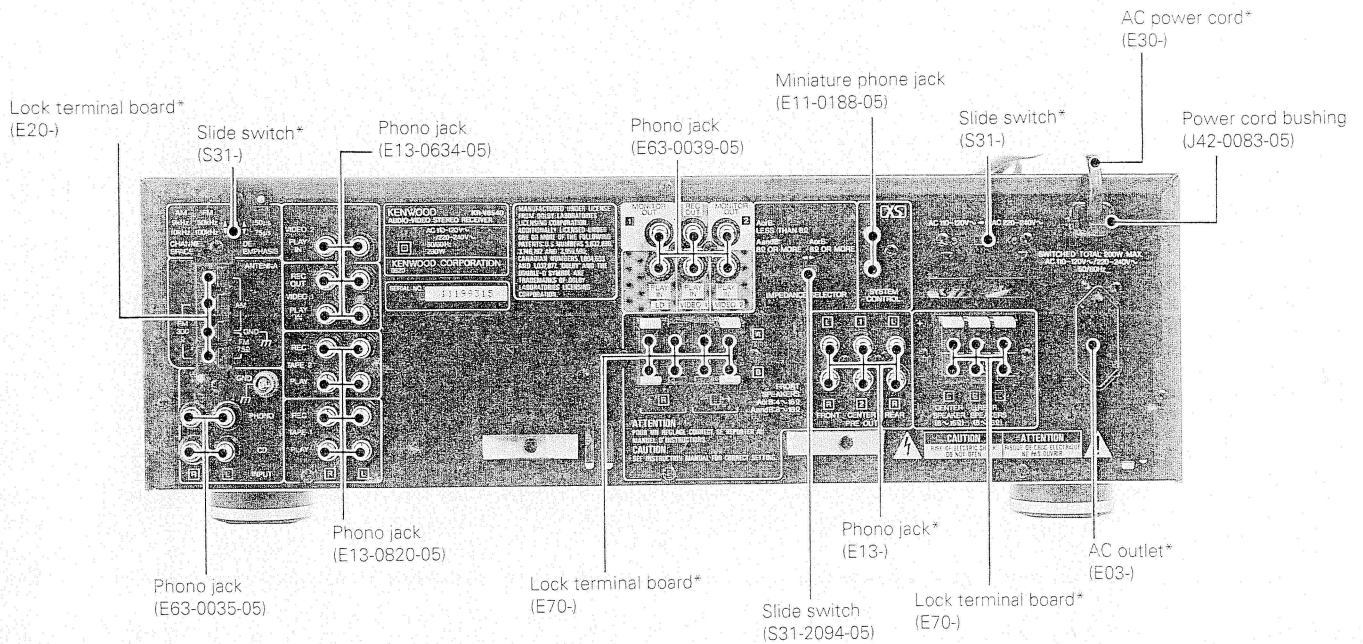
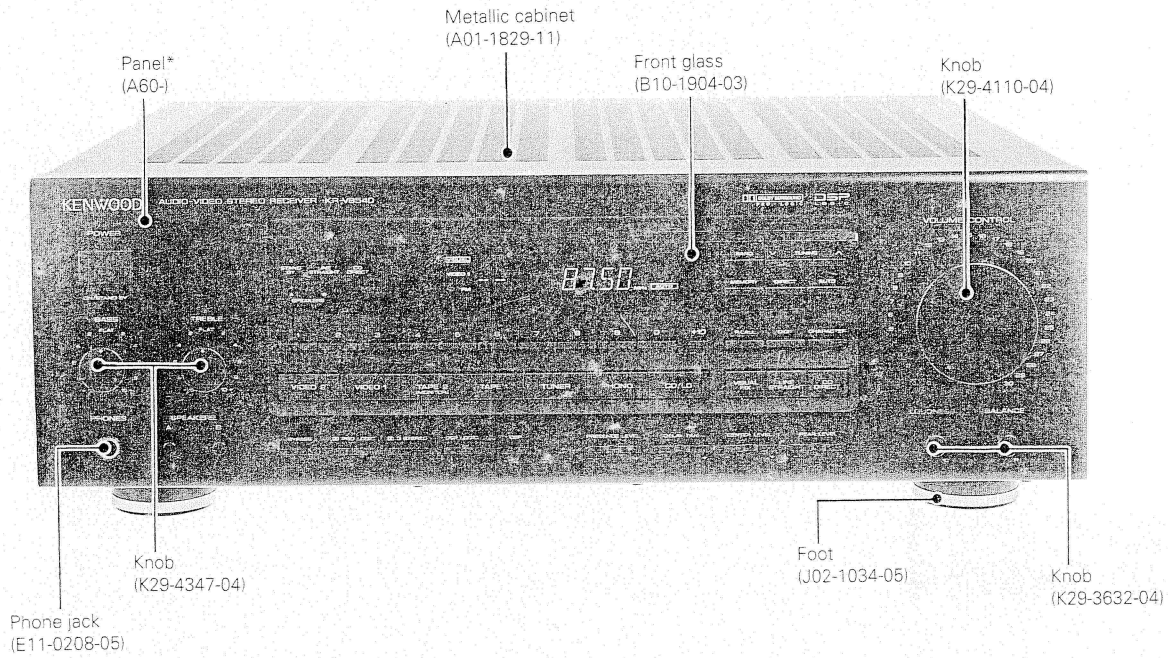


KR-V8040/V8540

SERVICE MANUAL



R-V8040/V8540 CONTENTS/ACCESSORIES

Contents

CONTENTS/ACCESSORIES 2

CAUTION/CONTROLS AND INDICATORS 3

REMOTE CONTROL OPERATION 4

OPERATION 6

DISASSEMBLY FOR REPAIR 9

BLOCK DIAGRAM 13

CIRCUIT DESCRIPTION 14

1. Receiver microprocessor: 14

 CXP50124-139Q (X14:1C1) 14

2. 8bit Serial-Parallel IC: 22

 NJU3711D (X14:1C2) 22

3. DSP IC: YSS215-F (X14:1C27) 23

4. S-RAM: HM65256BLFP-10 (X14:1C28) 28

5. FM, AM, MPX system IC: 29

 LA1851N (X13:1C1) 29

6. PLL IC: LC7218 (X13:1C2) 30

7. Video amp. selector: BAT626 (X09:1C3) 31

ADJUSTMENT 32

PC BOARD 33

WIRING DIAGRAM 39

CIRCUIT DIAGRAM 41

EXPLODED VIEW 65

PARTS LIST 67

SPECIFICATIONS 77

ACCESSORIES

1. Indoor antenna (T90-01 "S-05) 1

2. 75Ω/300Ω antenna adaptor (T E type only) (T90-0185-05) 1

3. Remote control unit (KR-V8540 only) 1

4. Remote control unit (KR-V8040 only) (KR-V8040 only) 1

5. Batteries (R03 CT 4-AA) (U19-2815 04) 2

6. AV loop antenna (T90-0174-05) 2

7. AC plug (E03-0094-05) (I type only) (E03-0115-05) (M type only) 2

8. Remote control unit (KR-V8040 only) (KR-V8040 only) (KR-V8040 only) (KR-V8040 only) 1

9. Loop antenna holder (U19-2815 04) 2

10. AC plug (E03-0094-05) (I type only) (E03-0115-05) (M type only) 2

KR-V8040/V8540 CAUTION/CONTROLS AND INDICATORS

Caution

This manual is available 2 models: KR-V8040 and KR-V8540. When using this manual, please check model's name.

The KR-V8040 and KR-V8540 are made in different countries. However, their circuits are identical.

MODEL NAME	ABB.	JAPAN MADE			SINGAPORE MADE		
		AUDIO UNIT	BUFFER UNIT	DISPLAY UNIT	AUDIO UNIT	BUFFER UNIT	DISPLAY UNIT
KR-V8040	K	X09-3550-11	X13-6970-11	X14-3400-10	X09-3580-11	X13-7050-11	X14-3400-11
	P	1-02	0-11	0-10	1-02	0-11	0-11
	Y	2-92	2-92	0-21	2-92	2-92	0-22
KR-V8540	M	0-22	2-92	0-21	0-22	2-92	0-22
	E	2-71	2-71	2-71	2-71	2-71	2-72
	T	0-51	2-71	0-51	0-51	2-71	0-52
KR-V8540	K	X09-3550-10	X13-6970-10	X14-3400-10	X09-3580-10	X13-7050-10	X14-3400-10
	P	1-01	0-10	0-10	1-01	0-10	0-11
	Y	2-91	2-91	0-21	2-91	2-91	0-22
KR-V8540	M	0-21	2-91	0-21	0-21	2-91	0-22

Controls and indicators

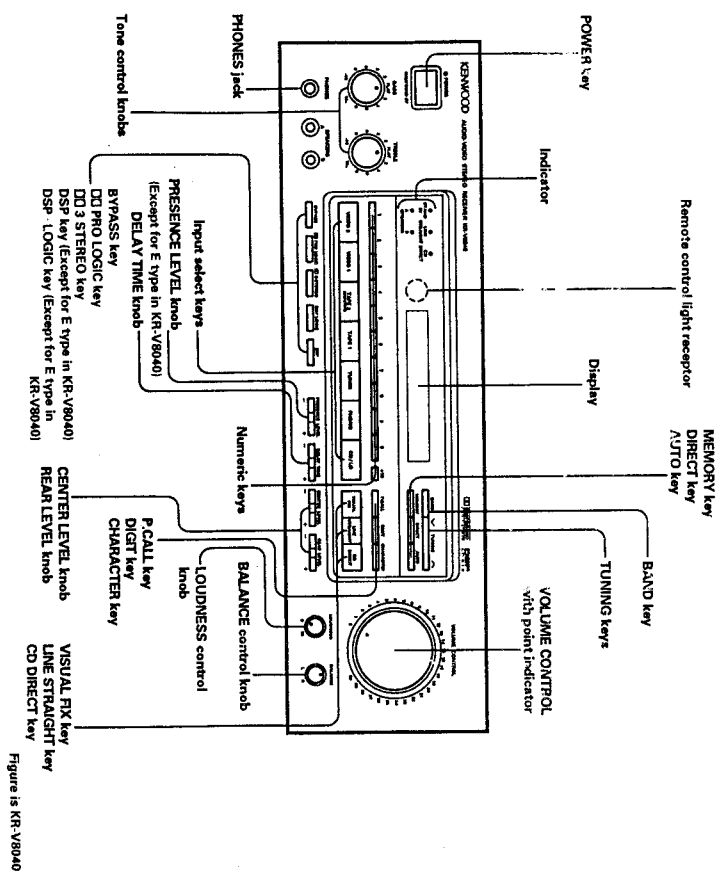
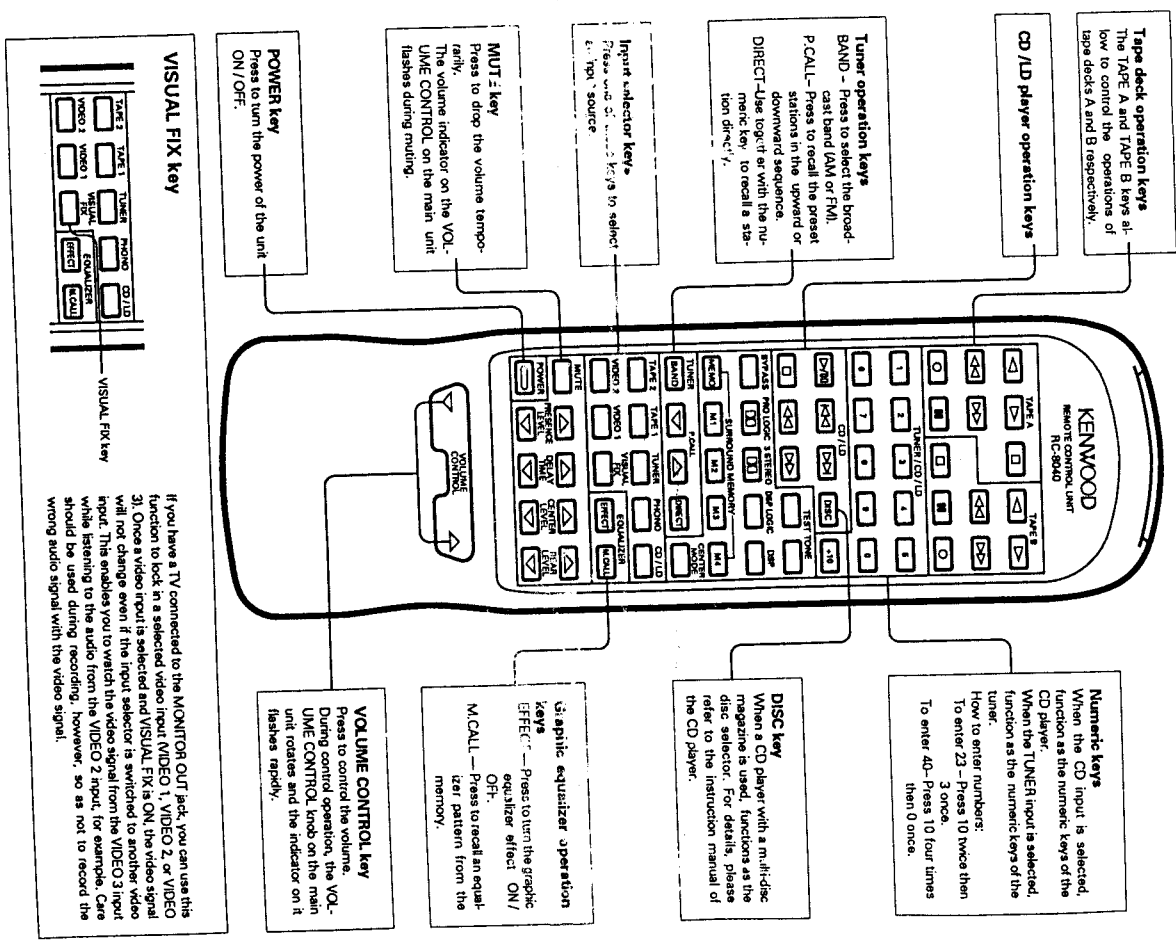


Figure is KR-V8040

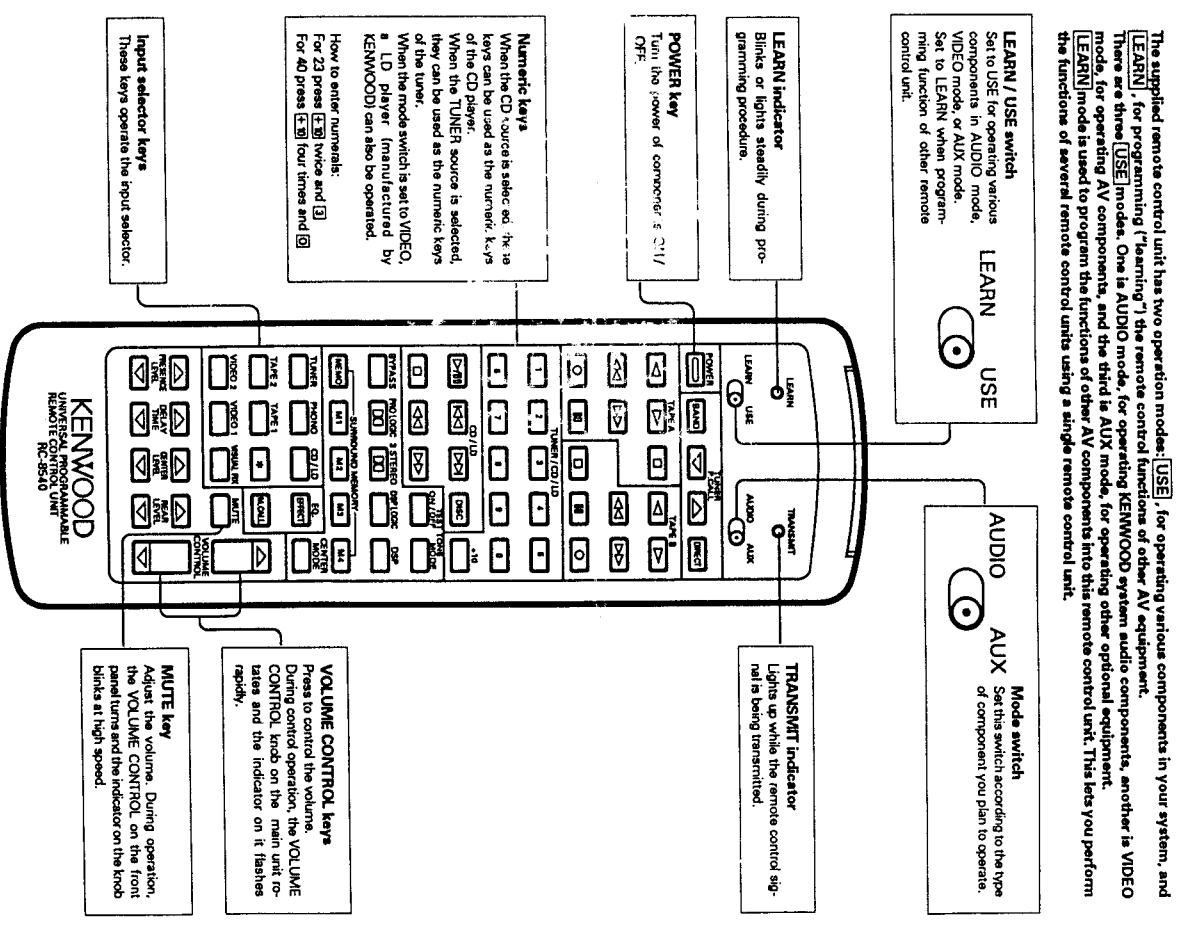
REMOTE CONTROL OPERATION

For KR-V8040

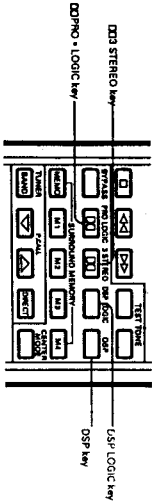


REMOTE CONTROL OPERATION

For KR-V8540



① Presence



■ Speaker positioning

<p>Standard layout</p>	<p>① Dolby PRO - LOGIC mode Set the center mode according to the size of the center speaker. NORMAL : When the center speaker size is small. WIDE BAND : When the center speaker size is large or medium. ② DSP Logic mode Set the center mode to "4 CH MODE".</p>
<p>When no rear (surround) speakers are used</p>	<p>Dolby 3 STEREO mode Set the center mode according to the center speaker size. NORMAL : When using a small center speaker. WIDE BAND : When using a medium-sized or larger center speaker.</p>
<p>When no center speaker is used</p>	<p>① Dolby PRO - LOGIC mode Set the center mode to PHANTOM. ② DSP mode Select the desired presence mode. ③ DSP Logic mode Set the center mode to "3 CH MODE" and select the desired presence mode.</p>

② Operation of Dolby PRO LOGIC


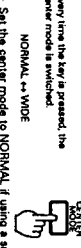

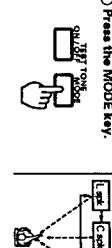
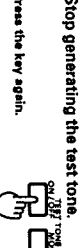
■ Dolby PRO - LOGIC field adjustment

<p>1 Set the Dolby PRO LOGIC mode.</p>	<p>③ Adjust the volume balance.</p> <p>• Repeat steps 1 and 2, and adjust so that the test tone coming from the TV is adjusted as displayed. • The center level cannot be adjusted in the PHANTOM mode.</p>
<p>2 Select the center mode.</p> <p>• Remote control use only • Refer to column "Center mode" below.</p> <p>Every time the key is pressed, the center mode is switched.</p>	<p>5 Stop generating the test tone.</p>
<p>3 Turn on the test tone.</p> <p>Remote control use only</p>	<p>6 Set the delay time.</p> <p>• Calculate the proper delay time for Dolby Surround by referring to the illustration below. • The delay time can be adjusted in the range from 15 to 30 ms. • Once a delay time is set, it is automatically held in memory so the same delay time is displayed when over Dolby Surround is switched ON later.</p> <p>Delay time (ms) = 20 ms × 3 ms (A - B) A : Distance of front speaker (m) B : Distance of rear speaker (m)</p>
<p>4 Adjust the volume balance.</p> <p>• The speaker generating the noisy test tone is changed every time the key is pressed. In NORMAL or WIDE mode: [Left → Center → Right → Rear] (S) In PHANTOM mode: [Left → Right → Pair] (S)</p>	<p>Center mode</p> <p>Select one of the following center modes according to the type of the presence speakers in your system.</p> <p>NORMAL : Use this mode with a center speaker of a compact size. WIDE BAND : Use this mode with a center speaker of a medium or large size. • If you cannot identify whether your center speaker is of the medium or compact size, try both the NORMAL and WIDE mode and use the one that can provide better sound positioning. PHANTOM : Use this mode when the center speaker is not used. • Even without the center speaker, the signal is processed in a simulated manner to ensure proper center image positioning and provide the enjoyment of Dolby Surround.</p>

③ Operation of Dolby 3 STEREO


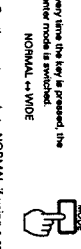
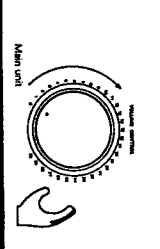
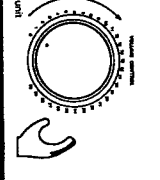
The Dolby 3 Stereo mode uses an additional center speaker to improve the positioning of words, etc., when playing video software such as a movie in your home.

■ Dolby 3 STEREO adjustment

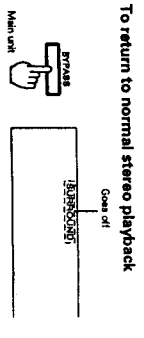
- 1 Set the Dolby 3 STEREO mode.
 
- 2 Select the center mode.
 
 - Every time the key is pressed, the center mode is switched.
 - NORMAL, WIDE
 - Set the center mode to NORMAL if using a small center speaker, or set to WIDE if using a medium-sized or larger speaker.
- 3 Turn on the test tone.
 
- 4 Adjust the center speaker volume.
 
 - ① Press the MODE key.
 - This speaker generating the test tone is changed every time the MODE key is pressed.
 - ② Adjust the volume.
 - CENTER LEVEL
 - Repeat steps ① and ②, and adjust so that the level of the test tone is the same for the left and right speakers.
 - The rear level adjustment is invalid.
- 5 Stop generating the test tone.
 

Press the key again.

■ Dolby 3 STEREO playback

- 1 Set the Dolby 3 STEREO mode.
 
- 2 Select the center mode.
 
 - Every time the key is pressed, the center mode is switched.
 - NORMAL, WIDE
 - Set the center mode to NORMAL if using a small center speaker, or set to WIDE if using a medium-sized or larger speaker.
- 3 Play a stereo software program or a Dolby surround program.
 
- 4 Adjust the volume and tone.
 

To return to normal stereo playback



Press the key again.

④ Operation of DSP/DSP Logic

The DSP (Digital Signal Processor) allows to reproduce the atmosphere of various sound fields. By applying additional adjustments, a custom presence effect of yourself can also be created.

- ① DSP presence mode: ARENA, JAZZ CLUB, STADIUM, DISCOTHEQUE
- ② DSP Logic presence mode: LARGE THEATER, SMALL THEATER

Satisfactory effect can be enjoyed by selecting one of the presence modes by referring to the table below. Additionally, the parameters shown in the table can also be adjusted according to your liking.

- Presence level : Variable in the range from -20 to 0 dB.
- Delay time : Variable in the range from 1 to 50 ms.
- Rear level : Variable in the range from -40 to 0 dB.
- Center level : Variable in the range from -40 to 0 dB.

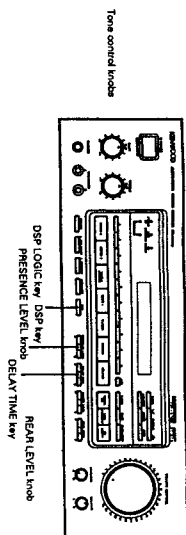
Presence mode	Channel mode	Initial setting values				Variable setting values	
		Delay time	Presence level	Center level	Rear level	Center level	Rear level
Arena	*	10 ms	-12 dB	*	-10 dB	*	-40 dB -0 dB
Jazz club	*	15 ms	-12 dB	*	-10 dB	*	-40 dB -0 dB
Stadium	*	25 ms	-8 dB	*	-10 dB	*	-40 dB -0 dB
Discotheque	*	16 ms	-8 dB	*	-10 dB	*	-40 dB -0 dB
Large theater	3ch	30 ms	-8 dB	*	-10 dB	*	-40 dB -0 dB
	4ch	30 ms	-8 dB	-10 dB	-10 dB	-40 dB -0 dB	-40 dB -0 dB
Small theater	3ch	15 ms	-16 dB	*	-10 dB	*	-40 dB -0 dB
	4ch	15 ms	-16 dB	-10 dB	-10 dB	-40 dB -0 dB	-40 dB -0 dB

- ARENA A hall where high frequencies are reflected very well and reverberations are long.
- JAZZ CLUB A live house of jazz where grymbals sounds well.
- STADIUM A stadium with reflections proper to PA speakers.
- DISCOTHEQUE A disco where medium-frequency range is enhanced by comfortable reverberations and graphic equalizer effects.
- LARGE THEATER Reproduces a surround sound proper to a large movie theater.
- SMALL THEATER Reproduces the sound field of a small movie theater or hall.

OPERATION

KR-V8040/V8540

5 Creating a DSP sound field



- 1 Select the presence mode.**
Main unit or Remote control unit
Each press switches over the modes.
ARENA → JAZZ CLUB → DISCOTHEQUE → STADIUM → LARGE THEATER → SMALL THEATER
- 2 Play the music source.**
Now, a sufficient sound field effect of the presence mode can be obtained. However, you can make additional adjustments as described in the following.
• Even when the following presence parameters have been adjusted, they will return to the initial settings when the Dolby Surround mode or another presence mode is selected.
- 3 Adjust the presence level.**

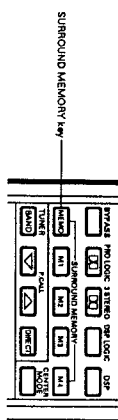
• Set in 2 dB steps within a range of 20 to 0 dB.
- 4 Adjust the volume.**

① Adjust the center level.
• Set within a range of -40 to 0 dB.

② Adjust the rear level.
• Set within a range of -40 to 0 dB.
- 5 Adjust the sound quality.** Main unit only
- 6 Set the delay time.**

• The delay time can be adjusted in 1 ms steps within a range of 1 ms to 50 ms.

6 Store a presence pattern



- 1 Select or create the presence pattern to be stored.**
• BYPASS cannot be stored.
- 2 Press the SURROUND MEMORY key.**
• The unit enters storing standby mode.
- 3 Press the M1 - M4 key.**

• Set to M1-M4.

■ **Listening using a presence pattern**

To recall a pattern from the Surround memory, Press one of the M1 to M4 keys to recall a pattern directly from the Surround memory.

OPERATION

KR-V8040/V8540

■ **Listening to all preset stations in sequence: PRESET CALL**

PRESET CALL

Present stations are received in order of 1, 2, 3... 20 every time the key on the main unit is pressed.
With the key on the remote control unit, present stations are received in order of 1, 2... every time the key is pressed, or in order of 20, 19... every time the key is pressed.

Holding one of these keys pressed recalls the preset stations in sequence at 0.5-second intervals. When the key is released, the current preset station is received.

DISASSEMBLY FOR REPAIR

1) Removing the front panel, sub panel, FL PC board (X14-A/2), and DSP PC board (X14-B/2)

1. Remove the seven screws (1), then remove the front panel while pressing the claw (2) of sub panel.
 2. Remove the volume knob (3).
 3. Remove the BASS, TREBLE, and BALANCE knobs (4).
 4. Remove the two screws (5), then remove the sub panel.
- Note: when installing the sub panel to sub chassis, insert the claw of sub panel in the sub chassis first.

5. Remove the three screws (6).
6. Remove the eight claws (7), then remove the FL PC board (X14-A/2).

(Place the PC boards on the cloth on the set.)

7. Remove the six screws (8) and remove the bracket.

8. Remove the two nuts (9) and remove the DSP board and FL board by lifting them (10).

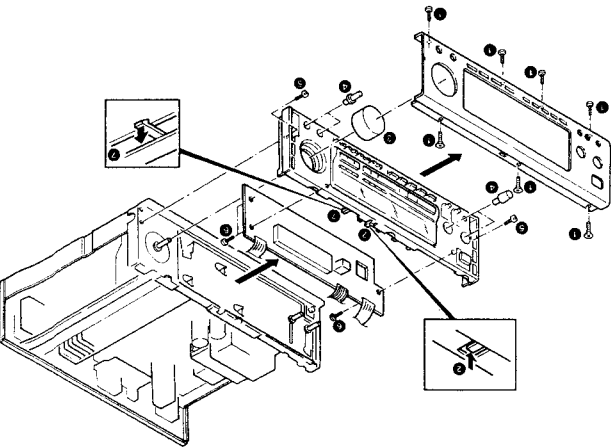
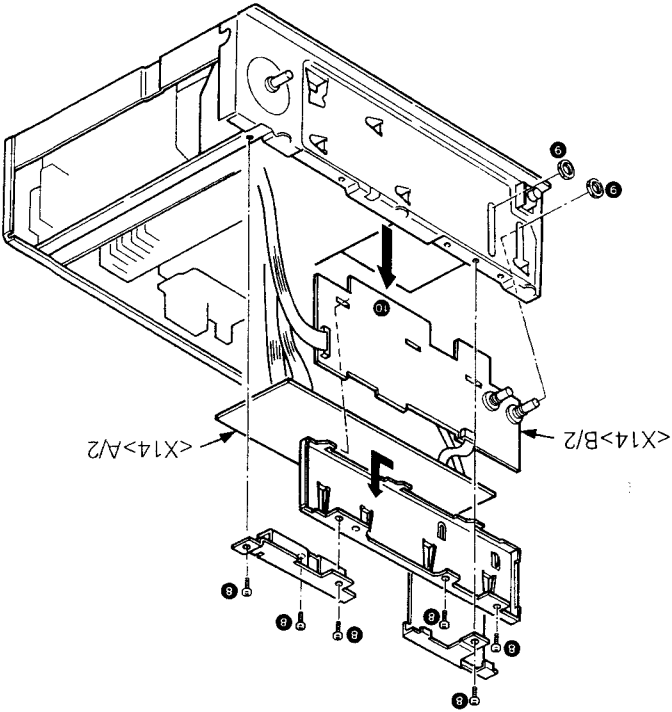
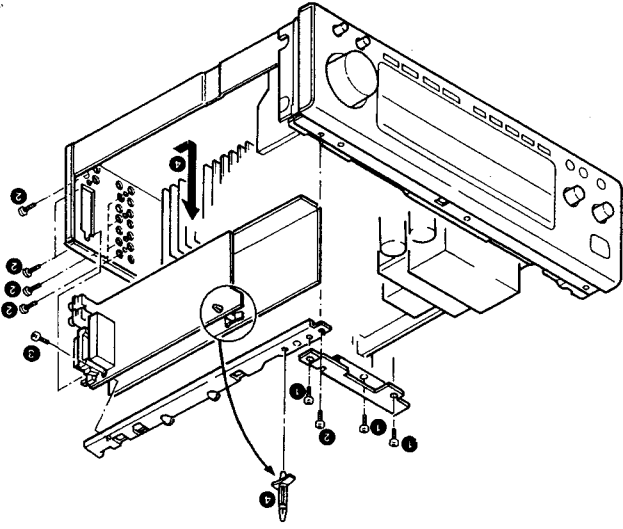
(Put the boards on the cloth on the set.)

2) Removing the tuner and selector PC boards (X13)

1. Remove the three screws (1), then remove the frame.
2. Remove the nine screws (2), then remove the PC boards.

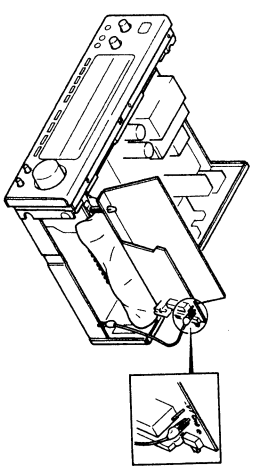
Notes: If the main VOL body shorts the +B line of class A of the selector board when removing it, a spark may be generated.

3. Remove the one screw (3), frame, and crammer (4).



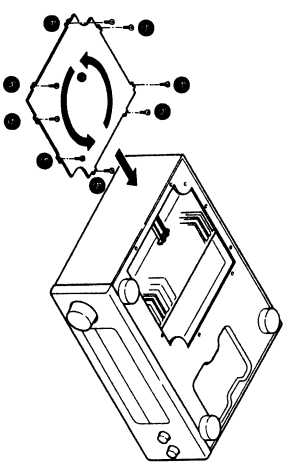
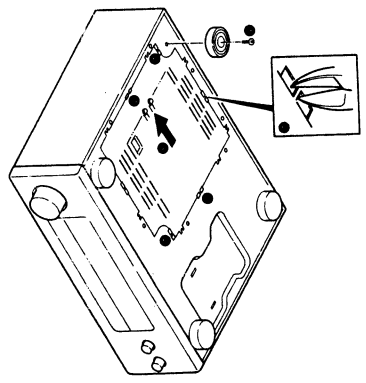
DISASSEMBLY FOR REPAIR

4. Install the frame to former position by two screws, and insert the crammer in frame.
5. Insert the clamper into the front hole of the X13, E/5 and fix it temporarily.
(Lay a cloth on top of the rear panel and connect the board ground.)



3) Removing the repairing chassis

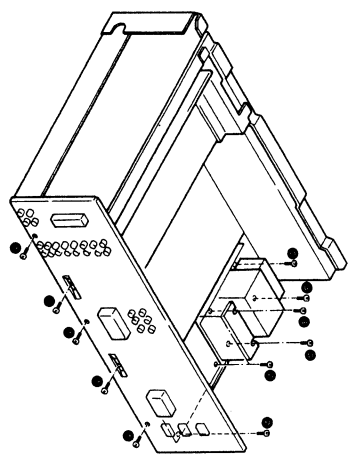
1. Remove the one foot. (●)
2. Cut the six parts (●) of the repairing chassis, then remove the repairing chassis in the direction of arrow (●).



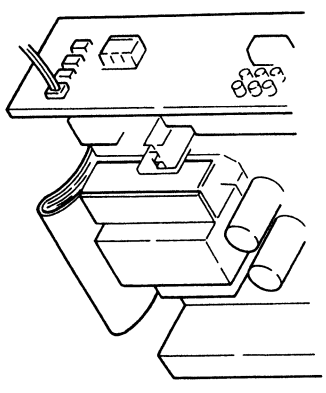
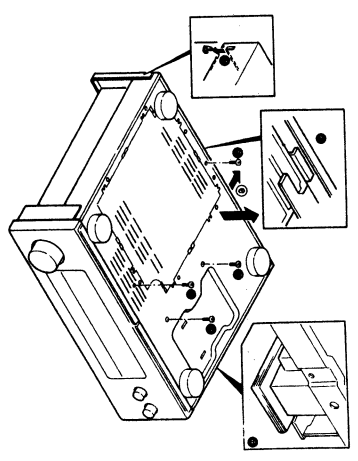
3. Turn the repairing chassis 180 degrees (●), then lock to the main chassis by eight screws (M3 x 6) (●).

DISASSEMBLY FOR REPAIR

- ### 4) Removing the main chassis
1. Remove the front panel and sub panel (Refer to 1).
 2. Remove the five screws (●) at the rear panel.
 3. Remove the two screws (●) at the PC board, and the four screws (●) at the power transformer.



4. Place the spacer (a notebook, etc.) on the power transformer so that it is the same height as the top of the case, and turn the set over without slipping the transformer. (●).
5. Remove the four screws (●).
6. Remove the main chassis while pressing the rear panel in the direction of arrow (●).
7. Place a spacer on the left side of the power transformer and stand the set with the transformer downward.
Note: Confirm that any transformer parts or jumpers do not touch other parts, then check conduction.
8. To install the bottom chassis
Push the center of the bottom of the rear panel in the direction of the arrow (●) in the same way as for removal, and insert the bottom chassis from the rear side of the chassis.
Assemble the set being careful to the projection (●). Confirm that the panel side claws have been fitted properly. (●)

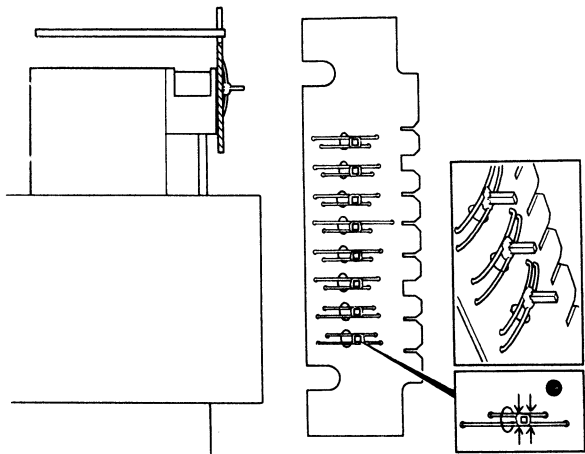


DISASSEMBLY FOR REPAIR

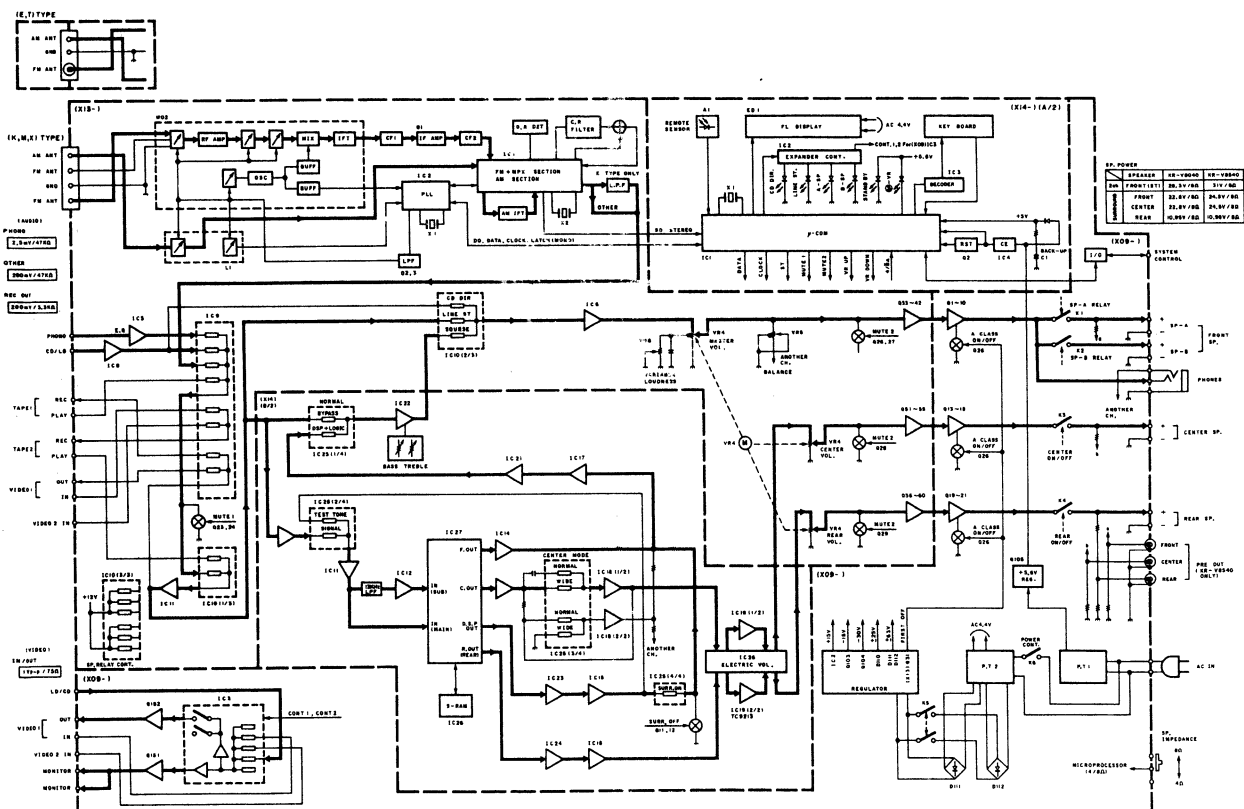
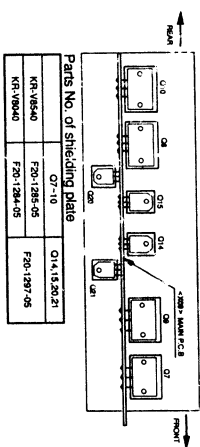
BLOCK DIAGRAM

5) Notes for soldering the secondary side of the power transformer

1. Press the jumper in the direction of the arrow ● with radio pliers so that the large area of the jumper contacts the square pin. Place solder around the square pin uniformly and take care not to spill solder over the board.
2. Solder the board at the secondary side of the transformer in parallel to the mold to prevent any gap between the board and mold.
3. The clearance between the fuse board and transformer body must be as large as possible.

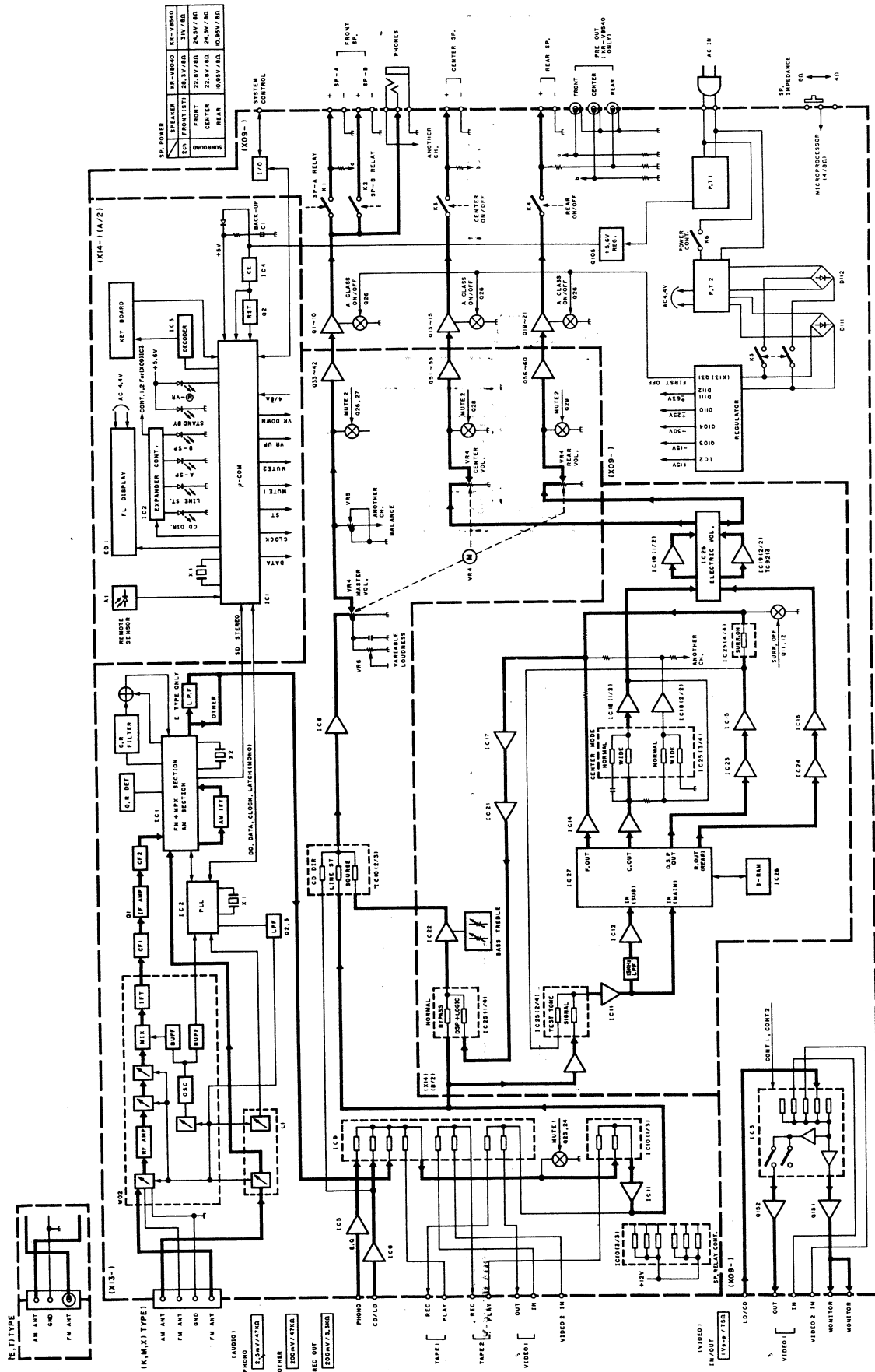


6) Use the final TR mylar sheet with the specified part number: (F20 V-VXX-05). If you use an unspecified sheet, apply heatsink compound (white grease) to both sides of the sheet.



KR-V8040/V8540

BLOCK DIAGRAM



CIRCUIT DESCRIPTION

CIRCUIT DESCRIPTION

1. Receiver microprocessor: CXP50124-139Q (X14:IC1)

1.1 Function description

- 1) Future
 - Audio selector (7 channels)
 - CD/LD, PHONO, TUNER, TAPE1, TAPE2, VIDEO1, VIDEO2
 - Visual selector (3 channels)
 - CD/LD (PLAY), VIDEO1 (PLAY/REC), VIDEO2 (PLAY)
 - CD DIRECT
 - LINE STRAIGHT
 - SURROUND MODE
 - DOLBY PRO LOGIC, 3-STEREO, *DSP LOGIC, *DSP
 - CENTER MODE
 - NORMAL, WIDE, PHANTOM (DOLBY PRO LOGIC) NORMAL, WIDE (3-STEREO)
 - 3 CH, 4 CH (*DSP LOGIC)
 - *DSP MODE
 - ARENA, JAZZ CLUB, STADIUM, DISCOTIQUE
 - *DSP LOGIC MODE
 - LARGE THEATER, SMALL THEATER
 - User memory
 - Store the four presence patterns
 - Contents: Surround mode, Center mode, Delay time, Center level, Rear level, Presence level.
 - Store the twenty preset stations and station names.
- 2) Control object
 - FL display
 - LED
 - VOLUME, CD DIRECT, LINE STRAIGHT, SPEAKER A, SPEAKER B
 - Electrically driven volume
 - IC
- 3) Protection
 - If protection occurs when the power is on, all the keys except the POWER key are disabled and "PROTECT" is displayed.
- 4) Speaker switch
 - The setting of the 4/8Ω speaker switch on the rear is read when you press one of the following keys: POWER SP A, SP B, PRO LOGIC, 3-STEREO, DSP, DSP LOGIC
 - ① 8Ω (Speaker impedance)
 - A+B: Impossible; A or B: Possible; Surround: Possible
 - ② 4Ω (Speaker impedance)
 - When the surround function is OFF: A+B: Possible
 - When the surround function is ON: A + B: Impossible; A or B: Possible

TC4028BP : For key scan, 4 to 10 decoder
 LC7218 : PLL IC
 NJU7311L, NJU7312L : Selector IC
 NJU7313L : For surround expansion
 NJU3711D : For surround control
 YSS215-F : Electric volume (Rear and center level)
 TC9213P

1.2 Initial Setting

1) Function initial setting

POWER SELECTOR (AUDIO)	OFF
SELECTOR (VIDEO)	TUNER
SELECTOR (VIDEO)	VIDEO1
TAPE 2	OFF
CD DIRECT	OFF
LINE STRAIGHT	OFF
SPEAKERS A	ON
SPEAKERS B	OFF
BAND	FM
FREQUENCY	87.5 MHz
AUTOMONO	AUTO
FL DISPLAY OF PRESET CHANNEL	"--"
SURROUND	BYPASS
CENTER LEVEL	-10dB
REAR LEVEL	-10dB
CENTER MODE	NORMAL
PRO LOGIC	NORMAL
3-STEREO	NORMAL
DSP LOGIC	3 CH

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

CH	DESTINATION	K, P, Y, M	T, E, Y, M
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 (*1700)	AM 1602
7	FM	87.50	FM 87.50
8	FM	98.50	FM 98.50
9	AM	530	AM 531
10	FM	89.10	FM 89.10
11 ~ 20	FM	87.50	FM 87.50

*1700kHz is set for WIDE only.

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.

1.3 Test Mode Setting

1) Method of entering the test mode (1)

While pressing the CD/LD key, plug the power cord to the AC wall outlet. When the test mode is entered, the FL tube display and LED all lights.

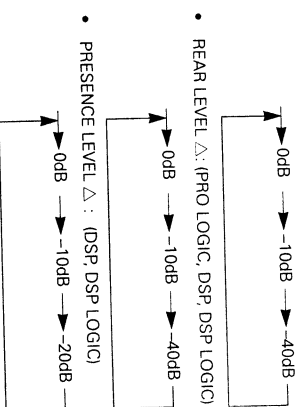
2) Method of entering the test mode (2)

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

- (TUNING) UP/DOWN : DSP
- +10 : DSP LOGIC
- 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.
- BAND : Test tone ON/OFF
- CD DIRECT : Test tone mode
- CENTER LEVEL Δ : (PRO LOGIC, 3-STEREO, DSP LOGIC)



4) Method of cancelling the test mode

When the power cord is plugged in to the AC wall outlet while pressing the TUNER key.

CIRCUIT DESCRIPTION

1.4 Conditions by destination

1) Destination set SW		Reception frequency band	Channel space	Reference frequency	PLL frequency IC
Destination diode SW	Dest-nation	BAND			
0	K/P YM	FM 87.5-108.0 MHz AM 530-1700kHz	100 kHz 10 kHz	50 kHz 10 kHz	L H
1 (ID27 or C3 ON state)	T/E YM	FM 87.5-108.0 MHz AM 531-1602 kHz	50 kHz 9 kHz	50 kHz 9 kHz	L H

2) Specification set SW: AM1700K/AM1610K
With destination set diode SW at "0": Effective only for K and P types.

Specification set diode SW	AM reception frequency band
0	530 - 1610 KHz
1 (ID28)	530 - 1700 KHz

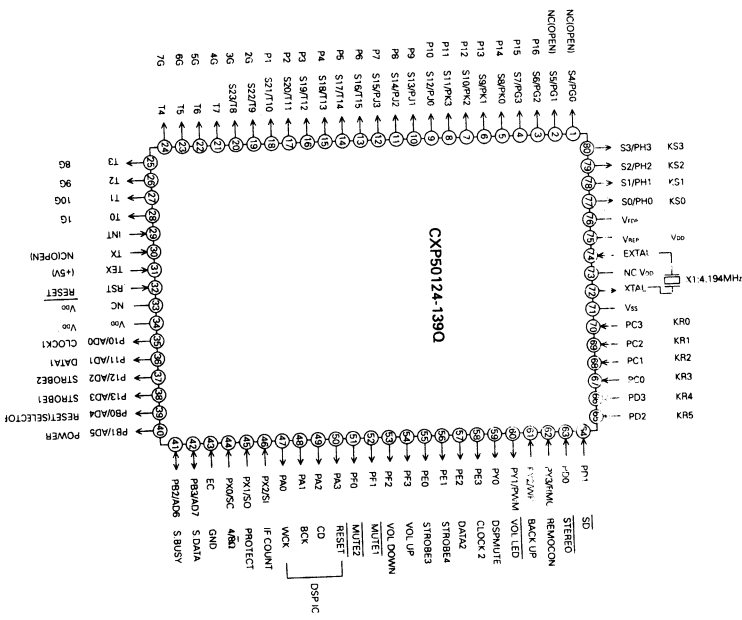
1: Setting diode

3) Surround set SW

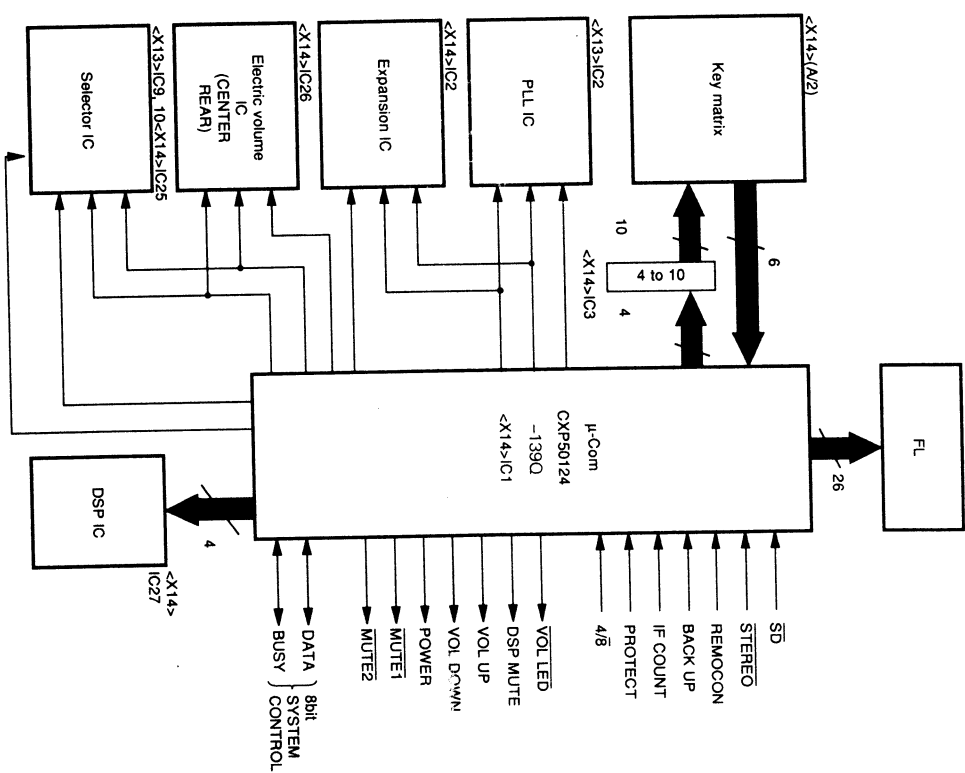
Diode SW	Model name (Destination)	Surround operation
0	KR-V8040	PRO LOGIC, 3-STEREO, DSP, DSP LOGIC
1 (ID31)	E type	PRO LOGIC, 3-STEREO

1: Setting diode

1.5 Pin connection



1.6 Block diagram around the microprocessor



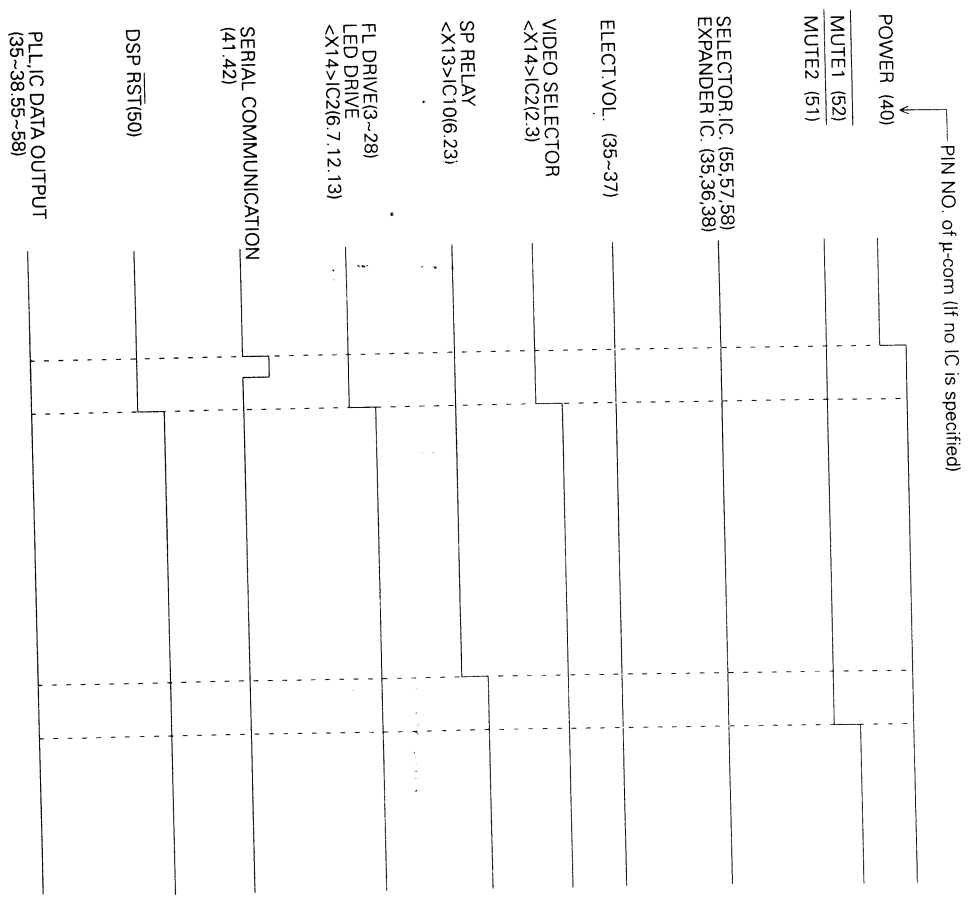
1.7 Pin description

Pin No.	I/O	Name	Function
1,2	—	No use	(OPEN)
3-18	0	SEGMENT 1-16	FL segment (P16-P1)
19-28	0	GRID 9-0	FL grid (2G-10G, 1G)
29-31	1	INT. TX. TEX	No use
32	1	RESET	Reset pin
33	—	No use	(+5V)
34	—	VDD	Power supply pin
35	0	CLOCK 1	Clock 1 (Electric volume IC, Expansion IC)
36	0	DATA 1	DATA 1 (Electric volume IC, Expansion IC)
37	0	STROBE 2	STROBE 2 (Electric volume IC)
38	0	STROBE 1	STROBE 1 (Expansion IC)
39	0	RESET (SELECTOR)	Expansion IC RESET
40	0	POWER	Power ON/OFF
41	I/O	S. BUSY	Serial BUSY
42	I/O	S. DATA	Serial DATA
43	—	EC	(GND)
44	1	4/8	Speaker impedance (4Ω/8Ω) selection H:4Ω L:8Ω
45	1	PROTECT	Protection signal input
46	1	IF COUNT	IF COUNT input
47	0	WCK	DSP IC (YSS215-F) WCK
48	0	BCK	DSP IC (YSS215-F) BCK
49	0	CD	DSP IC (YSS215-F) CD
50	0	RESET	DSP IC (YSS215-F) RESET
51	0	MUTE2	MUTE2
52	0	MUTE1	MUTE1
53	0	VOL. DOWN	Electrically driven volume control
54	0	VOL. UP	Electrically driven volume control
55	0	STROBE3	STROBE3 (Selector IC)
56	0	STROBE4	STROBE4 (PLL IC)
57	0	DATA2	DATA2 (PLL IC, Selector IC)
58	0	CLOCK2	CLOCK2 (PLL IC, Selector IC)
59	0	DSP MUTE	For DSP mute
60	0	VOL LED	Volume LED
61	1	BACKUP	Backup input pin
62	1	REMOCON	Remote control input pin
63	1	STEREO	Stereo detection signal input
64	1	SD	Tuning detection signal input
65-70	1	KRS-0	Key return 5-0
71	—	Vss	GND
72	—	XTAL	System clock oscillation pin
73	—	No use	(GND)
74	1	EXTAL	System clock oscillation pin
75	—	VREF	No use
76	—	VFDP	Power supply for fluorescent display drive pin
77-80	0	KSO-3	Key scan 0-3

1.8 Timing chart

1) POWER

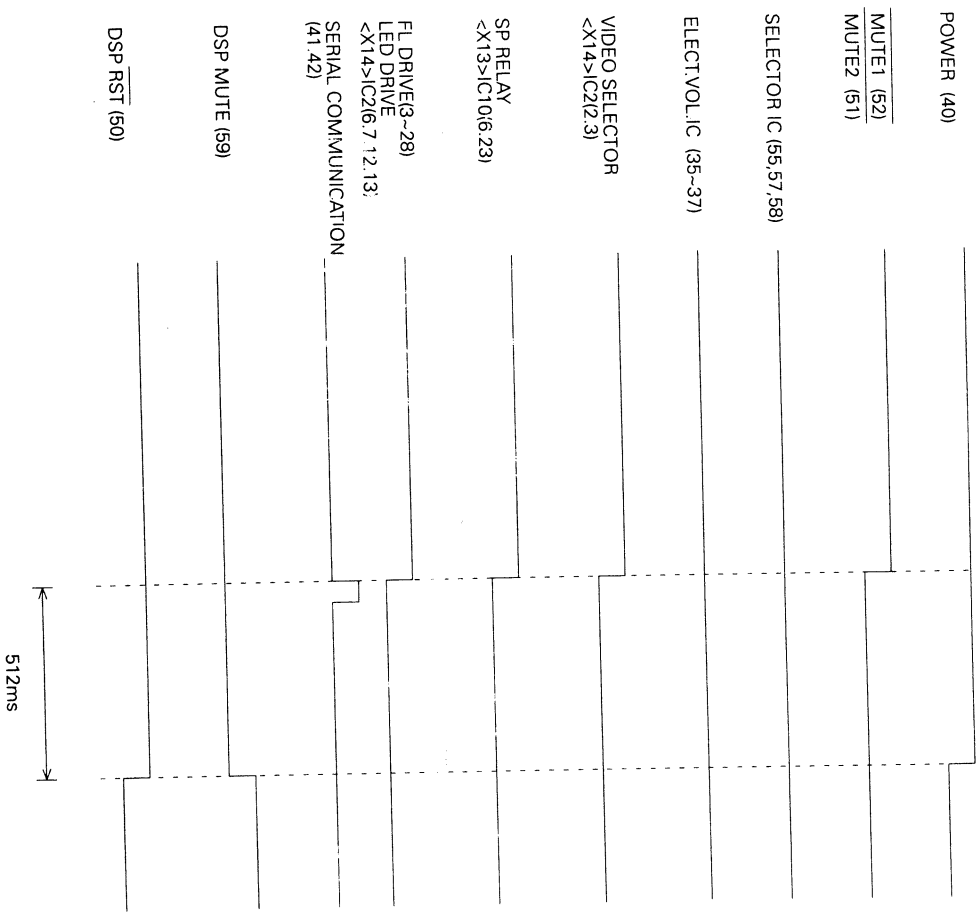
POWER ON



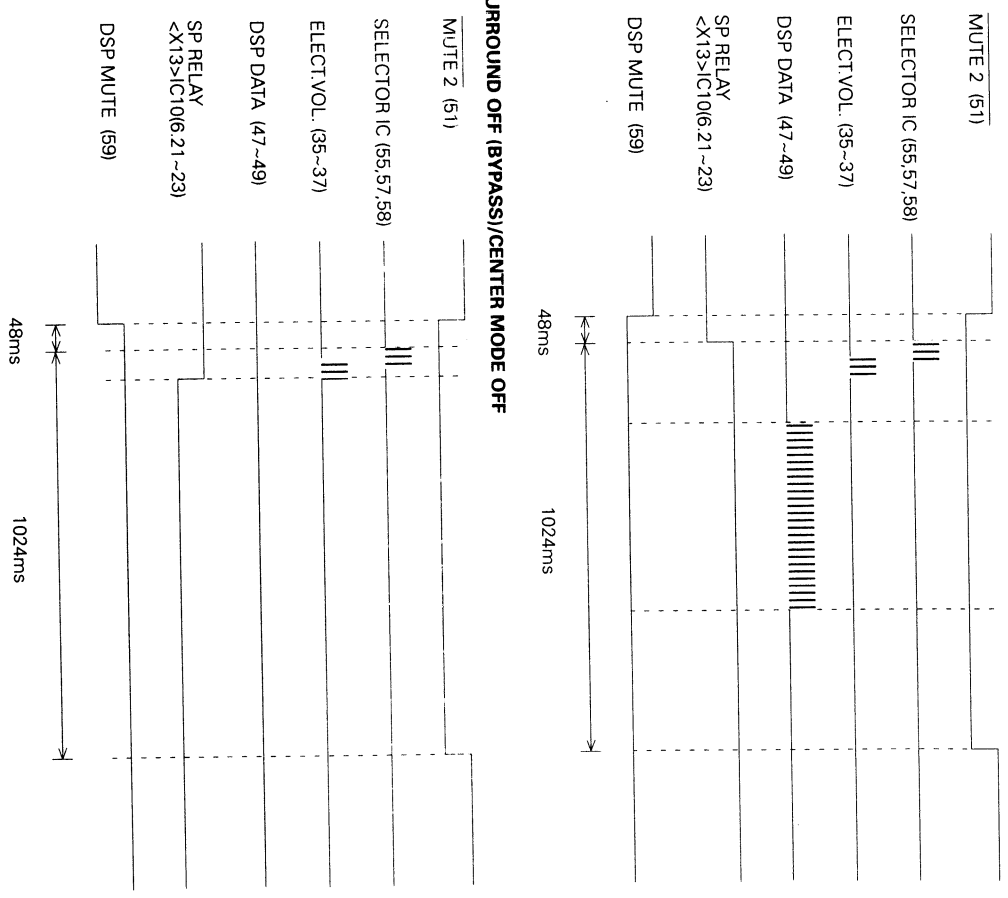
CIRCUIT DESCRIPTION

CIRCUIT DESCRIPTION

POWER OFF

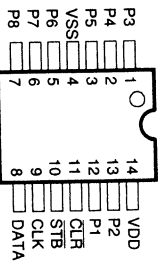


2) SURROUND MODE/CENTER MODE change
SURROUND ON/CENTER MODE ON

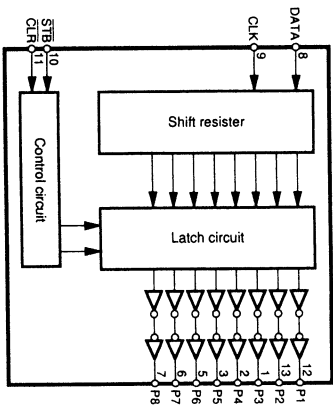


2. 8bit Serial-Parallel IC: NUJ3711D (X14:IC2)

2.1 Pin connection



2.2 Block diagram



2.3 Pin description

Pin No.	Name	Function	Pin No.	Name	Function
1	P3	Parallel conversion data output	8	DATA	Serial data input
2	P4		9	CLK	Clock signal input
3	P5		10	STB	Strobe signal input
4	VSS	GND	11	CLR	CLR signal input
5	P6		12	P1	Parallel conversion data output
6	P7		13	P2	
7	P8	Parallel conversion data output	14	VDD	Power supply (4.5~5.5V)

2.4 Function description

- Reset
When you set the CLR pin to low, all latches are reset, and all parallel outputs go low. Normally, you should set the CLR pin to high.
- Data transfer
When you set the STB pin to high, the serial data input to the DATA pin is loaded into the shift register in synchronization with a rising edge of the clock applied to the CLK pin.

When you set the STB pin to low after necessary serial data is loaded, the contents of the shift register are transferred to the latch circuit.
When the STB pin is low and a clock is input from the CLK pin, the shift register data shifts, so pay attention to the clock signal.
The four input pins have a Schmitt trigger structure with hysteresis to prevent noise.

Pin No.	⑩	⑪	Description
⑨	STB	CLR	Reset all the contents of the latch circuit (the contents of the shift register remain unchanged) and make all parallel outputs low.
X	X	L	Load serial data at the DATA pin to the shift register. The contents of the latch circuit are unchanged.
↕	H	H	Transfer the contents of the shift register to the latch circuit and output the contents of the latch circuit from parallel output.
L	L	H	If CLK is input when STB is low and CLR is high, the contents of the shift register are shifted and the contents of the latch circuit are changed.

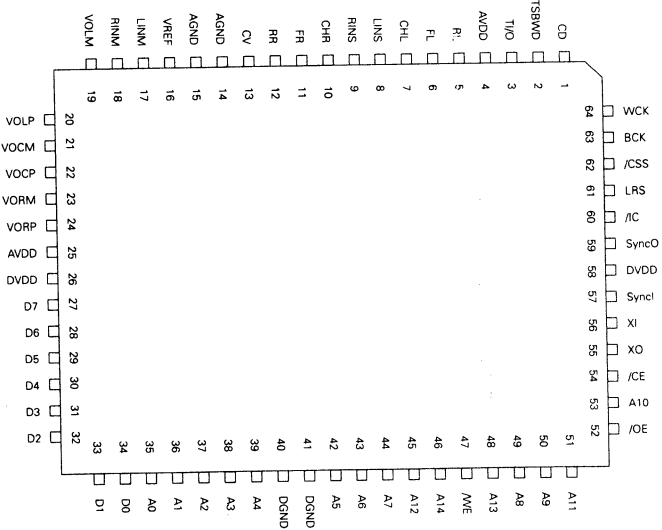
Note: X: Don't care

3. DSP IC: VSS215-F (X14:IC27)

3.1 Features

- High-precision signal processing with 32-bit internal operation word length.
- Analog control of three front channels L-ch, C-ch, and R-ch.
- Contains the directional emphasis circuit by digital signal processing, noise sequencer, 7kHz low-pass filter, varied Dolby B type N.R. decoder (can be turned on and off).
- Built-in auto input balance (can be turned on and off)
- Noise sequence can be controlled by microprocessor.
- Dolby reference operate level: 300 mV r.m.s.
- The sound field can be processed with eight taps and a maximum delay of 370 ms for the S-ch and (L+R) signals in the dolby prologic mode.
- Built-in sound field simulation surround function by digital delay
- Built-in 15-bit floating A/D converter and D/A converter
- 256K pseudo SRAM interface for 16-bit linear external delay
- Parameter control with the microprocessor interface
- Master clock: 11.2896 MHz; Sampling frequency: 44.1 KHz

3.2 Pin connection



CIRCUIT DESCRIPTION

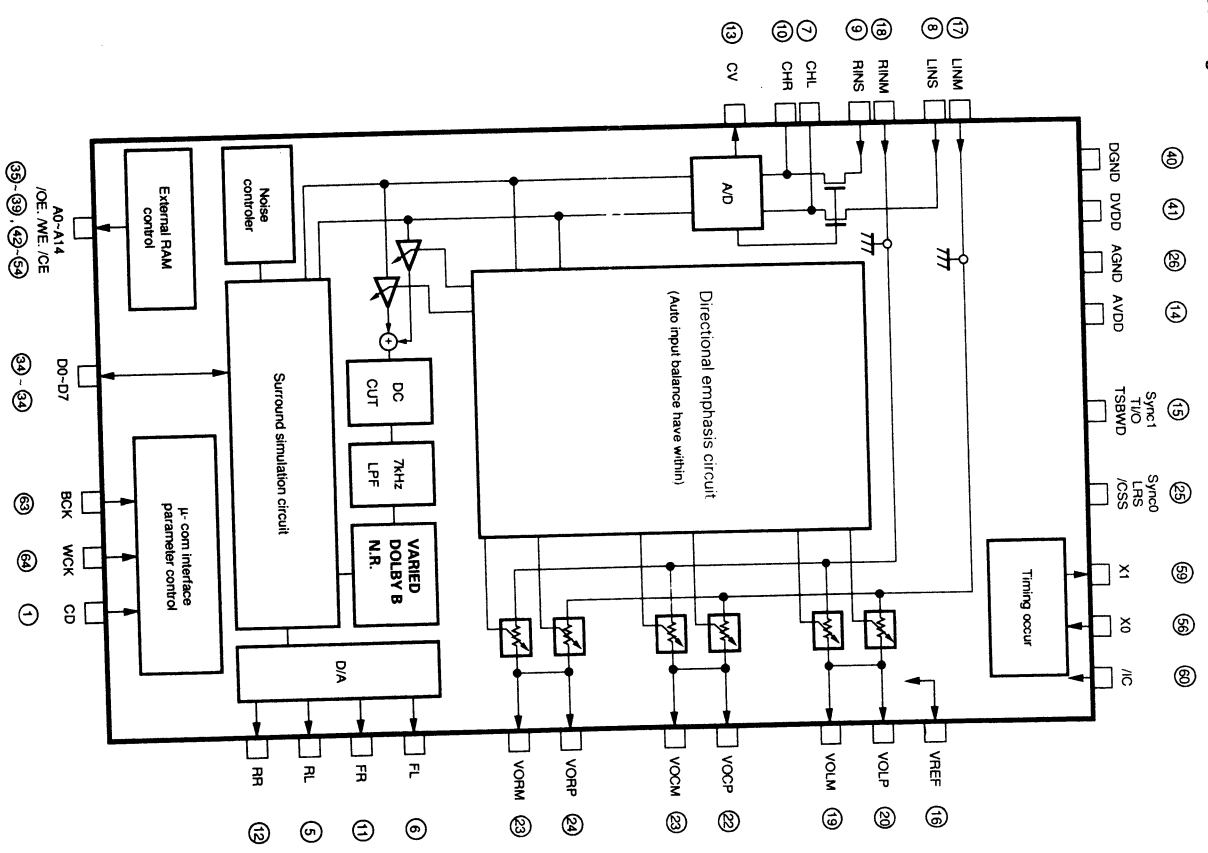
3.3 Pin function

Pin No.	I/O	Name	Function
1	I	CD	Serial data of parameter data input
2	I	TSBWD	LSI test Pin. Normally, connect the DVDD
3	I	TSBWD	LSI test Pin. Normally, connect the DVDD
4	I	TSBWD	LSI test Pin. Normally, connect the DVDD
5	I	TSBWD	LSI test Pin. Normally, connect the DVDD
6	I	TSBWD	LSI test Pin. Normally, connect the DVDD
7	I	TSBWD	LSI test Pin. Normally, connect the DVDD
8	I	TSBWD	LSI test Pin. Normally, connect the DVDD
9	I	TSBWD	LSI test Pin. Normally, connect the DVDD
10	I	TSBWD	LSI test Pin. Normally, connect the DVDD
11	I	TSBWD	LSI test Pin. Normally, connect the DVDD
12	I	TSBWD	LSI test Pin. Normally, connect the DVDD
13	I	TSBWD	LSI test Pin. Normally, connect the DVDD
14	I	TSBWD	LSI test Pin. Normally, connect the DVDD
15	I	TSBWD	LSI test Pin. Normally, connect the DVDD
16	I	TSBWD	LSI test Pin. Normally, connect the DVDD
17	I	TSBWD	LSI test Pin. Normally, connect the DVDD
18	I	TSBWD	LSI test Pin. Normally, connect the DVDD
19	I	TSBWD	LSI test Pin. Normally, connect the DVDD
20	I	TSBWD	LSI test Pin. Normally, connect the DVDD
21	I	TSBWD	LSI test Pin. Normally, connect the DVDD
22	I	TSBWD	LSI test Pin. Normally, connect the DVDD
23	I	TSBWD	LSI test Pin. Normally, connect the DVDD
24	I	TSBWD	LSI test Pin. Normally, connect the DVDD
25	I	TSBWD	LSI test Pin. Normally, connect the DVDD
26	I	TSBWD	LSI test Pin. Normally, connect the DVDD
27-34	I	TSBWD	LSI test Pin. Normally, connect the DVDD
35-39	I	TSBWD	LSI test Pin. Normally, connect the DVDD
40	I	TSBWD	LSI test Pin. Normally, connect the DVDD
41	I	TSBWD	LSI test Pin. Normally, connect the DVDD
42-46	I	TSBWD	LSI test Pin. Normally, connect the DVDD
47	I	TSBWD	LSI test Pin. Normally, connect the DVDD
48-51	I	TSBWD	LSI test Pin. Normally, connect the DVDD
52	I	TSBWD	LSI test Pin. Normally, connect the DVDD
53	I	TSBWD	LSI test Pin. Normally, connect the DVDD
54	I	TSBWD	LSI test Pin. Normally, connect the DVDD
55	I	TSBWD	LSI test Pin. Normally, connect the DVDD
56	I	TSBWD	LSI test Pin. Normally, connect the DVDD
57	I	TSBWD	LSI test Pin. Normally, connect the DVDD
58	I	TSBWD	LSI test Pin. Normally, connect the DVDD
59	I	TSBWD	LSI test Pin. Normally, connect the DVDD
60	I	TSBWD	LSI test Pin. Normally, connect the DVDD
61	I	TSBWD	LSI test Pin. Normally, connect the DVDD
62	I	TSBWD	LSI test Pin. Normally, connect the DVDD
63	I	TSBWD	LSI test Pin. Normally, connect the DVDD
64	I	TSBWD	LSI test Pin. Normally, connect the DVDD

Note
 I: Input pin
 C: CMOS level
 O: Output pin
 S: Schmitt input
 T: TTL level
 A: Analog pin

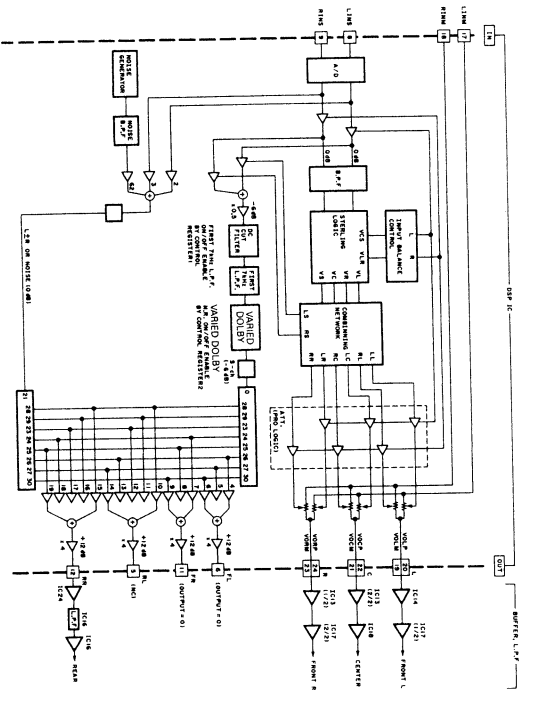
CIRCUIT DESCRIPTION

3.4 Block diagram

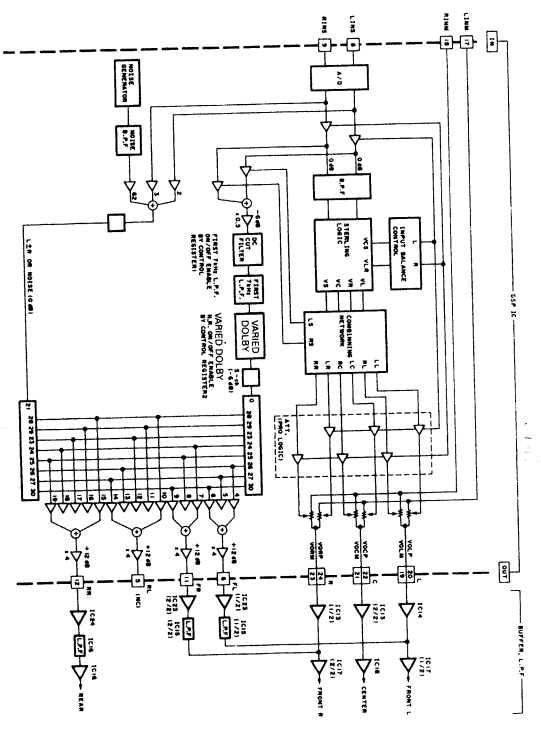


KR-V8040/V8540 CIRCUIT DESCRIPTION

(PRO LOGIC)

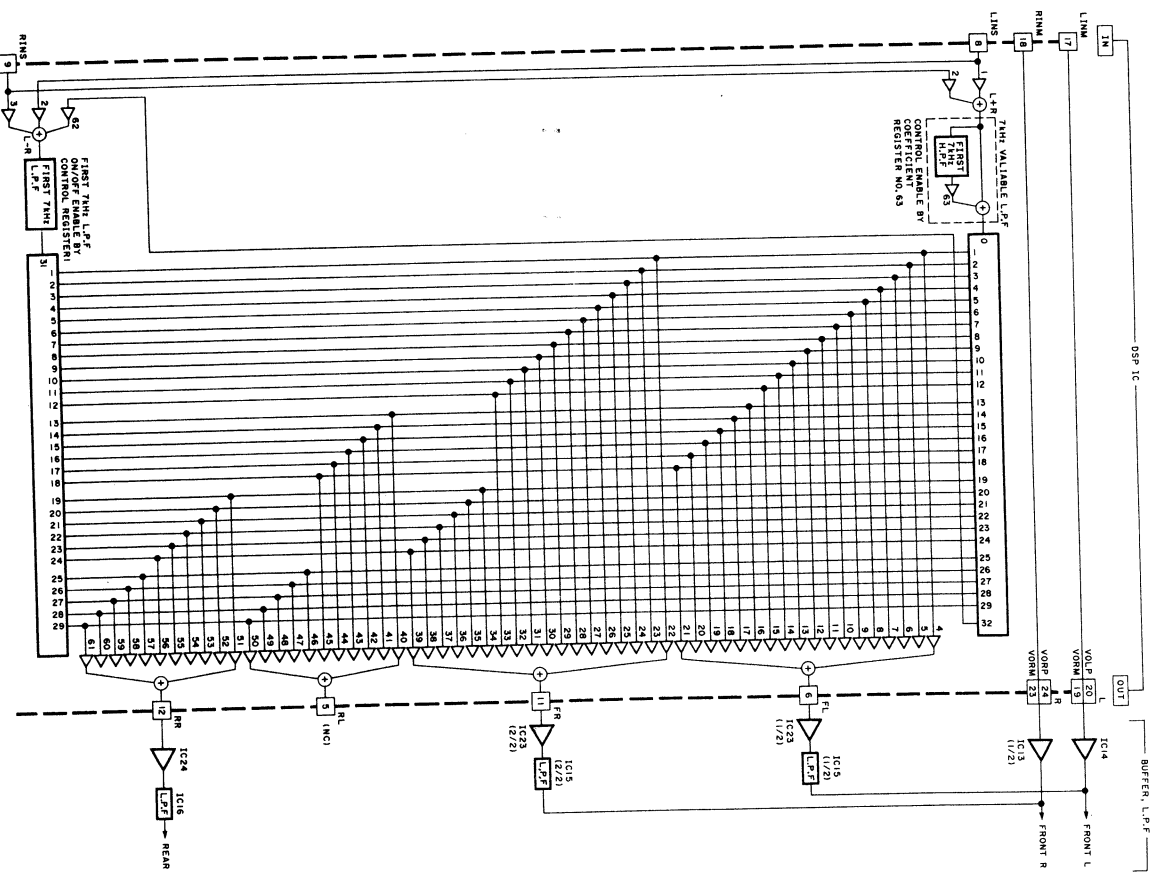


(DSP LOGIC)



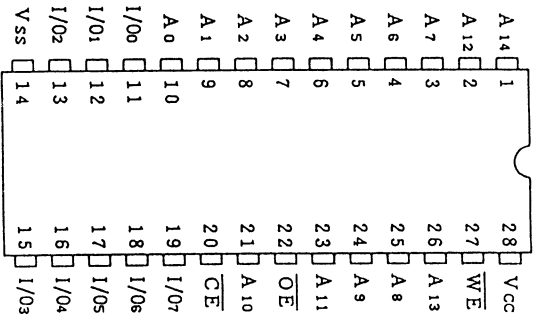
KR-V8040/V8540 CIRCUIT DESCRIPTION

(D.S.P)



4 S-RAM: HM65256BLFP-10(X14:IC28)

4.1 Pin connection

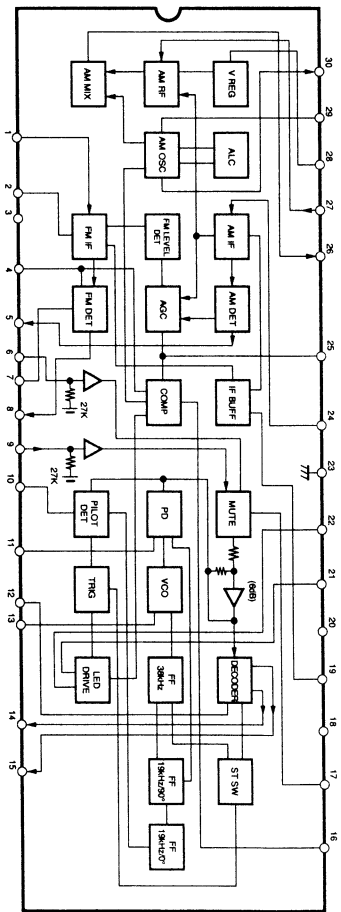


4.2 Function table

CE	OE	WE	I/O pin	Mode
L	L	H	Low Z	Read
L	X	L	High Z	Write
L	H	H	High Z	—
H	L	X	High Z	Refresh
H	H	X	High Z	Standby

5 FM, AM, MPX system (IC: LA1851N (X13:IC1)

5.1 Block diagram

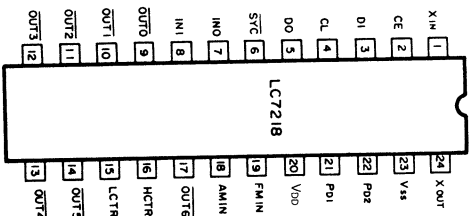


5.2 Pin description

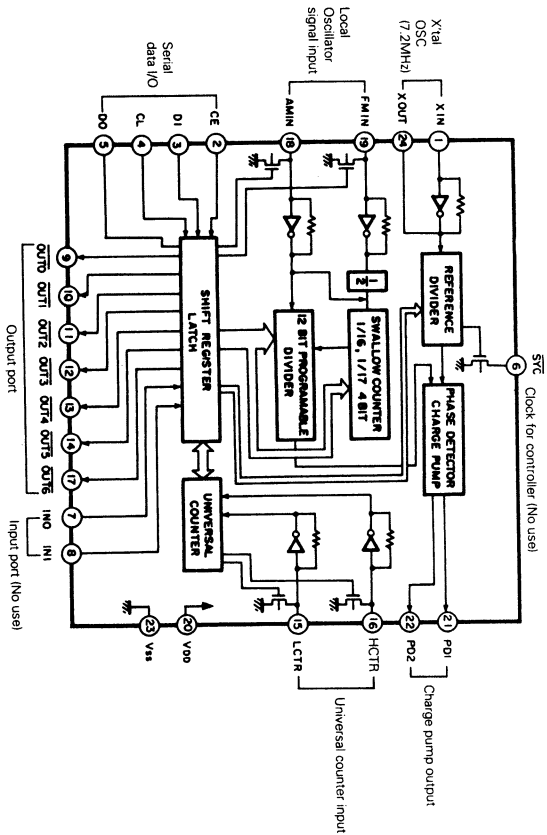
Pin No.	Function	Remark
1	FM IF input	Input impedance: 330Ω
2	FM IF Bias	
3	Vcc	When FM AFC is detuned, the ST LED goes off and the forced monaural mode is set.
4	FM AFC output	
5	AM demodulation output	MPX section, AM demodulation input.
6	MPX AM DET input	Input impedance: 27kΩ
7	FM demodulation output	Output impedance: 5kΩ
8	FM FM DET input	MPX section, FM demodulation input.
9	MPX FM DET input	Input impedance: 27kΩ
10	MPX pilot synchronization detection filter	MPX VCO stops by shorting the voltage at pin 10 to the VCC line at pin 3. A 33kΩ current limiting resistor is required.
11	MPX PLL loop filter	
12	MPX separation control	
13	MPX VCO	Ceramic oscillator
14	MPX Lch output	
15	MPX Rch output	
16	AM/SD ADJ	V _{HL} ≥ 1.5V; Mute ON
17	MPX AF muting drive	V _{HL} < 1.5V; Mute OFF
18	AM/FM change	V _{HL} < 1.5V; FM
19	AM/FM IF count output	V _{HL} ≥ 1.5V; IF CNT ON
	IF count output	V _{HL} < 1.5V; IF CNT OFF
	SW combined use	V _{HL} < 1.5V; Normal
20	TU/ST LED	V _{HL} ≥ 1.5V; LED forced off (forced monaural mode)
		V _{HL} < 1.5V; Normal
21	AM/AM TILLED	
22	MPX ST LED	
23	AM/FM MPX GND	
24	AM IF input	Input impedance: 2kΩ
25	AM AGC output, FM S meter output	
26	AM MIXER output	
27	AM RF input	
28	V Reg	V _{reg} = 2.3V
29	AM OSC	
30	AM OSC buffer output	
	FM SD ADJ combined use	

6 PLL IC:LC7218 (X13:IC2)

6.1 Pin connection

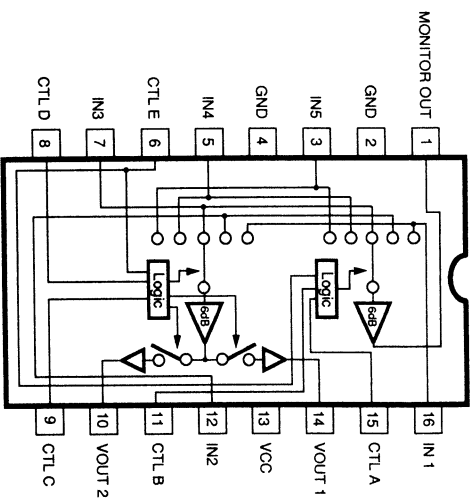


6.2 Block diagram



7 Video amp. selector: BA7626 (X09: IC3)

7.1 Block diagram



7.2 Function table

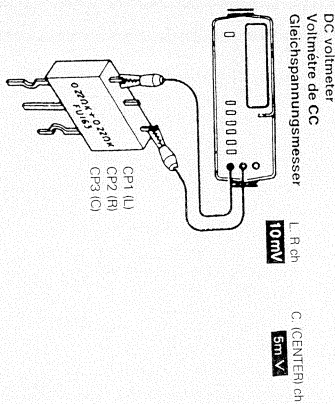
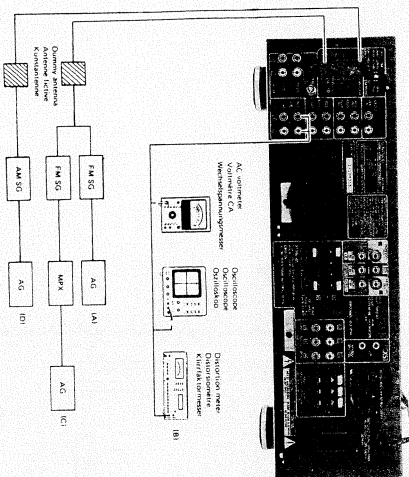
A	B	C	D	E	MONITOR OUT	VOUT1	VOUT2
L	L	L	L	*	IN1	—	IN1
H	L	L	H	*	IN2	IN2	—
L	H	L	H	*	IN3	IN3	IN3
H	H	L	H	L	IN4	IN4	IN4
H	H	H	H	H	IN5	IN5	IN5

H: High L: Low *: High or Low

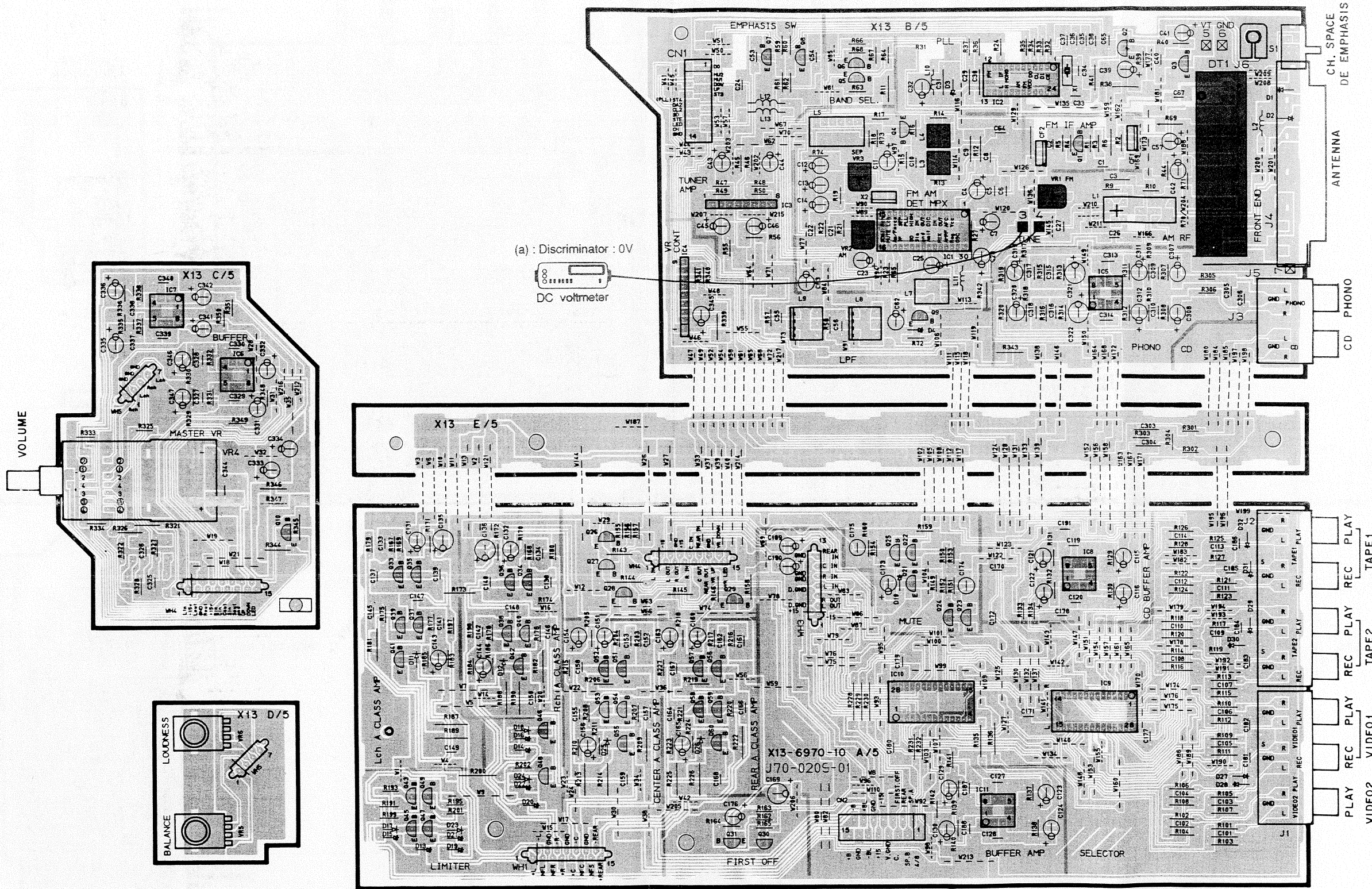
KR-V8040/V8540 ADJUSTMENT

AM Section: If alignment point is "...", confirm the value.
If not, replace the front end rock.

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNE SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
1	DISCriminator	(A) 98.0MHz 1kHz, 15kHz div 500Hz(AFT Input)	Connect a DC voltage source (V1) (X13-2)	AUTO or MANUAL 98.0MHz	V13 (X13-2)	0V	(a)
2	DISORTION (MONO) (1 L type only)	(A) 98.0MHz 1kHz, 200Hz div 1Hz, 15kHz div 500Hz(AFT Input)	(B)	98.0MHz	L4 (X13-2)	Minimum distortion	
3	DISORTION (STEREO)	(A) 98.0MHz 1kHz, 168.25kHz div 1Hz, 15kHz div 500Hz(AFT Input)	(B)	98.0MHz	L7 (X13-2)	Minimum distortion (L or R)	
4	SEPARATION	(A) 98.0MHz Stereo signal 500Hz(AFT Input)	(B)	AUTO 98.0MHz	V3 (X13-2)	Minimum cross-talk	
5	TUNING LEVEL	(A) 98.0MHz div	(B)	AUTO 98.0MHz	V81 (X13-2)	Adjust V81 and stop at the point where EDI (TURNED) goes on	
AM SECTION		(D) 1400(AFT Input) 75u	SELECTOR: AM			Adjust V82 and stop at the point where EDI (TURNED) goes on	
(1)	TUNING LEVEL	(D) 1000(999)kHz 2000(AFT Input)	(B)		V82 (X13-2)		
AUDIO SECTION			(E) Connect a DC voltmeter across GP1(L), GP2(R), GP3(C) (X99-2)	Volume: 0	V81(L), V82(R), V83(C) (X99-2)	10mV(L,R) 5mV(C)	(b)

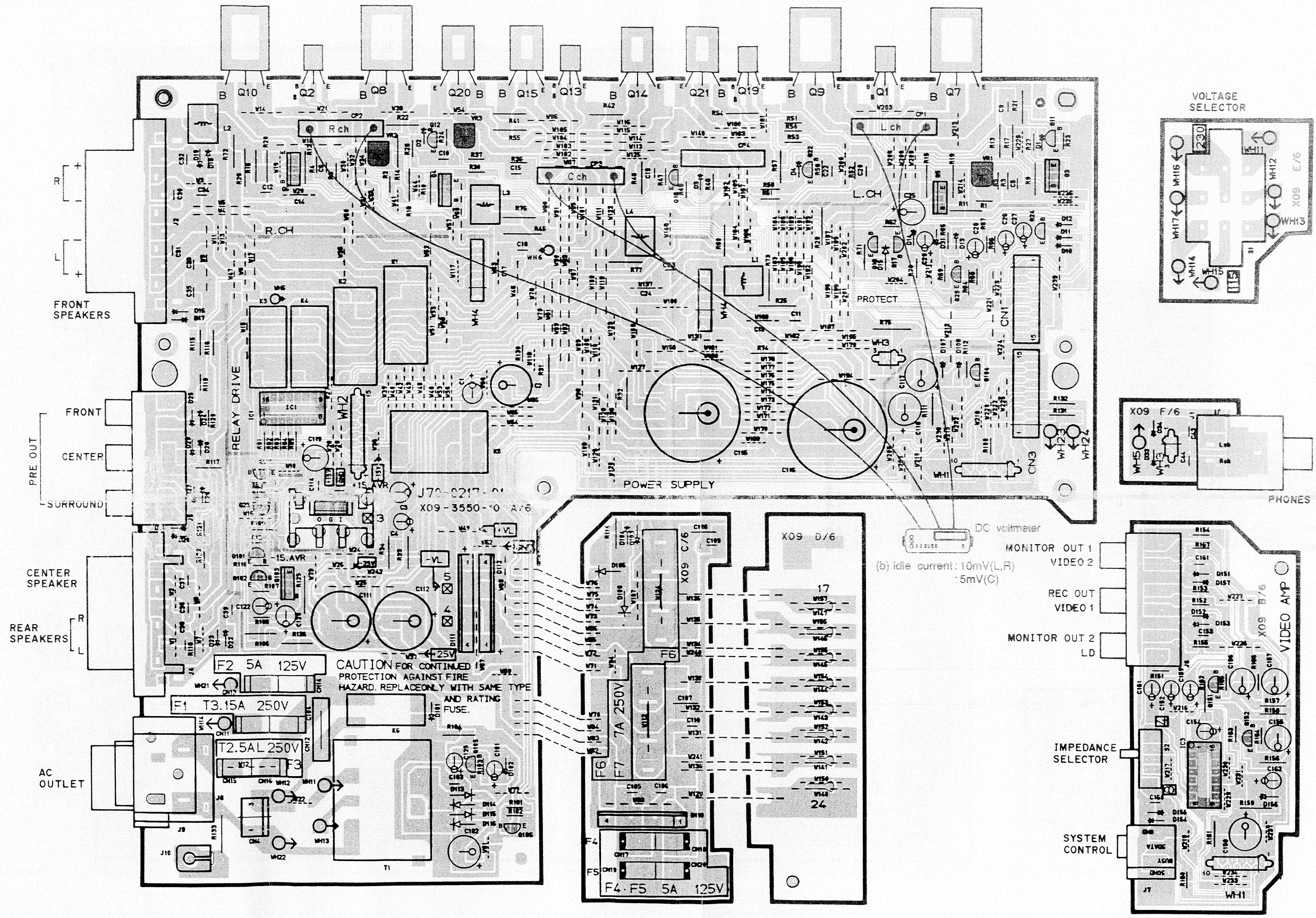


PC BOARD (Component side view)



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

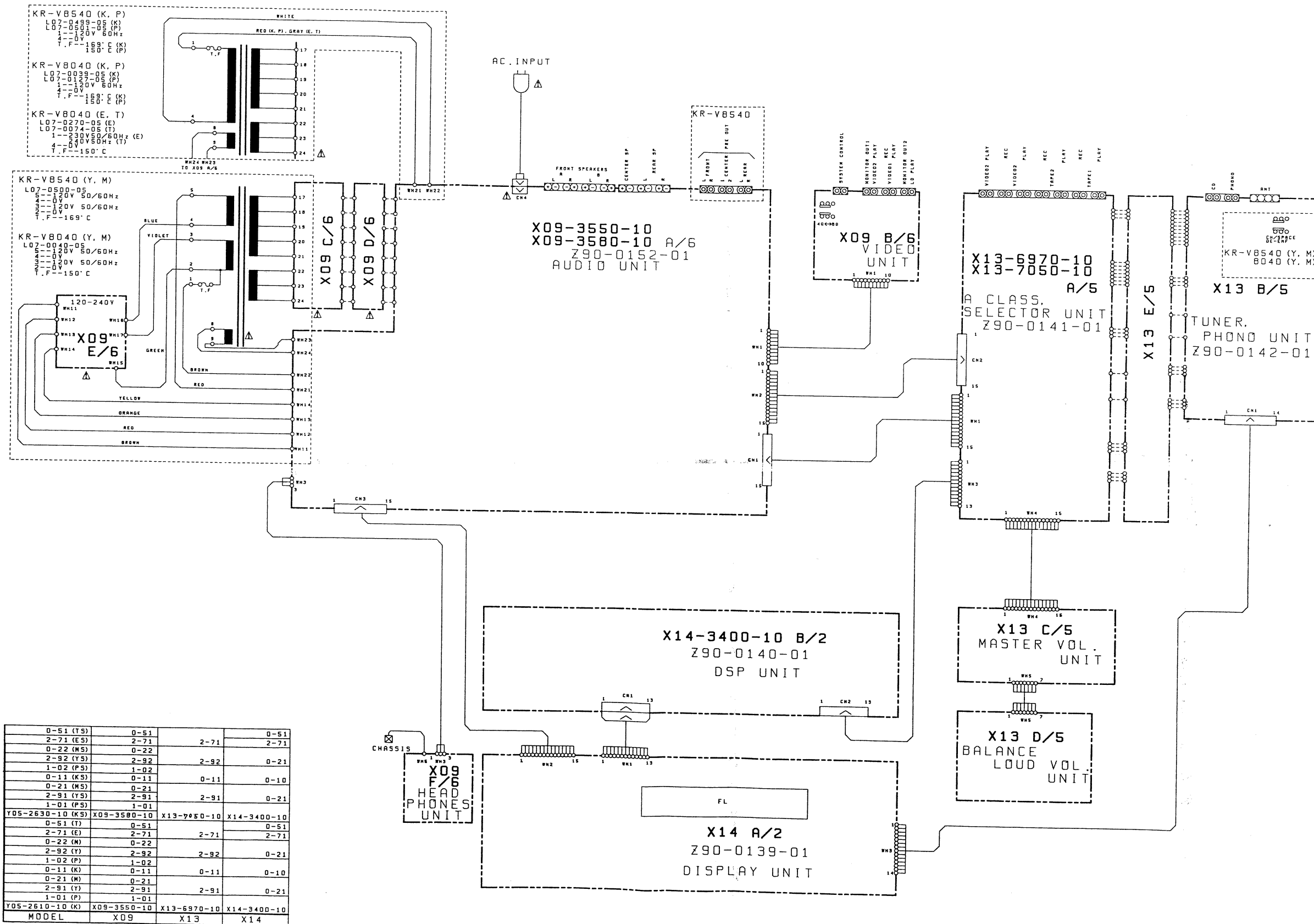
PC BOARD (Component side view)



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

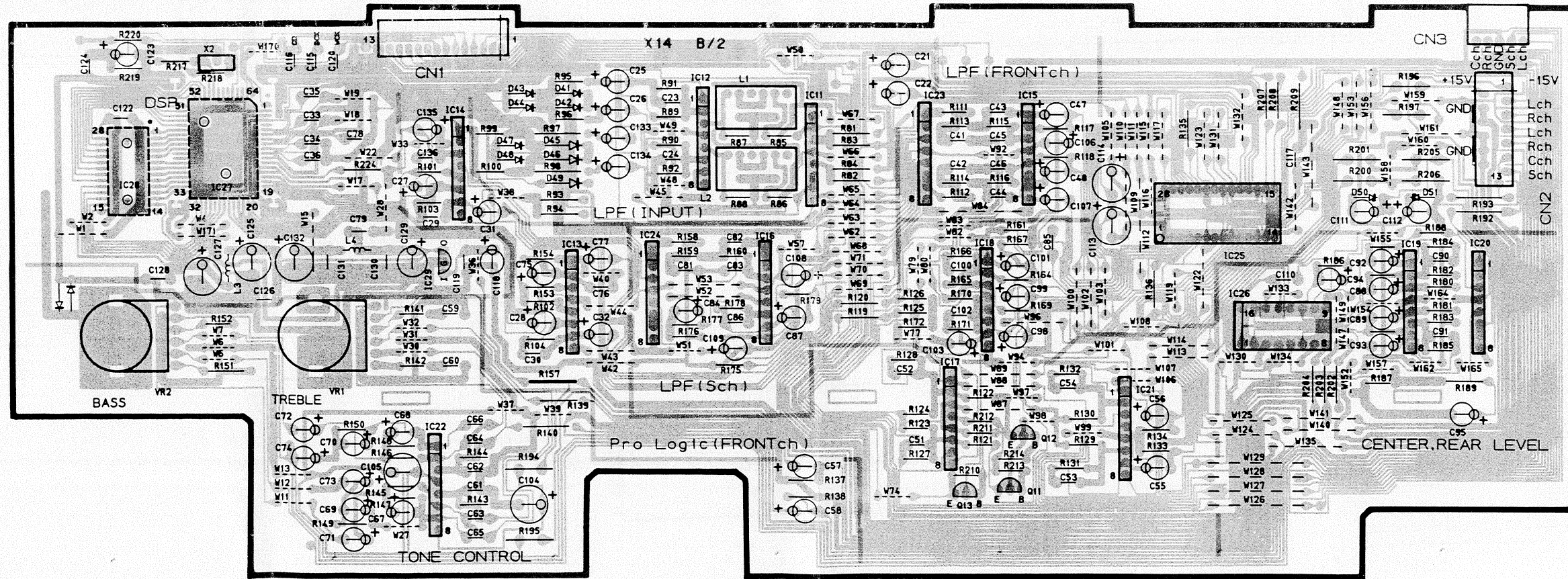
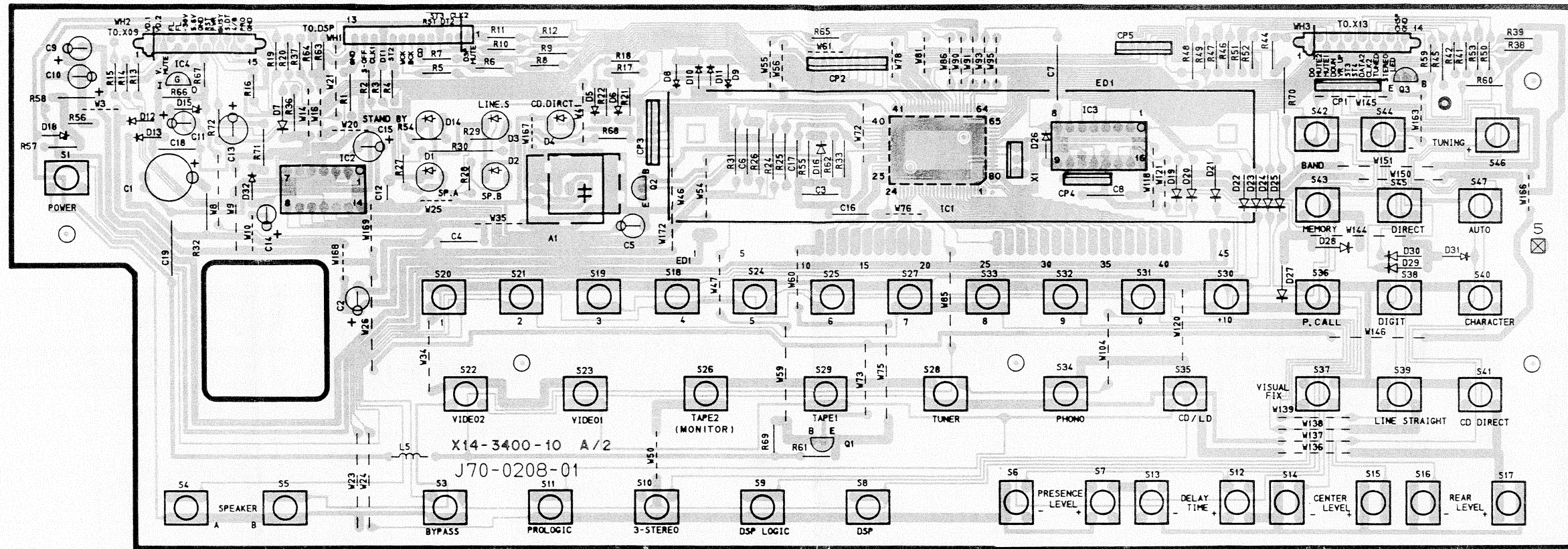
KR-V8040/V8540 KR-V8040/V8540

WIRING DIAGRAM



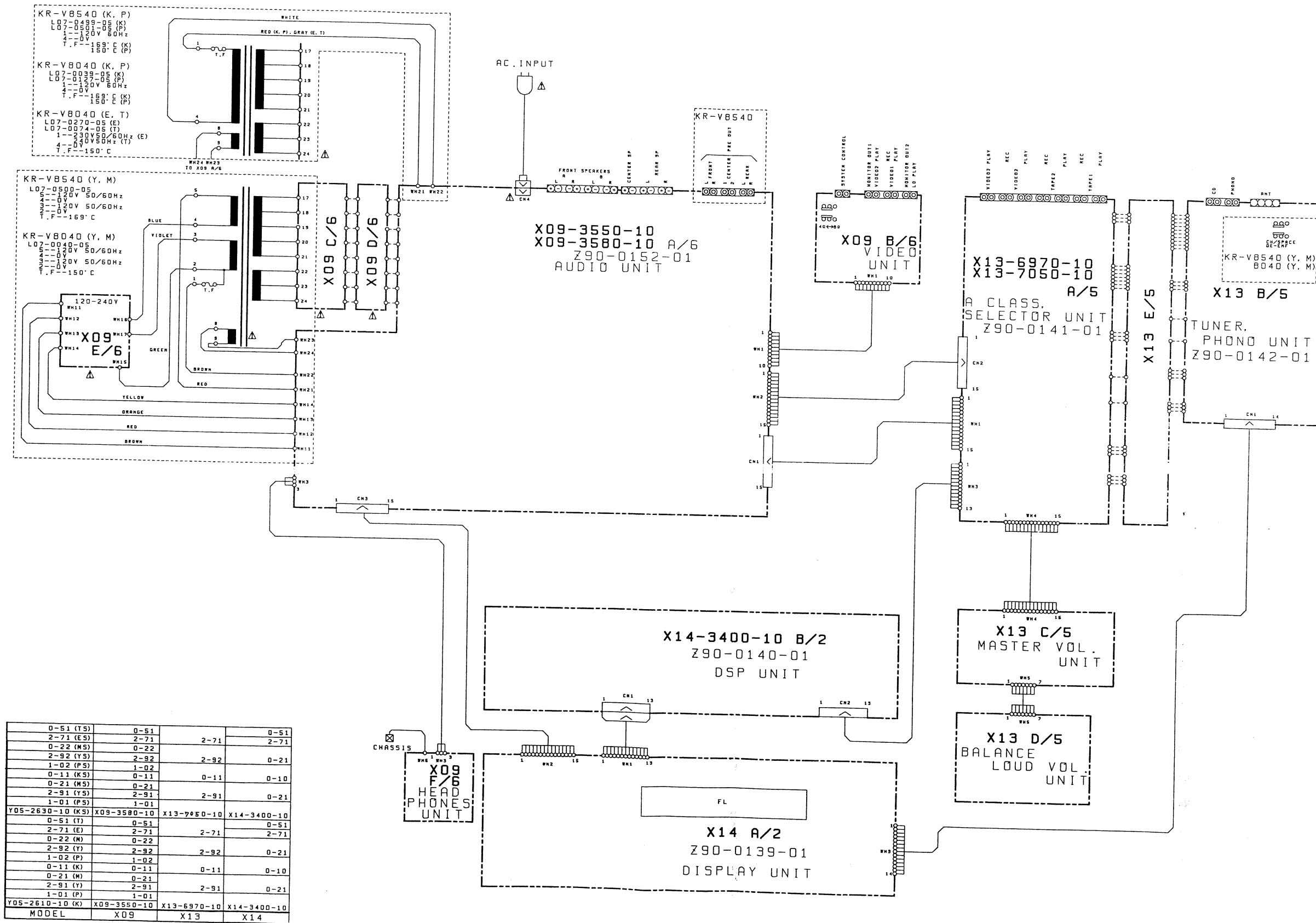
0-51 (TS)	0-51	0-51	0-51
2-71 (ES)	2-71	2-71	2-71
0-22 (NS)	0-22		
2-92 (YS)	2-92	2-92	0-21
1-02 (PS)	1-02		
0-11 (KS)	0-11	0-11	0-10
0-21 (MS)	0-21		
2-91 (YS)	2-91	2-91	0-21
1-01 (PS)	1-01		
Y05-2630-10 (KS)	X09-3580-10	X13-7050-10	X14-3400-10
0-51 (T)	0-51		0-51
2-71 (E)	2-71	2-71	2-71
0-22 (N)	0-22		
2-92 (Y)	2-92	2-92	0-21
1-02 (P)	1-02		
0-11 (K)	0-11	0-11	0-10
0-21 (M)	0-21		
2-91 (Y)	2-91	2-91	0-21
1-01 (P)	1-01		
Y05-2610-10 (K)	X09-3550-10	X13-6970-10	X14-3400-10
MODEL	X09	X13	X14

PC BOARD (Component side view)



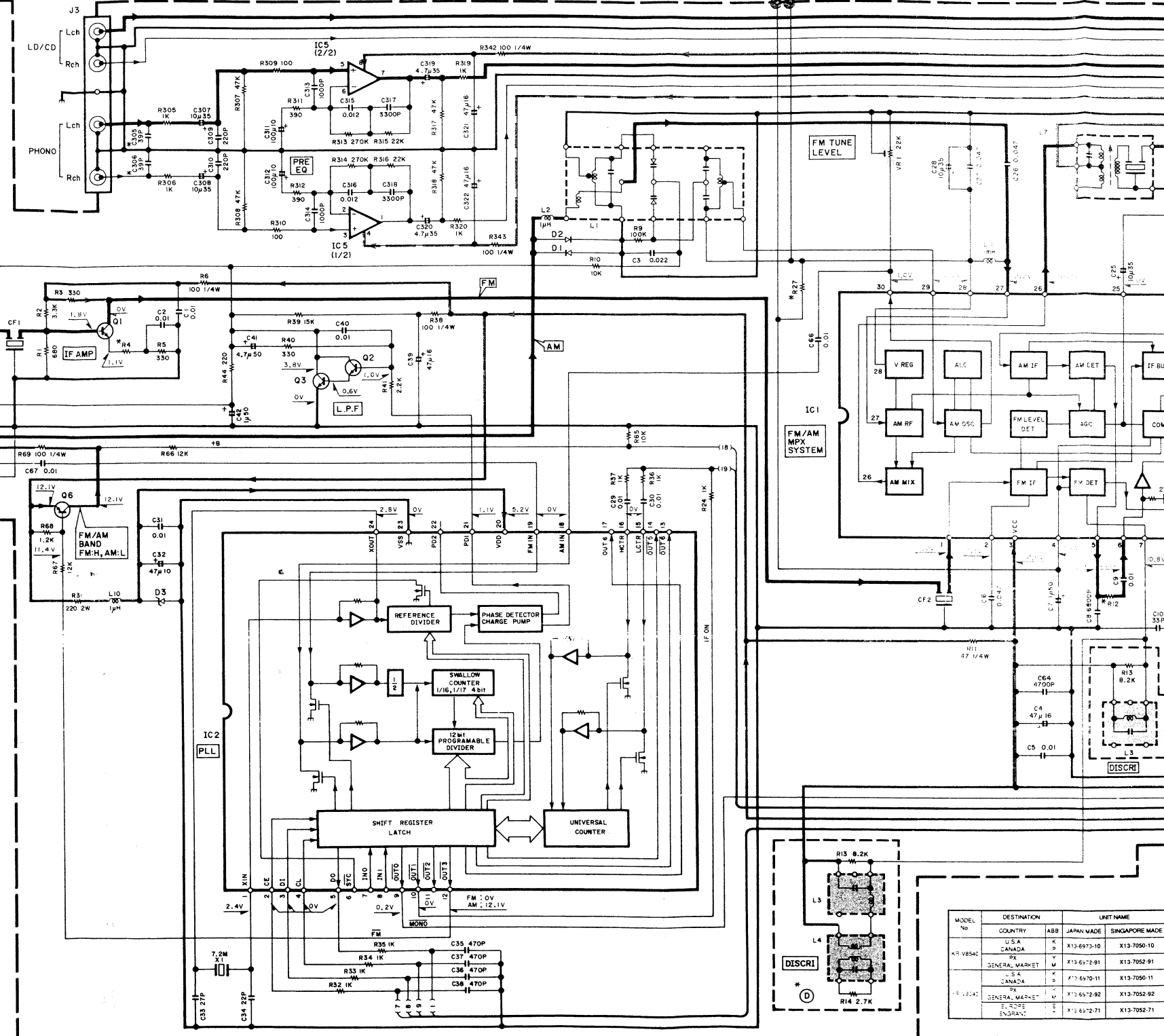
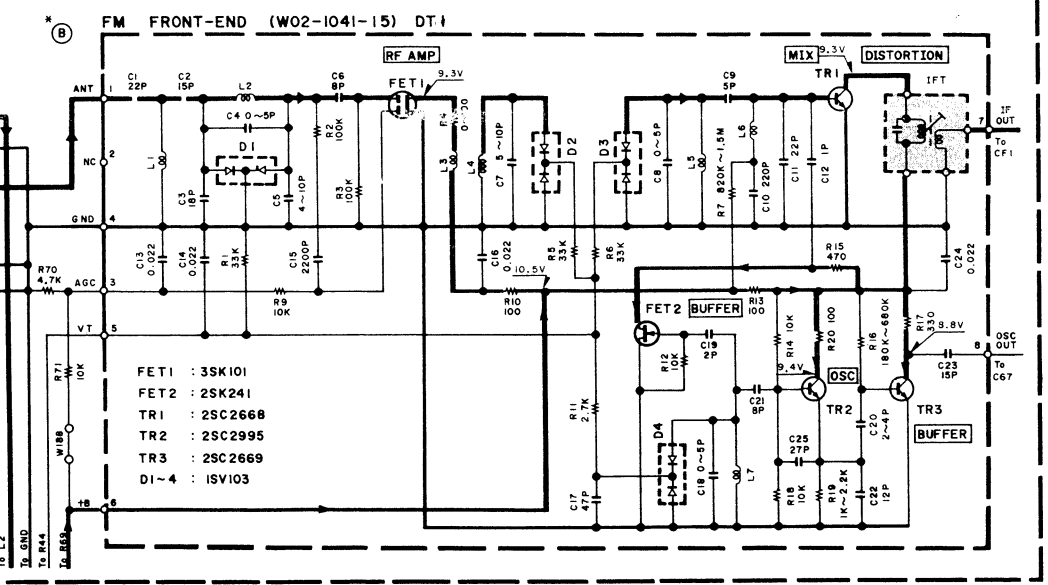
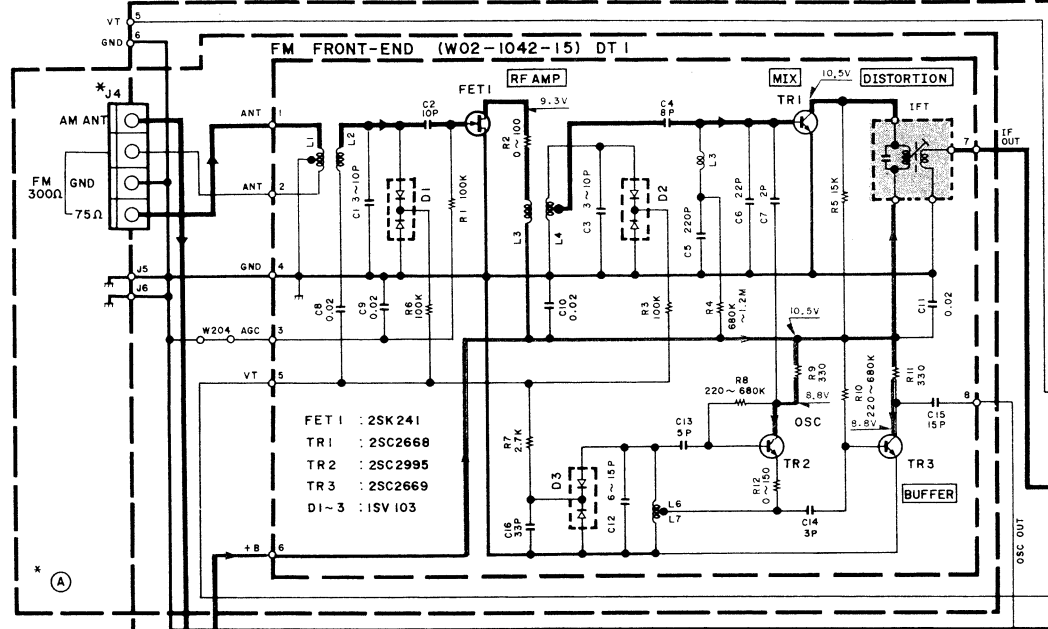
KR-V8040/V8540 KR-V8040/V8540

WIRING DIAGRAM



0-51 (YS)	0-51		0-51
2-71 (ES)	2-71	2-71	2-71
0-22 (MS)	0-22		
2-92 (YS)	2-92	2-92	0-21
1-02 (PS)	1-02		
0-11 (KS)	0-11	0-11	0-10
0-21 (MS)	0-21		
2-91 (YS)	2-91	2-91	0-21
1-01 (PS)	1-01		
Y05-2630-10 (KS)	X09-3580-10	X13-7050-10	X14-3400-10
0-51 (T)	0-51		0-51
2-71 (E)	2-71	2-71	2-71
0-22 (M)	0-22		
2-92 (Y)	2-92	2-92	0-21
1-02 (P)	1-02		
0-11 (K)	0-11	0-11	0-10
0-21 (M)	0-21		
2-91 (Y)	2-91	2-91	0-21
1-01 (P)	1-01		
Y05-2610-10 (K)	X09-3550-10	X13-6970-10	X14-3400-10
MODEL	X09	X13	X14

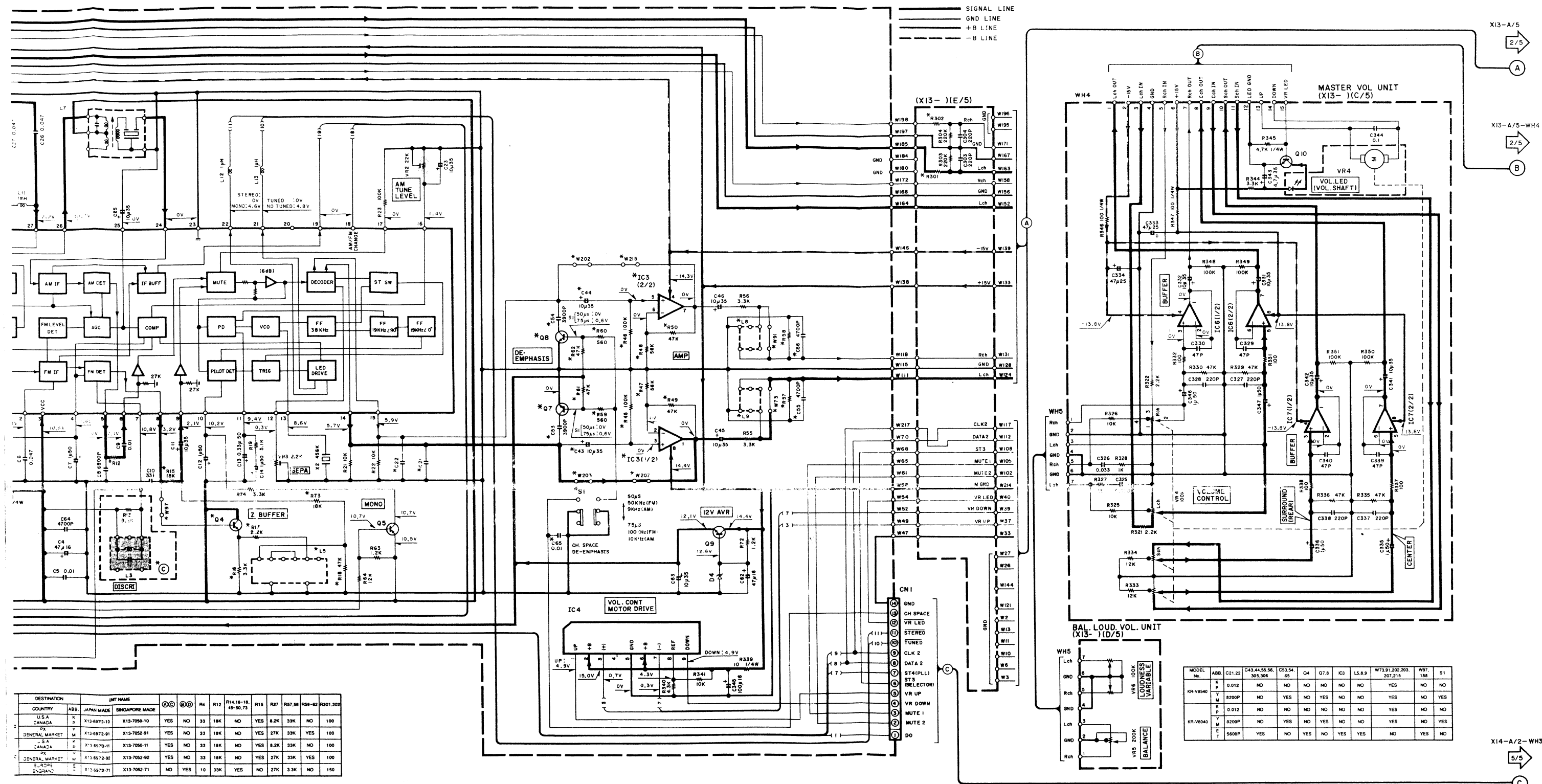
TUNER, PHONO UNIT
(X13-6970-10)(B/5)



- IC1 : LA1851N
- IC2 : LC7218
- IC3 : RC4565L or NJM4565L
- IC4 : TA8409S
- IC5,6 : NJM4580D-D
- IC7,8 : RC4565D-D or NJM4565D-D
- Q1 : 2SC1923(R,O)
- Q2 : 2SC1845(F,E)
- Q3,4,7,8,10 : 2SC2458(Y,GR) or 2SC3311A(Q,R) or 2SC1740S(Q,R) or 2SC2785(F,E)
- Q5,6 : 2SA1048(Y,GR) or 2SA1039A(Q,R) or 2SA1175(F,E) or 2SA933S(Q,R)
- Q9 : 2SC2003(L,K)
- D1,2 : HSS104 or ISS133
- D3 : HZS5.1N(B2) or RD5.1ES(B2)
- D4 : HZS13N(B2) or RD13ES(B2)

MODEL No	DESTINATION	ABB	JAPAN MADE	UNIT NAME
A-R-V854C	U.S.A	K	X13-6973-10	X13-7050-10
	CANADA	P	X13-6973-10	X13-7052-91
	GENERAL MARKET	M	X13-6972-91	X13-7052-91
A-R-V854C	U.S.A	K	X13-6970-11	X13-7050-11
	CANADA	P	X13-6970-11	X13-7052-92
	GENERAL MARKET	M	X13-6972-92	X13-7052-92
A-R-V854C	U.S.A	K	X13-6972-71	X13-7052-71
	CANADA	P	X13-6972-71	X13-7052-71

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



DESTINATION	ABB	JAPAN MADE	SINGAPORE MADE	Ⓞ	Ⓢ	R4	R12	R14,18-18	R15	R27	R57,58	R59-62	R301,302
U.S.A. CANADA	K P	X13-6873-10	X13-7050-10	YES	NO	33	18K	NO	YES	8.2K	33K	NO	100
GENERAL MARKET	M	X13-6972-81	X13-7052-81	YES	NO	33	18K	NO	YES	27K	33K	YES	100
U.S.A. CANADA	K P	X13-6570-11	X13-7050-11	YES	NO	33	18K	NO	YES	8.2K	33K	NO	100
GENERAL MARKET	M	X13-6572-92	X13-7052-92	YES	NO	33	18K	NO	YES	27K	33K	YES	100
U.S.A. CANADA	K P	X13-6572-71	X13-7052-71	NO	YES	10	33K	YES	NO	27K	3.3K	NO	150

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.

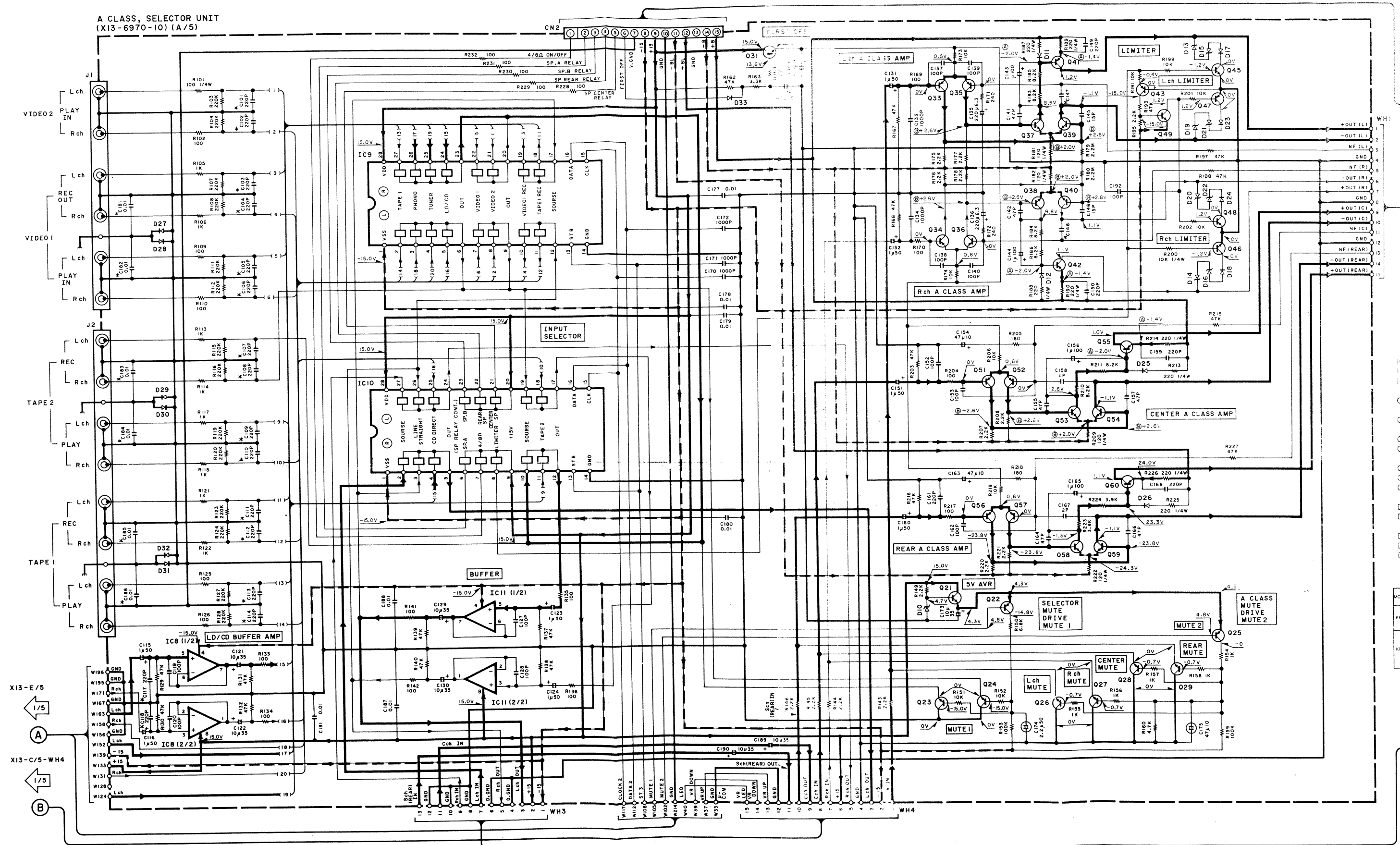
Y05-2610-10

KR-V8040/V8540 (1/6)

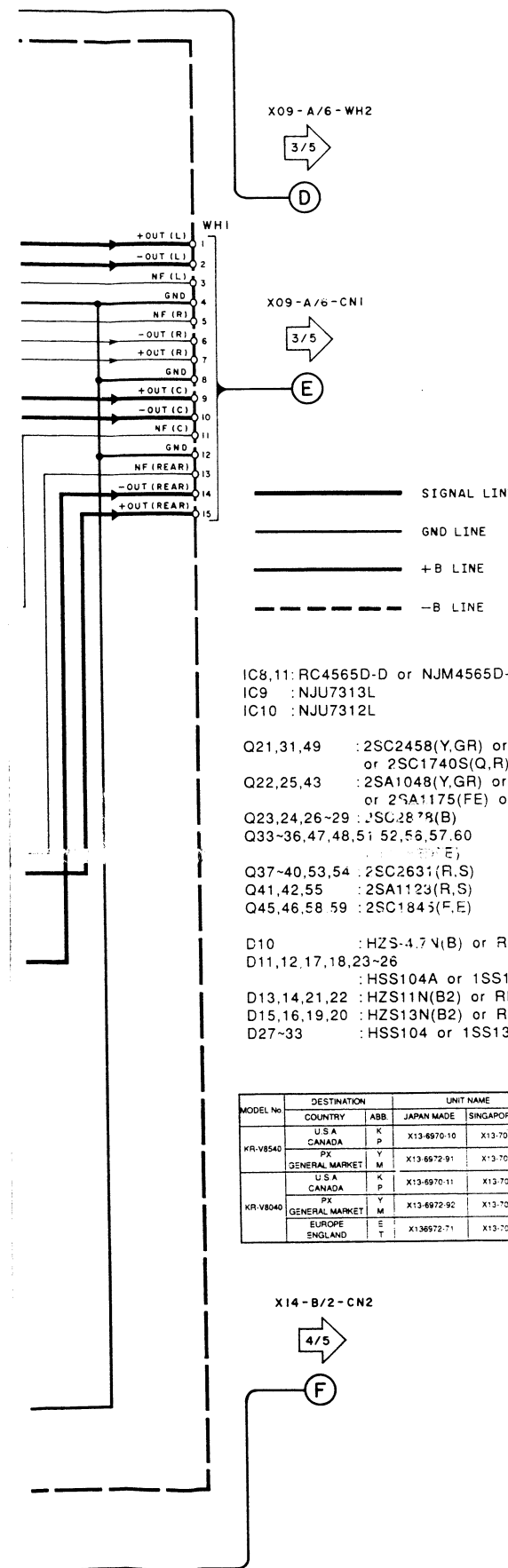
KR-V8040/V8540
KENWOOD

MODEL No.	ABB	C21,22	C43,44,55,56,301,302	C53,54,55	Q4	Q7,8	IC3	L5,8,9	W73,81,202,203,207,215	W97,138	S1
KR-V8540	K P	0.012	NO	NO	NO	NO	NO	NO	YES	NO	NO
	Y M	8200P	NO	YES	NO	YES	NO	NO	YES	NO	YES
KR-V8040	K P	0.012	NO	NO	NO	NO	NO	NO	YES	NO	NO
	Y M	8200P	NO	YES	NO	YES	NO	NO	YES	NO	YES
	E T	5600P	YES	NO	YES	NO	YES	YES	NO	YES	NO

A CLASS, SELECTOR UNIT
(X13-6970-10) (A/5)



IC8,1
IC9
IC10
Q21,3
Q22,2
Q23,2
Q33,2
Q37,4
Q41,4
Q45,4
D10
D11,1
D13,1
D15,1
D27,4
MODEL NO.
PR V8540
RP V8040
X1



IC8,11: RC4565D-D or NJM4565D-D
 IC9 : NJU7313L
 IC10 : NJU7312L

Q21,31,49 : 2SC2458(Y,GR) or 2SC3311A(Q,R)
 or 2SC1740S(Q,R) or 2SC2785(F,E)
 Q22,25,43 : 2SA1048(Y,GR) or 2SA1309A(Q,R)
 or 2SA1175(FE) or 2SA933S(Q,R)

Q23,24,26-29 : 2SC2878(B)
 Q33-36,47,48,51,52,56,57,60
 (F,E)

Q37-40,53,54 : 2SC2631(R,S)
 Q41,42,55 : 2SA1123(R,S)
 Q45,46,58,59 : 2SC1845(F,E)

D10 : HZS-4.7V(B) or RD4.7ES(B)
 D11,12,17,18,23-26
 : HSS104A or 1SS131
 D13,14,21,22 : HZS11N(B2) or RD11ES(B2)
 D15,16,19,20 : HZS13N(B2) or RD13ES(B2)
 D27-33 : HSS104 or 1SS133

MODEL No	DESTINATION		UNIT NAME		C101-106,109-114 181-186,117,118	C147 148
	COUNTRY	ABB.	JAPAN MADE	SINGAPORE MADE		
KR-V8540	U.S.A.	K	X13-6970-10	X13-7050-13	NO	2P
	CANADA	P				
	GENERAL MARKET	M	X13-6972-91	X13-7052-91	NO	2P
KR-V8040	U.S.A.	K	X13-6970-11	X13-7050-11	NO	7P
	CANADA	P				
	GENERAL MARKET	M	X13-6972-92	X13-7052-92	NO	7P
	EUROPE	E	X136972-71	X13-7052-71	YES	7P
	ENGLAND	T				

2SA1123
2SA1284
2SA992
2SA999
2SB764
2SC1845
2SC1923
2SC2003
2SC2631
2SC2878
2SD863

2SA1309A
2SC3311A

RC4565D-D

NJM4565L

2SC2921LB

RC4565L

LC7218

2SB1493BT
2SD2255BT

2SD2012

NJU7311L
NJU7312L
NJU7313L

2SA1175
2SC2785

NJM4565D-D

2SA1048
2SA933S
2SC1740S
2SC2458

XRU4028B

NJU3711D

2SA1215LB

NJM78L05A

BA12004
BA7626
TC9213P

PST529C

2SA1535A
2SC3944A
2SD2061

TA8409S

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

CAUTION: For continued safety, replace safety critical components only with manufacture'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.

X13 - A/5
- WHI

2/5

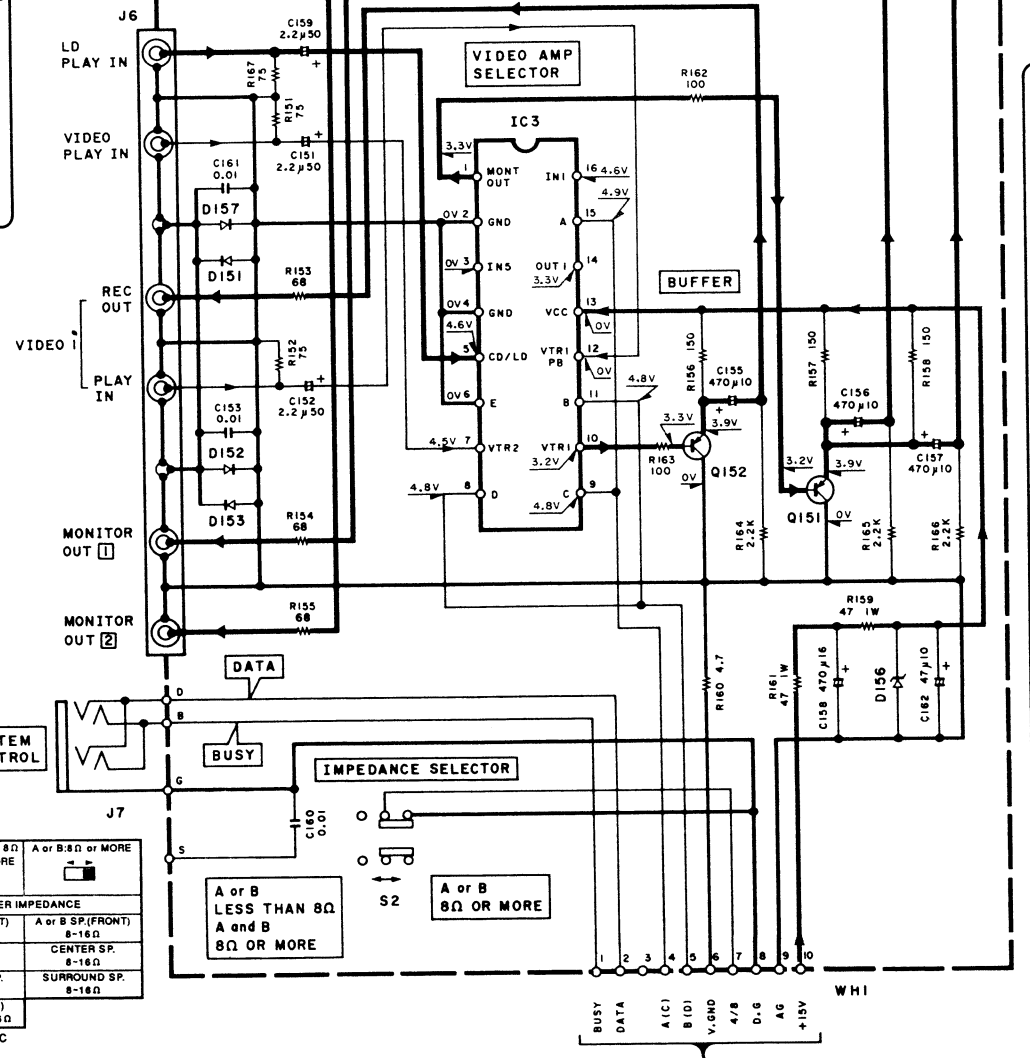
E

X13 - A/5
- CN2

2/5

D

VIDEO UNIT (X09-3550-11) (B/6)



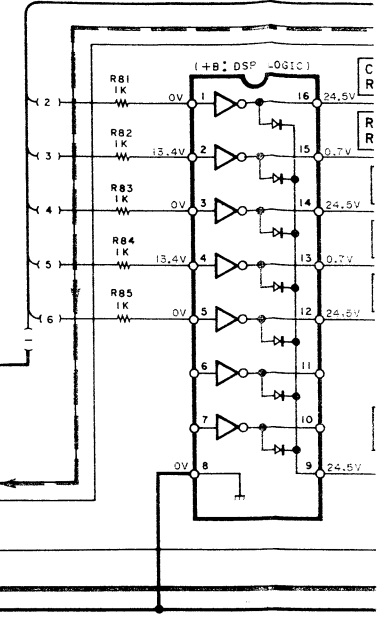
RELAY ON	SPEAKER IMPEDANCE
K1 or K2	A or B SP.(FRONT) 4-8Ω
K3	CENTER SP. 8-16Ω
K4	SURROUND SP. 8-16Ω
K1, K2, K5	(BYPASS ONLY) A and B SP. 8-16Ω

- Q1, 2, 13, 19 : 2SC4137F19 (V, W)
- Q7, 8 : 2SD2222BT
- Q9, 10 : 2SB1470BT
- Q11, 12, 16, 24 : 2SC2631 (R, S)
- Q14 : 2SB1493BT or 2SB1993BT *1
- Q15 : 2SD2255BT or 2SD2255BT *1
- Q17, 18, 22 : 2SC1845 (F, E)
- Q20 : 2SB1531BT
- Q21 : 2SD2340BT
- Q23 : 2SB764
- Q25 : 2SA1123 (R, S)
- Q26, 27 : 2SC2458 (Y, GR) or 2SC3311A (Q, R)
- Q101, 102 : 2SA1048 (Y, GR) or 2SA1309A (Q, R) or 2SA1175 (F, E) or 2SA933S (Q, R)
- Q103 : 2SD2012 or 2SD2061 or 2SD2374
- Q104 : 2SA1284
- Q105 : 2SD863
- Q106 : 2SC2003 (L, K)
- Q151, 152 : 2SA999

- D1-4, 10-13, 15, 31, 103, 104 : HSS104A or 1SS131
- D14 : HZS5.1N (B2) or RD5.1ES (B2)
- D33, 34, 101, 151-153, 157 : HSS104 or 1SS133
- D102 : HZS6.2N (B2) or RD6.2ES (B2)
- D105, 106, 113-116 : S5688B
- D107 : HZS15N (B2) or RD15ES (B2)
- IC1 : BA12004
- IC2 : μPC7815H or TA7815AP
- IC3 : BA7626

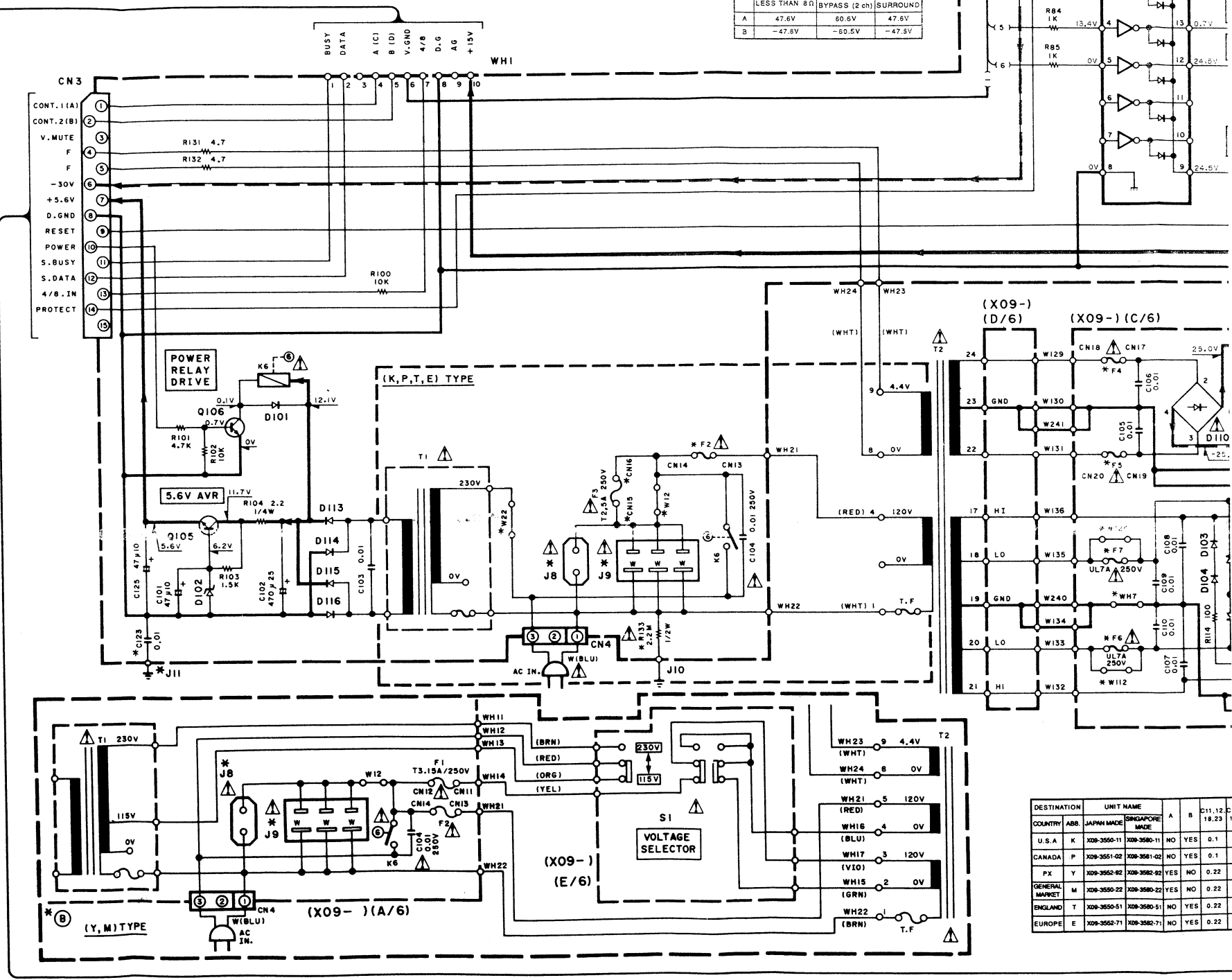
DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

AUDIO UNIT (X09-3550-11) (A/6)



IMPEDANCE SELECTOR (X09) S1

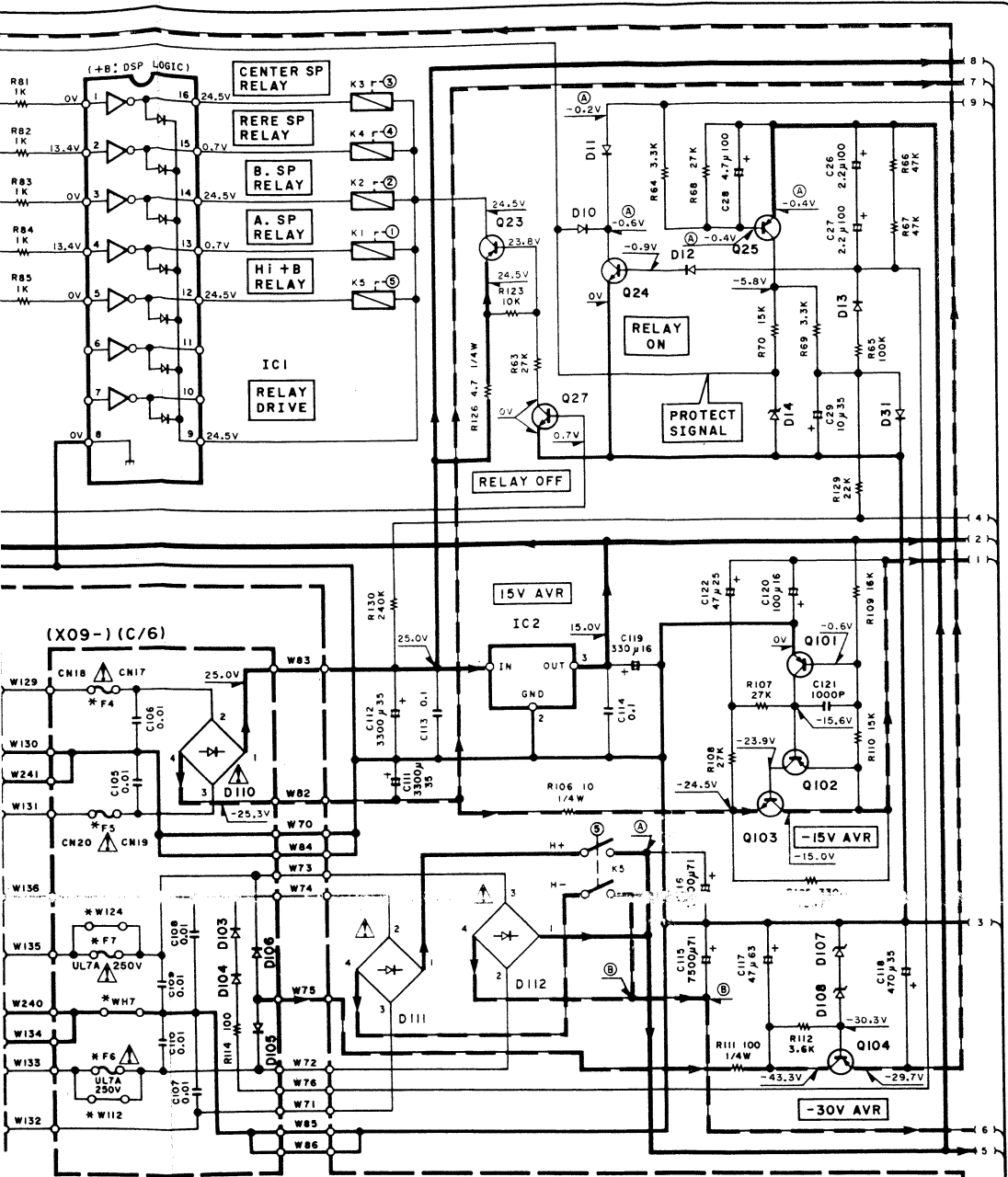
	A or B: LESS THAN 8Ω	A or B: 8Ω or MORE
A	47.6V	60.6V
B	-47.6V	-60.6V



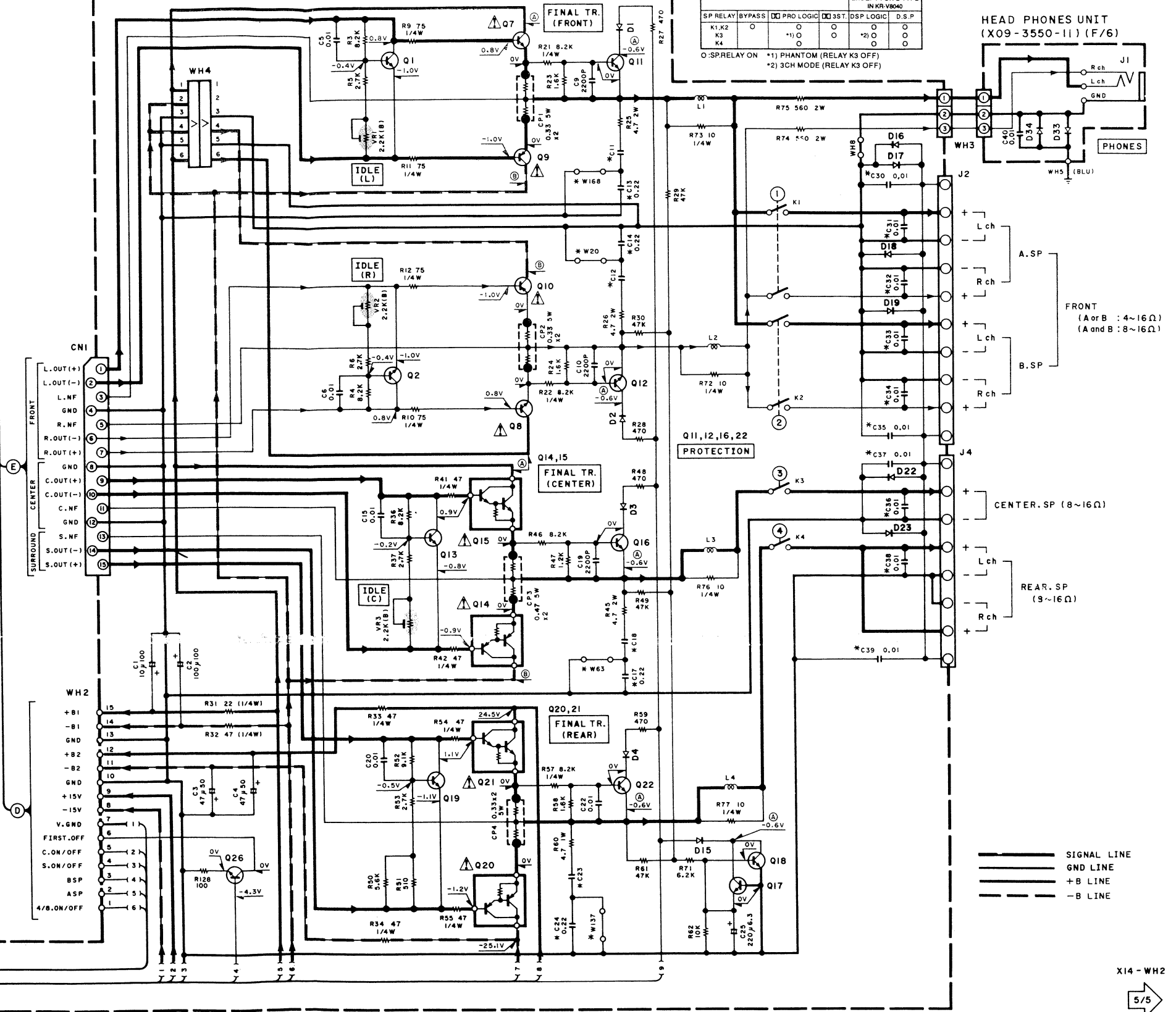
DESTINATION	UNIT NAME	A	B	011, 12, 13
U.S.A. K	X09-3550-11	NO	YES	0.1
CANADA P	X09-3551-02	NO	YES	0.1
PX Y	X09-3552-02	YES	NO	0.22
GENERAL MARKET M	X09-3550-22	YES	NO	0.22
ENGLAND T	X09-3550-51	NO	YES	0.22
EUROPE E	X09-3550-71	NO	YES	0.22

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.

IT (X09-3550-11) (A/6)



ESTIMATION	UNIT NAME	A	B	C11,12	D13,14	C30-39	R133	W12	W25,63	W22	W112	J8	J9	WH7	F2	F3	F4,5	F6,7
U.S.A	K X09-3550-11	X09-3550-11	NO	YES	0.1	NO	NO	YES	YES	YES	YES	NO	YES	NO	U.S.A/125V	NO	U.S.A/125V	NO
ANADA	P X09-3551-02	X09-3551-02	YES	NO	0.1	NO	YES	YES	YES	YES	NO	NO	YES	YES	U.S.A/125V	NO	U.S.A/125V	U.L.T.A/250V
PX	Y X09-3552-02	X09-3552-02	YES	NO	0.22	YES	NO	NO	YES	NO	NO	YES	NO	YES	T2.5A/250V	NO	T3.15A/250V	T3.15A/250V
GENERAL MARKET	M X09-3550-22	X09-3550-22	NO	0.22	YES	NO	NO	YES	NO	NO	YES	YES	NO	NO	T2.5A/250V	NO	T3.15A/250V	T3.15A/250V
HOLLAND	T X09-3550-51	X09-3550-51	NO	0.22	YES	NO	NO	YES	NO	NO	YES	YES	NO	NO	T2.5A/250V	NO	T3.15A/250V	NO
EUROPE	E X09-3552-71	X09-3552-71	NO	0.22	YES	NO	NO	NO	YES	YES	YES	NO	NO	NO	T2.5A/250V	YES	T3.15A/250V	NO



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

X14 - WH2

5/5

6

Y05-2610-10

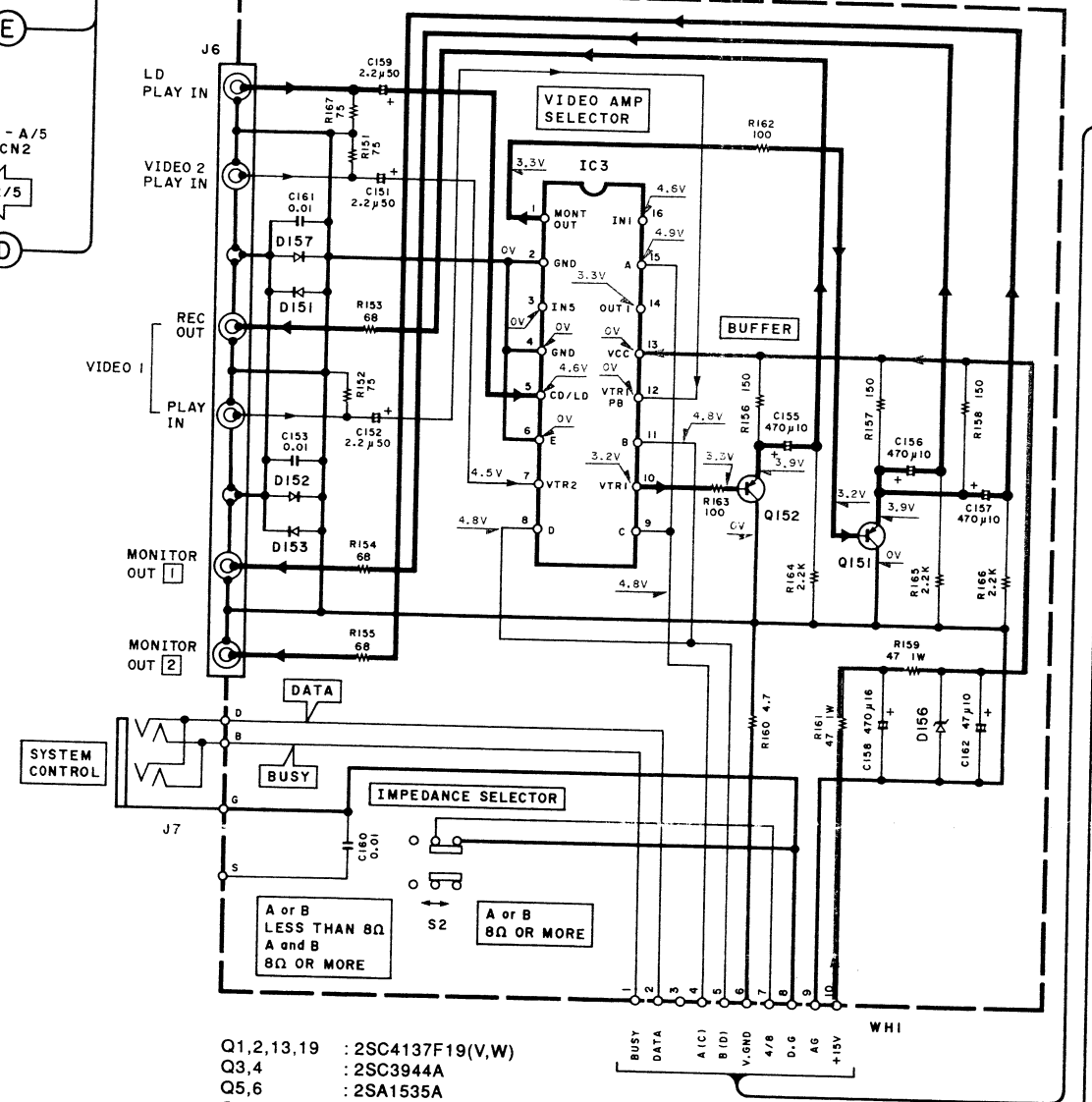
KR-V8040/V8540
KENWOOD

KR-V8040 (3/6)

X13-A/5
- WHI
2/5
E

X13-A/5
- CN2
2/5
D

VIDEO UNIT (X09-3550-10) (B/6)



- Q1,2,13,19 : 2SC4137F19(V,W)
- Q3,4 : 2SC3944A
- Q5,6 : 2SA1535A
- Q7,8 : 2SC2921LB
- Q9,10 : 2SA1215LB
- Q11,12,16,24 : 2SC2631(R,S)
- Q14 : 2SB1560LB
- Q15 : 2SD2390LB
- Q17,18,22 : 2SC1845(F,E)
- Q20 : 2SB1531BT
- Q21 : 2SD2340BT
- Q23 : 2SB764
- Q25 : 2SA1123(R,S)
- Q26,27 : 2SC2458(Y,GR) or 2SC3311A(Q,R) or 2SC1740S(Q,R) or 2SC2785(F,E)
- Q101,102 : 2SA1048(Y,GR) or 2SA1309A(Q,R) or 2SA1175(F,E) or 2SA933S(Q,R)
- Q103 : 2SD2012 or 2SD2061 or 2SD2374
- Q104 : 2SA1284
- Q105 : 2SD863
- Q106 : 2SC2003(L,K)
- Q151,152 : 2SA999

- IC1 : BA12004
- IC2 : μ PC7815H or TA7815AP
- IC3 : BA7626

RELAY ON	SPEAKER IMPEDANCE	
K1 or K2	A or B SP.(FRONT) 4-8 Ω	A or B SP.(FRONT) 8-16 Ω
K3	CENTER SP. 8-16 Ω	CENTER SP. 8-16 Ω
K4	SURROUND SP. 8-16 Ω	SURROUND SP. 8-16 Ω
K1,K2,*K5	(BYPASS ONLY) A and B SP. 8-16 Ω	

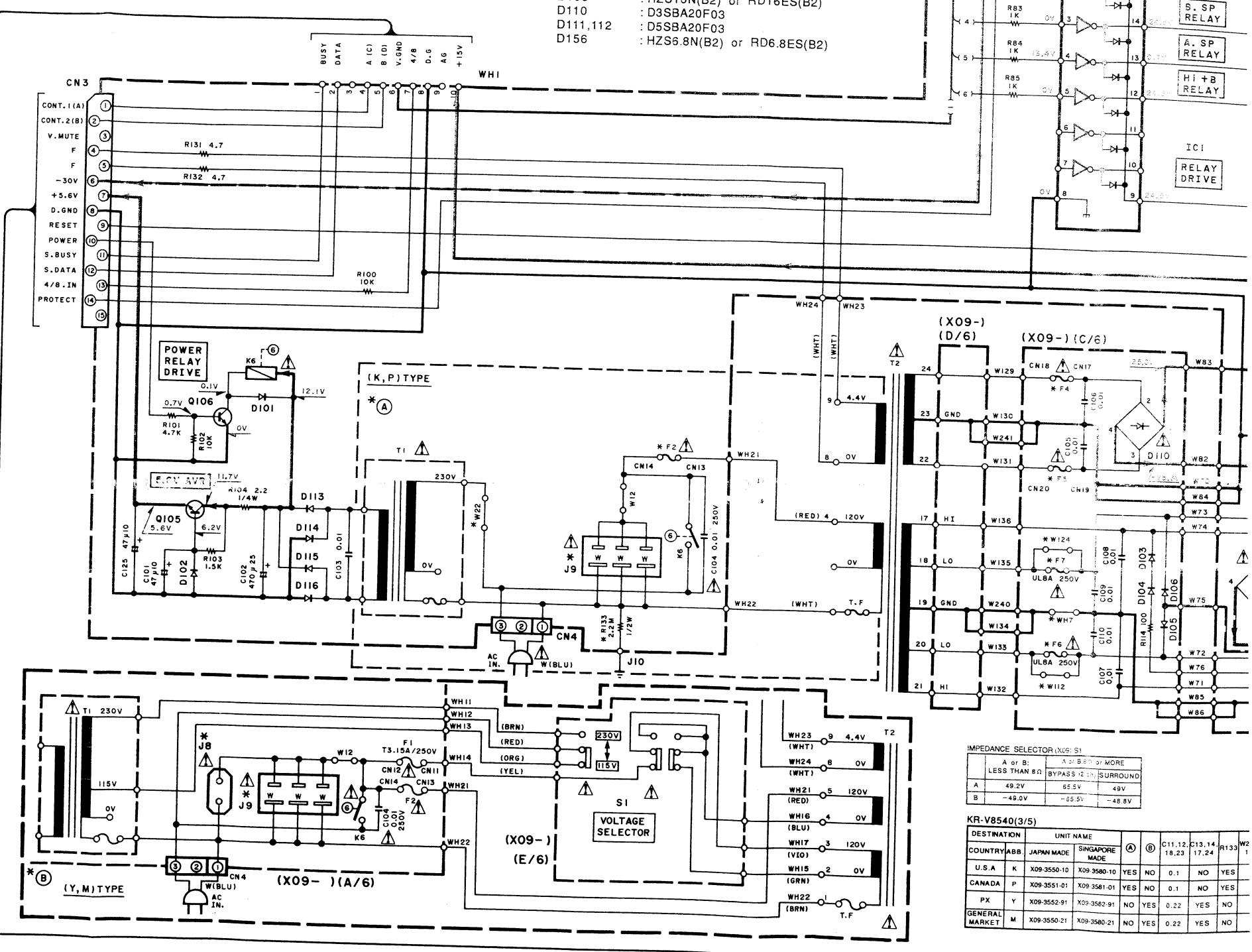
*S(RELAY ON)/HI TAP \pm DC

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

SIGNAL LINE
GND LINE
+B LINE
-B LINE

- D1-4,10-13,15,31,103,104 : HSS104A or 1SS131
- D14 : HZS5.1N(B2) or RD5.1ES(B2)
- D33,34,101,151-153,157 : HSS104 or 1SS133
- D102 : HZS6.2N(B2) or RD6.2ES(B2)
- D105,106,113-116 : S5688B
- D107 : HZS15N(B2) or RD15ES(B2)
- D108 : HZS16N(B2) or RD16ES(B2)
- D110 : D3SBA20F03
- D111,112 : D5SBA20F03
- D156 : HZS6.8N(B2) or RD6.8ES(B2)

AUDIO UNIT (X09-3550-10) (A/6)



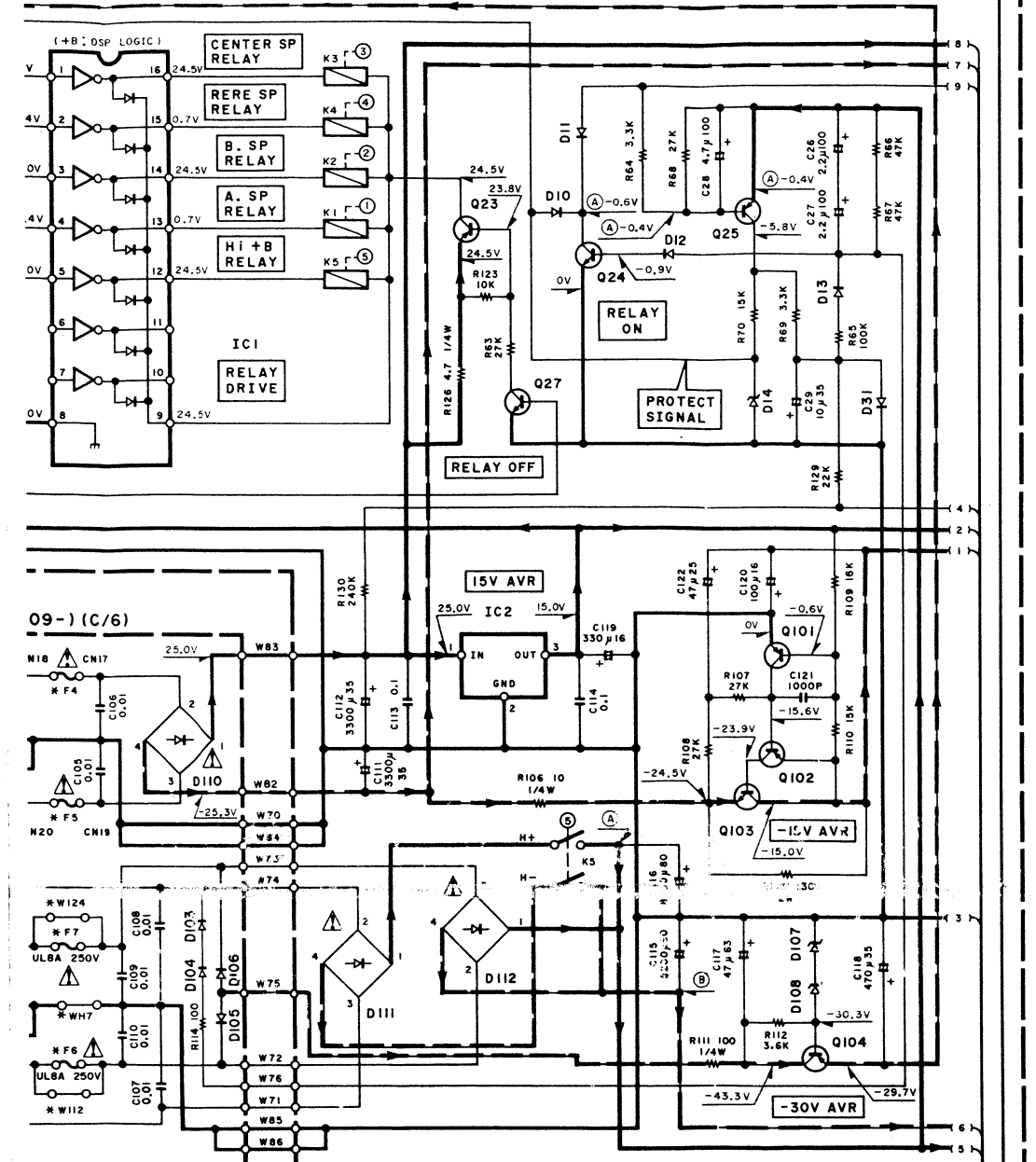
IMPEDANCE SELECTOR (X09-35)

RELAY ON	A or B LESS THAN 8 Ω	A or B 8 Ω or MORE
A	49.2V	65.5V
B	-49.0V	-65.5V

KR-V8540(3/5)

DESTINATION	JAPAN MADE	SINGAPORE MADE	(A)	(B)	C11,12,18,23	D13,14,17,24	R133	W21
U.S.A	K	X09-3550-10	X09-3580-10	YES	NO	0.1	NO	YES
CANADA	P	X09-3551-01	X09-3581-01	YES	NO	0.1	NO	YES
PX	Y	X09-3552-91	X09-3582-91	NO	YES	0.22	YES	NO
GENERAL MARKET	M	X09-3550-21	X09-3580-21	NO	YES	0.22	YES	NO

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

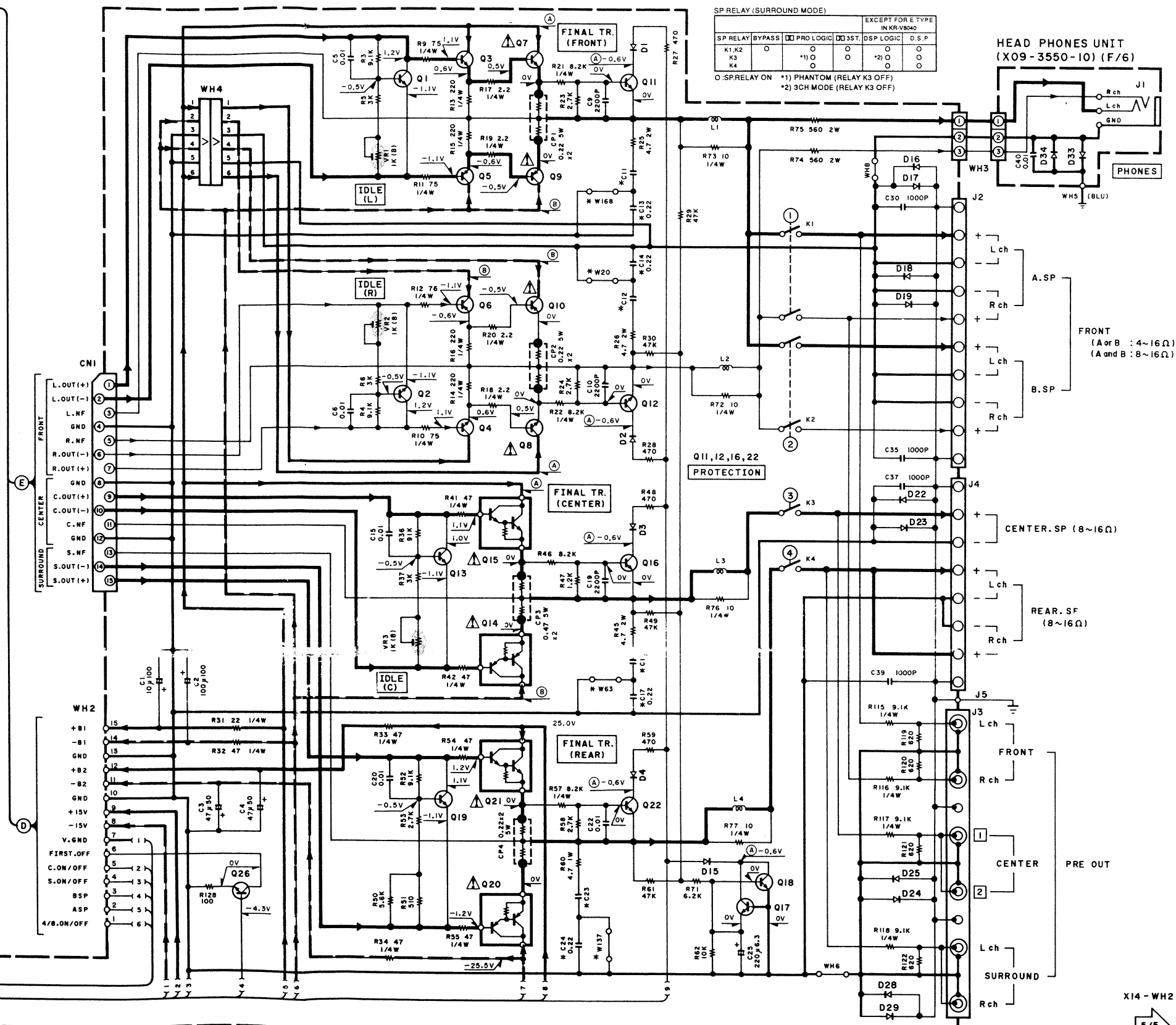


RECTOR (X09) S1

A or B 80 or MORE	
48 Ω BYPASS (2 ch) SURROUND	
65.5V	49V
75.5V	48.8V

(5)

UNIT NAME	C11,12,18,23	C13,14,17,24	R133	W20,22,63,137,168	W112,124	J8	J9	WH7	F2	F4,5	F6,7	
JAPAN MADE	YES	NO	NO	YES	YES	NO	NO	YES	YES	UL8A/125V	UL5A/125V	NO
SINGAPORE MADE	NO	NO	NO	YES	NO	NO	NO	NO	NO	UL8A/125V	UL5A/125V	UL8A/250V
X09-3550-10	X09-3580-19	YES	NO	0.1	NO	YES	NO	NO	NO	YES	YES	NO
X09-3551-01	X09-3581-01	YES	NO	0.1	NO	YES	NO	NO	NO	YES	YES	NO
X09-3552-91	X09-3582-91	NO	YES	0.22	YES	NO	YES	NO	NO	T3.15A/250V	T3.15A/250V	T3.15A/250V
X09-3550-21	X09-3580-21	NO	YES	0.22	YES	NO	NO	NO	NO	T3.15A/250V	T3.15A/250V	T3.15A/250V

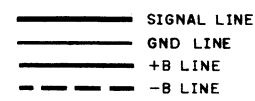
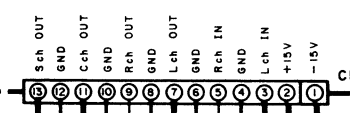


KR-V8040/V8540
KENWOOD

X13-A/5
-WH3

2/5

F

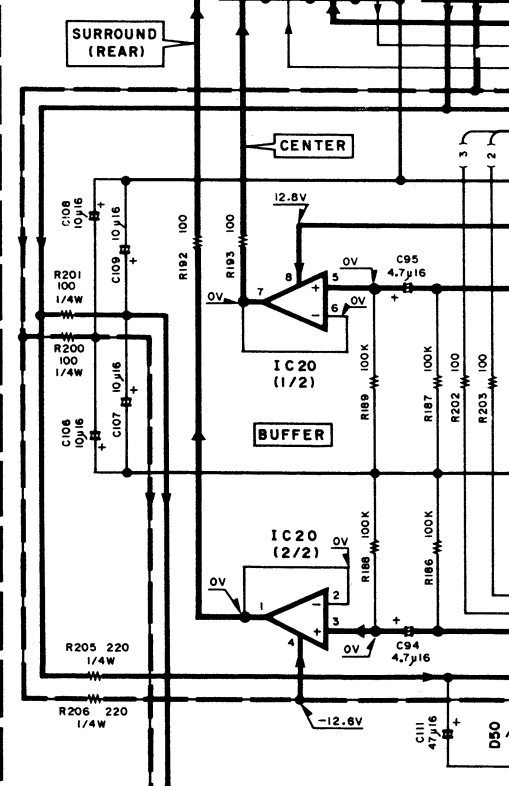
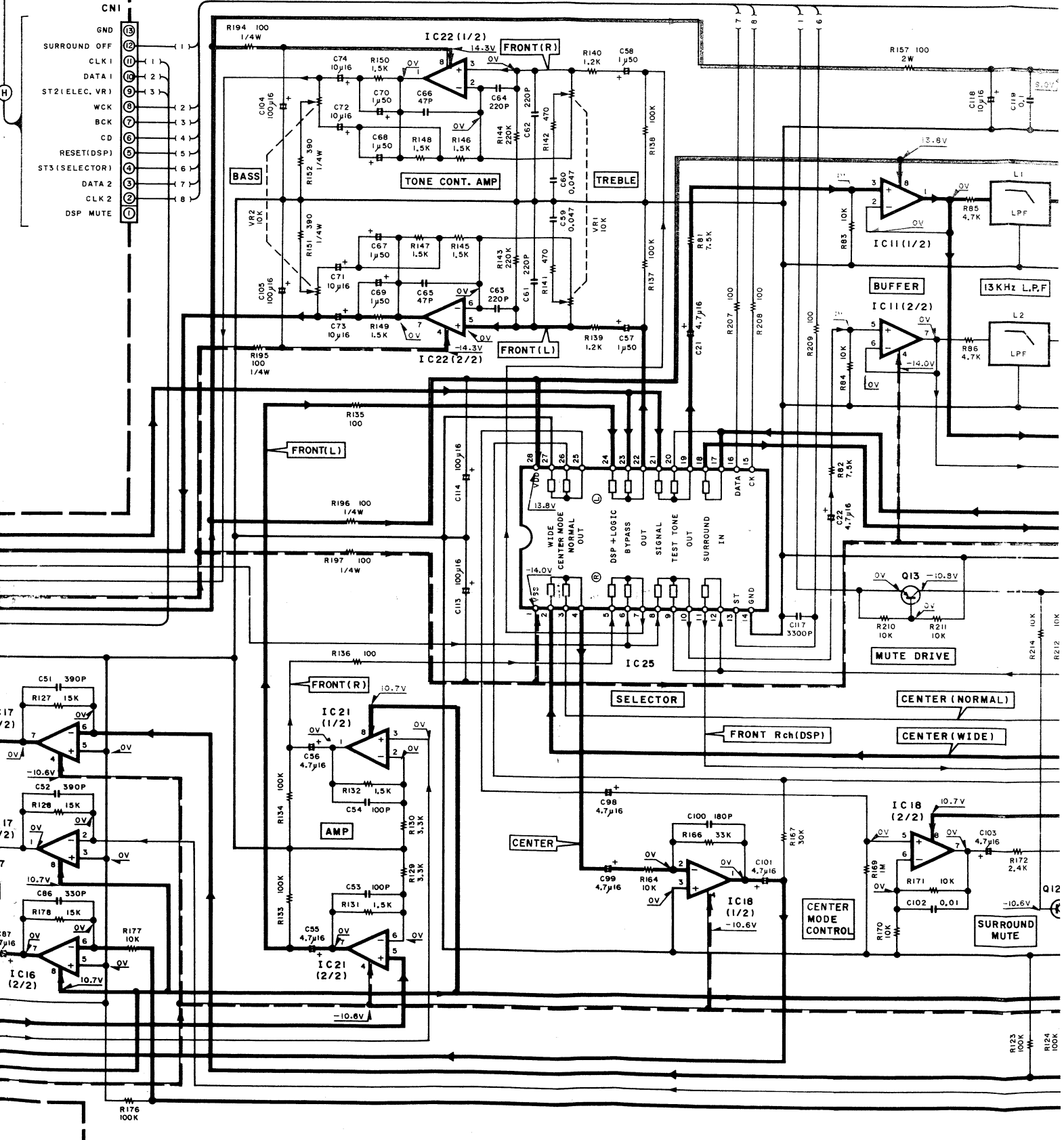


- IC11-22 : RC4565L or NJM4565L
- IC23,24 : M5238L
- IC25 : NJU7311L
- IC26 : TC9213P
- IC27 : YSS215-F
- IC28 : HM65256BLFP-10
- IC29 : NJM78L05A

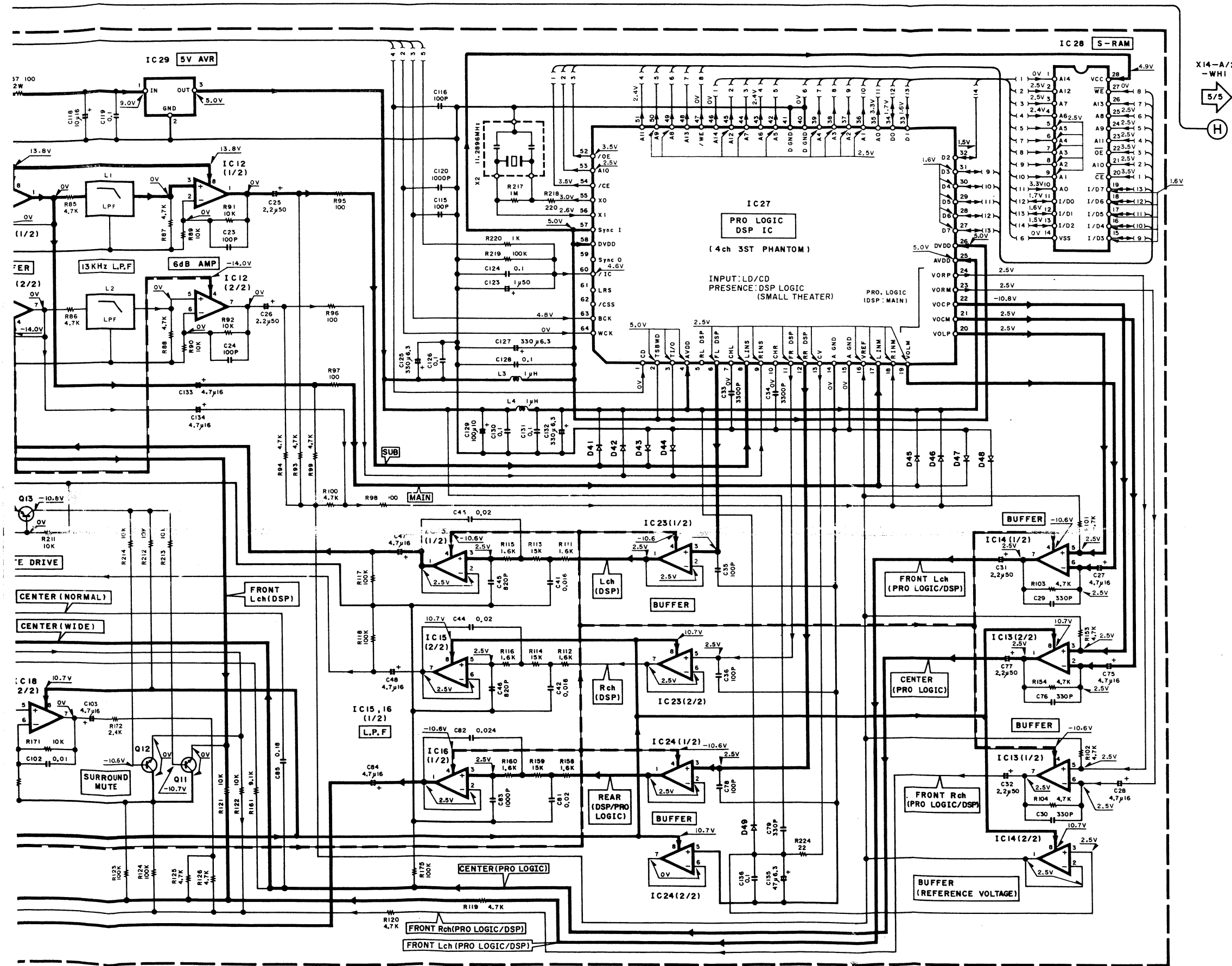
- Q11,12 : 2SC2878(A,B)
- Q13 : 2SA1048(Y,GR)
- or 2SA1309A(Q,R)
- or 2SA933S(Q,R)
- or 2SA1175(F,E)

- D41-49 : HSS104 or 1SS133
- D50,51 : HZS13N(B2) or RD13ES(B2)

DSP UNIT (X14-3400-10)(B/2)



1
2
3
4
5
6
7



Y05-2610-10

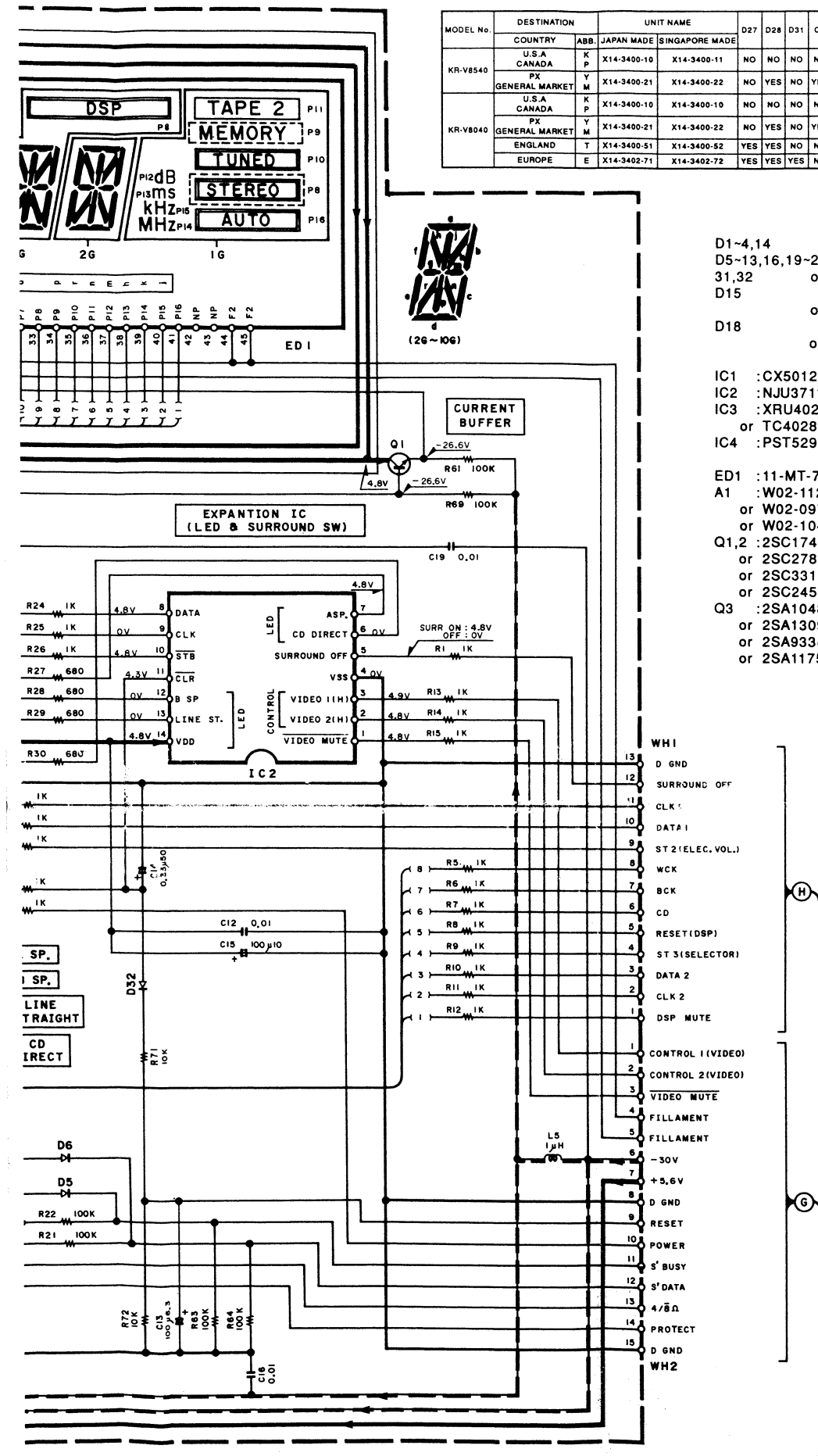
DC voltages are as measured with a high impedance voltmeter with no signal input. Values may vary slightly due to variations between individual instruments or/and units.

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

KR-V8040/V8540 (5/6)

KR-V8040/V8540
KENWOOD

MODEL No.	DESTINATION		UNIT NAME		D27	D28	D31	D3	R59, 60	S6-9
	COUNTRY	ABB.	JAPAN MADE	SINGAPORE MADE						
KR-V8540	U.S.A	K	X14-3400-10	X14-3400-11	NO	NO	NO	NO	NO	YES
	CANADA	P	X14-3400-10	X14-3400-11	NO	NO	NO	NO	NO	YES
	GENERAL MARKET	M	X14-3400-21	X14-3400-22	NO	YES	NO	YES	YES	YES
KR-V8040	U.S.A	K	X14-3400-10	X14-3400-10	NO	NO	NO	NO	NO	YES
	CANADA	P	X14-3400-10	X14-3400-10	NO	NO	NO	NO	NO	YES
	GENERAL MARKET	M	X14-3400-21	X14-3400-22	NO	YES	NO	YES	YES	YES
	ENGLAND	T	X14-3400-51	X14-3400-52	YES	YES	NO	NO	NO	YES
	EUROPE	E	X14-3402-71	X14-3402-72	YES	YES	YES	NO	NO	NO



- D1-4,14 : B30-1291-05
- D5-13,16,19-28 : HSS104
- 31,32 or 1SS133
- D15 : RD2.7ES(B2)
- or HZS2.7NES(B2)
- D18 : RD5.1ES(B2)
- or HZS5.1N(B2)

- IC1 : CX50124-139Q
- IC2 : NJU3711D
- IC3 : XRU4028B
- or TC4028BP
- IC4 : PST529C

- ED1 : 11-MT-74GK
- A1 : W02-1129-05
- or W02-0975-05
- or W02-1046-05
- Q1,2 : 2SC1740S(Q,R)
- or 2SC2785(F,E)
- or 2SC3311A(Q,R)
- or 2SC2458(Y,GR)
- Q3 : 2SA1048(Y,GR)
- or 2SA1309A(Q,GR)
- or 2SA933(Q,R)
- or 2SA1175(F,E)

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

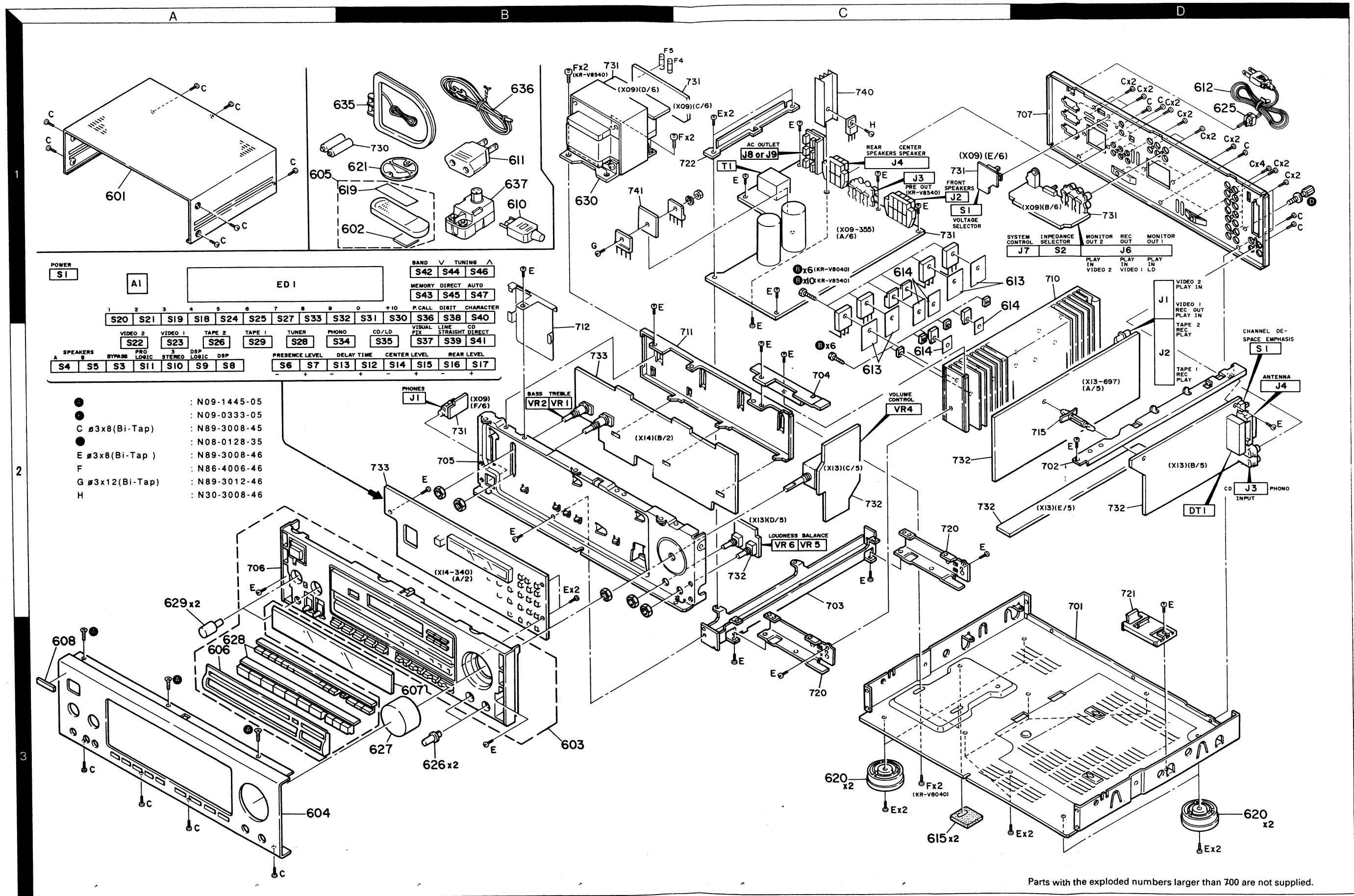
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Indicates safety critical components. To reduce the risk of electric shock leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

Y05-2610-10

KR-V8040/V8540 (6/6)

KR-V8040/V8540
KENWOOD

KR-V8040/V8540 KR-V8040/V8540 EXPLODED VIEW



POWER										BAND V TUNING									
S1										S42 S44 S46									
AI										MEMORY DIRECT AUTO									
ED I										S43 S45 S47									
1 2 3 4 5 6 7 8 9 0 +10										P.CALL DIGIT CHARACTER									
S20 S21 S19 S18 S24 S25 S27 S33 S32 S31 S30										S36 S38 S40									
VIDEO 2 VIDEO 1 TAPE 2 TAPE 1 TUNER PHONO CD/LD VISUAL LINE CD										FIX STRAIGHT DIRECT									
S22 S23 S26 S29 S28 S34 S35										S37 S39 S41									
SPEAKERS BYPASS PRO LOGIC STEREO DSP										PRESENCE LEVEL DELAY TIME CENTER LEVEL REAR LEVEL									
S4 S5 S3 S11 S10 S9 S8										S6 S7 S13 S12 S14 S15 S16 S17									

- : N09-1445-05
- : N09-0333-05
- C #3x8 (Bi-Tap) : N89-3008-45
- : N08-0128-35
- E #3x8 (Bi-Tap) : N89-3008-46
- F : N86-4006-46
- G #3x12 (Bi-Tap) : N89-3012-46
- H : N30-3008-46

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

PARTS LIST

No. 6

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

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 向
C29			CE04KW1V100M	ELECTRØ	E	
C30			CE04KW1H103Z	CERAMIC		
C40			CK45FF1H103Z	CERAMIC		
C101			CE04KW1A470M	ELECTRØ		
C102			CE04KW1E471M	ELECTRØ		
C103			CK45FF1H103Z	CERAMIC		
C104			C91-1439-05	FILM		
C105-108			CK45FF1H103Z	CERAMIC		
C109, 110			CK45FF2H103P	CERAMIC		
C111, 112			CE04KW1V332M	ELECTRØ		
C113, 114			CF92FV1H104J	MF		
C115, 116			C90-1870-05	ELECTRØ		
C117			CE04KW1J470M	ELECTRØ		
C118			CE04KW1V471M	ELECTRØ		
C119			CE04KW1C331M	ELECTRØ		
C120			CE04KW1C101M	ELECTRØ		
C121			CK45FB1H102K	CERAMIC		
C122			CE04KW1E470M	ELECTRØ		
C123			CK45FF1H103Z	CERAMIC		
C125			CE04KW1A470M	ELECTRØ		
C151, 152			CE04KW1H2R2M	ELECTRØ		
C153			CK45FF1H103Z	CERAMIC		
C155-157			CE04KW1A471M	ELECTRØ		
C158			CE04DW1C471M	ELECTRØ		
C159			CE04KW1H2R2M	ELECTRØ		
C160, 161			CK45FF1H103Z	CERAMIC		
C162			CE04KW1A470M	ELECTRØ		
J1	2B	*	E11-0208-05	PHONE JACK (PHONES)	E	
J2	1C	*	E70-0015-05	LOCK TERMINAL BOARD (F.SP.)	KPYMT	
J3	1C	*	E70-0020-05	LOCK TERMINAL BOARD (F.SP.)	KPYMT	
J4	1C	*	E70-0001-05	LOCK TERMINAL BOARD (C.R.SP.)	E	
J4	1C	*	E70-0014-05	LOCK TERMINAL BOARD (C.R.SP.)	E	
J6	1D	*	E63-0039-05	PHONE JACK (L.D.VIDEO, MONITOR)		
J7	1D		E11-0188-05	MINIATURE PHONE JACK (S.COINT.)		
J8	1C		E03-0108-05	AC BUTLET	ME	
J9	1C		E03-0109-05	AC BUTLET	T	
J9	1C		E03-0111-05	AC BUTLET	KPY	
F1			F05-2525-05	FUSE (SEMKØ)	YM	
F2			F04-5022-05	FUSE (UL)	YM	
F3			F05-2525-05	FUSE (SEMKØ)	KP	
F4			F05-2525-05	FUSE (SEMKØ)	YMTB	
F4, 5			F04-5022-05	FUSE (UL)	E	
F4, 5			F05-3121-05	FUSE (SEMKØ)	KP	
F6, 7			F05-7026-05	FUSE (UL)	YMT	
J11, 12			J13-0075-05	FUSE CLIP	YMT	
J13, 14			J13-0075-05	FUSE CLIP	E	
J15, 16			J13-0075-05	FUSE CLIP	E	
J17-20			J13-0075-05	FUSE CLIP	P	
J21-24			J13-0055-05	FUSE CLIP	P	
L1			L39-0085-05	PHASE-COMPENSATION COIL	KP	
T1	1C		L01-7651-05	POWER TRANSFORMER	YM	
T1	1C		L01-7653-05	POWER TRANSFORMER	YM	
T1	1C		L01-7657-05	POWER TRANSFORMER	ET	

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

K:USA
T:England
X:Australia

P:Canada
E:Europe
M:Other Areas

△ indicates safety critical components.

No. 5

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

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 向
614	2C	*	F20-1297-05	INSULATING SHEET		
615	3C	*	G10-0148-04	NON-HOVEN FABRIC		
619	1B	*	G16-0773-08	WRITING SHEET		
		*	G11-2119-04	SOFT TAPE		
		*	H10-5281-02	POLYSTYRENE FOAMED FIXTURE	S	
		*	H10-5282-02	POLYSTYRENE FOAMED FIXTURE	S	
		*	H25-0225-04	PROTECTION BAG (850X450X.03)		
		*	H25-0232-04	PROTECTION BAG (235X350X0.03)		
		*	H50-0287-04	ITEM CARTON CASE	KPY	
		*	H50-0315-04	ITEM CARTON CASE	M	
620	3C, 3D		J02-1034-05	FOOT		
621	1B		J19-2815-04	ANTENNA HOLDER		
625	1D		J42-0083-05	POWER CORD BUSHING		
			J61-0307-05	WIRE BAND		
626	3B		K29-3632-04	KNØB (LOUDNESS, BALANCE)		
627	3B		K29-4110-04	KNØB (VOLUME, CONTRØL)		
628	3A	*	K29-4345-02	KNØB (1-0, *10, INPUT SELECTØR)		
629	2A	*	K29-4347-04	KNØB (BASS, TREBLE)		
630	1B	*	L07-0499-05	POWER TRANSFORMER	K	
630	1B	*	L07-0500-05	POWER TRANSFORMER	YM	
630	1B	*	L07-0501-05	POWER TRANSFORMER	P	
A	3A		N09-1445-05	SET SCREW (M3X8)		
B	1C, 2C		N09-0333-05	TAPPING SCREW (3X12)		
C	1A, 1D		N89-3008-45	BINDING HEAD TAPITTE SCREW		
D	1D		N08-0128-35	BINDING POST (CND)		
E	1C		N89-3008-46	BINDING HEAD TAPITTE SCREW		
F	1C, 3C		N86-4006-46	BINDING HEAD TAPITTE SCREW		
635	1B		T90-0174-05	LOOP ANTENNA		
636	1B		T90-0175-05	T TYPE ANTENNA		
AUDIO UNIT (KR-V8040, X09-3550-11)						
C1			CE04KW2A100M	ELECTRØ		
C2			CE04KW2A101M	ELECTRØ		
C3	4		CE04KW1H470M	ELECTRØ		
C5	6		CK45FF1H103Z	CERAMIC		
C9	10		CK45FB1H222K	CERAMIC		
C11, 12			CF92FV1H104J	MF	KP	
C11, 12			CF92FV1H224J	MF	YMET	
C13, 14		*	CK45FB1H224J	CERAMIC	YMET	
C15			CK45FF1H103Z	CERAMIC		
C17			CF92FV1H224J	MF	YMET	
C18			CF92FV1H104J	MF	KP	
C18			CF92FV1H224J	MF	YMET	
C19			CK45FB1H222K	CERAMIC		
C20			CK45FF1H103Z	CERAMIC		
C22		*	CK45FB1H103J	CERAMIC		
C23			CF92FV1H104J	MF	KP	
C24			CF92FV1H224J	MF	YMET	
C25			CF92FV1H224J	MF	YMET	
C26, 27			CE04KW0J221M	ELECTRØ		
C28			CE04KW2A4R7M	ELECTRØ		

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

K:USA
T:England
X:Australia

P:Canada
E:Europe
M:Other Areas

S: SINGAPORE MADE

△ indicates safety critical components.

KR-V8040/V8540

PARTS LIST

No. 8

Ref. No. 参照番号	New Parts 位置	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
031			1S5131	DIODE		
033			HSS104	DIODE		
033, 34			1S5133	DIODE		
033, 34			HSS133	DIODE		
0101			HSS133	DIODE		
0101			1S5133	DIODE		
0102			HZ56.2N(B2)	ZENER DIODE		
0102			HZ56.25S(B2)	ZENER DIODE		
0103, 104			HSS104	DIODE		
0103, 104			HSS104	DIODE		
0105, 106			S5688B	DIODE		
0107			HZ515N(B2)	ZENER DIODE		
0107			HZ56S(B2)	ZENER DIODE		
0108			HZ56S(B2)	ZENER DIODE		
0108			HZ56S(B2)	ZENER DIODE		
0110			D558A20F03	DIODE		
0111, 112			D558A20F03	DIODE		
0113, 115			S5688B	DIODE		
0151-153			1S5133	DIODE		
0151-153			1S5133	DIODE		
0156			HZ56.8N(B2)	ZENER DIODE		
0157			R06.8ES(B2)	ZENER DIODE		
0157			HSS104	DIODE		
IC1			1S5133	DIODE		
IC1			BA12004	IC(7CH TRANSISTOR ARRAY)		
IC1			TA7815AP	IC(VOLTAGE REGULATOR/ +15V)		
IC2			UFC7815H	IC(VOLTAGE REGULATOR/ +15V)		
IC3			PA7626	IC(VIDEO SIGNAL SELECTOR)		
Q1, 2			2SC4137F19(V,W)	TRANSISTOR		
Q7, 8			2SD2222BT	TRANSISTOR		
Q9, 10			2SB1470BT	TRANSISTOR		
Q11, 12			2SC2631(R,S)	TRANSISTOR		
Q13			2SC4137F19(V,W)	TRANSISTOR		
Q14			2SB1495BT	TRANSISTOR		
Q14			2SB1495BT*1	TRANSISTOR		
Q15			2SD2255BT	TRANSISTOR		
Q15			2SD2255BT*1	TRANSISTOR		
Q16			2SC2631(R,S)	TRANSISTOR		
Q17, 18			2SC1845(F,E)	TRANSISTOR		
Q19			2SC4137F19(V,W)	TRANSISTOR		
Q20			2SB1531BT	TRANSISTOR		
Q21			2SD2340BT	TRANSISTOR		
Q22			2SC1845(F,E)	TRANSISTOR		
Q23			2SB764	TRANSISTOR		
Q24			2SC2631(R,S)	TRANSISTOR		
Q25			2SA1123(R,S)	TRANSISTOR		
Q26, 27			2SC1740S(Q,R)	TRANSISTOR		
Q26, 27			2SC2458(Y,GR)	TRANSISTOR		
Q26, 27			2SC2785(F,E)	TRANSISTOR		
Q26, 27			2SC3311A(Q,R)	TRANSISTOR		
Q101, 102			2SA1048(Y,GR)	TRANSISTOR		
Q101, 102			2SA1175(F,E)	TRANSISTOR		
Q101, 102			2SA1309A(Q,R)	TRANSISTOR		
Q101, 102			2SA933S(Q,R)	TRANSISTOR		
Q103			2SD2012	TRANSISTOR		
Q103			2SD2061	TRANSISTOR		

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teil ohne Parts No. werden nicht geliefert.

L:Scandinavia
K:USA
P:Canada
T:England
Y:AF/ES/Europe
X:Australia
M:Other Areas

△ indicates safety critical components

No. 7

Ref. No. 参照番号	New Parts 位置	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
E		1C	N89-3008-46	BINDING HEAD TAPRITE SCREW		
G		1B	N89-3012-46	BINDING HEAD TAPRITE SCREW		
H		1C	N30-3008-46	PAN HEAD MACHIN SCREW		
CP1, 2		*	R90-0888-05	COMPOSITE ELEMENTS 0.33X2 5W		
CP3		*	R90-0886-05	COMPOSITE ELEMENTS 0.47X2 5W		
CP4		*	R90-0888-05	COMPOSITE ELEMENTS 0.33X2 5W		
R9 - 12			RD14NB2E750J	RD 75 J 1/4W		
R21, 22			RD14NB2E822J	RD 8.2K J 1/4W		
R25, 26			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R31			RD14NB2E220J	RD 22 J 1/4W		
R32 - 34			RD14NB2E470J	RD 47 J 1/4W		
R41, 42			RD14NB2E470J	RD 47 J 1/4W		
R45			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R46			RD14NB2E822J	RD 8.2K J 1/4W		
R54, 55			RD14NB2E470J	RD 47 J 1/4W		
R57			RD14NB2E822J	RD 47 J 1/4W		
R60			RS14DB3A4R7J	FL-PROOF RS 4.7 J 1W		
R72, 73			RD14NB2E100J	RD 10 J 1/4W		
R74, 75			RS14KB3D561J	FL-PROOF RS 560 J 2W		
R76, 77			RD14NB2E100J	RD 10 J 1/4W		
R104			RD14NB2E2R2J	RD 2.2 J 1/4W		
R106			RD14NB2E100J	RD 10 J 1/4W		
R111			RD14NB2E101J	RD 100 J 1/4W		
R114			RD14NB2E101J	RD 100 J 1/4W		
R125			RS14KB3D331J	FL-PROOF RS 330 J 2W		
R126			RD14NB2E4R7J	RD 4.7 J 1/4W		
R133			R92-0173-05	RC 2.2M M 1/2W	KP	
R159			RS14DB3A470J	FL-PROOF RS 47 J 1W		
R161			RS14DB3A470J	FL-PROOF RS 47 J 1W		
VR1 - 3			R12-1617-05	TRIMMING POT(2.2K)(IDLE CUR.)		
K1, 2			S51-2078-05	MAGNETIC RELAY(A,B SP. ON/OFF)		
K1, 2			S51-2092-05	MAGNETIC RELAY(A,B SP. ON/OFF)		
K3, 4			S76-0005-05	MAGNETIC RELAY(C,R SP. ON/OFF)		
K5			S76-0016-05	MAGNETIC RELAY(CH1 +B ON/OFF)		
K5			S76-0017-05	MAGNETIC RELAY(CH1 +B ON/OFF)		
K6			S76-0002-05	MAGNETIC RELAY(POWER ON/OFF)		
S1		1C	S31-3010-05	SLIDE SWITCH(VOLTAGE SELECTOR)	YM	
S2		1D	S31-2094-05	SLIDE SWITCH(IMPEDANCE SELECT)		
D1 - 4			HSS104A	DIODE		
D1 - 4			1S5131	DIODE		
D10 - 13			HSS104A	DIODE		
D10 - 13			1S5131	DIODE		
D14			HZ55.1N(B2)	ZENER DIODE		
D14			RD5.1ES(B2)	ZENER DIODE		
D15			HSS104A	DIODE		
D15			1S5131	DIODE		
D16 - 19			HSS104	DIODE		
D16 - 19			1S5133	DIODE		
D22 - 25			HSS104	DIODE		
D22 - 25			1S5133	DIODE		
D28 - 29			HSS104	DIODE		
D28 - 29			1S5133	DIODE		
D31			HSS104A	DIODE		

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teil ohne Parts No. werden nicht geliefert.

L:Scandinavia
K:USA
P:Canada
T:England
Y:AF/ES/Europe
X:Australia
M:Other Areas

△ indicates safety critical components

KR-V8040/V8540

PARTS LIST

No. 10

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

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 向標考
J3	1C		E13-0633-05	PHONE JACK (PRE OUT)		
J4	1C		E70-0001-05	LOCK TERMINAL BOARD (C, R, SP.)		
J5	1D		E63-0039-05	PHONE JACK (LD, VIDEO, MONITOR)		
J6	1D		E11-0188-05	MINIATURE PHONE JACK (S, CONT.)		
J7	1C	*	E03-0108-05	AC OUTLET	M	
J8	1C		E03-0111-05	AC OUTLET	KPY	
J9	1C		F05-3121-05	FUSE (SEMKO) (250V T3.15A)	YM	
F1			F05-3121-05	FUSE (SEMKO) (250V T3.15A)	YM	
F2			F05-3121-05	FUSE (SEMKO) (250V T3.15A)	YM	
F3			F04-6029-05	FUSE (UL) (125V 6A UL)	KP	
F4			F04-5029-05	FUSE (UL) (125V 5A UL)	KP	
F5			F05-3121-05	FUSE (SEMKO) (250V T3.15A)	YM	
F6			F05-4321-05	FUSE (SEMKO) (250V T6.3A)	YM	
F7			F05-8029-05	FUSE (UL) (250V 8A)	P	
F8			J13-0075-05	FUSE CLIP	YM	
F9			J13-0075-05	FUSE CLIP	YM	
F10			J13-0075-05	FUSE CLIP	YM	
F11			J13-0055-05	FUSE CLIP	P	
F12			L39-0085-05	PHASE-COMPENSATION COIL	KP	
F13			L01-7651-05	POWER TRANSFORMER	YM	
F14			L01-7653-05	POWER TRANSFORMER	YM	
F15			N89-3008-46	BINDING HEAD TAPITTE SCREW		
F16			N89-3012-46	BINDING HEAD TAPITTE SCREW		
F17			N30-3008-46	FAN HEAD MACHIN SCREW		
F18			R90-0840-05	COMPOSITE ELEMENTS 0.22X2 5W		
F19			R90-0866-05	COMPOSITE ELEMENTS 0.47X2 5W		
F20			R90-0840-05	COMPOSITE ELEMENTS 0.22X2 5W		
F21			R01-4N82E70J	RD 75 J 1/4W		
F22			R01-4N82E21J	RD 220 J 1/4W		
F23			R01-4N82E21J	RD 2.2 J 1/4W		
F24			R01-4N82E21J	RD 8.2K J 1/4W		
F25			R01-4N82E21J	RD 22 J 1/4W		
F26			R01-4N82E21J	RD 47 J 1/4W		
F27			R01-4N82E470J	RD 47 J 1/4W		
F28			R01-4N82E470J	RD 24 J 1/4W		
F29			R01-4N82E21J	RD 8.2K J 1/4W		
F30			R01-4N82E21J	RD 47 J 1/4W		
F31			R01-4N82E21J	RD 8.2K J 1/4W		
F32			R01-4N82E21J	RD 47 J 1/4W		
F33			R01-4N82E470J	RD 47 J 1/4W		
F34			R01-4N82E470J	RD 24 J 1/4W		
F35			R01-4N82E21J	RD 8.2K J 1/4W		
F36			R01-4N82E21J	RD 47 J 1/4W		
F37			R01-4N82E21J	RD 8.2K J 1/4W		
F38			R01-4N82E21J	RD 47 J 1/4W		
F39			R01-4N82E21J	RD 10 J 1/4W		
F40			R01-4N82E21J	RD 100 J 1/4W		
F41			R01-4N82E21J	RD 100 J 1/4W		
F42			R01-4N82E21J	RD 100 J 1/4W		
F43			R01-4N82E21J	RD 330 J 2W		
F44			R01-4N82E470J	RD 4.7 J 1/4W		
F45			R01-4N82E470J	RD 2.2M J 1/2W		
F46			R01-4N82E470J	RD 47 J 1W		
F47			R01-4N82E470J	RD 47 J 1W		
F48			R12-1616-05	TRIMMING POT (1K) (IDLE CURRENT)		

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

K:USA
T:England
X:Australia

P:Canada
E:Europe
M:Other Areas

△ indicates safety critical components

No. 9

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

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 向標考
C103		*	2SD2374	TRANSISTOR		
C104			2SA1284	TRANSISTOR		
C105			2SD863	TRANSISTOR		
C106			2SC2003(L,K)	TRANSISTOR		
C107			2SA999	TRANSISTOR		
AUDIO UNIT (KR-V8540: X09-3550-10)						
C1			CE04KW2A100M	ELECTR0 100UF 100WV		
C2			CE04KW2A101M	ELECTR0 100UF 100WV		
C3			CE04KW1H470M	ELECTR0 47UF 50WV		
C4			CK45FF1H103Z	CERAMIC 0.10UF Z		
C5			CK45FB1H222K	CERAMIC 2200PF K		
C6			CF92FV1H104J	MF 0.10UF J	KP	
C7			CF92FV1H224J	MF 0.22UF J	YM	
C8			CF92FV1H224J	MF 0.22UF J	YM	
C9			CF92FV1H224J	MF 0.10UF J	YM	
C10			CF92FV1H224J	MF 0.22UF J	YM	
C11			CF92FV1H224J	MF 0.10UF J	YM	
C12			CF92FV1H224J	MF 0.22UF J	YM	
C13			CF92FV1H224J	MF 0.10UF J	YM	
C14			CF92FV1H224J	MF 0.22UF J	YM	
C15			CF92FV1H224J	MF 0.10UF J	YM	
C16			CF92FV1H224J	MF 0.22UF J	YM	
C17			CF92FV1H224J	MF 0.10UF J	YM	
C18			CF92FV1H224J	MF 0.22UF J	YM	
C19			CF92FV1H224J	MF 0.10UF J	YM	
C20			CK45FF1H103Z	CERAMIC 0.10UF Z		
C21			CK45FF1H103Z	CERAMIC 0.10UF Z		
C22			CK45FB1H222K	CERAMIC 2200PF K		
C23			CF92FV1H104J	MF 0.10UF J	KP	
C24			CF92FV1H224J	MF 0.22UF J	YM	
C25			CF92FV1H224J	MF 0.22UF J	YM	
C26			CE04KH0J221M	ELECTR0 220UF 6.3WV		
C27			CE04KH2A2R2M	ELECTR0 2.2UF 100WV		
C28			CE04KH2A2R7M	ELECTR0 4.7UF 100WV		
C29			CE04KH1V100M	ELECTR0 10UF 35WV		
C30			CK45FF1H103Z	CERAMIC 0.10UF Z		
C31			CE04KH1A470M	ELECTR0 47UF 10WV		
C32			CE04KH1E471M	ELECTR0 470UF 25WV		
C33			CK45FF1H103Z	CERAMIC 0.10UF Z		
C34			C91-1A39-05	FILM 0.01UF 250VAC		
C35			CK45FF1H103Z	CERAMIC 0.10UF Z		
C36			CK45FE2H103P	CERAMIC 0.010UF P		
C37			CE04KH1V332M	ELECTR0 3300UF 35WV		
C38			CF92FV1H104J	MF 0.10UF J		
C39			C90-1868-05	ELECTR0 8200UF 80WV		
C40			CE04KH1J470M	ELECTR0 47UF 63WV		
C41			CE04KH1V471M	ELECTR0 470UF 35WV		
C42			CE04KH1C331M	ELECTR0 330UF 16WV		
C43			CE04KH1C101M	ELECTR0 100UF 16WV		
C44			CK45FB1H102K	CERAMIC 1000PF K		
C45			CE04KH1E470M	ELECTR0 47UF 25WV		
C46			CE04KH1A470M	ELECTR0 47UF 10WV		
C47			CE04KH1H2R2M	ELECTR0 2.2UF 50WV		
C48			CK45FF1H103Z	CERAMIC 0.010UF Z		
C49			CE04KH1A471M	ELECTR0 470UF 10WV		
C50			CE04KH1H2R2M	ELECTR0 2.2UF 50WV		
C51			CK45FF1H103Z	CERAMIC 0.010UF Z		
C52			CE04KH1H2R2M	ELECTR0 2.2UF 50WV		
C53			CE04KH1A471M	ELECTR0 470UF 10WV		
C54			CE04KH1C471M	ELECTR0 470UF 16WV		
C55			CE04KH1H2R2M	ELECTR0 2.2UF 50WV		
C56			CK45FF1H103Z	CERAMIC 0.010UF Z		
C57			CE04KH1A470M	ELECTR0 47UF 10WV		
C58			E11-0208-05	PHONE JACK (PHONE)		
C59			E70-0020-05	LOCK TERMINAL BOARD (F.SP)		
J1	2B	*				
J2	1C					

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

K:USA
T:England
X:Australia

P:Canada
E:Europe
M:Other Areas

△ indicates safety critical components

KR-V8040/V8540

PARTS LIST

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

No. 11

Ref. No. 参照番号	Address 位置	New Parts 新部品	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 向備考	Re- marks 備考
X1 ,2			S51-2078-05	MAGNETIC RELAY(A, B SP. 0W/0.5W)		
X1 ,12			S51-2072-05	MAGNETIC RELAY(A, B SP. 0W/0.5W)		
X3 ,4			S76-0005-05	MAGNETIC RELAY(C, R SP. 0W/0.5W)		
X5			S76-0016-05	MAGNETIC RELAY(H1 +B 0W/0.5W)		
X5			S76-0017-05	MAGNETIC RELAY(H1 +B 0W/0.5W)		
X6			S76-0002-05	MAGNETIC RELAY(POWER 0W/0.5W)		
S1	1C		S31-3010-05	SLIDE SWITCH(VOLTAGE SELECTOR)	YM	
S2	1D		S31-2094-05	SLIDE SWITCH(IMPEDANCE SELECT)		
D1 -4			HSS104A	DIODE		
D1 -4			1SS131	DIODE		
D10 -13			HSS104A	DIODE		
D10 -13			1SS131	DIODE		
D14			HZ55-1N(B2)	ZENER DIODE		
D14			R05-1ES(B2)	ZENER DIODE		
D15			HSS104A	DIODE		
D16 -19			1SS131	DIODE		
D16 -19			HSS104	DIODE		
D22 -25			1SS133	DIODE		
D22 -25			HSS104	DIODE		
D28 ,29			1SS133	DIODE		
D28 ,29			HSS104	DIODE		
D31			HSS104A	DIODE		
D31			1SS131	DIODE		
D33 ,34			HSS104	DIODE		
D33 ,34			1SS133	DIODE		
D101			HSS104	DIODE		
D101			1SS133	DIODE		
D102			HZ56-2N(B2)	ZENER DIODE		
D102			R06-2ES(B2)	ZENER DIODE		
D103,104			HSS104A	DIODE		
D103,104			1SS131	DIODE		
D105,106			S5688B	DIODE		
D107			HZ515N(B2)	ZENER DIODE		
D108			RD15ES(B2)	ZENER DIODE		
D108			HZ516N(B2)	ZENER DIODE		
D108			RD16ES(B2)	ZENER DIODE		
D110			D3S8A20F03	DIODE		
D111,112			D5S8A20F03	DIODE		
D113-116			S5688B	DIODE		
D151-153			HSS104	DIODE		
D151-153			1SS133	DIODE		
D156			HZ56-8N(B2)	ZENER DIODE		
D156			R06-8ES(B2)	ZENER DIODE		
D157			HSS104	DIODE		
D157			1SS133	DIODE		
IC1		*	BA12004	IC(7CH TRANSISTOR ARRAY)		
IC2		*	TA7815AP	IC(VOLTAGE REGULATOR/ +15V)		
IC2		*	UPC7815H	IC(VOLTAGE REGULATOR/ +15V)		
IC3		*	BA7626	IC(VIDEO SIGNAL SELECTOR)		
Q1 ,2			2SC4137F19(V,W)	TRANSISTOR		
Q3 ,4			2SC3944A	TRANSISTOR		
Q5 ,6			2SA1535A	TRANSISTOR		
Q7 ,8			2SC2921LB	TRANSISTOR		

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

K:USA
 T:England
 X:Australia

P:Canada
 E:Europe
 M:Other Areas

△ indicates safety critical components.

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

No. 12

Ref. No. 参照番号	Address 位置	New Parts 新部品	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 向備考	Re- marks 備考
Q9 ,10			2SA12151B	TRANSISTOR		
Q11 ,12			2SC2433(R,S)	TRANSISTOR		
Q13		*	2SC4137F19(V,W)	TRANSISTOR		
Q14		*	2SB1560LB	TRANSISTOR		
Q15		*	2SD2390LB	TRANSISTOR		
Q16			2SC2631(R,S)	TRANSISTOR		
Q17 ,18			2SC1945(F,E)	TRANSISTOR		
Q19		*	2SC4137F19(V,W)	TRANSISTOR		
Q20		*	2SB1531BT	TRANSISTOR		
Q21		*	2SD2340BT	TRANSISTOR		
Q22			2SC1845(F,E)	TRANSISTOR		
Q23			2SB764	TRANSISTOR		
Q24			2SC2631(R,S)	TRANSISTOR		
Q25			2SA1123(R,S)	TRANSISTOR		
Q26 ,27			2SC1740S(Q,R)	TRANSISTOR		
Q26 ,27			2SC2458(Y,GR)	TRANSISTOR		
Q26 ,27			2SC2785(F,E)	TRANSISTOR		
Q26 ,27			2SC3311A(Q,R)	TRANSISTOR		
Q101,102			2SA1048(Y,GR)	TRANSISTOR		
Q101,102			2SA1175(F,E)	TRANSISTOR		
Q101,102			2SA1309A(Q,R)	TRANSISTOR		
Q101,102			2SA933S(Q,R)	TRANSISTOR		
Q103			2SD2012	TRANSISTOR		
Q103		*	2SD2061	TRANSISTOR		
Q103		*	2SD2374	TRANSISTOR		
Q104			2SA1284	TRANSISTOR		
Q105			2SD863	TRANSISTOR		
Q106			2SC2003(L,K)	TRANSISTOR		
Q151,152			2SA999	TRANSISTOR		
SUB - CIRCUIT UNIT (X13 - 6970 - 11)						
C1 ,2			CK45FF1H103Z	CERAMIC	0.010UF Z	
C3			C91-0085-05	CERAMIC	0.022UF N	
C4			CE04KW1C470M	ELECTRO	47UF 16WV	
C5			CK45FF1H103Z	CERAMIC	0.010UF Z	
C6			CK45FF1H473Z	CERAMIC	0.047UF Z	
C7			CE04KW1H010M	ELECTRO	1.0UF 50WV	
C8			CQ92FM1H682J	MYLAR	6800PF J	
C9			C91-0769-05	CERAMIC	0.01UF K	
C10			CC45FL1H330J	CERAMIC	33PF J	
C11			CE04KW1V100M	ELECTRO	10UF 35WV	
C12			CE04KW1H010M	ELECTRO	1.0UF 50WV	
C13			CE04KW1HR33M	ELECTRO	0.33UF 50WV	
C14			CE04KW1H010M	ELECTRO	1.0UF 50WV	
C21 ,22			CQ92FM1H123J	MYLAR	0.012UF J	KP
C21 ,22			CQ92FM1HS62J	MYLAR	5600PF J	ET
C21 ,22			CQ92FM1H822J	MYLAR	8200PF J	YM
C23			CE04KW1V100M	ELECTRO	10UF 35WV	
C25			CE04KW1V100M	ELECTRO	10UF 35WV	
C26 ,27			CK45FF1H473Z	CERAMIC	0.047UF Z	
C28			CE04KW1V100M	ELECTRO	10UF 35WV	
C29 -31			C91-0769-05	CERAMIC	0.01UF K	
C32			CE04KW1A470M	ELECTRO	47UF 10WV	
C33			CC45FCH1H270J	CERAMIC	27PF J	
C34			CC45FCH1H220J	CERAMIC	22PF J	
C35 -38			CK45FB1H471K	CERAMIC	470PF K	

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

K:USA
 T:England
 X:Australia

P:Canada
 E:Europe
 M:Other Areas

△ indicates safety critical components.

PARTS LIST

No. 14

x New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Telles ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 部品番号	Parts No. 部品番号	Description 部品名/規格	Desti- nation 仕向備考
C170-172			CK45FB1H102K	CERAMIC 1000PF K	
C173			CE04K1V100M	ELECTR0 10UF 35WV	
C174			CE04H1H2R2M	ELECTR0 2.2UF 50WV	
C175			CE04H1A470M	NP-ELECC 47UF 10WV	
C176			CE04K1C470M	ELECTR0 47UF 16WV	
C177-180			CK45FE1H103Z	CERAMIC 0.010UF Z	
C181-186			CK45FE1H103Z	CERAMIC 0.010UF Z	
C187,188			CK45FE1H103Z	CERAMIC 0.010UF Z	
C189,190			CE04K1V100M	ELECTR0 10UF 35WV	
C191			CK45FE1H103Z	CERAMIC 0.010UF Z	
C192			CC45FSL1H101J	ELECTR0 100PF J	
C305,304			C91-0749-05	220PF K	
C305,306			CC45FSL1H390J	39PF J	
C307,308			CE04K1V100M	ELECTR0 10UF 35WV	
C309,310			CC45FSL1H221J	220PF J	
C311,312			CE04K1A101M	ELECTR0 100UF 10WV	
C313,314			CK45FB1H102K	CERAMIC 1000PF K	
C315,316			CQ92FM1H23J	ELECTR0 0.012UF J	
C317,318			CQ92FM1H33Z	MYLAR 3300PF J	
C319,320			CE04K1V470M	ELECTR0 4.7UF 35WV	
C321,322			CE04K1C470M	ELECTR0 47UF 16WV	
C325,326			CF92FV1H33J	MF 0.033UF J	
C327,328			CC45FSL1H221J	220PF J	
C329,330			CC45FSL1H470J	47PF J	
C331,332			CE04K1V100M	ELECTR0 10UF 35WV	
C333,334			CE04K1B470M	ELECTR0 47UF 25WV	
C335,336			CE04K1H010M	ELECTR0 1.0UF 50WV	
C337,338			CC45FSL1H221J	220PF J	
C339,340			CC45FSL1H470J	CERAMIC 47PF J	
C341,342			CE04K1V100M	ELECTR0 10UF 35WV	
C343			CE04K1V470M	ELECTR0 4.7UF 35WV	
C344			CF92FV1H104J	MF 0.10UF J	
C345			CE04K1C101M	ELECTR0 100UF 16WV	
C346,347			CE04K1H010M	ELECTR0 1.0UF 50WV	
J1	1D		B13-0634-05	PHONO JACK(VIDEO I/O)	
J2	2D		B13-0820-05	PHONO JACK(TAPE I/O)	
J3	2D		E63-0035-05	PHONO JACK(CD,PHONE)	
J4	2D	*	E20-0321-05	LOCK TERMINAL BOARD(ANTENNA)	ET
J4	2D		E20-0476-05	LOCK TERMINAL BOARD(ANTENNA)	KPYM
CF1,2			L72-0531-05	CERAMIC FILTER	KPYM
CF1,2			L72-0536-05	CERAMIC FILTER	ET
L1			L39-0192-05	COMBINATION COIL	ET
L2			L40-1091-17	SMALL FIXED INDUCTOR(1UH)	ET
L3		*	L30-0496-05	FM IFT(DISCRIMINATOR)	ET
L3		*	L30-0498-05	FM IFT(DISCRIMINATOR)	KPYM
L4		*	L30-0497-05	FM IFT(DISTORTION MONO)	ET
L5			L79-0125-05	LC FILTER	ET
L7			L30-0467-05	AM IFT	ET
L8,9			L79-0790-05	LC FILTER	ET
L10			L40-1091-17	SMALL FIXED INDUCTOR(1UH)	
L11			L40-1021-14	SMALL FIXED INDUCTOR(1.0mH,K)	
L12,13			L40-1091-17	SMALL FIXED INDUCTOR(1UH)	
X1			L77-1122-05	CRYSTAL RESONATOR(7.2MHz)	
X2		*	L78-0295-05	RESONATOR(456kHz)	

L:Scandinavia
K:USA
T:England
Y:AFES(Europe)
X:Australia
M:Other Areas

△ indicates safety critical components

No. 13

x New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Telles ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts 部品番号	Parts No. 部品番号	Description 部品名/規格	Desti- nation 仕向備考
C39			CE04K1C470M	ELECTR0 47UF 16WV	
C40			CQ92FM1H103J	MYLAR 0.010UF J	
C41			CE04K1H470M	ELECTR0 4.7UF 50WV	
C42			CE04K1H010M	ELECTR0 1.0UF 50WV	
C43,44			CE04K1V100M	ELECTR0 10UF 35WV	ET
C45,46			CE04K1V100M	ELECTR0 10UF 35WV	YM
C53,54			CQ92FM1H392J	MYLAR 3900PF J	ET
C55,56			CQ92FM1H472J	MYLAR 4700PF J	ET
C57			CE04K1C470M	ELECTR0 47UF 16WV	
C62			CE04K1C470M	ELECTR0 47UF 16WV	
C63			CE04K1V100M	ELECTR0 10UF 35WV	
C64			CK45FE1H472Z	CERAMIC 4700PF Z	
C65			CK45FE1H103Z	CERAMIC 0.010UF Z	YM
C66,67			C91-0769-05	CERAMIC 0.010UF K	
C101-106			C91-0749-05	CERAMIC 220PF K	ET
C107,108			C91-0749-05	CERAMIC 220PF K	ET
C109			CC45FSL1H221J	220PF J	ET
C110-112			C91-0749-05	CERAMIC 220PF K	ET
C113			CC45FSL1H221J	220PF J	ET
C114			C91-0749-05	CERAMIC 220PF K	ET
C115,116			CE04K1H010M	ELECTR0 1.0UF 50WV	ET
C117,118			CC45FSL1H221J	220PF J	
C119,120			CC45FSL1H101J	100PF J	
C121,122			CE04K1V100M	ELECTR0 10UF 35WV	
C123,124			CE04K1H010M	ELECTR0 1.0UF 50WV	
C127,128			CC45FSL1H101J	100PF J	
C129,130			CE04K1V100M	ELECTR0 10UF 35WV	
C131,132			CE04K1H010M	ELECTR0 1.0UF 50WV	
C133,134			CK45FB1H102K	CERAMIC 1000PF K	
C135,136			CE04K1WJ221M	ELECTR0 220UF 6.3WV	
C137-140			CC45FSL1H101J	100PF J	
C141,142			CC45FSL1H470J	47PF J	
C143,144			CE04K2A010M	ELECTR0 1.0UF 100WV	
C145,146			CC45FSL1M150J	CERAMIC 15PF J	
C147,148			CC45FSL1H020D	CERAMIC 2.0PF D	
C147,148			CC45FSL1H070D	CERAMIC 7.0PF D	
C149,150			CC45FSL1H221J	220PF J	
C151			CE04K1H010M	ELECTR0 1.0UF 50WV	
C152,153			CC45FSL1H101J	CERAMIC 100PF J	
C154			CE04K1A470M	ELECTR0 47UF 10WV	
C155			CC45FSL1H470J	47PF J	
C156			CE04K2A010M	ELECTR0 1.0UF 100WV	
C157			CC45FSL1H470J	CERAMIC 47PF J	
C158			CC45FSL1H020C	CERAMIC 2.0PF C	
C159			CC45FSL1H221J	220PF J	
C160			CE04K1H010M	ELECTR0 1.0UF 50WV	
C161			CC45FSL1H221J	220PF J	
C162			CC45FSL1H101J	100PF J	
C163			CE04K1A470M	ELECTR0 47UF 10WV	
C164			CC45FSL1H470J	47PF J	
C165			CE04K2A010M	ELECTR0 1.0UF 100WV	
C166			CC45FSL1H470J	47PF J	
C167			CC45FSL1H020C	CERAMIC 2.0PF C	
C168			CC45FSL1H221J	220PF J	
C169			CE04K1C101M	ELECTR0 100UF 16WV	

L:Scandinavia
K:USA
T:England
Y:AFES(Europe)
X:Australia
M:Other Areas

0:KR-V8040
5:KR-V8540

△ indicates safety critical components

KR-V8040/V8540

PARTS LIST

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

No. 16

Ref. No. 参照番号	Address 位置	New Parts 新部品	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
IC11			NJM4565D-D	IC(OP AMP X2)		
IC11			RC4565D-D	IC(OP AMP X2)		
Q1			2SC1923(R,Ø)	TRANSISTOR		
Q2			2SC1845(F,E)	TRANSISTOR		
Q3			2SC1740S(Q,R)	TRANSISTOR		
Q3			2SC2458(Y,GR)	TRANSISTOR		
Q3			2SC2785(F,E)	TRANSISTOR		
Q3			2SC3311A(Q,R)	TRANSISTOR		
Q3			2SC1740S(Q,R)	TRANSISTOR		
Q4			2SC2458(Y,GR)	TRANSISTOR		
Q4			2SC2785(F,E)	TRANSISTOR		
Q5			2SC3311A(Q,R)	TRANSISTOR		
Q5			2SA1048(Y,GR)	TRANSISTOR		
Q5			2SA1175(F,E)	TRANSISTOR		
Q5			2SA1309A(Q,R)	TRANSISTOR		
Q5			2SA933S(Q,R)	TRANSISTOR		
Q5			2SA933S(Q,R)	TRANSISTOR		
Q7			2SC1740S(Q,R)	TRANSISTOR		
Q7			2SC2458(Y,GR)	TRANSISTOR		
Q7			2SC2785(F,E)	TRANSISTOR		
Q7			2SC2785(F,E)	TRANSISTOR		
Q7			2SC3311A(Q,R)	TRANSISTOR		
Q9			2SC2003(L,K)	TRANSISTOR		
Q10			2SC1740S(Q,R)	TRANSISTOR		
Q10			2SC2458(Y,GR)	TRANSISTOR		
Q10			2SC2785(F,E)	TRANSISTOR		
Q10			2SC3311A(Q,R)	TRANSISTOR		
Q21			2SC1740S(Q,R)	TRANSISTOR		
Q21			2SC2458(Y,GR)	TRANSISTOR		
Q21			2SC2785(F,E)	TRANSISTOR		
Q21			2SC3311A(Q,R)	TRANSISTOR		
Q22			2SA1048(Y,GR)	TRANSISTOR		
Q22			2SA1175(F,E)	TRANSISTOR		
Q22			2SA1309A(Q,R)	TRANSISTOR		
Q22			2SA933S(Q,R)	TRANSISTOR		
Q23	24		2SC2878(B)	TRANSISTOR		
Q25			2SA1048(Y,GR)	TRANSISTOR		
Q25			2SA1175(F,E)	TRANSISTOR		
Q25			2SA1309A(Q,R)	TRANSISTOR		
Q25			2SA933S(Q,R)	TRANSISTOR		
Q26	-29		2SC2878(B)	TRANSISTOR		
Q31			2SC1740S(Q,R)	TRANSISTOR		
Q31			2SC2458(Y,GR)	TRANSISTOR		
Q31			2SC2785(F,E)	TRANSISTOR		
Q31			2SC3311A(Q,R)	TRANSISTOR		
Q37	-40		2SA992(F,E)	TRANSISTOR		
Q41	42		2SA1123(R,S)	TRANSISTOR		
Q43			2SA1048(Y,GR)	TRANSISTOR		
Q43			2SA1175(F,E)	TRANSISTOR		
Q43			2SA1309A(Q,R)	TRANSISTOR		
Q43			2SA933S(Q,R)	TRANSISTOR		
Q45			2SC1845(F,E)	TRANSISTOR		
Q45			2SC1845(F,E)	TRANSISTOR		
Q45			2SC1740S(Q,R)	TRANSISTOR		
Q49	48		2SC2458(Y,GR)	TRANSISTOR		
Q49			2SC2785(F,E)	TRANSISTOR		
Q49			2SC2785(F,E)	TRANSISTOR		

L:Scandinavia
Y:PX(Far East, Hawaii)
Y:A:AFES(Europe)
K:USA
T:England
X:Australia
P:Canada
E:Europe
M:Other Areas
△ indicates safety critical components

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

No. 15

Ref. No. 参照番号	Address 位置	New Parts 新部品	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
R6			R014NB2E101J	RD		
R11			R014NB2E470J	RD	J 1/4W	
R31			RS14KB30221J	RD	J 1/4W	
R36			R014NB2E101J	FL-PROOF RS	J 2W	
R69			R014NB2E101J	RD	J 1/4W	
R181, 182			R014NB2E121J	RD	J 1/4W	
R197, 190			R014NB2E221J	RD	J 1/4W	
R209			R014NB2E121J	RD	J 1/4W	
R213, 214			R014NB2E221J	RD	J 1/4W	
R222			R014NB2E121J	RD	J 1/4W	
R225, 226			R014NB2E221J	RD	J 1/4W	
R339			R014NB2E100J	RD	J 1/4W	
R342, 343			R014NB2E101J	RD	J 1/4W	
R346, 347			R014NB2E101J	RD	J 1/4W	
VR1, 2			R12-3686-05	TRIMMING POT(22K)(FM, AM T-LEV)		
VR3			R12-1617-05	TRIMMING POT(2.2K)(SEPARATION)		
VR4	2C	*	R29-5045-05	POTENTIOMETER(100K)(VOLUME)		
VR5	2C		R05-5041-05	POTENTIOMETER(BALANCE)		
VR6	2C		R10-5045-05	POTENTIOMETER(LOUDNESS)		
S1	2D		S31-2132-05	SLIDE SWITCH(DE-EM, CH SPACE)		YM
D1	2		HSS104	DIODE		
D1	2		HSS133	DIODE		
D3			HZS13N(B2)	ZENER DIODE		
D3			RDS-1ES(B2)	ZENER DIODE		
D4			HZS13N(B2)	ZENER DIODE		
D4			R013ES(B2)	ZENER DIODE		
D10			HZS4-7N(B)	ZENER DIODE		
D10			RDA-7ES(B)	ZENER DIODE		
D11, 12			HSS104A	DIODE		
D11, 12			HSS131	DIODE		
D13, 14			HZS11N(B2)	ZENER DIODE		
D13, 14			R011ES(B2)	ZENER DIODE		
D15, 16			HZS13N(B2)	ZENER DIODE		
D15, 16			R013ES(B2)	ZENER DIODE		
D17, 18			HSS104A	DIODE		
D17, 18			LSS131	DIODE		
D19, 20			HZS13N(B2)	ZENER DIODE		
D19, 20			R013ES(B2)	ZENER DIODE		
D21, 22			HZS11N(B2)	ZENER DIODE		
D21, 22			R011ES(B2)	ZENER DIODE		
D23, 26			HSS104A	DIODE		
D23, 26			LSS131	DIODE		
D27, 35			HSS104	DIODE		
D27, 35			LSS133	DIODE		
D27, 35		*	LA1651N	IC(FM/AM MPX SYSTEM)		
IC1			LC7218	IC(PLL SYNTHESIZER)		
IC2			NJM4565L	IC(OP AMP X2)		
IC3			RC4565L	IC(OP AMP X2)		
IC3			TAB409S	IC(MOTOR CONTROL)		
IC4			NJM4580D-D	IC(OP AMP X2)		
IC5, 16			NJM4565D-D	IC(OP AMP X2)		
IC7, 8			RC4565D-D	IC(OP AMP X2)		
IC7, 8			NJU7313L	IC(ANALOG SWITCH)		
IC9			NJU7312L	IC(ANALOG SWITCH)		
IC10		*				

L:Scandinavia
Y:PX(Far East, Hawaii)
Y:A:AFES(Europe)
K:USA
T:England
X:Australia
P:Canada
E:Europe
M:Other Areas
△ indicates safety critical components

KR-V8040/V8540

PARTS LIST

No. 18

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
C85		CF92FV1H184J	0.18UF		
C86		CC45FSL1H331J	330PF		
C87		C90-3224-05	4.7UF		J
C90		CC45FSL1H101J	100PF		16W
C92		C90-3224-05	4.7UF		16W
C98		C90-3224-05	4.7UF		16W
C100		CC45FSL1H181J	180PF		J
C101		C90-3224-05	4.7UF		16W
C102		C90FEM1H103J	MYLAR		J
C103		C90-3224-05	4.7UF		16W
C104	105	C90-3230-05	100UF		16W
C106	109	C90-3225-05	100UF		16W
C110		CC45FBIH102K	100PF		K
C111	112	C90-3228-05	47UF		16W
C113	114	C90-3230-05	100UF		16W
C115	116	CC45FSL1H101J	100PF		J
C117		CC45FBIH32K	320PF		K
C118		C90-3225-05	100PF		16W
C119		CF92FV1H104J	ME		
C120		CC45FBIH102K	100PF		K
C123		C90-3253-05	1UF		50W
C124		CF92FV1H104J	0.10UF		J
C125		C90-3216-05	330UF		6.3W
C126		CF92FV1H104J	ME		
C127		C90-3216-05	330UF		6.3W
C128		CF92FV1H104J	ME		
C129		C90-3222-05	100UF		10W
C130	131	CF92FV1H104J	0.10UF		J
C132		C90-3216-05	330UF		6.3W
C133	134	C90-3224-05	4.7UF		16W
C135		C90-3212-05	47UF		6.3W
C136		CF92FV1H104J	ME		
L1	2	L79-0799-05	LC FILTER		
L3	5	L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
X1		L78-0267-05	RESONATOR(4.194MHz)		
X2		L78-0291-05	RESONATOR(11.2896MHz)		
CP1		A90-0500-05	MULTI-COMP		J 1/4W
CP2		A90-0492-05	MULTI-COMP		J 1/6W
CP3		A90-0500-05	MULTI-COMP		J 1/4W
CP4		A90-0809-05	MULTI-COMP		J 1/6W
CP5		A90-0855-05	MULTI-COMP		J 1/6W
R157		RS14K83D101J	FL-PR00F RS		J 2W
R194-197		RD14N82E101J	RD		J 1/4W
R200,201		RD14N82E101J	RD		J 1/4W
R205,206		RD14N82E221J	RD		J 1/4W
VRI	2	R06-3075-05	POTENTIOMETER(10KB)(TRE.BASS)		
S1	1A	S40-1064-05	PUSH SWITCH(POWER)		KPYMT
S3	5	S40-1064-05	PUSH SWITCH		
S6	9	S40-1064-05	PUSH SWITCH		
S10	47	S40-1064-05	PUSH SWITCH		
D5	13	HSS104	DIODE		
D5	13	1SS133	DIODE		
D15		HZS2.7N(B2)	ZENER DIODE		
D15		RD2.7ES(B2)	ZENER DIODE		

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

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

No. 17

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
Q49		25C3311A(Q,R)	TRANSISTOR		
Q51	52	25A992(F,E)	TRANSISTOR		
Q53	54	25C2651(R,S)	TRANSISTOR		
Q55		25A1123(R,S)	TRANSISTOR		
Q56	57	25A992(F,E)	TRANSISTOR		
Q58	59	25C1845(F,E)	TRANSISTOR		
Q60		25A992(F,E)	TRANSISTOR		
DT1	2D	W02-1041-15	FM FRONT-END ASSY		ET
DT1	2D	W02-1042-15	FM FRONT-END ASSY		KPYM
DISPLAY UNIT (X14 - 3400 - 10)					
D1	4	B30-1291-05	LED		
D14		B30-1291-05	LED		
C1		C90-1827-05	BACKUP		5.5W
C2		C90-3222-05	ELECTRO		10W
C3	4	C91-0769-05	CERAMIC		K
C5		C90-3219-05	ELECTRO		10W
C6	8	C91-0769-05	CERAMIC		K
C9	11	C90-3256-05	ELECTRO		50W
C12		CK45FF1H103Z	CERAMIC		Z
C13		C90-3214-05	ELECTRO		6.3W
C14		C90-3250-05	ELECTRO		50W
C15		C90-3222-05	ELECTRO		10W
C16	20	C91-0769-05	CERAMIC		K
C21	22	C90-3224-05	ELECTRO		16W
C23	24	CC45FSL1H101J	CERAMIC		J
C25	26	C90-3254-05	ELECTRO		50W
C27	28	C90-3224-05	ELECTRO		16W
C29	30	CC45FSL1H331J	CERAMIC		J
C31	32	C90-3254-05	ELECTRO		50W
C33	34	C92FMIH332J	MYLAR		J
C35	36	CC45FSL1H101J	CERAMIC		J
C41	42	C92FMIH163J	MYLAR		J
C43	44	C92FMIH203J	MYLAR		J
C45	46	CK45FBIH821K	CERAMIC		K
C47	48	C90-3224-05	ELECTRO		16W
C51	52	CK45FBIH391K	CERAMIC		K
C53	54	CC45FSL1H101J	CERAMIC		J
C55	56	C90-3224-05	ELECTRO		16W
C57	58	C90-3253-05	ELECTRO		50W
C59	60	CF92FV1H473J	ME		
C61	64	CC45FSL1H221J	CERAMIC		J
C65	66	CC45FSL1H470J	CERAMIC		J
C67	70	C90-3253-05	ELECTRO		50W
C71	74	C90-3225-05	ELECTRO		16W
C75		C90-3224-05	ELECTRO		16W
C76		CC45FSL1H331J	CERAMIC		J
C77		C90-3254-05	ELECTRO		50W
C78		CC45FSL1H101J	CERAMIC		J
C79		CC45FSL1H331J	CERAMIC		J
C81		C92FMIH203J	MYLAR		J
C82		CF92FV1H243J	ME		
C83		C92FMIH102J	MYLAR		J
C84		C90-3224-05	ELECTRO		16W

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

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

No. 19

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

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Re- marks 備考	Desti- nation 仕
D16		HSS104	DIODE		
D16		1SS133	DIODE		
D18		HZ55.1N(B2)	ZENER DIODE		
D18		R05.1ES(B2)	ZENER DIODE		
D19 -26		HSS104	DIODE		
D19 -26		1SS133	DIODE		
D27		HSS104	DIODE		ET
D27		1SS133	DIODE		VI
D28		HSS104	DIODE		YH
D28		1SS133	DIODE		YH
D31		HSS104	DIODE		E
D31		1SS133	DIODE		E
D32		HSS104	DIODE		
D32		1SS133	DIODE		
D41 -49		HSS104	DIODE		
D41 -49		1SS133	DIODE		
D50 .51		HZ513N(B2)	ZENER DIODE		
D50 .51		RD13ES(B2)	ZENER DIODE		
E01	1A	11-MT-740K	FLUORESCENT INDICATOR TUBE		
IC1		CKP50124-139Q	IC(MICROPROCESSOR)		
IC2		NJU3711D	IC(OBIT I/O EXPANDER)		
IC3		TC4028BP	IC(DECODER)		
IC3		XRU4028B	IC(DECODER)		
IC4		PST529C	IC(SYSTEM RESET)		
IC11-22		NJM4565L	IC(OP AMP X2)		
IC11-22		RC4565L	IC(OP AMP X2)		
IC23,24		M5238L	IC(OP AMP X2)		
IC25		NJU7311L	IC(ANALOG SWITCH)		
IC26		TC9213P	IC(2CH ELECTRONIC VOLUME)		
IC27		V5S215-F	IC(DOUBLE PROLOGIC)		
IC28		HM65256BLFP-10	IC(S-RAM)		
IC29		NJM78L05A	IC(VOLTAGE REGULATOR/ +5V)		
Q1 .2		2SC1740S(Q,R)	TRANSISTOR		
Q1 .2		2SC2458(Y,GR)	TRANSISTOR		
Q1 .2		2SC2785(F,E)	TRANSISTOR		
Q1 .2		2SC3311A(Q,R)	TRANSISTOR		YH
Q3		2SA1048(Y,GR)	TRANSISTOR		YH
Q3		2SA1175(F,E)	TRANSISTOR		YH
Q3		2SA1309A(Q,R)	TRANSISTOR		YH
Q3		2SA933S(Q,R)	TRANSISTOR		YH
Q11 ,12		2SC2878(A,B)	TRANSISTOR		
Q13		2SA1048(Y,GR)	TRANSISTOR		
Q13		2SA1175(F,E)	TRANSISTOR		
Q13		2SA1309A(Q,R)	TRANSISTOR		
Q13		2SA933S(Q,R)	TRANSISTOR		
A1	1A	W02-0975-05	ELECTRIC CIRCUIT MODULE		
A1	1A	W02-1046-05	ELECTRIC CIRCUIT MODULE		
A1	1A	W02-1129-05	ELECTRIC CIRCUIT MODULE		

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

K:USA
 T:England
 X:Australia

P:Canada
 E:Europe
 M:Other Areas

△ indicates safety critical components.

SPECIFICATIONS

(For U.S.A. and Canada)

Audio section

Rated power output at the STEREO operation

120 watts per channel minimum RMS, both channels driven at 8%, from 20 Hz to 20,000 Hz with no more than 0.03% total harmonic distortions. (FTC)

Power output at the Surround operation

Front (1 kHz, 0.9% T.H.D. at 8 Ω) 75 W+75 W
 Center (1 kHz, 0.9% T.H.D. at 8 Ω) 75 W
 Rear (1 kHz, 0.9% T.H.D. at 8 Ω) 20 W+20 W

Total harmonic distortion (1 kHz, 8 Ω) .. 0.003% at 65 W
 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

Input sensitivity / impedance

PHONO (MM) 2.5 mV / 47 kΩ
 CD, TAPE, VIDEO 200 mV / 47 kΩ

Tone controls

BASS ±10 dB (at 100 Hz)
 TREBLE ±10 dB (at 10 kHz)

Loudness control at -30 dB VOLUME level

..... +8 dB (100 Hz), +2dB (10 kHz) max.

Video section

VIDEO inputs / outputs

(Composite) 1 Vp-p / 75 Ω

S-VIDEO inputs / outputs

(Luminance signal) 1 Vp-p / 75 Ω
 (Chrominance signal) 0.286 Vp-p / 75 Ω

FM Tuner section

Tuning frequency range 87.5 MHz~108 MHz

Antenna impedance 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)

Total harmonic distortion at 1,000 Hz

MONO 0.1%

STEREO 0.2%

Signal to noise ratio at 65 dBf (IHF)

MONO 80 dB

STEREO 74 dB

Selectivity (IHF ±400 kHz) 53 dB

Stereo separation (IHF at 1 kHz) 50 dB

Frequency response 30 Hz~15 kHz, +0.5 dB,-2.0 dB

AM Tuner section

Tuning frequency range 530 kHz~1,700 kHz

Usable sensitivity 10 μV / (400 μV / m)

Total harmonic distortion 0.3%

Signal to noise ratio 50 dB

Selectivity 25 dB

General

Power consumption 3 A

Dimensions 440 (W) × 163 (H) × 415 (D) mm
 (17.5 / 16") × (6.7 / 16") × (16.5 / 16")

Weight (net) 13.9 kg (30.6 lb)

AC outlets switched ×3, total 200 W, 1.6 A max.

(For other countries)

Audio section

Rated power output at the STEREO operation

(IHF '66) from 20 Hz to 20 kHz,

0.06% T.H.D., at 8 Ω 140 W + 140 W

Power output at the Surround operation

Front (1 kHz, 0.9% T.H.D. at 8 Ω) 75 W + 75 W

Center (1 kHz, 0.9% T.H.D. at 8 Ω) 75 W

Rear (1 kHz, 0.9% T.H.D. at 8 Ω) 20 W + 20 W

Total harmonic distortion (1 kHz, 8 Ω) 0.03% at 65 W

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

Input sensitivity / impedance

PHONO (MM) 2.5 mV / 47 kΩ

CD, TAPE, VIDEO 200 mV / 47kΩ

Tone controls

BASS ±10 dB (at 100 Hz)

TREBLE ±10 dB (at 10 kHz)

Loudness control at 30 dB VOLUME level

..... 8 dB (100 Hz), + 2 dB (10 kHz) max.

VIDEO inputs / outputs

(Composite) 1 Vp-p / 75 Ω

S-VIDEO inputs / outputs

(Luminance signal) 1 Vp-p / 75 Ω

(Chrominance signal) 0.286 Vp-p / 75 Ω

FM Tuner section

Tuning frequency range 87.5 MHz~108 MHz

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)

Total harmonic distortion at 1 kHz

MONO 0.1%

STEREO 0.2%

Signal to noise ratio at 65 dBf (IHF)

MONO 80 dB

STEREO 74 dB

Selectivity (IHF ± 400 kHz) 53 dB

Stereo separation (IHF at 1 kHz) 50 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

Usable sensitivity 10 μV / (400 μV / m)

Total harmonic distortion 0.3%

Signal to noise ratio 50 dB

Selectivity 25 dB

General

Power consumption 300 W (IEC)

dimensions 440 (W) × 163 (H) × 415 (D) mm

Weight (net) 13.9 kg

AC outlets switched ×200 W max.