

STEREO DOUBLE CASSETTE DECK

KX-W4080/W6080

SERVICE MANUAL

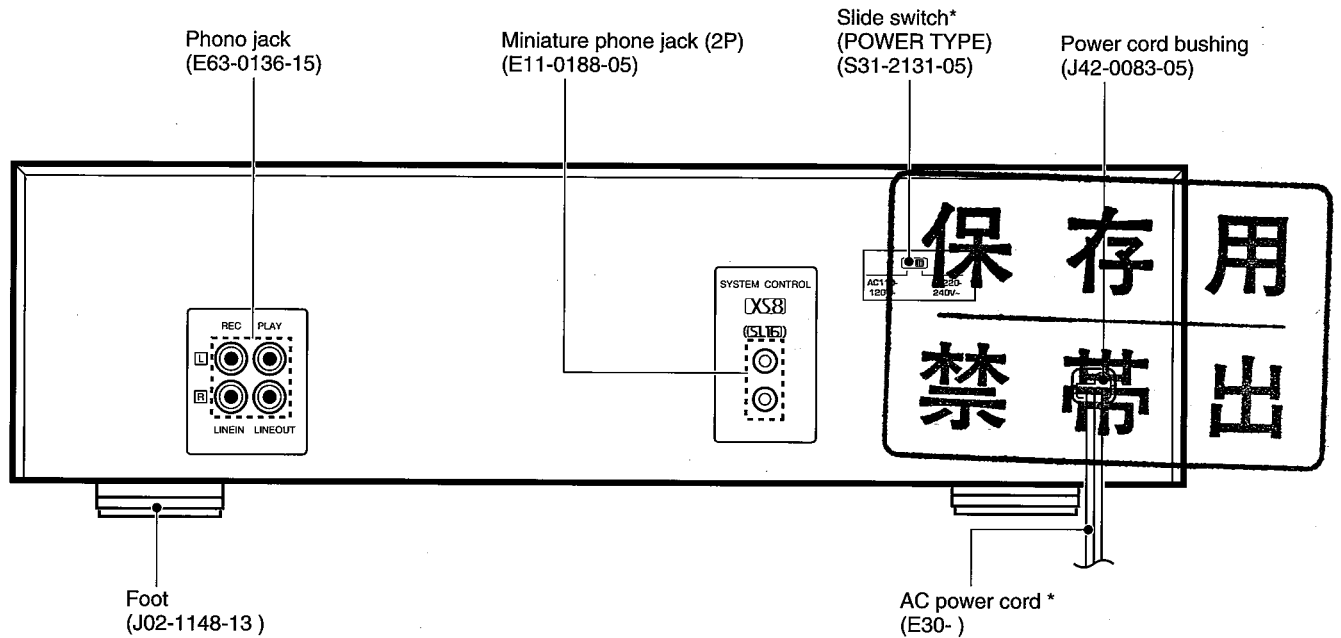
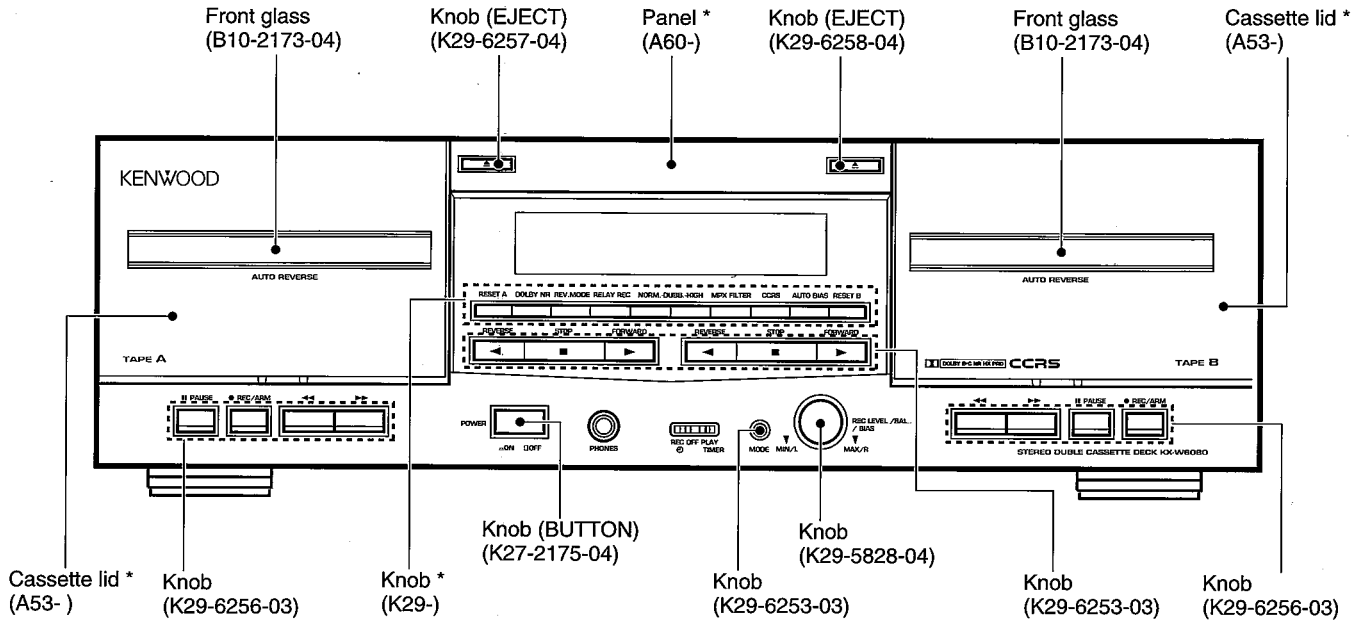
KENWOOD

96. 1. 29

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B51-5143-00 (K) 4002

15年保管

Illustration is KX-W6080.



* Refer to parts list on page 21.

PRECAUTIONS FOR REPAIR

Refer to KX-W4070/W6070 service manual(B51-5031-00), if you want to know more information of **CIRCUIT DESCRIPTION**.

CONTENTS / ACCESSORIES / CAUTIONS

Contents

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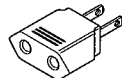
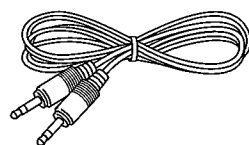
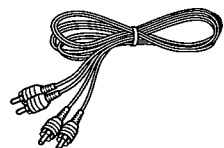
Accessories

Audio cord2
(E30-0505-05)

System control cord1
(E30-2816-05)

Except for U.S.A., Mexico, Canada,
U.K., Europe and Australia

AC plug adaptor.....1
(E03-0115-05)



Cautions

Beware of condensation

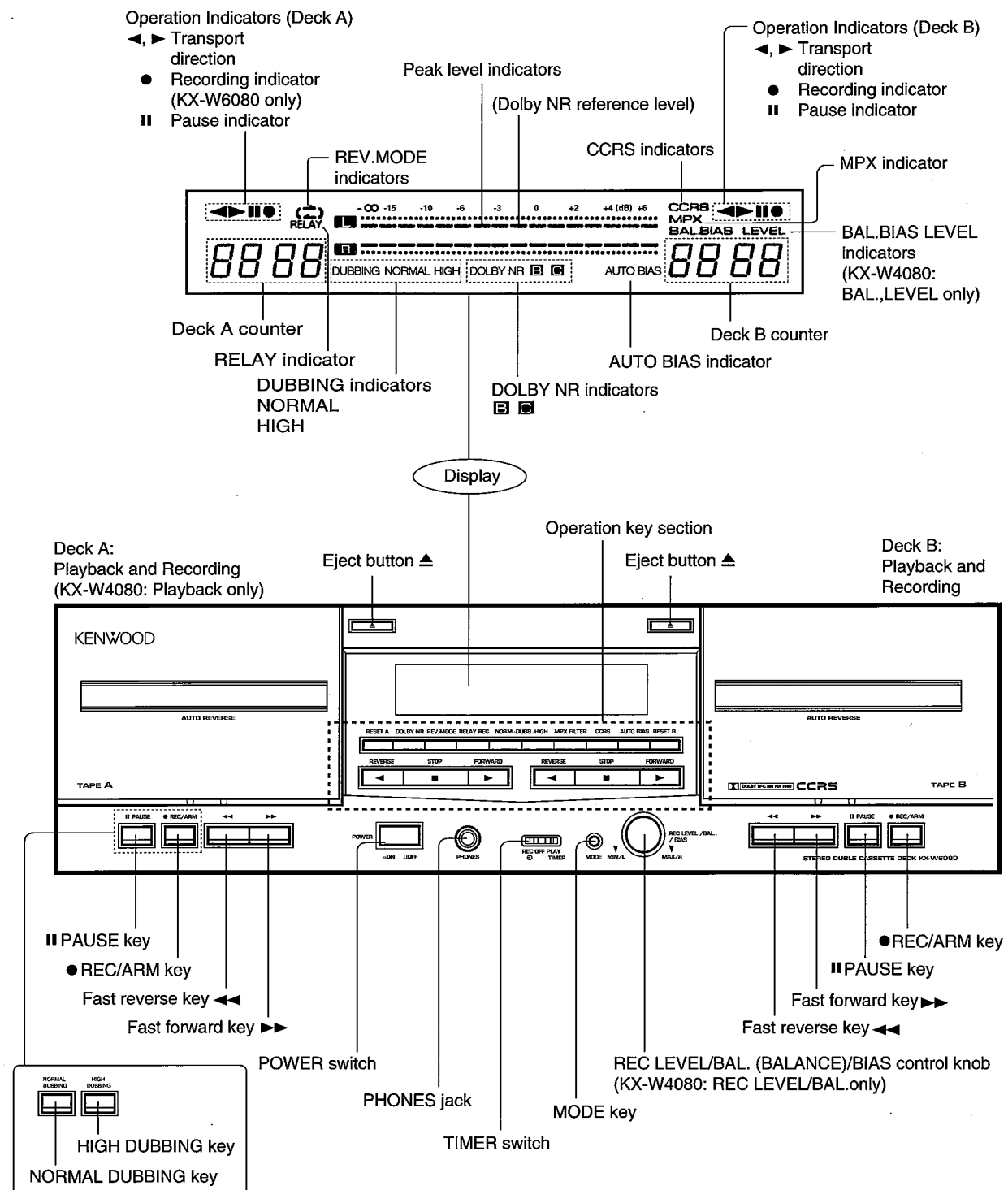
When water vapor comes into contact with the surface of cold material, water drops are produced. If condensation occurs, correct operation may not be possible, or the unit may not function correctly. This is not a malfunction, however, and the unit should be dried. (To do this, turn the POWER switch ON and leave the unit for several hours.)

Be especially careful in the following conditions:

- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

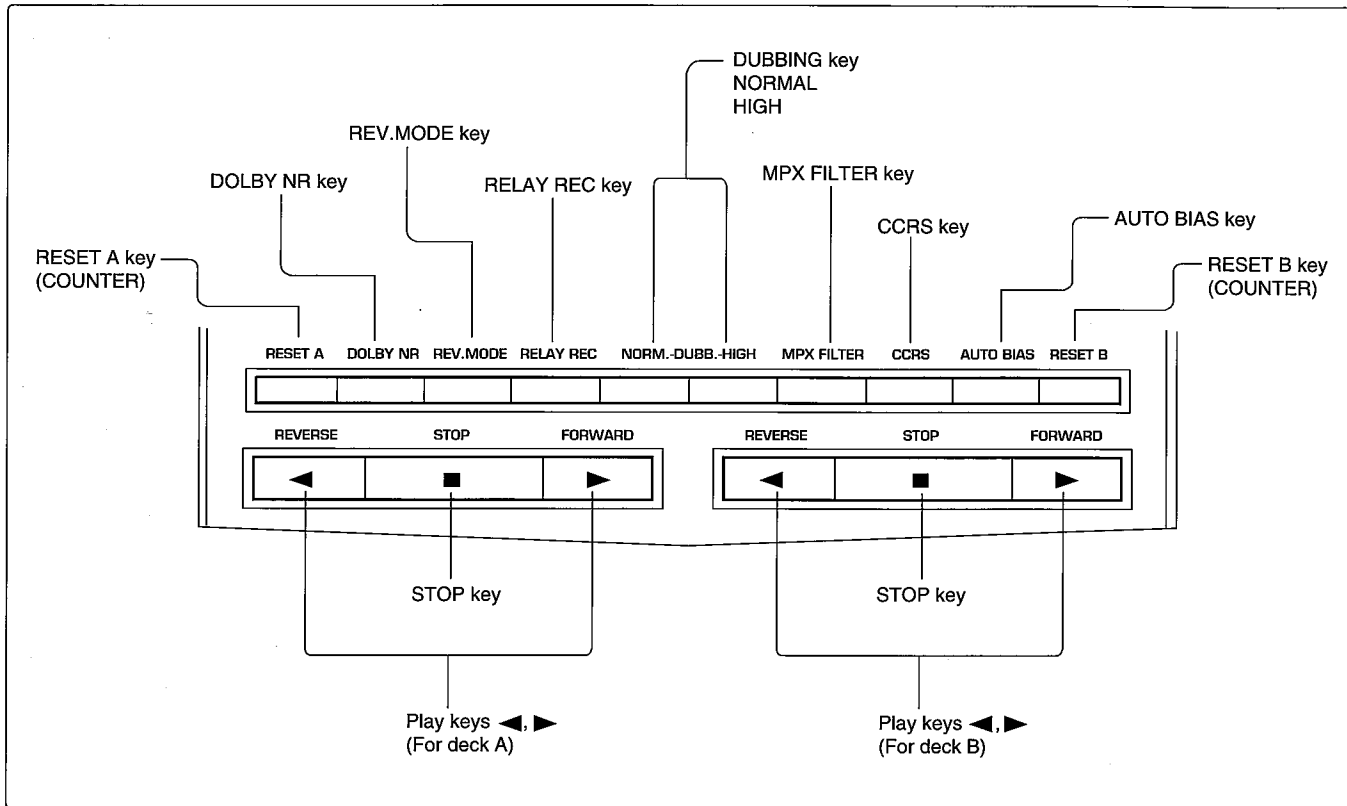
CONTROLS

This illustration shows the KX-W6080 model.

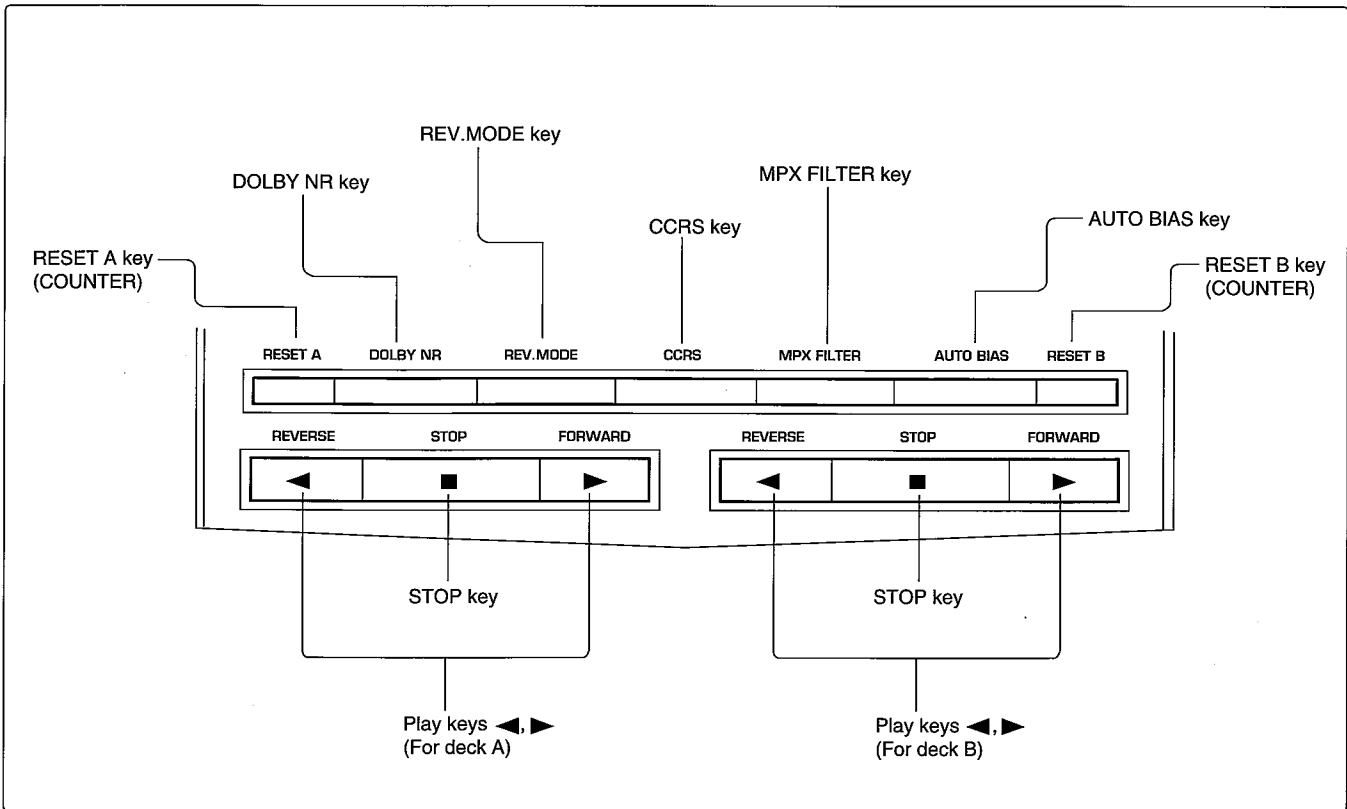


CONTROLS

■ Operation key section (KX-W6080)



■ Operation key section (KX-W4080)

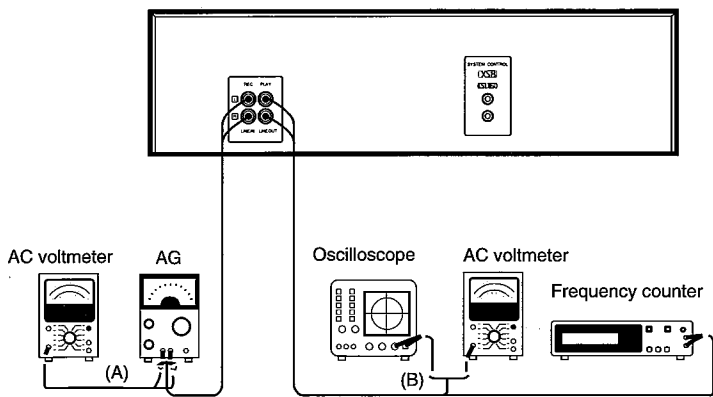


ADJUSTMENT

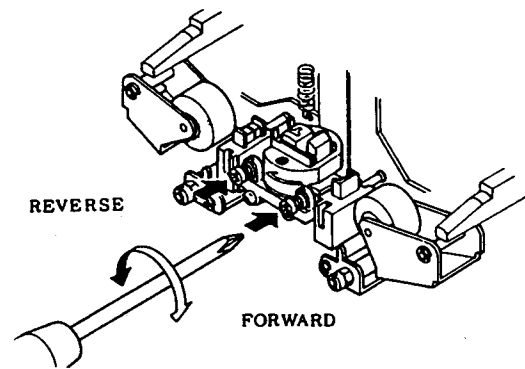
No.	ITEM	INPUT SETTING	OUTPUT SETTING	DECK SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, set the respective switches as follows : TAPE : NORMAL, DOLBY : OFF 0dBs = 0.775V							
I. Cassette mechanism section (Adjustment of the REC/PLAY HEAD)							
(1)	DEMAGNETIZATION and CLEANING	—	—	POWER OFF Demagnetization Cleaning PLAY	REC/PLAY head Erase head Capstan Pinch roller	Demagnetize the REC/PLAY head with a head eraser. Clean the REC/PLAY head erase head, capstan and pinch roller using a cotton swab slightly damped with alcohol.	
(2)	AZIMUTH of the REC/PLAY HEAD	SCC-1727 TCC-153 MTT-114 10kHz, -10dB	—	PLAY	 RVS FWD	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.	(a)
II. PC BOARD adjustment Note : Carry out the high-speed adjustment in the first place.							
[1]	TAPE SPEED (HI SPEED)	SCC-1727 TCC-110 MTT-111 3kHz	—	*TEST MODE	VR1 (A) VR2 (B)	Adjust the tape speed so that 6kHz is obtained at the center of the tape.	
[2]	TAPE SPEED (NORMAL)				VR3 (A) VR4 (B)	Adjust the tape speed so that 3kHz is obtained at the center of the tape.	

*Short circuit TP5, TP6 by diode (TP5 ← TP6) and turn the POWER ON. FF key : High-speed, PLAY key : Normal-speed.

System connections

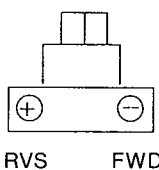


(a) Azimuth adjustment screw



*Please refer to Automatic Adjustment for Playing, Recording, BIAS level adjustment.

AJUSTES

Orden	ítem	Ajuste de entrada	Ajuste de salida	Ajuste de la platina	Puntos de ajuste	Método de ajuste	Fig.
A menos que se indique lo contrario, ajustar los interruptores respectivos de la manera siguiente : TAPE : NORMAL, DOLBY : OFF							0dBs = 0.775V
I. sección del mecanismo de la cassette (ajuste de la cabeza de GRABACION/ REPRODUCCION)							
(1)	DEMAGNETIZACION y LIMPIEZA	—	—	ALIMENTACION: apagado, desmagnetización, REPRODUCCION	Cabezas de GRABACION/ REPRODUCCION, cabezas de borrado, ejes de arrastre, rodillos presores	Demagnetizar las cabezas de grabación/reproducción con un borrador de cabezas. Limpiar las cabezas de grabación/ reproducción, cabezas de borrado, ejes de arrastre y rodillos presores con un bastoncillo de algodón humedecido en alcohol.	
(2)	ACIMUT de la cabeza de GRABACION/ REPRODUCCION	SCC-1727 TCC-153 MTT-114 10kHz, -10dB	—	REPRODUCCION (PLAY)	 RVS FWD	Ajustar la salida al nivel máximo y regular el tornillo de ajuste del acimut para la forma de onda de Lissajous del osciloscopio de manera que sea lo más cerano posible a una línea recta de 45°.	(a)
II. Ajuste de la tarjeta circuit impreso Nota : Efectuar primero el ajuste de la alta velocidad.							
[1]	VELOCIDAD DE LA CINTA (ALTA VELOCIDAD)	SCC-1727 TCC-110 MTT-111 3kHz	—	*MODE DE PRUEBA	PLATINA A:VR1 PLATINA B:VR2	Ajustar de manera que la hasta obtener un nivel de 6kHz en el centro de la cinta.	
[2]	VELOCIDAD DE LA CINTA (NORMAL)	—	—	—	PLATINA A:VR3 PLATINA B:VR4	Ajustar de manera que la hasta obtener un nivel de 3kHz en el centro de la cinta.	

*Cortocircuitar (en el diodo) TP5 y TP6 y alimentar energía. Tacia FF: alta velocidad ; tacia de reproducción: vidad normal.
(TP5 ← TP6)

ADJUSTMENT

Playback Level & REC Level Adjustment

1. Automatic adjustment

• Playback level adjustment

1. Turn the POWER OFF (AC OFF).
2. Insert the TCC-130 into respective deck A or B.
3. Short TP4-TP6 and turn the AC plug receptacle ON.
4. When "END P" is displayed in FL, adjustment is complete.
If an error occurs, it will display the location causing the "CAL E", "PL E", etc.
Turn the POWER OFF (AC OFF) or the REC PAUSE key twice (one press is for the test mode) to return to normal operation.

• Recording level and bias adjustment

1. Turn the POWER OFF (AC OFF).
2. Insert the TCC-106A into deck B.
3. Short TP4-TP6 and turn the AC plug receptacle ON.
4. When "END" is displayed in FL, adjustment is complete.
If an error occurs, it will display the location causing the "RL E", "BL E", etc.
Turn the POWER OFF (AC OFF) or the PAUSE key twice (one press is for the test mode) to return to normal operation.

• Indication items of FL tube

- END P Normal completion state of playback level adjustment mode.
END Normal completion state of all (playback/REC level) adjustment mode.
CAL E Lch ERR state of sensitivity correction.
CAR E Rch ERR state of sensitivity correction.

Counter A

- PL E Lch ERR state of A PB adjustment.
PR E Rch ERR state of A PB adjustment.

Counter B

- PL E Lch ERR state of B PB adjustment.
PR E Rch ERR state of B PB adjustment.

Counter B

- RL E Lch ERR state of B REC EQ adjustment.
RR E Rch ERR state of B REC EQ adjustment.

Counter B

- BL E Lch ERR state of B BIAS adjustment.
BR E Rch ERR state of B BIAS adjustment.


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

• Playback level adjustment

1. Turn the POWER OFF (AC OFF).
2. Turn the AC plug receptacle ON while shorting the TP7-TP6. Then open TP7-TP6.
3. Insert the TCC-130 into deck A and play.
4. Deck A Lch level adjustment
The initial FL display is "PL 00". The "00" displays the step number. Since the initial value is set at 30, adjust it at this setting by turning the REC LEVEL () key.
Adjustment level : TCC-130 (200nWb/m) → -1dBs (690mV). When using 160nWb/m or 250nWb/m tapes set to 4dBs and 0dBs respectively.
5. Press the DUBB NOR key.
6. When the DISPLAY key is pressed, the display switches to the "PR 00".
7. Deck A Rch level adjustment : Same as Lch
8. Press the DUBB NOR key.
9. Press the DISPLAY 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 DISPLAY key.
14. Deck B Rch level adjustment
15. Press the DUBB NOR key.
16. Press the DISPLAY key.

• Recording level and bias adjustment

1. Insert the recording tape into deck B (A BEX TCC-108A or TDK AC-225) and set the AG to 400Hz.
2. Press the REC key to start recording and adjust the AG so that the output becomes -20dBs.
(If you press the PAUSE key at this time, manual adjustment will be cancelled, so be careful.)
Playback 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.
3. Press the DUBB NOR key.
4. Press the DISPLAY key.
5. Rch REC level adjustment : Same as Lch
6. Press the DUBB NOR key.
7. Press the DISPLAY key.
8. Set the AG to 125kHz, then press the REC key to begin recording. Adjust the AG so that the output becomes -20dBs. Playback the recorded tape and adjust the level volume so that the output becomes -20dBs.

KX-W4080/W6080

ADJUSTMENT

(It changes about 0.4dB~0.5dB with each step.)

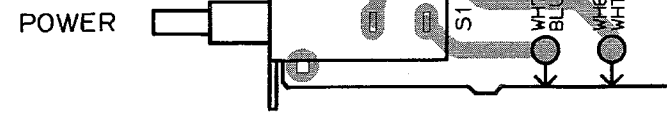
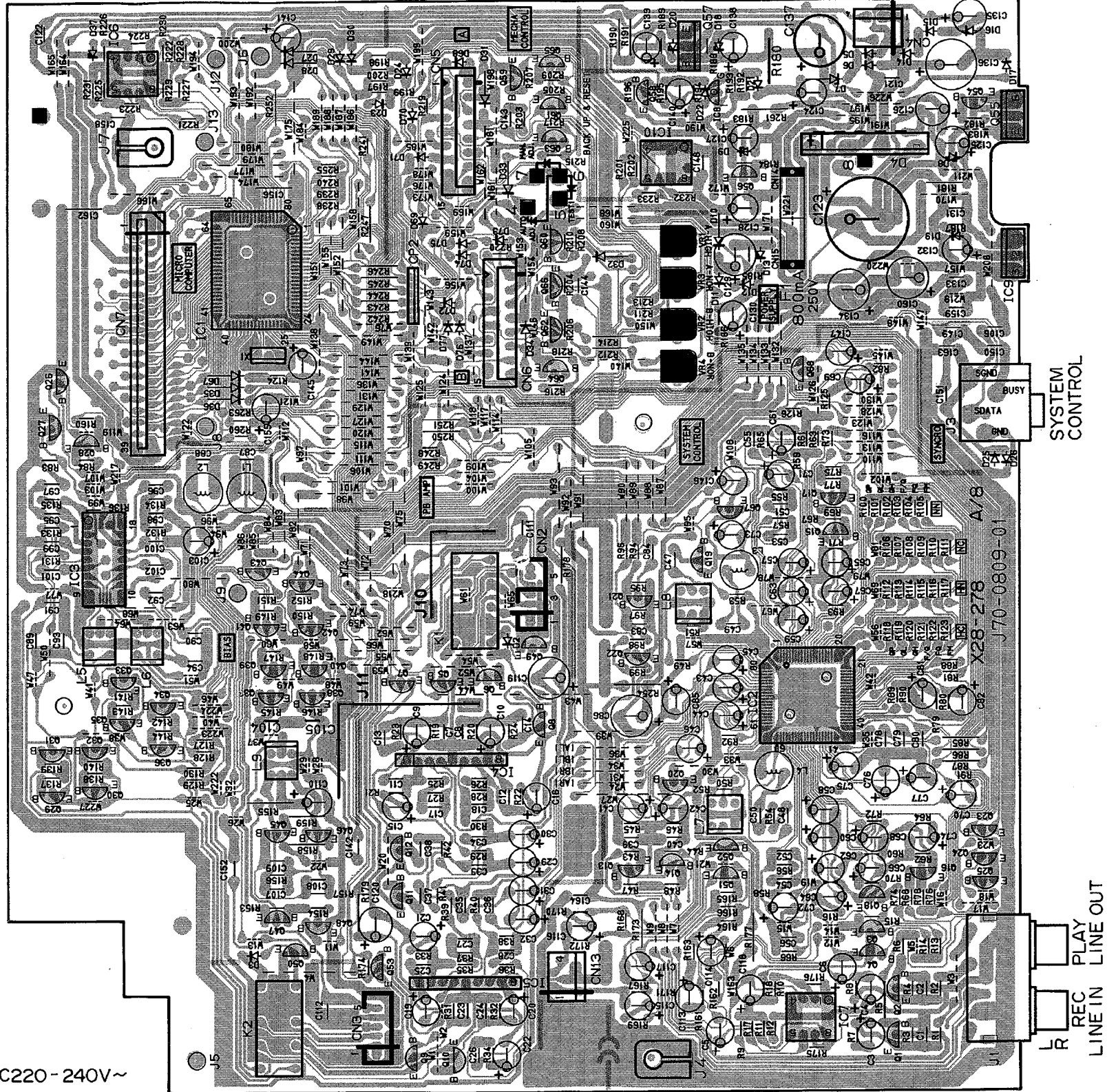
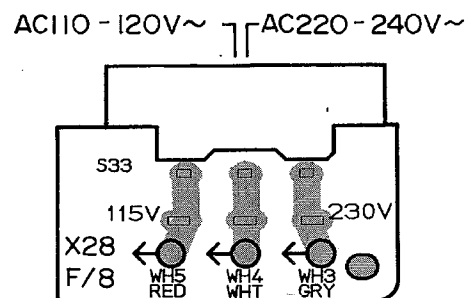
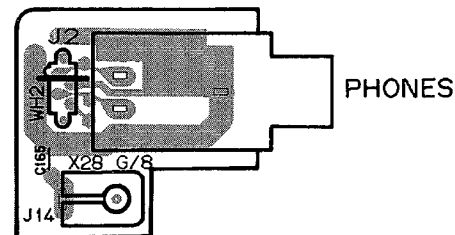
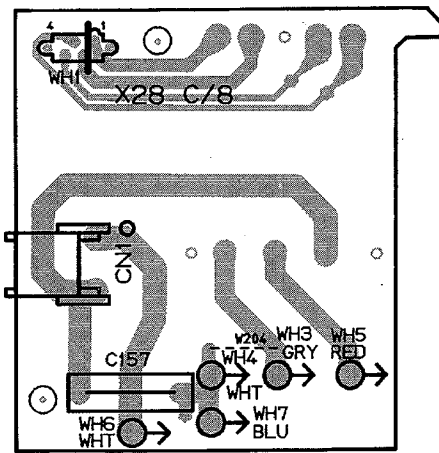
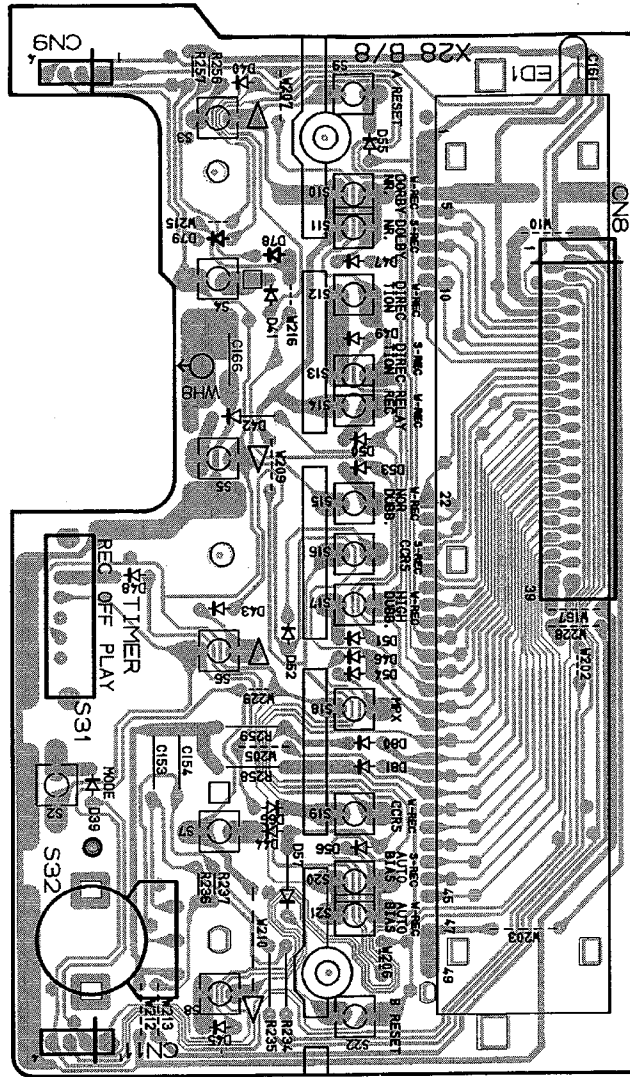
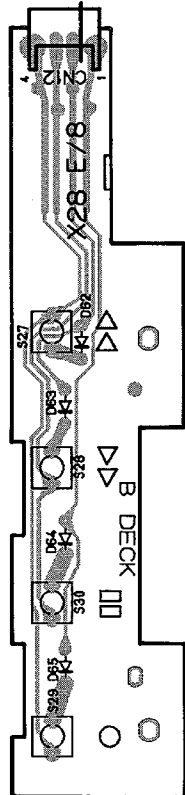
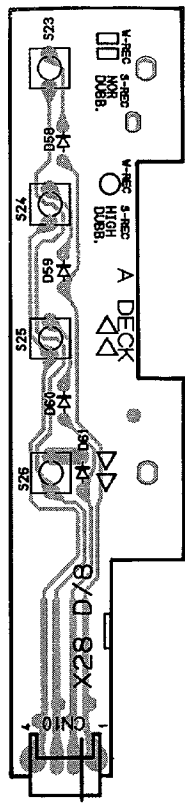
Lch REC bias adjustment.

9. Press the DUBB NOR key.
10. Press the DISPLAY key.
11. Deck B Rch bias adjustment
12. Press the DUBB NOR key.

NOTE :

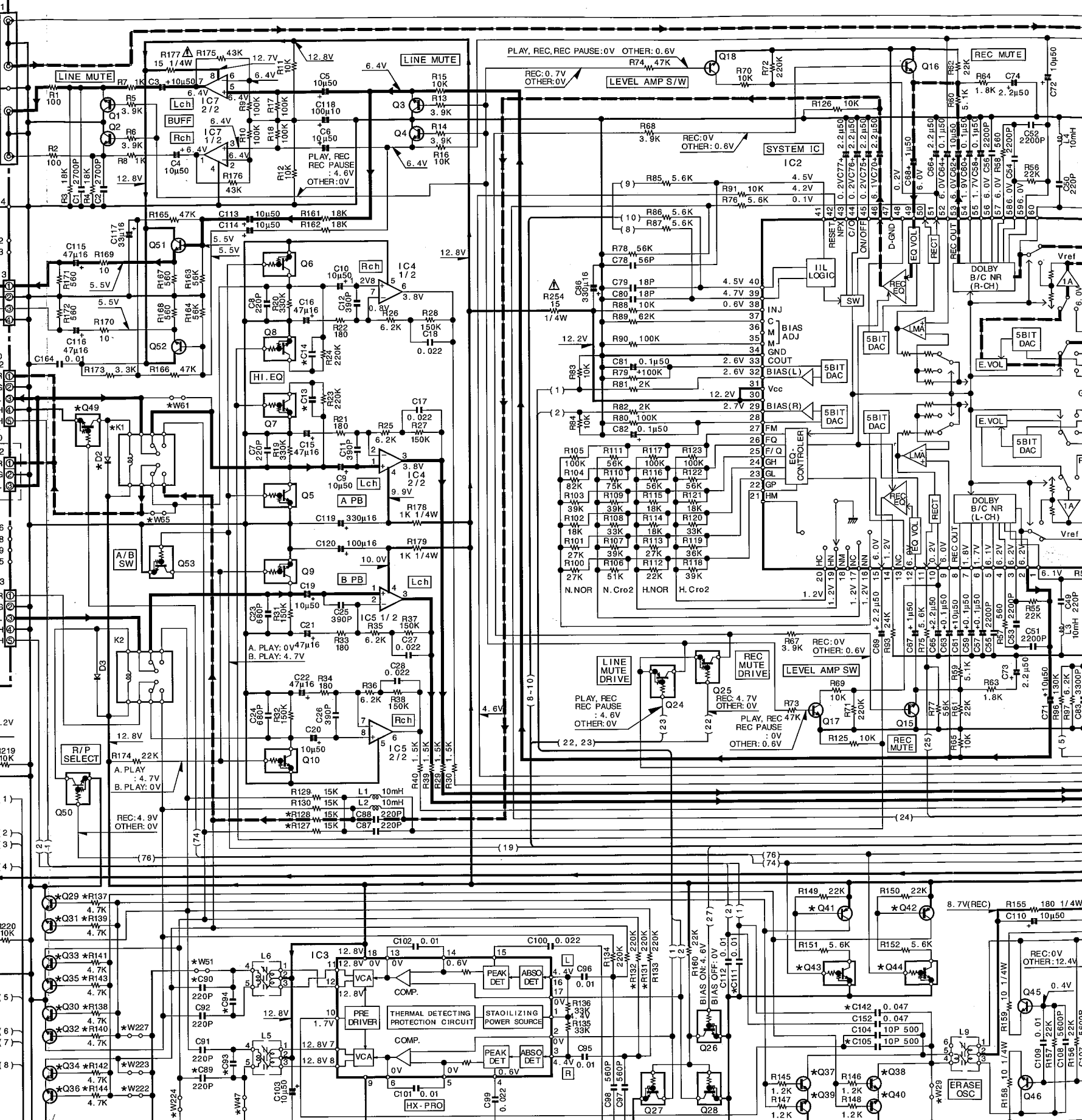
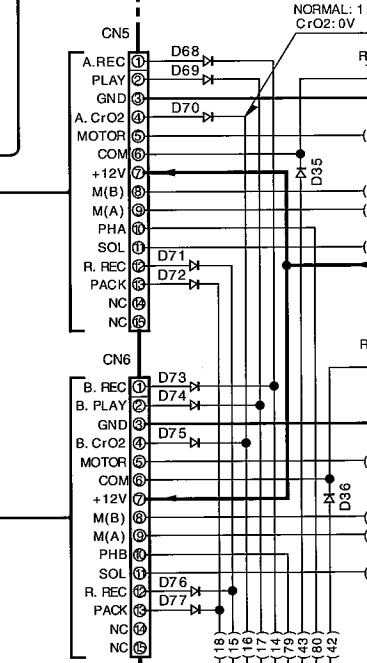
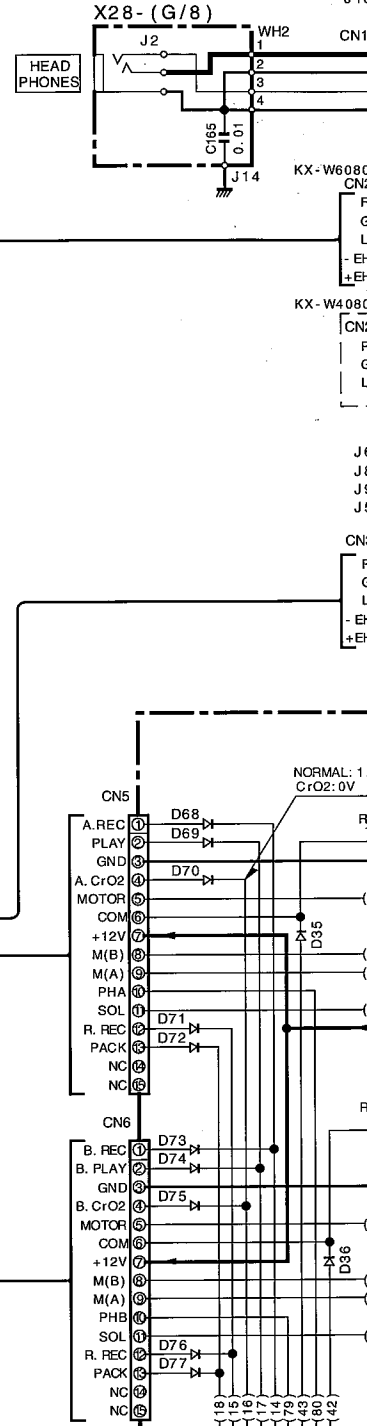
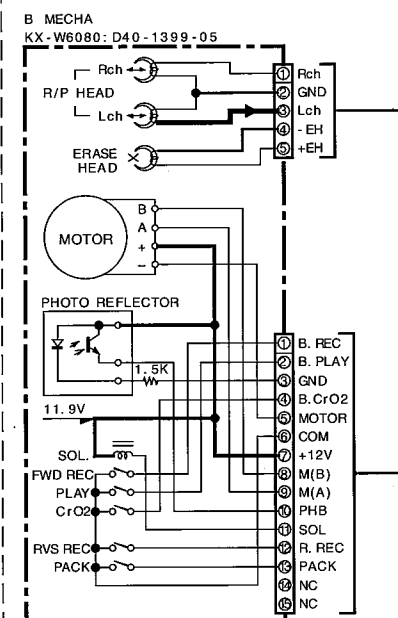
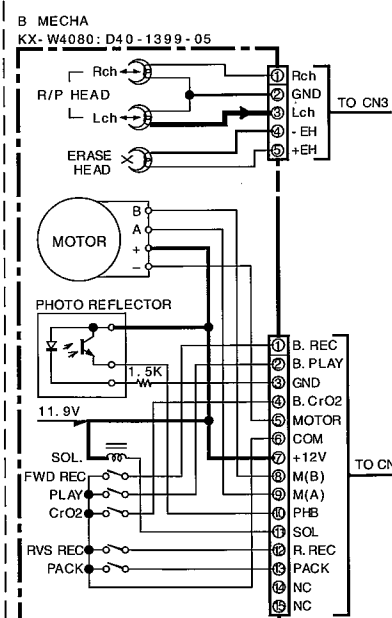
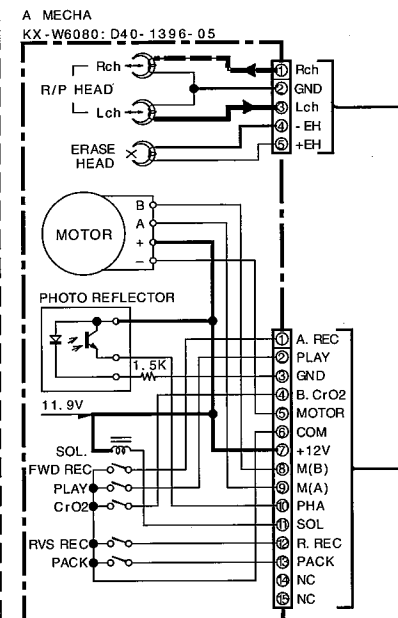
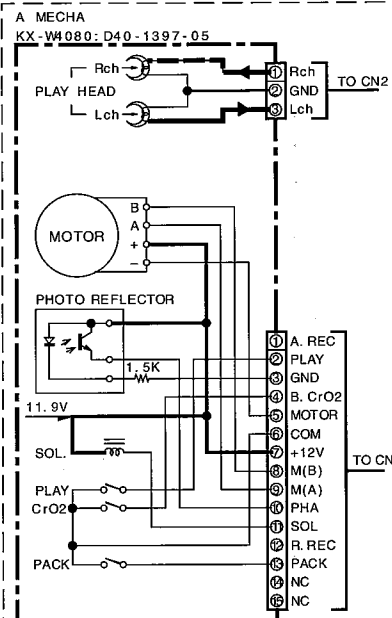
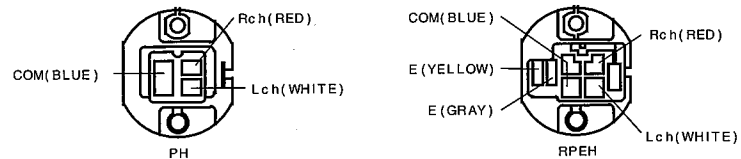
- The PAUSE key cancels the Adjustment mode, so do press it during adjustment.
- When adjusting manually, the DUBB NOR key and DUBB HIGH key respectively become the MODE WRITE and ALL WRITE keys, so you need not press the DUBB NOR key for each adjustment mode and can just press the DUBB HIGH key when all the adjustments have been completed.
- 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.

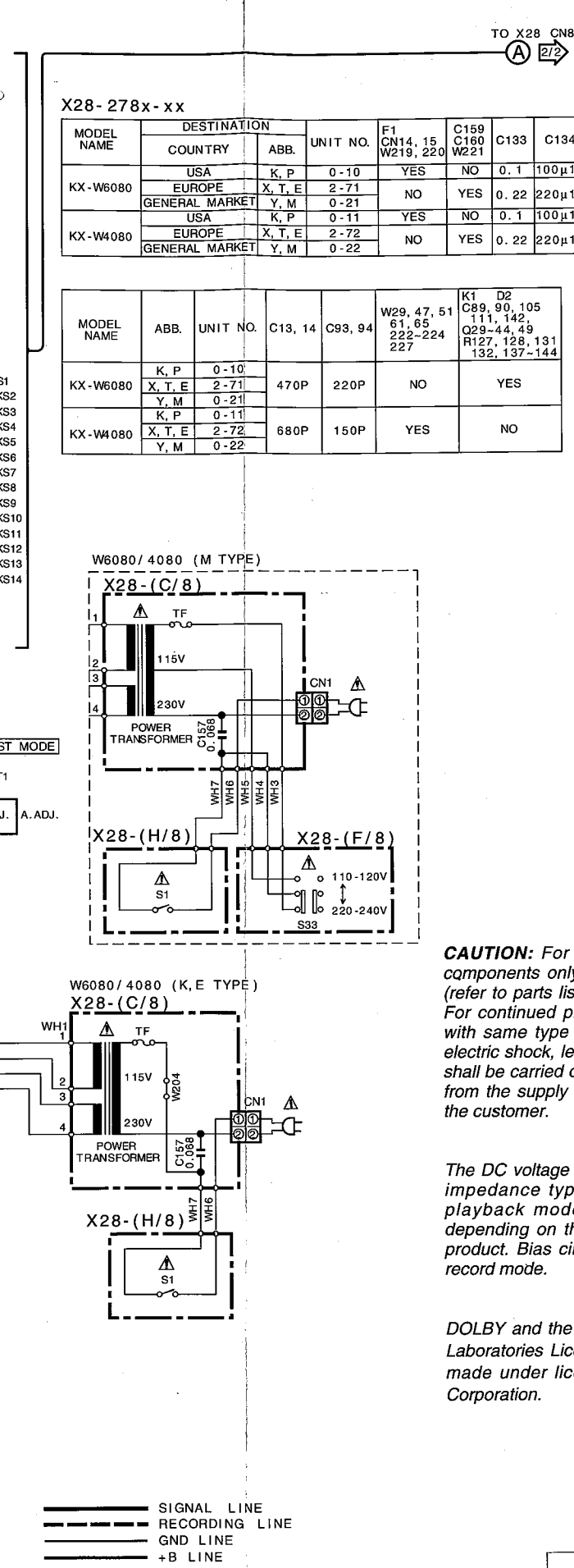
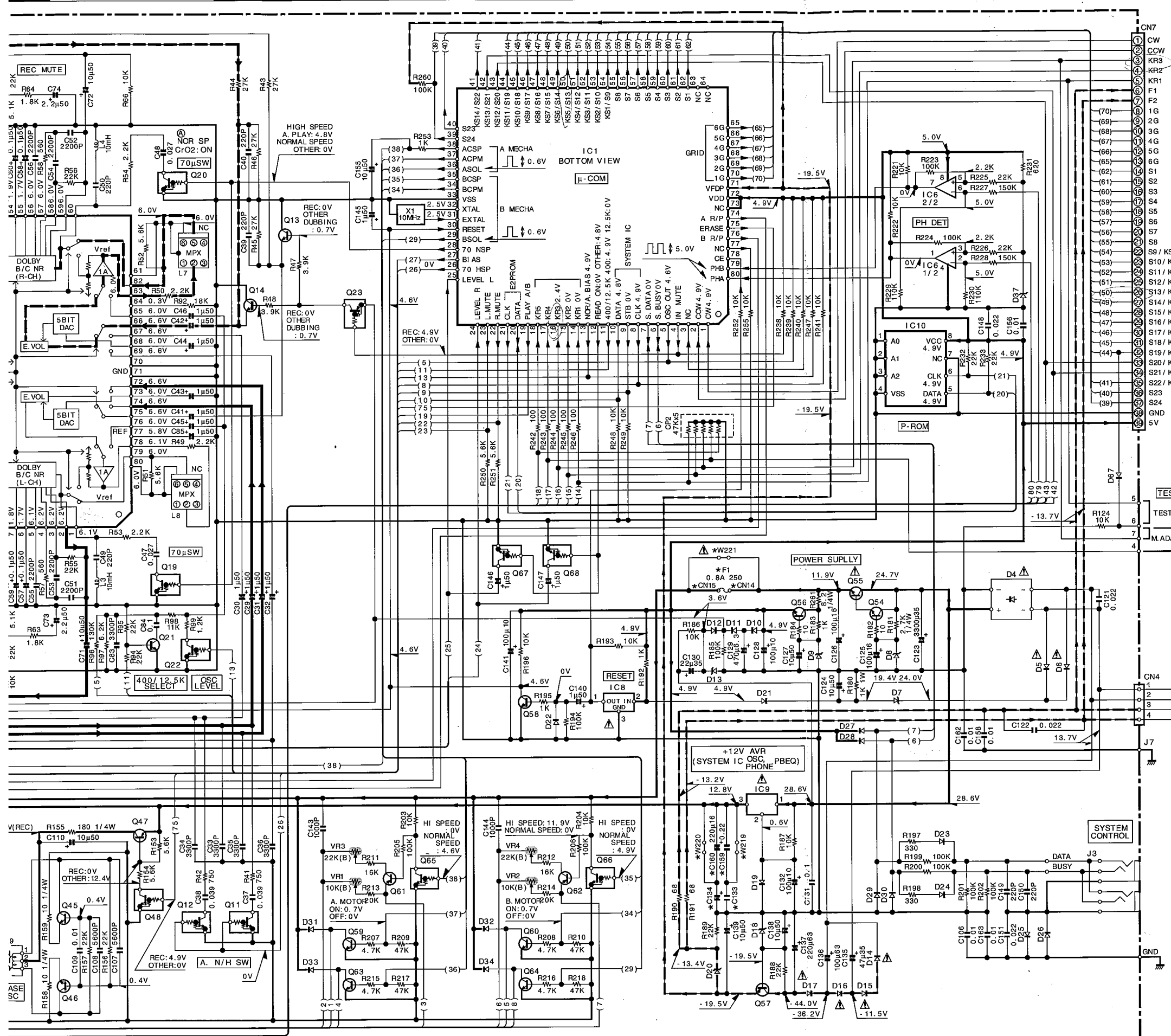
PC BOARD(Component side view)



Refer to the schematic diagram for the value of resistors and capacitors.

IC1 : CXP82540-136Q	Q1-4, 15, 16	: 2SD1450(S, T)	D2, 3, 5, 6, 10-12	: 1SS133 or
IC2 : HA12167FB	Q5-12, 19, 20, 22	: DTC124ES or	14-17, 19, 21-30	: HSS104
IC3 : UPC1297CA	Q26-28, 43, 44	: UN4212		
IC4, 5 : TA8125S	Q48-50, 53, 65-68		D4	: D3SBA20F03 or
IC6 : BA10393	Q13, 14, 17, 18	: 2SC3311A(Q, R) or	D7	: RBV-402LFA
IC7 : NJM4558D	Q21, 45, 46, 58	: 2SC2458(Y, GR)	D8	: RD6. 8ES(B2) or
IC8 : S-806D-Z	Q23-25	: DTA124ES or	D9, 20	: RD5. 6ES(B2) or
IC9 : BA17812T or	Q29-36, 51, 52, 54	: UN4112	D13	: RD3. 9ES(B2) or
IC10 : XL24C01AP	Q37-40	: 2SC1845(F, E)	D18	: RD20N(B2) or
	Q41, 42	: 2SC2003(L, K)	D31-34	: S5688B or
	Q47	: 2SA992(F, E)	D37	: 1SR139-100
	Q55	: 2SA1534A(R, S)		: RD2. 7ES(B2)
	Q56, 59, 60, 63, 64	: 2SD2374		
	Q57	: 2SC3246		
	Q61, 62	: 2SA1535A		
		: 2SA1309A(Q, R) or		
		: 2SA1048(Y, GR)		

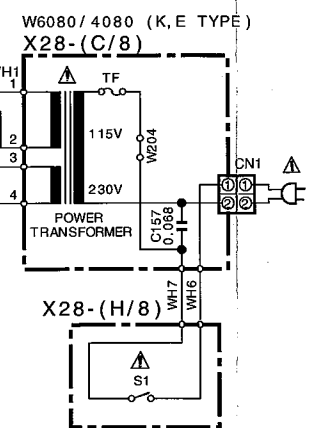
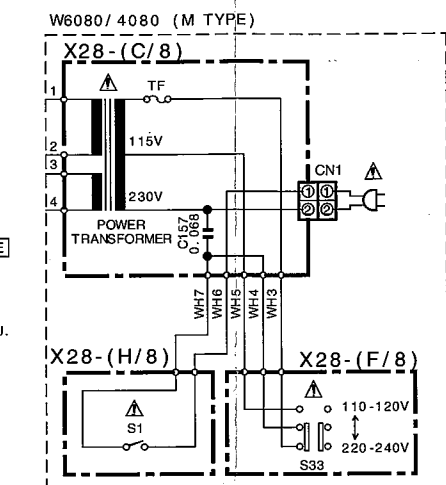




X28-278x-xx

MODEL NAME	DESTINATION		UNIT NO.	F1 CN14, 15 W219, 220	C159 C160 W221	C133	C134
	COUNTRY	ABB.					
KX-W6080	USA	K, P	0-10	YES	NO	0.1	100μ16
	EUROPE	X, T, E	2-71	NO	YES	0.22	220μ16
	GENERAL MARKET	Y, M	0-21	NO	NO	0.1	100μ16
KX-W4080	USA	K, P	0-11	YES	NO	0.1	100μ16
	EUROPE	X, T, E	2-72	NO	YES	0.22	220μ16
GENERAL MARKET	Y, M	0-22	NO	NO	0.22	220μ16	

MODEL NAME	ABB.	UNIT NO.	C13, 14	C93, 94	W29, 47, 51 61, 65 222-224 227	K1 D2 C89, 90, 105 111, 142, Q29-44, 49 R127, 128, 131 132, 137-144
KX-W4080	X, T, E	2-71				
	Y, M	0-21				
KX-W6080	K, P	0-11				
	X, T, E	2-72	680P	150P	YES	NO
KX-W4080	X, T, E	2-72				
	Y, M	0-22				



CAUTION: For continued safety, replace saf components only with manufacturer's recomme (refer to parts list). Δ indicates safety critical cc For continued protection against risk of fire, re with same type and rating fuse(s). To reduce electric shock, leakage-current or resistance me shall be carried out (exposed parts are acceptabl from the supply circuit) before the appliance is the customer.

The DC voltage is an actual reading measured impedance type voltmeter with a cassette playback mode. The measurement value depending on the measuring instruments usec product. Bias circuit DC voltage is measured v record mode.

DOLBY and the double-D symbol are trademark Laboratories Licensing Corporation. Noise redu made under license from Dolby Laboratories Corporation.

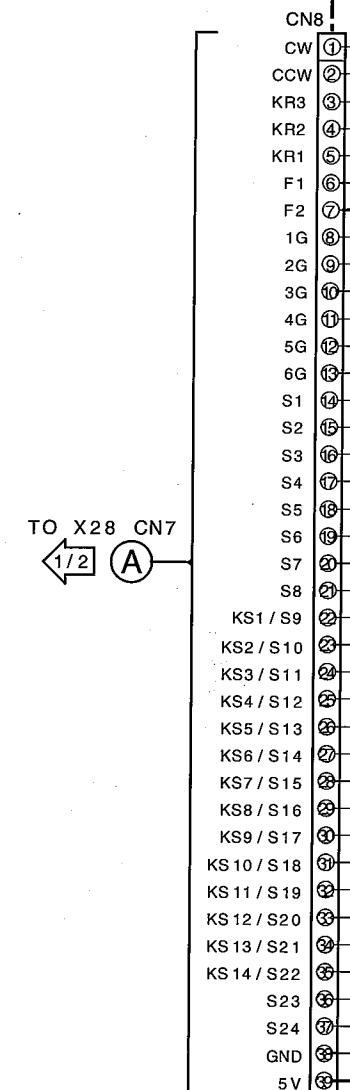
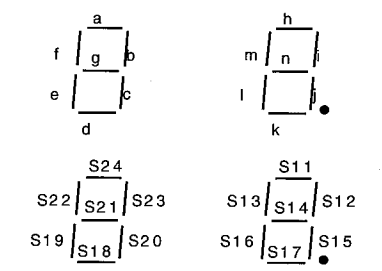
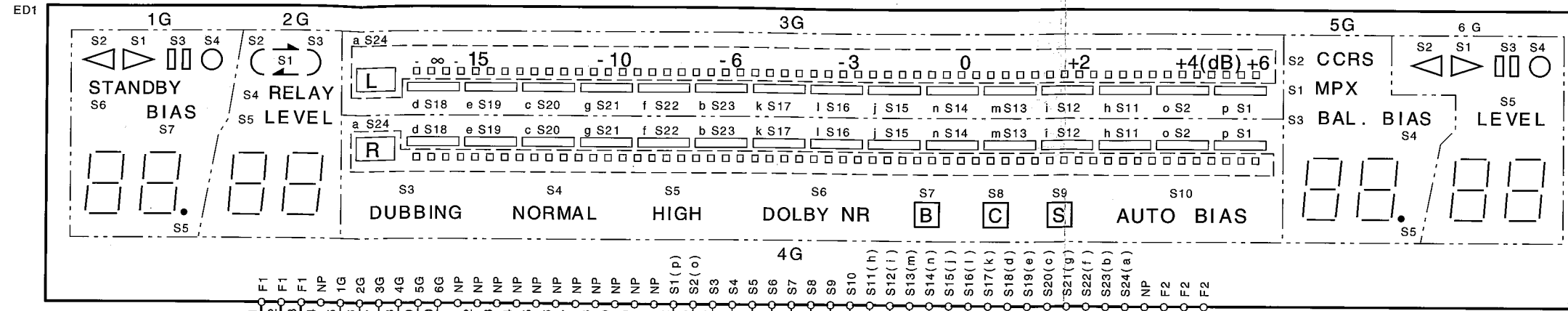
— SIGNAL LINE
 - - - RECORDING LINE
 ... GND LINE
 - + B LINE
 - - B LINE

KX-W6080/4080 (K) (1/2)

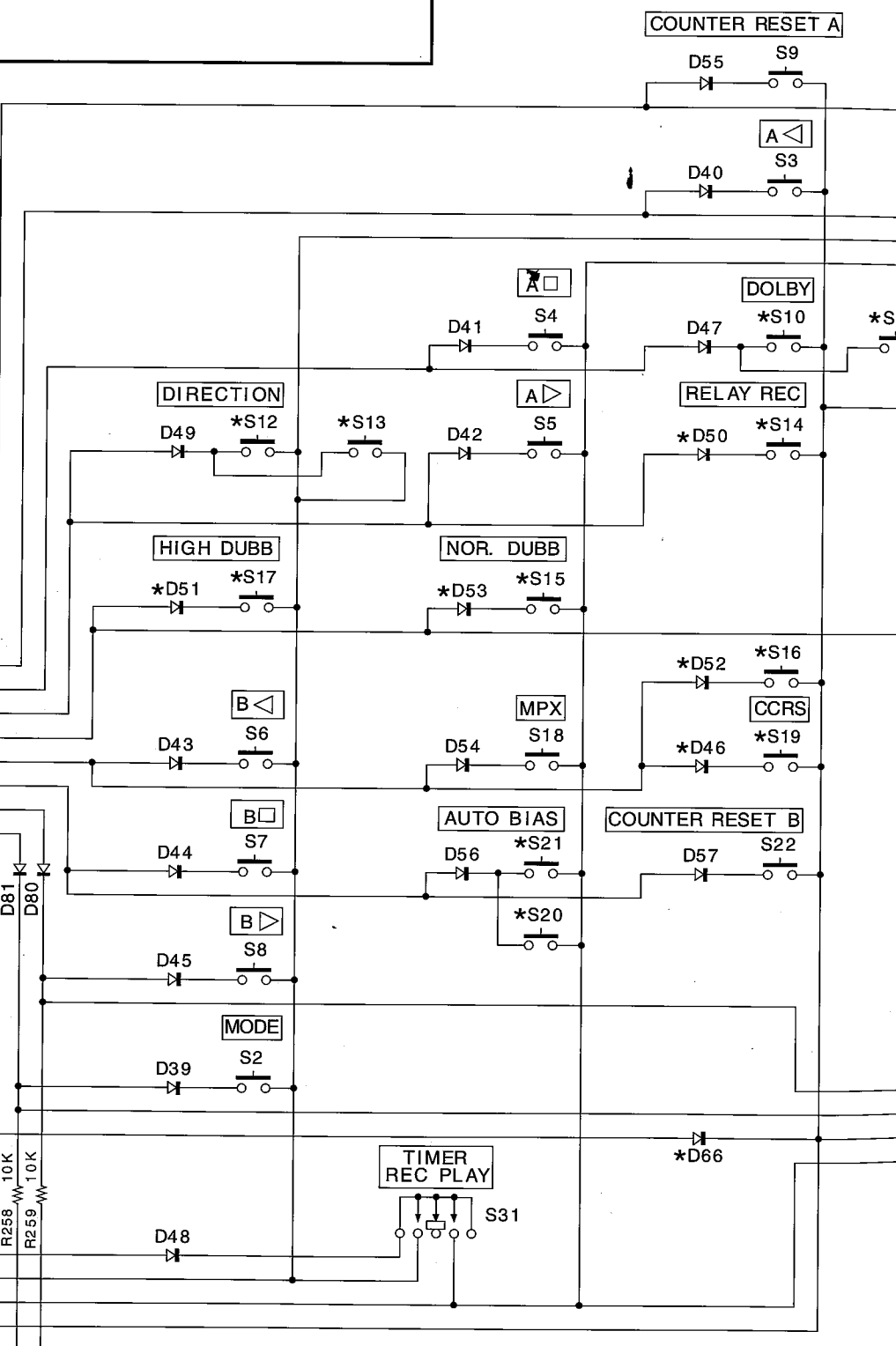
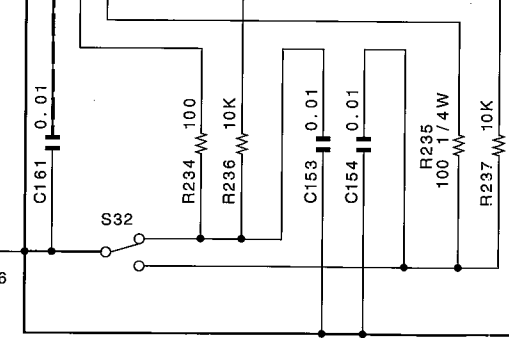
Y26-4100-10

KX-W4080
KENWOOD

X28-278x-xx (B/8)



TO X28 CN7
1/2 A



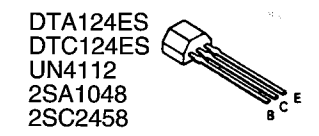
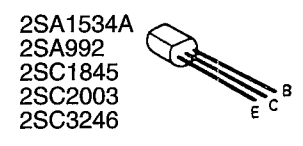
COUNTER RESET A

COUNTER RESET B

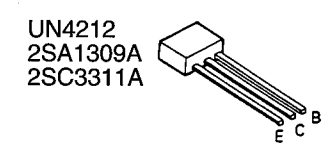
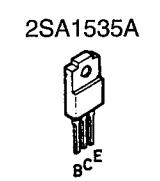
TIMER REC PLAY

X28 - 278x - xx

MODEL NAME	DESTINATION		UNIT NO.	S10, 12, 14, 15 17, 19, 21 D46, 50, 51 53, 66 W215	S11, 13 16, 20 D52 W216	D78	C166 WH8
	COUNTRY	ABB.					
KX-W6080	USA	K, P	0-10	YES	NO	1SS199	YES
	EUROPE	X, T, E	2-71				
	GENERAL MARKET	Y, M	0-21				
KX-W4080	USA	K, P	0-11	NO	YES	1SS133 or HSS104	NO YES
	EUROPE	X, T, E	2-72				
	GENERAL MARKET	Y, M	0-22				

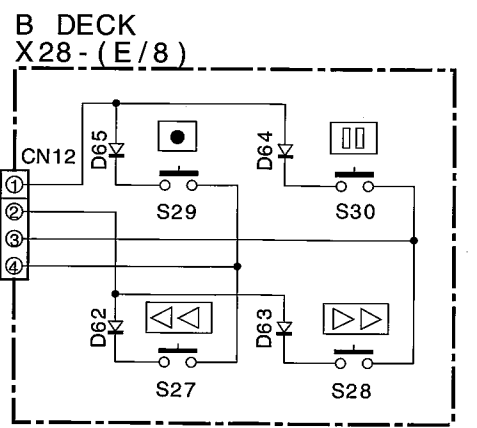
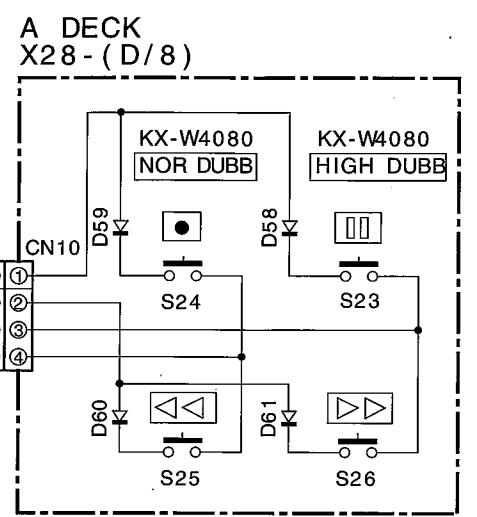
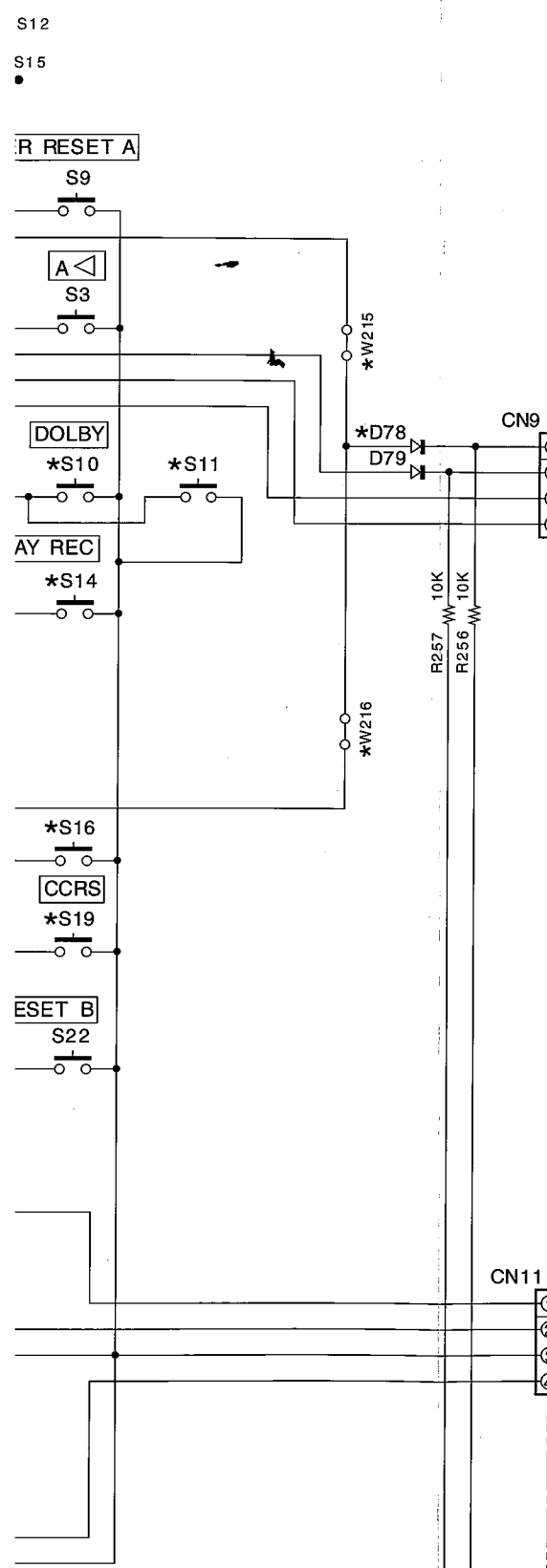
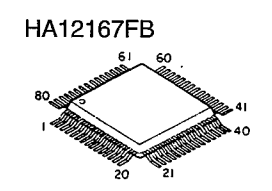
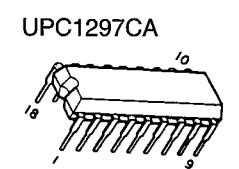
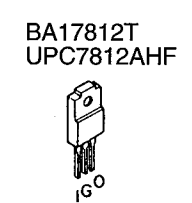
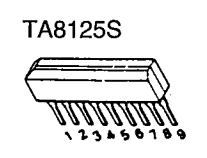
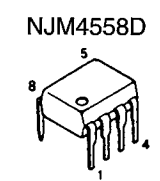


CAUTION: For continued safety, replace components only with manufacturer's replacement (refer to parts list). Δ indicates safety critical. For continued protection against risk of electric shock, leakage-current or resistance shall be carried out (exposed parts are at the supply circuit) before the application to the customer.



The DC voltage is an actual reading measurement impedance type voltmeter with a capacitor playback mode. The measurement depends on the measuring instrument product. Bias circuit DC voltage is measured in record mode.

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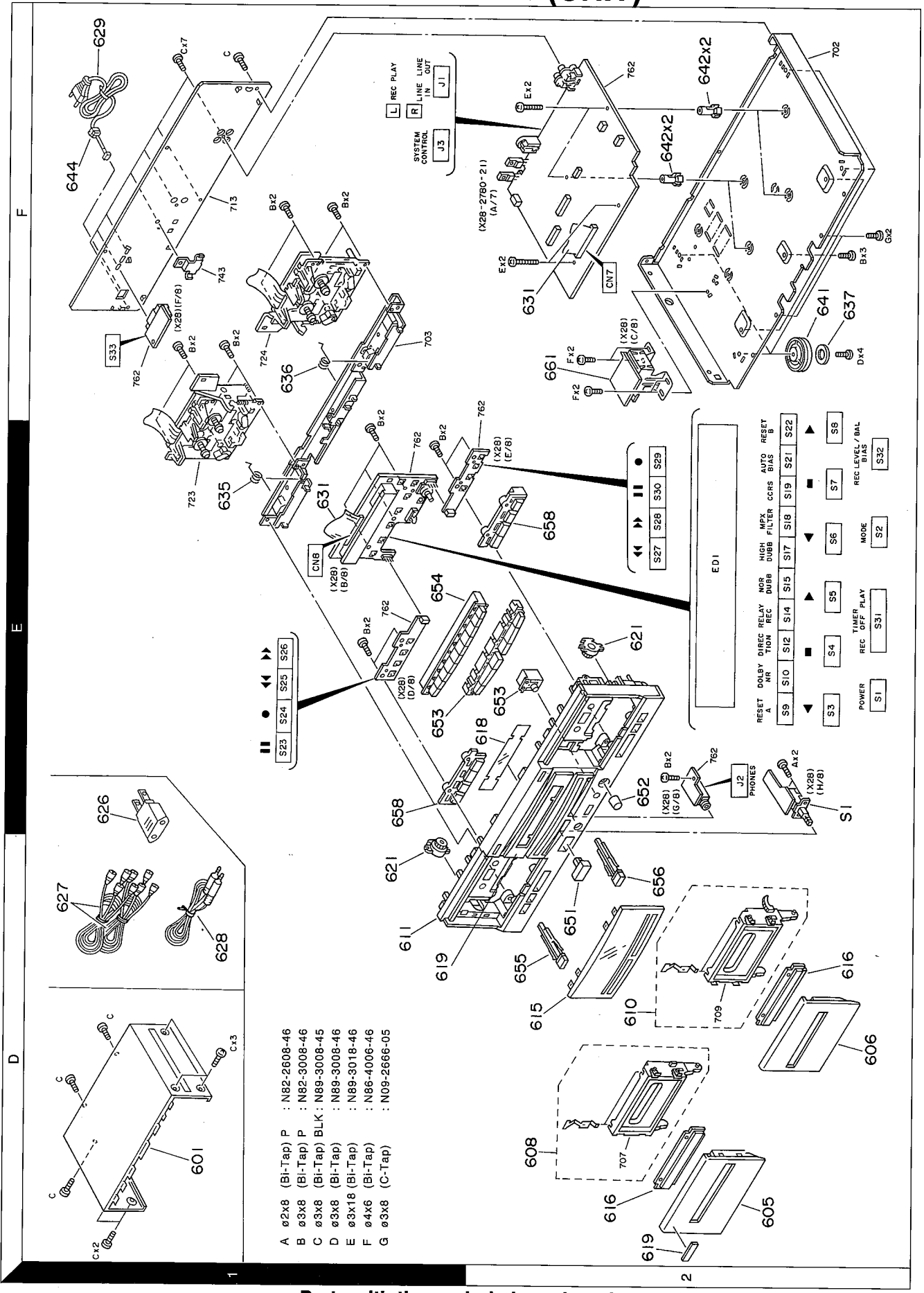
ED1 : FIP6AMW6
D39-66, 80, 81 : 1SS133 or HSS104
*D78
D79 : 1SS199

— GND LINE
= +B LINE
- - - -B LINE

KX - W6080/4080 (K) (2/2)

Y26-4100-10

EXPLODED VIEW (UNIT)



PARTS LIST

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
601	1D	*	A01-3275-11	METALLIC CABINET	KP	
605	2D	*	A53-1806-02	CASSETTE LID	YMXTE	
606	2D	*	A53-1809-02	CASSETTE LID	KP	
606	2D	*	A53-1807-02	CASSETTE LID	YMXTE	
608	2D	*	A53-1848-13	CASSETTE HOLDER ASSY (A)	KPY	6
610	2D	*	A53-1869-13	CASSETTE HOLDER ASSY (B)	KPY	4
611	2E	*	A60-0813-11	PANEL	MIXTE	6
611	2E	*	A60-0814-11	PANEL	MIXTE	6
611	2E	*	A60-0842-11	PANEL	MIXTE	6
611	2E	*	A60-0843-11	PANEL	MIXTE	6
615	2D	*	B10-2174-03	FRONT GLASS		
616	2D	*	B10-2175-03	FRONT GLASS		
618	2E	*	B10-2173-04	COLOR FILTER		
619	2E	*	B07-2292-13	ESCUTCHEON		
		*	B46-0092-43	WARRANTY CARD		
		*	B46-0096-53	WARRANTY CARD		
		*	B46-0121-33	WARRANTY CARD		
		*	B46-0197-00	QUESTIONNAIRE CARD		
		*	B46-0310-03	WARRANTY CARD		
		*	B46-0326-03	WARRANTY CARD		
		*	B58-0573-04	CAUTION CARD (PRESET220-240)		
		*	B58-0945-03	CAUTION CARD (UL)		
		*	B58-0964-13	CAUTION CARD (PL)		
		*	B58-0965-13	CAUTION CARD (PL)		
		*	B58-0966-13	CAUTION CARD (PL)		
		*	B59-1104-00	SERVICE DIRECTORY		
		*	B60-2396-00	INSTRUCTION MANUAL(ENGLISH)		
		*	B60-2397-00	INSTRUCTION MANUAL(FRENCH)		
		*	B60-2398-00	INSTRUCTION MANUAL(CHINESE)		
		*	B60-2399-00	INSTRUCTION MANUAL(SPANISH)		
		*	B60-2400-00	INSTRUCTION MANUAL(DUTCH)		
		*	B60-2401-00	INSTRUCTION MANUAL(GERMAN)		
		*	B60-2402-00	INSTRUCTION MANUAL(CHINESE)		
621	2E		D39-0314-05	DAMPER		
626	1E	Δ	E03-0115-05	AC PLUG ADAPTER		
627	1D	Δ	E30-0505-05	AUDIO CORD		
629	1F	Δ	E30-2787-05	AC POWER CORD		
629	1F	Δ	E30-2788-05	AC POWER CORD		
629	1F	Δ	E30-2789-05	AC POWER CORD		
629	1F	Δ	E30-2790-05	AC POWER CORD		
629	1F	Δ	E30-2816-05	CORD WITH PLUG		
629	1F	Δ	E30-2825-05	AC POWER CORD		
631	1E,2F	Δ	E35-1381-05	FLAT CABLE		
635	1E	Δ	G01-3838-04	TORSION COIL SPRING		
636	1F	Δ	G01-3839-04	TORSION COIL SPRING		
637	2F	Δ	G02-1057-14	FLAT SPRING		
		*	H10-7105-02	POLYSTYRENE FOAMED FIXTURE	KPYMXE	

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
		*	H10-7106-02	POLYSTYRENE FOAMED FIXTURE	KPYMXE	
		*	H10-7107-02	POLYSTYRENE FOAMED FIXTURE	T	
		*	H10-7108-12	POLYSTYRENE FOAMED FIXTURE	X	
		*	H13-0211-14	CARTON BOARD	M	
		*	H20-0568-04	PROTECTION COVER	KPYMXE	
		*	H25-0232-04	PROTECTION BAG (235X350X0.03)	KPYMXE	
		*	H25-0391-04	PROTECTION BAG (0232)	T	
		*	H25-0651-04	ITEM CARTON CASE	M	6
		*	H50-1683-04	ITEM CARTON CASE	M	6
		*	H50-1684-04	ITEM CARTON CASE	M	6
		*	H50-1685-04	ITEM CARTON CASE	T	6
		*	H50-1686-04	ITEM CARTON CASE	M	4
		*	H50-1687-04	ITEM CARTON CASE	M	4
		*	H50-1688-04	ITEM CARTON CASE	M	4
		*	H50-1879-04	ITEM CARTON CASE	C	J
641	2F	Δ	J02-1148-13	FOOT (D=46,H=14.5)		
642	2F	Δ	J19-3732-04	UNIT HOLDER		
644	1F	Δ	J42-0083-05	POWER CORD BUSHING		
		*	J61-0098-05	WIRE BAND		
		*	K27-2175-04	KNOB (BUTTON)		
651	2D	*	K29-5628-04	KNOB		
652	2E	*	K29-5628-04	KNOB		
653	2E	*	K29-6253-03	KNOB		
654	1E	*	K29-6255-03	KNOB(10KEY)		
654	1E	*	K29-6260-03	KNOB(7KEY)		
655	2D	*	K29-6257-04	KNOB		
656	2D	*	K29-6258-04	KNOB		
658	2E	*	K29-6256-03	KNOB		
661	2F	Δ	L07-1850-05	POWER TRANSFORMER	KP	
661	2F	Δ	L07-1851-05	POWER TRANSFORMER	YM	
661	2F	Δ	L07-1852-05	POWER TRANSFORMER	XTE	

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C1,2			C093FMG1H272J	MYLAR		
C3-6			CE04LW1H1000M	ELECTRO		
C7,8			CC45FSL1H221J	CERAMIC		
C9,10			CE04LW1H1000M	ELECTRO		
C11,12			CK45FB1H391K	CERAMIC		
C13,14			CK45FB1H471K	CERAMIC		
C13,14			CK45FB1H681K	CERAMIC		
C15,16			CE04LW1C470M	ELECTRO		
C17,18			C093FMG1H223J	MYLAR		
C19,20			CE04LW1H1000M	ELECTRO		
C21,22			CE04LW1C470M	ELECTRO		
C23,24			CK45FB1H681K	CERAMIC		
C25,26			CK45FB1H391K	CERAMIC		
C27,28			C093FMG1H223J	MYLAR		
C29-32			CE04LW1H010M	ELECTRO		
C33-36			CK45FB1H332K	CERAMIC		
C37,38			C093FMG1H393J	MYLAR		
C39,40			CC45FSL1H221J	CERAMIC		
C41,46			CE04LW1H010M	ELECTRO		
C47,48			C093FMG1H273J	MYLAR		
C49,50			CC45FSL1H221J	CERAMIC		
C51-56			C093FMG1H222J	MYLAR		
C57-60			CE04LW1H0R1M	ELECTRO		

* 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.

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 Parts without Parts No. are not supplied.
 Les articles non mentionnés dans le Parts No. ne sont pas fournis.
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L: Scandinavia K: USA P: Canada 4: W4080
 Y: PX(Far East, Hawaii) T: Europe E: Europe 6: W6080
 Y: AAFES(Europe) X: Australia M: Other Areas Δ indicates safety critical components.

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Table with columns: Ref. No., Add. res., New Parts, Parts No., Description, Re-mark, and Re- marks. Contains parts like capacitors, resistors, and connectors.

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Table with columns: Ref. No., Add. res., New Parts, Parts No., Description, Re-mark, and Re- marks. Contains parts like diodes, transistors, and ICs.

L : Scandinavia K : USA P : Canada Y : PX(Far East, Hawaii) T : Europe E : Europe 6 : W6080 Y : AAFES(Europe) X : Australia M : Other Areas Δ indicates safety critical components.

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Table with columns: Ref. No., Add. res., New Parts, Parts No., Description, Re-mark, and Re- marks. Contains parts like resistors, potentiometers, and relays.

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Table with columns: Ref. No., Add. res., New Parts, Parts No., Description, Re-mark, and Re- marks. Contains parts like relays, switches, and encoders.

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Table with 7 columns: Ref. No., Add. res., New Parts No., Description, Parts No., Ref. marks. Includes parts like RETURN SPR, FWD SPR, HEAD RETURN PLATE SP, BRAKE SP (R), BRAKE SP (L), CLUTCH ARM SPRING (B), CLUTCH SP, PACK SPRING, AZIMUTH SPR, HEAD WIRE CLAMP, TUBE, REFLECT SEAL, HEAD CHASSIS SP, CABLE HOLDER, HEAD BASE, HEAD RETURN PLATE, HEAD PLATE ASSY, REEL BUSH, FILAMENT TAPE, BRACKET (L) (B MECHA), BRACKET (R) (A MECHA), EJECT COLLAR, POLY WASHES, TAPPING SCREW, HEAD SCREW, BIND TAP TITE SCREW, AZIMUTH SCREW, BIND TAP TITE SCREW 2.6 #6, POLY WASHES, REC SWITCH, PLAY SWITCH, SOLENOID ASSY, PHOTO INTERRUPTER, MOTOR ASSY, ROTATION HD (R) (B) (KP-7442-CS-8352), ROTATION HD (R) (PKC-9242-CB-8354), ROTATION HD (R) (PKC-9242-CB-8354).

Table with 7 columns: Ref. No., Add. res., New Parts No., Description, Parts No., Ref. marks. Includes parts like TRANSISTOR, DIGITAL TRANSISTOR, MECHANISM ASSY (D40-1451-05 : W4080, 0-05 : W6080 : A, D40-1473-05 : B), HEAD CHASSIS, HEAD SEL2415E, FLYWHEEL (R) ASSY, FLYWHEEL (L) ASSY, SHIFT LEVER, HEAD CHANGE ARM, CAM GEAR, EJECT LEVER (L) (B MECHA), EJECT LEVER (R) (A MECHA), SELECT LEVER, CHASSIS OS ASSY, C/R LEVER, ARM (LEFT) (INTER LOCK), ARM (RIGHT) (INTER LOCK), ROTATION GEAR, REW GEAR, REEL GEAR, IDLER GEAR, RETURN GEAR, TRIGGER ARM, PINCH ARM (R) ASSY, PINCH ARM (L) ASSY, IDLER PULLEY, DRIVE BELT, CLUTCH BELT, REEL CAP (A), CLUTCH ARM ASSY, 15P FLAT RIBBON WIRE (A MECHA), 15P FLAT RIBBON WIRE (B MECHA), 3P HEAD WIRE ASSY (A MECHA), 5P HEAD WIRE ASSY (B MECHA), 5P HEAD WIRE ASSY (A MECHA), MOTOR WIRE, SPRING (L) (B MECHA), SPRING (R) (A MECHA), B.T SPRING, SHIFT LEVER SP, TRIGGER ARM SP, HEAD CHANGE ARM SP, EJECT SP, C/R LEVER SP, SELECT SP, SHIFT SP.

L: Scandinavia K: USA P: Canada 4: W4080 Y: PX(Far East, Hawaii) T: Europe E: Europe 6: W6080 Y: AAFFES(Europe) X: Australia M: Other Areas Δ indicates safety critical components.

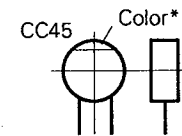
L: Scandinavia K: USA P: Canada 4: W4080 Y: PX(Far East, Hawaii) T: Europe E: Europe 6: W6080 Y: AAFFES(Europe) X: Australia M: Other Areas Δ indicates safety critical components.

PARTS DESCRIPTIONS

CAPACITORS

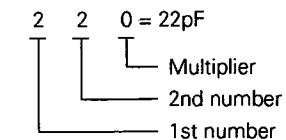
Table with columns: CC, 45, TH, 1H, 220, J, 1, 2, 3, 4, 5, 6.

1 = Type ... ceramic, electrolytic, etc. 4 = Voltage rating 2 = Shape ... round, square, ect. 5 = Value 3 = Temp. coefficient 6 = Tolerance



Capacitor value

010 = 1pF 100 = 10pF 101 = 100pF 102 = 1000pF = 0.001μF 103 = 0.01μF



Temperature coefficient

Table with columns: 1st Word, Color*, ppm/°C, C, L, P, R, S, T, U.

Table with columns: 2nd Word, ppm/°C, G, H, J, K, L.

Example : CC45TH = -470 ± 60ppm/°C

Tolerance (More than 10pF)

Table with columns: Code, C, D, G, J, K, M, X, Z, P, No code.

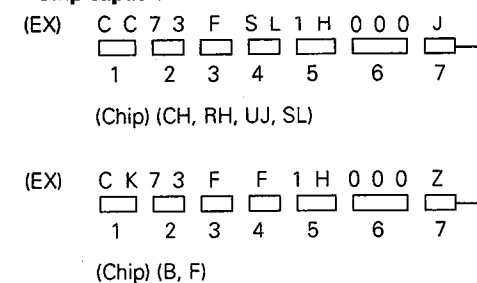
(Less than 10pF)

Table with columns: Code, B, C, D, F, G.

Voltage rating

Table with columns: 1st word, 2nd word, A, B, C, D, E, F, G, H, J, K, V.

Chip capacitors



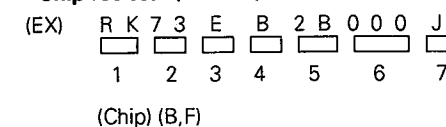
Refer to the table above. 1 = Type 2 = Shape 3 = Dimension 4 = Temp. coefficient 5 = Voltage rating 6 = Value 7 = Tolerance

Dimension (Chip capacitors)

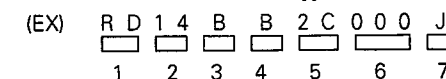
Table with columns: Dimension code, L, W, T.

RESISTORS

Chip resistor (Carbon)

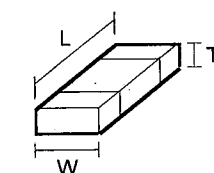


Carbon resistor (Normal type)



1 = Type 2 = Shape 3 = Dimension 4 = Temp. coefficient 5 = Rating wattage 6 = Value 7 = Tolerance

Dimension



Dimension (Chip resistor)

Table with columns: Dimension code, L, W, T.

Rating wattage

Table with columns: Code, Wattage.

KX-W4080/W6080

SPECIFICATIONS

[MODEL: KX-W6080]

Track System	4 track, 2 channel stereo	
Recording System	AC bias (Frequency: 105 kHz)	
Heads	A DECK Playback/recording heads ..1 Erasing head	1
	B DECK Playback/recording heads ..1 Erasing head	1
Motors.....	A DECK.....DC motor x 1 B DECK.....DC motor x 1	
Wow and Flutter	$\pm 0.17\%$ (IEC) $\pm 0.28\%$ (DIN) 0.1 % (W.R.M.S)	
Fast Winding Time	Approx. 110 seconds (C-60 tape)	
Frequency Response		
TYPE I tape	30 Hz to 18,000 Hz, ± 3 dB	
TYPE II tape	30 Hz to 19,000 Hz, ± 3 dB	
Signal to Noise Ratio		
Dolby NR OFF.....	.56 dB (IEC, 250 nWb/m, TYPE II tape)	
Dolby NR OFF.....	.59 dB	
Dolby B NR ON68 dB	
Dolby C NR ON75 dB (3rd, H.D., 3 %, TYPE II tape)	
Harmonic Distortion.....	Less than 1.2 % (at 315 Hz, 3rd H.D., 250 nWb/m, TYPE II tape)	
Input sensitivity/Impedance		
LINE IN.....	122.8 mV/47 k Ω	
Output Level/Impedance		
LINE OUT.....	.775 mV/1.0 k Ω	
Headphones.....	0.5 mW/32 Ω	

[General]

Power Consumption30W
Dimensions.....	W : 440 mm (17-5/16") H : 134 mm (5-1/4") D : 367 mm (14-7/16")
Weight (Net)	4.6 kg (10.1 lb)

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

[MODEL: KX-W4080]

Track System	4 track, 2 channel stereo	
Recording System	AC bias (Frequency: 105 kHz)	
Heads	A DECK Playback head	1
	B DECK Playback/recording heads ..1 Erasing head.....	1
Motors	A DECK.....DC motor x 1 B DECK.....DC motor x 1	
Wow and Flutter	$\pm 0.17\%$ (IEC) $\pm 0.28\%$ (DIN) 0.1 % (W.R.M.S)	
Fast Winding Time	Approx. 110 seconds (C-60 tape)	
Frequency Response		
TYPE I tape	30 Hz to 18,000 Hz, ± 3 dB	
TYPE II tape	30 Hz to 19,000 Hz, ± 3 dB	
Signal to Noise Ratio		
Dolby NR OFF.....	.56 dB (IEC, 250 nWb/m, TYPE II tape)	
Dolby NR OFF.....	.59 dB	
Dolby B NR ON68 dB	
Dolby C NR ON75 dB (3rd, H.D., 3 %, TYPE II tape)	
Harmonic Distortion.....	Less than 1.2 % (at 315 Hz, 3rd H.D., 250 nWb/m, TYPE II tape)	
Input sensitivity/Impedance		
LINE IN.....	122.8 mV/47 k Ω	
Output Level/Impedance		
LINE OUT.....	.775 mV/1.0 k Ω	
Headphones.....	0.5 mW/32 Ω	

[General]

Power Consumption30 W
Dimensions.....	W : 440 mm (17-5/16") H : 134 mm (5-1/4") D : 367 mm (14-7/16")
Weight (Net)	4.6 kg (10.1 lb)

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.

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