

STEREO POWER AMPLIFIER

KM-X1000/(G)

SERVICE MANUAL

KENWOOD

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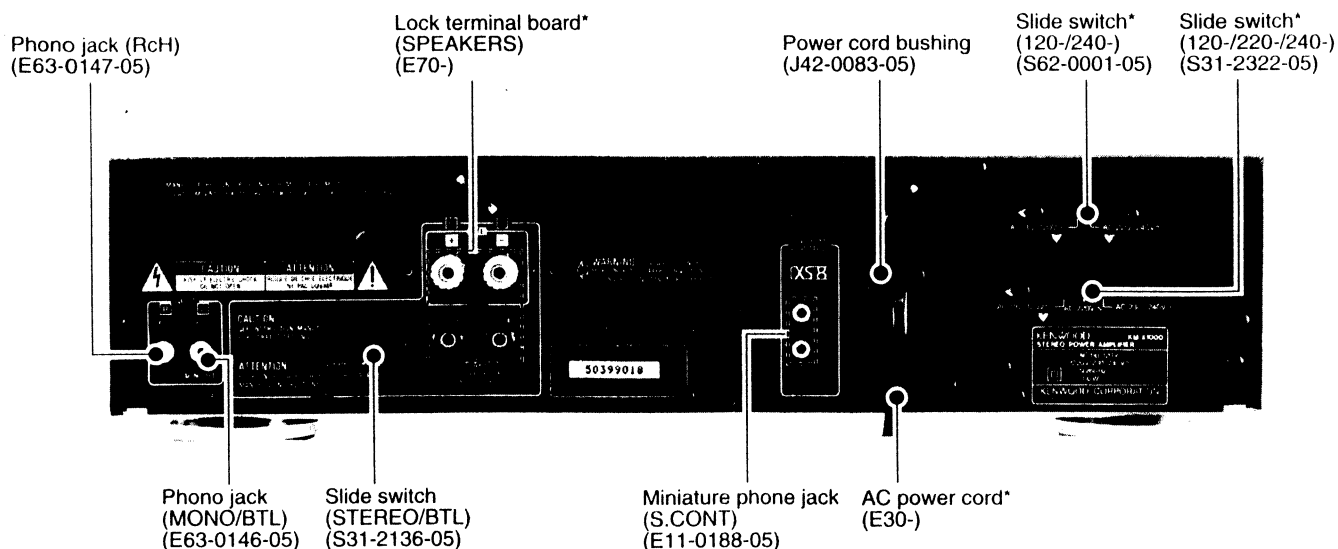
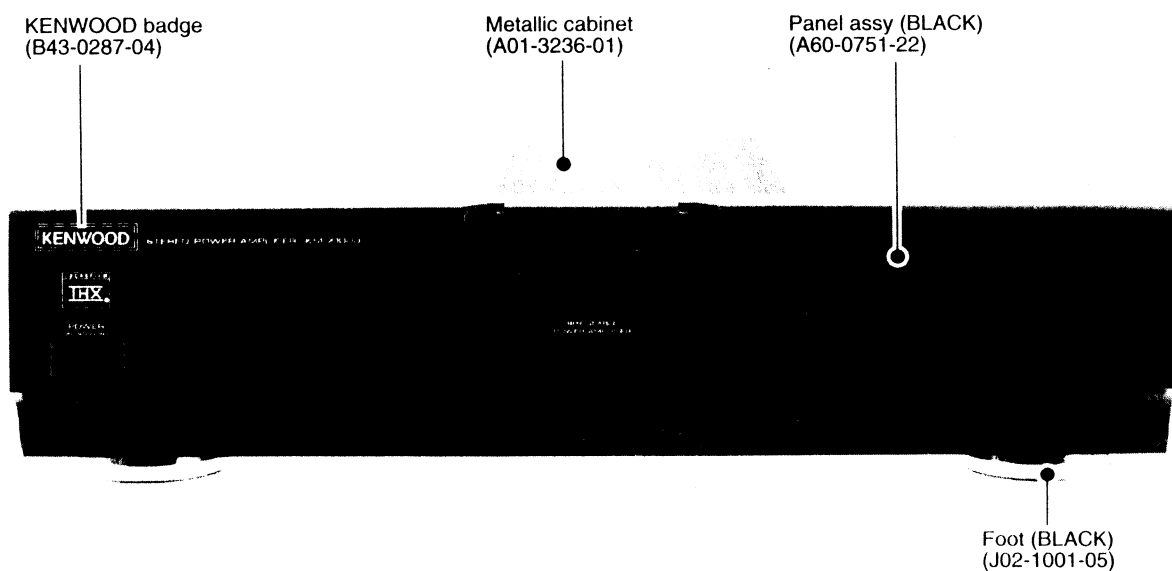


Photo is KM-X1000.

*Refer to parts list on page 13.

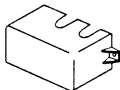
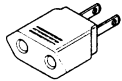
KM-X1000/(G)

CONTENTS/ACCESSORIES

CONTENTS/ACCESSORIES	2	SCHEMATIC DIAGRAM	7
BLOCK DIAGRAM	3	EXPLODED VIEW	11
ADJUSTMENT/AJUSTES	4	PARTS LIST	13
PC BOARD	5	SPECIFICATIONS	Back cover

For μ -com M37470M4-189SP(IC2), refer to the Service manual of KA-4060R.

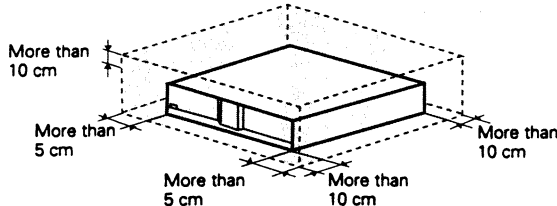
Accessories

Audio cord (1) (E30-0505-05)	System control cord (1) (E30-2733-05)	Speaker terminal cover (1) (K,P type only) (F07-0765-03)	AC plug adaptor (1) (M type only) (E03-0115-05)
			

Notes on heat generation

- This unit incorporates a ventilation fan to process heat generated during operation. As the fan starts to rotate automatically when the internal temperature of this unit rises, avoid installing or setting which may prevent ventilation of the unit.
- * Leave clearance of more than 5 cm to the left and right and those of more than 10 cm above and in front and rear of the unit. Also, do not close the surroundings of the unit tightly when it is mounted on a rack.
- The ventilation fan of this unit has been designed to intake external air into the unit. If curtain or a piece of paper is attracted by the air intake, the internal temperature will rise and protection circuitry will be activated. In this case, the sound will not be output.

To allow ventilation, leave clearances between this unit and rack partitions or surround walls as indicated with dotted lines :



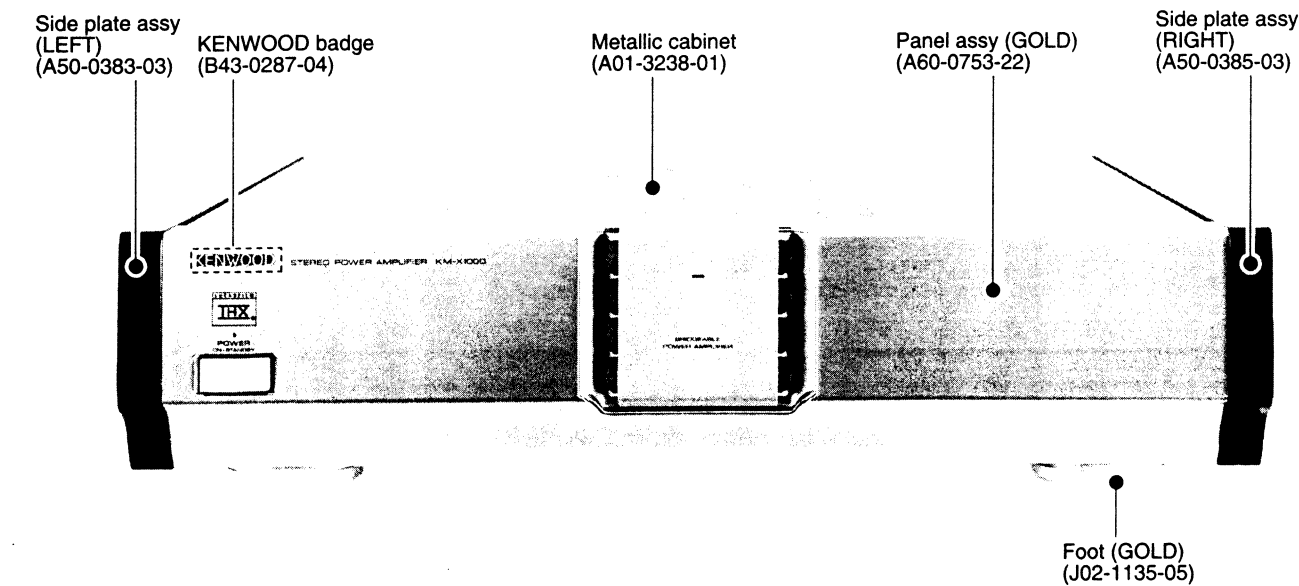
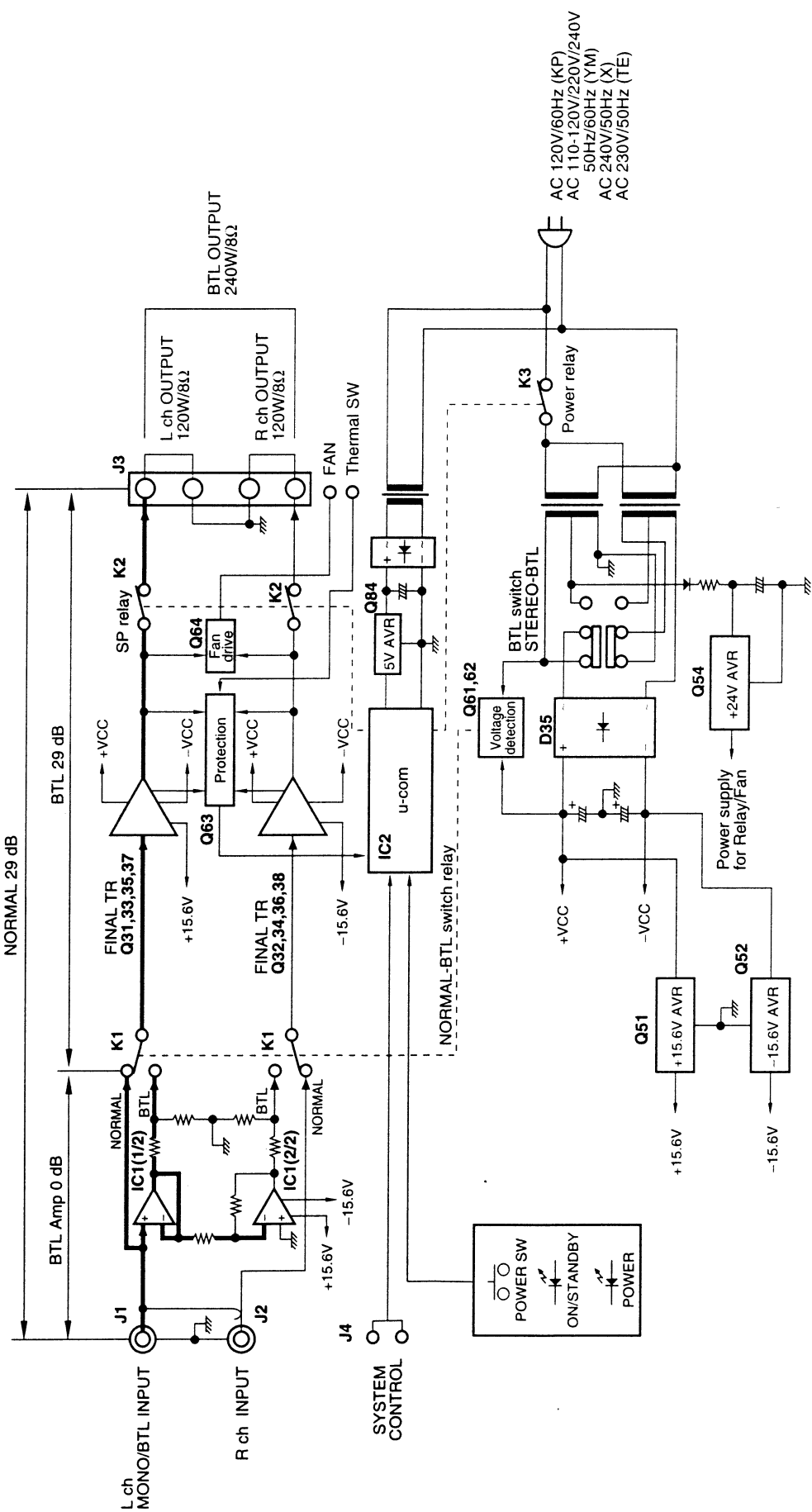


Photo is KM-X1000(G).

KM-X1000/(G)

BLOCK DIAGRAM



KM-X1000/(G)

ADJUSTMENT / AJUSTES

ENGLISH

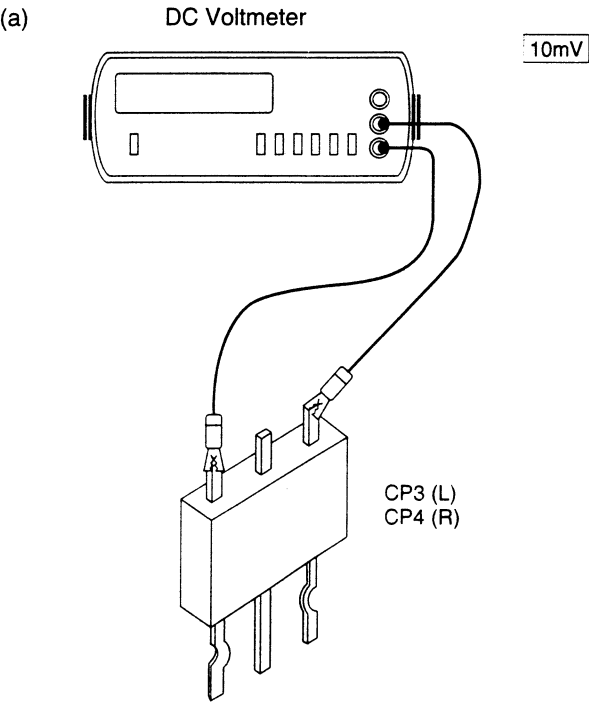
No.	ITEM	INPUT SET- TINGS	OUTPUT SETTINGS	AMPLIFIER SET- TINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, the individual switches should be set as following: POWER : ON BTL							
1	IDLE CURRENT	—	Connect a DC volt- meter across CP3 (L) CP4 (R) (X09-)(A/8)	VOLUME: 0	VR3 (L) VR4 (R) (X09-)(A/8)	10 mV	(a)

Caution : Adjust the IDLE CURRENT at BTL position at which the current changes just slightly, and check it at STEREO position.

ESPAÑOL

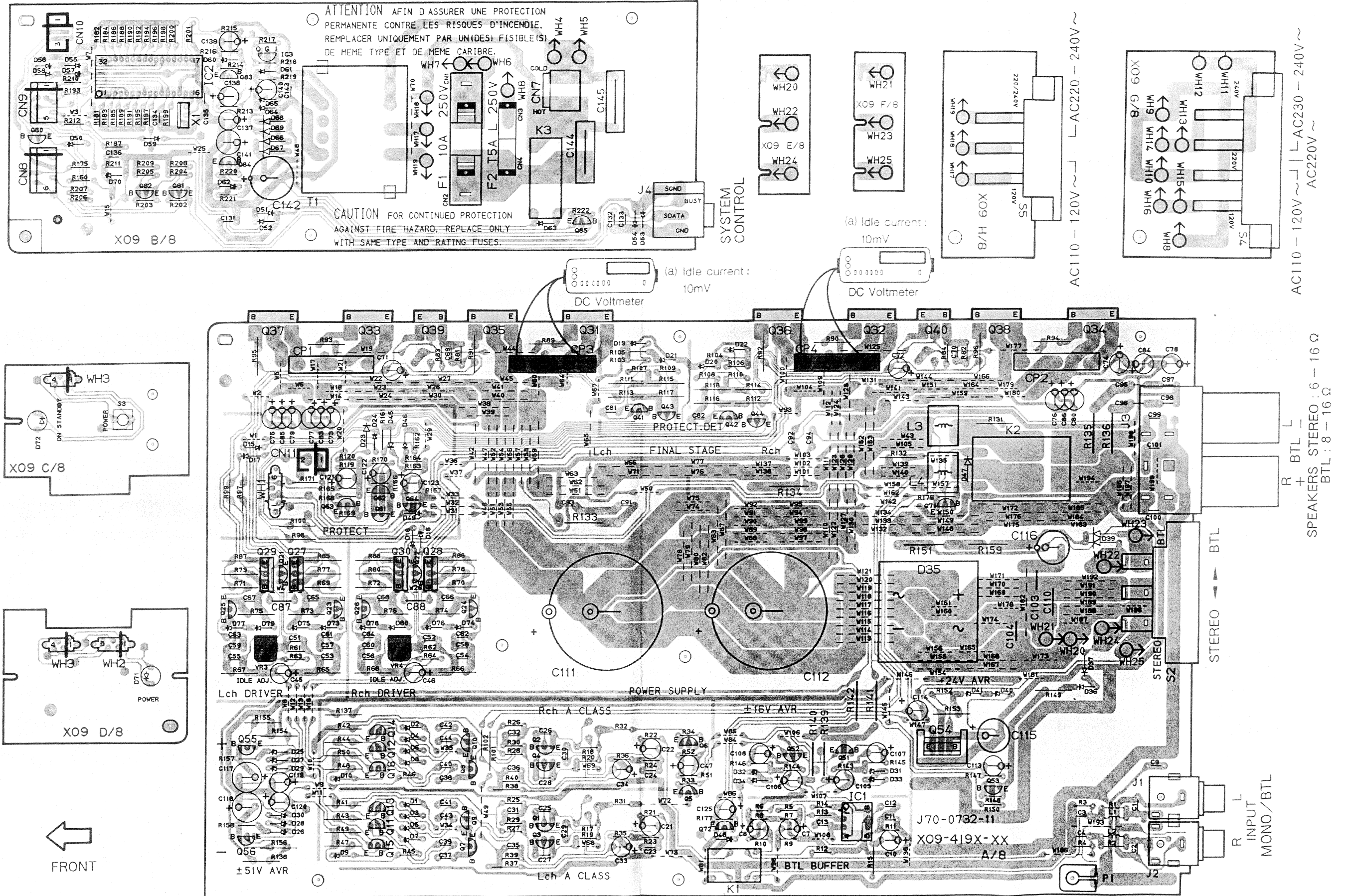
N.º	ÍTEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL AMPLIFICADOR	PUNTOS DE ALIN- EACIÓN	ALINEACIÓN PARA	FIG.
A menos que se especifique otra cosa, los controles individuales deberán ajustarse de la forma siguiente: POWER : ON BTL							
1	CORRIENTE OCIOSA	—	Conecte un voltímetro de CC entre CP3 (L) CP4 (R) (X09-)(A/8)	VOLUME: 0	VR3 (L) VR4 (R) (X09-)(A/8)	10 mV	(a)

Precaucion :Ajustar la CORRIENTE OCIOSA a la posición BTL en la cual ella cambia ligeramente, luego comprobarla en la posición STEREO.

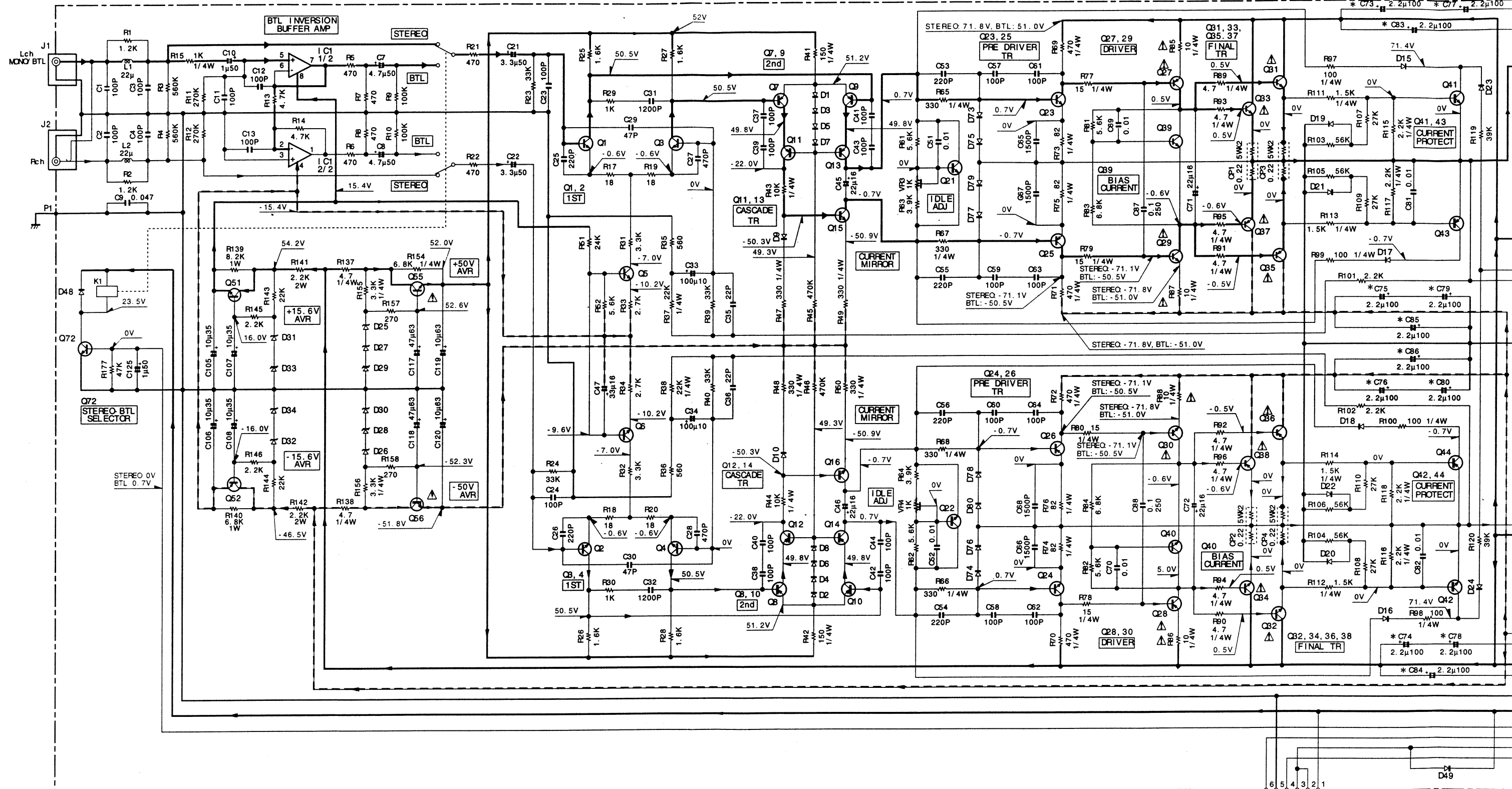


PC BOARD (COMPONENT SIDE VIEW)

AUDIO UNIT (X09-419X-XX ; 0-10 : K,P ; 0-21 : Y,M ; 0-71 : X ; 2-71 : T,E)



X09-419X-XX A/8



IC1 : NJM4580D-D
 IC2 : M37470M-189SP
 IC3 : S-806D-Z

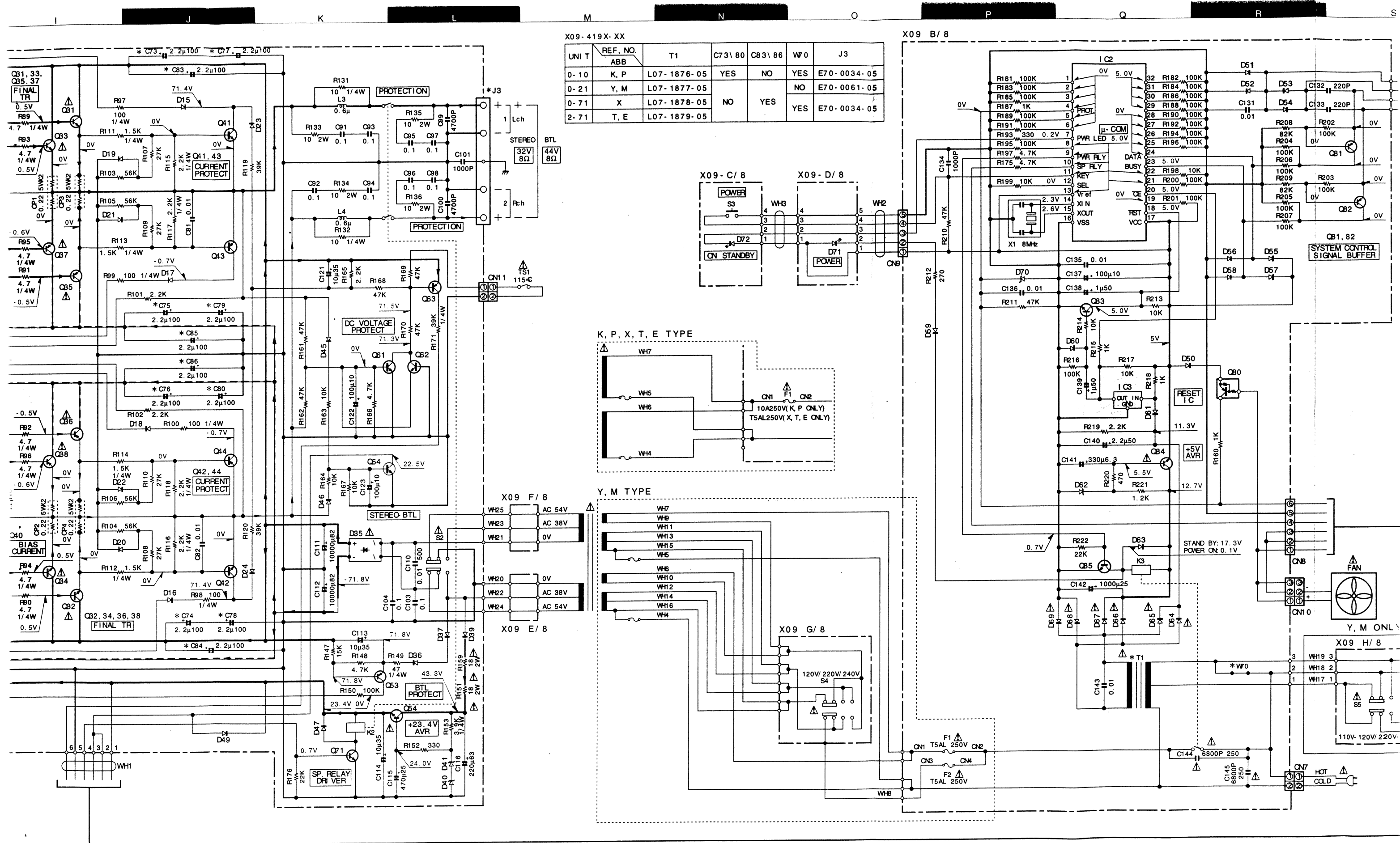
Q1-6, 21, 22 : 2SC1845 (F, E)
 Q7-10, 53, 63 : 2SA992 (F, E)
 Q11-14 : 2SA1124 (R, S)
 Q15, 16 : 2SC2632 (R, S)
 Q23, 24, 41, 42 : 2SC2631 (R, S)
 Q25, 26, 43, 44 : 2SA1123 (R, S)
 Q27, 28 : 2SA1535 (Q, R)
 Q29, 30 : 2SC3944 (Q, R)
 Q31-34 : 2SD1717BD-5
 Q35-38 : 2SB1162BD-5
 Q39, 40 : 2SC4137F19 (V, W)

Q51, 84 : 2SC3940A (R, S) or 2SD863 (E, F)
 Q52 : 2SA1534A (R, S) or 2SB764 (E, F)
 Q54 : 2SD2061 (E, F) or 2SD2012
 Q55 : 2SC2590 (Q, R)
 Q56 : 2SA1110 (Q, R)
 Q64 : 2SC3246
 Q71, 85 : 2SC2003 (L, K)
 Q72, 83 : 2SC1740S (Q, R) or 2SC2785 (F, E)
 Q81, 82 : 2SA933S (Q, R) or 2SA1175 (F, E)
 Q80 : UN4116 or DTA143TS

D1-10, 50-61 : 1SS133 or HSS104
 63-65, 73-80 : 1SS131 or HSS104A
 D15-24, 36, 37 : 1SS131 or HSS104A
 45-49 : RD18ES (B) or HZS18N (B)
 D25, 26 : RD16ES (B2) or HZS16N (B2)
 D27-30 : RD8.2ES (B2) or HZS8.2N (B2)
 D31-34 : D5FB20-4002-L2
 D35 : S5688B or 1SR139-100
 D39, 66-69 : RD11ES (B2) or HZS11N (B2)
 D40 : RD13ES (B2) or HZS13N (B2)
 D41 : RD5.6ES (B2) or HZS5.6N (B2)
 D62 : RD5.1ES (B2) or HZS5.1N (B2)
 D70

D1-10, 50-61 : 1SS133 or HSS104
 63-65, 73-80 : 1SS131 or HSS104A
 D15-24, 36, 37 : 1SS131 or HSS104A
 45-49 : RD18ES (B) or HZS18N (B)
 D25, 26 : RD16ES (B2) or HZS16N (B2)
 D27-30 : RD8.2ES (B2) or HZS8.2N (B2)
 D31-34 : D5FB20-4002-L2
 D35 : S5688B or 1SR139-100
 D39, 66-69 : RD11ES (B2) or HZS11N (B2)
 D40 : RD13ES (B2) or HZS13N (B2)
 D41 : RD5.6ES (B2) or HZS5.6N (B2)
 D62 : RD5.1ES (B2) or HZS5.1N (B2)
 D70

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.



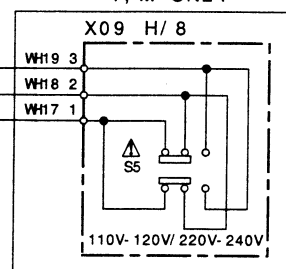
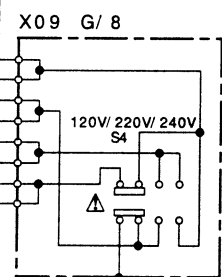
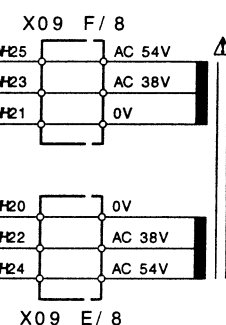
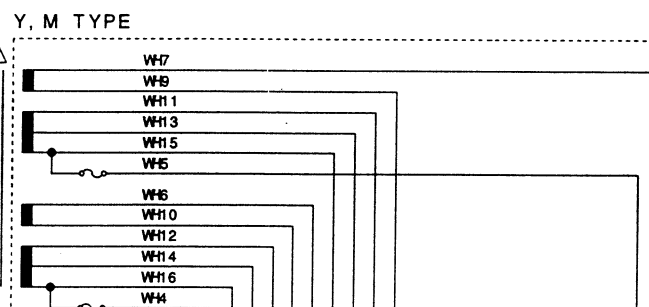
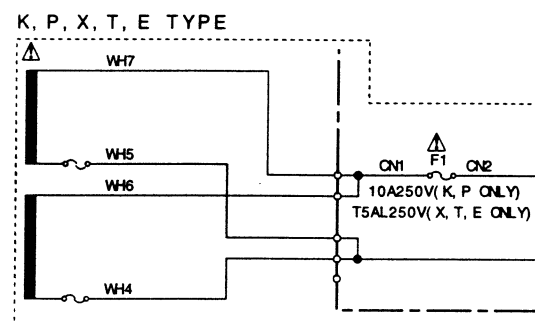
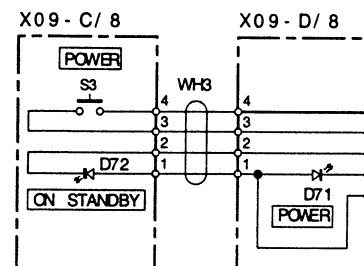
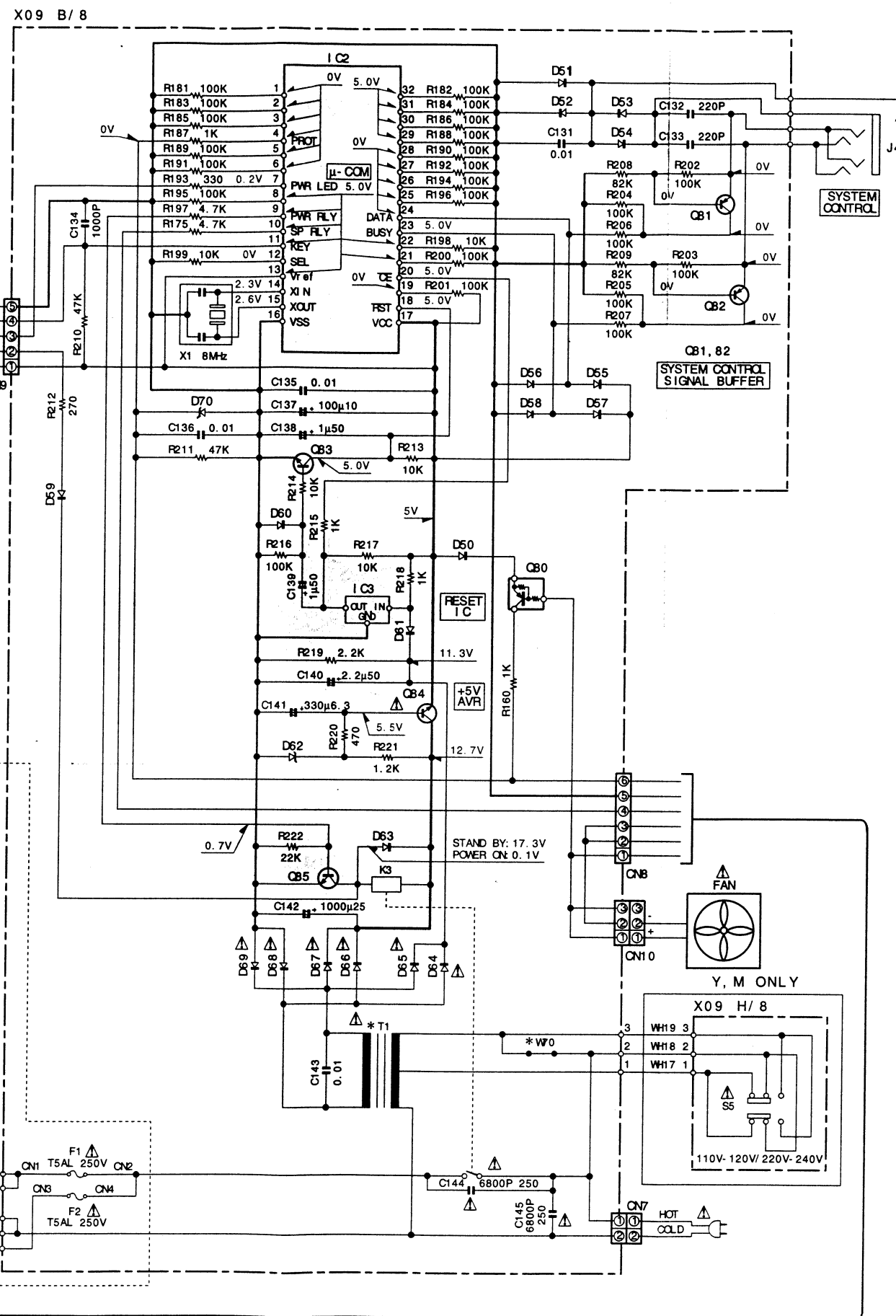
— SIGNAL LINE
 --- GND LINE
 KM-X1000/ KI

with manufacturer's recommended
 the risk of electric shock, leakage
 are acceptably insulated from the

• DC voltages are as measured with a high impedance voltmeter. Values may
 vary slightly due to variations between individual instruments or/and units.

X09-419X-XX

UNI T	REF. NO. ABB	T1	C73\80	C83\86	WFO	J3
0-10	K, P	L07-1876-05	YES	NO	YES	E70-0034-05
0-21	Y, M	L07-1877-05			NO	E70-0061-05
0-71	X	L07-1878-05	NO	YES		
2-71	T, E	L07-1879-05			YES	E70-0034-05



2SA1123
2SA1124
2SA1534A
2SA992
2SB764
2SC1845
2SC2003
2SC2631
2SC2632
2SC3246
2SC3940A
2SD863

2SA1175
2SC2785

DTA143TS
UN4116
2SA933S
2SC1740S

2SB1162BD*5
2SD1717BD*5

2SA1535
2SC3944
2SD2061

2SD2012

2SC4137F19

2SA1110
2SC2590

NJM4580D-D

— SIGNAL LINE — +B LINE
— GND LINE — -B LINE
KM-X1000/ KM-X1000(G)

• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

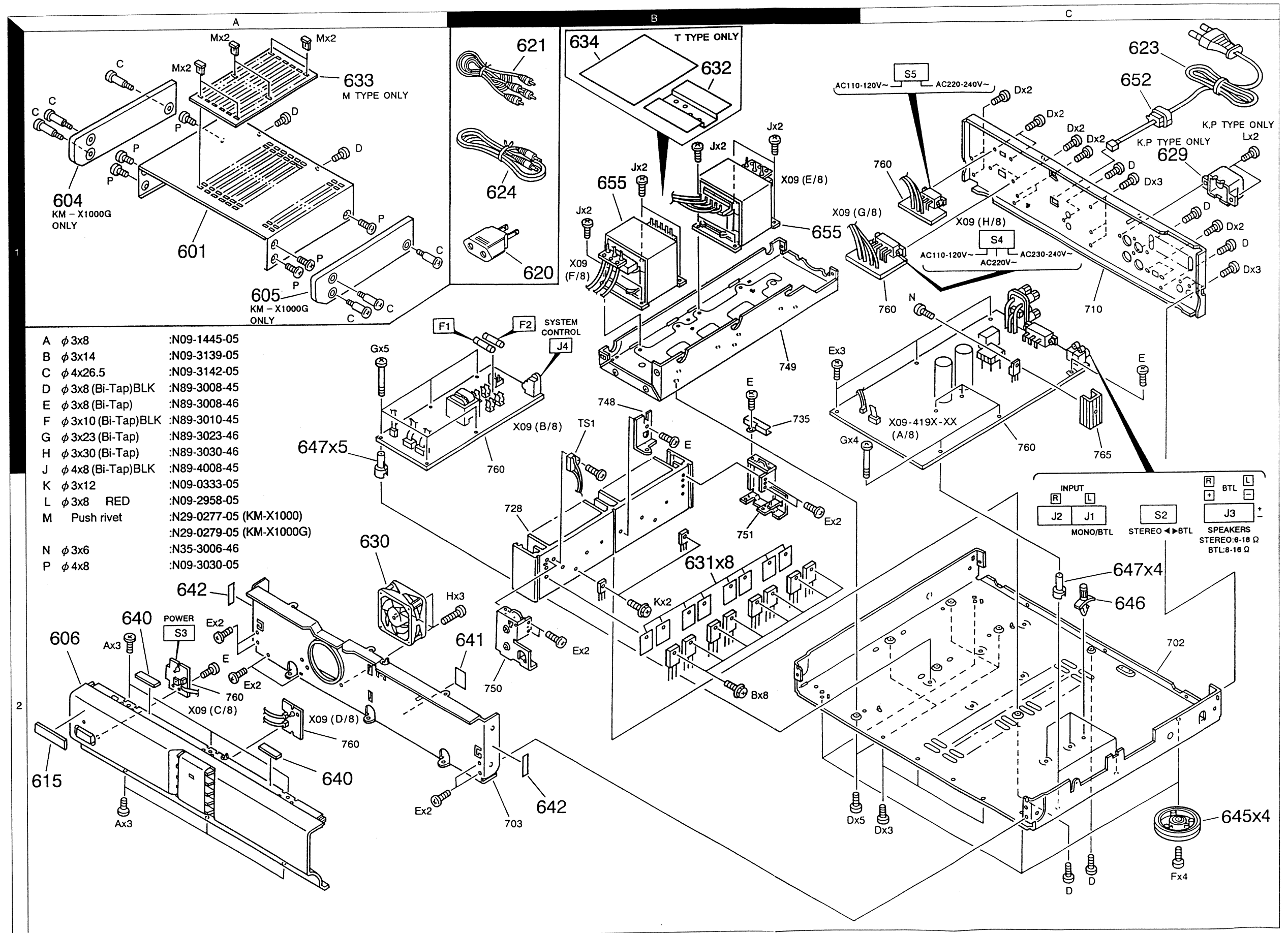
Y08-5310-10

KM-X1000/(G)
KENWOOD

KM-X1000/(G)

KM-X1000/(G) EXPLODED VIEW

KM-X1000/(G)



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

1

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
KM-X1000/(G)						
601	1A	*	A01-3236-01	METALLIC CABINET		
601	1A	*	A01-3238-01	METALLIC CABINET		G
604	1A	*	A50-0383-03	SIDE PLATE ASSY (LEFT)		G
605	1A	*	A50-0385-03	SIDE PLATE ASSY (RIGHT)		G
606	2A	*	A60-0751-22	PANEL ASSY (BLACK)		G
606	2A	*	A60-0753-22	PANEL ASSY (GOLD)		G
615	2A	*	B43-0287-04	KENWOOD BADGE		
		*	B46-0092-43	WARRANTY CARD	KY	
		*	B46-0096-53	WARRANTY CARD	X	
		*	B46-0121-33	WARRANTY CARD	P	
		*	B46-0197-00	QUESTIONAIRE CARD	K	
		*	B46-0310-03	WARRANTY CARD	TE	
		*	B58-0964-13	CAUTION CARD (CAUTION UL)	KY	
		*	B58-0965-13	CAUTION CARD (TX TYPE PL)	PXT	
		*	B58-0966-13	CAUTION CARD (ELM TYPE PL)	ME	
		*	B58-0968-04	CAUTION CARD	Y	
		*	B58-0991-00	CAUTION CARD (P2,PRA,A4.1)	KP	
		*	R60-2136-00	INSTRUCTION MANUAL (EN)	KPYMXT	
		*	B60-2137-00	INSTRUCTION MANUAL (FR)	PE	
		*	B60-2139-00	INSTRUCTION MANUAL (G/D/I)	E	
		*	B60-2140-00	INSTRUCTION MANUAL (SP)	ME	
		*	B60-2141-00	INSTRUCTION MANUAL (C)	M	
		*	B60-2250-00	INSTRUCTION MANUAL (TAIWAN)	M	
Δ 620	1B		E03-0115-05	AC PLUG ADAPTER	M	
621	1B		E30-0505-05	AUDIO CORD		
Δ 623	1C		E30-2592-15	AC POWER CORD	ME	
Δ 623	1C		E30-2605-05	AC POWER CORD	Y	
Δ 623	1C		E30-2650-05	AC POWER CORD	KP	
Δ 623	1C		E30-2717-05	AC POWER CORD	X	
Δ 623	1C		E30-2721-05	AC POWER CORD	T	
624	1B		E30-2733-05	CORD WITH PLUG		
629	1C	*	F07-0765-03	COVER	KP	
630	2A	*	F09-0099-05	FAN		
Δ 631	2B	*	F20-1322-05	INSULATING BOARD		
632	1B	*	F20-1446-04	INSULATING BOARD	T	G
633	1A	*	F20-1447-23	INSULATING BOARD	M	
633	1A	*	F20-1454-13	INSULATING BOARD	M	
634	1B	*	F20-1449-04	INSULATING BOARD	T	
640	2A		G11-0155-14	SOFT TAPE (40X9X2)		
641	2B		G10-0146-04	NON-WOVEN FABRIC		
642	2A,2B		G11-1098-04	SOFT TAPE		
		*	H50-1520-04	ITEM CARTON CASE (KM-X1000)	KPYXE	
		*	H50-1521-04	ITEM CARTON CASE (KM-X1000)	M	
		*	H50-1550-04	ITEM CARTON CASE (KM-X1000)	T	G
		*	H50-1574-04	ITEM CARTON CASE (KM-X1000G)		
		*	H10-7058-02	POLYSTYRENE FOAMED FIXTURE (L)		
		*	H10-7059-02	POLYSTYRENE FOAMED FIXTURE (R)		
		*	H10-7060-11	POLYSTYRENE FOAMED FIXTURE (L)		G
		*	H10-7061-11	POLYSTYRENE FOAMED FIXTURE (R)		G
		*	H12-2236-04	PACKING FIXTURE	T	
		*	H13-0198-04	CARTON BOARD	X	

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

* New Parts
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3

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C87 ,88			C91-1422-05	MP	0.10UF	250WV
C91 -98			CQ93FMG1H104J	MYLAR	0.10UF	J
C99 ,100			CK45FF1H472Z	CERAMIC	4700PF	Z
C101			CK45FB1H102K	CERAMIC	1000PF	K
C103,104			C91-1422-05	MP	0.10UF	250WV
C105-108			CE04LW1V100M	ELECTRO	10UF	35WV
C110			CK45FE2H103P	CERAMIC	0.010UF	P
C111,112		*	C90-3583-05	ELECTRO	000UF	82WV
C113,114			CE04LW1V100M	ELECTRO	10UF	35WV
C115			CE04LW1E471M	ELECTRO	470UF	25WV
C116			CE04LW1J221M	ELECTRO	220UF	63WV
C117,118			CE04LW1J470M	ELECTRO	47UF	63WV
C119,120			CE04LW1J100M	ELECTRO	10UF	63WV
C121			CE04LW1V100M	ELECTRO	10UF	35WV
C122,123			CE04LW1A101M	ELECTRO	100UF	10WV
C125			CE04LW1H010M	ELECTRO	1.0UF	50WV
C131			CK45FF1H103Z	CERAMIC	0.010UF	Z
C132,133			CC45FSL1H221J	CERAMIC	220PF	J
C134			CK45FB1H102K	CERAMIC	1000PF	K
C135,136			CK45FF1H103Z	CERAMIC	0.010UF	Z
C137			CE04LW1A101M	ELECTRO	100UF	10WV
C138,139			CE04LW1H010M	ELECTRO	1.0UF	50WV
C140			CE04LW1H2R2M	ELECTRO	2.2UF	50WV
C141			CE04LW0J331M	ELECTRO	330UF	6.3WV
C142			CE04LW1E102M	ELECTRO	1000UF	25WV
Δ C143			CK45FF1H103Z	CERAMIC	0.010UF	Z
C144,145			C91-1488-05	MF	6800PF	250VAC
CN7	1A		E40-4245-05	PIN ASSY		
CN8	1A		E40-4296-05	FLAT CABLE CONNCTOR		
CN9	1A		E40-4295-05	FLAT CABLE CONNCTOR		
CN10	1A		E40-3247-05	PIN ASSY		
CN11	1C		E40-3246-05	PIN ASSY		
J1		*	E63-0146-05	PHONO JACK (MONO/BTL)		
J2		*	E63-0147-05	PHONO JACK (RcH)		
J3		*	E70-0034-05	LOCK TERMINAL BOARD (SPEAKERS)	KPXT	
J3		*	E70-0061-05	SCREW TERMINAL BOARD(SPEAKERS)	YM	
J4		*	E11-0188-05	MINIATURE PHONE JACK(S.CONT)		
Δ F1			F05-1037-05	FUSE (250V 10A)	KP	
Δ F1			F05-5025-05	FUSE (SEMKO) (250V T5A L)	YMXTE	
Δ F2			F05-5025-05	FUSE (SEMKO) (250V T5A L)	YM	
CN1 ,2			J13-0041-05	FUSE CLIP	KP	
CN1 ,2			J13-0075-05	FUSE CLIP	YMXTE	
CN3 ,4			J13-0075-05	FUSE CLIP	YM	
L1,2			L40-2201-17	SMALL FIXED INDUCTOR(22UH,K)		
L3,4			L39-0085-05	PHASE COMPENSATION COIL(0.6UH)		
Δ T1			L07-1876-05	POWER TRANSFORMER	KP	
Δ T1			L07-1877-05	POWER TRANSFORMER	YM	
Δ T1			L07-1878-05	POWER TRANSFORMER	X	
Δ T1			L07-1879-05	POWER TRANSFORMER	TE	
X1			L78-0290-05	RESONATOR (8MHZ)		
CP1 -4			R90-0840-05	RD	0.22	5W
R41 ,42			RD14NB2E151J	RD	150	J 1/4W
R43 ,44			RD14NB2E103J	RD	10K	J 1/4W

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

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2

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	KPYMXE	
-			H25-0319-04	PROTECTION BAG	KPYMXE	
-			H25-0387-14	PROTECTION BAG		G
-			H25-0651-04	PROTECTION BAG (0232 PRINTED)	T	
-			H25-0657-04	PROTECTION BAG (0319 PRINTED)	T	
645	2C	*	J02-1001-05	FOOT (BLACK)		
645	2C	*	J02-1135-05	FOOT (GOLD)		G
646	2C		J19-2536-05	UNIT HOLDER		
647	1A,2C		J19-3690-04	UNIT HOLDER		
Δ 652	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
Δ 655	1B	*	L07-1959-05	POWER TRANSFORMER	KP	
Δ 655	1B	*	L07-1960-05	POWER TRANSFORMER	YM	
Δ 655	1B	*	L07-1961-05	POWER TRANSFORMER	X	
Δ 655	1B	*	L07-1962-05	POWER TRANSFORMER	TE	
A	2A		N09-1445-05	FLAT HEAD SET SCREW M3X8		
B	2B		N09-3139-05	HEXAGON HD WITH WASHER M3X14		G
C	1A		N09-3142-05	DRESSED SCREW (4X26.5+)		
K	2B		N09-0333-05	HEXAGON HD TAPPING SCREW M3X12		
L	1C		N09-2958-05	S-TAPTITE SCREW RED M3X8	KP	
M	1A	*	N29-0277-05	PUSH RIVET	M	
M	1A	*	N29-0279-05	PUSH RIVET	M	G
P	1A	*	N09-3030-05	B-TAPTITE DRESSED BLACK M4X8		
Δ TS1	1B		S79-0013-05	THERMAL SWITCH (115 °C)		
AUDIO UNIT (X09-419X-XX)						
D71			B30-1291-05	LED (POWER)		
D72			B30-1290-05	LED (ON/STANDBY)		
C1-4			CC45FSL1H101J	CERAMIC	100PF	J
C7,8			CE04LW1H4R7M	ELECTRO	4.7UF	50WV
C9			CK45FF1H473Z	CERAMIC	0.047UF	Z
C10			CE04LW1H010M	ELECTRO	1.0UF	50WV
C11 -13			CC45FSL1H101J	CERAMIC	100PF	J
C21 ,22			CE04LW1H3R3M	ELECTRO	3.3UF	50WV
C23 ,24			CC45FSL1H101J	CERAMIC	100PF	J
C25 ,26			CC45FSL1H221J	CERAMIC	220PF	J
C27 ,28			CK45FB1H471K	CERAMIC	470PF	K
C29 ,30			CC45FSL1H470J	CERAMIC	47PF	J
C31 ,32			CQ93FMG1H122J	MYLAR	1200PF	J
C33 ,34			CE04LW1A101M	ELECTRO	100UF	10WV
C35 ,36			CC45FSL1H220J	CERAMIC	22PF	J
C37 -44			CC45FSL1H101J	CERAMIC	100PF	J
C45 ,46			CE04LW1C220M	ELECTRO	22UF	16WV
C47			CE04LW1C330M	ELECTRO	33UF	16WV
C51 ,52			CK45FF1H103Z	CERAMIC	0.010UF	Z
C53 -56			CC45FSL1H221J	CERAMIC	220PF	J
C57 -64			CC45FSL1H101J	CERAMIC	100PF	J
C65 -68			CK45FB1H152K	CERAMIC	1500PF	K
C69 ,70			CK45FF1H103Z	CERAMIC	0.010UF	Z
C71 ,72			CE04LW1C220M	ELECTRO	22UF	16WV
C73 -80			CE04LW2A2R2M	ELECTRO	2.2UF	100WV
C81 ,82			CK45FF1H103Z	CERAMIC	0.010UF	Z
C83 -86			CE04LW2A2R2M	ELECTRO	2.2UF	100WV

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

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

4

Ref. No.	Add- ress	New Parts	Parts No.	Description		Desti- nation	Re- marks
R47 -50			RD14NB2E331J	RD	330	J 1/4W	
R65 -68			RD14NB2E331J	RD	330	J 1/4W	
R69 -72			RD14NB2E471J	RD	470	J 1/4W	
R73 -76			RD14NB2E820J	RD	82	J 1/4W	
R77 -80			RD14NB2E150J	RD	15	J 1/4W	
R85 -88			RD14NB2E100J	RD	10	J 1/4W	
R89 -96			RD14NB2E4R7J	RD	4.7	J 1/4W	
R97 -100			RD14NB2E101J	RD	100	J 1/4W	
R111-114			RD14NB2E152J	RD	1.5K	J 1/4W	
R115-118			RD14NB2E222J	RD	2.2K	J 1/4W	
R131,132			RD14NB2E100J	RD	10	J 1/4W	
R133-136			RS14KB3D100J	FL-PROOF RS	10	J 2W	
R137,138			RD14NB2E4R7J	RD	4.7	J 1/4W	
R139			RS14KB3A822J	FL-PROOF RS	8.2K	J 1W	
R140			RS14KB3A682J	FL-PROOF RS	6.8K	J 1W	
R141,142			RS14KB3D222J	FL-PROOF RS	2.2K	J 2W	
R149			RD14NB2E470J	RD	47	J 1/4W	
R151			RS14KB3D180J	FL-PROOF RS	18	J 2W	
R153			RD14NB2E392J	RD	3.9K	J 1/4W	
R154			RD14NB2E682J	RD	6.8K	J 1/4W	
R155,156			RD14NB2E332J	RD	3.3K	J 1/4W	
R159			RS14KB3D180J	FL-PROOF RS	18	J 2W	
VR3 ,4			R12-1616-05	TRIMMING POT. (1K IDLE ADJ)			
K1			S76-0028-05	MAGNETIC RELAY (STEREO/BTL)			
K2			S51-2088-05	MAGNETIC RELAY (PROTECTION)			
K3			S76-0002-05	MAGNETIC RELAY			
S2			S31-2136-05	SLIDE SWITCH (STEREO/BTL)			
S3			S70-0031-05	TACT SWITCH (POWER)			
S4			S31-2322-05	SLIDE SWITCH (120-/220-/240)		YM	
S5			S62-0001-05	SLIDE SWITCH (120-/240-)		YM	
D1-10			HSS104	DIODE			
D1-10			1SS133	DIODE			
D15 -24			HSS104A	DIODE			
D15 -24			1SS131	DIODE			
D25 ,26			HZS18N(B)	ZENER DIODE			
D25 ,26			RD18ES(B)	ZENER DIODE			
D27 -30			HZS16N(B2)	ZENER DIODE			
D27 -30			RD16ES(B2)	ZENER DIODE			
D31 -34			HZS8.2N(B2)	ZENER DIODE			
D31 -34			RD8.2ES(B2)	ZENER DIODE			
D35			D5FB20-4002-L2	DIODE			
D36 ,37			HSS104A	DIODE			
D36 ,37			1SS131	DIODE			
D39			S5688B	DIODE			
D39			1SR139-100	DIODE			
D40			HZS11N(B2)	ZENER DIODE			
D40			RD11ES(B2)	ZENER DIODE			
D41			HZS13N(B2)	ZENER DIODE			
D41			RD13ES(B2)	ZENER DIODE			
D45 -49			HSS104A	DIODE			
D45 -49			1SS131	DIODE			
D50 -61			HSS104	DIODE			
D50 -61			1SS131	DIODE			
D62			HZS5.6N(B2)	ZENER 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.

5

Ref. No.	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
D62			RD5.6ES(B2)	ZENER DIODE		
Δ D63 -65			HSS104	DIODE		
Δ D63 -65			1SS133	DIODE		
Δ D66 -69			S5688B	DIODE		
Δ D66 -69			1SR139-100	DIODE		
D70			HZS5.1N(B2)	ZENER DIODE		
D70			RD5.1ES(B2)	ZENER DIODE		
D73 -80			HSS104	DIODE		
D73 -80			1SS133	DIODE		
IC1			NJM4580D-D	IC(OP AMP X2)		
IC2			M37470M4-189SP	MI-COM IC		
IC3			S-806D-Z	ANALOGUE IC		
Q1-6			2SC1845(F,E)	TRANSISTOR		
Q7-10			2SA992(F,E)	TRANSISTOR		
Q11 -14			2SA1124(R,S)	TRANSISTOR		
Q15 ,16			2SC2632(R,S)	TRANSISTOR		
Q21 ,22			2SC1845(F,E)	TRANSISTOR		
Q23 ,24			2SC2631(R,S)	TRANSISTOR		
Q25 ,26			2SA1123(R,S)	TRANSISTOR		
Δ Q27 ,28			2SA1535(Q,R)	TRANSISTOR		
Δ Q29 ,30			2SC3944(Q,R)	TRANSISTOR		
Δ Q31 -34			2SD1717BD*5	TRANSISTOR		
Δ Q35 -38			2SB1162BD*5	TRANSISTOR		
Q39 ,40			2SC4137F19(V,W)	TRANSISTOR		
Q41 ,42			2SC2631(R,S)	TRANSISTOR		
Q43 ,44			2SA1123(R,S)	TRANSISTOR		
Q51			2SC3940A(R,S)	TRANSISTOR		
Q51			2SD863(E,F)	TRANSISTOR		
Q52			2SA1534A(R,S)	TRANSISTOR		
Q52			2SB764(E,F)	TRANSISTOR		
Q53			2SA992(F,E)	TRANSISTOR		
Δ Q54			2SD2012	TRANSISTOR		
Δ Q54			2SD2061(E,F)	TRANSISTOR		
Δ Q55			2SC2590(Q,R)	TRANSISTOR		
Δ Q56			2SA1110(Q,R)	TRANSISTOR		
Q61 ,62			2SC1845(F,E)	TRANSISTOR		
Q63			2SA992(F,E)	TRANSISTOR		
Q64			2SC3246	TRANSISTOR		
Q71			2SC2003(L,K)	TRANSISTOR		
Q72			2SC1740S(Q,R)	TRANSISTOR		
Q72			2SC2785(F,E)	TRANSISTOR		
Q80			DTA143TS	DIGITAL TRANSISTOR		
Q80			UN4116	TRANSISTOR		
Q81 ,82			2SA1175(F,E)	TRANSISTOR		
Q81 ,82			2SA933S(Q,R)	TRANSISTOR		
Q83			2SC1740S(Q,R)	TRANSISTOR		
Δ Q83			2SC2785(F,E)	TRANSISTOR		
Δ Q84			2SC3940A(R,S)	TRANSISTOR		
Δ Q84			2SD863(E,F)	TRANSISTOR		
Q85			2SC2003(L,K)	TRANSISTOR		

L:Scandinavia

Y:PX(Far East, Hawaii)

Y:AAFES(Europe)

K:USA

T:England

X:Australia

P:Canada

E:Europe

M:Other Areas

R:Mexico

G:Germany

Δ indicates safety critical components.

PARTS LIST

KM-X1000/(G)

KM-X1000/(G)

SPECIFICATIONS

Rated power output

For the U.S.A and Canada

STEREO MODE

130 watts per channel minimum RMS, both channels driven at 8 Ω , from 20 Hz to 20,000 Hz with no more than 0.01 % total harmonic distortion (FTC)

MONO (BTL) MODE

270 watts minimum RMS, at 8 Ω , from 20 Hz to 20,000 Hz with no more than 0.03 % total harmonic distortion (FTC)

For U.K.

(IHF'66)

STEREO MODE

From 20 Hz to 20 kHz, 0.01 % T.H.D. at 8 Ω

..... 130 W + 130 W

MONO (BTL) MODE

From 20 Hz to 20 kHz, 0.03 % T.H.D. at 8 Ω

..... 270 W

(DIN)

STEREO MODE

1 kHz, 0.5 % T.H.D. at 8 Ω 145 W + 145 W

1 kHz, 0.5 % T.H.D. at 6 Ω 190 W + 190 W

MONO (BTL) MODE

1 kHz at 8 Ω 340 W

(IEC/NF)

STEREO MODE

From 63 Hz to 12,500 Hz, 0.5 % T.H.D. at 8 Ω

..... 145 W + 145 W

From 63 Hz to 12,500 Hz, 0.5 % T.H.D. at 6 Ω

..... 190 W + 190 W

MONO (BTL) MODE

From 63 Hz to 12,500 Hz, 0.5 % T.H.D. at 8 Ω

..... 325 W

For other countries

(IHF'66)

STEREO MODE

From 20 Hz to 20 kHz, 0.01 % T.H.D. at 8 Ω

..... 130 W + 130 W

MONO (BTL) MODE

From 20 Hz to 20 kHz, 0.03 % T.H.D. at 8 Ω

..... 270 W

(IEC/NF)

STEREO MODE

From 63 Hz to 12,500 Hz, 0.5 % T.H.D. at 8 Ω

..... 145 W + 145 W

From 63 Hz to 12,500 Hz, 0.5 % T.H.D. at 6 Ω

..... 190 W + 190 W

MONO (BTL) MODE

From 63 Hz to 12,500 Hz, 0.5 % T.H.D. at 8 Ω

..... 325 W

(EIAJ)

STEREO MODE

1 kHz, 10 % T.H.D. at 8 Ω 180 W + 180 W

1 kHz, 10 % T.H.D. at 6 Ω 230 W + 230 W

MONO (BTL) MODE

1 kHz, 10 %, T.H.D. at 8 Ω 420 W

Total harmonic distortion

STEREO MODE

..... 0.01 % (20 Hz ~ 20 kHz, 130 W, 8 Ω)

..... 0.001 % (1 kHz, 130 W, 8 Ω)

MONO (BTL) MODE

..... 0.03 % (20 Hz ~ 20 kHz, 270 W, 8 Ω)

..... 0.001 % (1 kHz, 270 W, 8 Ω)

Frequency response

MAIN IN 3 Hz ~ 100 kHz, +0 dB, -3 dB

Signal to noise ratio

(IHF'66)

MAIN IN 124 dB

(IHF'78)

MAIN IN 101 dB

(DIN)

MAIN IN 66 dB (50 mW output)

Input sensitivity / Impedance

STEREO MODE

MAIN IN 1.1 V / 20 k Ω

MONO (BTL) MODE

MAIN IN 1.5 V / 100 k Ω

GENERAL

Power consumption 3.5 A

..... 310 W

Dimensions (KM-X1000)

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

H: 113 mm (4-7/16")

D: 394 mm (15-1/2")

(For the U.S.A. and Canada)

D: 384 mm

(Except for the U.S.A. and Canada)

Dimensions (KM-X1000(G))

W: 479 mm

H: 113 mm

D: 384 mm

Weight (net) (KM-X1000) 13.3 kg (29.4 lb)

Weight (net) (KM-X1000(G)) 14.1 kg

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

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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.