

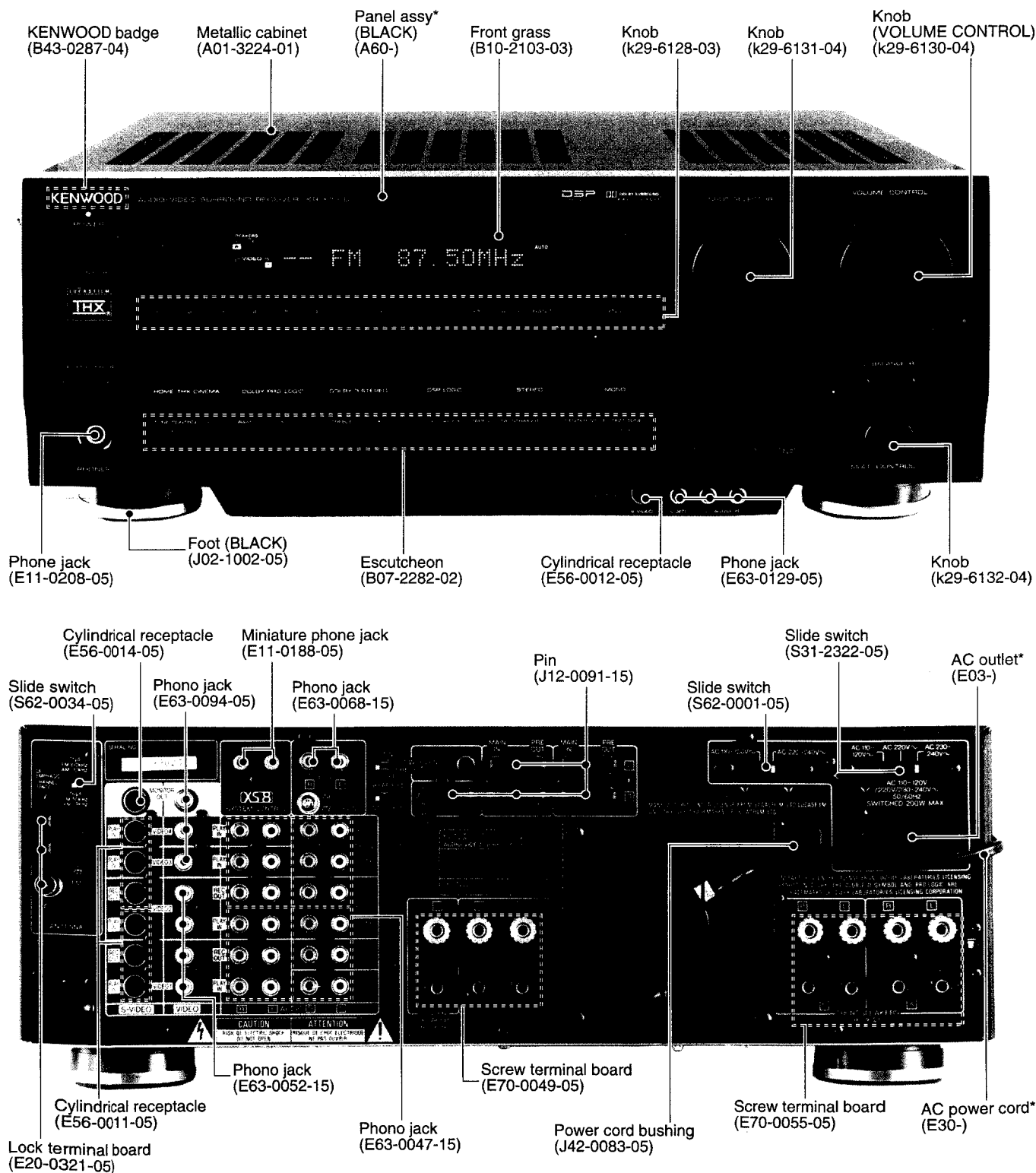
KR-X1000/(G)

SERVICE MANUAL

KENWOOD

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B51-5070-00 (K) 2627

KR-X1000 M type



*Refer to parts list on page 71.

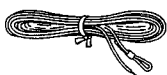
KR-X1000/(G)

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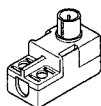
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ACCESSORIES

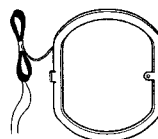
FM indoor antenna.....(1)
(T90-0801-05)



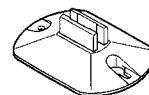
antenna adaptor.....(1)
(T90-0198-05)



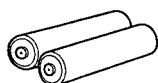
- AM loop antenna assy ..(1) -
(T90-0195-05)



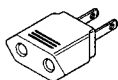
loop antenna stand (1)
(J19-3645-05)



Batteries(R6/AA).....(2)

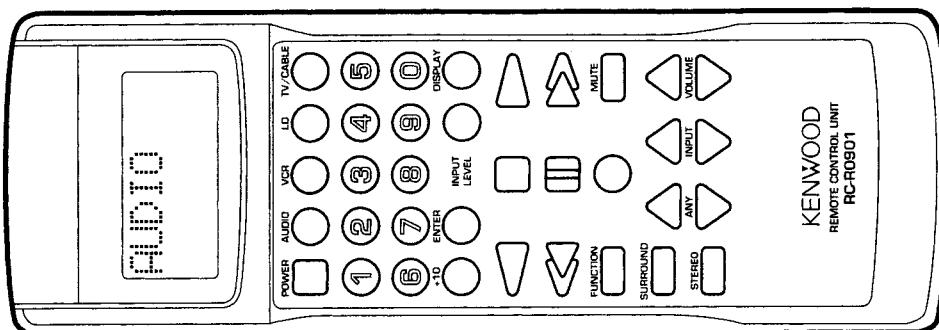


AC plug adaptor.....(1)
(E03-0115-05):M



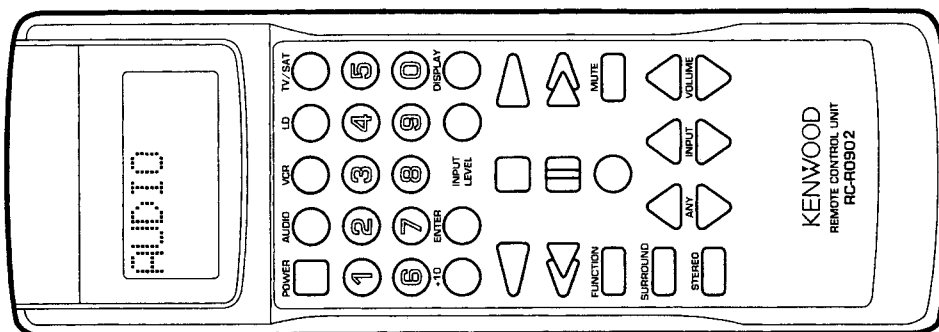
Remote control unit.....(1)
(A70-1019-05):RC-R0901(K,P,Y,M,X type)

BATTERY COVER(A09-0193-08)



Remote control unit.....(1)
(A70-1027-05):RC-R0902(T,E,G type)

BATTERY COVER(A09-0193-08)

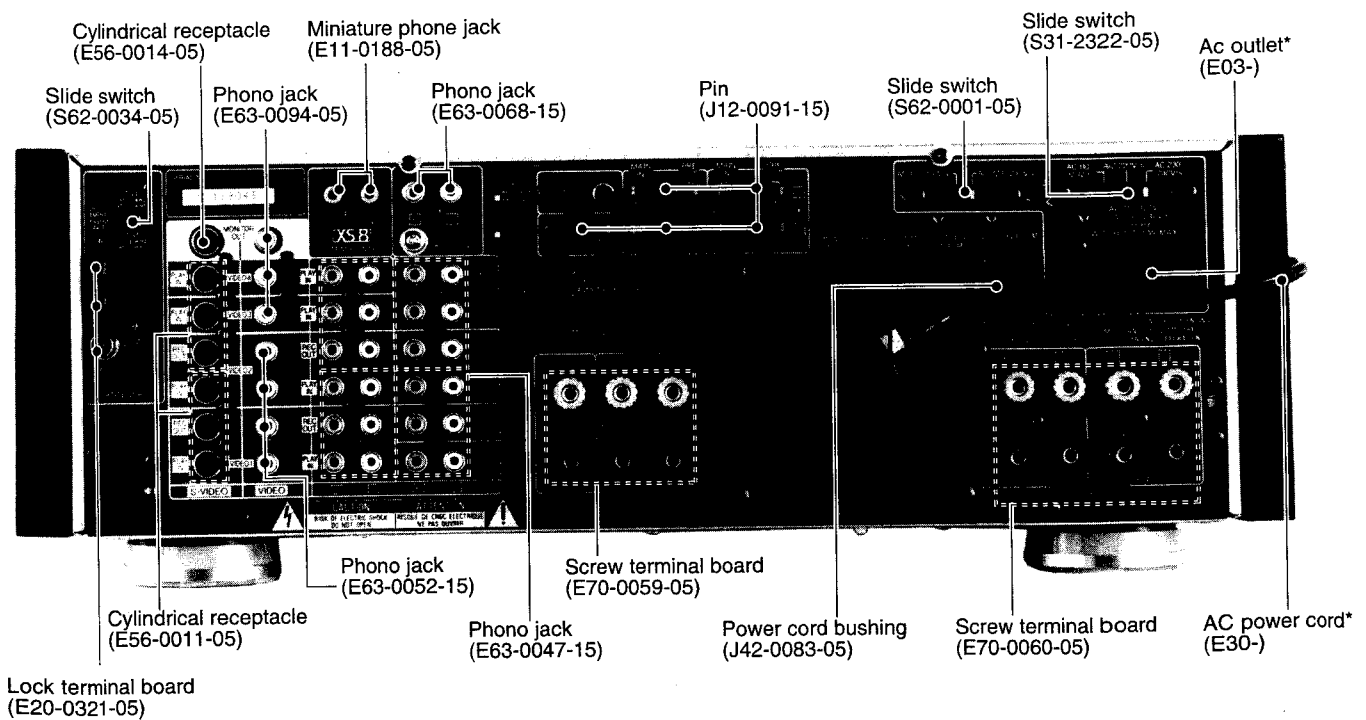
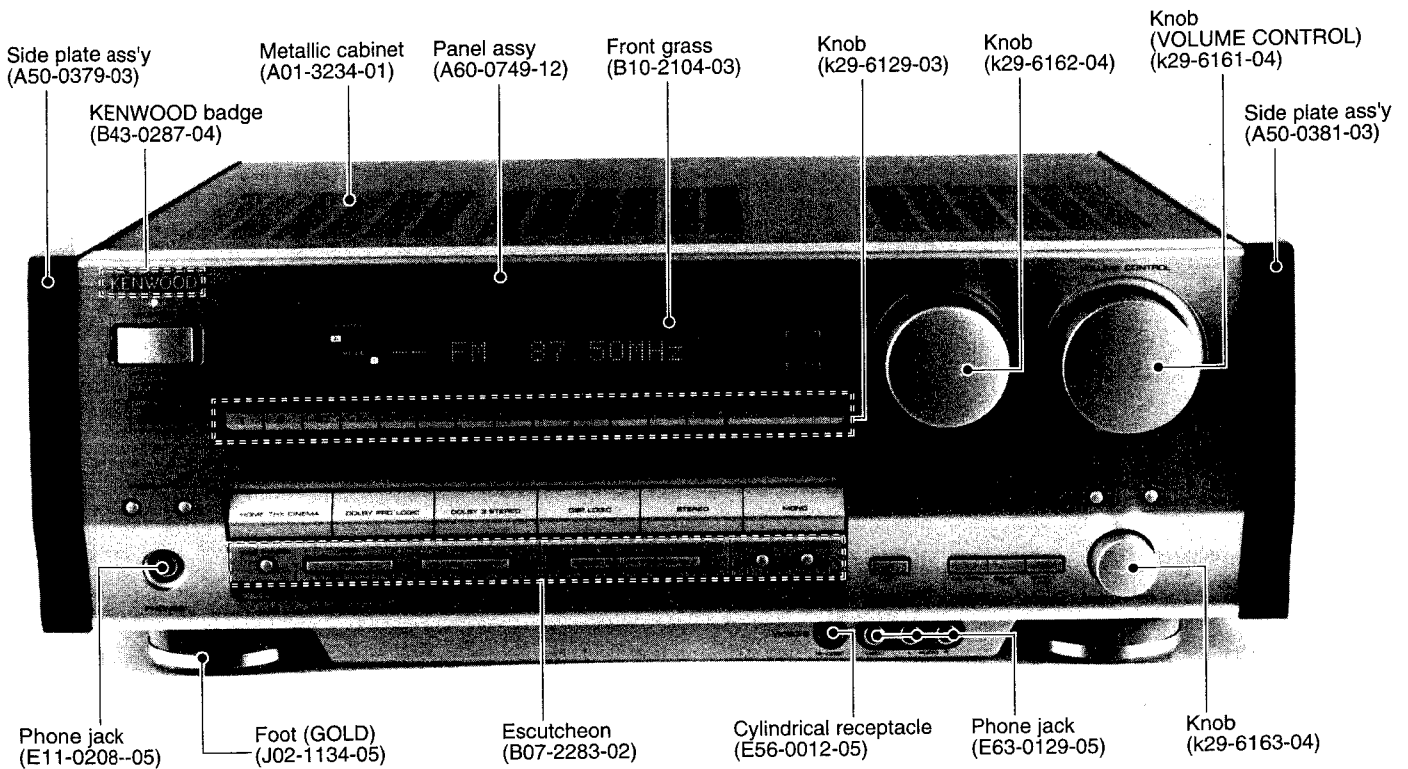


INSTRUCTION MANUAL

	Parts No.	Destination		Parts No.	Destination
ENGLISH	B60-2100-00	KS,PS,YS,MS,XS	GERMAN	B60-2104-00	MS,ES
ENGLISH	B60-2101-00	TS	FRENCH,DUTCH	B60-2232-00	ES
FRENCH	B60-2102-00	PS	ITALIAN,SPANISH	B60-2233-00	ES
SPANISH,CHINESE	B60-2103-00	MS	TAIWAN	B60-2234-00	MS

KR-X1000/(G)

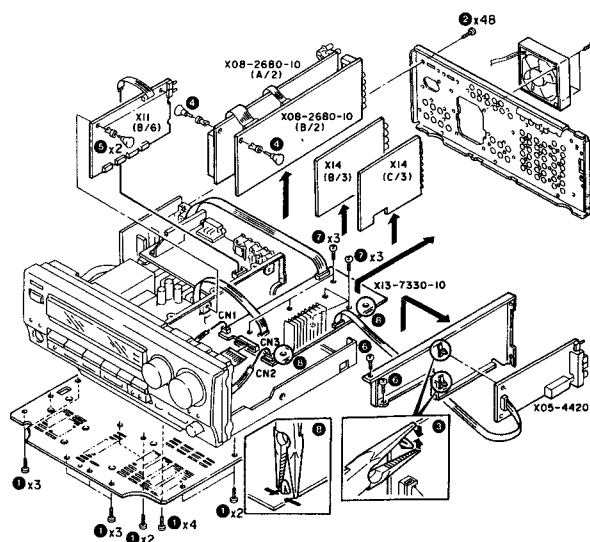
KR-X1000(G) M type



DISASSEMBLY FOR REPAIR

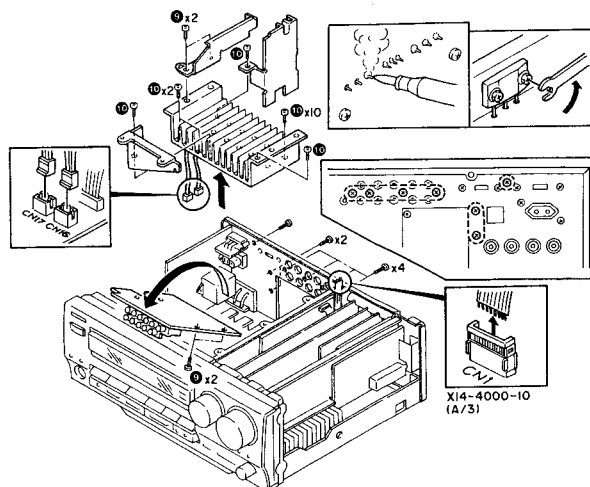
[Removed the PCBs]

1. Remove the fourteen screws (①), then remove the bottom plate.
2. Remove the forty eight screws (②), then remove the fan motor, the rear panel, and PCB(X14).
3. Push the two PC holders (③), then remove the PCB(X05).
4. Remove the four push rivets (④, ⑤), then remove the PCB (X08, X11).
5. Remove the two screws (⑥), then remove shield plate.
6. Remove the six screws (⑦) and push the two PC holders (⑧), then remove the PCB(X13).



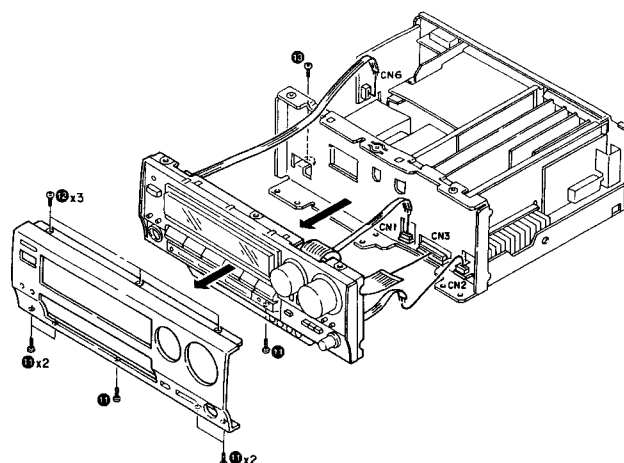
[Removed the main heat sink]

1. Remove the eleven screws(9),then remove the PCB(X14).
2. Remove the fifteen screws(10),then remove the main heat sink.



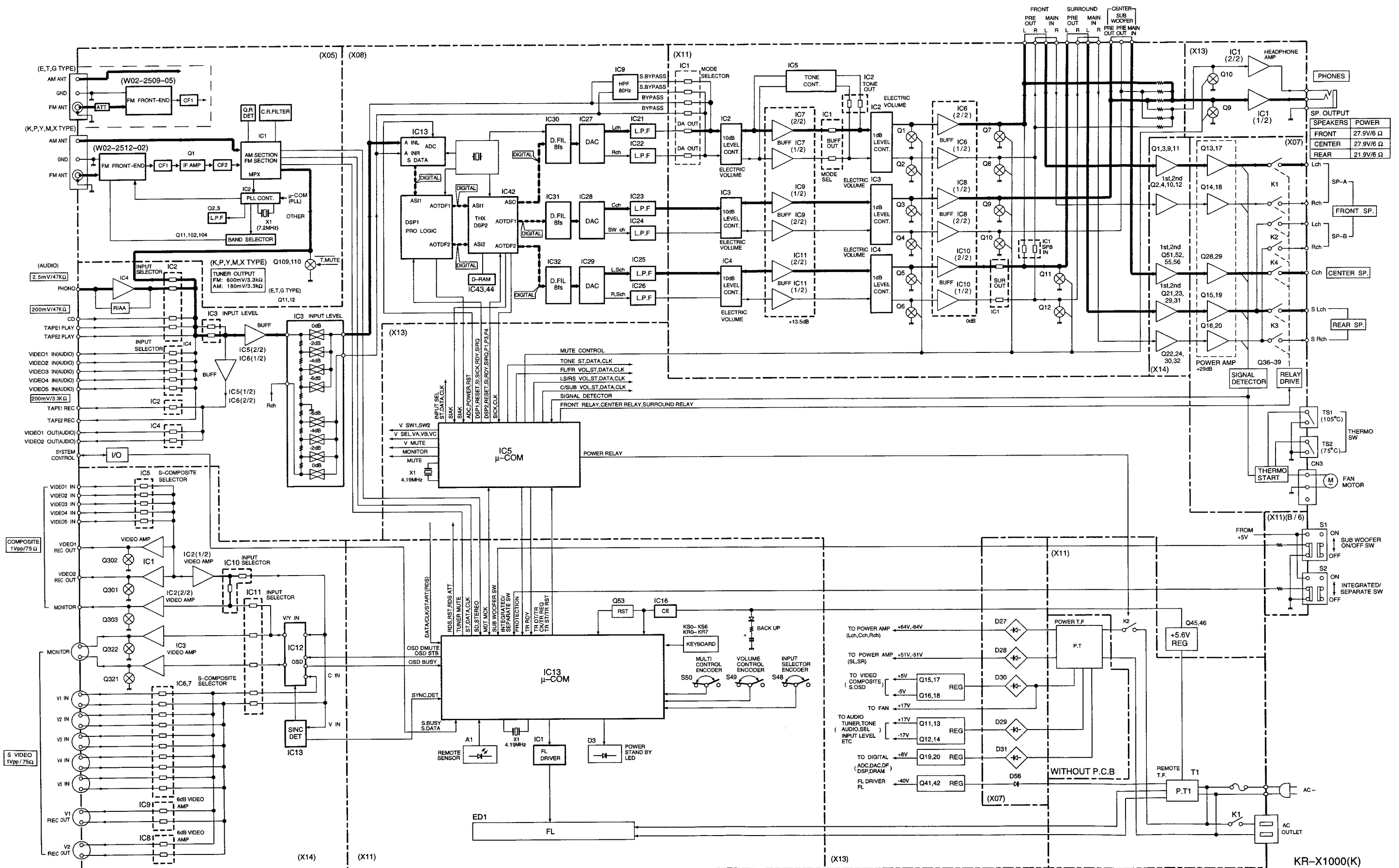
[Removed the front panel]

Remove the ten screws (11, 12, 13), then remove the front panel and the sub panel.



KR-X1000/(G) KR-X1000/(G)

BLOCK DIAGRAM



KR-X1000/(G)

CIRCUIT DESCRIPTION

1. Main microprocessor:

UPD78056GC-075(X11: IC13)

1.1 Function description

1.1.1 Feature

(1) AMP

(a) Audio input :10channels

CD,PHONO,AUX,TAPE1,TAPE2,VIDEO1,
VIDEO2,VIDEO3,VIDEO4,VIDEO5

Audio input :4channels

TAPE1,TAPE2,VIDEO1,VIDEO2

Video input :5channels

VIDEO1,VIDEO2,VIDEO3,VIDEO4,VIDEO5

Video output :3channels

VIDEO1,VIDEO2,MONITOR

(b) POWER ON/OFF

SPEAKER A ON/OFF

SPEAKER B ON/OFF

LINE STRAIGHT ON/OFF

VISUAL FIX ON/OFF

TAPE2 ON/OFF

MUTE ON/OFF

DIMMER (Remote control)

MENU (Remote control)

(c) VOLUME UP/DOWN

BALANCE L/R

(d) TONE CONTROL ON/OFF

BASS UP/DOWN

TREBLE UP/DOWN

(e)DISPLAY(FL) (remote control)

2MODE(INPUT SELECTOR.SURROUND)

(2) SURROUND

(a) HOME THX CINEMA

DOLBY PROLOGIC

DOLBY 3 STEREO

DSP LOGIC

MONO

STEREO (SURROUND BYPASS)

(b) CENTER MODE

HOME THX CINEMA:3MODE

(NORMAL · WIDEBAND · PHANTOM)

PROLOGIC:3MODE

(NORMAL · WIDEBAND · PHANTOM)

3 STEREO:2MODE(NORMAL. WIDEBAND)

DSP LOGIC:3MODE

(NORMAL · WIDEBAND · PHANTOM)

(c) DELAY TIME

EFFECT LEVEL 3MODE (ROOM. EFFECT.WALL)

INPUT LEVEL

CHANNEL MODE

MULTI CHANNEL CONTROL

TEST TONE ON/OFF

(3) TUNER

(a) BAND(FM.AM)

AUTO/MANUAL

TUNING UP/DOWN

TEN KEY

+10KEY

MEMORY (40ch RANDOM PRESET)

DIRECT

P.CALL (REMOTE CONTROL)

(4) RDS

(a) PTY

AF

(b) DISPLAY(RDS MODE)

2 MODE(PS.CT)

1.1.2 Control object

(1) SELECTOR IC

AUDIO : TC9162N TC9163N TCS164N

MODE : IC9162N TC9163N

VIDEO : TC4051BPX3 TC4053 NJM2279

(2) VOLUME IC

MASTER : TC9213P

CENTER.SUB WOOFER : TC9213P

REAR : TC9213P

(3) TONE CONTROL IC : TC9184P

(4) DSP IC

DSPI : LC83016E

DSP2 : LC83017JE

(5) OSD IC

OSD : PD6452GT-603

(SYNC. SEP. : MM1067XD)

(6) FL DRIVER IC : LC7511E

(7) PLL IC : LC7218

(8) RDS ATT CIRCUIT (RDS IC : LC6543H-4D68)

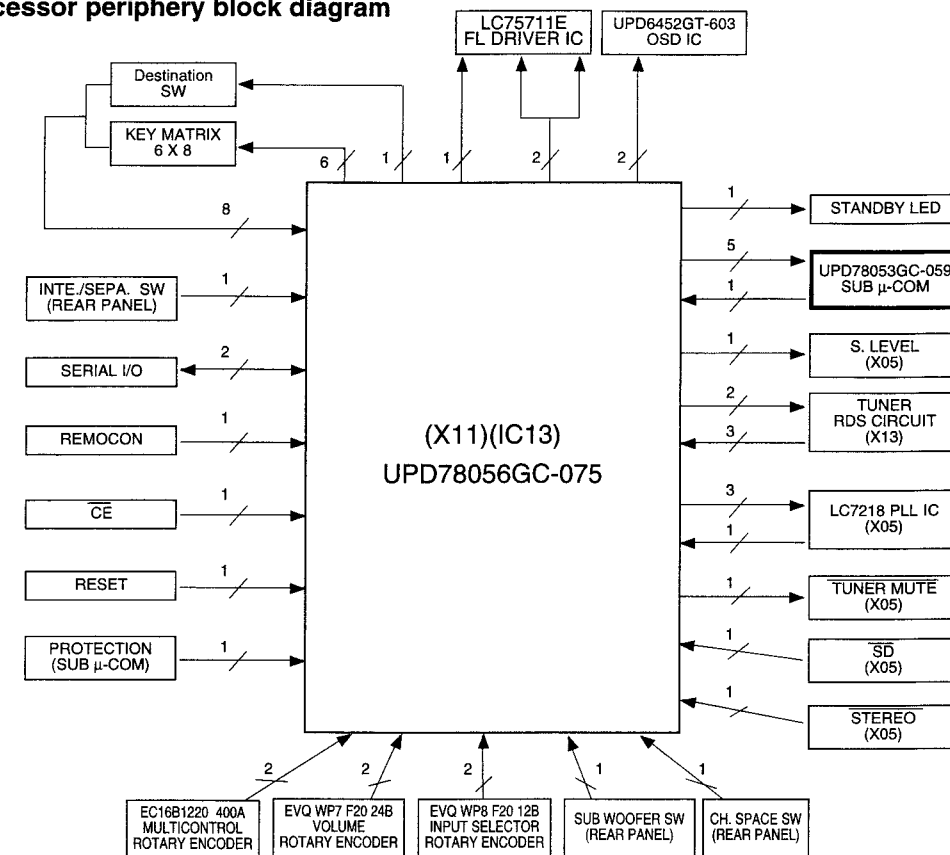
(9) FL TUBE (I6Grid/35Segment) : FIP15XM1AA

(10) POWER INDICATOR LED

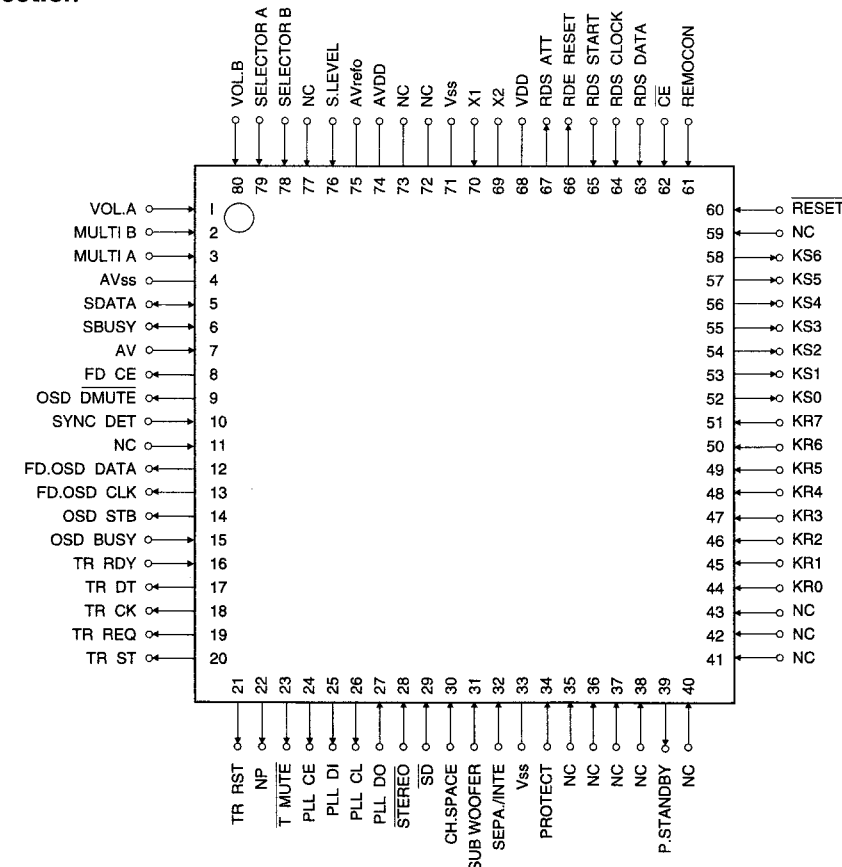
KR-X1000/(G)

CIRCUIT DESCRIPTION

1.2 Microprocessor periphery block diagram



1.3 Pin connection



CIRCUIT DESCRIPTION

1.4 Pin function

Pin No.	Pin Name	I/O	Description
1	VOL.A	I	VOLUME ROTARY ENCODER (EVQ WP7 F20 24B) PHASE A
2	MULTI.B	I	MULTI CONTROL ROTARY ENCODER (EC16B 1220 400A) PHASE B
3	MULTI.A	I	MULTI CONTROL ROTARY ENCODER (EC16B 1220 400A) PHASE A
4	AVss	-	A/D power supply (GND)
5	SDATA	I/O	8/16 bit system serial DATA
6	SBUSY	I/O	8/16 bit system serial BUSY
7	AV	I	VDD D/A reference voltage (+5V)
8	FD CE	O	FL DRIVER IC (LC75711E) control CE
9	OSD DMUTE	O	OSD IC (UPD6452GT-603) control MUTE
10	SYNC DET	I	OSD IC (UPD6452GT-603) control SYNC
11	NC	I	Unused
12	FD.OSD DATA	O	FL DRIVER IC (LC75711E) OSD IC (UPD6452GT-603) control DATA
13	FD.OSD CLK	O	FL DRIVER IC (LC75711E) OSD IC (UPD6452GT-603) control CLOCK
14	OSD STB	O	OSD IC (UPD6452GT-603) control STROBE
15	OSD BUSY	I	OSD IC (UPD6452GT-603) control BUST
16	TR RDY	I	SUB μ -COM Communication READY
17	TR DT	O	SUB μ -COM Communication DATA
18	TR CK	O	SUB μ -COM Communication CLOCK
19	TR REQ	O	SUB μ -COM Communication REQUEST
20	TR ST	O	SUB μ -COM Communication STROBE
21	TR RST	O	SUB μ -COM Communication RESET
22	NC	O	Unused
23	T MUTE	O	Tuner control MUTE H:OFF L:ON
24	PLL CE	O	PLL IC(LC7218) control CE
25	PLL DI	O	PLL IC(LC7218) control DATA
26	PLL CL	O	PLL IC(LC7218) control CLOCK
27	PLL DO	I	PLL IC(LC7218) DO input
28	STEREO	I	TUNER STEREO input
29	SD	I	TUNER SD input
30	CH.SPACE	I	CHANNEL SPACE SW destination detect
31	SUB WOOFER	I	SUB WOOFER SPEAKER ON/OFF SW detect
32	SEPA./INTE.	I	AMP SEPARATED/INTEGRATED SW destination detect
33	Vss	-	GND
34	PROTECT	I	PROTECTION detect (from sub μ -com) H:ON L:OFF
35~38	NC	I	Unused
39	P.STANDBY	O	Power standby LED control
40~43	NC	I	Unused
44~51	KR0~KR7	I	KEY RETURN H:ON L:OFF
52~58	KS0~KS6	O	KEY SCAN H:ON L:OFF
59	NC	I	Unused
60	RESET	I	RESET detection H:OTHERS L:RESET
61	REMOCON	I	REMOCON
62	CE	I	BACK UP detection H:OTHERS L:BACK UP
63	RDS DATA	I	RDS IC DATA
64	RDS CLOCK	I	RDS IC CLOCK
65	RDS START	I	RDS IC START
66	RDS RESET	O	RDS IC control RESET

CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description
67	RDS ATT	O	RDS IC control ATT
68	VDD	-	μ-com power supply (+5)
69	X2	-	4.19 MHz oscillator
70	X1	I	4.19 MHz oscillator
71	Vss	-	GND
72	NC	-	Unused (GND)
73	NC	-	GND
74	AVDD	-	A/D analog power supply
75	AVrefo	-	A/D reference voltage
76	S.LEVEL	I	TUNER S.LEVEL
77	NC	I	Unused
78	SELECTOR B	I	MULTI CONTROL ROTARY ENCODER (EVQ WP8 F20 12B) PHASE B
79	SELECTOR A	I	MULTI CONTROL ROTARY ENCODER (EVQ WP8 F20 12B) PHASE A
80	VOL.B	I	VOLUME ROTARY ENCODER (EVQ WP7 F20 24B) PHASE B

1.5 KEY MATRIX

(NO. of ○ : μ-Com pin No.)

	④④ KR0	④⑤ KR1	④⑥ KR2	④⑦ KR3	④⑧ KR4	④⑨ KR5	⑤⑩ KR6	⑤⑪ KR7
⑤② KS(N)	DSW0	DSW 1	DSW2	100k/50k	16bit/8bit	—	—	—
⑤③ KS0	VISUAL FIX	—	+10	5	STEREO	DISPLAY	BALANCE L	DIRECT
⑤④ KS1	TREBLE UP	—	0	4	LINE STRAIGHT	PTY	BALANCE R	MEMORY
⑤⑤ KS2	TREBLE DOWN	—	9	3	TAPE2	AF	MUTE	TUNING UP
⑤⑥ KS3	BASS UP	HOME THX CINEMA	8	2	Dolby Surround	MONO	CHANNEL MODE	TUNING DOWN
⑤⑦ KS4	BASS DOWN	SPEAKER B	7	1	Dolby 3 - Steleo	CENTER MODE	DELAY TIME	BAND
⑤⑧ KS5	TONE CONTROL	SPEAKER A	6	POWER	DSP LOGIC	TEST TONE	PRESENCE LEVEL	AUTO / MANUAL

(Destination select)

DSW · 1 · 2 : TUNER destination select

100 k / 50 k: PTY SEARCH 100 kHz / 50 kHz select

16 bit / 8 bit: SERIAL 16bit/8bit select

CIRCUIT DESCRIPTION

2. Conditions according to the destination and model

TUNER

Destination	DIODE SW (X11-)			BAND	Receiving Remarks	Channel Space	IF	Reference Frequency
	DSW2 D111	DSW1	DSW0 D110					
K1 (1700)	0	0	0	FM	87.5 MHz-108.0 MHz	100 kHz	+10.7 MHz	50 kHz
				AM	530 kHz-1700 kHz	10 kHz	+450 kHz	10 kHz
K2 (1610)	0	0	1	FM	87.5 MHz-108.0 MHz	100 kHz	+10.7 MHz	50 kHz
				AM	530 kHz-1610 kHz	10 kHz	+450 kHz	10 kHz
E1	0	1	1	FM	87.5 MHz-108.0 MHz	50 kHz	+10.7 MHz	50 kHz
				AM	531 kHz-1602 kHz	9 kHz	+450 kHz	9 kHz
E3 (RDS)	1	0	1	FM1	87.5 MHz-108.0 MHz	50 kHz	+10.7 MHz	50 kHz
				AM	531 kHz-1602 kHz	9 kHz	+450 kHz	9 kHz
M	0	X	1	K2/E1 changes by only setting "DSW1"(DSW1 = 0: K2 Type, 1: E1 type)				

*DIODE SW (DSWX): 0= Without DIODE (when static, input LOW)

1= With DIODE (when static, input HIGH)

X= TRANSISTOR SW (0= OFF 1= ON)

2.1 Test mode

(1) Setting method

While pressing the TUNING DOWN key, plug the power cord to the AC wall outlet.

When the test mode is entered, the FL tube display all lights.

(2) Key and functions valid in test mode.

Input key	Function
V.FIX	Each time the key is pressed, the FL test mode alternates with auto. → FLL all lights mode → Grid test mode → Segment test mode → Turn off display
BALANCE L	Each time the key is pressed, the BALANCE level alternates. L. MAX ↔ CENTER
BALANCE R	Each time the key is pressed, the BALANCE level alternates. CENTER ↔ R MAX
when the following key is pressed, the FL tube display turn on [TONE].	
BASS UP	Each time the key is pressed, the BASS level alternates. → MAX(+8dB) → 0dB → MIN(-8dB) →
BASS DOWN	Each time the key is pressed, the VOLUME CONTROL level alternates. → MAX(+16dB) → 0dB → MIN(- dB) →
TREBLE UP	Each time the key is pressed, the TREBLE level alternates. → MAX(-8dB) → 0dB → MIN(-∞ dB) →
When the following Key is pressed, the FL tube display turn on [THX], [PROLOGIC], [3STEREO], [DSP LOGIC]. Then round the MULTI CONTROL knob.	
DELAY TIME	The delay time alternates. (THX, PROLOGIC, DSP LOGIC) → MAX(30ms) → CENTER(20ms) → MIN(15ms) →
CHANNEL LEVEL	The channel level alternates. (THX, PROLOGIC, 3 STEREO, DSP LOGIC) → MAX(+12dB) → 0dB → MIN(-12dB) →
EFFECT LEVEL	The effect level alternates. (DSP LOGIC) → MAX(5) → 3 → MIN(1) →

(3) Method of cancelling the test mode

While pressing the POWER key, plug the power cord to the AC wall outlet.

KR-X1000/(G)

CIRCUIT DESCRIPTION

3. Sub microprocessor : μ PD78053GC-059 (X13:IC5)

3.1 BACK UP DATA

3.1.1 Initial setting

POWER ON/OFF : OFF
 MAIN VOLUME LEVEL : -45dB
 L/R BALANCE : CENTER
 SOUND INPUT-SELECTOR : TUNER
 VIDEO SIGNAL INPUT-SELECTOR : VIDEO1

SPEAKER A : ON
 SPEAKER B : OFF
 TAPE2/MONITOR : OFF
 LINE STRAIGHT : OFF
 DIMMER : OFF
 VISUAL FIX : OFF

OSD DISPLAY MODE : INFORMATION ON
 Dot Matrix DISPLAY MODE : INPUT SELECTOR

TONE CONTROL : DEFEAT
 TONE CONTROL BASS LEVEL : 0dB
 TONE CONTROL TREBLE LEVEL : 0dB

SURROUND MODE : BYPASS
 HOME THX CINEMA-DOLBY PRO LOGIC
 •DOLBY 3-STEREO•DSP LOGIC
 CENTER MODE : WIDEBAND
 HOME THX CINEMA•DOLBY PRO LOGIC
 DELAY TIME : 20 msec
 DSP LOGIC DELAY TIME : 20 msec
 INPUT LEVEL : 0dB
 ROOM SIZE : 2
 EFFECT LEVEL : 2
 WALL : 2
 FRONT Lch VOLUME LEVEL : 0dB
 FRONT Rch VOLUME LEVEL : 0dB
 CENTER VOLUME LEVEL : 0dB
 REAR Lch VOLUME LEVEL : 0dB
 REAR Rch VOLUME LEVEL : 0dB
 SUB WOOFER VOLUME LEVEL : 0dB
 TEST TONE : OFF

DECK REC DETECT PLAG : NOT REC
 CCRS DETECT PLAG : NOT CCRS
 TUNER MONO : OFF
 TUNING MODE : AUTO
 PRESET MEMORY : TEST PRESET
 FREQUENCY
 LAST BAND : FM
 FM LAST Frequency : 87.5MHz
 AM.MW LAST Frequency : CH SPACE 9K:531kHz
 : CH SPACE 10K:530kHz

LAST P.ch : [--ch]
 PTY SELECT MODE : OFF
 PTY SEARCH MODE : OFF
 AF SEARCH MODE : OFF
 RDS DISPLAY MODE : FREQUENCY
 DISPLAY MODE

3.1.2 TEST RESET FREQUENCY

CH	K1 TYPE		K2 TYPE		E TYPE	
	BAND	FREQ- UENCY	BAND	FREQ- UENCY	BAND	FREQ- UENCY
1	FM	87.50	FM	57.50	FM	87.50
2	FM	98.00	FM	98.00	FM	98.00
3	FM	108.00	FM	108.00	FM	108.00
1	AM	630	AM	630	AM	630
5	AM	990	AM	900	AM	990
6	AM	1440	AM	1440	AM	1440
7	FM	87.50	FM	87.50	FM	87.50
6	FM	87.50	FM	87.50	FM	87.00
0	FM	87.50	FM	87.50	FM	87.50
10	FM	89.10	FM	89.10	FM	89.10
11	FM	88.00	FM	88.00	FM	88.00
12	FM	90.00	FM	90.00	FM	90.00
13	FM	97.50	FM	97.50	FM	97.50
14	FM	98.60	FM	98.50	FM	98.60
15	FM	106.00	FM	106.00	FM	106.00
16	AM	530	AM	530	KM	531
17	AM	1000	AM	1000	AM	999
18	AM	1700	AM	1610	AM	1602
19	FM	96.30	FM	96.30	FM	96.30
20	FM	107.00	FM	107.00	FM	107.00
21~40	FM	87.50	FM	87.50	FM	87.50

Frequency unit FM : MHz
 AM : kHz

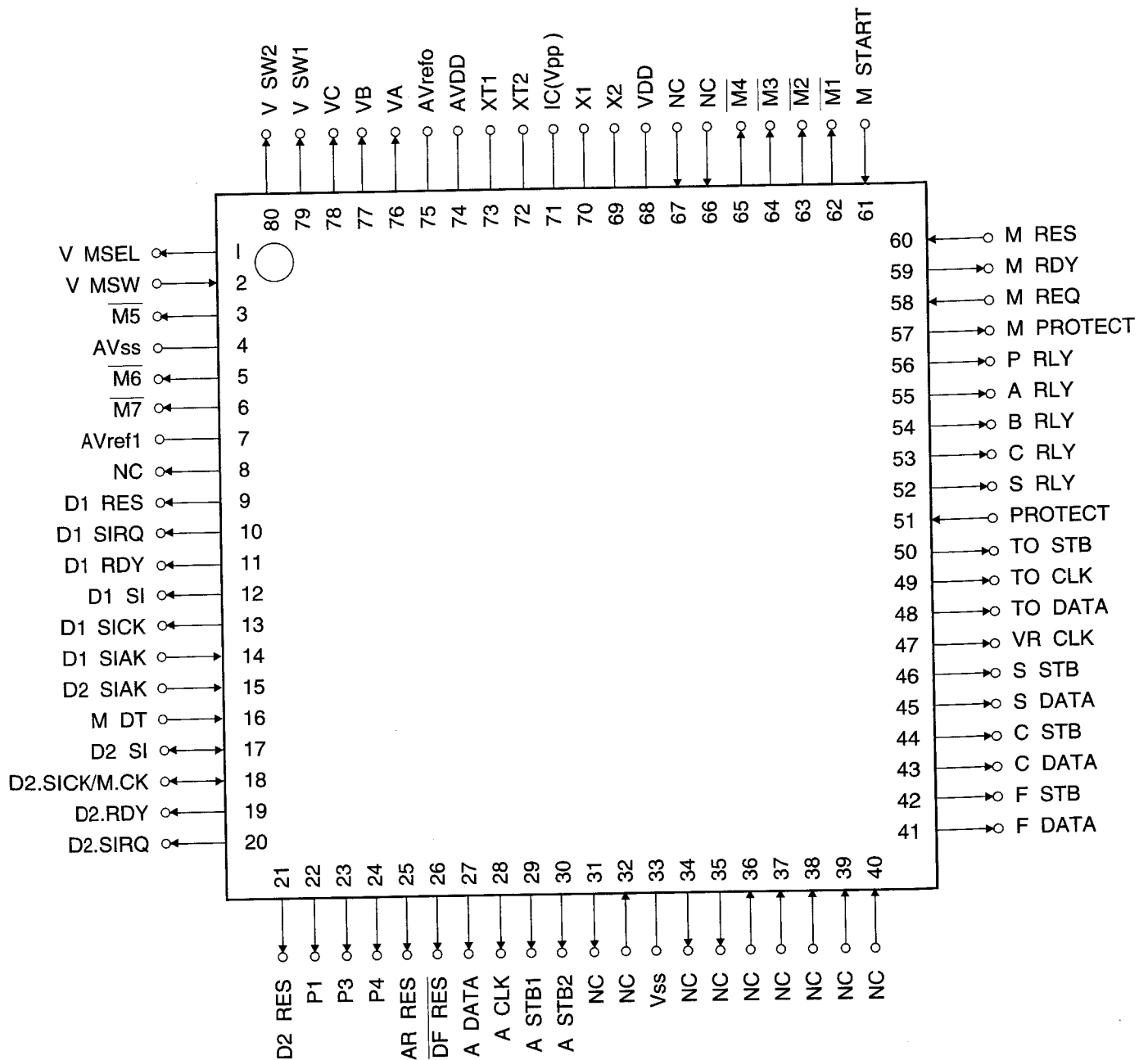
The initial setting is performed in a following event:

1. When back up memory data is destroyed when reset is applied to the microprocessor.
2. When the power cord is plugged in to the AC wall while pressing to POWER key.

CIRCUIT DESCRIPTION

4. Sub microprocessor : μ PD78053GC-059 (X13 : IC5)

4.1 Pin connection



CIRCUIT DESCRIPTION

4.2 Pin function

Pin No.	Pin Name	I/O		Description
1	V MSEL	O	P.U	MONITOR SEL IC (TC405S) control
2	V MSW	I	-	MONITOR SW H: COMPOSITE L: S-terminal
3	M5	O	P.D	MONITOR MUTE
4	AVss	-	GND	A/D REFERENCE VOLTAGE
5	M6	O	P.D	VIDEO REC MUTE1
6	M7	O	P.D	VIDEO REC MUTE2
7	AVref1	-	VDD	A/D REFERENCE VOLTAGE
8	NC	O	P.D	NO USE
9	D1 RES	O	-	DSP IC (LC83016) RESET
10	D1 SIRQ	O	P.U	DSP IC (LC83016) REQUEST
11	D1 RDY	O	P.U	DSP IC (LC83016) REDEY
12	D1 SI	O	P.U	DSP IC (LC83016) DATA
13	D1 SICK	O	P.U	DSP IC (LC83016) CLOCK
14	D1 SIAK	I	P.D	DSP IC (LC83016)
15	D2 SIAK	I	P.D	DSP IC (LC83017)
16	MDT	I	P.U	Main μ -Com DATA
17	D2 SI	I/O	P.U	DSP IC (LC83017) DATA
18	D2.SICK/MCK	I/O	P.U	DSP IC (LC83017) CLOCK
19	D2 RDY	O	P.U	DSP IC (LC83017) REDEY
20	D2 SIRQ	O	P.U	DSP IC (LC83017) REQUEST
21	D2 RES	O	-	DSP IC (LC83017) RESET
22	P1	O	-	DSP IC (LC83017) Port P1 DATA
23	P3	O	-	DSP IC (LC83017)
24	P4	O	-	DSP IC (LC83017) Port P4 DATA
25	AD RES	O	-	A/D RESET
26	DF RES	O	-	Digital filter RESET
27	A DATA	O	-	Selector IC (TC9162,TC9163,TC9164)DATA INPUT SEL,INPUT LEVEL IC (TC9162,TC,9163,TC9164)DATA
28	A CLK	O	-	Selector IC(TC9162,TC9163,TC9164)DATA INPUT SEL,INPUT LEVEL IC (IC9162,TC9163,TC9164)CLOCK
29	A-STB1	O	-	INPUT SEL. INPUT LEVEL IC INPUT SEL,INPUT LEVEL IC (TC9162,9163,9164) STB (TC9162,9163,9164)STROBE
30	A STB2	O	-	MODE SEL IC MODEL SEL IC(TC9162TC9162,TC9163, TC9163) STROBE
31	NC	O	P.U	NO USE
32	NC	I	P.D	NO USE
33	Vss	-	GND	GND
34	NC	O	P.V	NO USE
35	NC	O	P.D	NO USE
36	NC	I	P.U	NO USE
37	NC	I	P.U	NO USE
38	NC	I	P.U	NO USE
39	NC	I	P.U	NO USE
40	NC	I	P.U	NO USE
41	F DATA	O	-	FRONT VOL IC (TC9213P)
42	F STB	O	-	FRONT VOL IC (TC9213P) STROBE
43	C DATA	O	-	CENTER (TC9213P) DATA
44	C STB	O	-	CENTER (TC92123P) STROBE
45	S DATA	O	-	SURROUND VOL IC(TC9213P) DATA
46	S STB	O	-	SURROUND VOL IC(TC9213P) STROBE
47	VR CLK	O	-	VOL IC (TC9213P) CLOCK

CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O		Description
48	TO DATA	O	-	TONE IC(TC9184P) DATA
49	TO CLK	O	-	TONE IC(TC9184P) DATA
50	TO STB	O	-	TONE IC(TC9184P) STROBE
51	PROTECT	I	-	PROTECTION DETECT
52	S RLY	O	P. D	Sch RELAY
53	C RLY	O	P. D	Cch RELAY
54	B RLY	O	P. D	Fch B RELAY
55	A RLY	O	P. D	Fch A RELAY
56	P RLY	O	P. D	POWER RELAY
57	M ROTEC	O	-	PROTECTION to main μ -Com
58	M REQ	I	P. D	Main μ -Com REQUEST
59	M RDY	O	P. U	Main μ -Com REDEY
60	M RES	I	P. D	Main μ -Com RESET
61	M START	I	P. D	Main μ -Com START
62	M1	O	P. U	Fch MUTE
63	M2	O	P. U	Cch MUTE
64	M3	O	P. U	SUPER WOOFER MUTE
65	M4	O	P. U	Sch MUTE
66	NC	I	P. D	NO USE
67	NC	I	P. D	NO USE
68	VDD	-	-	+5V
69	X2	-	-	4.19MHz
70	X1	-	-	4.19MHZ
71	IC(Vpp)	-	-	GND
72	XT2	-	OPEN	NO USE
73	XT1	-	GND	NO USE
74	AVDD	-	VDD	NO USE
75	AVrefo	-	GND	NO USE
76	VA	O	P.U	VIDEO SEL IC (TC4051) control
77	VB	O	P.D	VIDEO SEL IC (TC4051) control
78	VC	O	P.U	VIDEO SEL IC (TC4051) control
79	V SW1	O	P.U	VIDEO REC IC (NJM2297) control
80	V SW2	O	P. U	VIDEO REC IC (NJM2297) control

CIRCUIT DESCRIPTION

4.3 SELECTOR IC

4.3.1 AUDIO INPUT

○ : SW ON * : Refer to INPUT LEVEL

SW MODE		(X08:IC2)TC9162N							(X08:IC4)TC9163N								(X08:IC3)TC9164N							
		S1	S2	S3	S4	S5	S6	S7	S1	S2	S3	S4	S5	S6	S7	S8	S1	S2	S3	S4	S5	S6	S7	S8
TAPE2 OFF	CD		○			○		○							○	○		○			*	*	*	*
	PHONO					○	○	○							○	○		○			*	*	*	*
	TUNER	○				○		○							○	○		○			*	*	*	*
	TAPE1				○	○									○	○		○			*	*	*	*
	AUX			○		○		○							○	○		○			*	*	*	*
	VIDEO1					○		○							○			○			*	*	*	*
	VIDEO2					○		○					○			○		○			*	*	*	*
	VIDEO3					○		○				○				○	○		○		*	*	*	*
	VIDEO4					○		○			○					○	○		○		*	*	*	*
	VIDEO5					○		○	○							○	○		○		*	*	*	*

SW MODE		(X08:IC2)TC9162N							(X08:IC4)TC9163N								(X08:IC3) TC9164N								
		S1	S2	S3	S4	S5	S6	S7	S1	S2	S3	S4	S5	S6	S7	S8	S1	S2	S3	S4	S5	S6	S7	S8	
TAPE2 ON	CD		○					○							○	○	○					*	*	*	*
	PHONO						○	○							○	○	○					*	*	*	*
	TUNER	○						○							○	○	○					*	*	*	*
	TAPE1				○										○	○	○					*	*	*	*
	AUX			○				○							○	○	○					*	*	*	*
	VIDEO1							○						○	○		○					*	*	*	*
	VIDEO2							○					○			○	○					*	*	*	*
	VIDEO3							○				○			○	○	○					*	*	*	*
	VIDEO4							○			○				○	○	○					*	*	*	*
	VIDEO5							○	○						○	○	○	○					*	*	*

4.3.2 VIDEO INPUT

		(X14:IC5~7) TC4051BP			(X14:IC10,11) TC4053BP			(X14:IC8) NJM2279D				(X14:IC9) NJM2279D			
		⑨	⑩	⑪	⑨	⑩	⑪	② SW1, ⑬ SW2		⑪ 7MUTE1, ④ MUTE2		②SW1, ⑬SW2		⑪ MUTE1, ④ MUTE2	
		C	B	A	C	B	A	(V SW1)		(M6)		(V SW2)		(M7)	
C	VIDEO1	L	L	H	H	H	H	H		L		L		H	
	VIDEO2	L	L	L	H	H	H	L		H		H		L	
	VIDEO3	L	H	H	H	H	H	L		H		L		H	
	VIDEO4	H	L	H	H	H	H	L		H		L		H	
	VIDEO5	L	H	L	H	H	H	L		H		L		H	
S	VIDEO1	L	L	H	L	L	L	N		L		L		H	
	VIDEO2	L	L	L	L	L	L	L		H		H		L	
	VIDEO3	L	H	H	L	L	L	L		H		L		H	
	VIDEO4	H	L	H	L	L	L	L		H		L		H	
	VIDEO5	L	H	L	L	L	L	L		H		L		H	

CIRCUIT DESCRIPTION

4.3.3 INPUT LEVEL

○ : SW ON

				(X11:IC1)TC9163N								
				S1	S2	S3	S4	S5	S6	S7	S8	
※ I N T E G R A T E D	STEREO	SP B	ON						○			
			OFF					○				
		TONE	ON								○	
			OFF									○
		SUB WOOFER	ON	○								
			OFF		○							
	LINE STRAIGHT ON	SP B	ON					○				
			OFF				○					
		SUB WOOFER	ON	○								
			OFF		○							
	THX						○		○			○
	PRO LOGIC						○		○			○
3 STEREO						○		○			○	
DSP LOGIC						○		○			○	
MONO						○		○			○	
※ S E P A R A T E D	STEREO	TONE	ON								○	
			OFF									○
		SUB WOOFER	ON	○								
			OFF		○							
	LINE STRAIGHT ON	SUB WOOFER	ON	○								
			OFF		○							
	THX						○		○			○
	PRO LOGIC						○		○			○
	3 STEREO						○		○			○
	DSP LOGIC						○		○			○
	MONO						○		○			○

※Decide INTEGRATED or SEPARATED with the rear panel sw(X11:S2)

※Speakers B doesn't turn on with SEPARATE

4.3.4 INPUT LEVEL

○ : SW ON * : Refer to AUDIO INPUT

	(X08:IC3) TC9164N							
	S1	S2	S3	S4	S5	S6	S7	S8
0dBs	*	*			○			
-2dB	*	*				○		
-4dB	*	*					○	
-6dB	*	*						○

4.4 MUTE

4.4.1 MUTE

In the following are shown the conditions to be taken into consideration for MUTE control:

- There is no difference of MUTE control between the separated mode and the integrated mode.
- When "3 STEREO" is used, S-MUTE shall be activated.
- When 2 ch. (STEREO and LINE STRAIGHT) are used, C-and S-MUTE shall be activated
- When the SUB WOOFER SW is OFF, SUB WOOFER MUTE shall be activated.
- When the PHANTOM is used. C-MUTE shall be activated.
- In the separated mode, the SP B cannot be turned ON.

- When the SP B is turned ON in the integrated mode, S-MUTE shall not be activated.
- when both SP A and B are OFF (i.e. when a headphone is used) in the integrated mode, SW MUTE is activated even if the SW switch has been turned ON, where:
 - S ch. shall be muted because it is not connected to the headphone jack;
 - C ch. will be adjusted to the center mode; and
 - F ch. shall not be muted because a headphone is used.
- When both SP A and B are OFF, both S-ch, and SW-ch, are muted to turn OFF the pre-out.
- When both SP A and B are OFF in the separated mode, S-ch. and SW-ch. MUTE are controlled as usual so that the pre-out will not be turned OFF.
- Since the audio from the headphone was initially created in the F.C.SW (No "S"), there was a problem that it sounded differently by the setting of the SW-ch. (ON or OFF) both in the integrated mode and in the separated mode when SP A and B are OFF. However, this problem has been finally solved by adding two-stage MUTE to the circuit and by improving the software so that P-MUTE will not be activated in the MONO mode. In the following is shown the list of MUTE control.

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CIRCUIT DESCRIPTION

○ : MUTE ON

				F MUTE	C MUTE	S MUTE	SW MUTE
INTEGRATE SEPARATED	SP A ON SP B OFF	THX	SUB WOOFER				
		PRO LOGIC	SW ON				
		DSP LOGIC	SUB WOOFER				○
		(NORMAL, WIDE)	SW OFF				
		MONO	SUB WOOFER			○	
		(NORMAL, WIDE)	SW ON				
			SUB WOOFER			○	○
			SW OFF				
		THX	SUB WOOFER		○		
		PRO LOGIC	SW ON				
		DSP LOGIC	SUB WOOFER		○		○
		(PHANTOM)	SW OFF				
		MONO	SUB WOOFER		○	○	
		(PHANTOM)	SW ON				
			SUB WOOFER		○	○	○
			SW OFF				
		3 STEREO	SUB WOOFER			○	
			SW ON				
			SUB WOOFER			○	○
			SW OFF				
		STEREO, LINE STRAIGHT	SUB WOOFER		○	○	
			SW ON				
			SUB WOOFER		○	○	○
			SW OFF				

CIRCUIT DESCRIPTION

4.4.2 SPEAKERS RELAY

IN the following are whom the conditions to be taken in to consideration for SPEAKERS RELAY control.

. B RELAY turn on INTEGRATED of 2ch (STEREO, LINE STRAIGHT ON) mode only

○ : RELAY ON

			A RELAY	B RELAY	C RELAY	S RELAY
INTEGRATED	SP A ON SP B OFF	STEREO				
		LINE STRAIGHT ON	○		○	○
		OTHER	○		○	○
	SP A OFF SP B ON	STEREO				
		LINE STRAIGHT ON		○	○	
	SP A ON SP B ON	STEREO				
SEPARATED	SP A ON SP B OFF	LINE STRAIGHT ON	○		○	○
		OTHER	○		○	○
		STEREO				
	SP A OFF SP B OFF	LINE STRAIGHT ON	○	○	○	
		OTHER				
		STEREO				

4.4.3 TONE CONTROL

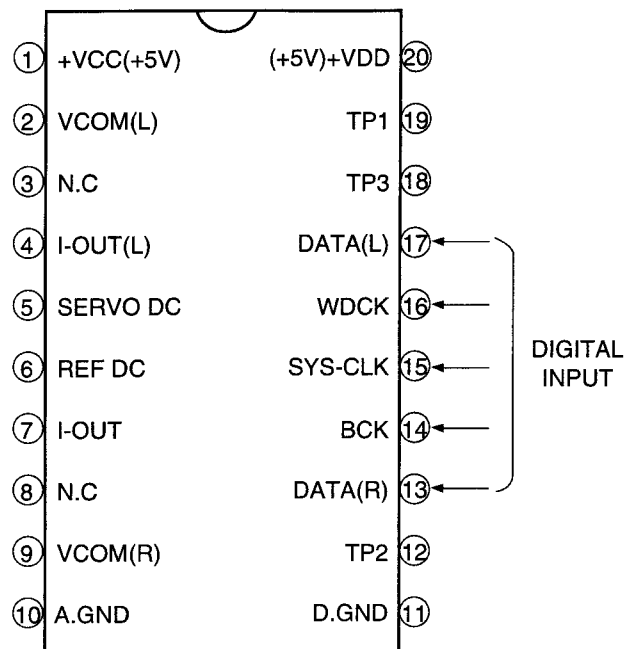
BASS									
FL display	-8	-6	-4	-2	0	+2	+4	+6	+8
ATTENUATOR[dB]	-10	-8	-6	-2	0	-4	-6	-8	-10

TREBLE									
FL display	-8	-6	-4	-2	0	+2	+4	+6	+8
ATTENUATOR[dB]	-12	-10	-8	-6	0	+6	+8	+10	+12

CIRCUIT DESCRIPTION

5. D/A Convertor : PCM69AV(X08 : IC 27~29)

5.1 Pin connection



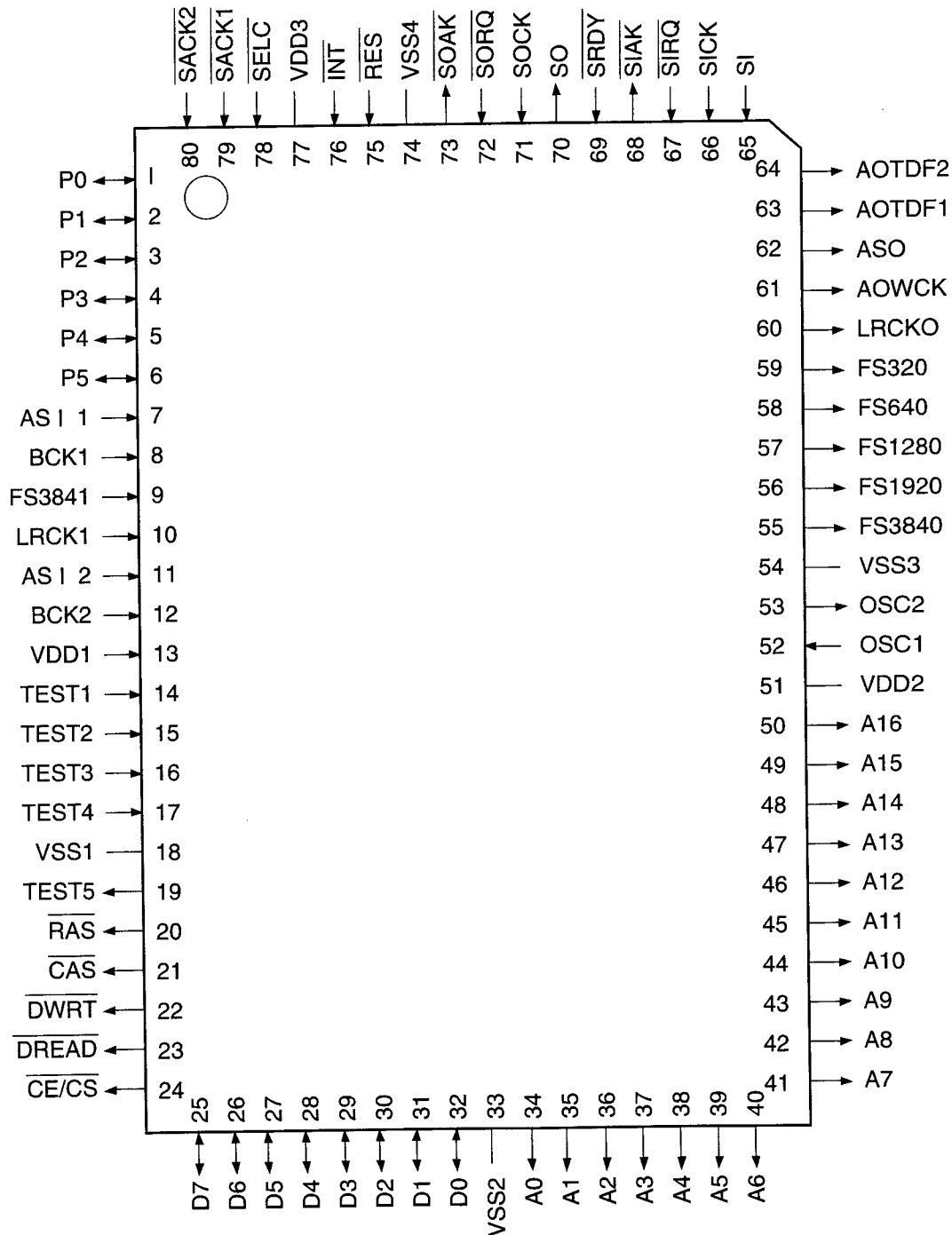
5.2 Pin function

PIN NO.	PIN NAME	I/O	FUNCTION	PIN NO.	PIN NAME	I/O	FUNCTION
1	+Vcc		Analog(+)power supply	11	D.GND		Digital common(GND)
2	VCOM(L)		L-ch V-common	12	TP2		Test pin 2
3	N.C			13	DATA(R)	I	R-ch data input
4	I-OUT(L)	O	L-ch current output	14	BCK	I	Bit clock input
5	SERVO DC		Servo Filter	15	SYS-CLK	I	System clock input
6	REF DC		Reference filter	16	WDCK	I	Word clock input
7	I-OUT(R)	O	R-ch current output	17	DATA(L)	I	L-ch data input
8	N.C			18	TP3		Test pin 3
9	V COM(R)		R-ch V-common	19	TP1		Test pin 1
10	A.GND		Analog, common(GND)	20	+VDD		Digital (+)power supply

CIRCUIT DESCRIPTION

6. DSP IC : LS83016JE (X08 : IC41) , LS83017JE (X08 : IC42)

6.1 Pin connection



CIRCUIT DESCRIPTION

6.2 Pin function

Pin No.	Pin Name	I/O	Description		
1~6	P0~P5	I/O	Input/Output port(Inside pull up resister)		
7	AST1	I	Audio serial data input 1		
8	ASI1	I	ASI1 bit clock input (64fs or 32fs)		
9	FS3841	I	384fs or 512fs input		
10	LRCK1	I	L/R channel discrimination signal input	H:Lch	L:Rch
11	ASI2	I	Audio serial data input 2		
12	BCK2	I	ASI 2 bit clock input (64fs or 32fs)		
14~17	TEST1~4	I	Test pin (GND)		
19	TEST5	O	Test output (open)		
20	RAS	O	DRAM RAS signal output		
21	CAS	O	DRAM CAS signal output		
22	DWRT	O	Memory access data write signal		
23	DREAD	O	Memory access data read signal		
24	CE/CS	O	CE signal output the SRAM		
25~32	D7~D0	I/O	Memory IC data input/output (DRAM 1pc used:D3-D0) DRAM 2pcs,or SRAM used:D7-D0		
34~50	A0~A16	O	Address output to Memory IC		
52	OSC1	I	Crystal oscillator		
53	OSC2	O	Crystal oscillator		
55	FS3840	O	384fs or 512fs output (through output of FS3841 or self oscillator clock)		
56	FS1920	O	192fs or 256 fs output (1/2 divided f of FS3840)		
57	FS1280	O	128fs output (1/3 or 1/4 divided f of FS3840)		
58	FS640	O	64fs or 32fs output(through output with 1/2 divided f of FS1280 or BCK1)		
59	FS320	O	32fs or 16fs output (1/2 divided f of FS640)		
60	LRCKO	O	1fs output [through output with 1/64 divided f1(=frequency) of FS640 or LRCK1]		
61	AOWCK	O	2fs or 1fs output (output with 1/32 divided f)		
62	ASO	O	Audio serial data output 1		
63	AOTDF1	O	Audio serial data output 2		
64	AOTDF2	O	Audio serial data output 3		
65	SI	I	Serial data input (8bit)from μ -Com	DSP $\updownarrow$ μ-Com interface	
66	SICK	I	SI serial clock input		
67	SIRQ	I	SI serial request signal input		
68	SIACK	O	Output signal to indicate that the SI serial communication is executing		
69	SRDY	I	input signal to indicate that the mail box communication is finished		
70	SO	O	Serial data output (8bit) from μ -com		
71	SOCK	I	SO serial clock input		
72	SORQ	I	SO request signal input		
73	SOACK	O	Output signal to indicate that the SO serial communication is executing		
76	INT	I	Unused		
75	RES	I	RESET (inside pull up resister)		
78	SELC	I	Self oscillation and external clock input switching (inside pull up resister)	H:self OSC	L:FS3841
79	SACK1	I	FS3840 1/3 divided or 1/4 divided output switching to FS3840 (inside pull up resistor)	H:1/3 divided	L:1/4 divided
80	SACK2	I	Self oscillation and external (FS3841,LRCK1,BCK1) clock input switching	H:self OSC	L:external
13,51,77	VDD 1,2,3		+5V Power supply		
18,33,54,74	VSS 1,2,3,4		GND		

ADJUSTMENT

ENGLISH(E, T TYPE)

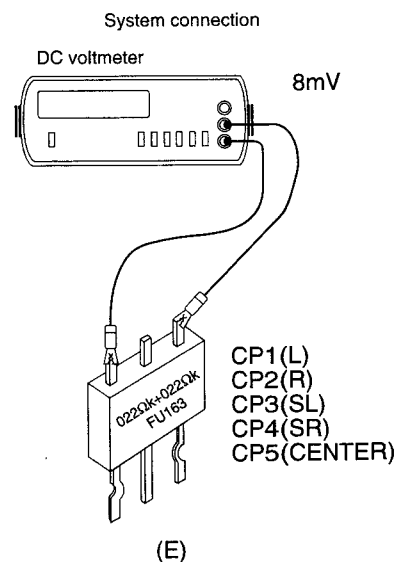
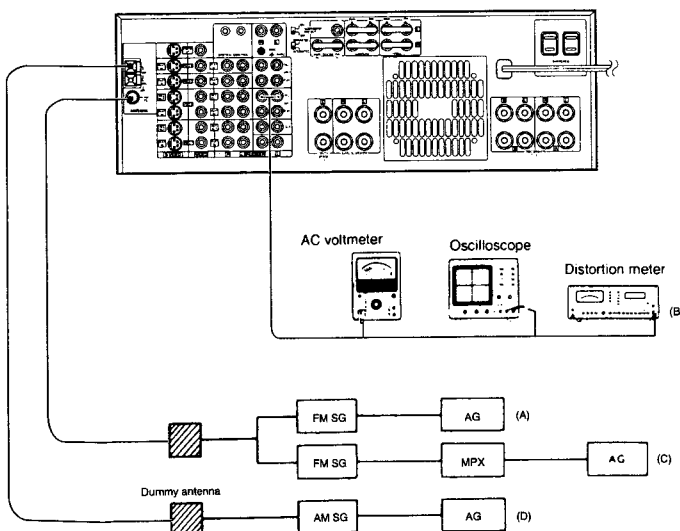
No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG
FM SECTION		SELECTOR:FM					
1	DISCRIMINATOR	(A) 98.0MHz 1 kHz,±40kHz dev. (E,T type) 60dBμ(ANT input)	Connect a DC voltmeter between TP3 and TP4 (X05-)	AUTO or MONO 98.0MHz	L3 (X05-)	0V	(a)
2	DISTORTION (STEREO)	(C) 98.0MHz 1kHz,±40kHz dev. Pilot:±6kHz dev. (E,T type) 60dBμ(ANT input)	(B)	AUTO 98.0MHz	IFT (W02-)	Minimum distortion.	(a)

[COMMON]

No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG
AUDIO SECTION		POWER : ON SPEAKER : A INPUT SELECTOR : PHONO					
<1>	OFF-SET VOLTAGE	-	Connect a DC voltmeter to each channel of speaker terminal(+,-).	-	Lch : VR1 Rch : VR2 SLch : VR5 SRch : VR6 Cch : VR9 (X14-)(A/3)	0±3mV	
<2>	IDLE IDLE CURRENT		(E) Connect a DC voltmeter across CP1(L) CP2(R) CP3(SL) CP4(SR) CP5(CENTER) (X07-)(A/5)	Volume:0	Lch : VR3 Rch : VR4 SLCH : VR7 SRCH : VR8 Cch : VR10 (X14-)(A/3)	8mV	(b)

(a)

(b)



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AJUSTES

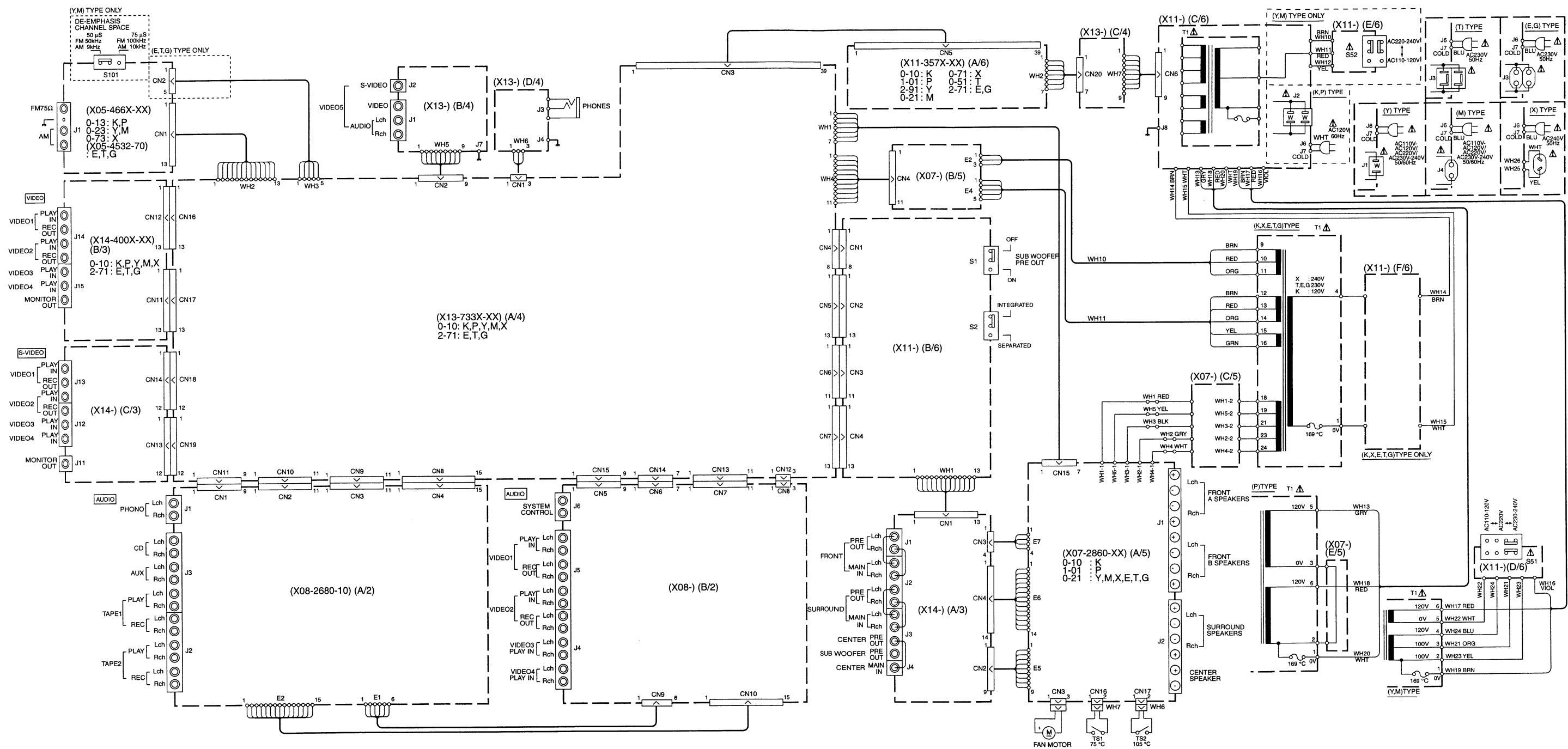
ESPAÑOL(E, T TYPE)

Núm.	ÍTEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL SINTONIZADOR	PUNTOS DE ALINEACIÓN	ALINEACIÓN PARA	FIG
SECCIÓN DE FM		SELECTOR:FM					
1	DISCRIMINATOR	(A) 98.0MHz 1 kHz,±40kHz dev. (E,T type) 60dBμ(Entrada de antena)	Conecte un voltímetro de CC entre TP3 y TP4 (X05-)	AUTO or MONO 98.0MHz	L3 (X05-)	0V	(a)
2	DISTORTION (ETÉREO)	(C) 98.0MHz 1kHz,±40kHzdev. Pilot:±6kHz dev. (E,Ttype) 60dBμ(Entrada de antena)	(B)	AUTO 98.0MHz	IFT (W02-)	Distorsión mínima	(a)

ESPAÑOL(COMMON)

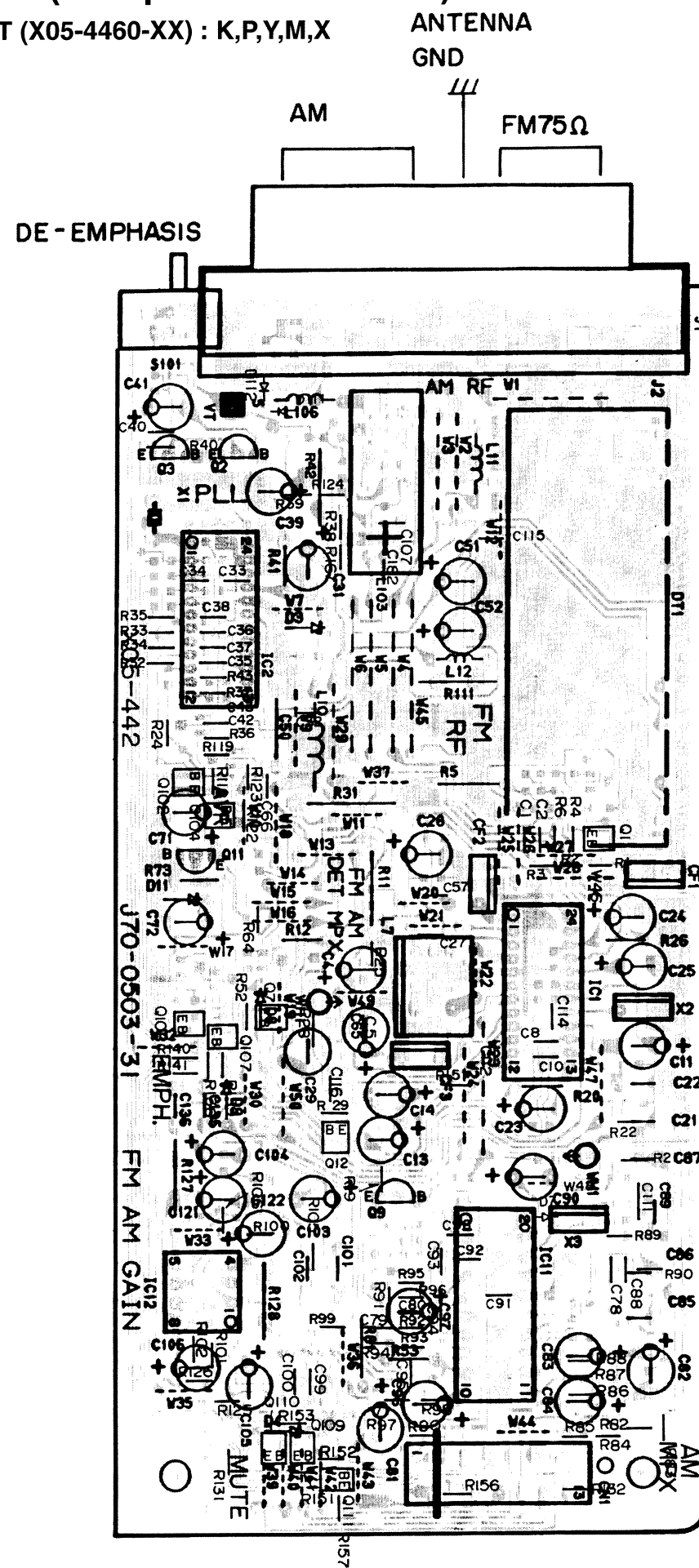
Núm.	ÍTEM	AJUSTES DE ENTRADA	AJUSTES DE SALIDA	AJUSTES DEL SINTONIZADOR	PUNTOS DE ALINEACIÓN	ALINEACIÓN PARA	FIG
A menos que se especifique otra cosa, los controles individuales deberán ajustarse de la forma siguiente:							
POWER:ON		SPEAKER:A		INPUT SELECTOR:PHONO			
<1>	TENSION CONTRAPUESTA	-	Conecte un voltímetro de CC a cada canal del terminal del altoparlants(+ o -).	-	Lch : VR1 Rch : VR2 SLch : VR5 SRch : VR6 Cch : VR9 (X14-)(A/3)	0±3mV	
<2>	OCIOSA CORRIENTE		Connect un voltímetro de DC entre CP1(L) y CP2(R) y CP3(S1) y CP4(SR) y CP5(CENTRO) (X07-)(A/5)	Volume:0	Lch : VR3 Rch : VR4 SLCH : VR7 SRCH : VR8 Cch : VR10 (X14-)(A/3)	8mV	(b)

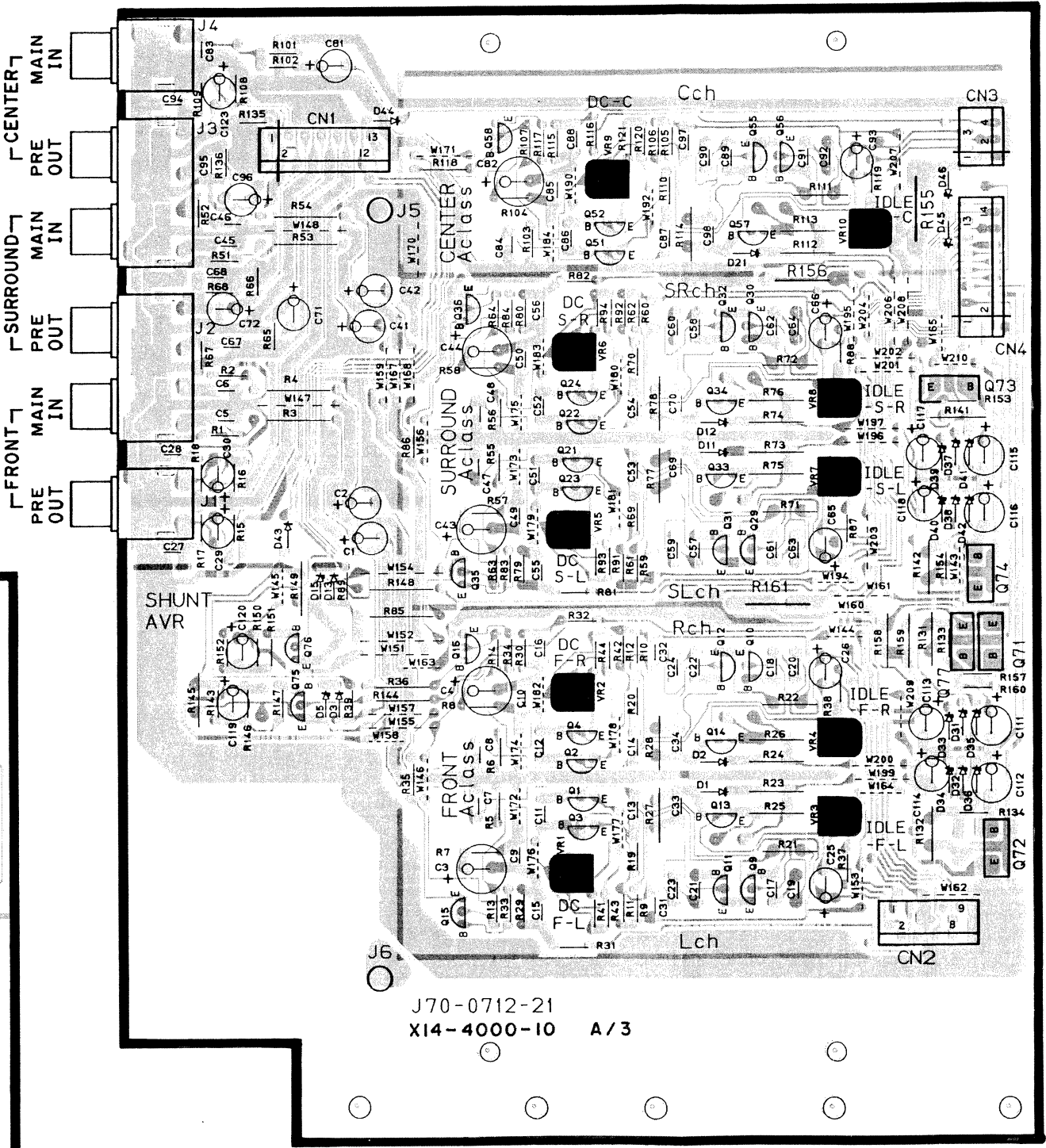
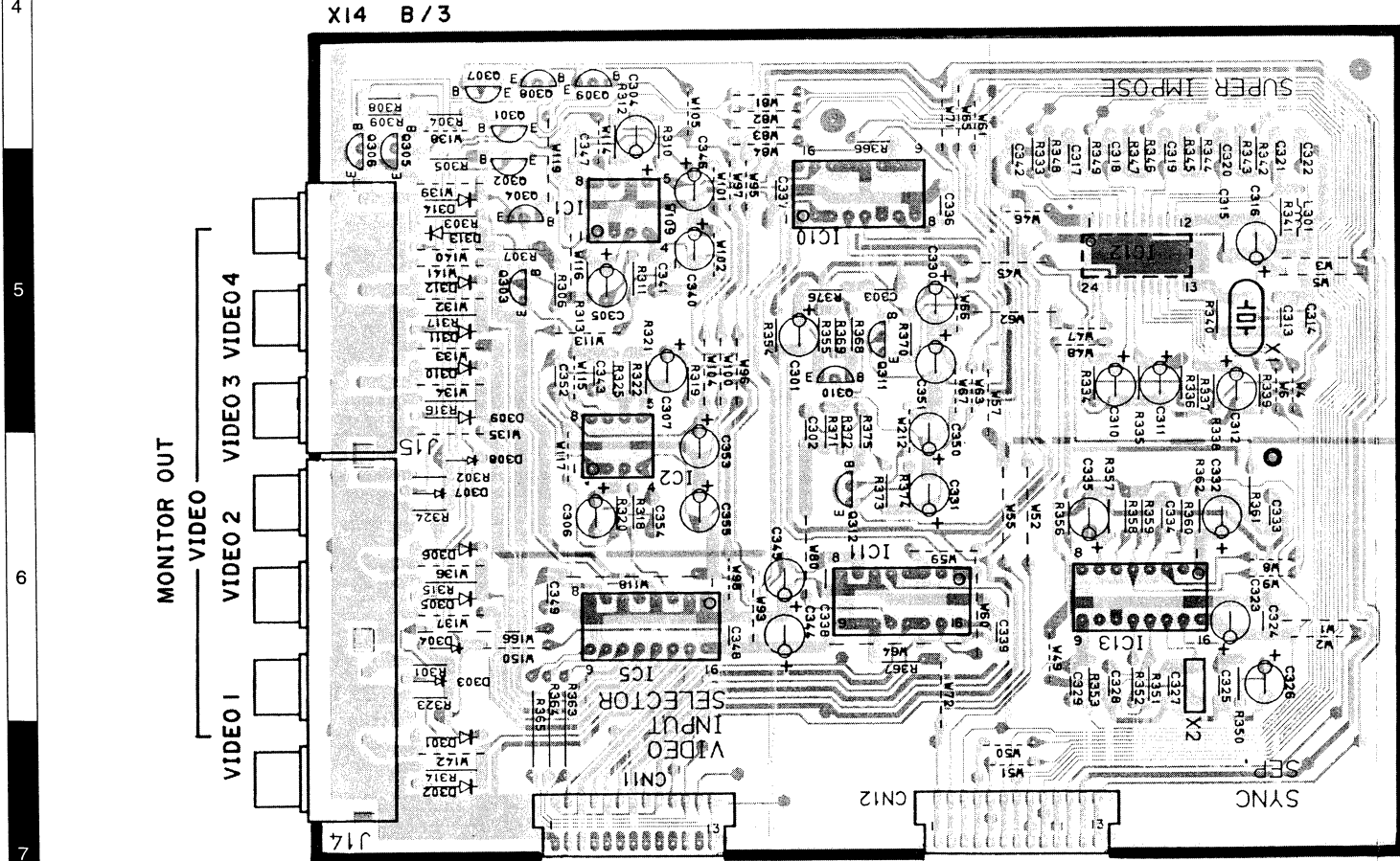
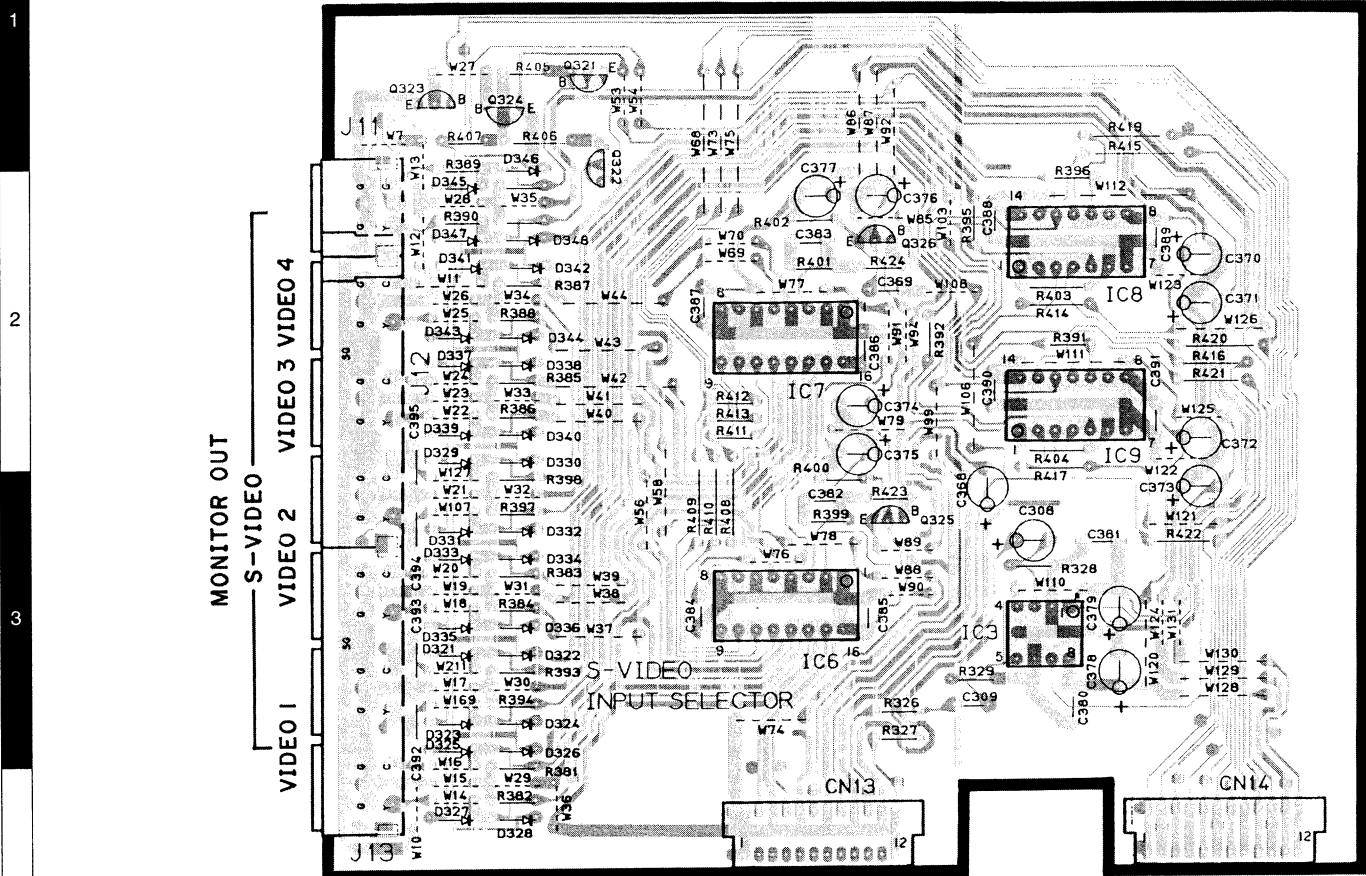
WIRING DIAGRAM



PC BOARD(Component side view)

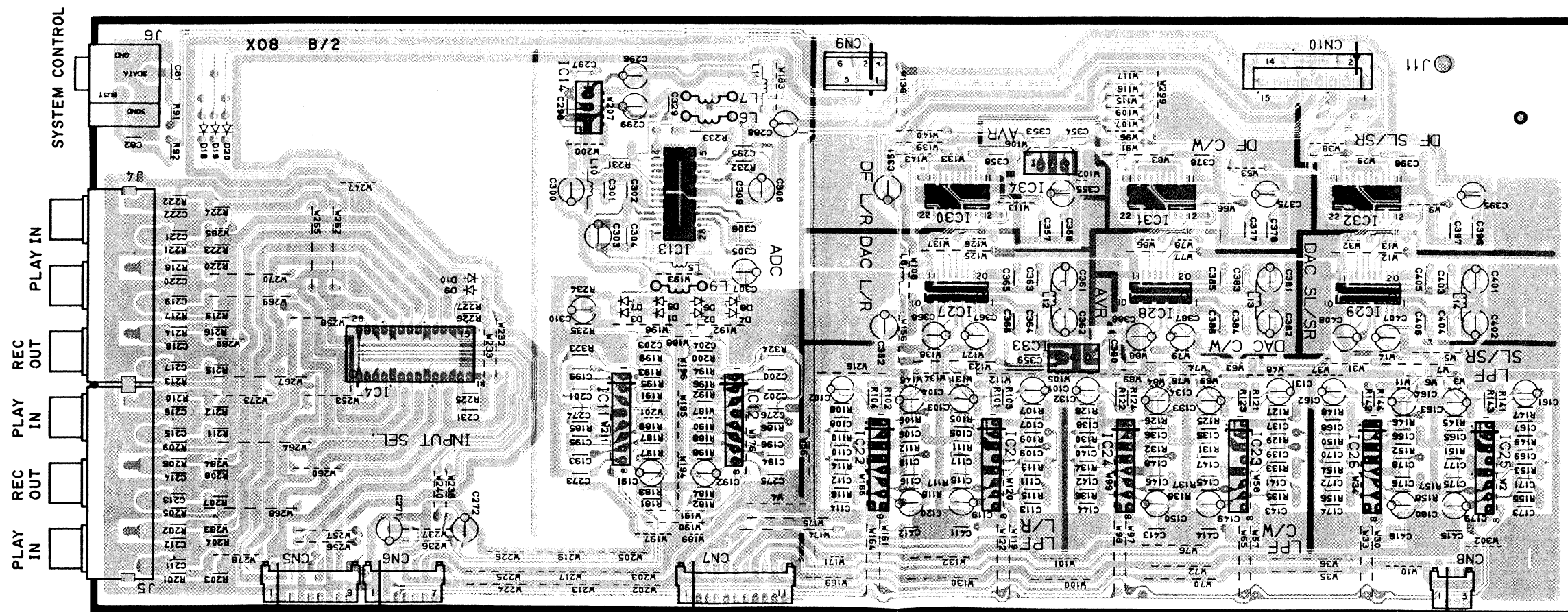
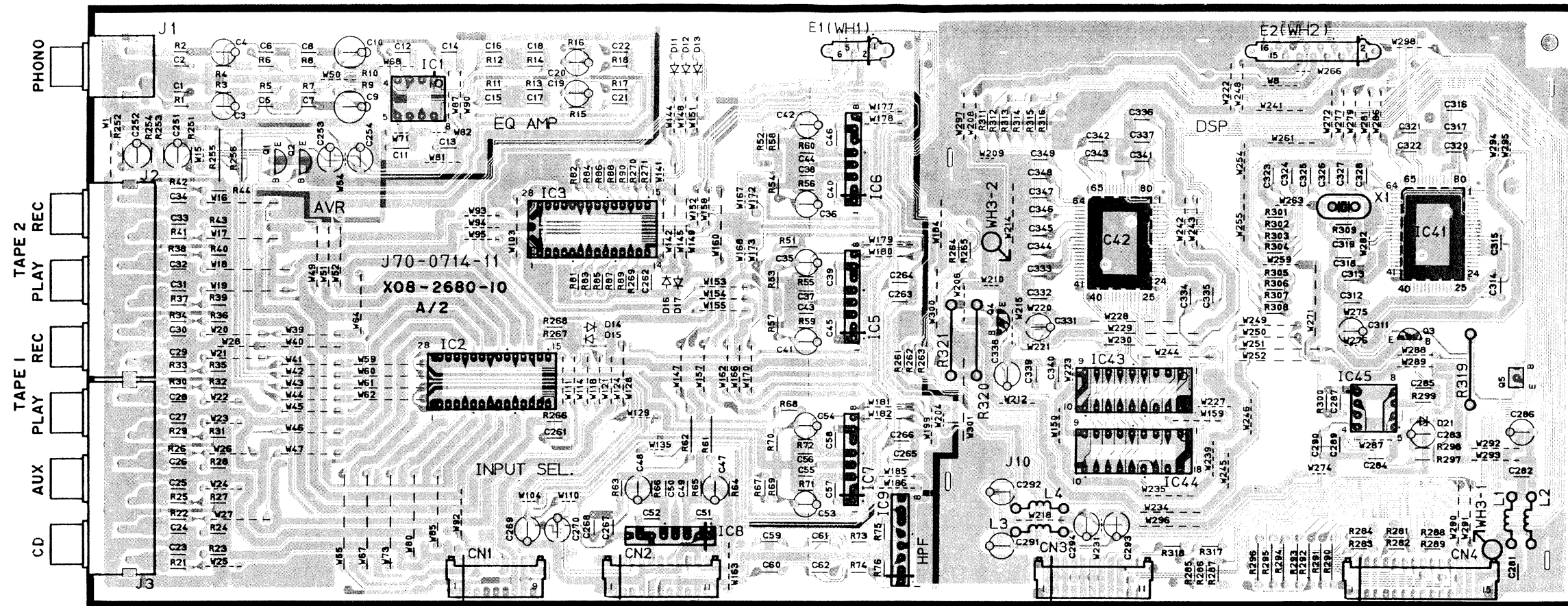
TUNER UNIT (X05-4460-XX) : K,P,Y,M,X



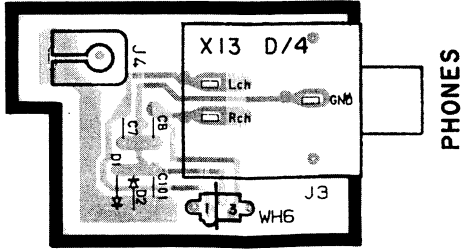
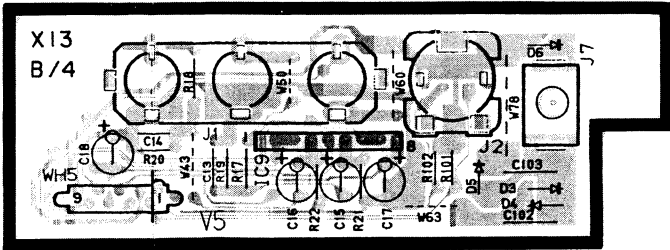
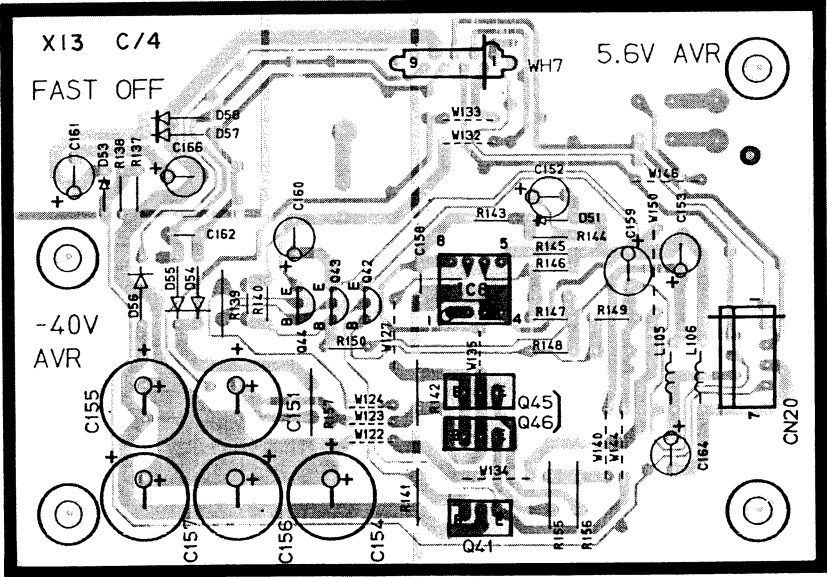
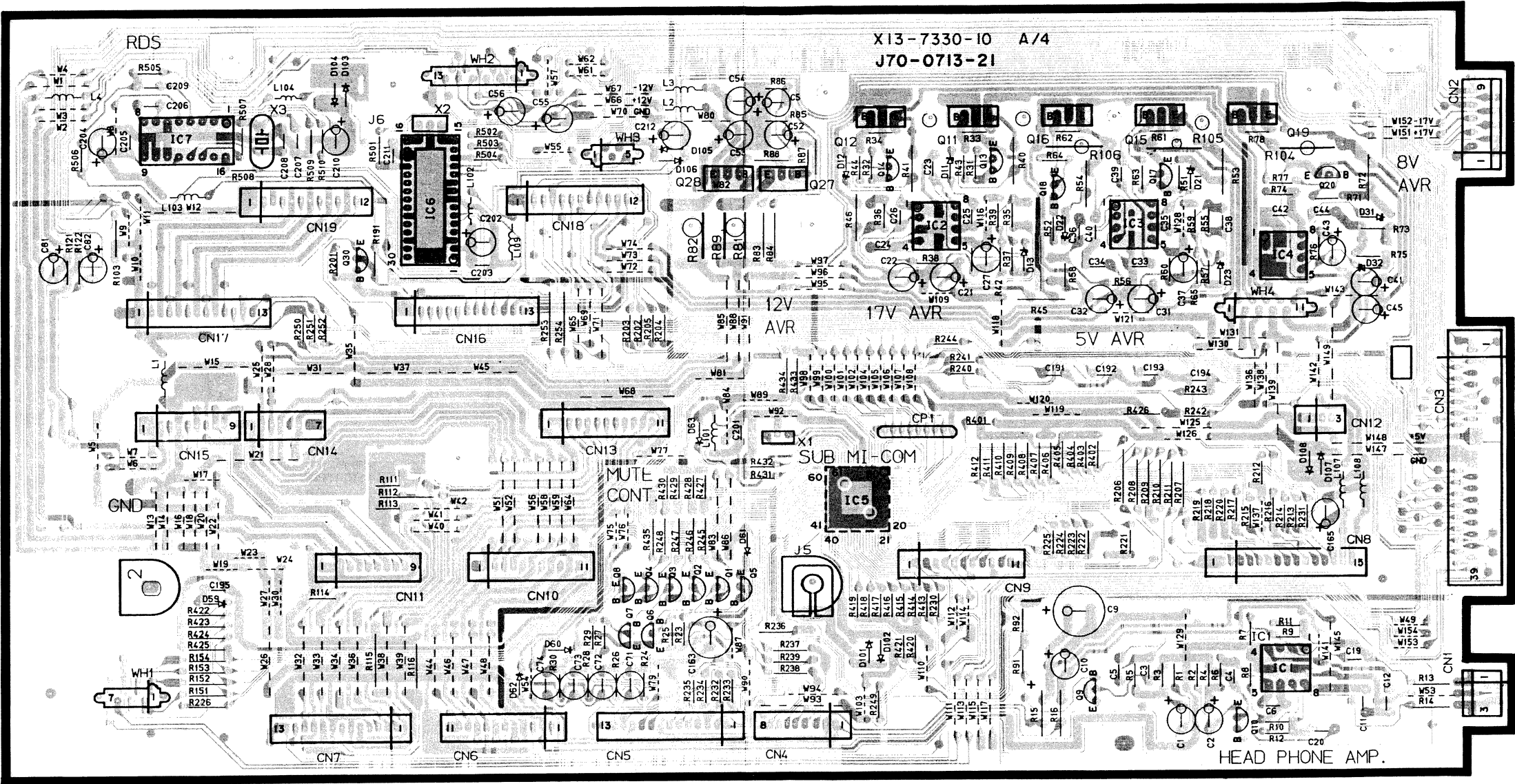


Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD (Component side view) SURROUND UNIT (X08-2680-10)

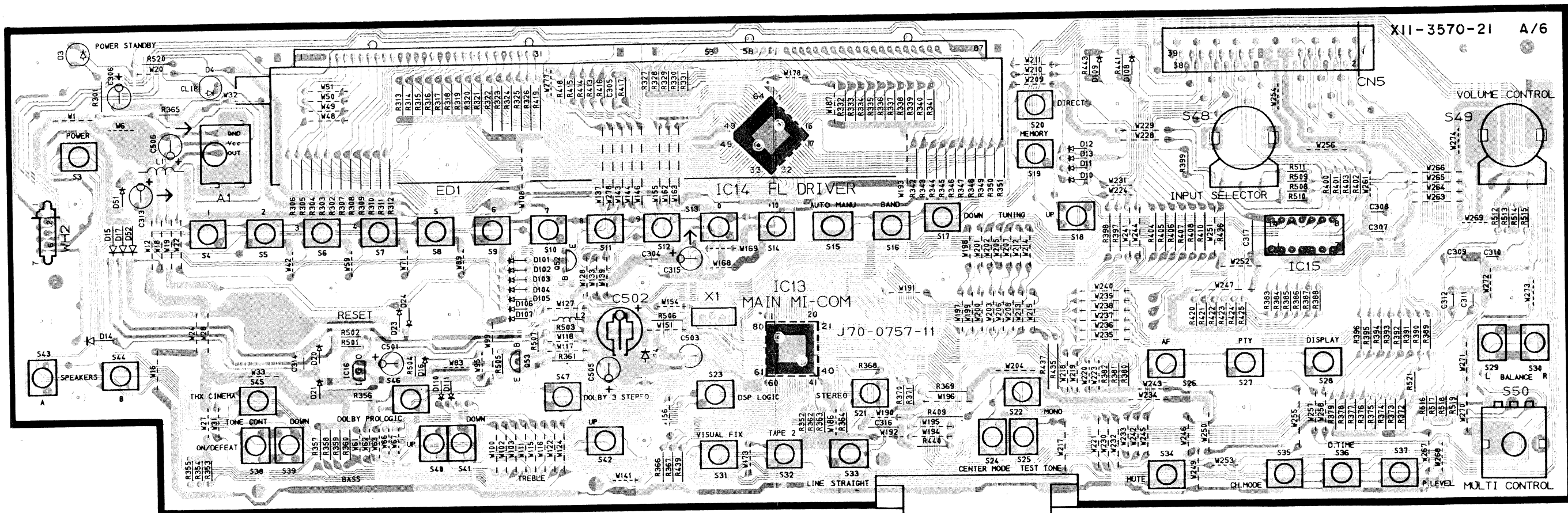


PC BOARD (Component side view) ACCESSORY UNIT (X13-733X-XX)



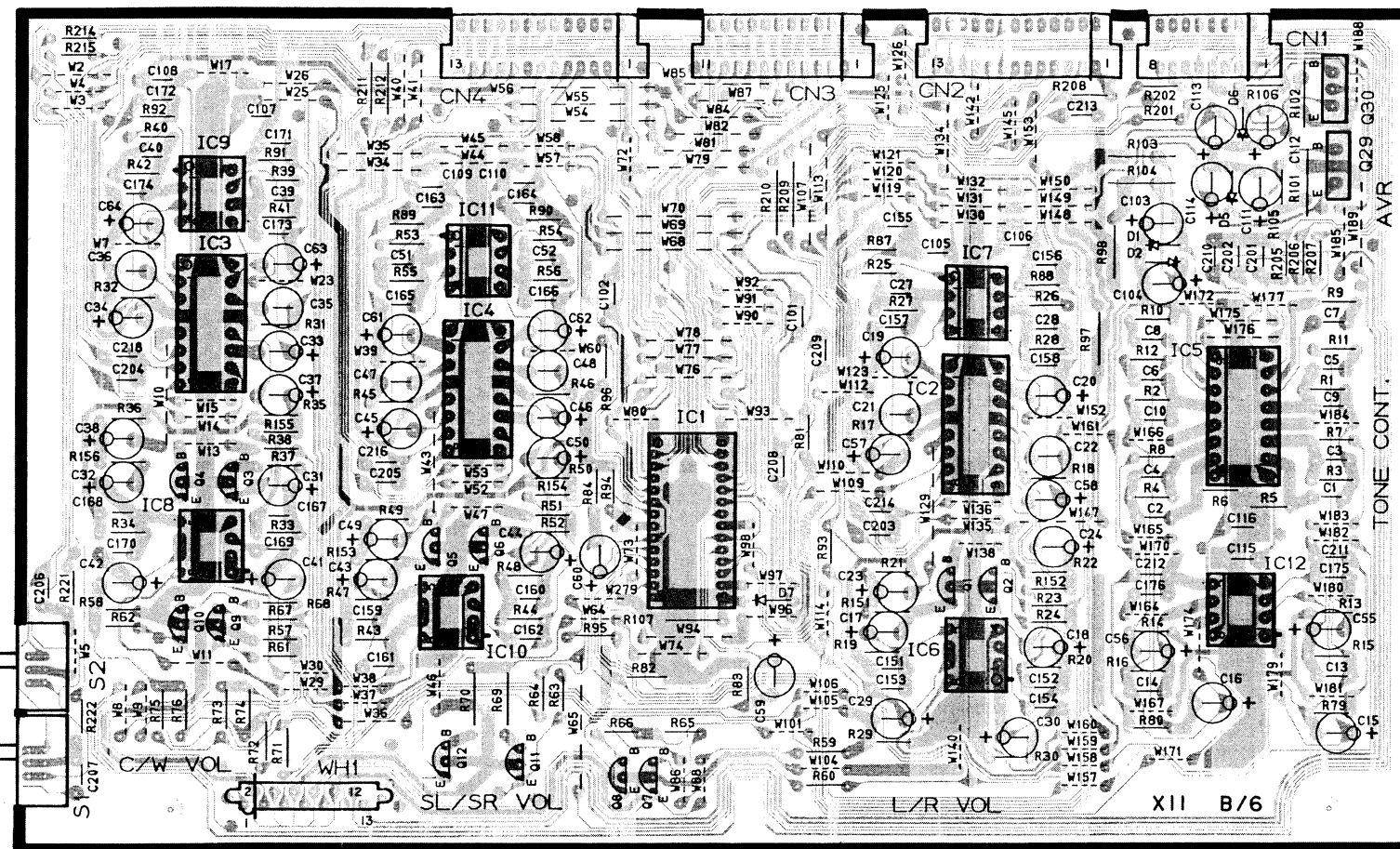
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD (Component side view) DISPLAY UNIT (X11-357X-XX)

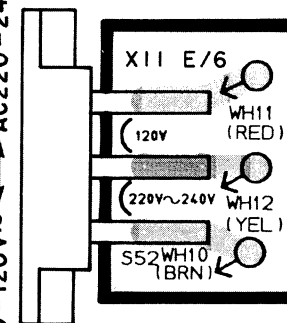


PC BOARD (Component side view) DISPLAY UNIT (X11-357X-XX)

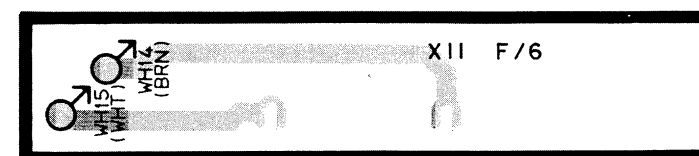
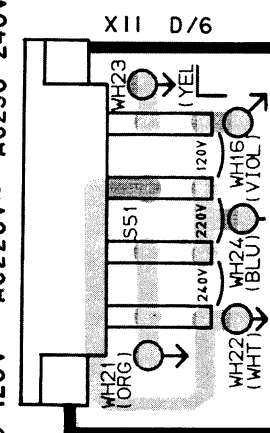
SUBWOOFER SEPARATE/INTEGRATED



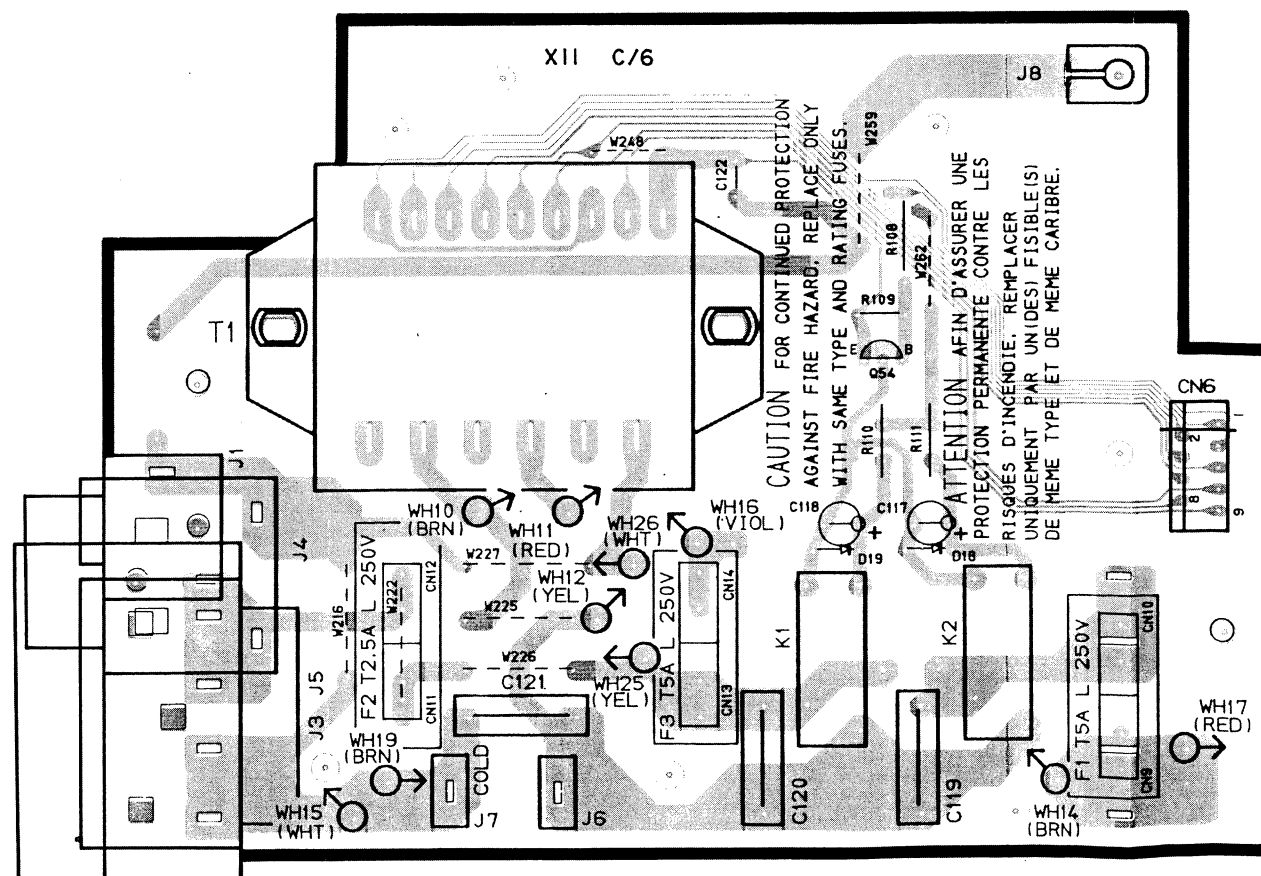
AC110-120V~ AC220-240V~



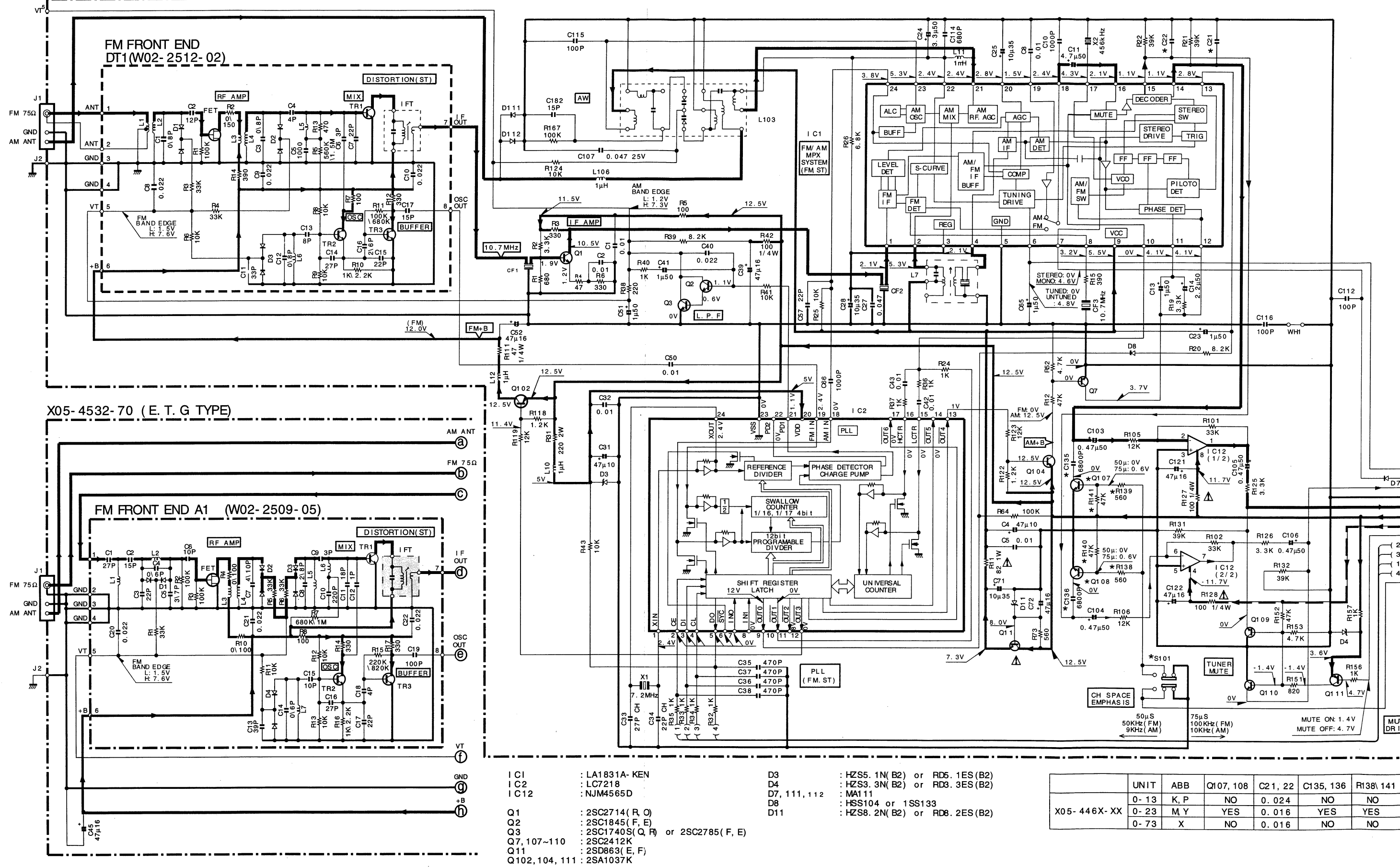
AC110-120V~ AC220V~ AC230-240V~



AC110-120V
/220V/230-240V~
50/60Hz
SWITCHED 200W MAX



X05-4460-13(K.P) X05-4460-23(M.Y) X05-4460-73(X)



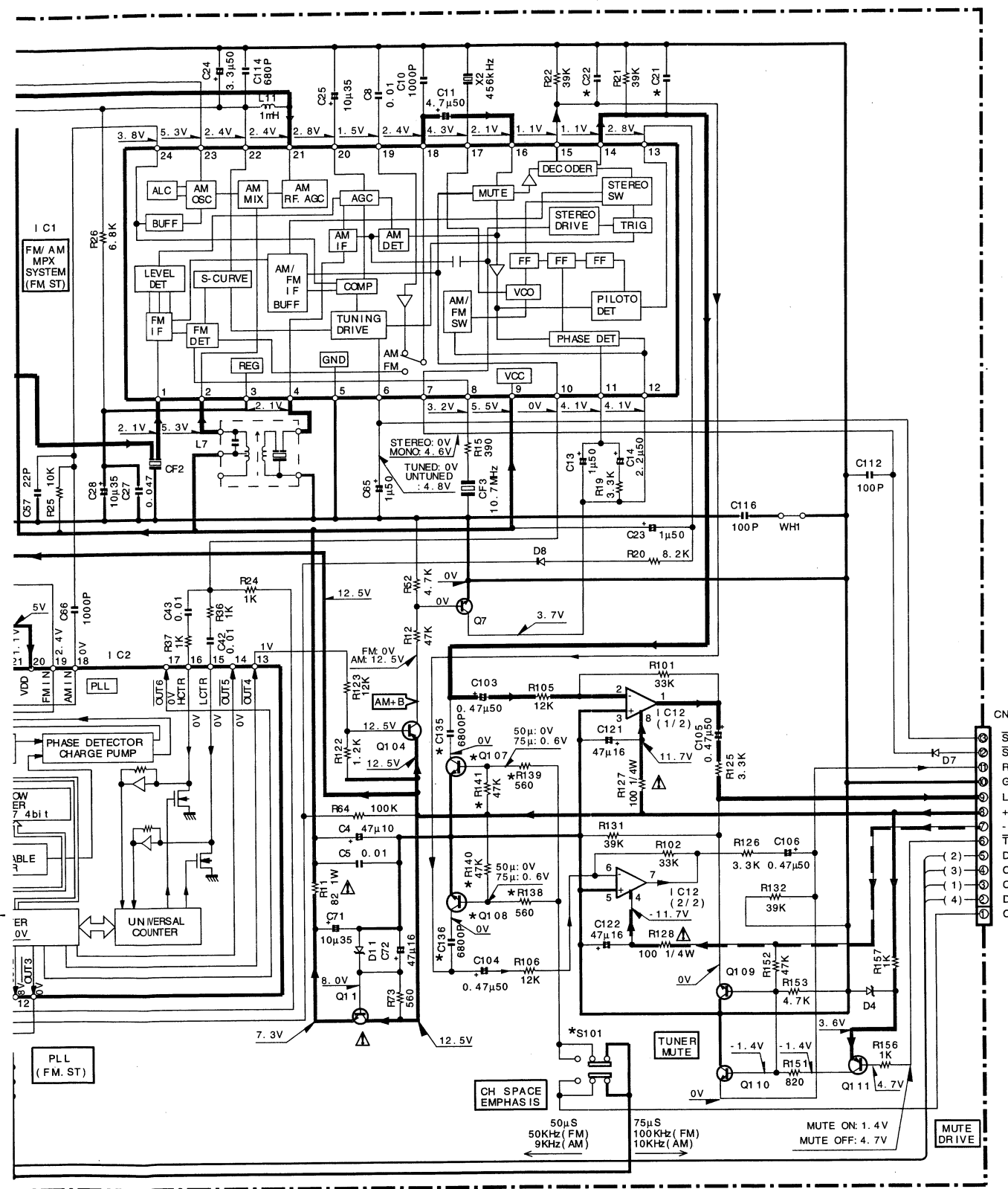
- I C1 : LA1831A- KEN
I C2 : LC7218
I C12 : NJM4565D
Q1 : 2SC2714(R, O)
Q2 : 2SC1845(F, E)
Q3 : 2SC1740S(Q, R) or 2SC2785(F, E)
Q7, 107~110 : 2SC2412K
Q11 : 2SD863(E, F)
Q102, 104, 111 : 2SA1037K
D3 : HZS5. 1N(B2) or RD5. 1ES(B2)
D4 : HZS3. 3N(B2) or RD3. 3ES(B2)
D7, 111, 112 : MA11
D8 : HSS104 or 1SS133
D11 : HZS8. 2N(B2) or RD8. 2ES(B2)

	UNIT	ABB	Q107, 108	C21, 22	C135, 136	R138\ 141
X05- 446X- XX	0- 13	K, P	NO	0. 024	NO	NO
	0- 23	M, Y	YES	0. 016	YES	YES
	0- 73	X	NO	0. 016	NO	NO

●DC voltages are as measured with a high impedance voltmeter during reception of the FM broadcast signal (with a signal strength of 60 dB at the ANT terminal). Values may vary slightly due to variations between individual instruments or/and units. Values in parentheses are as measured during reception of the AM broadcast signal (with a signal strength of 60 dB at the ANT terminal).

●Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une force de signal de 60 dB à la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels. Les valeurs entre Parenthèses doivent être mesurées pendant la réception d'un signal de programme AM (avec une force de signal de 60 dB à la borne ANT).

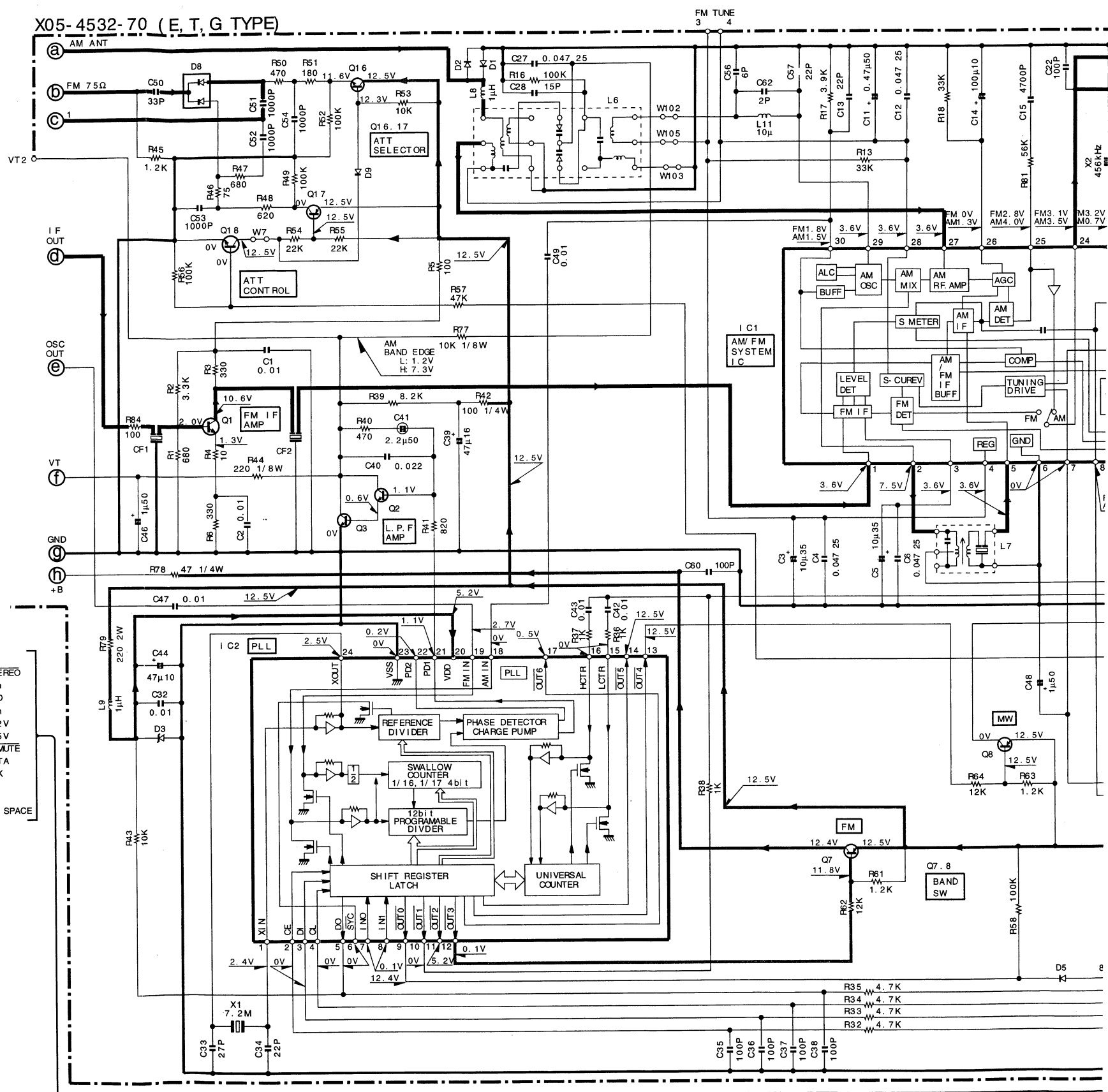
●Die von Ger. Ant



111, 112
: HZS5.1N (B2) or RD5.1ES (B2)
: HZS3.3N (B2) or RD3.3ES (B2)
: MA111
: HSS104 or 1SS133
: HZS8.2N (B2) or RD8.2ES (B2)

	UNIT	ABB	Q107, 108	C2 1, 22	C135, 136	R138\ 141	S101
X05- 446X- XX	0- 13	K, P	NO	0. 024	NO	NO	NO
	0- 23	M, Y	YES	0. 016	YES	YES	YES
	0- 73	X	NO	0. 016	NO	NO	NO

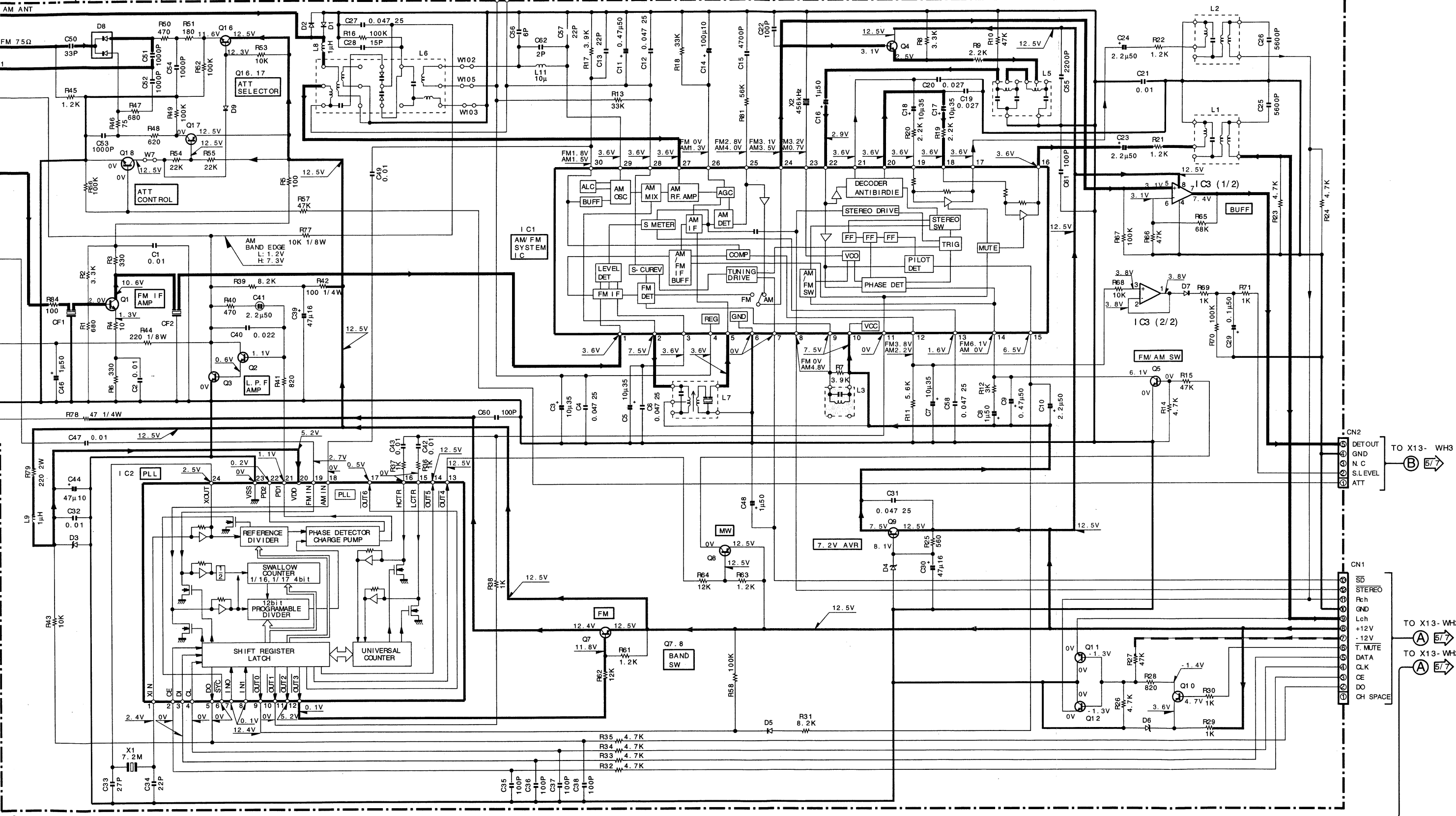
X05-4532-70 (E, T, G TYPE)



I C1 : LA1836
I C2 : LC7218
I C3 : M5223P
Q1 : 2SC2714 (R, O)
Q2 : 2SC1845 (F, E)
Q3, 4, 5, 16, 18 : 2SC4081 (R, S)
Q7, 8, 10, 17 : 2SA1576 (R, S)
Q9 : 2SD863 (E, F)
Q11, 12 : 2SD1757K
D1, 2, 5 : 1SS133 or HSS104
D3 : MTZJ5. 1 (B) or RD5. 1ES (B2)
D4 : MTZJ8. 2 (B) or RD8. 2ES (B2)
D6 : MTZJ3. 3 (B) or RD3. 3ES (B2)
D7, 9 : MA111
D8 : 1SS268

doivent être mesurées avec un voltmètre à haute impédance pendant la réception d'un signal de programme FM (avec une le 60 dB é la borne ANT). Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux resure individuels. Les valeurs entre Parenthèses doivent être mesurées pendant la réception d'un signal de programme AM te signal de 60 dB à la borne ANT).

● Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser bei Empfang eines UKW-signals(mit einer Feldstärke von 60 dB am antennenanschluß) gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u.U.geringfügig. Die eingeklammerten Gleichspannungswerte wurden bie Empfang eines MW-signals (mit einer Feldstärke von 60 dB am Antennenanschluß)gemessen.



C1 : LA1836	Q1 : 2SC2714 (R, O)	D1, 2, 5 : 1SS133 or HSS104
C2 : LC7218	Q2 : 2SC1845 (F, E)	D3 : MTZJ5.1 (B) or RD5.1ES (B2)
C3 : M5223P	Q3, 4, 5, 16, 18 : 2SC4081 (R, S)	D4 : MTZJ8.2 (B) or RD8.2ES (B2)
	Q7, 8, 10, 17 : 2SA1576 (R, S)	D6 : MTZJ3.3 (B) or RD3.3ES (B2)
	Q9 : 2SD863 (E, F)	D7, 9 : MA111
	Q11, 12 : 2SD1757K	D8 : 1SS268

KR-X1000 (1/7)

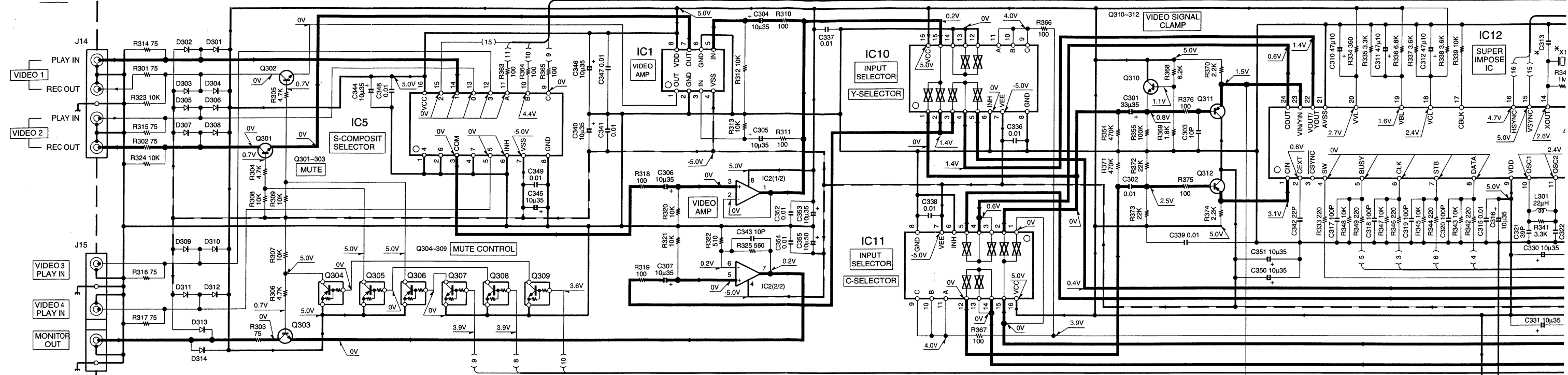
——— SIGNAL LINE
 ——— GND LINE
 ——— +B LINE
 - - - -B LINE

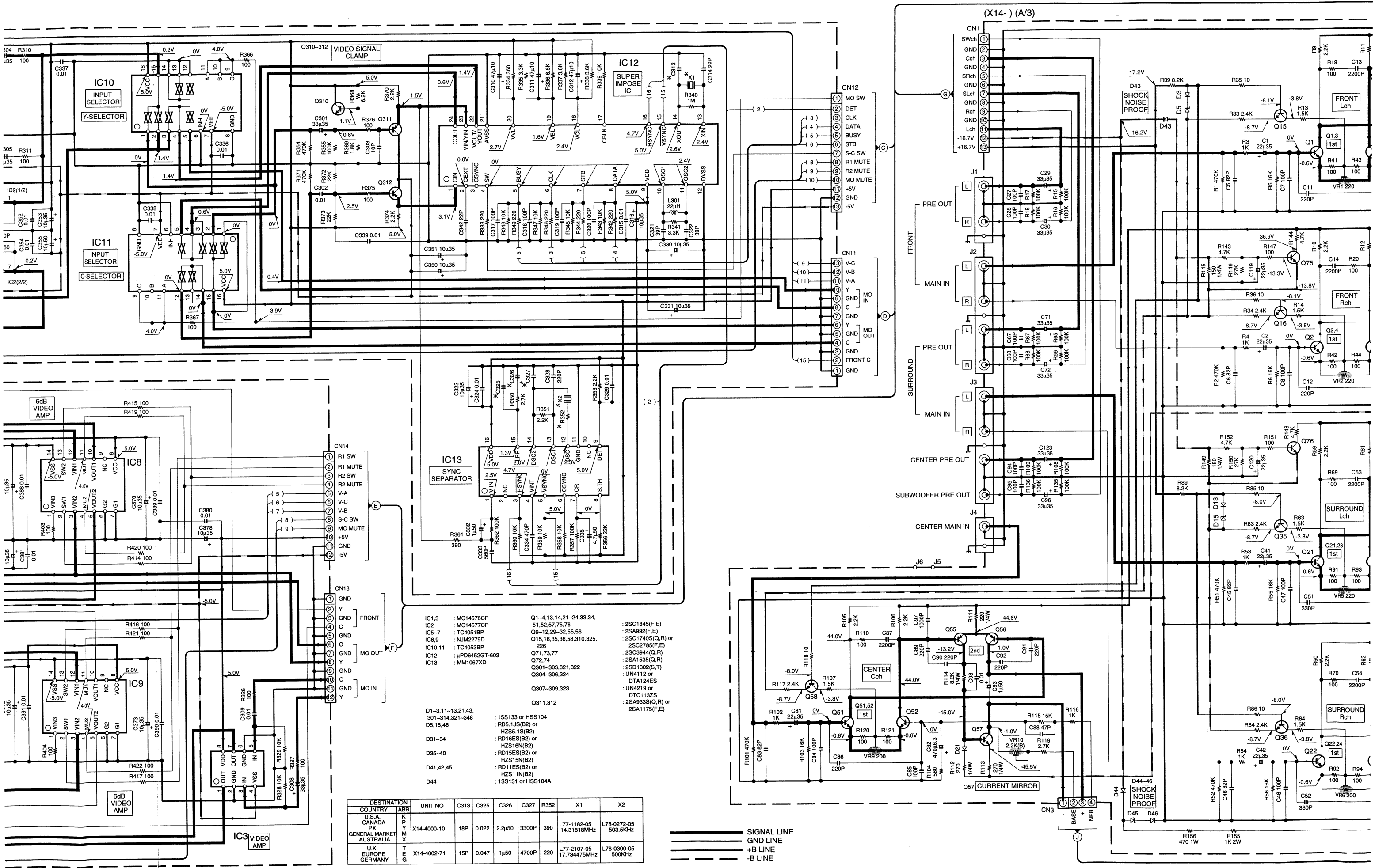
Die Spannungswerte wurden mit einem hochohmigen Spannungsmesser bei Empfang eines UKW-Signals (mit einer Feldstärke von 60 dB μ m) gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Bauteilen. Die eingeklammerten Gleichspannungswerte wurden bei Empfang eines MW-Signals (mit einer Feldstärke von 60 dB μ m) gemessen.

KR-X1000/(G)
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(X14-400X-XX) (B/3)

VIDEO

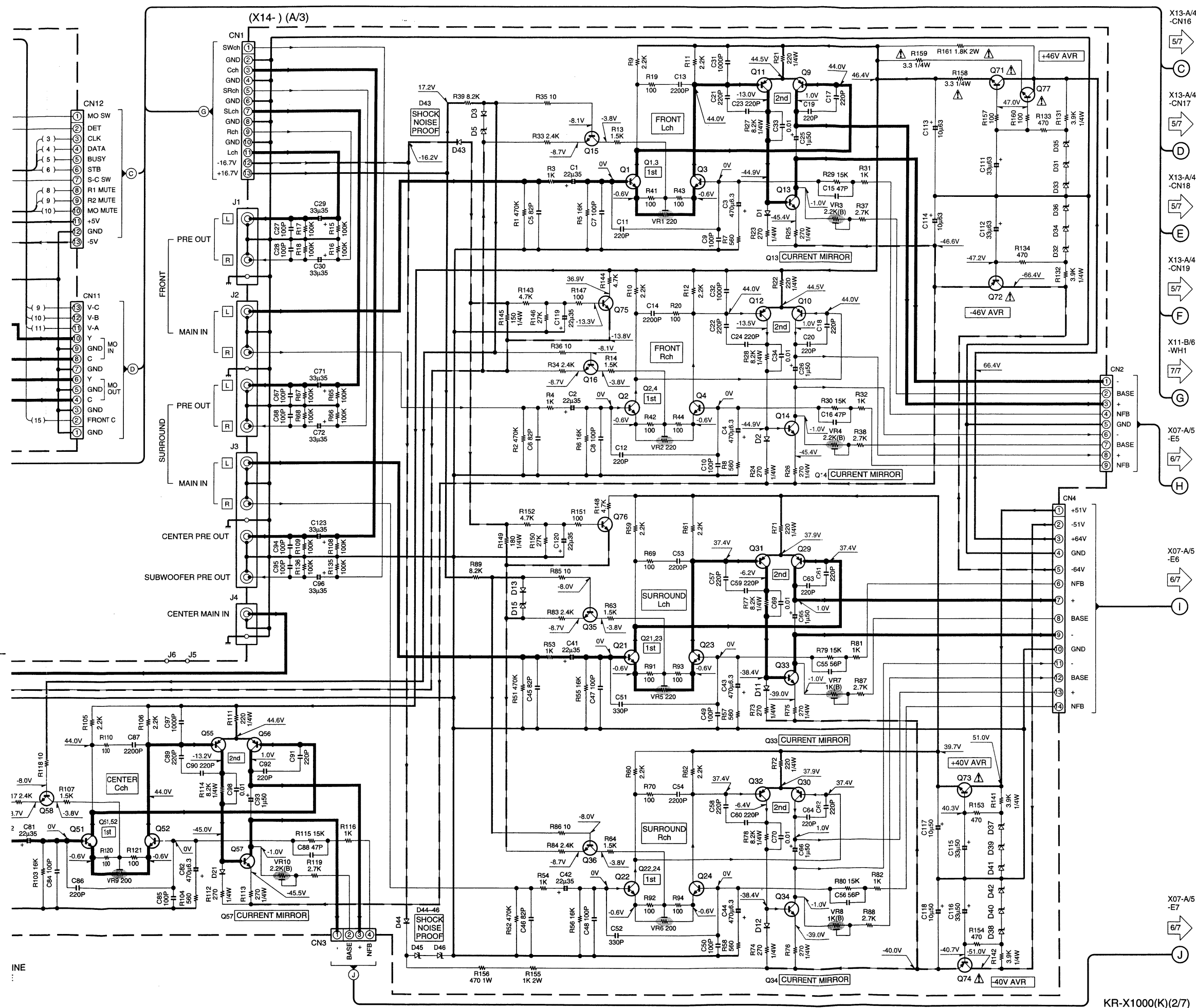




- IC1,3 : MC14576CP
IC2 : MC14577CP
IC5-7 : TC4051BP
IC8,9 : NJM2279D
IC10,11 : TC4053BP
IC12 : μ PD6452GT-603
IC13 : MM1067XD
- Q1-4,13,14,21-24,33,34, 51,52,57,75,76
Q9-12,29-32,55,56
Q15,16,35,36,58,310,325, 226
Q71,73,77
Q72,74
Q301-303,321,322
Q304-306,324
Q311,312
Q307-309,323
- : 2SC1845(F,E)
: 2SA992(F,E)
: 2SC1740S(Q,R) or 2SC2785(F,E)
: 2SC3944(Q,R)
: 2SA1535(Q,R)
: 2SD1302(S,T)
: UN4112 or DTA124ES
: UN4219 or DT0113ZS
: 2SA933S(Q,R) or 2SA1175(F,E)
- D1-3,11-13,21,43, 301-314,321-348
D5,15,46
D31-34
D35-40
D41,42,45
D44
- : 1SS133 or HSS104
: RD5.1S(B2) or HZS5.1S(B2)
: RD16S(B2) or HZS16N(B2)
: RD15ES(B2) or HZS15N(B2)
: RD11ES(B2) or HZS11N(B2)
: 1SS131 or HSS104A

DESTINATION	UNIT NO	C313	C325	C326	C327	R352	X1	X2
U.S.A.	K							
CANADA	P							
GENERAL MARKET	M	X14-4000-10	18P	0.022	2.2 μ 50	3300P	390	L77-1182-05 14.31818MHz
AUSTRALIA	X							L78-0272-05 503.5KHz
U.K.	E							
EUROPE	T	X14-4002-71	15P	0.047	1 μ 50	4700P	220	L77-2107-05 17.734475MHz
GERMANY	G							L78-0300-05 500KHz

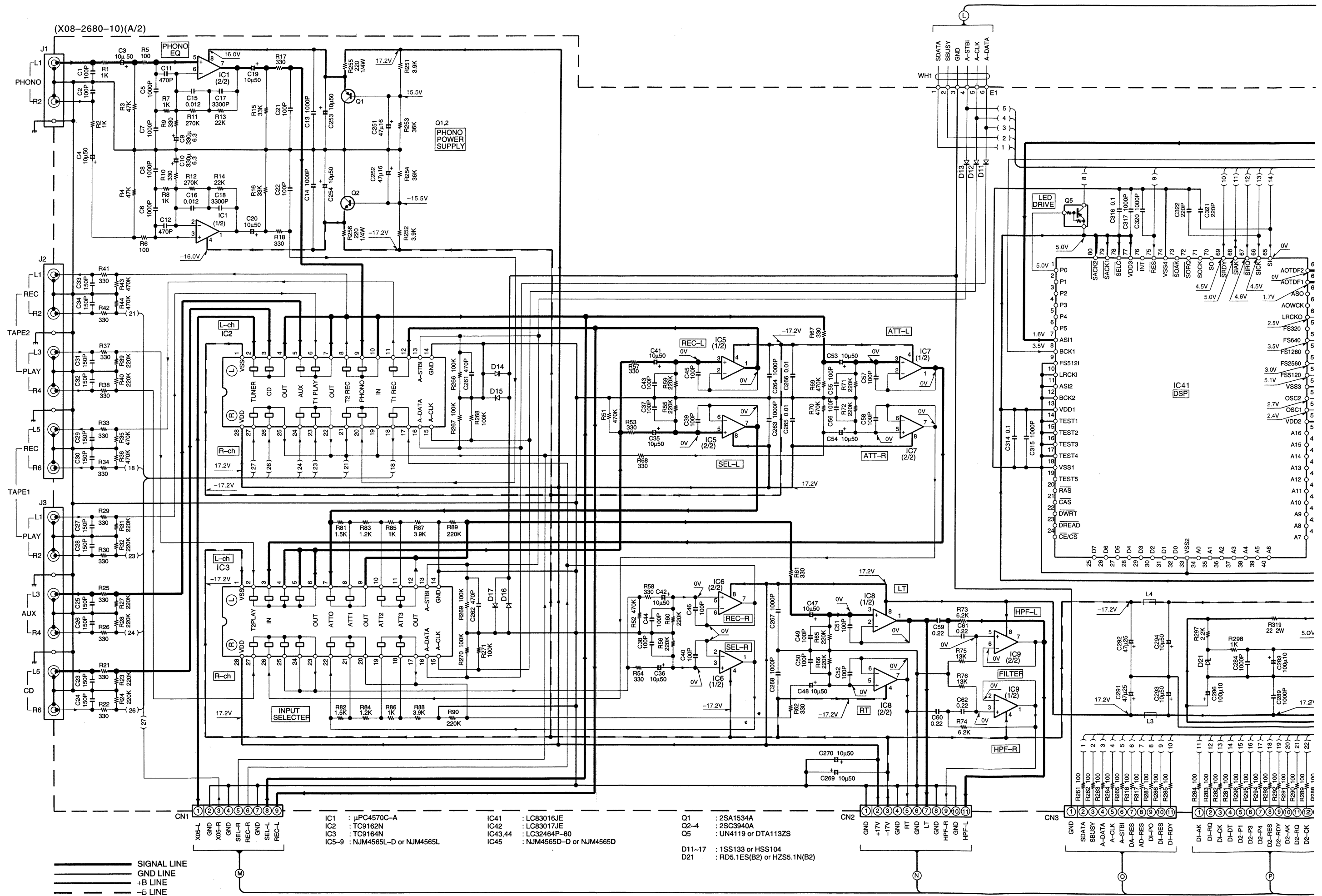
SIGNAL LINE
GND LINE
+B LINE
-B LINE

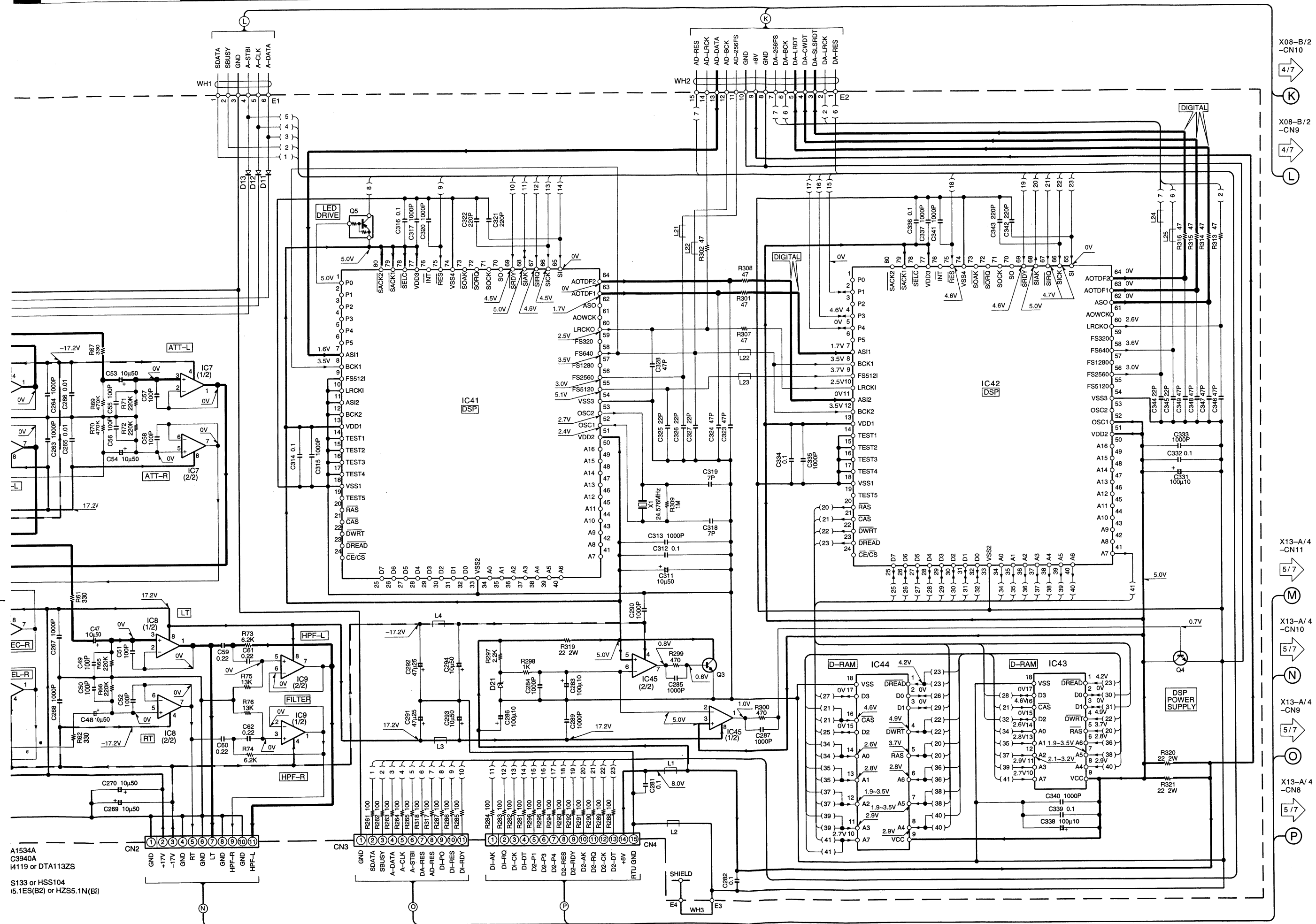


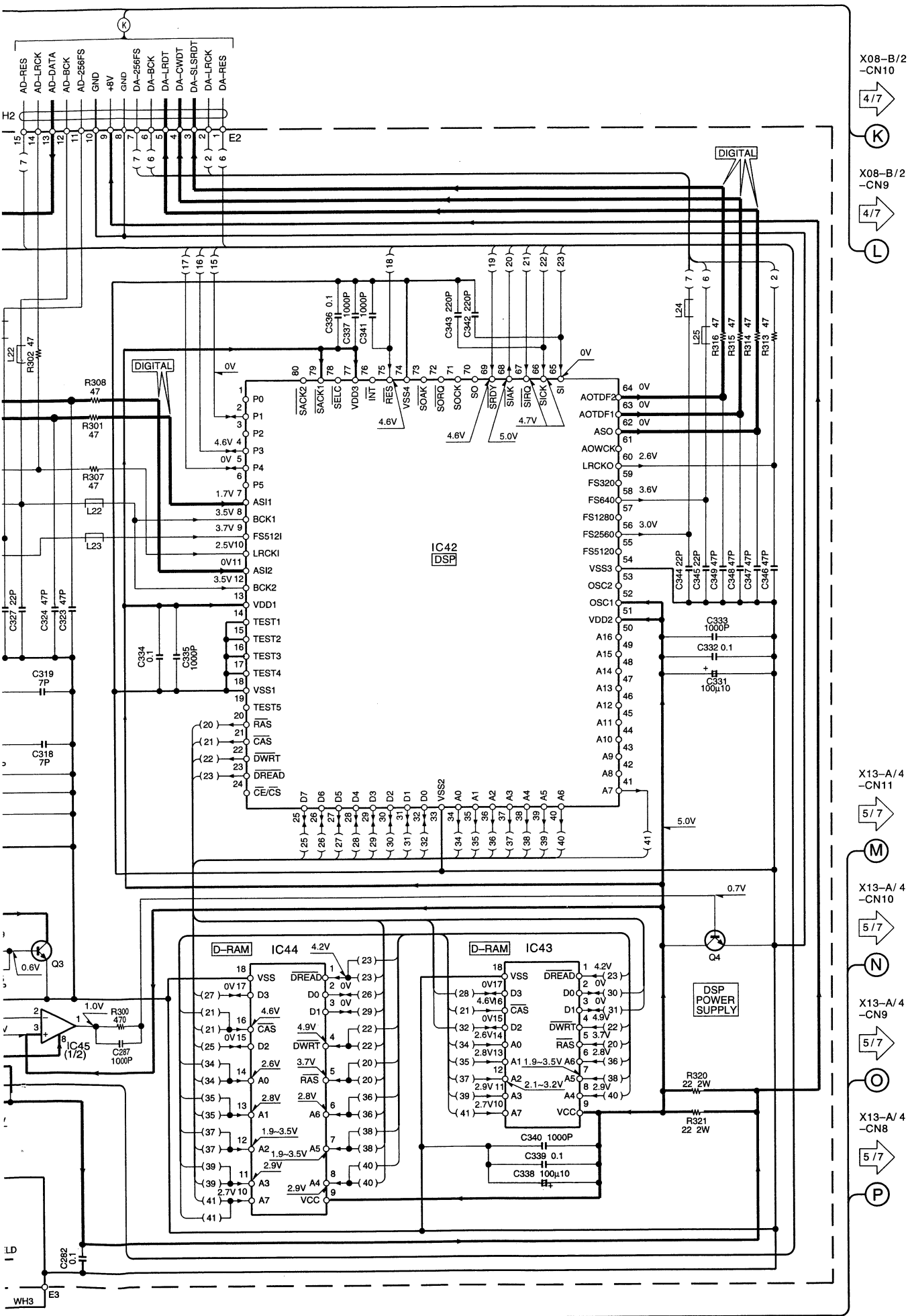
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
- Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Voltmeter gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen instrumenten oder Geräten u.U. geringfügig.
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KR-X1000/(G)
KENWOOD







KR-X1000(K) (3/7)

2SA1534A
2SA954
2SA992
2SC1845
2SC2003
2SC2878
2SC3940A
2SD1302
2SD863

2SA1110

2SA1175
2SC2785
PAGE26
05/11/95
KKRX1000KZ
 $\partial fi \leq \pi \leq \Omega fi$

DTA124ES
DTC124ES
DTC143TS
UN4112
2SA933S
2SC1740S

2SB1570M*5
2SD2401M*5

2SA1037K
2SA1576
2SC2412K
2SC2714
2SC4081
2SD1757K

2SC4137

2SB1163
2SD1718

2SA1535
2SA1535A
2SB1370
2SC3944
2SC3944A
2SD2061

UN4212
UN4216
UN4219

2SB1375
2SD2012

NJM4558D

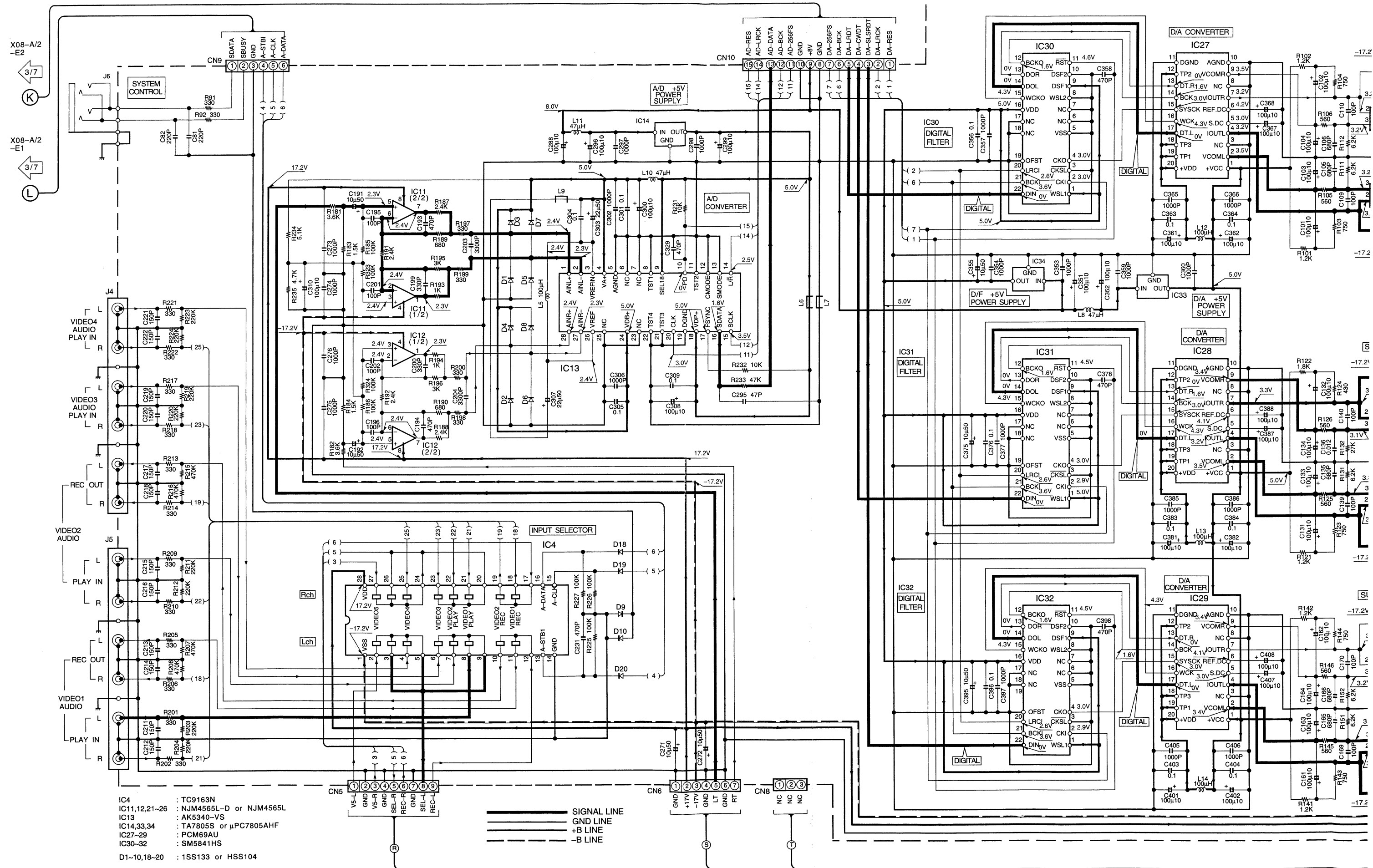
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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

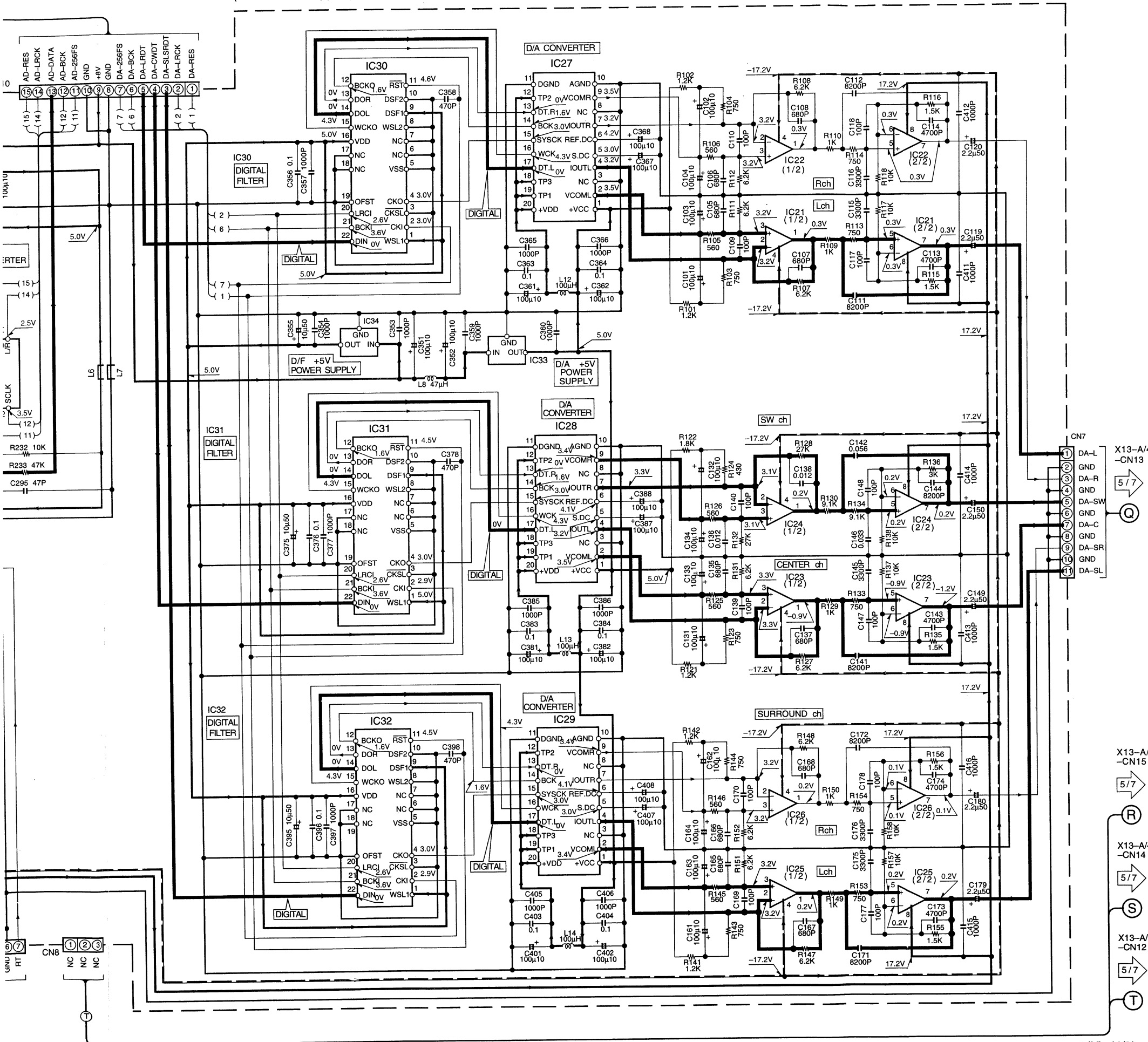
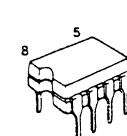
• Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Voltmeter gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen instrumenten oder Geräten u.U. geringfügig.

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

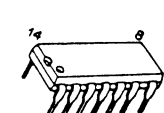
(X08-2680-10)(B/2)



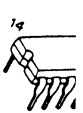
(X08-2680-10)(B/2)


NJM4565D
NJM4565D-D


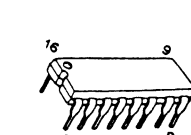
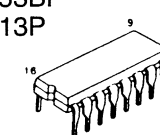
NJM2279D



TC74HC



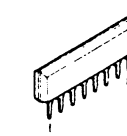
TC9184P


TC4051BP
TC4053BP
TC9213P


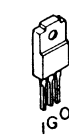
SAA6579



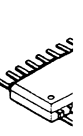
UPC1237HA



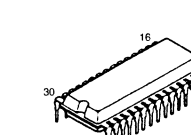
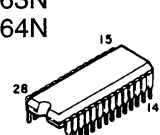
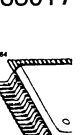
UPC7805AHF



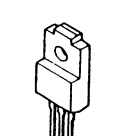
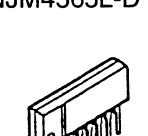
SM5841F



LA1836

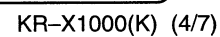

TC9162N
TC9163N
TC9164N

LC83016
LC83017


TA7805S


NJM4565L
NJM4565L-D


LC7218





A diagram of a 5-pin D-sub connector. The pins are numbered 1 to 5. Pin 1 is at the bottom center, pin 2 is at the bottom left, pin 3 is at the bottom right, pin 4 is at the top left, and pin 5 is at the top center.

A perspective view of a 16-pin DIP package. The package is rectangular with two rows of pins. The pins are numbered 1 through 16, starting from the top-left pin and proceeding clockwise around the package.

A diagram of a 16-pin DIP package. The package is rectangular with a notch on one side. Pins are numbered 1 to 16. Pins 1 through 8 are on the left side, and pins 9 through 16 are on the right side. The numbering starts from the bottom-left pin (pin 1) and goes up to pin 8, then continues from the bottom-right pin (pin 9) up to pin 16.



A perspective view of a 22-pin DIP package. The package is rectangular with two rows of pins. The top row of pins is labeled '12' at the right end, and the bottom row is labeled '22' at the left end.

A perspective view of a 20-pin DIP package. The pins are numbered 1 through 20. Pin 1 is at the bottom left corner, and pin 20 is at the top left corner. The package has a notch on the top edge, indicating the orientation.

A perspective view of a 16-pin DIP package. The package is rectangular with a notch on one side. Pins are numbered 1 to 16 along the top edge and 17 to 30 along the bottom edge. The package is shown at an angle, highlighting its three-dimensional structure.

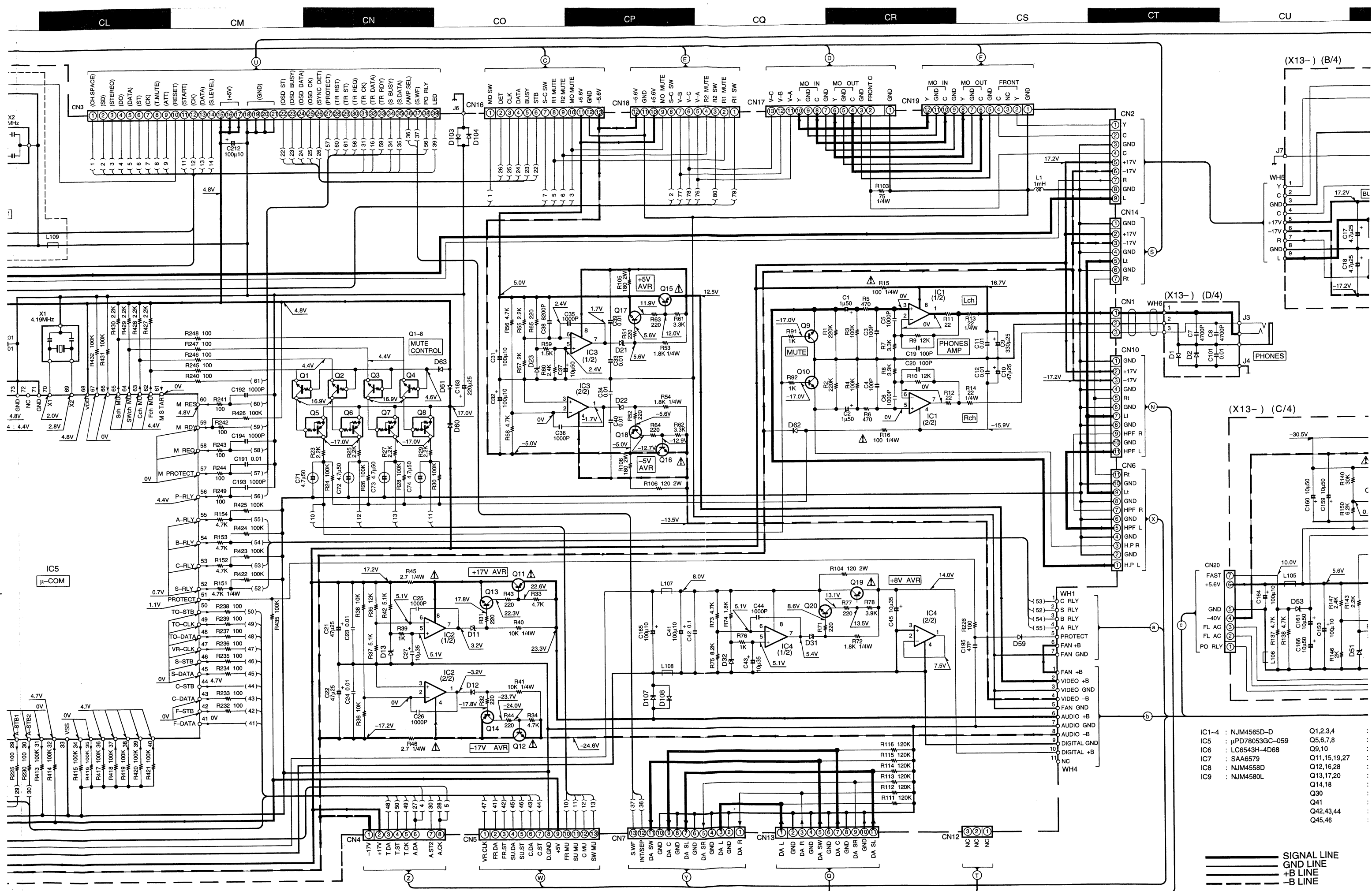
A diagram of a 28-pin DIP package. The package is shown from a perspective view. The pins are numbered 1 to 28. Pin 1 is at the top left corner. Pin 15 is at the top right corner. Pin 28 is at the bottom left corner. The package is labeled '04N' in the top left corner.

160

A perspective view of a 24-pin DIP package. The package is rectangular with two circular mounting holes on the top surface. The pins are arranged in two rows of 12 pins each. The pin numbers 13 and 24 are indicated on the package.

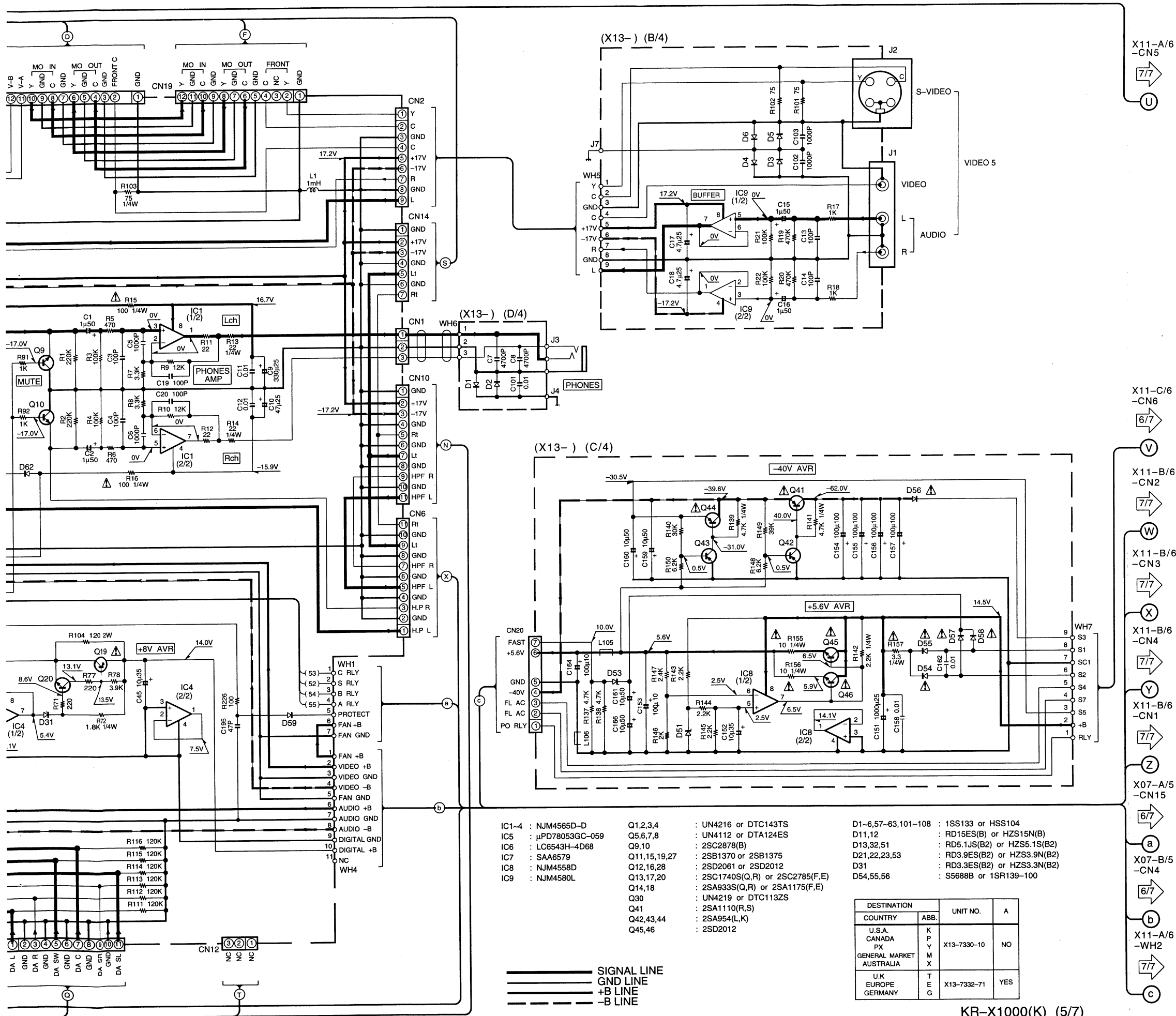
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KR-X1000/(G)
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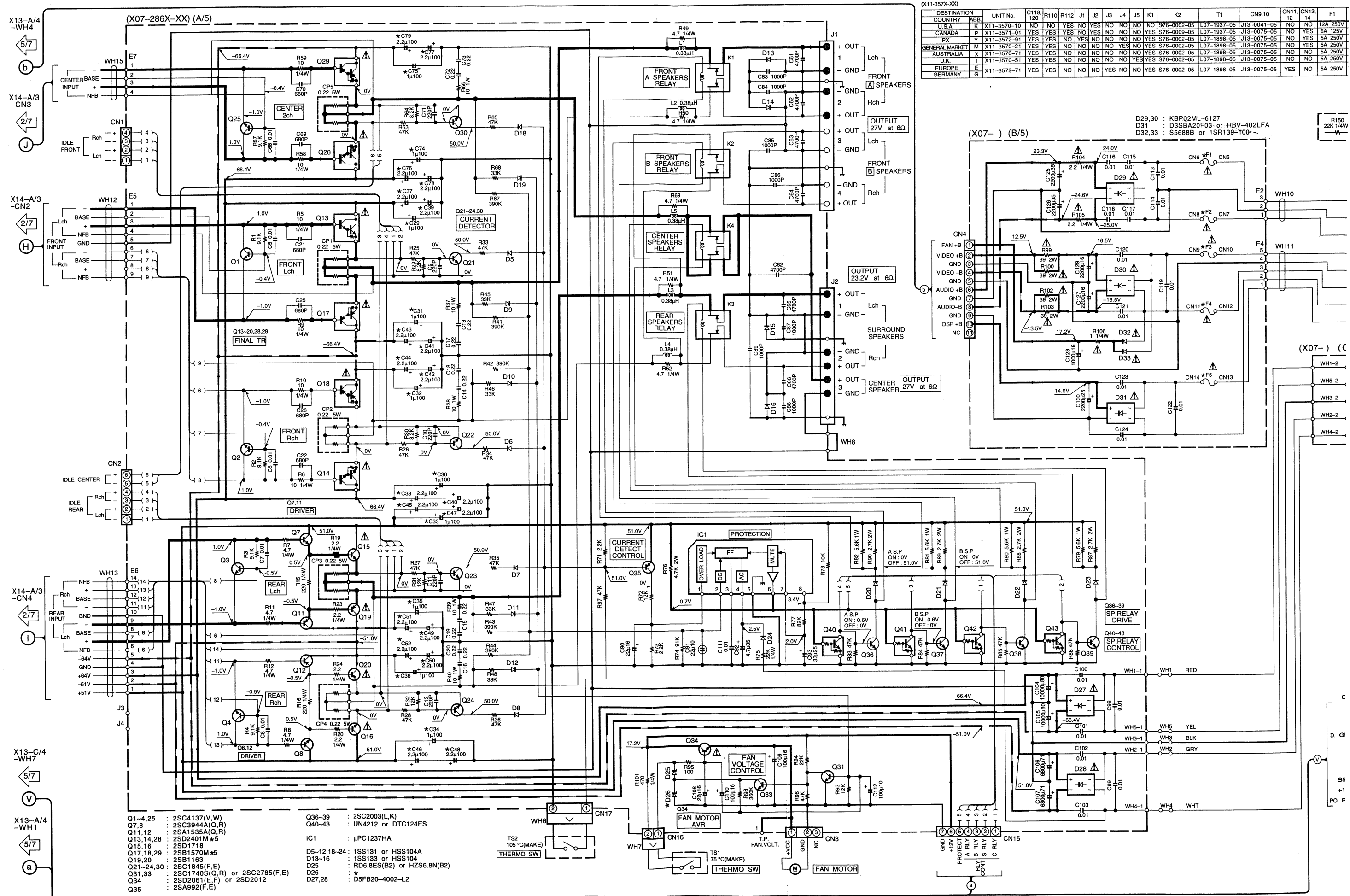
- | | |
|----------------------|--------------|
| IC1-4 : NJM4565D-D | Q1,2,3,4 |
| IC5 : μPD78053GC-059 | Q5,6,7,8 |
| IC6 : LC8543H-4D68 | Q9,10 |
| IC7 : SAA6579 | Q11,15,19,27 |
| IC8 : NJM4558D | Q12,16,28 |
| IC9 : NJM4580L | Q13,17,20 |
| | Q14,18 |
| | Q30 |
| | Q41 |
| | Q42,43,44 |
| | Q45,46 |

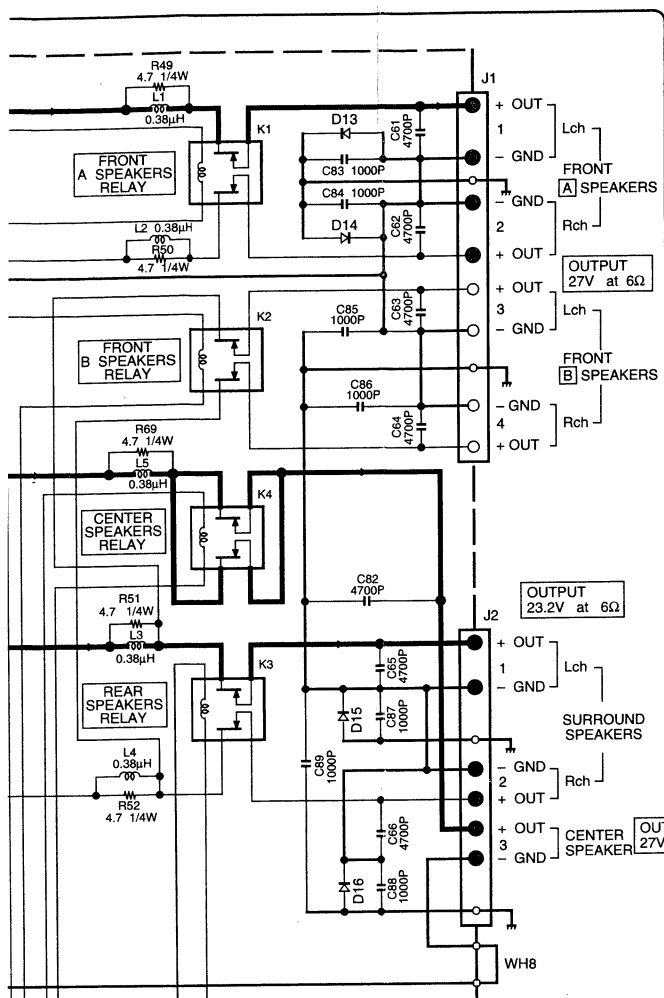
— SIGNAL LINE
--- GND LINE
... +B LINE
-.- -B LINE



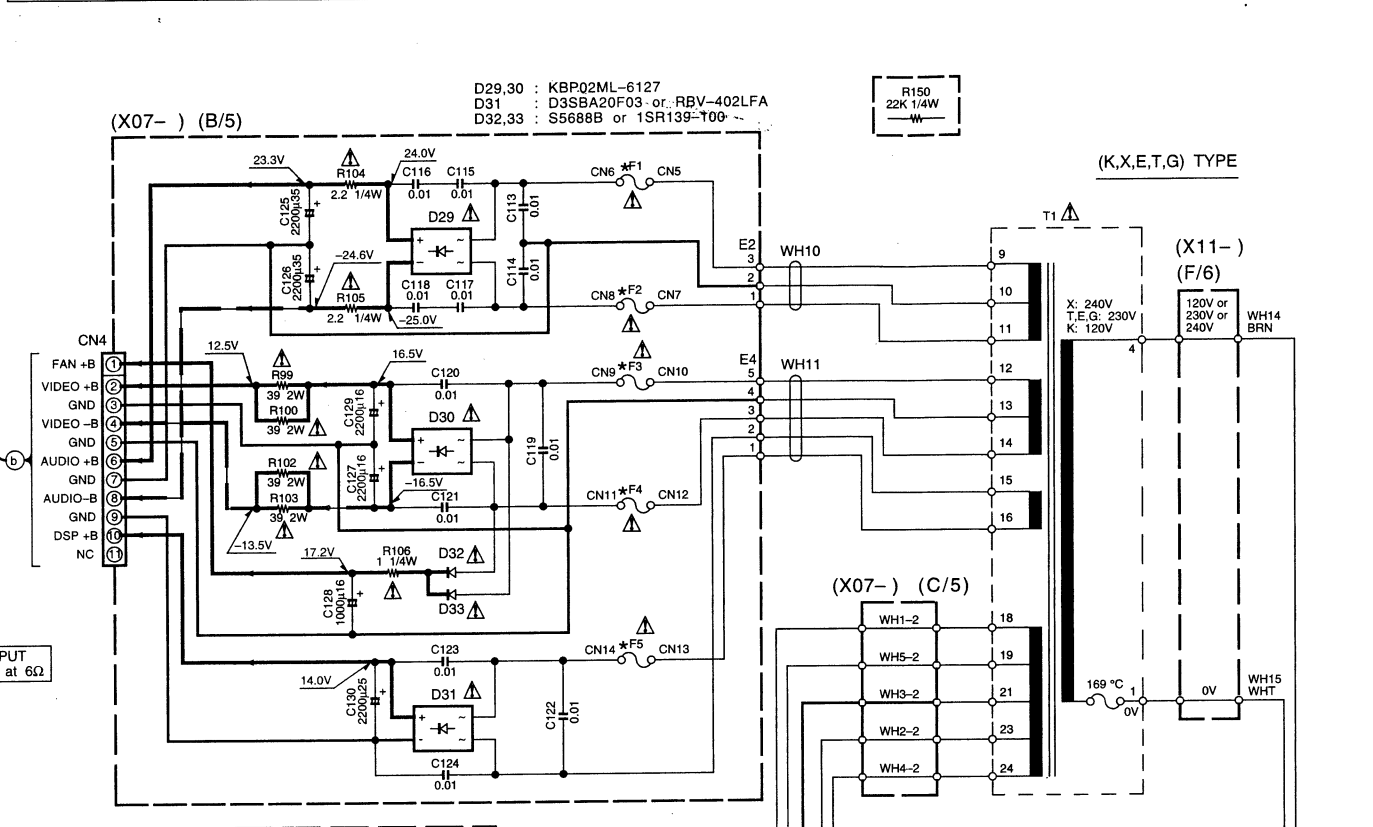
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
- Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Voltmeter gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen instrumenten oder Geräten u.U. geringfügig.
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.



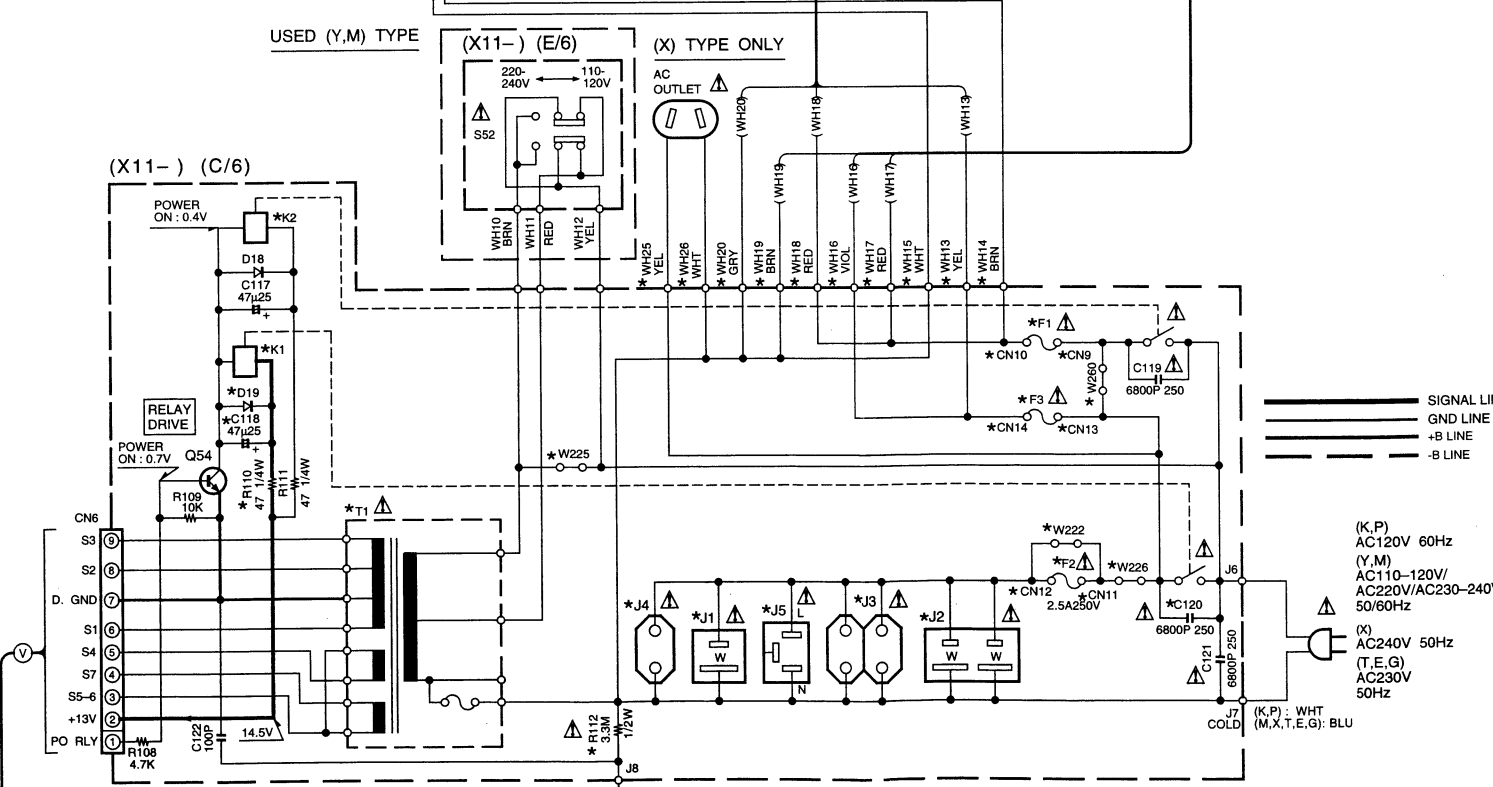
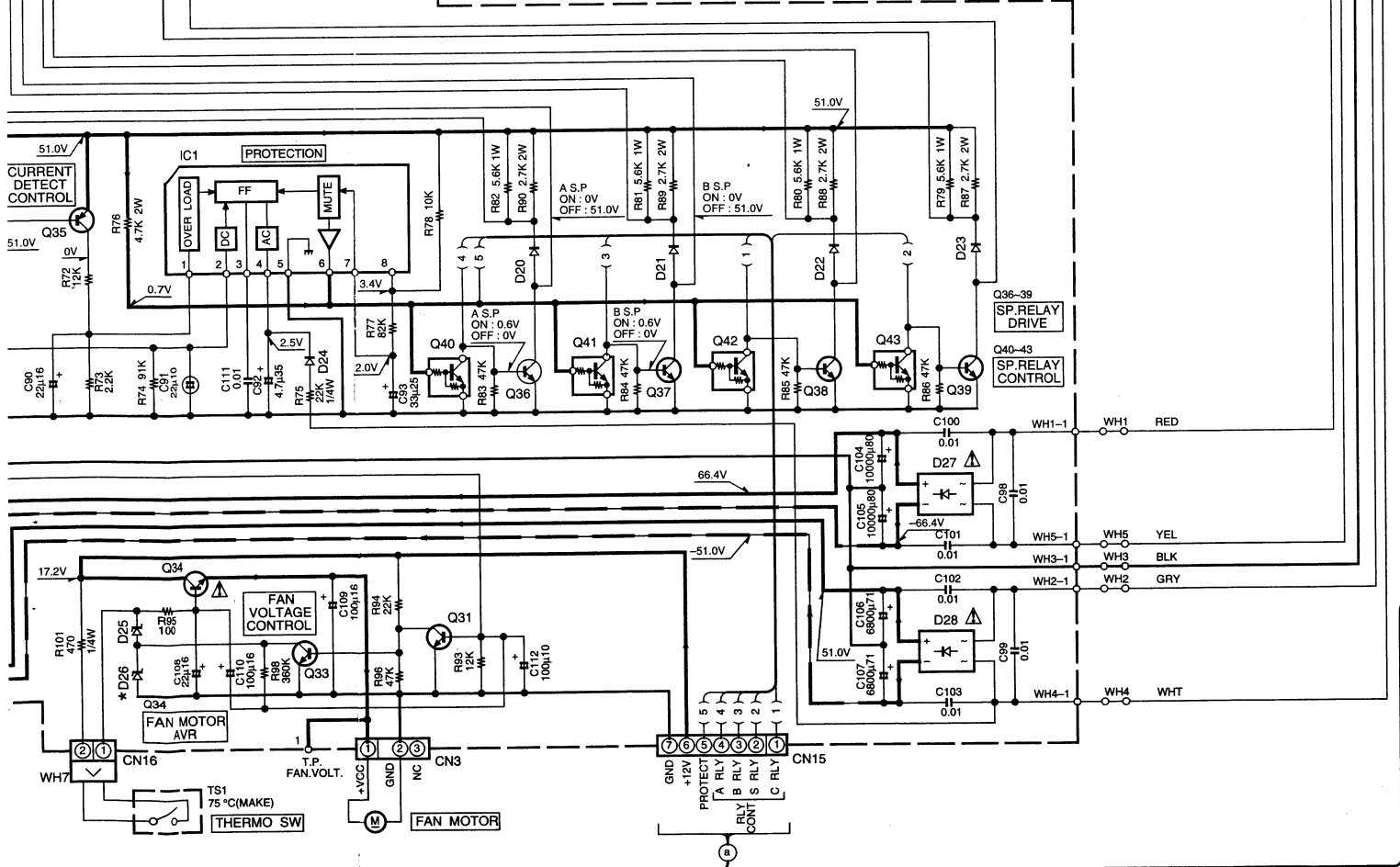


(X11-357X-XX)																												
DESTINATION		UNIT No.	C118	R110	R112	J1	J2	J3	J4	J5	K1	K2	T1	CN9,10	CN11	CN13	F1	F2	F3	WH13	WH14	WH16	WH25	W222	W225	W226	W260	D19
COUNTRY	ABB.																											
U.S.A.	K	X11-3570-10	NO	NO	YES	NO	YES	NO	NO	NO	NO	S76-0002-05	L07-1937-05	J13-0041-05	NO	NO	12A 250V	NO	NO	NO	NO	NO	YES	YES	YES	YES	NO	NO
CANADA	P	X11-3571-01	YES	YES	YES	NO	YES	NO	NO	NO	NO	YES	S76-0009-05	L07-1937-05	J13-0075-05	NO	YES	6A 125V	NO	6A 125V	YES	NO	NO	YES	YES	YES	NO	YES
PX	Y	X11-3572-91	YES	YES	NO	YES	NO	NO	NO	NO	NO	YES	S76-0002-05	L07-1898-05	J13-0075-05	NO	YES	5A 250V	NO	5A 250V	NO	NO	YES	NO	YES	NO	YES	NO
GENERAL MARKET	M	X11-3570-21	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	S76-0002-05	L07-1898-05	J13-0075-05	NO	YES	5A 250V	NO	5A 250V	NO	NO	YES	NO	YES	NO	YES	NO
	A	X11-3570-71	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	S76-0002-05	L07-1898-05	J13-0075-05	NO	NO	5A 250V	NO	NO	NO	YES	NO	YES	NO	YES	NO	
	U	X11-3570-51	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	S76-0002-05	L07-1898-05	J13-0075-05	NO	NO	5A 250V	NO	NO	NO	YES	NO	YES	NO	YES	NO	
	X	X11-3570-21	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES	S76-0002-05	L07-1898-05	J13-0075-05	NO	NO	5A 250V	NO	NO	NO	YES	NO	YES	NO	YES	NO	
EUROPE	E	X11-3572-71	YES	YES	NO	NO	NO	YES	NO	NO	YES	S76-0002-05	L07-1898-05	J13-0075-05	YES	NO	5A 250V	YES	NO	NO	YES	NO	NO	YES	YES	NO	YES	
GERMANY	G	X11-3572-71	YES	YES	NO	NO	NO	YES	NO	NO	YES	S76-0002-05	L07-1898-05	J13-0075-05	YES	NO	5A 250V	YES	NO	NO	YES	NO	NO	YES	YES	NO	YES	



(X07-286X-XX)

DESTINATION	COUNTRY	UNIT No.	C29-36	C37-52	D26	F1-4	F5	X07 D/5	J1	J2
U.S.A.	K	X07-2860-10	NO	YES	RD4.7ES(B2) or HZS4.7N(B2)	1.6A 250V	2A 250V	NO	E70-0055-05	E70-0049-05
CANADA	P	X07-2861-01	NO	YES	RD4.7ES(B2) or HZS4.7N(B2)	1.6A 250V	2A 250V	YES	E70-0055-05	E70-0049-05
PX	Y	X07-2860-21	YES	NO	RD6.8ES(B2) or HZS6.8N(B2)	T1.25AL 250V	T1.25AL 250V	NO	E70-0055-05	E70-0049-05
GENERAL MARKET	M	X07-2860-22 (Gold Version)	YES	NO	RD6.8ES(B2) or HZS6.8N(B2)	T1.25AL 250V	T1.25AL 250V	NO	E70-0060-05	E70-0059-05
GERMANY	G									
AUSTRALIA	X									
U.K.	T									
EUROPE	E									



KR-X1000(K) (6/7)

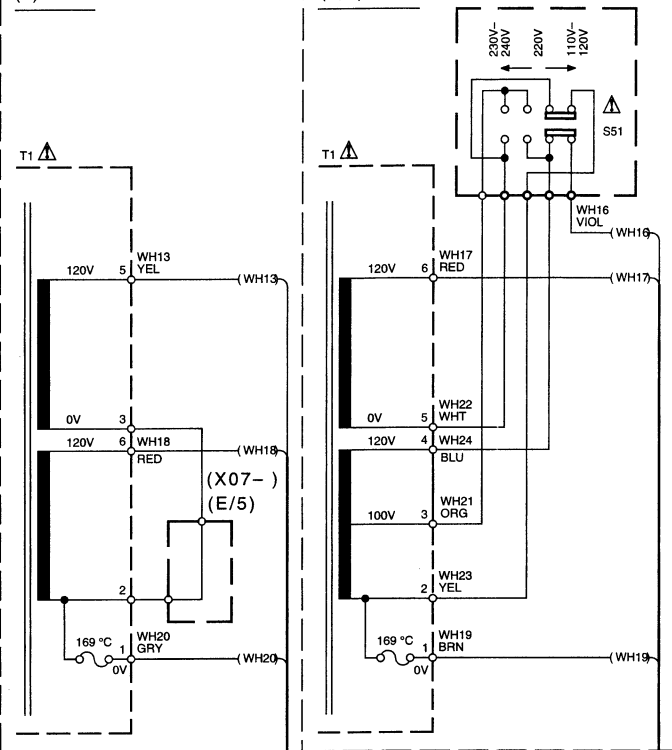
(X07-286X-X0)

DESTINATION COUNTRY	ABB.	UNIT No.	C28-36, 74, 75	C37-52, 76-79	D26	F1-4	F5	X07 D/5	J1	J2
U.S.A.	K	X07-2860-10	NO	YES	RD4.7ES(B2) or HZS4.7N(B2)	1.6A 250V	2A 250V	NO	E70-0055-05	E70-0049-05
CANADA	P	X07-2861-01	NO	YES	RD4.7ES(B2) or HZS4.7N(B2)	1.6A 250V	2A 250V	YES	E70-0055-05	E70-0049-05
PX	Y									
GENERAL MARKET	M									
GERMANY	G	X07-2860-21	YES	NO	RD6.8ES(B2) or HZS6.8N(B2)	T1.25AL 250V	T1.25AL 250V	NO	E70-0055-05	E70-0049-05
AUSTRALIA	X									
U.K.	T									
EUROPE	E									
GENERAL MARKET	M	X07-2860-22 (Gold Version)	YES	NO	RD6.8ES(B2) or HZS6.8N(B2)	T1.25AL 250V	T1.25AL 250V	NO	E70-0060-05	E70-0059-05

(P) TYPE

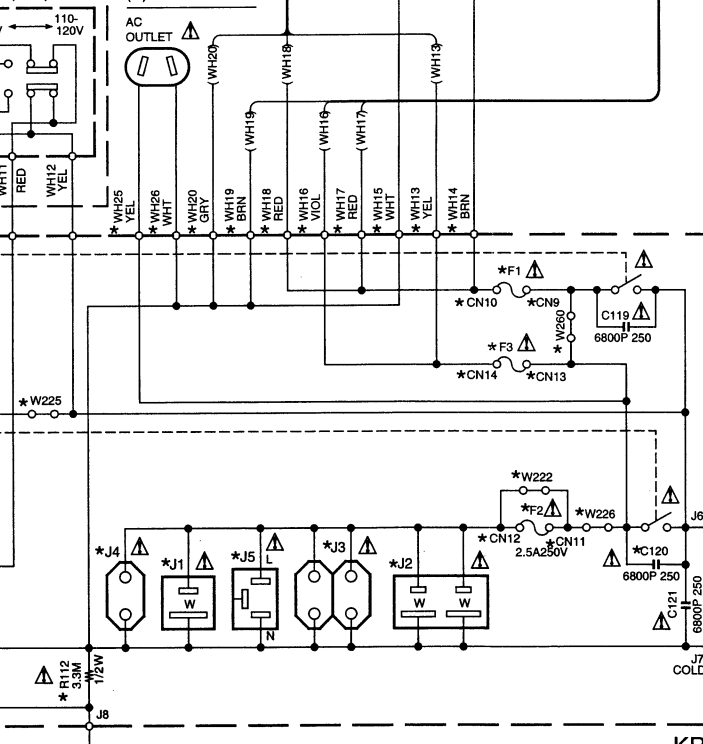
(Y,M) TYPE

(X11-) (D/6)



(X11-) (E/6)

(X) TYPE ONLY



SIGNAL LINE
GND LINE
+B LINE
-B LINE

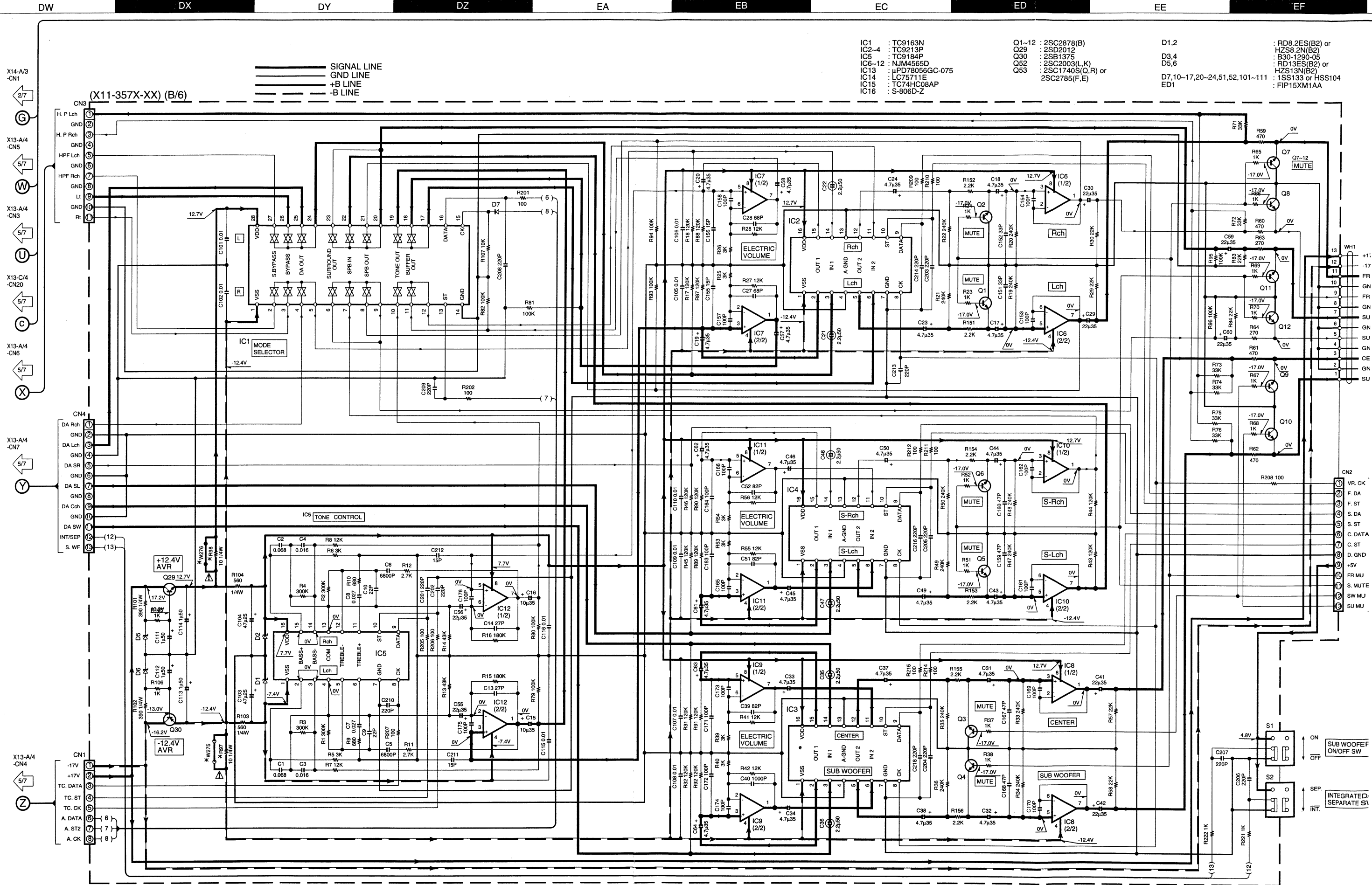
(K,P)
AC120V 60Hz
(Y,M)
AC110-120V/
AC220V/AC230-240V
50/60Hz
(X)
AC240V 50Hz
(T,E,G)
AC230V
50Hz

KR-X1000(K) (6/7)

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.

- Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.
- Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Voltmeter gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen instrumenten oder Geräten u.U. geringfügig.
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KR-X1000/(G)
KENWOOD



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.

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

• Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Voltmeter gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen instrumenten oder Geräten u.U. geringfügig.

• DC
vo
inc

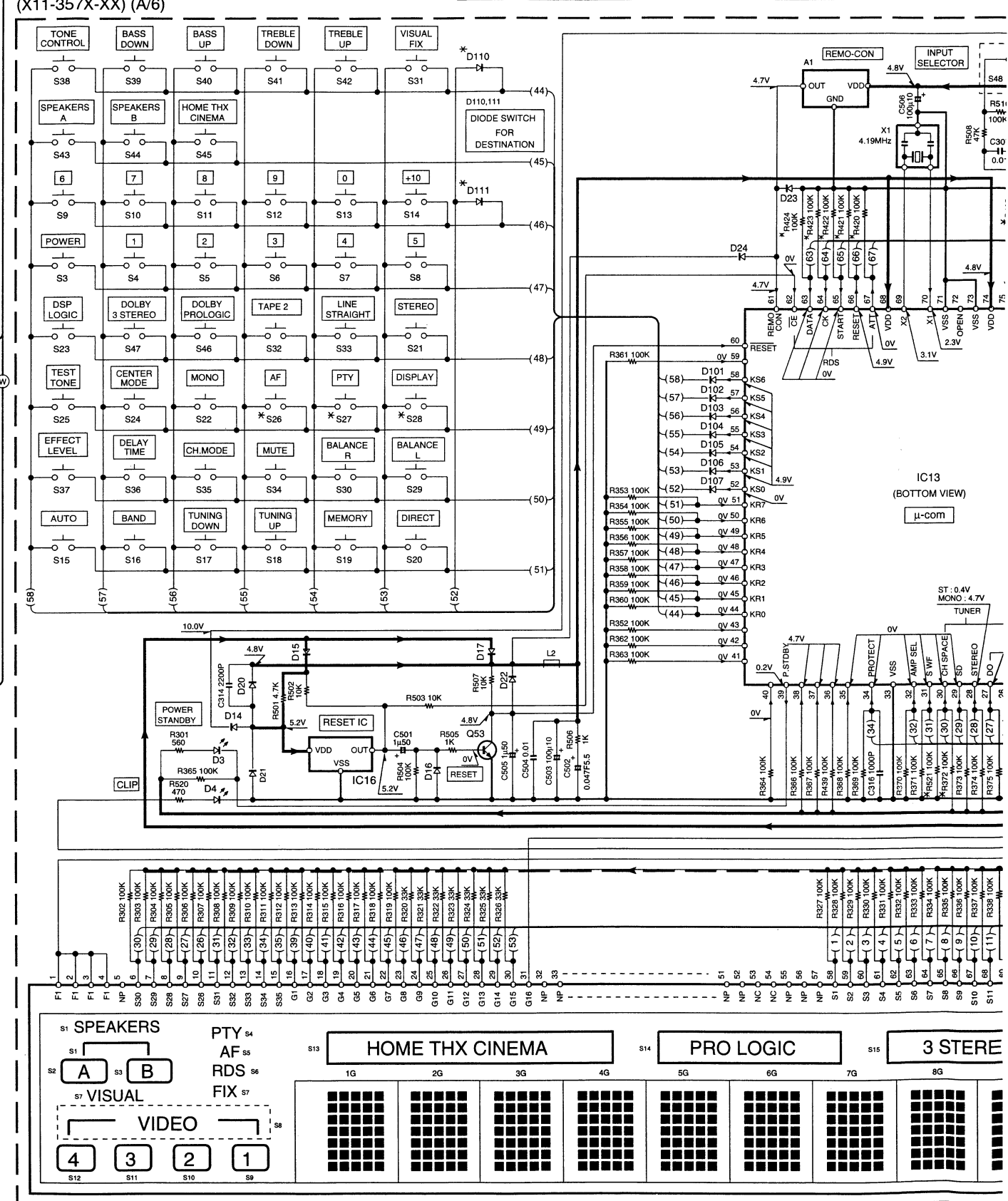
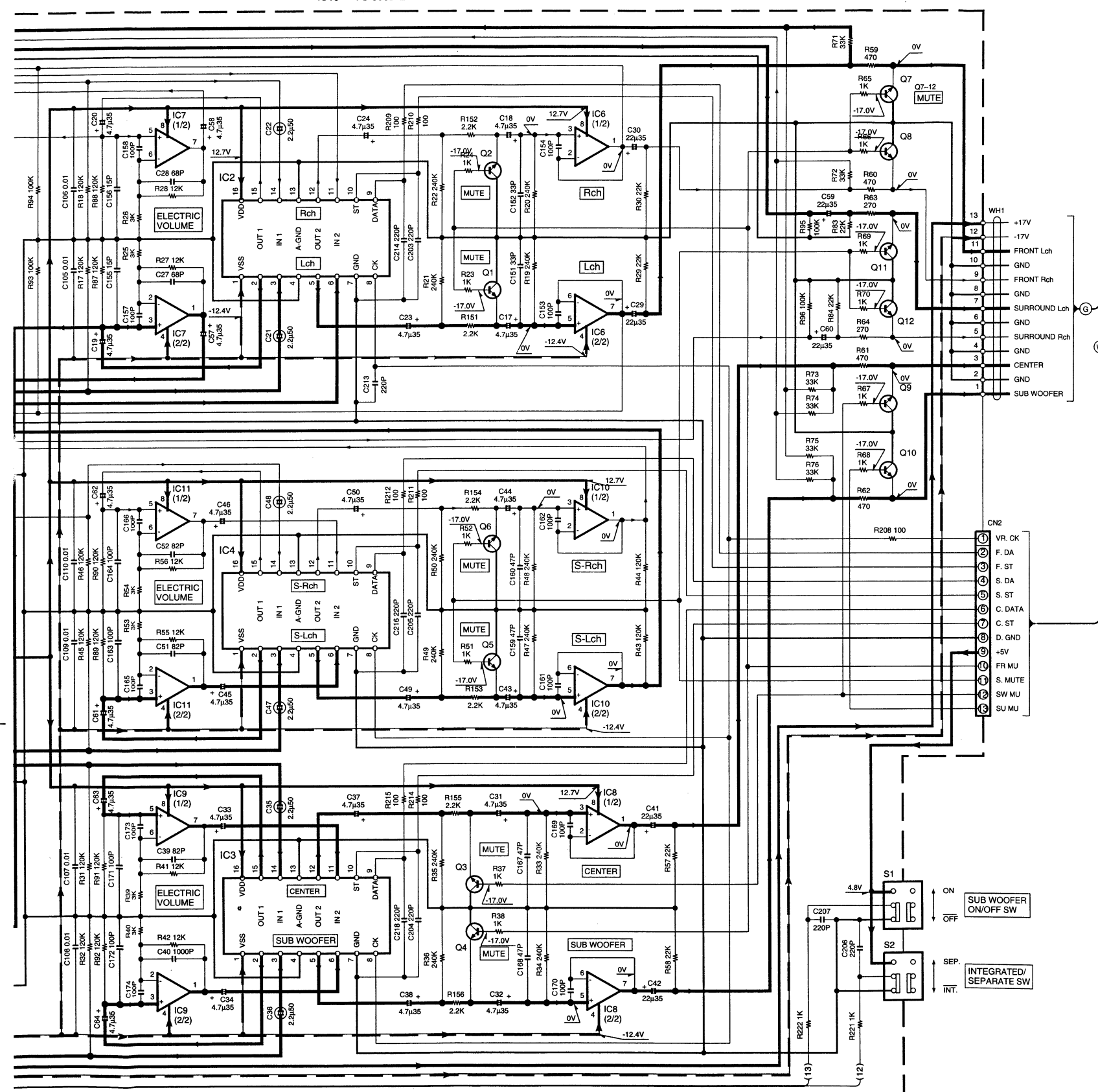
IC1 : TC9163N
 IC2 : TC9213P
 IC3 : TC9184P
 IC4 : NJM4565D
 IC5 : μ PD78056GC-075
 IC13 : TC75711E
 IC14 : TC74HC08AP
 IC15 : S-806D-Z

Q1-12 : 2SC2878(B)
 Q29 : 2SD2012
 Q30 : 2SB1375
 Q52 : 2SC2003(L,K)
 Q53 : 2SC1740S(Q,R) or 2SC2785(F,E)

D1,2 : RD8.2ES(B2) or HZS8.2N(B2)
 D3,4 : B30-1290-05
 D5,6 : RD13ES(B2) or HZS13N(B2)
 D7,10-17,20-24,51,52,101-111 : 1SS133 or HSS104
 ED1 : FIP15XM1AA

(X11-357X-XX) (A/6)

DESTINATION	COUNTRY	ABB.	UNIT No.	R97-98	R372	R383-388	R420-425	R521	D110	D111	W275	S26-28
U.S.A.	K	X11-3570-10	NO	YES	NO	YES	NO	NO	NO	NO	YES	NO
CANADA	P	X11-3571-01	NO	YES	NO	YES	NO	NO	NO	NO	YES	NO
PX	Y	X11-3572-91	YES	YES	NO	YES	NO	YES	NO	NO	NO	NO
GENERAL MARKET	M	X11-3570-21	YES	NO	NO	YES	NO	YES	NO	NO	NO	NO
AUSTRALIA	X	X11-3570-71	YES	NO	NO	YES	YES	YES	YES	NO	NO	NO
U.K.	T	X11-3570-51	YES	YES	YES	NO	NO	NO	YES	YES	NO	YES
EUROPE	E	X11-3572-71	YES	YES	YES	YES	NO	NO	YES	YES	NO	YES
GERMANY	G	X11-3572-71	YES	YES	YES	YES	NO	NO	YES	YES	NO	YES



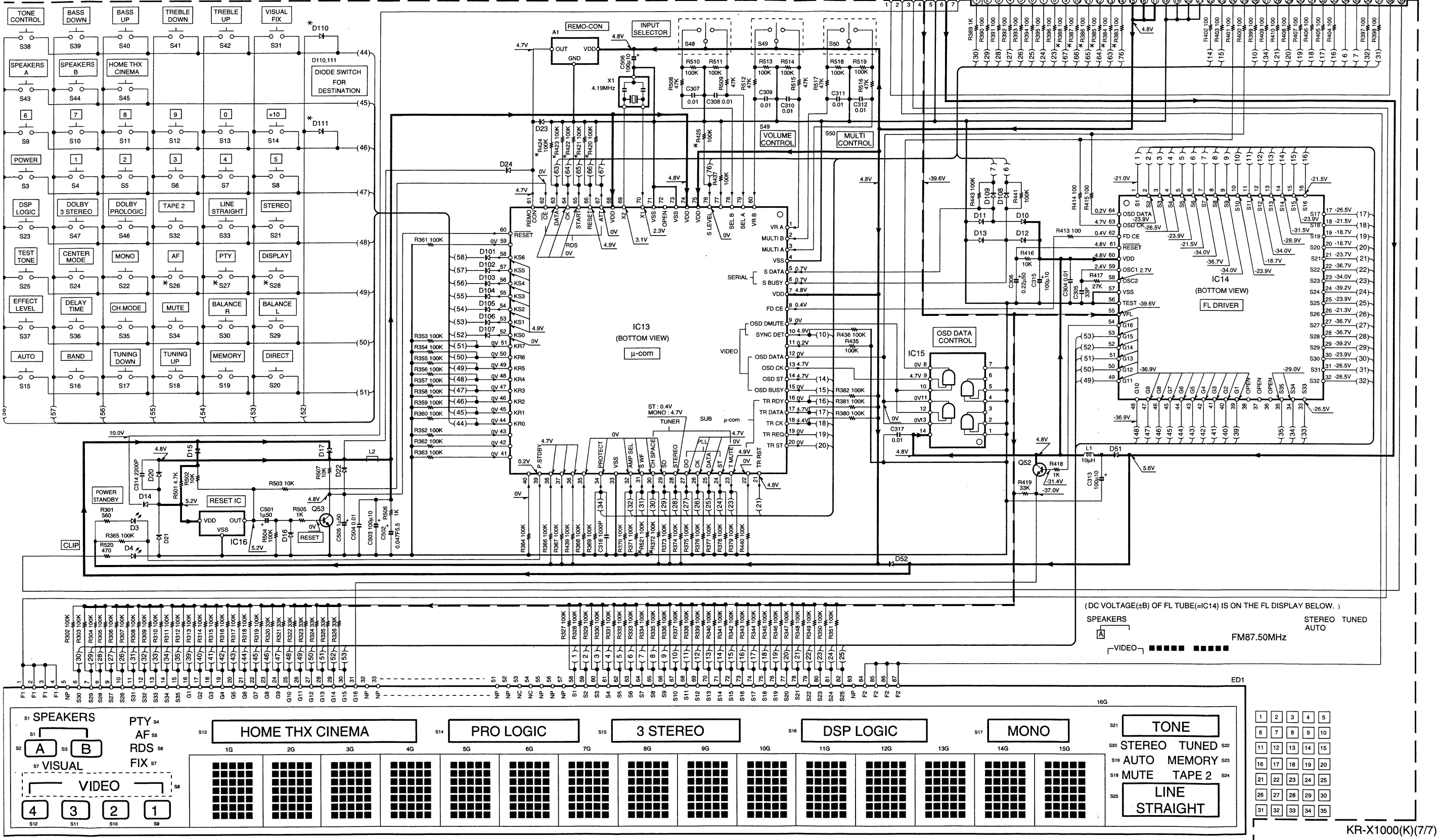
• Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

• Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Voltmeter gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen instrumenten oder Geräten u.U. geringfügig.

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

DESTINATION	COUNTRY	ABB	UNIT No.	R97-98	R372	R383-388	R420-425	R521	D110	D111	W275-276	S26-28
U.S.A.	K	X11-3570-10	NO	YES	NO	YES	NO	YES	NO	NO	YES	NO
CANADA	P	X11-3571-01	NO	YES	NO	YES	NO	YES	NO	NO	YES	NO
PX	Y	X11-3572-91	YES	YES	NO	YES	NO	YES	NO	NO	NO	NO
GENERAL MARKET	M	X11-3570-21	YES	YES	NO	YES	NO	YES	NO	NO	NO	NO
AUSTRALIA	X	X11-3570-71	YES	NO	NO	YES	YES	YES	NO	NO	NO	NO
U.K.	T	X11-3570-51	YES	YES	NO	NO	YES	YES	NO	YES	NO	YES
EUROPE	E	X11-3572-71	YES	YES	YES	NO	NO	YES	YES	NO	NO	YES
GERMANY	G	X11-3572-71	YES	YES	YES	NO	NO	YES	YES	NO	NO	YES

11-357X-XX (A/6)



as measured with a high impedance
may vary slightly due to variations between
parts or/and units.

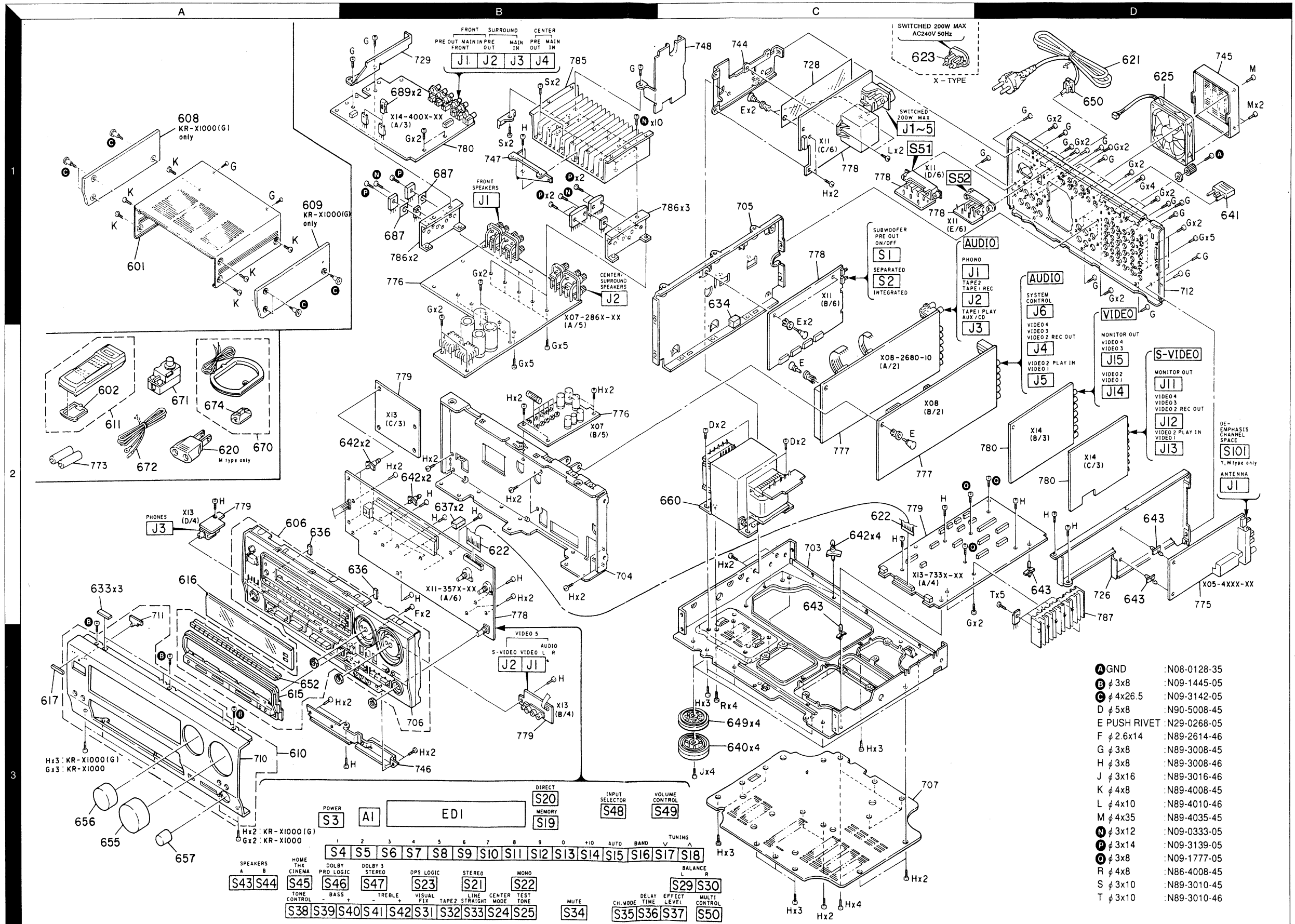
KR-X1000(K)(7/7)

KR-X1000/(G)

KENWOOD

KR-X1000(G) KR-X1000(G)

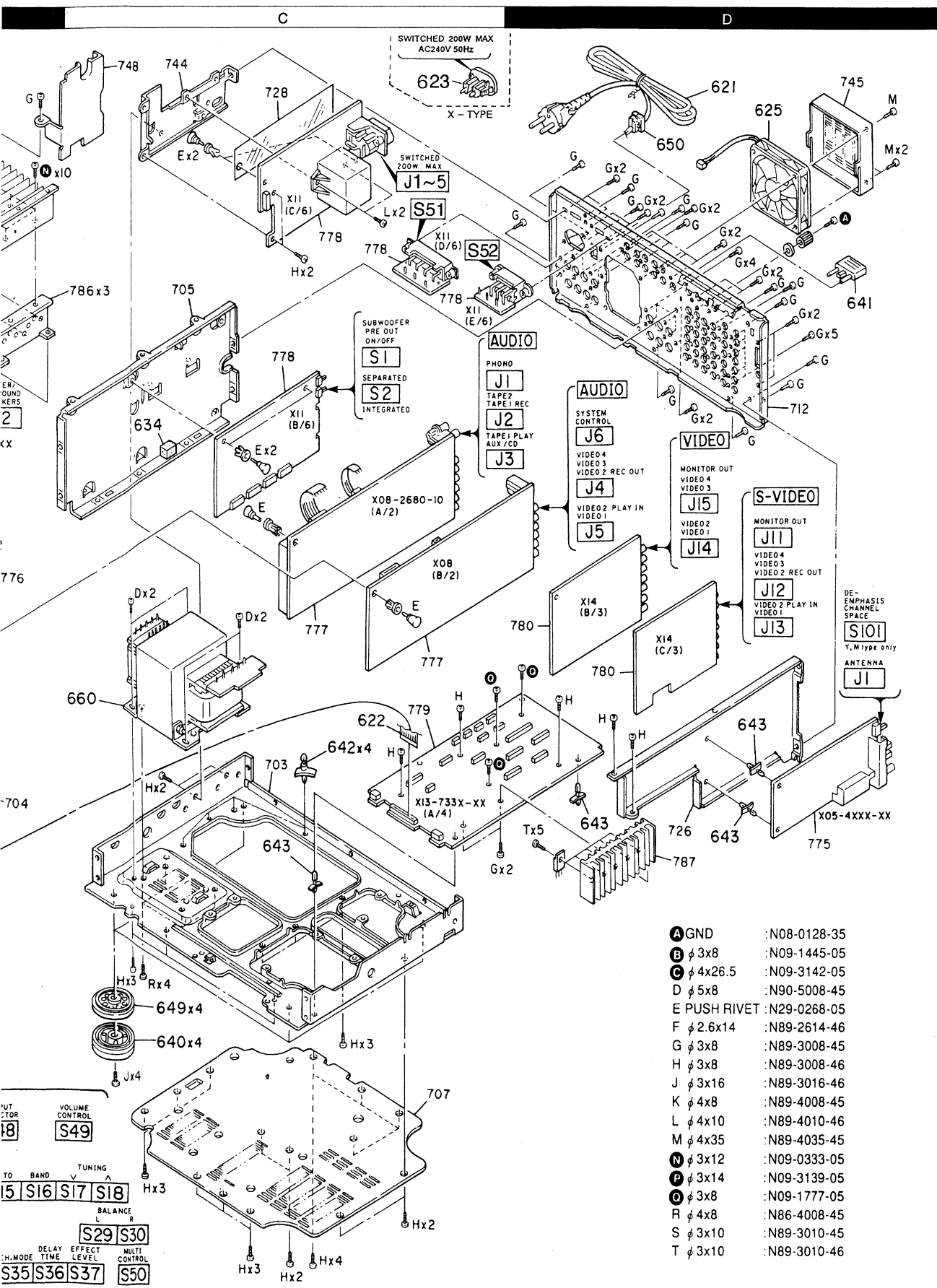
EXPLODED VIEW



Parts with the exploded numbers larger than 700 are not supplied.

KR-X1000(G)

KR-X1000(



Parts with the exploded numbers larger than 700 are not supplied.

* New Parts				NO.2	
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.	Add-ress	New Part No.	Parts No.	Description	Desti-nation
-		**	H50-1518-04	ITEM CARTON CASE	T
-		**	H50-1519-04	ITEM CARTON CASE	
-		**	H10-7019-02	POLYSTYRENE FOAMED FIXTURE(L)	G
-		**	H10-7020-02	POLYSTYRENE FOAMED FIXTURE(H)	G
-		**	H10-7054-11	POLYSTYRENE FOAMED FIXTURE(T)	G
-		**	H10-7055-11	POLYSTYRENE FOAMED FIXTURE(B)	G
-		**	H12-2208-14	PACKING FIXTURE	T
-		**	H12-2208-04	CARTON BOARD	KPYMXE
-		**	H13-2209-04	CARTON BOARD	KPYMXE
-		**	H25-0232-04	PROTECTION BAG (235X350X0.03)	
-		H25-0232-04		PROTECTION BAG (235X350X0.03)	G
-		H25-0383-04		PROTECTION BAG (235X350X0.03)	
-		H25-0651-04		PROTECTION BAG (0232 PRINTED)	T
-		H25-0692-04		PROTECTION BAG	G
640	3C		J02-1002-05	FOOT	G
640	3C	*	J02-1134-05	FOOT	
641	1D		J12-0091-15	PIN	
642	2B,2C		J19-3324-15	UNIT HOLDER	
643	2C,2D		J19-3325-05	UNIT HOLDER	
649	3C		J39-0186-04	SPACER	
650	1D		J42-0083-05	POWER CORD BUSHING	
-			J61-0307-05	WIRE BAND	
652	3A	*	K29-6128-03	KNOB	G
652	3A	*	K29-6129-03	KNOB	
655	3A	*	K29-6130-04	KNOB	G
655	3A	*	K29-6161-04	KNOB	G
656	3A	*	K29-6131-04	KNOB	G
656	3A	*	K29-6162-04	KNOB	K
657	3A	*	K29-6132-04	KNOB	YM
657	3A	*	K29-6163-04	KNOB	X
660	2C		L07-1933-15	POWER TRANSFORMER	TEG
660	2C	*	L07-1934-15	POWER TRANSFORMER	P
660	2C	*	L07-1935-15	POWER TRANSFORMER	
660	2C	*	L07-1936-15	POWER TRANSFORMER	
660	2C	*	L07-1980-15	POWER TRANSFORMER	
-			L92-0035-05	FERRITE CORE	
A	1D		N08-0128-35	BINDING POST (GND)	
B	2A,3A		N08-1445-05	SET SCREW (M3X8)	
C	1A,1B		N09-3142-05	DRESSED SCREW (4X26.5,+)	
D	2C	*	N90-5008-45	TP HEAD MACHINE SCREW	
E	1C,2C		N29-0268-05	PUSH RIVET	
F			N89-2614-46	BINDING HEAD TAPITITE SCREW	
G	1B,1D		N89-3008-45	BINDING HEAD TAPITITE SCREW	
H	2B,3C		N89-3008-46	BINDING HEAD TAPITITE SCREW	
I	3C	*	N89-3016-45	BINDING HEAD TAPITITE SCREW	
J	1C		N89-4008-45	BINDING HEAD TAPITITE SCREW	
K	1A		N89-4010-46	BINDING HEAD TAPITITE SCREW	
L	1C		N89-4010-46	BINDING HEAD TAPITITE SCREW	
M	1D	*	N89-4035-45	BINDING HEAD TAPITITE SCREW	
Q	2D		N09-1777-05	SEMS (TAPITITE SCREW)	
R	3C		N86-4008-45	BINDING HEAD TAPITITE SCREW	
S	1B		N89-3010-45	BINDING HEAD TAPITITE SCREW	
670	2A		T90-0195-05	LOOP ANTENNA ASSY	
671	2A		T90-0198-05	ANTENNA ADAPTOR	
* Scandinavia				K1USA	
				P-Canada	
				R-Mexico	
				Remark G - Gold version	

* 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.

NO.1

Ref. No.	Add-ress	New Part	Parts No.	Description	Desti-nation	Re-marks
KR-X1000(G)						
601	1A	*	A01-3224-01	METALLIC CABINET	KPYMX TEG	G
601	1A	*	A01-3234-01	METALLIC CABINET		
602	2A	*	A09-0193-08	BATTERY COVER		
606	2A	*	A22-1695-22	SUB PANEL ASSY		
606	2A	*	A22-1697-22	SUB PANEL ASSY	KPYMX TEG	G G G
606	2A	*	A22-1705-22	SUB PANEL ASSY		
608	1A	*	A50-0379-03	SIDE PLATE ASSY LEFT		
609	1A	*	A50-0381-03	SIDE PLATE ASSY RIGHT		
610	3A	*	A60-0723-12	PANEL ASSY	KPYMX TEG	G
610	3A	*	A60-0725-12	PANEL ASSY		
610	3A	*	A60-0749-12	PANEL ASSY		
611	2A	*	A70-1019-05	REMOTE CONTROLLER ASSY		
611	2A	*	A70-1027-05	REMOTE CONTROLLER ASSY	KY X P K TEG	G G
615	3A	*	B07-2282-02	ESCUTCHEON		
615	3A	*	B07-2283-02	ESCUTCHEON		
616	2A	*	B10-2103-03	FRONT GLASS		
616	2A	*	B10-2104-03	FRONT GLASS	KY X P K TEG	G G
617	3A	*	B43-0287-04	KENWOOD BADGE		
-	-	*	B46-0092-43	WARRANTY CARD		
-	-	*	B46-0096-53	WARRANTY CARD	KY X P K TEG	G G
-	-	*	B46-0121-33	WARRANTY CARD		
-	-	*	B46-0197-00	QUESTIONNAIRE CARD		
-	-	*	B46-0310-03	WARRANTY CARD		
-	-	*	B58-0964-13	CAUTION CARD (CAUTION UL)	KPYMX T P M EG	G
-	-	*	B58-0965-13	CAUTION CARD (TX TYPE PL)		
-	-	*	B58-0966-13	CAUTION CARD (ELM TYPE PL)		
-	-	*	B58-0968-04	CAUTION CARD		
-	-	*	B58-0970-13	CAUTION CARD (RG TYPE PL)	KPYMX T P M EG	G
-	-	*	B60-2100-00	INSTRUCTION MANUAL(EN)		
-	-	*	B60-2101-00	INSTRUCTION MANUAL(EN)		
-	-	*	B60-2102-00	INSTRUCTION MANUAL(FR)		
-	-	*	B60-2103-00	INSTRUCTION MANUAL(SP/C)	E E E M	G G G M
-	-	*	B60-2104-00	INSTRUCTION MANUAL(G)		
-	-	*	B60-2232-00	INSTRUCTION MANUAL(FR/D)		
-	-	*	B60-2233-00	INSTRUCTION MANUAL(IT/SP)		
-	-	*	B60-2234-00	INSTRUCTION MANUAL(TAIWAN)	M Y Kp MEG X	G
620	2A	*	E19-0207-05	AC PLUG ADAPTER		
621	1D	*	E30-0095-05	AC POWER CORD		
621	1D	*	E30-0096-05	AC POWER CORD		
621	1D	*	E30-2579-05	AC POWER CORD	T X	G G G M
621	1D	*	E30-2714-05	AC POWER CORD		
621	2B	*	E30-2718-05	AC POWER CORD		
622	2B,2C	*	E31-7803-05	WIRING HARNESS(39P)X11-X13		
623	1C	*	E03-0141-05	AC OUTLET	KPYXEG M	G G G M
625	1D	*	F09-0095-05	FAN		
633	2A	*	G11-0155-14	SOFT TAPE (40X9X2)		
634	1C	*	G11-2192-04	CUSHION		
636	2A,2B	*	G11-2236-04	CUSHION (25X5X1)	KPYXEG M	G G G M
637	2B	*	G11-2237-04	CUSHION (20X10X30)		
-	-	*	H50-1476-04	ITEM CARTON CASE		
-	-	*	H50-1477-04	ITEM CARTON CASE		

Scandinavia

K:USA

P:Canada

R:Mexico

Remark G : Gold version

* New Parts
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NO.1

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
KR-X1000(G)						
601	1A	**	A01-3224-01	METALLIC CABINET	KPYMX TEG	G
601	1A	**	A01-3234-01	METALLIC CABINET		
602	2A	**	A09-0169-08	BATTERY COVER		
606	2A	**	A22-1695-22	SUB PANEL ASSY		
606	2A	**	A22-1697-22	SUB PANEL ASSY	KPYMX TEG	G
606	2A	**	A22-1705-22	SUB PANEL ASSY		
608	1A	**	A50-0370-03	SIDE PLATE ASSY LEFT		
609	1A	**	A50-0371-03	SIDE PLATE ASSY RIGHT		
610	3A	**	A60-0723-12	PANEL ASSY	KPYMX TEG	G
610	3A	**	A60-0725-12	PANEL ASSY		
610	3A	**	A60-0749-12	PANEL ASSY		
611	3A	**	A70-1019-05	REMOTE CONTROLLER ASSY		
611	2A	**	A70-1027-05	REMOTE CONTROLLER ASSY	KY X P	G
615	3A	**	B07-2282-02	ESCUTCHEON		
615	3A	**	B07-2283-02	ESCUTCHEON		
616	2A	**	B10-2103-03	FRONT GLASS		
616	2A	**	B10-2104-03	FRONT GLASS	KPYMX TEG	G
617	3A	**	B43-0287-04	KENWOOD BADGE		
-	-	**	B46-0082-43	WARRANTY CARD		
-	-	**	B46-0096-53	WARRANTY CARD	K TEG	G
-	-	**	B46-0171-33	WARRANTY CARD		
-	-	**	B46-0370-00	QUESTIONNAIRE CARD		
-	-	**	B46-0310-03	WARRANTY CARD		
-	-	**	B58-0964-13	CAUTION CARD (CAUTION LIL)	KY PXT ME Y	G
-	-	**	B58-0965-13	CAUTION CARD (TX TYPE PL)		
-	-	**	B58-0966-13	CAUTION CARD (ELM TYPE PL)		
-	-	**	B58-0968-04	CAUTION CARD		
-	-	**	B58-0970-13	CAUTION CARD (RG TYPE PL)	KPYMX T P M EG	G
-	-	**	B60-2100-00	INSTRUCTION MANUAL(EN)		
-	-	**	B60-2101-00	INSTRUCTION MANUAL(EN)		
-	-	**	B60-2102-00	INSTRUCTION MANUAL(EN)		
-	-	**	B60-2103-00	INSTRUCTION MANUAL(SP/C)	E E M	G
-	-	**	B60-2104-00	INSTRUCTION MANUAL(G)		
-	-	**	B60-2232-00	INSTRUCTION MANUAL(ER/D)		
-	-	**	B60-2233-00	INSTRUCTION MANUAL(IT/SP)		
-	-	**	B60-2234-00	INSTRUCTION MANUAL(TAIWAN)	M Y KP MEG X	G
-	-	**	E19-0207-05	AC PLUG ADAPTER		
-	-	**	E30-0685-05	AC POWER CORD		
-	-	**	E30-0978-05	AC POWER CORD		
-	-	**	E30-2579-05	AC POWER CORD	T X	G
-	-	**	E30-2714-05	AC POWER CORD		
-	-	**	E30-2718-05	AC POWER CORD		
-	-	**	E31-7803-05	WIRING HARNESS(39P)X11-X13		
-	-	**	E03-0141-05	AC OUTLET	FAN	G
-	-	**	F09-0085-05	FAN		
-	-	**	G11-0155-14	SOFT TAPE (40X9X2)		
-	-	**	G11-2192-04	CUSHION		
-	-	**	G11-2236-04	CUSHION	KPYXEG M	G
-	-	**	G11-2237-04	CUSHION		
-	-	**	H50-1476-04	ITEM CARTON CASE		
-	-	**	H50-1477-04	ITEM CARTON CASE		

KR-X1000(G)

PARTS LIST

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NO.2

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
-	-	**	H50-1518-04	ITEM CARTON CASE	T	G
-	-	**	H50-1519-04	ITEM CARTON CASE		
-	-	**	H10-7019-02	POLYSTYRENE FOAMED FIXTURE(L)		
-	-	**	H10-7020-02	POLYSTYRENE FOAMED FIXTURE(R)		
-	-	**	H10-7054-11	POLYSTYRENE FOAMED FIXTURE(T)	T	G
-	-	**	H10-7055-11	POLYSTYRENE FOAMED FIXTURE(B)		
-	-	**	H12-2230-14	PACKING FIXTURE		
-	-	**	H13-0208-04	CARTON BOARD		
-	-	**	H13-0209-04	CARTON BOARD	KPYMX KPYMXE	G
-	-	**	H25-0232-04	PROTECTION BAG (235X350X0.03)		
-	-	**	H25-0383-04	PROTECTION BAG (235X350X0.03)		
-	-	**	H25-0651-04	PROTECTION BAG (0232 PRINTED)		
-	-	**	H25-0692-04	PROTECTION BAG	T	G
-	-	**	J02-1002-05	FOOT		
-	-	**	J02-1134-05	FOOT		
-	-	**	J12-0091-15	PIN		
-	-	**	J19-3324-15	UNIT HOLDER	K YM X TEG P	G
-	-	**	J19-3325-05	UNIT HOLDER		
-	-	**	J39-0186-04	SPACER		
-	-	**	J42-0083-05	POWER CORD BUSHING		
-	-	**	J61-0307-05	WIRE BAND	10 KEY 10 KEY VOLUME CONTROL VOLUME CONTROL INPUT SELECTOR	G
-	-	**	K29-6128-03	KNOB		
-	-	**	K29-6129-03	KNOB		
-	-	**	K29-6130-04	KNOB		
-	-	**	K29-6161-04	KNOB	KNOB INPUT SELECTOR MULTI CONTROL	G
-	-	**	K29-6131-04	KNOB		
-	-	**	K29-6162-04	KNOB		
-	-	**	K29-6132-04	KNOB		
-	-	**	K29-6163-04	KNOB	POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER POWER TRANSFORMER	G
-	-	**	L07-1933-15	POWER TRANSFORMER		
-	-	**	L07-1934-15	POWER TRANSFORMER		
-	-	**	L07-1935-15	POWER TRANSFORMER		
-	-	**	L07-1936-15	POWER TRANSFORMER	FERRITE CORE	G
-	-	**	L07-1980-15	POWER TRANSFORMER		
-	-	**	L92-0035-05	FERRITE CORE		
-	-	**	N08-0128-35	BINDING POST (GND)	SET SCREW (M3X8) DRESSED SCREW (4X26.5+) TP HEAD MACHINE SCREW PUSH RIVET	G
-	-	**	N09-1445-05	SET SCREW (M3X8)		
-	-	**	N09-3142-05	DRESSED SCREW (4X26.5+)		
-	-	**	N90-5008-45	TP HEAD MACHINE SCREW		
-	-	**	N29-0268-05	PUSH RIVET	BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW	G
-	-	**	N89-2614-46	BINDING HEAD TAPTITE SCREW		
-	-	**	N89-3008-45	BINDING HEAD TAPTITE SCREW		
-	-	**	N89-3008-46	BINDING HEAD TAPTITE SCREW		
-	-	**	N89-3016-46	BINDING HEAD TAPTITE SCREW	BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW	G
-	-	**	N89-4008-45	BINDING HEAD TAPTITE SCREW		
-	-	**	N89-4010-46	BINDING HEAD TAPTITE SCREW		
-	-	**	N89-4035-45	BINDING HEAD TAPTITE SCREW		
-	-	**	N09-1777-05	SEMS (TAPTITE SCREW) G	BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW BINDING HEAD TAPTITE SCREW LOOP ANTENNA ASSY	G
-	-	**	N86-4008-45	BINDING HEAD TAPTITE SCREW		
-	-	**	N89-3010-45	BINDING HEAD TAPTITE SCREW		
-	-	**	T90-0195-05	LOOP ANTENNA ASSY		
-	-	**	T90-0198-05	ANTENNA ADAPTOR	K YM X TEG P	G
-	-	**	670	2A		
-	-	**	671	2A		

KR-X1000(G)

PARTS LIST

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NO.4

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
L106	-	-	L40-1091-17	SMALL FIXED INDUCTOR(1UH)	KPYMX KPYMX KPYMX	G
X1	-	-	L77-1122-05	CRYSTAL RESONATOR(7.2MHz)		
X2	-	-	L78-0295-05	RESONATOR (456kHz)		
R1	-	-	RK73FB2A681J	CHIP R		
R2	-	-	RK73FB2A332J	CHIP R	J	1/10W
R3	-	-	RK73FB2A331J	CHIP R		
R4	-	-	RK73FB2A470J	CHIP R		
R6	-	-	RK73FB2A331J	CHIP R		
R11	-	-	RS14KB3A820J	FL-PROOF RS	J	1W
R15	-	-	RK73FB2A391J	CHIP R		
R19	-	-	RK73FB2A332J	CHIP R		
R21,22	-	-	RK73FB2A393J	CHIP R		
R24	-	-	RK73FB2A102J	CHIP R	J	1/10W
R25	-	-	RK73FB2A103J	CHIP R		
R31	-	-	RS14KB3D221J	FL-PROOF RS		
R32-37	-	-	RK73FB2A102J	CHIP R		
R88	-	-	RK73FB2A221J	CHIP R	J	1/10W
R89	-	-	RK73FB2A221J	CHIP R		
R99	-	-	RK73FB2A822J	CHIP R		
R40	-	-	RK73FB2A102J	CHIP R		
R42	-	-	RD14NB2E101J	RD	J	1/10W
R43	-	-	RK73FB2A103J	CHIP R		
R52	-	-	RK73FB2A472J	CHIP R		
R64	-	-	RK73FB2A104J	CHIP R		
R101,102	-	-	RK73FB2A333J	CHIP R	J	1/10W
R105,106	-	-	RK73FB2A123J	CHIP R		
R111	-	-	RD14NB2E470J	RD		
R118	-	-	RK73FB2A123J	CHIP R		
R119	-	-	RK73FB2A123J	CHIP R	J	1/10W
R122	-	-	RK73FB2A122J	CHIP R		
R123	-	-	RK73FB2A123J	CHIP R		
R124	-	-	RK73FB2A103J	CHIP R		
R125,126	-	-	RK73FB2A332J	CHIP R	J	1/10W
R127,128	-	-	RD14NB2E101J	RD		
R131,132	-	-	RK73FB2A393J	CHIP R		
R138,139	-	-	RK73FB2A561J	CHIP R		
R140,141	-	-	RK73FB2A473J	CHIP R	J	1/10W
R151	-	-	RK73FB2A821J	CHIP R		
R152	-	-	RK73FB2A473J	CHIP R		
R153	-	-	RK73FB2A472J	CHIP R		
R156,157	-	-	RK73FB2A102J	CHIP R	J	1/10W
R167	-	-	RK73FB2A104J	CHIP R		
W46	-	-	R82-0670-05	0 OHM		
W48	-	-	R82-0670-05	0 OHM		
S101	-	-	S62-0034-05	SLIDE SWITCH	CHANNEL SPACE	YM
D3	-	-	HZS5.1N(B2)	ZENER DIODE		
D3	-	-	HD5.1ES(B2)	ZENER DIODE		
D4	-	-	HZS3.3N(B2)	ZENER DIODE		
D4	-	-	RD3.3ES(B2)	ZENER DIODE	DIODE	KPYMX KPYMX KPYMX KPYMX
D7	-	-	MA111	DIODE		
D8	-	-	HSS104	DIODE		
D8	-	-	1SS133	DIODE		
D11	-	-	HZS8.2N(B2)	ZENER DIODE	KPYMX KPYMX KPYMX KPYMX	G
D11	-	-	RD8.2ES(B2)	ZENER DIODE		
D111,112	-	-	MA111	DIODE		

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NO.3

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
672	2A		T90-0801-05	LEAD WIRE ANTENNA		
674	2A		J19-3845-05	ANTENNA STAND		
TUNER UNIT (X05-4460-XX) K,P,Y,M,X type						
C1,2			CK73FB1H103K	CHIP C	KPYMX	
C4			CE04LW1A470M	ELECTRO	KPYMX	
C5			CK73FB1H103K	CHIP C	KPYMX	
C8			CK73FB1H103K	CHIP C	KPYMX	
C10			CK73FB1H102K	CHIP C	KPYMX	
C11			CE04LW1H4R7M	ELECTRO	KPYMX	
C13			CE04LW1H012M	ELECTRO	KPYMX	
C14			CE04LW1H2R2M	ELECTRO	KPYMX	
C21,22			CO92FM1H163J	MYLAR	YMX	
C21,22			CO92FM1H243J	MYLAR	KP	
C23			CE04LW1H010M	ELECTRO	KPYMX	
C24			CE04LW1H3R3M	ELECTRO	KPYMX	
C25			CE04LW1V100M	ELECTRO	KPYMX	
C27			CK73FB1E473K	CHIP C	KPYMX	
C28			CE04LW1V100M	ELECTRO	KPYMX	
C31			CE04LW1A470M	ELECTRO	KPYMX	
C32			CK73FB1H103K	CHIP C	KPYMX	
C33			CT73FCH1H270J	CHIP C	KPYMX	
C34			CT73FCH1H220J	CHIP C	KPYMX	
C35-38			CK73FB1H471K	CHIP C	KPYMX	
C39			CE04LW1C470M	ELECTRO	KPYMX	
C40			CK73FB1H223K	CHIP C	KPYMX	
C41			CE04LW1H010M	ELECTRO	KPYMX	
C42,43			CK73FB1H103K	CHIP C	KPYMX	
C50			C91-0769-05	CERAMIC	KPYMX	
C51			CE04LW1H010M	ELECTRO	KPYMX	
C52			CE04LW1C470M	ELECTRO	KPYMX	
C57			CT73FSL1H220J	CHIP C	KPYMX	
C65			CE04LW1H010M	ELECTRO	KPYMX	
C66			CK73FB1H102K	CHIP C	KPYMX	
C71			CE04LW1V100M	ELECTRO	KPYMX	
C72			CE04LW1C470M	ELECTRO	KPYMX	
C103-106			CE04LW1H47M	ELECTRO	KPYMX	
C107			CK73FB1E473K	CHIP C	KPYMX	
C112			CT73FSL1H101J	CHIP C	KPYMX	
C114			CK73FB1H681K	CHIP C	KPYMX	
C115,116			CT73FSL1H101J	CHIP C	KPYMX	
C121,122			CE04LW1C470M	ELECTRO	KPYMX	
C135,136			CO92FM1H682J	MYLAR	YM	
C182			CT73FSL1H150J	CHIP C	KPYMX	
CN1			E40-4234-05	FLAT CABLE CONNECTOR	KPYMX	
J1			E20-0321-05	LOCK TERMINAL BOARD	KPYMX	
CF1,2			L72-0531-05	CERAMIC FILTER	KPYMX	
CF3			L72-0574-05	CERAMIC FILTER	KPYMX	
L7			L30-0467-05	AM IFT	KPYMX	
L10			L40-1091-17	SMALL FIXED INDUCTOR(1UH)	KPYMX	
L11			L40-1021-14	SMALL FIXED INDUCTOR(1.0MH,K)	KPYMX	
L12			L40-1091-17	SMALL FIXED INDUCTOR(1UH)	KPYMX	
L103			L39-1328-05	COMBINATION COIL	KPYMX	

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NO.5

Ref. No.	Acc- ress	Parts No.	Description	Desti- nation	Re- marks
IC1		LA1831A-KEIN	ANALOGUE IC	KPYMX	
IC2		LC7218	IC(PLL FREQUENCY SYNTHESIZER)	KPYMX	
IC12		NJM4565D	IC(OP AMP X2)	KPYMX	
Q1		2SC2714(R,O)	TRANSISTOR	KPYMX	
Q2		2SC1645(F,E)	TRANSISTOR	KPYMX	
Q3		2SC1740S(Q,R)	TRANSISTOR	KPYMX	
Q3		2SC2785(F,E)	TRANSISTOR	KPYMX	
Q7		2SC2412K	TRANSISTOR	KPYMX	
Q11		2SD863(E,F)	TRANSISTOR	KPYMX	
Q10		2SA1037K	TRANSISTOR	KPYMX	
Q104		2SA1037K	TRANSISTOR	KPYMX	
Q107,108		2SC2412K	TRANSISTOR	KPYMX	
Q109,110		2SC2412K	TRANSISTOR	KPYMX	
Q111		2SA1037K	TRANSISTOR	KPYMX	
DT1		W02-2512-05	FM FRONT-END ASSY	KPYMX	
TUNER UNIT (X05-4532-70) T,E,G type					
C1,2		CK73FB1H103K	CHIP C	TEG	
C3		CE04LW1V100M	ELECTRO	TEG	
C4		CK73FB1E473K	CHIP C	TEG	
C5		CE04LW1V100M	ELECTRO	TEG	
C6		CK73FB1E473K	CHIP C	TEG	
C7		CE04LW1V100M	ELECTRO	TEG	
C8		CE04LW1H010M	ELECTRO	TEG	
C9		CE04LW1H47M	ELECTRO	TEG	
C10		CE04LW1H2R2M	ELECTRO	TEG	
C11		CE04LW1H47M	ELECTRO	TEG	
C12		CK73FB1E473K	CHIP C	TEG	
C13		CK73FCH1H22J	CHIP C	TEG	
C14		CE04LW1A101M	ELECTRO	TEG	
C15		CK73FB1H47K	CHIP C	TEG	
C16		CE04LW1H010M	ELECTRO	TEG	
C17,18		CE04LW1V100M	ELECTRO	TEG	
C19,20		CO92FM1H27J	MYLAR	TEG	
C21		CK73FB1H103K	CHIP C	TEG	
C22		CK73FSL1H101J	CHIP C	TEG	
C23,24		CE04LW1H2R2M	ELECTRO	TEG	
C25,26		CK73FB1H562K	CHIP C	TEG	
C27		CK73FB1E473K	CHIP C	TEG	
C28		CK73FSL1H150J	CHIP C	TEG	
C29		CE04LW1H010M	ELECTRO	TEG	
C30		CE04LW1C470M	ELECTRO	TEG	
C31		CK73FB1E473K	CHIP C	TEG	
C32		CK73FB1H103K	CHIP C	TEG	
C33		CK73FCH1H27J	CHIP C	TEG	
C34		CK73FCH1H22J	CHIP C	TEG	
C35-38		CK73FSL1H101J	CHIP C	TEG	
C39		CE04LW1C470M	ELECTRO	TEG	
C40		CO92FM1H22J	MYLAR	TEG	
C41		CE04HW1H2R2M	NP-ELEC	TEG	
C42,43		CK73FB1H103K	CHIP C	TEG	
C44		CE04LW1A470M	ELECTRO	TEG	
C45		CE04LW1C470M	ELECTRO	TEG	
C46		CE04LW1H010M	ELECTRO	TEG	

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

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NO.6

Ref. No.	Acc- ress	Parts No.	Description	Desti- nation	Re- marks
C47		CK73FB1H103K	CHIP C	TEG	
C48		CE04LW1H010M	ELECTRO	TEG	
C49		CK73FB1H103K	CHIP C	TEG	
C50		CK73FCH1H330J	CHIP C	TEG	
C51-54		CK73FB1H102K	CHIP C	TEG	
C55		CK73FB1H222K	CHIP C	TEG	
C56		CK73FCH1H060D	CHIP C	TEG	
C57		CK73FCH1H220J	CHIP C	TEG	
C58		CK73FB1E473K	CHIP C	TEG	
C60		CK73FSL1H101J	CHIP C	TEG	
C61		C91-0745-05	CERAMIC	TEG	
C62		CC45FSL1H020C	CERAMIC	TEG	
CN1	2D	E40-4234-05	FLAT CABLE CONNECTOR	TEG	
CN2	2D	E40-4295-05	FLAT CABLE CONNECTOR	TEG	
J1		E20-0321-05	LOCK TERMINAL BOARD	TEG	
CF1,2		L72-0536-05	CERAMIC FILTER	TEG	
L1,2		L79-1219-05	LC FILTER	TEG	
L3		L30-0910-05	FM IFT	TEG	
L6		L39-1328-05	COMBINATION COIL	TEG	
L7		L30-0467-05	AM IFT	TEG	
L8,9		L40-1091-17	SMALL FIXED INDUCTOR(10UH)	TEG	
L11		L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)	TEG	
X1		L77-1122-05	CRYSTAL RESONATOR(7.2MHz)	TEG	
X2		L78-0295-05	RESONATOR (456kHz)	TEG	
R1		RK73FB2A681J	CHIP R	TEG	
R2		RK73FB2A332J	CHIP R	TEG	
R3		RK73FB2A331J	CHIP R	TEG	
R4		RK73FB2A100J	CHIP R	TEG	
R5		RK73FB2A101J	CHIP R	TEG	
R6		RK73FB2A331J	CHIP R	TEG	
R7		RK73FB2A392J	CHIP R	TEG	
R8		RK73FB2A332J	CHIP R	TEG	
R9		RK73FB2A222J	CHIP R	TEG	
R10		RK73FB2A473J	CHIP R	TEG	
R11		RK73FB2A562J	CHIP R	TEG	
R12		RK73FB2A302J	CHIP R	TEG	
R13		RK73FB2A333J	CHIP R	TEG	
R14		RK73FB2A472J	CHIP R	TEG	
R15		RK73FB2A473J	CHIP R	TEG	
R16		RK73FB2A104J	CHIP R	TEG	
R17		RK73FB2A392J	CHIP R	TEG	
R18		RK73FB2A333J	CHIP R	TEG	
R1,20		RK73FB2A222J	CHIP R	TEG	
R21,22		RK73FB2A122J	CHIP R	TEG	
R23,24		RK73FB2A472J	CHIP R	TEG	
R25		RK73FB2A561J	CHIP R	TEG	
R26		RK73FB2A473J	CHIP R	TEG	
R27		RK73FB2A472J	CHIP R	TEG	
R28		RK73FB2A821J	CHIP R	TEG	
R29,30		RK73FB2A102J	CHIP R	TEG	
R31		RK73FB2A822J	CHIP R	TEG	
R32-35		RK73FB2A472J	CHIP R	TEG	
R36-38		RK73FB2A102J	CHIP R	TEG	
R39		RK73FB2A822J	CHIP R	TEG	

L:Scandinavia K:USA P:Canada R:Mexico
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V:AAFE(S)(Europe) X:Australia M:Other Areas

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PARTS LIST

KR-X1000/(G)

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PARTS LIST

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NO.8

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
IC3			M5223P	IC(OP AMP X2)	TEG	
Q1			2SC2714(R.O)	TRANSISTOR	TEG	
Q2			2SC1845(F.E)	TRANSISTOR	TEG	
Q3-5			2SC4081(R.S)	TRANSISTOR	TEG	
Q7,8			2SA1576(R.S)	TRANSISTOR	TEG	
Q9			2SD863(E.F)	TRANSISTOR	TEG	
Q10			2SA1576(R.S)	TRANSISTOR	TEG	
Q11,12			2SD1757K	TRANSISTOR	TEG	
Q16			2SC4081(R.S)	TRANSISTOR	TEG	
Q17			2SA1576(R.S)	TRANSISTOR	TEG	
Q18			2SC4081(R.S)	TRANSISTOR	TEG	
A1			W02-2509-05	FM FRONT-END ASSY	TEG	
MAIN AMP UNIT (X07-286X-XX)						
C5-8			CK45FF1H103Z	CERAMIC	Z	
C9-12			CC45FSL1H221J	CERAMIC	J	
C13-20			CF92FV1H224J	MF-C	J	
C21,22			CK45FB1H681K	CERAMIC	K	
C25,26			CK45FB1H681K	CERAMIC	K	
C29-36			CE04LW2A010M	ELECTRO	100WV	
C37-52			CE04LW2A2R2M	ELECTRO	100WV	
C61-66			CK45FF1H472Z	CERAMIC	Z	
C68			CK45FF1H103Z	CERAMIC	Z	
C69,70			CK45FB1H681K	CERAMIC	K	
C71			CC45FSL1H221J	CERAMIC	J	
C72,73			CF92FV1H224J	MF-C	J	
C74,75			CE04LW2A010M	ELECTRO	100WV	
C76-79			CE04LW2A2R2M	ELECTRO	100WV	
C82			CK45FF1H472Z	CERAMIC	Z	
C83-89			CK45FB1H102K	CERAMIC	K	
C90			CE04LW1C220M	ELECTRO	16WV	
C91			CE04HW1A220M	NP-ELEC	10WV	
C92			CE04LW1V4R7M	ELECTRO	4.7UF	
C93			CE04LW1E330M	ELECTRO	33UF	
C98-103			CK45FE2H103P	CERAMIC	P	
C104,105			C90-3581-05	ELECTRO	80WV	
C106,107			C90-3582-05	ELECTRO	8000UF	
C108			CE04LW1C220M	ELECTRO	22UF	
C109,110			CE04LW1C101M	ELECTRO	100UF	
C111			CK45FF1H103Z	CERAMIC	Z	
C112			CE04LW1A101M	ELECTRO	100UF	
C113-124			CK45FF1H103Z	CERAMIC	Z	
C125,126			CE04LW1V222M	ELECTRO	2200UF	
C127,128			CE04LW1C222M	ELECTRO	2200UF	
C129			CE04LW1C102M	ELECTRO	1000UF	
C130			CE04LW1E222M	ELECTRO	2200UF	
CN1		1B	E40-0411-05	PIN ASSY		
CN2		1B	E40-0611-05	PIN ASSY		
CN3		1B	E40-3247-05	PIN ASSY		
CN4		2B	E40-4808-05	PIN ASSY		
CN15		1B	E40-4297-05	FLAT CABLE CONNECTOR		
CN16,17		1B	E40-3248-05	PIN ASSY		

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NO.7

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R40			RK73FB2A471J	CHIP R	1/10W	TEG
R41			RK73FB2A821J	CHIP R	1/10W	TEG
R42			RD14NB2E101J	RD	1/4W	TEG
R43			RK73FB2A101J	CHIP R	1/10W	TEG
R44			RK73FB2B221J	CHIP R	1/8W	TEG
R45			RK73FB2A122J	CHIP R	1/10W	TEG
R46			RK73FB2A750J	CHIP R	1/10W	TEG
R47			RK73FB2A681J	CHIP R	1/10W	TEG
R48			RK73FB2A621J	CHIP R	1/10W	TEG
R49			RK73FB2A104J	CHIP R	1/10W	TEG
R50			RK73FB2A471J	CHIP R	1/10W	TEG
R51			RK73FB2A181J	CHIP R	1/10W	TEG
R52			RK73FB2A104J	CHIP R	1/10W	TEG
R53			RK73FB2A103J	CHIP R	1/10W	TEG
R54,55			RK73FB2A223J	CHIP R	22K	TEG
R56			RK73FB2A104J	CHIP R	100K	TEG
R57			RK73FB2A473J	CHIP R	47K	TEG
R58			RK73FB2A104J	CHIP R	100K	TEG
R61			RK73FB2A122J	CHIP R	1.2K	TEG
R62			RK73FB2A123J	CHIP R	12K	TEG
R63			RK73FB2A122J	CHIP R	1.2K	TEG
R64			RK73FB2A123J	CHIP R	12K	TEG
R65			RK73FB2A683J	CHIP R	68K	TEG
R66			RK73FB2A473J	CHIP R	47K	TEG
R67			RK73FB2A104J	CHIP R	100K	TEG
R69			RK73FB2A102J	CHIP R	1.0K	TEG
R70			RK73FB2A104J	CHIP R	100K	TEG
R71			RK73FB2A102J	CHIP R	1.0K	TEG
R77			RK73FB2B103J	CHIP R	10K	TEG
R78			RD14NB2E470J	RD	47	TEG
R79			RS14KB3D221J	FL-PROOF RS	220	TEG
R81			RK73FB2A563J	CHIP R	56K	TEG
R84			RK73FB2A101J	CHIP R	100	TEG
W101-106			R92-0670-05	CHIP R	0 OHM	TEG
W108-112			R92-0670-05	CHIP R	0 OHM	TEG
W114-119			R92-0670-05	CHIP R	0 OHM	TEG
W121,122			R92-0670-05	CHIP R	0 OHM	TEG
W201-203			R92-0679-05	CHIP R	0 OHM	TEG
W207,208			R92-0679-05	CHIP R	0 OHM	TEG
D1,2			HSS104	DIODE		TEG
D1,2			1SS133	DIODE		TEG
D3			MTZJ5.1(B)	ZENER DIODE		TEG
D3			RD5.1ES(B2)	ZENER DIODE		TEG
D4			MTZJ8.2(B)	ZENER DIODE		TEG
D4			RD8.2ES(B2)	ZENER DIODE		TEG
D5			HSS104	DIODE		TEG
D5			1SS133	DIODE		TEG
D6			MTZJ3.3(B)	ZENER DIODE		TEG
D6			RD3.3ES(B2)	ZENER DIODE		TEG
D7			MA111	DIODE		TEG
D8			1SS268	DIODE		TEG
D9			MA111	DIODE		TEG
IC1			LA1836	ANALOGUE IC		TEG
IC2			LC7218	IC(PLL FREQUENCY SYNTHESIZER)		TEG

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NO.9

Ref. No.	Add- ress	Parts No.	Description	Re- marks
J1		E70-0055-05	SCREW TERMINAL BOARD F SP A/B	G
J1		E70-0060-05	SCREW TERMINAL BOARD F SP A/B	
J2		E70-0049-05	SCREW TERMINAL BOARD S/C SP	
J2		E70-0059-05	SCREW TERMINAL BOARD S/C SP	
687	1B	F20-1284-05	INSULATING BOARD	KP YMXTEG KP
F1-4		F05-1628-05	FUSE (UL) (250V 1.6A)	
F1-5		F05-1222-05	FUSE (SEMKO) (250V T1.25A L)	
F5		F04-2025-05	FUSE (UL) (250V 2A)	
CNE-14		J11-0098-05	WIRE CLAMPER	KP YMXTEG KP
L1-5		J13-0075-05	FUSE CLIP	
		L39-0085-05	PHASE COMPENSATION COIL	
G	1B,2B	N89-3008-45	BINDING HEAD TAPITTE SCREW	
N	1B,1C	N09-0333-05	HEXAGON HD TAPPING SCREW M3X12	KP YMXTEG KP
P	1B	N09-3139-05	HEXAGON HD WITH WASHER M3X14	
S	1B	N89-3010-45	BINDING HEAD TAPITTE SCREW	
CPT-5		R90-0187-05	MULTI-COMP	
R5,6		RD14NB2E100J	RD	5W
R7,8		RD14NB2E4R7J	RD	1/4W
R9,10		RD14NB2E100J	RD	1/4W
R11,12		RD14NB2E4R7J	RD	1/4W
R15,16		RD14NB2E221J	RD	1/4W
R19,20		RD14NB2E2R2J	RD	1/4W
R23,24		RD14NB2E2R2J	RD	1/4W
R37-40		RS14KB3A100J	FL-PROOF RS	1W
R49-52		RD14NB2E4R7J	RD	1/4W
R58,59		RD14NB2E100J	RD	1/4W
R66		RS14KB3A100J	FL-PROOF RS	1W
R69		RD14NB2E4R7J	RD	1/4W
R76		RS14KB3D472J	FL-PROOF RS	2W
R79-82		RS14KB3A562J	FL-PROOF RS	1W
R87,90		RS14KB3D272J	FL-PROOF RS	2W
R99,100		RS14KB3D390J	FL-PROOF RS	2W
R102,103		RS14KB3D390J	FL-PROOF RS	2W
R104,105		RD14NB2E2R2J	RD	1/4W
R106		RD14NB2E1R0J	RD	1/4W
K1		S51-2078-05	MAGNETIC RELAY	KP YMXTEG KP
K2,4		S76-0005-05	MAGNETIC RELAY	
TS1		S79-0011-05	THERMAL SWITCH	
TS2		S79-0020-05	THERMAL SWITCH	
D5-12		HSS104A	DIODE	KP YMXTEG KP
D5-12		1SS131	DIODE	
D13-16		HSS104	DIODE	
D13-16		1SS133	DIODE	
D18-24		HSS104A	DIODE	KP YMXTEG KP
D18-24		1SS131	DIODE	
D18-24		HZS6.8N(B2)	ZENER DIODE	
D18-24		RD6.8ES(B2)	ZENER DIODE	
D25		HZS4.7N(B2)	ZENER DIODE	KP YMXTEG KP
D25		HZS4.7N(B2)	ZENER DIODE	
D26		HZS6.8N(B2)	ZENER DIODE	
D26		RD4.7ES(B2)	ZENER DIODE	
D26		RD6.8ES(B2)	ZENER DIODE	KP YMXTEG KP
D26		DSFB20-4002-L2	DIODE	
D27,28		KBP02ML-6127	DIODE	
D29,30				

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NO.10

Ref. No.	Add- ress	Parts No.	Description	Re- marks
Δ D31		D3SBA20F03	DIODE	J
Δ D31		RBV-402LFA	DIODE	
Δ D32,33		S5688B	DIODE	
Δ D32,33		1SR139-100	DIODE	
Δ IC1		UPC1237HA	IC(POWER AMP)	J
Q1-4		2SC4137(V,W)	TRANSISTOR	
Q7,8		2SC3844A(Q,R)	TRANSISTOR	
Q11,12		2SA1535A(Q,R)	TRANSISTOR	
Q13,14	*	2SD2401M *5	TRANSISTOR	J
Q15,16		2SD1718	TRANSISTOR	
Q17,18	*	2SB1570M *5	TRANSISTOR	
Q19,20		2SB1163	TRANSISTOR	
Q21-24		2SC1845(F,E)	TRANSISTOR	J
Q25		2SC4137(V,W)	TRANSISTOR	
Q28	*	2SD2401M *5	TRANSISTOR	
Q29		2SB1570M *5	TRANSISTOR	
Q30		2SC1845(F,E)	TRANSISTOR	J
Q31		2SC1740S(Q,R)	TRANSISTOR	
Q33		2SC2785(F,E)	TRANSISTOR	
Q33		2SC1740S(Q,R)	TRANSISTOR	
Q34		2SC2785(F,E)	TRANSISTOR	J
Q34		2SD2012	TRANSISTOR	
Q36-39		2SD2061(E,F)	TRANSISTOR	
Q36-39		2SA992(F,E)	TRANSISTOR	
Q40-43		2SC2003(L,K)	TRANSISTOR	J
Q40-43		DTC124ES	DIGITAL TRANSISTOR	
C1,2		UN4212	CERAMIC	
C3,4		CC45FSL1H101J	CERAMIC	
C5-8		CE04LW1H100M	ELECTRO	J
C9,10		CK45FB1H102K	CERAMIC	
C11,12		CE04LW0J331M	ELECTRO	
C13,14		CK45FB1H102K	CERAMIC	
C15,16		CK45FB1H102K	CERAMIC	J
C17,18		CQ93FMG1H123J	MYLAR	
C19,20		CQ93FMG1H332J	MYLAR	
C21,22		CE04LW1H100M	ELECTRO	
C23-34		CC45FSL1H101J	CERAMIC	J
C35,36		CC45FSL1H151J	CERAMIC	
C37-40		CC45FSL1H101J	CERAMIC	
C41,42		CE04LW1H100M	ELECTRO	
C43,46		CC45FSL1H101J	CERAMIC	J
C47,48		CE04LW1H100M	ELECTRO	
C49-52		CC45FSL1H101J	CERAMIC	
C53,54		CE04LW1H100M	ELECTRO	
C55-58		CC45FSL1H101J	CERAMIC	J
C59-62		CF92FV1H224J	MF-C	
C81,82		CC45FSL1H221J	CERAMIC	
C101-104		CE04LW1A101M	ELECTRO	
C105-108		CQ93FMG1H681J	MYLAR	J
C109,110		CC45FSL1H101J	CERAMIC	
C111,112		CQ93FMG1H822J	MYLAR	
C113,114		CQ93FMG1H472J	MYLAR	
C115,116		CQ93FMG1H332J	MYLAR	J

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NO.12

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C303			CE04LW1H220M	ELECTRO		
C304, 305			CQ93FMG1H104J	MYLAR	50WV	
C306			CK45FB1H102K	CERAMIC	0.10UF	
C307			CE04LW1H220M	ELECTRO	1000PF	
C308			CE04LW1A101M	ELECTRO	22UF	
C309			CQ93FMG1H104J	MYLAR	100W	
C310			CE04LW1A101M	ELECTRO	0.10UF	
C311			CE04LW1H100M	ELECTRO	10UF	
C312			CQ93FMG1H104J	MYLAR	0.10UF	
C313			CK45FB1H102K	CERAMIC	1000PF	
C314			CQ93FMG1H104J	MYLAR	0.10UF	
C315			CK45FB1H102K	CERAMIC	1000PF	
C316			CQ93FMG1H104J	MYLAR	0.10UF	
C317			CK45FB1H102K	CERAMIC	1000PF	
C318, 319			CC45FCH1H070D	CERAMIC	7.0PF	
C320			CK45FB1H102K	CERAMIC	1000PF	
C321, 322			CC45FSL1H221J	CERAMIC	220PF	
C323, 324			CC45FSL1H470J	CERAMIC	47PF	
C325-327			CC45FSL1H220J	CERAMIC	22PF	
C328			CC45FSL1H470J	CERAMIC	47PF	
C329			CK45FB1H471K	CERAMIC	470PF	
C331			CE04LW1A101M	ELECTRO	100UF	
C332			CQ93FMG1H104J	MYLAR	0.10UF	
C333			CK45FB1H102K	CERAMIC	1000PF	
C334			CQ93FMG1H104J	MYLAR	0.10UF	
C335			CK45FB1H102K	CERAMIC	1000PF	
C336			CQ93FMG1H104J	MYLAR	0.10UF	
C337			CK45FB1H102K	CERAMIC	1000PF	
C338			CE04LW1A101M	ELECTRO	100UF	
C339			CQ93FMG1H104J	MYLAR	0.10UF	
C340, 341			CK45FB1H102K	CERAMIC	1000PF	
C342, 343			CC45FSL1H221J	CERAMIC	220PF	
C344, 345			CC45FSL1H220J	CERAMIC	22PF	
C346-349			CC45FSL1H470J	CERAMIC	47PF	
C351, 352			CE04LW1A101M	ELECTRO	100UF	
C353, 354			CK45FB1H102K	CERAMIC	1000PF	
C355			CE04LW1H100M	ELECTRO	10UF	
C356			CQ93FMG1H104J	MYLAR	0.10UF	
C357			CK45FB1H102K	CERAMIC	1000PF	
C358			CK45FB1H471K	CERAMIC	470PF	
C359, 360			CK45FB1H102K	CERAMIC	1000PF	
C361, 362			CE04LW1A101M	ELECTRO	100UF	
C363, 364			CQ93FMG1H104J	MYLAR	0.10UF	
C365, 366			CK45FB1H102K	CERAMIC	1000PF	
C367, 368			CE04LW1A101M	ELECTRO	100UF	
C375			CE04LW1H100M	ELECTRO	10UF	
C376			CQ93FMG1H104J	MYLAR	0.10UF	
C377			CK45FB1H102K	CERAMIC	1000PF	
C378			CK45FB1H471K	CERAMIC	470PF	
C381, 382			CE04LW1A101M	ELECTRO	100UF	
C383, 384			CQ93FMG1H104J	MYLAR	0.10UF	
C385, 386			CK45FB1H102K	CERAMIC	1000PF	
C387, 388			CE04LW1A101M	ELECTRO	100UF	
C395			CE04LW1H100M	ELECTRO	10UF	
C396			CQ93FMG1H104J	MYLAR	0.10UF	

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NO.11

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
SURROUND UNIT (X08-2680-10)						
C117, 118			CC45FSL1H101J	100PF		
C119, 120			CE04LW1H2R2M	2.2UF	J	
C131-134			CE04LW1A101M	100UF	50WV	
C135			CQ93FMG1H681J	680PF	100W	
C136			CQ93FMG1H123J	0.012UF	J	
C137			CQ93FMG1H681J	680PF	J	
C138			CQ93FMG1H123J	0.012UF	J	
C139, 140			CC45FSL1H101J	1000PF	J	
C141			CQ93FMG1H822J	8200PF	J	
C142			CQ93FMG1H563J	0.056UF	J	
C143			CQ93FMG1H472J	4700PF	J	
C144			CQ93FMG1H822J	8200PF	J	
C145			CQ93FMG1H332J	3300PF	J	
C146			CQ93FMG1H333J	0.033UF	J	
C147, 148			CC45FSL1H101J	1000PF	J	
C149, 150			CE04LW1H2R2M	2.2UF	50WV	
C161-164			CE04LW1A101M	100UF	100W	
C165-168			CQ93FMG1H681J	680PF	J	
C169, 170			CC45FSL1H101J	1000PF	J	
C171, 172			CQ93FMG1H822J	8200PF	J	
C173, 174			CQ93FMG1H472J	4700PF	J	
C175, 176			CQ93FMG1H332J	3300PF	J	
C177, 178			CC45FSL1H101J	1000PF	J	
C179, 180			CE04LW1H2R2M	2.2UF	50WV	
C191, 192			CE04LW1H100M	10UF	50WV	
C193, 194			CQ93FMG1H471J	470PF	J	
C195, 196			CC45FSL1H101J	100PF	J	
C199, 200			CF92FY1H331K	330PF	K	
C201, 202			CC45FSL1H101J	1000PF	J	
C203, 204			CQ93FMG1H332J	3300PF	J	
C211-222			CC45FSL1H151J	150PF	J	
C231			CK45FB1H471K	470PF	K	
C251, 252			CE04LW1C470M	47UF	16WV	
C253, 254			CE04LW1H100M	10UF	50WV	
C261, 262			CK45FB1H471K	470PF	K	
C263-268			CK45FB1H102K	1000PF	K	
C269-272			CE04LW1H100M	10UF	50WV	
C273-276			CK45FB1H102K	1000PF	K	
C281, 282			CQ93FMG1H104J	0.10UF	J	
C283			CE04LW1A101M	100UF	10WV	
C284, 285			CK45FB1H102K	1000PF	K	
C286			CE04LW1A101M	100UF	10WV	
C287			CK45FB1H102K	1000PF	K	
C288			CE04LW1A101M	100UF	10WV	
C289, 290			CK45FB1H102K	1000PF	K	
C291, 292			CE04LW1E470M	47UF	25WV	
C293, 294			CE04LW1H100M	10UF	50WV	
C295			CC45FSL1H470J	47PF	J	
C296			CE04LW1A101M	100UF	10WV	
C297, 298			CK45FB1H102K	1000PF	K	
C299, 300			CE04LW1A101M	100UF	10WV	
C301			CQ93FMG1H104J	0.10UF	J	
C302			CK45FB1H102K	1000PF	K	

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NO.14

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
IC41		*	LC83016UE	MOS-IC		
IC42		*	LC83017JE	MOS-IC		
IC43,44		*	LC32464P-80	MEMORY IC		
IC45		*	NJM4565D	IC(OP AMP X2)		
			NJM4565D-D	IC(OP AMP X2)		
Q1			2SA1534A	TRANSISTOR		
Q2-4			2SC3940A	TRANSISTOR		
Q5			DTA113ZS	DIGITAL TRANSISTOR		
Q5			UN4119	TRANSISTOR		
DISPLAY UNIT (X11-357X-XX)						
D3,4			B30-1290-05	LED		
C1,2			CQ93FMG1H683J	MYLAR	J	0.068UF
C3,4			CQ93FMG1H163J	MYLAR	J	0.016UF
C5,6			CQ93FMG1H682J	MYLAR	J	6800PF
C7,8			CQ93FMG1H273J	MYLAR	J	0.027UF
C8,10			CC45FSL1H220J	CERAMIC	J	22PF
C13,14			CC45FSL1H270J	CERAMIC	J	27PF
C15,16			CE04LW1V100M	ELECTRO	35WV	10UF
C17-20			CE04LW1V4R7M	ELECTRO	35WV	4.7UF
C21,22			CE04HW1H2R2M	NP-ELEC	50WV	2.2UF
C23,24			CE04LW1V4R7M	ELECTRO	35WV	4.7UF
C27,28			CC45FSL1H680J	CERAMIC	J	68PF
C29,30			CE04LW1V220M	ELECTRO	35WV	22UF
C31-34			CE04LW1V4R7M	ELECTRO	35WV	4.7UF
C35,36			CE04HW1H2R2M	NP-ELEC	50WV	2.2UF
C37,38			CE04LW1V4R7M	ELECTRO	35WV	4.7UF
C39			CC45FSL1H820J	CERAMIC	J	82PF
C40			CC45FSL1H102K	CERAMIC	K	1000PF
C41,42			CE04LW1V220M	ELECTRO	35WV	22UF
C43,46			CE04LW1V4R7M	ELECTRO	35WV	4.7UF
C47,48			CE04HW1H2R2M	NP-ELEC	50WV	2.2UF
C49,50			CE04LW1V4R7M	ELECTRO	35WV	4.7UF
C51,52			CC45FSL1H820J	CERAMIC	J	82PF
C55,56			CE04LW1V220M	ELECTRO	35WV	22UF
C57,58			CE04LW1V4R7M	ELECTRO	35WV	4.7UF
C59,60			CE04LW1V220M	ELECTRO	35WV	22UF
C61-64			CE04LW1V4R7M	ELECTRO	35WV	4.7UF
C101,102			CC45FF1H103Z	CERAMIC	Z	0.010UF
C103,104			CE04LW1E470M	ELECTRO	25WV	47UF
C105-110			CC45FF1H103Z	CERAMIC	Z	0.010UF
C111-114			CE04LW1H010M	ELECTRO	50WV	1.0UF
C115,116			CC45FF1H103Z	CERAMIC	Z	0.010UF
C117			CE04LW1E470M	ELECTRO	25WV	47UF
C118			CE04LW1E470M	ELECTRO	25WV	47UF
C119			C91-1488-05	MF	250VAC	6800PF
C120			C91-1488-05	MF	250VAC	6800PF
C121			C91-1488-05	MF	250VAC	6800PF
C122			CC45FSL1H101J	CERAMIC	J	100PF
C151,152			CC45FSL1H330J	CERAMIC	J	33PF
C153,154			CC45FSL1H101J	CERAMIC	J	100PF
C155,156			CC45FSL1H150J	CERAMIC	J	15PF

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NO.13

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C397			CK45FB1H102K	CERAMIC		
C398			CK45FB1H471K	CERAMIC		
C401,402			CE04LW1A101M	ELECTRO	K	1000PF
C403,404			CQ93FMG1H104J	MYLAR	K	10WV
C405,406			CK45FB1H102K	CERAMIC		
C407,408			CE04LW1A101M	ELECTRO	K	10WV
C411-416			CK45FB1H102K	CERAMIC		
CN1	2C,2D		E40-4269-05	SOCKET FOR PIN ASSY		
CN2,3	2C,2D		E40-4271-05	SOCKET FOR PIN ASSY		
CN4	2C		E40-4630-05	PIN ASSY		
CN5	2D		E40-4269-05	SOCKET FOR PIN ASSY		
CN6	2D		E40-4267-05	SOCKET FOR PIN ASSY		
CN7	2C,2D		E40-4271-05	SOCKET FOR PIN ASSY		
CN8	2C		E40-4665-05	SOCKET FOR PIN ASSY		
CN9	2C,2D		E40-4296-05	FLAT CABLE CONNECTOR		
CN10	2C		E40-4609-05	PIN ASSY		
J1			E63-0068-15	PHONO JACK (2P)PHONO		
J2-5			E63-0047-15	PHONO JACK		
J6			E11-0188-05	TAPE/AUX/CD/VIDEO MINIATURE PHONE JACK(2P)S.CONT		
J10			J11-0098-05	WIRE CLAMPER		
L1-4			L92-0018-05	FERRITE CORE		
L5			L40-1011-17	SMALL FIXED INDUCTOR(100UH,K)		
L6,7			L92-0018-05	FERRITE CORE		
L8			L40-4701-17	SMALL FIXED INDUCTOR(47UH,K)		
L9			L92-0018-05	FERRITE CORE		
L10,11			L40-4701-17	SMALL FIXED INDUCTOR(47UH,K)		
L12-14			L40-1011-17	SMALL FIXED INDUCTOR(100UH,K)		
L20-25			L92-0044-05	FERRITE CORE		
X1			L77-2143-05	CRYSTAL RESONATOR(24.576MHz)		
R255,256			RD14NB2E22J	RD	220	J
R319-321			RS14KB3D220J	FL-PROOF RS	22	J
D1-20			HSS104	DIODE		
D1-20			1S5133	DIODE		
D21			HZ55.1N(B2)	ZENER DIODE		
D21			RD5.1ES(B2)	ZENER DIODE		
IC1			UPC4570C-A	IC(OP AMP X2)		
IC2			TC9162N	IC(ANALOG SWITCH ARRAY)		
IC3			TC9164N	IC(16CH BILATERAL SELECTOR SW)		
IC4			TC9163N	IC(BILATERAL SWITCH X16)		
IC5-9			NJM4565L	IC(OP AMP X2)		
IC5-9			NJM4565L-D	IC(OP AMP X2)		
IC11,12			NJM4565L	IC(OP AMP X2)		
IC11,12			NJM4565L-D	IC(OP AMP X2)		
IC13			AK5340-VS	MOS-IC		
IC14			TA7805S	IC(VOLTAGE REGULATOR/ +5V)		
IC14			UPC7805AHF	IC(VOLTAGE REGULATOR/ +5V)		
IC21-26			NJM4565L	IC(OP AMP X2)		
IC21-26			NJM4565L-D	IC(OP AMP X2)		
IC27-29			PCM69AU	MOS-IC		
IC30-32			SM5641HS	MOS-IC		
IC33,34			TA7805S	IC(VOLTAGE REGULATOR/ +5V)		
IC33,34			UPC7805AHF	IC(VOLTAGE REGULATOR/ +5V)		

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KR-X1000/(G)

PARTS LIST

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NO.15

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C157-158			CC45FSL1H101J	CERAMIC		
C159-160			CC45FSL1H470J	CERAMIC		
C161-166			CC45FSL1H101J	CERAMIC		
C167-168			CC45FSL1H470J	CERAMIC		
C169-176			CC45FSL1H101J	CERAMIC		
C201-210			CC45FSL1H221J	CERAMIC		
C211-212			CC45FSL1H150J	CERAMIC		
C213-214			CC45FSL1H221J	CERAMIC		
C216			CC45FSL1H221J	CERAMIC		
C218			CC45FSL1H221J	CERAMIC		
C304			CK45FF1H103Z	CERAMIC		
C305			C91-0733-05	CERAMIC		
C306			CE04LW1HR22M	ELECTRO		
C307-312			CK45FF1H103Z	CERAMIC		
C313			CE04LW1A101M	ELECTRO		
C314			CK45FB1H222K	CERAMIC		
C315			CE04LW1A101M	ELECTRO		
C316			C91-0757-05	CERAMIC		
C317			C91-0769-05	CERAMIC		
C501			CE04LW1H010M	ELECTRO		
C502			C90-1827-05	ELECTRO		
C503			CE04LW1A101M	ELECTRO		
C504			CK45FF1H103Z	CERAMIC		
C505			CE04LW1H010M	ELECTRO		
C506			CE04LW1A101M	ELECTRO		
CN1	1C2C		E40-4268-05	SOCKET FOR PIN ASSY		
CN2	1C2C		E40-4273-05	SOCKET FOR PIN ASSY		
CN3	1C2C		E40-4271-05	SOCKET FOR PIN ASSY		
CN4	1C2C		E40-4273-05	SOCKET FOR PIN ASSY		
CN5	2B		E40-4219-05	FLAT CABLE CONNECTOR		
CN6	1C		E40-4807-05	PIN ASSY		
J1			E03-0119-05	AC OUTLET	Y	
J2			E03-0148-05	AC OUTLET	KP	
J3			E03-0149-05	AC OUTLET	EG	
J4			E03-0108-05	AC OUTLET	M	
J5			E03-0310-05	AC OUTLET	T	
F1			F05-5025-05	FUSE (SEMKO)		
F1			F05-6029-05	FUSE (UL)	YMXTEG	
F1			F53-0124-05	FUSE (SEMKO)	P	
F2			F05-2525-05	FUSE (SEMKO)	EG	
F3			F05-5025-05	FUSE (SEMKO)	YM	
F3			F05-6029-05	FUSE (UL)	P	
CN9-12			J13-0075-05	FUSE CLIP	EG	
CN9-10			J13-0041-05	FUSE CLIP	K	
CN9-10			J13-0075-05	FUSE CLIP	PYMXT	
CN13,14			J13-0075-05	FUSE CLIP	PYM	
L1			L40-1001-14	SMALL FIXED INDUCTOR(10UH,K)		
L2			L92-0017-05	FERRITE CORE		
T1			L07-1898-05	POWER TRANSFORMER	YMXTEG	
T1			L07-1937-05	POWER TRANSFORMER	KP	
X1			L78-0267-05	RESONATOR (4.194MHz)		
R97-98			R92-0219-05	FUSE RESIST	10	
R101,102			RD14NB2E391J	RD	1/4W	

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NO.16

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R103,104			RD14NB2E561J	RD	1/4W	
R110			RD14NB2E470J	RD	1/4W	PYMXTE
R110			RD14NB2E470J	RD	1/4W	G
R111			RD14NB2E470J	RD	1/4W	KP
R112			RD14NB2E470J	CARBON	1/2W	
K1			S76-0002-05	MAGNETIC RELAY		P
K2			S76-0002-05	MAGNETIC RELAY		K
K2			S76-0002-05	MAGNETIC RELAY		P
K2			S76-0009-05	MAGNETIC RELAY		
S1,2			S62-0034-05	SLIDE SWITCH		
S3-25			S40-1064-05	PUSH SWITCH		TEG
S26-28			S40-1064-05	PUSH SWITCH		
S29-47			S40-1064-05	PUSH SWITCH		
S51			S31-2322-05	SLIDE SWITCH		YM
S52			S62-0001-05	SLIDE SWITCH		YM
S48			T99-0547-05	SPEED DETECTOR INPUT SELECTOR		
S49			T99-0548-05	SPEED DETECTOR VOLUME CONTROL		
S50			T99-0530-05	ROTARY ENCODER MULTI CONTROL		
D1,2			HZ58.2N(B2)	ZENER DIODE		
D5,6			HZ513N(B2)	ZENER DIODE		
D7			RD13ES(B2)	ZENER DIODE		
D7			HSS104	DIODE		
D10-17			1SS133	DIODE		
D10-17			HSS104	DIODE		
D18			1SS133	DIODE		
D18			HSS104A	DIODE		
D18			1SS131	DIODE		
D19			HSS104A	DIODE		PYMXTE
D19			1SS131	DIODE		G
D19			1SS131	DIODE		G
D20-24			HSS104	DIODE		
D20-24			1SS133	DIODE		
D51,52			HSS104	DIODE		
D51,52			1SS133	DIODE		
D101-109			HSS104	DIODE		
D101-109			1SS133	DIODE		
D110,111			HSS104	DIODE		
D110,111			1SS133	DIODE		
ED1		*	FIP15XMT1AA	INDICATOR TUBE		
IC1			TC9163N	IC(BILATERAL SWITCH X16)		
IC2-4			TC9213P	IC(2CH ELECTRONIC VOLUME)		
IC5			TC9184P	IC(ELECTRO TONE CONTROL)		
IC5			NJM4565D	IC(OP AMP X2)		
IC6-12		*	UPD78056GC-075	MI-COM IC		
IC13			LC7571E	IC(DISPLAY DRIVER)		
IC14			LC7571E	IC(DISPLAY DRIVER)		
IC15			TC74HC08AP	IC(QUAD AND GATE)		
IC16			S-806D-Z	ANALOGUE IC		
Q1-12			2SC2878(B)	TRANSISTOR		
Q29			2SD2012	TRANSISTOR		
Q30			2SB1375	TRANSISTOR		
Q32			2SC2003(L,K)	TRANSISTOR		
Q33			2SC1740S(Q,R)	TRANSISTOR		

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NO.17

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C53			2SC2785(F,E)	TRANSISTOR		
C54			2SC2003(L,K)	TRANSISTOR		
A1			W02-2516-05	ELECTRIC CIRCUIT MODULE		
ACCESSORY UNIT (X13-733X-XX)						
C12			CE04LW1H010M	ELECTRO	50WV	
C14			CE04LW1H101J	CERAMIC	1.0UF	
C15			CE04LW1H101J	CERAMIC	100PF	
C16			CE04LW1H102K	CERAMIC	1000PF	
C17			CE04LW1H102K	CERAMIC	4700PF	
C18			CE04LW1E331M	ELECTRO	330UF	
C19			CE04LW1E331M	ELECTRO	25WV	
C20			CE04LW1E470M	ELECTRO	47UF	
C21			CE04LW1E470M	ELECTRO	0.010UF	
C22			CE04LW1E470M	ELECTRO	0.010UF	
C23			CE04LW1E470M	ELECTRO	100PF	
C24			CE04LW1E470M	ELECTRO	100PF	
C25			CE04LW1E470M	ELECTRO	100PF	
C26			CE04LW1E470M	ELECTRO	100PF	
C27			CE04LW1E470M	ELECTRO	100PF	
C28			CE04LW1E470M	ELECTRO	100PF	
C29			CE04LW1E470M	ELECTRO	100PF	
C30			CE04LW1E470M	ELECTRO	100PF	
C31			CE04LW1E470M	ELECTRO	100PF	
C32			CE04LW1E470M	ELECTRO	100PF	
C33			CE04LW1E470M	ELECTRO	100PF	
C34			CE04LW1E470M	ELECTRO	100PF	
C35			CE04LW1E470M	ELECTRO	100PF	
C36			CE04LW1E470M	ELECTRO	100PF	
C37			CE04LW1E470M	ELECTRO	100PF	
C38			CE04LW1E470M	ELECTRO	100PF	
C39			CE04LW1E470M	ELECTRO	100PF	
C40			CE04LW1E470M	ELECTRO	100PF	
C41			CE04LW1E470M	ELECTRO	100PF	
C42			CE04LW1E470M	ELECTRO	100PF	
C43			CE04LW1E470M	ELECTRO	100PF	
C44			CE04LW1E470M	ELECTRO	100PF	
C45			CE04LW1E470M	ELECTRO	100PF	
C46			CE04LW1E470M	ELECTRO	100PF	
C47			CE04LW1E470M	ELECTRO	100PF	
C48			CE04LW1E470M	ELECTRO	100PF	
C49			CE04LW1E470M	ELECTRO	100PF	
C50			CE04LW1E470M	ELECTRO	100PF	
C51			CE04LW1E470M	ELECTRO	100PF	
C52			CE04LW1E470M	ELECTRO	100PF	
C53			CE04LW1E470M	ELECTRO	100PF	
C54			CE04LW1E470M	ELECTRO	100PF	
C55			CE04LW1E470M	ELECTRO	100PF	
C56			CE04LW1E470M	ELECTRO	100PF	
C57			CE04LW1E470M	ELECTRO	100PF	
C58			CE04LW1E470M	ELECTRO	100PF	
C59			CE04LW1E470M	ELECTRO	100PF	
C60			CE04LW1E470M	ELECTRO	100PF	
C61			CE04LW1E470M	ELECTRO	100PF	
C62			CE04LW1E470M	ELECTRO	100PF	
C63			CE04LW1E470M	ELECTRO	100PF	
C64			CE04LW1E470M	ELECTRO	100PF	
C65			CE04LW1E470M	ELECTRO	100PF	
C66			CE04LW1E470M	ELECTRO	100PF	
C67			CE04LW1E470M	ELECTRO	100PF	
C68			CE04LW1E470M	ELECTRO	100PF	
C69			CE04LW1E470M	ELECTRO	100PF	
C70			CE04LW1E470M	ELECTRO	100PF	
C71			CE04LW1E470M	ELECTRO	100PF	
C72			CE04LW1E470M	ELECTRO	100PF	
C73			CE04LW1E470M	ELECTRO	100PF	
C74			CE04LW1E470M	ELECTRO	100PF	
C75			CE04LW1E470M	ELECTRO	100PF	
C76			CE04LW1E470M	ELECTRO	100PF	
C77			CE04LW1E470M	ELECTRO	100PF	
C78			CE04LW1E470M	ELECTRO	100PF	
C79			CE04LW1E470M	ELECTRO	100PF	
C80			CE04LW1E470M	ELECTRO	100PF	
C81			CE04LW1E470M	ELECTRO	100PF	
C82			CE04LW1E470M	ELECTRO	100PF	
C83			CE04LW1E470M	ELECTRO	100PF	
C84			CE04LW1E470M	ELECTRO	100PF	
C85			CE04LW1E470M	ELECTRO	100PF	
C86			CE04LW1E470M	ELECTRO	100PF	
C87			CE04LW1E470M	ELECTRO	100PF	
C88			CE04LW1E470M	ELECTRO	100PF	
C89			CE04LW1E470M	ELECTRO	100PF	
C90			CE04LW1E470M	ELECTRO	100PF	
C91			CE04LW1E470M	ELECTRO	100PF	
C92			CE04LW1E470M	ELECTRO	100PF	
C93			CE04LW1E470M	ELECTRO	100PF	
C94			CE04LW1E470M	ELECTRO	100PF	
C95			CE04LW1E470M	ELECTRO	100PF	
C96			CE04LW1E470M	ELECTRO	100PF	
C97			CE04LW1E470M	ELECTRO	100PF	
C98			CE04LW1E470M	ELECTRO	100PF	
C99			CE04LW1E470M	ELECTRO	100PF	
C100			CE04LW1E470M	ELECTRO	100PF	
C101			CE04LW1E470M	ELECTRO	100PF	
C102			CE04LW1E470M	ELECTRO	100PF	
C103			CE04LW1E470M	ELECTRO	100PF	
C104			CE04LW1E470M	ELECTRO	100PF	
C105			CE04LW1E470M	ELECTRO	100PF	
C106			CE04LW1E470M	ELECTRO	100PF	
C107			CE04LW1E470M	ELECTRO	100PF	
C108			CE04LW1E470M	ELECTRO	100PF	
C109			CE04LW1E470M	ELECTRO	100PF	
C110			CE04LW1E470M	ELECTRO	100PF	
C111			CE04LW1E470M	ELECTRO	100PF	
C112			CE04LW1E470M	ELECTRO	100PF	
C113			CE04LW1E470M	ELECTRO	100PF	
C114			CE04LW1E470M	ELECTRO	100PF	
C115			CE04LW1E470M	ELECTRO	100PF	
C116			CE04LW1E470M	ELECTRO	100PF	
C117			CE04LW1E470M	ELECTRO	100PF	
C118			CE04LW1E470M	ELECTRO	100PF	
C119			CE04LW1E470M	ELECTRO	100PF	
C120			CE04LW1E470M	ELECTRO	100PF	
C121			CE04LW1E470M	ELECTRO	100PF	
C122			CE04LW1E470M	ELECTRO	100PF	
C123			CE04LW1E470M	ELECTRO	100PF	
C124			CE04LW1E470M	ELECTRO	100PF	
C125			CE04LW1E470M	ELECTRO	100PF	
C126			CE04LW1E470M	ELECTRO	100PF	
C127			CE04LW1E470M	ELECTRO	100PF	
C128			CE04LW1E470M	ELECTRO	100PF	
C129			CE04LW1E470M	ELECTRO	100PF	
C130			CE04LW1E470M	ELECTRO	100PF	
C131			CE04LW1E470M	ELECTRO	100PF	
C132			CE04LW1E470M	ELECTRO	100PF	
C133			CE04LW1E470M	ELECTRO	100PF	
C134			CE04LW1E470M	ELECTRO	100PF	
C135			CE04LW1E470M	ELECTRO	100PF	
C136			CE04LW1E470M	ELECTRO	100PF	
C137			CE04LW1E470M	ELECTRO	100PF	
C138			CE04LW1E470M	ELECTRO	100PF	
C139			CE04LW1E470M	ELECTRO	100PF	
C140			CE04LW1E470M	ELECTRO	100PF	
C141			CE04LW1E470M	ELECTRO	100PF	
C142			CE04LW1E470M	ELECTRO	100PF	
C143			CE04LW1E470M	ELECTRO	100PF	
C144			CE04LW1E470M	ELECTRO	100PF	
C145			CE04LW1E470M	ELECTRO	100PF	
C146			CE04LW1E470M	ELECTRO	100PF	
C147			CE04LW1E470M	ELECTRO	100PF	
C148			CE04LW1E470M	ELECTRO	100PF	
C149			CE04LW1E470M	ELECTRO	100PF	
C150			CE04LW1E470M	ELECTRO	100PF	
C151			CE04LW1E470M	ELECTRO	100PF	
C152			CE04LW1E470M	ELECTRO	100PF	
C153			CE04LW1E470M	ELECTRO	100PF	
C154			CE04LW1E470M	ELECTRO	100PF	
C155			CE04LW1E470M	ELECTRO	100PF	
C156			CE04LW1E470M	ELECTRO	100PF	
C157			CE04LW1E470M	ELECTRO	100PF	
C158			CE04LW1E470M	ELECTRO	100PF	
C159			CE04LW1E470M	ELECTRO	100PF	
C160			CE04LW1E470M	ELECTRO	100PF	
C161			CE04LW1E470M	ELECTRO	100PF	
C162			CE04LW1E470M	ELECTRO	100PF	
C163			CE04LW1E470M	ELECTRO	100PF	
C164			CE04LW1E470M	ELECTRO	100PF	
C165			CE04LW1E470M	ELECTRO	100PF	
C166			CE04LW1E470M	ELECTRO	100PF	
C167			CE04LW1E470M	ELECTRO	100PF	
C168			CE04LW1E470M	ELECTRO	100PF	
C169			CE04LW1E470M	ELECTRO	100PF	
C170			CE04LW1E470M	ELECTRO	100PF	
C171			CE04LW1E470M	ELECTRO	100PF	
C172			CE04LW1E470M	ELECTRO	100PF	
C173			CE04LW1E470M	ELECTRO	100PF	
C174			CE04LW1E470M	ELECTRO	100PF	
C175			CE04LW1E470M	ELECTRO	100PF	
C176			CE04LW1E470M	ELECTRO	100PF	
C177			CE04LW1E470M	ELECTRO	100PF	
C178			CE04LW1E470M	ELECTRO	100PF	
C179			CE04LW1E470M	ELECTRO	100PF	
C180			CE04LW1E470M	ELECTRO	100PF	
C181			CE04LW1E470M	ELECTRO	100PF	
C182			CE04LW1E470M	ELECTRO	100PF	
C183			CE04LW1E470M	ELECTRO	100PF	
C184			CE04LW1E470M	ELECTRO	100PF	
C185			CE04LW1E470M	ELECTRO	100PF	
C186			CE04LW1E470M	ELECTRO	100PF	
C187			CE04LW1E470M	ELECTRO	100PF	
C188			CE04LW1E470M	ELECTRO	100PF	
C189			CE04LW1E470M	ELECTRO	100PF	
C190			CE04LW1E470M	ELECTRO	100PF	
C191			CE04LW1E470M	ELECTRO	100PF	
C192			CE04LW1E470M	ELECTRO	100PF	
C193			CE04LW1E470M	ELECTRO	100PF	
C194			CE04LW1E470M	ELECTRO	100PF	
C195			CE04LW1E470M	ELECTRO	100PF	
C196			CE04LW1E470M	ELECTRO	100PF	
C197			CE04LW1E470M	ELECTRO	100PF	
C198			CE04LW1E470M	ELECTRO	100PF	
C199			CE04LW1E470M	ELECTRO	100PF	
C200			CE04LW1E470M	ELECTRO	100PF	
C201			CE04LW1E470M	ELECTRO	100PF	
C202			CE04LW1E470M	ELECTRO	100PF	
C203			CE04LW1E470M	ELECTRO	100PF	
C204			CE04LW1E470M	ELECTRO	100PF	

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

KR-X1000/(G)

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.

NO.18

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C205			CK45FF1H103Z	CERAMIC	0.010UF	TEG
C206			CK45FB1H561K	CERAMIC	560PF	TEG
C207			CK45FC1H470J	CERAMIC	47PF	TEG
C208			CK45FC1H220J	CERAMIC	22PF	TEG
C209			CK45FSL1H331J	CERAMIC	330PF	TEG
C210			CE04LW1H2R2M	ELECTRO	2.2UF	TEG
C211			CK45FF1H103Z	CERAMIC	0.010UF	TEG
C212			CE04LW1A101M	ELECTRO	100UF	TEG
C213			CE04LW1A101M	ELECTRO	100UF	TEG
C214			CE04LW1A101M	ELECTRO	100UF	TEG
C215			CE04LW1A101M	ELECTRO	100UF	TEG
C216			CE04LW1A101M	ELECTRO	100UF	TEG
C217			CE04LW1A101M	ELECTRO	100UF	TEG
C218			CE04LW1A101M	ELECTRO	100UF	TEG
C219			CE04LW1A101M	ELECTRO	100UF	TEG
C220			CE04LW1A101M	ELECTRO	100UF	TEG
C221			CE04LW1A101M	ELECTRO	100UF	TEG
C222			CE04LW1A101M	ELECTRO	100UF	TEG
C223			CE04LW1A101M	ELECTRO	100UF	TEG
C224			CE04LW1A101M	ELECTRO	100UF	TEG
C225			CE04LW1A101M	ELECTRO	100UF	TEG
C226			CE04LW1A101M	ELECTRO	100UF	TEG
C227			CE04LW1A101M	ELECTRO	100UF	TEG
C228			CE04LW1A101M	ELECTRO	100UF	TEG
C229			CE04LW1A101M	ELECTRO	100UF	TEG
C230			CE04LW1A101M	ELECTRO	100UF	TEG
C231			CE04LW1A101M	ELECTRO	100UF	TEG
C232			CE04LW1A101M	ELECTRO	100UF	TEG
C233			CE04LW1A101M	ELECTRO	100UF	TEG
C234			CE04LW1A101M	ELECTRO	100UF	TEG
C235			CE04LW1A101M	ELECTRO	100UF	TEG
C236			CE04LW1A101M	ELECTRO	100UF	TEG
C237			CE04LW1A101M	ELECTRO	100UF	TEG
C238			CE04LW1A101M	ELECTRO	100UF	TEG
C239			CE04LW1A101M	ELECTRO	100UF	TEG
C240			CE04LW1A101M	ELECTRO	100UF	TEG
C241			CE04LW1A101M	ELECTRO	100UF	TEG
C242			CE04LW1A101M	ELECTRO	100UF	TEG
C243			CE04LW1A101M	ELECTRO	100UF	TEG
C244			CE04LW1A101M	ELECTRO	100UF	TEG
C245			CE04LW1A101M	ELECTRO	100UF	TEG
C246			CE04LW1A101M	ELECTRO	100UF	TEG
C247			CE04LW1A101M	ELECTRO	100UF	TEG
C248			CE04LW1A101M	ELECTRO	100UF	TEG
C249			CE04LW1A101M	ELECTRO	100UF	TEG
C250			CE04LW1A101M	ELECTRO	100UF	TEG
C251			CE04LW1A101M	ELECTRO	100UF	TEG
C252			CE04LW1A101M	ELECTRO	100UF	TEG
C253			CE04LW1A101M	ELECTRO	100UF	TEG
C254			CE04LW1A101M	ELECTRO	100UF	TEG
C255			CE04LW1A101M	ELECTRO	100UF	TEG
C256			CE04LW1A101M	ELECTRO	100UF	TEG
C257			CE04LW1A101M	ELECTRO	100UF	TEG
C258			CE04LW1A101M	ELECTRO	100UF	TEG
C259			CE04LW1A101M	ELECTRO	100UF	TEG
C260			CE04LW1A101M	ELECTRO	100UF	TEG
C261			CE04LW1A101M	ELECTRO	100UF	TEG
C262			CE04LW1A101M	ELECTRO	100UF	TEG
C263			CE04LW1A101M	ELECTRO	100UF	TEG
C264			CE04LW1A101M	ELECTRO	100UF	TEG
C265			CE04LW1A101M	ELECTRO	100UF	TEG
C266			CE04LW1A101M	ELECTRO	100UF	TEG
C267			CE04LW1A101M	ELECTRO	100UF	TEG
C268			CE04LW1A101M	ELECTRO	100UF	TEG
C269			CE04LW1A101M	ELECTRO	100UF	TEG
C270			CE04LW1A101M	ELECTRO	100UF	TEG
C271			CE04LW1A101M	ELECTRO	100UF	TEG
C272			CE04LW1A101M	ELECTRO	100UF	TEG
C273			CE04LW1A101M	ELECTRO	100UF	TEG
C274			CE04LW1A101M	ELECTRO	100UF	TEG
C275			CE04LW1A101M	ELECTRO	100UF	TEG
C276			CE04LW1A101M	ELECTRO	100UF	TEG
C277			CE04LW1A101M	ELECTRO	100UF	TEG
C278			CE04LW1A101M	ELECTRO	100UF	TEG
C279			CE04LW1A101M	ELECTRO	100UF	TEG
C280			CE04LW1A101M	ELECTRO	100UF	TEG
C281			CE04LW1A101M	ELECTRO	100UF	TEG
C282			CE04LW1A101M	ELECTRO	100UF	TEG
C283			CE04LW1A101M	ELECTRO	100UF	TEG
C284			CE04LW1A101M	ELECTRO	100UF	TEG
C285			CE04LW1A101M	ELECTRO	100UF	TEG
C286			CE04LW1A101M	ELECTRO	100UF	TEG
C287			CE04LW1A101M	ELECTRO	100UF	TEG
C288			CE04LW1A101M	ELECTRO	100UF	TEG
C289			CE04LW1A101M	ELECTRO	100UF	TEG
C290			CE04LW1A101M	ELECTRO	100UF	TEG
C291			CE04LW1A101M	ELECTRO	100UF	TEG
C292			CE04LW1A101M	ELECTRO	100UF	TEG
C293			CE04LW1A101M	ELECTRO	100UF	TEG
C294			CE04LW1A101M	ELECTRO	100UF	TEG
C295			CE04LW1A101M	ELECTRO	100UF	TEG
C296			CE04LW1A101M	ELECTRO	100UF	TEG
C297			CE04LW1A101M	ELECTRO	100UF	TEG
C298			CE04LW1A101M	ELECTRO	100UF	TEG
C299			CE04LW1A101M	ELECTRO	100UF	TEG
C300			CE04LW1A101M	ELECTRO	100UF	TEG
C301			CE04LW1A101M	ELECTRO	100UF	TEG
C302			CE04LW1A101M	ELECTRO	100UF	TEG
C303			CE04LW1A101M	ELECTRO	100UF	TEG
C304			CE04LW1A101M	ELECTRO	100UF	TEG
C305			CE04LW1A101M	ELECTRO	100UF	TEG
C306			CE04LW1A101M	ELECTRO	100UF	TEG
C307			CE04LW1A101M	ELECTRO	100UF	TEG
C308			CE04LW1A101M	ELECTRO	100UF	TEG
C309			CE04LW1A101M	ELECTRO	100UF	TEG
C310			CE04LW1A101M	ELECTRO	100UF	TEG
C311			CE04LW1A101M	ELECTRO	100UF	TEG
C312			CE04LW1A101M	ELECTRO	100UF	TEG
C313			CE04LW1A101M	ELECTRO	100UF	TEG
C314			CE04LW1A101M	ELECTRO	100UF	TEG
C315			CE04LW1A101M	ELECTRO	100UF	TEG
C316			CE04LW1A101M	ELECTRO	100UF	TEG
C317			CE04LW1A101M	ELECTRO	100UF	TEG
C318			CE04LW1A101M	ELECTRO	100UF	TEG
C319			CE04LW1A101M	ELECTRO	100UF	TEG
C320			CE04LW1A101M	ELECTRO	100UF	TEG
C321			CE04LW1A101M	ELECTRO	100UF	TEG
C322			CE04LW1A101M	ELECTRO	100UF	TEG
C323			CE04LW1A101M	ELECTRO	100UF	TEG
C324			CE04LW1A101M	ELECTRO	100UF	TEG
C325			CE04LW1A101M	ELECTRO	100UF	TEG
C326			CE04LW1A101M	ELECTRO	100UF	TEG
C327			CE04LW1A101M	ELECTRO	100UF	TEG
C328			CE04LW1A101M	ELECTRO	100UF	TEG
C329			CE04LW1A101M	ELECTRO	100UF	TEG
C330			CE04LW1A101M	ELECTRO	100UF	TEG
C331			CE04LW1A101M	ELECTRO	100UF	TEG
C332			CE04LW1A101M	ELECTRO	100UF	TEG
C333			CE04LW1A101M	ELECTRO	100UF	TEG
C334			CE04LW1A101M	ELECTRO	100UF	TEG
C335			CE04LW1A101M	ELECTRO	100UF	TEG
C336			CE04LW1A101M	ELECTRO	100UF	TEG
C337			CE04LW1A101M	ELECTRO	100UF	TEG
C338			CE04LW1A101M	ELECTRO	100UF	TEG
C339			CE04LW1A101M	ELECTRO	100UF	TEG
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C341			CE04LW1A101M	ELECTRO	100UF	TEG
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C343			CE04LW1A101M	ELECTRO	100UF	TEG
C344			CE04LW1A101M	ELECTRO	100UF	TEG
C345			CE04LW1A101M	ELECTRO	100UF	TEG
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C355			CE04LW1A101M	ELECTRO	100UF	TEG
C356			CE04LW1A101M	ELECTRO	100UF	TEG
C357			CE04LW1A101M	ELECTRO	100UF	TEG
C358			CE04LW1A101M	ELECTRO	100UF	TEG
C359			CE04LW1A101M	ELECTRO	100UF	TEG
C360			CE04LW1A101M	ELECTRO	100UF	TEG
C361			CE04LW1A101M	ELECTRO	100UF	TEG
C362			CE04LW1A101M	ELECTRO	100UF	TEG
C363			CE04LW1A101M	ELECTRO	100UF	TEG
C364			CE04LW1A101M	ELECTRO	100UF	TEG
C365			CE04LW1A101M	ELECTRO	100UF	TEG
C366			CE04LW1A101M	ELECTRO	100UF	TEG
C367			CE04LW1A101M	ELECTRO	100UF	TEG
C368			CE04LW1A101M	ELECTRO	100UF	TEG
C369			CE04LW1A101M	ELECTRO	100UF	TEG
C370			CE04LW1A101M	ELECTRO	100UF	TEG
C371			CE04LW1A101M	ELECTRO	100UF	TEG
C372			CE04LW1A101M	ELECTRO	100UF	TEG
C373			CE04LW1A101M	ELECTRO	100UF	TEG
C374			CE04LW1A101M	ELECTRO	100UF	TEG
C375			CE04LW1A101M	ELECTRO	100UF	TEG
C376			CE04LW1A101M	ELECTRO	100UF	TEG
C377			CE04LW1A101M	ELECTRO	100UF	TEG
C378			CE04LW1A101M	ELECTRO	100UF	TEG
C379			CE04LW1A101M	ELECTRO	100UF	TEG
C380			CE04LW1A101M	ELECTRO	100UF	TEG
C381			CE04LW1A101M	ELECTRO	100UF	TEG
C382			CE04LW1A101M	ELECTRO	100UF	TEG
C383			CE04LW1A101M	ELECTRO	100UF	TEG
C384			CE04LW1A101M	ELECTRO	100UF	TEG
C385			CE04LW1A101M	ELECTRO	100UF	TEG
C386			CE04LW1A101M	ELECTRO	100UF	TEG
C387			CE04LW1A101M	ELECTRO	100UF	TEG
C388			CE04LW1A101M	ELECTRO	100UF	TEG
C389			CE04LW1A101M	ELECTRO	100UF	TEG
C390			CE04LW1A101M	ELECTRO	100UF	TEG
C391			CE04LW1A101M	ELECTRO	100UF	TEG
C392			CE04LW1A101M	ELECTRO	100UF	TEG
C393			CE04LW1A101M	ELECTRO	100UF	TEG
C394			CE04LW1A101M	ELECTRO	100UF	TEG
C395			CE04LW1A101M	ELECTRO	100UF	TEG
C396			CE04LW1A101M	ELECTRO	100UF	TEG
C397			CE04LW1A101M	ELECTRO	100UF	TEG
C398			CE04LW1A101M	ELECTRO	100UF	TEG
C399			CE04LW1A101M	ELECTRO	100UF	TEG
C400			CE04LW1A101M	ELECTRO	100UF	TEG
C401			CE04LW1A101M	ELECTRO	100UF	TEG
C402			CE04LW1A101M	ELECTRO	100UF	TEG
C403			CE04LW1A101M	ELECTRO	100UF	TEG
C404			CE04LW1A101M	ELECTRO	100UF	TEG
C405			CE04LW1A101M	ELECTRO	100UF	TEG
C406			CE04LW1A101M	ELECTRO	100UF	TEG
C407			CE04LW1A101M	ELECTRO	100UF	TEG
C408			CE04LW1A101M	ELECTRO	100UF	TEG
C409			CE04LW1A101M	ELECTRO	100UF	TEG
C410			CE04LW1A101M	ELECTRO	100UF	TEG
C411			CE04LW1A101M	ELECTRO	100UF	TEG
C412			CE04LW1A101M	ELECTRO	100UF	TEG
C413			CE04LW1A101M	ELECTRO	100UF	TE

* New Parts
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Teile ohne **Parts No.** werden nicht geliefert.

NO.21

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C113,114			CE04LW1J100M	ELECTRO		
C115,116			CE04LW1H330M	ELECTRO	63WV	
C117,118			CE04LW1H100M	ELECTRO	50WV	
C118,120			CE04LW1V220M	ELECTRO	50WV	
C123			CE04LW1V330M	ELECTRO	35WV	
C301			CE04LW1V330M	ELECTRO	35WV	
C302			CK45FF1H103Z	CERAMIC	Z	
C303			CC45FSL1H100D	CERAMIC	D	
C304-307			CE04LW1V100M	ELECTRO	10PF	
C308			CE04LW1V330M	ELECTRO	35WV	
C309			CK45FF1H103Z	CERAMIC	0.010UF	
C310-312			CE04LW1A470J	ELECTRO	47UF	
C313			CC45FCH1H150J	CERAMIC	15PF	TEG
C313			CC45FCH1H180J	CERAMIC	18PF	KPYMX
C314			CC45FCH1H220J	CERAMIC	22PF	
C315			CK45FF1H103Z	CERAMIC	0.010UF	
C316			CE04LW1V100M	ELECTRO	10UF	
C317-320			CC45FSL1H101J	CERAMIC	100PF	
C321,322			CC45FCH1H380J	CERAMIC	38PF	
C323			CE04LW1V100M	ELECTRO	10UF	
C324			CK45FF1H103Z	CERAMIC	0.010UF	
C325			CK45FF1H223Z	CERAMIC	0.022UF	KPYMX
C325			CK45FF1H473Z	CERAMIC	0.047UF	TEG
C326			CE04LW1H010M	ELECTRO	1.00UF	KPYMX
C326			CE04LW1H2R2M	ELECTRO	2.2UF	
C327			CQ93FMG1H332J	MYLAR	3300PF	KPYMX
C327			CQ93FMG1H472J	MYLAR	4700PF	TEG
C328			CK45FCH1H221J	CERAMIC	220PF	
C329			CK45FF1H103Z	CERAMIC	0.010UF	
C330,331			CE04LW1V100M	ELECTRO	10UF	
C332			CE04LW1H010M	ELECTRO	1.0UF	
C333			CK45FF1H561K	CERAMIC	560PF	
C334			CK45FF1H471K	CERAMIC	470PF	
C335			CE04LW1H4R7M	ELECTRO	4.7UF	
C336-339			CK45FF1H103Z	CERAMIC	0.010UF	
C340			CE04LW1V100M	ELECTRO	10UF	
C341			CK45FF1H103Z	CERAMIC	0.010UF	
C342			CK45FF1H220J	CERAMIC	22PF	
C343			CE04LW1H100D	CERAMIC	10PF	
C344-346			CE04LW1V100M	ELECTRO	10UF	
C347-349			CK45FF1H103Z	CERAMIC	0.010UF	
C350,351			CE04LW1V100M	ELECTRO	10UF	
C352			CK45FF1H103Z	CERAMIC	0.010UF	
C353			CE04LW1V100M	ELECTRO	10UF	
C354			CK45FF1H103Z	CERAMIC	0.010UF	
C355			CE04LW1H100M	ELECTRO	10UF	
C356			CE04LW1V330M	ELECTRO	33UF	
C358			CK45FF1H103Z	CERAMIC	0.010UF	
C369			CE04LW1V100M	ELECTRO	10UF	
C370-379			CK45FF1H103Z	CERAMIC	0.010UF	
C380,381			CK45FF1H103Z	CERAMIC	0.010UF	
C382-383			CC45FSL1H470J	CERAMIC	47PF	
C384,391			CK45FF1H103Z	CERAMIC	0.010UF	
C392-395			C91-0737-05	CERAMIC	47PF	
CN1	1B		E40-4607-05	PIN ASSY		

L:Scandinavia
Y:PX(Far East, Hawaii)
Y:AAFE(Europe)

K:USA
T:England
X:Australia

P:Canada
E:Europe
M:Other Areas

R:Mexico
G:Germany

Δ indicates safety critical components.

* New Parts
Parts without **Parts No.** are not supplied.
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Teile ohne **Parts No.** werden nicht geliefert.

NO.22

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
CN2	1B		E40-4607-05	PIN ASSY		
CN3	1B		E40-4294-05	FLAT CABLE CONNECTOR		
CN4	1B		E40-4608-05	PIN ASSY		
CN11,12	2D		E40-4273-05	SOCKET FOR PIN ASSY		
CN13,14	2D		E40-4272-05	SOCKET FOR PIN ASSY		
J1			E63-0068-15	PHONO JACK FRONT		
J2			E63-0046-15	PHONO JACK FRONT/SURROUND		
J3			E63-0114-05	PHONO JACK SURROUND		
J4			E63-0116-05	PHONO JACK CENTER		
J11		*	E56-0014-05	CYLINDRICAL RECEPTACLE MONITOR		
J12,13			E56-0011-05	CYLINDRICAL RECEPTACLE S-VIDEO		
J14			E63-0082-15	PHONO JACK VIDEO1/VIDEO2		
J15			E63-0084-05	PHONO JACK VIDEO3/4 MONITOR OUT		
689	1B		F01-1807-05	HEAT SINK		
			J11-0098-05	WIRE CLAMPER		
L301			L40-2201-17	SMALL FIXED INDUCTOR(22UH,K)		
X1			L77-1182-05	CRYSTAL RESONATOR(14.31818M)		KPYMX
X2			L77-2107-05	CRYSTAL RESONATOR(17.73447M)		TEG
X1			L78-0272-05	RESONATOR (503.5K)		KPYMX
X2			L78-0300-05	RESONATOR (500K)		TEG
R21,22			RD14NB2E221J	RD	220	1/4W
R23-26			RD14NB2E221J	RD	270	J
R27,28			RD14NB2E221J	RD	8.2K	1/4W
R71,72			RD14NB2E221J	RD	220	1/4W
R73-76			RD14NB2E221J	RD	270	1/4W
R77,78			RD14NB2E822J	RD	8.2K	1/4W
R11,12			RD14NB2E221J	RD	220	1/4W
R11,13			RD14NB2E221J	RD	270	1/4W
R14			RD14NB2E822J	RD	8.2K	1/4W
R13,132			RD14NB2E392J	RD	3.9K	1/4W
R141,142			RD14NB2E392J	RD	3.9K	1/4W
R145			RD14NB2E161J	RD	150	1/4W
R149			RS14K63D102J	FL-PROOF RS	180	1/4W
R156			RS14K63A471J	FL-PROOF RS	470	1W
R158,159			RD14NB2E393J	RD	3.9	J
R161			RS14K63D182J	FL-PROOF RS	182K	1/4W
VR1,2		*	R32-0016-05	SEMI FIXED VARIABLE RESISTOR		2W
VR3,4			R12-1617-05	TRIMMING POT (2.2K)		
VR5,6		*	R32-0016-05	SEMI FIXED VARIABLE RESISTOR		
VR7,8			R12-1616-05	TRIMMING POT (1K)		
VR9		*	R32-0016-05	SEMI FIXED VARIABLE RESISTOR		
VR10		*	R12-1617-05	TRIMMING POT (2.2K)		
D1-3			HSS104	DIODE		
D4			1SS133	DIODE		
D5			HZS5-1S(B2)	ZENER DIODE		
D6			RD5-1JS(B2)	ZENER DIODE		
D11-13			HSS104	DIODE		
D11-13			1SS133	DIODE		
D15			HZS5-1S(B2)	ZENER DIODE		
D15			RD5-1JS(B2)	ZENER DIODE		
D21			HSS104	DIODE		

L:Scandinavia
Y:PX(Far East, Hawaii)
Y:AAFE(Europe)

K:USA
T:England
X:Australia

P:Canada
E:Europe
M:Other Areas

R:Mexico
G:Germany

Δ indicates safety critical components.

KR-X1000/(G)

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.

NO.23

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D21			1SS133	DIODE		
D31,34			HZS5-1S(B2)	ZENER DIODE		
D31,34			RD5-1JS(B2)	ZENER DIODE		
D35-40			HZS5-1S(B2)	ZENER DIODE		
D38-40			RD15ES(B2)	ZENER DIODE		
D41,42			HZS11N(B2)	ZENER DIODE		
D41,42			RD11ES(B2)	ZENER DIODE		
D43			HSS104	DIODE		
D43			1SS133	DIODE		
D44			HSS104A	DIODE		
D44			1SS131	DIODE		
D45			HZS11N(B2)	ZENER DIODE		
D45			RD11ES(B2)	ZENER DIODE		
D46			HZS5-1S(B2)	ZENER DIODE		
D46			RD5-1JS(B2)	ZENER DIODE		
D301-314			HSS104	DIODE		
D301-314			1SS133	DIODE		
D321-348			HSS104	DIODE		
D321-348			1SS133	DIODE		
IC1			MC14576CP	ANALOGUE IC		
IC2			MC1457CP	ANALOGUE IC		
IC3			MC14576CP	ANALOGUE IC		
IC3-7			IC4051BP	IC(8CH MPX/DE-MPX)		
IC3,9			IC(VIDEO IC)	IC(VIDEO IC)		
IC10,11			IC(3-INPUT 2CH MPX/DE-MPX)	IC(3-INPUT 2CH MPX/DE-MPX)		
IC12			UPD6452GT-603	MOS-IC		
IC13			MM1067XD	IC(SYNCH SEPARATION)		
Q1-4			2SC1845(F)	TRANSISTOR		
Q9-12			2SA982(F,E)	TRANSISTOR		
Q13,14			2SC1845(F)	TRANSISTOR		
Q15,16			2SC1740S(Q,R)	TRANSISTOR		
Q15,16			2SC2785(F)	TRANSISTOR		
Q21-24			2SC1845(F)	TRANSISTOR		
Q29-32			2SA982(F,E)	TRANSISTOR		
Q33,34			2SC1845(F)	TRANSISTOR		
Q35,36			2SC1740S(Q,R)	TRANSISTOR		
Q35,36			2SC2785(F)	TRANSISTOR		
Q35,36			2SC1845(F)	TRANSISTOR		
Q35,36			2SA982(F,E)	TRANSISTOR		
Q37			2SC1845(F)	TRANSISTOR		
Q58			2SC1740S(Q,R)	TRANSISTOR		
Q58			2SC2785(F)	TRANSISTOR		
Q71			2SC3944(Q,R)	TRANSISTOR		
Q72			2SA1635(Q,R)	TRANSISTOR		
Q73			2SC3944(Q,R)	TRANSISTOR		
Q74			2SA1635(Q,R)	TRANSISTOR		
Q75,76			2SC1845(F)	TRANSISTOR		
Q77			2SC3944(Q,R)	TRANSISTOR		
Q301-303			2SD1302(S,T)	DIGITAL TRANSISTOR		
Q304-306			DTA124ES	DIGITAL TRANSISTOR		
Q304-306			UN4112	DIGITAL TRANSISTOR		
Q307-309			DTC113ZS	DIGITAL TRANSISTOR		
Q310			UN4219	TRANSISTOR		
Q310			2SC1740S(Q,R)	TRANSISTOR		
Q310			2SC2785(F)	TRANSISTOR		

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NO.24

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q311,312			2SA1175(F,E)	TRANSISTOR		
Q311,312			2SA933S(Q,R)	TRANSISTOR		
Q321,322			2SD1302(S,T)	DIGITAL TRANSISTOR		
Q323			DTC113ZS	TRANSISTOR		
Q324			DTA124ES	DIGITAL TRANSISTOR		
Q324			UN4112	TRANSISTOR		
Q325,326			2SC1740S(Q,R)	TRANSISTOR		
Q325,326			2SC2785(F,E)	TRANSISTOR		

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KR-X1000/(G)

PARTS LIST

DESTINATION OF UNIT NO.

UNIT	UNIT NO.	Destination
TUNER UNIT	X05-4460-13 X05-4460-23 X05-4460-73 X05-4532-70	KS,PS YS,MS XS TS,ES,GS
MAIN AMP UNIT	X07-2860-10 X07-2860-21 X07-2861-01	KS YS,MS,XS,TS,ES,GS PS
SURROUND UNIT	X08-2680-10	KS,PS,YS,MS,XS,TS,ES,GS
DISPLAY UNIT	X11-3570-10 X11-3570-21 X11-3570-51 X11-3570-71 X11-3571-01 X11-3572-71 X11-3572-91	KS MS TS XS PS ES,GS YS
ACCESSORY UNIT	X13-7330-10 X13-7332-71	KS,PS,YS,MS,XS TS,ES,GS
VIDEO CONTROL UNIT	X14-4000-10 X14-4002-71	KS,PS,YS,MS,XS TS,ES,GS

KR-X1000/(G)

SPECIFICATIONS

for the U.S.A. and Canada

AUDIO section

Rated power output at the STEREO operation

125 watts per channel minimum RMS, both channels driven, at 6 Ω from 20 Hz to 20 kHz with no more than 0.08 % total harmonic distortions. (FTC)

Power output at the Surround operation
Front

130 watts per channel minimum RMS, both channels driven, at 6 Ω 1 kHz with no more than 0.08 % total harmonic distortions. (FTC)

Center

130 watts per channel minimum RMS, both channels driven, at 6 Ω 1 kHz with no more than 0.08 % total harmonic distortions. (FTC)

Rear

80 watts per channel minimum RMS, both channels driven, at 6 Ω 1 kHz with no more than 0.08 % total harmonic distortions. (FTC)

Rated output voltage (PRE OUT) 940 mV
(20 Hz ~ 20 kHz, 0.01 %)
Total harmonic distortion 0.006 % (1 kHz, 62.5 W, 6 Ω)
Frequency response
LINE (CD, AUX, TAPE) 5 Hz~100 kHz, + 0dB, - 3 dB
Signal to noise ratio (IHF A)
PHONO (MM) 76 dB
LINE (CD, AUX, TAPE) 96 dB
Input sensitivity / impedance
PHONO (MM) 2.5 mV / 47 k Ω
LINE (CD, AUX, TAPE) 200 mV / 47 k Ω
MAIN IN (FRONT, CENTER, SURROUND)
..... 940 mV / 16 k Ω
Output level / impedance
TAPE REC 200 mV / 330 Ω
PRE OUT (FRONT, CENTER, SURROUND,
SUBWOOFER) 940 mV / 500 Ω
Tone control
BASS $\pm$ 8 dB (at 100 Hz)
TREBLE $\pm$ 8 dB (at 10 kHz)

Note:

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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KENWOOD ELECTRONICS DEUTSCHLAND GMBH

Rembrücker Str. 15, 63150 Heusenstamm, Germany

Common

VIDEO inputs / outputs

TELEVISION format NTSC
VIDEO (composite) 1 Vp-p / 75 Ω
S-VIDEO (luminance signal) 1 Vp-p / 75 Ω
(chrominance signal) 0.286 Vp-p / 75 Ω

FM tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz
Usable sensitivity (IHF) 13.2 dBf (1.2 μ V at 75 Ω)
50 dB quieting sensitivity
STEREO 41.2 dBf (32 μ V at 75 Ω)
Total harmonic distortion at 1 kHz
MONO 0.6 %
STEREO 0.7 %
Signal to noise ratio at 65 dBf (IHF)
MONO 75 dB
STEREO 68 dB
Selectivity (IHF $\pm$ 400 kHz) 50 dB
Stereo separation (IHF at 1 kHz) 40 dB
Frequency response 30 Hz ~ 15 kHz, + 0.5 dB, - 3.0 dB

AM tuner section

Tuning frequency range
9 kHz step 531 kHz ~ 1.602 kHz (For other countries)
10 kHz step ... 530 kHz ~ 1.610 kHz (For other countries)
530 kHz ~ 1.700 kHz (For the U.S.A. and Canada)
Usable sensitivity 12 μ V / (500 μ V / m)
Total harmonic distortion 0.7 %
Signal to noise ratio 48 dB
Selectivity 30 dB

GENERAL

Power consumption 6.5 A
..... 650 W
AC outlet
SWITCHED (For other countries) 1 (total 200 W max.)
SWITCHED (For the U.S.A. and Canada)
..... 2 (total 200 W, 1.6 A max.)
Dimensions (KR-X1000) W : 440 mm (17-5 / 16")
..... H : 169 mm (6-5 / 8")
..... D : 427 mm (16-13 / 16")
Dimensions (KR-X1000 (G)) W : 476 mm (18-3 / 4")
..... H : 169 mm (5-5 / 8")
..... D : 427 mm (16-13 / 16")
Weight (net) (KR-X1000) 15.5 kg (36.4 lb)
Weight (net) (KR-X1000 (G)) 18.0 kg (39.7 lb)

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

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