type Part No.
1.0 Ω	HJ353100	HF853100	12K Ω	HJ357120	HF857120
1.8 "	HJ353180	*	15 "	HJ357150	HF857150
2.2 "	HJ353220	HF853220	18 "	HJ357180	HF857180
3.3 "	HJ353330	HF853330	22 "	HJ357220	HF857220
4.7 "	HJ353470	HF853470	27 "	HJ357270	HF857270
5.6 "	HJ353560	HF853560	33 "	HJ357330	HF857330
10 "	HJ354100	HF854100	39 "	HJ357390	HF857390
15 "	HJ354150	HF854150	47 "	HJ357470	HF857470
22 "	HJ354220	HF854220	56 "	HJ357560	HF857560
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56 "	HJ354560	HF854560	120 "	HJ358120	HF858120
68 "	HJ354680	HF854680	150 "	HJ358150	HF858150
82 "	HJ354820	HF854820	180 "	HJ358180	HF858180
100 "	HJ355100	HF855100	220 "	HJ358220	HF858220
110 "	HJ355110	HF855110	270 "	HJ358270	HF858270
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150 "	HJ355150	HF855150	390 "	HJ358390	HF858390
160 "	HJ355160	*	470 "	HJ358470	HF858470
180 "	HJ355180	HF855180	560 "	HJ358560	HF858560
220 "	HJ355220	HF855220	680 "	HJ358680	HF858680
270 "	HJ355270	HF855270	820 "	HJ358820	HF858820
330 "	HJ355330	HF855330	1.0M Ω	HJ359100	HF859100
390 "	HJ355390	HF855390	1.2 "	HJ359120	*
470 "	HJ355470	HF855470	1.5 "	HJ359150	HF859150
510 "	*	HF855510	1.8 "	HJ359180	HF859180
560 "	HJ355560	HF855560	2.2 "	HJ359220	HF859220
680 "	HJ355680	HF855680	3.3 "	HJ359330	HF859330
820 "	HJ355820	HF855820	3.9 "	HJ359390	*
910 "	HJ355910	HF855910	4.7 "	HJ359470	HF859470
1.0K Ω	HJ356100	HF856100			
1.2 "	HJ356120	HF856120			
1.5 "	HJ356150	HF856150			
1.8 "	HJ356180	HF856180			
2.0 "	HJ356200	HF856200			
2.2 "	HJ356220	HF856220			
2.4 "	HJ356240	HF856240			
2.7 "	HJ356270	HF856270			
3.0 "	HJ356300	HF856300			
3.3 "	HJ356330	HF856330			
3.6 "	HJ356360	HF856360			
3.9 "	HJ356390	HF856390			
4.7 "	HJ356470	HF856470			
5.1 "	HJ356510	HF856510			
5.6 "	HJ356560	HF856560			
6.8 "	HJ356680	HF856680			
8.2 "	HJ356820	HF856820			
9.1 "	HJ356910	HF856910			
10 "	HJ357100	HF857100			

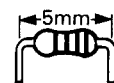
1/4W Type

HJ35○○○○



1/6W Type

HF85○○○○



KX-800/800U

