655

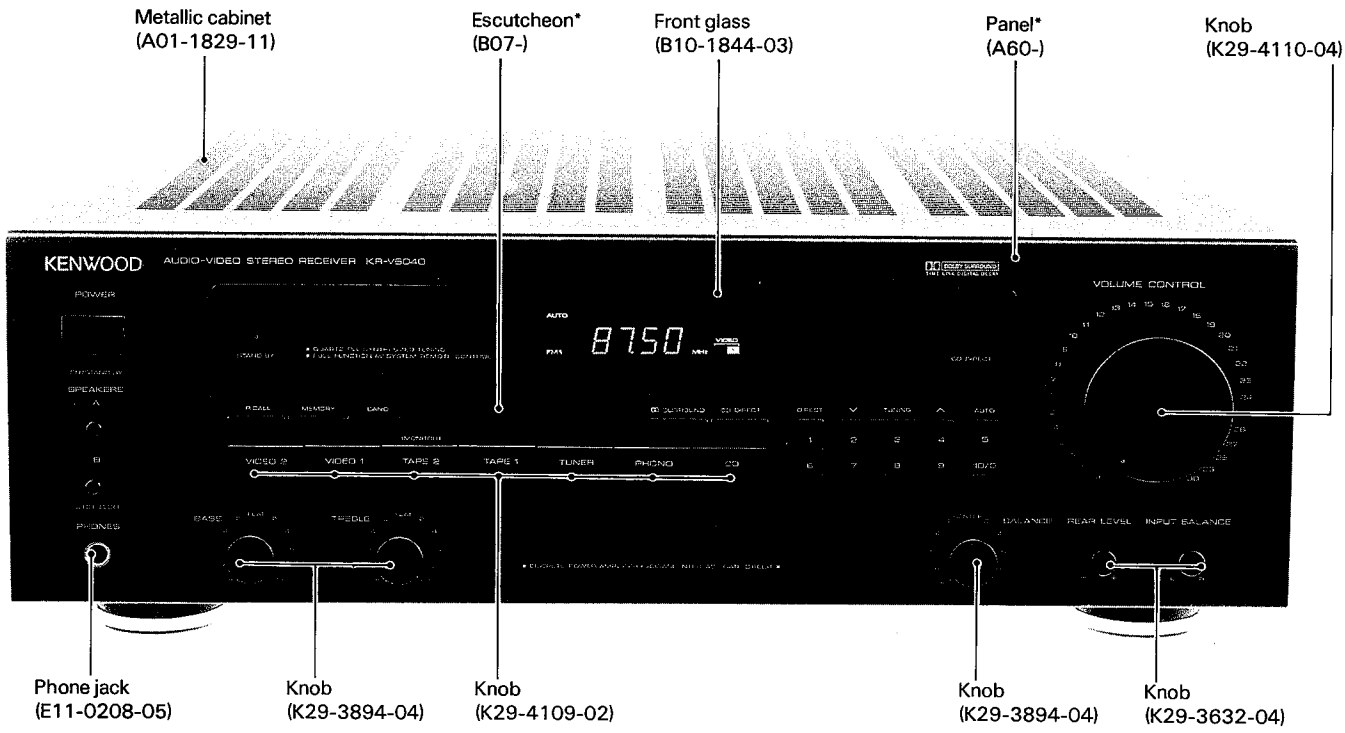
AUDIO-VIDEO STEREO RECEIVER

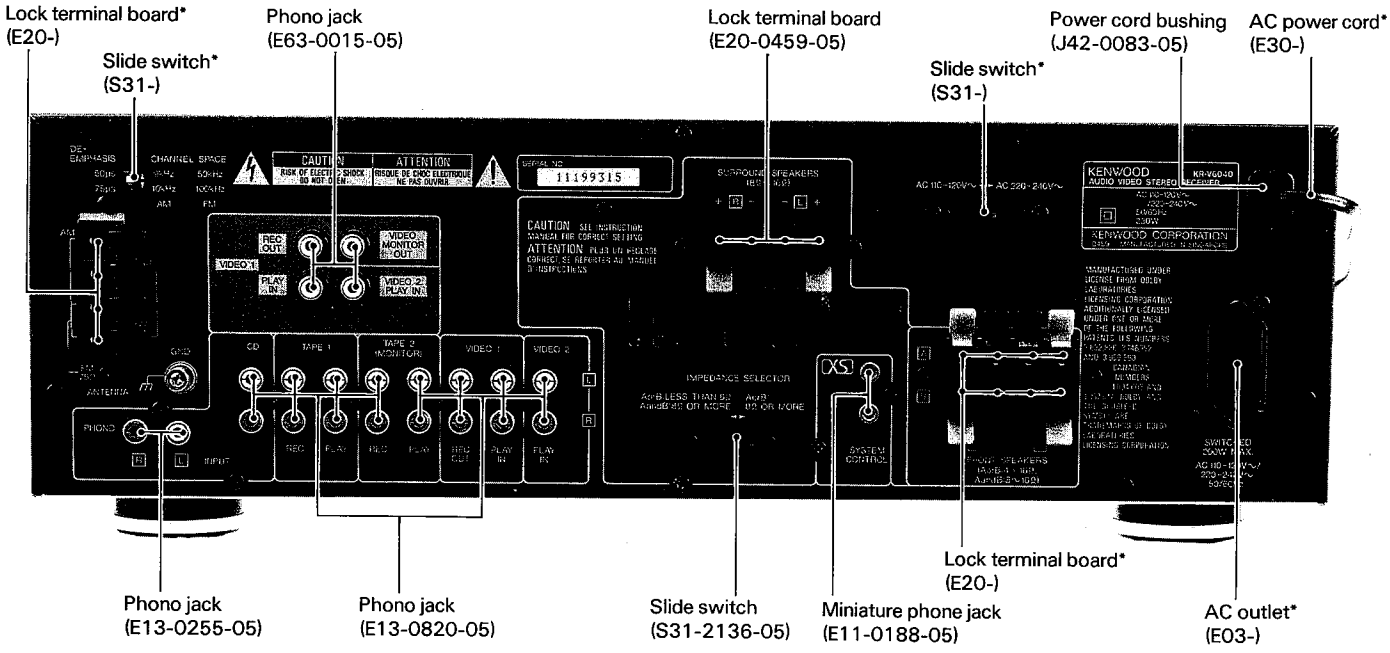
KR-V6040

SERVICE MANUAL

KENWOOD

B51-4495-00(S)3570





* Refer to parts list on page 32.

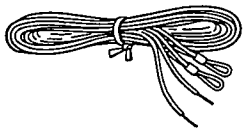
KR-V6040

CONTENTS/ACCESSORIES/CONTROLS

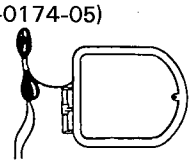
Contents

Accessories

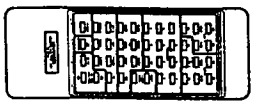
FM indoor antenna 1
(T90-0175-05)



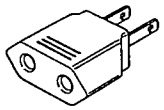
AM loop antenna 1
(T90-0174-05)



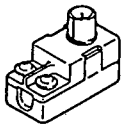
Remote control unit..... 1
(A70-0584-05)



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

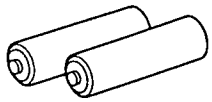


Antenna adaptor
(75Ω/300Ω) 1
(E type only) (T90-0185-05)

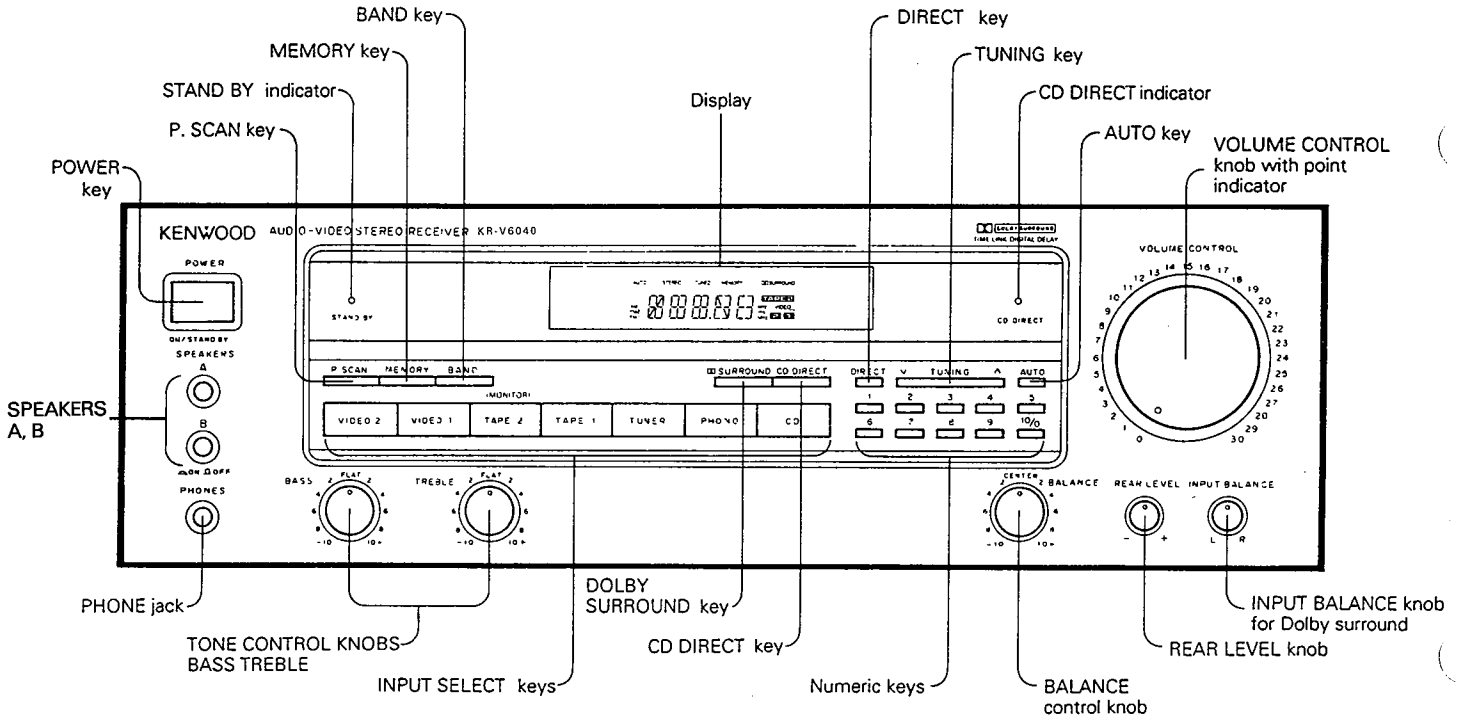


Loop antenna holder 1
(J19-2815-04)

Batteries ("R6" or "AA") 2



Controls



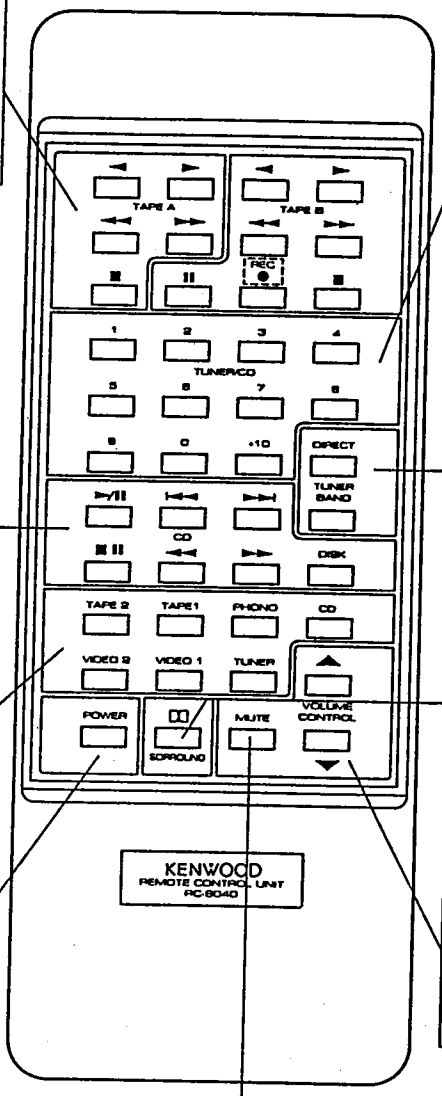
REMOTE CONTROL OPERATION

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.

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 with a disc changer.
For details, read the instruction manual provided with the CD player.

Input selector keys
Switches the input selector.

POWER key
Press to switch the power ON/OFF.



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 numeric keys of the tuner.
How to enter numerals:
For 23 press [+10] twice and 3
For 40 press [+10] four times and 0

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

Surround operation keys

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.

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

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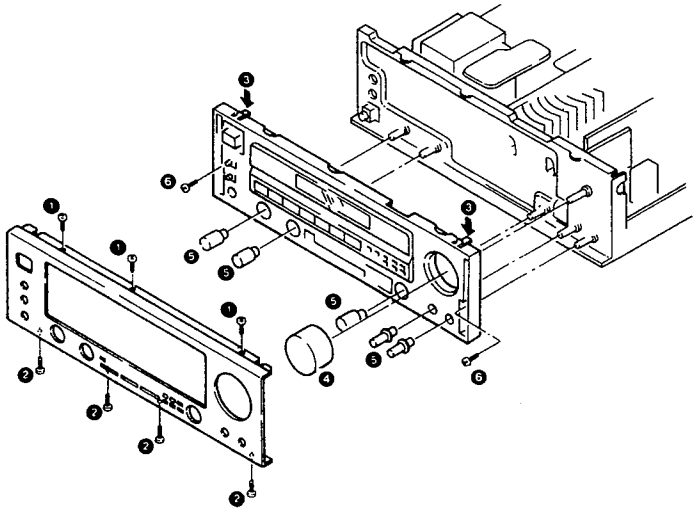
DISASSEMBLY FOR REPAIR

Note: Remove the case before starting.

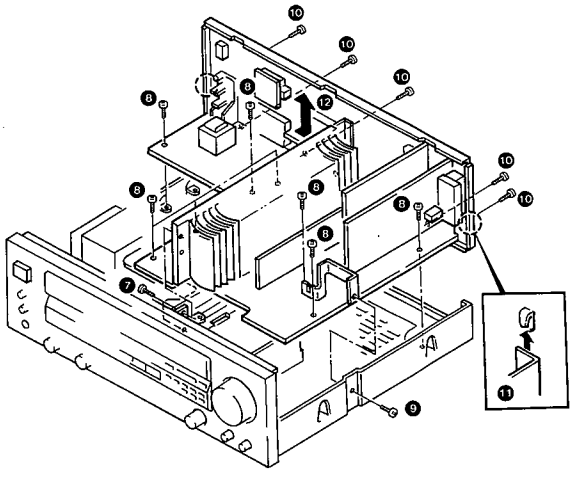
Removing the front panel and sub-panel.

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 subpanel.



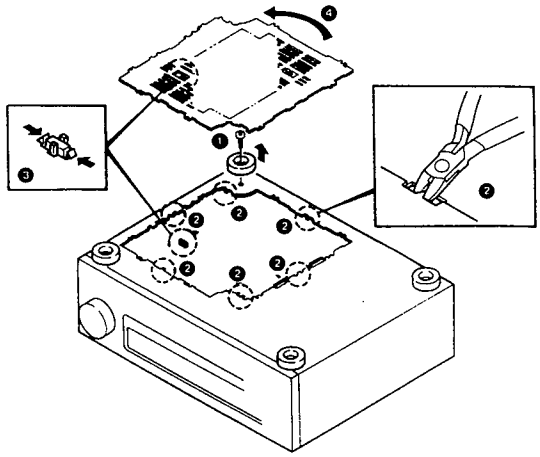
Removing the main PC board

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.



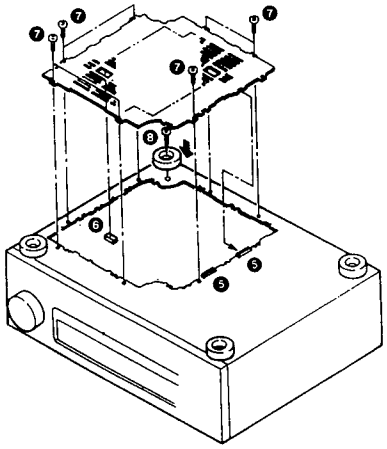
How to remove the repairing chassis

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.

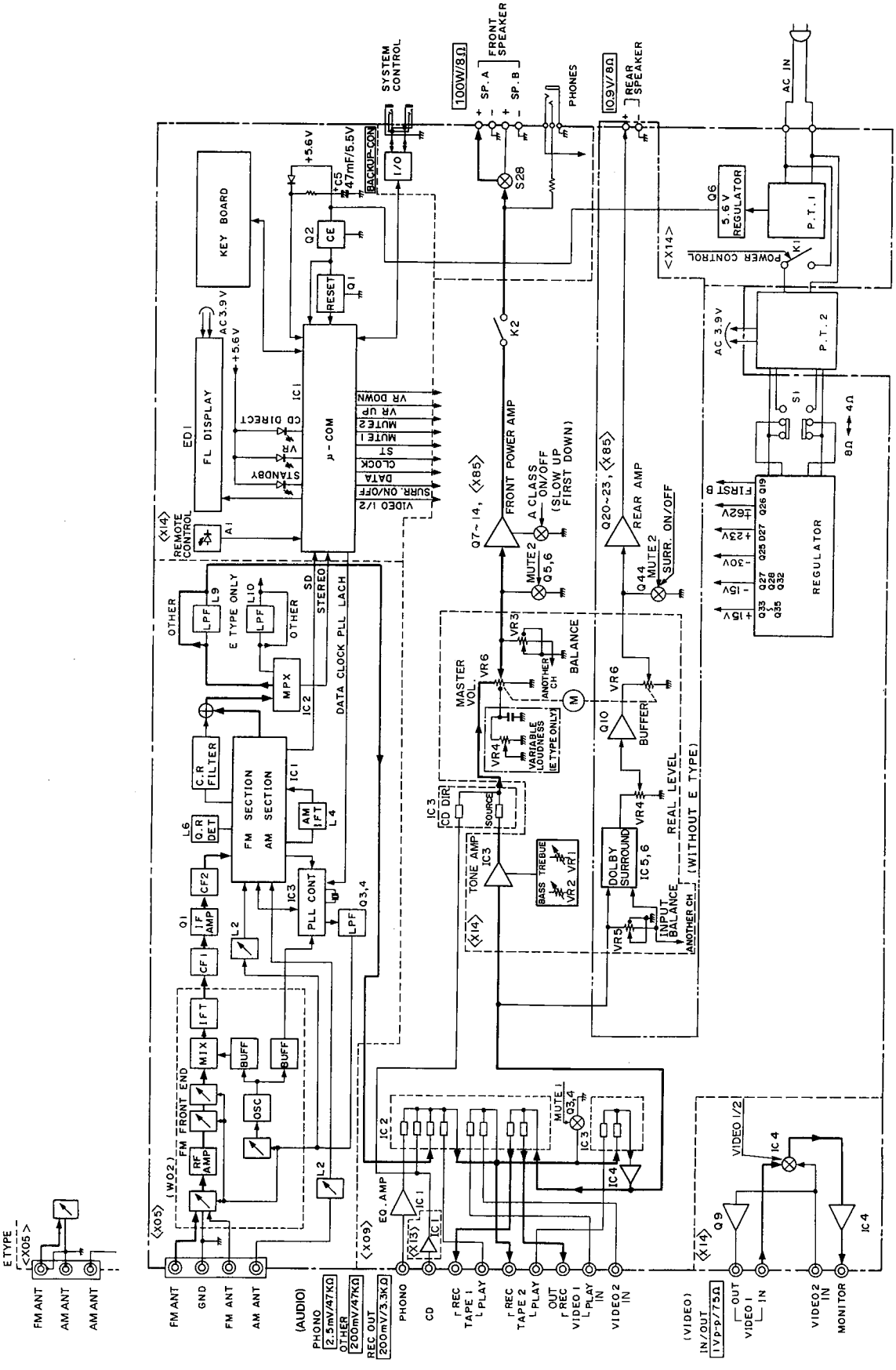


After repair

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 (M3 × 6) ❼.
8. Lock to the foot by screw ❽.



BLOCK DIAGRAM



CIRCUIT DESCRIPTION

1-1. Initial Setting

1) Function initial setting

Last channel memory ..... FM : 87.5MHz
..... AM (K) : 530kHz
..... AM (E) : 531kHz
Tuning mode ..... Auto
Band FM1
Input selector ..... Tuner
Video monitor ..... VIDEO 1
Dolby surround (without E TYPE) ..... OFF
CD DIRECT ..... OFF
TAPE 2 monitor ..... OFF
Muting ..... OFF
Power ..... OFF

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

BAND	FM1		FM2		AM	
ch	K	E	K	E	K	E
1	87.5MHz	87.5MHz	87.5MHz	87.5MHz	530KHz	531KHz
2	89.1	89.1	//	//	630	630
3	90.0	90.0	//	//	990	990
4	92.0	92.0	//	//	1440	1440
5	94.0	94.0	//	//	1610	1602
6	98.0	98.0	//	//	1700*	531
7	100.1	100.1	//	//	530	531
8	102.0	102.0	//	//	530	531
9	106.0	106.0	//	//	530	531
10	108.0	108.0	//	//	530	531

* 1700 kHz is set for WIDE only.

2) Microprocessor output port initial setting

Any figure in ( ) is a pin number.

SURROUND MUTE (17) L
VOL. LED (18) L
VIDEO 1/2 (23) L
POWER (24) L
MUTE 1 (25) ..... H
MUTE 2 (26) ..... H
CDDL (27) ..... H
VOL. DOWN (1) L
VOL. UP (63) L

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 canceling the test mode

1. Unplug the power cord from the AC wall outlet once.
2. Send the reset signal to the RESET pin or some other means to reset the microprocessor.

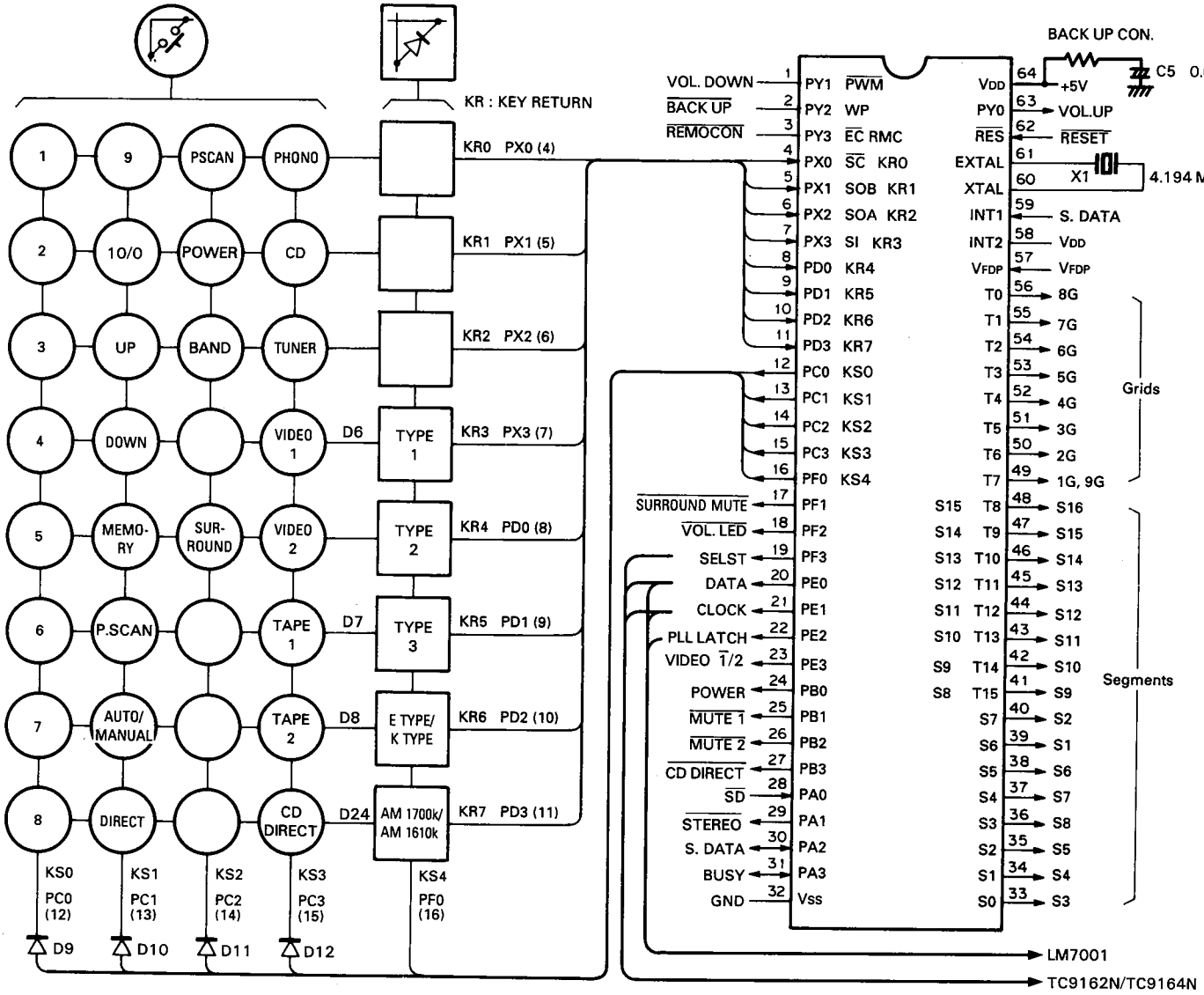
3) Contents of test mode

1. When the test mode is entered, the FL tube display all lights. This all lighting continues unless a effective remote control serial code or the test mode is canceled.
2. The test frequency is stored in memory for each preset channel. (For each frequency to be stored in memory, refer to its associated listing.)
3. The test mode is different from the normal mode in the following operations:
   — When the tuner UP or DOWN key is pressed when a mode other than TUNER has been selected, the potentiometer is increased or decreased. Once one of these keys has been pressed, the operation continues even if the key is released. It stops automatically if the AUTO or POWER key is pressed or if the AUTO or POWER key is not pressed for 16 seconds.

CIRCUIT DESCRIPTION

2. CXP5016-526S: Receiver microprocessor (X14-3040-10 : IC1)

2-1. Key matrix connections



2-2. Setting of destinations, models and specifications depending upon diode key matrix

The setting of destinations, models and specifications is made according to the initial set diode key matrix.
In the following, "1" means "with diodes" and "0", "without diodes".

1) Model Set SW (TYPE 1: D6, TYPE 3: D7)

Model set SW			MODEL	Function				
TYPE 1	TYPE 2	TYPE 3		TUNER BAND	DOLBY SURROUND	VOL. CONT with Motor	Switched VIDEO1, 2	REMOCON
0	0	1	KR-V6040 (OTHER)	FM1→FM2→AM	Provided	Provided	Provided	Provided
1	0	1	KR-V6040 (E TYPE)	↑	Not provided	↑	↑	↑
—	1	0	KR-A5040	↑	↑	↑	Not provided	↑
0	0	0	KR-A4040	FM1, FM2, AM	↑	Not provided	↑	Not provided

CIRCUIT DESCRIPTION

2) Destination set SW: E type/K type (D8 or Q3)

Destination set SW	Destination	BAND	Reception frequency band	Channel space	Reference frequency
0	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

3) Specification set SW: AM1700k/AM1610k (D24)

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

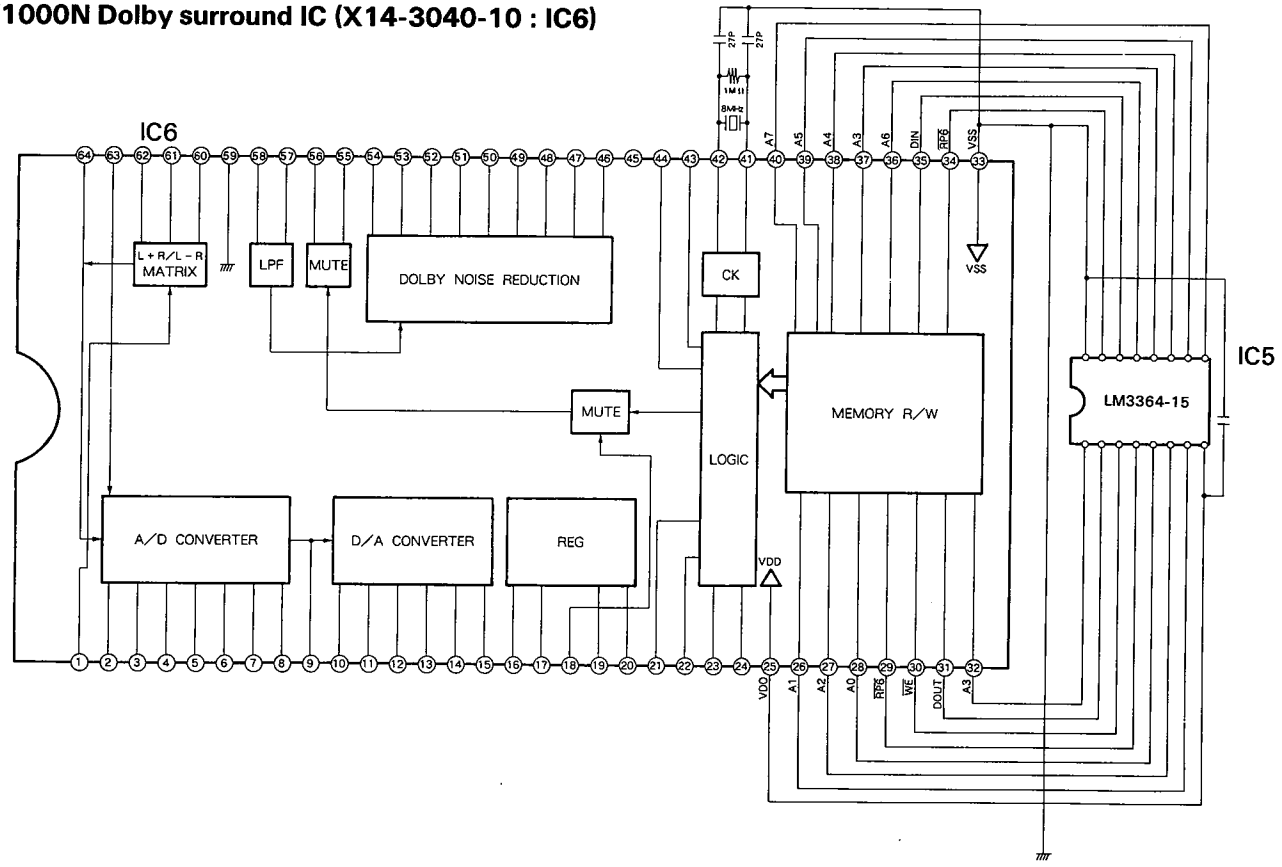
Specification set SW	AM reception frequency band
0	530~1610 kHz
1	530~1700 kHz

Pin description

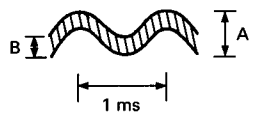
Pin No.	Pin name	I/O	Name	Function
1	PY1	O	VRDOWN	Potentiometer down operation control. High: V down Low: Normal state
2	PY2	I	BACKUP	Backup (AC outlet off) detection. High: Normal state Low: AC outlet off When the power is switched on, high is input. When low is input, the microprocessor stops clock generation and enters the backup state. When the signal changes from low to high, the backup state changes to the normal state.
3	RMC	I	$\overline{\text{REMOCON}}$	REMOCON signal input. active Low
4~11	PX0~PX3 PD0~PD3	I	KR0~KR7	KEY RETURN signal input. High There is input. Low: There is no input.
12~16	PC0~PC3 PF0	O	KS0~KS4	KEY SCAN signal output. Normally high is output. Key scan is performed when KEY is ON.
17	PF1	O	$\overline{\text{SMUTE}}$	SURROUND effect audio signal output ON/OFF control. High: output ON Low: output OFF
18	PF2	O	$\overline{\text{VOLLED}}$	Volume LED signal output. High: OFF Low: ON
19	PF3	O	SELST	Data latch signal output to TC9162/TC9164. Data is latched on the rising edge.
20	PE0	O	DATA	LM7001(PLL IC) TC9162/TC9164 (selector IC) control serial data output. Data is latched on the rising edge of the clock.
21	PE1	O	CLOCK	LM7001, TC9162/TC9164 control serial data transfer shift clock output. Data is latched on the rising edge of the clock.
22	PE2	O	PLLLT	CE signal output to LM7001. When the signal is high, LM7001 is enabled.
23	PE3	O	VIDEO $\overline{1}$/2	VIDEO signal switching control. High: VIDEO 2 Low: VIDEO 1
24	PB0	O	POWER	Power supply circuit relay on/off control. High: ON Low: OFF
25	PB1	O	$\overline{\text{MUTE 1}}$	TAPE 2 REC OUT mute control. High: MUTE OFF Low: MUTE ON
26	PB2	O	$\overline{\text{MUTE 2}}$	LINE OUT mute control. High: MUTE OFF Low: MUTE ON
27	PB3	O	$\overline{\text{CDDL}}$	CD DIRECT LED signal output. High:OFF Low:ON
28	PA0	I	$\overline{\text{SD}}$	Tuner tuned detection. High: NO SIGNAL Low: TUNED
29	PA1	I	$\overline{\text{STEREO}}$	Tuner FM stereo detection. High: MONO Low: Stereo
30	PA2	I/O	SDATA	This pin and serial data pin 59 are shorted.
31	PA3	I/O	BUSY	Serial busy signal input/output.
32	Vss	—	GND	GND.
33~48	S0~S15	O	Sa~So, Sr	Fluorescent display segment drive signal output.
49~51	T7~T5	O	—	N.C.
52~56	T4~T0	O	G5~G1	Fluorescent display digit drive signal output.
57	V_{FDP}	—	V_{FDP}	Fluorescent display output driver circuit power supply.
58	INT2	I	—	Unused pin. This pin and GND are shorted.
59	INT1	I	SDATA	This pin and serial data input pin 30 are shorted.
60	XTAL	O	XTAL	Clock generation circuit output.
61	EXTAL	I	EXTAL	Clock generation circuit input.
62	RST	I	$\overline{\text{RESET}}$	Reset signal input.
63	PY0	O	VRUP	Volume up operation control. High: UP Low: Normal state
64	V_{DD}	—	V_{DD}	+5 V power supply.

CIRCUIT DESCRIPTION

3. LV1000N Dolby surround IC (X14-3040-10 : IC6)

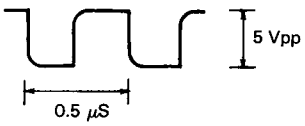


Main output wave (Condition: Input is 1 kHz, 0.4 Vpp of its Pin No. ⑥⓪.



Pin No.	FUNCTION	A [V]	B [V]
③	DET FILTER	2.0	1.0
④	DET FILTER	1.0	0.5
⑤	PRE-EMPH	2.0	0.1
⑦	SBF	3.5	0.1
⑪	DELAY OUT	1.8	0.1

Pin No. ㉖~㊵, (Except Pin No. ㉛, ㉝ and ㉟.)



Pin No.	FUNCTION	
⑥⓪	Rch IN	0.38 Vpp, 1 ms
⑤⑦	7 kHz LPF-OUT	NOISY, 0.3 Vpp, 1 ms
⑤④	NR OUT	0.3 Vpp, 1 ms
⑤②	NR IN	NOISY, 0.8 Vpp, 1 ms
④②	X'tal	4 Vpp, 8 MHz, 125 ns
④①	X'tal	5 Vpp, 8 MHz, 125 ns

CIRCUIT DESCRIPTION

Pin Description

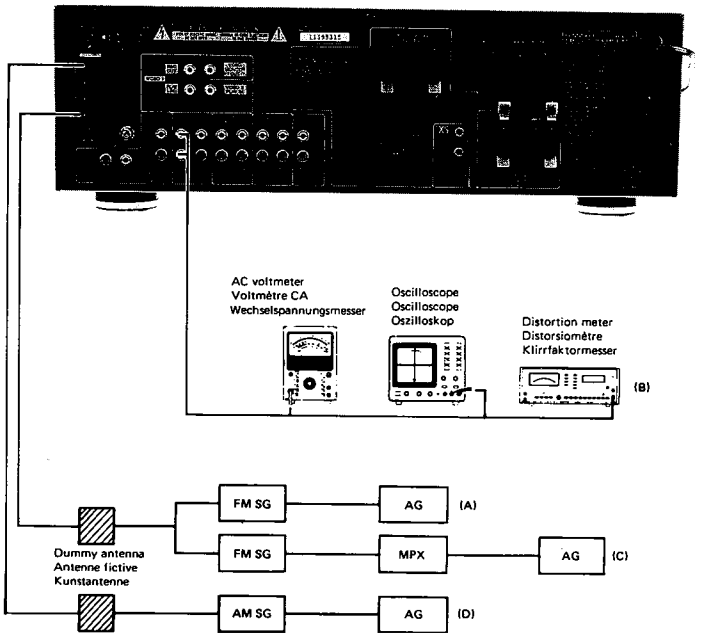
Pin No.	Description	Pin No.	Description
1	Delay input signal changeover switch (L+R/L—R)	42	Crystal oscillator for oscillation circuit
2	Comparator power supply filter	43	Switching between long and short modes
3, 15	Detection input filter	44	Switching between serial and parallel inputs
4, 14	Detection input filter	45	Test mode pin. Normally open or Vss.
5, 13	Pre-emphasis capacitor	46	NR smoothing capacitor
C, 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	49	Variable resistor input
9	Capacitor for de-coupling operating threshold voltage	50	NR input
11	Sliding band filter capacitor and delay output	51	7-kHz low-pass filter output
16	Reference voltage (1/2 Vcc), primary	52	NR input
17	Reference voltage (1/2 Vcc), secondary	53	De-coupling capacitor
18	Mute control input pin	54	Delay output and NR output
19	Vcc	55	Mute circuit input
20	VDD output	56	Mute circuit output
21	Clock for serial input, data input for parallel input	57	7-kHz filter output
22	Data for serial input, data input for parallel input	58	7-kHz filter input
23	Column address selection for serial input, data input for parallel input	59	GND
24	Row address selection for serial input, data input for parallel input	60	R channel input
25	VDD	61	L channel input
26—40	Connection with memory IC	62	Matrix output de-coupling capacitor
33	Vss	63	Noise shaping and delay input
41	Crystal oscillator for oscillation circuit	64	Noise shaping output

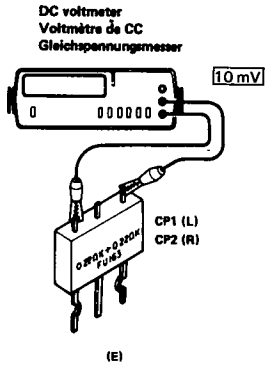
ADJUSTMENT

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 (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) (X09-)	Volume:0	VR1(L) VR2(R) (X09-)	10mV	(c)
<2>	DOLBY LEVEL	DOLBY SURROUND:ON Connect the AG to CD terminal AG output:1kHz, 400mV Input selector:CD	Connect a DC voltmeter between TP1(DOLBY LEVEL) and TP2(GND). (X14-)		VR7 (X14-)	300mV	(d)

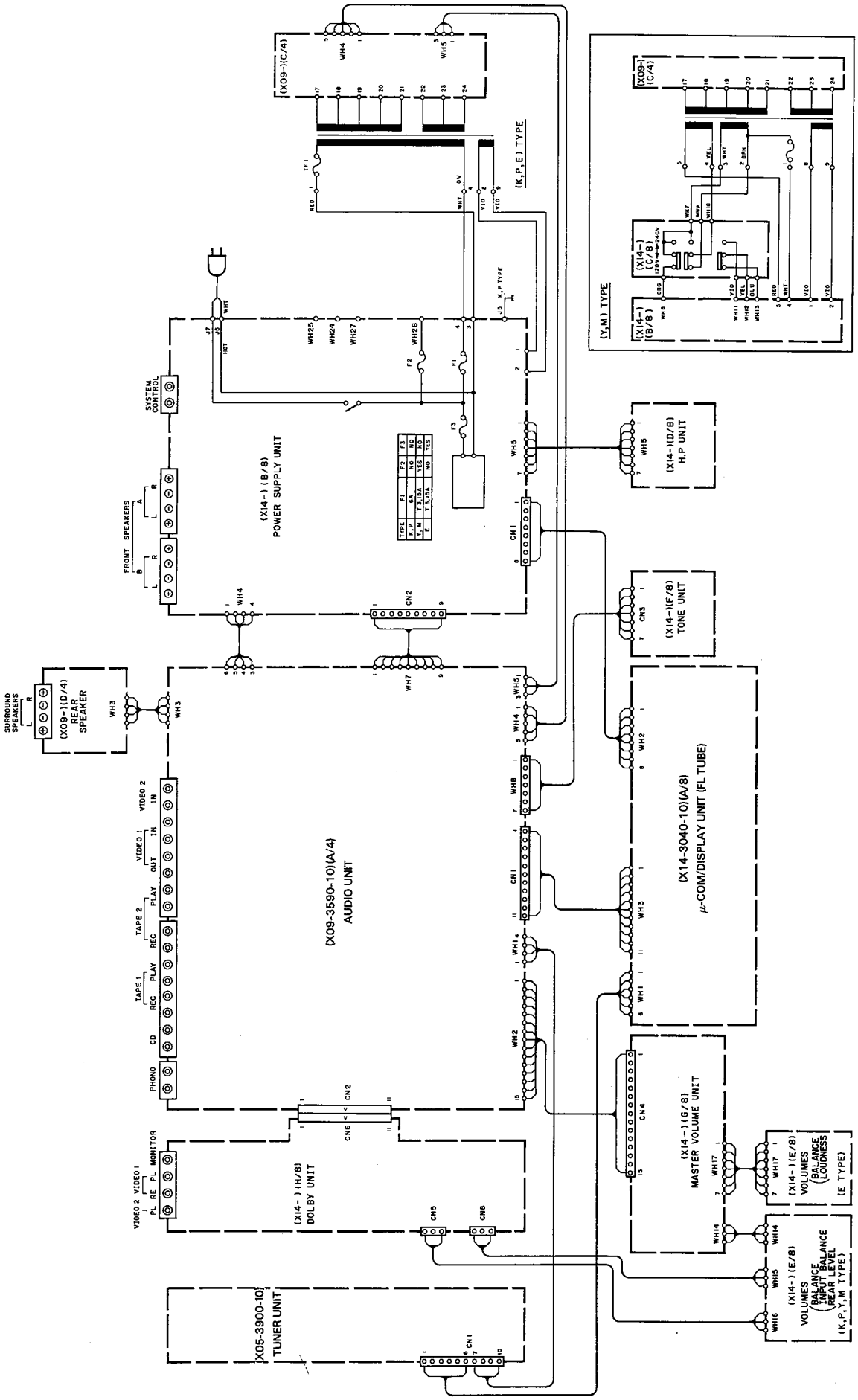
System connections/Raccordements du système/System-Anschlusse





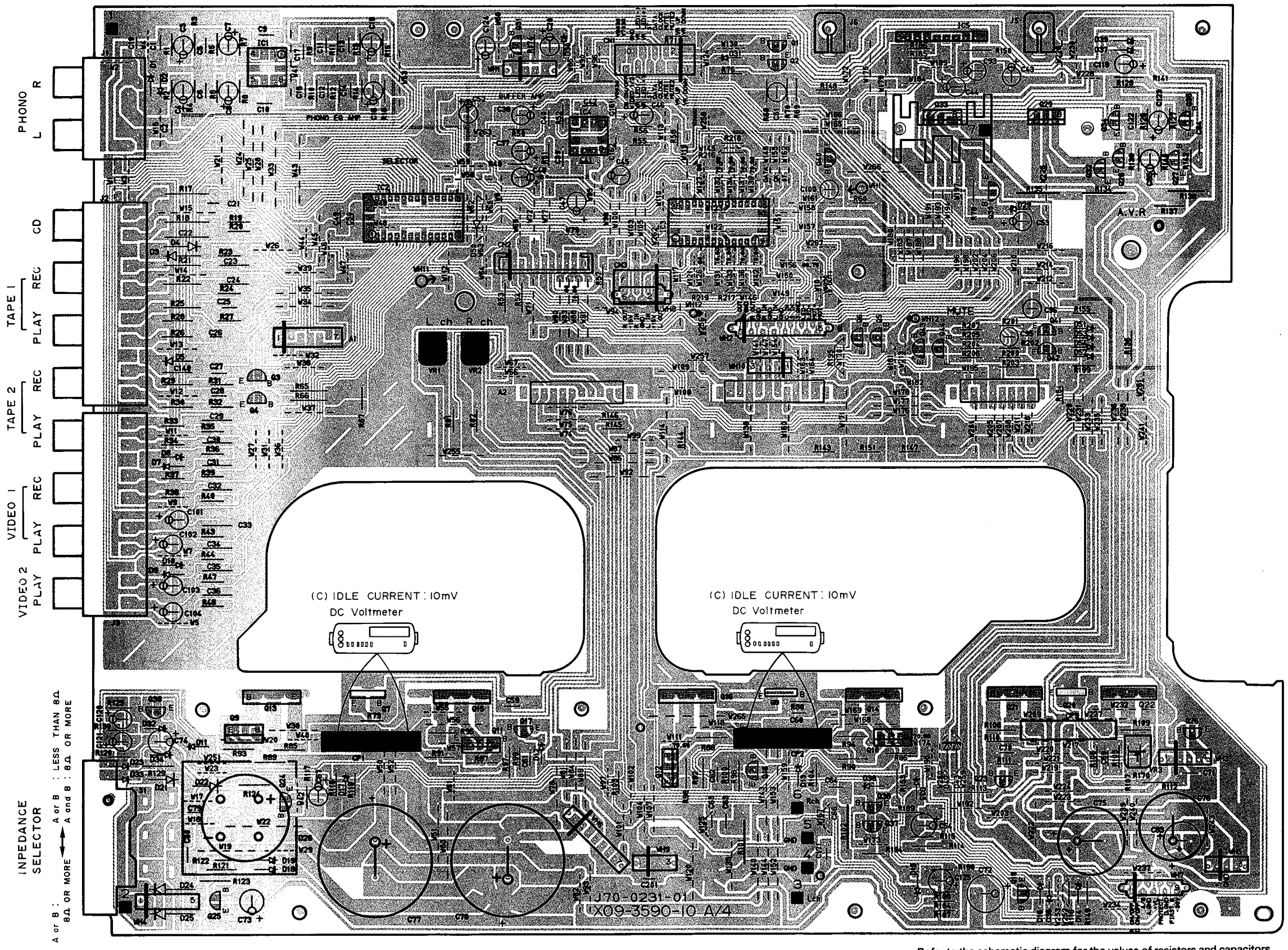
KR-V6040

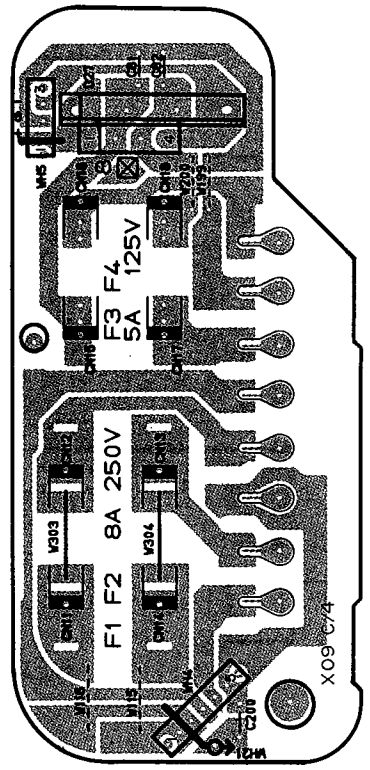
WIRING DIAGRAM

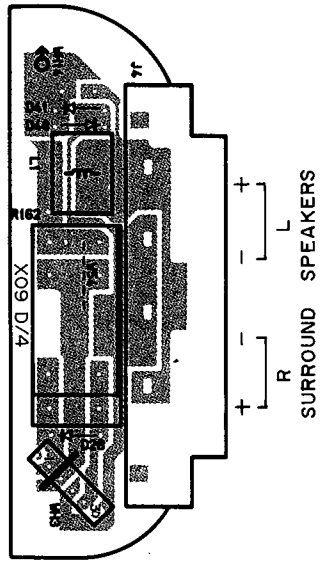


PC BOARD (Component side view)

● **AUDIO UNIT**



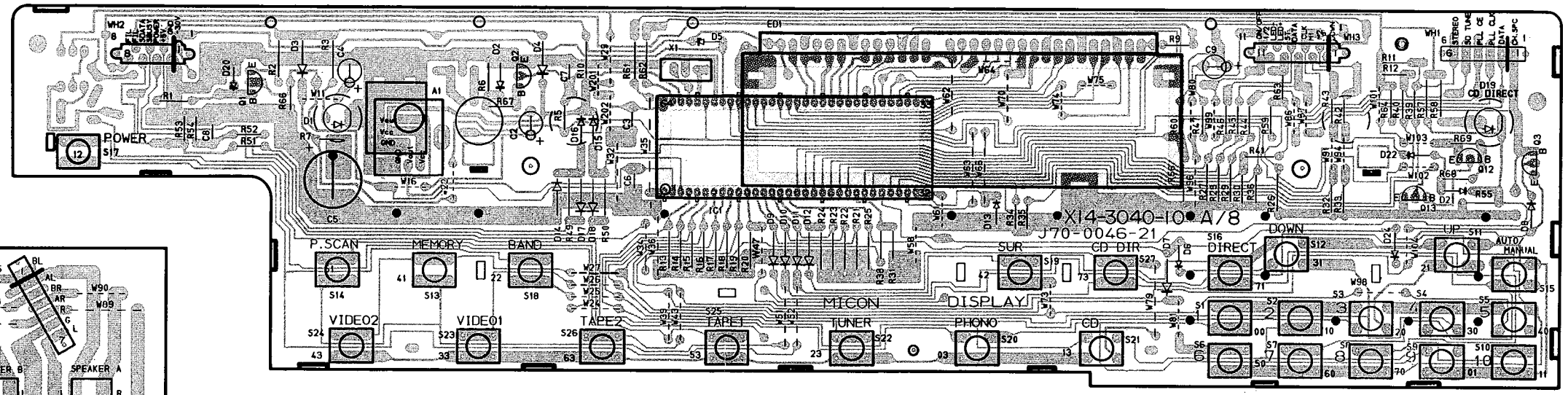


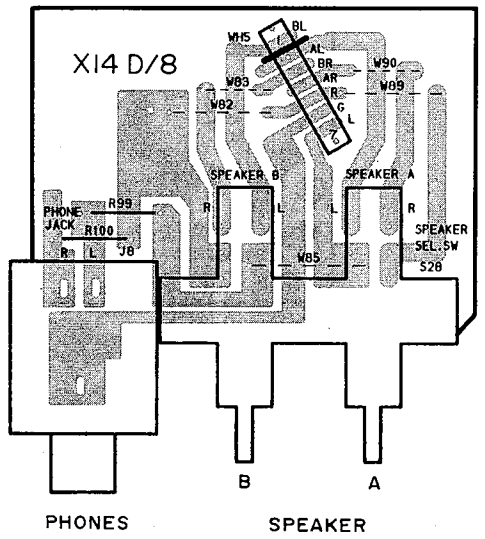


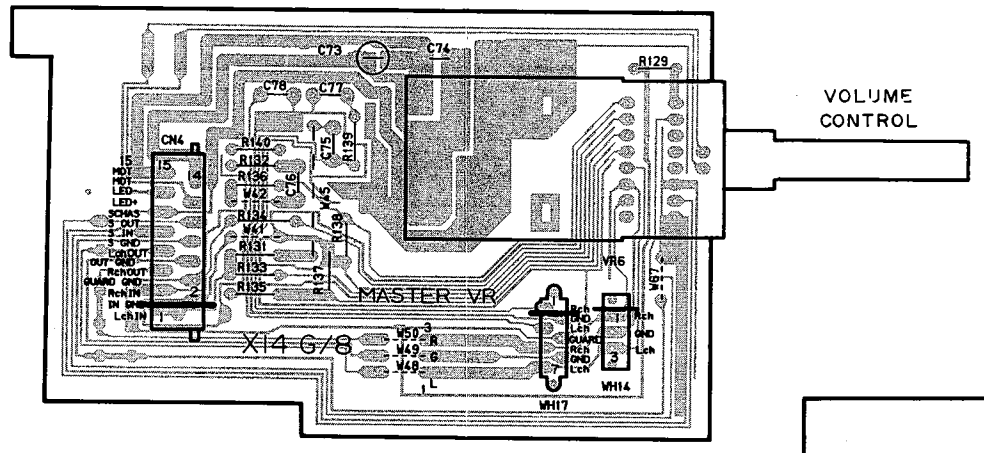
Refer to the schematic diagram for the values of resistors and capacitors.

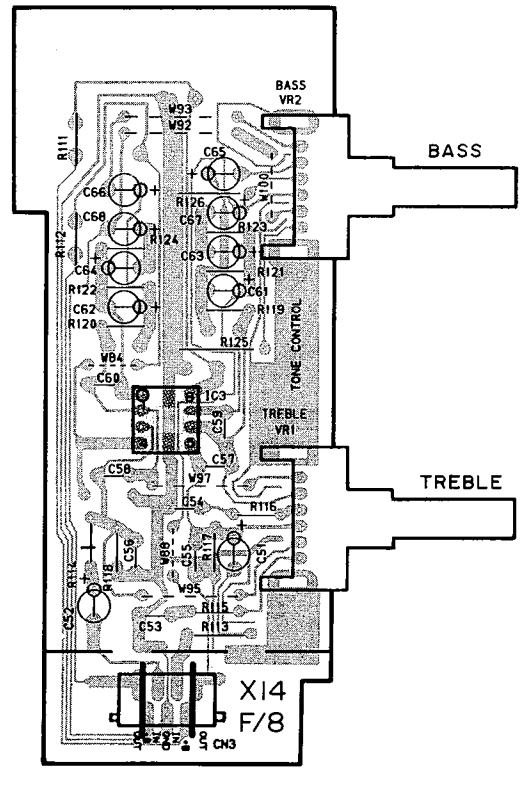
PC BOARD (Component side view)

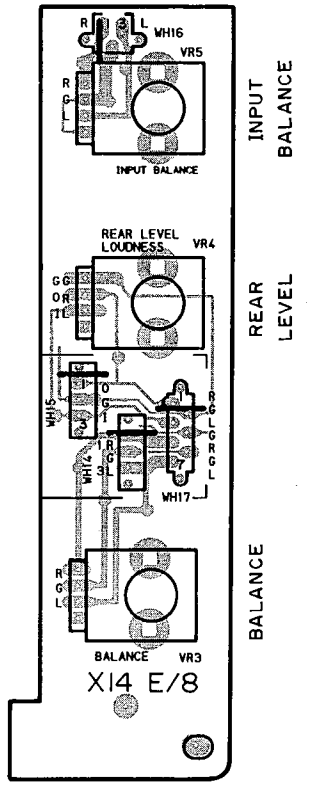
- **DISPLAY UNIT**

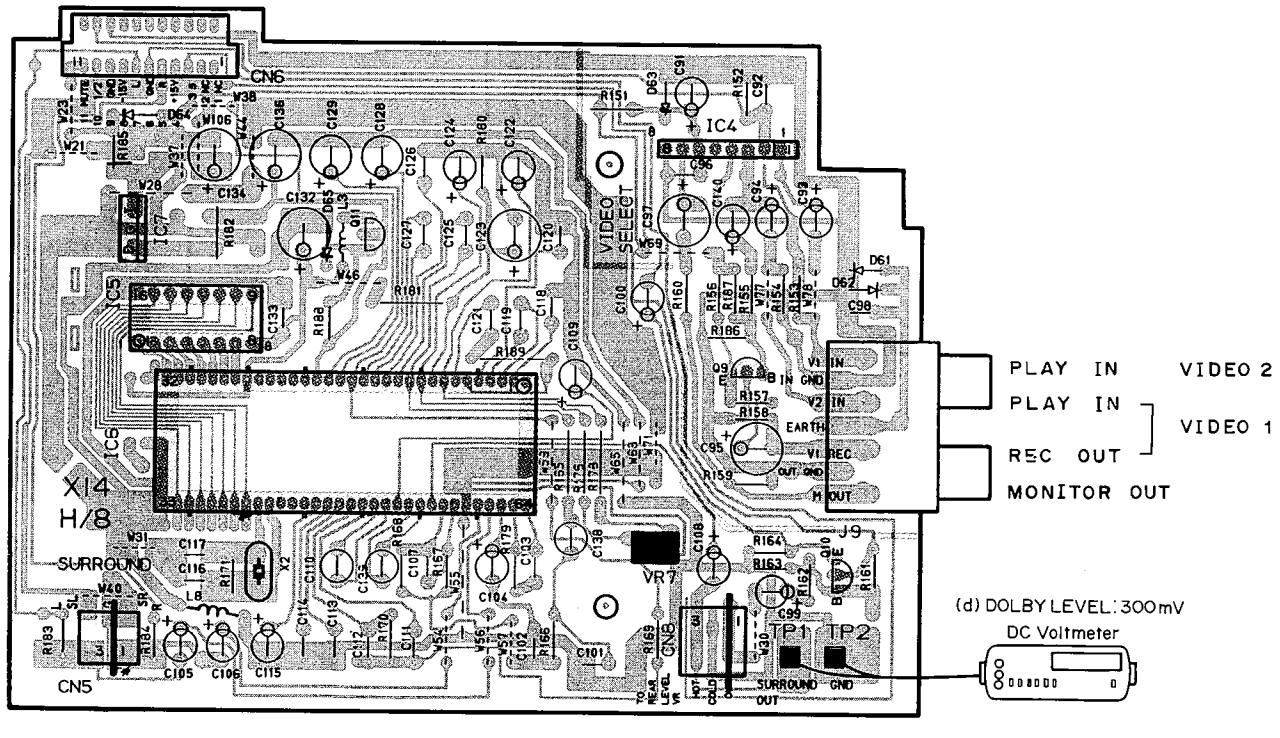








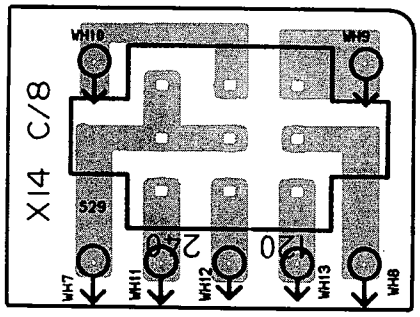




Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD
(Component side view)

• DISPLAY UNIT



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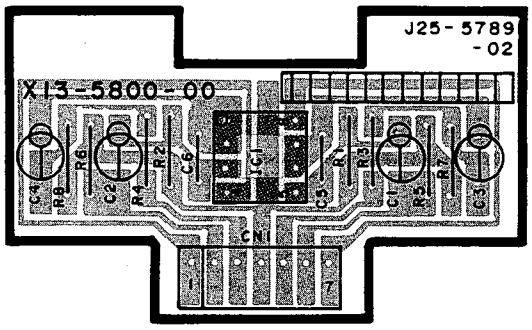

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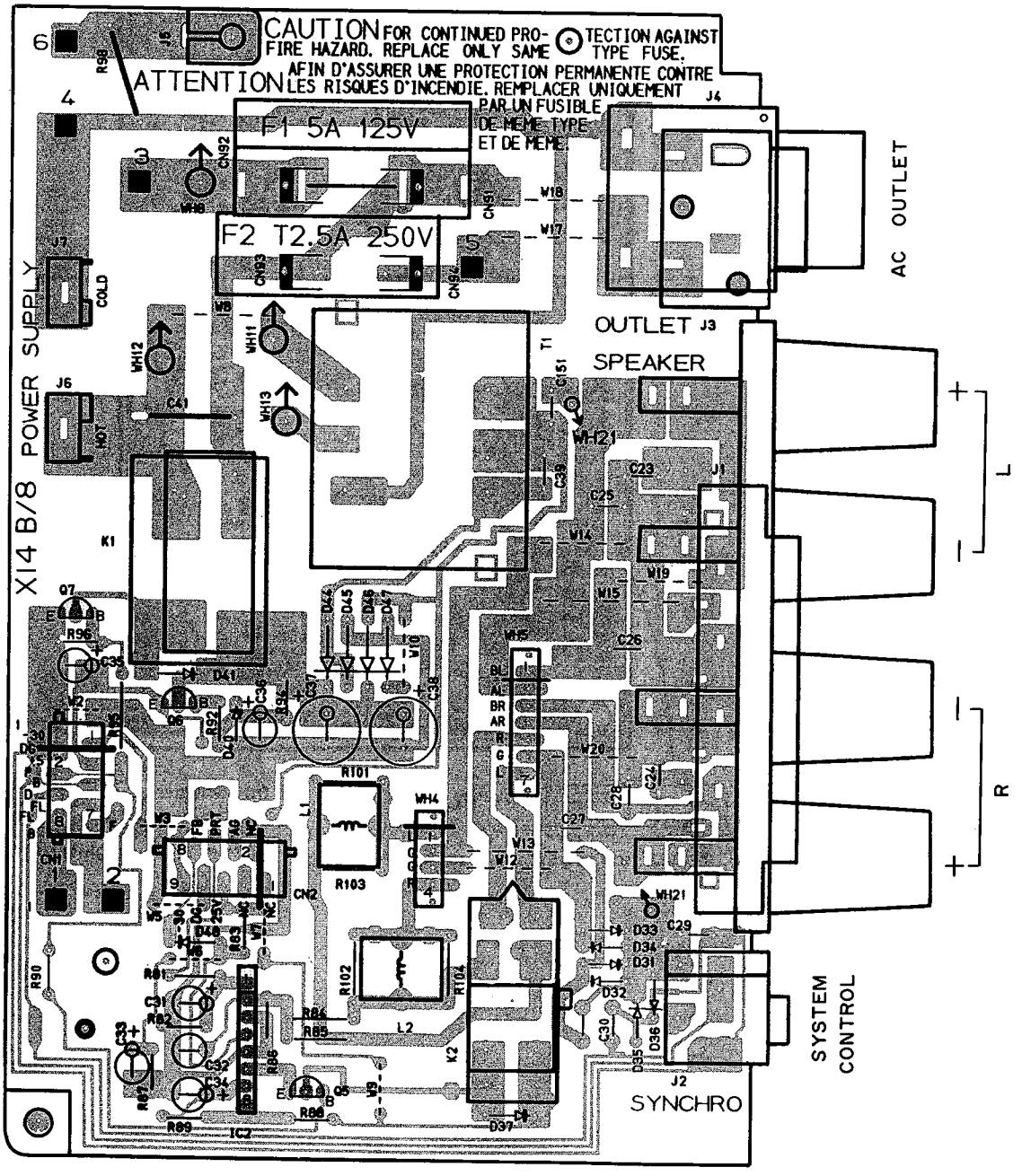


Refer to the schematic diagram for the values of resistors and capacitors.

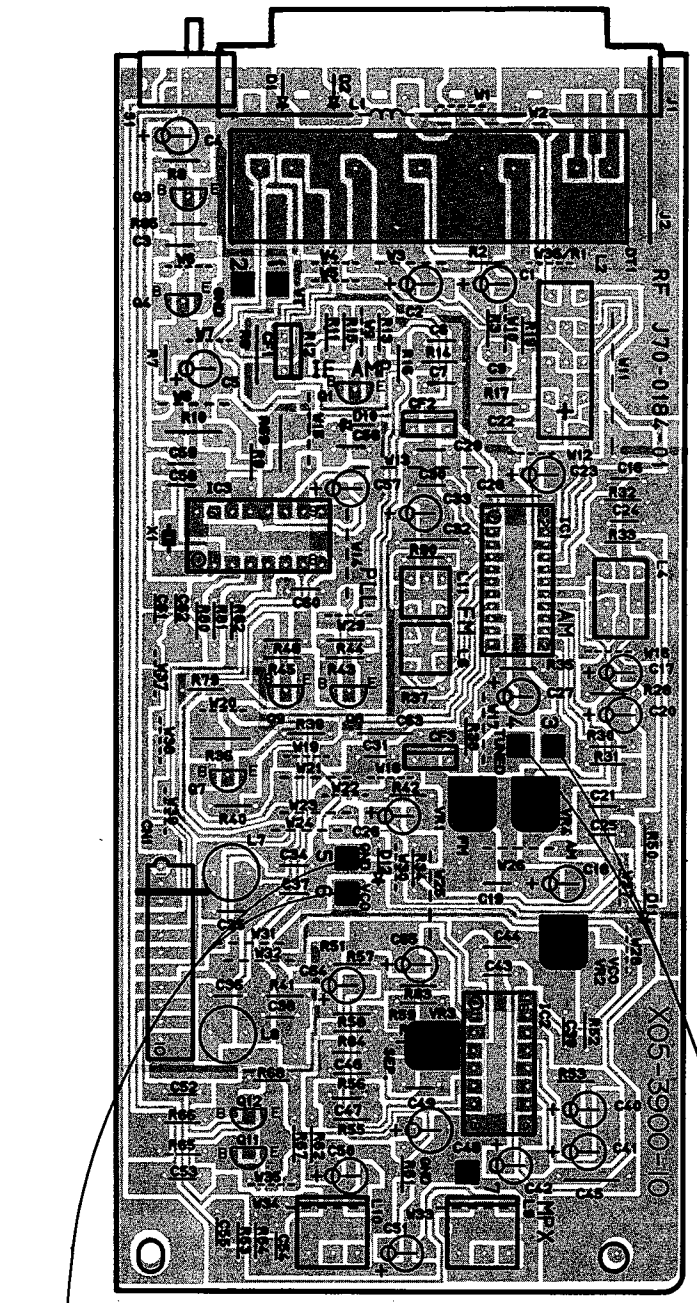
PC BOARD (Component side view)

DE-EMPHASIS
50μS 75μS

CHANNEL SPACE
AM 9kHz ⟷ 10kHz
FM 50kHz ⟷ 100kHz

• TUNER UNIT

ANTENNA



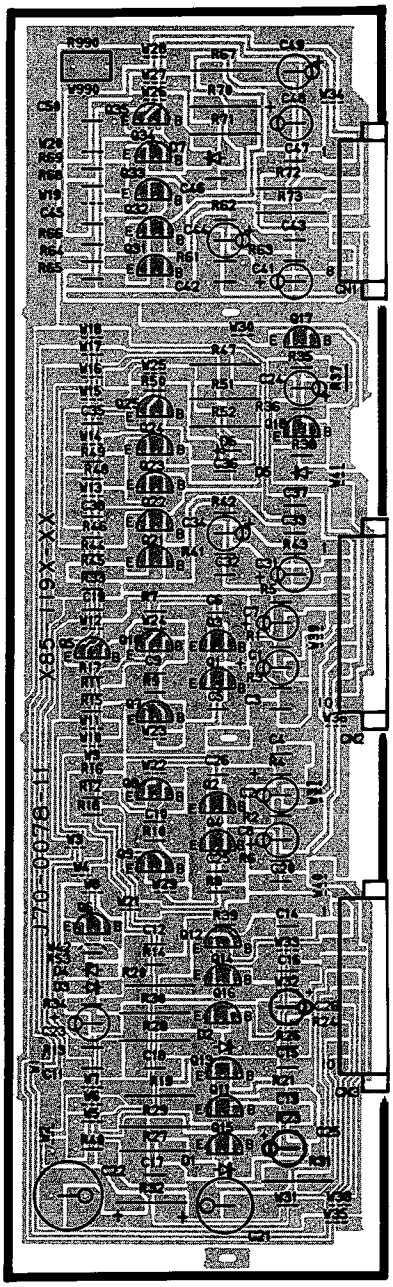
Frequency countor

(b) VCO: 19.00kHz

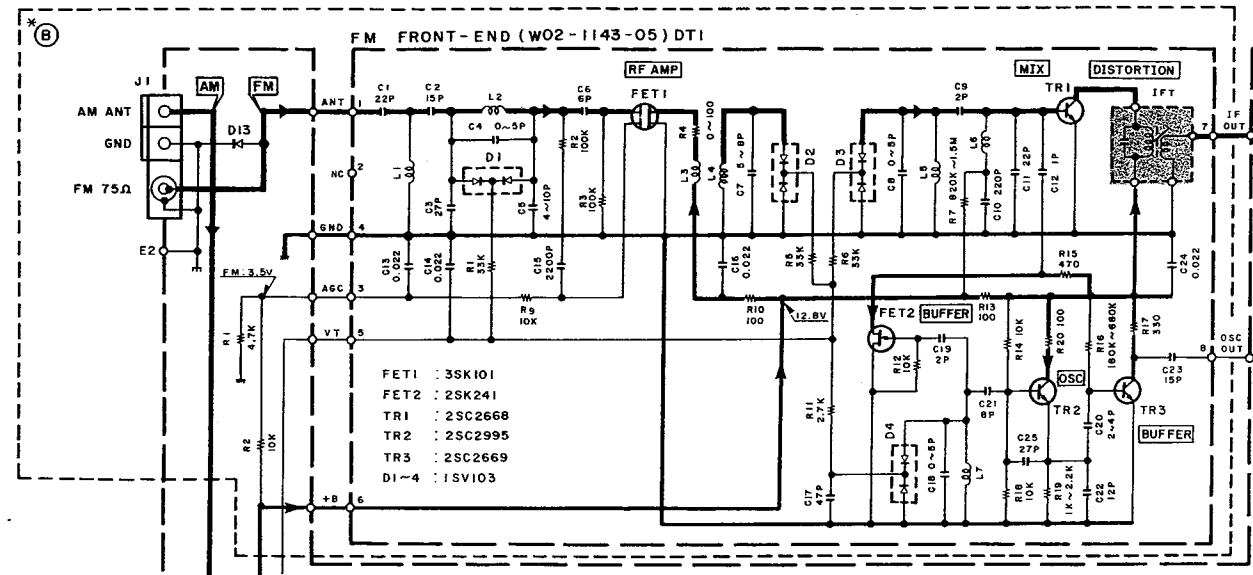
DC Voltmeter

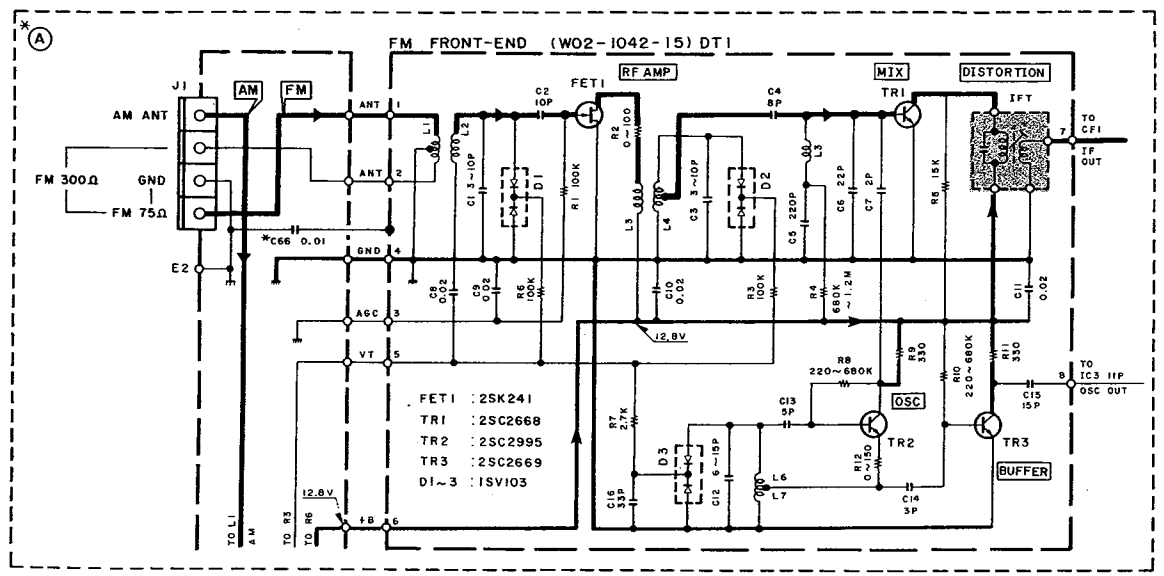
(a) DISCRIMINATOR:0V

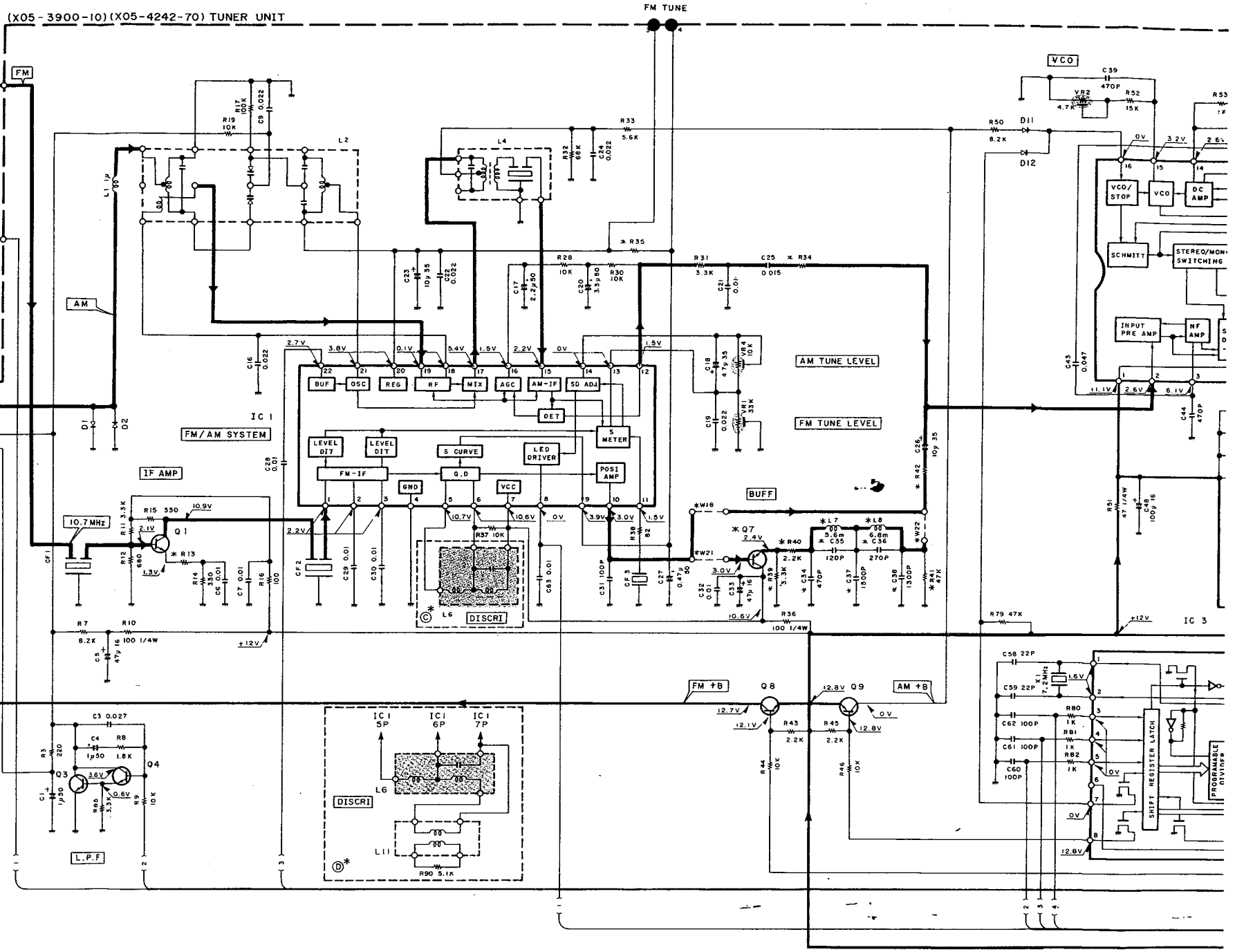
• POWER AMPLIFIER UNIT



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







IC1 : LA1265
IC2 : AN7470
IC3 : LM7001

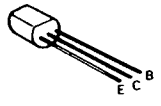
D1,2,11~13 : 1SS133 or HSS104
D10 : RD5.1ES(B2) or HZS5.1N(B2)

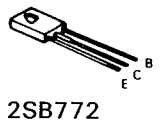
Q1 : 2SC1923(R,O)
Q3,7,11,12 : 2SC945(A)(O,P) or 2SC1740S(O,R)
Q4 : 2SC1845(F,E)
Q8,9 : 2SA733(A)(O,P) or 2SA933S(O,R)

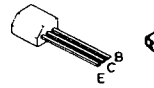
Ref. NO. / DESTINATION		Ⓐ Ⓒ	Ⓑ Ⓓ	C34~38, 49 64, 65	C46, 47	C50, 51	C52 53, 66	C54, 55	S1	VR3	W18, 33 34	W21, 22	L7~10	Q7	Q11, 12	R39~41 59, 83, 84	R13	R34	R35	R42	R60	R61, 62	R63, 64	R65~68
K, P	0 - 10	YES	NO	NO	150p	1 µ 50	NO	0.022	NO	NO	YES	NO	NO	NO	NO	NO	56	36K	15K	39K	YES	3.6K	39K	NO
M, Y	0 - 21	YES	NO	NO	150p	1 µ 50	YES	0.015	YES	NO	YES	NO	NO	NO	YES	NO	56	36K	39K	39K	YES	3.6K	39K	YES
T, E	2 - 70	NO	YES	YES	1000p	2.2µ 50	NO	4700p	NO	YES	NO	YES	YES	YES	NO	YES	22	47K	36K	47K	NO	3.3K	3.3K	NO

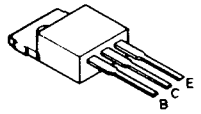
(X14-304X-XX)(A/B)
A1 : W02-1046-05
or W02-0975-05

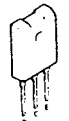
ED1 : CF1036C

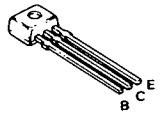

2SA1123
2SA733(A)
2SA992
2SC1845
2SC1923
2SC2003
2SC2631
2SC2878
2SC3940A
2SC945(A)
2SD1302

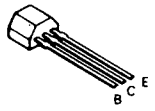

2SB772


RN1203

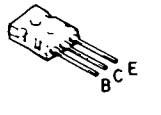

2SD1266

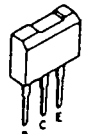

2SB1253*5

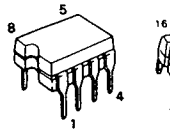

2SC2785

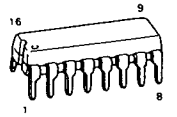

DTA143TS
DTC124ES
2SA1048
2SA933S
2SC1740S
2SC2458

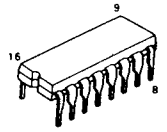

2SC4137

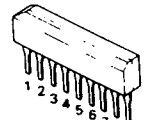

2SB1470*5
2SD2222*5

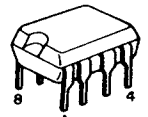

2SD1893*5

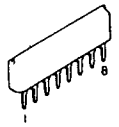

NJM4565D-D

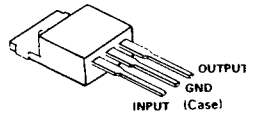

LM7001


AN7470

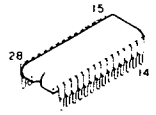

TA8409S

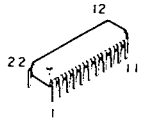

RC4565D-D
UPC4570C-A

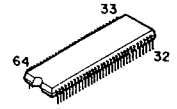

NJM2244L
UPC1237HA

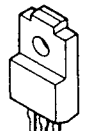


UPC7812HF


TC9162N
TC9164N


LA1265

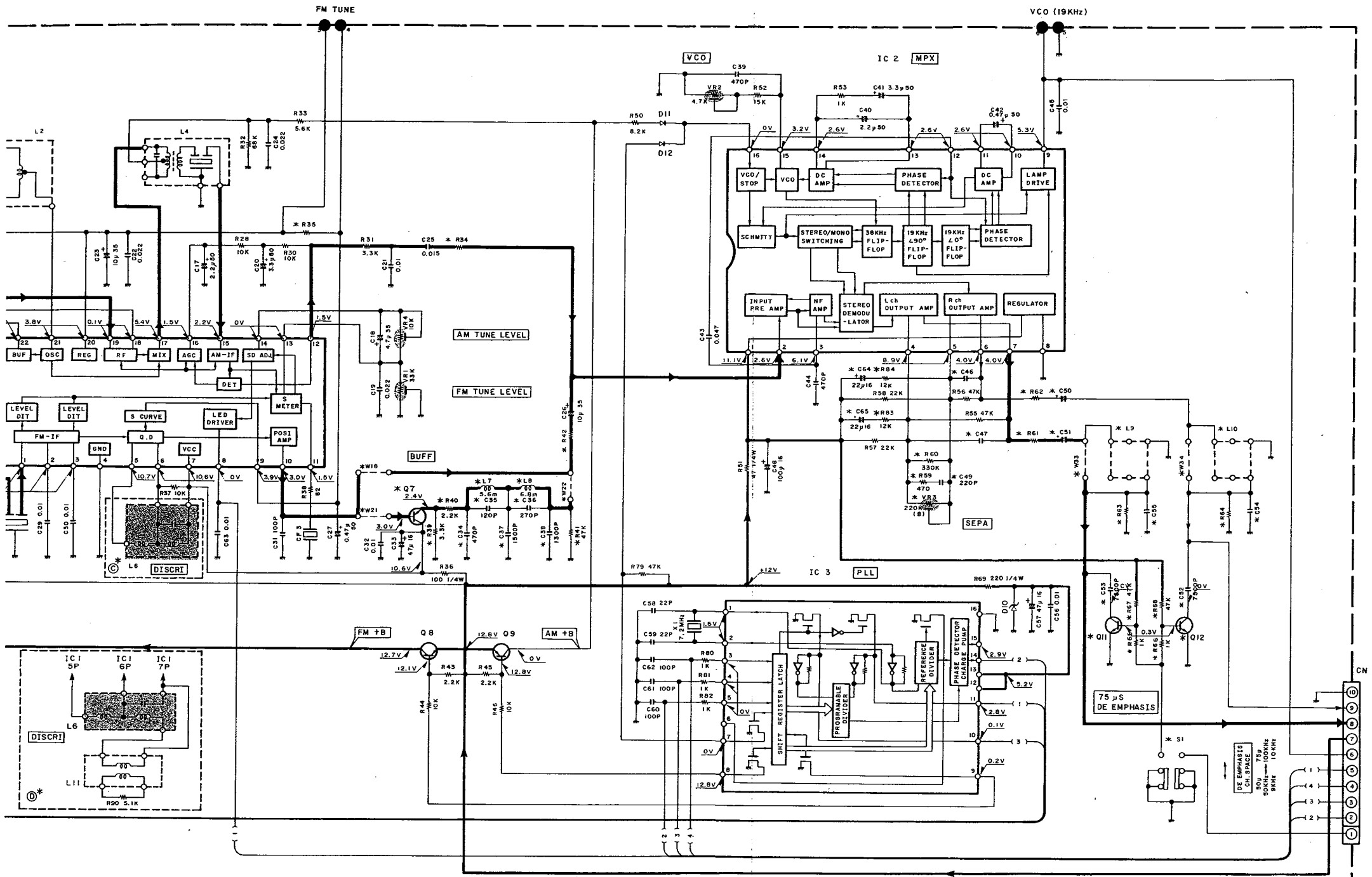

CXP5016-526S

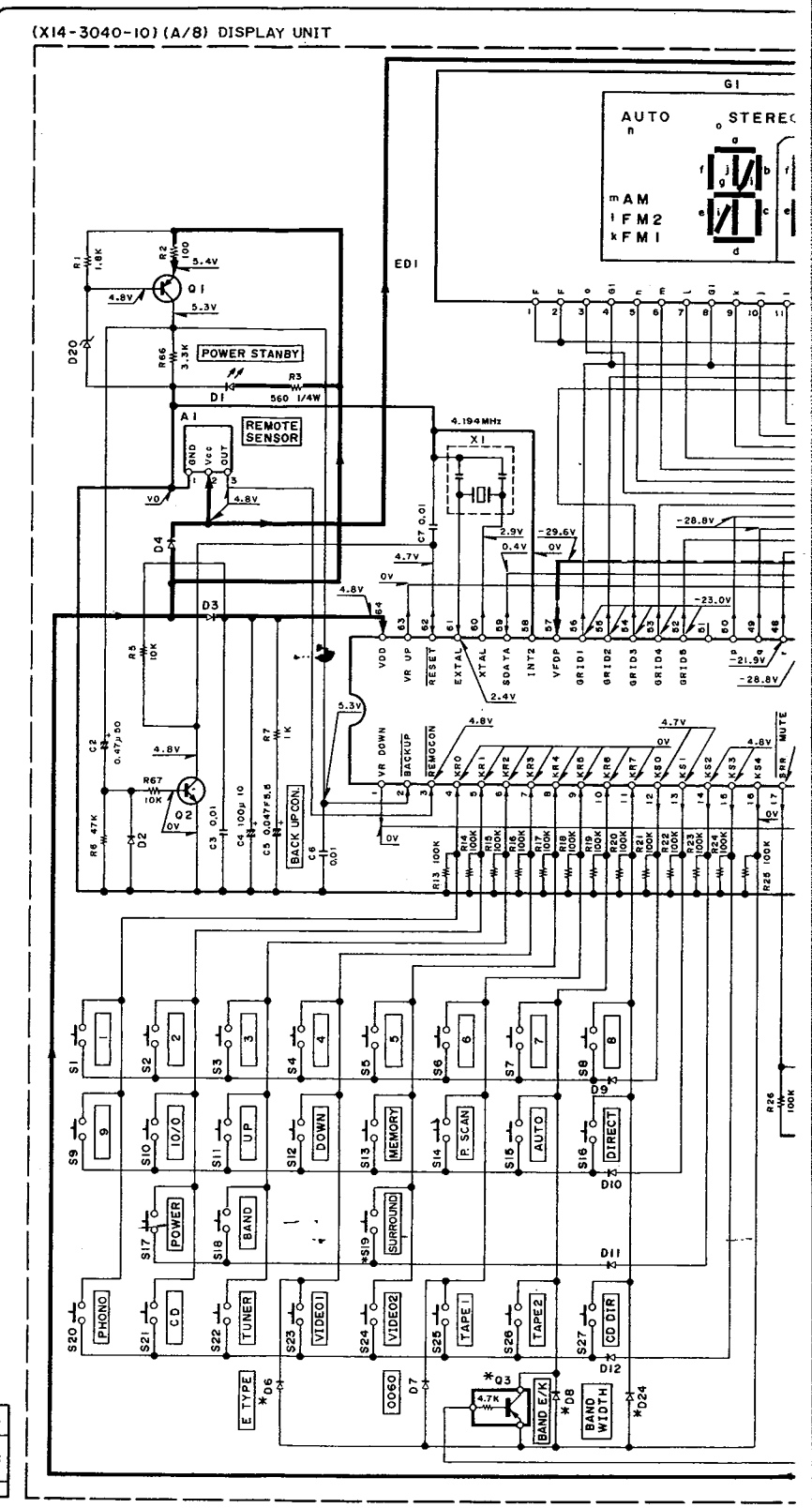

TA7812S

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.





W18, 33 34	W21, 22	L7~10	Q7	Q11, 12	R39~41 59,83,84	R13	R34	R35	R42	R60	R61, 62	R63, 64	R65~68
YES	NO	NO	NO	NO	NO	56	36K	15K	39K	YES	3.6K	39K	NO
YES	NO	NO	NO	YES	NO	56	36K	39K	39K	YES	3.6K	39K	YES
NO	YES	YES	YES	NO	YES	22	47K	36K	47K	NO	3.3K	3.3K	NO

(X14-304X-XX)(A/8)

A1 : W02-1046-05
or W02-0975-05

EDI : CF1036C

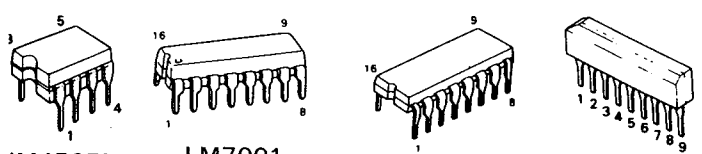
IC1 : CXP5016-526S

Q1,12 : 2SA933S(Q,R)
or 2SA1048(Y,GR)
Q2 : 2SC1740S(Q,R)
or 2SC2458(Y,GR)
Q3 : DTA143TS or RN2210
Q13 : DTC124ES or RN1203

D1,19 : B30-1291-05
D2~4,6~18,21,22,24 : HSS104 or 1SS133
D5 : HZS8.2N(B2)
or RD8.2ES(B2)
D20 : HZS4.7N(B2)
or RD4.7ES(B2)

(X14-3040-10)(A/8)

DESTINATION	Ref NO.	Q3	Q12 13	D6,8	D21, 22	D24	R64	R68, 69	C8	S19
K,P	0-10	NO	YES	NO	YES	YES	NO	YES	YES	YES
Y	2-91	YES				NO	YES	YES	NO	
M	0-21						NO	NO		NO
E	2-71	NO	NO	YES	NO					

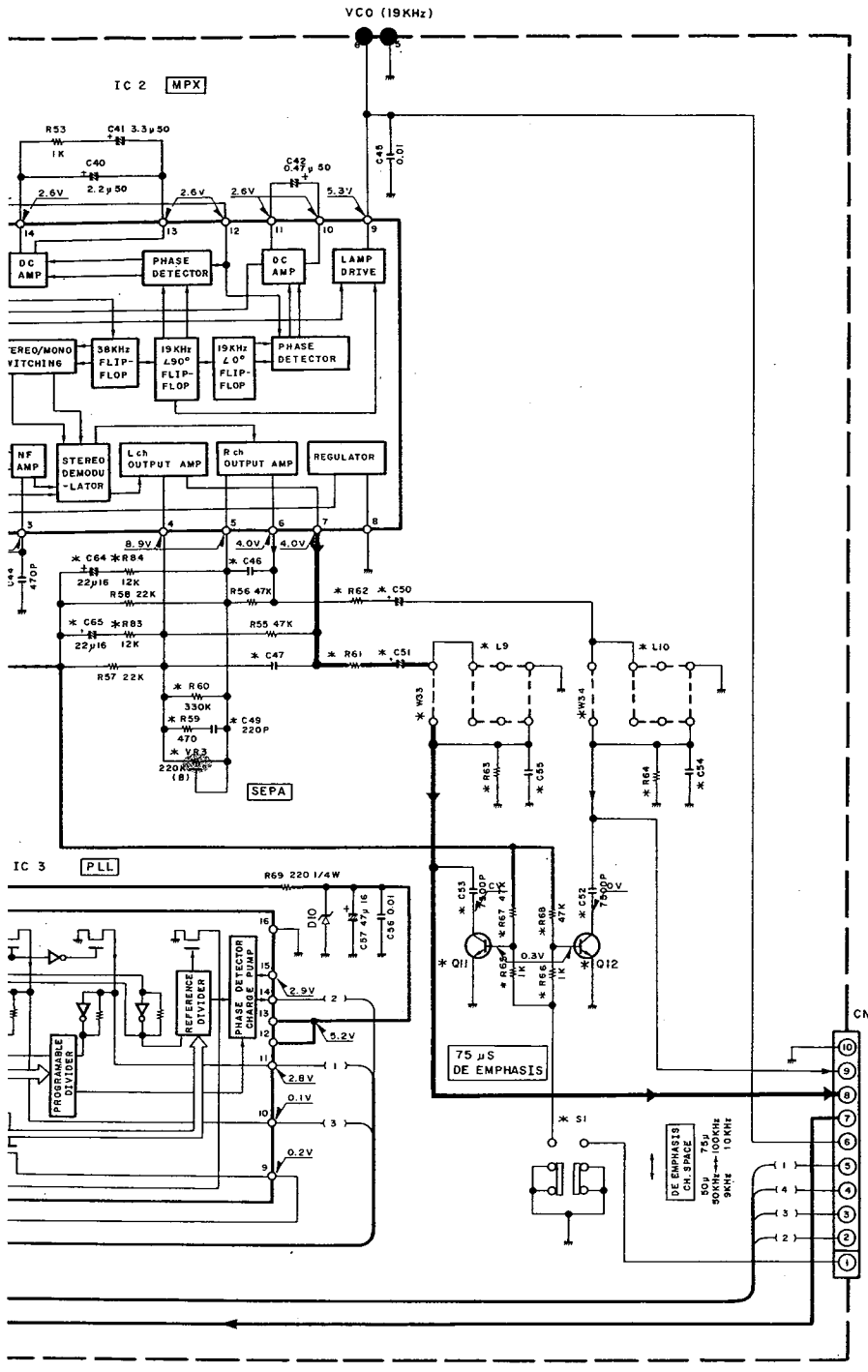


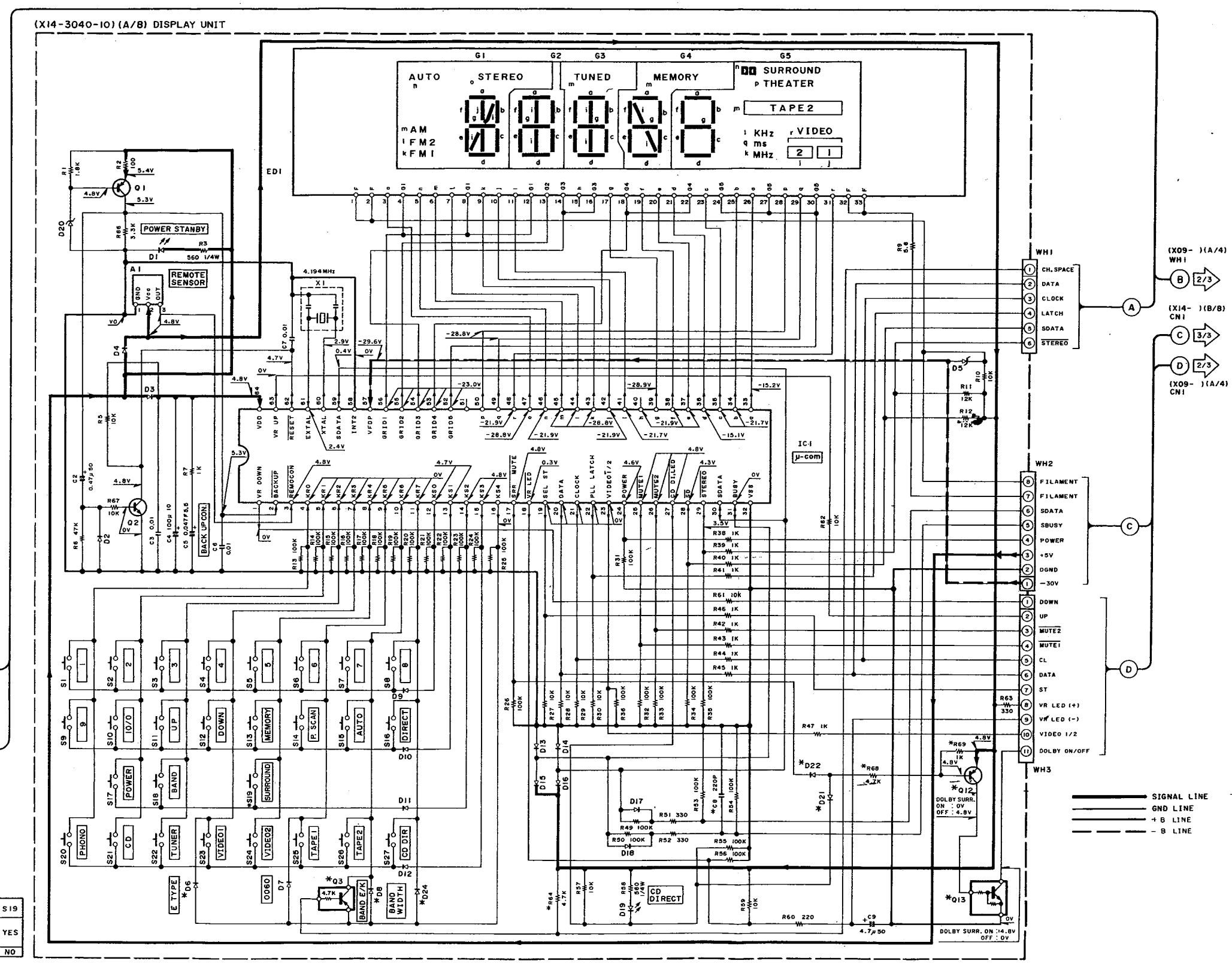
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

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.





IC1 : CXP5016-526S

Q1,12 : 2SA933S(Q,R) or 2SA1048(Y,GR)
Q2 : 2SC1740S(Q,R) or 2SC2458(Y,GR)
Q3 : DTA143TS or RN2210
Q13 : DTC124ES or RN1203

D1,19 : 830-1291-05
D2~4,6~18,21,22,24 : HSS104 or 1SS133
D5 : HZS8.2N(B2) or RD8.2ES(B2)
D20 : HZS4.7N(B2) or RD4.7ES(B2)

(X14-3040-10) (A/8)

Ref NO. / DESTINATION	Q3	Q12 13	D6,8	D21, 22	D24	R64	R68, 69	C8	S19
K, P	0-10	NO	YES	NO	YES	YES	NO	YES	NO	YES
Y	2-91	YES				NO	YES			
M	0-21				NO			NO		
E	2-71	NO	NO	YES	NO		NO	NO		NO

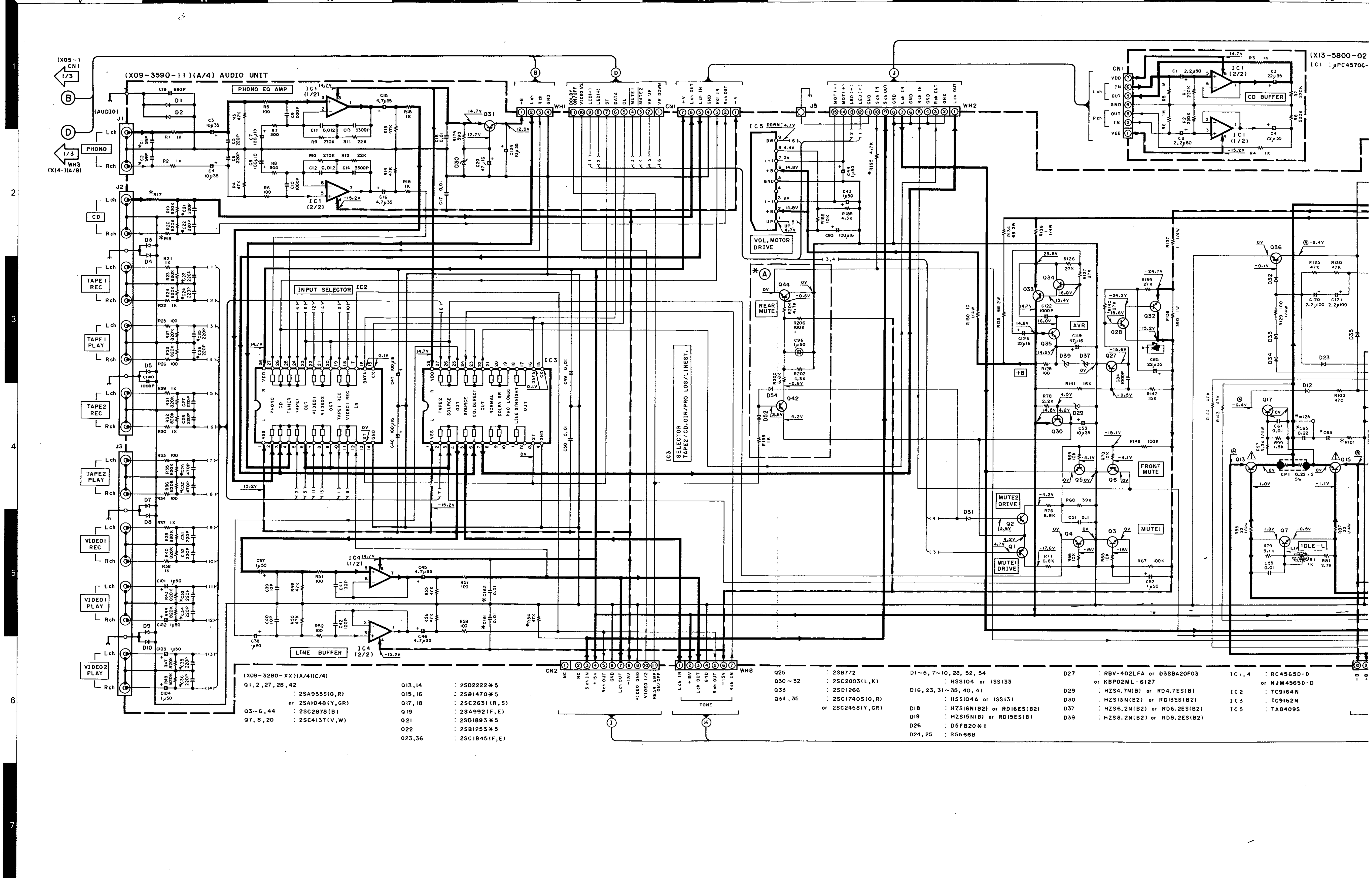
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

KR-V6040 (1/3)

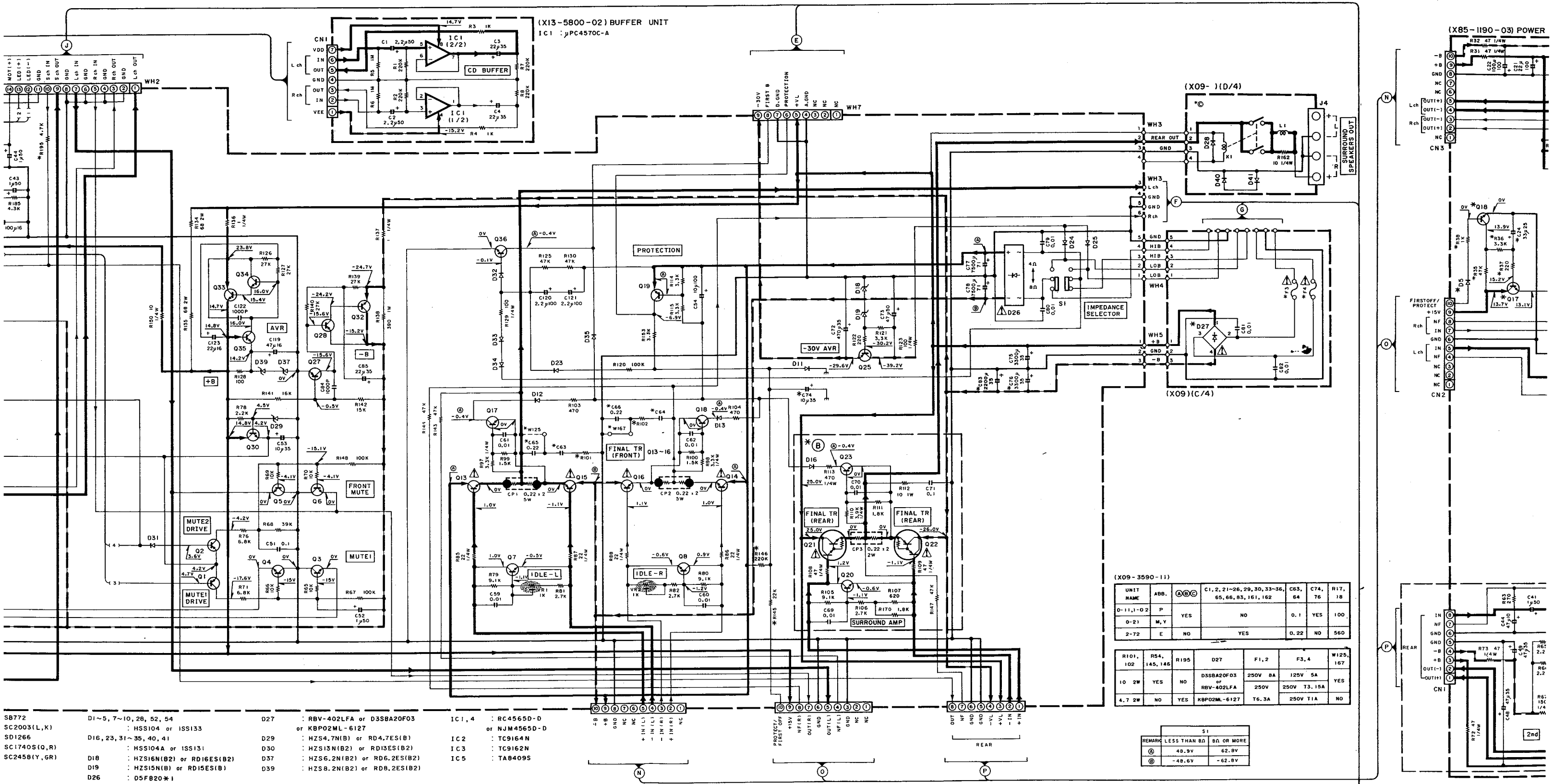
Y05-2620-11

KR-V6040

KENWOOD



(X09-3590-11)(A/4) AUDIO UNIT
(X13-5800-02
IC1 : μPC4570C-
PHONO EQ AMP
INPUT SELECTOR
LINE BUFFER
CD BUFFER
VOL, MOTOR DRIVE
REAR MUTE
FRONT MUTE
MUTE1
MUTE1 DRIVE
MUTE2 DRIVE
AVR
IDLE-L
IC3
SELECTOR
TAPE2/CD.DIR/PRO LOG/LINEST.
PHONO
CD
TAPE1 REC
TAPE1 PLAY
TAPE2 REC
TAPE2 PLAY
VIDEO1 REC
VIDEO1 PLAY
VIDEO2 PLAY
TONE
(X09-3280-XX)(A/4)(C/4)
Q1, 2, 27, 28, 42 : 2SA933S(Q,R)
or 2SA1048(Y,GR)
Q3~6, 44 : 2SC2878(B)
Q7, 8, 20 : 2SC4137(V,W)
Q13, 14 : 2SD2222*5
Q15, 16 : 2SB1470*5
Q17, 18 : 2SC2631(R,S)
Q19 : 2SA992(F,E)
Q21 : 2SD1893*5
Q22 : 2SB1253*5
Q23, 36 : 2SC1845(F,E)
Q25 : 2SB772
Q30~32 : 2SC2003(L,K)
Q33 : 2SD1266
Q34, 35 : 2SC1740S(Q,R)
or 2SC2458(Y,GR)
D1~5, 7~10, 28, 52, 54 : HSS104 or ISS133
D16, 23, 31~35, 40, 41 : HSS104A or ISS131
D18 : HZS16N(B2) or RD16ES(B2)
D19 : HZS15N(B) or RD15ES(B)
D26 : D5FB20*1
D24, 25 : S5566B
D27 : RBV-402LFA or D3SBA20F03
or KBP02ML-6127
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)
IC1, 4 : RC4565D-D
or NJM4565D-D
IC2 : TC9164N
IC3 : TC9162N
IC5 : TA8409S



(X09-3590-11)

UNIT NAME	ABB.	A B C	C1, 2, 21~26, 29, 30, 33~36, 65, 66, 83, 161, 162	C63, 64	C74, 76	R17, 18
0-11, 1-02	P	YES	NO	0.1	YES	100
0-21	M, Y					
2-72	E	NO	YES	0.22	NO	560

R101, 102	R54, 145, 146	R195	D27	F1, 2	F3, 4	W125, 167
10 2W	YES	NO	D3SBA20F03 or RBV-402LFA	250V 8A 250V	125V 5A 250V T3.15A	YES
4.7 2W	NO	YES	KBP02ML-6127	T6.3A	250V T1A	NO

	S1	
REMARK	LESS THAN 8Ω	8Ω OR MORE
Ⓐ	48.9V	62.8V
Ⓑ	-48.6V	-62.8V

SB772	D1~5, 7~10, 28, 52, 54	D27	: RBV-402LFA or D3SBA20F03 or KBP02ML-6127	IC1, 4	: RC4565D-D or NJM4565D-D
SC2003(L,K)	: HSS104 or 1SS133				
SD1266	D16, 23, 31~35, 40, 41	D29	: HZS4.7N(B) or RD4.7ES(B)	IC2	: TC9164N
SC1740S(Q,R)	: HSS104A or 1SS131	D30	: HZS13N(B2) or RD13ES(B2)	IC3	: TC9162N
SC2458(Y,GR)	D18 : HZS16N(B2) or RD16ES(B2)	D37	: HZS6.2N(B2) or RD6.2ES(B2)	IC5	: TA8409S
	D19 : HZS15N(B) or RD15ES(B)	D39	: HZS8.2N(B2) or RD8.2ES(B2)		
	D26 : D5F820*1				
	D24, 25 : S55668				

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
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parts list). ⚠ In
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shall be carried
the supply circu
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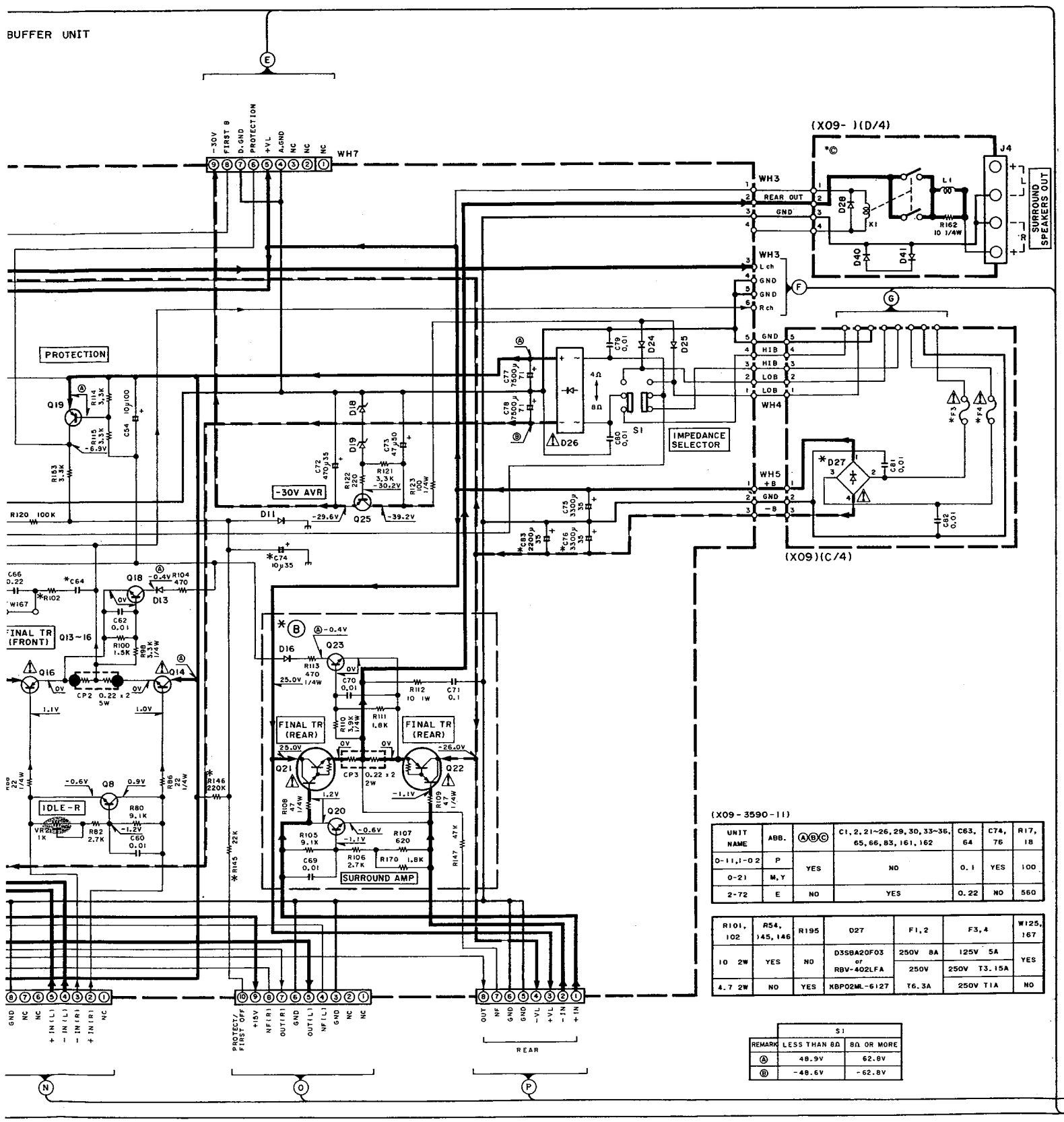

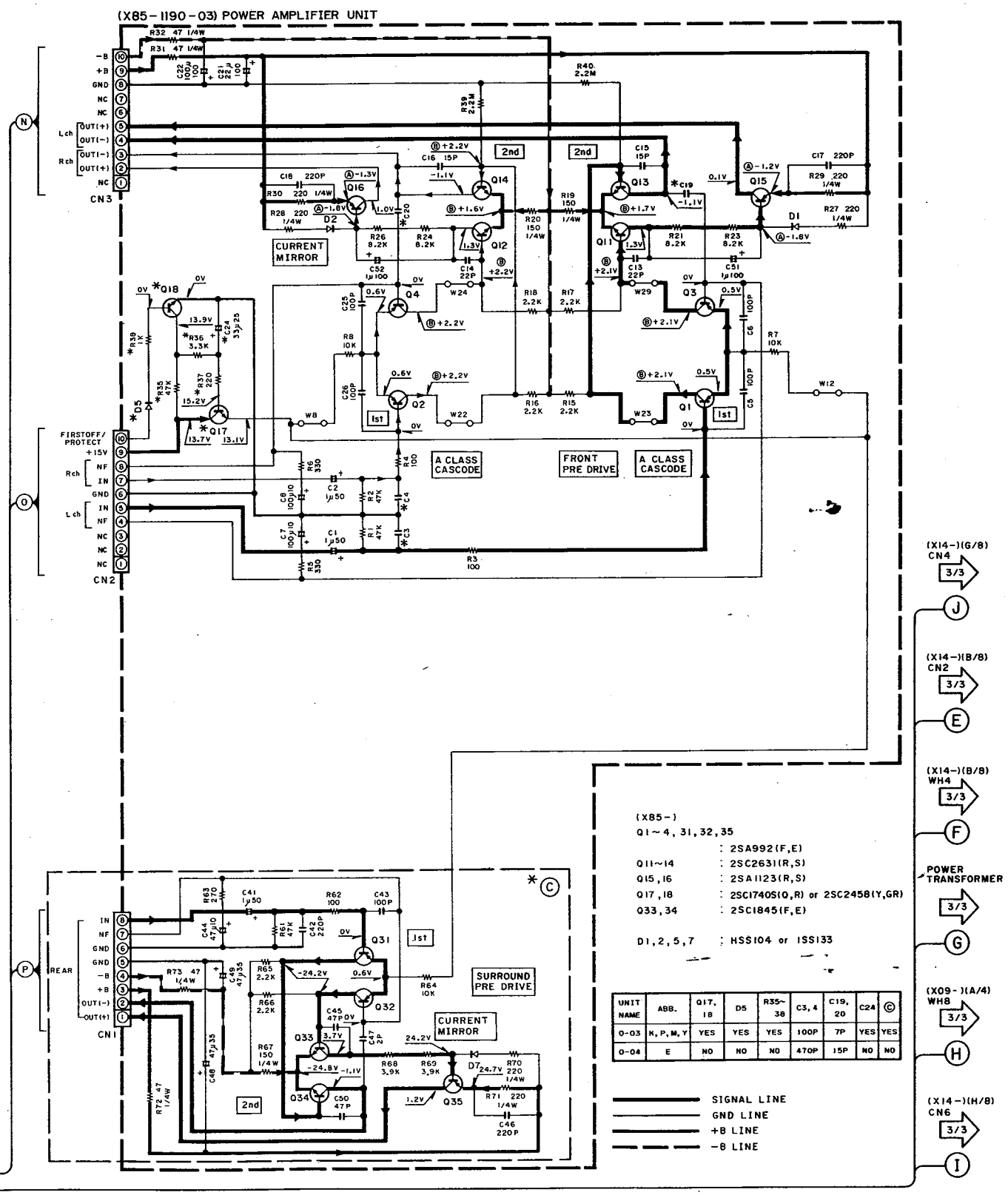

(X09-3590-11)

UNIT NAME	ABB.	ⒶⒷⒸ	C1,2,21~26,29,30,33~36,65,66,83,161,162	C63,64	C74,76	R17,18
0-11,1-02	P	YES	NO	0.1	YES	100
0-21	M,Y					
2-72	E	NO	YES	0.22	NO	560

R101,102	R54,145,146	R195	D27	F1,2	F3,4	W125,167
10 2W	YES	NO	D3SBA20F03 or RBV-402LFA	250V 8A	125V 5A	YES
				250V	250V T3.15A	
4.7 2W	NO	YES	KBP02ML-6127	T6.3A	250V T1A	NO

	S1	
REMARK	LESS THAN 8Ω	8Ω OR MORE
Ⓐ	48.9V	62.8V
Ⓑ	-48.6V	-62.8V

(X85-)
Q1~4, 31, 32, 35 : 2SA992(F,E)
Q11~14 : 2SC2631(R,S)
Q15,16 : 2SA1123(R,S)
Q17,18 : 2SC1740S(Q,R) or 2SC2458(Y,GR)
Q33,34 : 2SC1845(F,E)

D1,2,5,7 ; HSS104 or 1SS133

UNIT NAME	ABB.	Q17,18	D5	R35~38	C3,4	C19,20	C24	Ⓒ
0-03	K,P,M,Y	YES	YES	YES	100P	7P	YES	YES
0-04	E	NO	NO	NO	470P	15P	NO	NO

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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-V6040(K)(2/3)

Y05-2620-11

KR-V6040

KENWOOD

IC 2 : μPC1237HA
IC 3 : RC4565D-D or NJM4565D-D
IC 4 : NJM2244L
IC 5 : LM3364-15
IC 6 : LV1000N
IC 7 : μPC7812HF or TA7812S

Q5,6 : 2SC2003(L,K)
Q7 : 2SD1302(S,T)
Q9 : 2SA933S(Q,R) or 2SA1048(Y,GR)
Q10 : 2SC1740S(Q,R) or 2SC2458(Y,GR)
Q11 : 2SC3940A(R,S)

D31~37,41,48,61,62 : ISS133 or HSS104
D40 : HZS6.2N(B2) or RD6.2ES(B2)
D44 ~ 47 : S5688B or ISR139-100
D64 : HZS8.2N(B2) or RD8.2ES(B2)
D63 : HZS11N(B2) or RD11ES(B2)
D65 : HZS5.6N(B2) or RD5.6ES(B2)

DESTINATION		UNIT NAME	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	W8	W17	W18	WH14, 15, 16	WH17	R98	R129, 137, 138	R131, 132, 135, 136, 139, 140	C23, 24, 150	C75~78	C27
COUNTRY	ABB.																		
USA CANADA	K P	X14-3040-10	YES	NO	YES	YES	NO	YES	YES	NO	YES	YES	NO	YES	YES	NO	NO	NO	YES
PX	Y	X14-3042-91	NO	YES	YES	YES	NO	YES	NO	NO	YES	YES	NO	NO	YES	NO	NO	NO	YES
GENERAL MARKET	M	X14-3040-21	NO	YES	YES	YES	NO	YES	NO	NO	YES	YES	NO	NO	YES	NO	NO	NO	YES
EUROPE	E	X14-3042-71	YES	NO	NO	NO	YES	NO	YES	YES	NO	NO	YES	NO	NO	YES	YES	YES	NO

J3	J4	J5	F1	F2
YES	NO	YES	125V 5A	NO
YES	NO	NO	250V T2.5A	YES
NO	YES	NO	250V T2.5A	YES
NO	YES	NO	250V T2.5A	YES

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). ⚠ 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.

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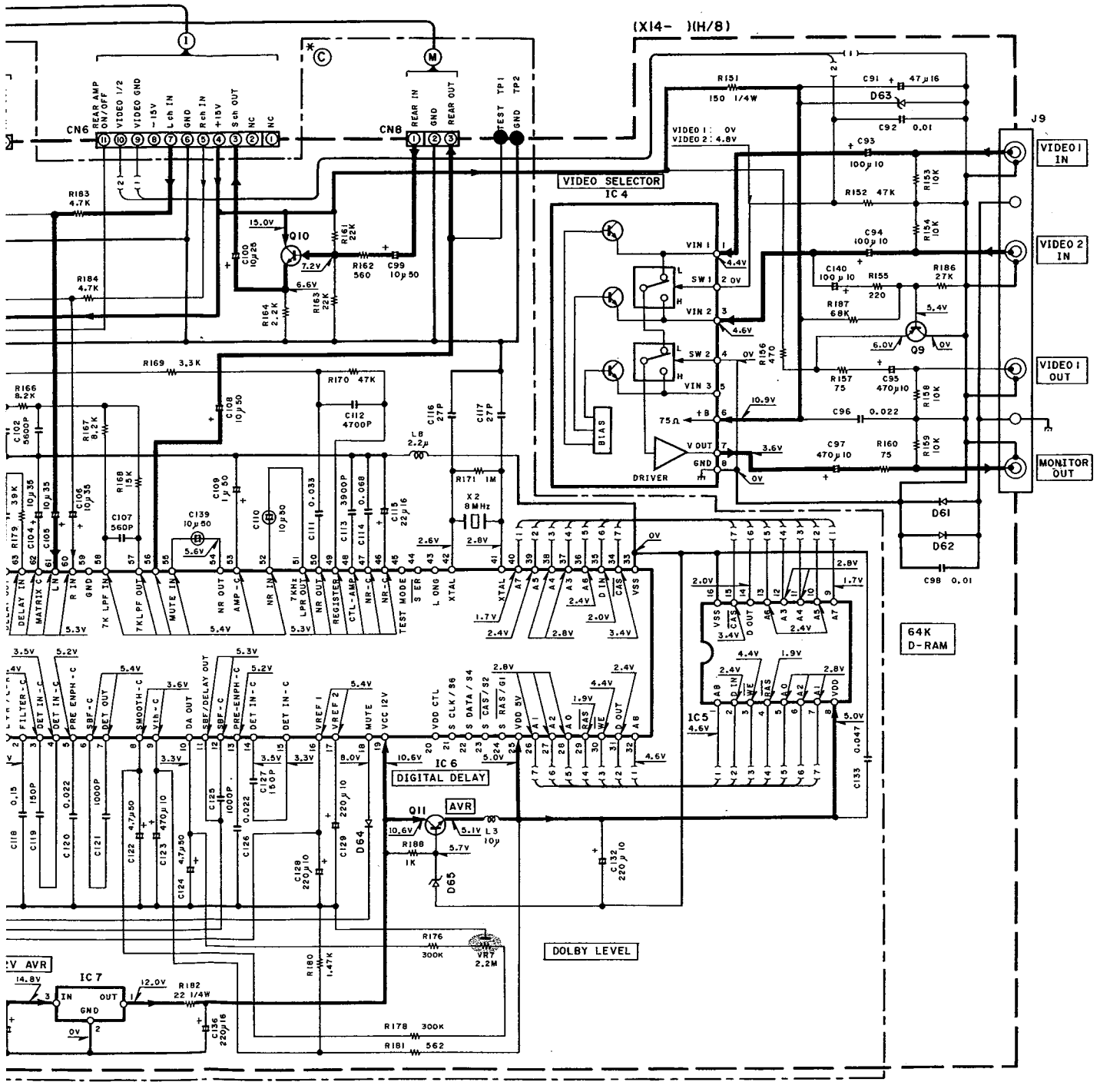
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

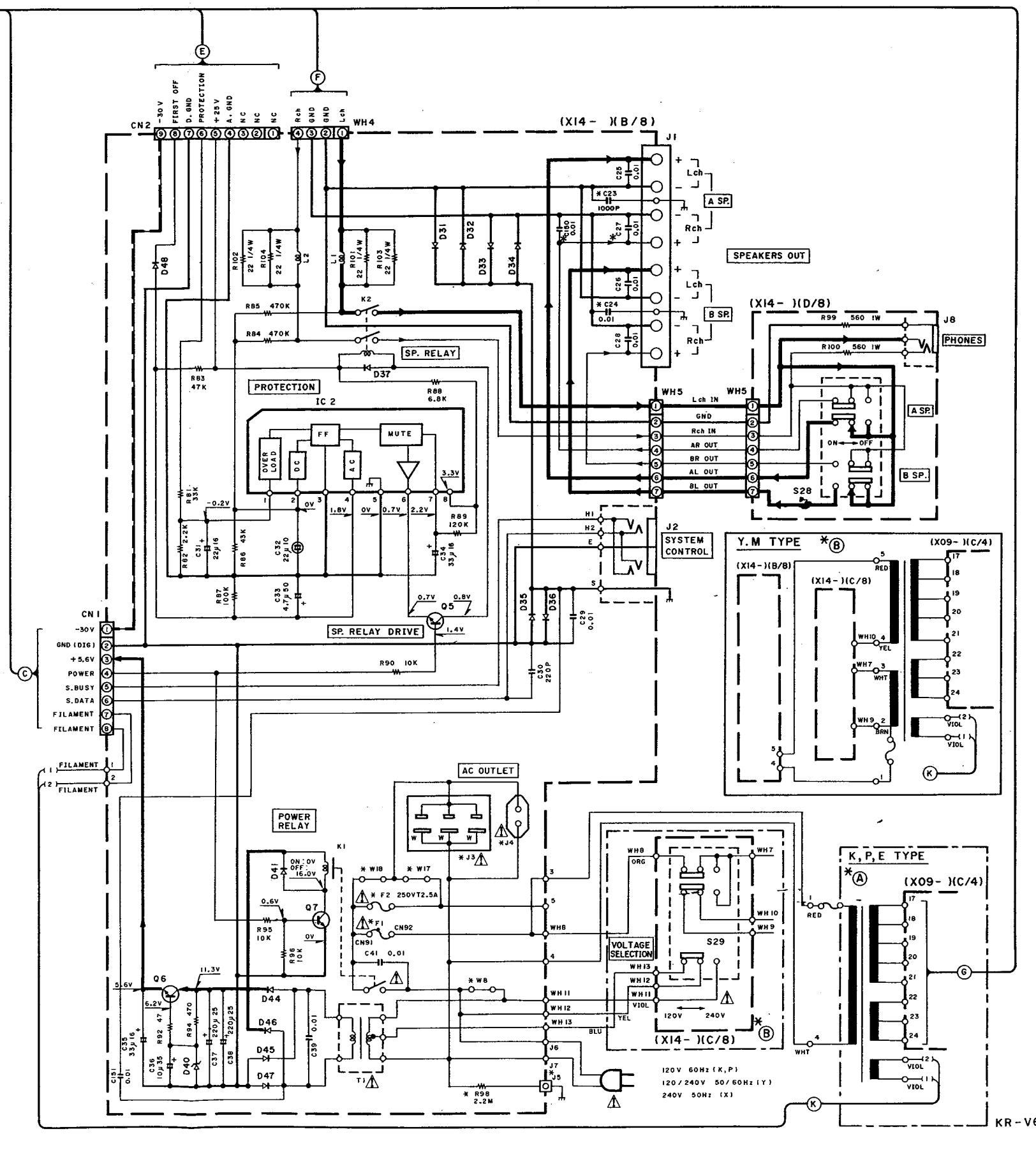
Die angegebenen Gleichspann
hochohmigen Spannungsmess
ken die Meßwerte aufgrund vo
zelnen Instrumenten oder Gerät

DESTINATION		UNIT NAME	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	W8	W17	W18	WH14, 15, 16	WH17	R98	R129, 137, 138	R131, 132, 135, 136, 139, 140	C23, 24, 150	C75~78	C27
COUNTRY	ABB.																		
USA CANADA	K P	X14-3040-10	YES	NO	YES	YES	NO	YES	YES	NO	YES	YES	NO	YES	YES	NO	NO	NO	YES
PX	Y	X14-3042-91	NO	YES	YES	YES	NO	YES	NO	NO	YES	YES	NO	NO	YES	NO	NO	NO	YES
GENERAL MARKET	M	X14-3040-21	NO	YES	YES	YES	NO	YES	NO	NO	YES	YES	NO	NO	YES	NO	NO	NO	YES
EUROPE	E	X14-3042-71	YES	NO	NO	NO	YES	NO	YES	YES	NO	NO	YES	NO	NO	YES	YES	YES	NO

J3	J4	J5	F1	F2
YES	NO	YES	125V 5A	NO
YES	NO	NO	250V T2.5A	YES
NO	YES	NO	250V T2.5A	YES
NO	YES	NO	250V T2.5A	YES

1, 62 : ISSI33 or HSSI04
: HZS6.2N(B2) or RD6.2ES(B2)
: S5688B or ISRI39-100
: HZS8.2N(B2) or RD8.2ES(B2)
: HZS11N(B2) or RD11ES(B2)
: HZS5.6N(B2) or RD5.6ES(B2)





KR-V6040 (K) (3/3)

ıed safety, replace safety critical compo-facturer's recommended parts (refer to safety critical components. To reduce the ıkage-current or resistance measurements ɔosed parts are acceptably insulated from e the appliance is returned to the custom-

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

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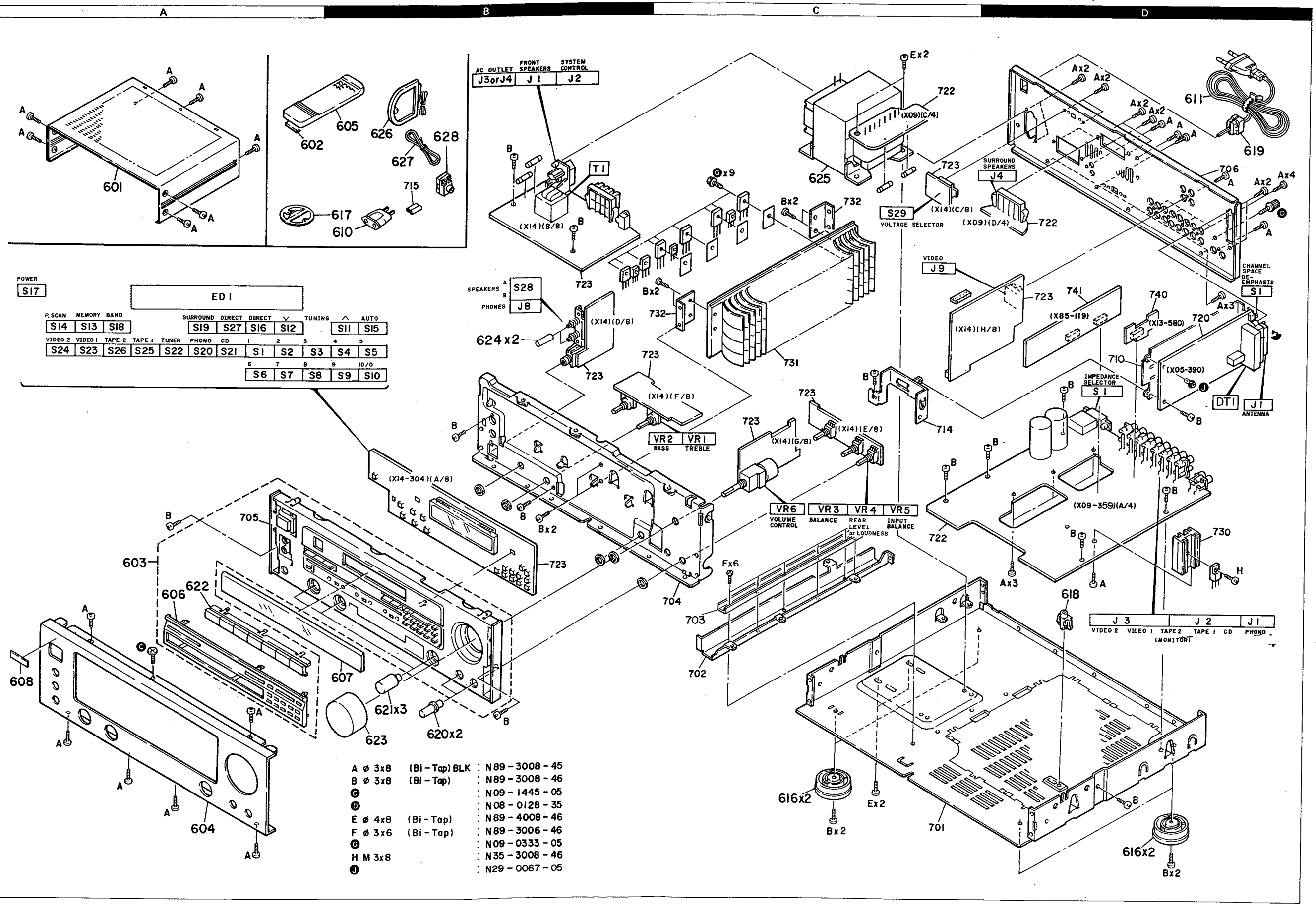
Y05-2620-11

KR-V6040

KENWOOD

KR-V6040 KR-V

EXPLODED VIEW



A	ø 3x8	(Bi-Tap) BLK	: N89-3008-45
B	ø 3x8	(Bi-Tap)	: N89-3008-46
C			: N09-1445-05
D			: N08-0128-35
E	ø 4x8	(Bi-Tap)	: N89-4008-46
F	ø 3x6	(Bi-Tap)	: N89-3006-46
G			: N09-0333-05
H	M 3x8		: N35-3008-46
J			: N29-0067-05

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

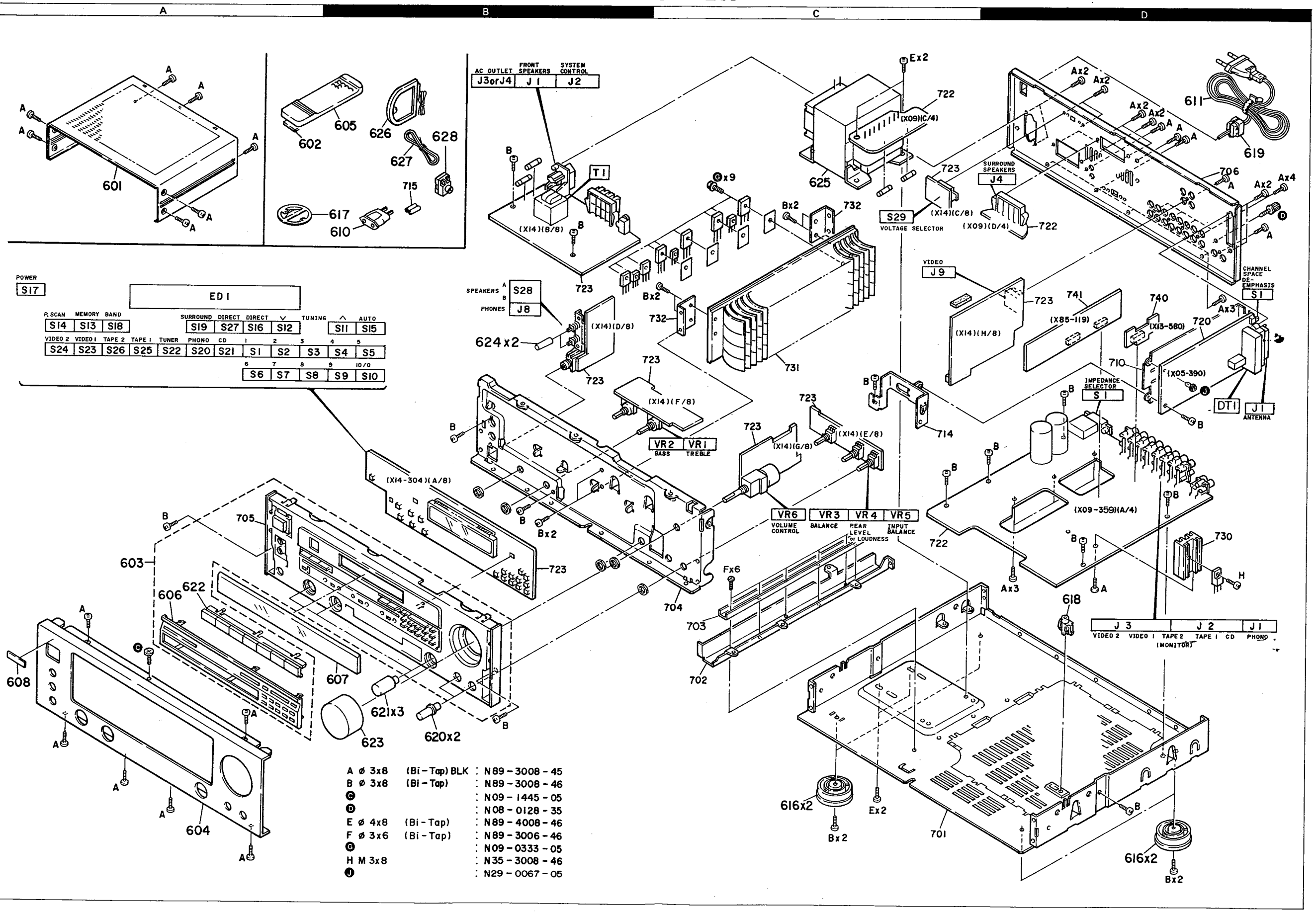
Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名/規格	Destination 仕向	Remarks 備考

No.2

No.1

KR-V6040 KR-V

EXPLODED VIEW



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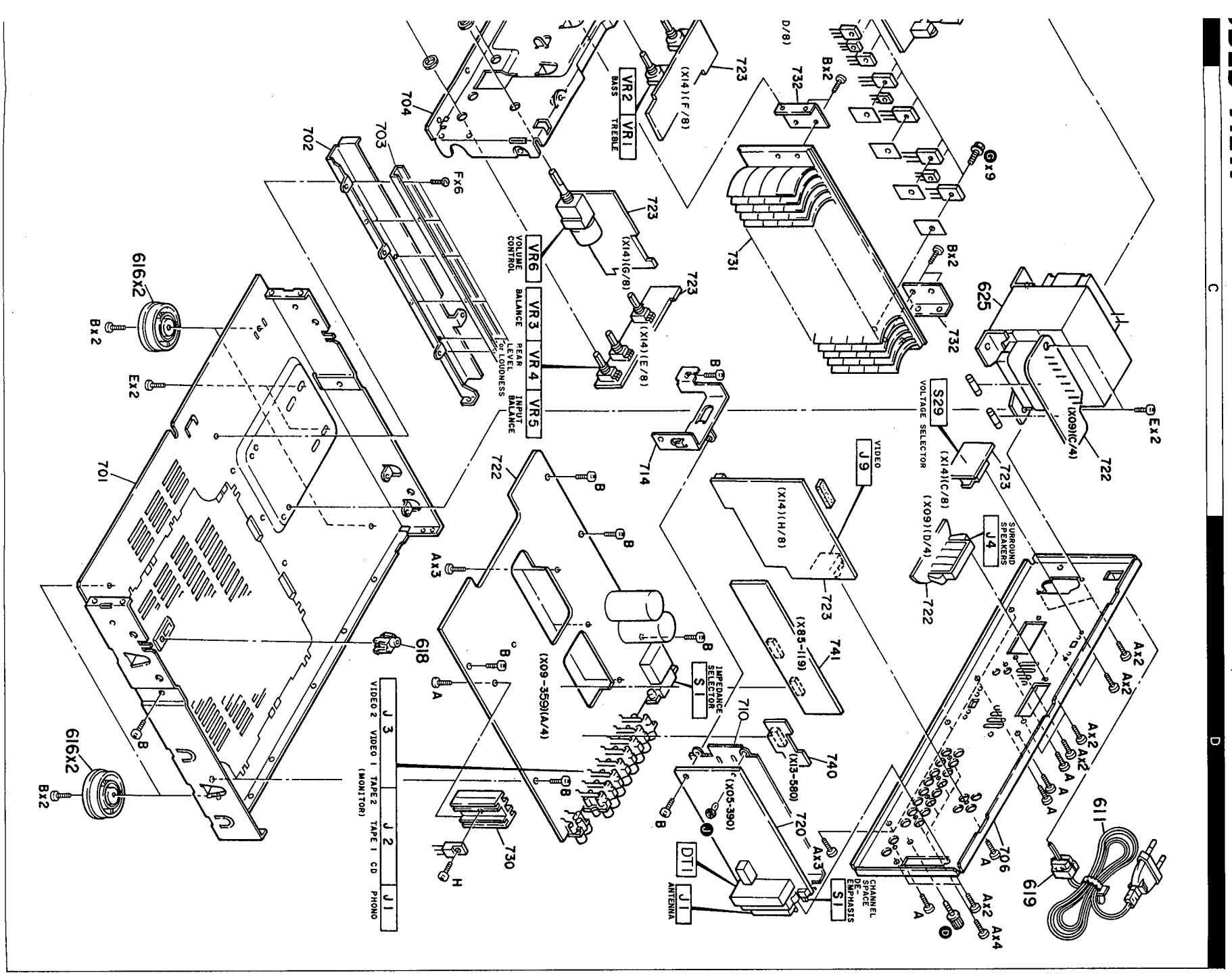
Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考

EXPLODED VIEW



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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-V6040			
601	1A	*	A01-1829-11	METALLIC CABINET		
602	1A	*	A09-0128-08	BATTERY COVER		
603	2A	*	A22-1550-01	SUB PANEL ASSY	KPYM	S
603	2A	*	A22-1551-01	SUB PANEL ASSY	E	S
604	3A	*	A60-0186-02	PANEL	KPYM	
604	3A	*	A60-0187-02	PANEL	E	
605	1B	*	A70-0584-05	REMOTE CONTROLLER ASSY		
606	2A	*	B07-2207-02	ESCUTCHEON	KPYM	S
606	2A	*	B07-2208-02	ESCUTCHEON	E	S
607	3B		B10-1844-03	FRONT GLASS		
608	3A		B43-0287-04	KENWOOD BADGE		
-			B46-0092-13	WARRANTY CARD	K	
-			B46-0094-03	WARRANTY CARD	Y	
-			B46-0095-03	WARRANTY CARD	Y	
-			B46-0121-13	WARRANTY CARD	P	
-			B46-0122-23	WARRANTY CARD	E	
-			B46-0197-00	QUESTIONAIRE CARD	K	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-		*	B60-0762-00	INSTRUCTION MANUAL(SPA,CHI)	M	S
-		*	B60-0763-00	INSTRUCTION MANUAL(ENGLISH)		S
-		*	B60-0764-00	INSTRUCTION MANUAL(FRENCH)	PE	S
-		*	B60-0765-00	INSTRUCTION MANUAL(GER,DUT)	E	S
-		*	B60-0766-00	INSTRUCTION MANUAL(SPA,CHI)	M	S
⚠ 610	1B		E03-0115-05	AC PLUG ADAPTOR	M	
⚠ 611	1D		E30-0459-05	AC POWER CORD	ME	
⚠ 611	1D		E30-0812-05	AC POWER CORD	Y	
⚠ 611	1D		E30-2209-05	AC POWER CORD	KP	S
-		*	H10-5267-02	POLYSTYRENE FOAMED FIXTURE		S
-		*	H10-5268-02	POLYSTYRENE FOAMED FIXTURE		S
-			H25-0225-04	PROTECTION BAG (850X450X0.03)		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H50-0252-04	ITEM CARTON CASE	KPY	S
-		*	H50-0253-04	ITEM CARTON CASE	E	S
-		*	H50-0311-04	ITEM CARTON CASE	M	S
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(REAR LEVEL,INPUT BALANCE)		
621	3B		K29-3894-04	KNOB(BASS,TREBLE,BALANCE)		
622	2A		K29-4109-02	KNOB(INPUT SELECTOR)		S
623	3B		K29-4110-04	KNOB(VOLUME CONTROL)		
624	2B		K27-2024-04	KNOB(SPEAKERS A,B)		S
⚠ 625	1C		L07-0039-05	POWER TRANSFORMER	K	
⚠ 625	1C		L07-0040-05	POWER TRANSFORMER	YM	S
⚠ 625	1C		L07-0127-05	POWER TRANSFORMER	P	
⚠ 625	1C		L07-0272-05	POWER TRANSFORMER	E	S
A	1A,1D		N89-3008-45	BINDING HEAD TAPTITE SCREW		
B	2B,2D		N89-3008-46	BINDING HEAD TAPTITE SCREW		
C	3A		N09-1445-05	SET SCREW (M3X8)		

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

S: SINGAPORE MADE

⚠ indicates safety critical components.

* New Parts
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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
D	1D		N08-0128-35	BINDING POST (GND)		
E	1C		N89-4008-46	BINDING HEAD TAPTITE SCREW		
F	2C		N89-3006-46	BINDING HEAD TAPTITE SCREW		
J	2D		N29-0067-05	PUSH RIVET (3.5X4.5)		
626	1B		T90-0174-05	LOOP ANTENNA		
627	1B		T90-0175-05	T TYPE ANTENNA		
628	1B	*	T90-0185-05	ANTENNA ADAPTOR	E	
			TUNER UNIT (X05-3900-10)(X05-4242-70)			
C1			CE04LW1H010M	ELECTRO 1.0UF 50WV		S
C2			CE04LW1C470M	ELECTRO 47UF 16WV		
C3			CF92FV1H273J	MF 0.027UF J		
C4			CE04LW1H010M	ELECTRO 1.0UF 50WV		S
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		*	CF92FM1H153J	MF 0.015UF J	E	
C25			CF92FV1H153J	MF 0.015UF J	KPYM	
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	E	
C35			CC45FSL1H121J	CERAMIC 120PF J	E	
C36			CC45FSL1H271J	CERAMIC 270PF J	E	
C37			CQ92FM1H152J	MYLAR 1500PF J	E	
C38			CQ92FM1H132J	MYLAR 1300PF J	E	
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	E	
C48			CE04LW1C101M	ELECTRO 100UF 16WV		
C49			CC45FSL1H221J	CERAMIC 220PF J	E	
C50 ,51			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPYM	S
C50 ,51			CE04LW1H2R2M	ELECTRO 2.2UF 50WV	E	
C52 ,53			CF92FV1H752J	MF 7500PF J	YM	
C54 ,55			CF92FV1H153J	MF 0.015UF J	YM	
C54 ,55			CF92FV1H223J	MF 0.022UF J	KP	

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

S: SINGAPORE MADE

⚠ indicates safety critical components.

× New Parts
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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
C54 ,55			CQ92FM1H472J	MYLAR 4700PF J	E	
C56			CK45FF1H103Z	CERAMIC 0.010UF Z		
C57			CE04LW1C470M	ELECTRO 47UF 16WV		
C58 ,59			CC45FCH1H220J	CERAMIC 22PF J		
C60 -62			CC45FSL1H101J	CERAMIC 100PF J		
C63			CK45FF1H103Z	CERAMIC 0.010UF Z	KPYM	
C63			C91-0769-05	CERAMIC 0.01UF K	E	
C64 ,65			CE04LW1C220M	ELECTRO 22UF 16WV	E	
C66			CK45F1H103Z	CERAMIC 0.010UF Z	YM	
J1	2D		E20-0321-05	LOCK TERMINAL BOARD(ANTENNA)	E	
J1	2D		E20-0476-05	LOCK TERMINAL BOARD(ANTENNA)	KPYM	
CF1 ,2			L72-0531-05	CERAMIC FILTER	KPYM	
CF1 ,2			L72-0536-05	CERAMIC FILTER	E	
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(DISCRIMINATOR)	KP	
L6			L30-0483-05	FM IFT(DISCRIMINATOR)	E	
L6			L30-0494-05	FM IFT(DISCRIMINATOR)	YM	
L7			L40-5625-29	SMALL FIXED INDUCTOR(5.6mH,J)	E	
L8			L40-6825-29	SMALL FIXED INDUCTOR(6.8mH,J)	E	
L9 ,10			L79-0790-05	LC FILTER	E	
L11			L30-0448-05	FM IFT	E	
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 T-LEVEL)	KPYM	
VR1			R12-3687-05	TRIMMING POT(33K)(FM T-LEVEL)	E	
VR2			R12-1089-05	TRIMMING POT(4.7K)(VCO)	KPYM	
VR2			R12-1619-05	TRIMMING POT(4.7K)(VCO)	E	
VR3			R12-5652-05	TRIMMING POT(220K)(SEPARATION)	E	
VR4			R12-3126-05	TRIMMING POT(10K)(AM T-LEVEL)	KPYM	
VR4			R12-3685-05	TRIMMING POT(10K)(AM T-LEVEL)	E	
S1	2D		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	E	
D13			1SS133	DIODE	E	
IC1			LA1265	IC(FM/AM TUNER)		
IC2			AN7470	IC(FM MPX)		
IC3			LM7001	IC(PLL FREQUENCY SYNTHESIZER)		
Q1			2SC1923(R,S)	TRANSISTOR		
Q3			2SC1740S(Q,R)	TRANSISTOR		
Q3			2SC945(A)(Q,P)	TRANSISTOR		
Q4			2SC1845(F,E)	TRANSISTOR		

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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
Q7			2SC1740S(Q,R)	TRANSISTOR	E	
Q7			2SC2785(F,E)	TRANSISTOR	E	
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	
DT1	2D		W02-1042-15	FM FRONT-END ASSY	KPYM	
DT1	2D	*	W02-1143-05	FM FRONT-END ASSY	E	
AUDIO UNIT (X09-3590-11)						
C1 ,2			CC45FSL1H390J	CERAMIC 39PF J	E	
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	E	
C22 -24			C91-0749-05	CERAMIC 220PF K	E	
C25 ,26			CC45FSL1H221J	CERAMIC 220PF J	E	
C27 ,28			CC45FSL1H221J	CERAMIC 220PF J		
C29 ,30			C91-0753-05	CHIP C 470PF K	E	
C31 ,32			C91-0749-05	CERAMIC 220PF K		
C33 -36			C91-0749-05	CERAMIC 220PF K	E	
C37			CE04LW1H010M	ELECTRO 1.0UF 50WV		S
C38			CE04JW1H010M	ELECTRO 1.0UF 50WV		
C39 ,40			CC45FSL1H100D	CERAMIC 10PF D		
C41 ,42			CC45FSL1H101J	CERAMIC 100PF J		
C43 ,44			CE04LW1H010M	ELECTRO 1.0UF 50WV		S
C45			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C46			CE04JW1V4R7M	ELECTRO 4.7UF 35WV		
C47 ,48			CE04LW1C101M	ELECTRO 100UF 16WV		
C49 ,50			CK45FF1H103Z	CERAMIC 0.010UF Z		
C51			CF92FV1H104J	MF 0.10UF J		
C52			CE04LW1H010M	ELECTRO 1.0UF 50WV		S
C53			CE04LW1V100M	ELECTRO 10UF 35WV		
C54			CE04LW2A100M	ELECTRO 10UF 100WV		S
C59 -62			CK45FF1H103Z	CERAMIC 0.010UF Z		
C63 ,64			CF92FV1H104J	MF 0.10UF J	KPYM	
C63 ,64			CF92FV1H224J	MF 0.22UF J	E	
C65 ,66			CF92FV1H224J	MF 0.22UF J	E	
C69 ,70			CK45FF1H103Z	CERAMIC 0.010UF Z	KPYM	
C71			CF92FV1H104J	MF 0.10UF J	KPYM	
C72			CE04LW1V471M	ELECTRO 470UF 35WV		
C73			CE04LW1H470M	ELECTRO 47UF 50WV		
C74			CE04LW1V100M	ELECTRO 10UF 35WV	KPYM	
C75			CE04LW1V332M	ELECTRO 3300UF 35WV		
C76			CE04LW1V332M	ELECTRO 3300UF 35WV	KPYM	
C77 ,78			C90-1870-05	ELECTRO 7500UF 71WV		
C79 -82			CK45FF1H103Z	CERAMIC 0.010UF Z		
C83			CE04LW1V222M	ELECTRO 2200UF 35WV	E	

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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
C84			CK45FB1H102K	CERAMIC 1000PF K		
C85			CE04LW1V220M	ELECTRO 22UF 35WV		
C93			CE04LW1C101M	ELECTRO 100UF 16WV		
C96			C90-1349-05	NP-ELEC 1UF 50WV		
C101-104			CE04LW1H010M	ELECTRO 1.0UF 50WV		S
C119			CE04LW1C470M	ELECTRO 47UF 16WV		
C120,121			CE04LW2A2R2M	ELECTRO 2.2UF 100WV		S
C122			CK45FB1H102K	CERAMIC 1000PF K		
C123			CE04LW1C220M	ELECTRO 22UF 16WV		
C124			CE04LW1V100M	ELECTRO 10UF 35WV		
C140			C91-0757-05	CERAMIC 1000PF K		
C161,162			CK45FF1H103Z	CERAMIC 0.010UF Z	E	
J1	3D		E13-0255-05	PHONO JACK(PHONO)		
J2 ,3	3D		E13-0820-05	PHONO JACK(CD,TAPE,VIDEO I/O)		
J4	1D		E20-0459-05	LOCK TERMINAL BOARD(SURR.SP.)	KPYM	
⚠ F3 ,4			F04-5022-05	FUSE (UL) (125V 5A UL)	KP	
⚠ F3 ,4			F05-3121-05	FUSE (SEMKO) (250V T3.15A)	YM	
⚠ F3 ,4			F06-1022-05	FUSE (SEMKO) (250V T1A)	E	
CN11-14			J13-0041-05	FUSE CLIP	P	
CN11-18			J13-0075-05	FUSE CLIP	YME	
CN15-18			J13-0075-05	FUSE CLIP	KP	
L1			L39-0085-05	PHASE-COMPENSATION COIL	KPYM	
A	2D		N89-3008-45	BINDING HEAD TAPTITE SCREW		
B	2D		N89-3008-46	BINDING HEAD TAPTITE SCREW		
G	1C		N09-0333-05	TAPPING SCREW (3X12)		
H	2D		N35-3008-46	BINDING HEAD MACHIN SCREW		
CP1 ,2			R90-0840-05	COMPOSITE ELEMENTS		
CP3			R90-0840-05	COMPOSITE ELEMENTS	KPYM	
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	KPYM	
R101,102			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W	E	
R108,109			RD14NB2E470J	RD 47 J 1/4W	KPYM	
R110			RD14NB2E392J	RD 3.9K J 1/4W	KPYM	
R112			RS14KB3A100J	FL-PROOF RS 10 J 1W	KPYM	
R123			RD14NB2E101J	RD 100 J 1/4W		
R129			RD14NB2E101J	RD 100 J 1/4W		
R134,135			RS14KB3D680J	FL-PROOF RS 68 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		
VR1 ,2			R12-1616-05	TRIMMING POT(1K)(IDLE CURRENT)		
S1	2D		S31-2136-05	SLIDE SWITCH (IMPEDANCE SEL.)		
D1 -5			HSS104	DIODE		
D1 -5			1SS133	DIODE		
D7 -10			HSS104	DIODE		
D7 -10			1SS133	DIODE		
D11 -13			HSS104A	DIODE		
D11 -13			1SS131	DIODE		
D16			HSS104A	DIODE	KPYM	
D16			1SS131	DIODE	KPYM	

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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
D18			HZS16N(B2)	ZENER DIODE		
D18			RD16ES(B2)	ZENER DIODE		
D19			HZS15N(B)	ZENER DIODE		
D19			RD15ES(B)	ZENER DIODE		
D23			HSS104A	DIODE	KPYM	
D23			1SS131	DIODE	KPYM	
D24 ,25			S5566B	DIODE		
⚠ D26			D5FB20*1	DIODE		
⚠ D27			D3SBA20F03	DIODE	KPYM	
⚠ D27			KBP02ML-6127	DIODE	E	
⚠ D27			RBV-402LFA	DIODE	KPYM	
D28			HSS104	DIODE	KPYM	
D28			1SS133	DIODE	KPYM	
D29			HZS4.7N(B)	ZENER DIODE		
D29			RD4.7ES(B)	ZENER DIODE		
D30			HZS13N(B2)	ZENER DIODE		
D30			RD13ES(B2)	ZENER DIODE		
D31 -35			HSS104A	DIODE		
D31 -35			1SS131	DIODE		
D37			HZS6.2N(B2)	ZENER DIODE		
D37			RD6.2ES(B2)	ZENER DIODE		
D39			HZS8.2N(B2)	ZENER DIODE		
D39			RD8.2ES(B2)	ZENER DIODE		
D40 ,41			HSS104A	DIODE	KPYM	
D40 ,41			1SS131	DIODE	KPYM	
D52			HSS104	DIODE	KPYM	
D52			1SS133	DIODE	KPYM	
D54			HSS104	DIODE	KPYM	
D54			1SS133	DIODE	KPYM	
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	KPYM	
⚠ Q21			2SD1893*5	TRANSISTOR	KPYM	
⚠ Q22			2SB1253*5	TRANSISTOR	KPYM	
Q23			2SC1845(F,E)	TRANSISTOR	KPYM	
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		

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Q36			2SC1845(F,E)	TRANSISTOR		
Q42			2SA1048(Y,GR)	TRANSISTOR	KPYM	
Q42			2SA933S(Q,R)	TRANSISTOR	KPYM	
Q44			2SC2878(B)	TRANSISTOR	KPYM	
BUFFER UNIT (X13-5800-02)						
C1 ,2			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C3 ,4			CE04LW1V220M	ELECTRO 22UF 35WV		
IC1			UPC4570C-A	IC(OP AMP X2)		
DISPLAY UNIT (X14-3040-10)						
D1			B30-1291-05	LED(POWER-STANDBY)		
D19			B30-1291-05	LED(CD DIRECT)		
C2			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C3			CK45FF1H103Z	CERAMIC 0.010UF Z		
C4			CE04LW1A101M	ELECTRO 100UF 10WV		
C5			C90-1827-05	BACKUP 0.047F 5.5WV		
C6 ,7			CK45FF1H103Z	CERAMIC 0.010UF Z		
C8			CC45FSL1H221J	CERAMIC 220PF J	KP	
C9			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C23 ,24			CK45FB1H102K	CERAMIC 1000PF K	E	
C25 ,26			CK45FF1H103Z	CERAMIC 0.010UF Z		
C27			CK45FF1H103Z	CERAMIC 0.010UF Z	KPYM	
C28 ,29			CK45FF1H103Z	CERAMIC 0.010UF Z		
C30			CC45FSL1H221J	CERAMIC 220PF J		
C31			CE04LW1C220M	ELECTRO 22UF 16WV		
C32			C90-1333-05	NP-ELEC 22UF 10WV		
C33			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C34 ,35			CE04LW1C330M	ELECTRO 33UF 16WV		
C36			CE04LW1V100M	ELECTRO 10UF 35WV		
C37 ,38			CE04LW1E221M	ELECTRO 220UF 25WV		
C39			CK45FF1H103Z	CERAMIC 0.010UF Z		
⚠ C41			C91-0971-05	FILM 0.01UF 250WV	KP	
⚠ C41			C91-1421-05	FILM 0.01UF 250AC	YM	
⚠ C41			C91-1439-05	FILM 0.01UF 250VAC	E	
⚠ C41			C91-1443-05	FILM 0.01UF 250VAC	E	
C51 ,52			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C53 ,54			C91-0692-05	CERAMIC 0.047UF K		
C55 -58			CC45FSL1H221J	CERAMIC 220PF J		
C59 ,60			CC45FSL1H470J	CERAMIC 47PF J		
C61 -64			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C65 -68			CE04LW1V100M	ELECTRO 10UF 35WV		
C73			C90-1333-05	NP-ELEC 22UF 10WV		
C74			C91-0700-05	CERAMIC 0.1UF J		
C75 ,76			C91-0654-05	CERAMIC 1200PF K	E	
C77 ,78			C91-0688-05	CERAMIC 0.033UF K	E	
C91			CE04LW1C470M	ELECTRO 47UF 16WV		
C92			CK45FF1H103Z	CERAMIC 0.010UF Z		
C93 ,94			CE04LW1A101M	ELECTRO 100UF 10WV		
C95			CE04LW1A471M	ELECTRO 470UF 10WV		
C96			C91-0684-05	CERAMIC 0.022UF K		
C97			CE04LW1A471M	ELECTRO 470UF 10WV		
C98			CK45FF1H103Z	CERAMIC 0.010UF Z	E	
C99			CE04LW1H100M	ELECTRO 10UF 50WV	KPYM	
C100			CE04GW1E100M	LL-ELEC 10UF 25WV	KPYM	

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C101			CF92FV1H682J	MF 6800PF J	KPYM	
C102			CF92FV1H562J	MF 5600PF J	KPYM	
C103			CK45FB1H681K	CERAMIC 680PF K	KPYM	
C104-106			CE04LW1V100M	ELECTRO 10UF 35WV	KPYM	
C107			CK45FB1H561K	CERAMIC 560PF K	KPYM	
C108			CE04LW1H100M	ELECTRO 10UF 50WV	KPYM	
C109			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPYM	
C110			C90-1332-05	NP-ELEC 10UF 50WV	KPYM	
C111			C91-0688-05	CERAMIC 0.033UF K	KPYM	
C112			C91-0668-05	CERAMIC 4700PF K	KPYM	
C113			C91-0666-05	CERAMIC 3900PF K	KPYM	
C114			C91-0696-05	CERAMIC 0.068UF K	KPYM	
C115			CE04LW1C220M	ELECTRO 22UF 16WV	KPYM	
C116,117			CC45FCH1H270J	CERAMIC 27PF J	KPYM	
C118			CF92FV1H154J	MF 0.15UF J	KPYM	
C119			CF92FV1H151K	MF 150PF K	KPYM	
C120			CF92FV1H223J	MF 0.022UF J	KPYM	
C121			CF92FV1H102J	MF 1000PF J	KPYM	
C122			CE04LW1H4R7M	ELECTRO 4.7UF 50WV	KPYM	
C123			CE04LW1A471M	ELECTRO 470UF 10WV	KPYM	
C124			CE04LW1H4R7M	ELECTRO 4.7UF 50WV	KPYM	
C125			CF92FV1H102J	MF 1000PF J	KPYM	
C126			CF92FV1H223J	MF 0.022UF J	KPYM	
C127			CF92FV1H151K	MF 150PF K	KPYM	
C128,129			CE04LW1A221M	ELECTRO 220UF 10WV	KPYM	
C132			CE04LW1A221M	ELECTRO 220UF 10WV	KPYM	
C133			CK45FF1H473Z	CERAMIC 0.047UF Z	KPYM	
C134			CE04LW1C221M	ELECTRO 220UF 16WV	KPYM	
C136			CE04LW1C221M	ELECTRO 220UF 16WV	KPYM	
C138			C90-1455-05	NP-ELEC 0.1UF 50WV	KPYM	
C139			C90-1332-05	NP-ELEC 10UF 50WV	KPYM	
C140			CE04LW1A101M	ELECTRO 100UF 10WV		
C150			CK45F1H103Z	CERAMIC 0.010UF Z	E	
C151			CK45FF1H103Z	CERAMIC 0.010UF Z		
J1	1B		E20-0823-05	LOCK TERMINAL BOARD(SP.OUT)	KPYM	
J1	1B		E20-0828-05	SCREW TERMINAL BOARD(SP.OUT)	E	
J2	1B		E11-0188-05	MINIATURE PHONE JACK(S.CONTROL		
⚠ J3	1B		E03-0111-05	AC OUTLET	KPY	
⚠ J4	1B		E03-0108-05	AC OUTLET	ME	
J8	1B		E11-0208-05	PHONE JACK(PHONES)		
J9	1C		E63-0015-05	PHONO JACK(VIDEO I/O)		
⚠ F1			F04-5022-05	FUSE (UL) (125V 5A UL)	KP	
⚠ F1			F05-2525-05	FUSE (SEMKO) (250V T2.5A)	YME	
⚠ F2			F05-2525-05	FUSE (SEMKO) (250V T2.5A)	YME	
CN91-94			J13-0075-05	FUSE CLIP	YME	
CN91,92			J13-0075-05	FUSE CLIP	KP	
L1 ,2			L39-0085-05	PHASE-COMPENSATION COIL		
L3			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)	KPYM	
L8			L40-2291-17	SMALL FIXED INDUCTOR(2.2UH)	KPYM	
⚠ T1	1B		L01-7651-05	POWER TRANSFORMER	KP	
⚠ T1	1B		L01-7653-05	POWER TRANSFORMER	YM	
⚠ T1	1B		L01-7657-05	POWER TRANSFORMER	E	
X1			L78-0218-05	RESONATOR(4.194MHz)		

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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
X1			L78-0267-05	RESONATOR(4.194MHz)		
X2			L77-1184-05	CRYSTAL RESONATOR(8MHz)	KPYM	
R98			R92-0173-05	RC 2.2M M 1/2W	KP	
R99 ,100			RS14KB3A561J	FL-PROOF RS 560 J 1W		
R111,112			RD14NB2E101J	RD 100 J 1/4W		
R151			RD14NB2E151J	RD 150 J 1/4W		
R180			RN14BK2C1471F	RN 1.47K F 1/6W	KPYM	
R181			RN14BK2C5620F	RN 562.0 F 1/6W	KPYM	
R182			RD14NB2E220J	RD 22 J 1/4W	KPYM	
VR1 ,2	2C		R06-3059-05	POTENTIOMETER(TREBLE,BASS)		
VR3	2C		R05-5041-05	POTENTIOMETER(BALANCE)		
VR4	2C		R05-3019-05	POTENTIOMETER(REAR LEVEL)	KPYM	
VR4	2C		R10-5045-05	POTENTIOMETER(LOUDNESS)	E	
VR5	2C		R05-5041-05	POTENTIOMETER(INPUT BALANCE)	KPYM	
VR6	2C		R29-5053-05	POTENTIOMETER(VOLUME CONTROL)		
VR7			R12-8017-05	TRIMMING POT(2.2M)(DOLBY LEV.)	KPYM	
⚠K1			S51-1052-05	MAGNETIC RELAY(POWER ON/OFF)	E	
⚠K1			S76-0002-05	MAGNETIC RELAY(POWER ON/OFF)	KPYM	S
K2			S51-2078-05	MAGNETIC RELAY(SP ON/OFF)		
K2			S51-2092-05	MAGNETIC RELAY(SP ON/OFF)		
S1 -18	2A		S40-1064-05	PUSH SWITCH		
S19	2A		S40-1064-05	PUSH SWITCH(SURROUND)	KPYM	
S20 -27	2A		S40-1064-05	PUSH SWITCH		
S28	1B		S42-2139-05	MULTIPLE PUSH SWITCH(SP A,B)		
⚠S29	1C		S31-3010-05	SLIDE SWITCH(VOLTAGE SELECTOR)	YM	
D2 -4			HSS104	DIODE		
D2 -4			1SS133	DIODE		
D5			HZS8.2N(B2)	ZENER DIODE		
D5			RD8.2ES(B2)	ZENER DIODE		
D6			HSS104	DIODE	E	
D6			1SS133	DIODE	E	
D7			HSS104	DIODE		
D7			1SS133	DIODE		
D8			HSS104	DIODE	E	
D8			1SS133	DIODE	E	
D9 -18			HSS104	DIODE		
D9 -18			1SS133	DIODE		
D20			HZS4.7N(B)	ZENER DIODE		
D20			RD4.7ES(B)	ZENER DIODE		
D21 ,22			HSS104	DIODE	KPYM	
D21 ,22			1SS133	DIODE	KPYM	
D24			HSS104	DIODE	KP	
D24			1SS133	DIODE	KP	
D31 -37			HSS104	DIODE		
D31 -37			1SS133	DIODE		
D40			HZS6.2N(B2)	ZENER DIODE		
D40			RD6.2ES(B2)	ZENER DIODE		
D41			HSS104	DIODE		
D41			1SS133	DIODE		
D44 -47			S5688B	DIODE		
D44 -47			1SR139-100	DIODE		
D48			HSS104	DIODE		
D48			1SS133	DIODE		
D61 ,62			HSS104	DIODE		

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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
D61 ,62			1SS133	DIODE		
D63			HZS11N(B2)	ZENER DIODE		
D63			RD11ES(B2)	ZENER DIODE		
D64			HSS104	DIODE	KPYM	
D64			1SS133	DIODE	KPYM	
D65			HZS5.6N(B2)	ZENER DIODE	KPYM	
D65			RD5.6ES(B2)	ZENER DIODE	KPYM	
ED1	1A		CF1036C	FLUORESCENT INDICATOR TUBE		
IC1			CXP5016-526S	IC(4BIT MICROPROCESSOR)		
IC2			UPC1237HA	IC(POWER AMP)		
IC3			NJM4565D-D	IC(OP AMP X2)		
IC3			RC4565D-D	IC(OP AMP X2)		
IC4			NJM2244L	IC(VIDEO SWITCH)		
IC5			LM3364-15	IC(64K D-RAM)	KPYM	
IC6			LV1000N	IC(DIGITAL DELAY)	KPYM	
IC7			TA7812S	IC(VOLTAGE REGULATOR/ +12V)	KPYM	
IC7			UPC7812HF	IC(VOLTAGE REGULATOR/ +12V)	KPYM	
Q1			2SA1048(Y,GR)	TRANSISTOR		
Q1			2SA933S(Q,R)	TRANSISTOR		
Q2			2SC1740S(Q,R)	TRANSISTOR		
Q2			2SC2458(Y,GR)	TRANSISTOR		
Q3			DTA143TS	DIGITAL TRANSISTOR	YM	
Q3		*	RN2210	TRANSISTOR	YM	
Q5 ,6			2SC2003(L,K)	TRANSISTOR		
Q7			2SD1302(S,T)	TRANSISTOR		
Q9			2SA1048(Y,GR)	TRANSISTOR		
Q9			2SA933S(Q,R)	TRANSISTOR		
Q10			2SC1740S(Q,R)	TRANSISTOR	KPYM	
Q10			2SC2458(Y,GR)	TRANSISTOR	KPYM	
Q11			2SC3940A(R,S)	TRANSISTOR	KPYM	
Q12			2SA1048(Y,GR)	TRANSISTOR	KPYM	
Q12			2SA933S(Q,R)	TRANSISTOR	KPYM	
Q13			DTC124ES	DIGITAL TRANSISTOR	KPYM	
Q13			RN1203	TRANSISTOR	KPYM	
A1	1A		W02-0975-05	ELECTRIC CIRCUIT MODULE		
A1	1A		W02-1046-05	ELECTRIC CIRCUIT MODULE		

POWER AMPLIFIER UNIT (X85-1190-03)

C1 ,2			CE04LW1H010M	ELECTRO	1.0UF	50WV	S
C3 ,4			CC45FSL1H101J	CERAMIC	100PF	J	KPYM
C3 ,4			CK45FB1H471K	CERAMIC	470PF	K	E
C5 ,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			CC45FSL1H070D	CERAMIC	7.0PF	D	KPYM
C19 ,20			CC45FSL1H150J	CERAMIC	15PF	J	E
C21			CE04LW2A220M	ELECTRO	22UF	100WV	
C22			CE04LW2A101M	ELECTRO	100UF	100WV	
C24			CE04LW1E330M	ELECTRO	33UF	25WV	KPYM
C25 ,26			CC45FSL1H101J	CERAMIC	100PF	J	
C41			CE04LW1H010M	ELECTRO	1.0UF	50WV	KPYM S
C42			CC45FSL1H221J	CERAMIC	220PF	J	KPYM
C43			CC45FSL1H101J	CERAMIC	100PF	J	KPYM

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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
C44			CE04LW1A470M	ELECTRO 47UF 10WV	KPYM	
C45			CC45FSL1H470J	CERAMIC 47PF J	KPYM	
C46			CC45FSL1H221J	CERAMIC 220PF J	KPYM	
C47			CC45FSL1H020C	CERAMIC 2.0PF C	KPYM	
C48 ,49			CE04LW1V470M	ELECTRO 47UF 35WV	KPYM	
C50			CC45FSL1H470J	CERAMIC 47PF J	KPYM	
C51 ,52			CE04LW2A010M	ELECTRO 1.0UF 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		
R67			RD14NB2E151J	RD 150 J 1/4W	KPYM	
R70 ,71			RD14NB2E221J	RD 220 J 1/4W	KPYM	
R72 ,73			RD14NB2E470J	RD 47 J 1/4W	KPYM	
D1 ,2			HSS104	DIODE		
D1 ,2			1SS133	DIODE		
D5			HSS104	DIODE	KPYM	
D5			1SS133	DIODE	KPYM	
D7			HSS104	DIODE	KPYM	
D7			1SS133	DIODE	KPYM	
Q1 -4			2SA992(F,E)	TRANSISTOR		
Q11 -14			2SC2631(R,S)	TRANSISTOR		
Q15 ,16			2SA1123(R,S)	TRANSISTOR		
Q17 ,18			2SC1740S(Q,R)	TRANSISTOR	KPYM	
Q17 ,18			2SC2458(Y,GR)	TRANSISTOR	KPYM	
Q31 ,32			2SA992(F,E)	TRANSISTOR	KPYM	
Q33 ,34			2SC1845(F,E)	TRANSISTOR	KPYM	
Q35			2SA992(F,E)	TRANSISTOR	KPYM	

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PARTS LIST

KR-V6040

KR-V6040

SPECIFICATIONS

Except for Europe

AUDIO SECTION
Rated Power Output
(Front)
(For the U.S.A. & Canada)

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

(For other than the U.S.A. & Canada)
(IHF '66) From 20 Hz to 20kHz, 0.06% T.H.D ., at 8Ω ..... 110W + 110W

(Rear)
15 watts per channel minimum RMS, both channesl driven at 8 Ω at 1 kHz with no more than 0.9% total harmonic distortion.

Total Harmonic Distortion
(1 kHz, 8 Ω) ..... 0.03% at 50W
Input Sensitivity/Impendance
PHONO (MM) ..... 2.5 mV/47 kΩ
CD, TAPE, VIDEO ..... 200 mV/47 kΩ
Frequency Response
CD ..... 10 Hz ~ 50 kHz +0 dB, –3 dB
Signal to Noise Ratio (IHF-A)
PHONO (MM) ..... 78 dB for 5 mV input
CD, TAPE, VIDEO ..... 100 dB for 200 mV input
Tone Controls
BASS ..... ± 10 dB (at 100 Hz)
TREBLE ..... ± 10 dB (at 10 kHz)

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

FM TUNER SECTION
Tuning Frequency Range ..... 87.5 MHz~108 MHz
Antenna Impedance .....300 Ω balanced & 75 Ω unbalanced
Sensitivity (IHF) ..... 10.8 dBf (0.95 µV at 75 Ω)
50 dB Quieting Sensitivity
MONO ..... 16.2 dBf (3.5 µV at 75 Ω)
STEREO ..... 38.2 dBf (45 µV at 75 Ω)
Signal to Noise Ratio at 65 dBf (IHF)
MONO ..... 79 dB
STEREO ..... 73 dB
Total Harmonic Distortion at 1,000 hz (IHF)
MONO 0.3%
STEREO 0.5%
Selectivity (IHF ±400 kHz) ..... 53 dB
Stereo Separation (IHF at 1 kHz) ..... 45 dB
Frequency Response ..... 30 Hz~15 kHz +0.5 dB, –2.0 dB

AM TUNER SECTION
Tuning Frequency Range
9 kHz step ..... 531 kHz – 1,602 kHz
10 kHz step ..... 530 kHz – 1,610 kHz
(The U.S.A. and Canada) ..... 530 kHz – 1,700 kHz
Usable Sensitivity ..... 12 µV/(400 µV/m)
Signal to Noise Ratio ..... 50 dB
Total Harmonic Distortion 0.5%
Selectivity ..... 23 dB

GENERAL
Power Consumption ... .3A (The U.S.A. and Canada Models) 230 W (IEC) (Others)
Dimensions ..... 440 (W) x 143 (H) x 398 (D) mm (17-5/16") x (5-5/8") x (15-11/16")
Weight (Net) ..... 10.2 kg (22.5 lb)

For Europe

AUDIO SECTION
Rated power output
(IEC) from 63 Hz to 12,500 Hz
0.7% T.H.D. at 8 Ω ..... 110 W + 110 W
(DIN) 1,000 Hz at 8 Ω ..... 120 W + 120 W
at 4 Ω ..... 100 W + 100 W
Total Harmonic Distortion
(1 kHz, 8 Ω) 0.03% at 50 W
Input Sensitivity/Impendance
PHONO (MM) ..... 2.5 mV/47 kΩ
CD, TAPE, VIDEO ..... 200 mV/47 kΩ
Frequency Response
CD ..... 10 Hz ~ 50 kHz +0 dB, –3 dB
Signal to Noise Ratio (DIN weighted, at 50 mW output)
PHONO (MM) ..... 57 dB
CD, TAPE, VIDEO ..... 58 dB
Tone Controls
BASS ..... ± 10 dB (at 100 Hz)
TREBLE ..... ±10 dB (at 10 kHz)

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

FM TUNER SECTION
Tuning Frequency Range ..... 87.5 MHz ~ 108 MHZ
Antenna Impendance ..... 75 Ω unbalanced
Sensitivity (DIN)
(MONO) ..... 1.1 µV
(STEREO) ..... 40 µV
Total Harmonic Distortion
(DIN at 1kHz, 65.2 dBf input)
MONO 0.3%
STEREO 0.4%
Signal to Noise Ratio (DIN weighted at 1kHz, 65.2 dBf input)
MONO ..... 68 dB
STEREO ..... 61 dB
Selectivity (DIN ±300 kHz) ..... 65 dB
Stereo Separation (DIN at 1 kHz) ..... 45 dB
Sub carrior suppression (DIN) ..... 50 dB (at 19 kHz) 60 dB (at 38 kHz)
Frequency Response ..... 30 Hz ~ 15 kHz +0.5 dB, –2.0 dB

AM TUNER SECTION
Tuning Frequency Range ..... 531 kHz ~ 1,602 kHz
Usable Sensitivity ..... 12 µV/(400 µV/m)
Signal to Noise Ratio ..... 50 dB
Total Harmonic Distortion 0.5%
Selectivity ..... 23 dB

GENERAL
Power Consumption ..... 230 W
Dimensions ..... 440 (W) x 147 (H) x 398 (D) mm
Weight (Net) ..... 9.9 kg

AC outlet
For U.S.A. and Canada
SWITCHED ..... 3 Total (200 W 1.6A max.)
For U.S. military
SWITCHED ..... 3 Total (200 W max.)
For other countries
SWITCHED ..... 1 (200 W max.)

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

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Note:

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