SERV. 32 670

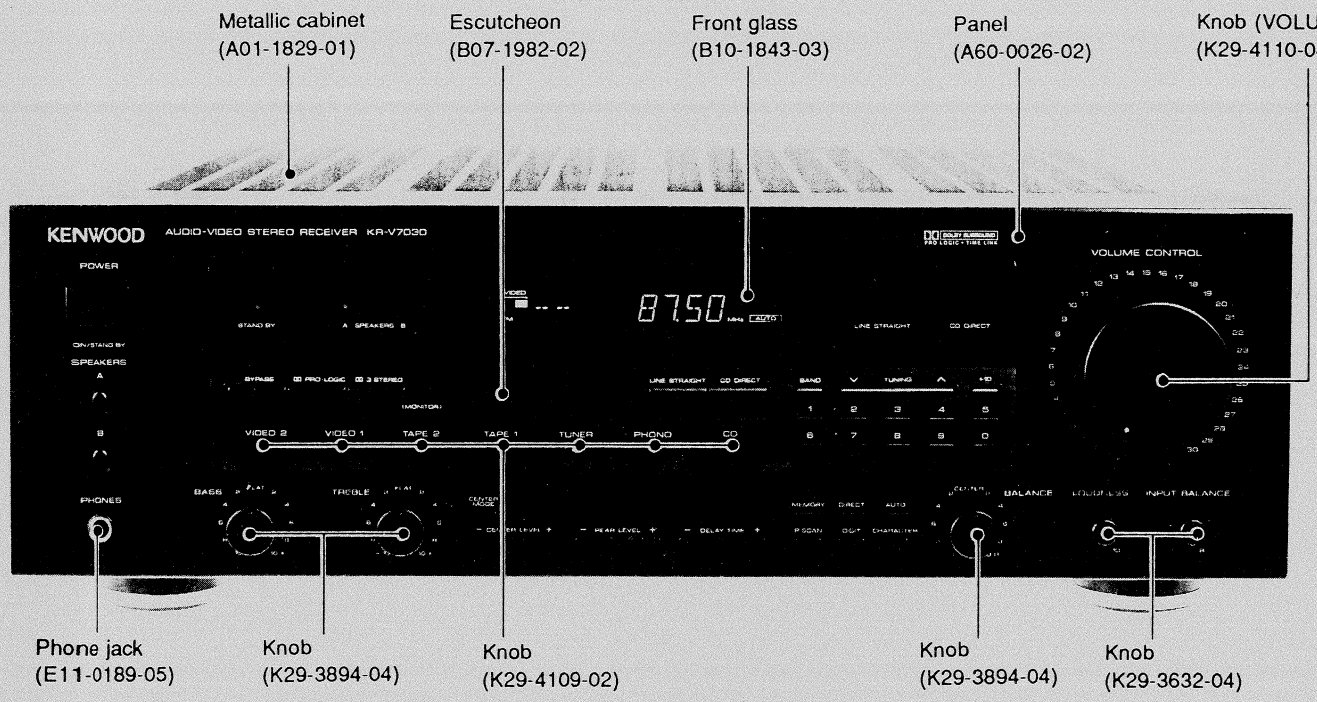
AUDIO-VIDEO STEREO RECEIVER

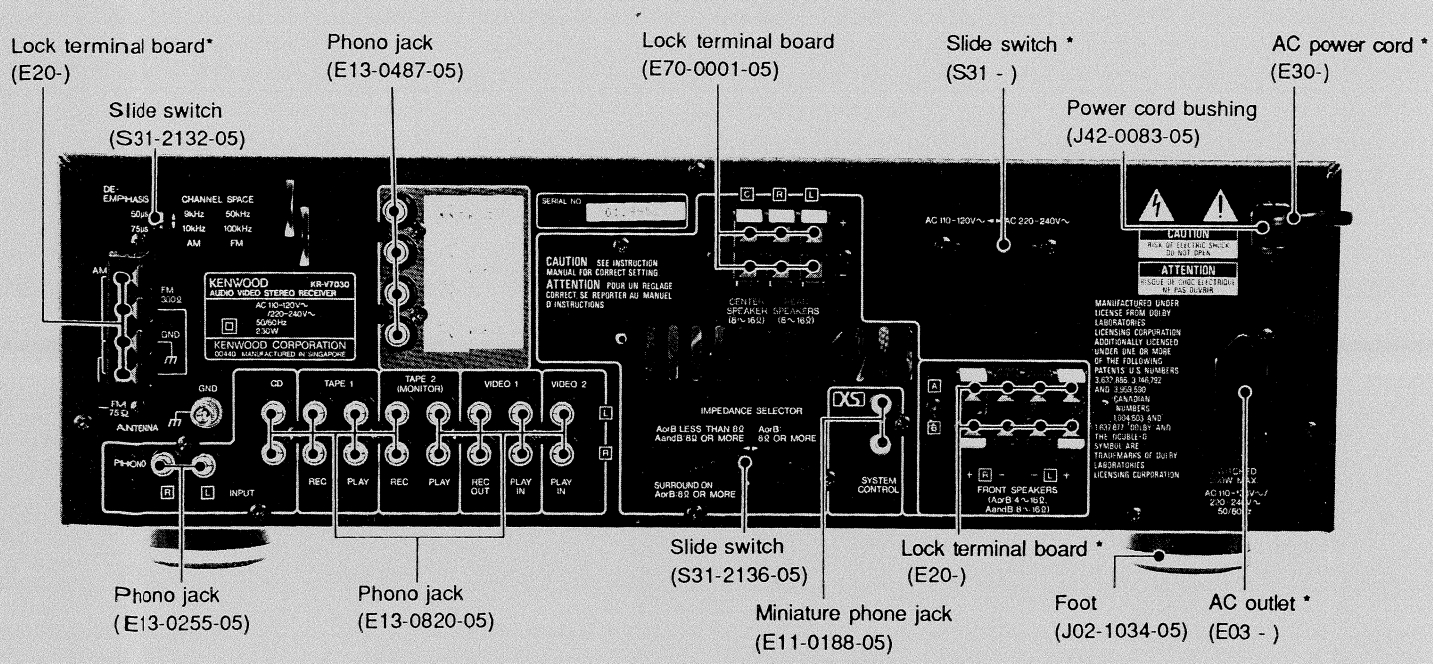
KR-V7030

SERVICE MANUAL

KENWOOD

B51-4313-00(S) 3118





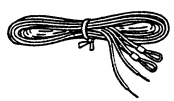
*Refer to parts list on page 45 .

CONTENTS

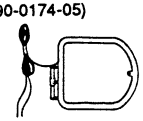
ACCESSORIES

Accessories

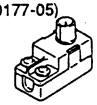
FM indoor antenna 1
(T90-0175-05)



AM loop antenna 1
(T90-0174-05)

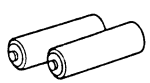


Antenna adaptor
(75 Ω/300 Ω) 1
(Except for some areas)
(T90-0177-05)



Loop antenna holder 1
(J19-2815-04)

Batteries
(R6 or AA) 2



Remote control unit 1
(A70-0505-05)

AC plug adaptor 1
(E03-0115-05): FOR GENERAL MARKET
(E03-0049-05): FOR U.K

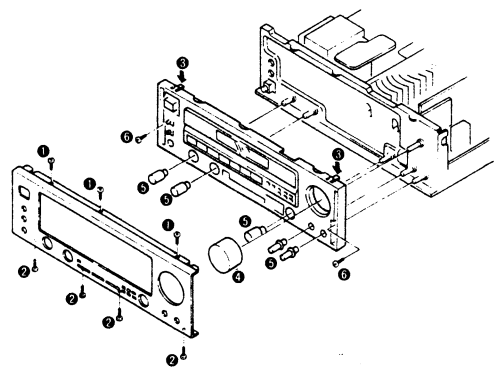
For the unit with a European AC plug in areas other than Europe.

DISASSEMBLY FOR REPAIR

Note: Remove the case before starting.

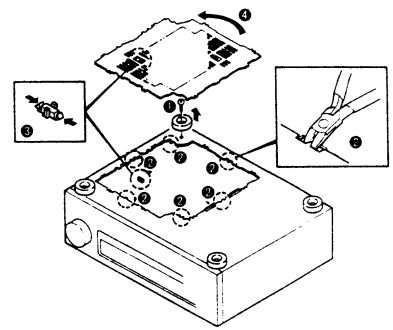
Removing the front panel and sub-panel.

1. Remove the three screws ❶ at the top, the four screws ❷ at the bottom, and the two claws ❸, then remove the front panel.
2. Remove the MAIN VR ❹ and each knob ❺, remove the two screws ❻, then remove the sub-panel.



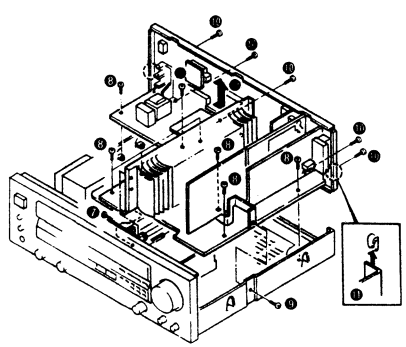
How to remove the repairing chassis

1. Remove the one screw, and foot ❶.
2. Cut the six parts ❷ of the repairing chassis.
3. Remove the claw of holder ❸.



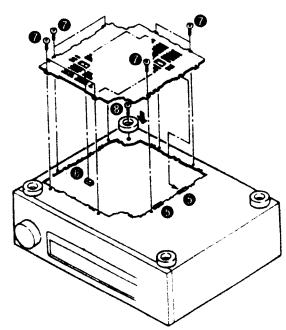
Removing the main PC board

1. Remove the two screws ❼.
2. Remove the eight screws ❽.
3. Remove the one screw ❾.
4. Remove the five screws ❿.
5. Remove the two claws ⓫, then remove the main PC board in the direction of arrow ⓬.



After repair

4. Turn the repairing chassis 180 degrees in the arrow direction ❹.
5. Insert the two claws ❺ into main chassis.
6. Lock to the holder ❻.
7. Lock to the main chassis by eight screws (M3x6) ❼.
8. Lock to the foot by screw ❽.



KR-V7030

REMOTE CONTROL OPERATION

POWER key
Press to switch the power ON/OFF.

TUNER operation keys
BAND: Switches the bands.
P. SCAN: Scans the preset stations.
DIRECT: In conjunction with the numeric keys, tunes stations directly.

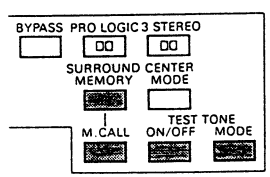
Tape deck operation keys
Two sets of operation keys, the TAPE A and TAPE B keys, allow to operate a double-deck type cassette tape deck. Use the TAPE A keys if your cassette tape deck is of the single-deck type.

Numeric keys
When the CD source is selected, these keys can be used as the numeric keys of the CD player.
When the TUNER source is selected, they can be used as the nmeric keys of the tuner.
How to enter numerals:
For 23 press [+10] twice and 3
For 40 press [+10] four times and 0

CD player operation keys
Operate the CD player.
DISC: The DISC key can be used as the disc selector key of a multi-disc player wit a disc changer.
For details, read the instruction manual provided with the CD player.

Turntable operation keys
Control the start/stop of turntable.

Surround operation keys
The functions of the keys marked in the following illustration can be operated from the remote control unit only. Read page 26 for details.



Graphic equalizer operation keys
M.CALL: Every time the key is pressed, the equalizer patterns are recalled from memory.

MUTE key
Press to reduce the volume temporary. During operation, the indicator on the VOLUME CONTROL knob blinks.

Surround level control keys
CENTER LEVEL
REAR LEVEL
DELAY TIME

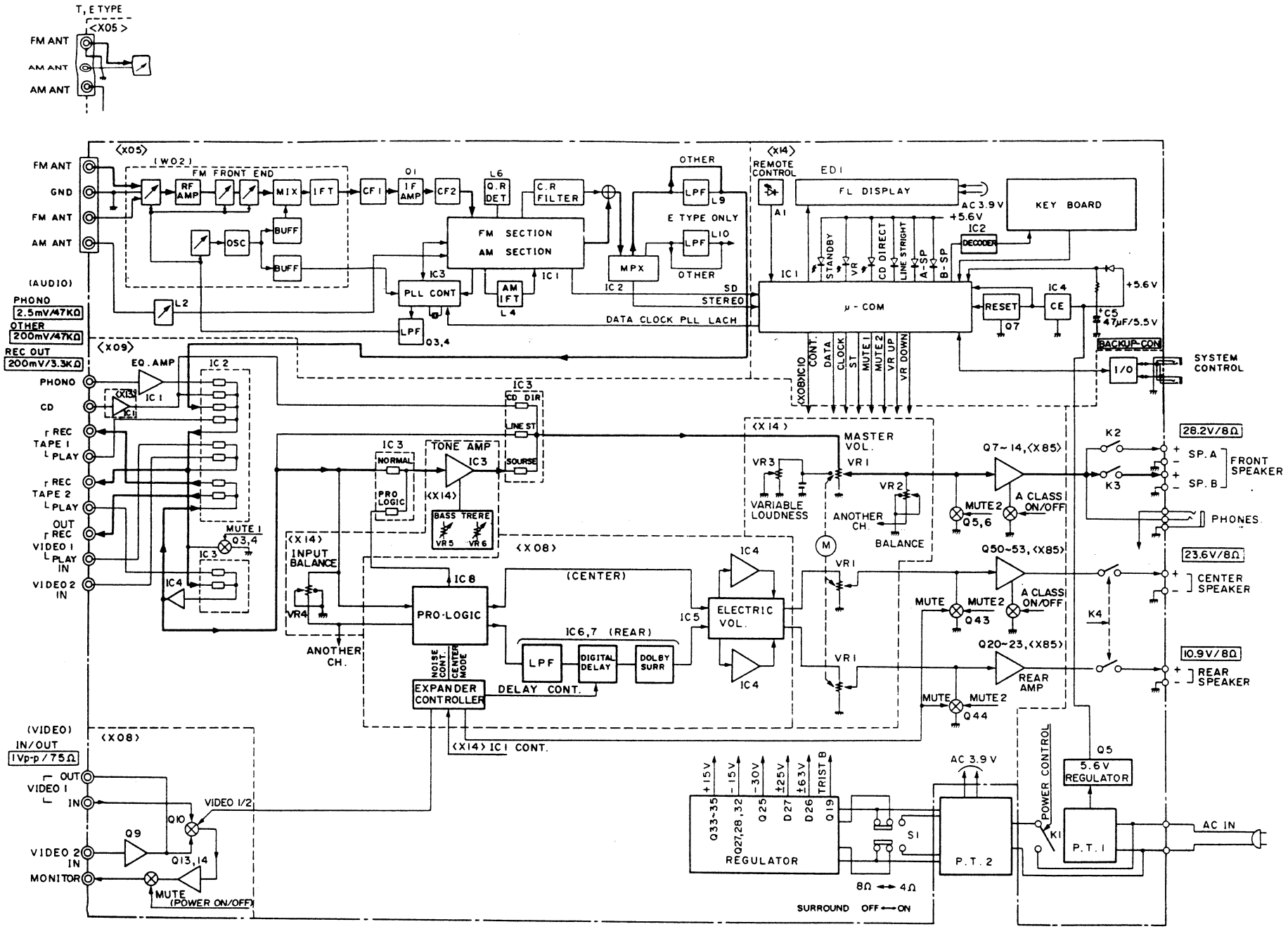
Input selector keys
Switches the input selector on the amplifier.

VOLUME CONTROL keys
Adjust the volume. During operation, the VOLUME CONTROL knob on the front panel turns and the indicator on the knob blinks at high speed.

KENWOOD
REMOTE CONTROL UNIT
RC-7030

BLOCK DIAGRAM

KR-V7030



CIRCUIT DESCRIPTION

1-1. Initial Setting
1) Function initial setting

POWER	OFF
SELECTOR (AUDIO)	TUNER
SELECTOR (VIDEO)	VIDEO 1
TAPE 2	OFF
CD DIRECT	OFF
LINE STRAIGHT	OFF
SPEAKERS A	ON
SPEAKERS B	OFF
BAND	FM
FREQUENCY	87.5 MHz
AUTO/MONO	AUTO
FL DISPLAY OF PRESET CHANEL	"- -"
SURROUND	BYPASS
CENTER LEVEL	-20dB
REAR LEVEL	-20dB
DELAY TIME	20ms

2) Frequency memorized for each PRESET channel when the memory is cleared (Test frequency)

DESTINATION / CH	K		E	
	BAND	FREQUENCY	BAND	FREQUENCY
1	FM	98.00	FM	98.00
2	FM	108.00	FM	108.00
3	AM	630	AM	630
4	AM	990	AM	990
5	AM	1440	AM	1440
6	AM	1610	AM	1602
7	FM *(AM)	87.50 (1700)	FM	87.50
8	FM	87.50	FM	87.50
9	FM	87.50	FM	87.50
10	FM	89.10	FM	89.10
11 ~ 20	FM	87.50	FM	87.50

* 1700kHz is set for WIDE only. FM: MHz AM: kHz

3) The initial setting is performed in a following event:
1. When backup memory data is destroyed when reset is applied to the microprocessor.
2. When the power cord is plugged in to the AC wall outlet while pressing the TUNER key.

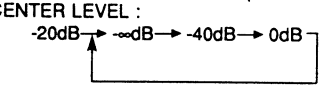
1-2. Test Mode Setting
1) Method of entering the test mode (1)
While pressing the CD key, plug the power cord to the AC wall outlet. When the test mode is entered, the FL tube display all lights.

2) Method of entering the test mode (2)
Set the test mode (1), then, when the following keys is pressed, test mode (2) is entered.

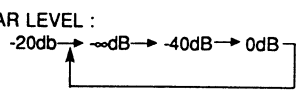
- (TUNING) UP/DOWN
- +10
- BAND
- CD DIRECT
- 3-STEREO
- PRO LOGIC

3) Contents of test mode (2)

- (TUNING) UP : Electrically driven volume up.
- (TUNING) DOWN : Electrically driven volume down.
- +10 : Electrically driven volume stop. After press PRO-LOGIC key or 3 stereo key (dolby on)
- BAND : Test tone ON/OFF
- CD DIRECT : Test tone mode (test L/C/R/S)
- CENTER LEVEL :



- REAR LEVEL :



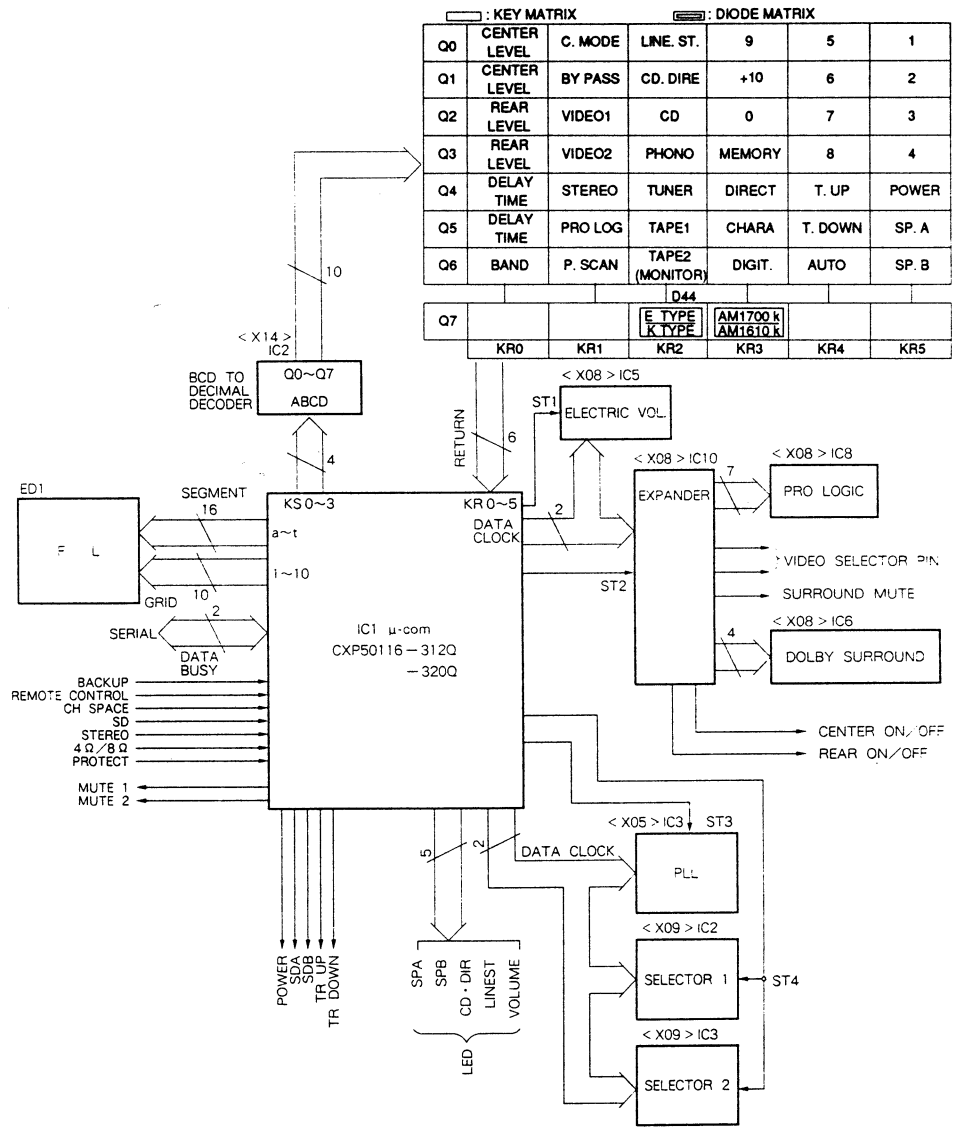
- DELAY TIME : 16 ~ 30 ms (Continue action 200ms ISTEP)

4) Method of canceling the test mode
Unplug the power cord from the AC wall outlet once.

KR-V7030

CIRCUIT DESCRIPTION

2.CXP50116-312Q/-320Q(X14:IC1)MICRPROCESSOR
2.1 Terminal connection diagram



CIRCUIT DESCRIPTION

1) Destination set SW: E type/K type

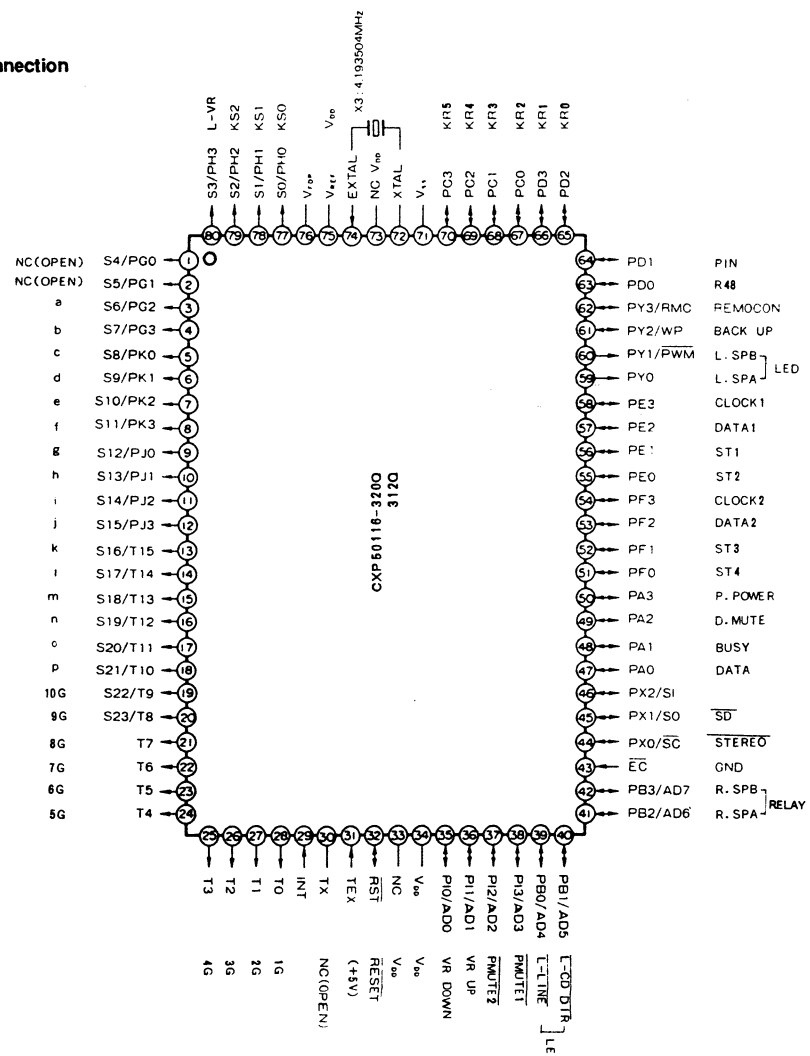
Destination set SW	Desti-nation	BAND	Reception frequency band	Channel space	Reference frequency
O	K	FM	87.5~108.0 MHz	100 kHz	50 kHz
		AM	530~1610 kHz 530~1700 kHz	10 kHz	10 kHz
1	E	FM	87.5~108.0 MHz	50 kHz	50 kHz
		AM	531~1602 kHz	9 kHz	9 kHz

2) Specification set SW: AM1700k/AM1610k

With destination sert SW at "0" : Effective only for K type

Specification st SW	AM reception frequency band
0	530-1610 kHz
1	530-1700 kHz

2. 2 Pin connection



KR-V7030

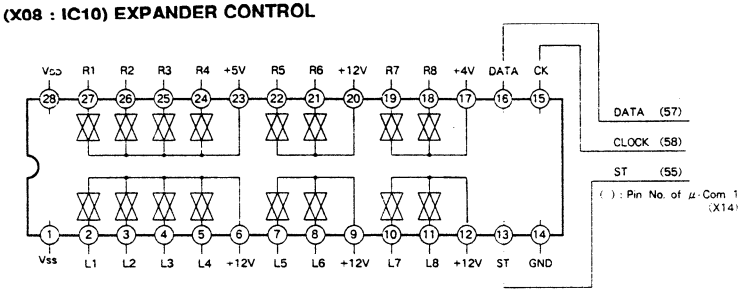
CIRCUIT DESCRIPTION

2.3 PIN DESCRIPTION

Pin No.	I/O	Name	Function
1, 2	-	No use	(OPEN)
3 ~18	O	SEGMENT 1~16	FL segment (a,j,h,k,b,f,g,m,c,e,r,n,p,d,s,t)
19 ~ 28	O	GRID 1~10	FL grid 10~1
29 ~ 31	I	INT, TX, TEX	No use.
32	I/O	RESET	Reset pin
33	-	No use	(+5V)
34	-	VDD	Power supply pin
35	I	VRDOWN	Electrically driven volume control H: VOL down L: Normal state
36	I	VRUP	Electrically driven volume control H: VOL up L: Normal state
37	I	P MUTE2	Line out mute control MUTE 2 H: MUTE OFF L: MUTE ON
38	I	P MUTE1	TAPE 2 REC OUT mute control H: MUTE OFF L: MUTE ON
39	O	L LINE	LED LINE STRAIGHT H: OFF L: ON
40	O	L CDDIR	LED CD DIRECT H: OFF L: ON
41	O	R SPA	Speaker A relay H: ON L: OFF
42	O	R SPB	Speaker B relay H: ON L: OFF
43	-	EC	(GND)
44	I	STEREO	Stereo signal input H: MONO L: STEREO
45	I	SD	Tuning signal input H: NO SIGNAL L: TUNED
46	-	No use	(GND)
47	I/O	DATA	Serial "DATA"
48	I/O	BUSY	Serial "BUSY"
49	O	D MUTE	Data mute (for IC control)
50	O	P POWER	Power H: ON L: OFF
51	O	ST4	Strobe 4 (selector)
52	O	ST3	Strobe 3 (PLL)
53	O	DATA2	Data 2 (PLL, selector)
54	O	CLOCK2	Clock 2 (PLL, selector)
55	O	ST2	Strobe 2 (expansion)
56	O	ST1	Strode 1 (electric volume)
57	O	DATA1	Data 1 (electric volume expansion)
58	O	CLOK1	Clock 1 (electric volume expansion)
59	O	L SPA	LED speaker A H: OFF L: ON
60	O	L SPB	LED speaker B H: OFF L: ON
61	I	BACKUP	Backup input pin
62	I	REMOCON	Remote control input pin
63	I	R48	Speaker impedance (4Ω/8Ω) selection input H: 4Ω L: 8Ω
64	I	PIN	Protection input pin
65 ~70	I	KRO~5	Key return 0~5 H: There is input. L: There is no input.
71	-	Vss	GND
72	-	XTAL	System clock oscillation pin
73	-	No use	(GND)
74	I	EXTAL	System clock oscillation pin
75	-	VREF	No use
76	-	VFDP	Power supply for flourescent display drive pin
77 ~79	O	KSO~2	Key scan 0~2
80	O	LVR	LED volume H: ON L: OFF

CIRCUIT DESCRIPTION

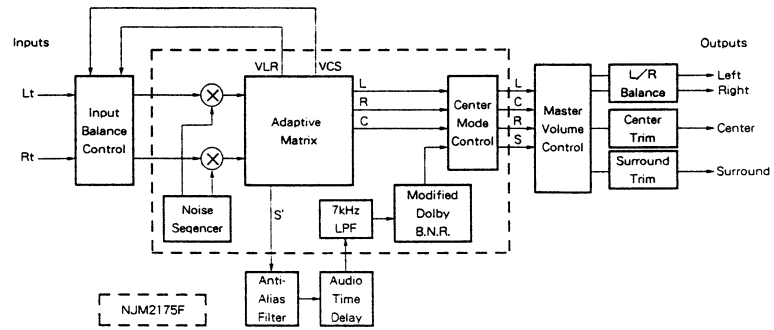
3. TC9164N (X08 : IC10) EXPANDER CONTROL

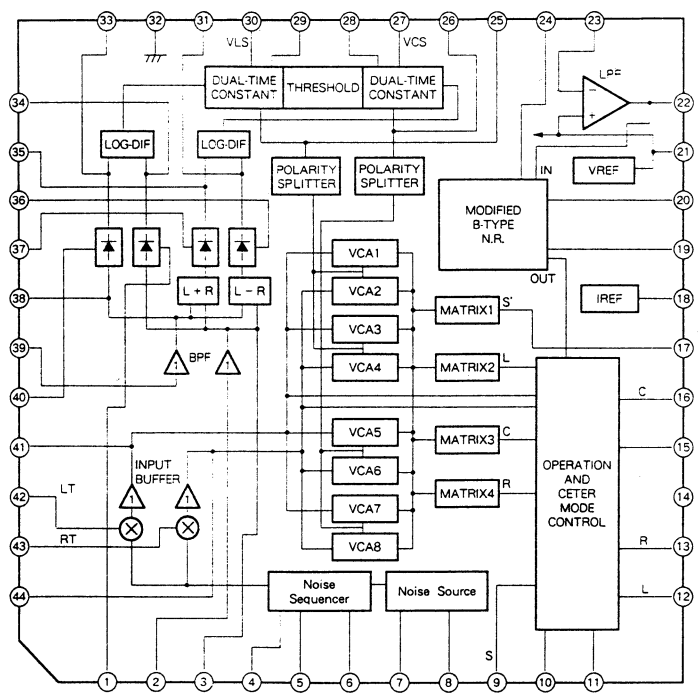


Pin No	SW			Contents		
2	L	1	S1	DATA setting of LV1000(DIGITAL DELAY)	Switch ON .....1 ex. When all switches turn OFF, perform the delay of 20.4ms.	
3		2	S2			
4		3	S3			
5		4	S4			
7		5	VIDEO2	VIDEO input I, 2 selection	Select the video input of switch OFF.	
8		6	VIDEO1			
10		7	CENTER AMP ON/OFF	Switch OFF .....MUTE ON		
11		8	REAR AMP ON/OFF	Switch OFF .....MUTE ON		
27	R	1	MUTE	When change the data of digital delay, perform mute ON/OFF.		
26		2	NOISE CONTROLL	E	Normal signal output : ON Noise signal output : OFF	
25		3		A	Switch ON ....."H" Switch OFF ....."L"	
24		4		B		
22		5	CENTER OUTPUT ON/OFF	Switch ON.....CENTER OUTPUT Switch OFF.....NO OUTPUT		
21		6	OPERATION MODE CONTROLL	Switch ON .....4ch Switch OFF 3ch		
19		7	CENTER MODE CONTROLL	Switch ON .....NORMAL mode Switch OFF.....PHANTOM mode	When the switch R5 is ON, perform the center mode control. When the switch R7 and 8 become OFF, select the PHANTOM mode.	
18		8		Switch ON .....WIDE BAND mode Switch OFF.....PHANTOM mode		

CIRCUIT DESCRIPTION

4. NJM2175F (X08 : IC8) Dolby prologic surround decoder





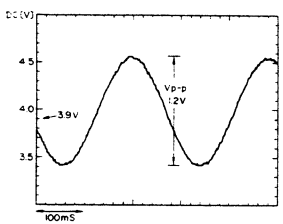
CIRCUIT DESCRIPTION

Pin name

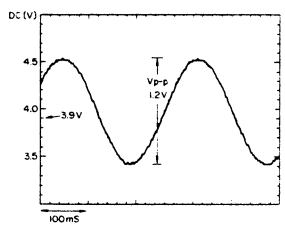
Pin NO.	Pin name	Pin NO.	Pin name	Pin NO.	Pin name
1	R-RECT-TC	*16	C-OUT	31	S-RECT-OUT
2	R-BPF-IN	*17	S'-OUT	32	GND
3	R-BPF-OUT	18	IREF	33	L-RECT-OUT
4	NOISE-CNT-E	19	NR-VCF	34	R-RECT-OUT
5	NOISE-CNT-A	20	NR-WT	35	C-RECT-OUT
6	NOISE-CNT-B	21	VREF	36	S-RECT-TC
7	NOISE-HPF	22	LPF-OUT	37	C-RECT-TC
8	NOISE-LPF	23	LPF-IN	38	L-BPF-OUT
9	S-OUT	24	NR-TC	39	L-BPF-IN
10	CENTER-CNT	25	VLR-TC3	40	L-RECT-TC
11	MODE-CNT	26	VCS-TC3	41	L-INBUF-OUT
*12	L-OUT	27	VCS-TC2	*42	L-IN
*13	R-OUT	28	VCS-TC1	*43	R-IN
14	Vcc	29	VLR-TC1	44	R-INBUF-OUT
15	CENTER-MODE	30	VLR-TC2		

* : Refer IN/OUTPUT waves.

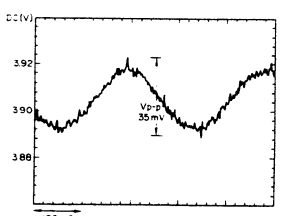
Pin No. 42 (L-IN)



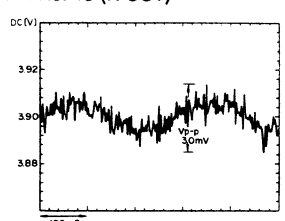
Pin No. 43 (R-IN)



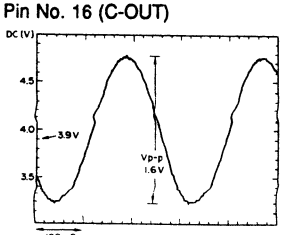
Pin No. 12 (L-OUT)



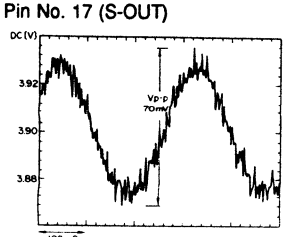
Pin No. 13 (R-OUT)



Pin No. 16 (C-OUT)



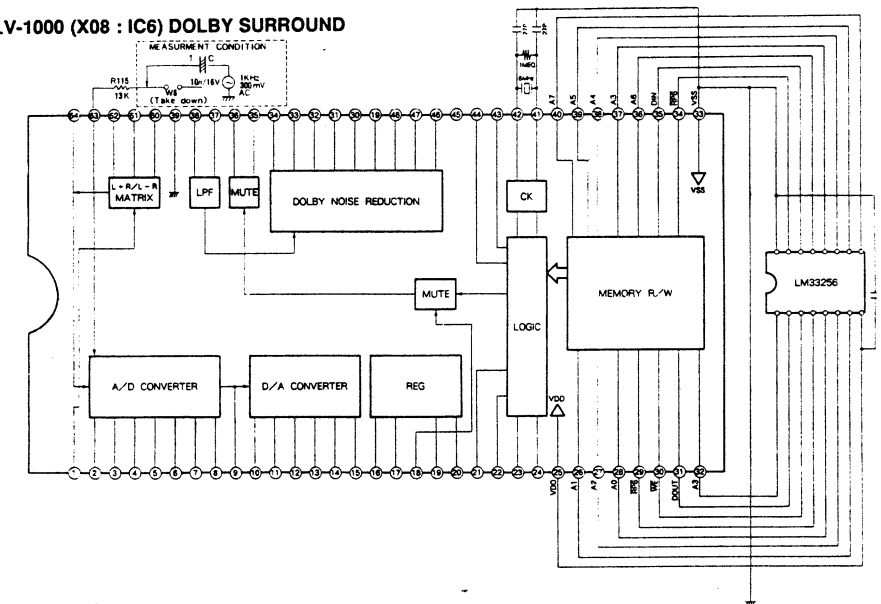
Pin No. 17 (S-OUT)



KR-V7030

CIRCUIT DESCRIPTION

5. LV-1000 (X08 : IC6) DOLBY SURROUND



Pin Description

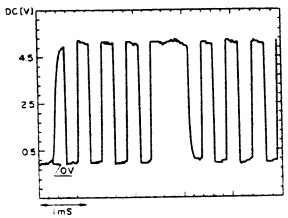
Pin No.	Description	Pin No.	Description
1	No used	42	Crystal oscillator for oscillation circuit
2	Comparator power supply filter	43	No used
3, 15	Detection input filter	44	No used
4, 14	Detection input filter	45	No used
5, 13	Pre-emphasis capacitor	46	NR smoothing capacitor
6, 12	Sliding band filter capacitor	47	NR smoothing capacitor
7	Sliding band filter capacitor and local decoder output	48	Capacitor for control amplifier frequency characteristics
8, 10	Capacitor for smoothing detection output		
9	Capacitor for de-coupling operating threshold voltage	49	Variable resistor input
11	Sliding band filter capacitor and delay output	50	NR input
16	Reference voltage (1/2 Vcc), primary	51	7-kHz low-pass filter output
17	Reference voltage (1/2 Vcc), secondary	52	NR input
18	No used	53	De-coupling capacitor
19	Vcc	*54	Delay output and NR output
20	No used	55	No used
21	Clock for serial input, data input for parallel input	56	No used
22	Data for serial input, data input for parallel input	57	7-kHz filter output
23	Column address selection for serial input, data input for parallel input	58	7-kHz filter input
		59	GND
24	Row address selection for serial input, data input for parallel input	60	No used
		61	No used
25	VDD	62	Matrix output de-coupling capacitor
*26-40	Connection with memory IC	63	Noise shaping and delay input
33	Vss	*64	Noise shaping output
41	Crystal oscillator for oscillation circuit		

* : Refer to IN/OUTPUT waves

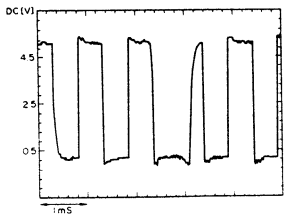
CIRCUIT DESCRIPTION

Measurement Condition	Mode	Normal
	Input	AG output 1kHz 300mV (connect a capacitor 10μ/16V.) It gets between R115 and W8 (Take down W8)

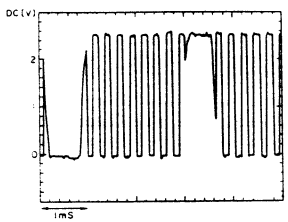
Pin No. 26



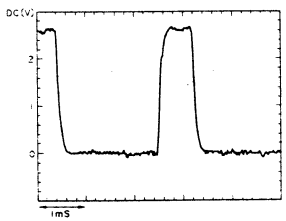
Pin No. 27



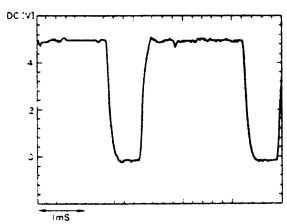
Pin No. 28



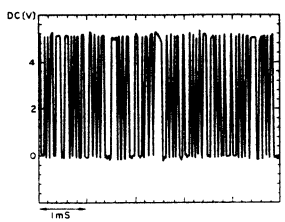
Pin No. 29



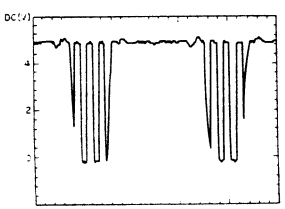
Pin No. 30



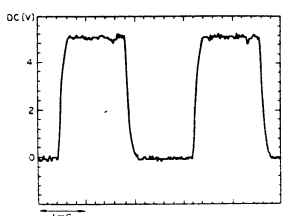
Pin NO. 31



Pin No. 32

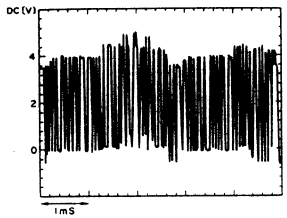


Pin No. 34

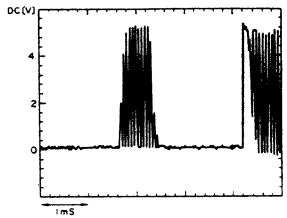


CIRCUIT DESCRIPTION

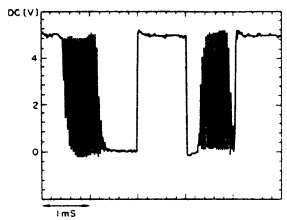
Pin No. 35



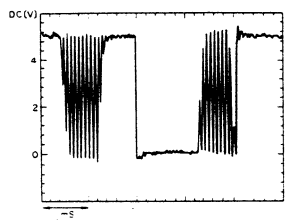
Pin No. 36



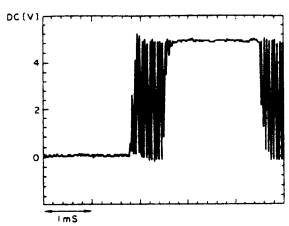
Pin No. 37



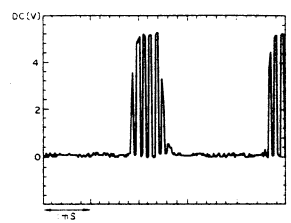
Pin No. 38



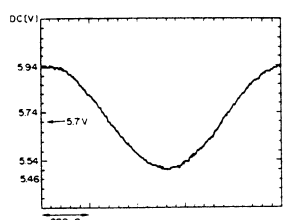
Pin No. 39



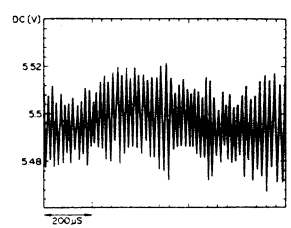
Pin NO. 40



Pin No. 54



Pin No. 64

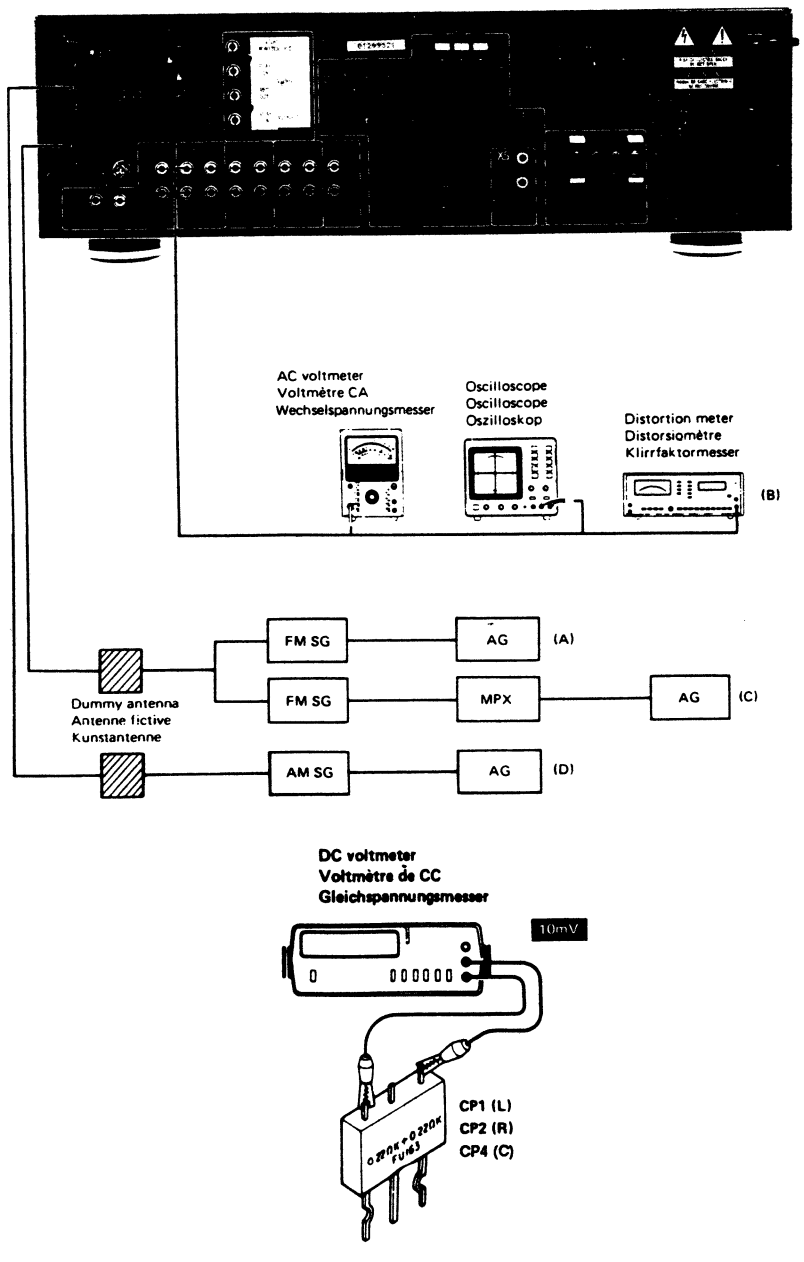


ADJUSTMENT

AM.Section: If alignment piont is "-", Confirm the value.
If not,replace the front end pack.

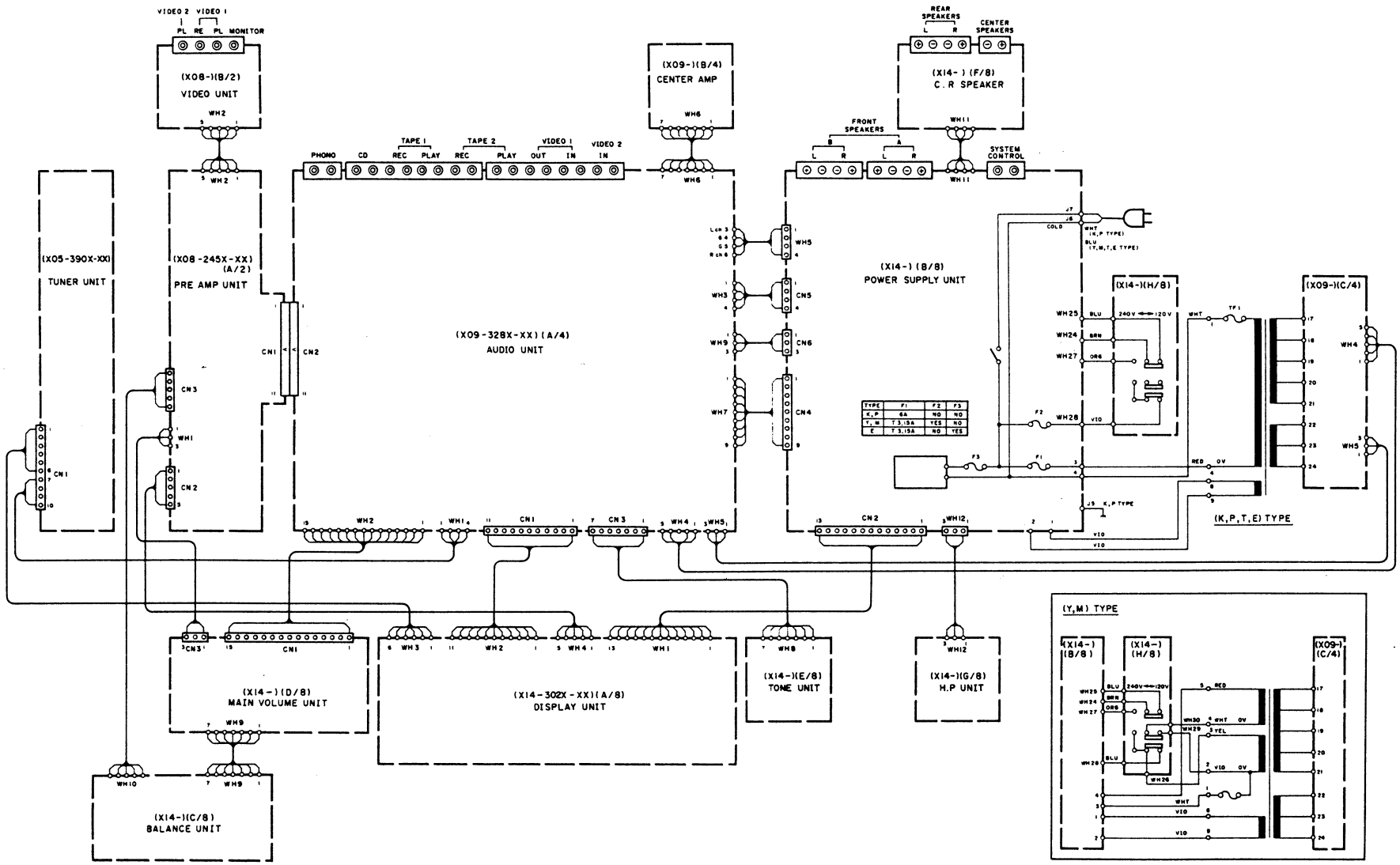
No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION		(X05-)	SELECTOR: FM				
1	DISCRIMINATOR	(A) 98.0MHz 1kHz,±75kHz dev 60dBμ(ANT input)	Connect a DC voltmeter between TP3 and TP4. (X05-)	AUTO or MONO 98.0MHz	L6 (X05-)	0V	(a)
2	VCO	(A) 98.0MHz 0 dev 60dBμ(ANT input)	Connect a frequency counter between TP6 and TP5. (X05-)	AUTO 98.0MHz	VR2 (X05-)	19.00kHz	(b)
3	DISTORTION (STEREO)	(C) 98.0MHz 1kHz,±68.25kHz dev Selector:L or R Pilot:±6.75kHz dev 60dBμ(ANT input)	(B)	98.0MHz	IFT (Front end)	Minimum distortion.(L or R)	
4	SEPARATION (T,E TYPE)	(C) 98.0MHz Stereo signal 60dB(ANT input)	(B)	AUTO 98.0MHz	VR3 (X05-)	Minimum crosstalk	
5	TUNING LEVEL	(A) 98.0MHz 0dev 18dBμ(ANT input)	(B)	AUTO or MONO 98.0MHz	VR1 (X05-)	Adjust VR1 and stop at the point where ED1(TUNED)goes on.	
AM SECTION		(X05-)	SELECTOR: AM				
(1)	TUNING LEVEL	(D) 1000(999)kHz 26dBμ(ANT input)	(B)	-	VR4 (X05-)	Adjust VR4 and stop at the point where ED1(TUNED) goes on.	
AUDIO SECTION							
<1>	IDLE CURRENT	-	(E) Connect a DC voltmeter across CP1(L) CP2(R) CP4(CENTER) (X09-)	Volume:0	VR1(L) VR2(R) VR4(C) (X09-)	10mV	(C)
<2>	DOLBY LEVEL	Prologic:Normal Connect the AG to CD terminal AG output:1kHz. Adjust the AG output level so as to the output of 5pin in CN6(X08-) be 400mV.	Connect a DC voltmeter between 4pin in CN4(X08-) and GND.		VR3 (X08-)	300mV	(d)

ADJUSTMENT



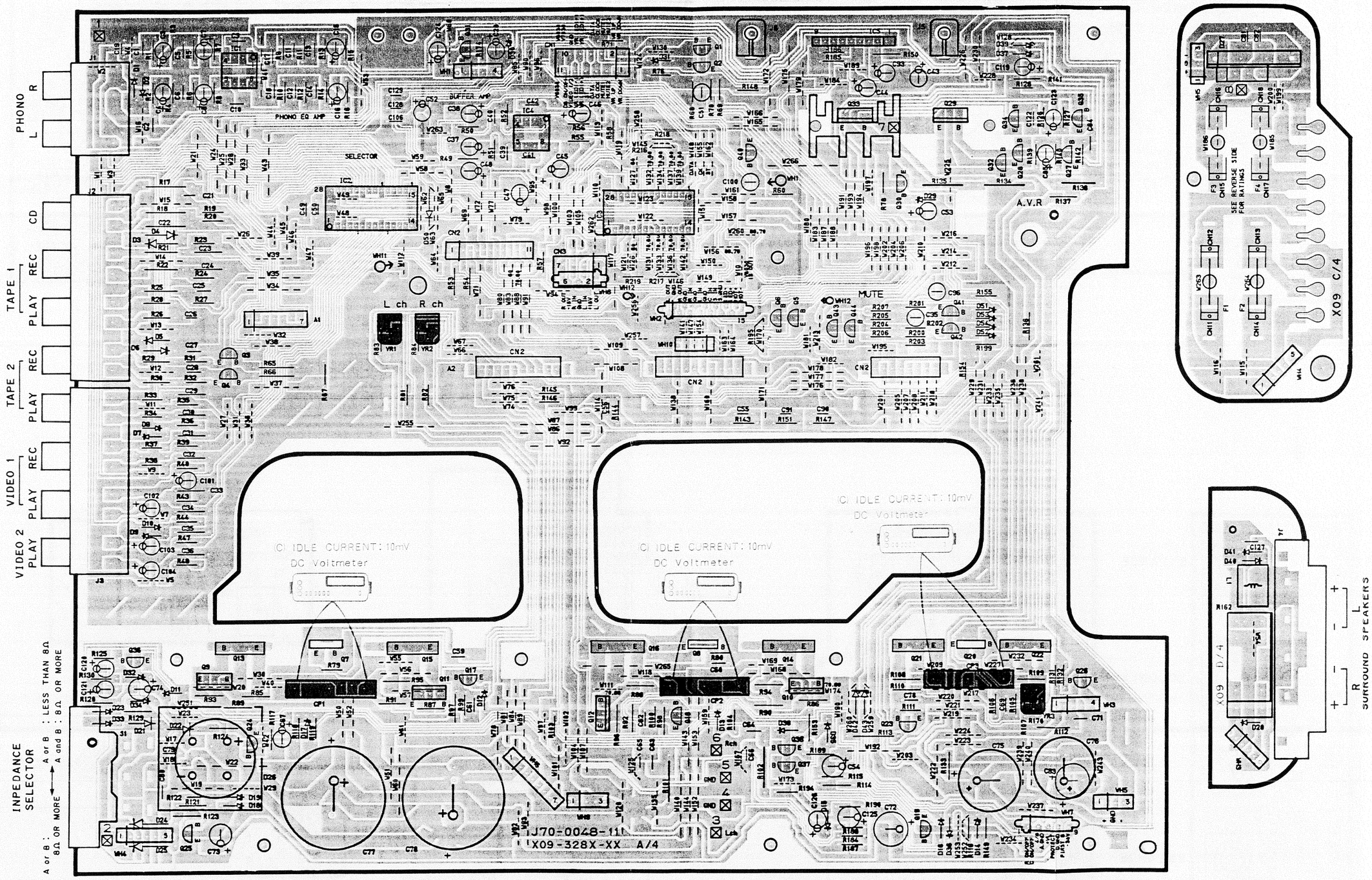
KR-V7030

WIRING DIAGRAM



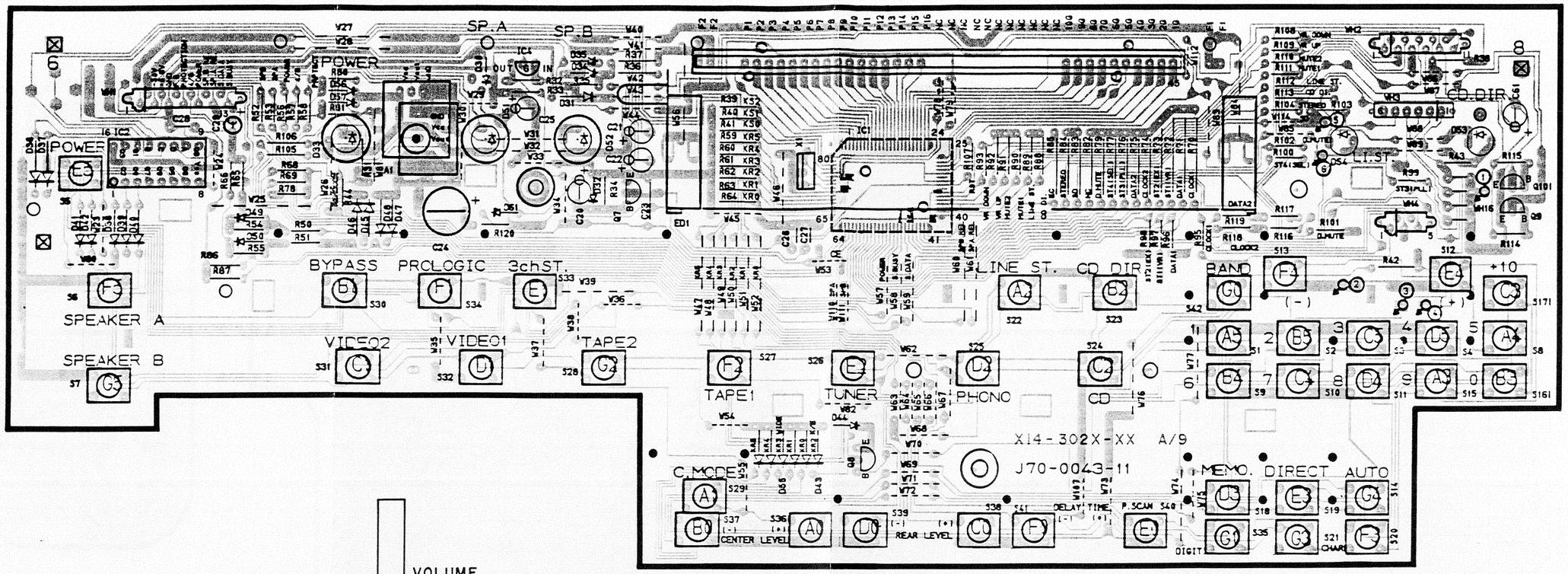
PC BOARD (Component Side View)

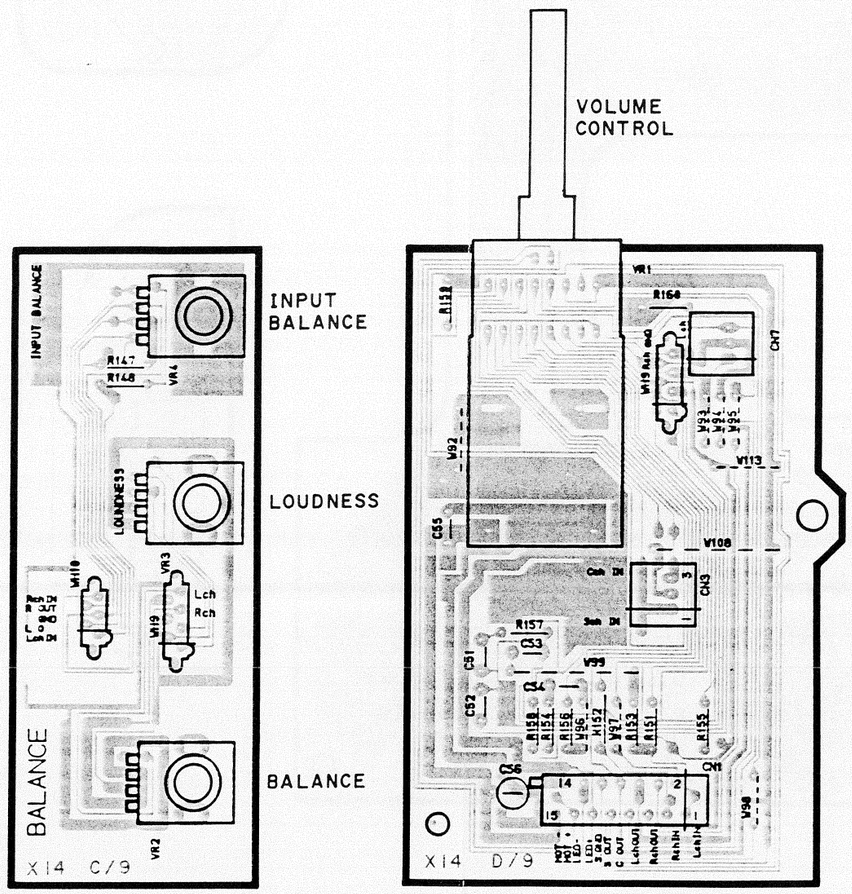
AUDIO UNIT

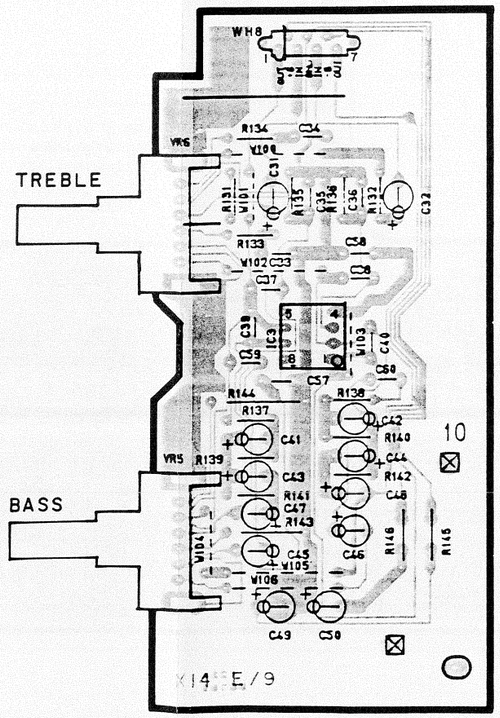


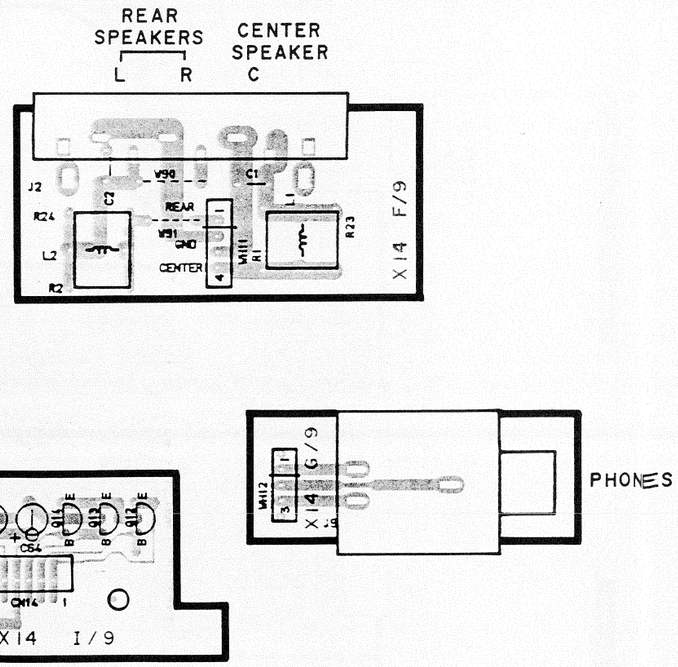
PC BOARD (Component Side View)

• DISPLAY UNIT



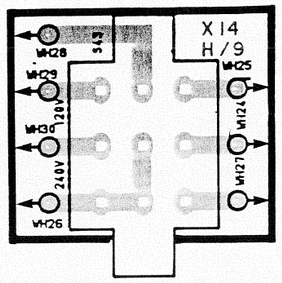




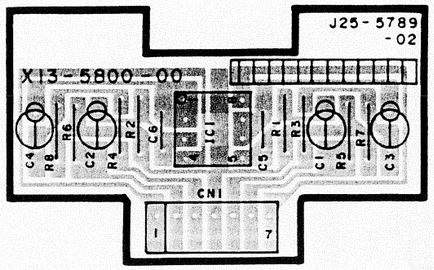


PC BOARD (Component Side View)

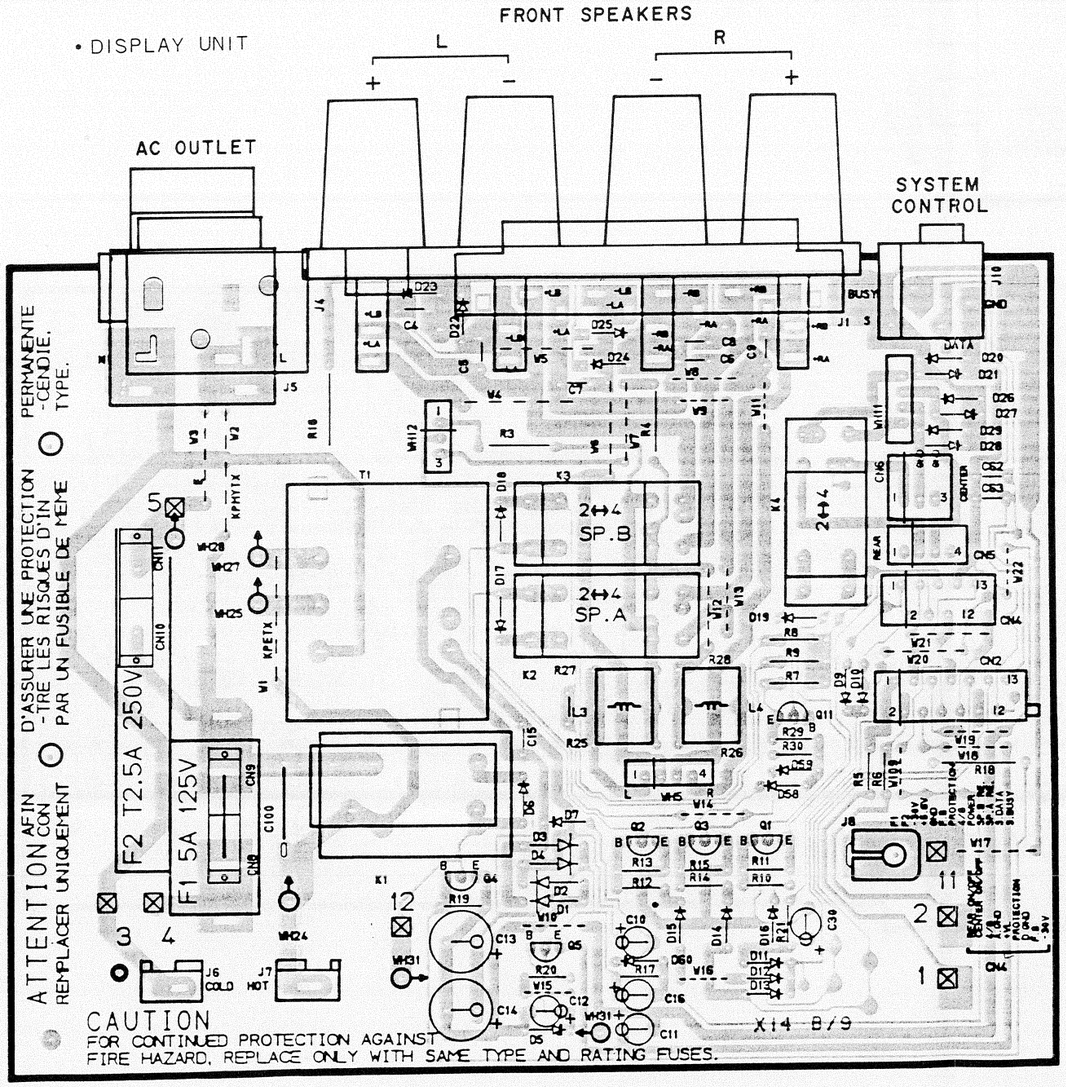
• DISPLAY UNIT



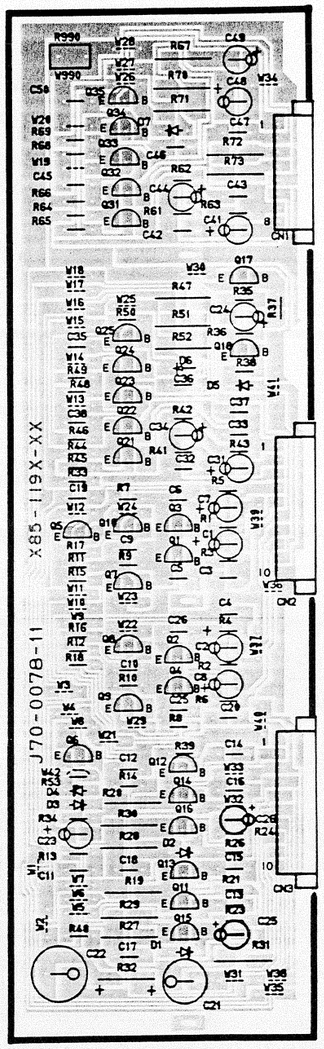
• BAFA UNIT



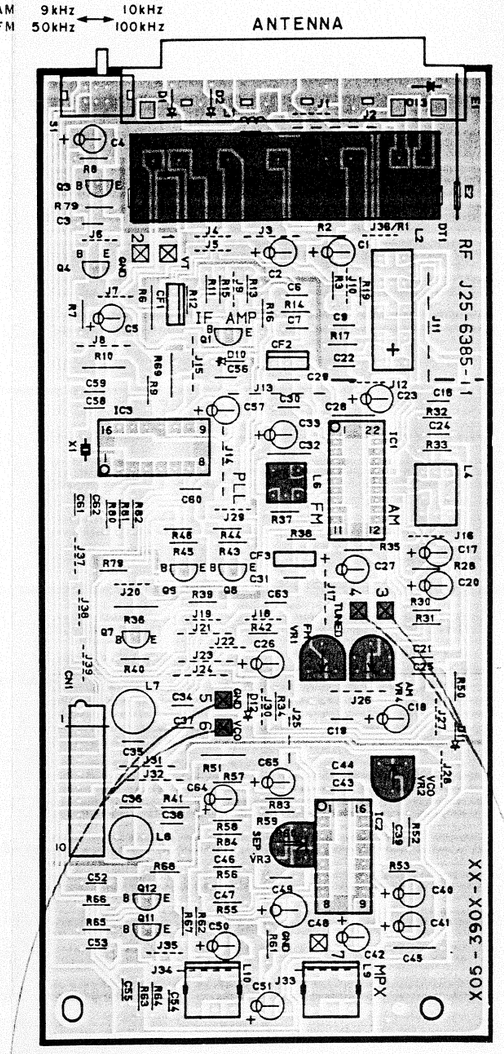
• DISPLAY UNIT



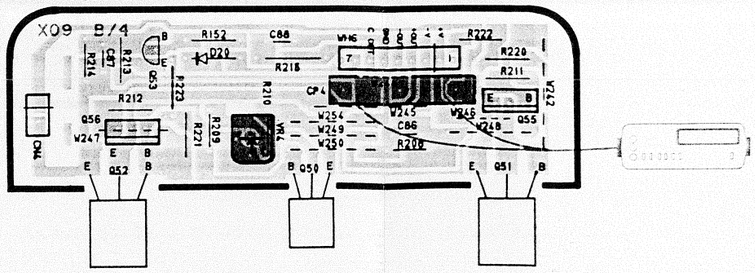
• PRE AMPLIFIER UNIT



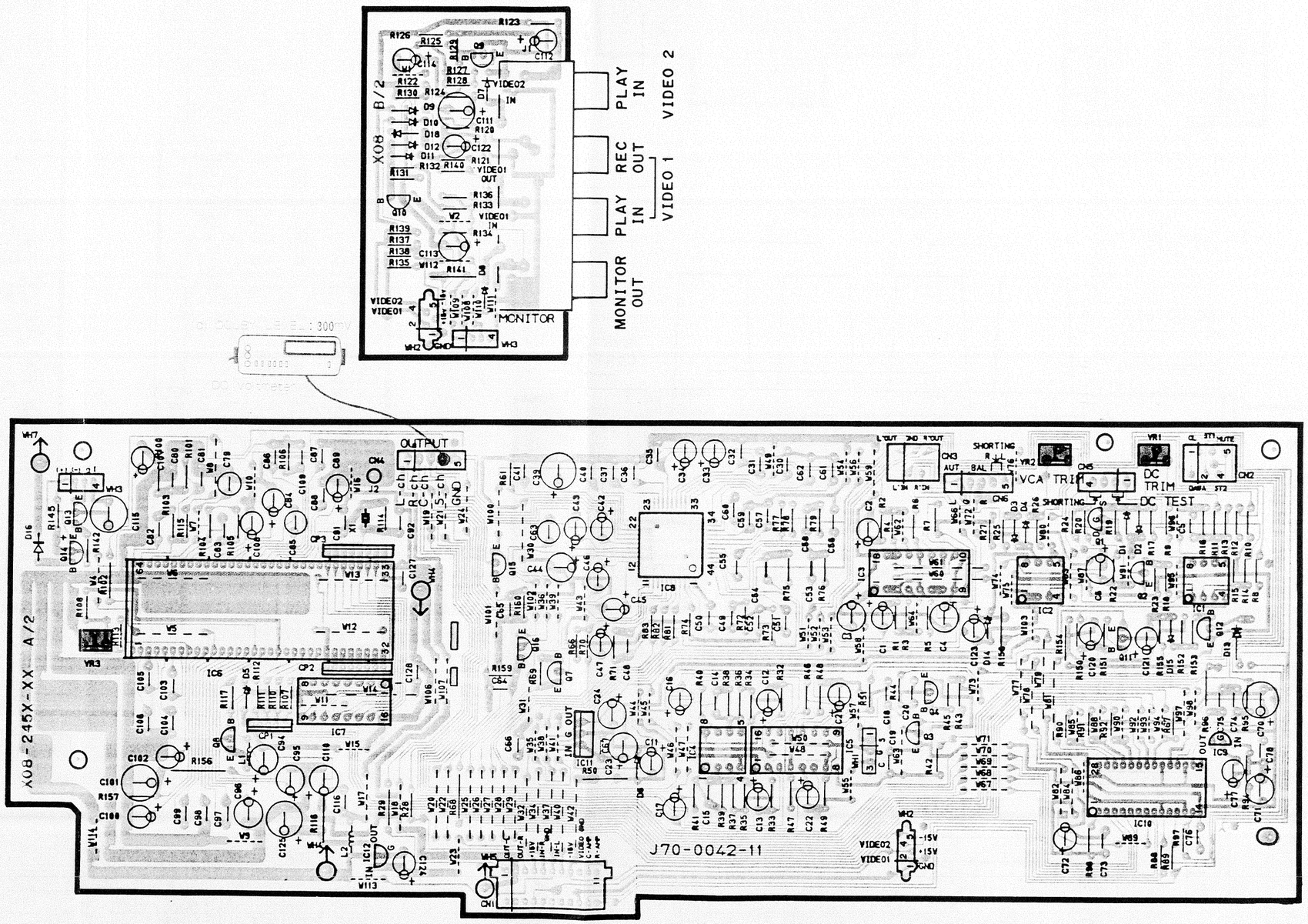
DE-EMPHASIS
50μS 75μS
CHANNEL SPACE
AM 9kHz ⟷ 10kHz
FM 50kHz ⟷ 100kHz

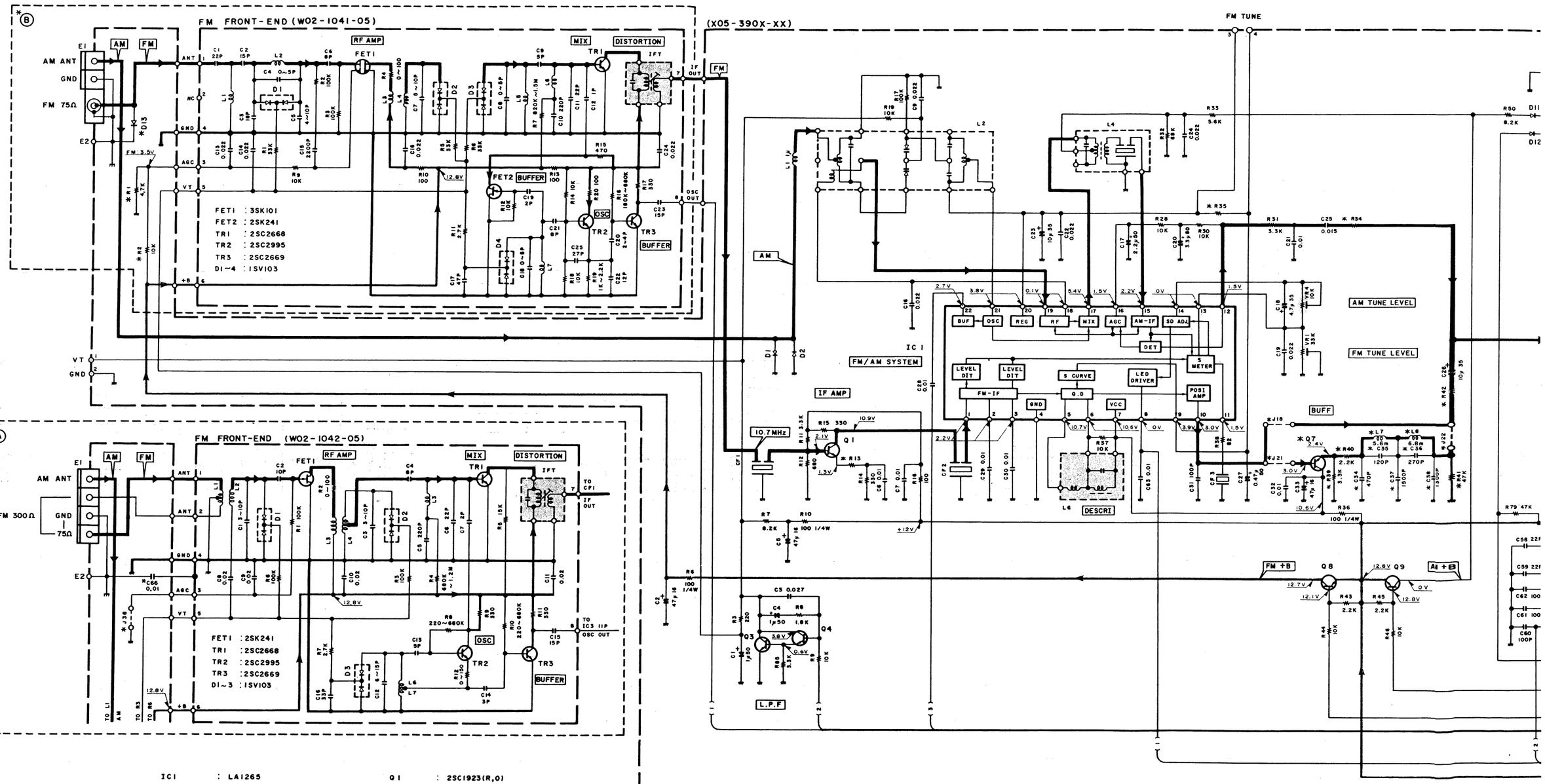


AUDIO UNIT



PC BOARD (Component Side View)



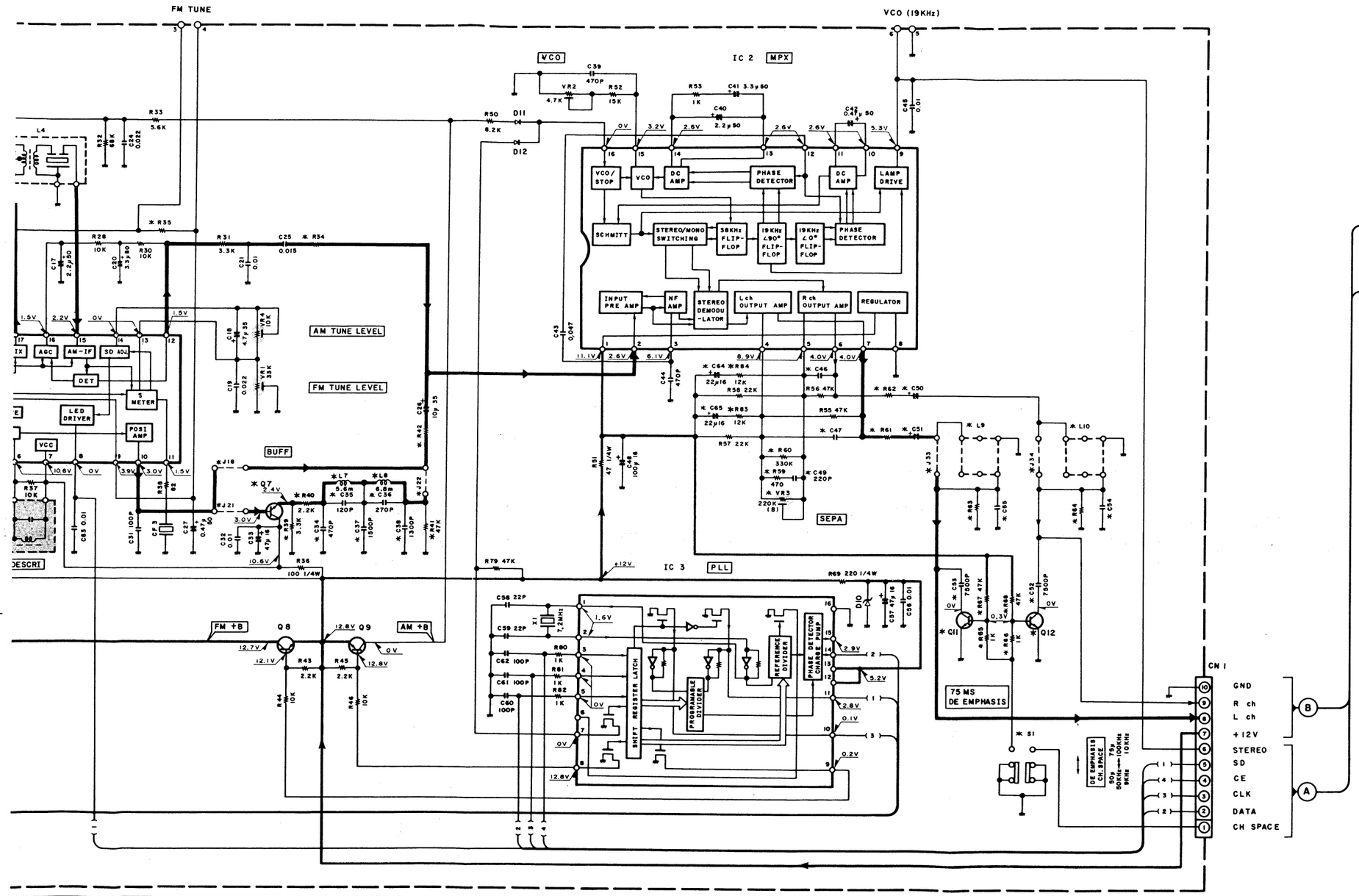


IC1 : LA1265
IC2 : AN7470
IC3 : LM7001

D1,2,11~13 : 1SS133 or HSS104
D10 : RD5.1ES(B2) or HZS5.1N(B2)
D13 : 1SS133

Q1 : 2SC1923(R,O)
Q3,7,11,12 : 2SC945(A)(Q,P) or 2SC1740S(Q,R)
Q4 : 2SC1845(F,E)
Q8,9,12 : 2SA733(A)(Q,P) or 2SA933S(Q,R)

Ref. NO. / DESTINATION		A	B	C34~38, 49 84, 85	C46, 47	C50, 51	C52 53, 66	C54, 55	S1	VR3	D13	J18, 33 34, 36	J21, 22	L7~10	Q7	Q11, 12	R1, 2, 39~41 54, 83, 84	R13	R34	R35	R42	R60	R61, 62	R63, 64	R65~68
K, P	0~10	YES	NO	NO	150p	1μ50	NO	0.022	NO	NO	NO	YES	NO	NO	NO	NO	NO	56	38K	15K	39K	YES	3.6K	39K	NO
M, Y	0~21	YES	NO	NO	150p	1μ50	YES	0.015	YES	NO	NO	YES	NO	NO	NO	YES	NO	56	38K	39K	39K	YES	3.6K	39K	YES
T, E	2~71	NO	YES	YES	1000p	2.2μ50	NO	4700p	NO	YES	YES	NO	YES	YES	YES	NO	YES	22	47K	39K	47K	NO	3.3K	3.3K	NO



	Q7	Q11, 12	R 1,2,39 ~ 41 54,83,84	R13	R34	R35	R42	R60	R61, 62	R63, 64	R65~68
	NO	NO	NO	56	36K	15K	39K	YES	3.6K	39K	NO
	NO	YES	NO	56	36K	39K	39K	YES	3.6K	39K	YES
	YES	NO	YES	22	47K	39K	47K	NO	3.3K	3.3K	NO

SIGNAL LINE
GND LINE
+B LINE

KR-V7030(K)(1/4)

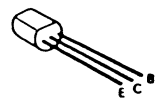
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

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

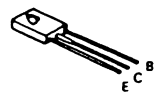
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

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

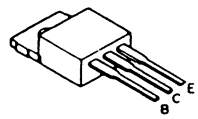
2SA1123
2SA733(A)
2SA992
2SA999
2SC1845
2SC1923
2SC2003
2SC2320
2SC2631
2SC2878
2SC394A
2SC945(A)
2SD1320



2SB772

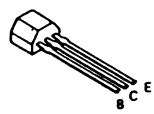


2SD1266



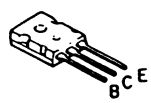
2SB1253*5

DTA24ES
DTC24ES
UN112
2SA1048
2SA933S
2SC1740S
2SC2458



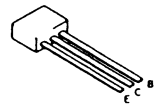
2SC4137

2SB1470*5
2SD2222*5

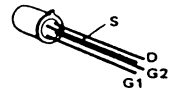


2SA1535A
2SC3944A

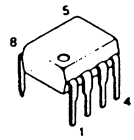
UN4212



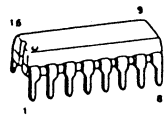
2SD1893*5



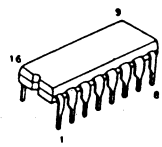
NJM4565D
NJM4565D-D



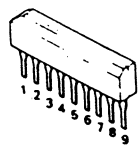
LM7001



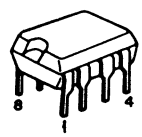
AN7470
TD9213P



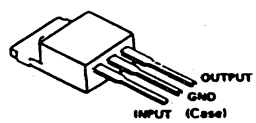
TA8409S



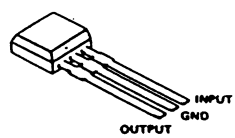
RC4565D
RC4565D-D
UPC4570C-A



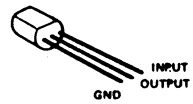
AN7812F
UPC7812HF



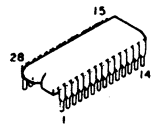
UPC78L05J
UPC78L12J



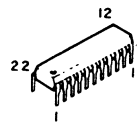
PST529C



TC9162N
TC9164N



LA1265



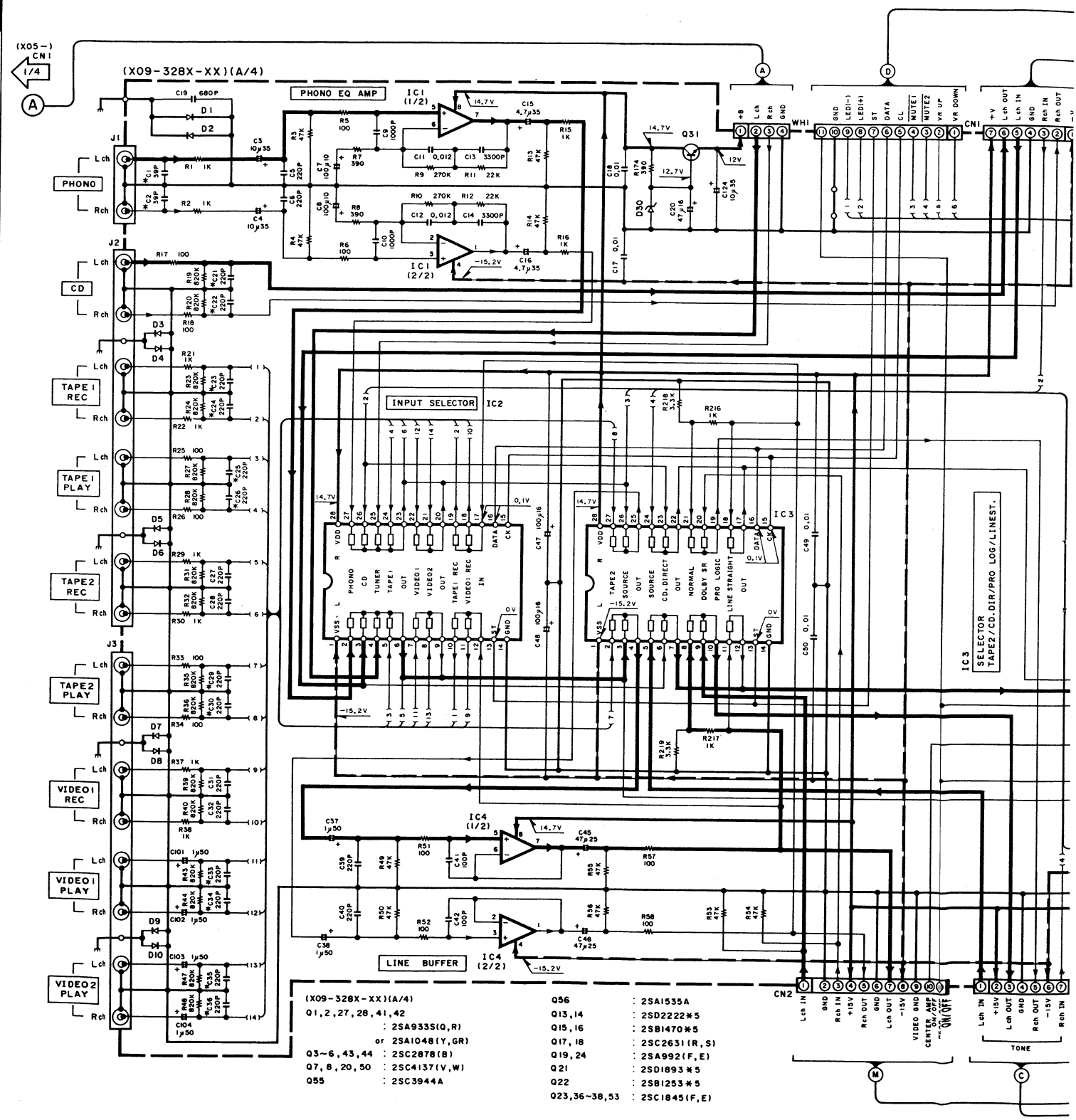
oltages are as measured with a high impedance voltme-
'alues may vary slightly due to variations between indi-
l instruments or/and units.

ensions c.c. doivent être mesurées avec un voltmètre à
: impédance. Les valeurs peuvent différer légèrement du
es variations inhérentes aux appareils et aux instruments
esure individuels.

ıngegebenen Gleichspannungswerte wurden mit einem
ohmigen Spannungsmesser gemessen. Dabei schwan-
lie Meßwerte aufgrund von Unterschieden zwischen ein-
n Instrumenten oder Geräten u. U. geringfügig.

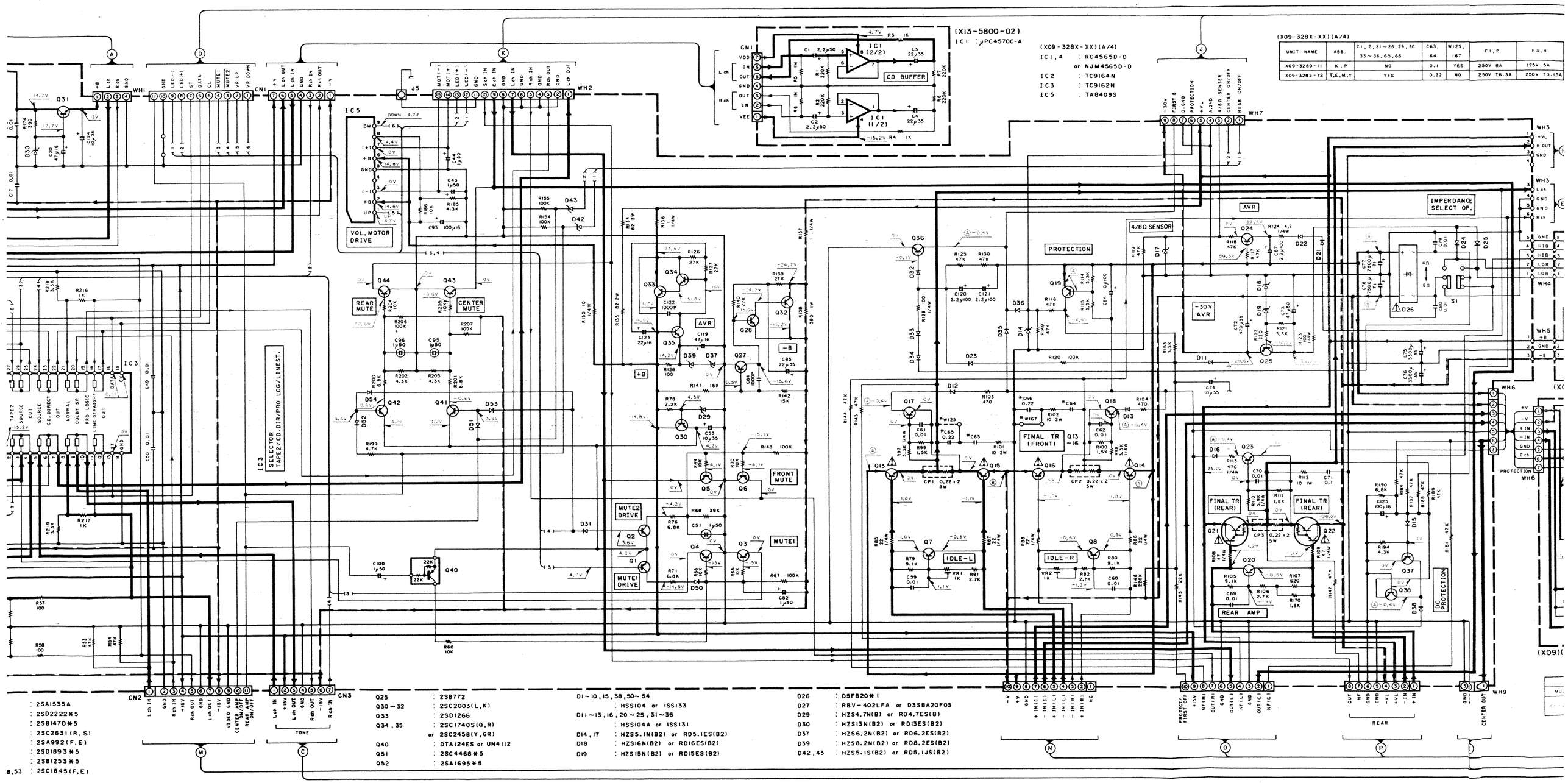
**TION: For continued safety, replace safety critical compo-
: only with manufacturer's recommended parts (refer to
list). ⚠ Indicates safety critical components. To reduce the
f electric shock, leakage-current or resistance measurements
be carried out (exposed parts are acceptably insulated from
ıpply circuit) before the appliance is returned to the custom-**

KR-V7030
KENWOOD



(X09-328X-XX)(A/4)

Q1,2,27,28,41,42	:	2SA933S(Q,R)
	or	2SA1048(Y,GR)
Q3~6,43,44	:	2SC2878(B)
Q7,8,20,50	:	2SC4137(V,W)
Q55	:	2SC3944A
Q56	:	2SA1535A
Q13,14	:	2SD2222*5
Q15,16	:	2SB1470*5
Q17,18	:	2SC2631(R,S)
Q19,24	:	2SA992(F,E)
Q21	:	2SD1893*5
Q22	:	2SB1253*5
Q23,36~38,53	:	2SC1845(F,E)



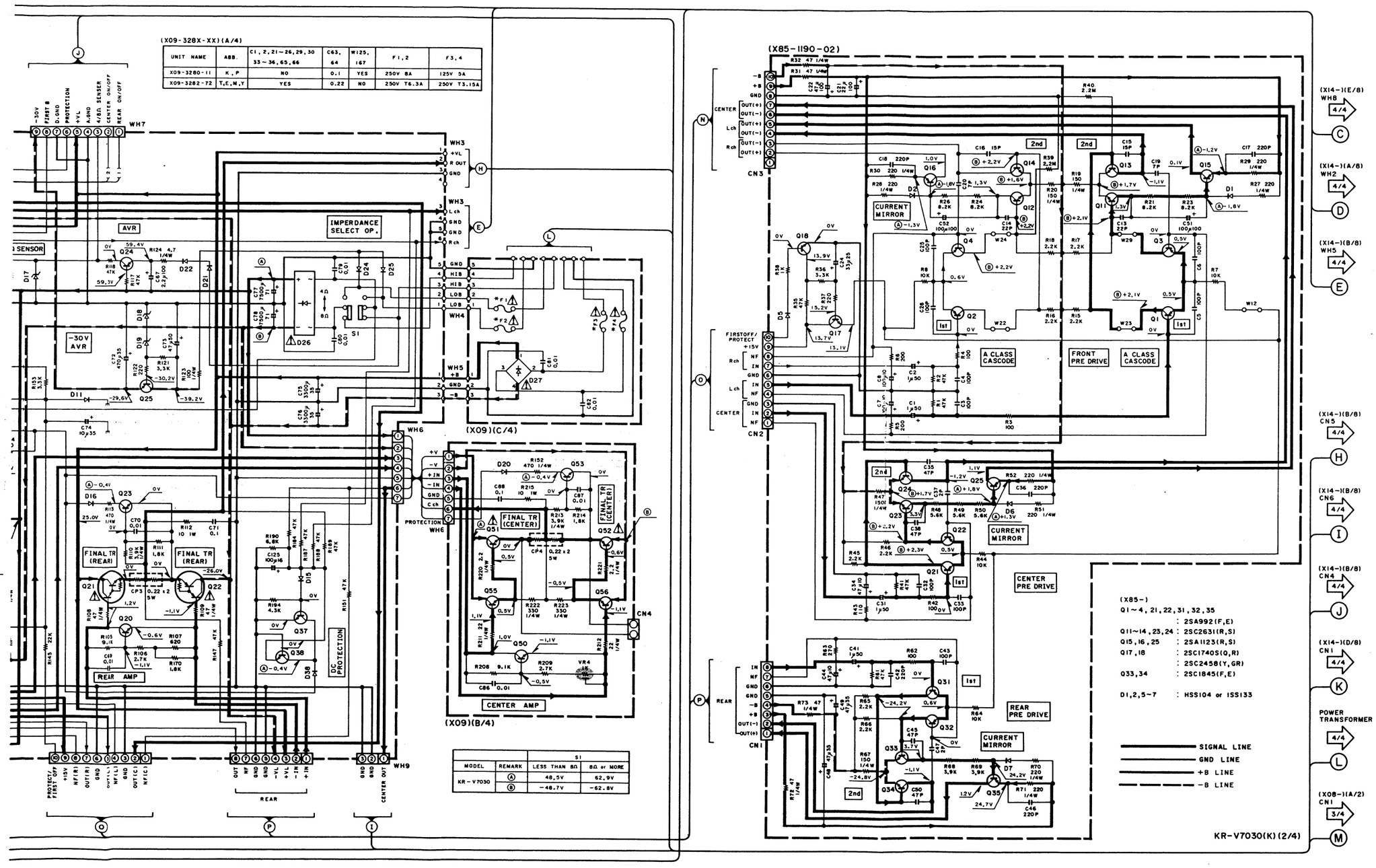
UNIT NAME	ABB.	C1, 2, 21~26, 29, 30 33~36, 65, 66	C63, 64	W125, 167	F1, 2	F3, 4
X09-3280-11	K, P	NO	0.1	YES	250V 8A	125V 5A
X09-3282-72	T, E, M, Y	YES	0.22	NO	250V T6.3A	250V T3.15A

: 2SA1535A
: 2SD2222*5
: 2SB1470*5
: 2SC2631(R, S)
: 2SA992(F, E)
: 2SD1893*5
: 2SB1253*5
8,53 : 2SC1845(F, E)

Q25 : 2SB772
Q30~32 : 2SC2003(L, K)
Q33 : 2SD1266
Q34, 35 : 2SC1740S(Q, R) or 2SC2458(Y, GR)
Q40 : DTA124ES or UN4112
Q51 : 2SC4468*5
Q52 : 2SA1695*5

D1~10, 15, 38, 50~54 : HSS104 or 1SS133
D11~13, 16, 20~25, 31~36 : HSS104A or 1SS131
D14, 17 : HZS5.1N(B2) or RD5.1ES(B2)
D18 : HZS16N(B2) or RD16ES(B2)
D19 : HZS15N(B2) or RD15ES(B2)

D26 : D5FB20*1
D27 : RBV-402LFA or D3SBA20FQ3
D29 : HZS4.7N(B) or RD4.7ES(B)
D30 : HZS13N(B2) or RD13ES(B2)
D37 : HZS6.2N(B2) or RD6.2ES(B2)
D39 : HZS8.2N(B2) or RD8.2ES(B2)
D42, 43 : HZS5.1S(B2) or RD5.1JS(B2)



UNIT NAME	ABB.	C1, 2, 21~26, 29, 30 33~36, 65, 66	C63, 64	W125, 167	F1, 2	F3, 4
X09-3280-11	K, P	NO	0.1	YES	250V 8A	125V 5A
X09-3282-72	T, E, M, Y	YES	0.22	NO	250V T6.3A	250V T3.15A

MODEL	REMARK	S1 LESS THAN 8Ω	S1 8Ω or MORE
KR-V7030	Ⓐ	48.5V	62.9V
	Ⓑ	-48.7V	-62.8V

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

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

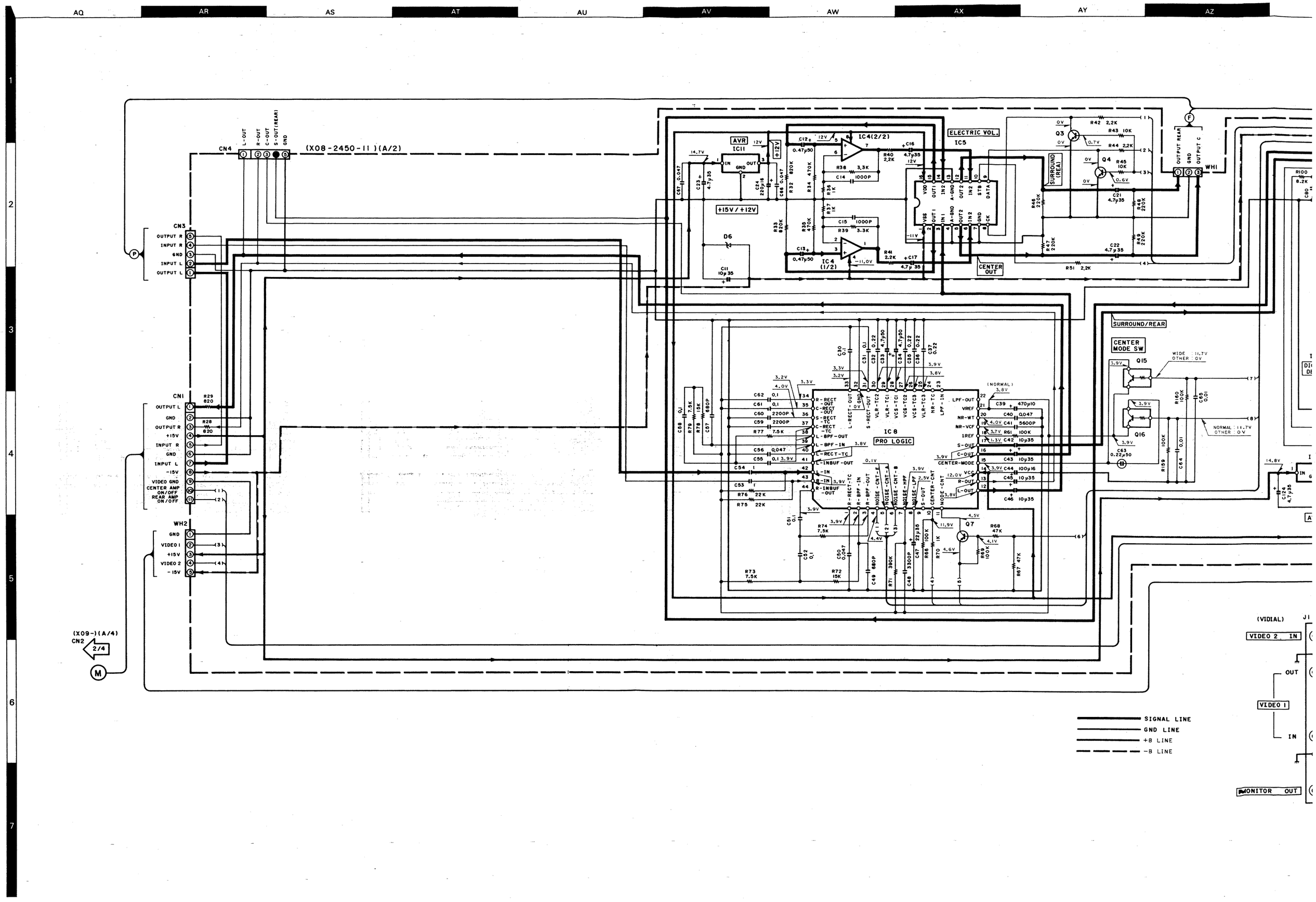
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

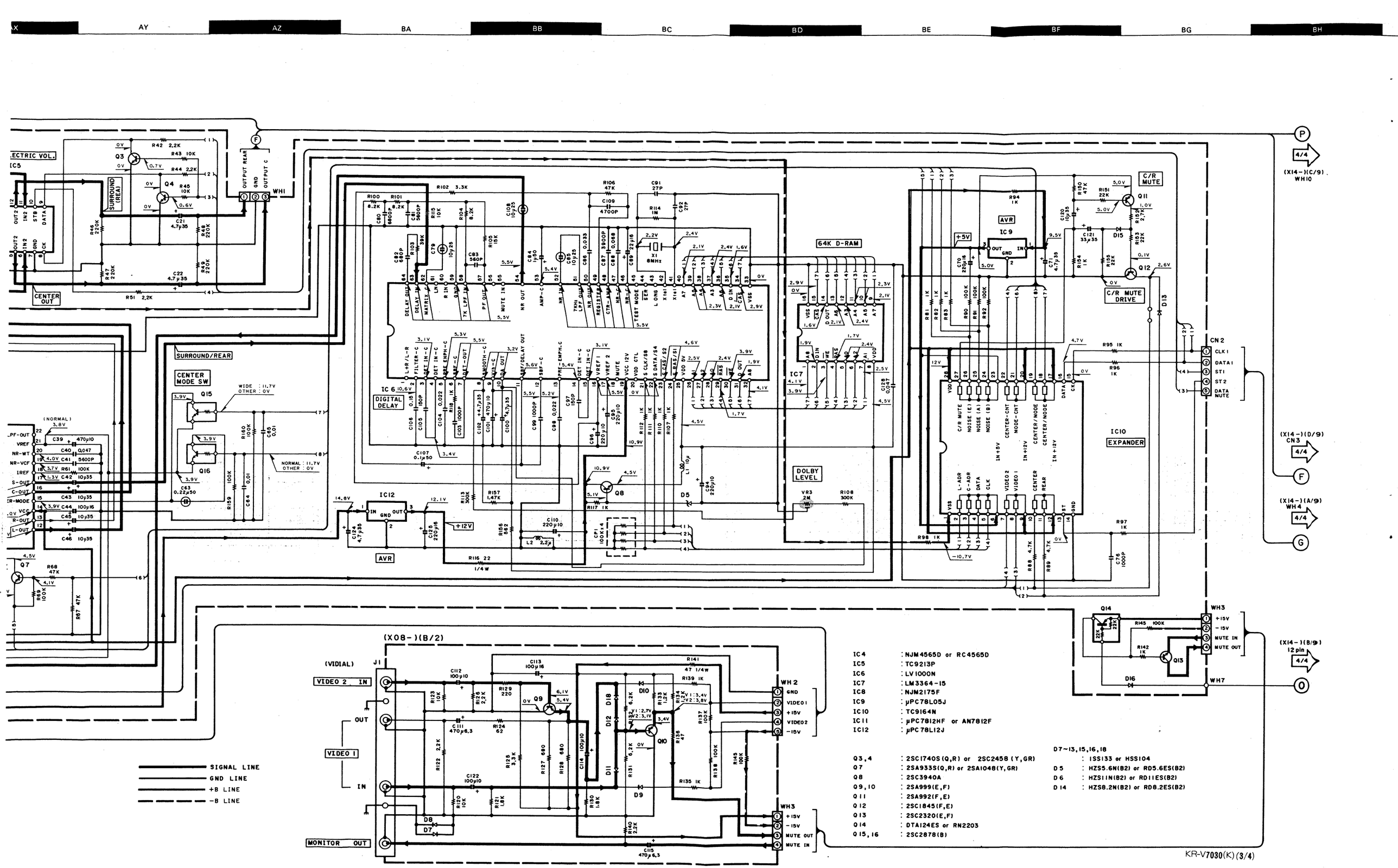
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

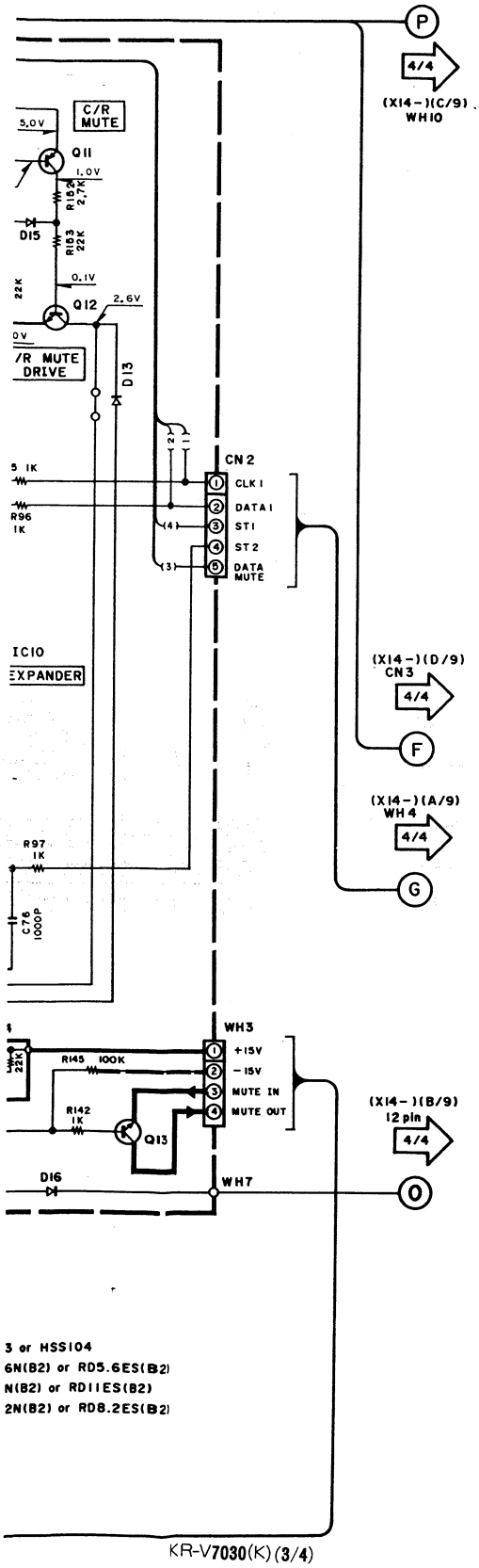
Y05-2530-10

KR-V7030

KENWOOD


AQ
AR
AS
AT
AU
AV
AW
AX
AY
AZ
CN4
L-OUT
R-OUT
C-OUT
S-OUT(REAR)
GND
(X08-2450-11)(A/2)
CN3
OUTPUT R
INPUT R
GND
INPUT L
OUTPUT L
CN1
OUTPUT L
GND
OUTPUT R
+15V
INPUT R
GND
INPUT L
-15V
VIDEO GND
CENTER AMP ON/OFF
REAR AMP ON/OFF
WH2
GND
VIDEO 1
+15V
VIDEO 2
-15V
(X09-)(A/4)
CN2
2/4
AVR
IC11
+12V
+15V/+12V
IC4(2/2)
IC4 (1/2)
ELECTRIC VOL.
IC5
CENTER OUT
SURROUND (REA)
OUTPUT REAR
GND
OUTPUT C
WHI
SURROUND/REAR
CENTER MODE SW
Q15
Q16
WIDE : 11.7V
OTHER : 0V
NORMAL : 11.7V
OTHER : 0V
IC 8
PRO LOGIC
CENTER-MODE
Q7
(VIDIAL)
VIDEO 2 IN
OUT
VIDEO 1
IN
MONITOR OUT
SIGNAL LINE
GND LINE
+B LINE
-B LINE


AX
AY
AZ
BA
BB
BC
BD
BE
BF
BG
BH
ELECTRIC VOL.
IC5
SURROUND (REA)
CENTER OUT
OUTPUT REAR
GND
OUTPUT C
WH1
SURROUND/REAR
CENTER MODE SW
Q15
Q16
WIDE : 11.7V
OTHER : 0V
NORMAL : 11.7V
OTHER : 0V
(NORMAL)
IC 6
DIGITAL DELAY
IC12
AVR
+12V
64K D-RAM
IC7
DOLBY LEVEL
VR3 2M
IC9
+5V
C/R MUTE
C/R MUTE DRIVE
IC10
EXPANDER
CN2
CLK I
DATA I
ST I
ST 2
DATA MUTE
(X14-)(C/9)
WH10
(X14-)(D/9)
CN3
(X14-)(A/9)
WH4
(X14-)(B/9)
12 pin
WH3
+15V
-15V
MUTE IN
MUTE OUT
Q14
Q13
D16
WH7
(X08-)(B/2)
(VIDIAL)
J1
VIDEO 2 IN
OUT
VIDEO I
IN
MONITOR OUT
WH 2
GND
VIDEO I
+15V
VIDEO2
-15V
WH3
+15V
-15V
MUTE OUT
MUTE IN
SIGNAL LINE
GND LINE
+B LINE
-B LINE
IC4 : NJM4565D or RC4565D
IC5 : TC9213P
IC6 : LV1000N
IC7 : LM3364-15
IC8 : NJM2175F
IC9 : μPC78L05J
IC10 : TC9164N
IC11 : μPC7812HF or AN7812F
IC12 : μPC78L12J
Q3,4 : 2SC1740S(Q,R) or 2SC2458(Y,GR)
Q7 : 2SA933S(Q,R) or 2SA1048(Y,GR)
Q8 : 2SC3940A
Q9,10 : 2SA999(E,F)
Q11 : 2SA992(F,E)
Q12 : 2SC1845(F,E)
Q13 : 2SC2320(E,F)
Q14 : DTA124ES or RN2203
Q15,16 : 2SC2878(B)
D7~13,15,16,18 : 1SS133 or HSS104
D5 : HZS5.6N(B2) or RD5.6ES(B2)
D6 : HZS11N(B2) or RD11ES(B2)
D14 : HZS8.2N(B2) or RD8.2ES(B2)
KR-V7030(K)(3/4)



KR-V7030(K)(3/4)

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

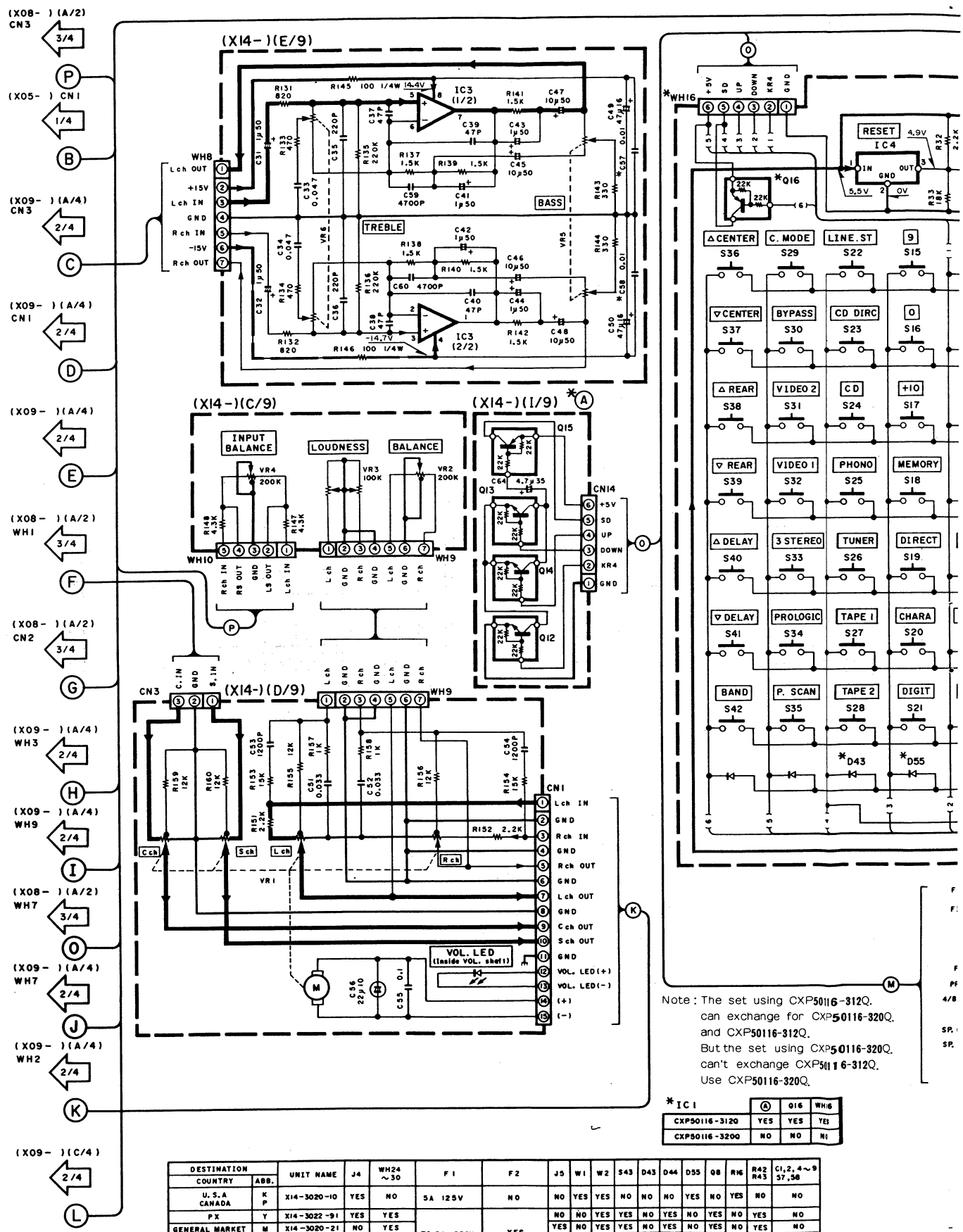
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

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

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

KR-V7030

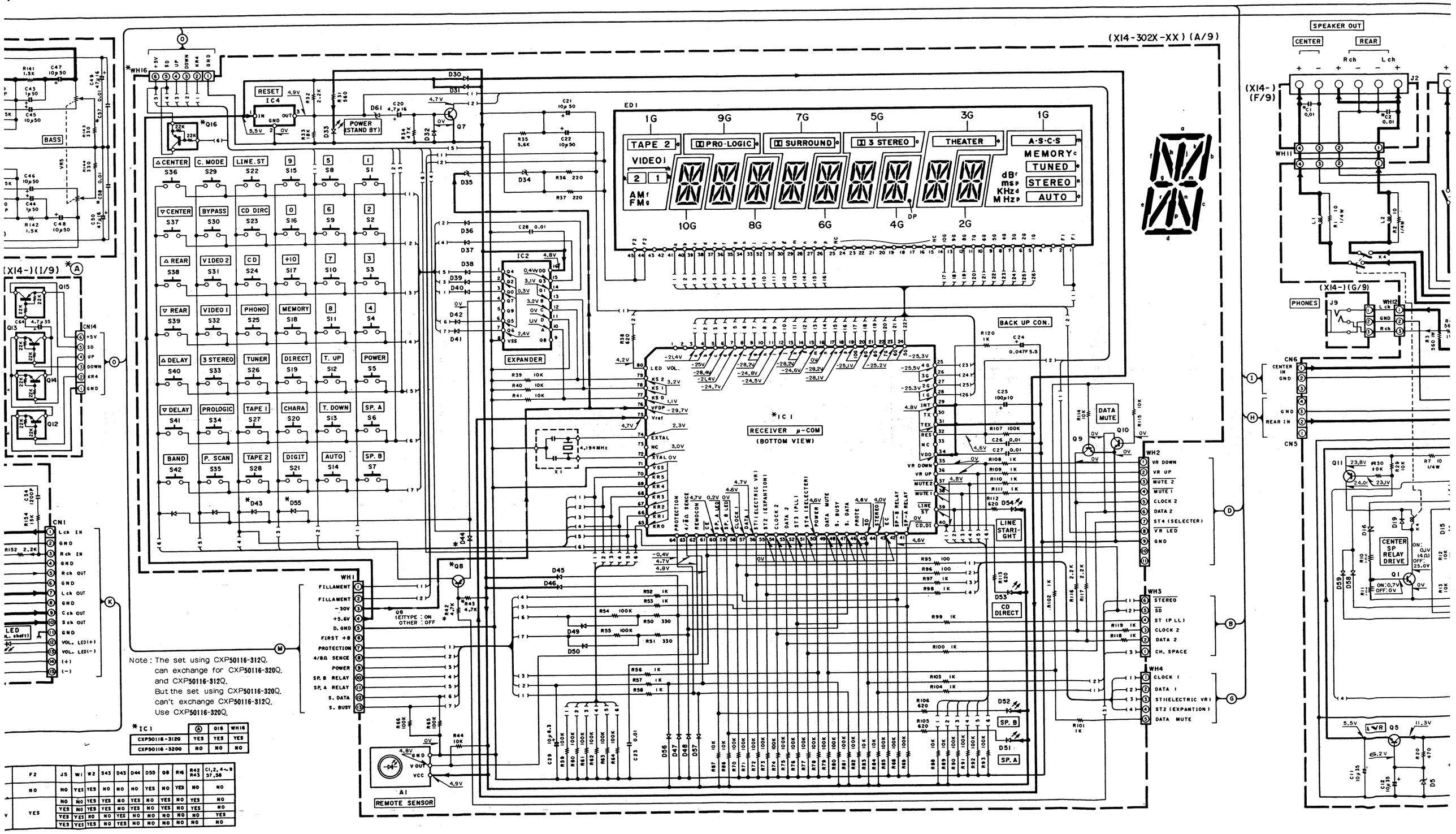
KENWOOD



Note: The set using CXP50116-312Q. can exchange for CXP50116-320Q. and CXP50116-312Q. But the set using CXP50116-320Q. can't exchange CXP50116-312Q. Use CXP50116-320Q.

*IC1	Ⓐ	Q16	WH16
CXP50116-312Q	YES	YES	YES
CXP50116-320Q	NO	NO	NO

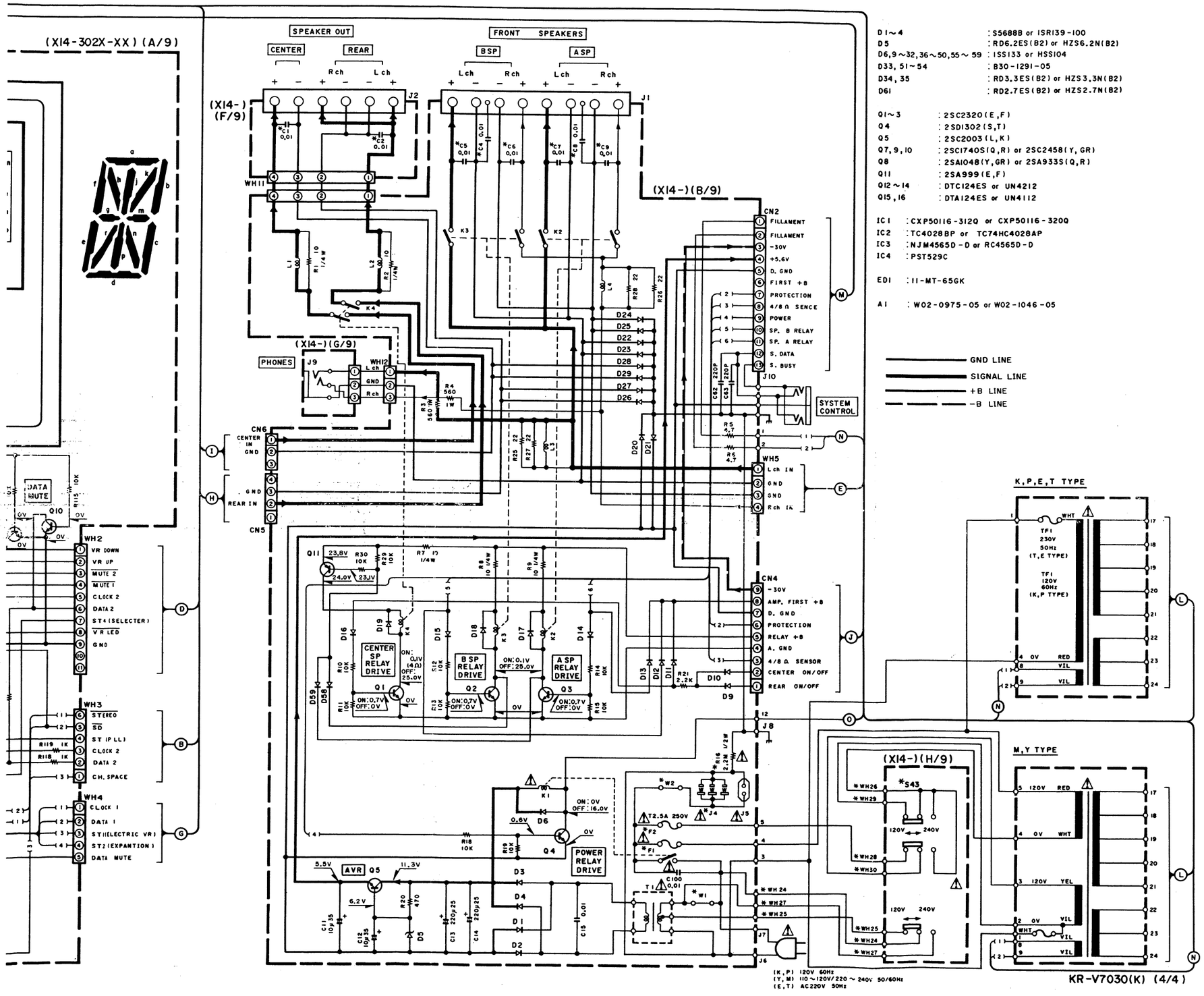
DESTINATION COUNTRY	ABB.	UNIT NAME	J4	WH24 ~30	F1	F2	J5	W1	W2	S43	D43	D44	D55	Q8	R16	R42 R43	C1,2,4~9 37,58
U.S.A CANADA	K P	X14-3020-10	YES	NO	5A 125V	NO	NO	YES	YES	NO	NO	NO	YES	NO	YES	NO	NO
PX	Y	X14-3022-91	YES	YES	T2.5A 250V	YES	NO	NO	YES	YES	NO	YES	NO	YES	NO	YES	NO
GENERAL MARKET	M	X14-3020-21	NO	YES			YES	NO	YES	YES	NO	YES	NO	YES	NO	YES	NO
EUROPE	E	X14-3022-71	NO	NO			YES	YES	NO	NO	YES	NO	NO	NO	NO	NO	YES
ENGLAND	T	X14-3020-51	NO	NO			YES	YES	YES	NO	YES	NO	NO	NO	NO	NO	NO



Note : The set using CXP50116-312Q. can exchange for CXP50116-320Q. and CXP50116-312Q. But the set using CXP50116-320Q. can't exchange CXP50116-312Q. Use CXP50116-320Q.

*IC1	Ⓐ	Q16	WH16
CXP50116-3120	YES	YES	YES
CXP50116-3200	NO	NO	NO

	F2	J5	W1	W2	S43	D43	D44	D55	Q8	R16	R42 R43	C1,2,4~9 57,58
	NO	NO	YES	YES	NO	NO	NO	YES	NO	YES	NO	NO
		NO	NO	YES	YES	NO	YES	NO	YES	NO	YES	NO
V	YES	YES	NO	YES	YES	NO	YES	NO	YES	NO	YES	NO
		YES	YES	NO	YES	YES	NO	NO	NO	NO	NO	YES
		YES	YES	YES	NO	YES	NO	NO	NO	NO	NO	NO



D1~4	: S5688B or ISR139-100
D5	: RD6.2ES(B2) or HZS6.2N(B2)
D6,9~32,36~50,55~59	: 1SS133 or HSS104
D33, 51~54	: B30-1291-05
D34, 35	: RD3.3ES(B2) or HZS3.3N(B2)
D61	: RD2.7ES(B2) or HZS2.7N(B2)

Q1~3	: 2SC2320(E,F)
Q4	: 2SD1302(S,T)
Q5	: 2SC2003(L,K)
Q7,9,10	: 2SC1740S(Q,R) or 2SC2458(Y,GR)
Q8	: 2SA1048(Y,GR) or 2SA933S(Q,R)
Q11	: 2SA999(E,F)
Q12~14	: DTC124ES or UN4212
Q15,16	: DTA124ES or UN4112

IC1	: CXP50116-312Q or CXP50116-320Q
IC2	: TC4028BP or TC74HC4028AP
IC3	: NJM4565D-D or RC4565D-D
IC4	: PST529C
ED1	: 11-MT-65GK
A1	: W02-0975-05 or W02-1046-05

GND LINE
SIGNAL LINE
+B LINE
-B LINE

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

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. 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 Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

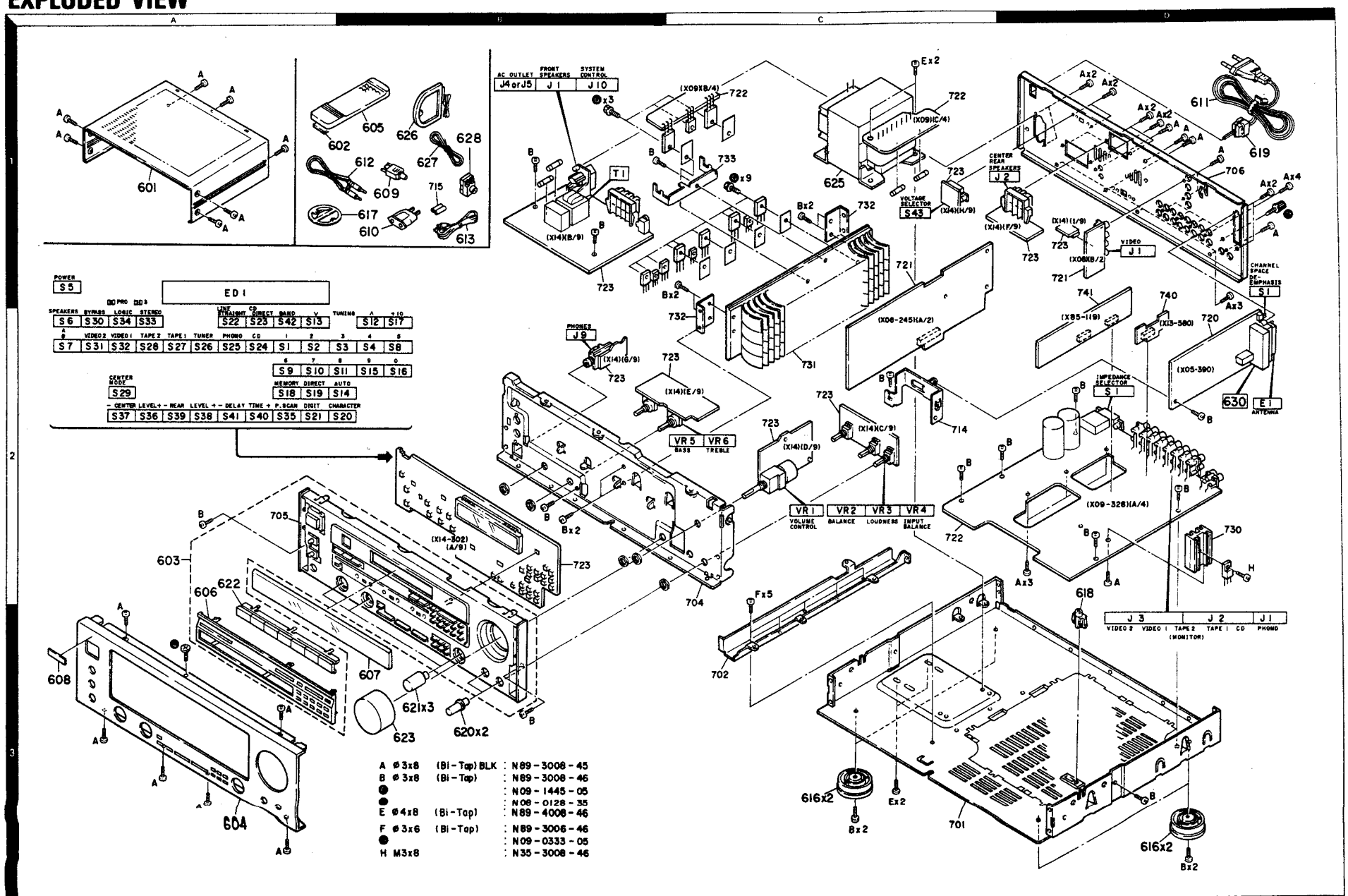
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

KR-V7030

KENWOOD

Y05-2530-10

EXPLODED VIEW



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

KR-V7030

PARTS LIST

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

No. 1

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
KR-V7030						
601	1A		A01-1829-01	METALLIC CABINET		
602	1B		A09-0088-08	BATTERY COVER		
603	2A	*	A22-1490-02	SUB PANEL ASSY		
604	3A	*	A60-0026-02	PANEL		
605	1B	*	A70-0505-05	REMOTE CONTROLLER ASSY		
606	2A	*	B07-1982-02	ESCUTCHEON		
607	3B	*	B10-1843-03	FRONT GLASS		
608	3A		B43-0287-04	KENWOOD BADGE		
-			B46-0092-03	WARRANTY CARD	K	
-			B46-0094-03	WARRANTY CARD	Y	
-			B46-0095-03	WARRANTY CARD	Y	
-			B46-0096-23	WARRANTY CARD	T	
-			B46-0121-03	WARRANTY CARD	P	
-			B46-0122-13	WARRANTY CARD	E	
-			B46-0143-13	WARRANTY CARD	T	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-		*	B60-0350-00	INSTRUCTION MANUAL(ENGLISH)		
-		*	B60-0351-00	INSTRUCTION MANUAL(FRENCH)	PE	
-		*	B60-0352-00	INSTRUCTION MANUAL(G,D,I)	E	
-		*	B60-0353-00	INSTRUCTION MANUAL(S,C)	M	
⚠ 609	1B		E03-0049-05	AC PLUG	T	
⚠ 610	1B		E03-0115-05	AC PLUG ADAPTER	M	
⚠ 611	1D		E30-0459-05	AC POWER CORD	ME	
⚠ 611	1D		E30-0812-05	AC POWER CORD	Y	
⚠ 611	1D		E30-1416-05	AC POWER CORD	T	
⚠ 611	1D		E30-2209-05	AC POWER CORD	KP	
612	1B		E30-0977-05	CORD WITH PLUG	TE	
613	1B		E30-1392-05	CORD WITH PLUG	TE	
-		*	H10-5095-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-5096-02	POLYSTYRENE FOAMED FIXTURE		
-			H25-0225-04	PROTECTION BAG (850X450X0.03)		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H50-0022-04	ITEM CARTON CASE	KPYM	
-		*	H50-0023-04	ITEM CARTON CASE	TE	
616	3C,3D		J02-1034-05	FOOT		
617	1B		J19-2815-04	ANTENNA HOLDER		
618	2D		J19-3179-05	UNIT HOLDER		
⚠ 619	1D		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
620	3B		K29-3632-04	KNOB(LOUDNESS,INPUT BALANCE)		
621	3B		K29-3894-04	KNOB(BASS,TREBLE,BALANCE)		
622	2A	*	K29-4109-02	KNOB(INPUT SELECTOR)		
623	3B	*	K29-4110-04	KNOB(VOLUME CONTROL)		
⚠ 625	1C		L07-0039-05	POWER TRANSFORMER	K	
⚠ 625	1C		L07-0040-05	POWER TRANSFORMER	YM	
⚠ 625	1C		L07-0074-05	POWER TRANSFORMER	T	
⚠ 625	1C		L07-0127-05	POWER TRANSFORMER	P	
⚠ 625	1C	*	L07-0270-05	POWER TRANSFORMER	E	
A			N89-3008-45	BINDING HEAD TAPTITE SCREW		
B			N89-3008-46	BINDING HEAD TAPTITE SCREW		
C			N09-1445-05	SET SCREW (M3X8)		
D			N08-0128-35	BINDING POST		

E: Scandinavia & Europe K: USA P: Canada
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

⚠ indicates safety critical components.

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

No. 2

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
E			N89-4008-46	BINDING HEAD TAPTITE SCREW		
F			N89-3006-46	BINDING HEAD TAPTITE SCREW		
626	1B		T90-0174-05	LOOP ANTENNA		
627	1B		T90-0175-05	T TYPE ANTENNA		
628	1B		T90-0177-05	ANTENNA ADAPTOR	TE	
TUNER UNIT (X05-3900-10)						
C1			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C2			CE04LW1C470M	ELECTRO 47UF 16WV		
C3			CF92FV1H273J	MF 0.027UF J		
C4			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C5			CE04LW1C470M	ELECTRO 47UF 16WV		
C6 ,7			CK45FF1H103Z	CERAMIC 0.010UF Z		
C9			CK45FF1H223Z	CERAMIC 0.022UF Z		
C16			CK45FF1H223Z	CERAMIC 0.022UF Z		
C17			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C18			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C19			CK45FF1H223Z	CERAMIC 0.022UF Z		
C20			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C21			CK45FF1H103Z	CERAMIC 0.010UF Z		
C22			CK45FF1H223Z	CERAMIC 0.022UF Z		
C23			CE04LW1V100M	ELECTRO 10UF 35WV		
C24			CK45FF1H223Z	CERAMIC 0.022UF Z		
C25			CF92FV1H153J	MF 0.015UF J		
C26			CE04LW1V100M	ELECTRO 10UF 35WV		
C27			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C28			C91-0769-05	CERAMIC 0.01UF K		
C29 ,30			CK45FF1H103Z	CERAMIC 0.010UF Z		
C31			CC45FSL1H101J	CERAMIC 100PF J		
C32			C91-0769-05	CERAMIC 0.01UF K		
C33			CE04LW1C470M	ELECTRO 47UF 16WV		
C34			CK45FB1H471K	CERAMIC 470PF K	TE	
C35			CC45FSL1H121J	CERAMIC 120PF J	TE	
C36			CC45FSL1H271J	CERAMIC 270PF J	TE	
C37			CF92FV1H152J	MF 1500PF J	TE	
C38			CF92FV1H132J	MF 1300PF J	TE	
C39			CC93FCH1H471J	CERAMIC 470PF J		
C40			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C41			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C42			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C43			CF92FV1H473J	MF 0.047UF J		
C44			CK45FB1H471K	CERAMIC 470PF K		
C45			C91-0769-05	CERAMIC 0.01UF K		
C46 ,47			CC45FSL1H151J	CERAMIC 150PF J	KPYM	
C46 ,47			CK45FB1H102K	CERAMIC 1000PF K	TE	
C48			CE04LW1C101M	ELECTRO 100UF 16WV		
C49			CC45FSL1H221J	CERAMIC 220PF J	TE	
C50 ,51			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPYM	
C50 ,51			CE04LW1H2R2M	ELECTRO 2.2UF 50WV	TE	
C52 ,53			CF92FV1H752J	MF 7500PF J	YM	
C54 ,55			CF92FV1H153J	MF 0.015UF J	YM	
C54 ,55			CF92FV1H223J	MF 0.022UF J	KP	
C54 ,55			CF92FV1H472J	MF 4700PF J	TE	
C56			CK45FF1H103Z	CERAMIC 0.010UF Z		
C57			CE04LW1C470M	ELECTRO 47UF 16WV		

E: Scandinavia & Europe K: USA P: Canada
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

⚠ indicates safety critical components.

PARTS LIST

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

No. 3

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C58 ,59			CC45FCH1H220J	CERAMIC 22PF J		
C60 -62			CC45FSL1H101J	CERAMIC 100PF J		
C63			CK45FF1H103Z	CERAMIC 0.010UF Z		
C64 ,65			CE04LW1C220M	ELECTRO 22UF 16WV	TE	
C66			CK45F1H103Z	CERAMIC 0.010UF Z	YM	
E1	2D		E20-0321-05	LOCK TERMINAL BOARD(ANTENNA)	TE	
E1	2D		E20-0476-05	LOCK TERMINAL BOARD(ANTENNA)	KPYM	
CF1 ,2			L72-0531-05	CERAMIC FILTER	KPYM	
CF1 ,2			L72-0536-05	CERAMIC FILTER	TE	
CF3			L72-0096-05	CERAMIC FILTER		
L1			L40-1091-17	SMALL FIXED INDUCTOR(1uH)		
L2			L39-0189-05	COMBINATION COIL		
L4			L30-0488-05	AM IFT		
L6			L30-0439-25	FM IFT		
L7			L40-5625-29	SMALL FIXED INDUCTOR(5.6mH,J)	TE	
L8			L40-6825-29	SMALL FIXED INDUCTOR(6.8mH,J)	TE	
L9 ,10			L79-0790-05	LC FILTER	TE	
X1			L77-1122-05	CRYSTAL RESONATOR (7.2MHz)		
R6			RD14NB2E101J	RD 100 J 1/4W		
R10			RD14NB2E101J	RD 100 J 1/4W		
R36			RD14NB2E101J	RD 100 J 1/4W		
R51			RD14NB2E470J	RD 47 J 1/4W		
R69			RD14NB2E221J	RD 220 J 1/4W		
VR1			R12-3130-05	TRIMMING POT(33K)(FM TUNE)		
VR2			R12-1089-05	TRIMMING POT(4.7K)(VCO)		
VR3			R12-5060-05	TRIMMING POT(220K)(SEPARATION)	TE	
VR4			R12-3126-05	TRIMMING POT(10K)(AM TUNE)		
S1	1D		S31-2132-05	SLIDE SWITCH(DE-EM.,CH SPACE)	YM	
D1 ,2			HSS104	DIODE		
D1 ,2			1SS133	DIODE		
D10			HZS5.1N(B2)	ZENER DIODE		
D10			RD5.1ES(B2)	ZENER DIODE		
D11 ,12			HSS104	DIODE		
D11 ,12			1SS133	DIODE		
D13			HSS104	DIODE	TE	
D13			1SS133	DIODE	TE	
IC1			LA1265	IC(FM/AM TUNER)		
IC2			AN7470	IC(FM MPX)		
IC3			LM7001	IC(PLL FREQUENCY SYNTHESIZER)		
Q1			2SC1923(R,O)	TRANSISTOR		
Q3			2SC1740S(Q,R)	TRANSISTOR		
Q3			2SC945(A)(Q,P)	TRANSISTOR		
Q4			2SC1845(F,E)	TRANSISTOR		
Q7			2SC1740S(Q,R)	TRANSISTOR	TE	
Q7			2SC945(A)(Q,P)	TRANSISTOR	TE	
Q8 ,9			2SA733(A)(Q,P)	TRANSISTOR		
Q8 ,9			2SA933S(Q,R)	TRANSISTOR		
Q11 ,12			2SC1740S(Q,R)	TRANSISTOR	YM	
Q11 ,12			2SC945(A)(Q,P)	TRANSISTOR	YM	
630	2D		W02-1041-05	FM FRONT-END ASSY	TE	
630	2D		W02-1042-05	FM FRONT-END ASSY	KPYM	

E: Scandinavia & Europe K: USA P: Canada
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

⚠ indicates safety critical components

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

No. 4

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
PRE AMPLIFIER (X08-2450-10)						
C11			CE04LW1V100M	ELECTRO 10UF 35WV		
C12 ,13			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C14 ,15			CK45FB1H102K	CERAMIC 1000PF K		
C16 ,17			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C21 -23			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C24			CE04LW1C221M	ELECTRO 220UF 16WV		
C30 ,31			CF92FV1H104J	MF 0.10UF J		
C32			CF92FV1H224J	MF 0.22UF J		
C33 ,34			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C35 -37			CF92FV1H224J	MF 0.22UF J		
C39			CE04LW1A471M	ELECTRO 470UF 10WV		
C40			CF92FV1H473J	MF 0.047UF J		
C41			C91-0670-05	CERAMIC 5600PF K		
C42 ,43			CE04LW1V100M	ELECTRO 10UF 35WV		
C44			CE04LW1C101M	ELECTRO 100UF 16WV		
C45 ,46			CE04LW1V100M	ELECTRO 10UF 35WV		
C47			CE04LW1V220M	ELECTRO 22UF 35WV		
C48			CK45FB1H332K	CERAMIC 3300PF K		
C49			CK45FB1H681K	CERAMIC 680PF K		
C50			CF92FV1H473J	MF 0.047UF J		
C51 ,52			CF92FV1H104J	MF 0.10UF J		
C53 ,54			CF92FV1H105J	MF 1.0UF J		
C55			CF92FV1H104J	MF 0.10UF J		
C56			CF92FV1H473J	MF 0.047UF J		
C57			CK45FB1H681K	CERAMIC 680PF K		
C58			CF92FV1H104J	MF 0.10UF J		
C59 ,60			CK45FB1H222K	CERAMIC 2200PF K		
C61 ,62			CF92FV1H104J	MF 0.10UF J		
C63			C90-1456-05	NP-ELEC 0.22UF 50WV		
C64 ,65			CQ92FM1H103J	MYLAR 0.010UF J		
C66 ,67			CK45FF1H473Z	CERAMIC 0.047UF Z		
C70			CE04LW1C221M	ELECTRO 220UF 16WV		
C71			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C76			CK45FB1H102K	CERAMIC 1000PF K		
C79			C90-1332-05	NP-ELEC 10UF 25WV		
C80			CQ92FM1H682J	MYLAR 6800PF J		
C81			CQ92FM1H562J	MYLAR 5600PF J		
C82			CK45FB1H681K	CERAMIC 680PF K		
C83			CK45FB1H561K	CERAMIC 560PF K		
C84			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C85			C90-1332-05	NP-ELEC 10UF 25WV		
C86			CF92FV1H333J	MF 0.033UF J		
C87		*	C91-0666-05	CERAMIC 3900PF K		
C88			CF92FV1H683J	MF 0.068UF J		
C89			CE04LW1C220M	ELECTRO 22UF 16WV		
C91 ,92			CC45FSL1H270J	CERAMIC 27PF J		
C94 -96			CE04LW1A221M	ELECTRO 220UF 10WV		
C97		*	CQ92FM1H151K	MYLAR 150PF K		
C98			CQ92FM1H223J	MYLAR 0.022UF J		
C99			CQ92FM1H102J	MYLAR 1000PF J		
C100			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C101			CE04LW1A471M	ELECTRO 470UF 10WV		
C102			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		

E: Scandinavia & Europe K: USA P: Canada
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

⚠ indicates safety critical components

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

No. 5

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C103			CQ92FM1H102J	MYLAR 1000PF J		
C104			CQ92FM1H223J	MYLAR 0.022UF J		
C105		*	CQ92FM1H151K	MYLAR 150PF K		
C106			CF92FV1H154J	MF 0.15UF J		
C107			CE04LW1H0R1M	ELECTRO 0.1UF 50WV		
C108			C90-1332-05	NP-ELEC 10UF 25WV		
C109			CQ92FM1H472J	MYLAR 4700PF J		
C110			CE04LW1A221M	ELECTRO 220UF 10WV		
C111			CE04LW0J471M	ELECTRO 470UF 6.3WV		
C112			CE04LW1A101M	ELECTRO 100UF 10WV		
C113			CE04LW1C101M	ELECTRO 100UF 16WV		
C114			CE04LW1A101M	ELECTRO 100UF 10WV		
C115			CE04LW0J471M	ELECTRO 470UF 6.3WV		
C120			CE04LW1V100M	ELECTRO 10UF 35WV		
C121			CE04LW1V220M	ELECTRO 22UF 35WV		
C122			CE04LW1A101M	ELECTRO 100UF 10WV		
C124			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C125			CE04LW1C221M	ELECTRO 220UF 16WV		
C128			CK45FF1H473Z	CERAMIC 0.047UF Z		
J1	1D		E13-0487-05	PHONO JACK(VIDEO)		
J2			J11-0098-05	WIRE CLAMPER		
L1			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
L2			L40-2291-17	SMALL FIXED INDUCTOR(2.2UH)		
X1			L77-1184-05	CRYSTAL RESONATOR (8MHz)		
CP1			R90-0482-05	MULTI-COMP 100KX4 J 1/6W		
R50			RD14NB2E271J	RD 270 J 1/4W		
R116			RD14NB2E220J	RD 22 J 1/4W		
R141			RD14NB2E470J	RD 47 J 1/4W		
R156			RN14BK2C5620F	RN 562.0 F 1/6W		
R157			RN14BK2C1471F	RN 1.47K F 1/6W		
VR3		*	R12-8017-05	TRIM POT. 2.2K(DOLBY LEVEL)		
D5			HZS5.6N(B2)	ZENER DIODE		
D5			RD5.6ES(B2)	ZENER DIODE		
D6			HZS11N(B2)	ZENER DIODE		
D6			RD11ES(B2)	ZENER DIODE		
D7 -13			HSS104	DIODE		
D7 -13			1SS133	DIODE		
D15 ,16			HSS104	DIODE		
D15 ,16			1SS133	DIODE		
D18			HSS104	DIODE		
D18			1SS133	DIODE		
IC4			NJM4565D	IC(OP AMP X2)		
IC4			RC4565D	IC(OP AMP X2)		
IC5			TC9213P	IC(2CH ELECTRONIC VOLUME)		
IC6		*	LV1000N	IC(DOLBY DELAY)		
IC7		*	LM3364-15	IC(64K D-RAM)		
IC8		*	NJM2175F	IC(PRO LOGIC)		
IC9			UPC78L05J	IC(VOLTAGE REGULATOR/ +5V)		
IC10			TC9164N	IC(16CH BILATERAL SELECTOR SW)		
IC11			AN7812F	IC(VOLTAGE REGULATOR/ +12V)		
IC11			UPC7812HF	IC(VOLTAGE REGULATOR/ +12V)		
IC12			UPC78L12J	IC(VOLTAGE REGULATOR/ +12V)		

E: Scandinavia & Europe K: USA P: Canada
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

⚠ indicates safety critical components.

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

No. 6

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
Q3 ,4			2SC1740S(Q,R)	TRANSISTOR		
Q3 ,4			2SC2458(Y,GR)	TRANSISTOR		
Q7			2SA1048(Y,GR)	TRANSISTOR		
Q7			2SA933S(Q,R)	TRANSISTOR		
Q8			2SC3940A	TRANSISTOR		
Q9 ,10			2SA999(E,F)	TRANSISTOR		
Q11			2SA992(F,E)	TRANSISTOR		
Q12			2SC1845(F,E)	TRANSISTOR		
Q13			2SC2320(E,F)	TRANSISTOR		
Q14			DTA124ES	DIGITAL TRANSISTOR		
Q14		*	RN2203	TRANSISTOR		
Q15 ,16			2SC2878(B)	TRANSISTOR		
AUDIO UNIT (X09-3280-11)						
C1 ,2			CC45FSL1H390J	CERAMIC 39PF J	YMTE	
C3 ,4			CE04LW1V100M	ELECTRO 10UF 35WV		
C5 ,6			CC45FSL1H221J	CERAMIC 220PF J		
C7 ,8			CE04LW1A101M	ELECTRO 100UF 10WV		
C9 ,10			CK45FB1H102K	CERAMIC 1000PF K		
C11 ,12			CF92FV1H123J	MF 0.012UF J		
C13 ,14			CK45FB1H332K	CERAMIC 3300PF K		
C15 ,16			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C17 ,18			CK45FF1H103Z	CERAMIC 0.010UF Z		
C19			CK45FB1H681K	CERAMIC 680PF K		
C20			CE04LW1C470M	ELECTRO 47UF 16WV		
C21			CC45FSL1H221J	CERAMIC 220PF J	YMTE	
C22 -24			C91-0749-05	CERAMIC 220PF K	YMTE	
C25 ,26			CC45FSL1H221J	CERAMIC 220PF J	YMTE	
C27 ,28			CC45FSL1H221J	CERAMIC 220PF J		
C29 ,30			C91-0749-05	CERAMIC 220PF K	YMTE	
C31 ,32			C91-0749-05	CERAMIC 220PF K		
C33 -36			C91-0749-05	CERAMIC 220PF K	YMTE	
C37 ,38			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C39 ,40			CC45FSL1H221J	CERAMIC 220PF J		
C41 ,42			CC45FSL1H101J	CERAMIC 100PF J		
C43 ,44			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C45 ,46			CE04LW1E470M	ELECTRO 47UF 25WV		
C47 ,48			CE04LW1C101M	ELECTRO 100UF 16WV		
C49 ,50			CK45FF1H103Z	CERAMIC 0.010UF Z		
C51			C90-1349-05	NP-ELEC 1UF 50WV		
C52			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C53			CE04LW1V100M	ELECTRO 10UF 35WV		
C54			CE04LW2A100M	ELECTRO 10UF 100WV		
C59 -62			CK45FF1H103Z	CERAMIC 0.010UF Z		
C63 ,64			CF92FV1H104J	MF 0.10UF J	KP	
C63 ,64			CF92FV1H224J	MF 0.22UF J	YMTE	
C65 ,66			CF92FV1H224J	MF 0.22UF J	YMTE	
C67			CE04LW2A2R2M	ELECTRO 2.2UF 100WV		
C69 ,70			CK45FF1H103Z	CERAMIC 0.010UF Z		
C71			CF92FV1H104J	MF 0.10UF J		
C72			CE04LW1V471M	ELECTRO 470UF 35WV		
C73			CE04LW1H470M	ELECTRO 47UF 50WV		
C74			CE04LW1V100M	ELECTRO 10UF 35WV		
C75 ,76			CE04LW1V332M	ELECTRO 3300UF 35WV		
C77 ,78		*	C90-1870-05	ELECTRO 7500UF 71WV		

E: Scandinavia & Europe K: USA P: Canada
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

⚠ indicates safety critical components.

KR-V7030

PARTS LIST

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

No. 7

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C79 -82			CK45FF1H103Z	CERAMIC 0.010UF Z		
C84			CK45FB1H102K	CERAMIC 1000PF K		
C85			CE04LW1V220M	ELECTRO 22UF 35WV		
C86 ,87			CK45FF1H103Z	CERAMIC 0.010UF Z		
C88			CF92FV1H104J	MF 0.10UF J		
C93			CE04LW1C101M	ELECTRO 100UF 16WV		
C95 ,96			C90-1350-05	NP-ELEC 2.2UF 50WV		
C100-104			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C119			CE04LW1C470M	ELECTRO 47UF 16WV		
C120,121			CE04LW2A2R2M	ELECTRO 2.2UF 100WV		
C122			CK45FB1H102K	CERAMIC 1000PF K		
C123			CE04LW1C220M	ELECTRO 22UF 16WV		
C124			CE04LW1V100M	ELECTRO 10UF 35WV		
C125			CE04LW1C101M	ELECTRO 100UF 16WV		
J1	3D		E13-0255-05	PHONO JACK(PHONO)		
J2 ,3	3D		E13-0820-05	PHONO JACK(CD,TAPE1.2,VIDEO1.2	)	
⚠ F1 ,2			F05-6321-05	FUSE (SEMKO) (250V T6.3A)	YMTE	
⚠ F1 ,2			F05-8029-05	FUSE (UL) (250V 8A)	KP	
⚠ F3 ,4			F04-5022-05	FUSE (UL) (125V 5A UL)	KP	
⚠ F3 ,4			F05-3121-05	FUSE (SEMKO) (250V T3.15A)	YMTE	
CN11-14			J13-0041-05	FUSE CLIP	KP	
CN11-18			J13-0075-05	FUSE CLIP	YMTE	
CN15-18			J13-0075-05	FUSE CLIP	KP	
A			N89-3008-45	BINDING HEAD TAPTITE SCREW		
B			N89-3008-46	BINDING HEAD TAPTITE SCREW		
G			N09-0333-05	TAPPING SCREW (3X12)		
H			N35-3008-46	BINDING HEAD MACHIN SCREW		
CP1 -4			R90-0840-05	COMPOSITE ELEMENTS		
R85 -88			RD14NB2E220J	RD 22 J 1/4W		
R97 ,98		*	RD14NB2E332J	RD 3.3K J 1/4W		
R101,102			RS14KB3D100J	FL-PROOF RS 10 J 2W		
R108,109			RD14NB2E470J	RD 47 J 1/4W		
R110			RD14NB2E392J	RD 3.9K J 1/4W		
R112			RS14KB3A100J	FL-PROOF RS 10 J 1W		
R123			RD14NB2E101J	RD 100 J 1/4W		
R124			RD14NB2E4R7J	RD 4.7 J 1/4W		
R129			RD14NB2E101J	RD 100 J 1/4W		
R134,135			RS14KB3D820J	FL-PROOF RS 82 J 2W		
R136,137			RD14NB2E1R0J	RD 1.0 J 1/4W		
R138			RS14KB3A391J	FL-PROOF RS 390 J 1W		
R150			RD14NB2E100J	RD 10 J 1/4W		
R211,212			RD14NB2E220J	RD 22 J 1/4W		
R213			RD14NB2E392J	RD 3.9K J 1/4W		
R215			RS14KB3A100J	FL-PROOF RS 10 J 1W		
R220,221			RD14NB2E2R2J	RD 2.2 J 1/4W		
R222		*	RD14NB2E331J	RD 330 J 1/4W		
R223			RD14GB2E331J	FL-PROOF RD 330 J 1/4W		
VR1 ,2			R12-1616-05	TRIMMING POT(1K)(IDLE CURRENT)		
VR4			R12-1616-05	TRIMMING POT(1K)(IDLE CURRNET)		
S1	2D		S31-2136-05	SLIDE SWITCH(IMPEDANCE SELECT		
D1 -10			HSS104	DIODE		
D1 -10			1SS133	DIODE		

E: Scandinavia & Europe K: USA P: Canada
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

⚠ indicates safety critical components.

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

No. 8

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
D11 -13			HSS104A	DIODE		
D11 -13			1SS131	DIODE		
D14			HZS5.1N(B2)	ZENER DIODE		
D14			RD5.1ES(B2)	ZENER DIODE		
D15			HSS104	DIODE		
D15			1SS133	DIODE		
D16			HSS104A	DIODE		
D16			1SS131	DIODE		
D17			HZS5.1N(B2)	ZENER DIODE		
D17			RD5.1ES(B2)	ZENER DIODE		
D18			HZS16N(B2)	ZENER DIODE		
D18			RD16ES(B2)	ZENER DIODE		
D19			HZS15N(B)	ZENER DIODE		
D19			RD15ES(B)	ZENER DIODE		
D20 -25			HSS104A	DIODE		
D20 -25			1SS131	DIODE		
⚠ D26			D5FB20*1	DIODE		
⚠ D27			D3SBA20F03	DIODE		
⚠ D27			RBV-402LFA	DIODE		
D29			HZS4.7N(B)	ZENER DIODE		
D29			RD4.7ES(B)	ZENER DIODE		
D30			HZS13N(B2)	ZENER DIODE		
D30			RD13ES(B2)	ZENER DIODE		
D31 -36			HSS104A	DIODE		
D31 -36			1SS131	DIODE		
D37			HZS6.2N(B2)	ZENER DIODE		
D37			RD6.2ES(B2)	ZENER DIODE		
D38			HSS104	DIODE		
D38			1SS133	DIODE		
D39			HZS8.2N(B2)	ZENER DIODE		
D39			RD8.2ES(B2)	ZENER DIODE		
D42 ,43			HZS5.1S(B2)	ZENER DIODE		
D42 ,43			RD5.1JS(B2)	ZENER DIODE		
D50 -54			HSS104	DIODE		
D50 -54			1SS133	DIODE		
IC1			NJM4565D-D	IC(OP AMP X2)		
IC1			RC4565D-D	IC(OP AMP X2)		
IC2			TC9164N	IC(16CH BILATERAL SELECTOR SW)		
IC3			TC9162N	IC(ANALOG SWITCH ARRAY)		
IC4			NJM4565D-D	IC(OP AMP X2)		
IC4			RC4565D-D	IC(OP AMP X2)		
IC5			TA8409S	IC(MOTOR CONTROL)		
Q1 ,2			2SA1048(Y,GR)	TRANSISTOR		
Q1 ,2			2SA933S(Q,R)	TRANSISTOR		
Q3 -6			2SC2878(B)	TRANSISTOR		
Q7 ,8			2SC4137(V,W)	TRANSISTOR		
⚠ Q13 ,14			2SD2222*5	TRANSISTOR		
⚠ Q15 ,16			2SB1470*5	TRANSISTOR		
Q17 ,18			2SC2631(R,S)	TRANSISTOR		
Q19			2SA992(F,E)	TRANSISTOR		
Q20			2SC4137(V,W)	TRANSISTOR		
⚠ Q21			2SD1893*5	TRANSISTOR		
⚠ Q22			2SB1253*5	TRANSISTOR		
Q23			2SC1845(F,E)	TRANSISTOR		
Q24			2SA992(F,E)	TRANSISTOR		

E: Scandinavia & Europe K: USA P: Canada
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

⚠ indicates safety critical components.

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

No. 9

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
Q25			2SB772	TRANSISTOR		
Q27 ,28			2SA1048(Y,GR)	TRANSISTOR		
Q27 ,28			2SA933S(Q,R)	TRANSISTOR		
Q30 -32			2SC2003(L,K)	TRANSISTOR		
Q33			2SD1266	TRANSISTOR		
Q34 ,35			2SC1740S(Q,R)	TRANSISTOR		
Q34 ,35			2SC2458(Y,GR)	TRANSISTOR		
Q36 -38			2SC1845(F,B)	TRANSISTOR		
Q40			DTA124ES	DIGITAL TRANSISTOR		
Q40			UN4112	TRANSISTOR		
Q41 ,42			2SA1048(Y,GR)	TRANSISTOR		
Q41 ,42			2SA933S(Q,R)	TRANSISTOR		
Q43 ,44			2SC2878(B)	TRANSISTOR		
Q50			2SC4137(V,W)	TRANSISTOR		
⚠ Q51		*	2SC4468*5	TRANSISTOR		
⚠ Q52		*	2SA1695*5	TRANSISTOR		
Q53			2SC1845(F,B)	TRANSISTOR		
Q55			2SC3944A	TRANSISTOR		
Q56			2SA1535A	TRANSISTOR		
BUFFER UNIT (X13-5800-02)						
C1 ,2			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C3 ,4			CE04LW1V220M	ELECTRO 22UF 35WV		
IC1			UPC4570C-A	IC(OP AMPX2)		
DISPLAY UNIT (X14-3020-10)						
D33			B30-1291-05	LED		
D51 -54			B30-1291-05	LED		
C1 ,2			CK45FF1H103Z	CERAMIC 0.010UF Z	E	
C4 -9			CK45FF1H103Z	CERAMIC 0.010UF Z	E	
C11 ,12			CE04LW1V100M	ELECTRO 10UF 35WV		
C13 ,14			CE04LW1E221M	ELECTRO 220UF 25WV		
C15			CK45FF1H103Z	CERAMIC 0.010UF Z		
C20			CE04JW1C4R7M	ELECTRO 4.7UF 16WV		
C21 ,22			CE04LW1H100M	ELECTRO 10UF 50WV		
C23			C91-0769-05	CERAMIC 0.01UF K		
C24			C90-1827-05	BACKUP 0.047F 5.5WV		
C25			CE04LW1A101M	ELECTRO 100UF 10WV		
C26 -28			C91-0676-05	CERAMIC 0.01UF K		
C29			CE04JW0J100M	ELECTRO 10UF 6.3WV		
C31 ,32			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C33 ,34			C91-0692-05	CERAMIC 0.047UF K		
C35 ,36			CC45FSL1H221J	CERAMIC 220PF J		
C37 -40			CC45FSL1H470J	CERAMIC 47PF J		
C41 -44			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C45 -48			CE04LW1H100M	ELECTRO 10UF 50WV		
C49 ,50			CE04LW1C470M	ELECTRO 47UF 16WV		
C51 ,52			C91-0688-05	CERAMIC 0.033UF K		
C53 ,54			C91-0654-05	CERAMIC 1200PF K		
C55			C91-0700-05	CERAMIC 0.1UF J		
C56			C90-1333-05	NP-ELEC 22UF 10WV		
C57 ,58			C91-0676-05	CERAMIC 0.01UF K	E	
C59 ,60			CF92FV1H472J	MF 4700PF J		
C62 ,63			CC45FSL1H221J	CERAMIC 220PF J		
C64			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		

E: Scandinavia & Europe K: USA P: Canada
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

⚠ indicates safety critical components.

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

No. 10

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
⚠ C100			C91-0971-05	FILM 0.01UF 250WV	KPYM	
⚠ C100			C91-1421-05	FILM 0.01UF 250AC	TE	
CN5			E10-0408-05	FLAT CABLE CONNECTOR		
J1	1B		E20-0823-05	LOCK TERMINAL BOARD(F.SPEAKER)	KPYM	
J1	1B		E20-0828-05	LOCK TERMINAL BOARD(F.SPEAKER)	TE	
J2	1D	*	E70-0001-05	LOCK TERMINAL BOARD(C,R SP.)		
⚠ J4	1B		E03-0111-05	AC OUTLET	KPY	
⚠ J5	1B		E03-0108-05	AC OUTLET	ME	
⚠ J5	1B		E03-0109-05	AC OUTLET	T	
J9	2B		E11-0189-05	PHONE JACK(PHONES)		
J10	1B		E11-0188-05	MINIATURE PHONE JACK(S.CONTROL		
⚠ F1			F04-5022-05	FUSE (UL) (125V 5A UL)	KP	
⚠ F1			F05-2525-05	FUSE (SEMKO) (250V T2.5A)	YMTE	
⚠ F2			F05-2525-05	FUSE (SEMKO) (250V T2.5A)	YMTE	
CN8 ,9			J13-0075-05	FUSE CLIP		
CN10,11			J13-0075-05	FUSE CLIP	YMTE	
L1 -4			L39-0085-05	PHASE-COMPENSATION COIL		
⚠ T1	1B		L01-7651-05	POWER TRANSFORMER	KP	
⚠ T1	1B		L01-7653-05	POWER TRANSFORMER	YM	
⚠ T1	1B		L01-7657-05	POWER TRANSFORMER	TE	
X1			L78-0218-05	RESONATOR		
X1			L78-0267-05	RESONATOR		
R3 ,4			RS14KB3A561J	FL-PROOF RS 560 J 1W		
R7 -9			RD14NB2E100J	RD 10 J 1/4W		
R16			R92-0173-05	RC 2.2M M 1/2W	KP	
R145,146			RD14NB2E101J	RD 100 J 1/4W		
VR1	2C	*	R29-5049-05	POTENTIOMETER(VOLUME CONTROL)		
VR2	2C	*	R05-5041-05	POTENTIOMETER(BALANCE)		
VR3	2C	*	R10-5045-05	POTENTIOMETER(LOUDNESS)		
VR4	2C	*	R05-5041-05	POTENTIOMETER(INPUT BALANCE)		
VR5 ,6	2C		R06-3059-05	POTENTIOMETER(BASS,TREBLE)		
⚠ K1			S51-1052-05	MAGNETIC RELAY	TE	
⚠ K1			S76-0002-05	MAGNETIC RELAY	KPYM	
K2 -4			S51-2078-05	MAGNETIC RELAY		
K2 -4			S51-2092-05	MAGNETIC RELAY		
S1 -42	2A		S40-1064-05	PUSH SWITCH		
⚠ S43	1C		S31-3010-05	SLIDE SWITCH(VOLTAGE SELECTOR)	YM	
D1 -4			S5688B	DIODE		
D1 -4			1SR139-100	DIODE		
D5			HZS6.2N(B2)	ZENER DIODE		
D5			RD6.2ES(B2)	ZENER DIODE		
D6			HSS104	DIODE		
D6			1SS133	DIODE		
D9 -32			HSS104	DIODE		
D9 -32			1SS133	DIODE		
D34 ,35			HZS3.3N(B2)	ZENER DIODE		
D34 ,35			RD3.3ES(B2)	ZENER DIODE		
D36 -42			HSS104	DIODE		
D36 -42			1SS133	DIODE		
D43			HSS104	DIODE	TE	
D43			1SS133	DIODE	TE	
D44			HSS104	DIODE	YM	

E: Scandinavia & Europe K: USA P: Canada
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

⚠ indicates safety critical components

KR-V7030

PARTS LIST

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

No. 11

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
D44			1SS133	DIODE	YM	
D45 -50			HSS104	DIODE		
D45 -50			1SS133	DIODE		
D55			HSS104	DIODE	KP	
D55			1SS133	DIODE	KP	
D56 -59			HSS104	DIODE		
D56 -59			1SS133	DIODE		
D61			HZS2.7N(B2)	ZENER DIODE		
D61			RD2.7ES(B2)	ZENER DIODE		
ED1		*	11-MT-65GK	FLUORESCENT INDICATOR TUBE		
IC1		*	CXP50116-312Q	IC(MICROPROCESSOR)		
IC1		*	CXP50116-320Q	IC(MICROPROCESSOR)		
IC2			TC4028BP	IC(DECODER)		
IC2		*	TC74HC4028AP	IC(DECODER)		
IC3			NJM4565D-D	IC(OP AMP X2)		
IC3			RC4565D-D	IC(OP AMP X2)		
IC4			PST529C	IC(SYSTEM RESET)		
Q1 -3			2SC2320(E,F)	TRANSISTOR		
Q4			2SD1302(S,T)	TRANSISTOR		
Q5			2SC2003(L,K)	TRANSISTOR		
Q7			2SC1740S(Q,R)	TRANSISTOR		
Q7			2SC2458(Y,GR)	TRANSISTOR		
Q8			2SA1048(Y,GR)	TRANSISTOR	YM	
Q8			2SA933S(Q,R)	TRANSISTOR	YM	
Q9 ,10			2SC1740S(Q,R)	TRANSISTOR		
Q9 ,10			2SC2458(Y,GR)	TRANSISTOR		
Q11			2SA999(E,F)	TRANSISTOR		
Q12 -14			DTC124ES	DIGITAL TRANSISTOR		
Q12 -14			UN4212	DIGITAL TRANSISTOR		
Q15 ,16			DTA124ES	DIGITAL TRANSISTOR		
Q15 ,16			UN4112	DIGITAL TRANSISTOR		
A1			W02-0975-05	ELECTRIC CIRCUIT MODULE		
A1			W02-1046-05	ELECTRIC CIRCUIT MODULE		
POWER AMPLIFIER UNIT (X85-1190-02)						
C1 ,2			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C3 -6			CC45FSL1H101J	CERAMIC 100PF J		
C7 ,8			CE04LW1A101M	ELECTRO 100UF 10WV		
C13 ,14			CC45FSL1H220J	CERAMIC 22PF J		
C15 ,16			CC45FSL1H150J	CERAMIC 15PF J		
C17 ,18			CC45FSL1H221J	CERAMIC 220PF J		
C19 ,20			CC45FSL1H070C	CERAMIC 7.0PF C		
C21			CE04LW2A220M	ELECTRO 22UF 100WV		
C22			CE04LW2A470M	ELECTRO 47UF 100WV		
C24			CE04LW1E330M	ELECTRO 33UF 25WV		
C25 ,26			CC45FSL1H101J	CERAMIC 100PF J		
C31			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C32 ,33			CC45FSL1H101J	CERAMIC 100PF J		
C34			CE04LW1A470M	ELECTRO 47UF 10WV		
C35			CC45FSL1H470J	CERAMIC 47PF J		
C36			CC45FSL1H221J	CERAMIC 220PF J		
C37			CC45FSL1H020C	CERAMIC 2.0PF C		
C38			CC45FSL1H470J	CERAMIC 47PF J		
C41			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C42			CC45FSL1H221J	CERAMIC 220PF J		

E: Scandinavia & Europe K: USA P: Canada W: Europe
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

⚠ indicates safety critical components.

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

No. 12

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C43			CC45FSL1H101J	CERAMIC 100PF J		
C44			CE04LW1A470M	ELECTRO 47UF 10WV		
C45			CC45FSL1H470J	CERAMIC 47PF J		
C46			CC45FSL1H221J	CERAMIC 220PF J		
C47			CC45FSL1H020C	CERAMIC 2.0PF C		
C48 ,49			CE04LW1V470M	ELECTRO 47UF 35WV		
C50			CC45FSL1H470J	CERAMIC 47PF J		
C51 ,52			CE04LW2A101M	ELECTRO 100UF 100WV		
R19 ,20			RD14NB2E151J	RD 150 J 1/4W		
R27 -30			RD14NB2E221J	RD 220 J 1/4W		
R31 ,32			RD14NB2E470J	RD 47 J 1/4W		
R47			RD14NB2E151J	RD 150 J 1/4W		
R51 ,52			RD14NB2E221J	RD 220 J 1/4W		
R67			RD14NB2E151J	RD 150 J 1/4W		
R70 ,71			RD14NB2E221J	RD 220 J 1/4W		
R72 ,73			RD14NB2E470J	RD 47 J 1/4W		
D1 ,2			HSS104	DIODE		
D1 ,2			1SS133	DIODE		
D5 -7			HSS104	DIODE		
D5 -7			1SS133	DIODE		
Q1 -4			2SA992(F,E)	TRANSISTOR		
Q11 -14			2SC2631(R,S)	TRANSISTOR		
Q15 ,16			2SA1123(R,S)	TRANSISTOR		
Q17 ,18			2SC1740S(Q,R)	TRANSISTOR		
Q17 ,18			2SC2458(Y,GR)	TRANSISTOR		
Q21 ,22			2SA992(F,E)	TRANSISTOR		
Q23 ,24			2SC2631(R,S)	TRANSISTOR		
Q25			2SA1123(R,S)	TRANSISTOR		
Q31 ,32			2SA992(F,E)	TRANSISTOR		
Q33 ,34			2SC1845(F,E)	TRANSISTOR		
Q35			2SA992(F,E)	TRANSISTOR		

E: Scandinavia & Europe K: USA P: Canada W: Europe
Y: PX(Far East, Hawaii) T: England M: Other Areas
Y: AAFES(Europe) X: Australia

⚠ indicates safety critical components.

KR-V7030

SPECIFICATIONS

(Except for Europe)

Audio section

Rated power output at the STEREO operation

(for the USA & Canada)

100 watts per channel minimum RMS, both channels driven at 8 Ω, from 20Hz to 20,000Hz with no more than 0.06% total harmonic distortion. (FTC)

(for other countries)
(IHF '66) from 20Hz to 20,000Hz, 0.06% T.H.D.,
at 8 Ω ..... 110W + 110W

Power output at the Surround operation
Front (1kHz, 0.9% T.H.D. at 8 Ω) ..... 65W + 65W
Center (1kHz, 0.9% T.H.D. at 8 Ω) 65W
Rear (1kHz, 0.9% T.H.D. at 8 Ω) ..... 15W + 15W

Total harmonic distortion (1kHz, 8 Ω) ..... 0.03% at 50W
Frequency response
CD ..... 10Hz – 50kHz +0dB –3dB

Signal to noise ratio (IHF-A)
PHONO (MM) ..... 78dB for 5mV input
CD, TAPE, VIDEO ..... 100dB for 200mV input
Input sensitivity/impedance
PHONO (MM) ..... 2.5 mV/47k Ω
CD, TAPE, VIDEO ..... 200mV/47k Ω
Tone controls
BASS ..... ±10dB (at 100Hz)
TREBLE ..... ±10dB (at 10kHz)

Video section

VIDEO Inputs/outputs ..... 1 Vp - p, 75 Ω unbalanced

FM Tuner section

Tuning frequency range 87.5MHz–108MHz
Antenna impedance ..... 300 Ω balanced & 75 Ω unbalanced

Sensitivity (IHF) ..... 10.8dBf (0.95 μ V at 75 Ω)
50 dB quieting sensitivity
MONO ..... 16.2 dBf (3.5 μ V at 75 Ω)
STEREO ..... 38.2 dBf (45 μ V at 75 Ω)
Total harmonic distortion at 1,000Hz
MONO 0.3%
STEREO 0.5%
Signal to noise ratio at 65 dBf (IHF)
MONO 79dB
STEREO 73dB
Stereo separation (IHF at 1kHz) 45dB

Frequency response ..... 30Hz – 15 kHz +0.5 dB –2.0 dB

AM Tuner section

Tuning frequency range
9 kHz step ..... 531kHz – 1,602kHz
10 kHz step ..... 530kHz – 1,610kHz
The U.S.A. and Canada ..... 530kHz – 1,700kHz
Usable sensitivity ..... 12 μ V/(400 μ V/m)
Total harmonic distortion 0.5%
Signal to noise ratio 50dB
Selectivity 23dB

General
Power consumption ..... 3A (The U.S.A. and Canada models)
230W (IEC) (Other models)
Dimensions ..... 440 (W) x 147 (H) x 398 (D) mm
(17-5/16") x (5-13/16") x (16-11/16")
Weight (net) ..... 10.4 kg (22.9 lb)

AC outlets
For U.S.A. and Canada . switched x 3, total 200W, 1.6A max.
For U.S. military ..... switched x 3, total 200W max.
For other countries ..... switched x 1, 200W max

Selectivity (IHF ± 400kHz) 53dB

Note:
KENWOOD follows a policy of continuous advancement. For this reason specifications may b echanged without notice.

KR-V7030

SPECIFICATIONS

(For Europe)

Audio section

Rated power output at the STEREO operation
(IEC) from 63Hz to 12,500 Hz,
0.7% T.H.D. at 8 Ω ..... 110W + 110W
(DIN) 1,000Hz at 8 Ω ..... 120W + 120W
at 4 Ω ..... 100W + 100W

Power output at the Surround operation
Front (1kHz, 0.9% T.H.D. at 8 Ω) ..... 65W + 65W
Center (1kHz, 0.9% T.H.D. at 8 Ω) 65W
Rear (1kHz, 0.9% T.H.D. at 8 Ω) ..... 15W + 15W

Total harmonic distortion (1kHz, 8 Ω) ..... 0.03% at 50W
Frequency response
CD ..... 10Hz – 50kHz +0dB –3dB

Signal to noise ratio (IHF-A)
PHONO (MM) ..... 78dB for 5mV input
CD, TAPE, VIDEO ..... 98dB for 200mV input
Signal to noise ratio (DIN weighted at 50mW output)
PHONO (MM) 57dB
CD, TAPE, VIDEO 58dB
Input sensitivity/impedance
PHONO (MM) ..... 2.5 mV/47k Ω
CD, TAPE, VIDEO ..... 200mV/47k Ω
Tone controls
BASS ..... ±10dB (at 100Hz)
TREBLE ..... ±10dB (at 10kHz)

Video section
VIDEO Inputs/outputs ..... 1 Vp - p, 75 Ω unbalanced

FM Tuner section

Tuning frequency range 87.5MHz–108MHz
Antenna impedance ..... 75 Ω unbalanced

Sensitivity (DIN)
MONO ..... 1.1 μ V
STEREO ..... 40 μ V
Total harmonic distortion (DIN at 1kHz, 65.2dBf input)
MONO 0.3%
STEREO 0.4%
Signal to noise ratio (DIN weighted at 1kHz, 65.2dBf input)
MONO 68dB
STEREO 61dB
Selectivity (DIN ± 300kHz) 65dB
Stereo separation (DIN) ..... 45dB (at 1 kHz)
Sub carrior suppression (DIN) ..... 50dB (at 19kHz)
60dB (at 38kHz)

Frequency response ..... 30Hz – 15 kHz +0.5dB –2.0dB

AM Tuner section
Tuning frequency range ..... 531kHz – 1,602kHz
Usable sensitivity ..... 12 μ V/(400 μ V/m)
Total harmonic distortion 0.5%
Signal to noise ratio 50dB
Selectivity 23dB

General
Power consumption ..... 230W (IEC)
Dimensions ..... 440 (W) x 147 (H) x 398 (D) mm

Weight (net) 10.9kg

AC outlet ..... switched x 1 200W max.

Note:
KENWOOD follows a policy of continuous advancement. For this reason specifications may b echanged without notice.

KENWOOD CORPORATION
Shinogi Shibuya Building, 17-5, 2-chome Shibuya, Shibuya-ku Tokyo 150, Japan
KENWOOD U.S.A. CORPORATION
2201 East Dominguez Street, Long Beach, CA 90810.
550 Clark Drive, Mount Olive, NJ 07828, U.S.A.
KENWOOD ELECTRONICS CANADA INC
P.O. BOX 1075, 959 Gana Court, Mississauga, Ontario, Canada L4T 4C2
TRIO-KENWOOD U.K. LIMITED
KENWOOD House, Dwight Road, Watford, Herts., WD1 8EB United Kingdom
KENWOOD ELECTRONICS BENELUX N.V.
Mechelsesteenweg 418 B-1930 Zaventem, Belgium
KENWOOD ELECTRONICS DEUTSCHLAND GMBH
Rembrucker-Str. 15, 6056 Heusenstamm, Germany
TRIO-KENWOOD FRANCE S.A.
13 Boulevard Ney, 75018 Paris, France
KENWOOD LINEAR S.p.A.
20125, MILANO-VIA ARBE, 50, ITALY
KENWOOD ELECTRONICS AUSTRALIA PTY LTD. (INCORPORATED IN N.S.W.)
P.O. Box 504, 8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia
KENWOOD & LEE ELECTRONICS, LTD.
Wang Kee Building, 4th Floor, 34-37, Connaught Road, Central Hong Kong