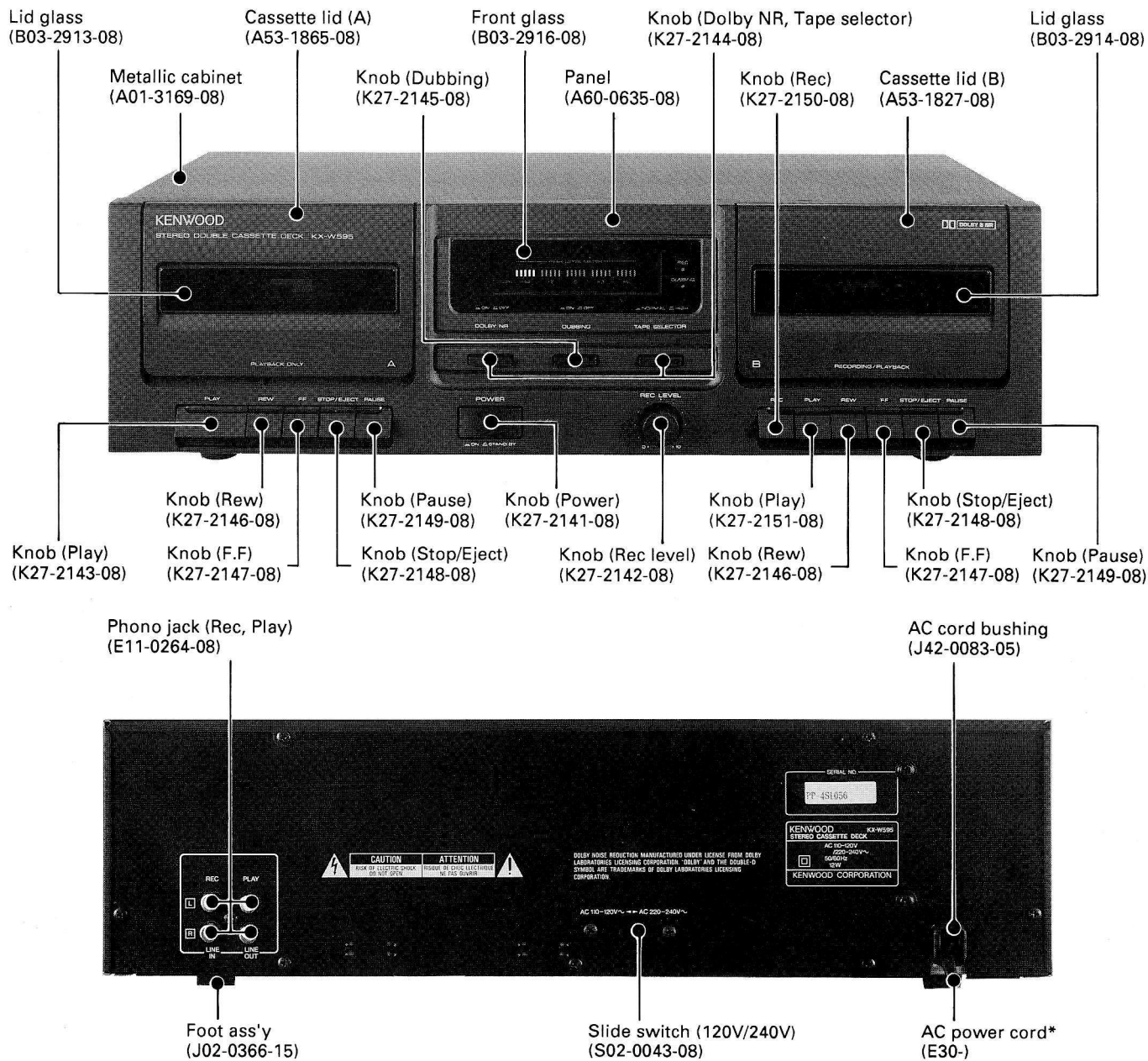


KX-W595

SERVICE MANUAL



***Refer to parts list on page 16.**

Refer to KR-W594/W1060 service manual (B51-4924-00), if you want to know more information of MECHANISM OPERATION DESCRIPTION.

CONTENTS/ACCESSORIES

CONTENTS

ACCESSORIES	2
ADJUSTMENT	3, 5
ADJUSTES	4, 5
WIRING DIAGRAM	6
PC BOARD (COMPONENT SIDE VIEW)	7
SCHEMATIC DIAGRAM	9
EXPLODED VIEW : MECHANISM (DECK-A)	13
EXPLODED VIEW : MECHANISM (DECK-B)	14
EXPLODED VIEW (UNIT)	15
PARTS LIST	16
SPECIFICATIONS	BACK COVER

Refer to **KR-W594/W1060** service manual (**B51-4924-00**),
if you want to know more information of **MECHANISM OPERATION DESCRIPTION**.

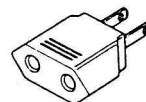
ACCESSORIES

- Audio cord 1
(E30-0615-05)



- Instruction manual 1
(B60-2084-08) : English / **K, Y, X, R** type
(B60-2085-08) : English, Chinese / **M, R** type
(B60-2086-08) : English, French / **P** type
(B60-2087-08) : Spanish / **M, R** type

- AC plug adaptor 1
(E03-0115-05) : **M** type only



*Except for some areas.
For the unit with a European AC plug in
areas other than Europe.*

ADJUSTMENT

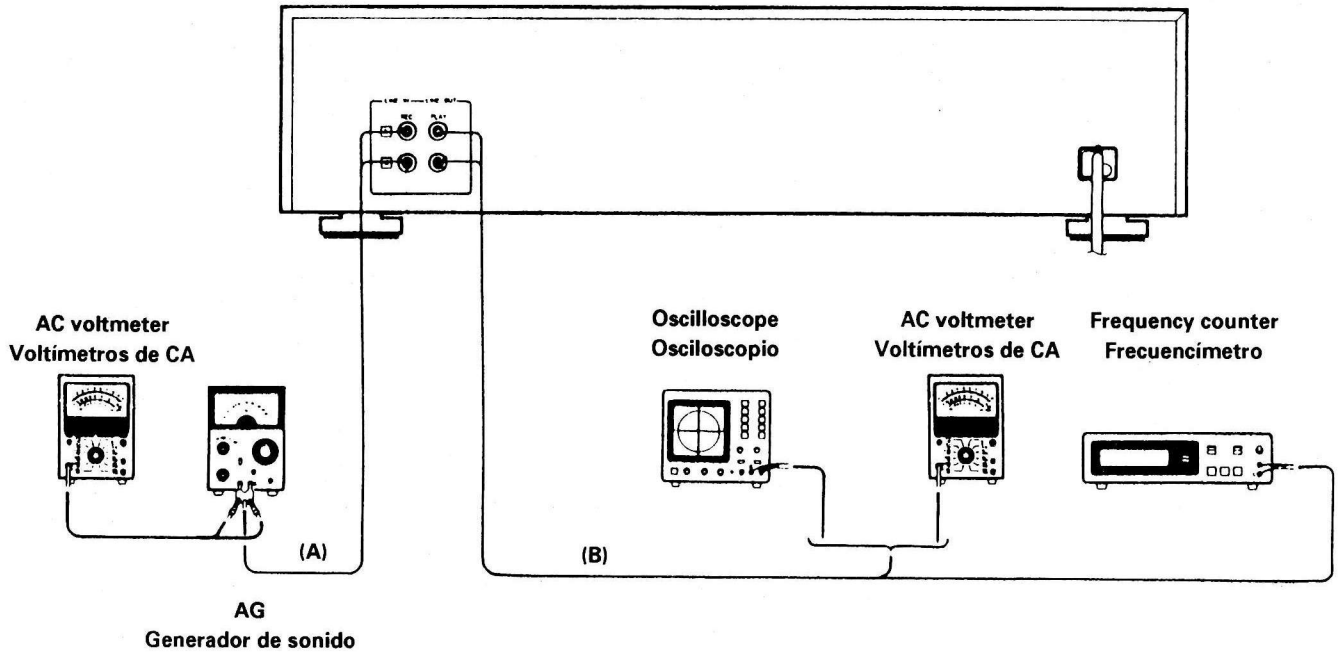
No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	CASSETTE TAPE DECK SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
CASSETTE DECK SECTION		TAPE : NORMAL, DOLBY : OFF, INPUT : LINE			0dBs=0.775V		
I. REC/PLAY HEAD							
[1]	DEMAGNETIZATION	-	-	POWER OFF Remove the cassette door.	REC/PLAY head	Demagnetize the REC/PLAY head with a head demagnetizer.	
[2]	CLEANING	-	-	PLAY	REC/PLAY head Erase head Capstan Pinch roller	Clean the REC/PLAY head erase head, capstan and pinch roller using a cotton swab slightly damped with alcohol.	
[3]	AZIMUTH	(A) MTT-114, TCC-153 10kHz, -10dB	(B)	PLAY	Azimuth adjustment screw	Maximum output.	(a)
II. DC MOTOR							
(1)	TAPE SPEED	(A) MTT-111, TCC-110 3kHz	(B)	PLAY	Trimming potentiometer in the DC motor.	Adjust the tape speed so that a 3kHz signal is produced at the center of the tape.	(b)
III. PC BOARD							
<1>	PLAYBACK LEVEL	MTT-150 400Hz (200nWb) MTT-256 315Hz (160nWb) MTT-256U, TCC-160 315Hz (250nWb)	(B)	PLAY	A SFR101 (L) SFR102 (R) B SFR103 (L) SFR104 (R)	Output level : -1dBs Output level : -4dBs Output level : 0dBs	
<2>	LED LEVEL	MTT-256U, TCC-160 315Hz (250nWb)	(B)	PLAY	SFR109 (L) SFR110 (R)	Adjust the variable resistors so that LED level of 0dBs is worked.	
<3>	BIAS CURRENT	(A) 1kHz, -20dBs 10kHz, -20dBs	(B)	Adjust REC level VR so that the REC monitor output becomes -20dBs at 1kHz, then record and reproduce signal of 1kHz and 10kHz in alternation.	SFR107 (L) SFR108 (R)	Record 1kHz and 10kHz in alternation and adjust the variable resistors which control the bias current so that the same playback level is obtained.	
<4>	RECORD LEVEL	(A) 1kHz, -20dBs	(B)	Record and reproduce a 1kHz signal under the conditions set in <3>.	SFR105 (L) SFR106 (R)	Adjust the variable resistors so that LED level of 20dBs is worked.	

AJUSTES

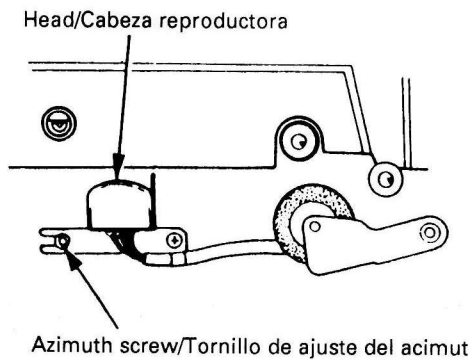
Núm.	ÍTEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL DECK DE CASETES	PUNTOS DE ALINEACIÓN	ALINEACIÓN PARA	FIG.
SECCIÓN DEL DECK DE CASETES		CINTA: NORMAL, DOLBY: DESACTIVADO, ENTRADA: LÍNEA				0dBs=0.775V	
I. CABEZA GRABADORA/REPRODUCTORA							
[1]	DESMAGNETIZACIÓN	-	-	ALIMENTACIÓN : DESCONECTADA Extraiga la puerta del casete.	Cabeza Grabadora/Reproductora	Desmagnetice la cabeza Grabadora/Reproductora con un desmagnetizador de cabezas.	
[2]	LIMPIEZA	-	-	REPRODUCCIÓN	Cabeza Grabadora/Reproductora, cabeza borradora, eje de arrastre, rodillo compresor	Limpie la cabeza Grabadora/Reproductora, la cabeza borradora, el eje de arrastre, y el rodillo compresor utilizando un palillo de cabeza de algodón ligeramente humedecido en alcohol.	
[3]	ACIMUT	(A) MTT-114, TCC-153 10kHz, -10dB	(B)	REPRODUCCIÓN	Tornillo de ajuste del acimut	Salida máxima.	(a)
II. MOTOR DE CC							
(1)	VELOCIDAD DE LA CINTA	(A) MTT-111, TCC-110 3kHz	(B)	REPRODUCCIÓN	Potenciometro de regulación del motor de CC	Ajuste la velocidad de la cinta de forma que la señal de 3kHz se produzca en el centro de la cinta.	(b)
III. TARJETA DE CIRCUITO IMPRESO							
<1>	NIVEL DE REPRODUCCIÓN	MTT-150 400Hz (200nWb) MTT-256 315Hz (160nWb) MTT-256U, TCC-160 315Hz (250nWb)	(B)	REPRODUCCIÓN	A SFR101 (L) SFR102 (R) B SFR103 (L) SFR104 (R)	Nivel de salida : -1dBs Nivel de salida : -4dBs Nivel de salida : 0dBs	
<2>	NIVEL DE LED	MTT-256U, TCC-160 315Hz (250nWb)	(B)	REPRODUCCIÓN	SFR109 (L) SFR110 (R)	Ajuste los resistores variables hasta obtener un nivel de LED de 0dBs.	
<3>	CORRIENTE DE POLARIZACIÓN	(A) 1kHz, -20dBs 10kHz, -20dBs	(B)	Ajuste REC LEVEL VR hasta que la salida del monitor de grabación sea de -20dBs a 1kHz, y después grabe y reproduzca alternativamente una señal de 1kHz a 10kHz.	SFR107 (L) SFR108 (R)	Grabe alternativamente 1kHz y 10kHz y ajuste los resistores variables que controlan la corriente de polarización hasta obtener el mismo nivel de reproducción.	
<4>	NIVEL DE GRABACIÓN	(A) 1kHz, -20dBs	(B)	Grabe y reproduzca una señal de 1kHz en las condiciones establecidas en <3>.	SFR105 (L) SFR106 (R)	Ajuste los resistores variables hasta obtener un nivel de reproducción de -20dBs.	

ADJUSTMENT/AJUSTES

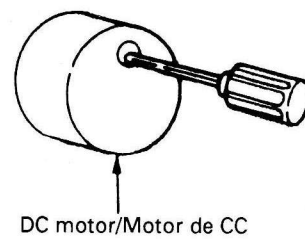
SYSTEM CONNECTIONS/CONEXIONES DEL SISTEMA



(a) AZIMUTH/ACIMUT

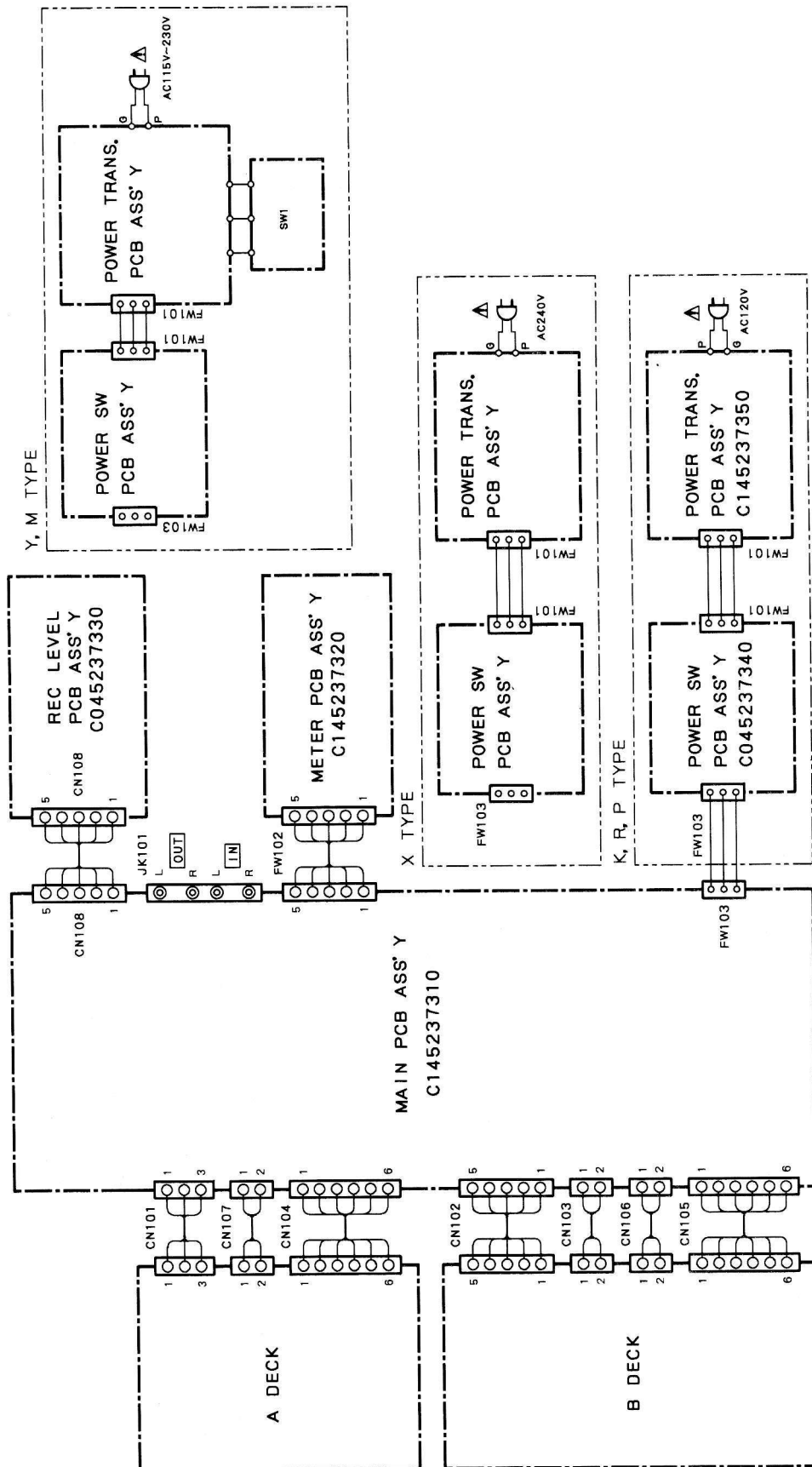


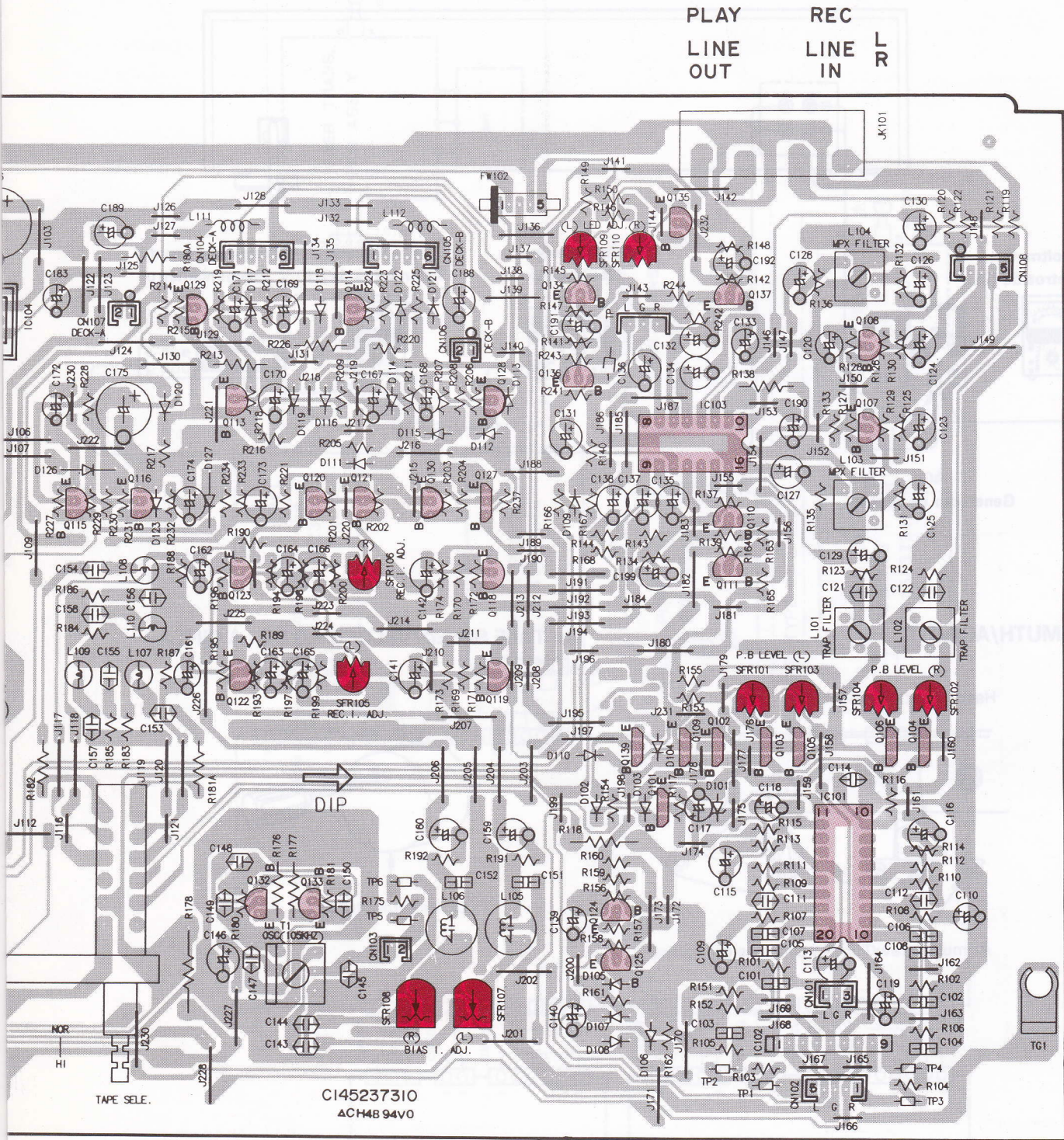
(b) TAPE SPEED/VELOCIDAD DE LA CINTA



KX-W595

WIRING DIAGRAM

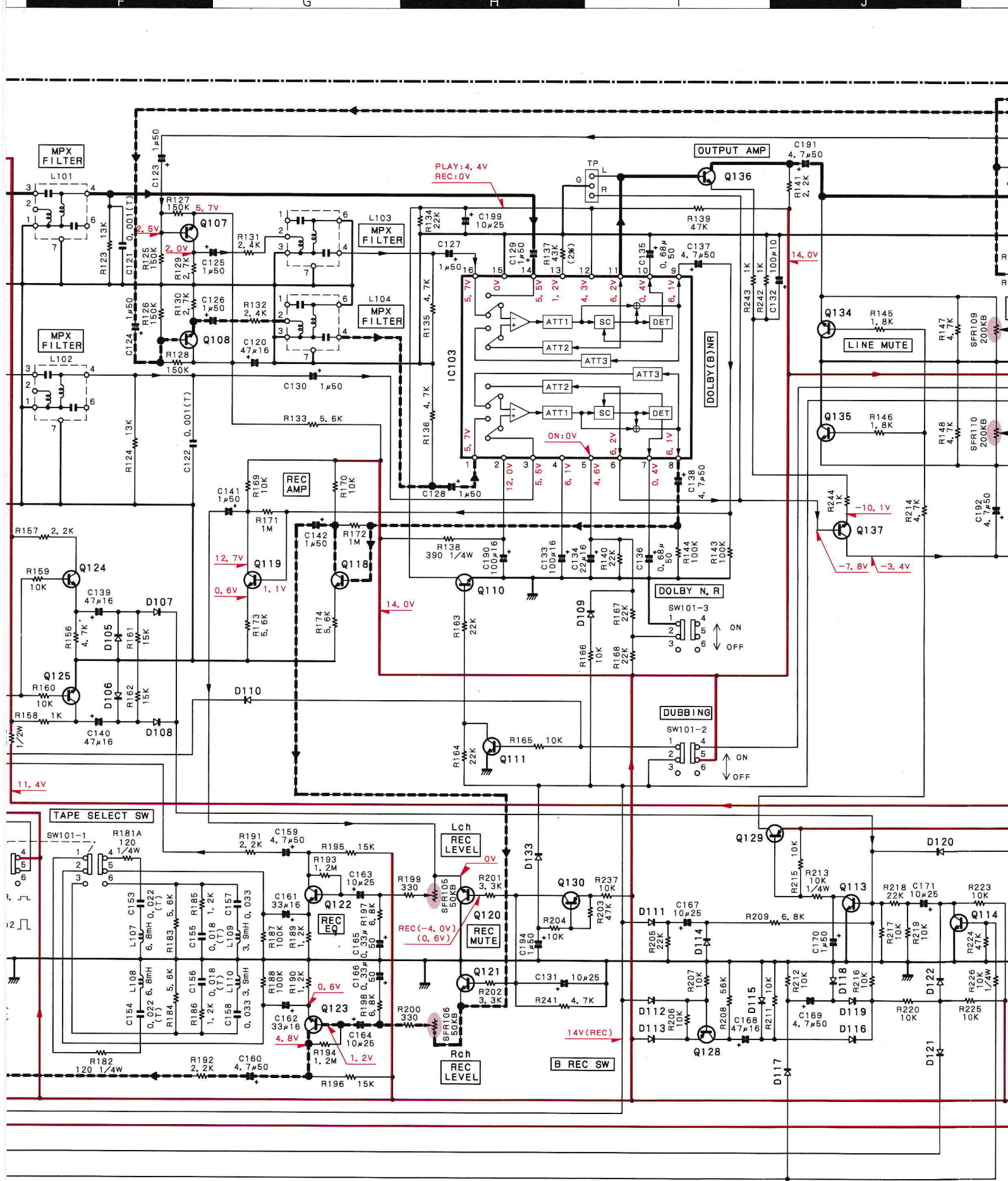




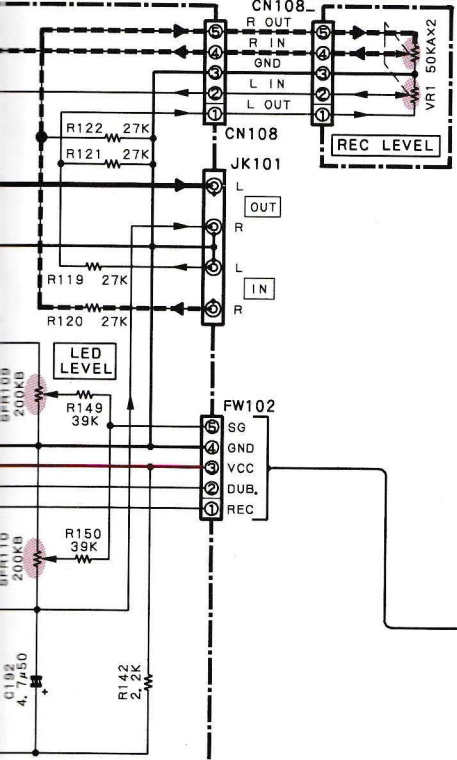
PLAY REC
 LINE LINE
 OUT IN L R

C145237310
 ACH48 94V0

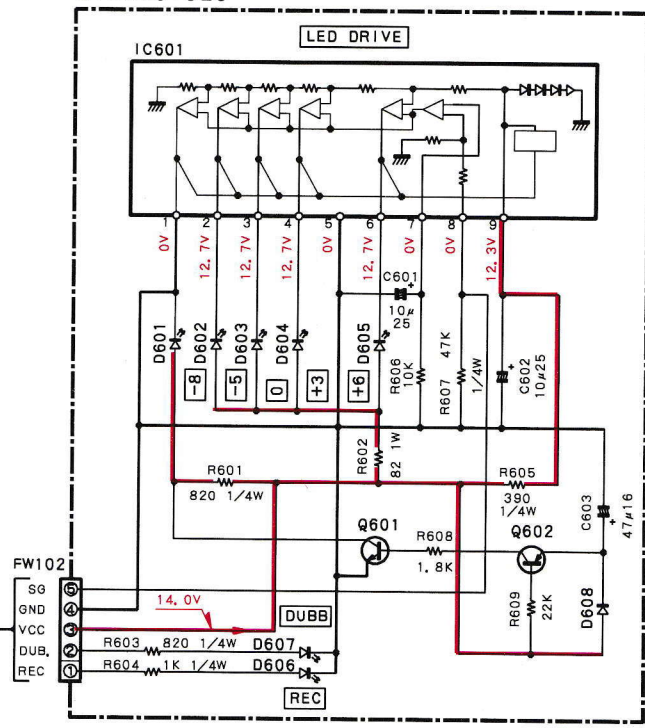
Refer to the schematic diagram for the values of resistors and capacitors.



REC LEVEL PCB ASS' Y
C045237330



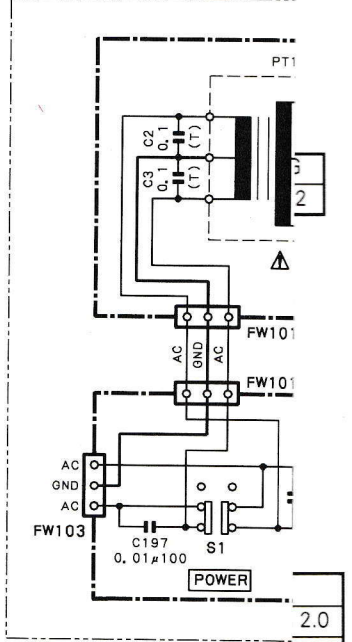
METER PCB ASS' Y
C145237320



- IC601 : BA6124
- Q601 : 2SC945 (P, Q)
- Q602 : 2SC733 (P, Q)
- D601-607 : B30-2469-08
- D608 : 1SS176

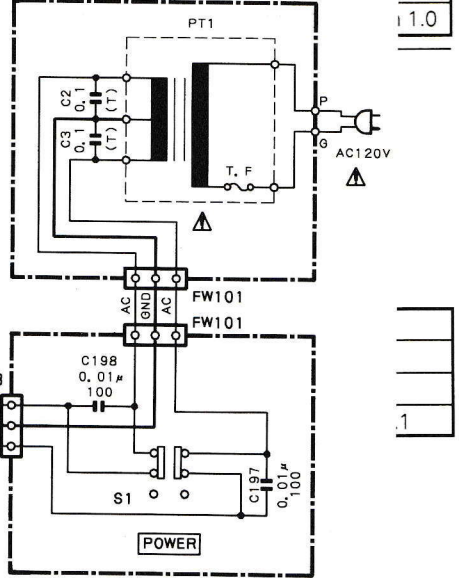
- IC101 : CXA1115BP
- IC102 : uPC1330HA
- IC103 : CXA11101P
- IC104 : MC7812CT or NJM7812A
- Q101
- Q102
- Q103
- Q107
- 111
- 129
- Q128
- Q131
- Q132, 3r
- Q134, nber
- ber

Y, M TYPE

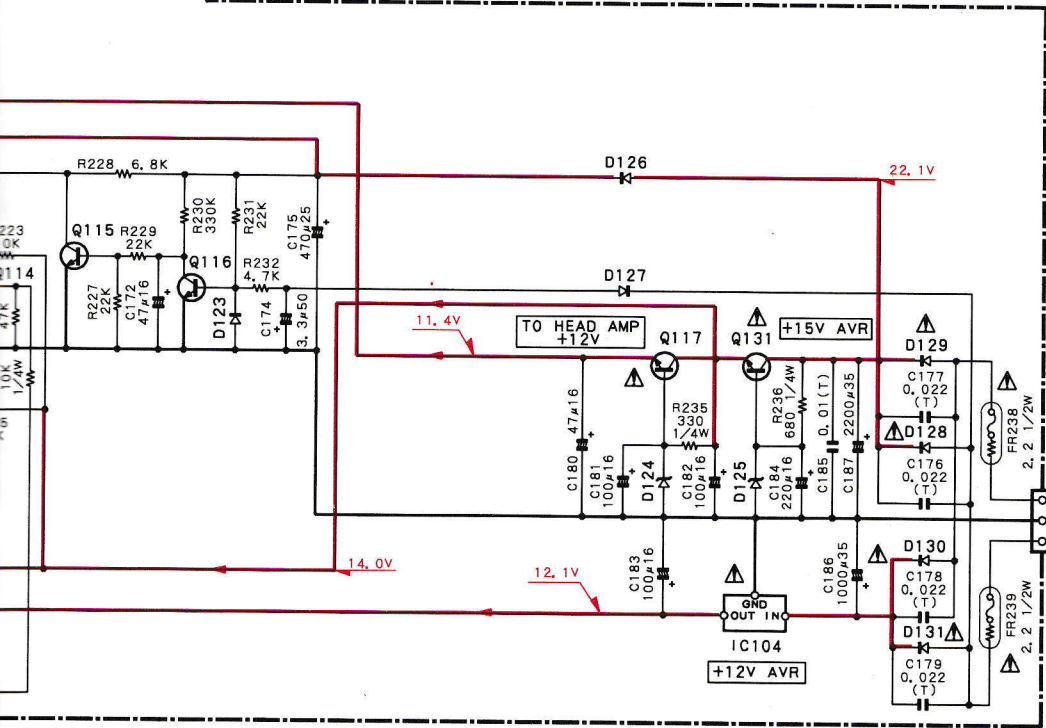


- 2.0
- 2.0
- 2.0
- 1.25
- 1.5
- 1.25
- 1.25
- 1.0

POWER TRANS. PCB ASS' Y
C145237350

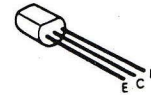


POWER SW PCB ASS' Y
C045237340

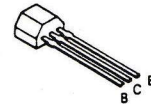


KA1115BP	Q101	:DTC144ES	D101	:MTZ6, 2B
PC1330HA	Q102, 109	:DTC124ES	D102-123	:1S5176
KA11101P	Q103-106	:DTC114TS	D124	:RD12E(B2)
MC7812CT or	Q107, 108, 110	:2SC945(P, Q)	D125	:RD15E(B2)
MC7812A	111, 113-125,		D126, 127	:1S5142T
	129, 136, 137		D128-131	:1N4002L
	Q128-130	:2SA733(P, Q)	D133	:1S5176
	Q131	:2SD313E		
	Q132, 133	:2SC2001(L)		
	Q134, 135	:2SC2878A		

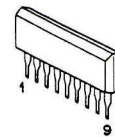
2SA733
2SC2001
2SC2878A
2SC945



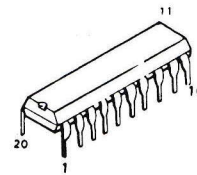
DTC114TS
DTC124ES
DTC144ES



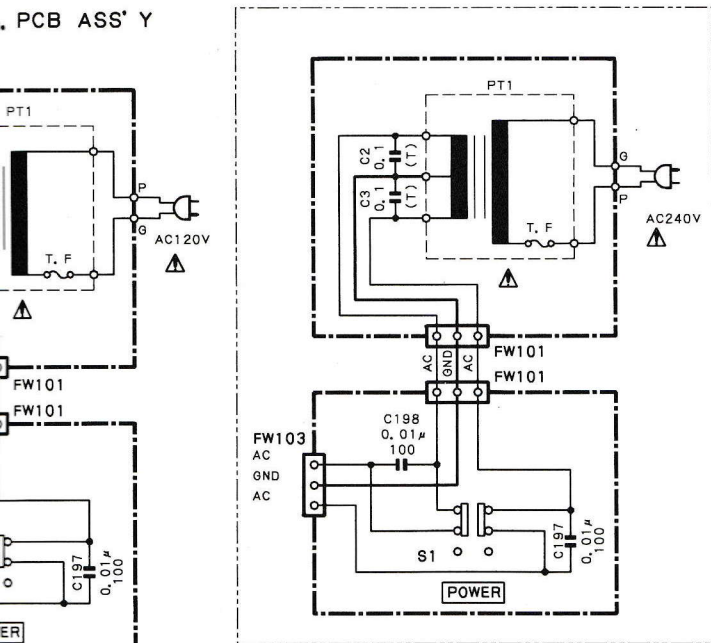
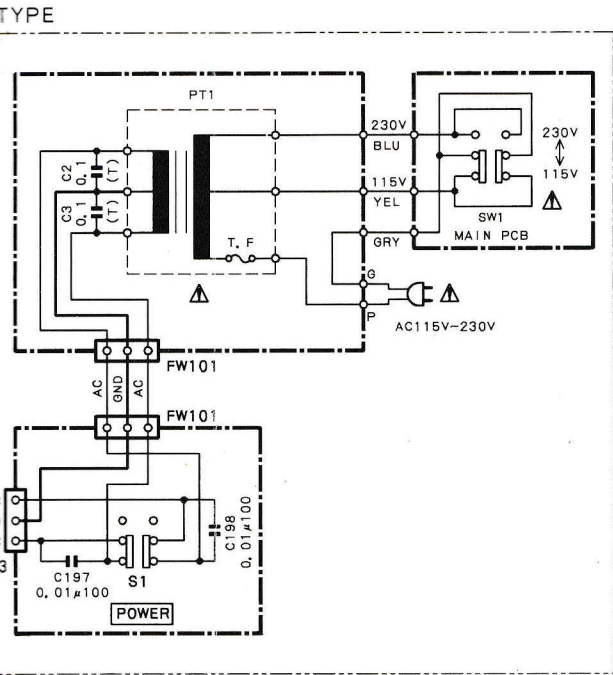
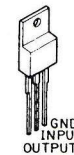
UPC1330HA



CXA1115BP



MC7812CT



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

- 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 critical components only with manufacturer's recommended parts (refer to parts list). Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer. DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

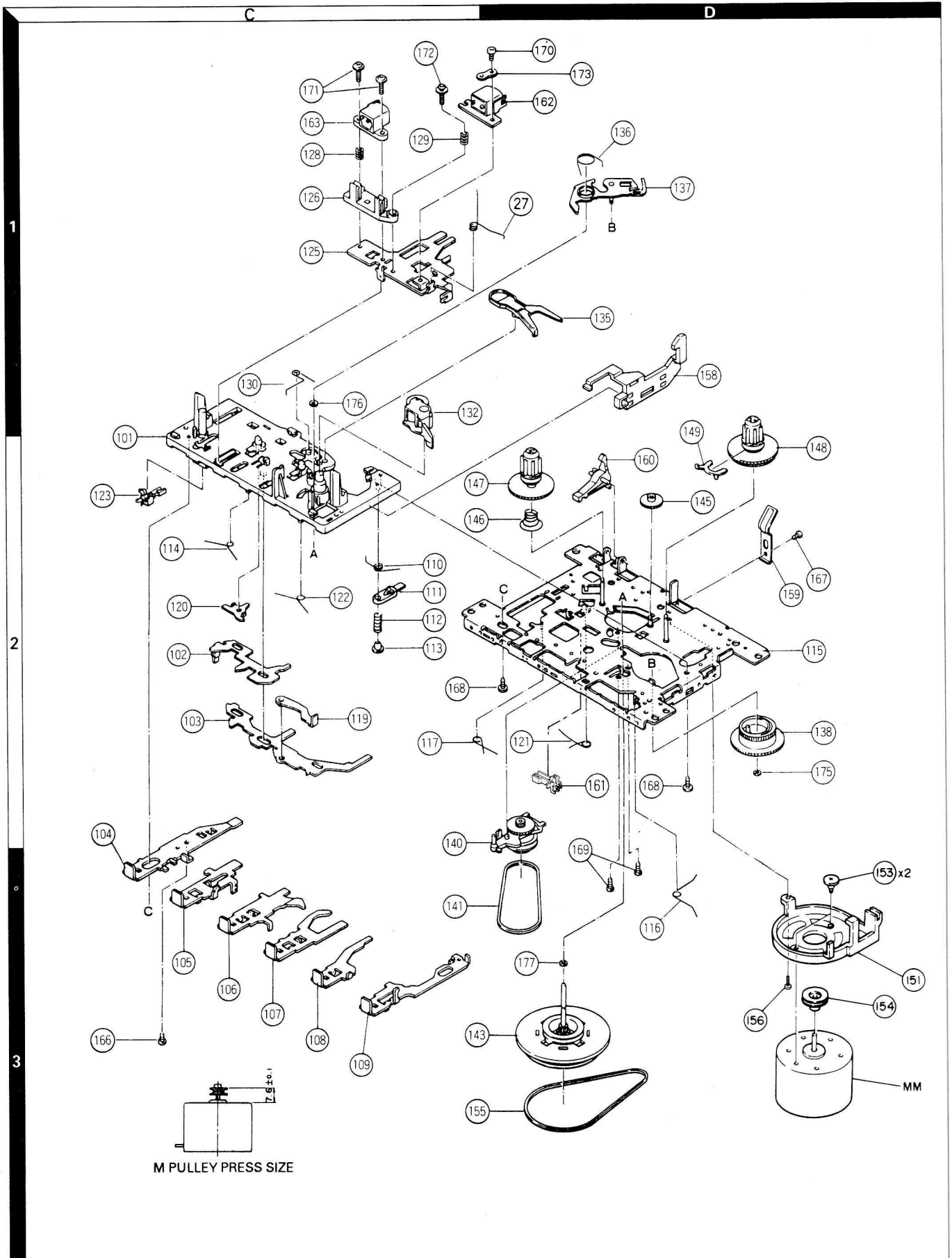
Y26-4080-10

KX-W595

KENWOOD

KX-W595

EXPLODED VIEW : MECHANISM (DECK-B)



PARTS LIST

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	Re- marks 備考	Desti- nation 仕
647	2F	K27-2148-08	KNØB STOP/EJECT		B
648	2F	K27-2149-08	KNØB PAUSE		B
649	2F	K27-2150-08	KNØB REC		
650	2F	K27-2151-08	KNØB PLAY		
660	1F	L07-1805-08	TRANSFORMER		YM
660	1F	L07-1806-08	TRANSFORMER		KPR
660	1F	L07-1807-08	TRANSFORMER		X
670	1F	S74-0039-08	LEAF SWITCH (MUTE)		
671	2G	S74-0040-08	LEAF SWITCH (REC)		
ELECTRIC PARTS					
C2,3		C91-1525-08	CERAMIC	0.1UF	Z
C101,102		C91-1522-08	CERAMIC	330PF	K
C103,104		C91-1523-08	CERAMIC	390PF	K
C105-108		C91-1522-08	CERAMIC	330PF	K
C109,110		CE04KW1C300M	ELECTRØ	16WV	
C111,112		CØ92PM1H123J	MYLAR	0.012UF	J
C113		CE04KW1H4R7M	ELECTRØ	4.7UF	50WV
C114		CE04KW1HR10M	ELECTRØ	0.10UF	50WV
C115,116		CE04KW1H4R7M	ELECTRØ	4.7UF	50WV
C117,118		CE04KW1C101M	ELECTRØ	100UF	16WV
C119,120		CE04KW1C470M	ELECTRØ	47UF	16WV
C121,122		CØ92PM1H102J	MYLAR	1000PF	J
C123-130		CE04KW1H010M	ELECTRØ	1.0UF	50WV
C132		CE04KW1A101M	ELECTRØ	100UF	10WV
C133		CE04KW1C101M	ELECTRØ	100UF	16WV
C134		CE04KW1C220M	ELECTRØ	22UF	16WV
C135,136		CE04KW1HR68M	ELECTRØ	0.68UF	50WV
C137,138		CE04KW1H4R7M	ELECTRØ	4.7UF	50WV
C139,140		CE04KW1C470M	ELECTRØ	4.7UF	16WV
C141,142		CE04KW1H010M	ELECTRØ	1.0UF	50WV
C143,144		CC45FSL1H221J	CERAMIC	220PF	J
C145		CØ93HP2A123J	MYLAR	0.012UF	J
C146		CE04KW1C331M	ELECTRØ	330UF	16WV
C147,148		CØ92PM1H103J	MYLAR	0.010UF	J
C149,150		CØ92PM1H332J	MYLAR	3300PF	J
C151,152		C91-1524-08	CERAMIC	470PF	K
C153,154		CØ92PM1H223J	MYLAR	0.022UF	J
C155,156		CØ92PM1H1Ø3J	MYLAR	0.018UF	J
C157,158		CØ92PM1H333J	MYLAR	0.033UF	J
C159,160		CE04KW1H4R7M	ELECTRØ	4.7UF	50WV
C161,162		CE04KW1C330M	ELECTRØ	33UF	16WV
C163,164		CE04KW1E100M	ELECTRØ	10UF	25WV
C165,166		CE04KW1HR33M	ELECTRØ	0.33UF	50WV
C167		CE04KW1E100M	ELECTRØ	10UF	25WV
C168		CE04KW1C470M	ELECTRØ	47UF	16WV
C169		CE04KW1H4R7M	ELECTRØ	4.7UF	50WV
C170		CE04KW1H010M	ELECTRØ	1.0UF	50WV
C171		CE04KW1E100M	ELECTRØ	10UF	25WV
C172		CE04KW1C470M	ELECTRØ	47UF	16WV
C174		CE04KW1HR33M	ELECTRØ	3.3UF	50WV
C175		CE04KW1E471M	ELECTRØ	470UF	25WV
C176-179		CX45FF1H233Z	CERAMIC	0.022UF	Z
C180		CE04KW1C470M	ELECTRØ	47UF	16WV
C181-183		CE04KW1C101M	ELECTRØ	100UF	16WV

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	Re- marks 備考	Desti- nation 仕
KX-W595					
601	1E	A01-3169-08	METALLIC CABINET		A
602	2F	A60-0635-08	PANEL		B
603	2E	A53-1865-08	CASSETTE LID (A)		A
604	2E	A53-1827-08	CASSETTE LID (B)		A
605	2F	A53-1828-08	CASSETTE HOLDER		B
606	2F	A53-1830-08	CASSETTE HOLDER		B
610	2E	B03-2913-08	LID GLASS		A
611	2E	B03-2914-08	LID GLASS		A
612	2E	B03-2915-08	DISPLAY GLASS		B
613	2E	B03-2916-08	FRONT GLASS		
614	2E,2F	B07-2271-08	ESCUTCHEON		
-	*	B46-0092-43	WARRANTY CARD		KRY
-	*	B46-0094-03	WARRANTY CARD		Y
-	*	B46-0095-03	WARRANTY CARD		Y
-	*	B46-0096-53	WARRANTY CARD		Y
-	*	B46-0121-33	WARRANTY CARD		X
-	*	B58-0513-04	CAUTION CARD		P
-	*	B59-1104-00	ADDRESS CARD		Y
-	*	B60-2084-08	INSTRUCTION MANUAL (ENGLISH)		KYXR
-	*	B60-2085-08	INSTRUCTION MANUAL (ENG, CHI)		MR
-	*	B60-2086-08	INSTRUCTION MANUAL (ENG, FRE)		P
-	*	B60-2087-08	INSTRUCTION MANUAL (SPANISH)		MR
620	1E,2F	D39-0318-08	DAMPER ASSY		
621	1F	D21-1772-08	EXTENSION SHAFT		
625	1E	E03-0115-05	AC PLUG ADAPT		M
626	1G	E30-0459-05	AC POWER CORD		M
626	1G	E30-0812-05	AC POWER CORD		Y
626	1G	E30-0996-05	AC POWER CORD		KPR
626	1G	E30-2714-05	AC POWER CORD		X
627	1E	E30-0615-05	AUDIO CORD		
-		F09-0093-08	PROTECTION SHEET (PACKING)		
630	2F,2G	G01-3704-08	CASSETTE HOLDER SPRING		
633	2E	G16-0837-08	SHEET(MIRROR)		
-		H10-5856-08	POLYSTYRENE FOAMED FIXTURE		KPYXR
-		H25-1533-08	PROTECTION BAG		M
-	*	H50-1474-08	ITEM CARTONBOX		
-	*	H50-1475-08	ITEM CARTONBOX		
635	2G	J02-0366-15	FOOT ASSY		
636	2C	J19-3671-08	UNIT HOLDER		
637	1E	J19-5657-08	LED HOLDER		
638	1F	J21-6171-08	TRANCEFORMER WASHER		
639	1G	J42-0083-05	AC CORD BUSHING		
640	2E	K27-2141-08	KNØB POWER		
641	2E	K27-2142-08	KNØB REC LEVEL		A
642	2E	K27-2143-08	KNØB PLAY		
643	1F	K27-2144-08	KNØB DOLBY NR. TAPE SELECTOR		
644	1F	K27-2145-08	KNØB DUBBING		
645	2E,2F	K27-2146-08	KNØB REV		
646	2F	K27-2147-08	KNØB F.F		

L: Scandinavia K: USA P: Canada R: Mexico A: DECK A
 Y: PX (Far East, Hawaii) T: England E: Europe G: Germany B: DECK B
 Y: AAFES (Europe) X: Australia M: Other Areas
 △ indicates safety critical components.

PARTS LIST

4

* 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 仕向	Re- marks 備考
IC103			CXA1101P	IC(DOLBY B) B)		
△ IC104			MC7812CT	IC(+12V AVR)		
△ IC104			NJM7812A	IC(+12V AVR)		
IC601			BA6124	IC(LED DRIVER)		
Q101			DTC144ES	TRANSISTOR		
Q102			DTC124ES	TRANSISTOR		
Q103-106			DTC114TS	TRANSISTOR		
Q107, 108			2SC945(P, Q)	TRANSISTOR		
Q109			DTC124ES	TRANSISTOR		
Q110, 111			2SC945(P, Q)	TRANSISTOR		
△ Q113-125			2SC945(P, Q)	TRANSISTOR		
Q128-130			2SA733(P, Q)	TRANSISTOR		
△ Q131			2SD315E	TRANSISTOR		
Q132, 133			2SC2001(L)	TRANSISTOR		
Q134, 135			2SC2878A	TRANSISTOR		
Q136, 137			2SC945(P, Q)	TRANSISTOR		
Q601			2SC945(P, Q)	TRANSISTOR		
Q602			2SA733(P, Q)	TRANSISTOR		
MECHANISM ASSY : DECK A (D40-1374-08)						
301	2A		TN-192114301	BASE ASSY		
302	2A		TN-19211409	SWITCH ACTUATOR		
303	2A		TN-19211408	PUSH BUTTON ACTUATOR		
304	3A		TN-19211423	PLAY BUTTON LEVER		
305	3A		TN-19211424	REW BUTTON LEVER		
306	3A		TN-19211425	FF BUTTON LEVER		
307	3A		TN-19211426	STOP BUTTON LEVER		
308	3A		TN-19211461	PAUSE BUTTON LEVER		
309	2A		TN-19211413A	P CONTROL SPRING		
310	2A		TN-19211455	PAUSE LEVER		
311	2A		TN-19211412	PAUSE LEVER SPRING		
312	2A		TN-19211411	PAUSE STOPPER		
313	2A		TN-19211414	BUTTON LEVER SPRING(A)		
315	3B		TN-19211416	E ACTUATOR SPRING		
316	2A		TN-19211417	P.S.LEVER SPRING		
317	2A		TN-182101159	E KICK LEVER		
318	2A		TN-19211420	PR STOPPER		
319	2A		TN-19211415	BUTTON LEVER SPRING(B)		
320	2A		TN-640101125	LEAF SWITCH (MOTOR SW)		
322	1A		TN-19210311	HEAD PANEL		
323	1A		TN-19210304A	HEAD BASE		
324	1B		TN-19210309	PANEL P SPRING		
325	1A		TN-18210307	AZIMUTH SPRING		
326	2A		TN-19211418A	M CONTROL SPRING		
327	1B		TN-19212604A	SENSING LEVER		
328	1B		TN-19212605	GEAR PLATE SPRING		
329	1B		TN-192126501	GEAR PLATE ASSY		
330	2B		TN-19212602	CAM GEAR		
331	3A		TN-192107301	RF CLUTCH ASSY		
332	3A		TN-192109303	FLYWHEEL ASSY		
333	2B		TN-18211070	FF GEAR		
334	2B		TN-182191099	BACK TENSION SPRING		
335	2B		TN-192105306	SUPPLY REEL ASSY		
336	2B		TN-192105305	TAKE UP REEL ASSY		
337	2B		TN-19210506	SENSOR		

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	New Parts 新部品	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C184			CE04KW1C221M	ELECTR0 220UF		
C185			CK45FF1H103Z	0.010UF Z		
C186			CE04KW1V102M	1000UF		
C187			CE04KW1V222M	2200UF		
C188, 189			CE04KW1HR7H	4.7UF		
C190			CE04KW1C101M	100UF		
C191, 192			CE04KW1HR7M	4.7UF		
C194			CE04KW1H010M	1.0UF		
C195			CE04KW1HR47M	0.47UF		
C197, 198			CK45FE2H103P	0.010UF P		
C199			CE04KW1E100M	10UF		
C601, 602			CE04KW1E100M	10UF		
C603			CE04KW1C470M	47UF		
JK101			E11-0264-08	PHONO JACK (REC.PLAY)		
L101, 102			L39-1330-08	MPX FILTER		
L103, 104			L39-1329-08	MPX FILTER		
L105, 106			L39-1331-08	TRAP COIL		
L107, 108			L40-6825-29	TRAP COIL		
L109, 110			L40-3925-29	TRAP COIL		
L111, 112			L39-1332-08	PEAKING COIL 22UH		
T1			L32-0571-08	BIAS 0CS COIL		
△ FR238, 239			R92-1772-08	FUSE RESISTOR 2.2		
R118			RS14KB3D271J	FL-PR00F RS 270 J 2W		
R138			RD14NB2E391J	RD J 1/4W		
R178			RS14KB3D221J	FL-PR00F RS 220 J 2W		
R179			RS14KB3D151J	FL-PR00F RS 150 J 2W		
R602			RS14KB3D820J	FL-PR00F RS 82 J 2W		
SFR101			R32-0006-08	TRIM POT(10K) PB LEVEL ADJ.		
SFR102			R32-0006-08	TRIM POT(10K) PB LEVEL ADJ.		
SFR103			R32-0006-08	TRIM POT(10K) PB LEVEL ADJ.		
SFR104			R32-0006-08	TRIM POT(10K) PB LEVEL ADJ.		
SFR105			R32-0007-08	TRIM POT(50K) REC LEVEL ADJ.		
SFR106			R32-0007-08	TRIM POT(50K) REC LEVEL ADJ.		
SFR107			R32-0008-08	TRIM POT(200K) BIAS ADJ.		
SFR108			R32-0008-08	TRIM POT(200K) BIAS ADJ.		
SFR109			R32-0008-08	TRIM POT(200K) LED LEVEL ADJ.		
SFR110			R32-0008-08	TRIM POT(200K) LED LEVEL ADJ.		
VR1			R31-0026-08	TRIM POT(50KX2) REC LEVEL		
SI			S68-0044-08	PUSH SWITCH(POWER)		
△ SW1			S02-0043-08	SLID SWITCH(120V/240V)		YM
△ SW101			S68-0043-08	PUSH SWITCH(DOLBY/DUBB./TAPE)		
D101			MTZ6.2B	ZENER DIODE		
D102-123			1S5176	DIODE		
D124			R012E(82)	ZENER DIODE		
D125			R015E(82)	ZENER DIODE		
D126, 127			1S5142T	DIODE		
△ D128-131			1N4002L	DIODE		
D133			1S5176	DIODE		
D601-607			B30-2469-08	LED		
D608			1S5176	DIODE		
IC101			CXA1115BP	IC(PLAY/BACK AMP)		
IC102			UPC1330HA	IC(2CH HEAD SWITCHING)		

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

△ 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.

6

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
129	1C		TN-182110307	AZIMUTH SPRING		
130	1C		TN-19211418A	M CONTROL SPRING		
132	1C		TN-192104301	PINCH ROLLER ARM ASS'Y		
135	1D		TN-19212604A	SENSING LEVER		
136	1D		TN-19212605	GEAR PLATE SPRING		
137	1D		TN-192126501	GEAR PLATE ASS'Y		
138	1D		TN-19212602	CAM GEAR		
140	3C		TN-192107301	RF CLUTCH ASS'Y		
141	3C		TN-19210703	RF BELT		
143	3C		TN-192109303	FLYWHEEL ASS'Y		
145	2D		TN-18211070	FF GEAR		
146	2D		TN-18291099	BACK TENSION SPRING		
147	2D		TN-192105306	SUPPLY REEL ASS'Y		
148	2D		TN-192105305	TAKE UP REEL ASS'Y		
149	2D		TN-19210506	SENSOR		
151	3D		TN-18211289A	MOTOR BRACKET		
153	3D		TN-19211202	MOTOR COLLER SCREW		
154	3D		TN-19211201	MOTOR PULLEY		
155	3C		TN-19210904	MAIN BELT		
156	3D		TN-19211203	MB SCREW		
158	1D		TN-19211302	EJECT SLIDE LEVER		
159	2D		TN-18291001	PACK SPRING		
160	2D		TN-18211069	RECORD SAFETY LEVER		
161	2D		TN-640101149	LEAF SWITCH (PLAY)		
162	1D		RP-7442CS-0951	R.P. HEAD		
163	1C		TN-E-921PL-0201	E HEAD		
167	2D		TN-9p3320032	C TAPPING SCREW M2X3		
168	2C, 2D		TN-96790000	P TAPPING BIND SCREW M2X5		
169	3D		TN-99991809	TAPPING SCREW(FOR CAMERA)M2X4.5		
170	1D		TN-92290000	C TAPPING SCREW M2X4		
171	1C		TN-98210000	CAP SCREW M2X8		
172	1C		TN-99220000	AZIMUTH SCREW M2X7		
173	1D		TN-98400000	B3 LUG PLATE		
175	2D		TN-94220000	P WASHER CUT 12X3.8X0.3		
176	1C		TN-99997001	P WASHER CUT 1.45X3.2X0.5		
177	3D		TN-97860000	P WASHER 2X3.5X0.3		
MM	3D		TN-EG-530AD-2B	MOTOR		

× 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.

5

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
338	3B		TN-18211289	MOTOR BRACKET		
339	3B		TN-19211202	MOTOR COLLAR SCREW		
340	3B		TN-19211201	MOTOR PULLY		
341	3B		TN-19211203	MB SCREW		
342	2B		TN-19211302	EJECT SLIDE LEVER		
343	2B		TN-18291001	PACK SPRING		
344	2B		TN-18211069	RECORD SAFETY LEVER		
345	2B		TN-9P3320032	C TAPPING SCREW M2X3		
346	2A, 3B		TN-96790000	P TAPPING BIND SCREW M2X5		
347	5B		TN-99991809	TAPPING SCREW M2X4.5		
348	1A		TN-92290000	+BIND SCREW M2X3		
349	1A		TN-90040000	SCREW M2X6		
350	1A		TN-99220000	AZIMUTH SCREW M2X7		
351	1A		TN-94220000	P WASHER CUT 1.2X3.8X0.3		
352	2A		TN-99997001	P WASHER CUT 1.45X3.8X0.5		
353	3B		TN-97860000	P WASHER 2X3.5X0.3		
354	1A		TN-99991402	S TAPPING SCREW M2X8		
355	1A		TN-18213106	B FRAME(S)		
356	1A		TN-18213107	OPERATION LEVER		
357	1A		TN-182935103	BUTTON LEVER SHAFT		
358	2B		TN-19211421	REC BUTTON LEVER SPRING		
359	1B		TN-98400000	B3 LUG PLATE		
360	3B		TN-640101149	LEAF SWITCH (PLAY)		
BR	3A		TN-19210904	MAIN BELT		
BR	3A		TN-19210703	RF BELT		
MM	3B		TN-EG-530AD-2B	MOTOR		
PF	2A		TN-192104301	PINCH ROLLER ARM ASSY		
PH	1A		P-7442CS-0951	P.B. HEAD		
MECHANISM ASS'Y : DECK B (D40-1375-08)						
101	2C		TN-192114301	BASE ASS'Y		
102	2C		TN-19211409	SWITCH ACTUATOR		
103	2C		TN-19211408	PUSH BUTTON ACTUATOR		
104	2C		TN-19211422	REC BUTTON LEVER		
105	3C		TN-19211423	PLAY BUTTON LEVER		
106	3C		TN-19211424	REW BUTTON LEVER		
107	3C		TN-19211425	FF BUTTON LEVER		
108	2C		TN-19211426	STOP BUTTON LEVER		
109	3C		TN-19211461	PAUSE BUTTON LEVER		
110	2C		TN-19211413A	P CONTROL SPRING		
111	2C		TN-19211455	PAUSE LEVER(E)		
112	2C		TN-19211412	PAUSE LEVER SPRING		
113	2C		TN-19211411	PAUSE STOPPER		
114	2C		TN-19211414	BUTTON LEVER SPRING(A)		
116	3D		TN-19211416	E ACTUATOR SPRING		
117	2C		TN-19211417	P.S. LEVER SPRING		
119	2C		TN-18210159	E KICK LEVER		
120	2C		TN-19211420	PR STOPPER		
121	2D		TN-19211421	REC BUTTON LEVER SPRING		
122	2C		TN-19211415	BUTTON LEVER SPRING(B)		
123	2C		TN-640101125	LEAF SWITCH (MOTOR SW)		
125	1C		TN-19210312	HEAD PANEL		
126	1C		TN-19210306	HEAD BASE		
127	1D		TN-19210309	PANEL P SPRING		
128	1C		TN-18210308	EH SPRING		

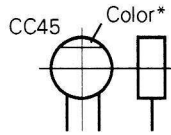
L: Scandinavia K: USA P: Canada R: Mexico
 Y: PX (Far East, Hawaii) T: England E: Europe G: Germany
 Y: AAFFES (Europe) X: Australia M: Other Areas
 indicates safety critical components.

PARTS LIST

CAPACITORS

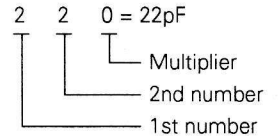
CC 45 TH 1H 220 J
 1 2 3 4 5 6

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



Capacitor value

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



Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 -20	+80 -20	+100 -0	More than 10μF -10 ~ +50 Less than 4.7μF -10 ~ +75

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

Voltage rating

1st word \ 2nd word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

Chip capacitors

(EX) C C 7 3 F S L 1 H 0 0 0 J
 1 2 3 4 5 6 7

(Chip) (CH, RH, UJ, SL)

(EX) C K 7 3 F F 1 H 0 0 0 Z
 1 2 3 4 5 6 7

(Chip) (B, F)

Refer to the table above.

- 1 = Type
- 2 = Shape
- 3 = Dimension
- 4 = Temp. coefficient
- 5 = Voltage rating
- 6 = Value
- 7 = Tolerance

Dimension (Chip capacitors)

Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

RESISTORS

Chip resistor (Carbon)

(EX) R K 7 3 E B 2 B 0 0 0 J
 1 2 3 4 5 6 7

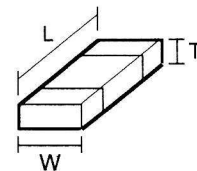
(Chip) (B,F)

Carbon resistor (Normal type)

(EX) R D 1 4 B B 2 C 0 0 0 J
 1 2 3 4 5 6 7

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

Dimension



Dimension (Chip resistor)

Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6 ± 0.2	0.8 ± 0.2	0.5 ± 0.1

Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

KX-W595

SPECIFICATIONS

Track System 4 track, 2 channel stereo
Recording System AC bias (Frequency: 105 kHz)
Heads A DECK
 Playback heads 1
 B DECK
 Playback / recording heads 1
 Erasing head 1
Motors A DECK × 1
 B DECK × 1
Wow and Flutter 0.3 % (W.RMS)
Fast Winding Time Approx. 110 seconds (C-60 tape)
Frequency Response
 Normal Tape 30 Hz to 13,000 Hz, ± 3 dB
 CrO₂ Tape 30 Hz to 13,000 Hz, ± 3 dB
Signal to Noise Ratio
 Dolby NR OFF 57 dB
 Dolby B NR ON 66 dB
 (3rd, H.D., 3 %, Chrome tape)
Harmonic Distortion Less than 1.0 %
 (at 315 Hz, 3rd H.D., 250 nWb / m, Chrome tape)

Input sensitivity / Impedance

LINE IN 122.8 mV / 47 kΩ

Output Level / Impedance

LINE OUT 775 mV / 3.3 kΩ

[General]

Power Consumption 12 W

Dimensions **W: 440 mm (17-5/16")**

H: 129 mm (5-1/16")

D: 250 mm (9-13/16")

Weight (Net) 4.0 kg (8.8 lb)

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

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

14-6, Dogenzaka 1-chome, Shibuya-ku, Tokyo 150, Japan

KENWOOD SERVICE CORPORATION

P.O. BOX 22745, 2201 East Dominguez St., Long Beach, CA 90810-5745, 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 ESPAÑA 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, Metropiazza, 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