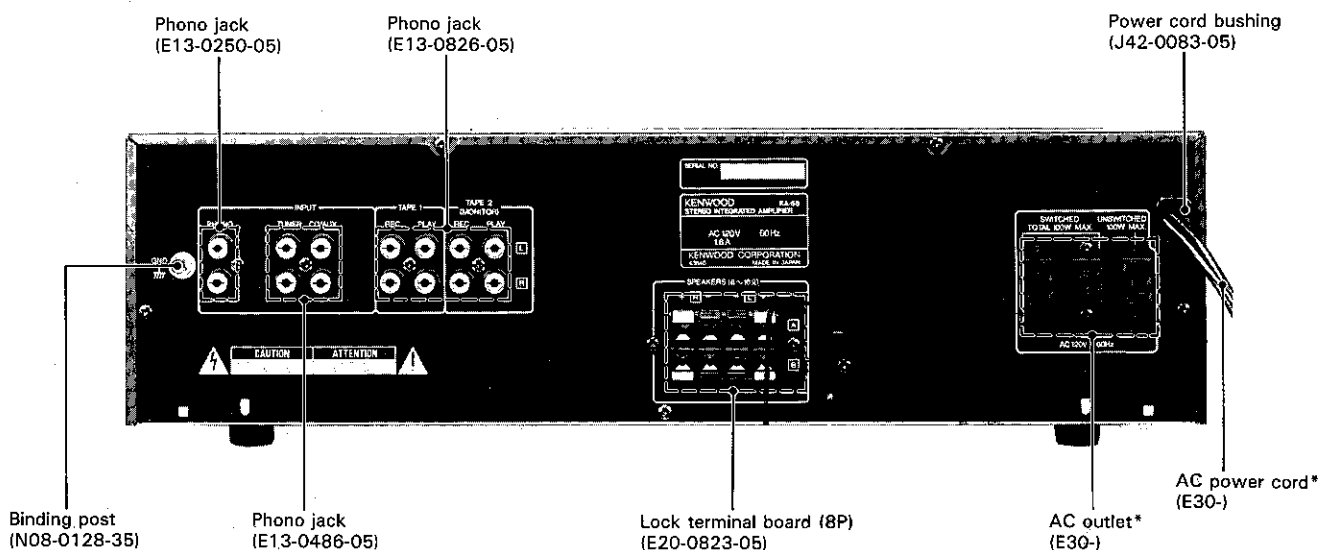
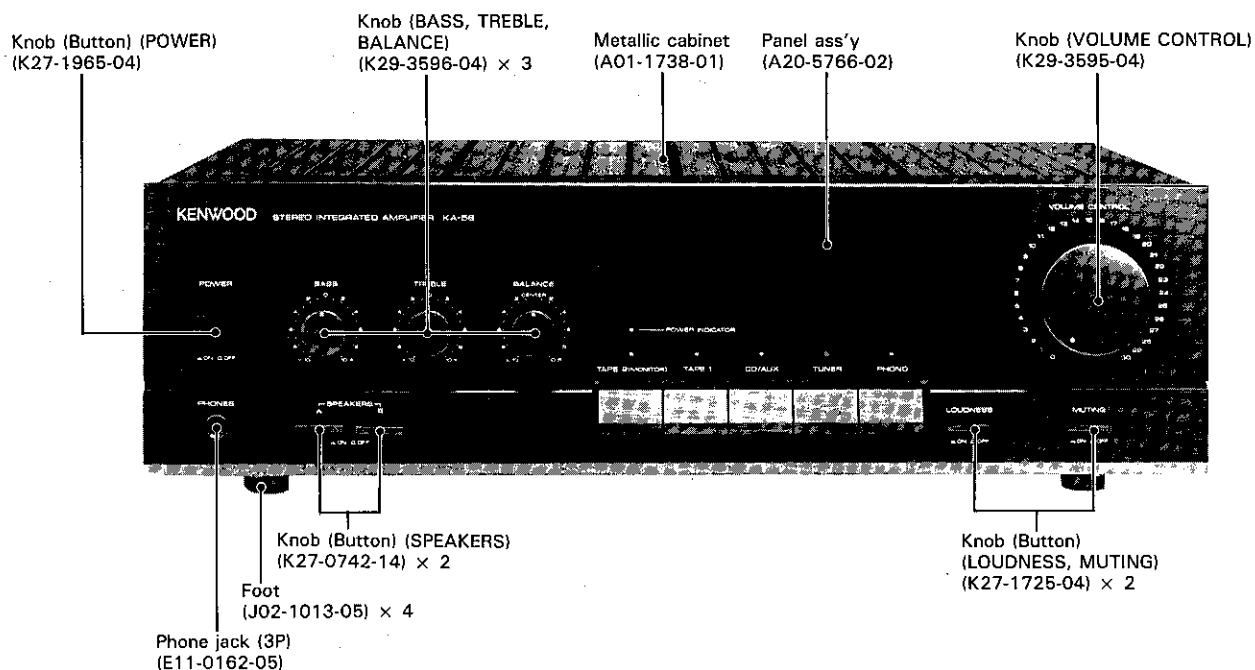
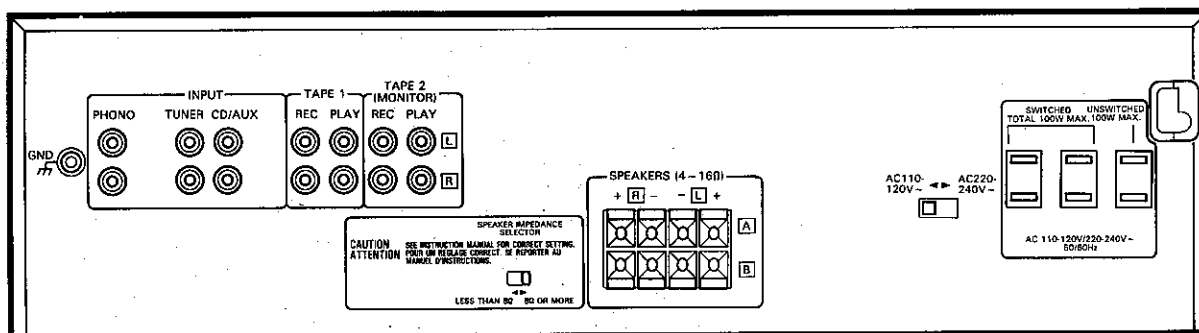
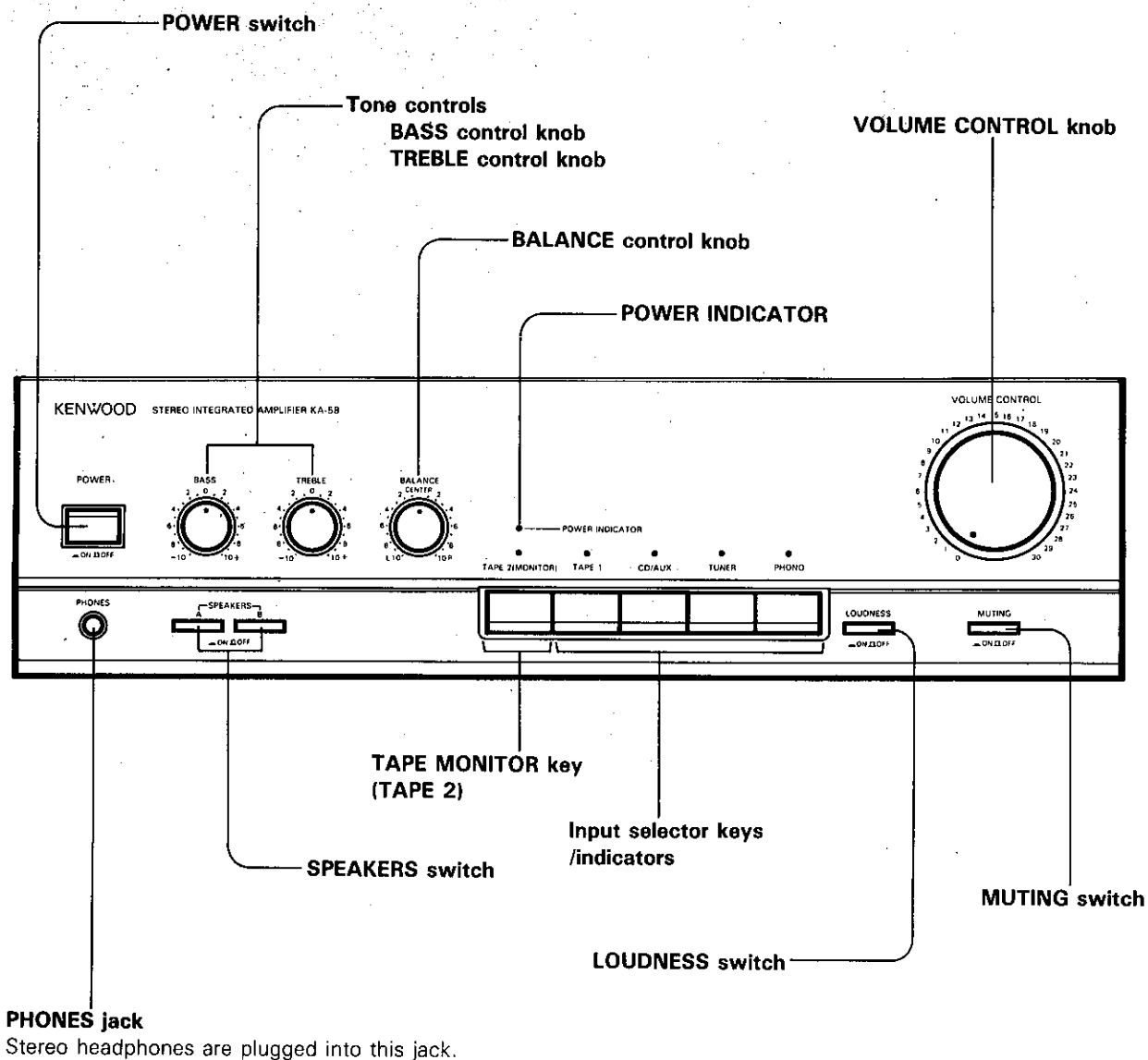


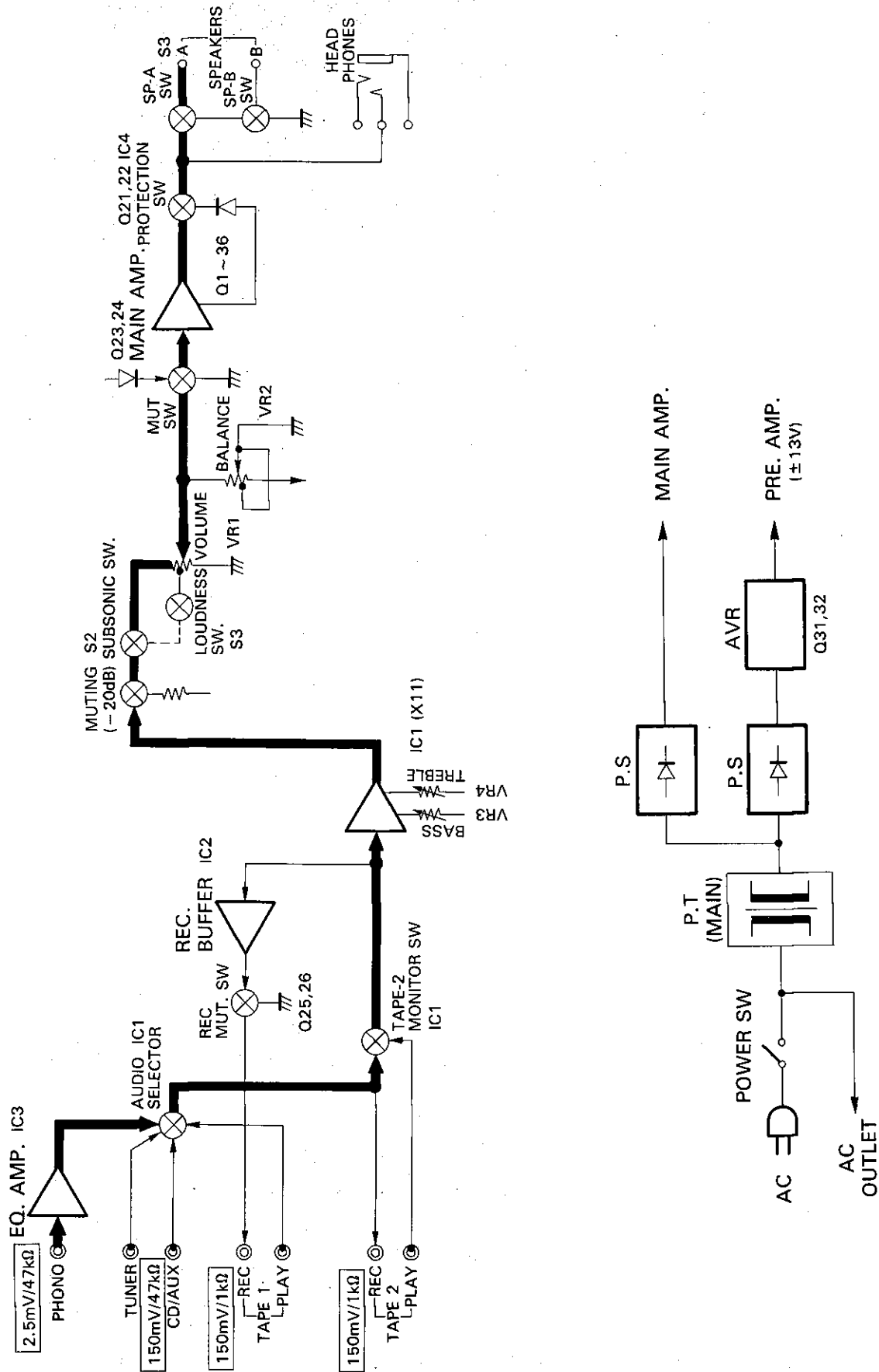


*Refer to parts list on page 20.

CONTROLS AND INDICATORS



BLOCK & LEVEL DIAGRAM



CIRCUIT DESCRIPTION

TONE CONTROL UNIT (X11-262X-XX)

Ref.No.	Name	Use and Function	Operation/Condition/Compatibility
IC1	μ PC4570C-A	2-device OP amp	For tone control, one device is used for one channel.

AUDIO UNIT (X09-284X-XX)

Ref.No.	Name	Use and Function	Operation/Condition/Compatibility
IC1	LC7818	Input selector	C-MOS $\pm 13V$
IC2	μ PC4570C-A	TAPE-1 REC OUT buffer	
IC3	μ PC4570C-A	PHONO EQ amp.	
IC4	μ PC1237HA	Protection	Reset type
Q1~4	2SC1845(F,E)	Class A first stage amp	
Q5~8	2SA992(F,E)	Class A second stage amp	
Q9,10	2SC2632(Q,R,S)	A class amp.	
Q11~14	2SC2632(Q,R,S)	Third stage amp	
Q15,16	2SA1124(Q,R,S)	Current mirror	
Q17~20	2SA1535(Q,R,S) 2SC3944(Q,R,S)	Driver	
Q21,22	2SA733(A) 2SA933S	Over current protection	
Q23~26	2SC2878(B)	Mutting	HI:ON
Q27~30	2SA733(A) 2SA933S 2SC1740S 2SC945(A)	Mutting driver	
Q31	2SD882	+ 13 V regulated voltage	
Q32	2SA954(L,K)	- 13 V regulated voltage	
Q39	DTA124EN	For IC1 initialize spec.	Making pin MIN "L" when the +13 V regulated voltage becomes 10 V.

Device of main body part that does not belong to X09 unit.

Ref.No.	Name	Use and Function	Operation/Condition/Compatibility
Q33~36	2SB1162 2SB1163 2SD1717 2SD1718	Final stage	
Q37,38	2SC4137(V,W)	Bias transistors	HI:hfe

ADJUSTMENT/REGLAGES/ABGLEICH

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, set the respective switches as follows: POWER: ON SPEAKER: B REC OUT: OFF SELECTOR: PHONO							
1	IDLE CURRENT	—	Connect a DC voltmeter across CP1 (L) CP2 (R) (X09-)	VOLUME: 0	VR1 (L) VR2 (R) (X09-)	18mV	(a)

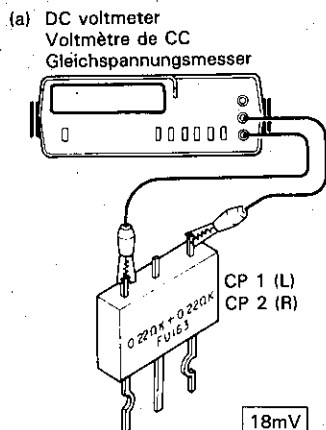
REGLAGES

N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DE L'AMPLIFICATEUR	POINTS DE L'ALIGNMENT	ALIGNER POUR	FIG.
Sauf indication contraire, régler comme suit les commandes respectives: POWER: ON SPEAKER: B REC OUT: OFF SELECTOR: PHONO							
1	COURANT DE POLARISATION	—	Connecter un voltmètre de CC SUR CP1 (G) CP2 (D) (X09-)	VOLUME: 0	VR1 (G) VR2 (D) (X09-)	18mV	(a)

ABGLEICH

NR.	GENGENSTAND	EINGANGS- EINSTELLUNG	AUSANG- EINSTELLUNG	VORSTÄRKER- EINSTELLUNG	ABGLEICHE- PUNKTE	ABGLEICHEN FÜR	ABB.
Wenn nicht anders angegeben, die einzelnen Schalter wie folgt einstellen: POWER: ON SPEAKER: B REC OUT: OFF SELECTOR: PHONO							
1	LEERLAUFSTROM	—	Einen Gleichspannungs- messer über CP1 (L) CP2 (R) anschießen. (X09-)	VOLUME: 0	VR1 (L) VR2 (R) (X09-)	18mV	(a)

ADJUSTMENT/REGLAGES/ABGLEICH



VOLTAGE TABLES

AUDIO UNIT (X09-284X-XX)

IC1

9	-13V
22	13V

IC2

1,2	0V
4	-13V
6,7	0V
8	13V

IC3

1	0V
4	-13V
7	0V
8	13V

IC4

4	2.8V
6	0.7V
7	2.2V
8	3.4V

Q1~4

E	-0.6V
C	64.1V
B	0V

Q5~8

E	64.8V
C	-
B	64.1V

Q9,10

E	-0.6V
C	-
B	0V

Q11, 12

E	-63V
C	-0.6V
B	-62.4V

Q13, 14

E	-63V
C	-1.2V
B	-62.4V

Q15, 16

E	62V
C	1.2V
B	61.4V

Q17, 18

E	-0.6V
C	-66.5V
B	-1.2V

Q19,20

E	0.6V
C	66.5V
B	1.2V

Q27, 30

E	13V
C	-
B	-

Q31

E	12.5V
C	-
B	-

Q32

E	-12.5V
C	-
B	-

Q33, 34

E	-
C	-66.5V
B	-0.6V

Q35, 36

E	-
C	66.5V
B	-

Q37, 38

E	-1.2V
C	1.2V
B	-0.6V

Q39

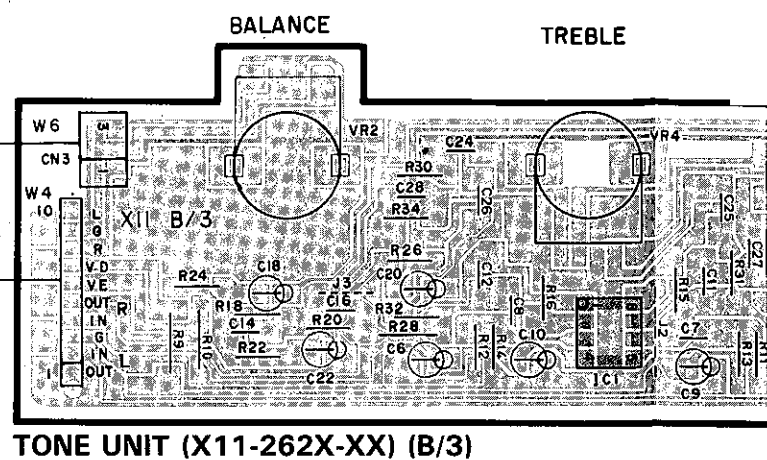
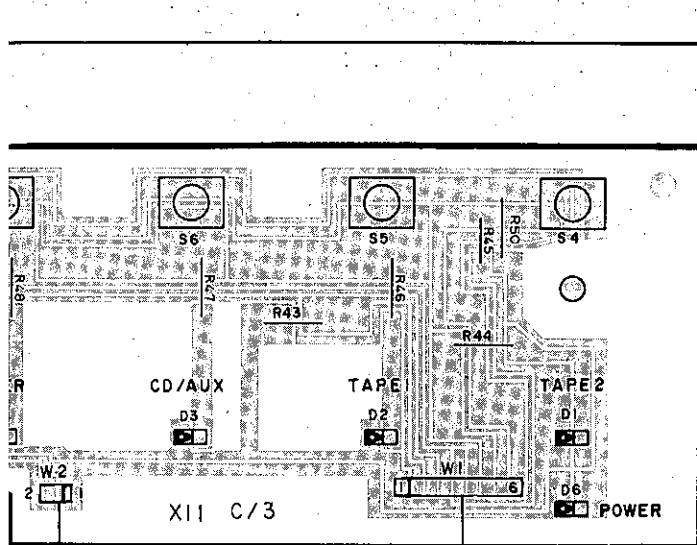
E	13V
C	-
B	-

STONE UNIT (X11-262X-XX)

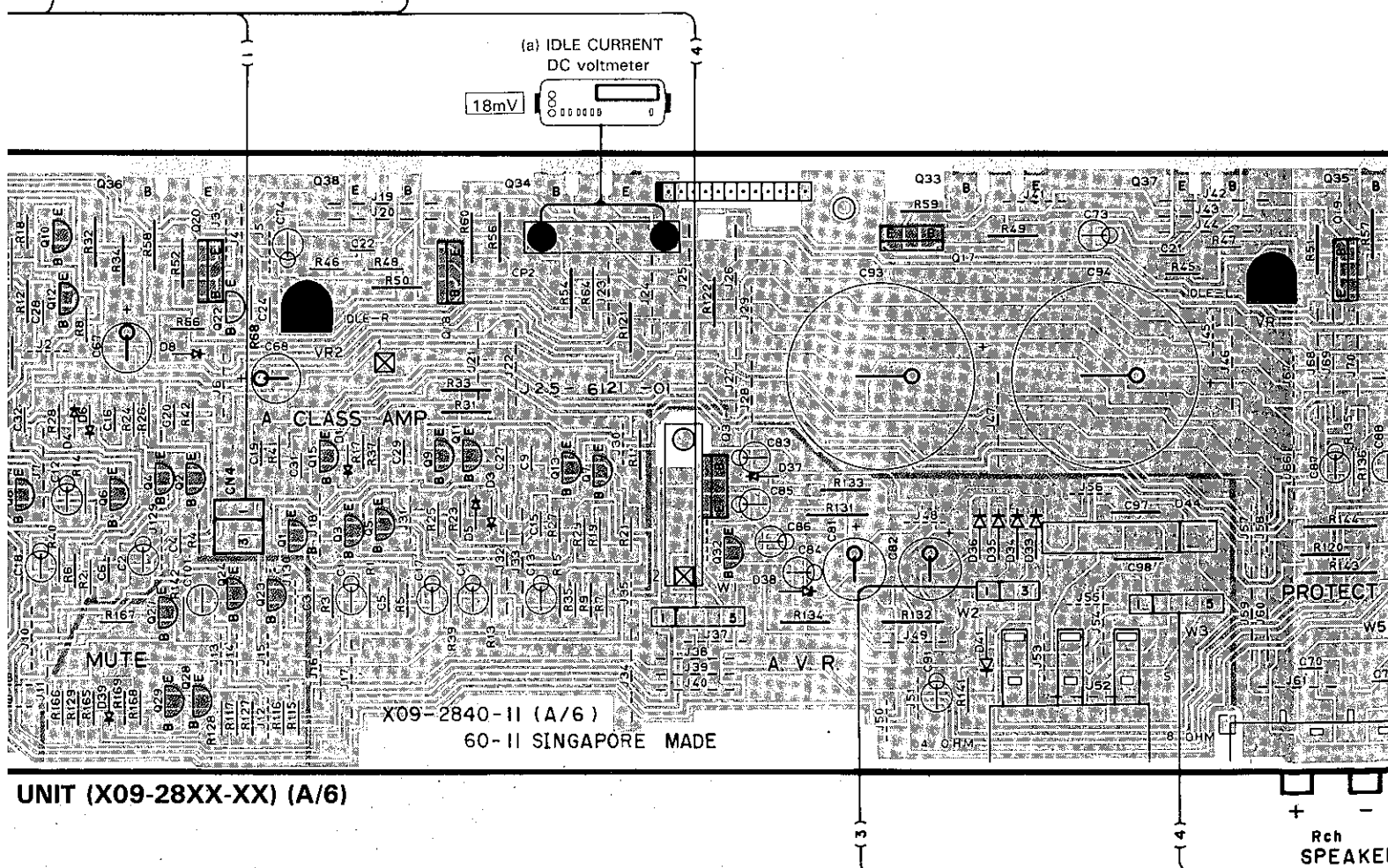
IC1

1	0V
4	-13V
7	0V
8	13V

E



TONE UNIT (X11-262X-XX) (B/3)



X09-2840-11 (A/6)
60-11 SINGAPORE MADE

UNIT (X09-28XX-XX) (A/6)

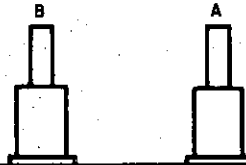
Rich
SPEAKER

BASS

SPEAKERS

PHONES

POWER



HEAD PHONE

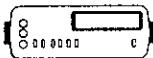
AUDIO UNIT (X09-28XX-XX) (C/6)

X09
F/6
W6

WHT

(a) IDLE CURRENT
DC voltmeter

18mV

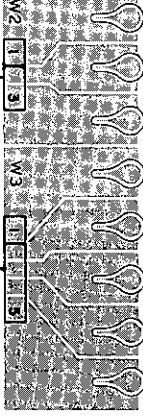


P.T.

BRN

RED

X09
D/6



BRN

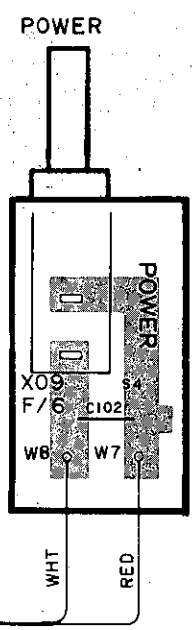
RED

WHT

RED

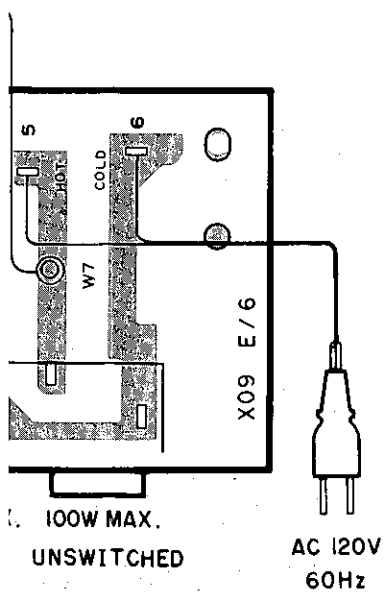
AUDIO UNIT (X09-28XX-XX) (E/6)

TOTAL 100W MAX. 100W MAX.
SWITCHED UNSWITCHED



AUDIO UNIT (X09-28XX-XX)

Ref. No.		Address
IC	Q	
	1	6F
	2	6F
	3	6F
	4	6F
	5	6G
	6	6F
	7	6G
	8	6E
	9	5G
	10	5E
	11	5G
	12	5E
	13	6G
	14	5E
	15	5F
	16	5E
	17	5H
	18	5G
	19	5J
	20	5F
	21	5K
	22	5F
	23	6F
	24	6F
	25	6C
	26	6C
	27	6F
	28	6F
	29	6F
	30	6D
	31	6H
	32	6H
	33	4I
	34	4G
	35	4J
	36	4F
	37	4I
	38	4F
	39	5D
1		5B
2		6D
3		6B
4		5J



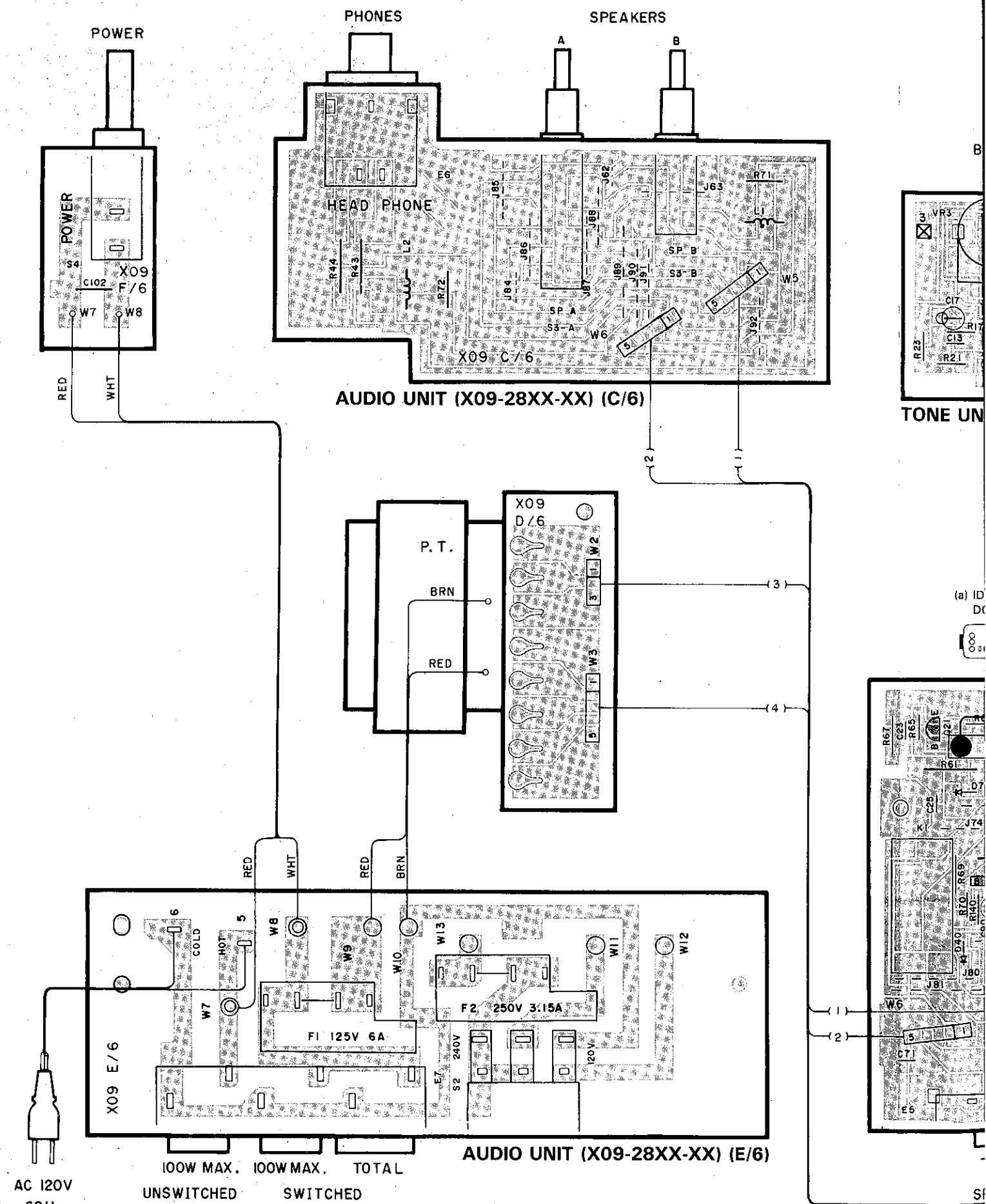
KA-58(K).

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

TONE UNIT (X11-262X-XX)

Ref. No.		Address
IC	Q	
1		3J

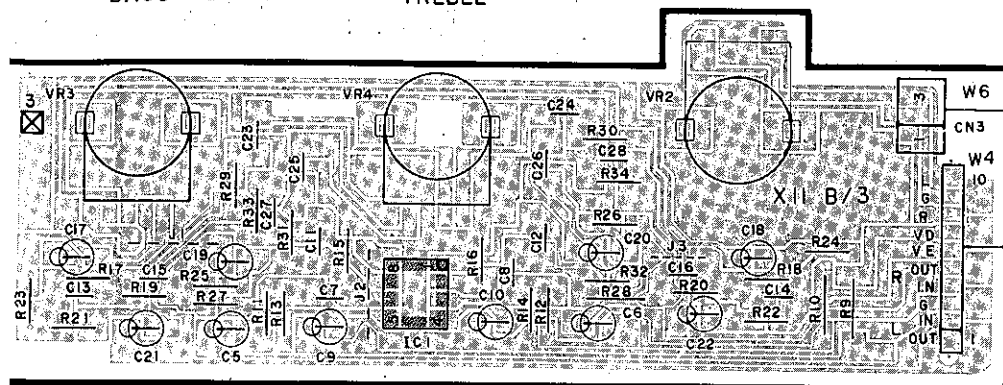
PC BOARD (Foil side view)



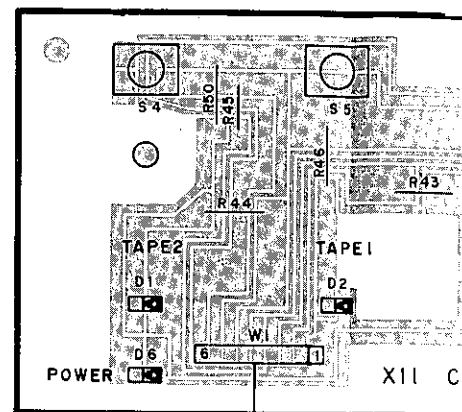
BASS

TREBLE

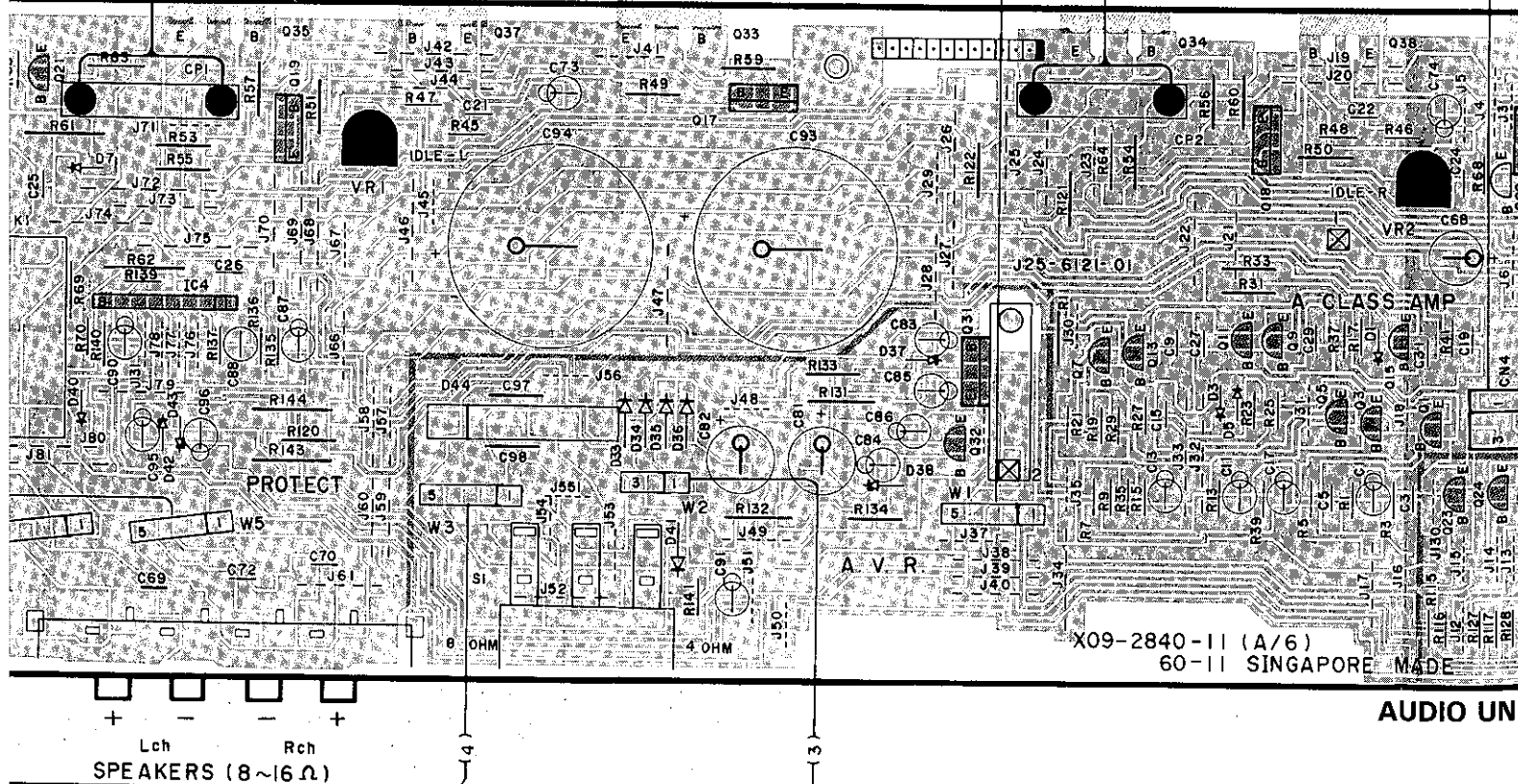
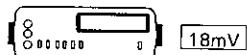
BALANCE



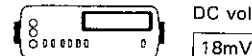
ONE UNIT (X11-262X-XX) (B/3)



(a) IDLE CURRENT
DC voltmeter



(a) IDLE CURRENT
DC voltmeter

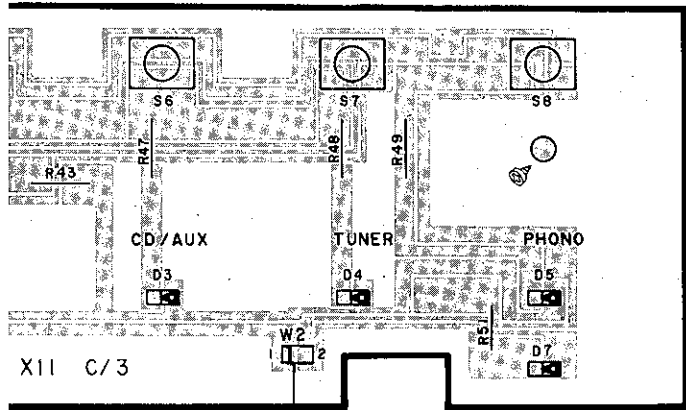


X09-2840-11 (A/6)
60-11 SINGAPORE MADE

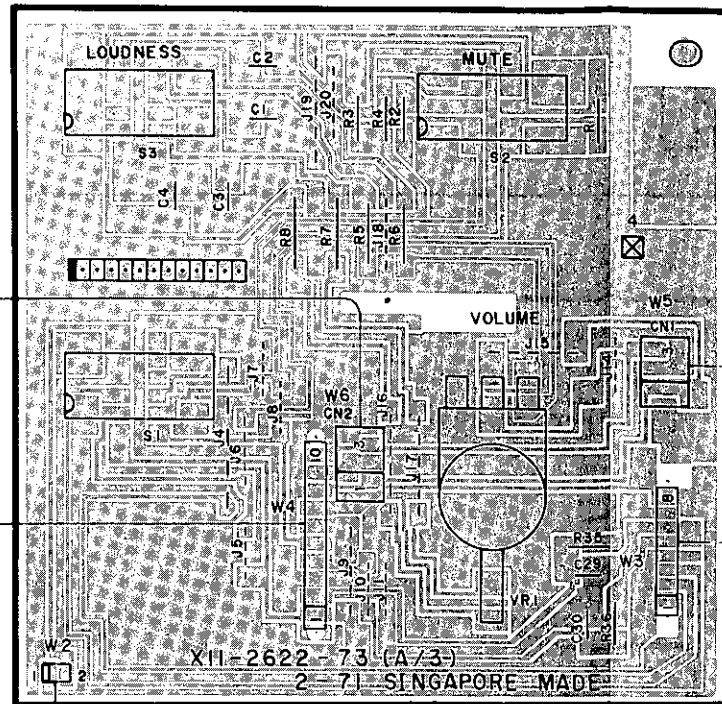
AUDIO UNI

Lch Rch
SPEAKERS (8~16Ω)

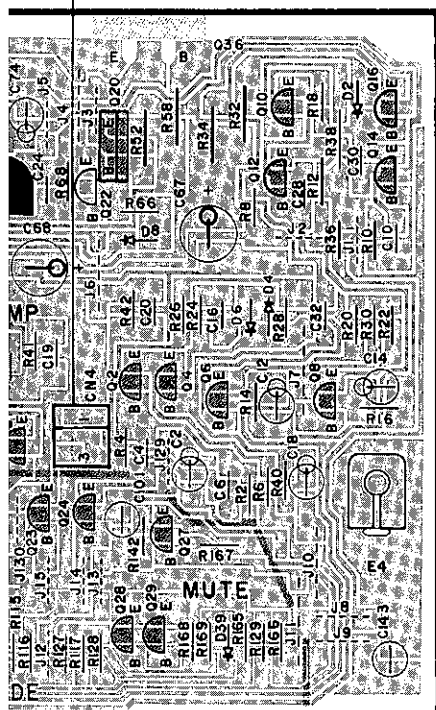
FRONT
↑



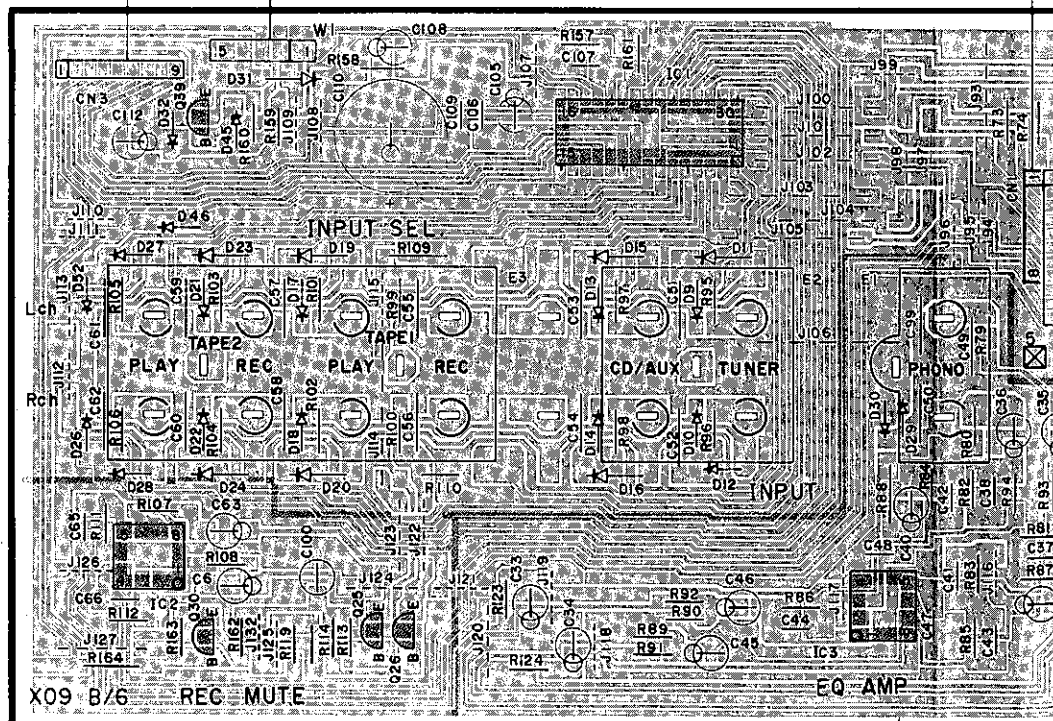
TONE UNIT (X11-262X-XX) (C/3)



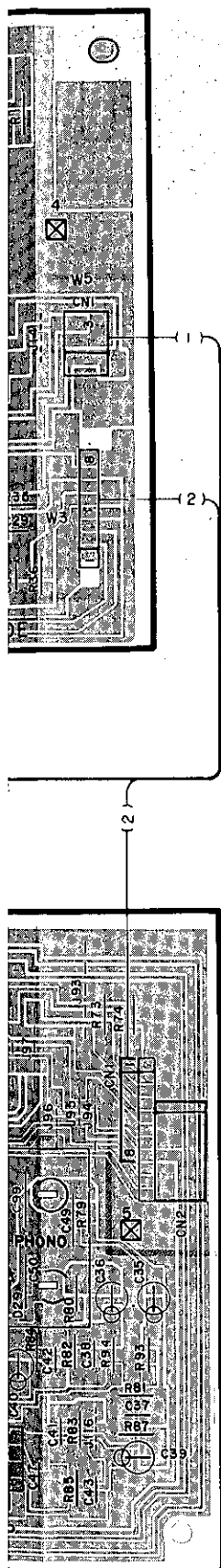
TONE UNIT (X11-262X-XX) (A/3)



DIO UNIT (X09-28XX-XX) (A/6)



AUDIO UNIT (X09-28XX-XX) (B/6)



KA-58(K)

AUDIO UNIT (X09-28XX-XX)

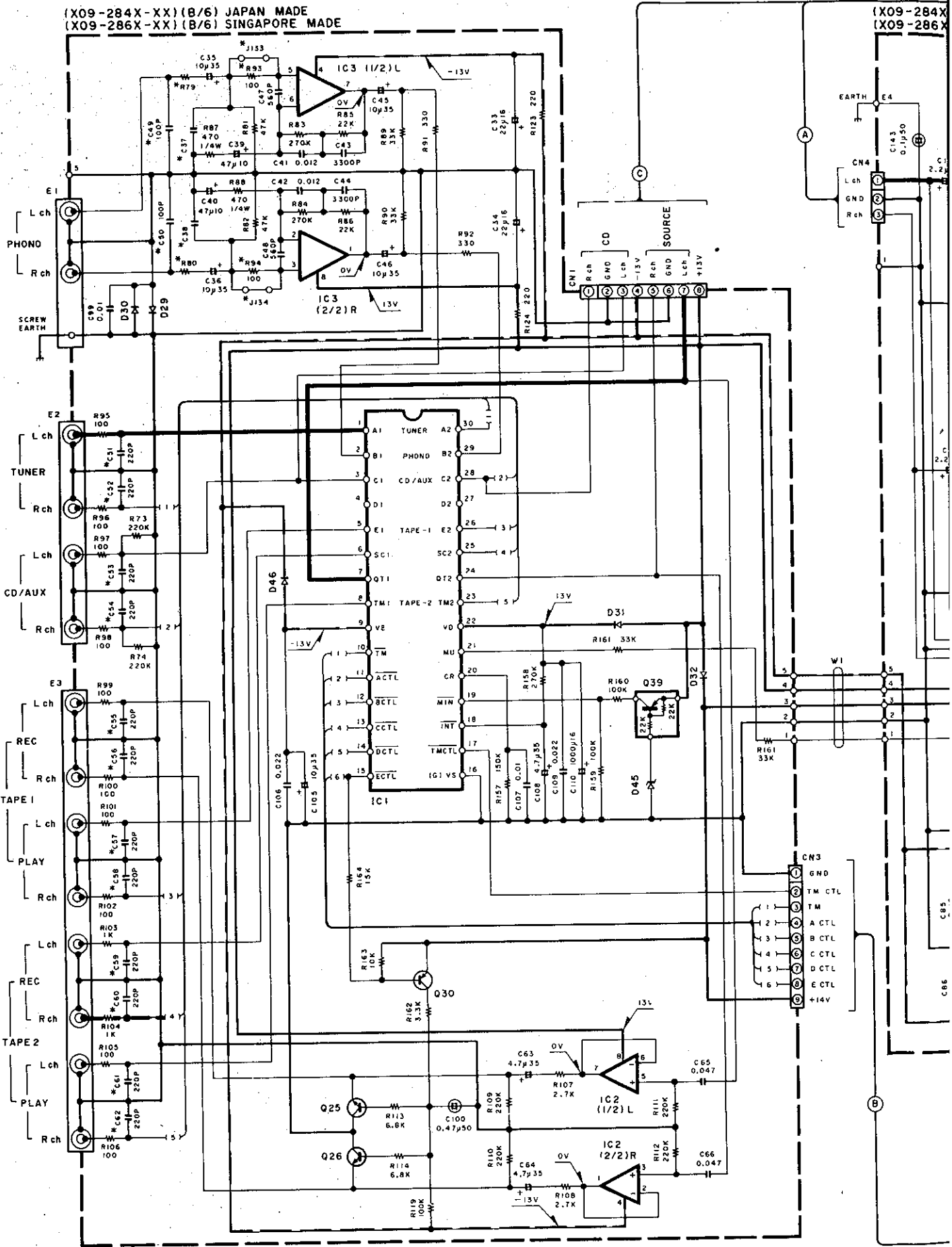
Ref. No.		Address
IC	Q	
	1	6AC
	2	6AC
	3	6AC
	4	6AD
	5	6AC
	6	6AD
	7	6AB
	8	6AD
	9	5AB
	10	5AD
	11	5AB
	12	5AD
	13	6AB
	14	5AD
	15	5AC
	16	5AB
	17	5AA
	18	5AB
	19	5Y
	20	5AC
	21	5X
	22	5AC
	23	6AC
	24	6AC
	25	6AF
	26	6AF
	27	6AC
	28	6AC
	29	6AC
	30	6AE
	31	6AA
	32	6AA
	33	4Z
	34	4AB
	35	4Y
	36	4AD
	37	4Z
	38	4AC
	39	5AC
1		5AG
2		6AE
3		6AG
4		5Y

TONE UNIT (X11-262X-XX)

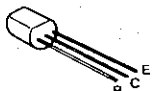
Ref. No.		Address
IC	Q	
1		3Z

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

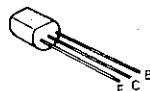
(X09-284X-XX) (B/6) JAPAN MADE
(X09-286X-XX) (B/6) SINGAPORE MADE



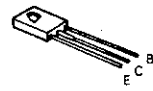
DTA124EN



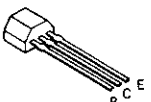
2SA1124 2SC2632
2SA1284 2SC2878
2SA733(A) 2SC3244
2SA954 2SC945(A)
2SC1845



2SD882

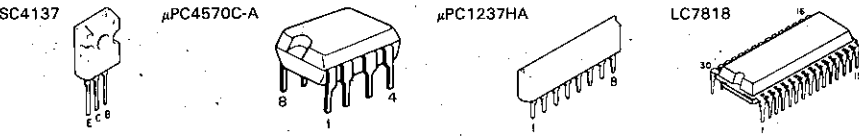
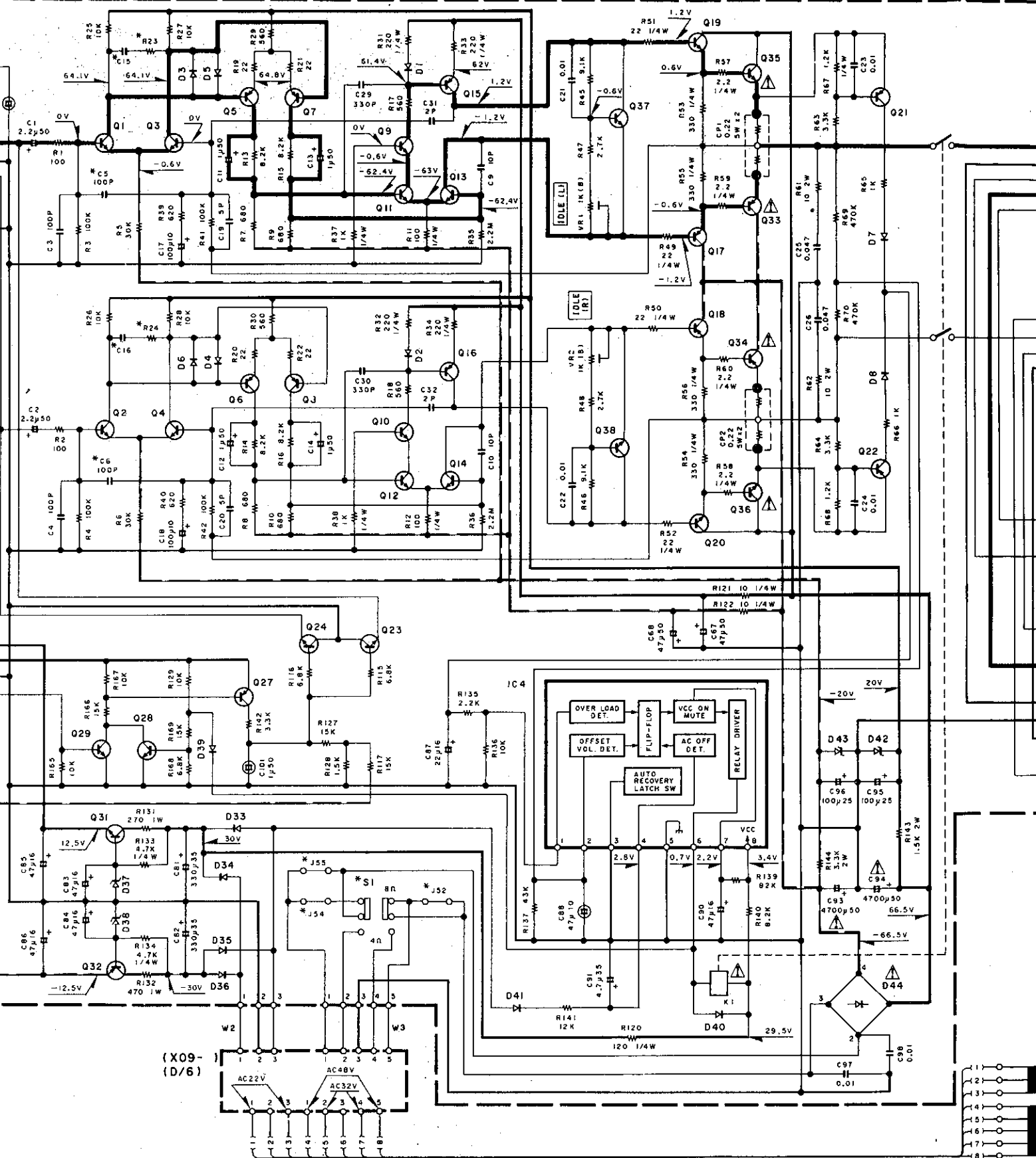


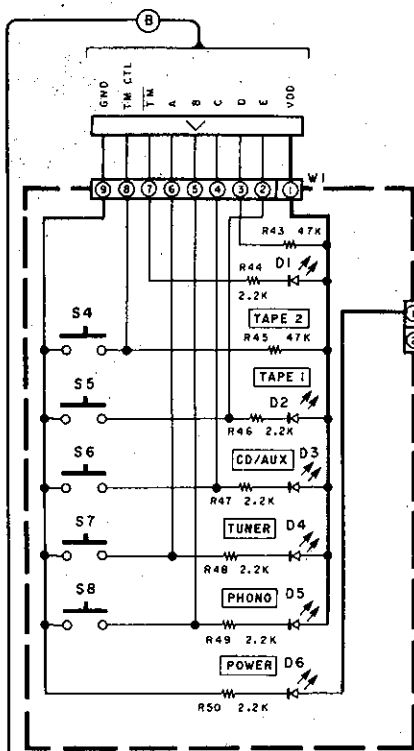
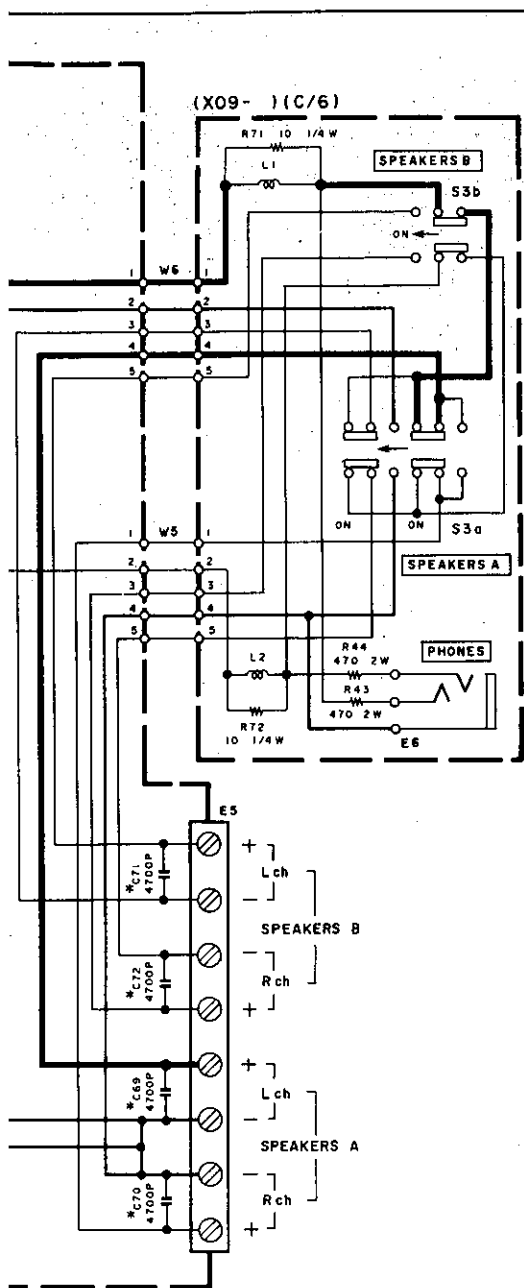
2SA933S
2SC1740S



2SC41

-284X-XX (A/6) JAPAN MADE
-286X-XX (A/6) SINGAPORE MADE

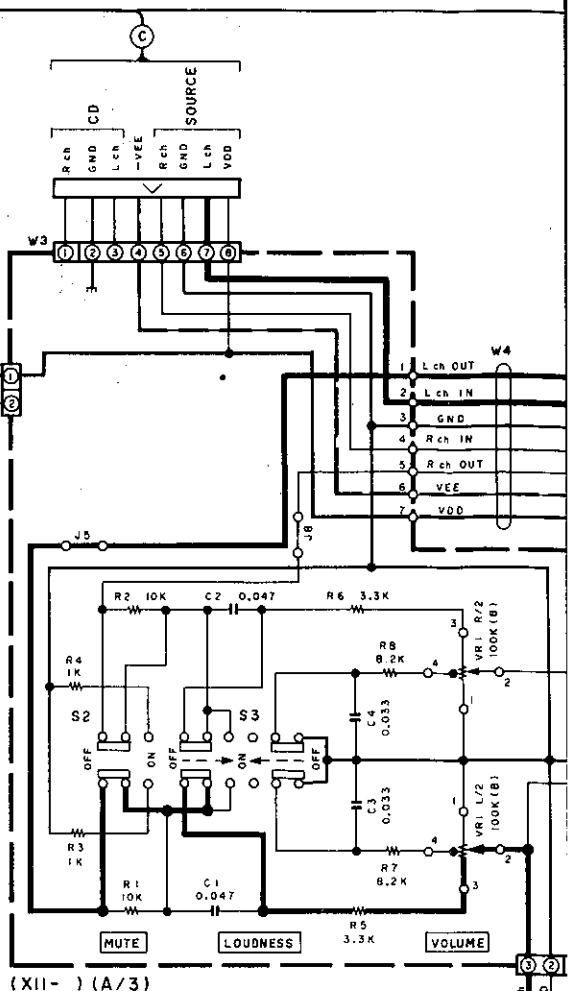




(X11-)(C/3) D1~6: B30-1223-05

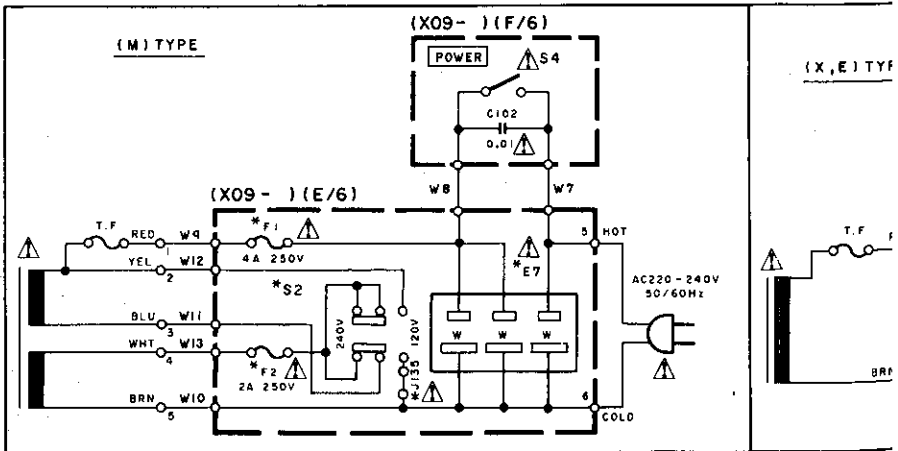
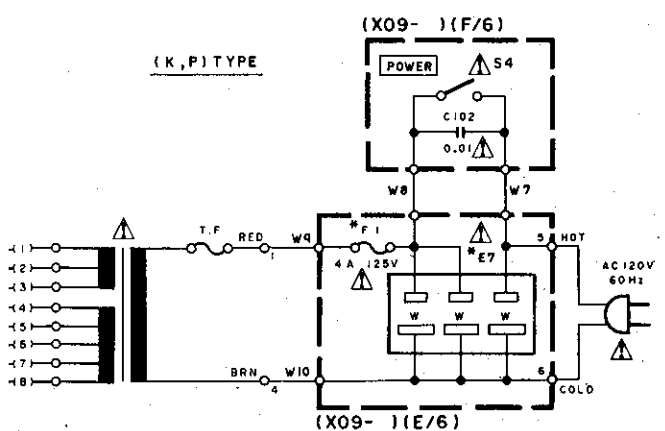
(X09-284X-XX)
(X09-286X-XX)

- IC1 : LC7818
IC2,3 : μ PC4570C-A
IC4 : μ PC1237HA
- Q1~4 : 2SC1845(F,E)
Q5~8,21,22,27,30 : 2SA733(A)(Q,P)
or 2SA933(Q,R)
2SC2632(Q,R,S)
Q9~14 : 2SA1124(Q,R,S)
Q17,18 : 2SA1284(D,E)
Q19,20 : 2SC3244(D,E)
Q23~26 : 2SC2878(B)
Q28,29 : 2SC945(A)(Q,P)
or 2SC1740S(Q,R)
Q31 : 2SD882
Q32 : 2SA954(L,K)
Q33,34 : 2SA1491
Q35,36 : 2SC3855
Q37,38 : 2SC4137(V,W)
Q39 : DTA124EN



- D1~8,29~32,39,40,46 : ISS133 or ISS104
D33~36,41 : S5566B
D37,38 : RD13ES(B2) or HZS13N(B2)
D42,43 : RD20ES(B) or HZS20N(B)
D44 : RBV-402LFA
D45 : RD10ES(B) or HZS10N(B)

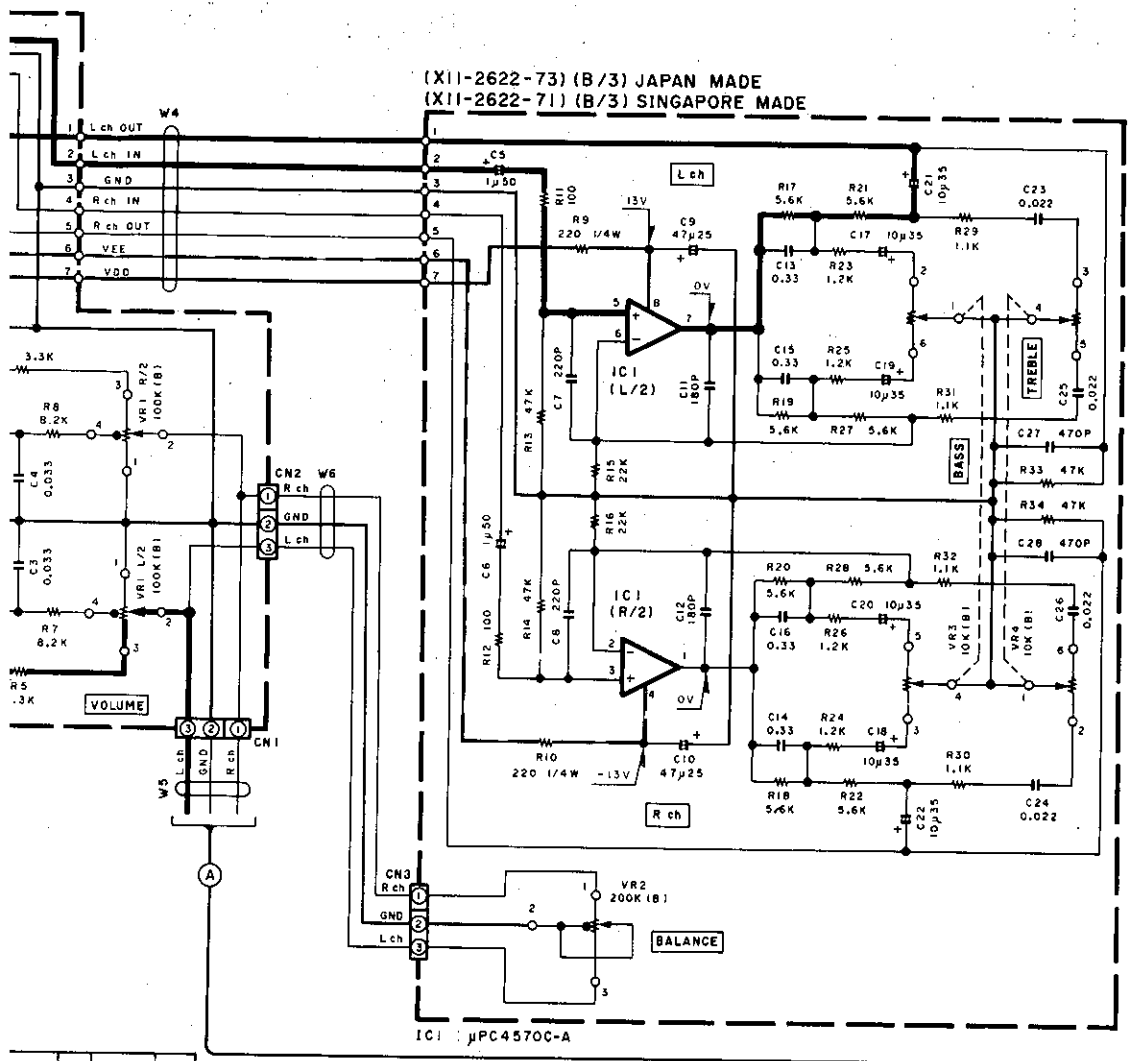
DESTINATION	Ref. No.	R23	R79	R93	C5,6	C10,16	C37,38	C49,50	C51~62	C69~72	S1	S2	E7	F1	F2	J52,55	J54	J133,134	J135
0-11 (K,P)	100	100	100	NO	NO	1500P	100P	NO	NO	NO	NO	NO	YES	125V 4A	NO	YES	NO	YES	NO
0-22 (M)	100	100	100	NO	NO	1500P	100P	NO	NO	NO	YES	YES	YES	250V 4A	YES	NO	YES	YES	YES
2-72 (X,E)	200	1K	YES	YES	YES	2700P	220P	YES	YES	YES	YES	NO	NO	250V T2A	NO	NO	YES	NO	NO



DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

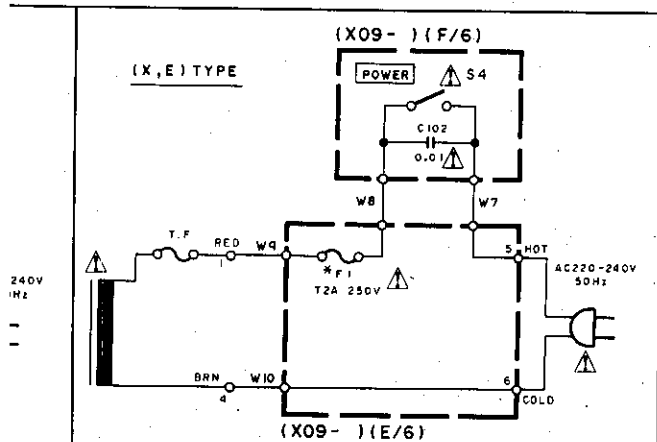
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance sans signal d'entrée. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angezeigten Werte sind ohne Signal gemessen. Die Werte können leicht von den individuellen Messungen abweichen.



J52,55	J54	J133,134	J135
YES	NO	YES	NO
NO	YES	YES	YES
NO	YES	NO	NO

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



KA-58(K)

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). 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.

Y08-3700-11

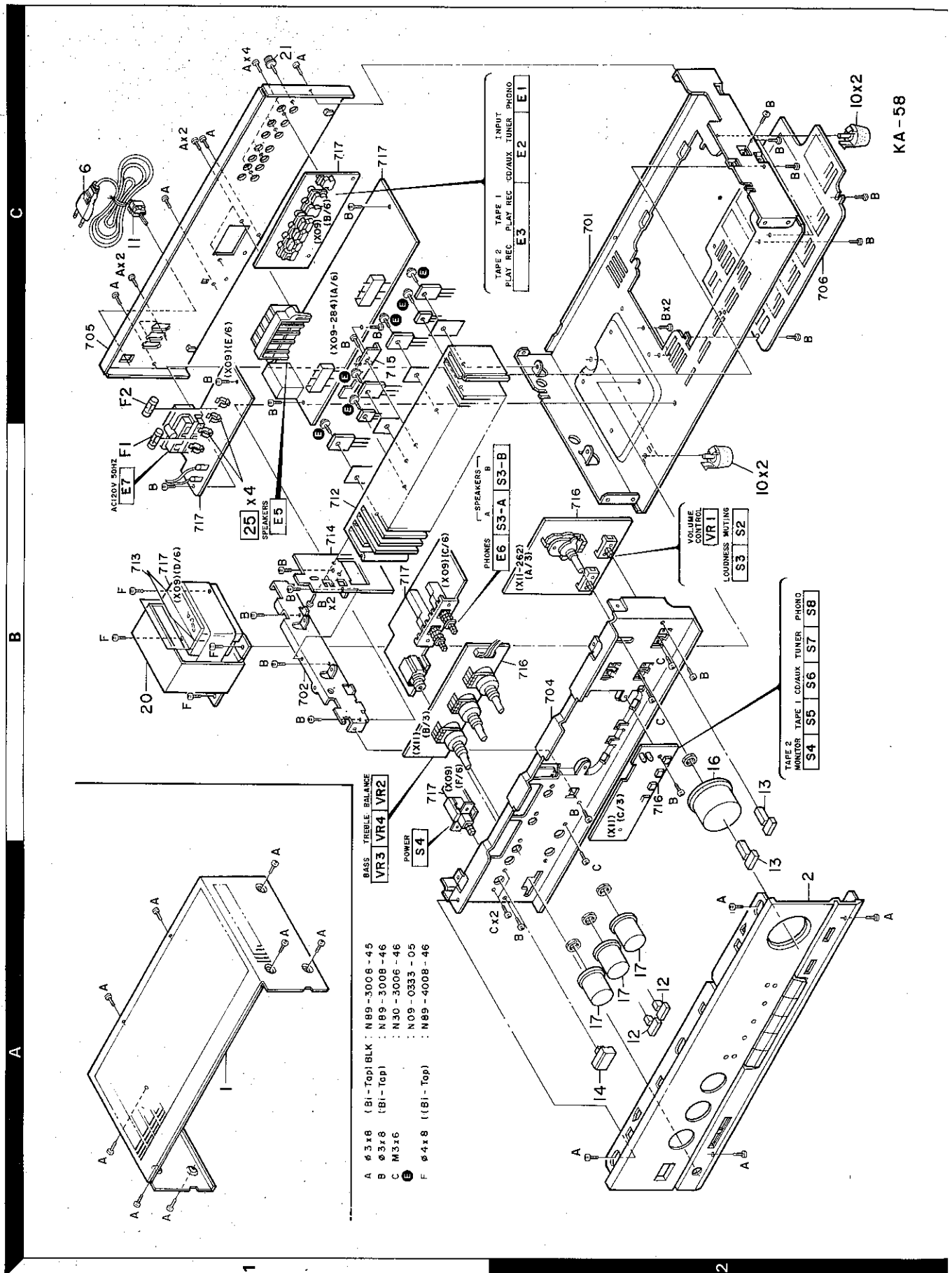
KA-58

KENWOOD

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nts de

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser ohne Eingangssignal gemessen. Dabei schwanden die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U. geringfügig.

EXPLODED VIEW



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	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕 向	Re- marks 備考
KA-58						
1	1A		A01-1738-01	METALLIC CABINET		
2	2A	*	A20-5766-02	PANEL ASSY		
-			B46-0092-03	WARRANTY CARD	K	J
-			B46-0096-13	WARRANTY CARD	X	
-			B46-0121-03	WARRANTY CARD	P	
-			B46-0122-13	WARRANTY CARD	E	
-		*	B50-9476-00	INSTRUCTION MANUAL (ENG)		J
-		*	B50-9477-00	INSTRUCTION MANUAL (FRE)	PMX	J
-		*	B50-9479-00	INSTRUCTION MANUAL (SP/AR/CH)	M	J
-		*	B50-9644-00	INSTRUCTION MANUAL (GER/IT)	E	J
-		*	B50-9653-00	INSTRUCTION MANUAL (ENG)		S
-		*	B50-9654-00	INSTRUCTION MANUAL (FRE)	PME	S
-		*	B50-9656-00	INSTRUCTION MANUAL (SP/AR/CH)	M	S
-		*	B50-9658-00	INSTRUCTION MANUAL (GER/IT)	E	S
-			B58-0803-13	CAUTION CARD	E	
△ 6	1C		E30-0459-05	AC POWER CORD	E	
△ 6	1C		E30-0812-05	AC POWER CORD	M	
△ 6	1C		E30-0974-05	AC POWER CORD	KP	J
△ 6	1C		E30-1341-05	AC POWER CORD	X	
△ 6	1C		E30-2209-05	AC POWER CORD	P	S
△ F1	1B		F05-1623-05	FUSE (SEMKO) (250V T1.6A)	XE	
F1	1B		F05-4028-05	FUSE (UL)	P	S
△ F1	1B		F05-4028-05	FUSE (UL)	KP	J
F1	1B	*	F05-4029-05	FUSE	M	
F2	1C		F04-2026-05	FUSE (250V 2A)	M	
-		*	H01-8443-04	ITEM CARTON CASE		J
-		*	H01-8516-04	ITEM CARTON CASE		S
-		*	H10-3845-02	POLYSTYRENE FOAMED FIXTURE		J
-		*	H10-3846-02	POLYSTYRENE FOAMED FIXTURE		J
-		*	H10-3847-02	POLYSTYRENE FOAMED FIXTURE		S
-			H10-3848-02	POLYSTYRENE FOAMED FIXTURE		S
-			H25-0223-04	PROTECTION BAG (750X350XD.03)		
-			H25-0232-04	PROTECTION BAG (235X350XD.03)		
△ 10	2B, 2C		J02-1013-05	FONT		
△ 11	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
12	2A		K27-0742-14	KNOB (BUTTON) SPEAKERS		
13	2A, 2B		K27-1725-04	KNOB (BUTTON) LOUDNESS, MUTING		
14	2A	*	K27-1965-04	KNOB (BUTTON) POWER		
16	2B		K29-3595-04	KNOB VOLUME CONTROL		
17	2A	*	K29-3596-04	KNOB BASS, TREBLE, BALANCE		
20	1B	*	L01-5971-05	POWER TRANSFORMER	P	S
△ 20	1B	*	L01-5971-05	POWER TRANSFORMER	KP	J
△ 20	1B	*	L01-5972-05	POWER TRANSFORMER	X	
△ 20	1B	*	L01-5975-05	POWER TRANSFORMER	M	
20	1B	*	L01-5977-05	POWER TRANSFORMER	E	
21	1C		N08-0128-35	BINDING POST		
A	1A, 1C		N89-3008-45	BINDING HEAD TAPTITE SCREW		
B	1A, 2C		N89-3008-46	BINDING HEAD TAPTITE SCREW		
C	2A, 2B		N30-3006-46	PAN HEAD MACHINE SCREW		
E	1C		N09-0333-05	TAPPING SCREW (3X12,+)		

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F	1B		N89-4008-46	BINDING HEAD TAPTITE SCREW		
Q33,34 Q35,36 Q37,38			2SA1694 2SC4467 2SC4137(V,W)	TRANSISTOR TRANSISTOR TRANSISTOR		
AUDIO UNIT (X09-28XX-XX) Japan made:40-11:K, P 40-22:M 42-72:X, E Singapore made:30-11:P, 30-22:M 32-72:X, E						
C1 ,2			CE04KW1H2R2M	ELECTR0 2.2UF 50WV		J
C1 ,2			CE04LW1H2R2M	ELECTR0 2.2UF 50WV		S
C3 -6			CC45FSL1H101J	CERAMIC 100PF J	XE	
C3 ,4			CC45FSL1H101J	CERAMIC 100PF J	PM	S
C3 ,4			CC45FSL1H101J	CERAMIC 100PF J	KPM	J
C9 ,10			CC45FSL1H100D	CERAMIC 10PF D		
C11 -14			CE04KW1H010M	ELECTR0 1.0UF 50WV		J
C11 -14			CE04LW1H010M	ELECTR0 1.0UF 50WV		S
C15 ,16			CF92FV1H152J	MF 1500PF J	PM	S
C15 ,16			CF92FV1H152J	MF 1500PF J	KPM	J
C15 ,16			CF92FV1H272J	MF 2700PF J	XE	
C17 ,18			CE04KW1A101M	ELECTR0 100UF 10WV		J
C17 ,18			CE04LW1A101M	ELECTR0 100UF 10WV		S
C19 ,20			CC45FSL1H050C	CERAMIC 5.0PF C		
C21 ,22			CK45FF1H103Z	CERAMIC 0.010UF Z		
C23 ,24			CF92FV1H103J	MF 0.010UF J		
C25 ,26			CF92FV1H473J	MF 0.047UF J		
C29 ,30			CC45FSL1H331J	CERAMIC 330PF J		
C31 ,32			CC45FSL1H020C	CERAMIC 2.0PF C		
C33 ,34			CE04KW1C220M	ELECTR0 22UF 16WV		J
C33 ,34			CE04LW1C220M	ELECTR0 22UF 16WV		S
C35 ,36			CE04KW1V100M	ELECTR0 10UF 35WV		J
C35 ,36			CE04LW1V100M	ELECTR0 10UF 35WV		S
C37 ,38			CC45FSL1H101J	CERAMIC 100PF J	PM	S
C37 ,38			CC45FSL1H101J	CERAMIC 100PF J	KPM	J
C37 ,38			CC45FSL1H221J	CERAMIC 220PF J	XE	
C39 ,40			CE04KW1A470M	ELECTR0 47UF 10WV		J
C39 ,40			CE04LW1A470M	ELECTR0 47UF 10WV		S
C41 ,42			CF92FV1H123J	MF 0.012UF J		
C43 ,44			CF92FV1H332J	MF 3300PF J		
C45 ,46			CE04KW1V100M	ELECTR0 10UF 35WV		J
C45 ,46			CE04LW1V100M	ELECTR0 10UF 35WV		S
C47 ,48			CK45FB1H561K	CERAMIC 560PF K		
C49 ,50			C91-0745-05	CERAMIC 100PF K	XE	
C51 -62			C91-0749-05	CERAMIC 220PF K	XE	
C63 ,64			CE04KW1V4R7M	ELECTR0 4.7UF 35WV		J
C63 ,64			CE04LW1V4R7M	ELECTR0 4.7UF 35WV		S
C65 ,66			CF92FV1H473J	MF 0.047UF J		
C67 ,68			CE04KW1H470M	ELECTR0 47UF 50WV		J
C67 ,68			CE04LW1H470M	ELECTR0 47UF 50WV		S
C69 -72			CF92FV1H472J	MF 4700PF J	XE	
C81 ,82			CE04KW1V331M	ELECTR0 330UF 35WV		J
C81 ,82			CE04LW1V331M	ELECTR0 330UF 35WV		S
C83 -86			CE04KW1C470M	ELECTR0 47UF 16WV		J
C83 -86			CE04LW1C470M	ELECTR0 47UF 16WV		S
C87			CE04KW1C220M	ELECTR0 22UF 16WV		J
C87			CE04LW1C220M	ELECTR0 22UF 16WV		S
C88			C90-1334-05	NP-ELEC 47UF 10WV		
C90			CE04KW1C470M	ELECTR0 47UF 16WV		J

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C90			CE04LW1C470M	ELECTRO 47UF 16WV		S
C91			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		J
C91			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		S
C93 ,94		*	C90-1762-05	ELECTRO 4700UF 50WV		
C95 ,96			CE04KW1E101M	ELECTRO 100UF 25WV		J
C95 ,96			CE04LW1E101M	ELECTRO 100UF 25WV		S
C97 ,98			CK45FE2H103P	CERAMIC 0.010UF P		
C99			C91-0769-05	CERAMIC 0.01UF M		
C100			C90-1331-05	NP-ELEC 0.47UF 50WV		
C101			C90-1349-05	NP-ELEC 1UF 50WV		
△ C102			C91-0023-05	CERAMIC 0.01UF AC250V	M	
△ C102			C91-0647-05	CERAMIC 0.01UF P	XE	
C102			C91-0971-05	FILM 0.01UF 250WV	P	S
C102			C91-0971-05	FILM 0.01UF 250WV	KP	J
C105			CE04KW1V100M	ELECTRO 10UF 35WV		J
C105			CE04LW1V100M	ELECTRO 10UF 35WV		S
C106			CK45FF1H223Z	CERAMIC 0.022UF Z		
C107			CF92FV1H103J	MF 0.010UF J		
C108			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		J
C108			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		S
C109			CK45FF1H223Z	CERAMIC 0.022UF Z		
C110			C90-1256-05	ELECTRO 1000UF 16WV		
C143			C90-1455-05	NP-ELEC 0.1UF 50WV		
E1		*	E13-0250-05	PHONE JACK		
E2			E13-0486-05	PHONE JACK		
E3		*	E13-0826-05	PHONE JACK		
E5			E20-0823-05	LOCK TERMINAL BOARD(8P)		
E6			E11-0162-05	PHONE JACK (3P)		
E7			E03-0093-05	AC OUTLET	PM	S
E7			E03-0093-05	AC OUTLET	KPM	J
25	1B		J13-0054-05	FUSE CLIP		
L1 ,2			L39-0085-05	PHASE-COMPENSATION COIL		
CP1 ,2			R90-0187-05	MULTI-COMP 0.22X2 K 5W		
R11 ,12			RD14GB2E101J	FL-PROOF RD 100 J 1/4W		
R31			RD14GB2E221J	FL-PROOF RD 220 J 1/4W		J
R31 ,34			RD14GB2E221J	FL-PROOF RD 220 J 1/4W		S
R32			RD14AB2E221J	FL-PROOF RD 220 J 1/4W		J
R33			RD14GB2E221J	FL-PROOF RD 220 J 1/4W		J
R34			RD14AB2E221J	FL-PROOF RD 220 J 1/4W		J
R43 ,44			RS14DB3D471J	FL-PROOF RS 470 J 2W		J
R43 ,44			RS14KB3D471J	FL-PROOF RS 470 J 2W		S
R49 -52			RD14AB2E220J	FL-PROOF RD 22 J 1/4W		J
R49 -52			RD14GB2E220J	FL-PROOF RD 22 J 1/4W		S
R53 -56			RD14AB2E331J	FL-PROOF RD 330 J 1/4W		J
R53 -56			RD14GB2E331J	FL-PROOF RD 330 J 1/4W		S
R57 -60			RD14AB2E2R2J	FL-PROOF RD 2.2 J 1/4W		J
R57 -60			RD14GB2E2R2J	FL-PROOF RD 2.2 J 1/4W		S
R61			RS14DB3D100J	FL-PROOF RS 10 J 2W		J
R61 ,62			RS14KB3D100J	FL-PROOF RS 10 J 2W		S
R62			RS14KB3D100J	FL-PROOF RS 10 J 2W		J
R71 ,72			RD14AB2E100J	FL-PROOF RD 10 J 1/4W		J
R71 ,72			RD14GB2E100J	FL-PROOF RD 10 J 1/4W		S

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R120			RD14AB2E121J	FL-PROOF RD 120 J 1/4W		J
R120			RD14GB2E121J	FL-PROOF RD 120 J 1/4W		S
R121,122			RD14AB2E100J	FL-PROOF RD 10 J 1/4W		J
R121,122			RD14GB2E100J	FL-PROOF RD 10 J 1/4W		S
R131			RS14DB3A271J	FL-PROOF RS 270 J 1W		J
R131			RS14KB3A271J	FL-PROOF RS 270 J 1W		S
R132			RS14DB3A471J	FL-PROOF RS 470 J 1W		J
R132			RS14KB3A471J	FL-PROOF RS 470 J 1W		S
R133,134		*	RD14AB2E472J	FL-PROOF RD 4.7K J 1/4W		J
R133,134			RD14GB2E472J	FL-PROOF RD 4.7K J 1/4W		S
R143			RS14KB3D152J	FL-PROOF RS 1.5K J 2W		
R144			RS14DB3D332J	FL-PROOF RS 3.3K J 2W		J
R144			RS14KB3D332J	FL-PROOF RS 3.3K J 2W		S
VR1 ,2			R12-10B3-05	TRIMMING PNT. (1K)		
△ K1			S51-2078-05	MAGNETIC RELAY		
△ S1			S31-2136-05	SLIDE SWITCH (IMPEDANCE)	MXE	
△ S2			S31-2131-05	SLIDE SWITCH (POWER VOLTAGE)	M	
S3			S42-2153-05	MULTIPLE PUSH SWITCH (SPEAKERS)		
△ S4			S40-1073-05	PUSH SWITCH (POWER)		
D1 -8			1SS133	DIODE		
D29 -32			1SS133	DIODE		
D33 -36			S5566B	DIODE		
D37 ,38			HZS13N(B2)	ZENER DIODE		
D37 ,38			RD13ES(B2)	ZENER DIODE		
D39 ,40			1SS133	DIODE		
D41			S5566B	DIODE		
D42 ,43			HZS20N(B)	ZENER DIODE		
D42 ,43			RD20ES(B)	ZENER DIODE		
△ D44			RBV-402LFA	DIODE		
D45			HZS10N(B)	ZENER DIODE		
D45			RD10ES(B)	ZENER DIODE		
D46			1SS133	DIODE		
IC1			LC7818	IC(ELECTRON CONTROL SWITCH (2H)		
IC2 ,3			UPC4570C-A	IC(OP AMP X2)		
IC4			UPC1237HA	IC(POWER AMP)		
Q1 -4			2SC1845(F,E)	TRANSISTOR		
Q5 -8			2SA733(A)(Q,P)	TRANSISTOR		
Q5 -8			2SA933S(Q,R)	TRANSISTOR		
Q9 -14			2SC2632(Q,R,S)	TRANSISTOR		
Q15 ,16			2SA1124(Q,R,S)	TRANSISTOR		
Q17 ,18			2SA1284(D,E)	TRANSISTOR		
Q19 ,20			2SC3244(D,E)	TRANSISTOR		
Q21 ,22			2SA733(A)(Q,P)	TRANSISTOR		
Q21 ,22			2SA933S(Q,R)	TRANSISTOR		
Q23 -26			2SC2878(B)	TRANSISTOR		
Q27			2SA733(A)(Q,P)	TRANSISTOR		
Q27			2SA933S(Q,R)	TRANSISTOR		
Q28 ,29			2SC1740S(Q,R)	TRANSISTOR		
Q28 ,29			2SC945(A)(Q,P)	TRANSISTOR		
Q30			2SA733(A)(Q,P)	TRANSISTOR		
Q30			2SA933S(Q,R)	TRANSISTOR		
Q31			2SD882	TRANSISTOR		
Q32			2SA954(L,K)	TRANSISTOR		

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Q39			DTA124EN	DIGITAL TRANSISTOR		
TONE UNIT (X11-262X-XX) Japan made:2-73 Singapore made:2-71						
D1 -6			B30-1223-05	LED(LN21CPH(V)-C)		
C1 ,2			CF92FV1H473J	MF 0.047UF J		
C3 ,4			CF92FV1H333J	MF 0.033UF J		
C5 ,6			CE04KW1H010M	ELECTR0 1.0UF 50WV		J
C5 ,6			CE04LW1H010M	ELECTR0 1.0UF 50WV		S
C7 ,8			CC45FSL1H221J	CERAMIC 220PF J		
C9 ,10			CE04KW1E470M	ELECTR0 47UF 25WV		J
C9 ,10			CE04LW1E470M	ELECTR0 47UF 25WV		S
C11 ,12			CC45FSL1H181J	CERAMIC 180PF J		
C13 -16			CF92FV1H334J	MF 0.33UF J		
C17 -22			CE04KW1V100M	ELECTR0 10UF 35WV		J
C17 -22			CE04LW1V100M	ELECTR0 10UF 35WV		S
C23 -26			CF92FV1H223J	MF 0.022UF J		
C27 ,28			CK45FB1H471K	CERAMIC 470PF K		
VR1		*	R06-5176-05	POTENTIOMETER (VOLUME)		
VR2			R01-5056-05	POTENTIOMETER (BALANCE)		
VR3 ,4		*	R06-3061-05	POTENTIOMETER (TONE)		
S2			S40-2351-05	PUSH SWITCH (MUTE)		
S3			S40-4074-05	PUSH SWITCH (LOUDNESS)		
S4 -8			S40-1064-05	PUSH SWITCH (SELECTOR)		
IC1			UPC4570C-A	IC(NP AMP X2)		

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SPECIFICATIONS

Rated Power Output

55 watts per channel minimum RMS, both channels driven, at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.05% total harmonic distortion. (FTC)

Maximum continuous output power

(IEC) from 63 Hz to 12,500 Hz 0.7% T.H.D.

at 8 ohms.....65 W + 65 W

(DIN) 1,000 Hz at 8 ohms.....65 W + 65 W

Total Harmonic Distortion0.004% at 1/2 rated power into 8 ohms at 1 kHz

Intermodulation Distortion0.03% at rated power (60 Hz : 7 kHz = 4 : 1) into 8 ohms

Damping Factor30 (50 Hz at 8 ohms)

Power Bandwidth10 Hz to 100 kHz at 0.2% T.H.D. 8 ohms

Frequency Response10 Hz to 60 kHz, +0 dB, -3 dB

Signal-to-Noise Ratio (IHF-A)

Phono75 dB for 2.5 mV input

Tuner, Tape, CD/AUX100 dB

Input Sensitivity/Impedance

Phono2.5 mV/47 k ohms

Tuner, Tape play, CD/AUX150 mV/33 k ohms

Phono Maximum Input Level....100 mV, T.H.D. 0.05% at 1 kHz

Output Level/Impedance

Tape REC (Pin).....150 mV/330 ohms

Phono Frequency ResponseRIAA standard curve ± 0.5 dB

(20 Hz to 20,000 Hz)

Tone controls

Bass ± 10 dB at 100 Hz

Treble ± 10 dB at 10 kHz

Loudness Control+8 dB at 100 Hz (at -30 dB VOLUME Level)

General

Power Consumption1.8 A (U.S.A. & Canada models)

150 W (Other countries)

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

H: 130 mm (5-1/8")

D: 275 mm (10-13/16")

Weight (Net)6.4 kg (14.1 lb)

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

Kenwood poursuit une politique de progrès constants en ce qui concerne le développement. Pour cette raison, les spécifications sont sujettes à modifications sans préavis.

Kenwood strebt ständige Verbesserungen in der Entwicklung an. Daher bleiben Änderungen der technischen Daten jederzeit vorbehalten.

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, USA (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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TRIO-KENWOOD U.K. LTD.

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