STEREO INTEGRATED AMPLIFIER

KA-550D

SERVICE MANUAL

KENWOOD

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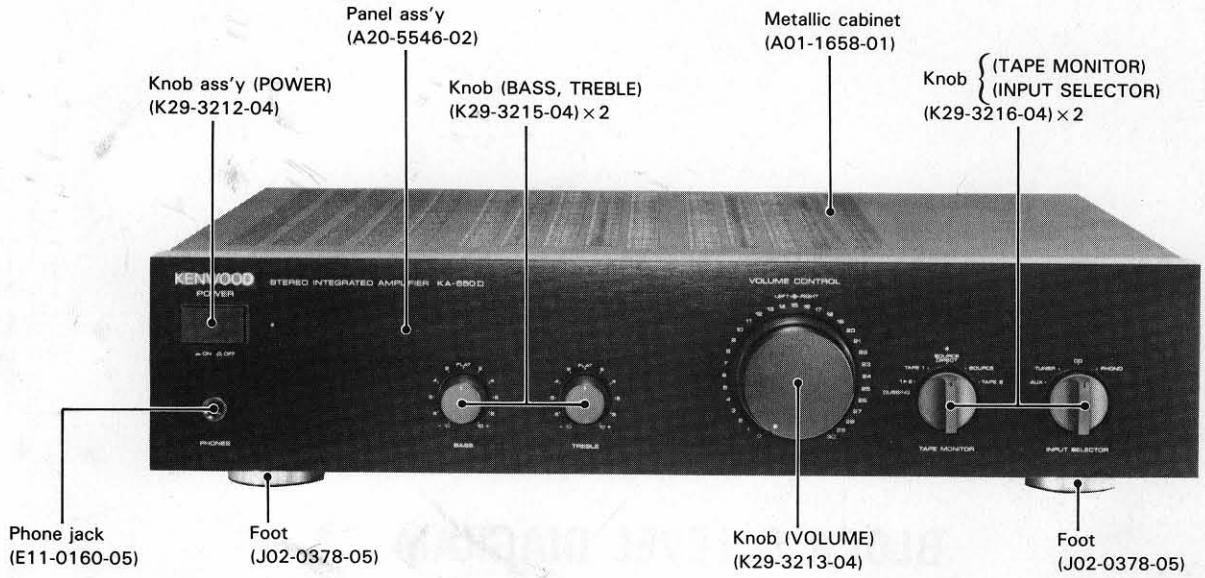
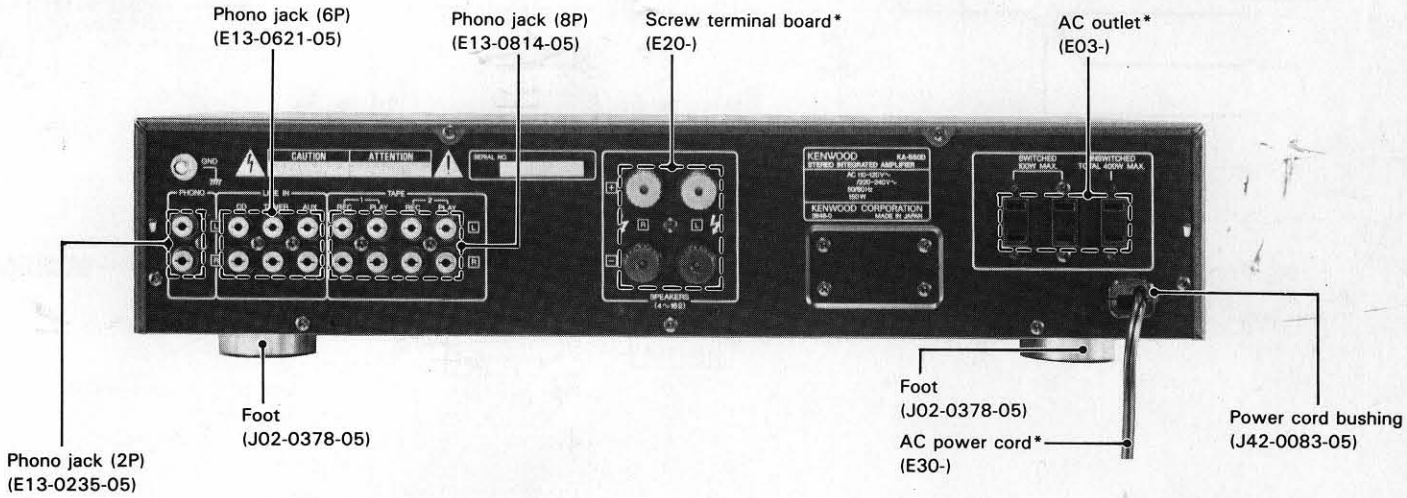
B51-3595-00(T)1512



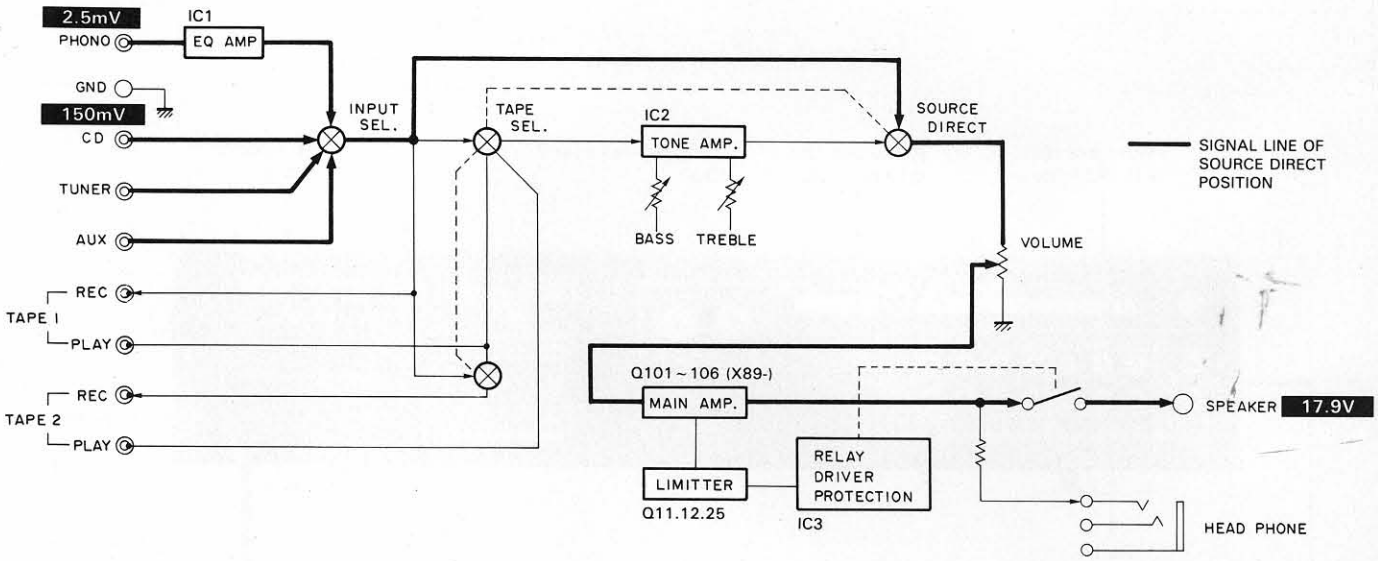


* Refer to parts list on page 18.

CONTENTS

BLOCK & LEVEL DIAGRAM 2
CIRCUIT DESCRIPTION 3
ADJUSTMENT/REGLAGES/ABGLEICH 4
PC BOARD (Components side view) 5
PC BOARD (Foil side view) 9
CIRCUIT DIAGRAM 13
EXPLODED VIEW 17
PARTS LIST 18
SPECIFICATIONS ..... Back cover

BLOCK & LEVEL DIAGRAM



CIRCUIT DESCRIPTION

DESCRIPTION OF COMPONENTS

Audio unit (X09-3642-71)

Component	Use/Function	Operation/Condition/Compatibility
Q11, 12	Protection	Current limiter Tr. Used to limit the current flowing to the final Tr in case of an overload drive.
Q21, 22	AVR for EQ power supply	
Q23, 24	PHONO shock noise prevention	
Q25	Protection	Transmits the operation signals of current limiter Q11 and Q12 to the protection IC (IC3).
IC1 (M5218P-A)	EQ circuit operation amp	
IC2 (M5218P-A)	Tone circuit operation amp	
IC3 (μPC1237HA)	Protection IC	
D1, 2	Current limiter	1SS131 or 1SS178
D11, 12	Static electricity protection	1SS133 or 1SS176
D13, 14	Constant current for the EQ power supply	E-452
D15, 16	Constant voltage for the EQ power supply	RD16ES (B2) or HZS16N (B2)
D17	Constant voltage for the Class A power supply	RD15JS (B) or HZS15S (B)
D18	Protection	1SS131 or 1SS178
D19	LED power supply	DSM1A1 or S5566B
D20	Power rectifier diode	RBV-602LFA or D5SBA20F03
D21	Headphone shock noise prevention	DSM1A1 or S5566B
D22, 23	Constant-voltage tone circuit power supply	RD16ES (B2) or HZS16N (B2)
D24	Relay	1SS131 or 1SS178
D26, 27	Indicator LEDs	D26: For SOURCE DIRECT D27: For POWER

ADJUSTMENT/REGLAGES/ABGLEICH

ADJUSTMENT

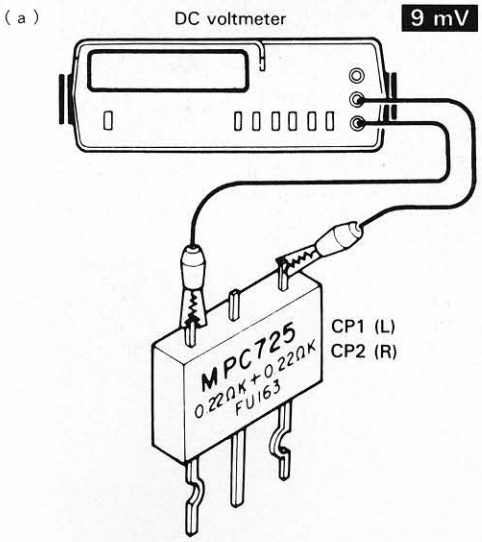
No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, the individual switches shoud be set as follows. POWER: ON SPEAKER: B REC OUT: OFF SELECTOR: PHONO							
1	IDLE CURRENT	–	Connect a DC voltmeter across CP1 (L) CP2 (R) (X09-)	VOLUME: 0	VR1 (L) VR2 (R) (X89-) (X07-)	9mV	(a)

REGLAGE

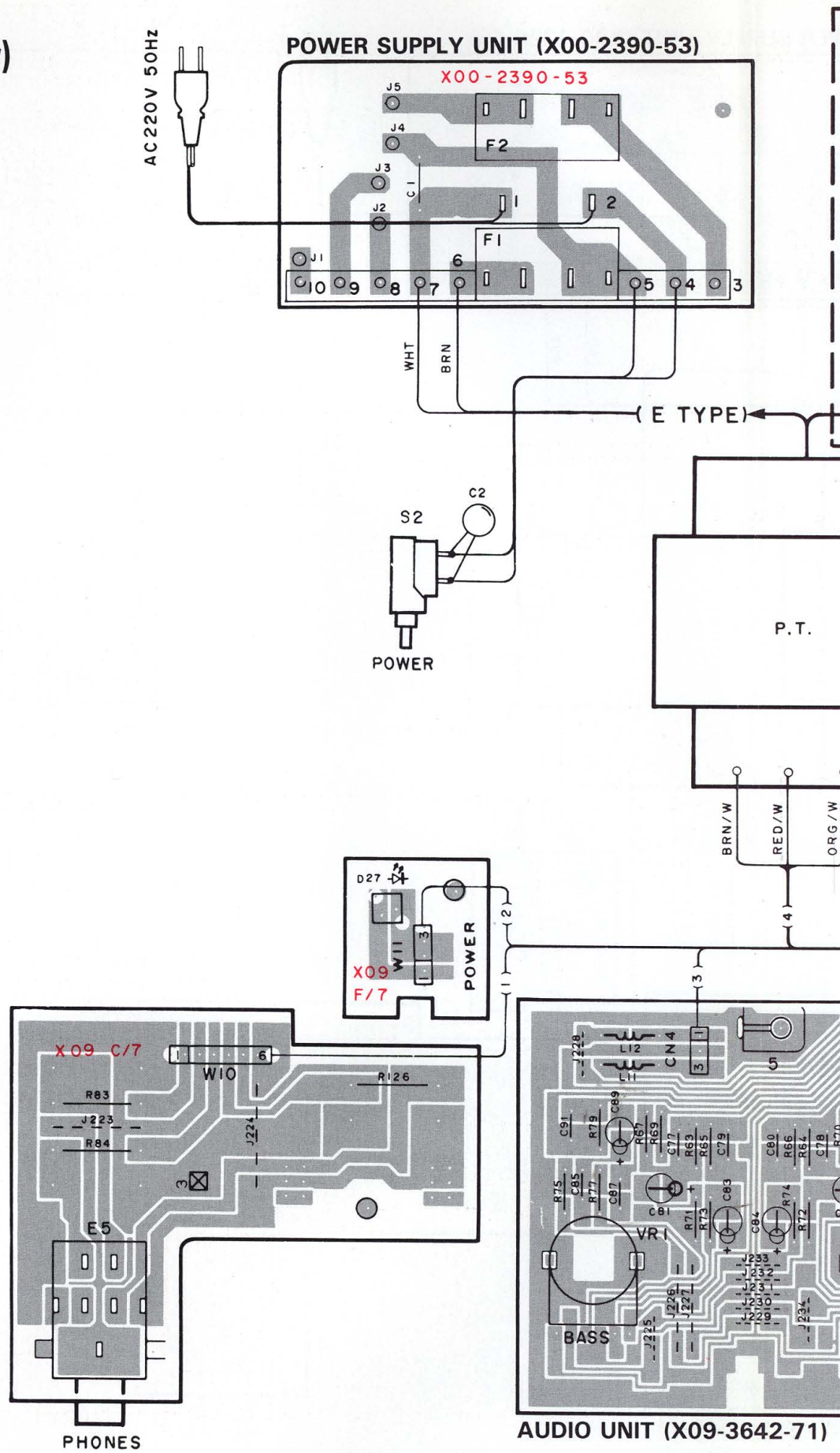
N°	ITEM	REGLAGE DE L'ENTREE	REGLAGE DE LA SORTIE	REGLAGE DE L'AMPLIFICATEUR	POINTS DE L'ALIGNMENT	ALIGNER POUR	FIG.
Sauf en cas d'indications spéciales, régler chaque commutaeur comme suit. POWER:ON SPEAKER: B REC OUT: OFF SELECTOR:PHONO							
1	COURANT DE POLARISATION	–	Connecter un voltmêtre de CC SUR CP1 (G) CP2 (D) (X09-)	VOLUME: 0	VR1 (G) VR2 (D) (X89-) (X07-)	9mV	(a)

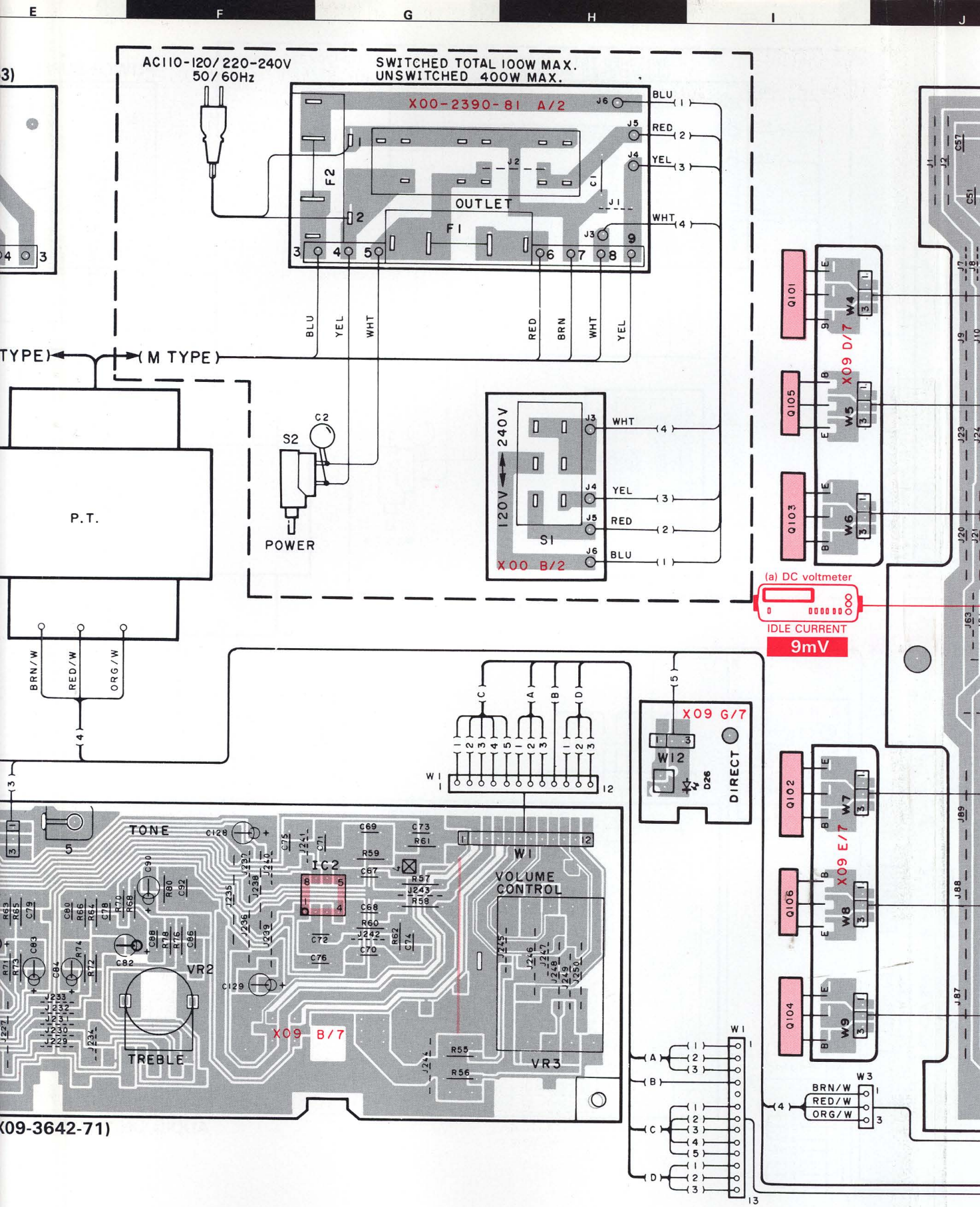
ABGLEICH

NR.	GENGENSTAND	EINGANGS-EINSTELLUNG	AUSANG-EINSTELLUNG	VORSTÄRKER-EINSTELLUNG	ABGLEICHE-PUNKTE	ABGLEICHEN FÜR	ABB.
Außer wenn anders angegeben, die verschiedenen Schalter wie folgt einstellen. POWER: ON SPEAKER: B REC OUT: OFF SELECTER: PHONO							
1	LEERLAUFSTROM	–	Einen Gleichspannungs-messer über CP1 (L) CP2 (R) anschließen. (X09-)	VOLUME: 0	VR1 (L) VR2 (R) (X89-) (X07-)	9mV	(a)

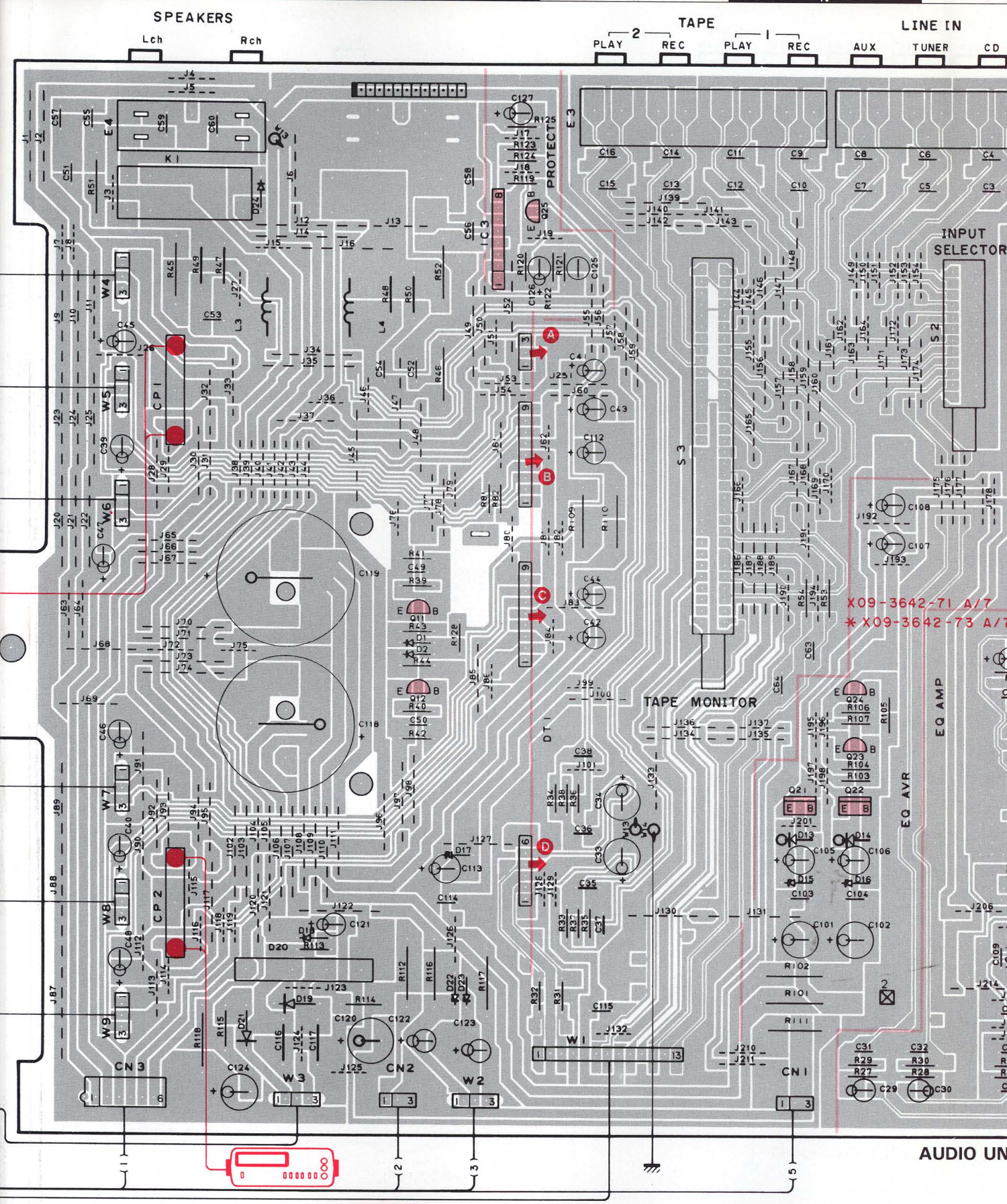


PC BOARD
(Component side view)



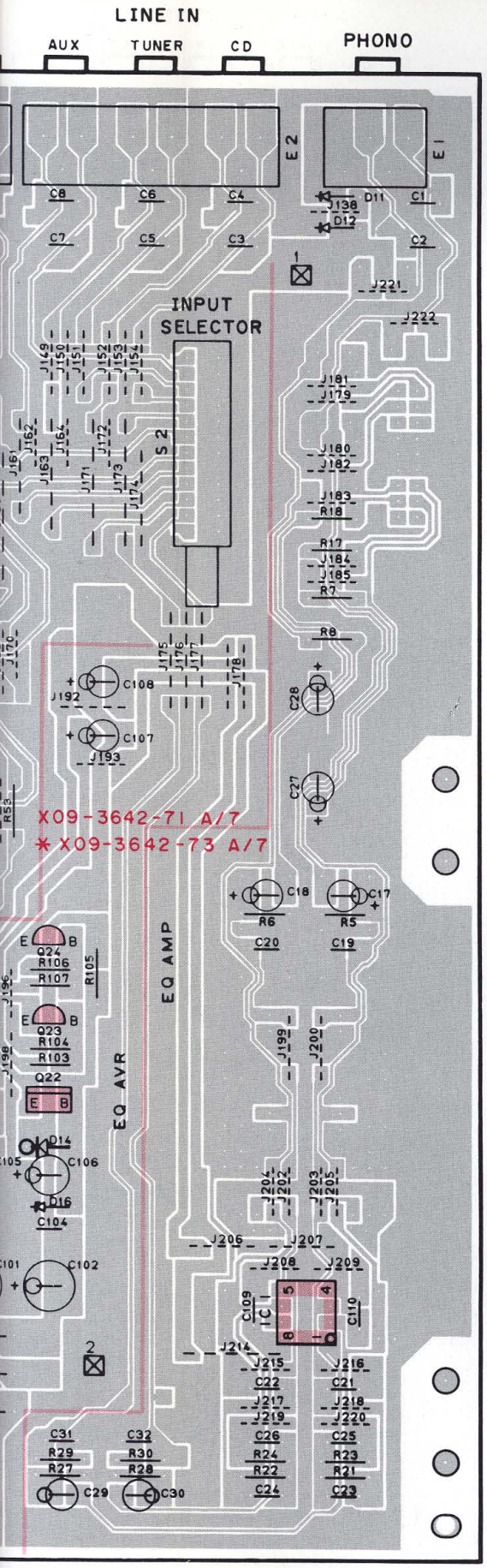

AC110-120/220-240V
50/60Hz
SWITCHED TOTAL 100W MAX.
UNSWITCHED 400W MAX.
X00-2390-81 A/2
OUTLET
F1
F2
BLU
RED
YEL
WHT
BRN
(M TYPE)
P.T.
S2
C2
POWER
240V
120V
S1
X00 B/2
BRN/W
RED/W
ORG/W
(a) DC voltmeter
IDLE CURRENT
9mV
X09 D/7
X09 E/7
X09 G/7
W12
D26
DIRECT
TONE
IC2
W1
VOLUME
CONTROL
VR2
VR3
TREBLE
X09 B/7
Q101
Q105
Q103
Q102
Q106
Q104
W4
W5
W6
W7
W8
W9
W3

(09-3642-71)



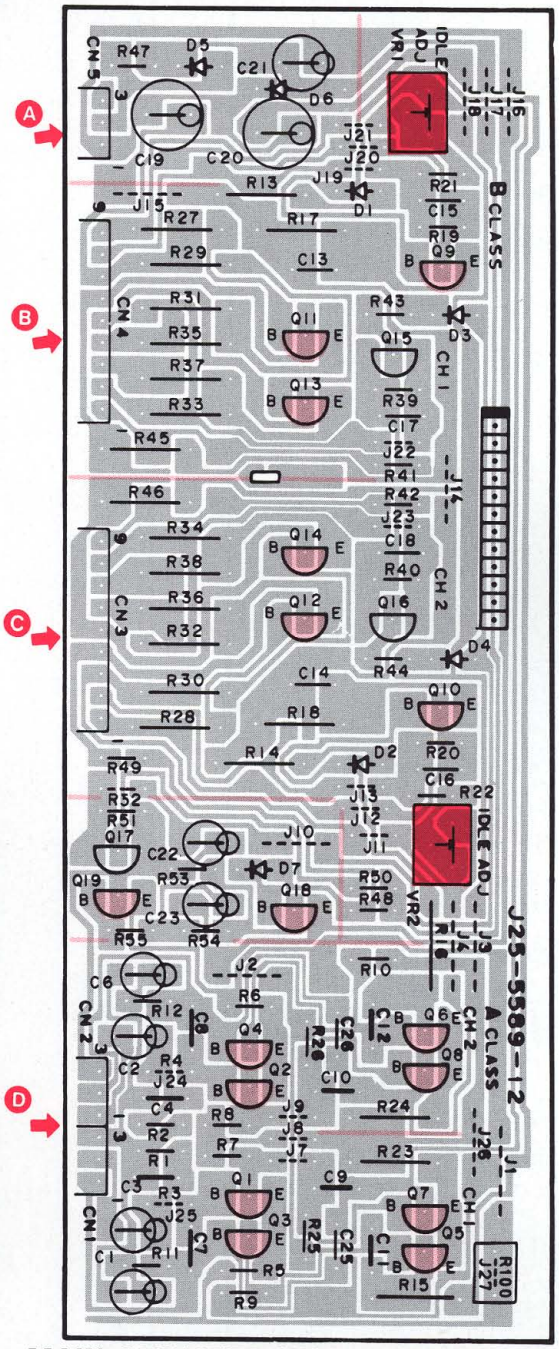
(a) DC voltmeter
IDLE CURRENT

9mV



AUDIO UNIT (X09-3642-71)

X89-1010-06
* X07-2362-74



MAIN AMPLIFIER UNIT (X89-1010-06)

FRONT

* SINGAPORE MADE

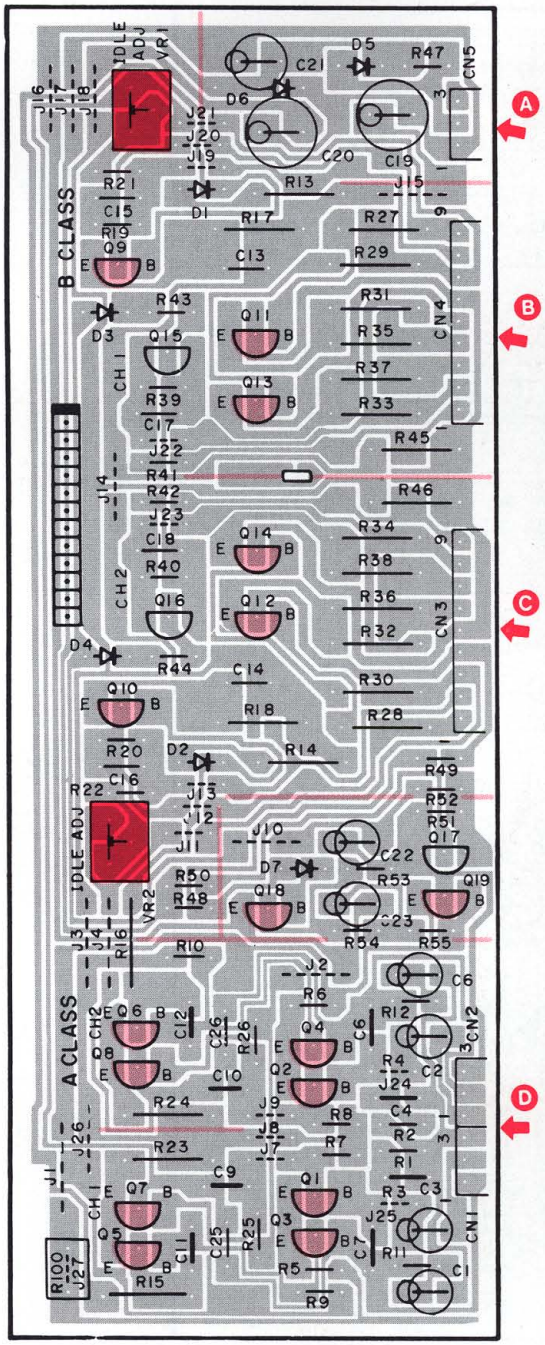
KA-550D (E)

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

PC BOARD (Foil side view)

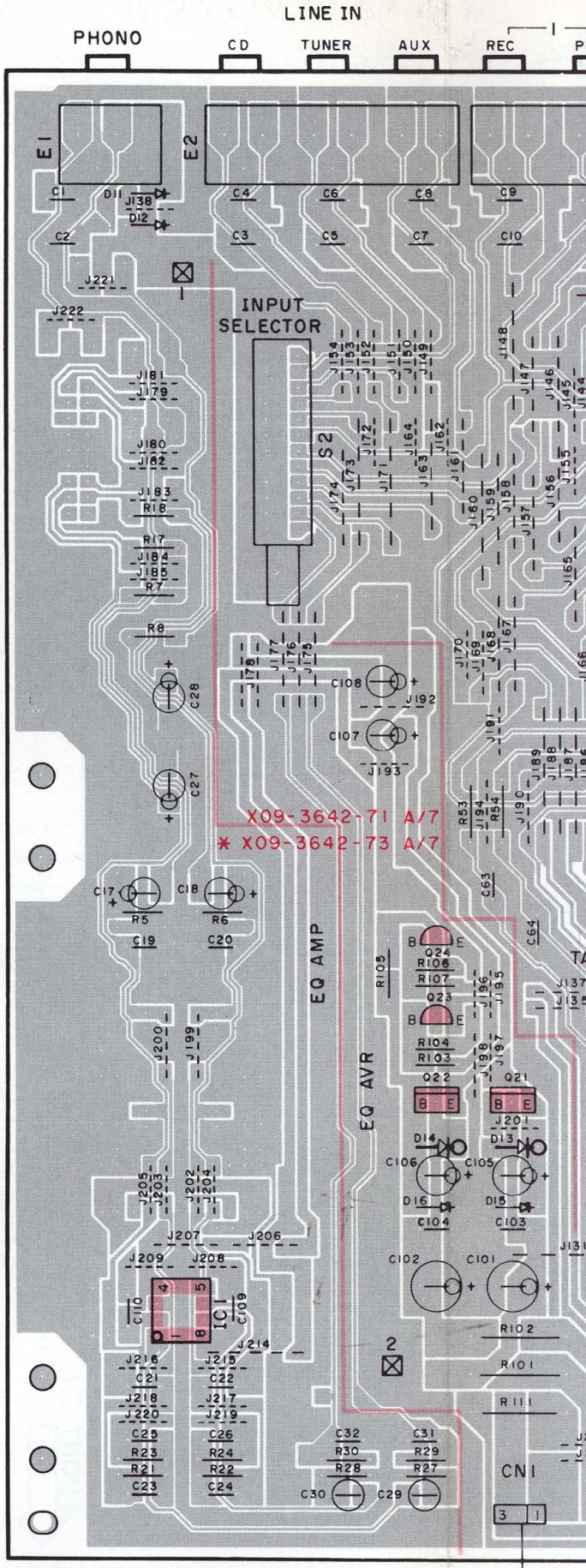
MAIN AMPLIFIER UNIT (X89-1010-06)

X89-1010-06
* X07-2362-74

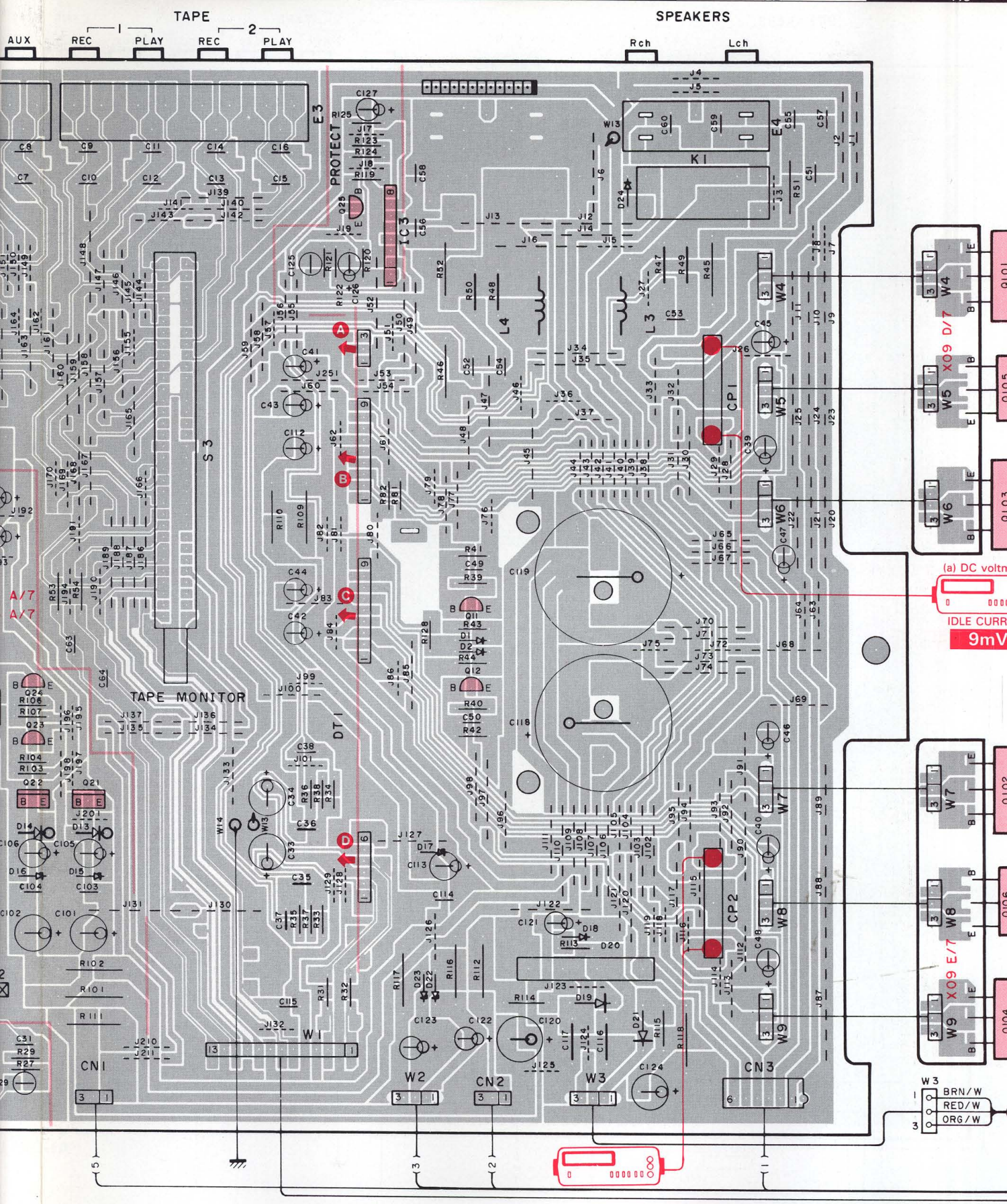


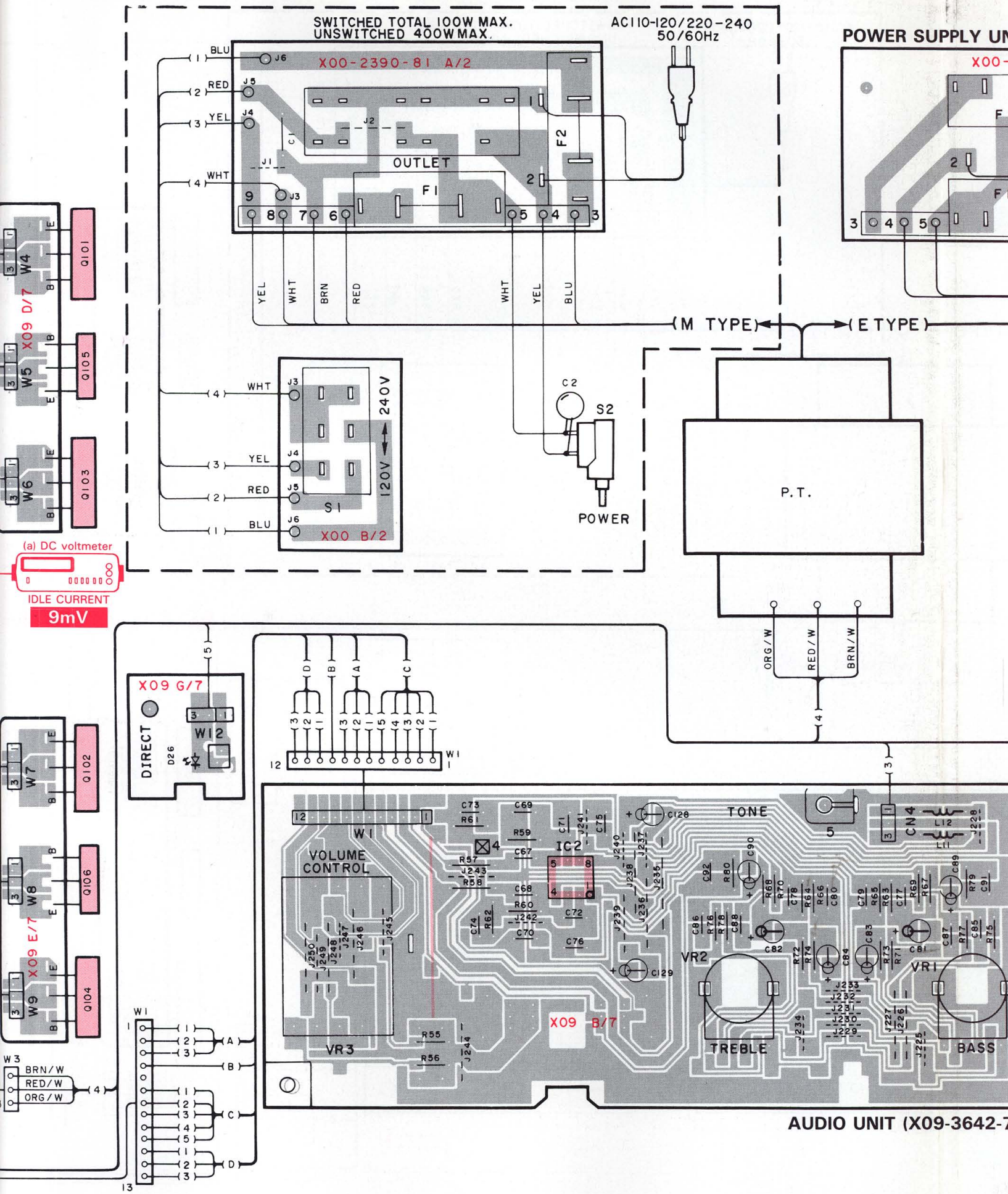
*SINGAPORE MADE

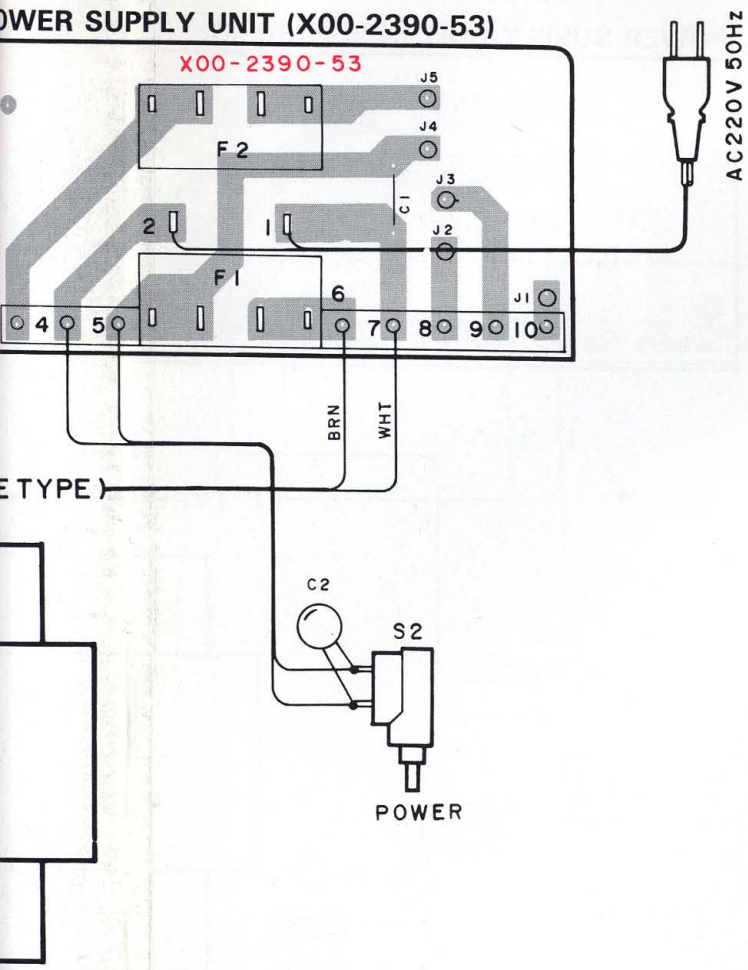
FRONT

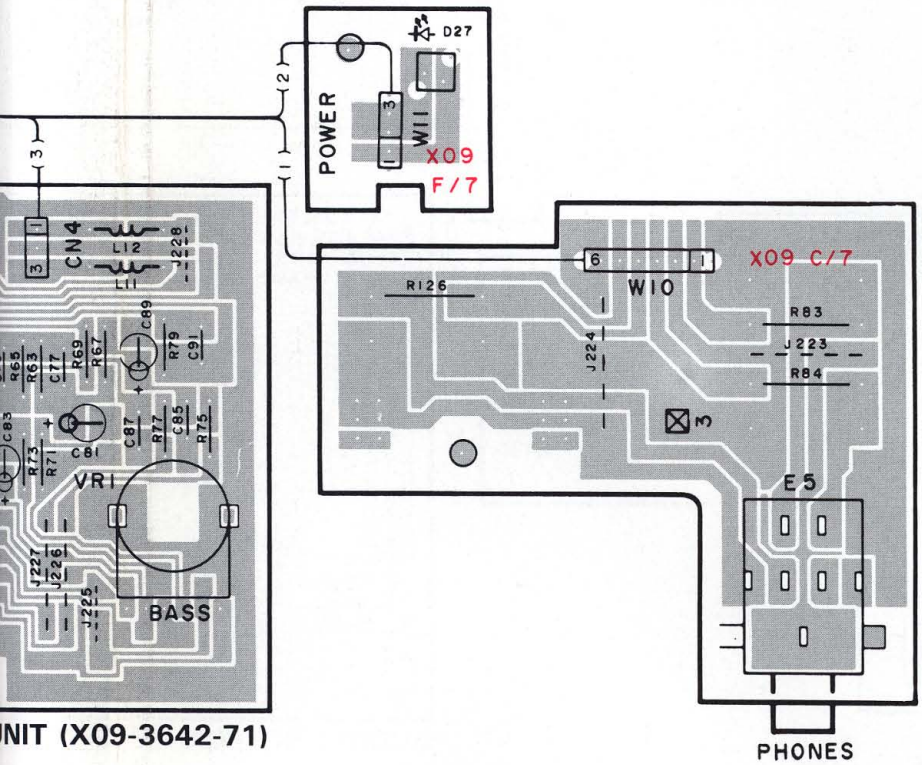


AUDIO UNIT (X09-3642-71)


TAPE
SPEAKERS
AUX
REC
PLAY
REC
PLAY
Rch
Lch
PROTECT
TAPE MONITOR
(a) DC voltm
IDLE CURR
9mV
(a) DC voltmeter
IDLE CURRENT
9mV
BRN/W
RED/W
ORG/W

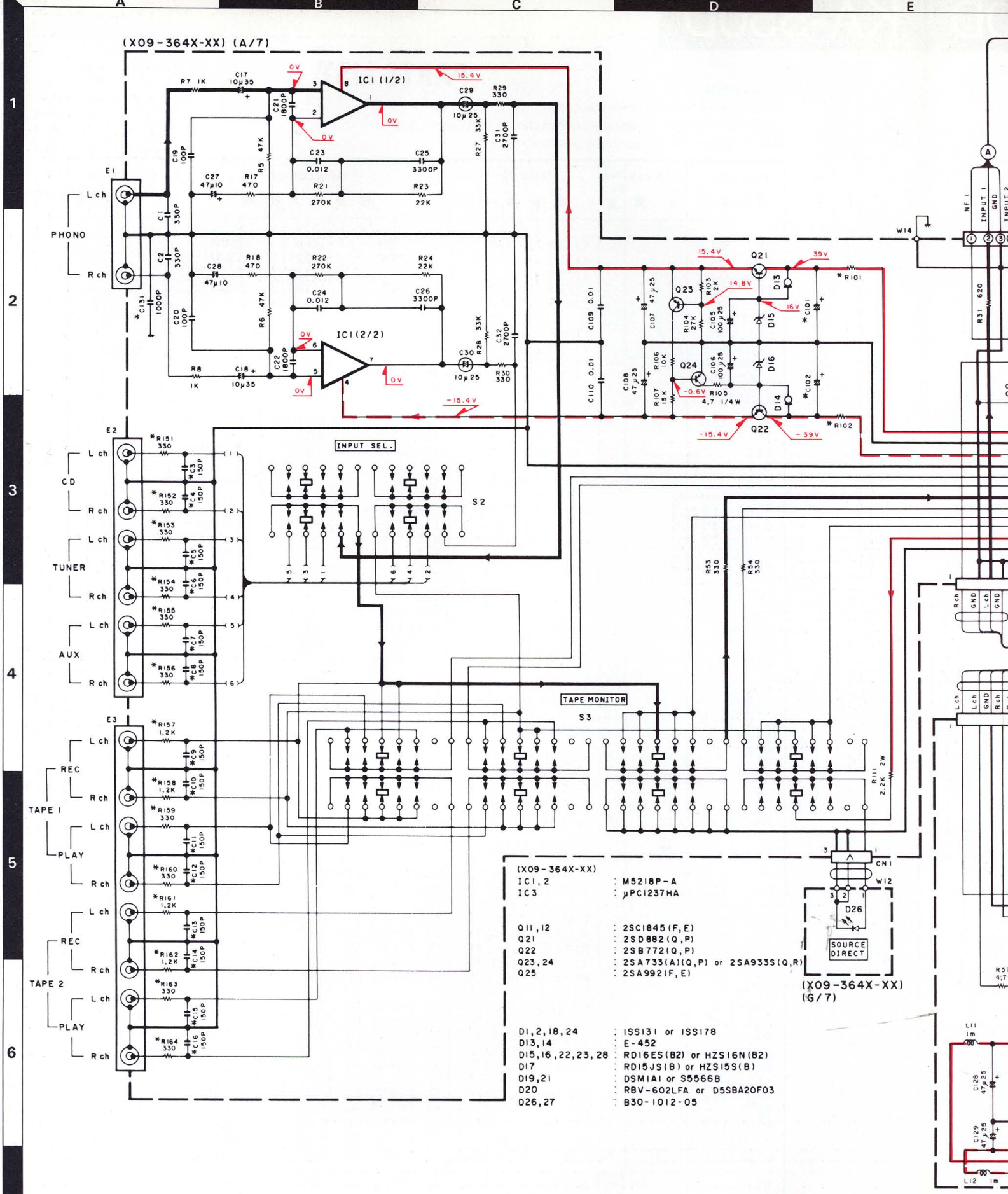

SWITCHED TOTAL 100W MAX.
UNSWITCHED 400W MAX.
AC110-120/220-240
50/60Hz
X00-2390-81 A/2
OUTLET
F1
F2
J1
J2
J3
J4
J5
J6
C1
BLU
RED
YEL
WHT
BRN
POWER SUPPLY UN
X00-
(M TYPE)
(E TYPE)
X00 B/2
S1
S2
C2
POWER
240V
120V
P.T.
ORG/W
RED/W
BRN/W
W4
W5
W6
W7
W8
W9
X09 D/7
X09 E/7
Q101
Q105
Q103
Q102
Q106
Q104
(a) DC voltmeter
IDLE CURRENT
9mV
X09 G/7
DIRECT
D26
W12
W1
W3
VOLUME CONTROL
VR3
IC2
TONE
VR2
VR1
TREBLE
BASS
CN4
X09 B/7
AUDIO UNIT (X09-3642-7

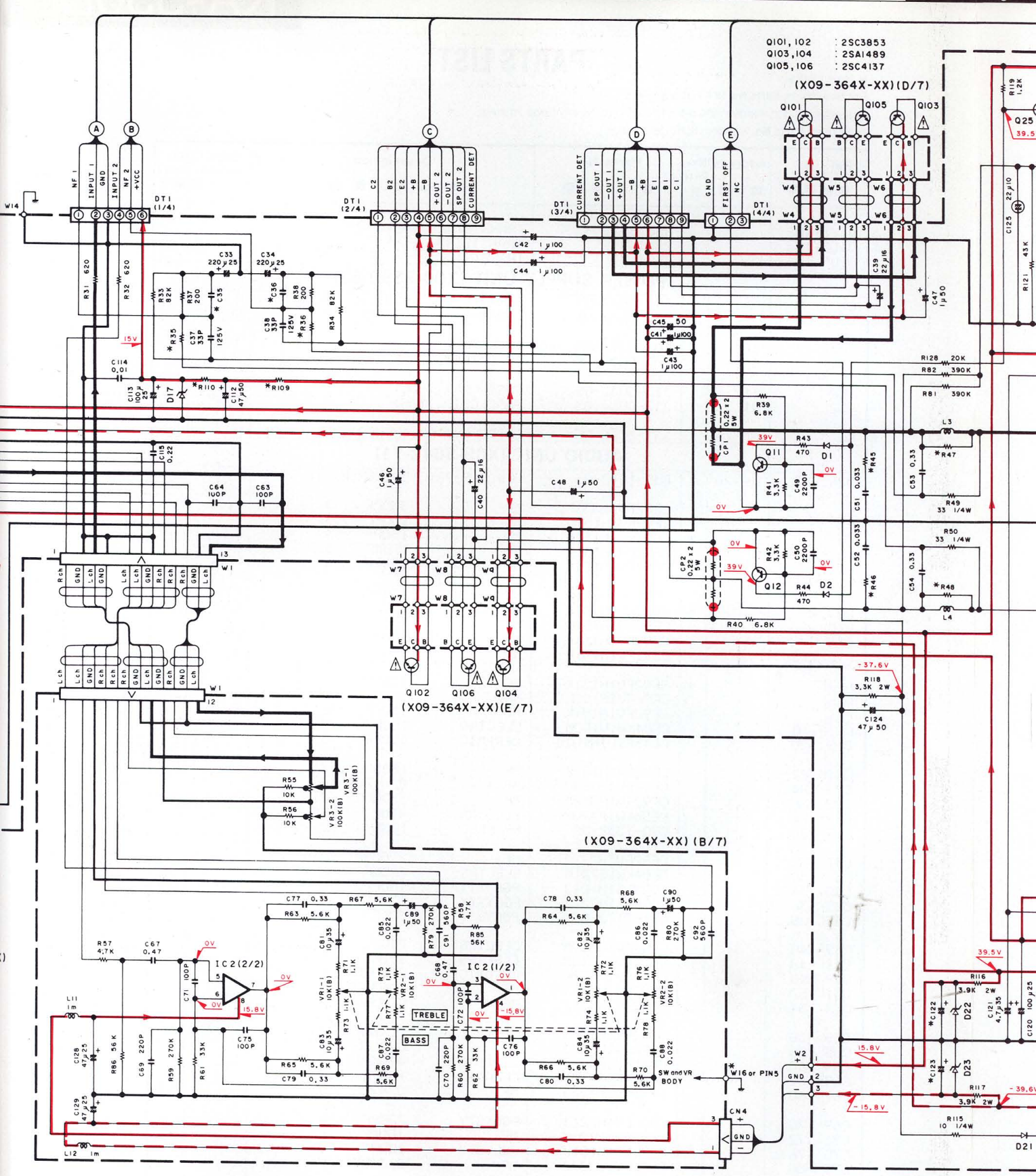


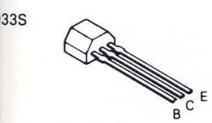


KA-550D (E)

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

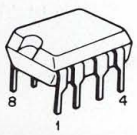

(X09-364X-XX) (A/7)
IC1 (1/2)
IC1 (2/2)
PHONO
CD
TUNER
AUX
TAPE 1
TAPE 2
REC
PLAY
INPUT SEL.
TAPE MONITOR
S2
S3
SOURCE DIRECT
(X09-364X-XX) (G/7)
(X09-364X-XX)
IC1, 2 : M5218P-A
IC3 : μPC1237HA
Q11, 12 : 2SC1845(F,E)
Q21 : 2SD882(Q,P)
Q22 : 2SB772(Q,P)
Q23, 24 : 2SA733(A)(Q,P) or 2SA933S(Q,R)
Q25 : 2SA992(F,E)
D1, 2, 18, 24 : 1SS131 or 1SS178
D13, 14 : E-452
D15, 16, 22, 23, 28 : RD16ES(B2) or HZS16N(B2)
D17 : RD15JS(B) or HZS15S(B)
D19, 21 : DSM1A1 or S5566B
D20 : RBV-602LFA or D5SBA20F03
D26, 27 : B30-1012-05
2SA733 (A)
2SA992
2SC1845
2SC945 (A)
2SA1110
2SB772
2SC2590
2SD882
2SA1489
2SC3853
2SA933S



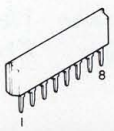


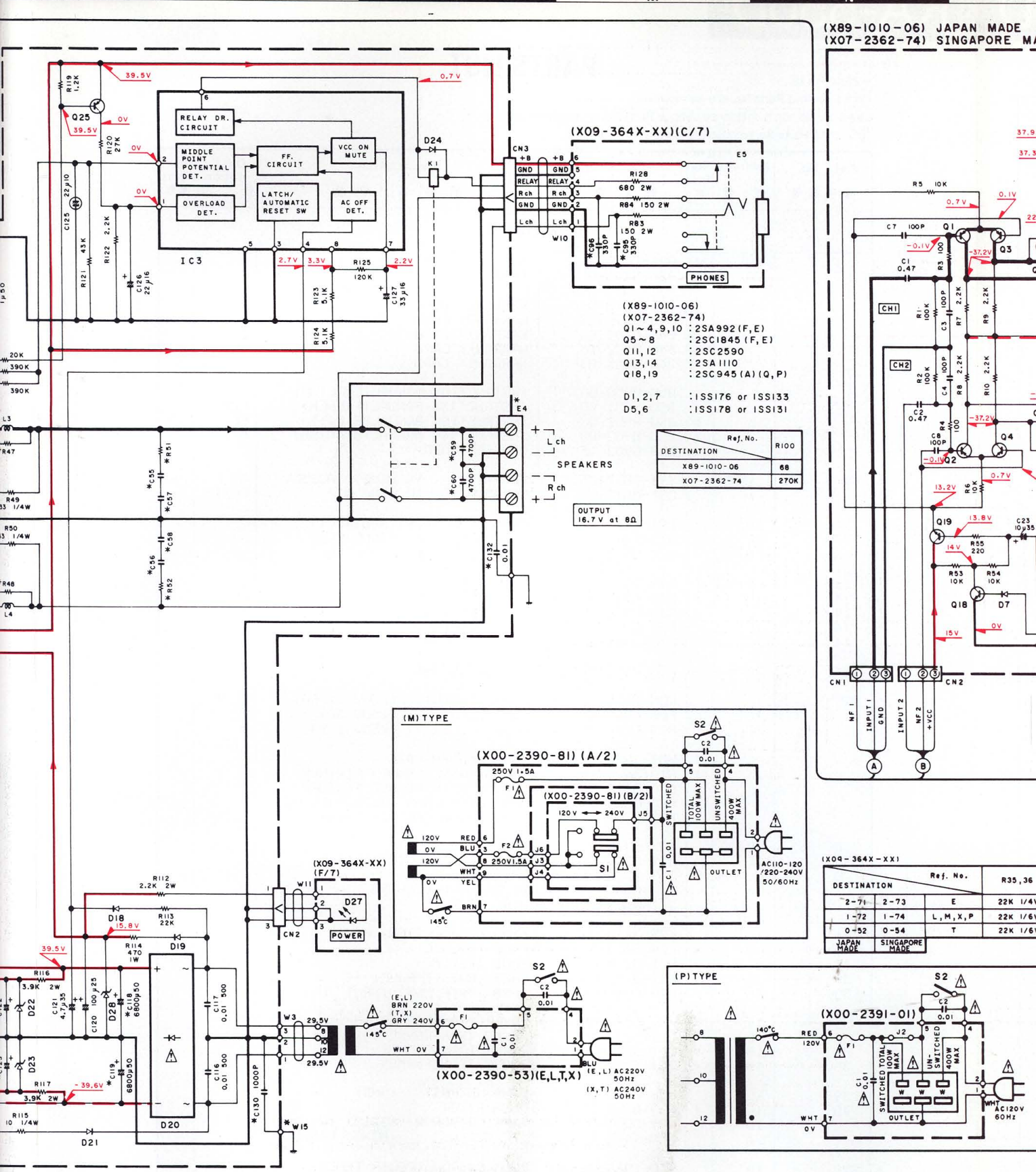
2SC4137

M5218P-A



μPC1237HA



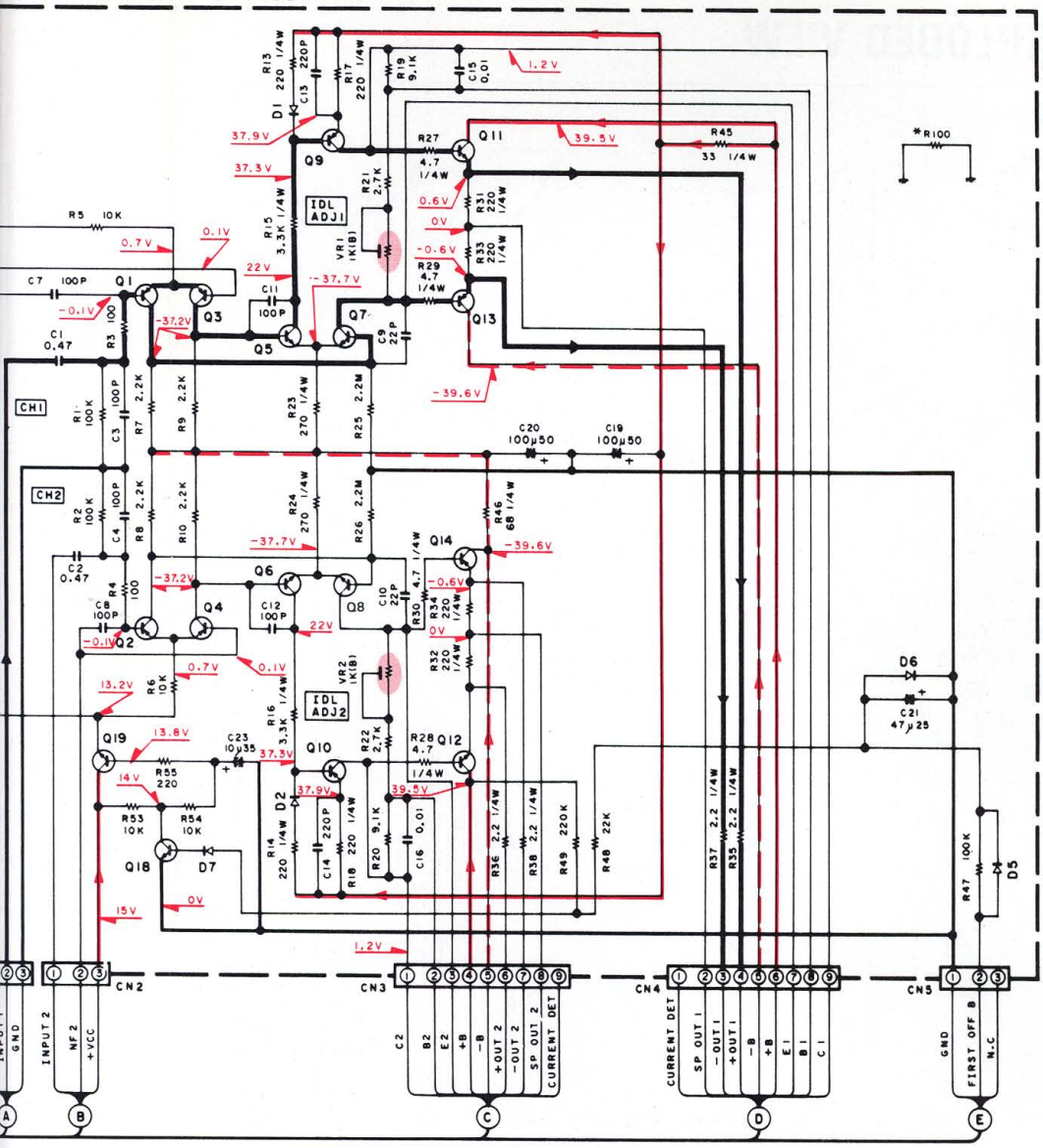


DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

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.

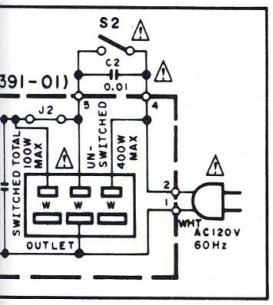
Die an
einem
signal
aufgrun
Instrume

(1010-06) JAPAN MADE
(2362-74) SINGAPORE MADE



(XX-XX)												
TION	Ref. No.	R35,36	R45,46,51,52	R47,48	R101,102	R109,110	R151~156,159 160,163,164	R157,158 161,162	C3~16	C35,36	C55~58
2-73	E	22K 1/4W	4.7 2W	10 1/4W	1 1W	1.8K 2W	330	1.2K	150P	220P	0.068
1-74	L,M,X,P	22K 1/6W	10 2W	4.7 1/4W	220 1/4W	1.8K 1/4W	NO	NO	NO	100P	0.1
0-54	T	22K 1/6W	10 2W	4.7 1/4W	220 1/4W	1.8K 1/4W	NO	NO	NO	100P	0.1
SINGAPORE MADE											

C59,60	C95,96	C101,102	C118,119	C122,123	C130,131	C132	W15	W16	5PIN	E4
4700P	330P	220μ50	C90-1662-05	470μ25	1000P	0.01	YES	NO	YES	E20-0474-05
NO	NO	100μ50	C90-1663-05	4.7μ35	NO	NO	NO	YES	NO	E20-0473-05
NO	NO	100μ50	C90-1663-05	4.7μ35	NO	NO	NO	YES	NO	E20-0474-05



SIGNAL LINE
GND LINE
+ B LINE
- B LINE

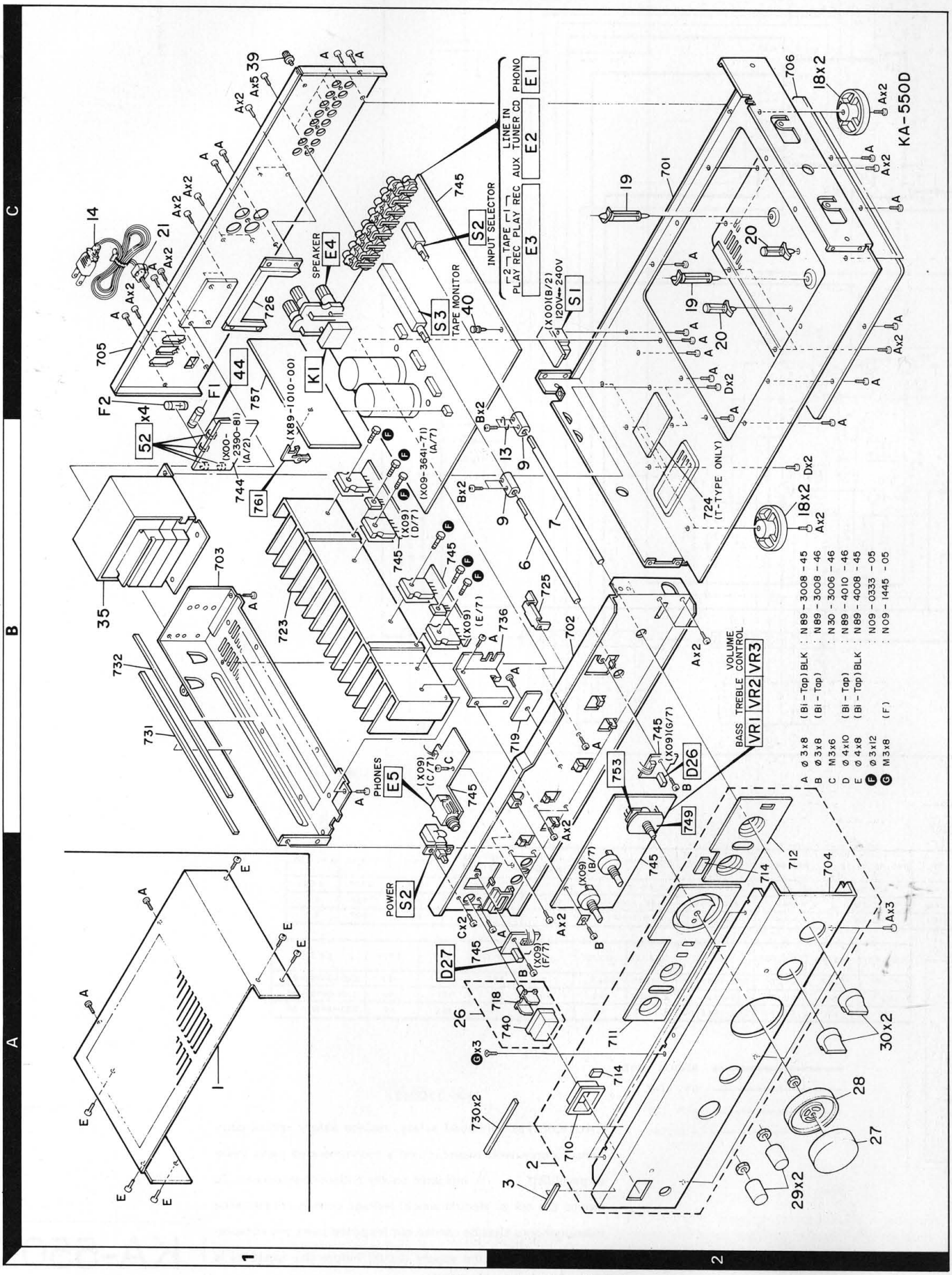
KA-550D(E)

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.

avec un volt-
d'entrée. Les
fait des varia-
instruments 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 with the exploded numbers larger than 700 are not supplied.

PARTS LIST

* 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.

	Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
				KA-550D			
	1	1A	*	A01-1658-01	METALLIC CABINET		
	2	2A	*	A20-5546-02	PANEL ASSY		
	3	2A		B43-0278-04	KENWOOD BADGE		
	-			B46-0096-13	WARRANTY CARD	X	
	-			B46-0121-03	WARRANTY CARD	P	
	-			B46-0122-13	WARRANTY CARD	EL	
	-			B46-0143-03	WARRANTY CARD	T	
	-		*	B50-8950-00	INSTRUCTION MANUAL(ENGLISH)		
	-		*	B50-8951-00	INSTRUCTION MANUAL(FRENCH)	ELMXP	
	-		*	B50-8952-00	INSTRUCTION MANUAL(G,D,I)	EL	
	-		*	B50-8953-00	INSTRUCTION MANUAL(SPANISH)	M	
	-			B58-0803-13	CAUTION CARD	E	
⚠	C2			C91-0023-05	CERAMIC 0.01UF AC250V	M	
⚠	C2			C91-0647-05	CERAMIC 0.01UF P	ELXTP	
	6	2B		D21-1445-04	EXTENSION SHAFT(S-DIRECT)		
	7	2B		D21-1446-04	EXTENSION SHAFT(TAPE SEL)		
	9	2B,2C		D22-0063-04	SHAFT COUPLING (TAPE SEL)		
	13	2B,2C	*	E29-0320-04	LEAD PLATE		
⚠	14	1C		E30-0459-05	AC POWER CORD	EL	
⚠	14	1C		E30-0812-05	AC POWER CORD	M	
⚠	14	1C		E30-0974-05	AC POWER CORD	P	
⚠	14	1C		E30-1341-05	AC POWER CORD	X	
⚠	14	1C		E30-1416-05	AC POWER CORD	T	
⚠	F1	1C		F05-1623-05	FUSE (SEMKO) (250V T1.6A)	ELXT	
⚠	F1	1C		F06-3023-05	FUSE (UL) (250V 3A)	P	
⚠	F1 ,2	1C		F05-1521-05	FUSE (250V 1.5A)	M	
	-		*	H01-7880-04	ITEM CARTON CASE		
	-		*	H10-3625-12	POLYSTYRENE FOAMED FIXTURE		
	-		*	H10-3626-12	POLYSTYRENE FOAMED FIXTURE		
	-			H25-0225-04	PROTECTION BAG (850X450X0.03)		
	-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
	18	2B,2C		J02-0378-05	FOOT		
	19	2C		J19-0515-05	UNIT HOLDER (H-14.6)		
	20	2C		J19-2536-05	UNIT HOLDER		
⚠	21	1C		J42-0083-05	POWER CORD BUSHING		
	-			J61-0307-05	WIRE BAND		
	26	1A		K29-3212-04	KNOB ASSY(BUTTON) POWER		
	27	2A	*	K29-3213-04	KNOB (VOLUME)		
	28	2A		K29-3214-04	KNOB (VOLUME)		
	29	2A	*	K29-3215-04	KNOB (BASS,TREBLE)		
	30	2A	*	K29-3216-04	KNOB (TAPE MONI,INPUT SEL)		
⚠	35	1B	*	L01-5291-05	POWER TRANSFORMER	P	
⚠	35	1B	*	L01-5292-15	POWER TRANSFORMER	EL	
⚠	35	1B	*	L01-5295-05	POWER TRANSFORMER	M	
⚠	35	1B	*	L01-5297-15	POWER TRANSFORMER	XT	
	39	1C		N08-0128-35	BINDING POST (GND)		
	40	1C	*	N29-0255-05	PUSH RIVET		
	F	1B		N09-0333-05	TAPPING SCREW (3X12) TR		
	G	2A		N09-1445-05	SET SCREW (M3X8) PANEL		
⚠	S2	1A		S40-1066-05	PUSH SWITCH (POWER TYPE)		

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⚠	Q101,102			2SC3853	TRANSISTOR		
⚠	Q103,104			2SA1489	TRANSISTOR		
⚠	Q105,106		*	2SC4137	TRANSISTOR		
	POWER SUPPLY UNIT (X00-2390-53)						
⚠	C1			C91-0023-05	CERAMIC 0.01UF AC250V	M	
⚠	C1			C91-0647-05	CERAMIC 0.01UF P	ELXTP	
⚠	44	1C	*	E03-0077-05	AC OUTLET	M	
⚠	44	1C	*	E03-0078-05	AC OUTLET	P	
	52	1B		J13-0041-05	FUSE CLIP (Ø6)	MP	
	52	1B		J13-0054-05	FUSE CLIP (Ø5)	ELXT	
⚠	S2	2C		S31-2126-05	SLIDE SWITCH (POWER TYPE)	M	
	AUDIO UNIT (X09-3642-71)						
	D26 ,27	1A,2B		B30-1012-05	LED(SLP-981C-50)SORCE DIR ,POW		
	C1 ,2			CF92FV1H331K	MF 330PF K		
	C3			CF92FV1H151K	MF 150PF K	E	
	C4		*	CF92FV1H151K	MF 150PF K	E	
	C5			CF92FV1H151K	MF 150PF K	E	
	C6		*	CF92FV1H151K	MF 150PF K	E	
	C7			CF92FV1H151K	MF 150PF K	E	
	C8 ,9		*	CF92FV1H151K	MF 150PF K	E	
	C10			CF92FV1H151K	MF 150PF K	E	
	C11		*	CF92FV1H151K	MF 150PF K	E	
	C12 ,13			CF92FV1H151K	MF 150PF K	E	
	C14		*	CF92FV1H151K	MF 150PF K	E	
	C15			CF92FV1H151K	MF 150PF K	E	
	C16		*	CF92FV1H151K	MF 150PF K	E	
	C17 ,18			CE04KW1V100M	ELECTRO 10UF 35WV		
	C19 ,20			CC45FSL1H101J	CERAMIC 100PF J		
	C21 ,22			CF92FV1H182J	MF 1800PF J		
	C23 ,24			CF92FV1H123J	MF 0.012UF J		
	C25 ,26			CF92FV1H332J	MF 3300PF J		
	C27 ,28			CE04KW1A470M	ELECTRO 47UF 10WV		
	C29 ,30			C90-1332-05	NP-ELEC 10UF 25WV		
	C31 ,32			CF92FV1H272J	MF 2700PF J		
	C33 ,34			CE04KW1E221M	ELECTRO 220UF 25WV		
	C35 ,36			CQ09FS1H101J	POLYSTY 100PF J	LMXTP	
	C35 ,36			CQ09FS1H221J	POLYSTY 220PF J	E	
	C37 ,38			C91-0172-05	POLYSTY 33PF K		
	C39 ,40			CE04KW1C220M	ELECTRO 22UF 16WV		
	C41 -48			CE04KW1H010M	ELECTRO 1.0UF 50WV		
	C49 ,50			CK45FB1H222K	CERAMIC 2200PF K		
	C51 ,52			CF92FV1H333J	MF 0.033UF J		
	C53 ,54			CF92FV1H334J	MF 0.33UF J		
	C55 -58			CF92FV1H104J	MF 0.10UF J	LMXTP	
	C55 -58			CF92FV1H683J	MF 0.068UF J	E	
	C59 ,60			CK45FF1H472Z	CERAMIC 4700PF Z	E	
	C63 ,64			CC45FSL1H101J	CERAMIC 100PF J		
	C67 ,68			CF92FV1H474J	MF 0.47UF J		
	C69 ,70			CQ09FS1H221J	POLYSTY 220PF J		
	C71 ,72			CF92FV1H101K	MF 100PF K		
	C75 ,76			CQ09FS1H101J	POLYSTY 100PF J		
	C77 -80			CF92FV1H334J	MF 0.33UF J		

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C81 ,82			CE04KW1V100M	ELECTRO 10UF 35WV		
C83 ,84			CE04KW1V100M	ELECTRO 10UF 35WV		
C85 -88			CF92FV1H223J	MF 0.022UF J		
C89 ,90			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C91 ,92			CK45FB1H561K	CERAMIC 560PF K		
C95 ,96			CC45FSL1H331J	CERAMIC 330PF J	E	
C101,102			CE04KW1H101M	ELECTRO 100UF 50WV	LMXTP	
C101,102			CE04KW1H221M	ELECTRO 220UF 50WV	E	
C105,106			CE04KW1E101M	ELECTRO 100UF 25WV		
C107,108			CE04KW1E470M	ELECTRO 47UF 25WV		
C109,110			CF92FV1H103J	MF 0.010UF J		
C112			CE04KW1H470M	ELECTRO 47UF 50WV		
C113			CE04KW1E101M	ELECTRO 100UF 25WV		
C114			CF92FV1H103J	MF 0.010UF J		
C115			CF92FV1H224J	MF 0.22UF J		
C116,117			CK45FE2H103P	CERAMIC 0.010UF P		
C118,119			C90-1662-05	ELECTRO 6800UF 50WV	E	
C118,119			C90-1663-05	ELECTRO 6800UF 50WV	LMXTP	
C120			CE04KW1E101M	ELECTRO 100UF 25WV		
C121			CE04KW1V4R7M	ELECTRO 4.7UF 35WV	E	
C121-123			CE04KW1V4R7M	ELECTRO 4.7UF 35WV	LMXTP	
C122,123			CE04KW1E471M	ELECTRO 470UF 25WV	E	
C124			CE04KW1H470M	ELECTRO 47UF 50WV		
C125			C90-1333-05	NP-ELEC 22UF 10WV		
C126			CE04KW1C220M	ELECTRO 22UF 16WV		
C127			CE04KW1C330M	ELECTRO 33UF 16WV		
C128,129			CE04KW1E470M	ELECTRO 47UF 25WV		
C130,131			CF92FV1H102J	MF 1000PF J	E	
C132			CF92V1H103J	MF 0.010UF J	E	
E1	1C,2C		E13-0235-05	PHONO JACK (2P) PHONO		
E2	1C,2C		E13-0621-05	PHONO JACK (6P) LINE IN		
E3	1C,2C		E13-0814-05	PHONO JACK (8P) TAPE		
E4	1C	*	E20-0473-05	SCREW TERMINAL BOARD(SPEAKERS)	LMXP	
E4	1C	*	E20-0474-05	SCREW TERMINAL BOARD(SPEAKERS)	ET	
E5	1B		E11-0160-05	PHONE JACK (7P) PHONES		
L3 ,4			L39-0080-15	PHASE-COMPENSATION COIL		
L11 ,12			L40-1021-14	SMALL FIXED INDUCTOR(1.0MH,K)		
CP1 ,2			R90-0187-05	MULTI-COMP 0.22X2 K 5W		
R45 ,46			RS14DB3D100JTE	FL-PROOF RS 10 J 2W	LMXTP	
R45 ,46			RS14DB3D4R7JTE	FL-PROOF RS 4.7 J 2W	E	
R47 ,48			RD14AB2E100JTS	FL-PROOF RD 10 J 1/4W	E	
R47 ,48			RD14AB2E4R7JTS	FL-PROOF RD 4.7 J 1/4W	LMXTP	
R49 ,50			RD14AB2E330JTS	FL-PROOF RD 33 J 1/4W		
R51 ,52			RS14DB3D100JTE	FL-PROOF RS 10 J 2W	LMXTP	
R51 ,52			RS14DB3D4R7JTE	FL-PROOF RS 4.7 J 2W	E	
R83 ,84		*	RS14DB3D151JTE	FL-PROOF RS 150 J 2W		
R101,102			RD14AB2E221JTS	FL-PROOF RD 220 J 1/4W	LMXTP	
R101,102		*	RS14DB3A1R0JTE	FL-PROOF RS 1.0 J 1W	E	
R105			RD14AB2E4R7JTS	FL-PROOF RD 4.7 J 1/4W		
R109,110		*	RD14AB2E182JTS	FL-PROOF RD 1.8K J 1/4W	LMXTP	
R109,110			RS14DB3D182JTE	FL-PROOF RS 1.8K J 2W	E	
R111,112		*	RS14DB3D222JTE	FL-PROOF RS 2.2K J 2W		
R114		*	RS14KB3A391JTE	FL-PROOF RS 390 J 1W		

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R115			RD14AB2E100JTS	FL-PROOF RD 10 J 1/4W		
R116,117		*	RS14DB3D392JTE	FL-PROOF RS 3.9K J 2W		
R118		*	RS14DB3D332JTE	FL-PROOF RS 3.3K J 2W		
R126		*	RS14DB3D681JTE	FL-PROOF RS 680 J 2W		
VR1 ,2	2B		R06-3048-05	POTENTIOMETER(10K B)BASS,TREBL		
VR3	2B	*	R19-5002-05	POTENTIOMETER(100K B)		
K1	1C		S51-2078-05	MAGNETIC RELAY		
S2	1C		S29-4020-05	ROTARY SWITCH(INPUT SELECTOR)		
S3	1C	*	S29-8002-05	ROTARY SWITCH(TAPE MONITOR)		
D1 ,2			1SS131	DIODE		
D1 ,2			1SS178	DIODE		
D13 ,14			E-452	CONSTANT CURRENT DIODE		
D15 ,16			HZS16N(B2)	ZENER DIODE		
D15 ,16			RD16ES(B2)	ZENER DIODE		
D17			HZS15S(B)	ZENER DIODE		
D17			RD15JS(B)	ZENER DIODE		
D18			1SS131	DIODE		
D18			1SS178	DIODE		
D19			DSM1A1	DIODE		
D19			S5566B	DIODE		
D20		*	D5SBA20F03	DIODE		
D20			RBV-602LFA	DIODE		
D21			DSM1A1	DIODE		
D21			S5566B	DIODE		
D22 ,23			HZS16N(B2)	ZENER DIODE		
D22 ,23			RD16ES(B2)	ZENER DIODE		
D24			1SS131	DIODE		
D24			1SS178	DIODE		
D28			HZS16N(B2)	ZENER DIODE		
D28			RD16ES(B2)	ZENER DIODE		
IC1 ,2			M5218P-A	IC(OP AMP X2)		
IC3			UPC1237HA	IC(POWER AMP)		
Q11 ,12			2SC1845(F,E)	TRANSISTOR		
Q21			2SD882(Q,P)	TRANSISTOR		
Q22			2SB772(Q,P)	TRANSISTOR		
Q23 ,24			2SA733(A)(Q,P)	TRANSISTOR		
Q23 ,24			2SA933S(Q,R)	TRANSISTOR		
Q25			2SA992(F,E)	TRANSISTOR		
MAIN AMPLIFIER UNIT (X89-1010-06: JAPAN MADE, X07-2362-74: SINGAPORE MADE)						
C1 ,2			CF92FV1H474J	MF 0.47UF J		
C3 ,4			CQ09FS1H101J	POLYSTY 100PF J		
C7 ,8			CQ09FS1H101J	POLYSTY 100PF J		
C9 ,10			CC45FSL1H220J	CERAMIC 22PF J		
C11 ,12			CC45FSL1H101J	CERAMIC 100PF J		
C13 ,14			CC45FSL1H221J	CERAMIC 220PF J		
C15 ,16			CK45FF1H103Z	CERAMIC 0.010UF Z		
C19			CE04KW1H101M	ELECTRO 100UF 50WV		
C20			CE04KW1H101M	ELECTRO 100UF 50WV		
C21			CE04KW1E470M	ELECTRO 47UF 25WV		
C23			CE04KW1V100M	ELECTRO 10UF 35WV		
R13 ,14			RD14AB2E221JTS	FL-PROOF RD 220 J 1/4W		
R17 ,18			RD14AB2E221JTS	FL-PROOF RD 220 J 1/4W		
R23 ,24			RD14AB2E271JTS	FL-PROOF RD 270 J 1/4W		

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R27 -30			RD14AB2E4R7JTS	FL-PR0ØF RD 4.7 J 1/4W		
R31 -34			RD14AB2E221JTS	FL-PR0ØF RD 220 J 1/4W		
R35 -38			RD14AB2E2R2JTS	FL-PR0ØF RD 2.2 J 1/4W		
R45			RD14AB2E330JTS	FL-PR0ØF RD 33 J 1/4W		
R46			RD14AB2E680JTS	FL-PR0ØF RD 68 J 1/4W		
VR1 ,2			R12-1070-05	TRIMMING PØT.(1K B) IDLE ADJ		
D1 ,2			1SS133	DIØDE		
D1 ,2			1SS176	DIØDE		
D5 ,6			1SS131	DIØDE		
D5 ,6			1SS178	DIØDE		
D7			1SS133	DIØDE		
D7			1SS176	DIØDE		
Q1 -4			2SA992(F,E)	TRANSISTØR		
Q5 -8			2SC1845(F,E)	TRANSISTØR		
Q9 ,10			2SA992(F,E)	TRANSISTØR		
Q11 ,12			2SC2590	TRANSISTØR		
Q13 ,14			2SA1110	TRANSISTØR		
Q18 ,19			2SC945(A)(Q,P)	TRANSISTØR		

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KA-550D

SPECIFICATIONS

Power Output

35 watts per channel minimum RMS, both channels driven at 8 ohms from 20 Hz to 20,000 Hz with no more than 0.08% total harmonic distortion

Maximum continuous Power Output (DIN) 1 kHz at 4 ohms	52 W+52 W	
Maximum continuous Power Output (DIN) 1 kHz at 8 ohms	41 W+41 W	
Maximum continuous Power Output (IEC/NF) from 63 Hz to 12,500 Hz 0.7%		
Total Harmonic Distortion at 8 ohms	40 W+40 W	
Total Harmonic Distortion		
(20 Hz-20,000 Hz, 8 ohms)	: 0.08%	
(1 kHz, 8 ohms)	: 0.009%	
Intermodulation Distortion	: 0.03% at rated power (60 Hz: 7 kHz = 4:1)	
Frequency Response	: 10 Hz to 80 kHz/ +0 dB, −3 dB (IHF-'66)	
Phono Frequency Response	: RIAA Standard curve ±0.4 dB (30 Hz to 20 kHz)	
Damping Factor	: 250 (50 Hz input 8 ohms)	
Signal to Noise Ratio	**IHF'66**	**IHF-A**
PHONO (MM)	: 72 dB, 2.5 mV	76 dB
TUNER/CD/AUX	: 106 dB, 150 mV	82 dB
TAPE	: 97 dB, 150 mV	82 dB
Signal to Noise Ratio at Unweighted, 50 mW Output (DIN)		
PHONO (MM)	: 57 dB	
TUNER/CD/AUX/TAPE	: 57 dB	
Input Sensitivity/Impedance		
PHONO (MM)	: 2.5 mV/ 47 kohms	
TUNER/CD/AUX/TAPE	: 150 mV/ 47 kohms	
Phono Maximum Input Level (MM)	: 150 mV, 0.08% T.H.D. at 1 kHz	
Output Level/Impedance		
TAPE REC	: 150 mV/220 ohms	
REC OUT	: 150 mV/220 ohms	
Channel Separation (DIN) at 1,000 Hz		
PHONO (Terminated with 2.2 kohms)	: 64 dB	
AUX (Terminated with 47 kohms+250 pF)	: 58 dB	
Tone Control		
TREBLE	: ±10 dB at 10 kHz	
BASS	: ±10 dB at 100 Hz	
Phono Input Capacity	: 320 pF	

General

Power Requirements	: 120 V, 60 Hz ..... Canada Models 220 V, 50 Hz ..... European Models 240 V, 50 Hz ..... UK and Australia Models 110-120/220-240 V 50/60 Hz switchable ..... Others
Power Consumption	: 2.5 A (Canada Models) 150 W (Others)
Dimensions	: W 440 mm (17-5/16") H 103 mm (4-1/16") D 345 mm (13-9/16")
Weight (Net)	: 6.8 kg (15.0 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 doncerne 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, the Europe (E) 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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