

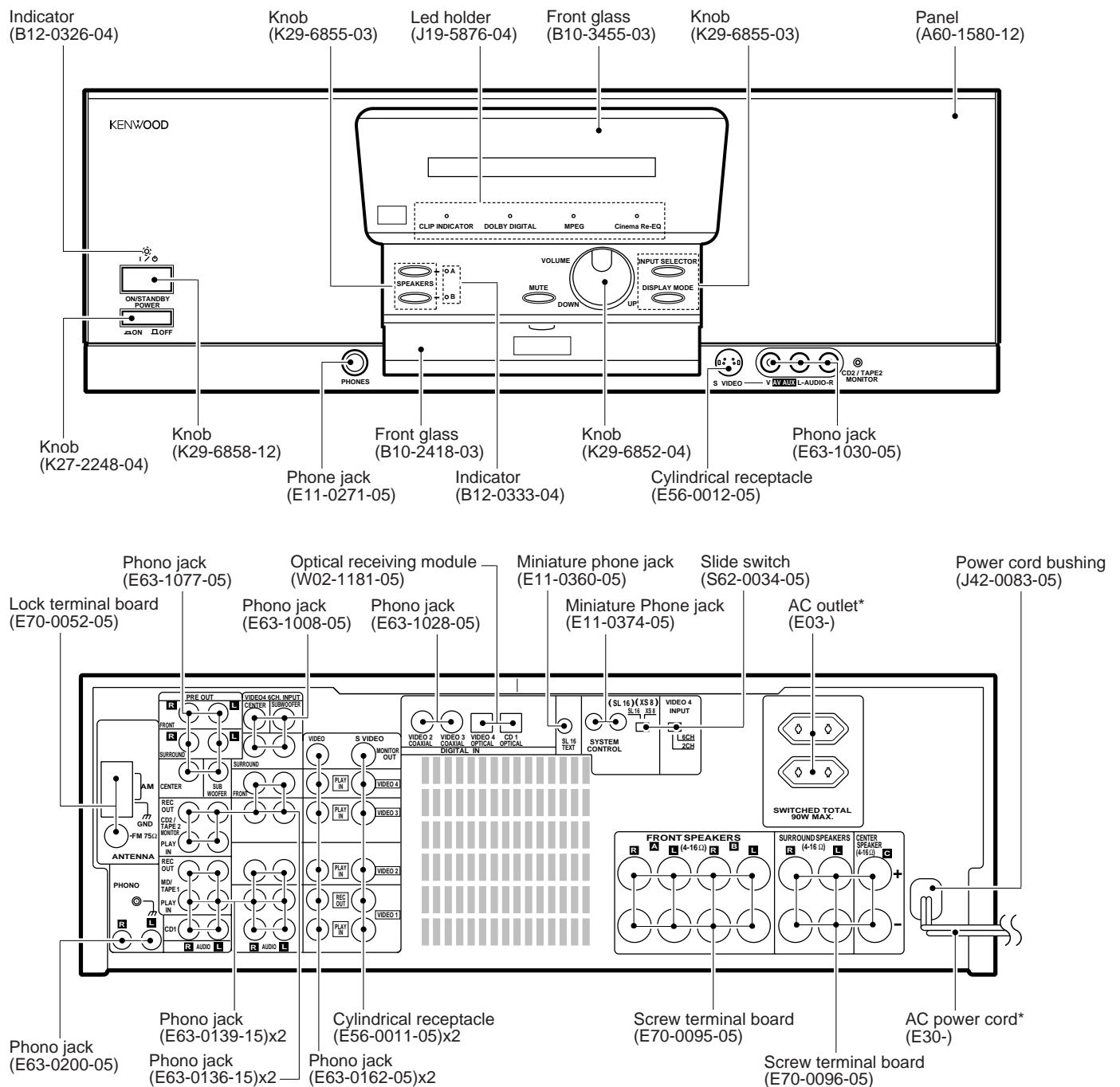
SERVICE MANUAL

(E,T type)

© 1999-1/B51-5498-00 (K/K) 1612

This manual is available for repair in the Europe and England markets.

Please refer to the original manual (B51-5426-00) if need the information in the USA and Canada and other markets.



*Refer to parts list on page52~.



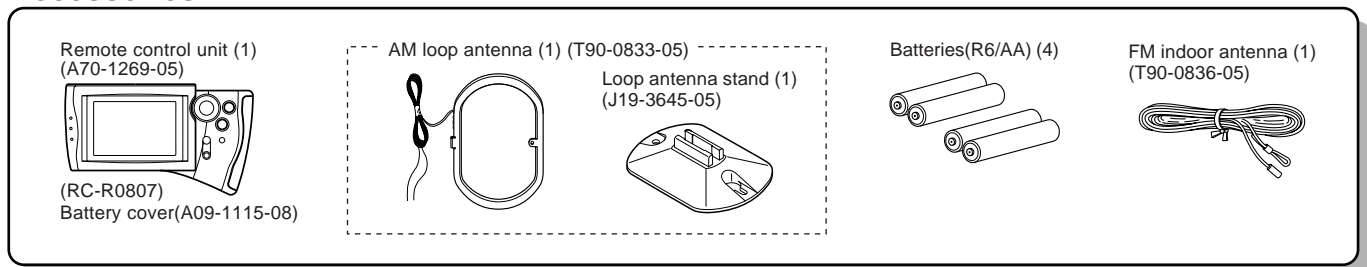
KRF-V7771D/V7771DE

CONTENTS / ACCESSORIES / CAUTIONS

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Accessories



Cautions

How to reset the microcomputer

The microcomputer may malfunction (impossibility of operation, erroneous display, etc.) when the power cord is unplugged and plugged in again while the unit is in ON mode or due to other external causes. In this case, execute the procedure on the right to reset the microcomputer and return the unit to the normal condition.

- Resetting the microcomputer clears the memory you entered and returns it to the initial condition when the unit left the factory.

① With the power cord plugged in, turn the POWER key to OFF.

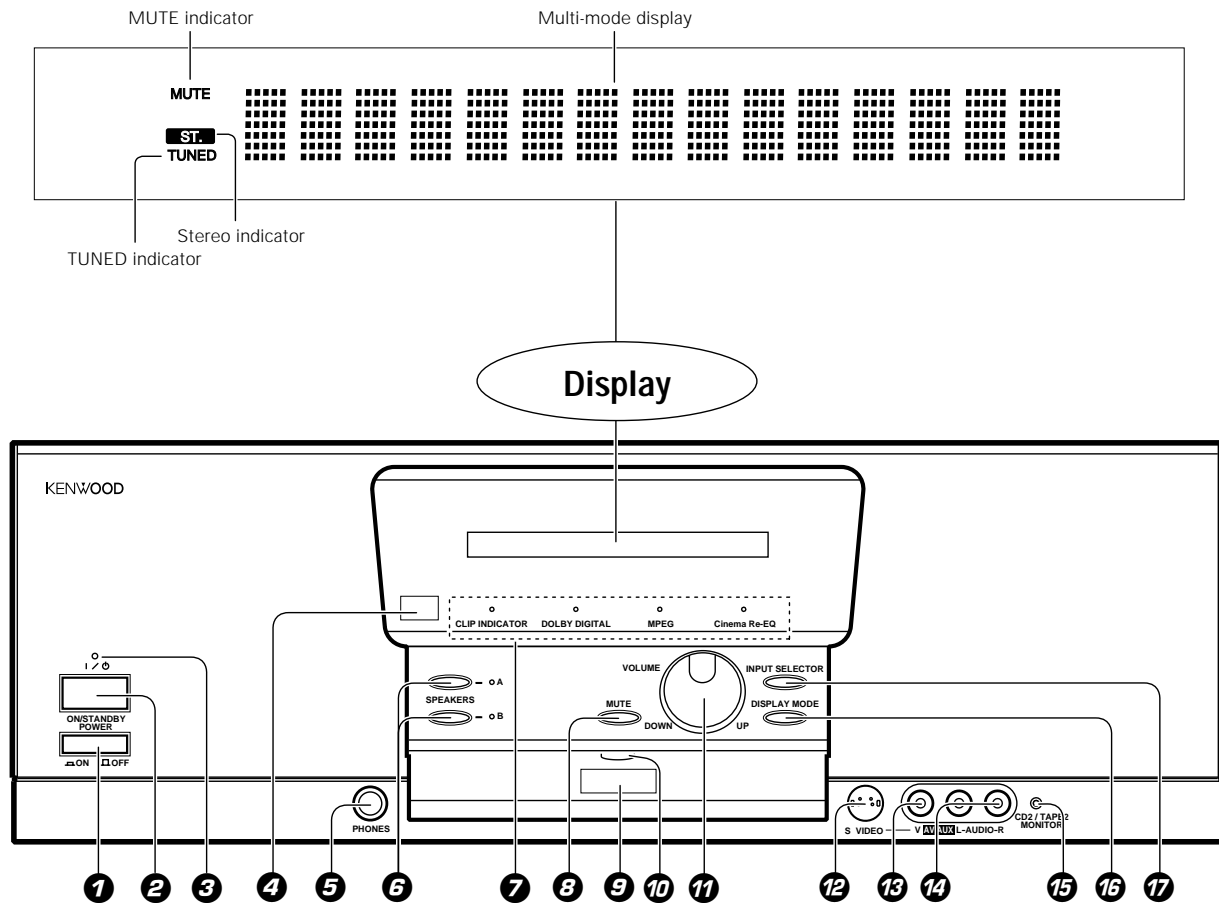
② While holding down the I/⏻ (ON/STANDBY) key, press the POWER key.

Memory backup function

Please note that the following items will be deleted from this unit's memory if the power cord is disconnected from the AC outlet for approximately three days.

- The input selection is cleared and the "Tuner" input is selected.
- The volume setting is cleared and the volume is set to "-66 dB".
- The receiving band setting is cleared and the "FM" band is selected.
- The frequency setting is cleared and 87.5 MHz is selected.
- The preset station memory is cleared.
- The surround setting is cleared and reset to the initial condition.

CONTROLS



1 POWER key

Press to switch the main power ON and OFF.

2 ON/STANDBY (I / O) key

Press to switch the power mode between STANDBY and ON.

3 Standby indicator

Lights in standby mode.

4 Remote sensor

Receives signals transmitted from the remote control unit.

5 PHONES jack

Use for listening to audio through headphones.

6 SPEAKERS keys

Press each key to switch the SPEAKERS A or SPEAKERS B ON and OFF.

7 Indicators

CLIP INDICATOR :

Lights when the input is clipped during analog to digital signal conversion.

DOLBY DIGITAL :

Lights when Dolby Digital is activated.

MPEG :

Lights when the MPEG is activated.

Cinema Re-EQ :

Lights when the Re-EQ is activated.

8 MUTE key

Press to mute the audio temporarily.

9 Remote transmitter

Sends signals to the remote control unit.

10 Communication indicator

Lights when signal is input from or output to the remote control unit.

11 VOLUME control knob

Rotate to adjust the volume.

12 S VIDEO input jack (AV AUX)

Connect the S VIDEO output jack of an AV component.

13 VIDEO input jack (AV AUX)

Connect the composite video output (RCA) jack of an AV component.

14 AUDIO (L, R) input jacks (AV AUX)

Connect the audio output (RCA) jacks of an AV component.

15 CD2/TAPE2 MONITOR indicator

Lights when the CD2/Tape2 (Monitor) input is used.

16 DISPLAY MODE key

Press to switch the display on the receiver.

Press for more than 2 seconds to switch the recording mode.

17 INPUT SELECTOR key

Press to switch the input as shown below.

TUNER
CD1
MD/Tape1
VIDEO1
VIDEO2
VIDEO3
VIDEO4
AV AUX
PHONO

Standby mode

While the standby indicator of the unit is lit, a small amount of current is flowing into the unit's internal circuitry to back up the memory. This condition is referred to as the standby mode of the unit. While the unit is in the standby mode, it can be turned ON from the remote control unit.

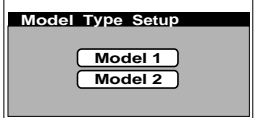
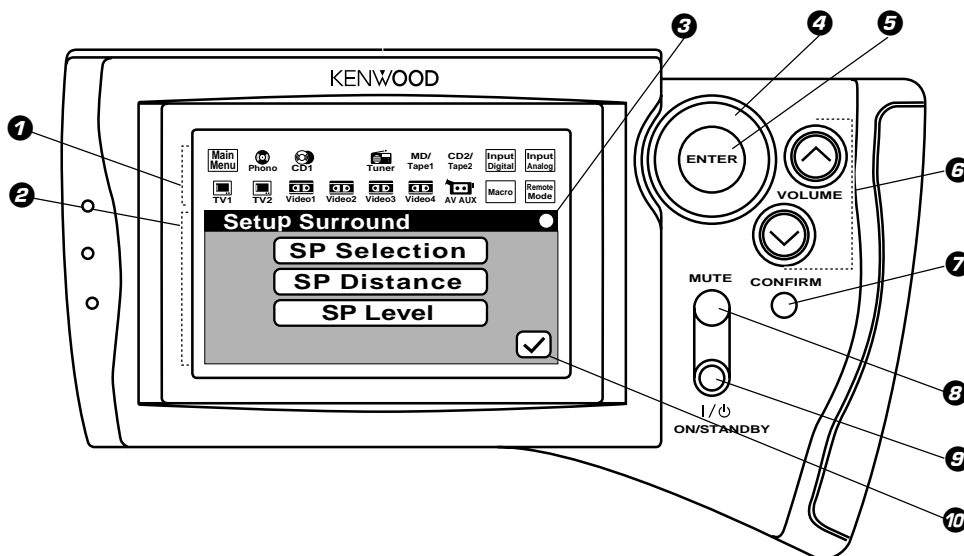
KRF-V7771D/V7771DE

CONTROLS

Note

Perform "Model Type Setup" of the remote control before using it.

The following menu display appears after the batteries are loaded for the first time.

1 Segment screen

The fixed icons are displayed in this area.

- **Main Menu icon** : Select to display the Main Menu screen.
- **Phono icon**
- **CD 1 icon**
- **Tuner icon**
- **MD/Tape 1 icon**
- **CD 2/Tape 2 icon**
- **Video 1 icon**
- **Video 2 icon**
- **Video 3 icon**
- **Video 4 icon**
- **AV AUX icon**

Select to switch input and control the selected input. (Phono and AV AUX : Input selection only)

- **TV 1 icon**
- **TV 2 icon**

Select to control TV.

- **Macro icon** : Select to control macro operation.
- **Input Digital icon** : Select to play a digital input.
- **Input Analog icon** : Select to play an analog input.
- **Remote Mode icon** : Select to switch the remote control operation mode without changing the selected input.

2 Menu screen

Control key icons and control levels are displayed in this area.

3 Communication status display

Shows the communication status.

4 Joy stick

This key is used to select an icon. This key can be controlled in 4 directions.

5 ENTER key

Press to enter the selection of an icon.

6 VOLUME (up, down) key

Press to control the volume.

7 CONFIRM key

Press to confirm the currently selected items.

8 MUTE key

Press to mute the audio temporarily.

9 I/O (ON/STANDBY) key

Press to turn the receiver and the components connected to it through system cords between ON and STANDBY modes.

10 Return (✓) icon

Select to return to the previous menu screen.

DISASSEMBLY FOR REPAIR

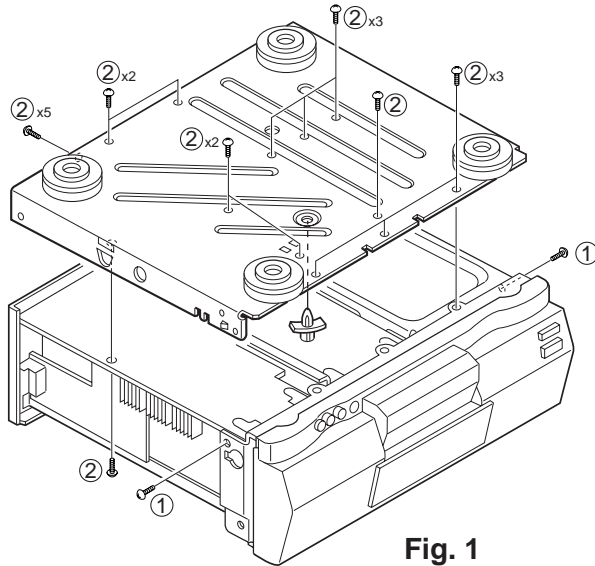


Fig. 1

[Remove the bottom plate.]

Make use of the changing final transistor etc.

1. Remove the 19 screws (①, ②) and PCB support, then remove the bottom plate.

[Check the vertical PCB]

1. (Exist bottom plate) Remove the hook of rear panel (①).
2. Remove the 29 (Exist bottom plate: 34) screws (②), then remove the rear panel.
3. Connect the GND of the phono terminal, the GND of antenna shield board, the GND of coax., the GND of system control shield board and the chassis with 5 wires connected alligator chips (③).

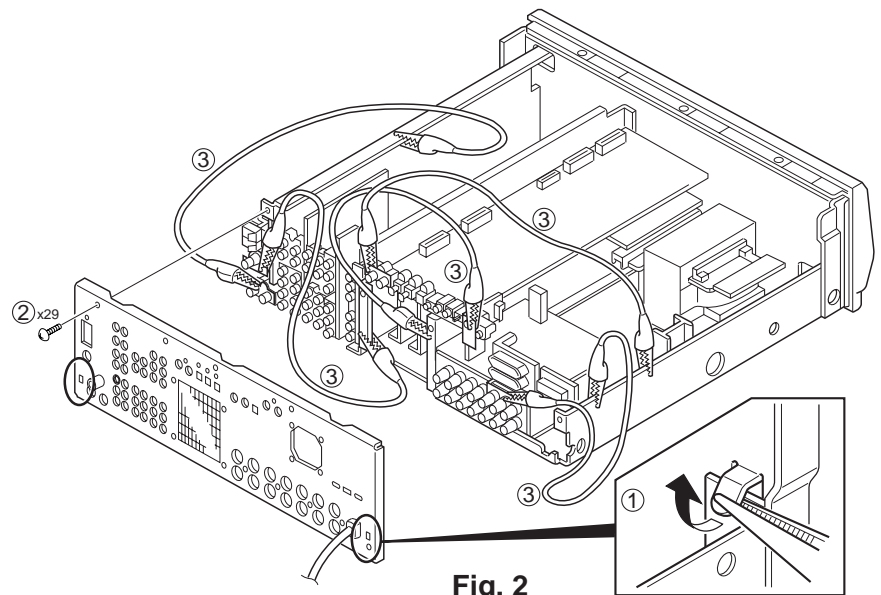


Fig. 2

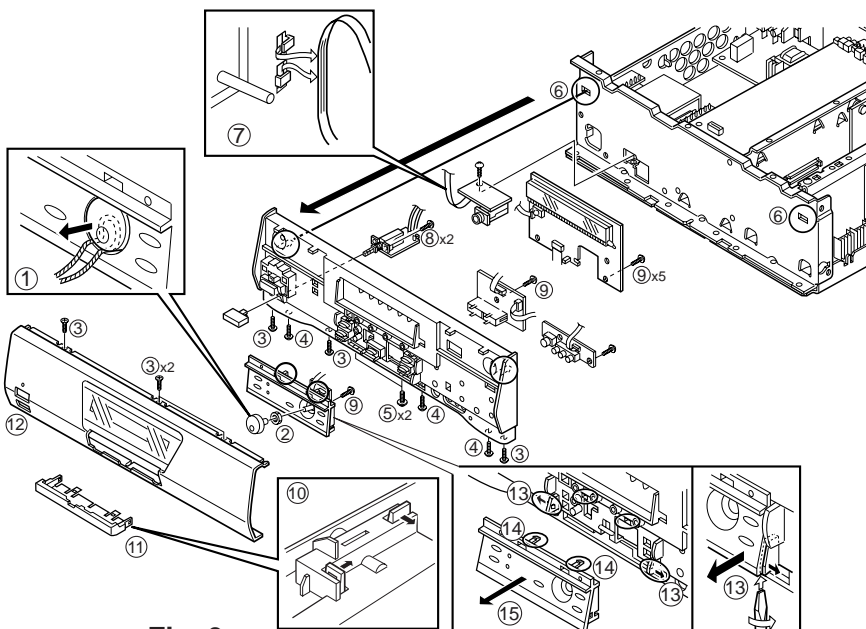
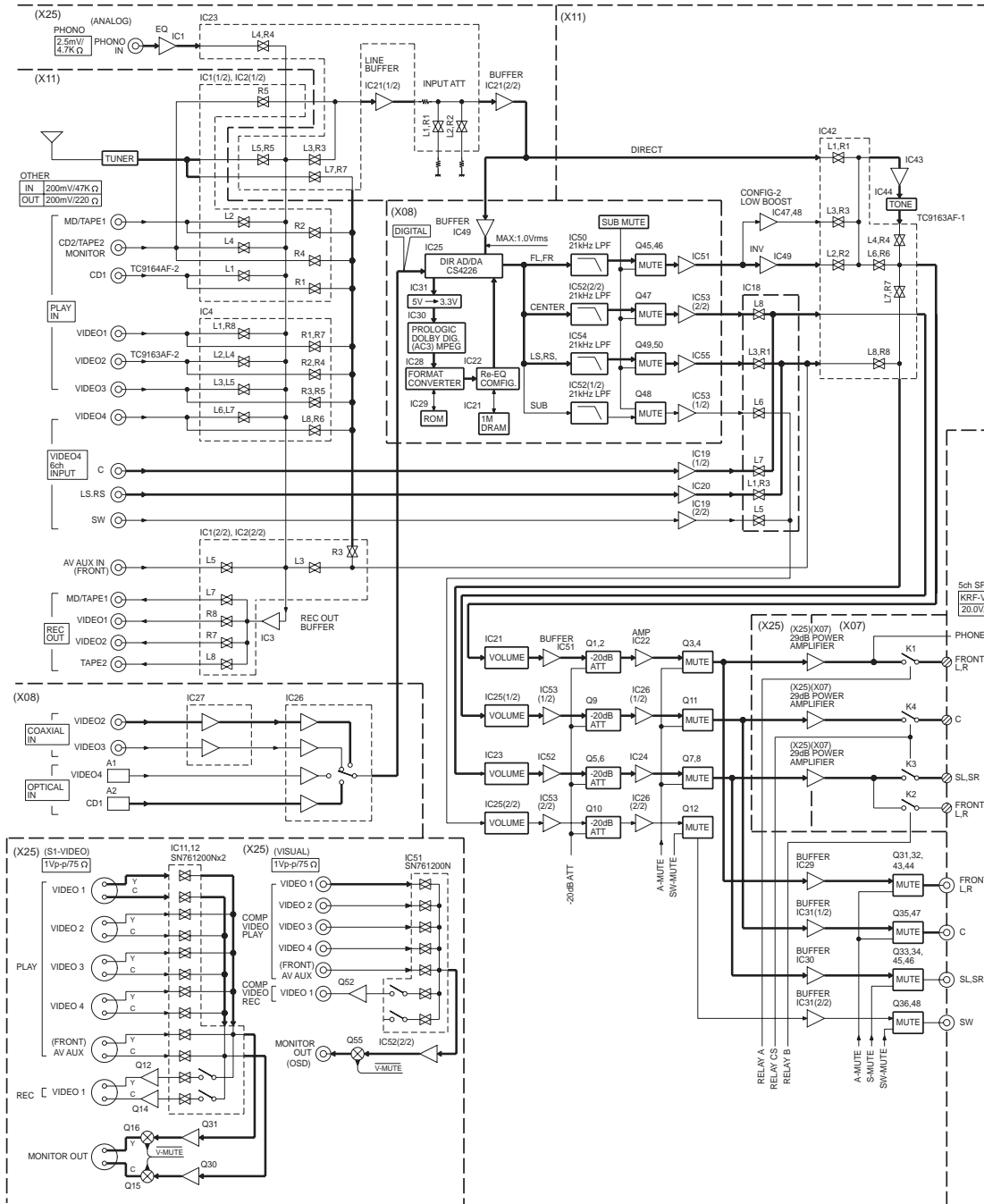


Fig. 3

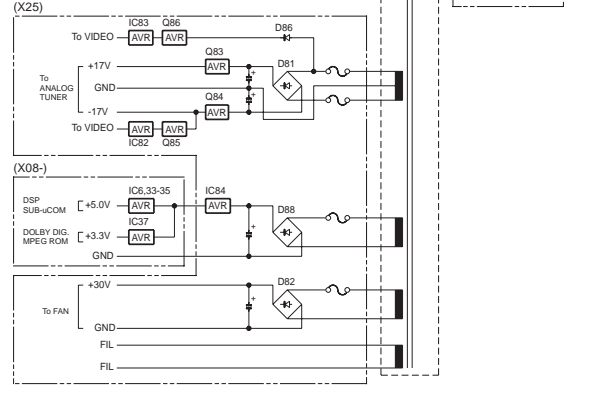
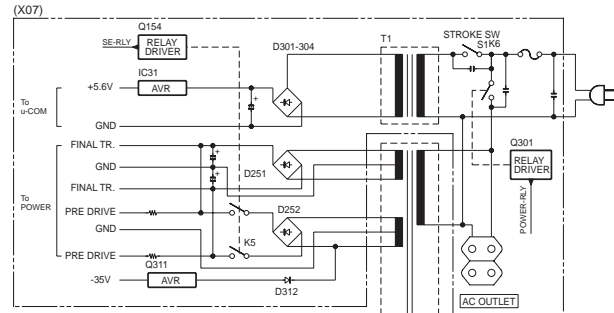
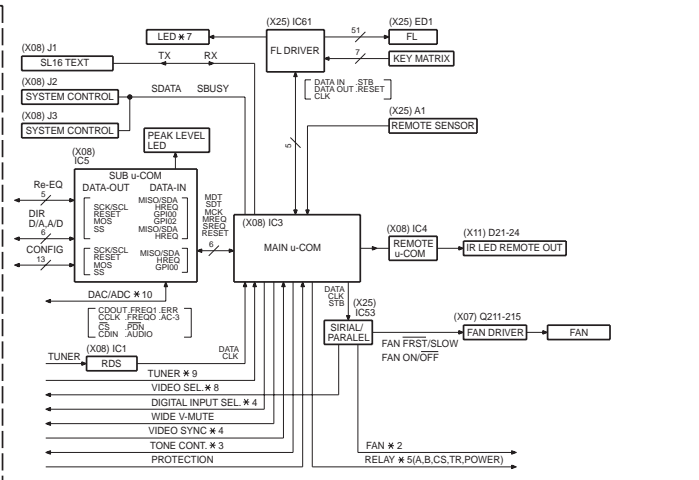
[Remove the escutcheon (operation panel)]

1. Remove the knob (①), the nut (②), the 11 screws (③, ④, ⑤) and 2 hooks (⑥), then remove the front panel ass'y.
2. Remove the lead wire (⑦), the 2 screws (⑧ : except K,P type) and 7 screws (⑨) then remove the PCB.
3. Remove the under front glass (⑩, ⑪), then remove the front panel (⑫) from the sub panel.
4. Remove the 2 under escutcheon sides (⑬) by \ominus screw driver and the 2 hooks (⑭) then remove the escutcheon (⑮).

(SIGNAL STAGE)



(u-COM STAGE)



BLOCK DIAGRAM

KRF-V7771D/V7771DE

KRF-V7771D(E,T)
KRF-V7771DE(E2)

KRF-V7771D/N7771DE

CIRCUIT DESCRIPTION

1. The back up item and initialization condition

1-1 Back up

- POWER ON/OFF : OFF
- VOLUME LEVEL : -66dB
- AUDIO INPUT • SELECTOR : TUNER
- VIDEO INPUT • SELECTOR : VIDEO1
- SPEAKER A : ON
- SPEAKER B : OFF
- CD2/TAPE2 MONITOR : TAPE2 OFF
- TONE : OFF
- LOUDNESS : OFF
- DISPLAY MODE : DEVICE+DGTL/ANLG
- RDS DISPLAY MODE : FREQUENCY
- DIMMER : DIMMER 1 (LIGHTEST)
- SURROUND MODE : STEREO
- Re-EQ : OFF
- DSP MODE : ARENA
- WALL TYPE : Med
- EFFECT LEVEL : 3
- MIDNIGHT MODE : OFF
- DISTANCE : FL/FR : 10ft (3m)
: C : 10ft (3m)
: RS/LS : 5ft (1.5m)
: SW : 10ft (3m)
- FRONT SP. : LARGE
- CENTER SP. : NORMAL
- SURROUND SP. : NORMAL/WIRED
- SUB WOOFER : ON
- SW Re-Mix : OFF
- INPUT LEVEL : 0dB
- CH. LEVEL : 0dB
- BASS PEAK LEVEL : OFF
- TONE BASS : 0dB
- TONE TREBLE : 0dB
- TUNING MODE : AUTO
- PRESET MEMORY : TEST MEMORY
FREQUENCY (Same value with KR-V999D/1090VR)
- LAST BAND : FM
- FM LAST FREQUENCY : 87.5MHz
- AM LAST FREQUENCY : 531kHz (CH. SP 9kHz)
: 530kHz (CH. SP 10kHz)
- LAST P. ch : [- ch]
- PTY SELECT MODE : OFF
- PTY SEARCH MODE : OFF
- TP SEARCH MODE : OFF
- RDS DISPLAY MODE : FREQUENCY MODE

1-2 The initial setting

While pressing POWER key, plug the AC power cord into an AC outlet (K,P type) or turn on the AC POWER switch.

2. Condition by the destination or model

(0 : Pull down, 1 : Pull up)

TYPE	BAND	Reception frequency	Channel space	IF	PLL standard frequency	Diode sw			
						⑦⑦ DSW3	⑦⑥ DSW2	⑦⑤ DSW1	⑦④ DSW0
K1 1700	FM	87.5MHz~108.0MHz	100kHz	+10.7MHz	25kHz	0	0	0	0
	AM	530kHz~1700kHz	10kHz	+450kHz	10kHz				
K2 1610	FM	87.5MHz~108.0MHz	100kHz	+10.7MHz	25kHz	0	0	0	1
	AM	530kHz~1610kHz	10kHz	+450kHz	10kHz				
K4 1700 RBDS	FM	87.5MHz~108.0MHz	100kHz	+10.7MHz	25kHz	1	0	1	0
	AM	530kHz~1700kHz	10kHz	+450kHz	10kHz				
E1	FM	87.5MHz~108.0MHz	50kHz	+10.7MHz	25kHz	0	0	1	1
	AM	531kHz~1602kHz	9kHz	+450kHz	9kHz				
E3 RDS	FM	87.5MHz~108.0MHz	50kHz	+10.7MHz	25kHz	0	1	0	1
	AM	531kHz~1602kHz	9kHz	+450kHz	9kHz				
Q1 RDS	FM L	65.0MHz~74.0MHz	10kHz	+10.7MHz	5kHz	1	0	1	1
	FM H	87.5MHz~108.0MHz	50kHz	+10.7MHz	5kHz				
	AM	531kHz~1602kHz	9kHz	+450kHz	9kHz				
M	K2/E1 is switched with only the setting of DSW1 (X11 : S601). (DSW1 = 0 : K2 type, 1 : E1 type)					0	0	X	1

3. TEST MODE

[setting method]

While pressing INPUT SELECTOR key, plug the AC power cord into an AC outlet (K, P type) or turn on the AC POWER switch with condition VIDEO4 SW(2ch) on the rear panel. When a set is set up in test mode condition a set becomes the following condition.

Automatic POWER ON. All indicator tube (FL) and CLIP INDICATOR LED are lighted. The other LED are flashed. A backup at the thing except ON/OFF of POWER is initialized.

[cancel method]

The power supply is turned off.

KRF-V7771D/V7771DE

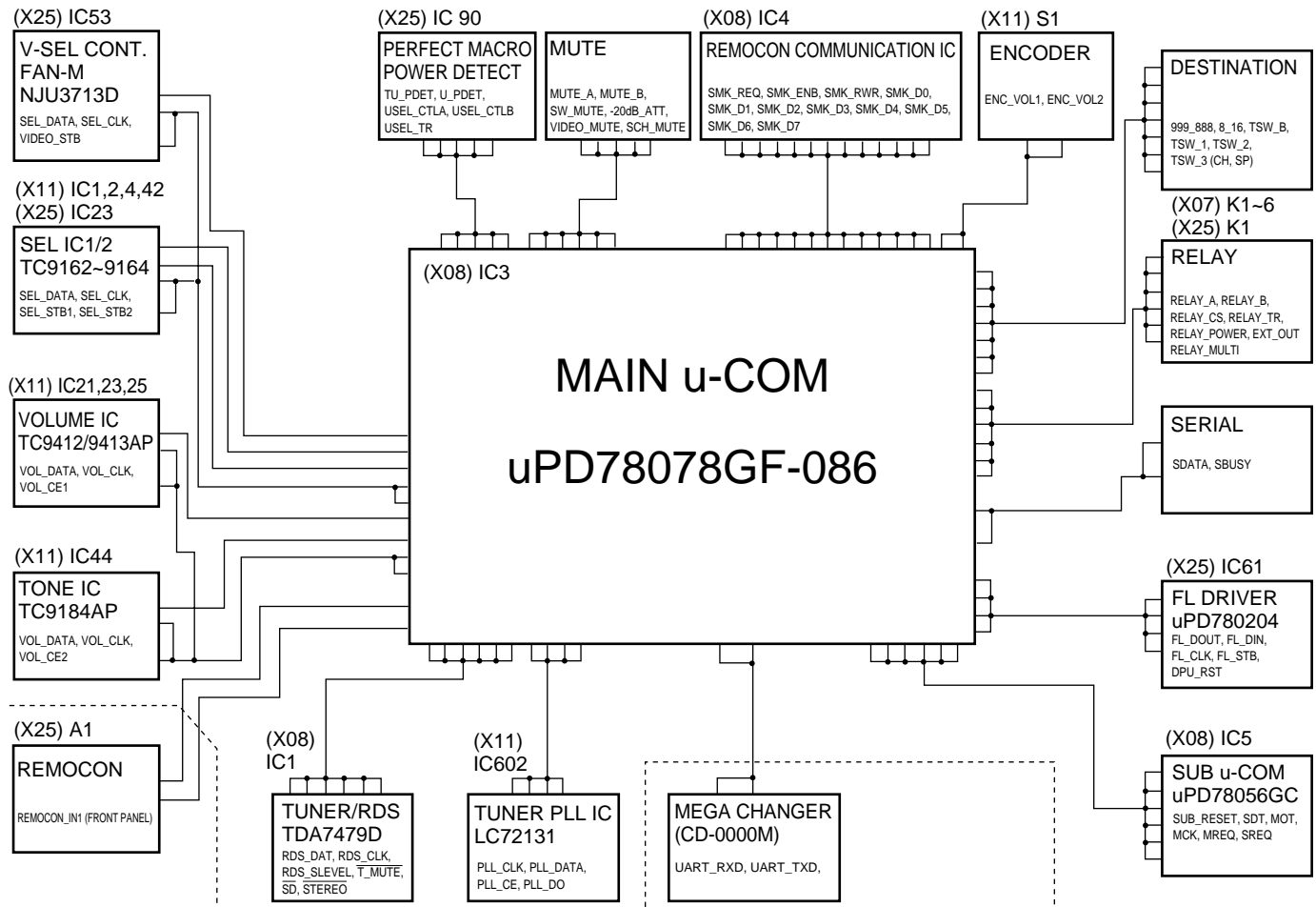
CIRCUIT DESCRIPTION

Push key	INPUT SELECTOR		SP A	SP B	MUTE	DISPLAY MODE
FL DISPLAY	TUNER	STEREO	P. CALL ↑ UP	P. CALL ↓ DOWN	ATT → OFF → ON → FM	AUTO/STEREO ↔ MANUAL/MONO (DOLBY DIGITAL LED : OFF ↔ ON)
	CD1	STEREO				TONE (TUNED) +10 (light on) ↔ OFF (light off)
	MD/TAPE1	STEREO				
	VIDEO1	PRO LOGIC				
	VIDEO2	3 STEREO				
	VIDEO3	PRO LOGIC+Re-EQ				
	VIDEO4	DSP				ARENA → JAZZ CLUB ↑ THEATER ←
	AV AUX	STEREO				TAPE2 OFF ↔ ON
PHONO	STEREO				INPUT LEVEL → 0dB → -3dB → -6dB	

SL16/XS8 SW (rear panel): SL16 → STANDBY LED (light off), XS8 → STANDBY LED (light on)

4. Main microprocessor uPD78078GF-086 (X08 : IC3)

4-1 Microprocessor periphery block diagram



4-2 Pin description

Pin	Name	I/O	Description
1	SEL_STB	O	VOLUME IC CE (TC9412AP/TC9413AP)
2	VOL_CLK	O	VOLUME IC CLOCK (TC9412AP/TC9413AP) TONE IC CLOCK (TC9184AP)
3	VOL_DATA	O	VOLUME IC DATA (TC9412AP/TC9413AP) TONE IC DATA (TC9184AP)
4	SEL_STB1	O	ANALOG SW. STROBE (TC9163/TC9164)
5	SEL_STB2	O	ANALOG SW. STROBE (TC9162/TC9163)
6	VIDEO_STB	O	VIDEO IC STROBE (NJU3713D)
7	SEL_CLK	O	ANALOG SW. CLOCK (TC9162-TC9164) VIDEO IC CLOCK (NJU3713D)
8	SEL_DATA	O	ANALOG SW. DATA (TC9162-TC9164) VIDEO IC DATA (NJU3713D)
9	IC(VPP)	-	NO USED
10	X2	-	MAIN CLOCK 4.19MHz (CERAMICS)
11	X1	I	MAIN CLOCK 4.19MHz (CERAMICS)
12	VDD	-	+5V
13, 14	XT2, 1	-	NO USED
15	RESET	I	uCOM RESET
16	REMOCON_IN1	I	REMOCON
17	6CH_2CH	I	VIDEO 4 ANALOG INPUT 6ch/2ch SELECT L : 2ch H : 6ch
18	RDS_DATA	I	RDS DATA (SAA6579)
19	RDS_CLK	I	RDS CLOCK (SAA6579)
20, 21	NC	I	NO USED
22	CE	I	BACK UP CE PORT
23	AVDD	-	+5V
24	AVREF0	I	A/D POWER SUPPLY
25	RDS_SLEVEL	I	RDS SLEVEL (SAA6579)
26	T_MUTE	O	TUNER MUTE
27	PLL_CLK	O	PLL IC CLOCK (LC72131)
28	PLL_DATA	O	PLL IC DATA (LC72131)
29	PLL_CE	O	PLL IC CE (LC72131)
30	SD	I	SD INPUT
31	STEREO	I	STEREO INPUT
32	PLL_DO	I	PLL IC DO (LC72131)
33	AVSS	-	GND
34	SUB_RESET	O	SUB uCOM RESET (uPD78056GC-A23)
35	V_PDET	I	PERFECT MACRO VIDEO POWER DETECT L : VIDEO POWER ON, H : VIDEO POWER OFF
36	AVREF1	-	+5V
37	UART_RXD	I	MECHA • CHANGER CD UART DATA RECEIVE (CD TEXT)
38	UART_TXD	O	MECHA • CHANGER CD UART DATA TRANSMIT (CD TEXT)
39	VSEL_TR	O	PERFECT MACRO VIDEO SELECTOR POWER SASW. Tr. CONTROL
40	VSS	-	GND
41	SDT	I	uCOM-uCOM COMMUNICATION SLAVE DATA (uPD78056GC-A23)
42	MDT	O	uCOM-uCOM COMMUNICATION MASTER DATA (uPD78056GC-A23)
43	MCK	O	uCOM-uCOM COMMUNICATION MASTER CLOCK (uPD78056GC-A23)
44	MREQ	O	uCOM-uCOM COMMUNICATION MASTER REQUEST (uPD78056GC-A23)
45	SREQ	I	uCOM-uCOM COMMUNICATION SLAVE REQUEST (uPD78056GC-A23)
46	FL_DOUT	I	FL DRIVER DATA IN
47	FL_DIN	O	FL DRIVER DATA OUT
48	FL_CLK	O	FL DRIVER CLOCK
49	FL_STB	O	FL DRIVER STROBE
50, 51	VSEL_CTL A, B	O	PERFECT MACRO VIDEO SELECTOR CONTROL A, B
52-54	FAN_1-3	I	FAN DETECT 1-3
55	SDATA	I/O	SERIAL DATA
56	SBUSY	I/O	SERIAL BUSY
57	RELAY_A	O	SPEAKER A RELAY
58	RELAY_B	O	SPEAKER B RELAY
59	RELAY_CS	O	CENTER/SURROUND SPEAKER RELAY
60	RELAY_TR	O	TR. RELAY

Pin	Name	I/O	Description
61	RELAY_POWER	O	POWER RELAY
62	EXT_OUT	O	EXTERNAL RELAY CONTROL
63	NC	O	NO USED
64	DRV_RST	O	FL DRIVER RESET
65	TV_PDET	I	PERFECT MACRO TV POWER DETECT L : TV POWER OFF, H : TV POWER ON
66	9991_7771	I	TYPE SELECT L : KRF-V7771D, H : KRF-X9991D
67	8_16	I	SERIAL SELECT L : SERIAL 16bit, H : SERIAL 8bit
68	ENC_VOL2	I	VOLUME ENCODER IN
69	ENC_VOL1	I	VOLUME ENCODER IN
70	PROTECTION1	I	PROTECT VOLTAGE DETECT L : OFF, H : ON
71	VSS	-	GND
72	PROTECTION2	I	PROTECT CURRENT DETECT L : OFF, H : ON
73	NC	I	NO USED
74-77	TSW_0	I	TUNER DESTINATION SW. 0-3
78-82	NC	-	NO USED
83	SMK_REQ	O	REMOCON DATA TRANSMIT IC REQ
84	SMK_ENB	I	REMOCON DATA TRANSMIT IC ENB
85	SMK_RWR	I	REMOCON DATA TRANSMIT IC RWR
86-93	SMK_D0-7	O	REMOCON DATA TRANSMIT IC D 0-7
94	MUTE_A	O	ROOM A MUTE
95	NC	O	NO USED
96	SW_MUTE	O	SWch MUTE
97	-20dB_ATT	O	-20dB ATTENUATER
98	VIDEO_MUTE	O	VIDEO MUTE
99	SCH_MUTE	O	Sch MUTE
100	TONE_STB	O	TONE IC CE (TC9184AP)

CIRCUIT DESCRIPTION

KRF-V7771D/N7771DE

CIRCUIT DESCRIPTION

5. AUDIO INPUT SELECTOR CONTROL

(O: ON)

(1) TC9162/TC9163/TC9164 SW. CONTROL
CD2/TAPE2 MONITOR:TAPE2

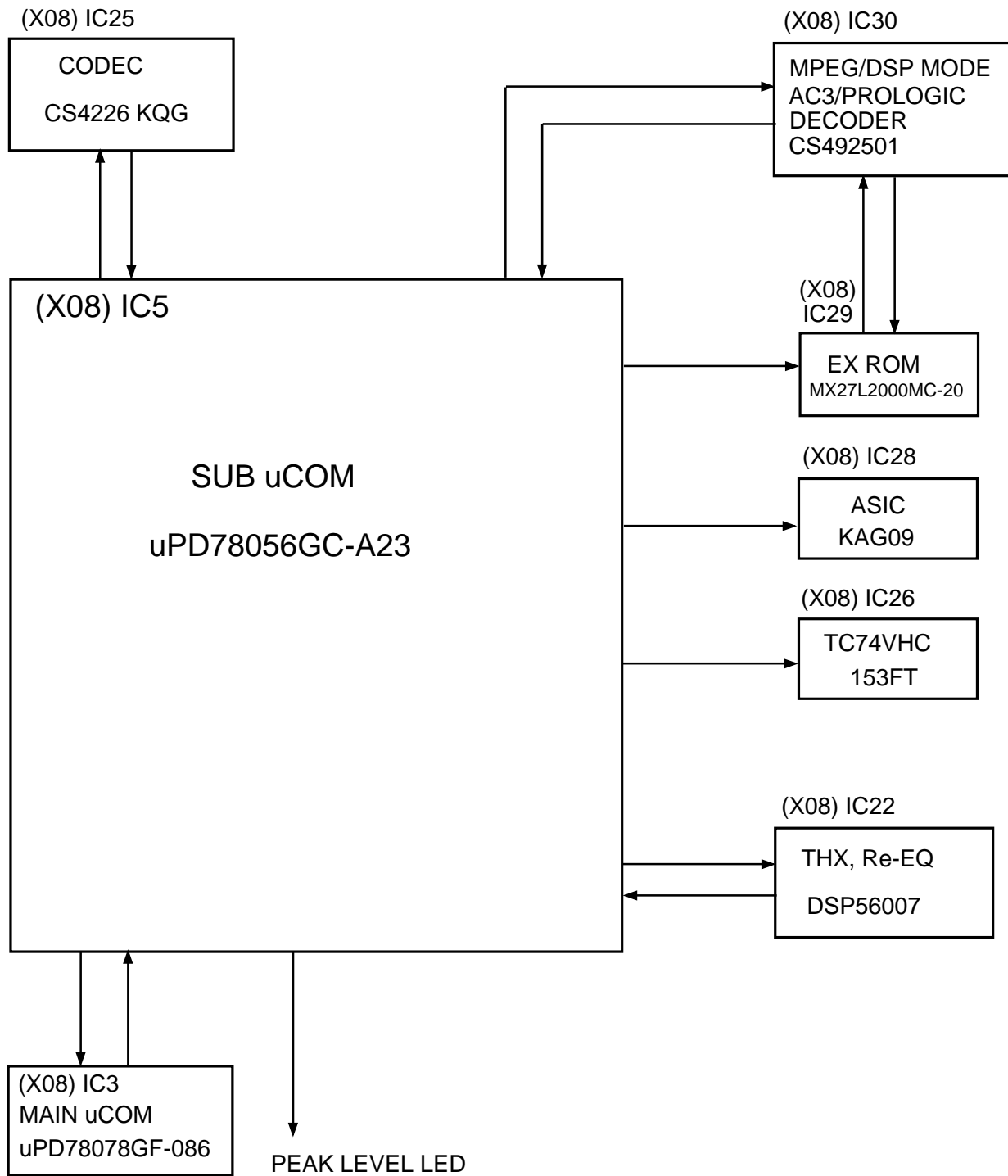
TAPE2/ MONITOR	INPUT MODE	SURROUND MODE	INPUT SELECTOR Pin NO.	(X25:IC23)TC9162AF							(X11:IC4)TC9163AF																(X11:IC1,2)TC9164AF																								
				SW1	SW2	SW3	SW4	SW5	SW6	SW7	L1	L2	L3	L4	L5	L6	L7	L8	R1	R2	R3	R4	R5	R6	R7	R8	L1	L2	L3	L4	L5	L6	L7	L8	R1	R2	R3	R4	R5	R6	R7	R8									
				(2)	(27)	(3)	(26)	(5)	(24)	(6)	(23)	(8)	(21)	(9)	(20)	(11)	(18)	(2)	(3)	(4)	(6)	(7)	(8)	(10)	(11)	(27)	(26)	(25)	(23)	(22)	(21)	(19)	(18)	(2)	(3)	(4)	(5)	(7)	(8)	(10)	(11)	(27)	(26)	(25)	(24)	(22)	(21)	(19)	(18)		
TAPE2 OFF	ANALOG		PHONO			O	O																																												
			TUNER			O		O	O																																										
			MD/TAPE1			O																																													
			CD1			O																																													
			VIDEO1			O							O																																O	O					
			VIDEO2			O								O																															O	O					
			VIDEO3			O									O																														O	O					
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TAPE2 ON	ANALOG		PHONO				O																																												
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				VIDEO2																																															
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			VIDEO4																																																

CD2 is set CD2/TAPE2:(x11)IC1,2 (1) pin OFF

CIRCUIT DESCRIPTION

6. Sub microprocessor uPD78056GC-A23 (X08 : IC5)

6-1 Microprocessor periphery block diagram



6-2 Pin description

Pin No.	Name	I/O	Description
1	25/26	O	ASIC KAG09 CS4925/CS4226 SELECT L : Transmitting data to CS4925 H : Transmitting data to CS4226
2	N.C.	I	—
3	A15	O	EX ROM ADDRESS SET
4	AVSS	—	—
5	A16	O	EX ROM ADDRESS SET
6	A17	O	EX ROM ADDRESS SET
7	AVREF1	—	+5V
8	CS_SCDIN	I	CS4226 & CS4925 SERIAL DATA IN
9	CS_SCDOUT	O	CS4226 & CS4925 SERIAL DATA OUT
10	CS_SCCLK	O	CS4226 & CS4925 SERIAL CLOCK
11	MDT	I	Microprocessor communication MASTER DATA
12	SDT	O	Microprocessor communication SLAVE DATA
13	MCK	I	Microprocessor communication MASTER CLOCK
14	MREQ	I	Microprocessor communication MASTER REQUEST
15	SREQ	O	Microprocessor communication SLAVE REQUEST
16	DSP_SO	I	DSP56007(THX,Re-EQ) MASTER IN SLAVE OUT
17	DSP_SI	O	DSP56007(THX,Re-EQ) MASTER OUT SLAVE IN
18	DSP_CK	O	DSP56007(THX,Re-EQ) CLOCK
19-26	N.C.	I	—
27	DSP_RST	O	DSP56007(THX,Re-EQ) RESET
28	DSP_SS	O	DSP56007(THX,Re-EQ) SLAVE SELECT
29	DSP_HR	I	DSP56007(THX,Re-EQ) HOST REQUEST
30	PEAK_LEVEL	O	PEAK LEVEL LED driver
31,32	N.C.	I	—
33	VSS	—	GND
34-38	N.C.	I	—
39	(9992/7771)	I	(9992/7771) model non use
40-46	N.C.	I	—
47	SUB_MUTE	—	SUB MUTE Control
48-52	N.C.	I	—
53	CS_PDN	O	CODEC CS4226 POWER DOWN
54	CS_FREQ1	I	CODEC CS4226 FS CHECK1
55	CS_FREQ0	I	CODEC CS4226 FS CHECK0
56	N.C.	I	—
57	CS_26	O	CODEC CS4226 CHIP SELECT
58,59	N.C.	I	—
60	RESET	I	RESET
61	CS_OVL/ERR	I	CODEC CS4226 OVER LEVEL/ERROR Detector
62	CS_AUDIO	I	CODEC CS4226 AUDIO/NO AUDIO Detector
63	CS_AC3	I	CODEC CS4226 AC-3/MPEG Detector
64	DATA_IN	I	CODEC CS4226 DATA output detector
65	ABOOT_I	I/O	DSP CS4925 AUTO BOOT/INTREQ
66	CS_RST	O	DSP CS4925 RESET
67	CS_25	O	DSP CS4925 CHIP SELECT
68	VDD	—	+5V
69,70	X2,1	—	CERAMICS CLOCK OSCILLATION
71	IC(VPP)	—	GND
72,73	XT2,1	—	N.C.
74	AVDD	—	+5V
75	AVREF0	—	GND
76	DSA	O	DIGITAL INPUT SELECTOR TC74HC153AF
77	DSB	O	DIGITAL INPUT SELECTOR TC74HC153AF
78	DSG	O	DIGITAL INPUT SELECTOR TC74HC153AF
79	DI/AI	O	INPUT SELECTOR DIGITAL/ANALOG SELECT TC74HC153AF
80	INT/BOOT	O	CS4925 INTRQ/AUTO BOOT SELECT

6-3 PORT CONTROL

6-3-1 Pin3,5,6 EX ROM CONTROL CS492501 (x08 : IC30) CONDITION : BOOT

	A15 (pin3)	A16 (pin5)	A17 (pin6)
AC-3 / PCM	L	L	L
MPEG	H	H	L
DSP MODE	H	L	L

6-3-2 Pin76-79 TC74HC153AF (X08 : IC26) CONTROL

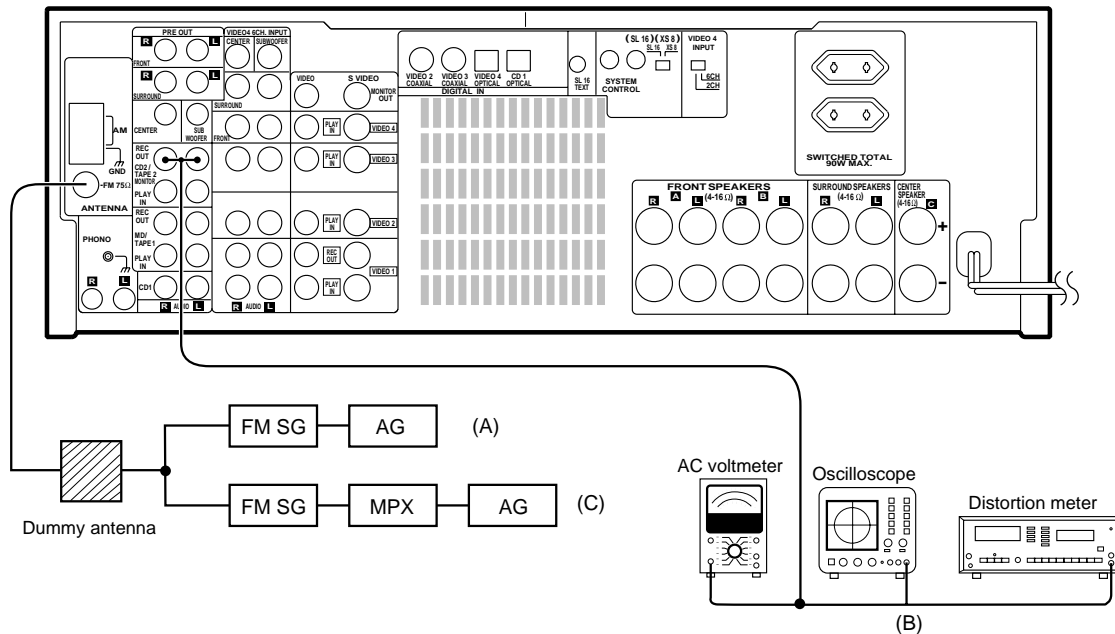
INPUT TYPE	SEL.OUTPUT	DI/AI(pin79)	DSG(pin78)	DSB(pin77)	DSA(pin76)
ANALOG ONLY	EXCEPT	H	H	OPTION	OPTION
	CD1				
	VIDEO2				
	VIDEO3				
ANALOG	VIDEO4	H	H	OPTION	OPTION
	CD1				
	VIDEO2				
	VIDEO3				
DIGITAL	VIDEO4	L	L	L	L
	CD1				
	VIDEO2				
	VIDEO3				

KRF-V7771D/V7771DE

ADJUSTMENT

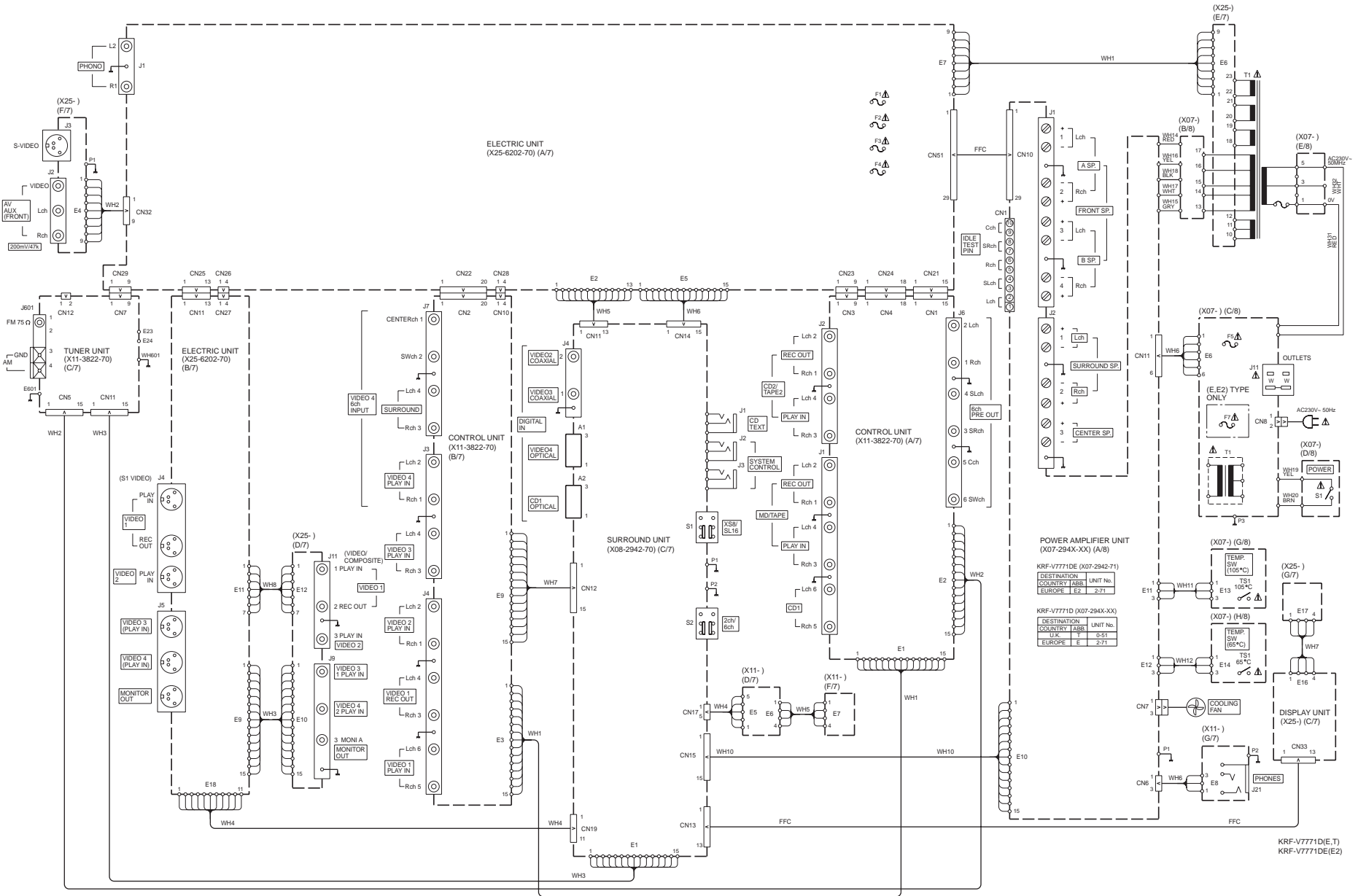
No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	RECEIVER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION :		SELECTOR : FM		*Adjust NO.1 and NO.2 repeat.			
1	DISCRIMINATOR	(A) 98.0MHz 1kHz, ±40kHz dev. 70dBf (ANT. input)	Connect a DC voltmeter between CN12 ① and CN12 ② (X11)	MONO 98.0MHz	L604 (X11)	0V	(a)
2	DISTORTION (MONO)	(A) 98.0MHz 1kHz, ±40kHz dev. MONO 70dBf (ANT. input)	(B)	MONO 98.0MHz	L605 (X11)	Minimum distortion	(a)
3	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±40kHz dev. Selector : L or R Pilot : ±6kHz dev. 70dBf (ANT. input)	(B)	AUTO 98.0MHz	IFT(RF FRONTEND : A601)	Minimum distortion (L or R)	(a)
4	TUNING LEVEL	(A) 98.0MHz MONO 1kHz, ±40kHz dev. 25dBf (ANT. input)	(B)	MONO 98.0MHz	VR601 (X11)	Adjust VR601 and stop at the point where ED1 (TUNED) goes on.	(a)
AUDIO SECTION		SPEAKER : A		PREOUT : OFF		PROLOGIC : ON	
<1>	IDLE CURRENT	—	Connect a DC voltmeter across CN1 (each port) 1, 2 pin : L 5, 6 pin : R 3, 4 pin : SL 7, 8 pin : SR 9, 10 pin : C	(FRONT 2ch MODE) Volume:0	VR1(L) VR2(R) VR3(SL) VR4(SR) VR5(CENTER) (X07-)	10mV	

SYSTEM CONNECTIONS



KRF-V7771D/V7771DE

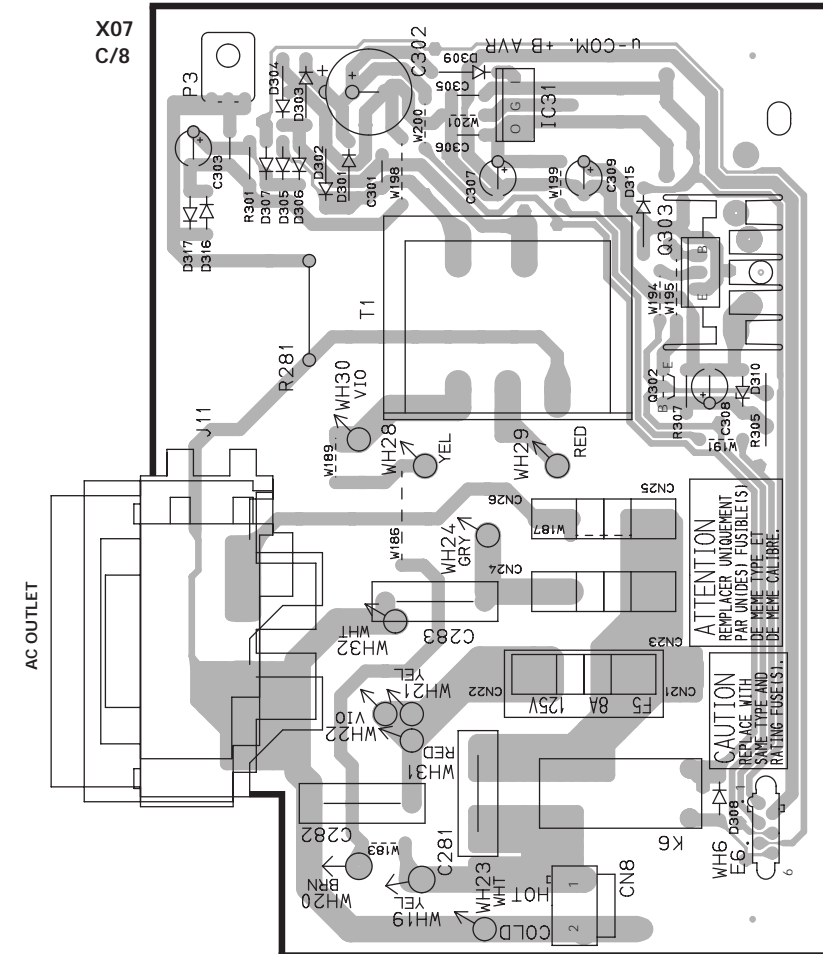
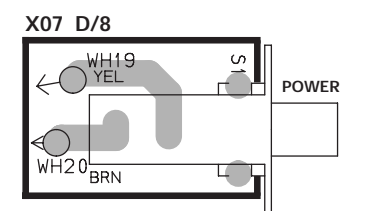
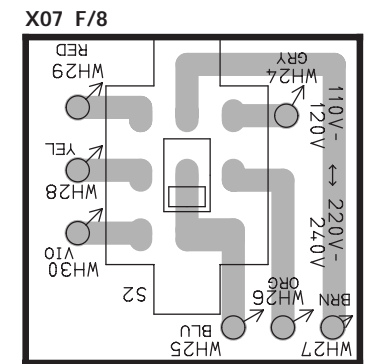
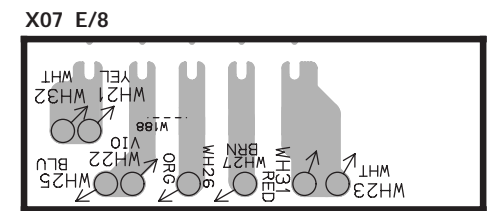
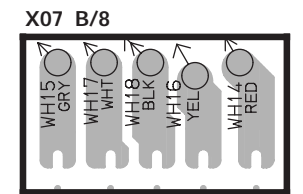
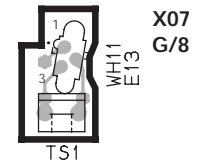
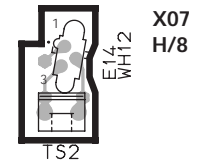
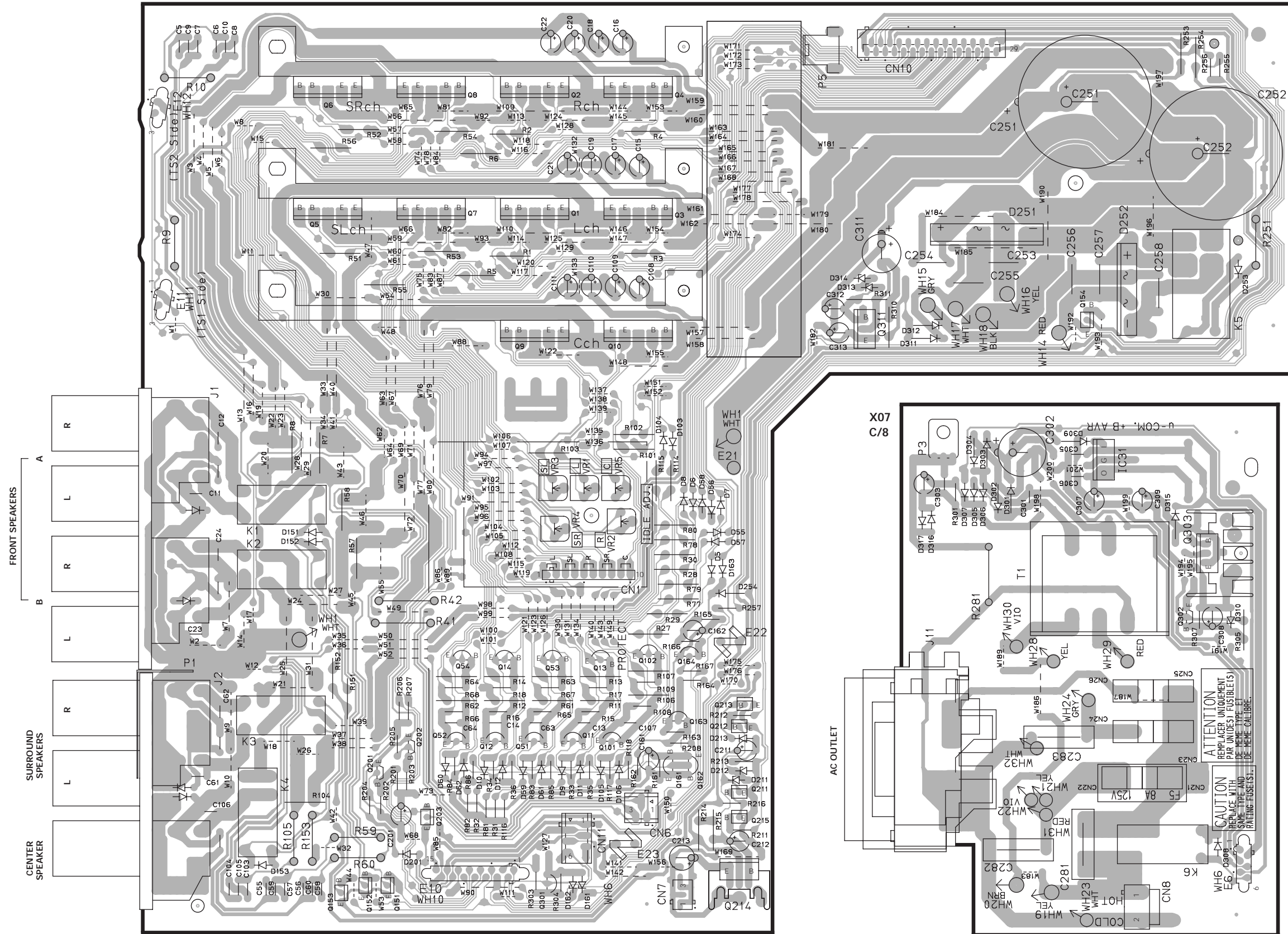
WIRING DIAGRAM



KRF-V7771D(E,T)
KRF-V7771DE(E)

PC BOARD(Component side view)

X07-294X-XX A/8 (J70-1153-11)

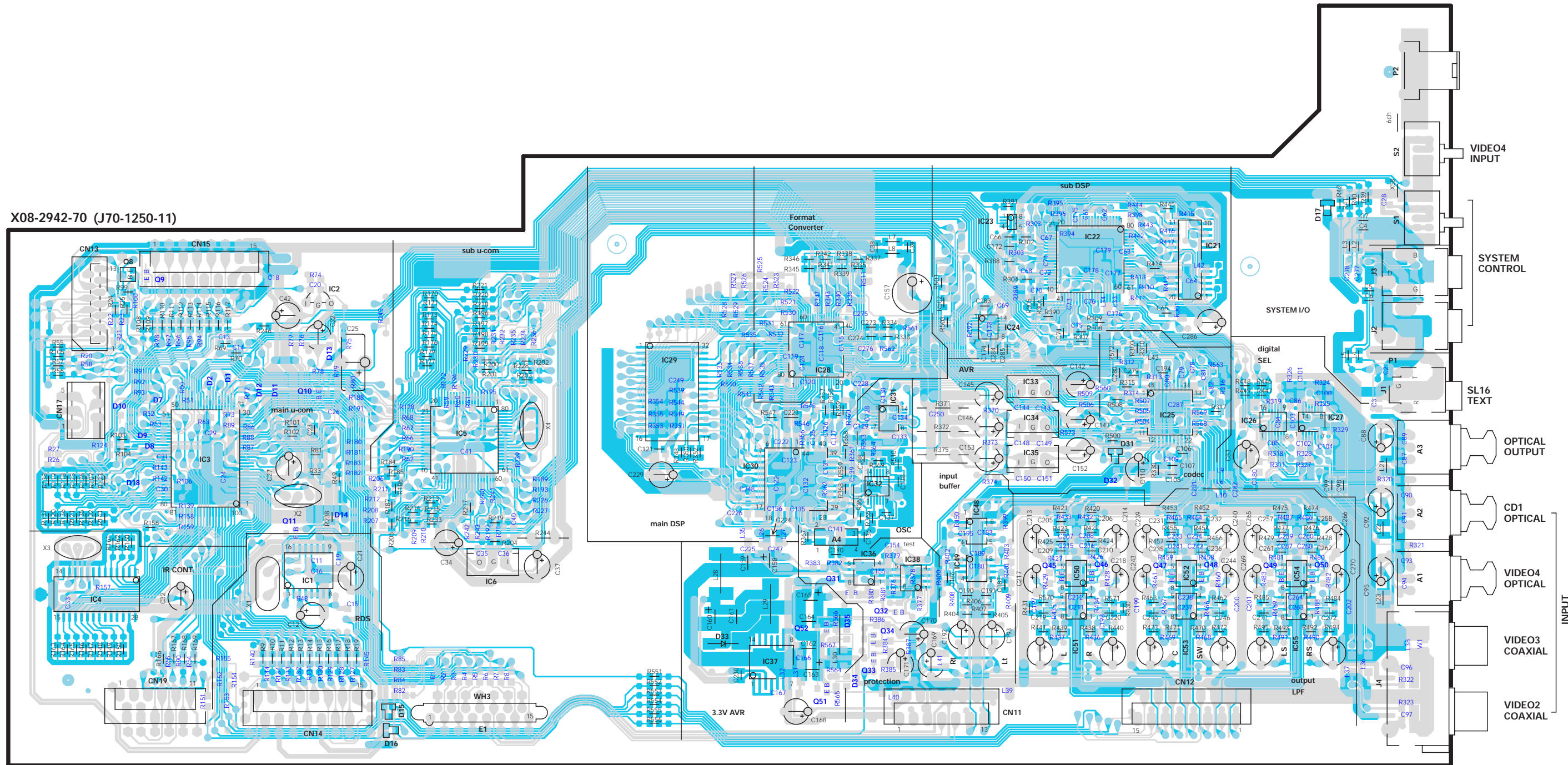


ATTENTION
REPLACE WITH
PAR UNDES / FUSIBLE(S)
DE MEME TYPE ET
DE MEME CALIBRE.

CAUTION
REPLACE WITH
SAME TYPE AND
RATING FUSE(S).

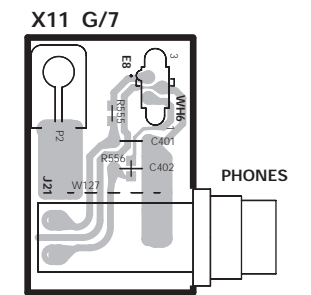
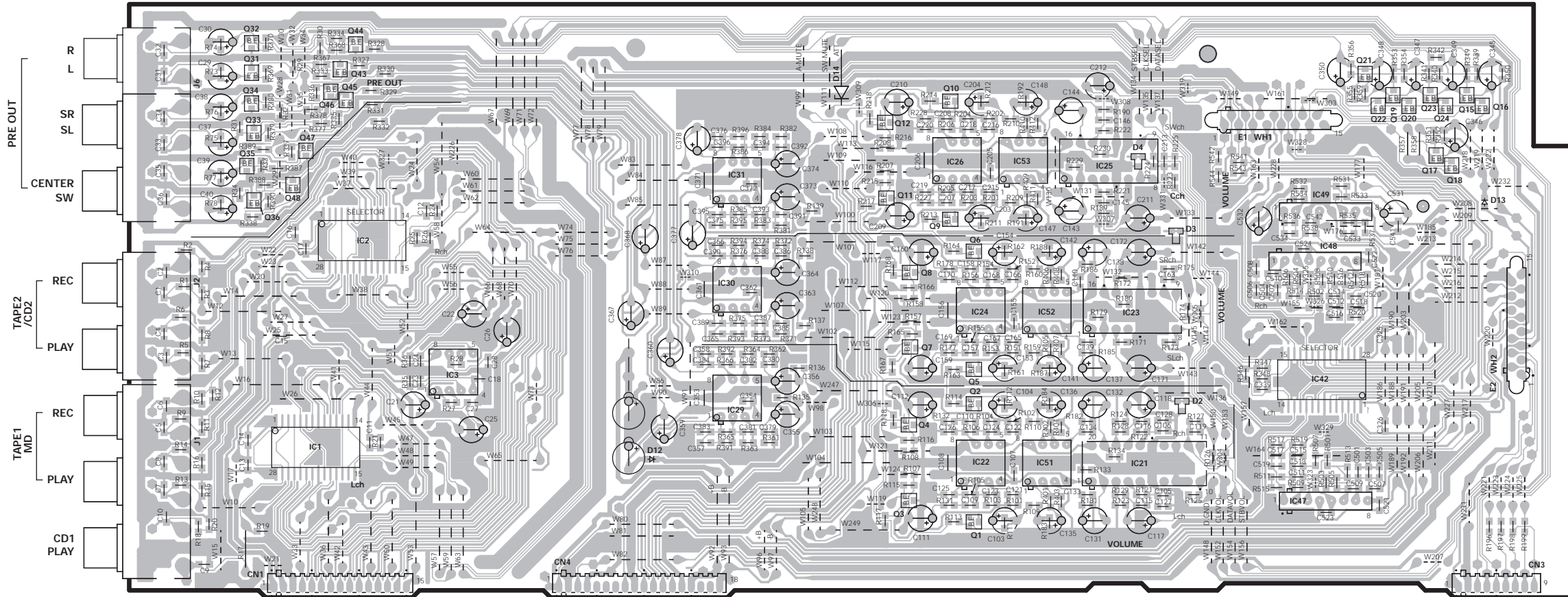
PC BOARD(Component side view)

X08-2942-70 (J70-1250-11)

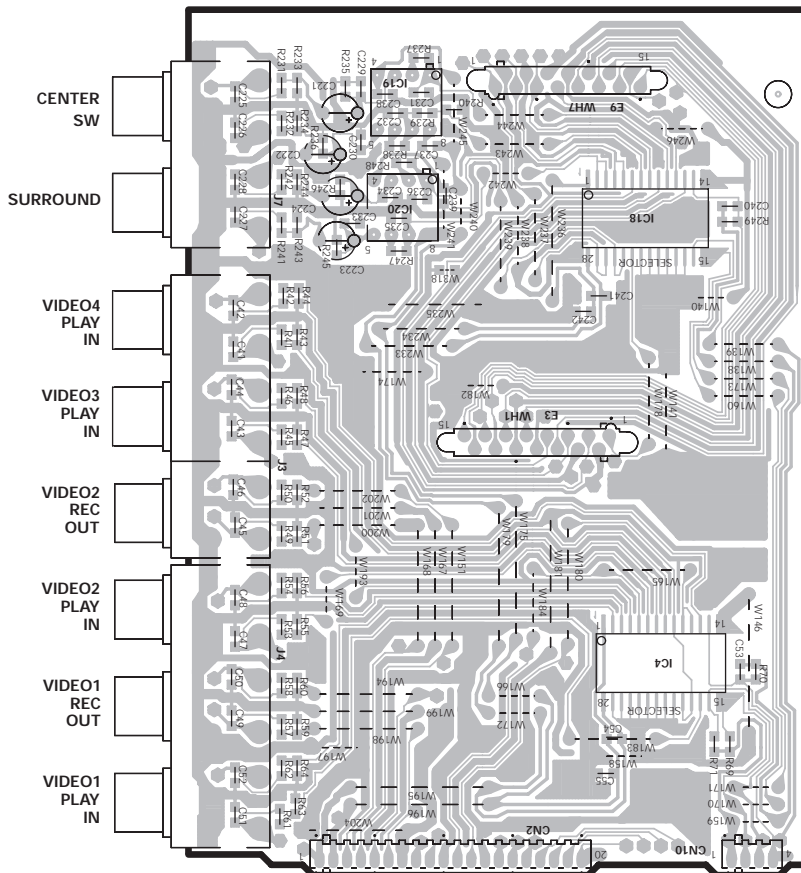


PC BOARD(Component side view)

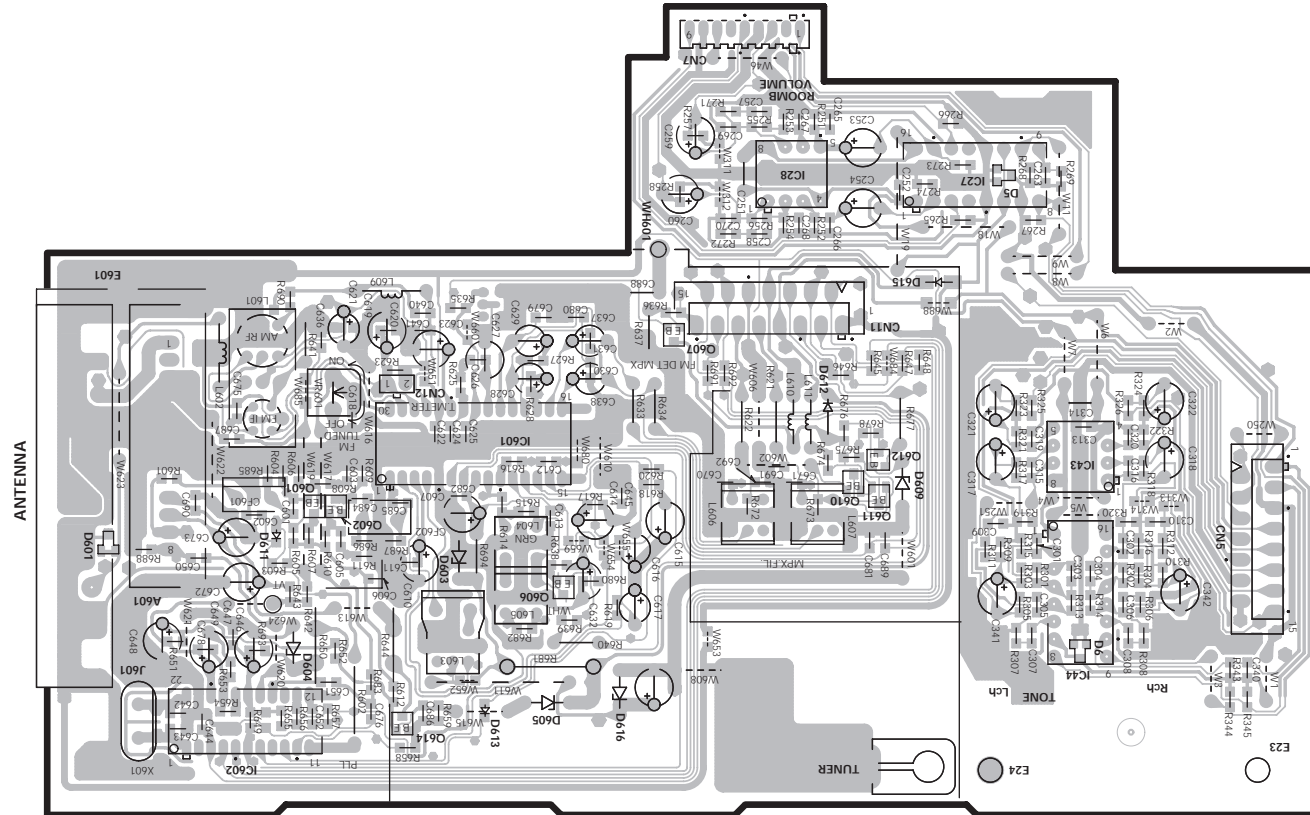
X11-3822-70 A/7 (J70-1251-11)



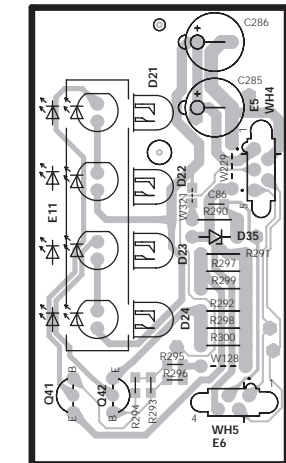
X11 B/7



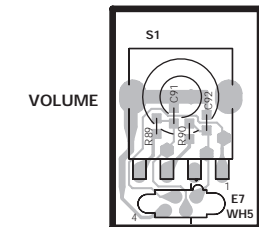
X11 C/7



X11 D/7

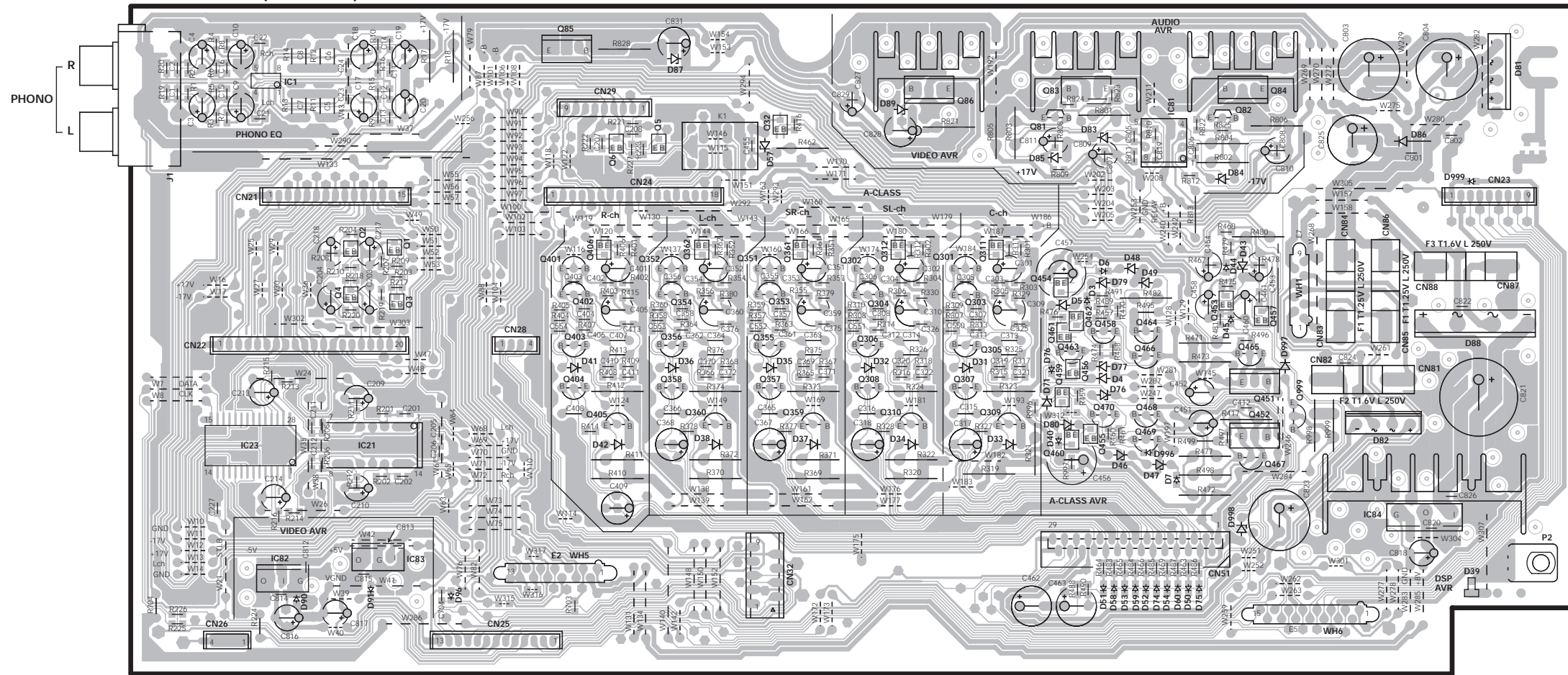


X11 F/7

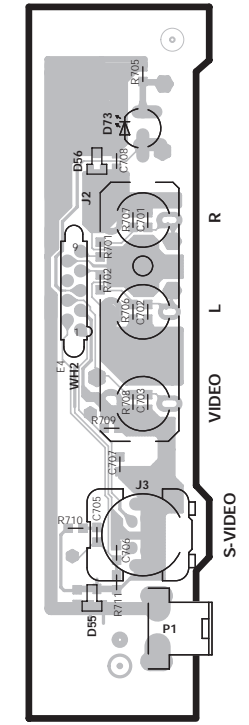


PC BOARD(Component side view)

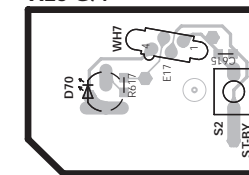
X25-6202-70 A/7 (J70-1292-11)



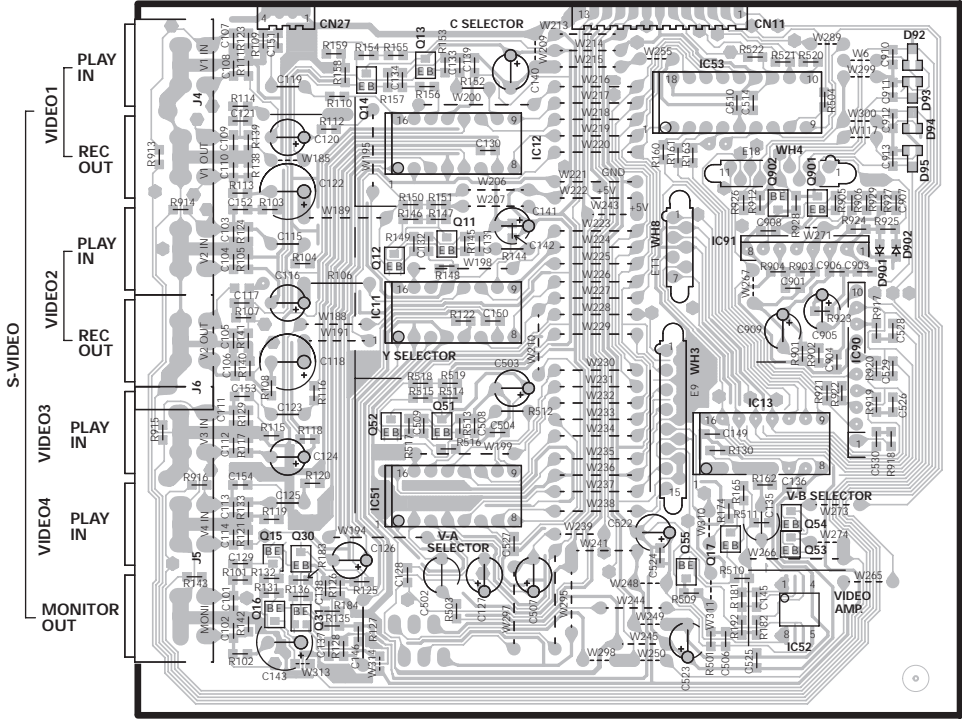
X25 F/7



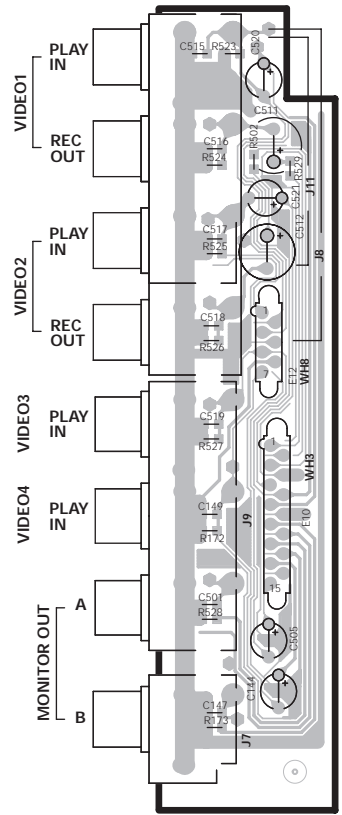
X25 G/7



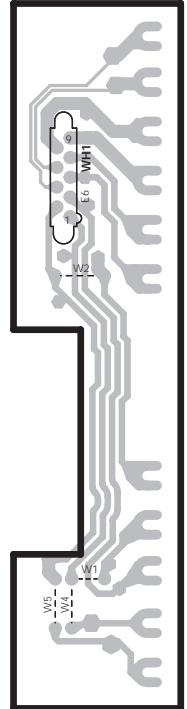
X25 B/7



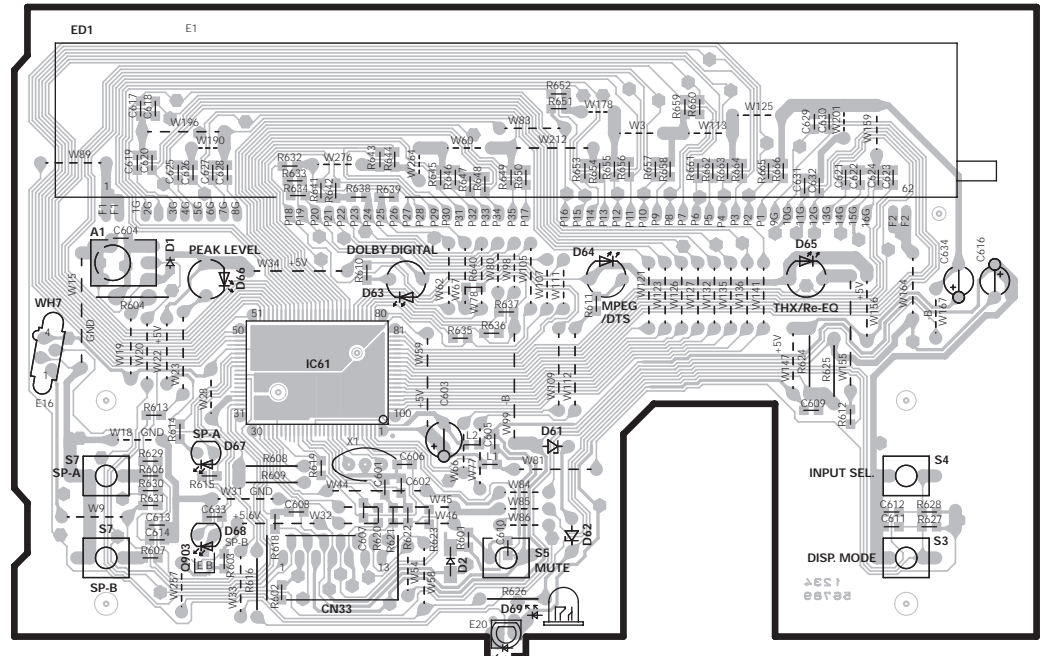
X25 D/7



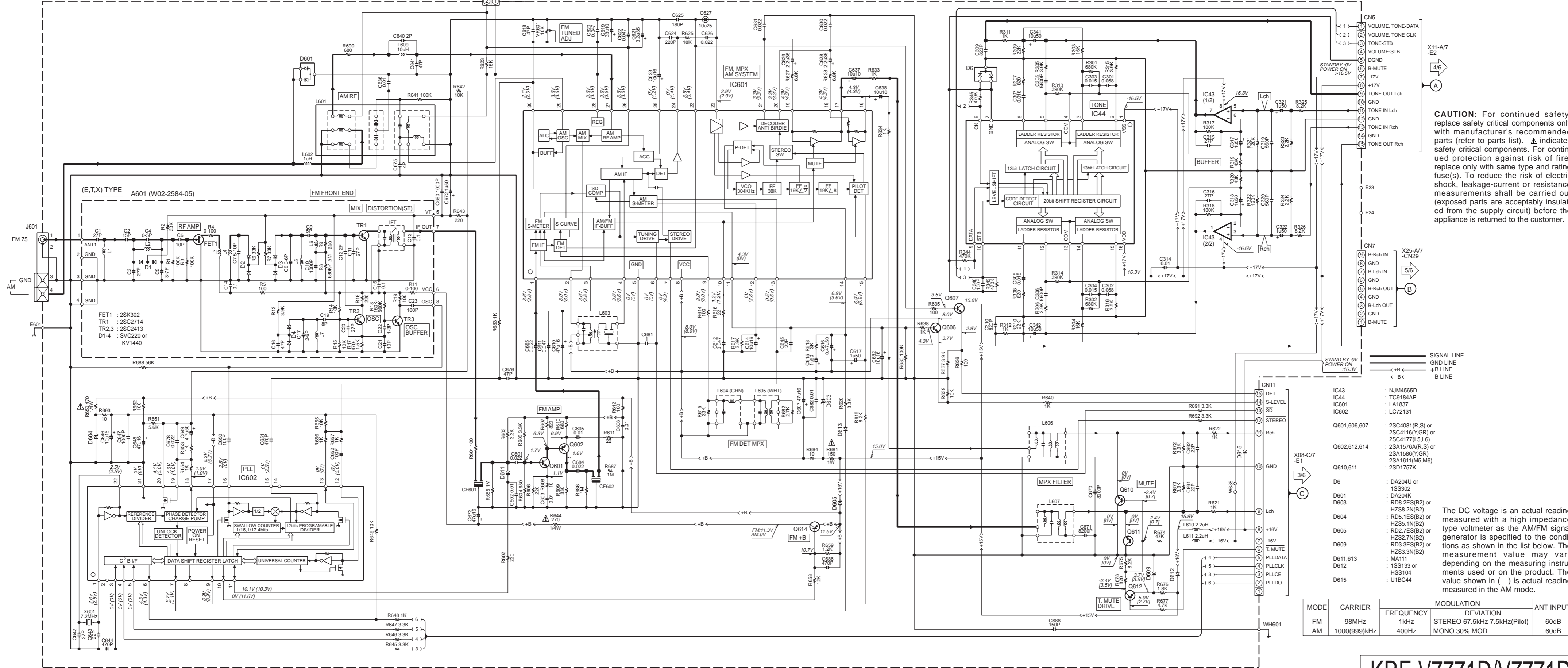
X25 E/7



X25 C/7



TUNER UNIT
(X11-3822-70) (C/7)



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). 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.

- IC43 : NJM4565D
 IC44 : TC9184P
 IC601 : LA1837
 IC602 : LC72131
- Q601,606,607 : 2SC4081(R,S) or 2SC4116(Y,GR) or 2SC4177(L5,L6)
 Q602,612,614 : 2SA1576A(R,S) or 2SA1586(Y,GR) 2SA1611(M5,M6) : 2SD1757K
 Q610,611 : 2SC4081(R,S) or 2SC4116(Y,GR) or 2SC4177(L5,L6)
 D6 : DA204U or 1SS302
 D601 : DA204K
 D603 : RD8.2ES(B2) or HZS8.2N(B2)
 D604 : RD5.1ES(B2) or HZS5.1N(B2)
 D605 : RD2.7ES(B2) or HZS2.7N(B2)
 D609 : RD3.3ES(B2) or HZS3.3N(B2)
 D611,613 : MA111
 D612 : 1SS133 or HSS104
 D615 : U1BC44

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1KHz	STEREO 67.5kHz 7.5kHz(Pilot)	60dB
AM	1000(999)KHz	400Hz	MONO 30% MOD	60dB

KRF-V7771D(E,T) (1/6)
KRF-V7771DE(E2) (1/6)

Y05-3862-70

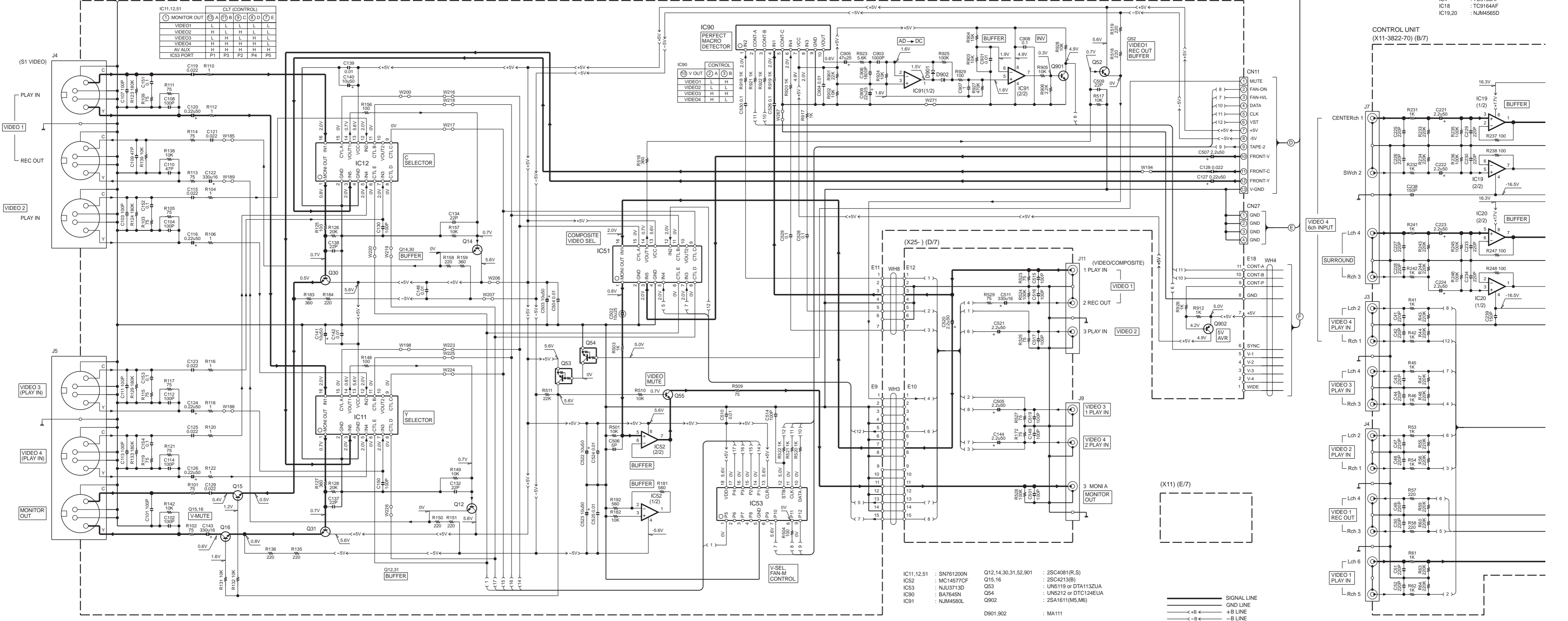


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, 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.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

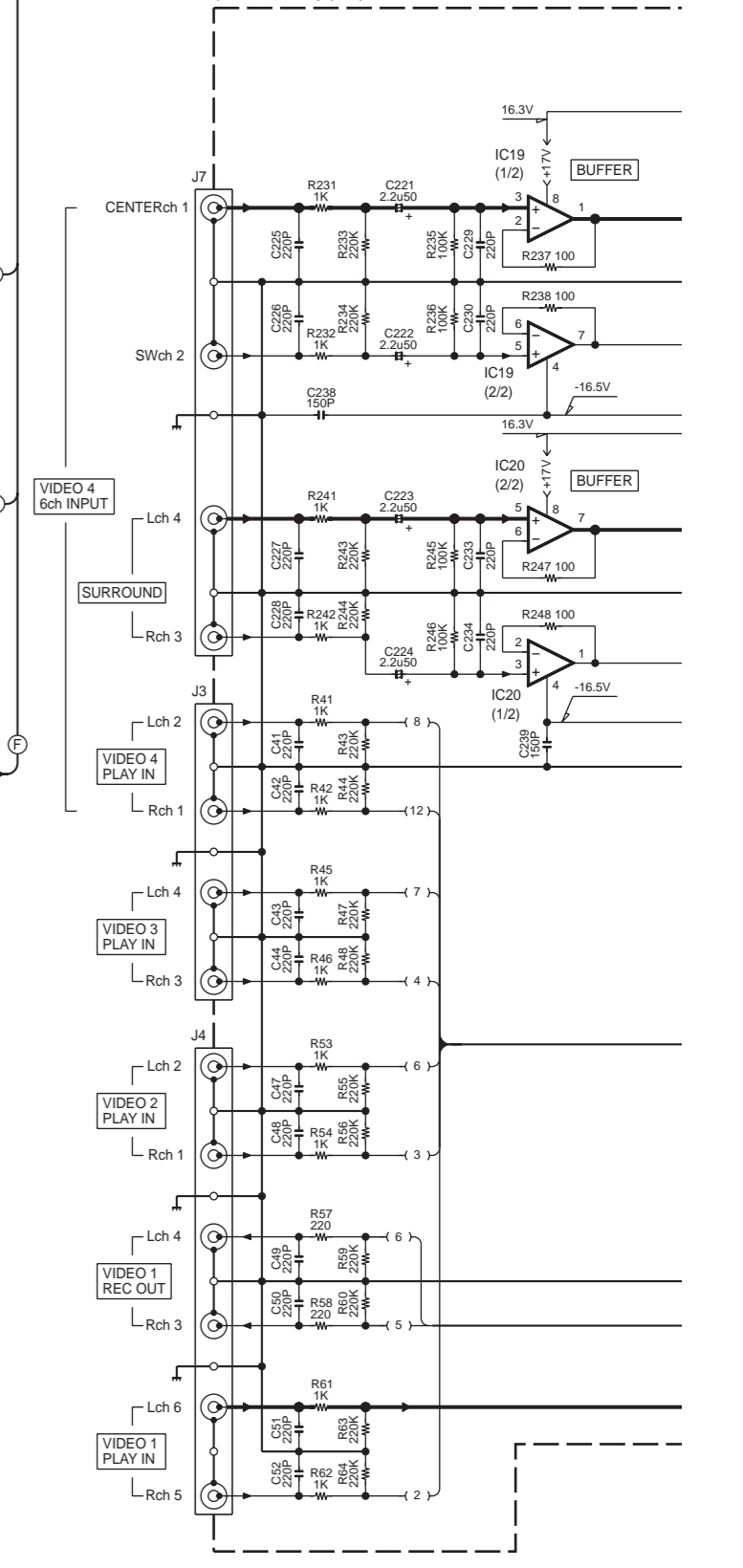
**ELECTRIC UNIT
(X25-6202-70) (B/7)**

IC11,12,51	CLT (CONTROL)				
	①	②	③	④	⑤
MONITOR OUT	A	B	C	D	E
VIDEO1	L	L	L	L	L
VIDEO2	H	L	H	L	L
VIDEO3	L	H	L	H	L
VIDEO4	H	H	H	H	L
AV AUX	H	H	H	H	H
IC53 PORT	P1	P3	P2	P4	P5

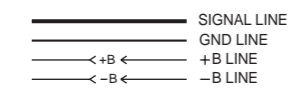


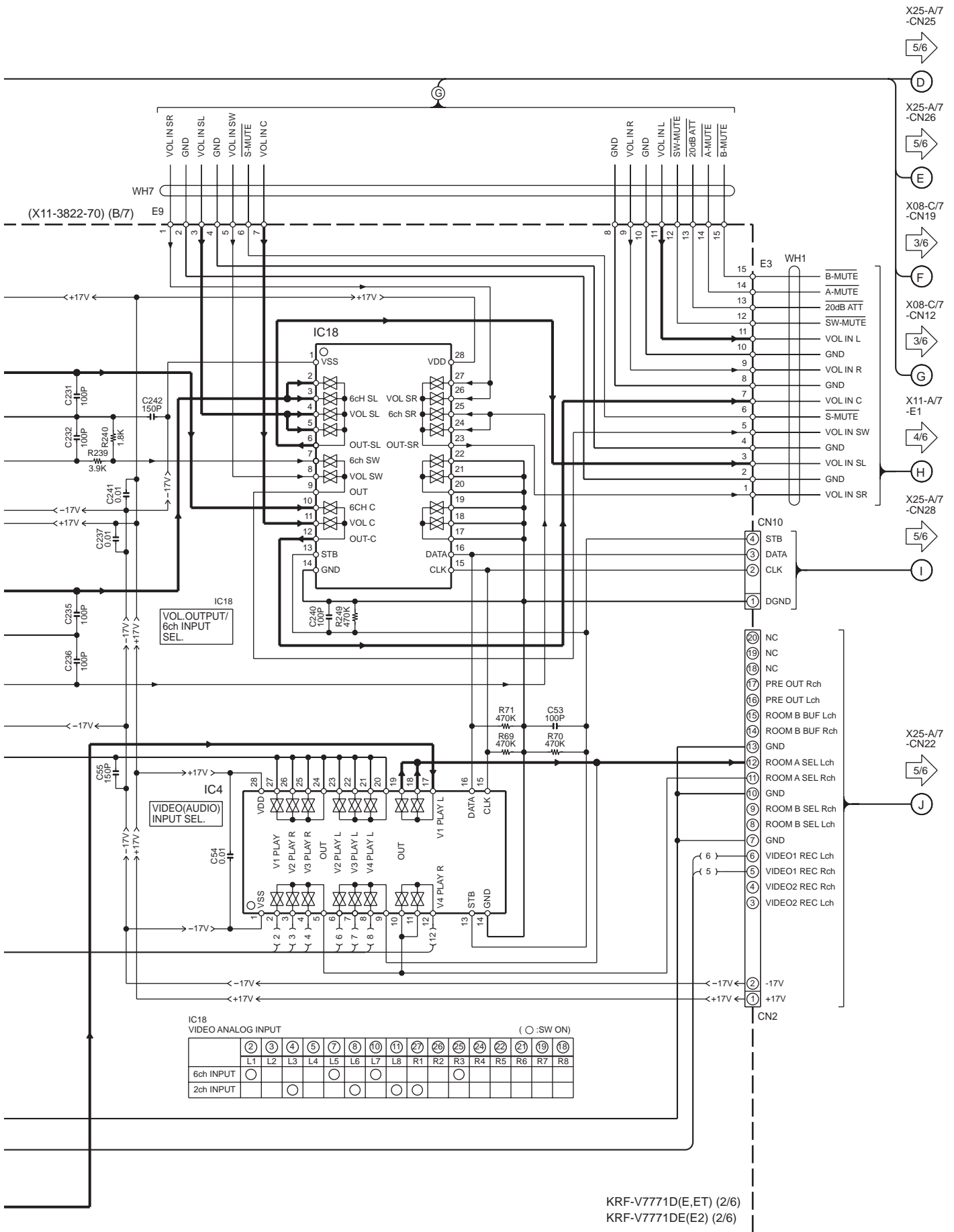
**CONTROL UNIT
(X11-3822-70) (B/7)**

IC4	: TC9163AF
IC18	: TC9164AF
IC19,20	: NJM4565D



- IC11,12,51 : SN761200N
- IC52 : MC14577CF
- IC53 : NJU3713D
- IC90 : BA7645N
- IC91 : NJM4580L
- Q12,14,30,31,52,901 : 2SC4081(R,S)
- Q15,16 : 2SC4213(B)
- Q53 : UN5119 or DTA113ZUA
- Q54 : UN5212 or DTC124EUA
- Q902 : 2SA1611(M5,M6)
- D901,902 : MA111





X25-A/7 -CN25

5/6

X25-A/7 -CN26

5/6

X08-C/7 -CN19

3/6

X08-C/7 -CN12

3/6

X11-A/7 -E1

4/6

X25-A/7 -CN28

5/6

X25-A/7 -CN22

5/6

X25-A/7 -CN22

5/6

X25-A/7 -CN22

5/6

X25-A/7 -CN22

5/6

X25-A/7 -CN22

5/6

X25-A/7 -CN22

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X25-A/7 -CN22

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X25-A/7 -CN22

5/6

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X25-A/7 -CN22

5/6

X25-A/7 -CN22

5/6

X25-A/7 -CN22

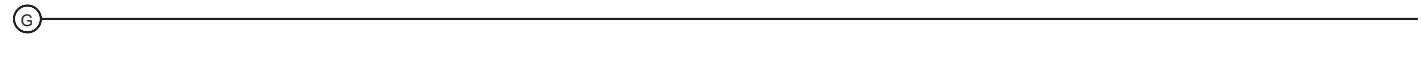
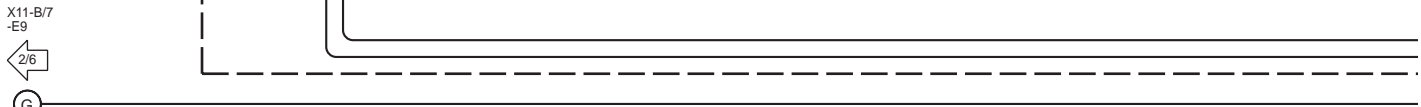
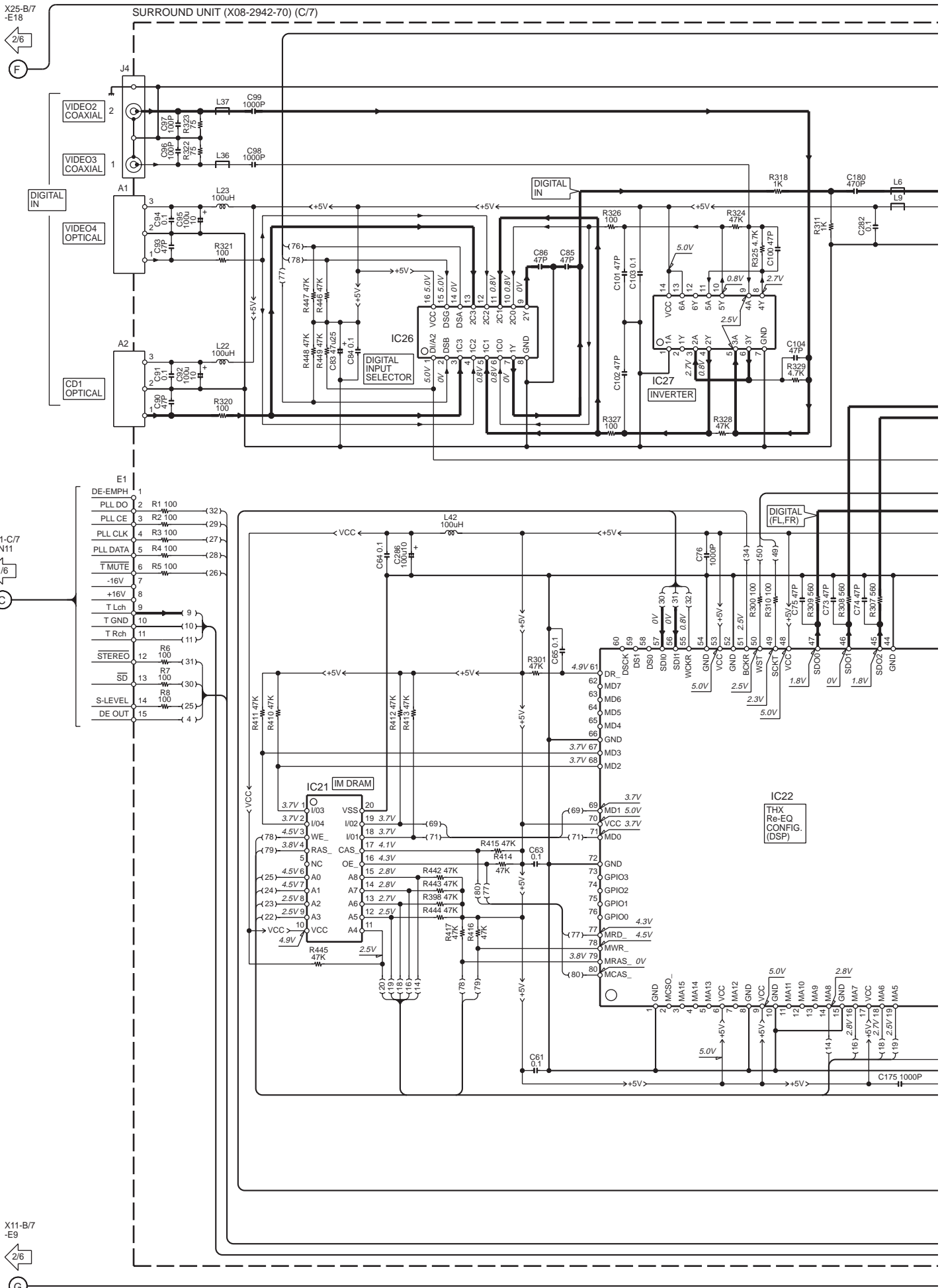
5/6

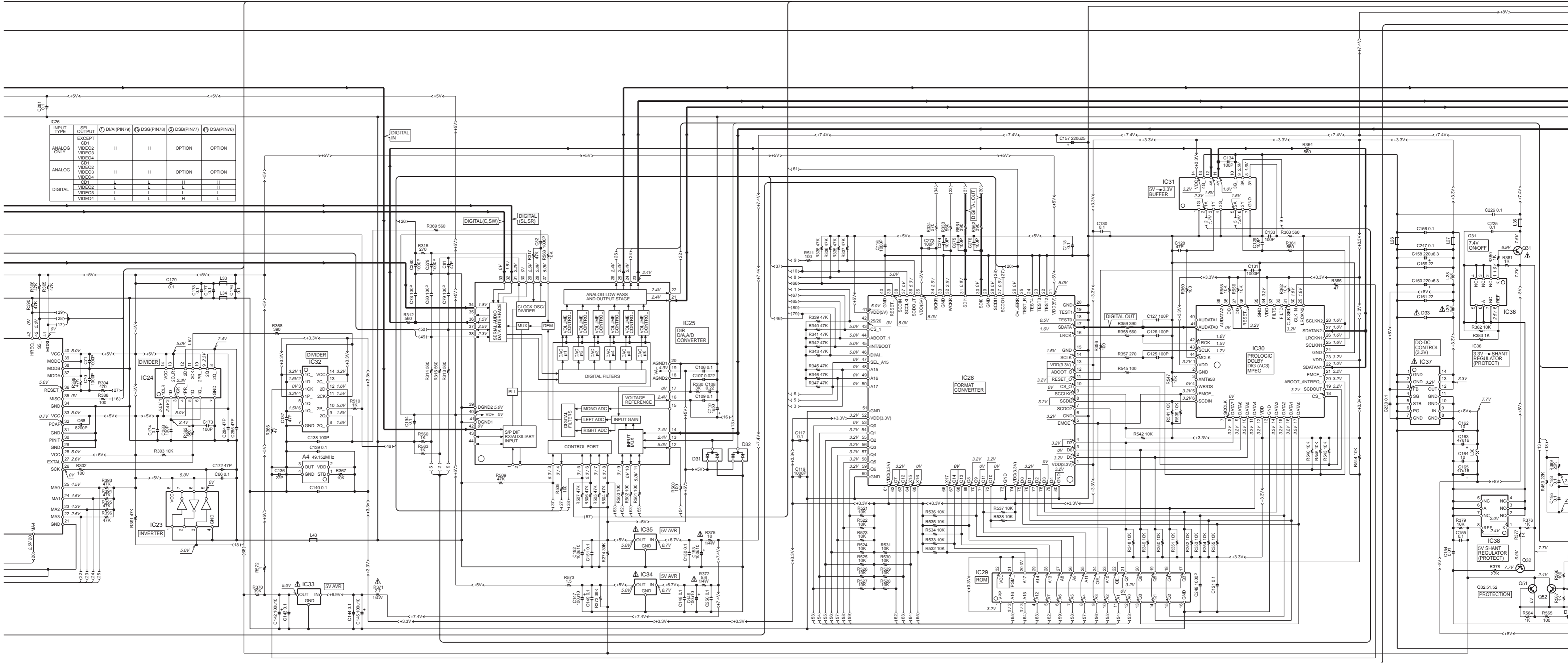
KRF-V7771D(E,ET) (2/6)
KRF-V7771DE(E2) (2/6)

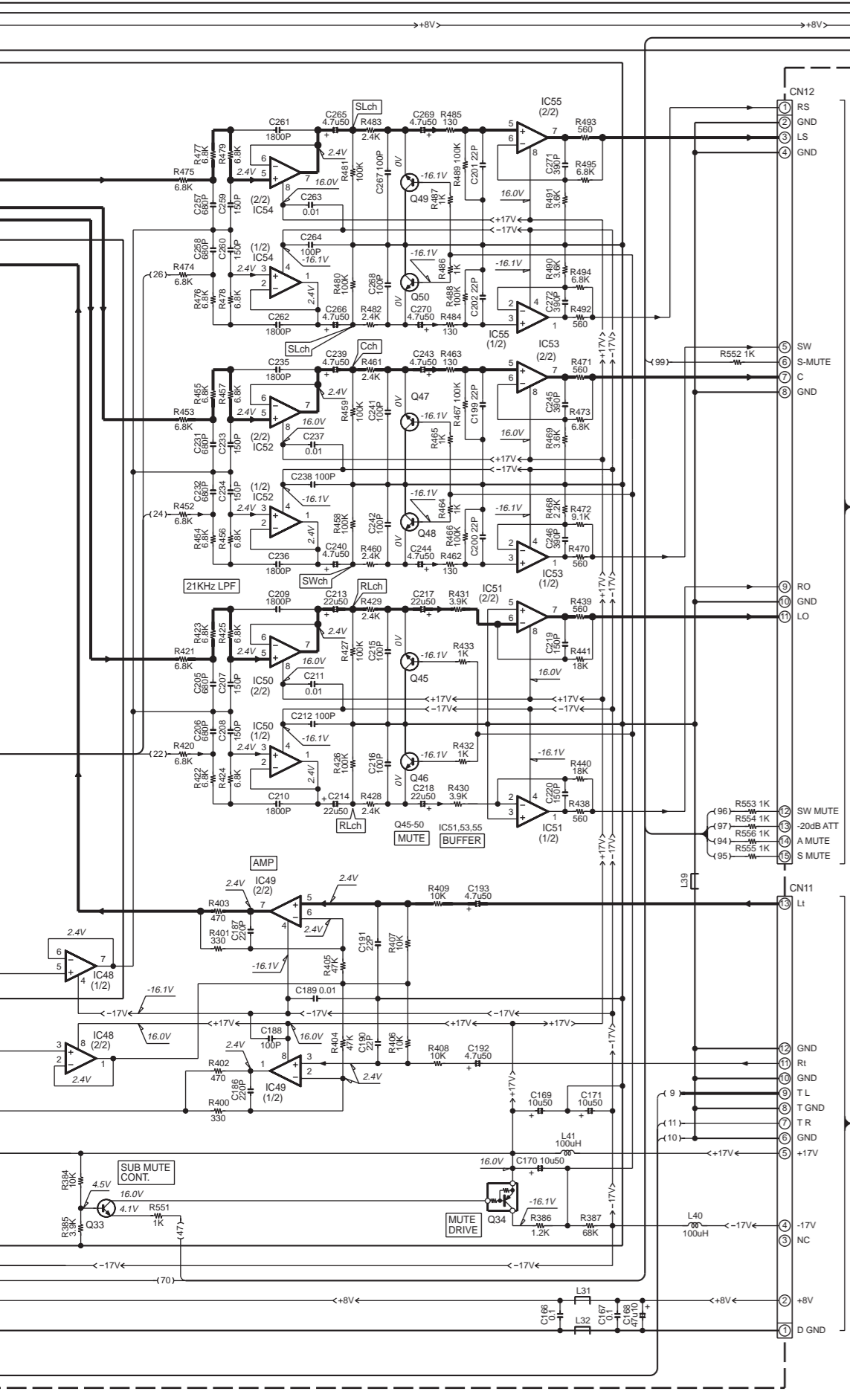
KRF-V7771D/V7771DE

Y05-3862-70

KENWOOD



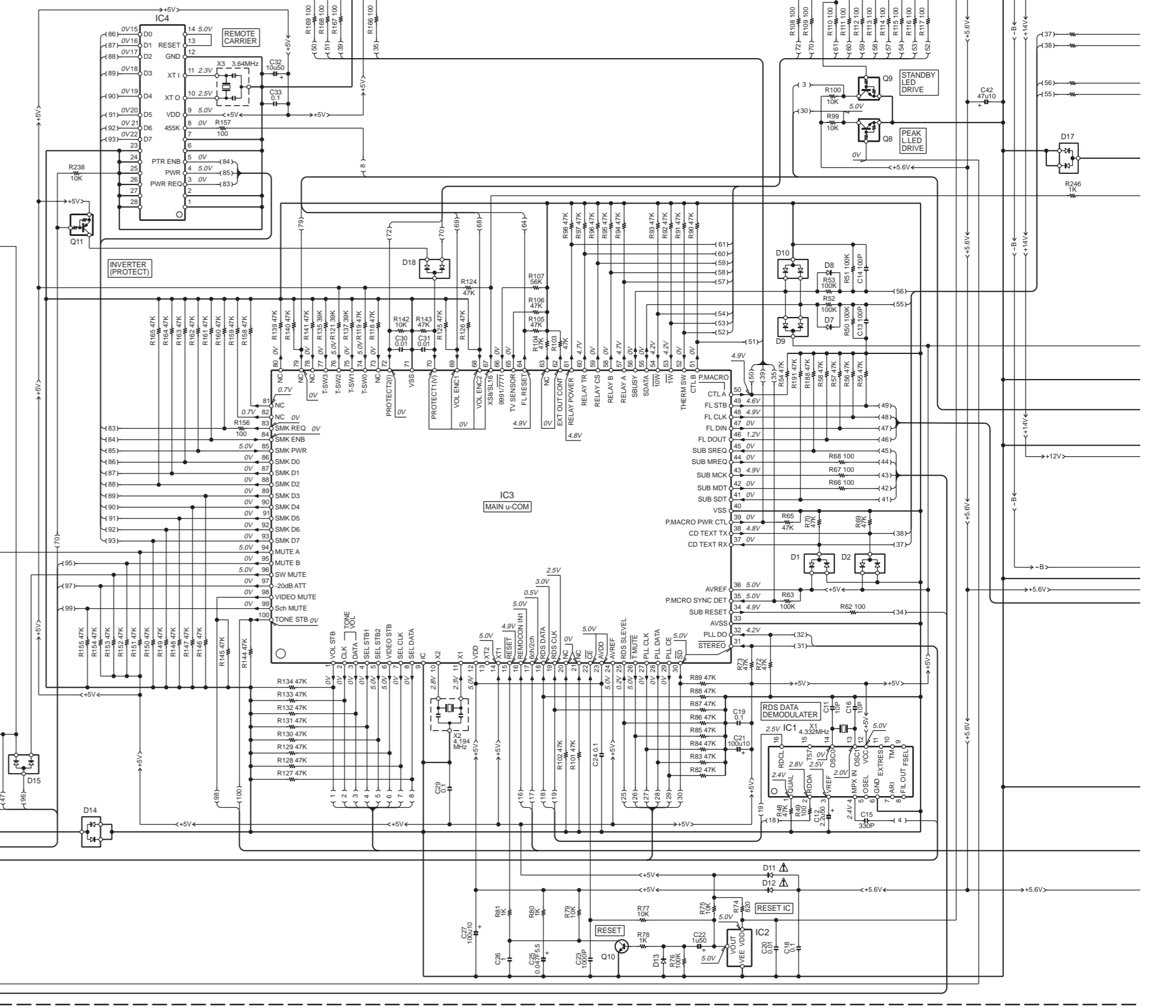
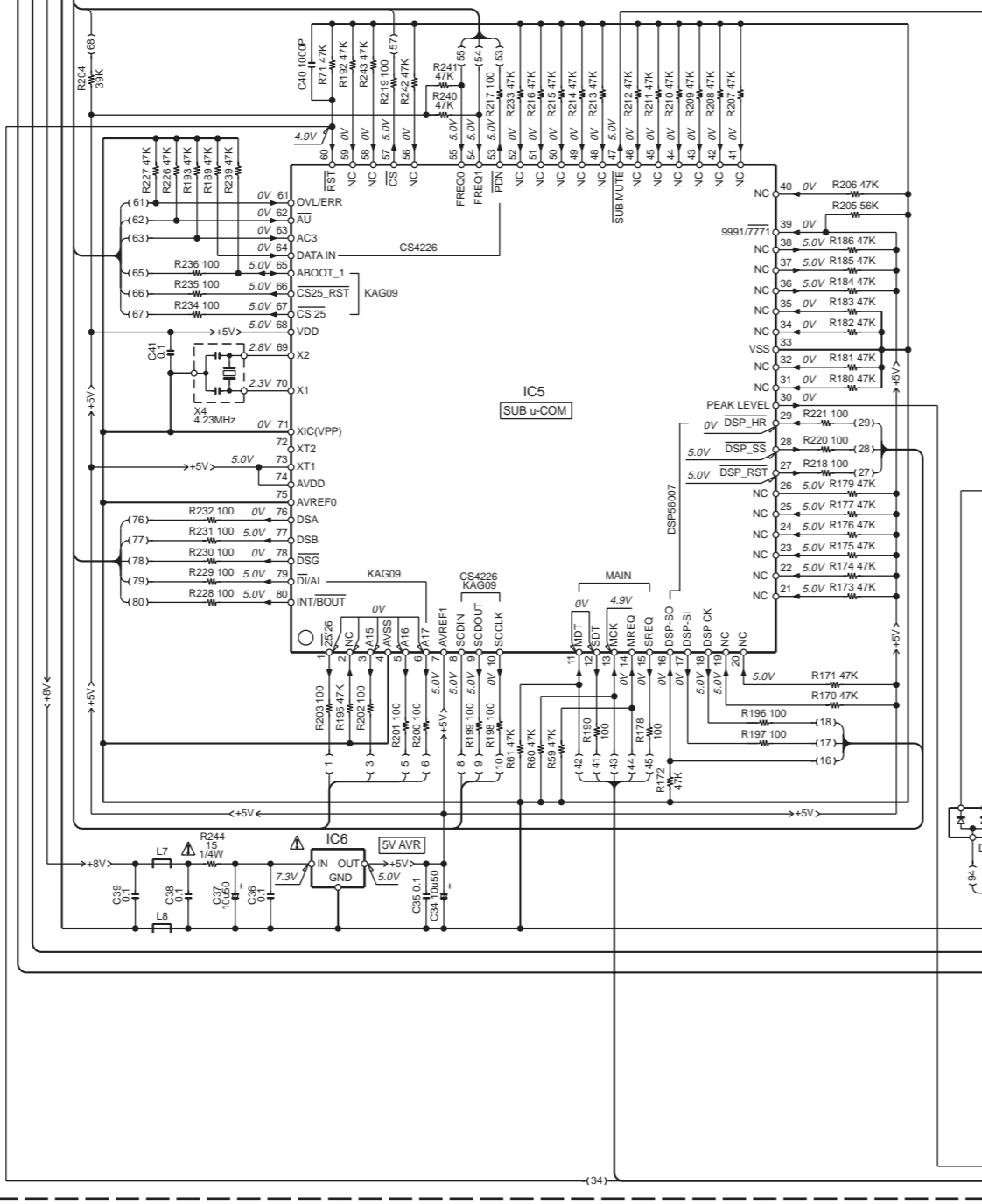


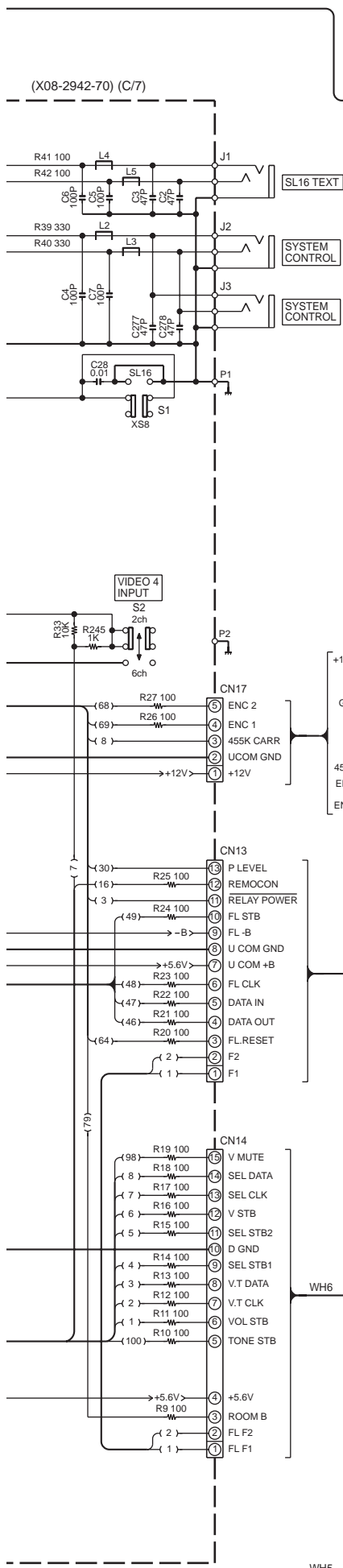


CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, 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.

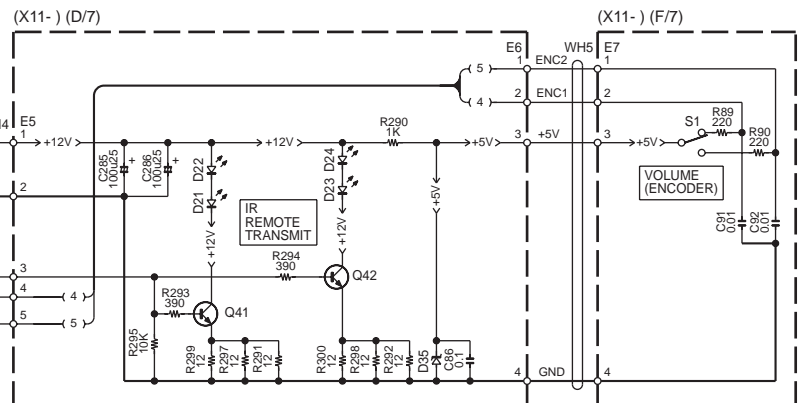
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

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- (X08-2942-70) (C/7)
- X07-A/8 -E10 → (K)
- UN5119
2SA1586
2SC4116
- DTC124ESA
2SA1048
2SC2458
- 2SA1123
2SA992
2SC1845
2SC2003
2SC2631
2SC3244
2SC3940A
- 2SA1535
2SB1370
2SC3944
2SD2061
- (X08-2942-70) (C/7)
- | | |
|------------------------|--------------------------|
| IC1 : TDA7479D | Q8,9 : UN5212 |
| IC2 : S-806D-Z | Q10 : 2SC4081(R,S) |
| IC3 : uPD78078GF-086 | Q11 : UN5119 |
| IC4 : uPD17215GT-737 | Q31 : 2SB1424(Q,R) |
| IC5 : uPD78056GC-A23 | Q32 : 2SA1576A(R,S) |
| IC6 : TA7805S | Q33,51,52 : 2SC4081(R,S) |
| IC21 : LH64256CK-70 | Q34 : UN5119 |
| IC22 : DSPB56007FJ88 | Q45-50 : 2SC4213(B) |
| IC23 : TC7W04FU | |
| IC24 : TC74VHC74AFT | D1,2,14,17 : DA204U |
| IC25 : CS4226KQG | D7,8,13 : MA111 |
| IC26 : TC74VHC153FT | D9,18 : DAN202U |
| IC27 : TC74VHC04FT | D10,15,16 : DAP202U |
| IC28 : KAG09 | D11,12 : U1BC44 |
| IC29 : MX27L2000MC-20 | D31,32 : DA204U |
| IC30 : CS492501-CLB | |
| IC31 : TC74VHC125FT | A1,2 : W02-1181-05 |
| IC32 : TC74VHC74FT | A4 : W02-2671-05 |
| IC33-35 : LM2940CT-5.0 | |
| IC36,38 : TL431CPS | |
| IC37 : LM2574M-3.3 | |
| IC48-55 : NJM4565M | |
- UN4212
UN4219
2SA1309A
2SC3311A
- 2SB1375
2SD2012
- Legend:
 ——— SIGNAL LINE
 ——— GND LINE
 ——— +B LINE
 ——— -B LINE



- (X11-) (D/7)
- X25-C/7 -CN33 → (L)
- (X11-) (F/7)
- (X11-) (D/7)
- Q41,42 : 2SC3940A(R,S)
- D21-24 : B30-2532-05
- D35 : HZS5.1N(B2) or RD5.1ES(B2)
- 2SC4081
2SD1757K
- NJM4558D
NJM4565D
- NJM2058D
- TC9184AP
- TC9413P
- NJU3713D
- SN761200N
- NJM4580L
- MC14577CF
NJM4565M
NJM4580ED
TC7W04FU
- LM2940CT-5.0
- X25-A/7 -E5 → (M)
- X25-A/7 -E2 → (N)
- Legend:
 ——— SIGNAL LINE
 ——— GND LINE
 ——— +B LINE
 ——— -B LINE

KRF-V7771D(E,T) (3/6)
KRF-V7771DE(E2) (3/6)

Y05-3862-70

KRF-V7771D/V7771DE

KENWOOD

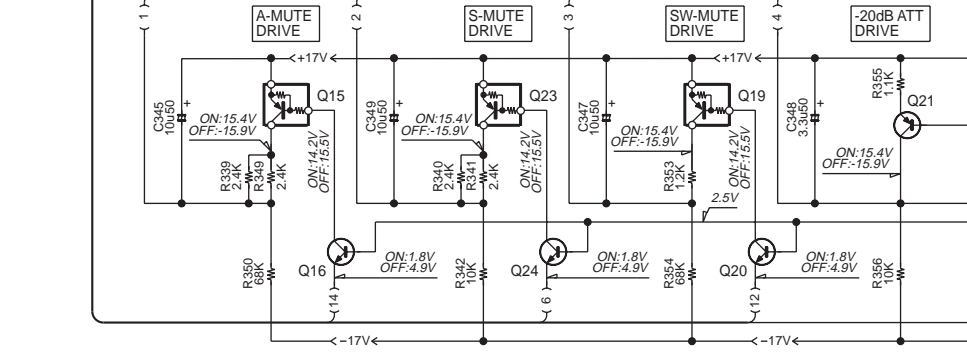
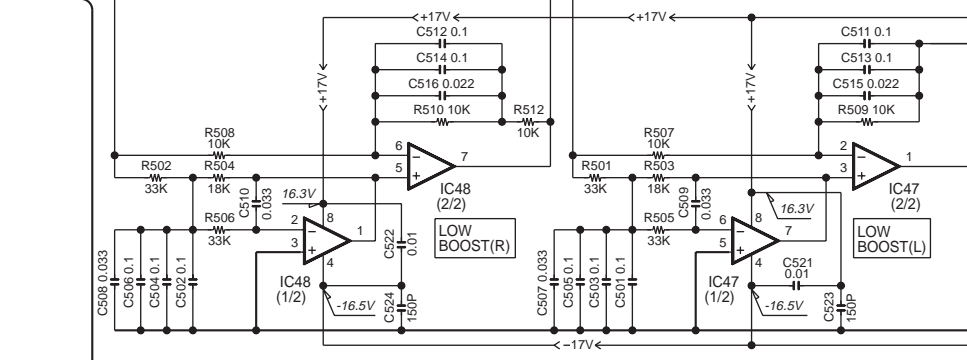
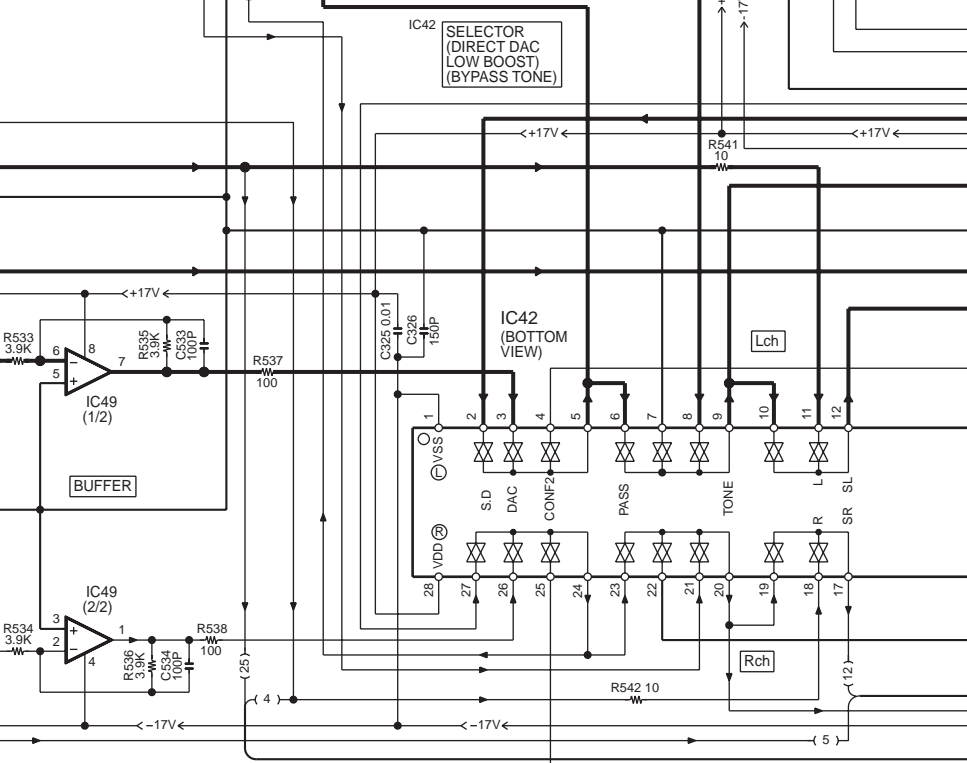
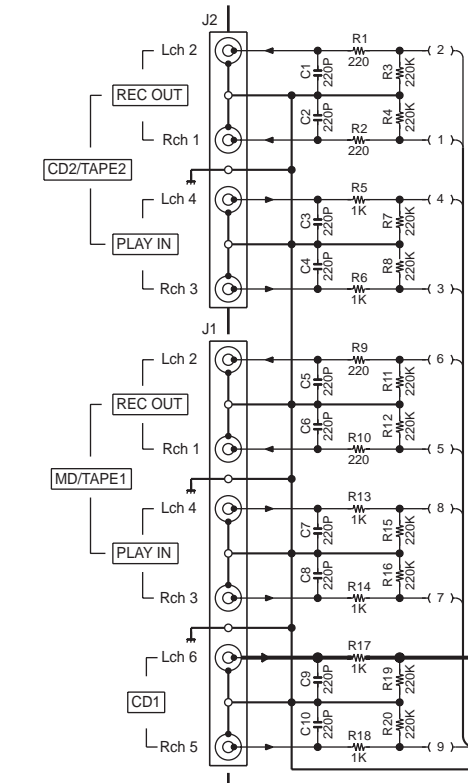
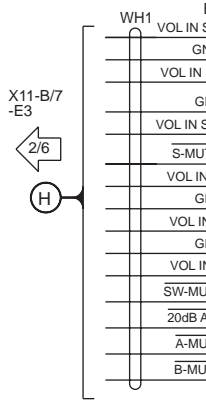
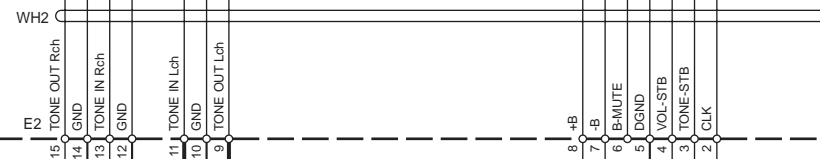
CONTROL UNIT
(X11-3822-70) (A/7)

X11-C/7
-CN5

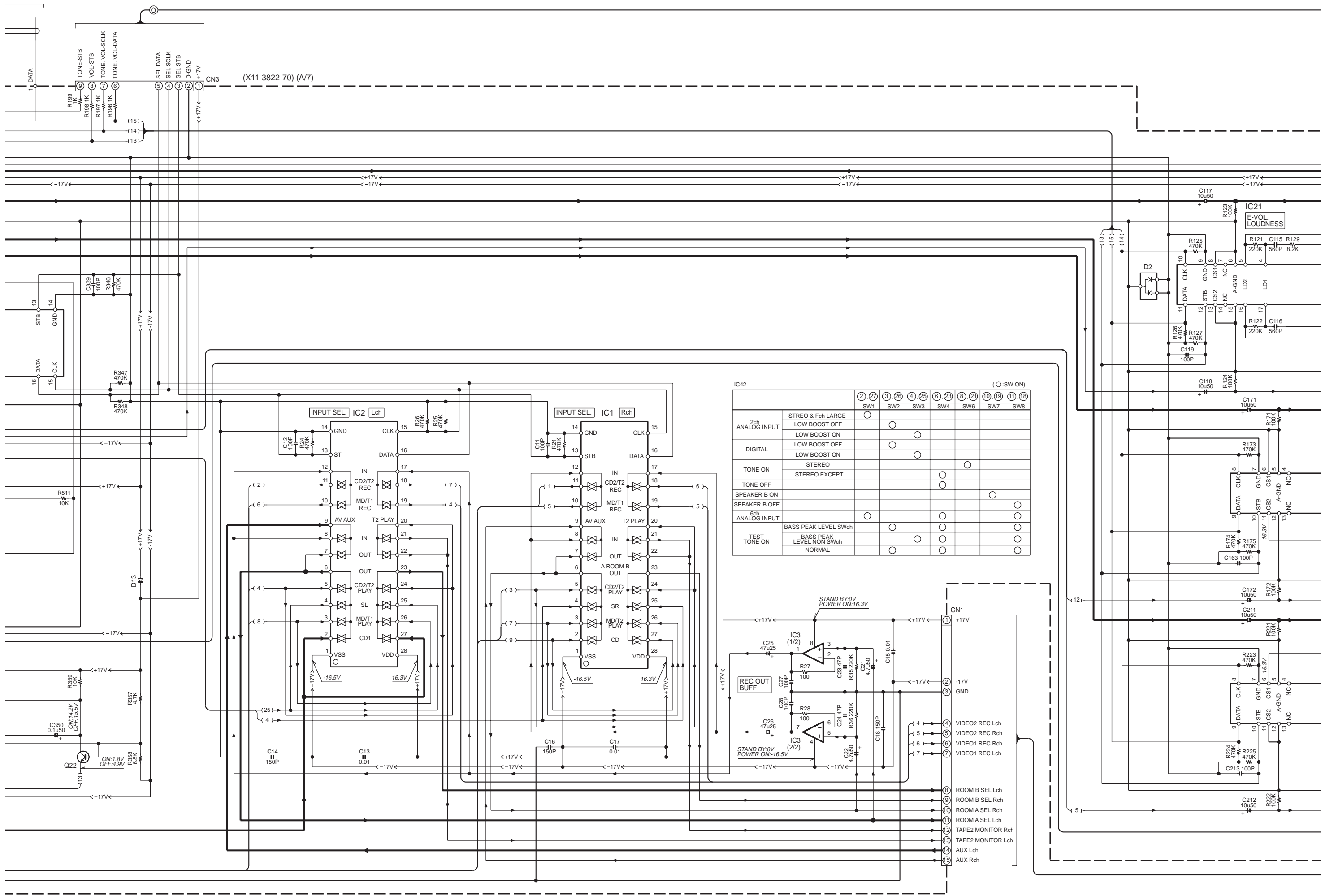
(A)

X11-B/7
-E3

(H)



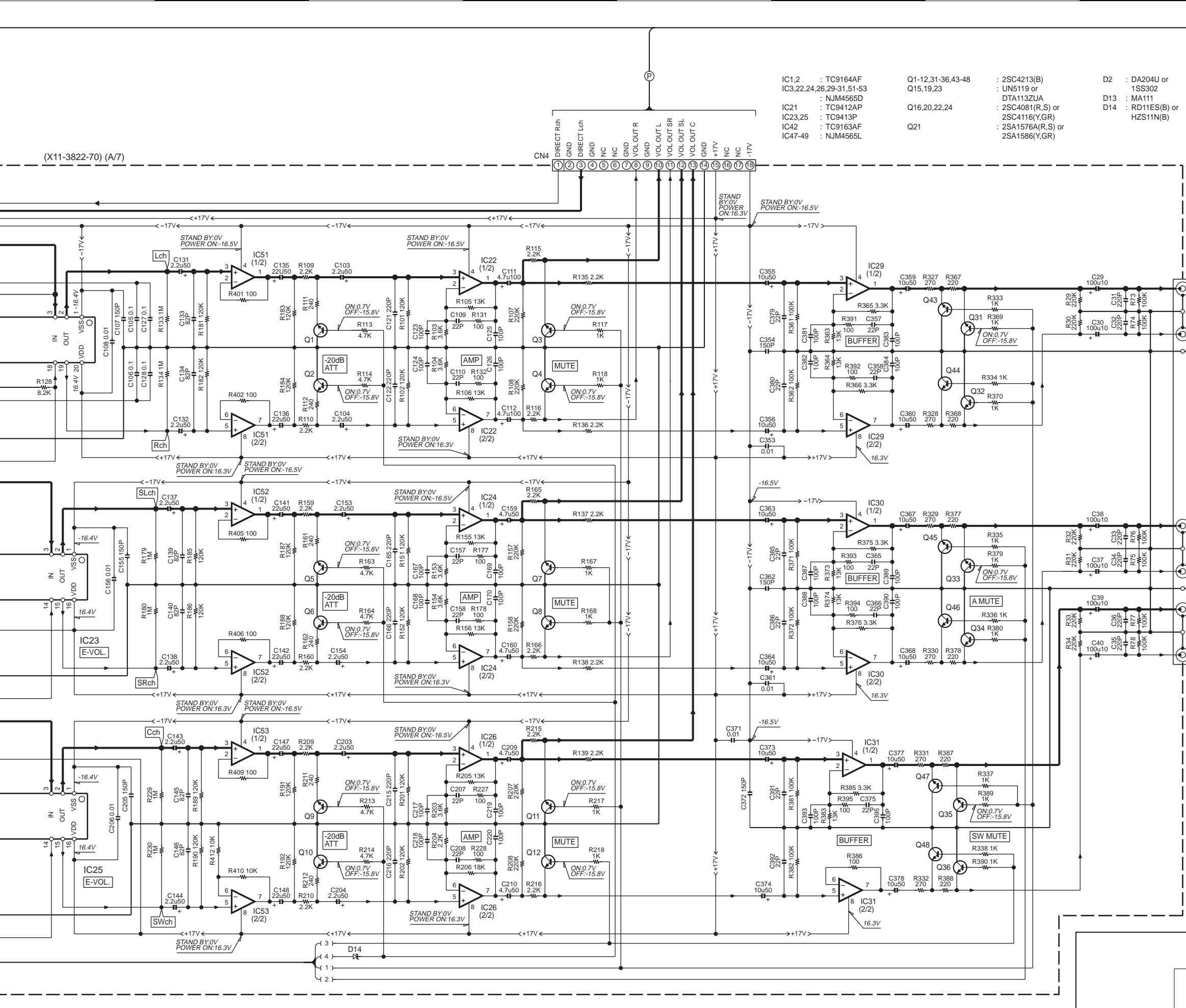
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7



IC42 (O:SW ON)

	(2)	(27)	(3)	(26)	(6)	(23)	(8)	(21)	(10)	(19)	(11)	(18)
2ch ANALOG INPUT	STREO & Fch LARGE	○	SW1	SW2	SW3	SW4	SW6	SW7	SW8			
	LOW BOOST OFF											
	LOW BOOST ON											
DIGITAL	LOW BOOST OFF											
	LOW BOOST ON											
TONE ON	STEREO											
	STEREO EXCEPT											
TONE OFF												
SPEAKER B ON												
SPEAKER B OFF												
8ch ANALOG INPUT	BASS PEAK LEVEL SWch											
	BASS PEAK LEVEL NON SWch											
TEST TONE ON	NORMAL											

- Connector Pin List:
- 1: DATA
 - 2: VIDEO2 REC Lch
 - 3: VIDEO2 REC Rch
 - 4: VIDEO1 REC Rch
 - 5: VIDEO1 REC Lch
 - 6: ROOM B SEL Lch
 - 7: ROOM B SEL Rch
 - 8: ROOM A SEL Rch
 - 9: ROOM A SEL Lch
 - 10: TAPE2 MONITOR Rch
 - 11: TAPE2 MONITOR Lch
 - 12: AUX Lch
 - 13: AUX Rch



IC1,2	: TC9164AF	Q1-12,31-36,43-48	: 2SC4213(B)	D2	: DA204U or 1SS302
IC3,22,24,26,29-31,51-53	: NJM4565L	Q15,19,23	: UN5119 or DTA113ZUA	D13	: MA111
IC21	: TC9412AP	Q16,20,22,24	: 2SC4081(R,S) or 2SC4116(Y,GR)	D14	: RD11ES(B) or HZS11N(B)
IC23,25	: TC9413P	Q21	: 2SA1576A(R,S) or 2SA1586(Y,GR)		
IC42	: TC9163AF				
IC47-49	: NJM4565L				

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). 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.

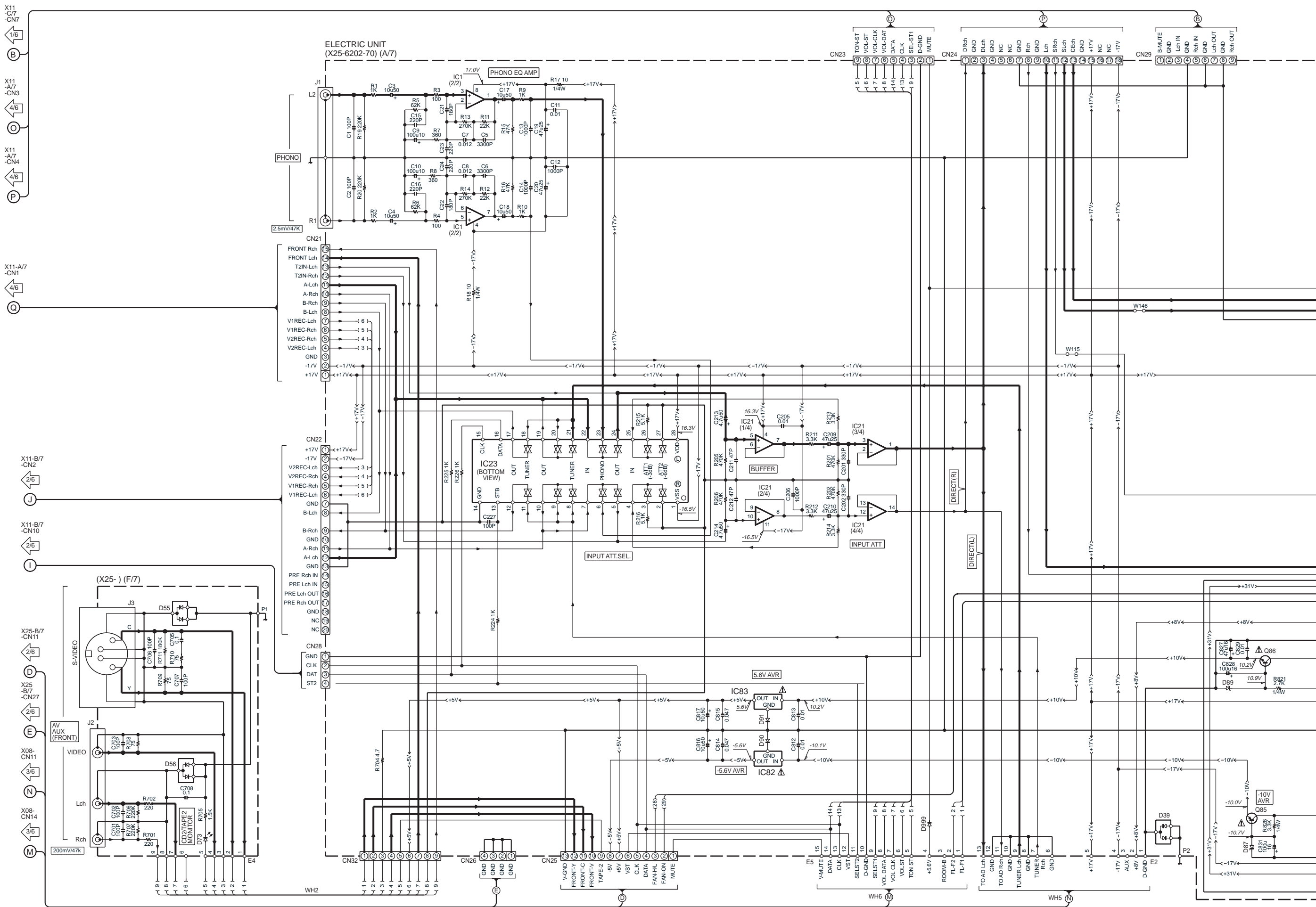
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

- DAN202U
- UPC7805AHF
- DAP202U
- DA204K
- DA204U
- UN5212
- SI-3082V
- TC9162AF
- TC9163AF
- TC9164AF
- TC9412AP
- LC72131
- UPC7905AHF
- TA7805S
- TA79005S
- DSPB56007FJ88
- KRF-V7771D(E,T) (4/6)
- KRF-V7771DE(E2) (4/6)

KRF-V7771D/N7771DE

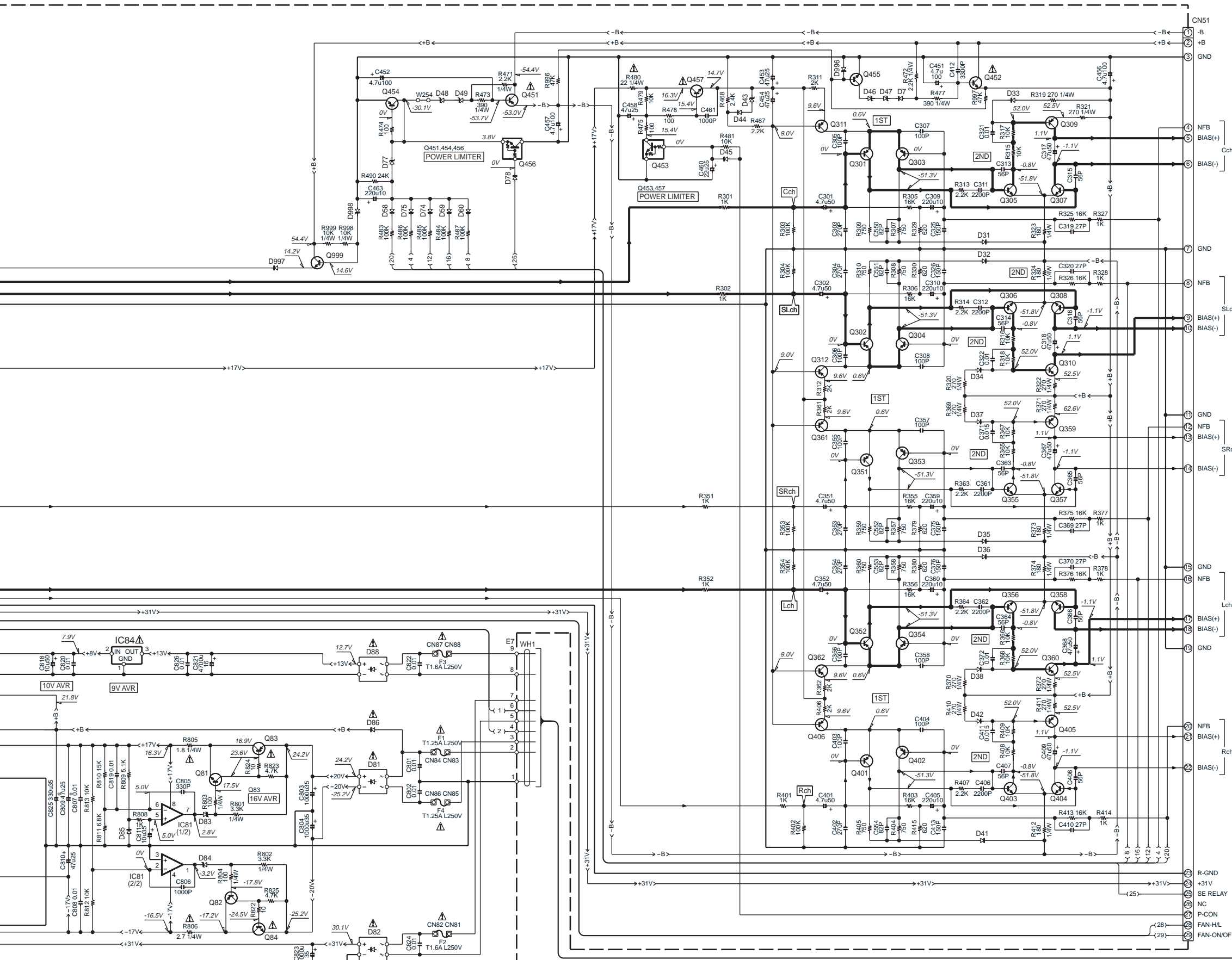
Y05-3862-70

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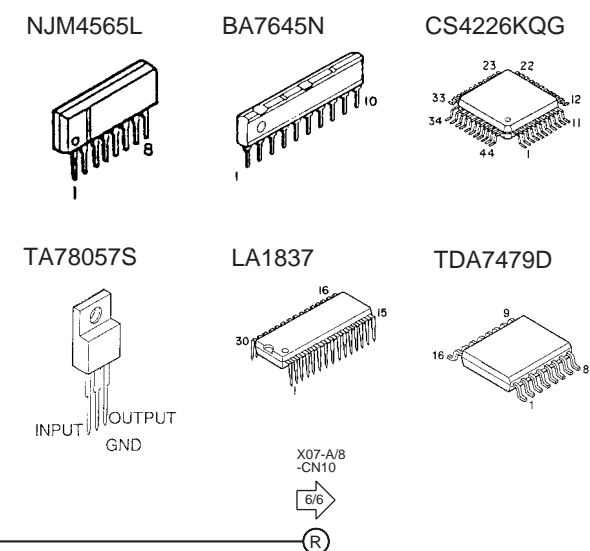
- X11 -C/7 -CN7
- X11 -A/7 -CN3
- X11 -A/7 -CN4
- X11-A/7 -CN1
- X11-B/7 -CN2
- X11-B/7 -CN10
- X25-B/7 -CN11
- X25 -B/7 -CN27
- X08-CN11
- X08-CN14

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CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). 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.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.



IC1	: NJM4580ED
IC23	: NJM2058D
IC23	: TC9162AF
IC81	: NJM4558D
IC82	: TA79005S or UPC7905AHF
IC83	: TA7805S or UPC7805AHF
IC84	: SI-3082V
Q81	: 2SC2458(Y,GR) or 2SC3311A(Q,R)
Q82	: 2SA1048(Y,GR) or 2SA1309A(Q,R)
Q83,85	: 2SB1370(E,F) or 2SB1375
Q84,86	: 2SD2061(E,F) or 2SD2012
Q301-304,351-354,401,402,	: 2SA992(F,E)
Q305-308,355-358,403,404	: 2SC2631(R,S)
Q309,310,359,360,405	: 2SA1123(R,S)
D311,312,361,362,406	: 2SA1588(V,GR)
Q451	: 2SA1535(R,S)
Q452	: 2SC3944(R,S)
Q453,456	: UNS212 or DTC124EUA
Q454	: 2SA1611(M5,M6)
Q455,457	: 2SC4177(L5,L6)
Q999	: 2SC3244
D7,44,45,58-60,74,75,	: MA111
78,90,91,996,999	: 1SS133 or HSS104
D31-38,41,42,997	: DA204K
D39,55,56	: RD5.1JS(B2) or HZS5.1S(B2)
D43,77,85	: RD16S(B2) or HZS16N(B2)
D46	: RD18S(B) or HZS18N(B)
D47	: RD13ES(B2) or HZS13N(B2)
D48	: RD11ES(B) or HZS11N(B)
D73	: B30-2493-05
D81,82	: 1B4B41
D83,84,998	: RD15ES(B) or HZS15N(B)
D86	: S5688B
D87,89	: RD11JS(B) or HZS11N(B)
D88	: D3SBA20F03

KRF-V7771D(E,T) (5/6)
KRF-V7771DE(E2) (5/6)

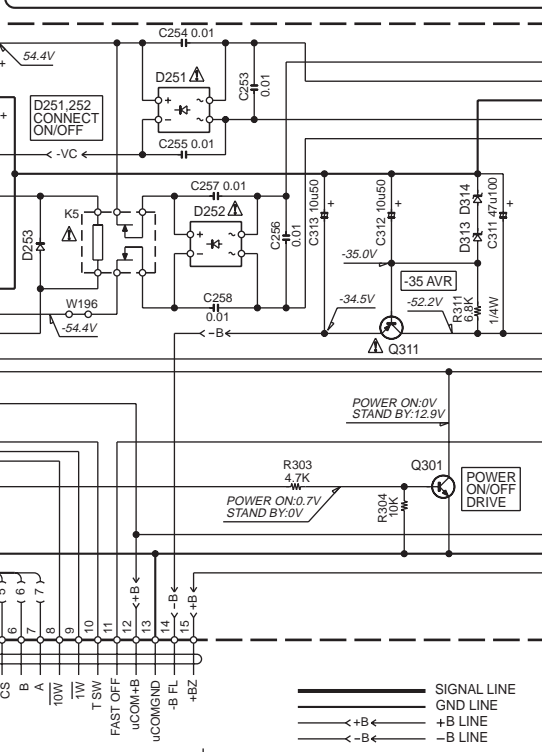
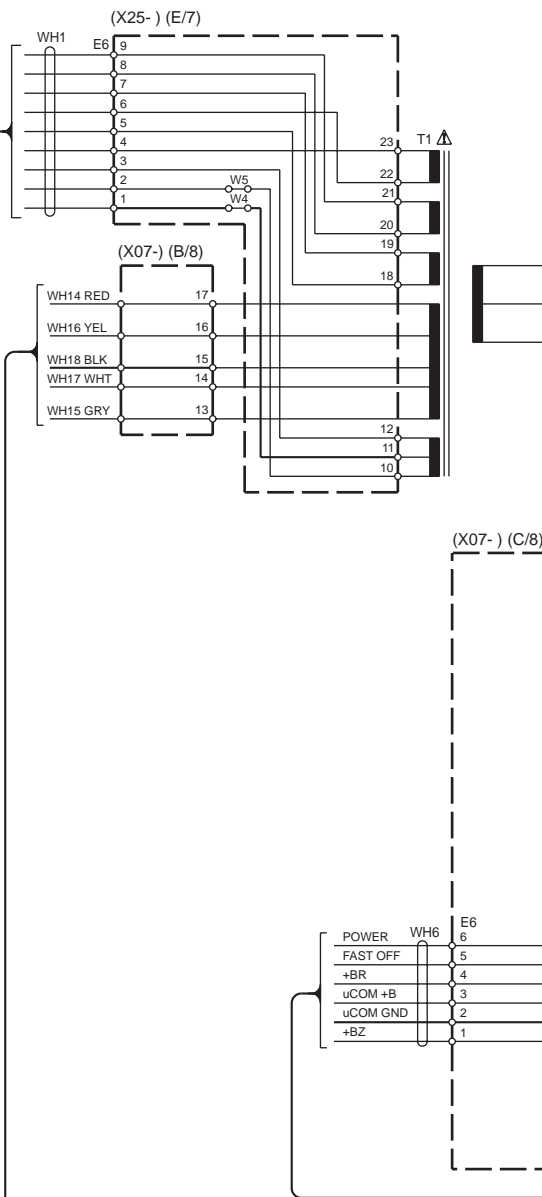
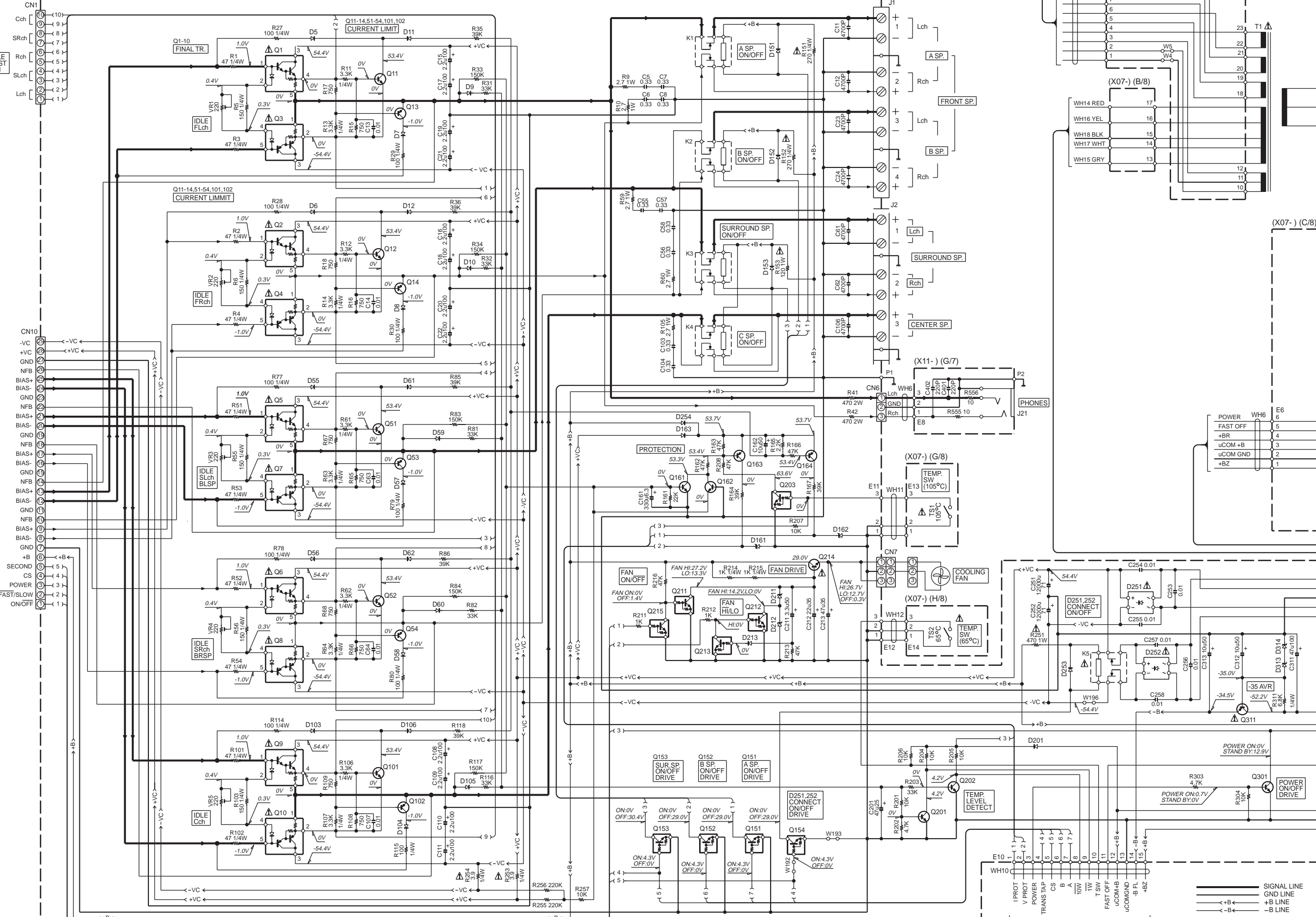
Y05-3862-70

KRF-V7771D/V7771DE

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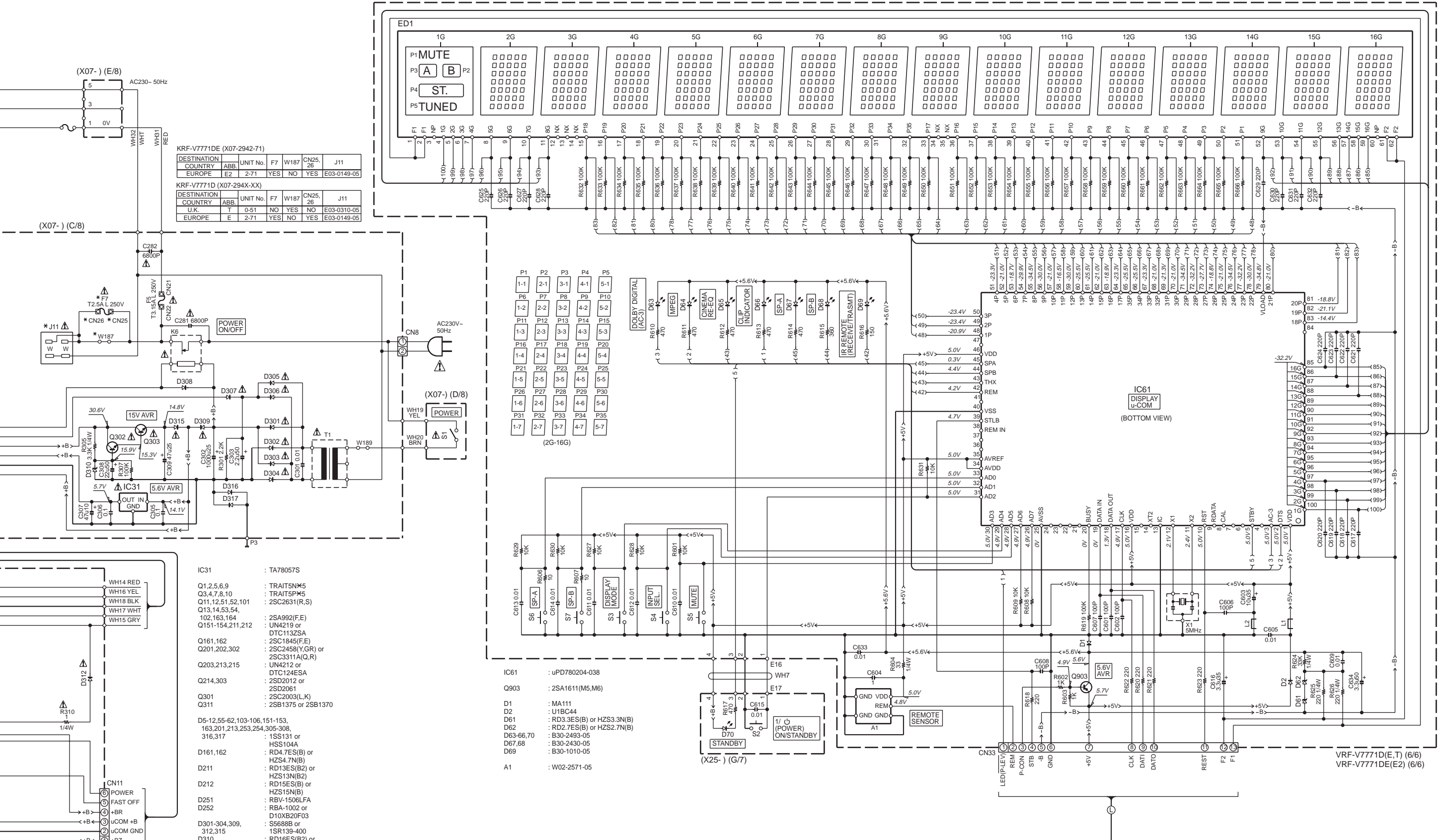
X25 -A/7 -E/7
X25 -A/7 -CN51
X08 -C/7 -CN15
X08 -C/7 -CN13

POWER AMPLIFIER UNIT (X07-294X-XX) (A/8)



SIGNAL LINE
GND LINE
+B LINE
-B LINE

DISPLAY UNIT
(X25-6202-70) (C/7)



KRF-V7771DE (X07-2942-71)

DESTINATION	COUNTRY	ABB	UNIT No.	F7	W187	CN25, 26	J11
EUROPE	E	2-71	YES	NO	YES	E03-0149-05	

KRF-V7771D (X07-294X-XX)

DESTINATION	COUNTRY	ABB	UNIT No.	F7	W187	CN25, 26	J11
U.K.	T	0-51	NO	YES	NO	E03-0310-05	
EUROPE	E	2-71	YES	NO	YES	E03-0149-05	

IC31 : TA78057S

Q1,2,5,6,9 : TRAIT5N*5
Q3,4,7,8,10 : TRAIT5P*5
Q11,12,51,52,101 : 2SC2631(R,S)
Q13,14,53,54,102,163,164 : 2SA992(F,E)
Q151-154,211,212 : UN4219 or DTC113ZSA
Q161,162 : 2SC1845(F,E)
Q201,202,302 : 2SC2458(Y,GR) or 2SC3311(A,Q,R)
Q203,213,215 : UN4212 or DTC124ESA
Q214,303 : 2SD2012 or 2SD2061
Q301 : 2SC2003(L,K)
Q311 : 2SB1375 or 2SB1370

D5-12,55-62,103-106,151-153,163,201,213,253,254,305-308,316,317 : 1SS131 or HSS104A
D161,162 : RD4.7ES(B) or HZS4.7N(B)
D211 : RD13ES(B2) or HZS13N(B2)
D212 : RD15ES(B) or HZS15N(B)
D251 : RBV-1506LFA
D252 : RBA-1002 or D10XB20F03
D301-304,309,312,315 : S5688B or 1SR139-400
D310 : RD16ES(B2) or HZS16N(B2)
D313,314 : RD18ES(B) or HZS18N(B)

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

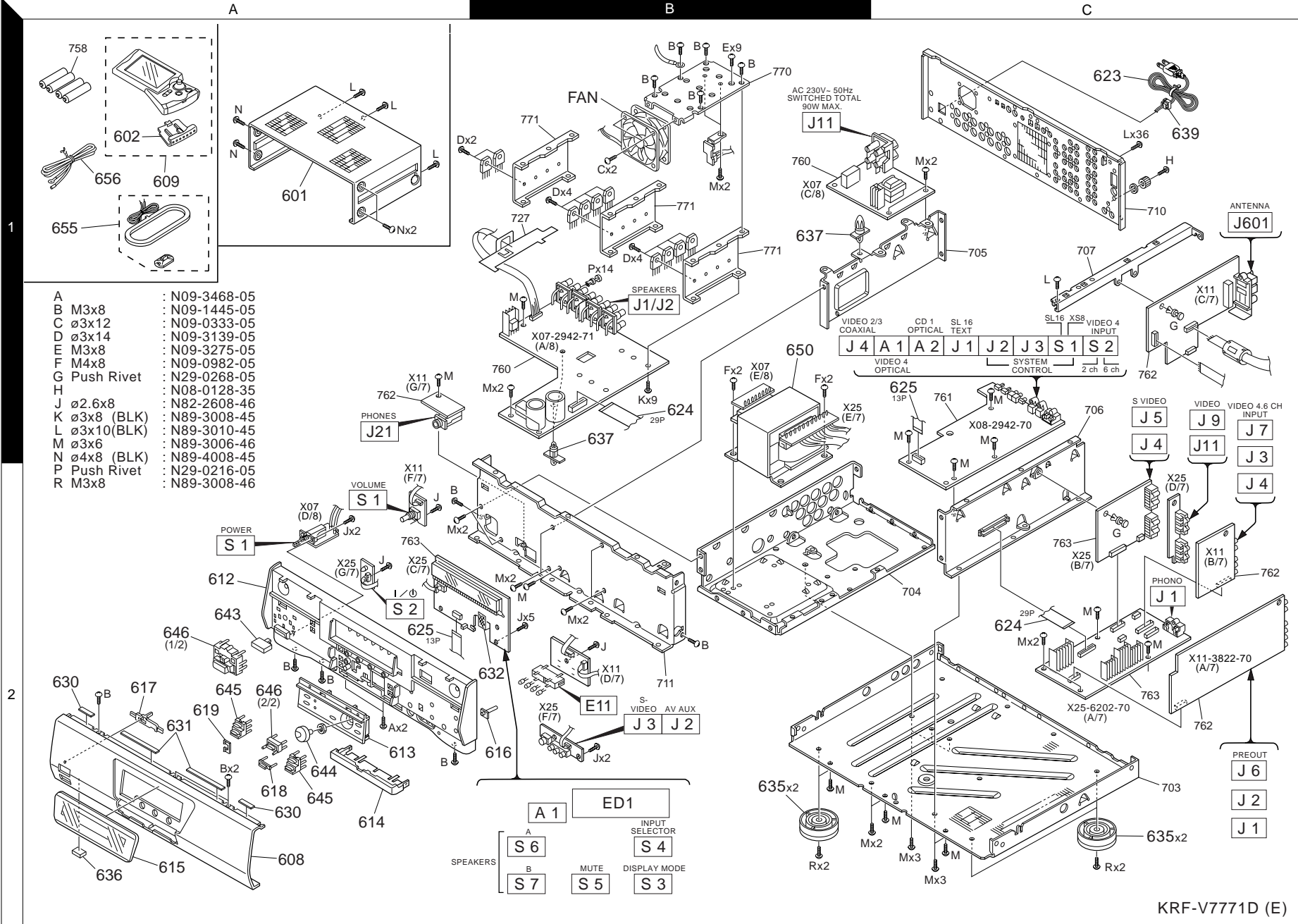
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KRF-V7771D/V7771DE

Y05-3862-70

KENWOOD

Parts with exploded numbers larger than 700 are not supplied.



- A : N09-3468-05
- B M3x8 : N09-1445-05
- C ø3x12 : N09-0333-05
- D ø3x14 : N09-3139-05
- E M3x8 : N09-3275-05
- F M4x8 : N09-0982-05
- G Push Rivet : N29-0268-05
- H : N08-0128-35
- J ø2.6x8 : N82-2608-46
- K ø3x8 (BLK) : N89-3008-45
- L ø3x10(BLK) : N89-3010-45
- M ø3x6 : N89-3006-46
- N ø4x8 (BLK) : N89-4008-45
- P Push Rivet : N29-0216-05
- R M3x8 : N89-3008-46

EXPLODED VIEW (UNIT)

KRF-V7771D/V7771DE

KRF-V7771D (E)

* 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.

15

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C649			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C650			CC73FSL1H101J	CHIP C 100PF J		
C651			CC73FCH1H471J	CHIP C 470PF J		
C652			CC73FSL1H101J	CHIP C 100PF J		
C670, 671			CK73FB1H822K	CHIP C 8200PF K		
C672			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C673			CE04KW1C470M	ELECTRO 47UF 16WV		
C675			CC73FCH1H040C	CHIP C 4.0PF C		
C676			CC73FCH1H470J	CHIP C 47PF J		
C678			CK73FB1H223K	CHIP C 0.022UF K		
C681			CK73FF1C105Z	CHIP C 1.0UF Z		
C682			CK73FB1H103K	CHIP C 0.010UF K		
C684, 685			CK73FB1H223K	CHIP C 0.022UF K		
C686			CK73FB1H471K	CHIP C 470PF K		
C688			CC45FSL1H151J	CERAMIC 150PF J		
C690			CK73FB1H102K	CHIP C 1000PF K		
C691, 692			CC73FSL1H220J	CHIP C 22PF J		
CN1			E40-9831-05	SOCKET FOR PIN ASSY		
CN2			E40-9836-05	SOCKET FOR PIN ASSY		
CN3			E40-9825-05	SOCKET FOR PIN ASSY		
CN4			E40-9834-05	SOCKET FOR PIN ASSY		
CN5			E40-4609-05	PIN ASSY		
CN7			E40-9825-05	SOCKET FOR PIN ASSY		
CN10			E40-9820-05	SOCKET FOR PIN ASSY		
CN11			E40-4609-05	PIN ASSY		
CN12			E40-4871-05	PIN ASSY		
J1	2C		E63-0139-15	PHONO JACK (CD,MD/TAPE)		
J2, 3	1C, 2C		E63-0136-15	PHONO JACK (CD2/TAPE, VD3,4)		
J4	2C		E63-0139-15	PHONO JACK (VIDEO1,2)		
J6	2C		E63-1077-05	PHONO JACK (6-CH PREOUT)		
J7	1C		E63-1008-05	PHONO JACK (SURROUND)		
J21	1A		E11-0271-05	PHONE JACK (HEADPHONE)		
J601	1C		E70-0052-05	LOCK TERMINAL BOARD,ANT		
E11	2B	*	J19-5876-04	LED HOLDER		
E23, 24			J11-0808-05	WIRE CLAMPER		
CF601, 602			L72-0536-05	CERAMIC FILTER		
L601			L39-1366-05	COMBINATION COIL		
L602			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L603			L30-0911-05	AM IFT		
L604			L30-0950-05	FM IFT		
L605			L30-0951-05	FM IFT		
L606, 607			L79-1239-05	LC FILTER		
L609			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
L610, 611			L40-2291-17	SMALL FIXED INDUCTOR(2.2UH)		
X601			L77-2159-05	CRYSTAL RESONATOR(7.2MHZ)		
R1, 2			RK73FB2A221J	CHIP R 220 J 1/10W		
R3, 4			RK73FB2A224J	CHIP R 220K J 1/10W		
R5, 6			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R7, 8			RK73FB2A224J	CHIP R 220K J 1/10W		
R9, 10			RK73FB2A221J	CHIP R 220 J 1/10W		
R11, 12			RK73FB2A224J	CHIP R 220K J 1/10W		
R13, 14			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R15, 16			RK73FB2A224J	CHIP R 220K J 1/10W		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
 Y : PX(Far East, Hawaii) T : Europe E : Europe G : Germany V : China(Shanghai)
 Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components.

* New Parts

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16

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R18			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R19, 20			RK73FB2A224J	CHIP R 220K J 1/10W		
R21			RK73FB2A474J	CHIP R 470K J 1/10W		
R24~26			RK73FB2A474J	CHIP R 470K J 1/10W		
R27, 28			RK73FB2A101J	CHIP R 100 J 1/10W		
R29~36			RK73FB2A224J	CHIP R 220K J 1/10W		
R41, 42			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R43, 44			RK73FB2A224J	CHIP R 220K J 1/10W		
R45, 46			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R47, 48			RK73FB2A224J	CHIP R 220K J 1/10W		
R53, 54			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R55, 56			RK73FB2A224J	CHIP R 220K J 1/10W		
R57, 58			RK73FB2A221J	CHIP R 220 J 1/10W		
R59, 60			RK73FB2A224J	CHIP R 220K J 1/10W		
R61, 62			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R63, 64			RK73FB2A224J	CHIP R 220K J 1/10W		
R69~71			RK73FB2A474J	CHIP R 470K J 1/10W		
R73~78			RK73FB2A104J	CHIP R 100K J 1/10W		
R89, 90			RK73FB2A221J	CHIP R 220 J 1/10W		
R101, 102			RK73FB2A124J	CHIP R 120K J 1/10W		
R103, 104			RK73FB2A362J	CHIP R 3.6K J 1/10W		
R105, 106			RK73FB2A133J	CHIP R 13K J 1/10W		
R107, 108			RK73FB2A224J	CHIP R 220K J 1/10W		
R109, 110			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R111, 112			RK73FB2A241J	CHIP R 240 J 1/10W		
R113, 114			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R115, 116			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R117, 118			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R121, 122			RK73FB2A224J	CHIP R 220K J 1/10W		
R123, 124			RK73FB2A104J	CHIP R 100K J 1/10W		
R125~127			RK73FB2A474J	CHIP R 470K J 1/10W		
R128, 129			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R131, 132			RK73FB2A101J	CHIP R 100 J 1/10W		
R133, 134			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R135~139			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R151, 152			RK73FB2A124J	CHIP R 120K J 1/10W		
R153, 154			RK73FB2A362J	CHIP R 3.6K J 1/10W		
R155, 156			RK73FB2A133J	CHIP R 13K J 1/10W		
R157, 158			RK73FB2A224J	CHIP R 220K J 1/10W		
R159, 160			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R161, 162			RK73FB2A241J	CHIP R 240 J 1/10W		
R163, 164			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R165, 166			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R167, 168			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R171, 172			RK73FB2A104J	CHIP R 100K J 1/10W		
R173~175			RK73FB2A474J	CHIP R 470K J 1/10W		
R177, 178			RK73FB2A101J	CHIP R 100 J 1/10W		
R179, 180			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R181~192			RK73FB2A124J	CHIP R 120K J 1/10W		
R196~199			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R201, 202			RK73FB2A124J	CHIP R 120K J 1/10W		
R203			RK73FB2A362J	CHIP R 3.6K J 1/10W		
R204			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R205			RK73FB2A133J	CHIP R 13K J 1/10W		
R206			RK73FB2A183J	CHIP R 18K J 1/10W		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
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PARTS LIST

KRF-V7771D/V7771DE

* New Parts

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

17

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R207, 208			RK73FB2A224J	CHIP R 220K J 1/10W		
R209, 210			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R211, 212			RK73FB2A241J	CHIP R 240 J 1/10W		
R213, 214			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R215, 216			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R217, 218			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R221, 222			RK73FB2A104J	CHIP R 100K J 1/10W		
R223-225			RK73FB2A474J	CHIP R 470K J 1/10W		
R227, 228			RK73FB2A101J	CHIP R 100 J 1/10W		
R229, 230			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R231, 232			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R233, 234			RK73FB2A224J	CHIP R 220K J 1/10W		
R235, 236			RK73FB2A104J	CHIP R 100K J 1/10W		
R237, 238			RK73FB2A101J	CHIP R 100 J 1/10W		
R239			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R240			RK73FB2A182J	CHIP R 1.8K J 1/10W		
R241, 242			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R243, 244			RK73FB2A224J	CHIP R 220K J 1/10W		
R245, 246			RK73FB2A104J	CHIP R 100K J 1/10W		
R247, 248			RK73FB2A101J	CHIP R 100 J 1/10W		
R249			RK73FB2A474J	CHIP R 470K J 1/10W		
R293, 294			RK73FB2A391J	CHIP R 390 J 1/10W		
R295			RK73FB2A103J	CHIP R 10K J 1/10W		
R301, 302			RK73FB2A684J	CHIP R 680K J 1/10W		
R303, 304			RK73FB2A163J	CHIP R 16K J 1/10W		
R305, 306			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R307, 308			RK73FB2A821J	CHIP R 820 J 1/10W		
R309, 310			RK73FB2A223J	CHIP R 22K J 1/10W		
R311, 312			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R313, 314			RK73FB2A394J	CHIP R 390K J 1/10W		
R315, 316			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R317, 318			RK73FB2A184J	CHIP R 180K J 1/10W		
R319, 320			RK73FB2A433J	CHIP R 43K J 1/10W		
R321, 322			RK73FB2A124J	CHIP R 120K J 1/10W		
R323, 324			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R325, 326			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R327-332			RK73FB2A271J	CHIP R 270 J 1/10W		
R333-338			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R339-341			RK73FB2A242J	CHIP R 2.4K J 1/10W		
R342			RK73FB2A103J	CHIP R 10K J 1/10W		
R343-348			RK73FB2A474J	CHIP R 470K J 1/10W		
R349			RK73FB2A242J	CHIP R 2.4K J 1/10W		
R350			RK73FB2A683J	CHIP R 68K J 1/10W		
R353			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R354			RK73FB2A683J	CHIP R 68K J 1/10W		
R355			RK73FB2A112J	CHIP R 1.1K J 1/10W		
R356			RK73FB2A103J	CHIP R 10K J 1/10W		
R359			RK73FB2A103J	CHIP R 10K J 1/10W		
R361, 362			RK73FB2A104J	CHIP R 100K J 1/10W		
R363, 364			RK73FB2A133J	CHIP R 13K J 1/10W		
R365, 366			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R367, 368			RK73FB2A221J	CHIP R 220 J 1/10W		
R369, 370			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R371, 372			RK73FB2A104J	CHIP R 100K J 1/10W		
R373, 374			RK73FB2A133J	CHIP R 13K J 1/10W		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R375, 376			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R377, 378			RK73FB2A221J	CHIP R 220 J 1/10W		
R379, 380			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R381, 382			RK73FB2A104J	CHIP R 100K J 1/10W		
R383			RK73FB2A133J	CHIP R 13K J 1/10W		
R385			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R386			RK73FB2A101J	CHIP R 100 J 1/10W		
R387, 388			RK73FB2A221J	CHIP R 220 J 1/10W		
R389, 390			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R391-395			RK73FB2A101J	CHIP R 100 J 1/10W		
R401, 402			RK73FB2A101J	CHIP R 100 J 1/10W		
R405, 406			RK73FB2A101J	CHIP R 100 J 1/10W		
R409			RK73FB2A101J	CHIP R 100 J 1/10W		
R410			RK73FB2A103J	CHIP R 10K J 1/10W		
R412			RK73FB2A103J	CHIP R 10K J 1/10W		
R501, 502			RK73FB2A333J	CHIP R 33K J 1/10W		
R503, 504			RK73FB2A183J	CHIP R 18K J 1/10W		
R505, 506			RK73FB2A333J	CHIP R 33K J 1/10W		
R507-512			RK73FB2A103J	CHIP R 10K J 1/10W		
R531, 532			RK73FB2A104J	CHIP R 100K J 1/10W		
R533-536			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R537, 538			RK73FB2A101J	CHIP R 100 J 1/10W		
R541, 542			RK73FB2A100J	CHIP R 10 J 1/10W		
R555, 556			RK73FB2A100J	CHIP R 10 J 1/10W		
R601			RK73FB2A101J	CHIP R 100 J 1/10W		
R603			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R604			RK73FB2A681J	CHIP R 680 J 1/10W		
R605			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R606			RK73FB2A221J	CHIP R 220 J 1/10W		
R607			RK73FB2A821J	CHIP R 820 J 1/10W		
R608			RK73FB2A100J	CHIP R 10 J 1/10W		
R609			RK73FB2A331J	CHIP R 330 J 1/10W		
R610			RK73FB2A681J	CHIP R 680 J 1/10W		
R611			RK73FB2A220J	CHIP R 22 J 1/10W		
R612			RK73FB2A101J	CHIP R 100 J 1/10W		
R614			RK73FB2A101J	CHIP R 100 J 1/10W		
R615			RK73FB2A333J	CHIP R 33K J 1/10W		
R616			RK73FB2A220J	CHIP R 22 J 1/10W		
R617			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R618			RK73FB2A302J	CHIP R 3.0K J 1/10W		
R619			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R620			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R621, 622			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R623			RK73FB2A153J	CHIP R 15K J 1/10W		
R625			RK73FB2A183J	CHIP R 18K J 1/10W		
R627, 628			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R635, 636			RK73FB2A101J	CHIP R 100 J 1/10W		
R638			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R639			RK73FB2A103J	CHIP R 10K J 1/10W		
R642			RK73FB2A103J	CHIP R 10K J 1/10W		
R643			RK73FB2A221J	CHIP R 220 J 1/10W		
Δ R644			RD14NB2E271J	RD 270 J 1/4W		
R645-647			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R648			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R649			RK73FB2A103J	CHIP R 10K J 1/10W		

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Ref. No	Address	New Parts	Parts No.	Description	Desti-nation	Re-marks
Δ R650			RD14NB2E471J	RD		
R651			RK73FB2A562J	CHIP R	470 J	1/4W
R652			RK73FB2A101J	CHIP R	5.6K J	1/10W
R653, 654			RK73FB2A102J	CHIP R	100 J	1/10W
R655			RK73FB2A103J	CHIP R	1.0K J	1/10W
R656, 657			RK73FB2A102J	CHIP R	10K J	1/10W
R658			RK73FB2A123J	CHIP R	1.0K J	1/10W
R659			RK73FB2A122J	CHIP R	12K J	1/10W
R672, 673			RK73FB2A392J	CHIP R	1.2K J	1/10W
R674			RK73FB2A473J	CHIP R	3.9K J	1/10W
R675			RK73FB2A822J	CHIP R	47K J	1/10W
R676			RK73FB2A182J	CHIP R	8.2K J	1/10W
R678			RK73FB2A821J	CHIP R	1.8K J	1/10W
R680			RK73FB2A104J	CHIP R	820 J	1/10W
Δ R681			RS14KB3A151J	FL-PROOF RS	100K J	1/10W
					150 J	1W
R682			RK73FB2A272J	CHIP R	2.7K J	1/10W
R683			RK73FB2A102J	CHIP R	1.0K J	1/10W
R685-687			RK73FB2A105J	CHIP R	1.0M J	1/10W
R688			RK73FB2A563J	CHIP R	56K J	1/10W
R690			RK73FB2A681J	CHIP R	680 J	1/10W
R691, 692			RK73FB2A332J	CHIP R	3.3K J	1/10W
R693			RK73FB2A100J	CHIP R	10 J	1/10W
VR601			R12-3685-05	TRIMMING POT.(10K)		
W303-310			R92-0670-05	CHIP R	0 OHM	
W313, 314			R92-0670-05	CHIP R	0 OHM	
W318, 319			R92-0670-05	CHIP R	0 OHM	
W321			R92-0670-05	CHIP R	0 OHM	
W323			R92-0670-05	CHIP R	0 OHM	
W325-329			R92-0670-05	CHIP R	0 OHM	
W331			R92-0670-05	CHIP R	0 OHM	
W651, 652			R92-0670-05	CHIP R	0 OHM	
W654, 655			R92-0670-05	CHIP R	0 OHM	
W659, 660			R92-0670-05	CHIP R	0 OHM	
W680			R92-0679-05	CHIP R	0 OHM	
W684			R92-0670-05	CHIP R	0 OHM	
W685			R92-0679-05	CHIP R	0 OHM	
W688			R92-0679-05	CHIP R	0 OHM	
S1	2A	*	T99-0606-05	ROTARY ENCODER (VOLUME)		
D2			DA204U	DIODE		
D2			1SS302	DIODE		
D6			DA204U	DIODE		
D6			1SS302	DIODE		
D13			MA111	DIODE		
D14			HZS11N(B)	ZENER DIODE		
D14			RD11ES(B)	ZENER DIODE		
D35			HZS5.1N(B2)	ZENER DIODE		
D35			RD5.1ES(B2)	ZENER DIODE		
D601			DA204K	DIODE		
D603			HZS8.2N(B2)	ZENER DIODE		
D603			RD8.2ES(B2)	ZENER DIODE		
D604			HZS5.1N(B2)	ZENER DIODE		
D604			RD5.1ES(B2)	ZENER DIODE		
D605			HZS2.7N(B2)	ZENER DIODE		

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D605			RD2.7ES(B2)	ZENER DIODE		
D609			HZS3.3N(B2)	ZENER DIODE		
D609			RD3.3ES(B2)	ZENER DIODE		
D611			MA111	DIODE		
D612			HSS104	DIODE		
D612			1SS133	DIODE		
D613			MA111	DIODE		
D615			U1BC44	DIODE		
IC1, 2			TC9164AF	MOS-IC		
IC3			NJM4565D	ANALOGUE IC		
IC4			TC9163AF	MOS-IC		
IC18			TC9164AF	MOS-IC		
IC19, 20			NJM4565D	ANALOGUE IC		
IC21			TC9412AP	MOS-IC		
IC22			NJM4565D	ANALOGUE IC		
IC23			TC9413P	MOS-IC		
IC24			NJM4565D	ANALOGUE IC		
IC25			TC9413P	MOS-IC		
IC26			NJM4565D	ANALOGUE IC		
IC29-31			NJM4565D	ANALOGUE IC		
IC42			TC9163AF	MOS-IC		
IC43			NJM4565D	ANALOGUE IC		
IC44			TC9184AP	MOS-IC		
IC47-49			NJM4565L	ANALOGUE IC		
IC51-53			NJM4565D	ANALOGUE IC		
IC601			LA1837	ANALOGUE IC		
IC602			LC72131	MOS-IC		
Q1-12			2SC4213(B)	TRANSISTOR		
Q15			DTA113ZUA	DIGITAL TRANSISTOR		
Q15			UN5119	DIGITAL TRANSISTOR		
Q16			2SC4081(R,S)	TRANSISTOR		
Q16			2SC4116(Y,GR)	TRANSISTOR		
Q19			DTA113ZUA	DIGITAL TRANSISTOR		
Q19			UN5119	DIGITAL TRANSISTOR		
Q20			2SC4081(R,S)	TRANSISTOR		
Q21			2SC4116(Y,GR)	TRANSISTOR		
Q21			2SA1576A(R,S)	TRANSISTOR		
Q22			2SA1586(Y,GR)	TRANSISTOR		
Q22			2SC4081(R,S)	TRANSISTOR		
Q22			2SC4116(Y,GR)	TRANSISTOR		
Q23			DTA113ZUA	DIGITAL TRANSISTOR		
Q23			UN5119	DIGITAL TRANSISTOR		
Q24			2SC4081(R,S)	TRANSISTOR		
Q24			2SC4116(Y,GR)	TRANSISTOR		
Q31-36			2SC4213(B)	TRANSISTOR		
Q41, 42			2SC3940A(R,S)	TRANSISTOR		
Q43-48			2SC4213(B)	TRANSISTOR		
Q601			2SC4081(R,S)	TRANSISTOR		
Q601			2SC4116(Y,GR)	TRANSISTOR		
Q602			2SA1576A(R,S)	TRANSISTOR		
Q602			2SA1586(Y,GR)	TRANSISTOR		
Q606, 607			2SC4081(R,S)	TRANSISTOR		
Q606, 607			2SC4116(Y,GR)	TRANSISTOR		
Q610, 611			2SD1757K	TRANSISTOR		
Q612			2SA1576A(R,S)	TRANSISTOR		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q612 Q614 Q614			2SA1586(Y,GR) 2SA1576A(R,S) 2SA1586(Y,GR)	TRANSISTOR TRANSISTOR TRANSISTOR		
A601			W02-2584-05	FM FRONT-END ASSY		
ELECTRIC (X25-6202-70)						
D63-66 D67, 68 D69 D70 D73			B30-2493-05 B30-2430-05 B30-1010-05 B30-2493-05 B30-2493-05	LED(RE) LED(RE) LED(SLP-281F-50U) LED(RE) LED(RE)		
C1, 2 C3, 4 C5, 6 C7, 8 C9, 10			CC73FSL1H101J CE04KW1H100M CQ93FMG1H332J CQ93FMG1H123J CE04KW1A101M	CHIP C ELECTRO MYLAR MYLAR ELECTRO	100PF 10UF 3300PF 0.012UF 100UF	J 50WV J J 10WV
C11 C12-14 C15, 16 C17, 18 C19, 20			CK73FB1H103K CC73FSL1H102J CC73FSL1H221J CE04KW1H100M CE04KW1E470M	CHIP C CHIP C CHIP C ELECTRO ELECTRO	0.010UF 1000PF 220PF 10UF 47UF	K J J 50WV 25WV
C21, 22 C23, 24 C101-104 C107, 108 C109, 110			CC73FSL1H181J CC73FSL1H221J CC73FSL1H101J CC73FSL1H101J CC73FSL1H470J	CHIP C CHIP C CHIP C CHIP C CHIP C	180PF 220PF 100PF 100PF 47PF	J J J J J
C111-114 C115 C116 C119 C120			CC73FSL1H101J CK45FF1H223Z CE04KW1HR22M CK45FF1H223Z CE04KW1HR22M	CHIP C CERAMIC ELECTRO CERAMIC ELECTRO	100PF 0.022UF 0.22UF 0.022UF 0.22UF	J Z 50WV Z 50WV
C121 C122 C123 C124 C125			CK73FB1H223K CE04KW1C331M CK45FF1H223Z CE04KW1HR22M CK45FF1H223Z	CHIP C ELECTRO CERAMIC ELECTRO CERAMIC	0.022UF 330UF 0.022UF 0.22UF 0.022UF	K 16WV Z 50WV Z
C126, 127 C128, 129 C130 C132 C134			CE04KW1HR22M CK73FB1H223K CC73FSL1H101J CC73FSL1H220J CC73FSL1H220J	ELECTRO CHIP C CHIP C CHIP C CHIP C	0.22UF 0.022UF 100PF 22PF 22PF	50WV K J J J
C137, 138 C139 C140, 141 C142 C143			CC73FSL1H220J CK73FB1H103K CE04KW1H100M CK73FB1H103K CE04KW1C331M	CHIP C CHIP C ELECTRO CHIP C ELECTRO	22PF 0.010UF 10UF 0.010UF 330UF	J K 50WV K 16WV
C144 C146 C149, 150 C151-154 C201, 202			CE04KW1H2R2M CK73FB1H103K CC73FSL1H101J CK73FB1E104K CC73FSL1H331J	ELECTRO CHIP C CHIP C CHIP C CHIP C	2.2UF 0.010UF 100PF 0.10UF 330PF	50WV K J K J
C205 C206 C209, 210 C211, 212			CK73FB1H103K CC73FSL1H102J CE04KW1E470M CC73FSL1H470J	CHIP C CHIP C ELECTRO CHIP C	0.010UF 1000PF 47UF 47PF	K J 25WV J

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C213, 214 C227 C301, 302 C303, 304 C305-308			CE04KW1H4R7M CC73FSL1H101J CE04KW1H4R7M CC73FSL1H271J CC73FSL1H101J	ELECTRO CHIP C ELECTRO CHIP C CHIP C	4.7UF 100PF 4.7UF 270PF 100PF	50WV J 50WV J J
C309, 310 C311, 312 C313-316 C317, 318 C319, 320			CE04KW1A221M CK73FB1H222K CC45FSL2H560J CE04KW1H470M CC73FSL1H270J	ELECTRO CHIP C CERAMIC ELECTRO CHIP C	220UF 2200PF 56PF 47UF 27PF	10WV K J 50WV J
C321, 322 C325, 326 C351, 352 C353, 354 C355-358			CK73FB1H103K CC73FSL1H151J CE04KW1H4R7M CC73FSL1H271J CC73FSL1H101J	CHIP C CHIP C ELECTRO CHIP C CHIP C	0.010UF 150PF 4.7UF 270PF 100PF	K J 50WV J J
C359, 360 C361, 362 C363-366 C367, 368 C369, 370			CE04KW1A221M CK73FB1H222K CC45FSL2H560J CE04KW1H470M CC73FSL1H270J	ELECTRO CHIP C CERAMIC ELECTRO CHIP C	220UF 2200PF 56PF 47UF 27PF	10WV K J 50WV J
C371 C372 C375, 376 C401 C402			CK73FB1H153K CK73FB1H103K CC73FSL1H151J CE04KW1H4R7M CC73FSL1H271J	CHIP C CHIP C CHIP C ELECTRO CHIP C	0.015UF 0.010UF 150PF 4.7UF 270PF	K K J 50WV J
C403, 404 C405 C406 C407, 408 C409			CC73FSL1H101J CE04KW1A221M CK73FB1H222K CC45FSL2H560J CE04KW1H470M	CHIP C ELECTRO CHIP C CERAMIC ELECTRO	100PF 220UF 2200PF 56PF 47UF	J 10WV K J 50WV
C410 C411 C412 C413 C451, 452			CC73FSL1H270J CK73FB1H153K CK73FB1H332K CC73FSL1H151J CE04KW2A4R7M	CHIP C CHIP C CHIP C CHIP C ELECTRO	27PF 0.015UF 3300PF 150PF 4.7UF	J K K J 100WV
C453, 454 C456, 457 C458 C460 C461			CE04KW1E470M CE04KW2A4R7M CE04KW1E470M CE04KW1E220M CC73FSL1H102J	ELECTRO ELECTRO ELECTRO ELECTRO CHIP C	47UF 4.7UF 47UF 22UF 1000PF	25WV 100WV 25WV 25WV J
C463 C501 C502 C503 C504			CE04KW1A221M CC73FSL1H101J CE04HW1E100M CE04KW1H100M CK73FB1H103K	ELECTRO CHIP C NP-ELEC ELECTRO CHIP C	220UF 100PF 10UF 10UF 0.010UF	10WV J 25WV 50WV K
C505 C506 C507 C509 C510			CE04KW1H2R2M CC73FSL1H050C CE04KW1H2R2M CC73FSL1H220J CK73FB1H103K	ELECTRO CHIP C ELECTRO CHIP C CHIP C	2.2UF 5.0PF 2.2UF 22PF 0.010UF	50WV C 50WV J K
C511 C514-517 C519 C520, 521 C522, 523			CE04KW1C331M CC73FSL1H101J CC73FSL1H101J CE04KW1H2R2M CE04KW1H100M	ELECTRO CHIP C CHIP C ELECTRO ELECTRO	330UF 100PF 100PF 2.2UF 10UF	16WV J J 50WV 50WV

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C524, 525 C526 C528-530 C550-554 C601, 602			CK73FB1H103K CK73FB1E104K CK73FB1E104K CC73FSL1H820J CC73FSL1H101J	CHIP C CHIP C CHIP C CHIP C CHIP C	0.010UF 0.10UF 0.10UF 82PF 100PF	K K K J J
C603 C604 C605 C606-608 C609-615			C90-3244-05 CK73FF1C105Z CK73FB1H103K CC73FSL1H101J CK73FB1H103K	ELECTRO CHIP C CHIP C CHIP C CHIP C	10UF 1.0UF 0.010UF 100PF 0.010UF	35WV Z K J K
C616 C617-632 C633 C634 C701-703			C90-3241-05 CC73FSL1H221J CK73FB1H103K C90-3255-05 CC73FSL1H101J	ELECTRO CHIP C CHIP C ELECTRO CHIP C	3.3UF 220PF 0.010UF 3.3UF 100PF	35WV J K 50WV J
C705 C706, 707 C708 C801, 802 C803, 804			CK73FB1E104K CC73FSL1H101J CK73FB1E104K CK73FB1H103K CE04KW1V102M	CHIP C CHIP C CHIP C CHIP C ELECTRO	0.10UF 100PF 0.10UF 0.010UF 1000UF	K J K K 35WV
C805 C806 C807, 808 C809, 810 C811			CC73FSL1H331J CC73FSL1H102J CK73FB1H103K CE04KW1E470M CE04KW1V100M	CHIP C CHIP C CHIP C ELECTRO ELECTRO	330PF 1000PF 0.010UF 47UF 10UF	J K J 25WV 35WV
C812, 813 C814, 815 C816-818 C819, 820 C821			CK73FB1H103K CK73FB1H473K CE04KW1H100M CK73FB1H103K CE04KW1C472M	CHIP C CHIP C ELECTRO CHIP C ELECTRO	0.010UF 0.047UF 10UF 0.010UF 4700UF	K K 50WV K 16WV
C822 C823 C824 C825 C826			CK73FB1H103K CE04KW1V102M CK73FB1H103K CE04KW1V331M CK73FB1H103K	CHIP C ELECTRO CHIP C ELECTRO CHIP C	0.010UF 1000UF 0.010UF 330UF 0.010UF	K 35WV K 35WV K
C827 C828 C829 C831 C901			CE04KW1C470M CE04KW1C101M CK73FB1H103K CE04KW1C101M CK73FB1H103K	ELECTRO ELECTRO CHIP C ELECTRO CHIP C	47UF 100UF 0.010UF 100UF 0.010UF	16WV 16WV K 16WV K
C903 C904 C905 C906 C907			CC73FSL1H102J CK73FB1H103K CE04KW1E470M CK73FB1H182K CK73FF1C105Z	CHIP C CHIP C ELECTRO CHIP C CHIP C	1000PF 0.010UF 47UF 1800PF 1.0UF	J K 25WV K Z
C908 C909			CK73FB1E104K CE04KW1E220M	CHIP C ELECTRO	0.10UF 22UF	K 25WV
CN11 CN21 CN22 CN23 CN24			E40-9829-05 E40-9848-05 E40-9853-05 E40-9842-05 E40-9851-05	SOCKET FOR PIN ASSY PIN ASSY PIN ASSY PIN ASSY PIN ASSY		
CN25 CN26		*	E40-9846-05 E40-9837-05	PIN ASSY PIN ASSY		

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CN27 CN28 CN29 CN32 CN33		*	E40-9820-05 E40-9837-05 E40-9842-05 E40-4298-05 E40-4938-05	SOCKET FOR PIN ASSY PIN ASSY PIN ASSY FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR		
CN51 J1 J2 J3 J4, 5			E40-4916-05 E63-0200-05 E63-1030-05 E56-0012-05 E56-0011-05	FLAT CABLE CONNECTOR PHONO JACK (PHONO) PHONO JACK (AUX) CYLINDRICAL RCPTCL(S-VIDEO) CYLINDRICAL RCPTCL(VIDEO1-4)	2C 2B 2B 1C	
J9 J11	1C 1C		E63-0162-05 E63-0162-05	PHONO JACK (VIDEO3,4) PHONO JACK (VIDEO1,2)		
Δ F1 Δ F2, 3 Δ F4			F05-1222-05 F05-1623-05 F05-1222-05	FUSE (SEMKO) (250V T1.25A L) FUSE (SEMKO) (250V T1.6AL) FUSE (SEMKO) (250V T1.25A L)		
CN81-88 E1			J13-0075-05 J19-5789-04	FUSE CLIP HOLDER		
L1, 2 X1		*	L92-0079-05 L78-0284-05	CHIP FERRITE RESONATOR (5MHZ)		
R1, 2 R3, 4 R5, 6 R7, 8 R9, 10			RK73FB2A102J RK73FB2A101J RK73FB2A623J RK73FB2A361J RK73FB2A102J	CHIP R CHIP R CHIP R CHIP R CHIP R	1.0K 100 62K 360 1.0K	J J J J J 1/10W 1/10W 1/10W 1/10W 1/10W
R15, 16 R17, 18 R19, 20 R101-103 R104			RK73FB2A473J RD14NB2E100J RK73FB2A224J RK73FB2A750J RK73FB2A1R0J	CHIP R RD CHIP R CHIP R CHIP R	47K 10 220K 75 1	J J J J J 1/10W 1/4W 1/10W 1/10W 1/10W
R105 R109 R110 R111 R112			RK73FB2A750J RK73FB2A750J RK73FB2A1R0J RK73FB2A750J RK73FB2A1R0J	CHIP R CHIP R CHIP R CHIP R CHIP R	75 75 1 75 1	J J J J J 1/10W 1/10W 1/10W 1/10W 1/10W
R113-115 R116 R117 R118 R119			RK73FB2A750J RK73FB2A1R0J RK73FB2A750J RK73FB2A1R0J RK73FB2A750J	CHIP R CHIP R CHIP R CHIP R CHIP R	75 1 75 1 75	J J J J J 1/10W 1/10W 1/10W 1/10W 1/10W
R120 R121 R122 R123, 124 R125			RK73FB2A1R0J RK73FB2A750J RK73FB2A1R0J RK73FB2A184J RK73FB2A101J	CHIP R CHIP R CHIP R CHIP R CHIP R	1 75 1 180K 100	J J J J J 1/10W 1/10W 1/10W 1/10W 1/10W
R126 R128 R129 R131, 132 R133			RK73FB2A203J RK73FB2A203J RK73FB2A184J RK73FB2A103J RK73FB2A184J	CHIP R CHIP R CHIP R CHIP R CHIP R	20K 20K 180K 10K 180K	J J J J J 1/10W 1/10W 1/10W 1/10W 1/10W
R135, 136 R138, 139 R142 R148			RK73FB2A221J RK73FB2A103J RK73FB2A103J RK73FB2A101J	CHIP R CHIP R CHIP R CHIP R	220 10K 10K 100	J J J J 1/10W 1/10W 1/10W 1/10W

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R149			RK73FB2A103J	CHIP R 10K J 1/10W		
R150, 151			RK73FB2A221J	CHIP R 220 J 1/10W		
R156			RK73FB2A101J	CHIP R 100 J 1/10W		
R157			RK73FB2A103J	CHIP R 10K J 1/10W		
R158			RK73FB2A221J	CHIP R 220 J 1/10W		
R159			RK73FB2A361J	CHIP R 360 J 1/10W		
R172			RK73FB2A750J	CHIP R 75 J 1/10W		
R181			RK73FB2A561J	CHIP R 560 J 1/10W		
R182			RK73FB2A103J	CHIP R 10K J 1/10W		
R183			RK73FB2A361J	CHIP R 360 J 1/10W		
R184			RK73FB2A221J	CHIP R 220 J 1/10W		
R192			RK73FB2A561J	CHIP R 560 J 1/10W		
R201, 202			RK73FB2A474J	CHIP R 470K J 1/10W		
R205, 206			RK73FB2A474J	CHIP R 470K J 1/10W		
R211-214			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R215, 216			RK73FB2A512J	CHIP R 5.1K J 1/10W		
R225, 226			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R301, 302			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R303, 304			RK73FB2A104J	CHIP R 100K J 1/10W		
R305, 306			RK73FB2A163J	CHIP R 16K J 1/10W		
R307-310			RK73FB2A751J	CHIP R 750 J 1/10W		
R311, 312			RK73FB2A202J	CHIP R 2.0K J 1/10W		
R313, 314			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R315-318			RK73FB2A103J	CHIP R 10K J 1/10W		
R319-322			RD14NB2E271J	RD 270 J 1/4W		
R323, 324			RD14NB2E181J	RD 180 J 1/4W		
R327, 328			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R329, 330			RK73FB2A621J	CHIP R 620 J 1/10W		
R351, 352			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R353, 354			RK73FB2A104J	CHIP R 100K J 1/10W		
R355, 356			RK73FB2A163J	CHIP R 16K J 1/10W		
R357-360			RK73FB2A751J	CHIP R 750 J 1/10W		
R361, 362			RK73FB2A202J	CHIP R 2.0K J 1/10W		
R363, 364			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R365-368			RK73FB2A103J	CHIP R 10K J 1/10W		
R369-372			RD14NB2E271J	RD 270 J 1/4W		
R373, 374			RD14NB2E181J	RD 180 J 1/4W		
R377, 378			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R379, 380			RK73FB2A621J	CHIP R 620 J 1/10W		
R401			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R402			RK73FB2A104J	CHIP R 100K J 1/10W		
R403			RK73FB2A163J	CHIP R 16K J 1/10W		
R404, 405			RK73FB2A751J	CHIP R 750 J 1/10W		
R406			RK73FB2A202J	CHIP R 2.0K J 1/10W		
R407			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R408, 409			RK73FB2A103J	CHIP R 10K J 1/10W		
R410, 411			RD14NB2E271J	RD 270 J 1/4W		
R412			RD14NB2E181J	RD 180 J 1/4W		
R414			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R415			RK73FB2A621J	CHIP R 620 J 1/10W		
R467			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R468			RK73FB2A242J	CHIP R 2.4K J 1/10W		
R471, 472			RD14NB2E222J	RD 2.2K J 1/4W		
R473			RD14NB2E391J	RD 390 J 1/4W		
R474, 475			RK73FB2A101J	CHIP R 100 J 1/10W		

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R477			RD14NB2E391J	RD 390 J 1/4W		
R478			RK73FB2A101J	CHIP R 100 J 1/10W		
R479			RK73FB2A103J	CHIP R 10K J 1/10W		
R480			RD14NB2E220J	RD 22 J 1/4W		
R481			RK73FB2A103J	CHIP R 10K J 1/10W		
R483-487			RK73FB2A104J	CHIP R 100K J 1/10W		
R490			RK73FB2A243J	CHIP R 24K J 1/10W		
R501			RK73FB2A103J	CHIP R 10K J 1/10W		
R503			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R504			RK73FB2A101J	CHIP R 100 J 1/10W		
R509			RK73FB2A750J	CHIP R 75 J 1/10W		
R510			RK73FB2A103J	CHIP R 10K J 1/10W		
R511			RK73FB2A223J	CHIP R 22K J 1/10W		
R516			RK73FB2A361J	CHIP R 360 J 1/10W		
R517			RK73FB2A103J	CHIP R 10K J 1/10W		
R518, 519			RK73FB2A221J	CHIP R 220 J 1/10W		
R520-522			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R523			RK73FB2A750J	CHIP R 75 J 1/10W		
R524			RK73FB2A104J	CHIP R 100K J 1/10W		
R525			RK73FB2A750J	CHIP R 75 J 1/10W		
R527			RK73FB2A750J	CHIP R 75 J 1/10W		
R528			RK73FB2A104J	CHIP R 100K J 1/10W		
R529			RK73FB2A750J	CHIP R 75 J 1/10W		
R601			RK73FB2A103J	CHIP R 10K J 1/10W		
R602, 603			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R604			RD14NB2E330J	RD 33 J 1/4W		
R606, 607			RK73FB2A100J	CHIP R 10 J 1/10W		
R610-614			RK73FB2A471J	CHIP R 470 J 1/10W		
R615			RK73FB2A361J	CHIP R 360 J 1/10W		
R617			RK73FB2A471J	CHIP R 470 J 1/10W		
R618			RK73FB2A221J	CHIP R 220 J 1/10W		
R619			RK73FB2A104J	CHIP R 100K J 1/10W		
R620-623			RK73FB2A221J	CHIP R 220 J 1/10W		
R627-631			RK73FB2A103J	CHIP R 10K J 1/10W		
R632-666			RK73FB2A104J	CHIP R 100K J 1/10W		
R701, 702			RK73FB2A221J	CHIP R 220 J 1/10W		
R705			RK73FB2A152J	CHIP R 1.5K J 1/10W		
R706, 707			RK73FB2A224J	CHIP R 220K J 1/10W		
R708-710			RK73FB2A750J	CHIP R 75 J 1/10W		
R711			RK73FB2A184J	CHIP R 180K J 1/10W		
R801, 802			RD14NB2E332J	RD 3.3K J 1/4W		
R803, 804			RD14NB2E101J	RD 100 J 1/4W		
R805			RD14NB2E1R8J	RD 1.8 J 1/4W		
R806			RD14NB2E2R7J	RD 2.7 J 1/4W		
R808			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R809			RK73FB2A512J	CHIP R 5.1K J 1/10W		
R810			RK73FB2A153J	CHIP R 15K J 1/10W		
R811			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R812			RK73FB2A103J	CHIP R 10K J 1/10W		
R821			RD14NB2E272J	RD 2.7K J 1/4W		
R822			RK73FB2A100J	CHIP R 10 J 1/10W		
R823			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R824			RK73FB2A100J	CHIP R 10 J 1/10W		
R825			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R828			RD14NB2E332J	RD 3.3K J 1/4W		

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R901			RK73FB2A223J	CHIP R 22K J 1/10W		
R902, 903			RK73FB2A103J	CHIP R 10K J 1/10W		
R904			RK73FB2A153J	CHIP R 15K J 1/10W		
R905			RK73FB2A103J	CHIP R 10K J 1/10W		
R906			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R912			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R917-922			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R923			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R924			RK73FB2A103J	CHIP R 10K J 1/10W		
R925			RK73FB2A104J	CHIP R 100K J 1/10W		
R926			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R927			RK73FB2A474J	CHIP R 470K J 1/10W		
R928			RK73FB2A103J	CHIP R 10K J 1/10W		
R929			RK73FB2A101J	CHIP R 100 J 1/10W		
R996, 997			RK73FB2A473J	CHIP R 47K J 1/10W		
R998, 999			RD14NB2E103J	RD 10K J 1/4W		
W254			R92-0670-05	CHIP R 0 OHM		
W312-314			R92-0670-05	CHIP R 0 OHM		
S2-7	2A, 2B		S70-0031-05	TACT SWITCH		
D1			MA111	DIODE		
D2			U1BC44	DIODE		
D7			MA111	DIODE		
D31-38			HSS104	DIODE		
D31-38			1SS133	DIODE		
D39			DA204K	DIODE		
D41, 42			HSS104	DIODE		
D41, 42			1SS133	DIODE		
D43			HZS5.1S(B2)	ZENER DIODE		
D43			RD5.1JS(B2)	ZENER DIODE		
D44, 45			MA111	DIODE		
D46			HZS16N(B2)	ZENER DIODE		
D46			RD16ES(B2)	ZENER DIODE		
D47			HZS18N(B)	ZENER DIODE		
D47			RD18ES(B)	ZENER DIODE		
D48			HZS13N(B2)	ZENER DIODE		
D48			RD13ES(B2)	ZENER DIODE		
D49			HZS11N(B)	ZENER DIODE		
D49			RD11ES(B)	ZENER DIODE		
D55, 56			DA204K	DIODE		
D58-60			MA111	DIODE		
D61			HZS3.3N(B)	ZENER DIODE		
D61			RD3.3ES(B)	ZENER DIODE		
D62			HZS2.7N(B)	ZENER DIODE		
D62			RD2.7ES(B)	ZENER DIODE		
D74, 75			MA111	DIODE		
D77			HZS5.1S(B2)	ZENER DIODE		
D77			RD5.1JS(B2)	ZENER DIODE		
D78			MA111	DIODE		
Δ D81, 82			1B4B41	DIODE		
D83, 84			HZS15N(B)	ZENER DIODE		
D83, 84			RD15ES(B)	ZENER DIODE		
D85			HZS5.1S(B2)	ZENER DIODE		
D85			RD5.1JS(B2)	ZENER DIODE		
Δ D86			S5688B	DIODE		

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D87			HZS11N(B)	ZENER DIODE		
Δ D87			RD11JS(B)	ZENER DIODE		
D88			D3SBA20F03	DIODE		
D89			HZS11N(B)	ZENER DIODE		
D89			RD11JS(B)	ZENER DIODE		
D90, 91			MA111	DIODE		
D901, 902			MA111	DIODE		
D996			MA111	DIODE		
D997			HSS104	DIODE		
D997			1SS133	DIODE		
D998			HZS15N(B)	ZENER DIODE		
D998			RD15ES(B)	ZENER DIODE		
D999			MA111	DIODE		
ED1	2B	*	16-MT-62GK	INDICATOR TUBE		
IC1			NJM4580ED	ANALOGUE IC		
IC11, 12			SN761200N	ANALOGUE IC		
IC21			NJM2058D	IC(OP AMP X4)		
IC23			TC9162AF	MOS-IC		
IC51			SN761200N	ANALOGUE IC		
IC52			MC14577CF	MOS-IC		
IC53			NJU3713D	MOS-IC		
IC61			UPD780204-038	MI-COM IC		
IC81			NJM4558D	ANALOGUE IC		
Δ IC82			TA79005S	IC(VOLTAGE REGULATOR/-5V)		
Δ IC82			UPC7905AHF	IC(VOLTAGE REGULATOR/-5V)		
Δ IC83			TA7805S	ANALOGUE IC		
Δ IC83			UPC7805AHF	ANALOGUE IC		
Δ IC84			SI-3082V	ANALOGUE IC		
IC90			BA7645N	MOS-IC		
IC91			NJM4580L	IC(OP AMP X2)		
Q12			2SC4081(R,S)	TRANSISTOR		
Q14			2SC4081(R,S)	TRANSISTOR		
Q15, 16			2SC4213(B)	TRANSISTOR		
Q30, 31			2SC4081(R,S)	TRANSISTOR		
Q52			2SC4081(R,S)	TRANSISTOR		
Q53			DTA113ZUA	DIGITAL TRANSISTOR		
Q53			UN5119	DIGITAL TRANSISTOR		
Q54			DTC124EUA	DIGITAL TRANSISTOR		
Q54			UN5212	DIGITAL TRANSISTOR		
Q55			2SC4213(B)	TRANSISTOR		
Q81			2SC2458(Y,GR)	TRANSISTOR		
Q81			2SC3311A(Q,R)	TRANSISTOR		
Q82			2SA1048(Y,GR)	TRANSISTOR		
Q82			2SA1309A(Q,R)	TRANSISTOR		
Δ Q83			2SB1370(E,F)	TRANSISTOR		
Δ Q83			2SB1375	TRANSISTOR		
Δ Q84			2SD2012	TRANSISTOR		
Δ Q84			2SD2061(E,F)	TRANSISTOR		
Δ Q85			2SB1370(E,F)	TRANSISTOR		
Δ Q85			2SB1375	TRANSISTOR		
Δ Q86			2SD2012	TRANSISTOR		
Δ Q86			2SD2061(E,F)	TRANSISTOR		
Q301-304			2SA992(F,E)	TRANSISTOR		
Q305-308			2SC2631(R,S)	TRANSISTOR		
Q309, 310			2SA1123(R,S)	TRANSISTOR		

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Q311, 312			2SA1586(Y,GR)	TRANSISTOR		
Q351~354			2SA992(F,E)	TRANSISTOR		
Q355~358			2SC2631(R,S)	TRANSISTOR		
Q359, 360			2SA1123(R,S)	TRANSISTOR		
Q361, 362			2SA1586(Y,GR)	TRANSISTOR		
Q401, 402			2SA992(F,E)	TRANSISTOR		
Q403, 404			2SC2631(R,S)	TRANSISTOR		
Q405			2SA1123(R,S)	TRANSISTOR		
Q406			2SA1586(Y,GR)	TRANSISTOR		
Δ Q451			2SA1535(R,S)	TRANSISTOR		
Δ Q452			2SC3944(R,S)	TRANSISTOR		
Q453			DTC124EUA	DIGITAL TRANSISTOR		
Q453			UN5212	DIGITAL TRANSISTOR		
Q454			2SA1611(M5,M6)	TRANSISTOR		
Q455			2SC4177(L5,L6)	TRANSISTOR		
Q456			DTC124EUA	DIGITAL TRANSISTOR		
Q456			UN5212	DIGITAL TRANSISTOR		
Δ Q457			2SC4177(L5,L6)	TRANSISTOR		
Q901			2SC4081(R,S)	TRANSISTOR		
Q902, 903			2SA1611(M5,M6)	TRANSISTOR		
Q999			2SC3244	TRANSISTOR		
A1	2B		W02-2571-05	OPTIC RECEIVING MODULE		

L : Scandinavia K : USA P : Canada R : Mexico C : China I : Malaysia
 Y : PX(Far East, Hawaii) T : Europe E : Europe G : Germany V : China(Shanghai)
 Y : AAFES(Europe) X : Australia Q : Russia H : Korea M : Other Areas Δ indicates safety critical components.

KRF-V7771D/V7771DE

SPECIFICATIONS

AUDIO section

Rated power output during STEREO operation	
(DIN) 1 kHz, 0.7% at 4 Ω	120 W + 120 W
(IEC) 63 Hz ~ 12.5 kHz, 0.7% at 4 Ω	120 W + 120 W
Effective power output during SURROUND operation	
FRONT	
(1kHz, 0.7% T.H.D. at 4 Ω one channel driven) 100 W + 100 W
CENTER	
(1kHz, 0.7% T.H.D. at 4 Ω one channel driven) 100 W
SURROUND	
(1kHz, 0.7% T.H.D. at 4 Ω one channel driven) 100 W + 100 W
Total harmonic distortion	0.004 % (1kHz, 60 W, 4 Ω)
Frequency response(IHF '66)	
CD	5 Hz ~ 80 kHz, +0.5 dB, -3 dB
Signal to noise ratio (IHF '66)	
PHONO (MM)	77 dB
CD	93 dB
Input sensitivity / impedance	
PHONO (MM)	2.5 mV / 47 k Ω
CD	200 mV / 47 k Ω
6CH INPUT	200 mV / 47 k Ω
Output level / impedance	
TAPE REC	200 mV / 220 Ω
PRE OUT (FRONT, CENTER, SURROUND, SUBWOOFER) 1 V / 500 Ω
Tone control	
BASS	± 7 dB (at 100 Hz)
TREBLE	± 7 dB (at 10 kHz)
LOUDNESS control	
VOLUME at -40dB level ...	+7 dB(100 Hz), +4 dB(10 kHz)

DIGITAL AUDIO section

Sampling frequency	32 kHz, 44.1 kHz, 48 kHz
Input level / impedance / wave length	
Optical	-15 dBm ~ -21 dBm, 600 nm ± 30 nm
Coaxial	0.5 Vp-p / 75 Ω

VIDEO section

VIDEO inputs / outputs	
VIDEO (composite)	1 Vp-p / 75 Ω
S-VIDEO (luminance signal)	1 Vp-p / 75 Ω
(chrominance signal)	0.286 Vp-p / 75 Ω

FM tuner section

Tuning frequency range	87.5 MHz ~ 108 MHz
Usable sensitivity (DIN, 75 Ω)	
MONO	1.2 μ V / 13.2 dBf (40 kHz DEV., S/N 26 dB)
STEREO	45 μ V / 44.2 dBf (46 kHz DEV., S/N 46 dB)
Total harmonic distortion (DIN, 1 kHz)	
MONO	0.2 % (65.2 dBf input)
STEREO	0.8 % (65.2 dBf input)
Signal to noise ratio (DIN weighted, 1 kHz)	
MONO	65 dB (40 kHz DEV., 65.2 dBf input)
STEREO	60 dB (46 kHz DEV., 65.2 dBf input)
Stereo separation (DIN, 1 kHz)	36 dB
Selectivity (DIN, ± 300 kHz)	64 dB
Frequency response (30 Hz ~ 15kHz)	+0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range	531 kHz ~ 1,602 kHz
Usable sensitivity (30% mod., S/N 20 dB)	
.....	16 μ V / (600 μ V/m)
Signal to noise ratio (30 % mod., 1 mV input)	50 dB

GENERAL

Power consumption	330 W
\triangle AC outlet	
SWITCHED	2 (total 90 W max.)
Dimensions	
..... W : 440 mm (17-5/16")	
..... H : 162 mm (6-3/8")	
..... D : 391 mm (15-3/8")	
Weight (Net)	11.4 kg (25.1lb)



1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. Full performance may not be exhibited in extremely cold locations (below 0 deg.C).

KRF-V7771D/V7771DE

Note:

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

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