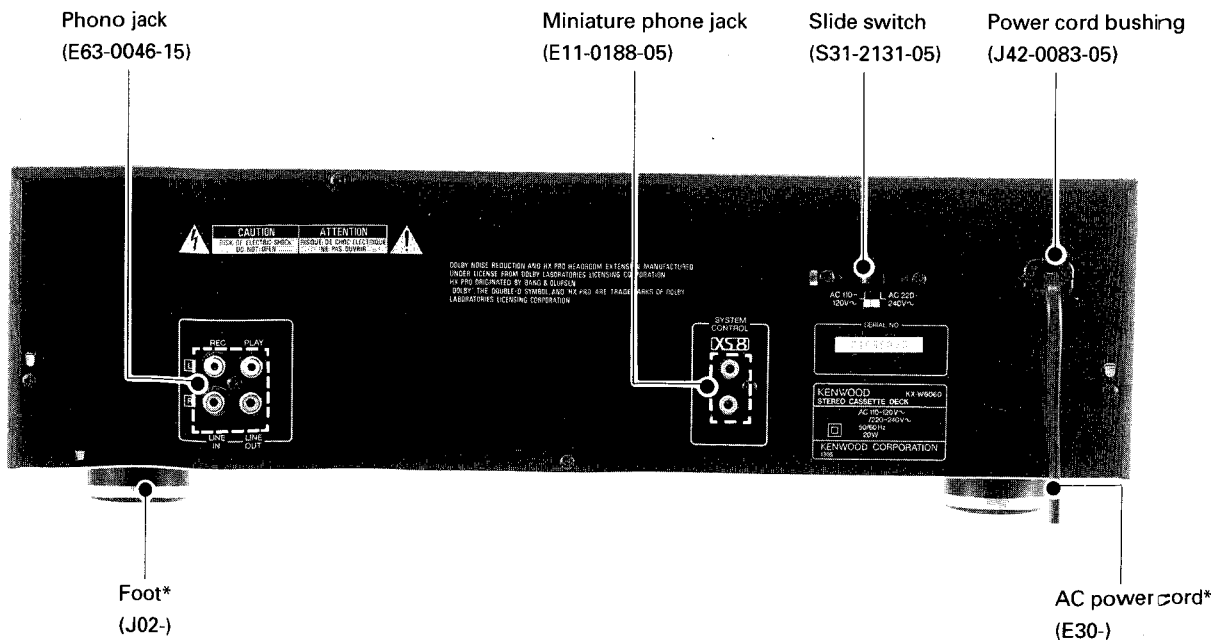
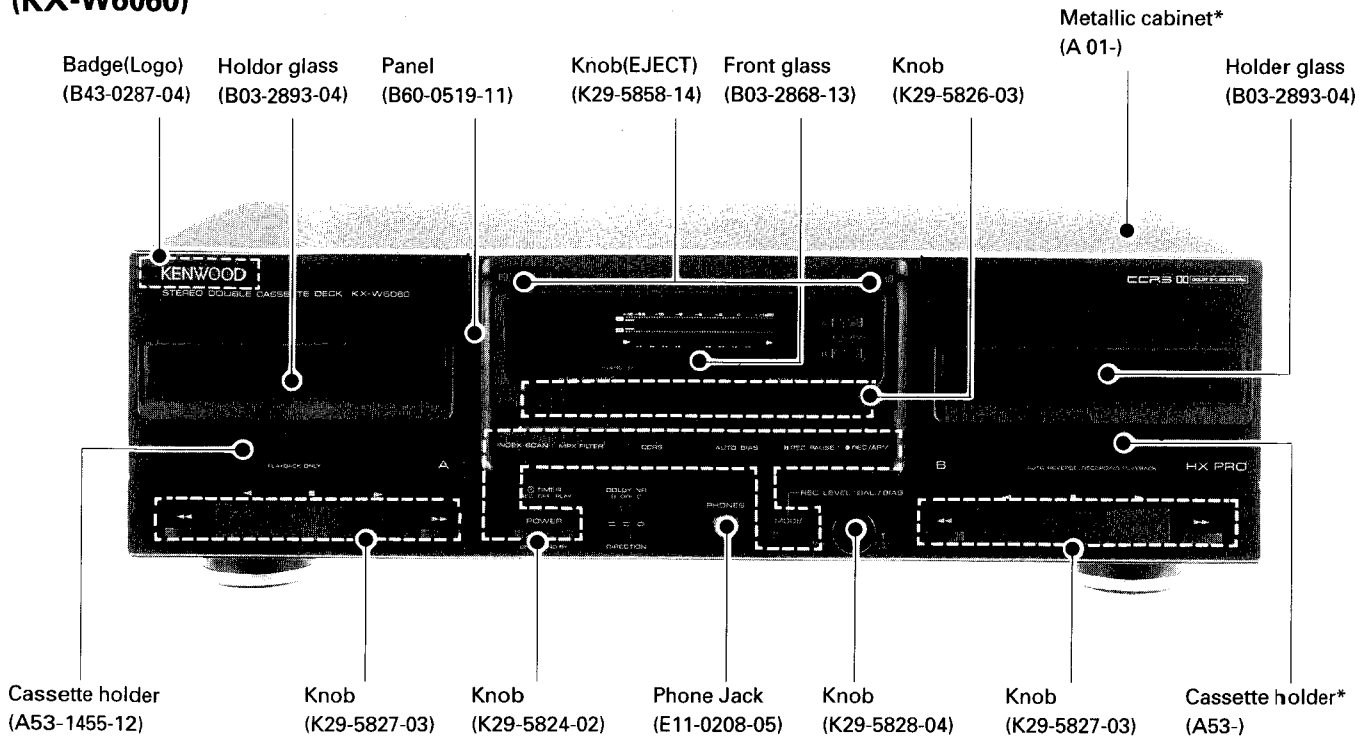


STEREO DOUBLE CASSETTE DECK KX-W894/W4060/W6060 SERVICE MANUAL

KENWOOD

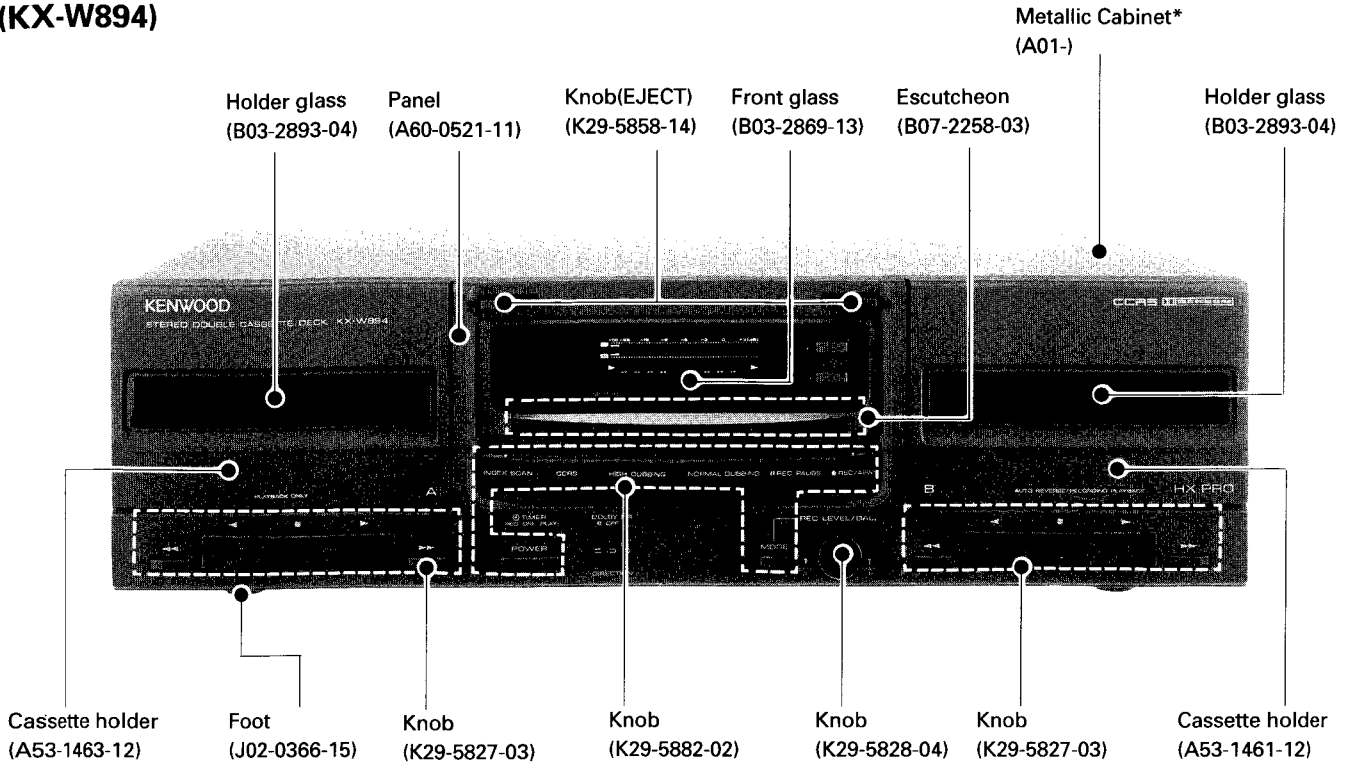
© 1994-4 PRINTED IN KOREA
B51-4850-00(K) 3696

(KX-W6060)

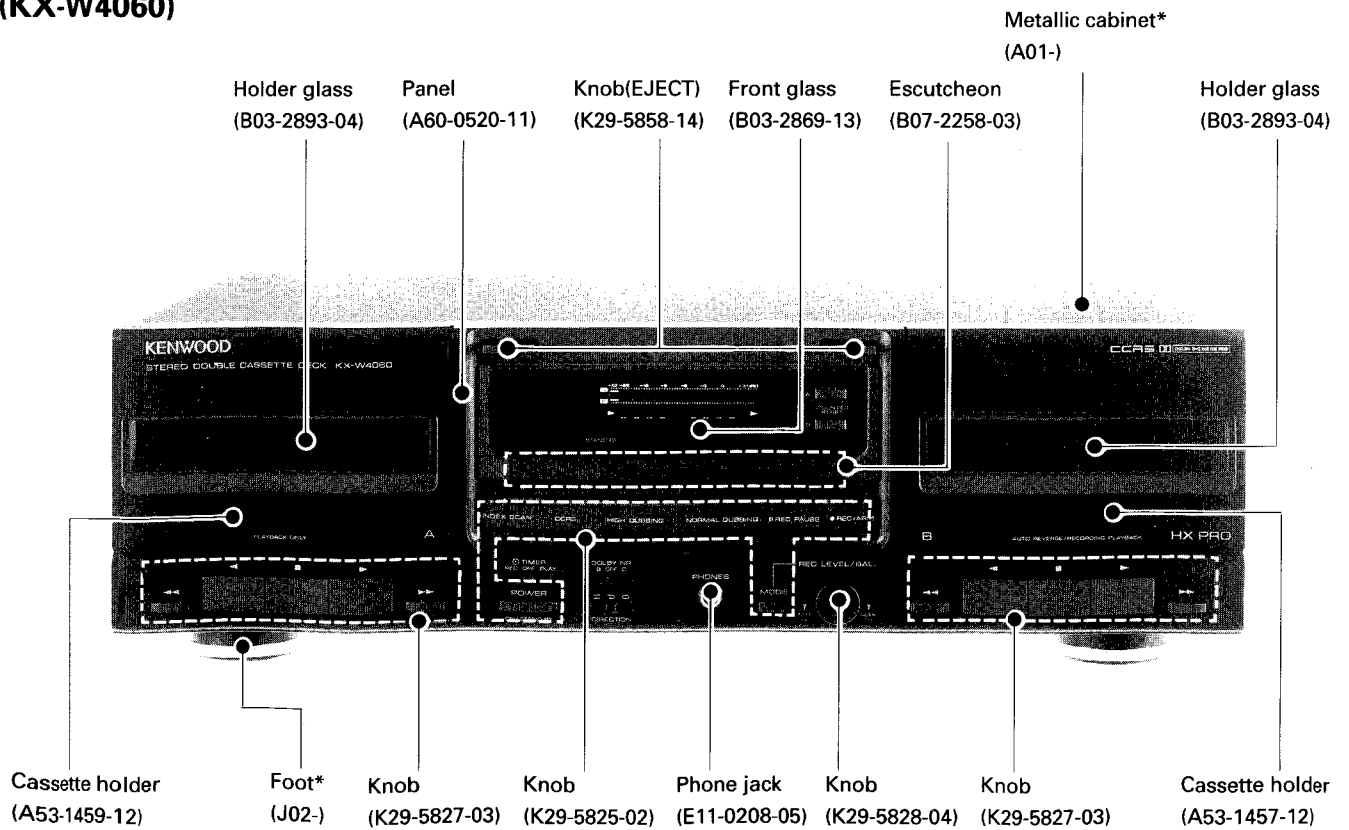


*Refer to parts list page 21

(KX-W894)

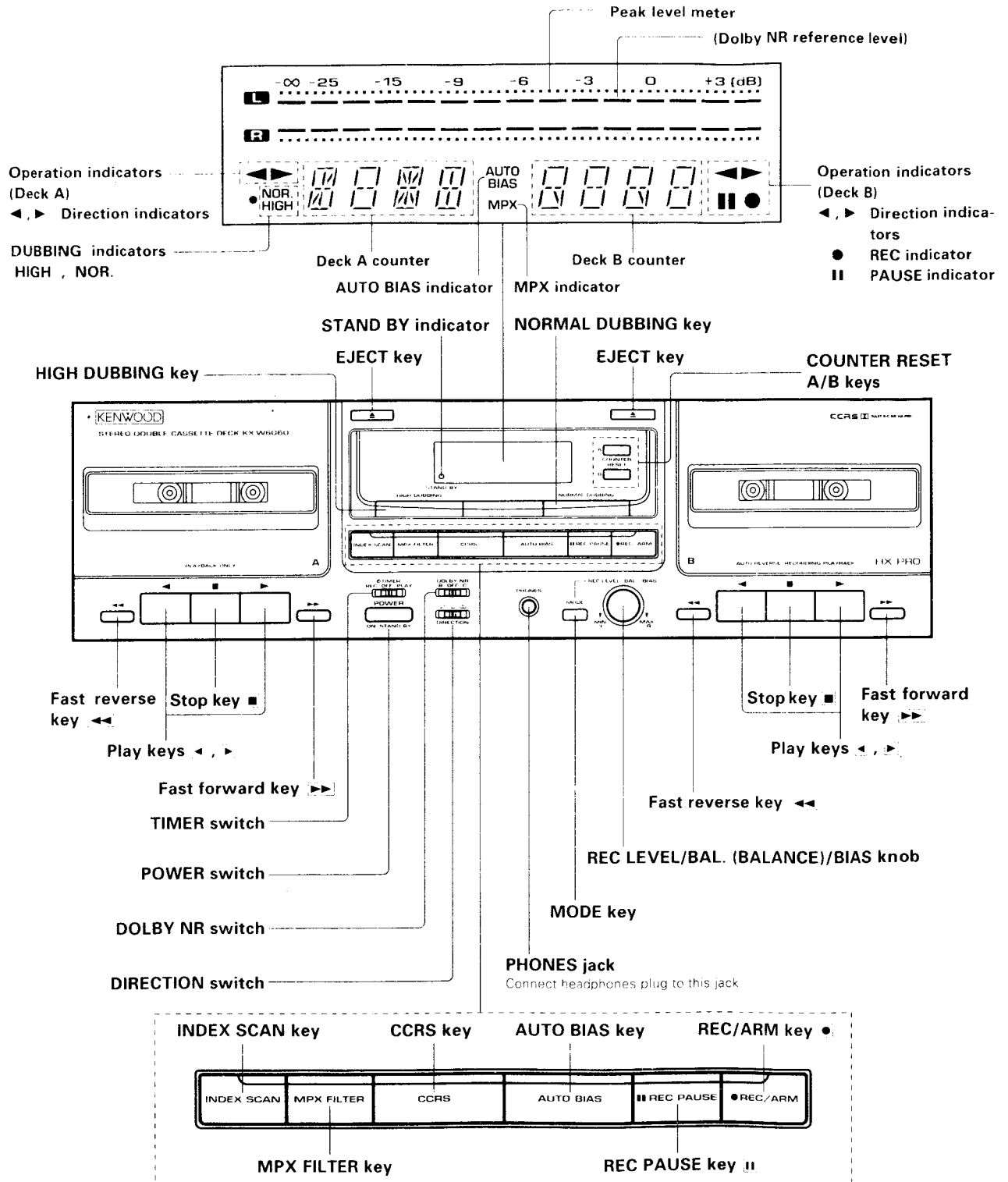


(KX-W4060)



*Refer to parts list on page 21

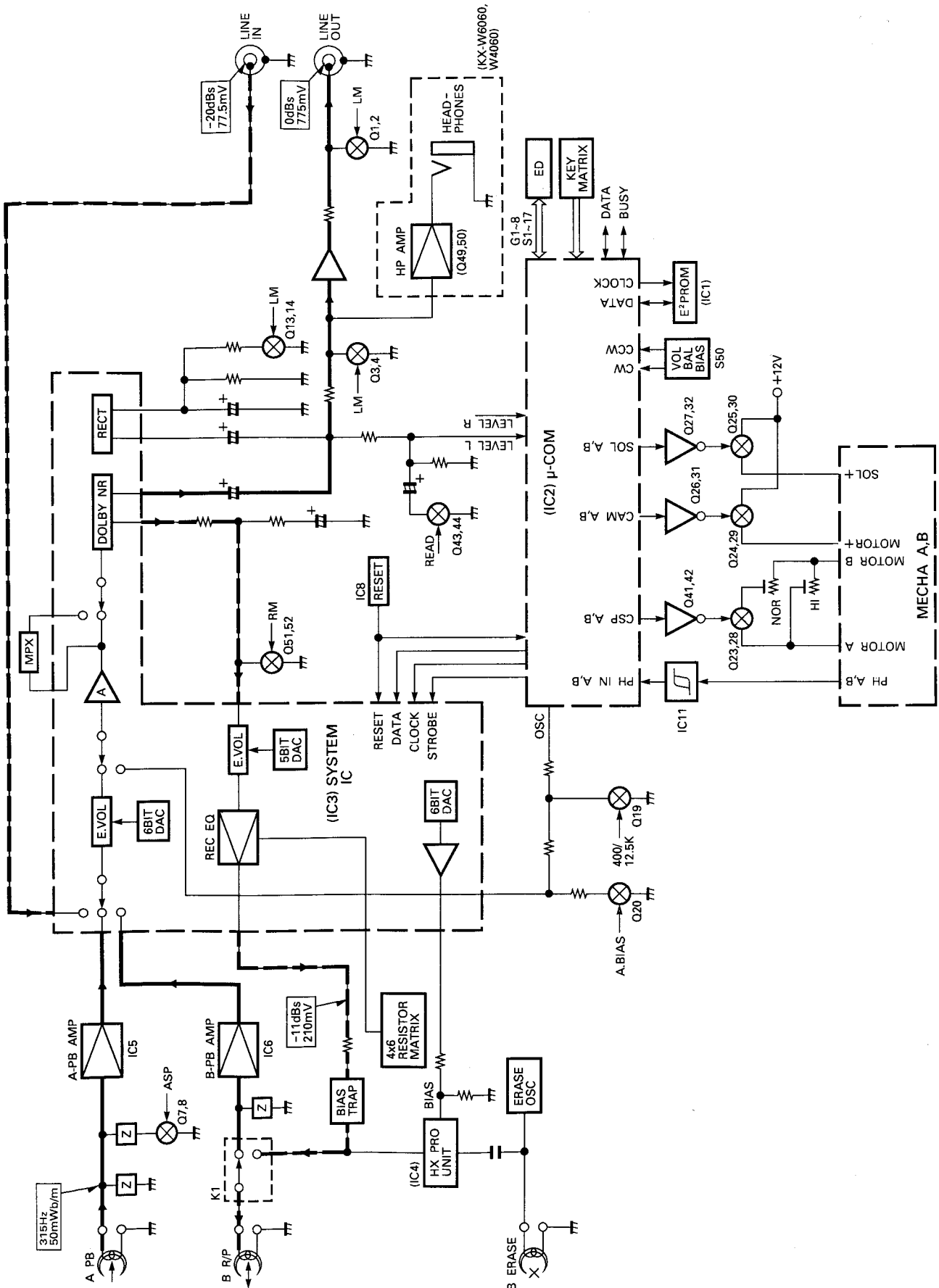
CONTROL AND OPERATIONS



STAND BY mode of POWER switch

When the power cord of this unit is plugged into an AC outlet, the STAND BY indicator lights up regardless of the ON/OFF setting of the POWER switch. This indicates that a small amount of current is being supplied to the unit to back up the memory contents. This mode is referred to as the Stand By mode.

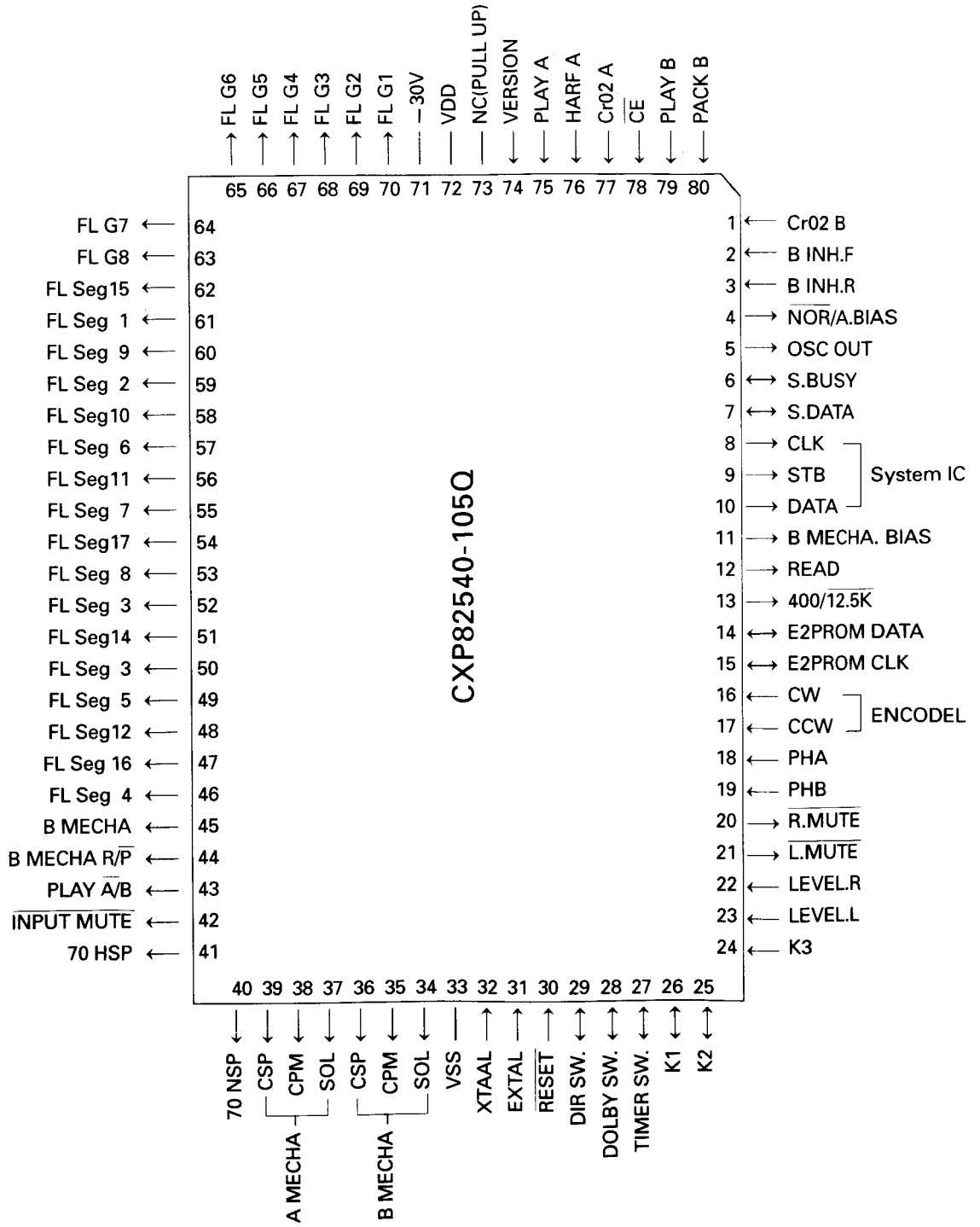
BLOCK DIAGRAM



CIRCUIT DESCRIPTION

Microprocessor[CXP82540-105Q] IC2

Pin Connection



CIRCUIT DESCRIPTION

Pin Connection

Pin No.	I/O	Name	Description	
1	I	Cr02 B	B-mechanism Cr02 tape detection	H : Cr O ₂
2	I	B INH.F	B-mechanism FWD recording prohibition detection	H : PROHIBITION
3	I	B INH.R	B-mechanism RVS recording prohibition detection	H : PROHIBITION
4	O	NOR/A BIAS	OS C attenuator	L : ON
5	O	OSC OUT	400/12.5KHz rectangle wave output	
6	I/O	S.BUSY	Serial BUSY input/output	
7	I/O	S.DATA	Serial data input/output	
8	O	CLK	System IC clock output	
9	O	STB	System IC strobe signal input	
10	O	DATA	System IC serial data output	
11	O	B MECHA. BIAS	B BIAS ON/OFF control	H : ON
12	O	READ	Read 12.5KHz	H : ON
13	O	400/12.5K	Rectangle wave filter selector	L : 400Hz
14	I/O	E2P DATA	E2PROM DATA input/output	
15	I/O	E2P CLK	E2PROM CLOCK input/output	
16	I	ENCODER CW	Encoder clock signal input	H : RETURN
17	I	ENCODER CCW	Encoder clock signal input	H : RETURN
18	I	PHA	A-mechanism rotation detection input	
19	I	PHB	B-mechanism rotation detection input	
20	O	R MUTE	REC MUTE CONTROL	
21	O	L MUTE	LINE MUT CONTROL	
22	I	LEVEL R	CCRS, DPSS Rch signal input	L : ON
23	I	LEVEL L	CCRS, DPSS Lch signal input	L : ON
24	I	A MECHA KEY(K3)	Action key input	
25	I	CENTER KEY(K2)	Action key input	
26	I	B MECHA KEY(K1)	Action key input	
27	I	TIMER SW	Slide switch input	
28	I	DOLBY SW	Slide switch input	
29	I	DIR SW	Slide switch input	
30	I	RESET	Reset signal input	L : RESET
31~32	I	EXTAL, XTAL	Clock oscillator connection terminal(10 MHz)	
33		Vs	GND	
34	O	SOLA	A-Solenoid control	H : ON
35	O	CPMA	A-Capstan motor control	H : ON
36	O	CSPA	A-Capstan motor switching	H : NORMAL L : HIGH SPEED
37	O	SOLB	B-Solenoid control	H : ON
38	O	CPMB	B-Capstan motor control	H : ON
39	O	CSPB	B-Capstan motor switching	H : NORMAL L : HIGH SPEED
40	O	70 NSP	EQ SP NORMAL & BIAS 70 μ s	H : ON
41	O	70 HSP	EQ SP HIGH & BIAS 70 μ s	H : ON
42	O	INPUT MUTE	Outside input MUTE switching	H : ON
43	O	PLAY A/B	A/B HEAD switching	H : B HEAD ON
44	O	B MECHA R/P	B REC/PLAY switching	H : REC
45	O	B MECHA ERASE	B ERASE HEAD ON/OFF switching	H : ON
46~62	O	Seg 17~1	FL tube segment signal output	H : ON
63~70	O	Grid 8~1	FL tube grid signal output	H : ON
71		VFDP	FL tube driving voltage(-30V)	H : ON
72		VDD	Positive power supply terminal(+5V)	
73		NC	Unused(pull up)	
74	I	VERSION	Model changeover	L : KX-W894 / W4060 H : KX-W6060
75	I	PLAY A	A-mechanism head position detection	L : PLAY
76	I	PACK A	A-mechanism half detection	L : Half present
77	I	Cr02 A	A-mechanism Cr02 tape detection	H : Cr O ₂
78	I	CE	Backup detection terminal	L : BACK UP
79	I	PLAY B	B-mechanism head position	L : PLAY
80	I	PACK B	B-mechanism half detection	L : Half present

CIRCUIT DESCRIPTION

Pin Connection

Pin No.	I/O	Name	Description	
1	I	Cr02 B	B-mechanism Cr02 tape detection	H : Cr O ₂
2	I	B INH.F	B-mechanism FWD recording prohibition detection	H : PROHIBITION
3	I	B INH.R	B-mechanism RVS recording prohibition detection	H : PROHIBITION
4	O	NOR/A.BIAS	OS C attenuator	L : ON
5	O	OSC OUT	400/12.5KHz rectangle wave output	
6	I/O	S.BUSY	Serial BUSY input/output	
7	I/O	S.DATA	Serial data input/output	
8	O	CLK	System IC clock output	
9	O	STB	System IC strobe signal input	
10	O	DATA	System IC serial data output	
11	O	B MECHA. BIAS	B BIAS ON/OFF control	H : ON
12	O	READ	Read 12.5KHz	H : ON
13	O	400/12.5K	Rectangle wave filter selector	L : 400Hz
14	I/O	E2P DATA	E2PROM DATA input/output	
15	I/O	E2P CLK	E2PROM CLOCK input/output	
16	I	ENCODER CW	Encoder clock signal input	H : RETURN
17	I	ENCODER CCW	Encoder clock signal input	H : RETURN
18	I	PHA	A-mechanism rotation detection input	
19	I	PHB	B-mechanism rotation detection input	
20	O	R MUTE	REC MUTE CONTROL	
21	O	L MUTE	LINE MUT CONTROL	
22	I	LEVEL R	CCRS, DPSS Rch signal input	L : ON
23	I	LEVEL L	CCRS, DPSS Lch signal input	L : ON
24	I	A MECHA KEY(K3)	Action key input	
25	I	CENTER KEY(K2)	Action key input	
26	I	B MECHA KEY(K1)	Action key input	
27	I	TIMER SW	Slide switch input	
28	I	DOLBY SW	Slide switch input	
29	I	DIR SW	Slide switch input	
30	I	RESET	Reset signal input	L : RESET
31~32	I	EXTAL, XTAL	Clock oscillator connection terminal(10 MHz)	
33		Vs	GND	
34	O	SOLA	A-Solenoid control	H : ON
35	O	CPMA	A-Capstan motor control	H : ON
36	O	CSPA	A-Capstan motor switching	H : NORMAL L : HIGH SPEED
37	O	SOLB	B-Solenoid control	H : ON
38	O	CPMB	B-Capstan motor control	H : ON
39	O	CSPB	B-Capstan motor switching	H : NORMAL L : HIGH SPEED
40	O	70 NSP	EQ SP NORMAL & BIAS 70 μ s	H : ON
41	O	70 HSP	EQ SP HIGH & BIAS 70 μ s	H : ON
42	O	INPUT MUTE	Outside input MUTE switching	H : ON
43	O	PLAY A/B	A/B HEAD switching	H : B HEAD ON
44	O	B MECHA R/P	B REC/PLAY switching	H : REC
45	O	B MECHA ERASE	B ERASE HEAD ON/OFF switching	H : ON
46~62	O	Seg 17~1	FL tube segment signal output	H : ON
63~70	O	Grid 8~1	FL tube grid signal output	H : ON
71		VFDP	FL tube driving voltage(-30V)	H : ON
72		VDD	Positive power supply terminal(+5V)	
73		NC	Unused(pull up)	
74	I	VERSION	Model changeover	L : KX-W894 / W4060 H : KX-W6060
75	I	PLAY A	A-mechanism head position detection	L : PLAY
76	I	PACK A	A-mechanism half detection	L : Half present
77	I	Cr02 A	A-mechanism Cr02 tape detection	H : Cr O ₂
78	I	CE	Backup detection terminal	L : BACK UP
79	I	PLAY B	B-mechanism head position	L : PLAY
80	I	PACK B	B-mechanism half detection	L : Half present

CIRCUIT DESCRIPTION

KX-W894/W4060(74 pin PULL DOWN)

Voltage of ②⑥~②④	Function		
	②⑥ K 1	②⑤ K 2	②④ K 3
0V	B ■	POWER	A ■
0.42V	B ◀	I.S	A ▶
1.03V	B ▶	CCRS	A ◀
1.52V	B ◀◀	N.DUBB	A ▶▶
2.00V	B ▶▶	H.DUBB	A ◀◀
2.51V	A.RST	———	LV/BL
3.01V	B.RST	———	B ●/11
3.50V	———	———	B ●
4.00V	TEST2	M.ADJ	TEST1
4.50V			S16bit
5.00V	OPEN	OPEN	OPEN

The function mode of K1~K2 is change by the voltage value (0~5V) of μ -com port(K1~K3)

KX-W6060(74 pin PULL UP)

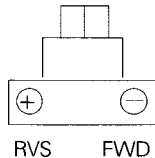
Voltage of ②⑥~②④	Function		
	②⑥ K 1	②⑤ K 2	②④ K 3
0V	B ■	POWER	A ■
0.42V	B ◀	I.S	A ▶
1.03V	B ▶	MPX	A ◀
1.52V	B ◀◀	A.BIAS	A ▶▶
2.00V	B ▶▶	CCRS	A ◀◀
2.51V	A.RST	H.DUBB	LV/BL
3.01V	B.RST	———	B ●/11
3.50V	N.DUBB	———	B ●
4.00V	TEST2	M.ADJ	TEST1
4.50V			S16bit
5.00V	OPEN	OPEN	OPEN

Slide switch(S26, S23, S24)

Voltage of ②⑦~②⑨	Function		
	S26	S23	S24
	②⑦TIMER	②⑧DOLBY	②⑨ DIR
0V	PLAY	C	⏪
2.5V	REC	B	↔
5.0V	OFF	OFF	⏩

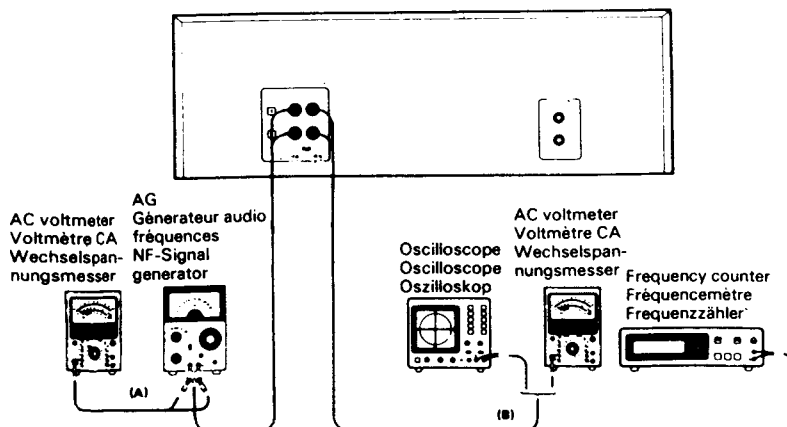
The function mode of slide switch (S26 S23 S24)is change by the voltage value(0~5V) of μ -com port (②⑦~②⑨)

ADJUSTMENT

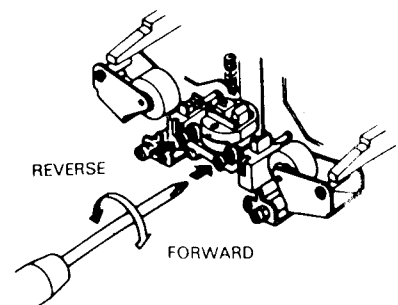
No.	ITEM	INPUT SETTING	OUTPUT SETTING	CASSETTE TAPE DECK SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, set the respective switches as follows : TAPE : NORMAL DOLBY : OFF						0dBs=0.775V	
I. Cassette mechanism unit(Adjustment of the REC/PLAY head)							
<1>	Demagnetization and cleaning	—	—	Power : OFF Demagnetization, cleaning, PLAY	Recording head, erase head, capstan, pinch roller	Demagnetize the REC/PLAY head with the head eraser. Clean the REC/PLAY head, erase head, capstan and pinch roller using a cotton swab slightly dampened with alcohol.	
<2>	Azimuth of the REC/PLAY head	SCC-1727 TCC-153 MTT-114 10kHz, -10dB	—	PLAY		Adjust the output to maximum and adjust the azimuth adjustment screw for the Lissajous waveform pattern of the oscilloscope to become close to a 45° straight line.	
II. PC BOARD ADJUSTMENT (Note) Carry out the high speed adjustment in the first place.							
<1>	TAPE SPEED (HI SPEED)	TCC-110 MTT-111 SCC-1727 3kHz	—	* TEST MODE	VR4(A) VR2(B)	Adjust the tape speed so that 6kHz is obtained at the center of the tape.	
<2>	TAPE SPEED (NORMAL)				VR3(A) VR1(B)	Adjust the tape speed so that 3kHz is obtained at the center of the tape.	

*Short circuit TP3, TP4 and turn the POWER ON. FWD KEY : NORMAL SPEED FF KEY : HI SPEED.

SYSTEM CONNECTIONS



(a) AZIMUTH ADJUSTMENT SCREW



ADJUSTMENT

PB LEVEL & REC LEVEL ADJUSTMENT

1. For Automatic adjustment

I Playback Level Adjustment

- [1] Turn the power OFF(AC OFF)
- [2] Insert the TCC-130 into respective decks A and B.
- [3] Switch the Direction SW to the Q mode.
- [4] Sort TP(3) - (4) and turn the AC plug receptacle ON.
- [5] When End All is displayed in FL, adjustment is complete.
If an error occurs, it will display the location causing the error, A PBL, etc.
Press POWER OFF(AC OFF) or the REC PAUSE key twice (one press is for the Test mode) to return to normal operation.

II Recording level and bias adjustment

- [1] Turn the power OFF(AC OFF)
- [2] Insert the TCC-106A into deck B.
- [3] Switch the Direction SW to the <=> mode.
- [4] Sort TP (3) - (4) and turn the AC plug receptacle on.
- [5] When End All is displayed in FL, adjustment is complete.
If an error occurs, it will display the location causing the error, B RC L, etc.
Press POWER OFF(AC OFF) or the REC PAUSE key twice (one press is for the Test mode) to return to normal operation.

NOTE :

- The Playback level can be adjusted independently for A or B. The procedure in this case as well is as in the above procedure.
- Turn off the display to suppress power fluctuations and other such problems during automatic adjustment.
- The playback level adjustment is done with the Dolby level as the standard value, so be sure to use a 200nWb/m (315Hz or 400Hz) tape.

2. Manual Adjustment

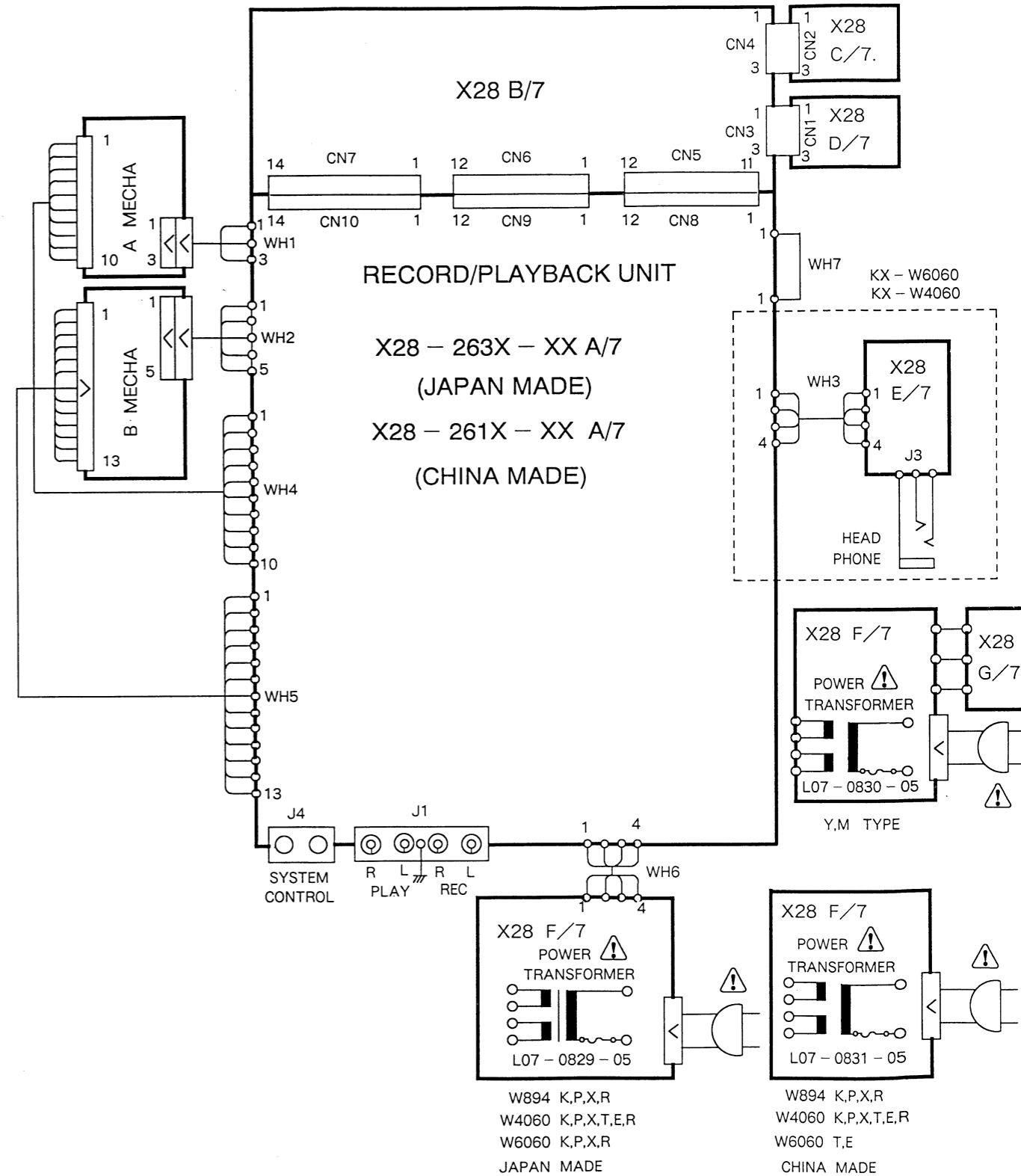
- [1] Turn the power OFF(AC OFF)
- [2] Turn the AC plug receptacle ON while shorting the TP [3] - [5]. Then open TP [3] - [5]
- [3] Insert TCC-130 into deck A and play.
- [4] Deck A Lch Level Adjustment
The initial FL display is APBL 00. The 00 displays the step number. Since the initial value is set at 30, adjust it at this setting by turning the Level Volume.
Adjustment level : TCC-130(200nWb/m)→ -1dBs(690mV)
When using 160nWb/m or 250 nWb/m tapes set to 4dBs and 0dBs respectively.
- [5] Press the DUBB NOR key.
- [6] When the LEV/BAL(/BIAS) MODE key(hereafter abbreviated as MODE key) is pressed, the display

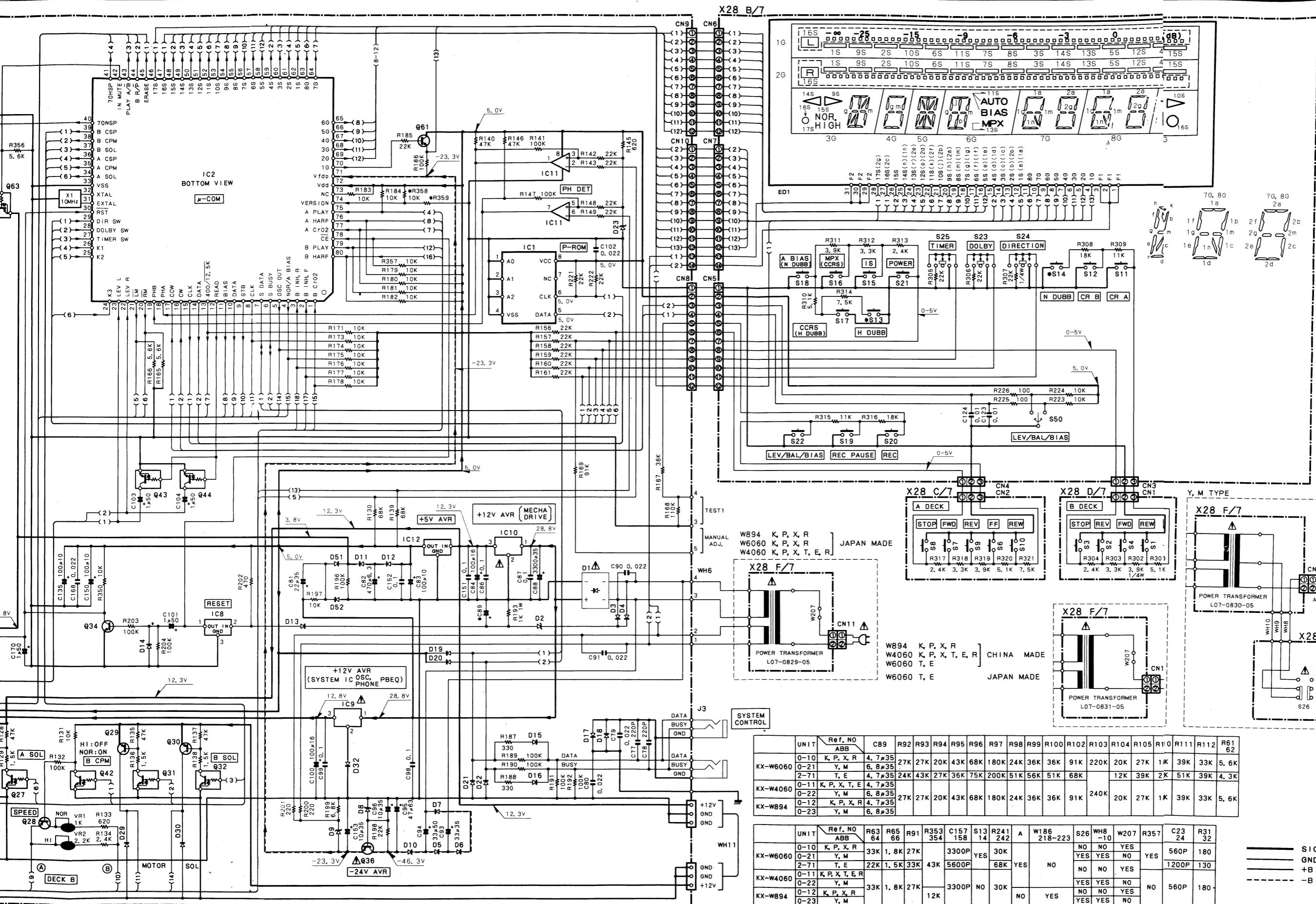
- switches to the A PB R 00.
- [7] Deck A Rch Level Adjustment Same as Lch
- [8] Press the DUBB NOR key.
- [9] Press the MODE key.
- [10] Insert the TCC-130 into deck B and play.
- [11] Deck B Lch Level Adjustment
- [12] Press the DUBB NOR key.
- [13] Press the MODE key.
- [14] Deck B Rch Level Adjustment
- [15] Press the DUBB NOR key.
- [16] Press the MODE key.
- [17] Insert the recording tape into deck B(A BEX TCC-106A or TDK AC-224) and set the AG to 400Hz.
- [18] Press the REC key to start recording and adjust the AG so that the output becomes -20 dBs.(If you press the REC/PAUSE key at this time, manual adjustment will be cancelled, so be careful.)
Play back the recorded tape and turn the Level Volume so that the output becomes -20dBs (It changes about 0.2dB with each step.) Lch Rec. Level Adjustment.
- [19] Press the DUBB NOR key
- [20] Press the MODE key.
- [21] Rch Rec. Level Adjustment Same as Lch.
- [22] Press the DUBB NOR key.
- [23] Press the MODE key.
- [24] Set the AG to 125kHz, then press the REC key to begin recording. Adjust the AG so that the output becomes -20 dBs. playback the recorded tape and adjust the Level Volume so that the output becomes -20 dBs.(It changes about 0.4~0.5dB with each step.) Lch Rec. Bias Adjustment
- [25] Press the DUBB NOR key.
- [26] Press the MODE key.
- [27] Deck B Rch Bias Adjustment
- [28] Press the DUBB NOR key.

NOTE :

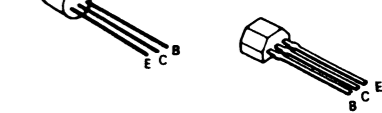
1. The REC/PAUSE key cancels the Adjustment mode, so do press it during adjustment.
2. When adjusting manually, the DUBB NOR key and DUBB HIGH key respectively become the MODE WRITE and ALL WRITE keys, so you need not press the DUBB NOR key for each adjustment mode and can just press the DUBB HIGH key when all the adjustments have been completed.
3. When Manual Adjustment is turned on, all the adjustment data is initialized, so whether or not you make an adjustment, at the end, after writing data, you should cancel using the DUBB HIGH key or another key.

WIRING DIAGRAM

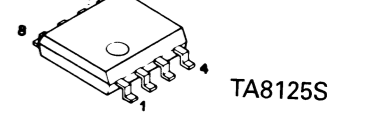
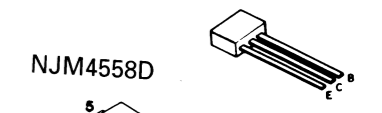




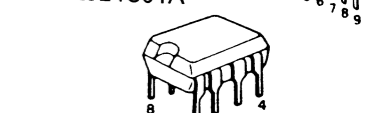
- 2SA1123
- 2SA1534A
- 2SC1845
- 2SC3940A
- 2SD1302
- DTA124ES
- DTC124ES
- UN4112
- 2SA1048
- 2SC2458



- UN4212
- 2SA1309A
- 2SC3311A



- NJM4558D
- TA8125S
- BA10393
- XLJ24C01A



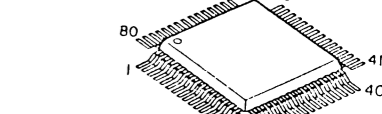
- BA17805T
- UPC7805AHF
- UPC7812AHF



- UPC1297CA
- XRA17812T



- HA12167FB



— SIGNAL LINE
 — GND LINE
 -+B LINE
 - -B LINE

UNIT	Ref. NO	C89	R92	R93	R94	R95	R96	R97	R98	R99	R100	R102	R103	R104	R105	R110	R111	R112	R61	R62
KX-W6060	0-10	K, P, X, R	4.7 μ 35	27K	27K	20K	43K	68K	180K	24K	36K	36K	91K	220K	20K	27K	1K	39K	33K	5.6K
	0-21	Y, M	6.8 μ 35	27K	27K	20K	43K	68K	180K	24K	36K	36K	91K	220K	20K	27K	1K	39K	33K	5.6K
	2-71	T, E	4.7 μ 35	24K	43K	27K	36K	75K	200K	51K	56K	51K	68K		12K	39K	2K	51K	39K	4.3K
KX-W4060	0-11	K, P, X, T, E, R	4.7 μ 35	27K	27K	20K	43K	68K	180K	24K	36K	36K	91K	240K	20K	27K	1K	39K	33K	5.6K
	0-22	Y, M	6.8 μ 35	27K	27K	20K	43K	68K	180K	24K	36K	36K	91K	240K	20K	27K	1K	39K	33K	5.6K
KX-W894	0-12	K, P, X, R	4.7 μ 35	27K	27K	20K	43K	68K	180K	24K	36K	36K	91K	240K	20K	27K	1K	39K	33K	5.6K
	0-23	Y, M	6.8 μ 35	27K	27K	20K	43K	68K	180K	24K	36K	36K	91K	240K	20K	27K	1K	39K	33K	5.6K

UNIT	Ref. NO	R63	R65	R91	R353	C157	S13	R241	A	W186	S26	WH8	W207	R357	C23	R31
KX-W6060	0-10	K, P, X, R	33K	1.8K	27K	3300P	YES	30K			NO	NO	YES	YES	560P	180
	0-21	Y, M	33K	1.8K	27K	3300P	YES	30K			NO	NO	YES	YES	560P	180
	2-71	T, E	22K	1.5K	33K	43K	5600P	68K	YES	NO	NO	NO	YES	NO	1200P	130
KX-W4060	0-11	K, P, X, T, E, R	33K	1.8K	27K	3300P	NO	30K			NO	NO	YES	NO	560P	180
	0-22	Y, M	33K	1.8K	27K	3300P	NO	30K			NO	NO	YES	NO	560P	180
KX-W894	0-12	K, P, X, R	33K	1.8K	27K	12K				NO	YES	NO	NO	NO		
	0-23	Y, M	33K	1.8K	27K	12K				NO	YES	NO	NO	NO		

Die angegebenen Gleichspannungswerte wurden bei eingesetzter Cassette in der Wiedergabe mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig. Die angegebenen Gleichspannungswerte der Vormagnetisierungsschaltung wurden in der Aufnahme - Betriebsart gemessen.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance une cassette étant insérée en mode du lecture. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels. L'appareil étant en mode d'enregistrement.

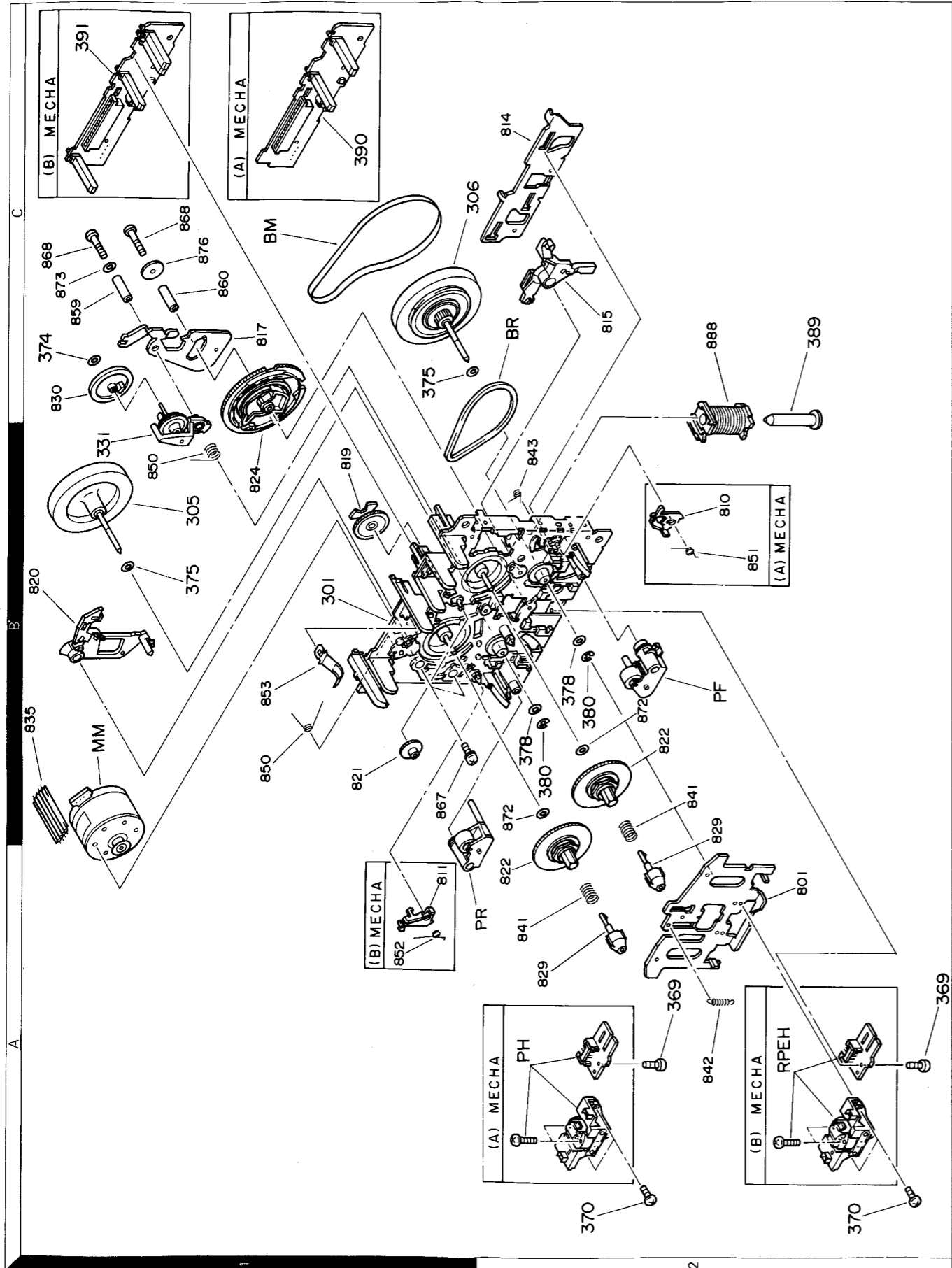
DC voltages are as measured with a high impedance voltmeter with a cassette loaded at playback mode. Values may vary slightly due to variations between individual instruments or/and units. Bias circuit DC voltages are as measured while in the record mode.

CAUTION: For continued safety, replace safety components only with manufacturer's recommended parts (refer to parts list). Δ indicate safety critical parts. To reduce the risk of electric shock, leakage-current resistance measurements shall be carried out (exposed parts acceptably insulated from the supply circuit) before appliance is returned to the customer.

Y26-3790-10

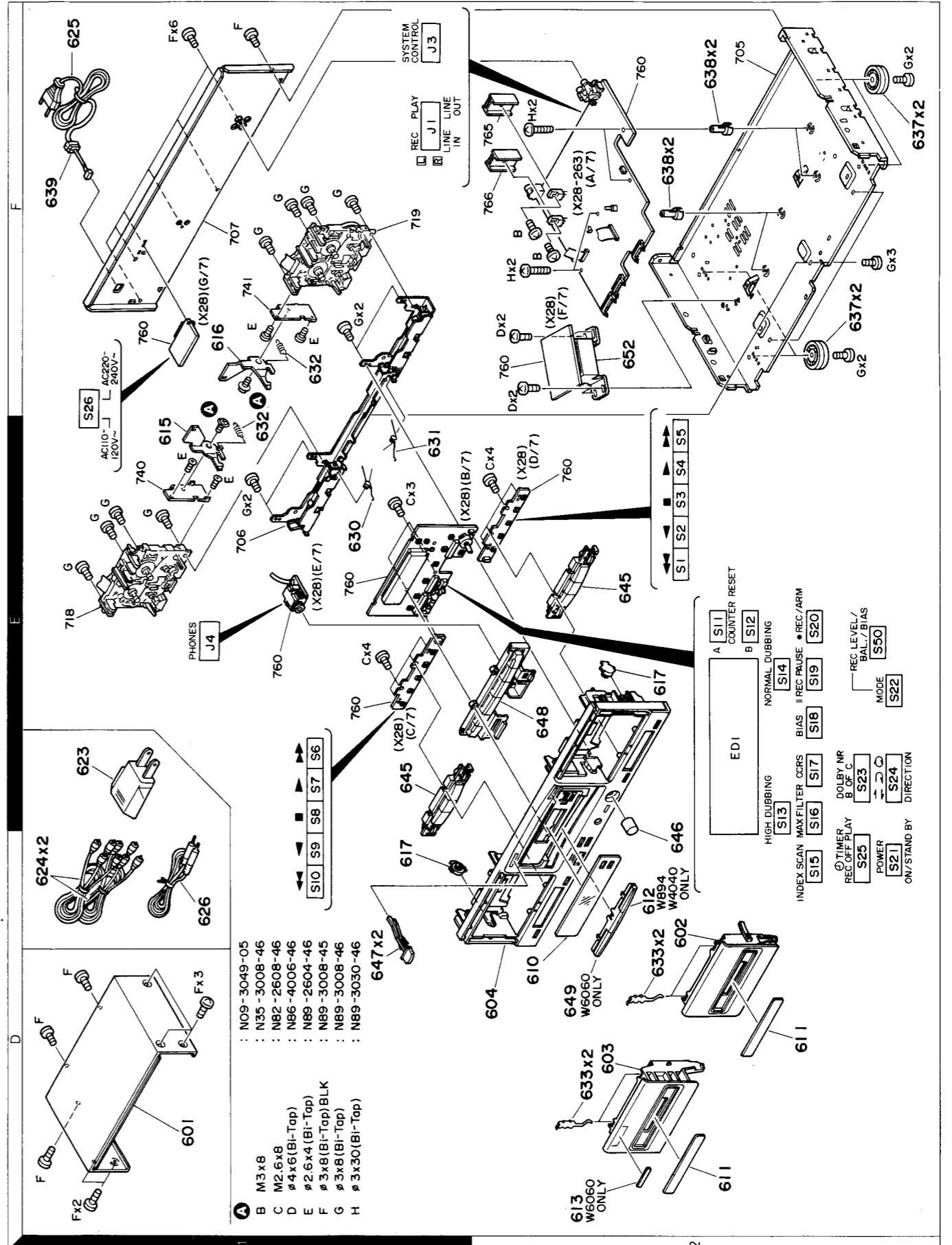


EXPLODED VIEW(MECHANISM)



Parts with the the exploded numbers larger than 800 are write close supplied with mechanism assy.

EXPLODED VIEW(UNIT)



Parts with the the exploded numbers larger than 700 are not supplide.

RECORD/PLA

China made

Japan made

MECHANISM

A Meckanism

B Meckanism

1

Ref. No.	Address	Parts No.	Description	Desti- nation

* New Parts
Parts without Parts No. are not supplied
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

1
* New Parts
Parts without Parts No. are not supplied
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
 Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
KX-W894(UNIT)					
601	1D	A01-3093-01	METALLIC CABINET	H	
601	1D	A01-3130-01	METALLIC CABINET	J	
602	2D	A53-1461-12	CASSETTE HOLDER	B	
603	2D	A53-1463-12	CASSETTE HOLDER	A	
604	2D	A60-0521-11	PANEL		
610	2D	B03-2869-13	DRESSING PLATE (FL)		
611	2D	B03-2893-04	DRESSING PLATE (LID)		
612	2D	B07-2258-03	ESCUTCHEON		
-	-	B46-0092-33	WARRANTY CARD	K	
-	-	B46-0094-03	WARRANTY CARD	Y	
-	-	B46-0095-03	WARRANTY CARD	Y	
-	-	B46-0096-43	WARRANTY CARD	X	
-	-	B46-0121-33	WARRANTY CARD	P	
-	-	B46-0197-00	QUESTIONNAIRE CARD	KR	
-	-	B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-	-	B58-0964-03	CAUTION CARD	KYR	
-	-	B58-0965-03	CAUTION CARD	PX	
-	-	B58-0966-03	CAUTION CARD	M	
-	-	B58-0970-03	CAUTION CARD	R	
-	-	B60-1425-00	INSTRUCTION MANUAL(ENGLISH)		
-	-	B60-1426-00	INSTRUCTION MANUAL(FRENCH)	P	
-	-	B60-1427-00	INSTRUCTION MANUAL(CHINESE)	M	
-	-	B60-1428-00	INSTRUCTION MANUAL(SPANISH)	MR	
615	1E	D10-3446-14	LEVER	A	
616	1F	D10-3447-14	LEVER	B	
617	1D, 2E	D39-0314-05	DAMPER		
623	1E	E03-0115-05	AC PLUG ADAPTER	M	
624	1E	E30-0413-05	AUDIO CORD	Y	
625	1F	E30-0509-05	AC POWER CORD	Y	
625	1F	E30-0605-05	AC POWER CORD	Y	
625	1F	E30-2650-05	AC POWER CORD	KPR	
625	1F	E30-2717-05	AC POWER CORD	X	
626	1D	E30-2733-05	CORD WITH PLUG		
630	1E	G01-3628-04	TORSION COIL SPRING	A	
631	1E	G01-3629-04	TORSION COIL SPRING	B	
632	1E, 1F	G01-3654-04	EXTENSION SPRING(LEVER)		
633	2D	G02-0944-04	FLAT SPRING (CASSETTE)		
-	-	H10-5129-12	POLYSTYRENE FOAMED FIXTURE(L)	J	
-	-	H10-5130-12	POLYSTYRENE FOAMED FIXTURE(R)	J	
-	-	H10-5707-02	POLYSTYRENE FOAMED FIXTURE	H	
-	-	H10-5708-02	POLYSTYRENE FOAMED FIXTURE	H	
-	-	H12-2199-04	PACKING FIXTURE	H	
-	-	H12-2200-04	PACKING FIXTURE	H	
-	-	H13-0165-04	CARTON BOARD	J	
-	-	H13-0166-04	CARTON BOARD	J	
-	-	H20-0586-04	PROTECTION COVER	H	
-	-	H25-0232-04	PROTECTION BAG (235X350X0.03)	H	
-	-	H25-0382-04	PROTECTION BAG	H	
-	-	H50-0901-04	ITEM CARTON CASE	H	
-	-	H50-1042-04	ITEM CARTON CASE	H	

*RP head : Amorphous head

▲ indicates safety critical components.

RECORD/PLAYBACK AMPLIFIER UNIT

	KX-W894	KX-W4060	KX-W6060
China made	K, P, X, R Y, M	X28-2610-12 X28-2610-23	X28-2610-11 X28-2610-22 X28-2610-21
	T, E	X28-2610-11	X28-2612-71
Japan made	K, P, X, R Y, M	X28-2630-12 X28-2630-23	X28-2630-11 X28-2630-22 X28-2630-21
	T, E	X28-2630-11	X28-2632-71

MECHANISM ASSY

	KX-W894	KX-W4060	KX-W6060
A Mechanism	D40-1335-05	D40-1335-05	D40-1335-05
B Mechanism	D40-1336-05	D40-1336-05	D40-1336-05 (K, P, Y, M, X, R) *D40-1337-05 (T, E)

*RP head : Amorphous head

2
* New Parts
Parts without Parts No. are not supplied
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
 Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
637	2F	J02-0366-15	FOOT HOLDER (P, C, B)		
638	2F	J19-5633-04	UNIT HOLDER (P, C, B)		
639	1F	J42-0083-05	POWER CORD BUSHING		
-	-	J61-0307-05	WIRE BAND		
645	1E, 2E	K29-5827-03	KNOB (PLAY)	K	
646	2D	K29-5828-04	KNOB (MIN/MAX)	Y	
647	1D	K29-5858-14	KNOB (EJECT)	Y	
648	2E	K29-5862-02	KNOB (REC)	P	
652	2E	L07-0829-05	POWER TRANSFORMER	KPR	
652	2E	L07-0830-05	POWER TRANSFORMER	YM	
652	2E	L07-0831-05	POWER TRANSFORMER	X	
KX-W4040(UNIT)					
601	1D	A01-3093-01	METALLIC CABINET	H	
601	1D	A01-3130-01	METALLIC CABINET	J	
602	2D	A53-1457-12	CASSETTE HOLDER	A	
603	2D	A53-1459-12	CASSETTE HOLDER	B	
604	2D	A60-0520-11	PANEL		
610	2D	B03-2869-13	DRESSING PLATE (FL)		
611	2D	B03-2893-04	DRESSING PLATE (LID)		
612	2D	B07-2258-03	ESCUTCHEON		
-	-	B46-0092-33	WARRANTY CARD	K	
-	-	B46-0094-03	WARRANTY CARD	Y	
-	-	B46-0095-03	WARRANTY CARD	Y	
-	-	B46-0096-43	WARRANTY CARD	X	
-	-	B46-0121-33	WARRANTY CARD	P	
-	-	B46-0197-00	QUESTIONNAIRE CARD	KR	
-	-	B46-0310-03	WARRANTY CARD	TE	
-	-	B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-	-	B58-0945-03	CAUTION CARD	T	
-	-	B58-0964-03	CAUTION CARD	KYR	
-	-	B58-0965-03	CAUTION CARD	PXT	
-	-	B58-0966-03	CAUTION CARD	ME	
-	-	B58-0970-03	CAUTION CARD	R	
-	-	B60-1425-00	INSTRUCTION MANUAL(ENGLISH)		
-	-	B60-1426-00	INSTRUCTION MANUAL(FRENCH)	PE	
-	-	B60-1427-00	INSTRUCTION MANUAL(CHINESE)	M	
-	-	B60-1428-00	INSTRUCTION MANUAL(SPANISH)	MR	
-	-	B60-1429-00	INSTRUCTION MANUAL(G/D/T)	E	
615	1E	D10-3446-14	LEVER	A	
616	1F	D10-3447-14	LEVER	B	
617	1D	D39-0314-05	DAMPER		
623	1E	E03-0115-05	AC PLUG ADAPTER	M	
624	1D	E30-0505-05	AUDIO CORD	Y	
625	1F	E30-2592-15	AC POWER CORD	ME	
625	1F	E30-2605-05	AC POWER CORD	KPR	
625	1F	E30-2650-05	AC POWER CORD	Y	
625	1F	E30-2717-05	AC POWER CORD	X	
625	1F	E30-2721-05	AC POWER CORD	T	
626	1D	E30-2733-05	CORD WITH PLUG		
630	1E	G01-3628-04	TORSION COIL SPRING	A	
631	1E	G01-3629-04	TORSION COIL SPRING	B	
632	1E, 1F	G01-3654-04	EXTENSION SPRING(LEVER)		
633	2D	G02-0944-04	FLAT SPRING (CASSETTE)		

*RP head : Amorphous head

▲ indicates safety critical components.

3

* New Parts
Parts without Parts No. are not supplied
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
 Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
-	-	H10-5101-12	POLYSTYRENE FOAMED FIXTURE(L)	KPYXK	J
-	-	H10-5101-12	POLYSTYRENE FOAMED FIXTURE(R)	R	J
-	-	H10-5102-12	POLYSTYRENE FOAMED FIXTURE(R)	KPYXK	J
-	-	H10-5102-12	POLYSTYRENE FOAMED FIXTURE(R)	R	J
-	-	H10-5420-02	POLYSTYRENE FOAMED FIXTURE(R)	T	J
-	-	H10-5421-02	POLYSTYRENE FOAMED FIXTURE(R)	T	J
-	-	H10-5703-02	POLYSTYRENE FOAMED FIXTURE(L)	KPYXK	H
-	-	H10-5703-02	POLYSTYRENE FOAMED FIXTURE(R)	R	H
-	-	H10-5704-02	POLYSTYRENE FOAMED FIXTURE	KPYXK	H
-	-	H10-5704-02	POLYSTYRENE FOAMED FIXTURE	R	H
-	-	H10-5705-02	POLYSTYRENE FOAMED FIXTURE	T	H
-	-	H10-5706-02	POLYSTYRENE FOAMED FIXTURE	T	H
-	-	H12-2199-04	PACKING FIXTURE	T	H
-	-	H12-2200-04	PACKING FIXTURE	T	H
-	-	H13-0165-04	CARTON BOARD	X	J
-	-	H13-0165-04	CARTON BOARD	X	J
-	-	H13-0166-04	PROTECTION COVER	M	H
-	-	H25-0232-04	PROTECTION BAG (235X350X0.03)	KPYXK	H
-	-	H25-0330-04	PROTECTION BAG	R	H
-	-	H25-0651-04	PROTECTION BAG	T	H
-	-	H25-0658-04	PROTECTION BAG	T	H
-	-	H50-0829-05	POWER TRANSFORMER	KPYXK	J
-	-	H50-0900-04	ITEM CARTON CASE	R	J
-	-	H50-1009-04	ITEM CARTON CASE	T	J
-	-	H50-1040-04	ITEM CARTON CASE	KPYXK	J
-	-	H50-1041-04	ITEM CARTON CASE	R	J
637	2F	J02-1013-05	FOOT (REAR)	KPR	
637	2F	J02-1024-05	FOOT (FRONT)	KPYXK	
637	2F	J02-1034-05	FOOT (FRONT/REAR)	YXKTE	
638	2F	J19-5633-04	UNIT HOLDER (P, C, B)		
639	1F	J42-0083-05	POWER CORD BUSHING		
645	2E	J61-0307-05	WIRE BAND		
646	2D	K29-5827-03	KNOB (PLAY)		
646	2D	K29-5828-04	KNOB (MIN/MAX)		
647	1D	K29-5858-14	KNOB (EJECT)		
648	2E	K29-5862-02	KNOB (REC)		
652	2E	L07-0829-05	POWER TRANSFORMER	KPR	
652	2E	L07-0830-05	POWER TRANSFORMER	YM	
652	2E	L07-0831-05	POWER TRANSFORMER	XTE	
KX-W6060(UNIT)					
601	1D	A01-3093-01	METALLIC CABINET	H	
601	1D	A01-3130-01	METALLIC CABINET	J	
602	2D	A53-1457-12	CASSETTE HOLDER	B	
602	2D	A53-1459-12	CASSETTE HOLDER	B	
603	2D	A53-1465-12	CASSETTE HOLDER	B	
603	2D	A53-1465-12	CASSETTE HOLDER	A	
604	2D	A60-0519-11	PANEL		
610	2D	B03-2868-13	DRESSING PLATE (FL)		
611	2D	B03-2893-04	DRESSING PLATE (LID)		
613	2D	B43-0287-04	KENWOOD BADGE		
-	-	B46-0092-33	WARRANTY CARD	K	
-	-	B46-0094-03	WARRANTY CARD	Y	

*RP head : Amorphous head

▲ indicates safety critical components.

PARTS LIST

* New Parts
 Parts without Parts No. are not supplied.
 Les articles non mentionnés dans le Parts No. ne sont pas fournis.
 Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
-		*	H50-0897-04	ITEM CARTON CASE	KPYMXE	H
-		*	H50-0898-04	ITEM CARTON CASE	R	H
-		*	H50-1008-04	ITEM CARTON CASE	T	H
-		*	H50-1038-04	ITEM CARTON CASE	KPYMXE	J
-		*	H50-1038-04	ITEM CARTON CASE	R	J
-		*	H50-1039-04	ITEM CARTON CASE	T	J
637	2F		J02-1013-05	FOOT (REAR)	KPR	
637	2F		J02-1024-05	FOOT (FRONT)	KPR	
637	2F		J02-1034-05	FOOT (FRONT/REAR)	KPR	
638	2F		J19-3633-04	UNIT HOLDER (P.C.B.)	YMXTE	
639	1F		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
645	1E	*	K29-5827-03	KNOB (PLAY)		
646	2D	*	K29-5828-04	KNOB (MIN/MAX)		
647	1D	*	K29-5858-14	KNOB (EJECT)		
648	2E	*	K29-5824-02	KNOB (REC)		
649	2D	*	K29-5826-03	KNOB (HIGGH/NORMAL DUBBING)		
652	2F	*	L07-0829-05	POWER TRANSFORMER	KPR	
652	2F	*	L07-0830-05	POWER TRANSFORMER	YM	
652	2F	*	L07-0831-05	POWER TRANSFORMER	XYTE	
RECORD/PLAYBACK AMPLIFIER UNIT(X28-26XX-XX)						
C1			CQ92FM1H272J	MYLAR		6
C3			CE04KW1V100M	ELECTR0		
C9			CK45FB1H391K	CERAMIC		
C11			CE04KW1V100M	ELECTR0		
C13			CE04KW1C470M	ELECTR0		
C15			CC45FSL1H221J	CERAMIC		
C17			CK45FB1H391K	CERAMIC		
C19			CE04KW1V100M	ELECTR0		
C21			CE04KW1C470M	ELECTR0		
C23			CK45FB1H561K	CERAMIC		
C23			CC45FSL1H221J	CERAMIC		
C25			CQ92FM1H122J	MYLAR		
C25			CE04KW1C101M	ELECTR0		
C27			CC45FSL1H221J	CERAMIC		
C29		*	CQ92FM1H433J	MYLAR		
C31			CE04KW1H010M	ELECTR0		
C35			CE04KW1H2R2M	ELECTR0		
C37			CQ92FM1H104J	MYLAR		
C39			CE04KW1V100M	ELECTR0		
C41			CE04KW1H0R1M	ELECTR0		
C45			CQ92FM1H222J	MYLAR		
C49			CE04KW1H010M	ELECTR0		
C51			CQ92FM1H273J	MYLAR		
C53			CC45FSL1H221J	CERAMIC		
C55			CE04KW1H010M	ELECTR0		
C55			CQ92FM1H332J	MYLAR		
C61			CQ92FM1H104J	MYLAR		
C62			CE04KW1H2R2M	ELECTR0		
C67			CC45FSL1H180J	CERAMIC		
C69			CC45FSL1H560J	CERAMIC		
C70			CE04KW1H0R1M	ELECTR0		
C72			CE04KW1C331M	ELECTR0		
C73			CE04KW1V100M	ELECTR0		

* New Parts
 Parts without Parts No. are not supplied.
 Les articles non mentionnés dans le Parts No. ne sont pas fournis.
 Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
-		*	B46-0095-03	WARRANTY CARD	Y	
-		*	B46-0096-43	WARRANTY CARD	X	
-		*	B46-0121-33	WARRANTY CARD	P	
-		*	B46-0197-00	QUESTIONNAIRE CARD	KR	
-		*	B46-0310-03	WARRANTY CARD	TE	
-		*	B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-		*	B58-0945-03	CAUTION CARD	T	
-		*	B58-0964-03	CAUTION CARD	KYR	
-		*	B58-0965-03	CAUTION CARD	PXT	
-		*	B58-0966-03	CAUTION CARD	ME	
-		*	B58-0970-03	CAUTION CARD	R	
-		*	B60-1420-00	INSTRUCTION MANUAL(ENGLISH)	PE	
-		*	B60-1421-00	INSTRUCTION MANUAL(FRENCH)	M	
-		*	B60-1422-00	INSTRUCTION MANUAL(CHINESE)	M	
-		*	B60-1423-00	INSTRUCTION MANUAL(SPANISH)	MER	
-		*	B60-1424-00	INSTRUCTION MANUAL(G/D/I)	E	
615	1E		D10-3446-14	LEVER	A	
616	1F		D10-3447-14	LEVER	B	
617	1D		D39-0314-05	DAMPER		
623	1E		E03-0115-05	AC PLUG ADAPTER	M	
624	1D		E30-0505-05	AUDIO CORD	ME	
625	1F		E30-2592-15	AC POWER CORD	Y	
625	1F		E30-2605-05	AC POWER CORD	KPR	
625	1F		E30-2650-05	AC POWER CORD	X	
625	1E		E30-2717-05	AC POWER CORD	T	
626	1E		E30-2721-05	AC POWER CORD		
626	1D		E30-2733-05	CORD WITH PLUG		
630	1E	*	G01-3628-04	TORSION COIL SPRING	A	
631	1E	*	G01-3629-04	TORSION COIL SPRING	B	
632	1F	*	G01-3654-04	EXTENSION SPRING (LEVER)		
633	2D		G02-0944-04	FLAT SPRING (CASSETTE)		
-		*	H10-5101-12	POLYSTYRENE FOAMED FIXTURE(L)	KPYMXE	J
-		*	H10-5101-12	POLYSTYRENE FOAMED FIXTURE(L)	J	J
-		*	H10-5102-12	POLYSTYRENE FOAMED FIXTURE(R)	KPYMXE	J
-		*	H10-5102-12	POLYSTYRENE FOAMED FIXTURE(R)	J	J
-		*	H10-5102-12	POLYSTYRENE FOAMED FIXTURE(R)	T	J
-		*	H10-5420-02	POLYSTYRENE FOAMED FIXTURE(L)	T	J
-		*	H10-5421-02	POLYSTYRENE FOAMED FIXTURE(R)	T	J
-		*	H10-5703-02	POLYSTYRENE FOAMED FIXTURE	KPYMXE	H
-		*	H10-5703-02	POLYSTYRENE FOAMED FIXTURE	R	H
-		*	H10-5704-02	POLYSTYRENE FOAMED FIXTURE	KPYMXE	H
-		*	H10-5704-02	POLYSTYRENE FOAMED FIXTURE	R	H
-		*	H10-5704-02	POLYSTYRENE FOAMED FIXTURE	X	H
-		*	H10-5705-02	POLYSTYRENE FOAMED FIXTURE	T	H
-		*	H10-5706-02	POLYSTYRENE FOAMED FIXTURE	T	H
-		*	H12-2199-04	PACKING FIXTURE	X	J
-		*	H12-2200-04	PACKING FIXTURE	J	J
-		*	H13-0145-04	CARTON BOARD	X	J
-		*	H13-0146-04	CARTON BOARD	X	J
-		*	H20-0554-04	PROTECTION COVER	M	H
-		*	H25-0232-04	PROTECTION BAG (235X350X0.03)	KPYMXE	H
-		*	H25-0232-04	PROTECTION BAG (235X350X0.03)	R	H
-		*	H25-0330-04	PROTECTION BAG (235X350X0.03)	KPYMXE	H
-		*	H25-0330-04	PROTECTION BAG	RPYXER	H
-		*	H25-0651-04	PROTECTION BAG	T	H
-		*	H25-0658-04	PROTECTION BAG	T	H

L:Scandinavia K:USA P:Canada R:Mexico S:Japan Made
 Y:PX(Far East, Hawaii) T:England E:Europe G:Germany H:China Made
 Y:AAFE(S/Europe) X:Australia M:Other Areas AA:DECK BB:DECK
 ▲ indicates safety critical components.

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

7

Ref. No. 参照番号	Address 位置	New Parts 新部品	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 向	Re- marks 備考
C171,172 C173,174			CQ92FM1H223J CK45FB1H331K	MYLAR CERAMIC 0.022UF J 330PF K		
J1			E63-0046-15	PHONE JACK		4
J3			E11-0188-05	MINIATURE PHONE JACK(2P)		6
J4			E11-0208-05	PHONE JACK		
J4			E11-0208-05	PHONE JACK		
J5 -7			J11-0098-05	WIRE CLAMPER		
L1 -4			L40-1035-29	SMALL FIXED INDUCTOR(10MH, J)		
L5 ,6			L79-1209-05	LC FILTER		
L7 ,8			L32-0556-05	BIAS OSCILLATING COIL		
L9			L32-0563-05	BIAS OSCILLATING COIL		
X1		*	L78-0294-05	RESONATOR (10.000M)		
R90			R014GB2E150J	FL-PROOF RD 15 J 1/4W		
R156-161			RN14BK2C202F	RN 22-0K F 1/6W		
R193			RS14KB3A102J	FL-PROOF RS 1-0K J 1W		
R211,212			R014NB2E150J	RD 15 J 1/4W		
R215			R014NB2E100J	RD 10 J 1/4W		
R220			R014NB2E271J	RD 270 J 1/4W		
VR1			R12-1616-05	TRIMMING POT.(1K)		
VR2			R12-1617-05	TRIMMING POT.(2.2K)		
VR5			R12-1616-05	TRIMMING POT.(1K)		
VR4			R12-1617-05	TRIMMING POT.(2.2K)		
K1			S76-0018-05	MAGNETIC RELAY		
S1 -12			S40-1064-05	PUSH SWITCH		
S13 ,14			S40-1064-05	PUSH SWITCH		
S15 -22			S40-1064-05	PUSH SWITCH		
S23 -25			S31-1036-05	SLIDE SWITCH		
S26			S31-2131-05	SLIDE SWITCH (POWER TYPE)		YM
S50		*	T99-0546-05	ROTARY ENCODER		
D1			D35BA20F03	DIODE		
D1			RV7-42L2A	DIODE		
D2			HZS6.8K(B2)	ZENER DIODE		
D2			RD6.8ES(B2)	ZENER DIODE		
D3 -7			HSS104	DIODE		
D3 -7			1SS133	DIODE		
D8			HZS24N(B)	ZENER DIODE		
D8			RD24ES(B)	ZENER DIODE		
D9			HZS5.6N(B2)	ZENER DIODE		
D9			RD5.6ES(B2)	ZENER DIODE		
D10 -22			HSS104	DIODE		
D10 -22			1SS133	DIODE		
D23			HZS2.7N(B2)	ZENER DIODE		
D23			RD2.7ES(B2)	ZENER DIODE		
D24			HSS104	DIODE		
D24			1SS133	DIODE		
D26			HSS104	DIODE		
D26			1SS133	DIODE		
D26			SS468B	DIODE		
D27 -30			TSR139-100	DIODE		
D27 -30				DIODE		
D31 ,32			HSS104	DIODE		
D31 ,32			1SS133	DIODE		
D51			HSS104	DIODE		

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

6

Ref. No. 参照番号	Address 位置	New Parts 新部品	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 向	Re- marks 備考
C75 ,76			CE04KW1H2R2M	ELECTRO		
C77 ,78			CC45FS1H223J	CERAMIC		
C79 ,80			CK45FF1H223Z	CERAMIC		
C81			CE04KW1V220M	ELECTRO		
C82			CE04KW0J471H	ELECTRO		
C83			CE04KW1A101M	ELECTRO		
C84			CE04KW1C101M	ELECTRO		
C85			CE04KW1H0R1M	ELECTRO		
C86 ,87			CF92FV1H104J	MF		
C88			CE04KW1V332M	ELECTRO		
C89			CE04KW1V4R7M	ELECTRO	KPXRTE	
C89		*	C90-3243-05	ELECTRO	YM	
C90 ,91			CK45FF1H223Z	CERAMIC		
C93			CE04KW1V330M	ELECTRO		
C94			CE04KW1H330M	ELECTRO		
C95			CE04KW1J470M	ELECTRO		
C96			CE04KW1V100M	ELECTRO		
C98 ,99			CF92FV1H104J	MF		
C100			CE04KW1C101M	ELECTRO		
C101			CE04KW1H010M	ELECTRO		
C102			CK45FF1H223Z	CERAMIC		
C103,104			CE04KW1H010M	ELECTRO		
C105-108			CQ92FM1H223J	MYLAR		
C109,110			CK45FB1H561K	CERAMIC		
C111,112			CQ92FM1H103J	MYLAR		
C113,114			C91-1436-05	FILM		
C115,116			C91-1434-05	FILM		
C117			C993HP2A103J	MYLAR		
C118			CQ92FM1H273J	MYLAR		
C119,120			CQ92FM1H153J	MYLAR		
C121			CE04KW1V100M	ELECTRO		
C122			CE04KW1H010M	ELECTRO		
C123,124			C91-0769-05	CERAMIC		
C125,126			CQ92FM1H332J	MYLAR		
C128,129			CE04KW1C470M	ELECTRO		4
C128,129			CE04KW1C470M	ELECTRO		6
C130			CE04KW1C330M	ELECTRO		4
C130			CE04KW1C330M	ELECTRO		4
C131,132			CE04KW1V100M	ELECTRO		4
C131,132			CE04KW1V100M	ELECTRO		6
C133,134			CQ92FM1H222J	MYLAR		
C135			CE04KW1A101M	ELECTRO		
C135			CE04KW1A101M	ELECTRO		
C151,152			CF92FV1H104J	MF		
C153			CE04KW1V100M	ELECTRO		
C155,156			CQ92FM1H223J	MYLAR		
C157,158			CQ92FM1H332J	MYLAR		
C157,158			CQ92FM1H562J	ELECTRO	TE	6
C159,160			CE04KW1H010M	ELECTRO		
C163			CC45FSL2H100D	CERAMIC		
C167			CE04KW1V100M	ELECTRO		
C168			CK45FF1H223Z	CERAMIC		
C169			CK45FF1H223Z	CERAMIC		4
C169			CK45FF1H223Z	CERAMIC		6
C170			CE04KW1H010M	ELECTRO		

△ indicates safety critical components.

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新部品	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 向	Re- marks 備考
949, 50			25C1845(F,E)	TRANSISTOR		4
949, 50			25C1845(F,E)	TRANSISTOR		6
951, 52			25C2458(Y,GR)	TRANSISTOR		
951, 52			25C3311A(Q,R)	TRANSISTOR		
961			25C2458(Y,GR)	TRANSISTOR		
961			25C3311A(Q,R)	TRANSISTOR		
962			DTC124ES	DIGITAL TRANSISTOR		
962			UN4212	DIGITAL TRANSISTOR		
963			DTC124ES	DIGITAL TRANSISTOR		
963			UN4112	DIGITAL TRANSISTOR		
964			DTC124ES	DIGITAL TRANSISTOR		
964			UN4212	DIGITAL TRANSISTOR		
MECHANISM ASSY (A ; D40-1335-05) (B ; D40-133X-05)						
301		*	A10-3157-08	CHASSIS BASE		
305	1B		D01-0119-08	FLYWHEEL ASSY LEFT		
306	1C		D01-0170-08	FLYWHEEL ASSY RIGHT		
331	2B	*	D19-0285-08	CLUTCH ASSY		
331	1C	*	D16-0321-08	MAIN BELT		
BR	2C	*	D16-0372-08	REEL BELT		
PF	2B	*	D14-0364-08	PINCH ROLLER ASSY		
PR	1A	*	D14-0365-08	PINCH ROLLER ASSY		
369	2A		N97-2004-46	HEAD PCB SCREW		
370	2A		N87-2006-46	SCREW		
374	1C		N19-0904-08	WASHER		
375	1B, 1C		N19-0905-08	WASHER		
378	2B		N19-1214-08	WASHER		
380	2B		N29-0205-04	E RING		6
389	2C		T94-0225-08	SOLENOID SHAFT		A
MM	1B	*	T42-0680-08	MAIN MOTOR ASSY		B
PH	2A	*	T31-0071-08	PLAYBACK HEAD		
RPEH	2A	*	T39-0025-08	REC/PLAYBACK/ERASE HEAD		
RPEH	2A	*	T39-0026-08	REC/PLAYBACK/ERASE HEAD		ET
390	1C	*	W02-1198-08	ELECTRIC UNIT		
391	1C	*	W02-1199-08	ELECTRIC UNIT		

L:Scandinavia K:USA P:Canada R:Mexico
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany
Y:AA(FES)(Europe) X:Australia M:Other Areas

AA DECK BB DECK
4KX-W4060
6KX-W4060

AA indicates safety critical components.

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 新部品	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 向	Re- marks 備考
D51			15S133	DIODE		6
D52			HZS3.9N(B2)	ZENER DIODE		4
D53			R03.9ES(B2)	ZENER DIODE		4
D53, 54			HSS104	DIODE		
D53, 54			HSS104	DIODE		
D53, 54			15S133	DIODE		6
D53, 54			15S133	DIODE		4
E01			FPB89M5	INDICATOR TUBE		
IC1			XL24C01A	IC(128X8 EEPROM)		
IC2		*	CAP82540-105Q	IC		
IC3			HA12167FB	IC(DOUBLE B/C, REC EQ)		
IC4			UPC12970A	IC(DOUBLE HX PRG SYSTEM)		
IC5, 6			T8B125S	IC(ZCH PRE AMP)		
IC7			NJM4558D	IC(OP AMP X2)		
IC8		*	PST9142-T	ANALOG IC		
IC9, 10			UPC7812AHF	IC(VOLTAGE REGULATOR/ +12V)		
IC9, 10			XRA17812T	IC(VOLTAGE REGULATOR/ +12V)		
IC11			BA10393	IC(DUAL COMPALATOR)		
IC12			BA17805T	IC(VOLTAGE REGULATOR/ +5V)		
IC12			UPC7805AHF	IC(VOLTAGE REGULATOR/ +5V)		
Q1, 2			25C2458(Y,GR)	TRANSISTOR		
Q1, 2			25C3311A(Q,R)	TRANSISTOR		
Q3, 4			2SD1302(S,T)	TRANSISTOR		
Q5, 12			DTC124ES	DIGITAL TRANSISTOR		
Q5, 12			UN4212	TRANSISTOR		
Q13, 14			25C2458(Y,GR)	TRANSISTOR		
Q13, 14			25C3311A(Q,R)	TRANSISTOR		
Q15, 16			2SD1302(S,T)	TRANSISTOR		
Q17, 18			DTC124ES	DIGITAL TRANSISTOR		
Q17, 18			UN4212	TRANSISTOR		
Q19			25C2458(Y,GR)	TRANSISTOR		
Q19			25C3311A(Q,R)	TRANSISTOR		
Q20			DTC124ES	DIGITAL TRANSISTOR		
Q20			UN4212	TRANSISTOR		
Q21, 22			DTA124ES	DIGITAL TRANSISTOR		
Q21, 22			UN4112	TRANSISTOR		
Q23			2SA1048(Y,GR)	TRANSISTOR		
Q23			2SA1309A(Q,R)	TRANSISTOR		
Q24, 25			2SA1534A(R,S)	TRANSISTOR		
Q26, 27			DTC124ES	DIGITAL TRANSISTOR		
Q26, 27			UN4212	TRANSISTOR		
Q28			2SA1048(Y,GR)	TRANSISTOR		
Q28			2SA1309A(Q,R)	TRANSISTOR		
Q29, 30			2SA1534A(R,S)	TRANSISTOR		
Q31, 32			DTC124ES	DIGITAL TRANSISTOR		
Q31, 32			UN4212	TRANSISTOR		
Q34			25C2458(Y,GR)	TRANSISTOR		
Q34			25C3311A(Q,R)	TRANSISTOR		
Q36			2SA1123(R,S)	TRANSISTOR		
Q37			25C3940A(R,S)	TRANSISTOR		
Q37		*	25C4719(Q,R)	TRANSISTOR		
Q38, 39			25C2458(Y,GR)	TRANSISTOR		
Q38, 39			25C3311A(Q,R)	TRANSISTOR		
Q40, 48			DTC124ES	DIGITAL TRANSISTOR		
Q40, 48			UN4212	TRANSISTOR		

L:Scandinavia K:USA P:Canada R:Mexico
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany
Y:AA(FES)(Europe) X:Australia M:Other Areas

AA DECK BB DECK
4KX-W4060
6KX-W4060

AA indicates safety critical components.

KX-W894/W4060/W6060

SPECIFICATIONS

Track System	4 track, 2 channel stereo	Dolby NR OFF	58 dB
Recording System	AC bias(Frequency : 105kHz)	Dolby B NR ON	67 dB
Heads	A DECK Playback heads 1 B DECK Playback/recording heads...1 Erasing head 1	Dolby C NR ON	75 dB (3rd, H.D., 3%, Chrome tape)
Motors	A DECK DC motor × 1 B DECK DC motor × 1	Harmonic Distortion	Less than 1.0%. (at 315 Hz, 3rd H.D., 250 nWb/m, Chrome tape)
Wow and Flutter	±0.15%(IEC) ±0.28%(DIN) 0.08%(W.RMS)	Input sensitivity/Impedance	LINE IN 122.8mV/47k Ω Output Level/Impedance
Fast Winding Time	Approx. 96 seconds(C-60tape)	LINE OUT	775mV /1.0k Ω
Frequency Response	Normal Tape 30 Hz to 17,000Hz, ±3 dB CrO2 Tape 30 Hz to 18,000 Hz, ±3 dB	Headphones	0.5mW/32 Ω
Signal to Noise Ratio	Dolby NR OFF 56 dB (IEC, 250 nWb/m, Chrome tape)		

[General]

Power Consumption	20 W
Dimensions	W : 440mm(17-5/16 ") H : 137mm(5-3/8 ") D : 269mm(10-9/16 ")
Weight(Net)	4.2kg(9.3lb)

Note : KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

KENWOOD follows a policy of continuous advancements in development.
For this reason specifications may be changed without notice.
DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

KENWOOD poursuit une politique de progrès constants en ce qui concerne le développement.
Pour cette raison, les spécifications sont sujettes à modifications sans préavis.
La marque DOLBY et le double "D" sont des marques déposées des Dolby Laboratories.
Le système de réduction du bruit de fond est fabriqué sous licence des Dolby Laboratories.

KENWOOD strebt ständige Verbesserungen in der Entwicklung an.
Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.
DOLBY und Doppel-D-Symbol sind eingetragene Warenzeichen der Dolby Laboratories.
Dolby-Rauschunterdrückung mit Lizenz der Dolby Laboratories gefertigt.

Note :

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A.(K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

KENWOOD CORPORATION

Alive Mitake, 2-5, 1-chome Shibuya, Shibuya-ku, Tokyo 150, Japan

KENWOOD SERVICE CORPORATION

P.O. BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.

KENWOOD ELECTRONICS CANADA INC.

6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

KENWOOD ELECTRONICS LATIN AMERICA S.A.

P.O. BOX 55-2791, Piso 6 Plaza Chase, Cl. 47 y Aquilino de la Guardia Panama, Republic de Panama

TRIO-KENWOOD U.K. LIMITED

KENWOOD House, Dwight Road, Watford, Herts., WD1 8EB., United Kingdom

KENWOOD ELECTRONICS BENELUX N.V.

Mechelsesteenweg 418, B-1930 Zaventem, Belgium

KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrücker Str. 15, 63150 Heusenstamm, Germany

TRIO-KENWOOD FRANCE S.A.

13 Boulevard Ney, 75018 Paris, France

KENWOOD ELECTRONICS ITALIA S.p.A.

Via G. Sirtori, 7/9 20129, Milano, Italy

KENWOOD ESPANA S.A.

Bolivia, 239-08020 Barcelona, Spain

KENWOOD ELECTRONICS AUSTRALIA PTY. LTD. (A.C.N. 001 499 074)

P.O. Box 504, 8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia

KENWOOD & LEE ELECTRONICS, LTD.

Unit 3712-3724, Level 37, Tower 1, Metroplaza, 223 Hing Fong Road, Kwai Fong N.T., Hong Kong

KENWOOD ELECTRONICS SINGAPORE PTE LTD.

No. 1 Genting Lane # 07-00, KENWOOD Building, Singapore, 1334