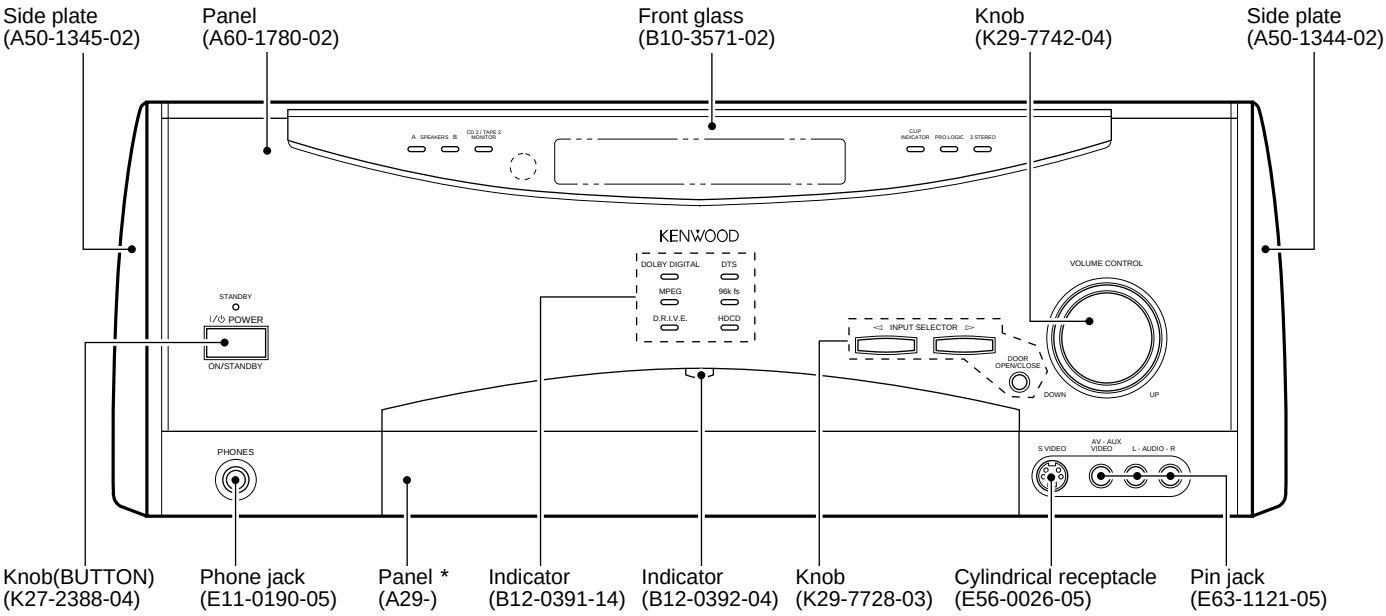
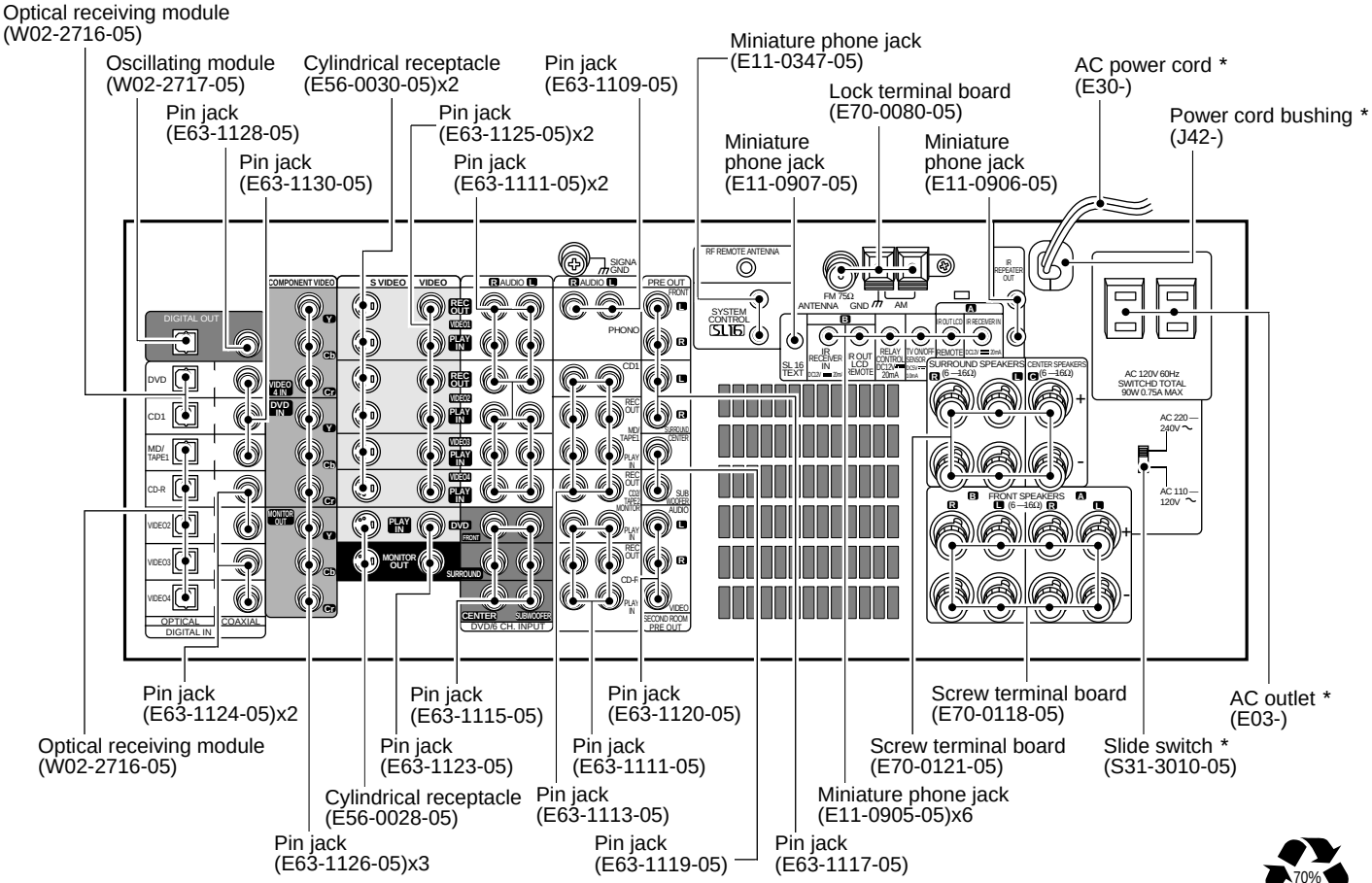
AUDIO VIDEO SURROUND RECEIVER

KRF-V7773D/V7773D-B
KRF-V9993D

SERVICE MANUAL

KENWOOD





Illust is KRF-V9993D.

*** Refer to parts list on page 63.**

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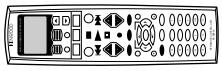
Accessories

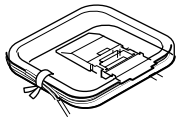
Remote control unit
(A70-1313-05): RC-R0912
(A70-1344-05): RC-R0910



Battery cover(A09-1166-08)

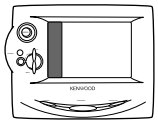
Batteries

AM Loop Antenna
(T90-0852-05)



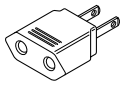
FM Antenna
(T90-0855-05)

Remote control unit (PowerTouch)
(A70-1350-05): RC-R1011
(A70-1351-05): RC-R1010



Battery cover(A09-1177-08)
Pen(W01-0976-08)

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



Use to adapt the plug on the power cord to the shape of the wall outlet. (Accessory only for regions where use is necessary.)

Cautions

DOLBY DIGITAL

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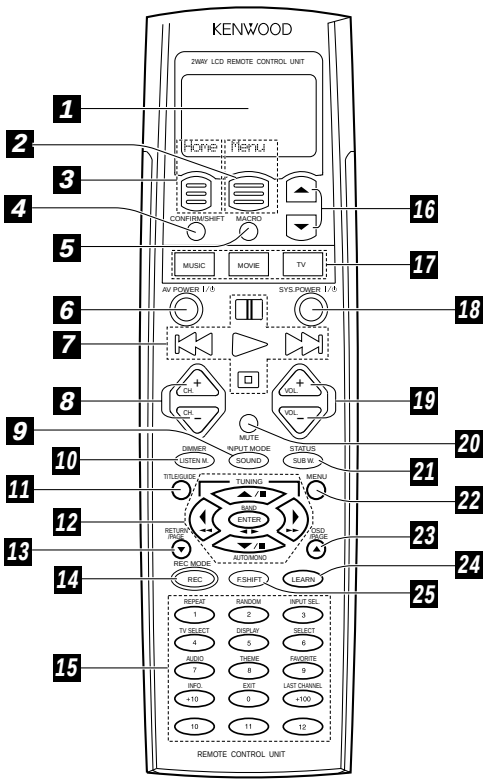
Remote control

What's on Remot Control unit?

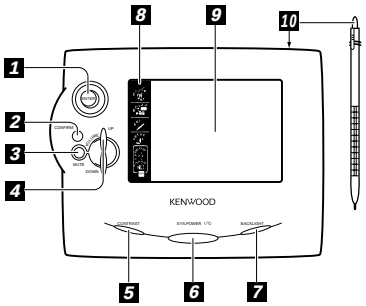


1. LCD indicators
2. LCD function key 2
3. LCD function key 1
4. CONFIRM/SHIFT key
5. MACRO key
6. AV.POWER key (AV device Power key)
7. AV device control keys
   ► : Play
   I◄◄ , ►►I : Skip
   ❚❚ : Pause
   ■ : Stop
8. CH.(+/-)key (AV device control keys)
9. SOUND (INPUT MODE) key
10. LISTEN M.(DIMMER) key
11. TITLE/GUIDE key (AV device control key)
12. ▲Cursor up (❚❚ PAUSE)key
    ・Cursor down (AUTO/MONO, ■ STOP) key
    left,right (TUNING)keys
    ENTER (BAND)(Play)key
13. RETURN/PAGE key (AV device control key)
14. REC (Recording)(REC MODE) key5
15. Numeric keys (AV device control keys)
16. LCD cursor up/down keys
17. Input selector keys
    MUSIC: Audio device selector key
    MOVIE: Video device selector key
    TV: TV/video monitor selector key
18. SYS.POWER (Receiver power)key
19. VOL.(+/-)keys
20. MUTE key
21. SUB W.(STATUS)key
22. MENU key (AV device control keys)
23. OSD/PAGE ▲ key (AV device control key)
24. LEARN key
25. F.SHIFT (Backlight)key

How to operate the F.SHIFT key:

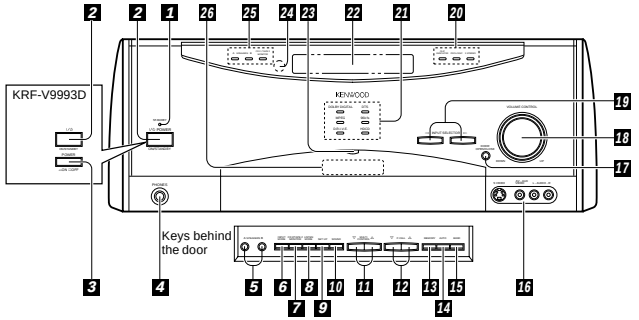
In addition to the functions marked on the remote control keys,those marked in blue characters above the keys can be used. To use these functions,press the F.SHIFT key then press the desired key within 8 seconds. (Example)To use the REPEAT function,press the F.SHIFT key then press key 1 (REPEAT).

What's on Power Touch?



1. Joystick
2. Confirm button
3. Mute button
4. Volume up/down button
5. Contrast button
6. On/Standby button
7. Backlight button
8. Quick Access menu
9. Touch screen display
10. Stylus (stored on top edge)

What's on the Front Panel of Your Kenwood Audio-Video Receiver?



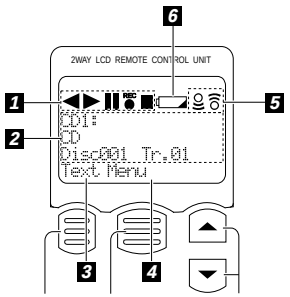
1. STANDBY indicator light
2. POWER ON/STANDBY key
   (VR-4900/VR-4700)
   ON STANDBY key
   (KRF-V9993D)
3. POWER ON / OFF switch (KRF-V9993D)
4. PHONES jack
5. SPEAKERS A/B key
6. INPUT MODE key
7. CD 2/TAPE 2 MONITOR key
8. LISTEN MODE key
9. SET UP key
10. SOUND key
11. MULTI CONTROL (Up/Down) keys
12. P. CALL (Up/Down) keys
13. MEMORY key
14. AUTO key
15. BAND key
16. AV-AUX input jacks
17. DOOR OPEN/CLOSE key
18. VOLUME CONTROL knob
19. INPUT SELECTOR keys
20. Indicators
    CLIP INDICATOR
    PRO LOGIC
    3 STEREO
21. Indicators
    DTS / 96 k fs / HDCD
    DOLBY DIGITAL / MPEG
    D. R. I. V. E.
22. DISPLAY
23. 2-way communication indicator
24. Infrared remote sensor
25. Indicators
    SPEAKER A/B
    CD 2/TAPE 2 MONITOR
26. Infrared remote transmitter

Keys 5 to 15 are located behind the door.

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.

LCD Indicators



1. Playback/recording mode indicators
   ◄►Play indicator/ ❚❚ :Pause indicator/ REC ● :Record indicator/
   ■ :Stop indicator
2. Character display
   Shows various information such as the input device name and track number.
3. Current function of LCD function key 1
4. Current function of LCD function key 2
5. Communication indicators
   :Sending. :Receiving.
6. Battery indicator
   " "appears when the batteries are nearly exhausted.
   In this case, replace all of the four batteries together.

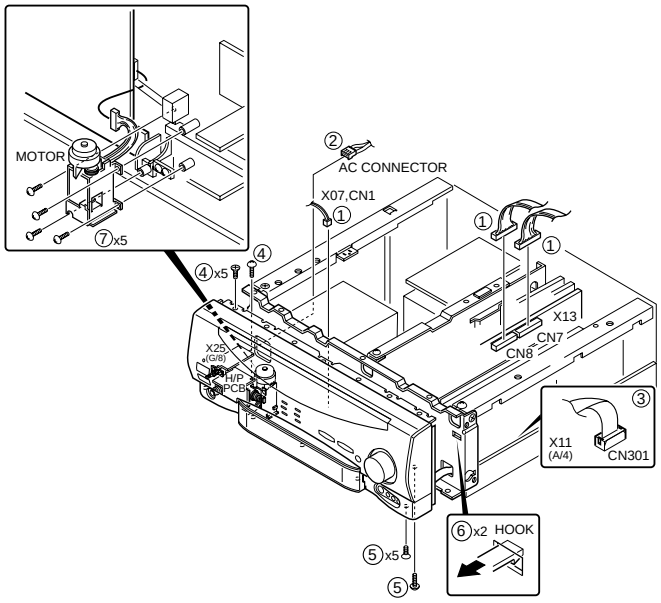
To switch the menu:

The menu can be switched over or selected while LCD function key 1 and/or 2 are displayed. (Examples:Home,Back,Menu,Enter,etc.)

DISASSEMBLY FOR REPAIR

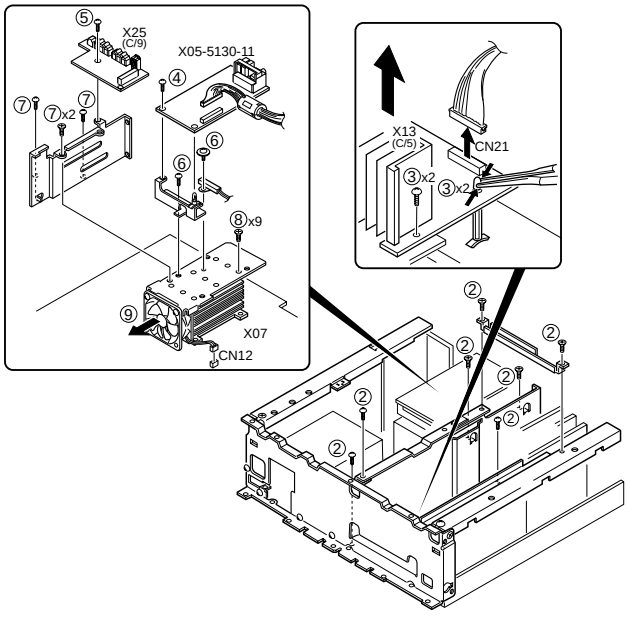
HOW TO REMOVE THE FRONT PANEL AND THE MOTOR.

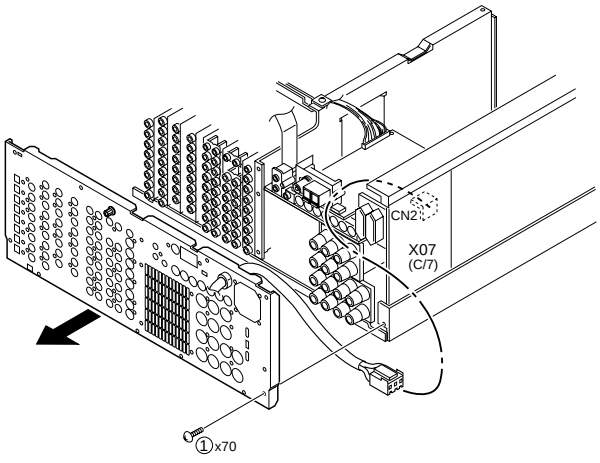
1. Take out the connectors (①) {X07,CN1/X13(CN7,CN8)} and the AC connetor(②).
2. Take the lead (③) out of CN301 on X11(A/4) PCB.
3. Take out the screws (④) and (⑤).
4. The front panel can be separated by removing 2 hooks (⑥) on the sub panel.
5. To separate the motor from the front panel, remove the screws (⑦).

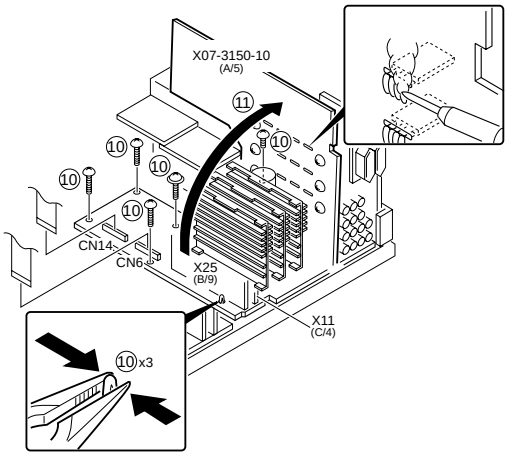


HOW TO REPLACE THE POWER TRANSISTOR.

1. The rear panel can be separated by removing screws (①) on the rear panel.
2. Take the AC connector out of CN2 on the X07(C/7).
3. To separate the chassis from bottom chassis, remove the screws (②).
4. Remove CN21 and screws (③) on X13(C/5).
5. Remove screws (④ to ⑦).
6. The fan motor can be separated by removing screws (⑧) and the connector (CN12) on X07 PCB.
7. Take the PCB {X25(B/9), X11(C/4)} out of X07.
8. To separate the main PCB (X07) from the bottom chassis, remove screws (⑩).
9. Set up the PCB as figure (⑪).
10. Replace the defective transistors.







CIRCUIT DESCRIPTION

1. Initialization

1-1 The Initial Setting

• Insert the power cord to AC wall outlet by pressing the "POWER" key.

1-2 The Initial Condition

- Power On/Off : Off
- Volume Level : -66dB
- Audio Input Selector : TUNER
- Video Signal Input Selector : VIDEO1
- Remote Control Sensor : Data Front In

- Speaker A : On
- Speaker B : Off
- CD2/TAPE2 MONITOR : Off(TAPE MODE)
- Tone : Off
- Loudness : Off
- Display Mode : DEVICE+DGTL/ANLG
- Digital Rec Mode : Off
- Dimmer : Dimmer 1
- Input Mode : DGTL/ANLG-AUTO
- Digital Rec Mode : Off
- HDCD/DRIVE : HDCD/DRIVE AUTO
- Surround Mode : Stereo
- Room Size : Medium
- Wall Type : Medium
- Effect Level : 3

- Midnight Mode : Off
- Distance : FL/FR :10ft
  : C :10ft
  : RS/LS : 5ft
  : SW :10ft
- Front Speaker : Large
- Center Speaker : Normal
- Surround Speaker : Normal
- Subwoofer : On
- SW Re-Mix : OFF
- Input Level : 0dB
- Each Speaker Level : 0dB
- Tone Bass : 0
- Tone Treble : 0

- Tuning Mode : Auto
- Preset Memory : Test frequency
- Last Band : FM
- FM Last Frequency : 87.5MHz (OTHER THAN)
  : 76.0MHz (J)
- AM Last Frequency : 531kHz (CH.SP 9kHz)
  : 530kHz (CH.SP 10kHz)
- Last P.ch : 「--ch」

2. Destination List of Tuner

0 : Pull down,1:Pull up

SET TYPE	TYPE	BAND	RECEIVING FREQUENCY RANGE	CHANNEL SPACE	IF	PLL		DIODE SW(X13) ※1			
								DSW3 (R282,R285)	DSW2 (R292,R279)	DSW1 (R296,R284)	DSW0 (R297,R288)
K, P, R	K1 1700	FM	87.5MHz-108.0MHz	100kHz	+10.7MHz	25kHz		0	0	0	0
		AM	530kHz-1700kHz	10kHz	+450kHz	10kHz					
Y, M, I, C, V	K2 1610	FM	87.5MHz-108.0MHz	100kHz	+10.7MHz	25kHz		0	0	1	1
		AM	530kHz-1610kHz	10kHz	+450kHz	10kHz					
Y	K3 1610 RBDS	FM	87.5MHz-108.0MHz	100kHz	+10.7MHz	25kHz		0	0	1	0
		AM	530kHz-1610kHz	10kHz	+450kHz	10kHz					
K, P	K4 1700 RBDS	FM	87.5MHz-108.0MHz	100kHz	+10.7MHz	25kHz		1	0	1	0
		AM	530kHz-1700kHz	10kHz	+450kHz	10kHz					
Y, M, I, C, V, E, X, H	E1	FM	87.5MHz-108.0MHz	50kHz	+10.7MHz	25kHz		0	0	0	1
		AM	531kHz-1602kHz	9kHz	+450kHz	9kHz					
T	E2 LW	FM	87.5MHz-108.0MHz	50kHz	+10.7MHz	25kHz		0	1	0	0
		MW	531kHz-1602kHz	9kHz	+450kHz	9kHz					
		LW	153kHz-279kHz	9kHz	+450kHz	9kHz					
E, T	E3 RDS	FM	87.5MHz-108.0MHz	50kHz	+10.7MHz	25kHz		0	1	0	1
		AM	531kHz-1602kHz	9kHz	+450kHz	9kHz					
T	E4 LW RDS	FM	87.5MHz-108.0MHz	50kHz	+10.7MHz	25kHz		0	1	1	0
		MW	531kHz-1602kHz	9kHz	+450kHz	9kHz					
		LW	153kHz-279kHz	9kHz	+450kHz	9kHz					
Q	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					
Q	Q2 RDS	FM L	65.0MHz-74.0MHz	10kHz	+10.7MHz	5kHz		1	1	0	0
		FM H	87.5MHz-108.0MHz	50kHz	+10.7MHz	5kHz					
		MW	531kHz-1602kHz	9kHz	+450kHz	9kHz					
		LW	153kHz-279kHz	9kHz	+450kHz	9kHz					
Y, M, I, C, V	M	K2/E1 are switched by DSW1. (DSW1 = 1:K2type, 0: E1type)						0	0	X	1
Y	Y RBDS	K3/E1 are switched by DSW0. (DSW0 = 0:K3type, 1: E1type)					X	0	0	1	X

※1 DIODE SW(DSWx) : 0 = NO DIOE(1 = WITH DIODE
X = TRANSISTOR SW(0=OFF/1=ON)

CIRCUIT DESCRIPTION

3. Test Mode

3-1 Entering the Test Mode

・While pressing the "INPUT SELECTOR DOWN" key, plug the power cord into AC wall outlet.

3-2 Cancelling the Test Mode

・Initialized and cancel the test mode if pulling out the power cord.

・Not initialized and cancel the test mode if the power switch turns off.

3-3 Contents of the Test Mode

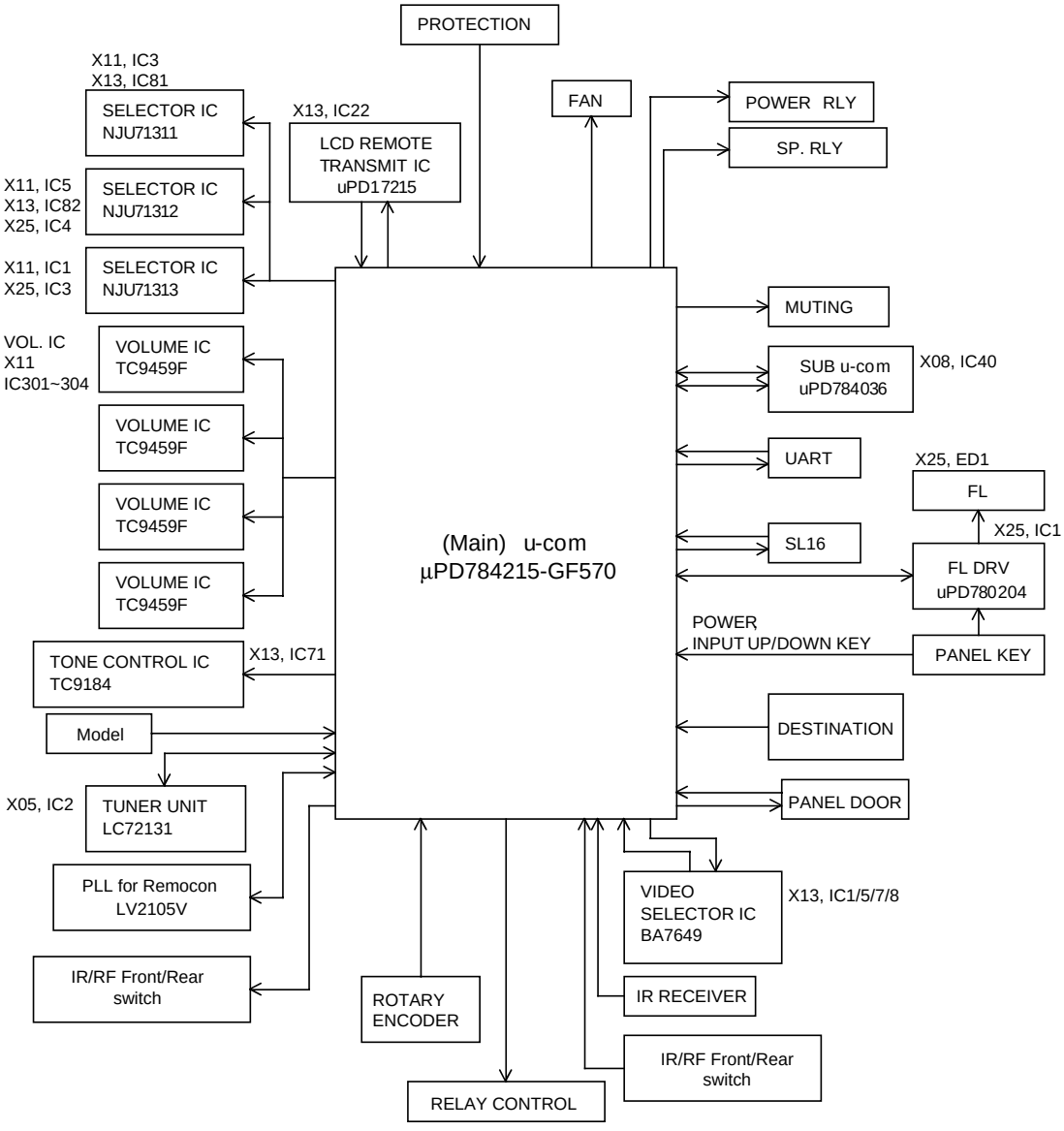
3-3-1 Key Operation

✻The following operation is available when the FL is all lighting up mode only.

KEY	OPERATION	DISPLAY
SOUND	Set up the RF frequency to 411.3MHz.	RF 417.3MHz
LISTEN MODE	Set up the RF frequency to 414.3MHz.	RF 414.3MHz
INPUT MODE	Set up the RF frequency to 411.3MHz.	RF 417.3MHz
SET UP	Indicates Tuner destination on the FL.	EX. TYPE E1→TYPE E2
MEMORY	Changed dimmer off/1/2cyclically.	All FL light on→ALL FL light off
BAND KEY	Indicates the u-com version.	EX. Ver . XXXXXX-X

4. Main Microprocessor : uPD784215-GF570 (X13, IC23)

4-1 Main Microprocessor Periphery Block Diagram



4-2 Pin Description of Main Microprocessor

Pin No.	Pin Name	I/O	Description
1-8	REM_D0-D7	O	LCD ROMOTE DATA OUT (0-7)
9	VDD	-	+5V POWER SUPPLY
10	VOL_DATA	O	VOLUME IC DATA OUT
11	VOL_CLK	O	VOLUME IC CLOCK
12	VOL_STB	O	VOLUME IC STROBE
13	TONE_STB	O	TONE IC STROBE
14	VOL/TONE/SEL_DATA	O	TONE/SELECTOR IC DATA OUT
15	VOL/TONE/SEL_CLK	O	TONE/SELECTOR IC CLOCK
16-18	SEL_STB1-3	O	SELECTOR IC STROBE1-3
19	MODEL1	I	DISCRIMINATION SW1 FOR MODEL
20	MODEL2	I	DISCRIMINATION SW2 FOR MODEL
21	RF_PLL_CE	O	PLL(V2105V)CE FOR RF REMOTE CONTROL
22	VPP TEST	-	CONNECTED TO GND
23	STEREO	I	PLL(LC72131) STEREO
24	SD	I	PLL(LC72131) SD
25	[RF] PLL_CLK	O	PLL(LC72131) CLOCK RF REMOTE CONTROL(V2105V) CLOCK
26	[RF] PLL_DATA	O	PLL(LC72131) DATA RF REMOTE CONTROL PLL(V2105V) DATA
27	PLL_DO	I	PLL(LC72131) DO
28	PLL_CE	O	PLL(LC72131) CE
29	T_MUTE	O	TUNER MUTE
30	RELAY_CONT	O	RELAY CONTROL OUTPUT(REFER TO 5. SW CONTROL)
31-33	P_MACRO_A-C	O	PERFECT MACRO (A-C)
34	TV_SENS	I	TV SIGNAL DETECTION
35	ENC_A	I	VOLUME ENCODER INPUT A
36	ENC_B	I	VOLUME ENCODER INPUT B
37	VDD	-	+5V POWER SUPPLY
38	X2	O	12.5MHz OSCILLATOR
39	X1	I	12.5MHz OSCILLATOR
40	VSS	-	GND
41	XT2	-	UNUSED
42	XT1	-	CONNECTED TO GND
43	RESET	I	MAIN u-COM RESET
44	CE	I	CHIP ENABLE
45	DSW1	I	TUNER DESTINATION SW1
46	DSW2	I	TUNER DESTINATION SW2
47	POWER_KEY_IN	I	POWER KEY INPUT
48	RDS_CLOCK	I	RDS SYNCHRONIZED CLOCK
49	REM1	I	REMOTE CONTROL SIGNAL INPUT1 (FRONT PANEL)
50	REM2	I	REMOTE CONTROL SIGNAL INPUT (IR RECEIVER)
51	AVDD	-	+5V POWER SUPPLY
52	AVREF	-	+5V POWER SUPPLY
53	CLOSE_SENS	I	CLOSE SENSOR(PANEL DOOR)
54	OPEN_SENS	I	OPEN SENSOR(PANEL DOOR)
55	P_MACRO_IN	I	PERFECT MACRO INPUT
56	THERM_SW	I	THERMAL SW CHANGEOVER
57	S_LEVEL	I	RDS SIGNAL LEVEL INPUT
58	RDS_DATA	I	RDS SYNCHRONIZED DATA
59	DSW0	I	TUNER DESTINATION SW0
60	INPUT_DOWN_KEY_IN	I	INPUT DOWN KEY INPUT
61	AVSS	-	CONNECTED TO GND
62	S_DATA	I/O	SL16 DATA
63	S BUSY	I/O	SL16 BUSY
64	AVREF	-	+5V POWER SUPPLY
65	TEXT_RX	I	CD TEXT UART COMMUNICATION DATA IN
66	TEXT_TX	O	CD TEXT UART COMMUNICATION DATA OUT
67	SUB RESET	O	SUB u-COM RESET PORT
68	FL_DIN	I	FL DRIVER (uPD780204) DATA IN
69	FL_DOUT	O	FL DRIVER (uPD780204) DATA OUT
70	FL_CLK	O	FL DRIVER (uPD780204) CLOCK
71	FL_RST	O	FL DRIVER (uPD780204) RESET
72	FL_STB	O	FL DRIVER (uPD780204) STROBE
73	SDT	I	DATA COMMUNICATION BETWEEN MAIN & SUB u-COM
74	MDT	O	DATA COMMUNICATION BETWEEN MAIN & SUB u-COM
75	MCK	O	SUB u-COM CLOCK OUTPUT
76	MREQ	O	COMMUNICATION MASTER REQUEST BETWEEN MAIN & SUB u-COM
77	SREQ	I	COMMUNICATION SLAVE REQUEST BETWEEN MAIN & SUB u-COM
78	10dB CTL	O	-10dB AMP CHANGEOVER (AMP ON:H)
79	SW MUTE	O	SPEAKER S/W MUTE
80	MUTE	O	PREOUT SURROUND MUTE
81	B_MUTE	O	PREOUT B MUTE(ROOM B)
82	A_MUTE	O	ROOM A MUTE
83	DSW3	I	TUNER DESTINATION SW3
84	RELAY_CS	O	CENTER/SURROUND SP. RELAY CONTROL
85	RELAY_B	O	SP.B RELAY CONTROL
86	RELAY_A	O	SP.A RELAY CONTROL
87	RELAY_TR	O	TRANSFORMER TAP CHANGEOVER
88	POWER	O	POWER RELAY CONTROL
89	FAN_H/L	O	FAN MOTOR (H/L) CONTROL
90	FAN_ON/OFF	O	FAN MOTOR (ON/OFF)CONTROL
91	10W	I	10W DETECTION PORT
92	1W	I	1W DETECTION PORT
93	IR SELECT	O	IR REMOTE CONTROL SENSOR CONTROL
94	V_PROT	I	VOLTAGE DETECTION FOR PROTECTION
95	I_PROT	I	CURRENT DETECTION FOR PROTECTION
96	STBY_LED	O	STANDBY LED CONTROL
97	REM_RWR	I	LCD REMOTE RWR
98	REM_ENB	I	LCD REMOTE ENABLE
99	REM_REQ	O	LCD REMOTE REQUEST
100	VSS	-	CONNECTED TO GND

5. Switch Control

5-1 Fan Control (X13, IC23)

	10W(91Pin)	1W(92Pin)	THERM SW(56Pin)	FAN ON/OFF(90Pin)	FAN H/L(89Pin)
FAN STOP	H	H	L	0	1
FAN LOW SPEED	H	L	L	1	1
FAN HI SPEED	L	L	L	1	0
FAN LOW SPEED	H	H	H	1	1
	H	L	H	1	1
FAN HI SPEED	L	L	H	1	0

5-2 Door Open/Close Control : FL Driver(X25,IC1)

	DOOR OUT1(42Pin)	DOOR OUT2(41Pin)
OPEN	1	0
CLOSE	0	1
STOP	0	0
BREAK	1	1

5-3 Open Close Sensor (X13,IC23 Main u-COM)

	OPEN SENS(54)	CLOSE SENS(53)
END OF OPEN ACTION	0	1
END OF CLOSE ACTION	1	0

CIRCUIT DESCRIPTION

5-4 Relay Control :X13,IC23(Main u-COM)

	RELAY CONT. (Pin 30)
PHONO	0
TUNER	
CD1	
MD/TAPE1	
CD-R	
CD2/TAPE2 MONITOR	
VIDEO1	1
VIDEO2	
VIDEO3	
VIDEO4	
DVD	
AV AUX	

5-5 IR Remote Control Sensor Control

		Pin7 (X11,IC201)	Pin6 (X11,IC201)	IR_SELECT (Pin 93 of X13 IC23)
WITH RF VERSION	RF ON	×	○	0
	RF OFF	○	×	1
WITHOUT RF VERSION	FRONT IR ON	×	○	0
	FRONT IR OFF	○	×	1

5-6 P MACRO A,B,C(X13,IC23)

	P MACRO A(Pin31)	P MACRO B(Pin32)	P MACRO C(Pin33)
VIDEO1	0	0	0
VIDEO2	0	1	0
VIDEO3	1	0	0
VIDEO4	1	1	0
DVD	0	0	1

	P MACRO IN(55)
SIGNAL(YES)	H
SIGNAL(NO)	L

	TV SENS(34)
TV POWER ON	H
TV POWER OFF	L

5-7 A Input Selector

	X25 IC3 ST1 NJU7313							
	L1	L2	L3	L4	L5	L6	L7	L8
	R1	R2	R3	R4	R5	R6	R7	R8
6ch INPUT	×	×	×	×	×	×	○	○
	×	×	×	×	×	×	○	○
OTHER THAN 6ch INPUT								
	×	×	×	×	×	×	○	○
VIDEO1	×	×	×	×	×	×	○	○
Room A	×	×	×	×	×	×	○	○
VIDEO2	×	×	×	×	×	×	○	○
Room A	×	×	×	×	×	×	○	○
VIDEO3	×	×	×	×	×	×	○	○
Room A	×	×	×	×	×	×	○	○
VIDEO4	×	×	×	×	×	×	○	○
AV AUX	×	×	×	×	×	×	○	○
	×	×	×	×	×	×	○	○
Room A	×	×	×	×	×	×	○	○
DVD	×	×	×	×	×	×	○	○
PHONO	○	×	×	×	×	×	○	○
	○	×	×	×	×	×	○	○
Room A	×	○	×	×	×	×	×	○
TAPE1/MD	×	○	×	×	×	×	×	○
Room A	×	×	○	×	×	×	○	○
CD1	×	×	○	×	×	×	○	○
Room A	×	×	×	○	×	×	○	×
CD-R	×	×	×	○	×	×	○	×
Room A	×	×	×	×	○	×	○	○
TUNER	×	×	×	×	○	×	○	○
Room A	×	×	×	×	×	×	○	○
CD2	×	×	×	×	×	×	○	○
DIGITAL REC	×	×	×	×	×	×	–	–
	×	×	×	×	×	×	–	–

X25,IC3			
	Pin No.		Pin No.
L1	2	R1	29
L2	3	R2	28
L3	4	R3	27
L4	5	R4	26
L5	7	R5	24
L6	8	R6	23
L7	10	R7	21
L8	11	R8	20

X25,IC4			
	Pin No.		Pin No.
L1	2	R1	29
L2	3	R2	28
L3	4	R3	27
L4	6	R4	25
L5	7	R5	24
L6	8	R6	23
L7	10	R7	21
L8	11	R8	20

5-8 B Input Selector

	X25 IC4 ST1 NJU7312							
	L1	L2	L3	L4	L5	L6	L7	L8
	R1	R2	R3	R4	R5	R6	R7	R8
Room B	×	×	×	×	×	×	×	–
VIDEO1	×	×	×	×	×	×	×	–
Room B	×	×	×	×	×	×	×	–
VIDEO2	×	×	×	×	×	×	×	–
Room B	×	×	×	×	×	×	×	–
VIDEO3	×	×	×	×	×	×	×	–
Room B	×	×	×	×	×	×	×	–
VIDEO4	×	×	×	×	×	×	×	–
Room B	×	×	×	×	×	×	×	–
DVD	×	×	×	×	×	×	×	–
Room B	○	×	×	×	×	×	×	–
TAPE1/MD	○	×	×	×	×	×	×	–
Room B	×	×	×	○	×	×	×	–
CD2	×	×	×	○	×	×	×	–
Room B	×	○	×	×	×	×	×	–
CD1	×	○	×	×	×	×	×	–
Room B	×	×	○	×	×	×	×	–
CD-R	×	×	○	×	×	×	×	–
Room B	×	×	×	×	○	×	×	–
TUNER	×	×	×	×	○	×	×	–
CD2(IN CD2/TAPE2 MODE)	–	–	–	–	–	×	×	×
	–	–	–	–	–	×	×	×
TAPE2(IN CD2/TAPE2 MODE)	–	–	–	–	–	×	×	○
	–	–	–	–	–	×	×	○

CIRCUIT DESCRIPTION

5-9 ROOM A IC

	X11 IC1 VTS NJU7313							
	L 1	L 2	L 3	L 4	L 5	L 6	L 7	L 8
	R 1	R 2	R 3	R 4	R 5	R 6	R 7	R 8
6ch INPUT	×	×	×	×	○	×	○	×
	×	×	×	×	○	×	○	×
DIGITAL REC	×	×	×	×	×	×	○	×
	×	×	×	×	×	×	○	×
OTHER THAN 6ch INPUT/DIGITAL REC								
Room A VIDEO1	○	×	×	×	×	×	–	–
	○	×	×	×	×	×	–	–
Room A VIDEO2	×	○	×	×	×	×	–	–
	×	○	×	×	×	×	–	–
Room A VIDEO3	×	×	○	×	×	×	–	–
	×	×	○	×	×	×	–	–
Room A VIDEO4	×	×	×	○	×	×	–	–
	×	×	×	○	×	×	–	–
AV AUX	×	×	×	×	×	○	–	–
	×	×	×	×	×	○	–	–
Room A DVD	×	×	×	×	○	×	–	–
	×	×	×	×	○	×	–	–
PHONO	×	×	×	×	×	×	–	–
	×	×	×	×	×	×	–	–
Room A TAPE1/MD	×	×	×	×	×	×	–	–
	×	×	×	×	×	×	–	–
Room A CD2	×	×	×	×	×	×	–	–
	×	×	×	×	×	×	–	–
Room A CD1	×	×	×	×	×	×	–	–
	×	×	×	×	×	×	–	–
Room A CD-R	×	×	×	×	×	×	–	–
	×	×	×	×	×	×	–	–
Room A TUNER	×	×	×	×	×	×	–	–
	×	×	×	×	×	×	–	–
Room A TAPE2 MONITOR	–	–	–	–	–	–	×	○
	–	–	–	–	–	–	×	○
Room A TAPE2 MONITOR OFF	–	–	–	–	–	–	○	×
	–	–	–	–	–	–	○	×

5-10 REC OUT/INPUT LEVEL SEL

	X11 IC3 VTS NJU7311						
	L 1	L 2	L 3	L 4	L 5	L 6	L 7
	R 1	R 2	R 3	R 4	R 5	R 6	R 7
6ch INPUT	○	○	×	×	○	×	×
	○	○	×	×	○	×	×
OTHER THAN 6ch INPUT							
Room A VIDEO1	×	○	–	–	–	–	–
	×	○	–	–	–	–	–
Room A VIDEO2	○	×	–	–	–	–	–
	○	×	–	–	–	–	–
Room A VIDEO3	○	○	–	–	–	–	–
	○	○	–	–	–	–	–
Room A VIDEO4	○	○	–	–	–	–	–
	○	○	–	–	–	–	–
AV AUX	○	○	–	–	–	–	–
	○	○	–	–	–	–	–
Room A DVD	○	○	–	–	–	–	–
	○	○	–	–	–	–	–
PHONO	○	○	–	–	–	–	–
	○	○	–	–	–	–	–
Room A PAPE1/MD	○	○	–	–	–	–	–
	○	○	–	–	–	–	–
Room A CD2	○	○	–	–	–	–	–
	○	○	–	–	–	–	–
Room A TAPE2 MONITOR	○	○	–	–	–	–	–
	○	○	–	–	–	–	–
Room A CD1	○	○	–	–	–	–	–
	○	○	–	–	–	–	–
Room A CD-R	○	○	–	–	–	–	–
	○	○	–	–	–	–	–
Room A TUNER	○	○	–	–	–	–	–
	○	○	–	–	–	–	–
INPUT LEVEL AT 0dB	–	–	×	×	○	×	–
	–	–	×	×	○	×	–
INPUT LEVEL AT –3dB	–	–	○	×	×	○	–
	–	–	○	×	×	○	–
INPUT LEVEL AT –6dB	–	–	×	○	×	○	–
	–	–	×	○	×	○	–
DIGITAL REC	–	–	–	–	–	–	○
	–	–	–	–	–	–	○

5-11 ROOM B IC

	X11 IC5 VTS NJU7312							
	L 1	L 2	L 3	L 4	L 5	L 6	L 7	L 8
	R 1	R 2	R 3	R 4	R 5	R 6	R 7	R 8
Room B VIDEO1	○	×	×	×	×	×	–	–
	○	×	×	×	×	×	–	–
Room B VIDEO2	×	○	×	×	×	×	–	–
	×	○	×	×	×	×	–	–
Room B VIDEO3	×	×	○	×	×	×	–	–
	×	×	○	×	×	×	–	–
Room B VIDEO4	×	×	×	○	×	×	–	–
	×	×	×	○	×	×	–	–
Room B DVD	×	×	×	×	○	×	–	–
	×	×	×	×	○	×	–	–
Room B TAPE1/MD	×	×	×	×	×	×	–	–
	×	×	×	×	×	×	–	–
Room B CD2/TAPE2 MONITOR	×	×	×	×	×	×	–	–
	×	×	×	×	×	×	–	–
Room B CD1	×	×	×	×	×	×	–	–
	×	×	×	×	×	×	–	–
Room B CD-R	×	×	×	×	×	×	–	–
	×	×	×	×	×	×	–	–
Room B TUNER	×	×	×	×	×	×	–	–
	×	×	×	×	×	×	–	–
TEST TONE	–	–	–	–	–	×	○	×
	–	–	–	–	–	×	○	×
(SP. B ON)ROOM B MODE	–	–	–	–	–	×	×	○
	–	–	–	–	–	×	×	○
UNUSED ROOM B OR SP. B OFF	–	–	–	–	–	×	○	×
	–	–	–	–	–	×	○	×

X11,IC1			
	Pin No.		Pin No.
L1	29	R1	2
L2	28	R2	3
L3	27	R3	4
L4	26	R4	5
L5	24	R5	7
L6	23	R6	8
L7	21	R7	10
L8	20	R8	11

X11,IC3			
	Pin No.		Pin No.
L1	29	R1	2
L2	28	R2	3
L3	26	R3	5
L4	25	R4	6
L5	23	R5	8
L6	22	R6	9
L7	20	R7	11

X11,IC5			
	Pin No.		Pin No.
L1	29	R1	2
L2	28	R2	3
L3	27	R3	4
L4	25	R4	6
L5	24	R5	7
L6	23	R6	8
L7	21	R7	10
L8	20	R8	11

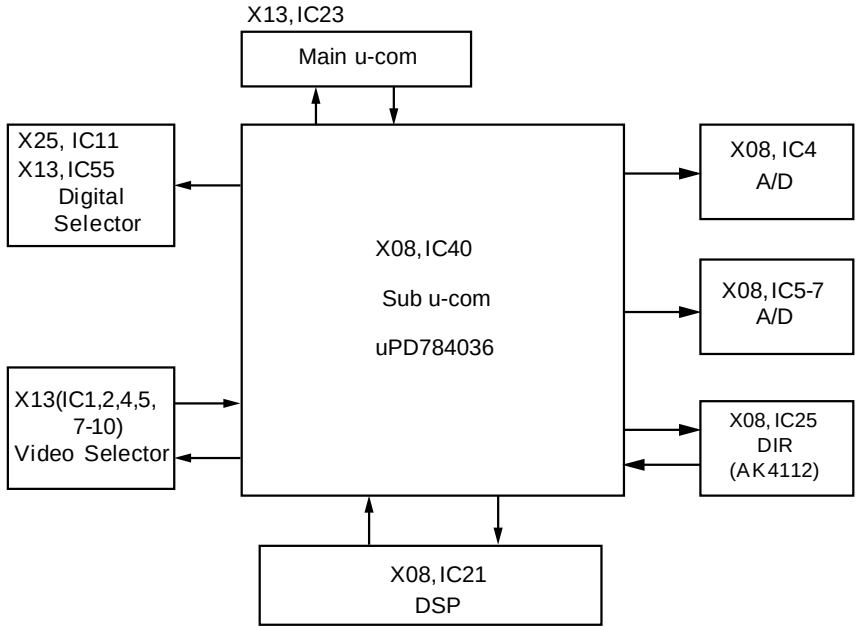
CIRCUIT DESCRIPTION

5-12 Volume IC : TC9459F(X11,IC301-304)

CHIP SELECT CODE		OUTPUT PORT	CHANNEL
CS1(9Pin)	CS2(16Pin)		
L	L	Lch	Room A Rch
		Rch	Room A Lch
H	L	Lch	Room A RSch/Sp. B Rch
		Rch	Room A LSch/Sp. B Lch
L	H	Lch	Room A SWch
		Rch	Room A Cch
H	H	Lch	Room B Rch
		Rch	Room B Lch

6. Sub Microprocessor : uPD784036(X08,IC40)

6-1 Sub Microprocessor Periphery Block Diagram



6-2 Pin Description

Pin No.	Pin Name	I/O	Description
1	$\overline{\text{DIR\_PD}}$	O	DIR Power Down
2	DIR_CS	O	DIR Chip Select
3	$\overline{\text{REC\_6dB}}$	O	REC Gain Changeover(When HDCD +6dB) H : +6dB on
4	CTRL_A	O	Video Selector Control A(9993)
5	CTRL_B	O	Video Selector Control B(9993)
6	FSC_CTRL	O	Video Selector FSC Control(9993)
7	$\overline{\text{RESET}}$	I	Reset in
8	VDD		+5V Power Supply
9	X2	-	8.0MHz Oscillator
10	X1	-	8.0MHz Oscillator
11	VSS	-	Connected to GND
12	COMP_A_A	O	Composite Select RoomA A
13	COMP_A_B	O	Composite Select RoomA B
14	COMP_A_C	O	Composite Select RoomA C
15	COMP_A_D	O	Composite Select RoomA D
16	COMP_A_E	O	Composite Select RoomA E
17	COMP_B_A	O	Composite Select RoomB A
18	COMP_B_B	O	Composite Select RoomB B
19	COMP_B_E	O	Composite Select RoomB E
20	VSEL	O	VSEL

CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description
21	$\overline{\text{SUB\_MUTE}}$	O	Sub Microcomputer Analog Mute
22	$\overline{\text{DAIN\_MUTE}}$	I	DAC Input Mute
23	NC	I	Unused
24	PCM ZERO	I	PCM Zero Data Detection(KPCM)
25	$\overline{\text{D.R.I.V.E.}}$	O	DSP DRIVE/HDCD Control(KPCM) L: DRIVE/HDCD on
26	HDCD_6dB	I	DSP HDCD +6dB Detection
27	OVER_LEVEL	I	DSP Over Level Detection
28	DTS_SENS	I	DSP DTS Header Detection(KPCM)
29	$\overline{\text{MUTE}}$	O	DSP Mute Control
30	HDCD	I	DSP HDCD Signal Detection
31	BUSY	I	DSP Status BUSY
32	$\overline{\text{DSP\_RESET}}$	O	DSP IC Reset
33	$\overline{\text{RD}}$/WR	O	DSP $\overline{\text{RD}}$/WR
34	$\overline{\text{REQ}}$	O	DSP $\overline{\text{REQ}}$
35	$\overline{\text{ACK}}$	I	DSP $\overline{\text{ACK}}$
36-43	DATA_7-0	I/O	DSP DATA_7-0
44	NC	-	Unused
45	GND	-	Connected to GND
46	TEST	-	Connected to GND
47	MREQ	I	Main Computer Master Request
48	SREQ	O	Main Computer Slave Request
49	MCK	I	Main Computer Master Clock
50	MDT	I	Main Computer Master Data
51	SDT	O	Main Computer Slave Data
52	Y_C_SEL_B	O	Y/C Select B
53	Y_C_SEL_A	O	Y/C Select A
54	DAC96	O	DAC Double speed sampling mode control
55	VDD	-	+5V Power Supply
56-58	DSEL_C-A	O	Digital Input Selector Control C-A
59	CTRL_A2	O	Video Selector Control A2
60	OPT_DET	O	OPTICAL Digital Input Detection (A/Din)
61	$\overline{\text{AD\_RESET}}$	O	ADC Reset
62	$\overline{\text{DAOUT\_MUTE}}$	O	DAC Output Mute
63	$\overline{\text{DAC\_PD}}$	O	DAC Power Down
64,65	VDD	-	+3.3V Power Supply
66	GND	-	Connected to GND
67,68	NC	-	Unused
69,70	VCC		+3.3V Power Supply
71	-	-	Unused
72	Y_DETECT	I	Y Detect
73	ERF	I	DIR Error Flag
74	AUTO	I	DIR Auto Data Detection
75	FS96	I	DIR fs 96kHz Detection
76	CCLK	O	DIR Control Clock
77	C_K_DETECT	I	C K Detection
78	C_DETECT	I	C Detection
79	CDTO	I	DIR Control Data Out
80	CDTI	O	DIR Control Data In

CIRCUIT DESCRIPTION

7. Description of Digital Selector and Video Selector (X08, IC40)

7-1 Digital Selector

KRF-V9993D/VR-4900/VR4700/VR-4090 (for OPT and COAX)

Input	DSELA (58Pin)	DSELB (57Pin)	DSELC (56Pin)
CD1	L	H	L
MD/TAPE1	H	H	L
CD-R	L	L	H
VIDEO2	H	L	H
VIDEO3	L	H	H
VIDEO4	H	H	H
DVD	H	L	L
others	L	L	L

KRF-V7773D/ VR-4080

Input	DSELA (58Pin)	DSELB (57Pin)	DSELC (56Pin)
CD1(OPT)	L	H	L
VIDEO2(COAX)	L	H	L
VIDEO3(COAX)	H	H	L
DVD(OPT/COAX)	H	L	L
others	L	L	L

7-2 Video Selector

• VSEL(Pin20)

	VSEL
VIDEO1	L
VIDEO2	H
VIDEO3	H
VIDEO4	L
AV-AUX	L
DVD	L
V MUTE	L

• Y_C_SEL(Pin53,52)
Y_DETECT(Pin72) = H

	Y_C_SEL_A	Y_C_SEL_B
VIDEO1	L	H
VIDEO2	L	H
VIDEO3	L	H
VIDEO4	L	H
AV-AUX	L	H
DVD	H	L
V MUTE	H	H

Y_DETECT(Pin72) = L

	Y_C_SEL_A	Y_C_SEL_B
VIDEO1	L	L
VIDEO2	L	L
VIDEO3	L	L
VIDEO4	L	L
AV-AUX	L	L
DVD	L	L
V MUTE	H	H

• CTRL(Pin4,5,59)
C_DETECT(Pin78) = L

	CTRL_A	CTRL_A2	CTRL_B
VIDEO1	L	L	H
VIDEO2	L	L	H
VIDEO3	L	L	H
VIDEO4	L	L	L
AV-AUX	L	L	H
DVD	H	H	L
V MUTE	H	H	H

• C_DETECT(Pin78) = H
C_K_DET(Pin77) = L

	CTRL_A	CTRL_A2	CTRL_B
VIDEO1	L	L	H
VIDEO2	L	L	H
VIDEO3	L	L	H
VIDEO4	L	L	H
AV-AUX	L	L	H
DVD	L	L	H
V MUTE	H	H	H

C_K_DET(Pin77) = H

V_SEL	CTRL_A	CTRL_A2	CTRL_B
VIDEO1	L	H	H
VIDEO2	L	H	H
VIDEO3	L	H	H
VIDEO4	L	H	H
AV-AUX	L	H	H
DVD	L	H	H
V MUTE	H	H	H

• COMP_A(Pin11,12,13,14,15,16)
Y_DETECT(Pin72) = H

	COMP_A_A	COMP_A_B	COMP_A_C	COMP_A_D	COMP_A_E
VIDEO1	L	L	L	L	L
VIDEO2	H	H	L	L	L
VIDEO3	H	L	L	L	L
VIDEO4	L	H	H	L	L
AV-AUX	L	H	L	L	L
DVD	L	H	L	L	L
V MUTE	L	H	L	H	H

CIRCUIT DESCRIPTION

Y_DETECT(Pin72) = L

	COMP_A_A	COMP_A_B	COMP_A_C	COMP_A_D	COMP_A_E
VIDEO1	L	L	L	L	H
VIDEO2	H	H	L	L	H
VIDEO3	H	L	L	L	H
VIDEO4	L	H	H	L	H
AV-AUX	L	H	L	L	H
DVD	L	H	L	H	L
V MUTE	L	H	L	H	H

• COMP_B(Pin17,18,19)

	COMP_B_A	COMP_B_B	COMP_B_C
VIDEO1	H	H	H
VIDEO2	H	H	L
VIDEO3	L	H	L
VIDEO4	H	L	L
DVD	L	L	L

• KRF-V7773D/VR-4080

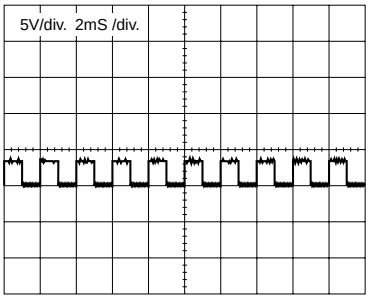
	COMP_A					Y_C_SEL			CTRL	
	A	B	C	D	E	A	B	V_SEL	A	B
VIDEO1	L	L	L	L	H	L	H	L	L	L
VIDEO2	H	H	L	L	H	L	H	L	L	L
VIDEO3	H	L	L	L	H	L	H	L	L	L
VIDEO4	L	H	H	L	H	L	H	L	L	L
AV-AUX	L	H	L	L	H	L	H	L	L	L
DVD	L	H	L	H	L	H	L	L	L	L
V MUTE	L	H	L	H	H	H	H	L	L	L

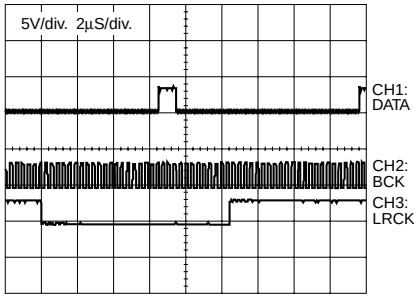
8. DSP IC: ADSP-21065L(X08,IC21) CHECK METHOD

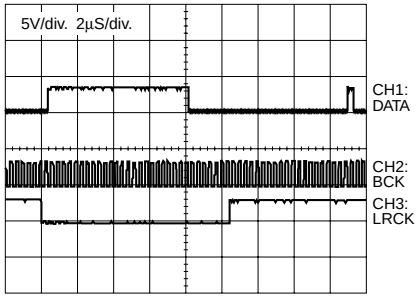
Note: This IC is scarcely damaged. Pay attention to poor soldering if replace it.

1. Set the selector to ANALOG(TAPE or TUNER). In this mode, Fs will be 48kHz.
2. Set the mode to JAZZ CLUB.
3. Check the square waveform which is 500Hz period at #76(FLG11) of IC. It is good if #76 has the waveform.
4. Check the waveform which is 30MHz at #30(CLKIN) of IC.
5. Check the voltage which is 3.3V at #157(RESET) of IC
6. Check the every ports which are 48MHz at #7(TFS0), #13(RFS1) and #18(TFS1) of IC
7. Check the every ports which are 3.07MHz at #8(TCLK0) and #15(RCLK1) of IC.
8. Check the waveform which are data at #16(DR1A) of IC. Refer to figures.

X08, IC21 (76pin)
FLG11 waveform in JAZZ club selected to TAPE.







DATA waveform will change figure by trigger as above.

Check the AD converter and DIR and oscillation circuitry if you can get no good at above steps.

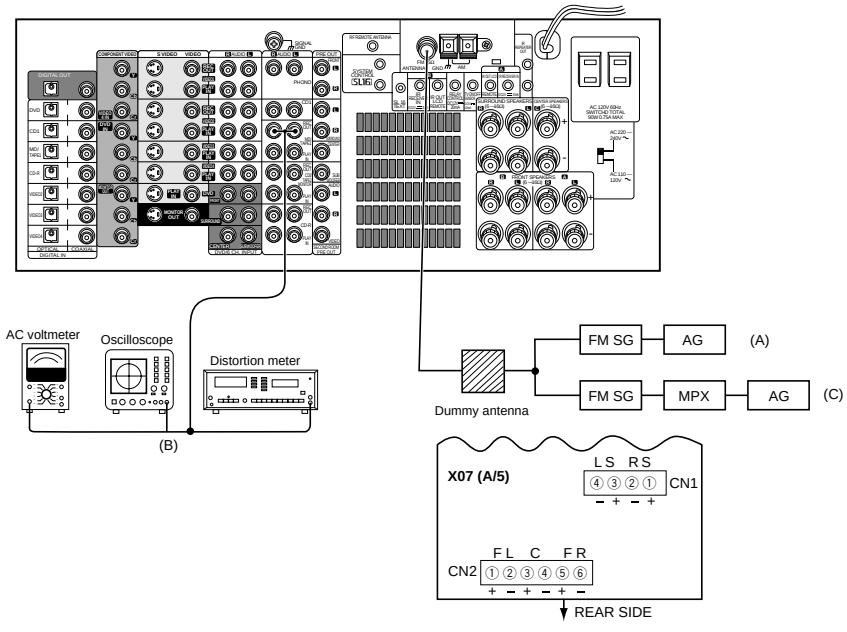
9. Check the waveform which are data at #11(DT0A), #12(DT0B) and #22(DT1A) of IC.
   Check the DA converter and so if you can get step9, too.

ADJUSTMENT

X05-513X-XX
X05-514X-XX

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 CN2 ① and CN2 ② (X05)	MONO 98.0MHz	L4 (X05-)	0V	
2	DISTORTION (MONO)	(A) 98.0MHz 1kHz, ±40kHz dev. MONO 70dBf (ANT. input)	(B)	MONO 98.0MHz	L5 (X05-)	Minimum distortion	
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 : A1) (X05-)	Minimum distortion (L or R)	
4	TUNING LEVEL	(A) 98.0MHz MONO 1kHz, ±40kHz dev. 30dBf (ANT. input)	–	MONO 98.0MHz	VR1 (X05-)	Adjust VR1 and stop at the point where ED1 (TUNED) goes on.	
AUDIO SECTION		**SPEAKER : A**		**PREOUT : OFF**		**PROLOGIC : ON**	
<1>	IDLE CURRENT	—	Connect a DC voltmeter across each T.P. CN2(①, ②) FLch CN2(③, ④) Cch CN2(⑤, ⑥) FRch CN1(①, ②) RSch CN1(③, ④) LSch X07(A/5)	(FRONT 2ch MODE) Volume:0	VR1(FL) VR2(FR) VR3(LS) VR4(RS) VR5(CENTER) (X09-)	10mV	

SYSTEM CONNECTIONS

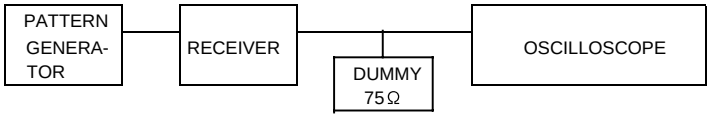


ADJUSTMENT

Adjustment of Sub Color and Contrast (X35, VR1, VR2)

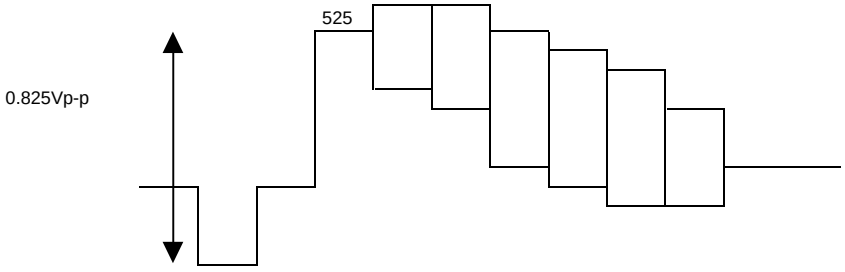
No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	ALIGNMENT POINTS	ALIGNMENT FOR	FIG.
1	SUB COLOR	PAL 75% COLOR BAR (NO SET UP)	Connect a component video output(Y) to oscilloscope with 75Ω.	VR2	(Adjust an amplitude of video signal.) 0.825Vp - p	FIG.1
2	CONTRAST	PAL 75% COLOR BAR (NO SET UP)	Connect a component video output(Cb,Cr) to oscilloscope with 75Ω.	VR1	(Adjust an amplitude of video signal.) ±0.525Vp - p	FIG.2

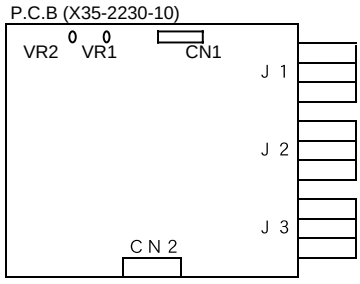
INSTRUMENTS CONNECTION



INPUT SIGNAL : 75% COLOR BAR SIGNAL

PARA METER		WHITE	YELLO	CYAN	GREEN	MAGENTA	RED	BLUE
LUMINANCE LEVEL	mV	525	465	368	308	217	157	60
	IRE							
CHROMA LEVEL	mV	0	470	664	620	620	664	470
	IRE							
CHROMA PHASE (deg)	+V		167	283	241	61	103	347
	-V		193	77	119	299	257	13





ADJUSTMENT OUTPUT SIGNAL :

FIG.1 Y LEVEL (VR 2)

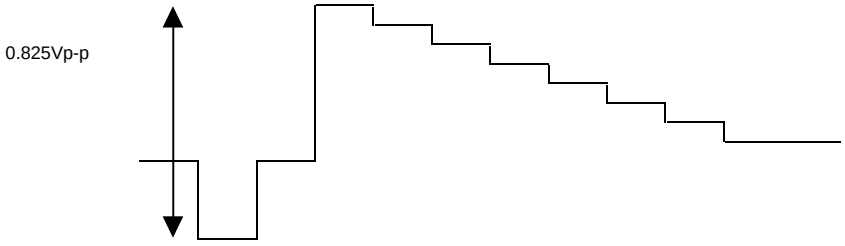
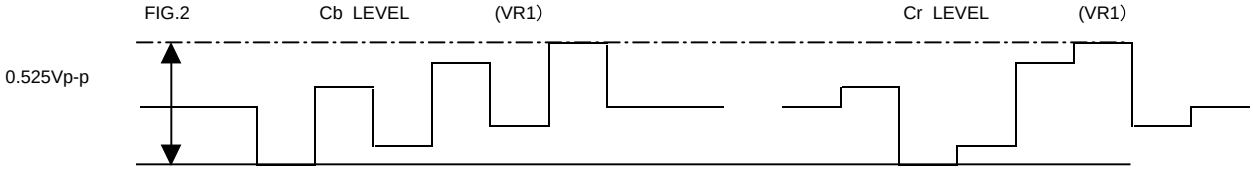
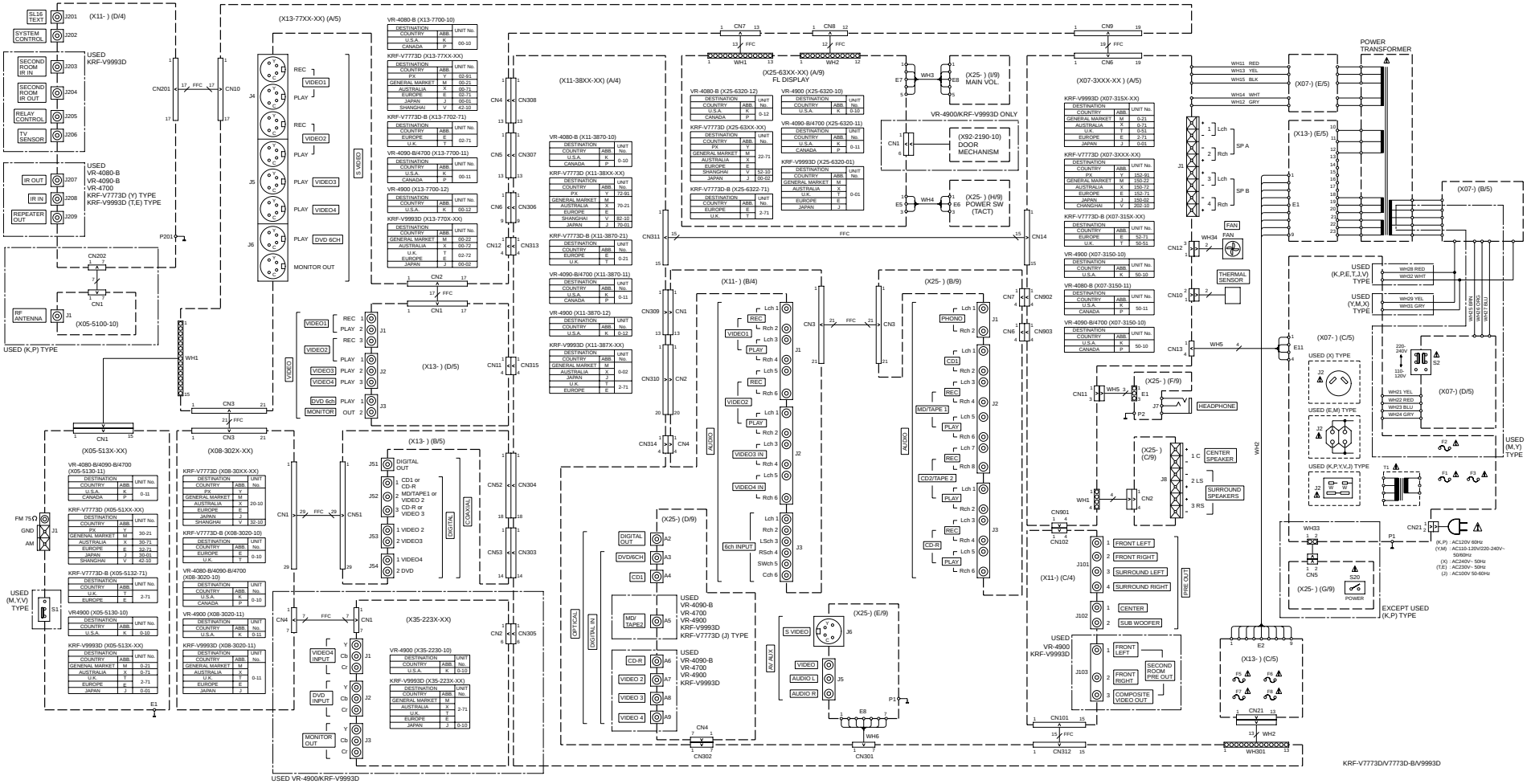


FIG.2 Cb LEVEL (VR1) Cr LEVEL (VR1)



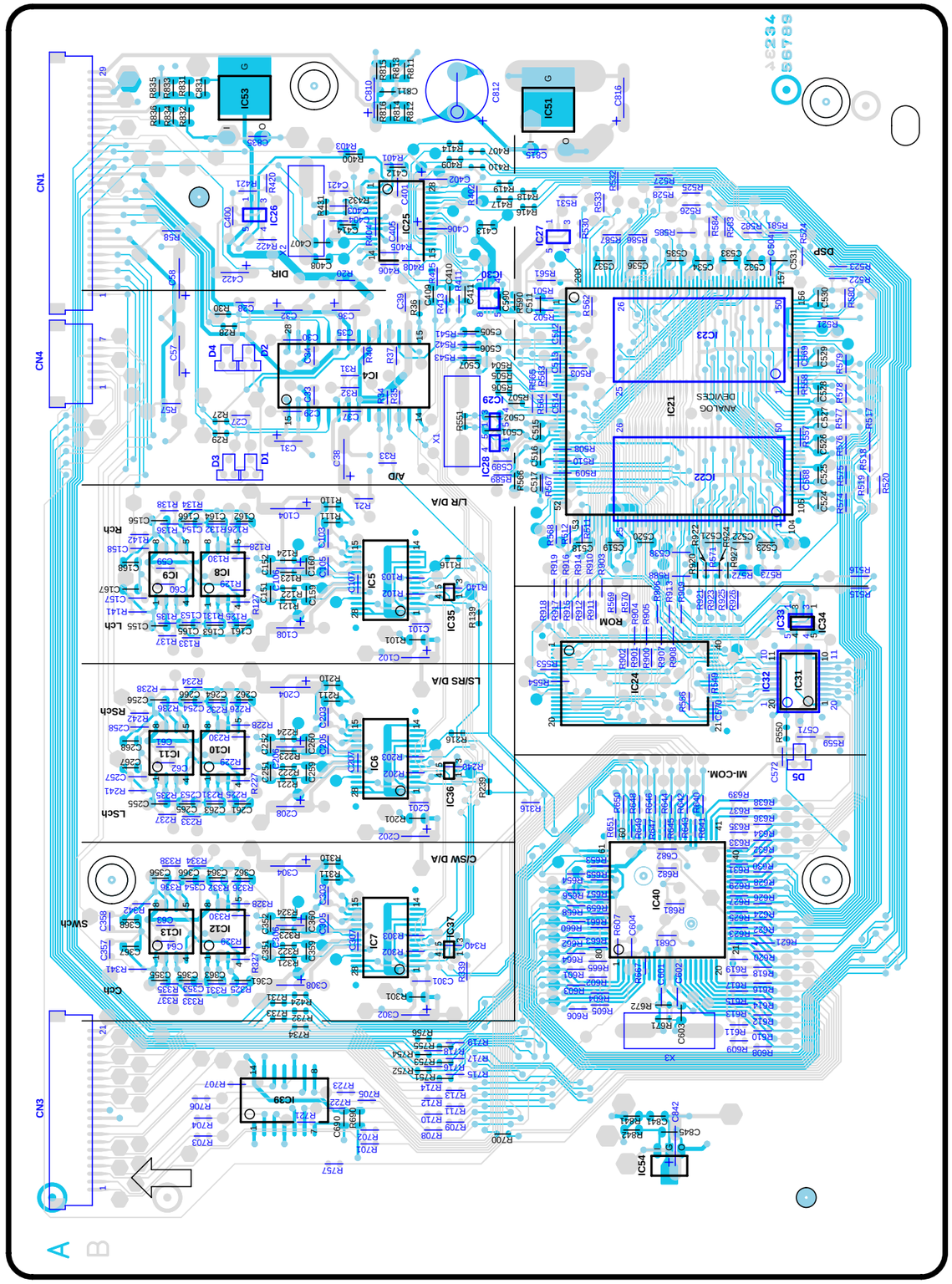
KRF-V7773D/V7773D-B/V9993D

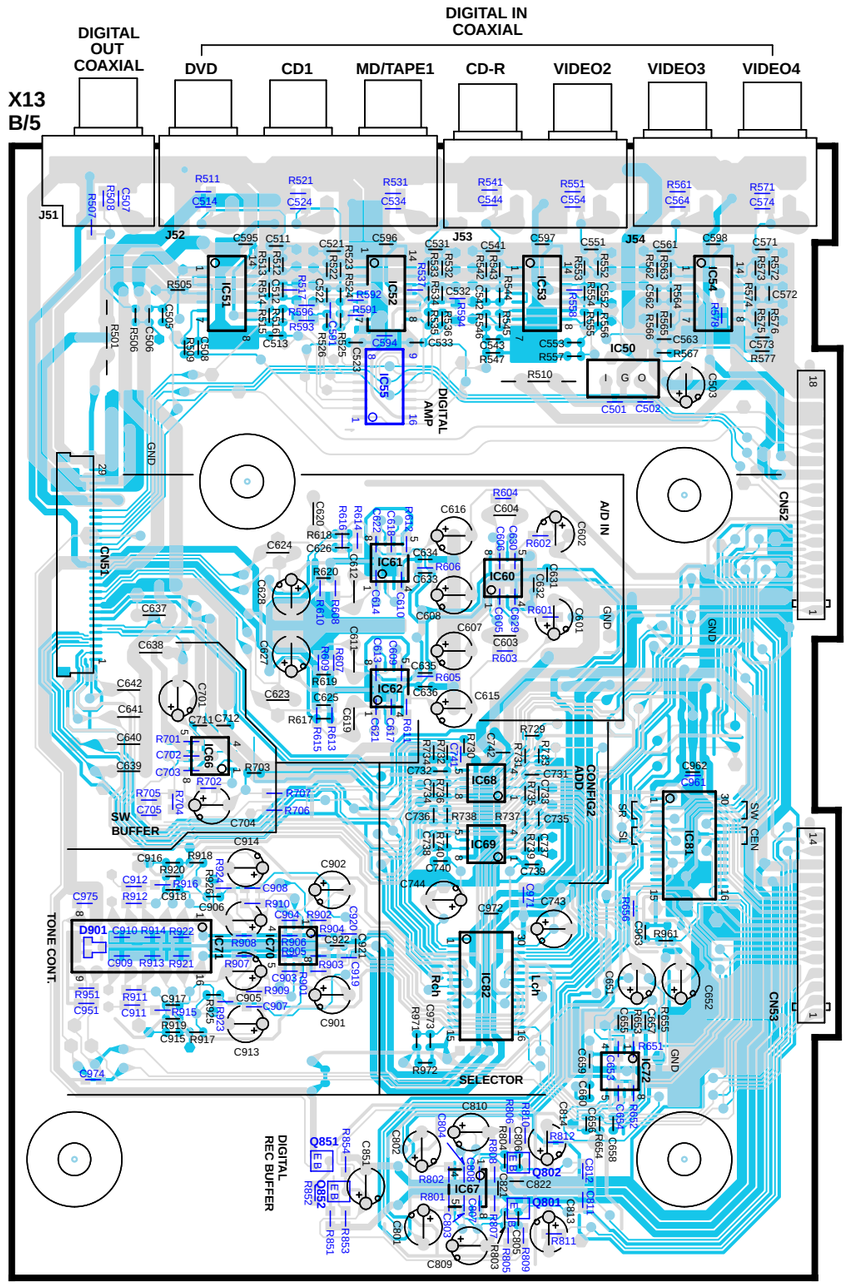
WIRING DIAGRAM



PC BOARD(Component side view)

X08-3020-10 (J70-1361-22)

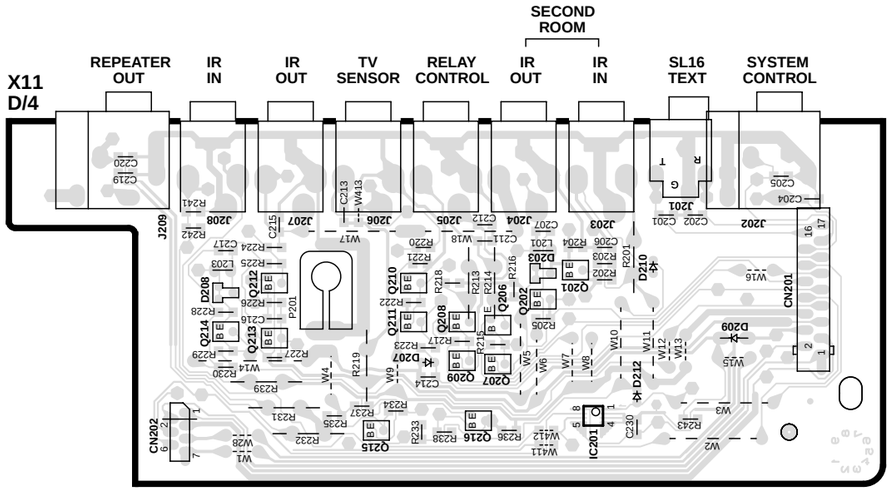




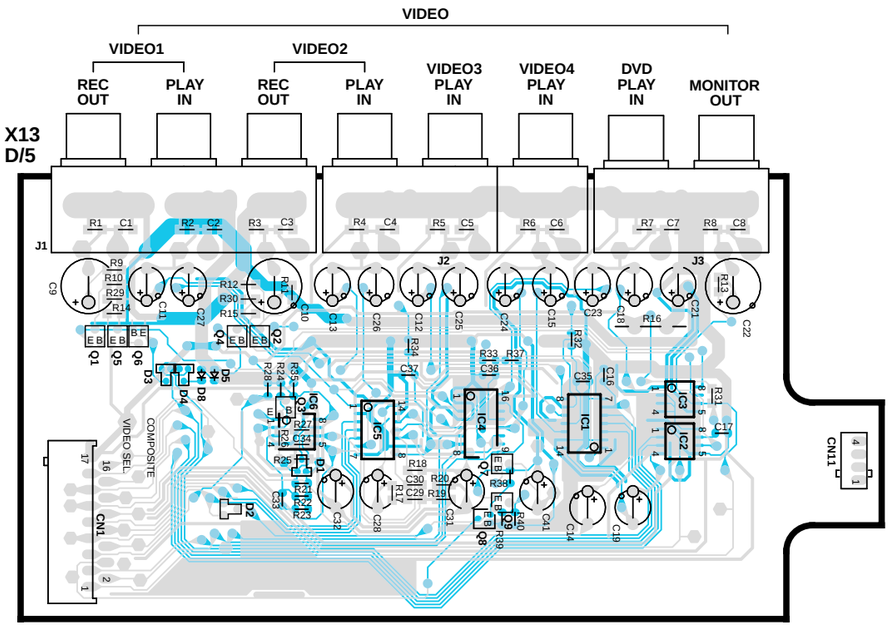
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Component side view)

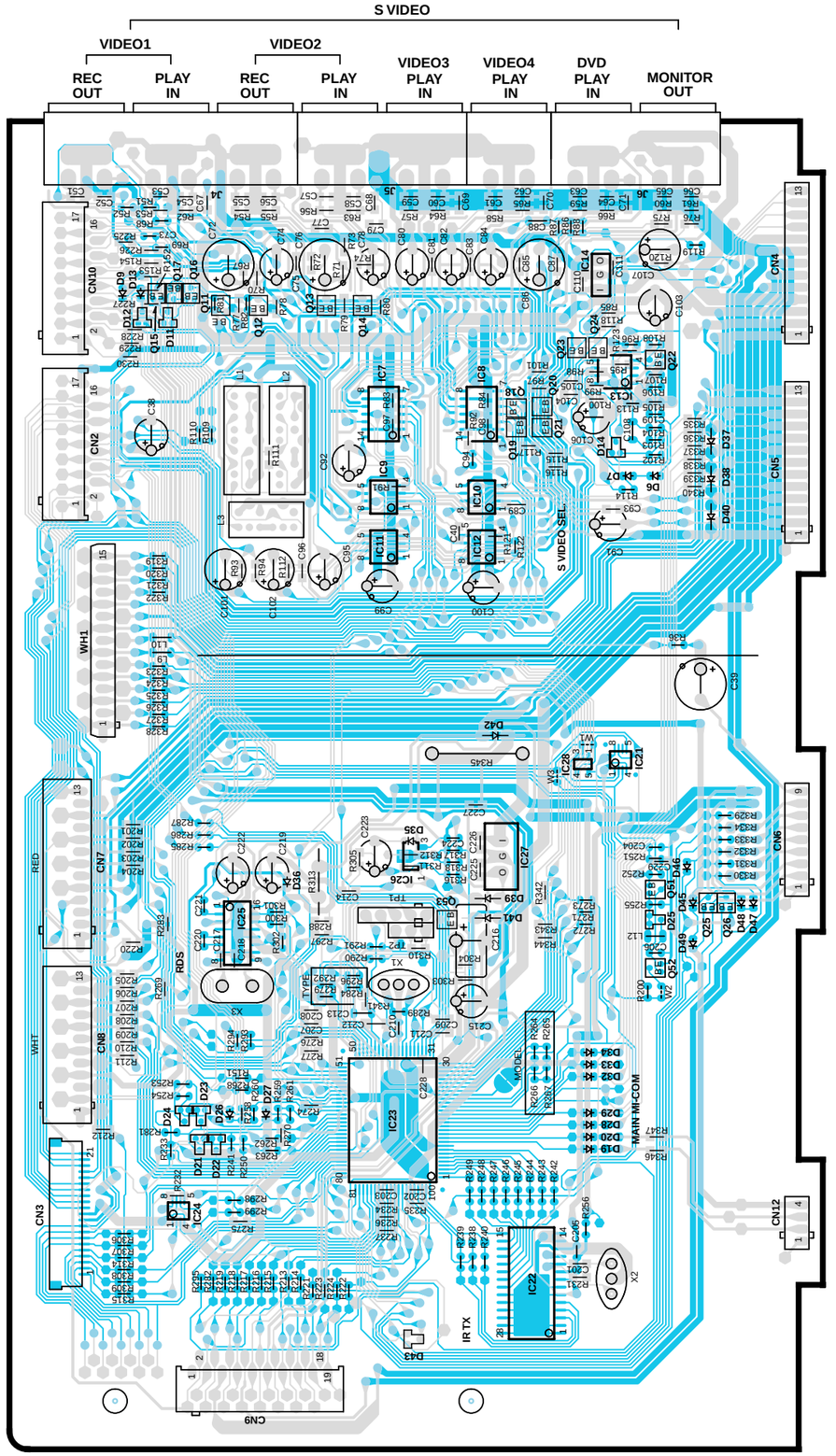
X11
D/4



X13
D/5



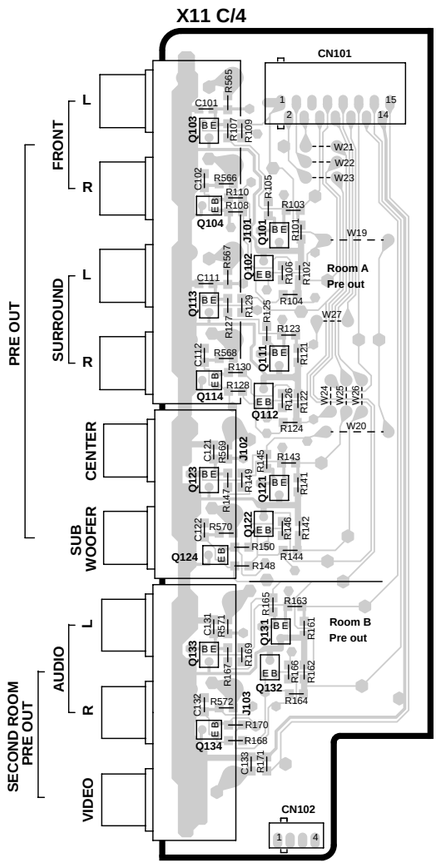
X13-7700-10 A/5
(J70-1375-31)

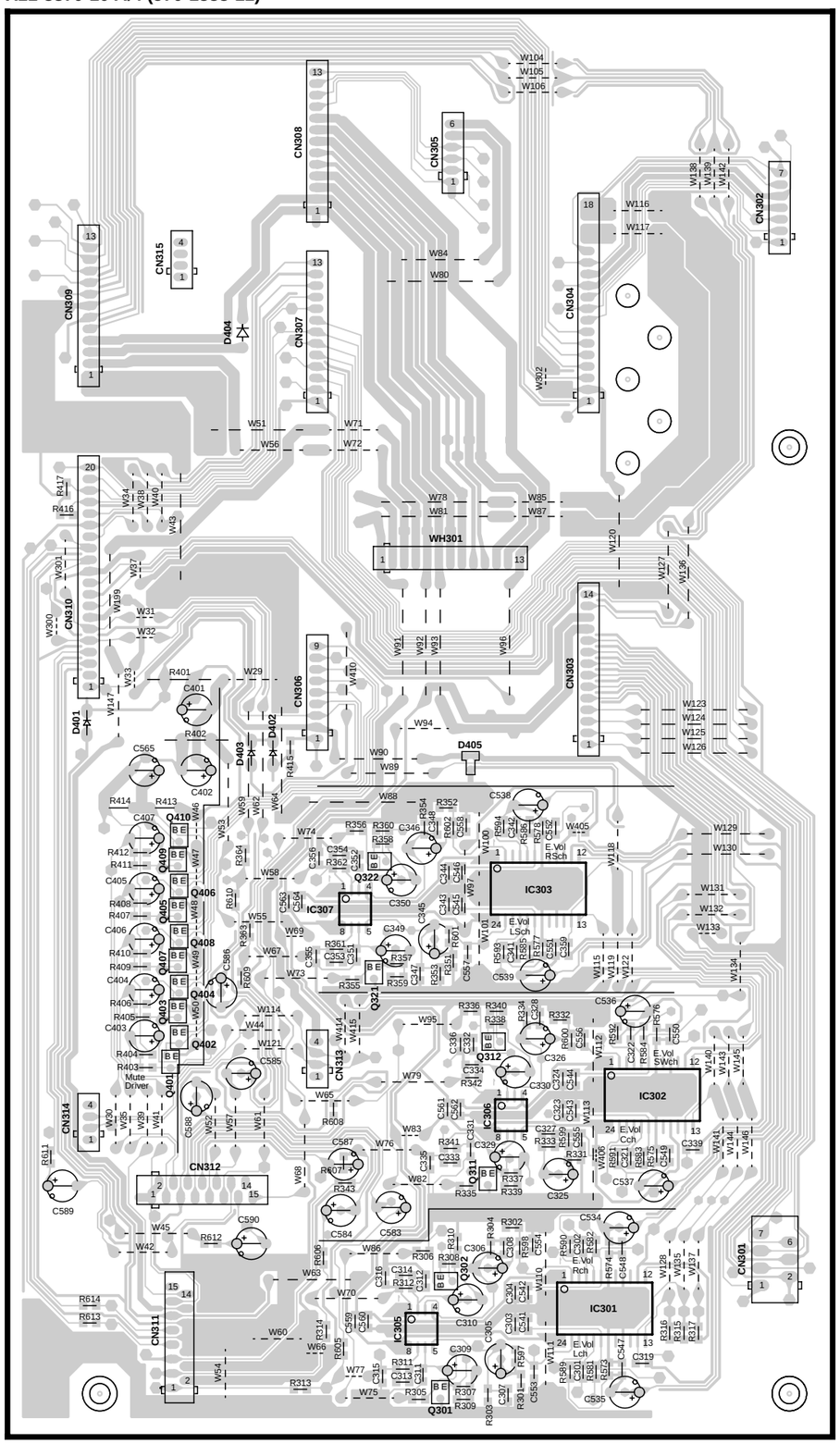


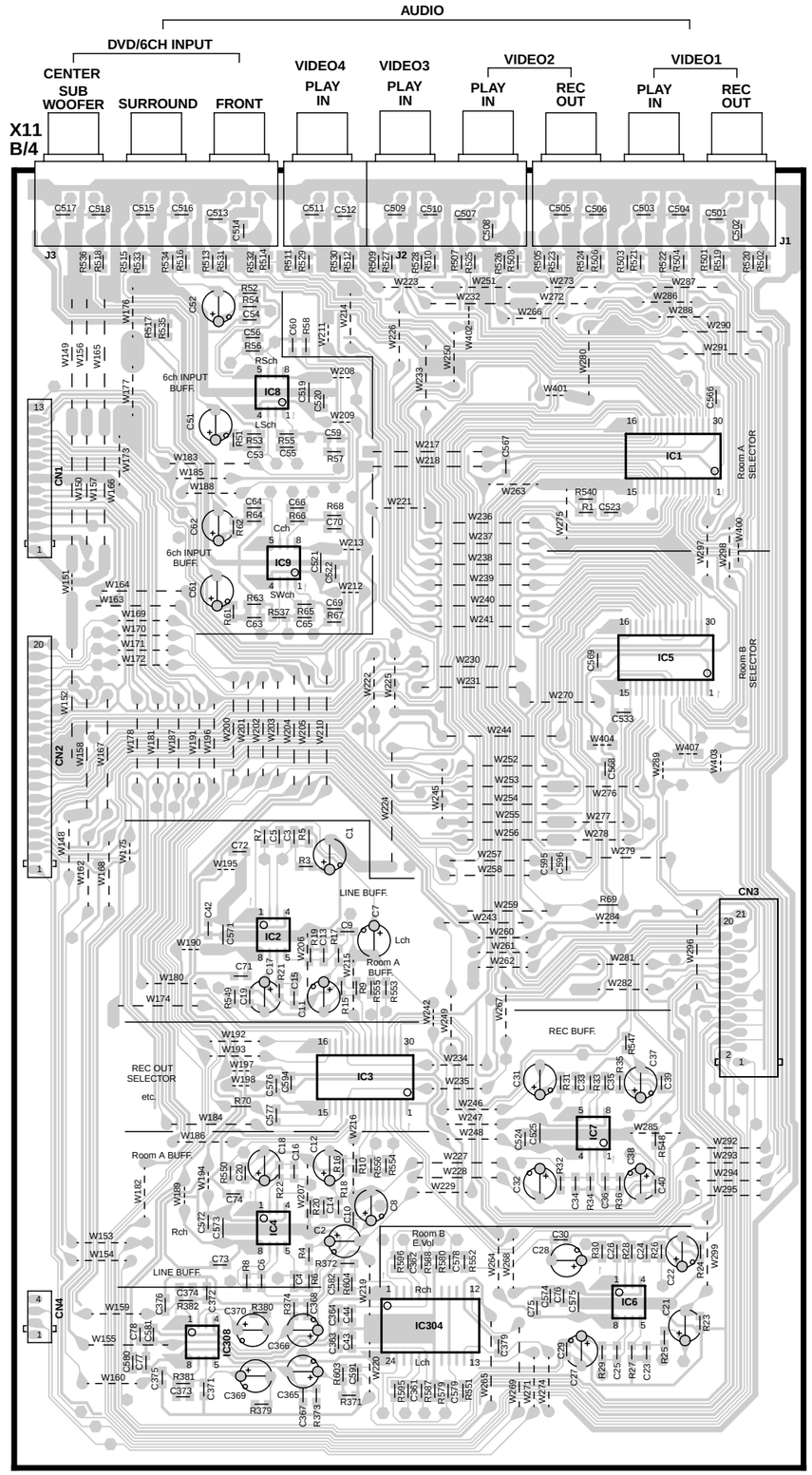
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Component side view)

X11-3870-10 A/4 (J70-1388-11)



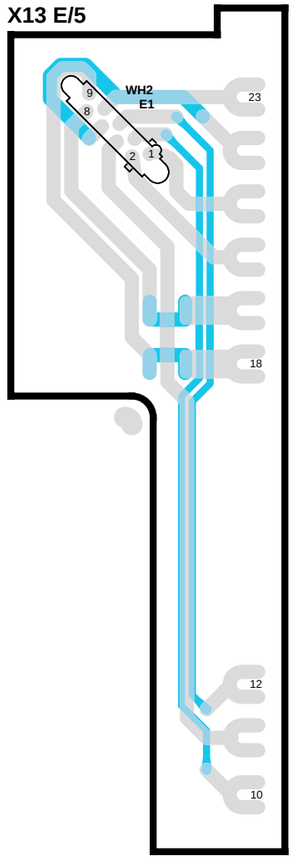




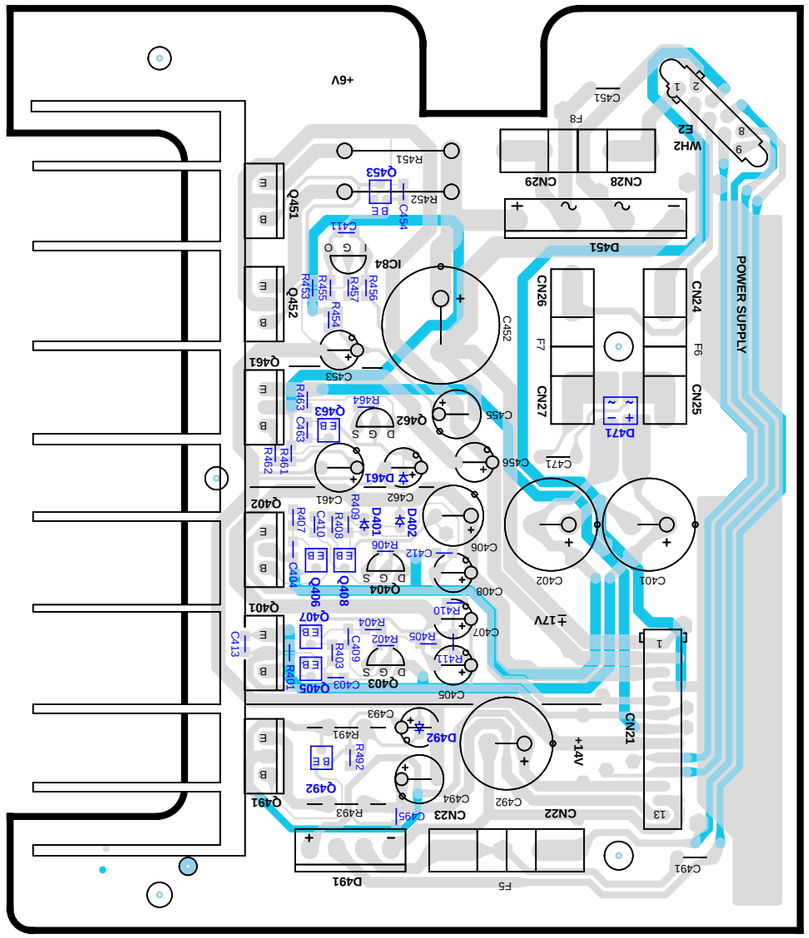
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Component side view)

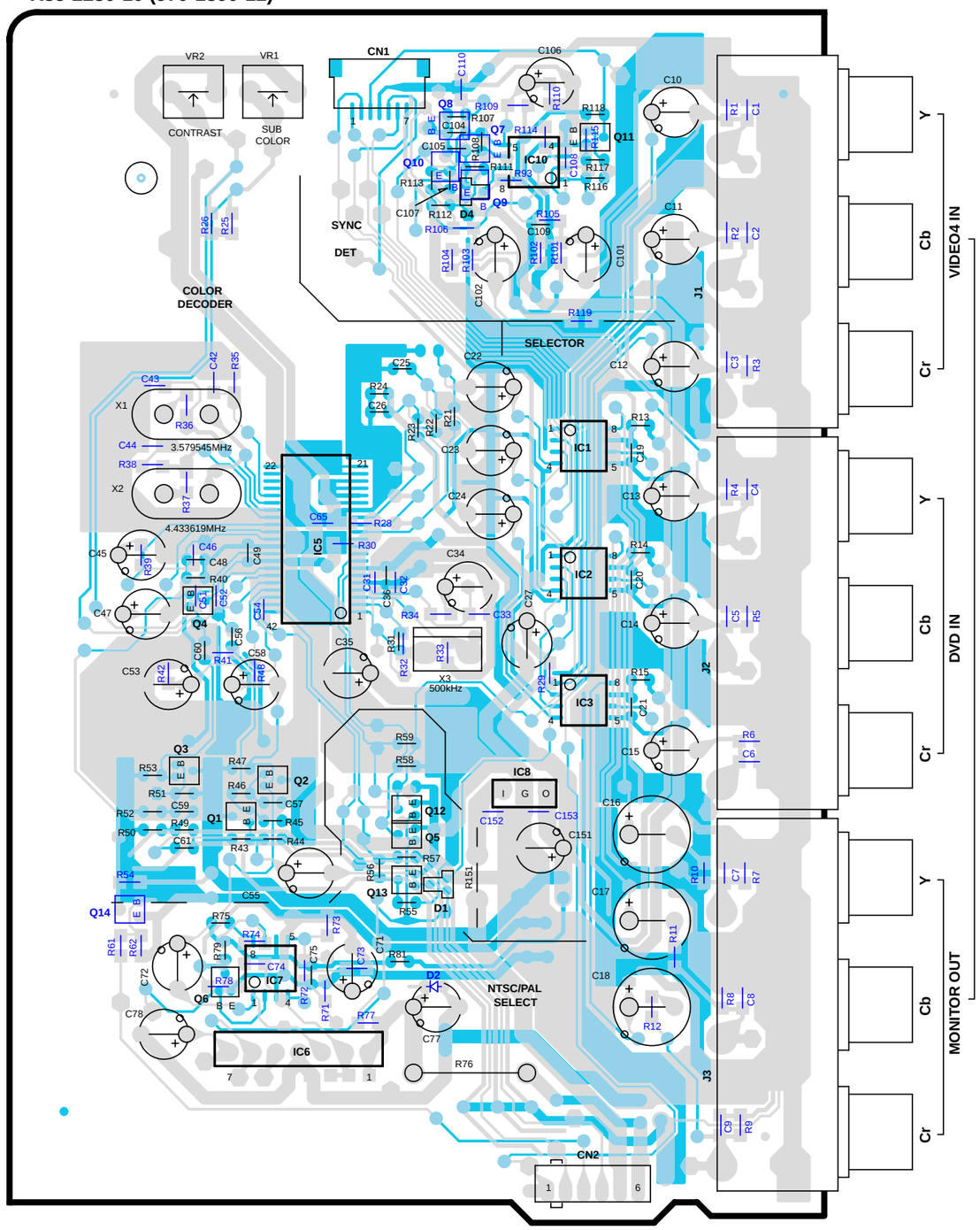
X13 E/5



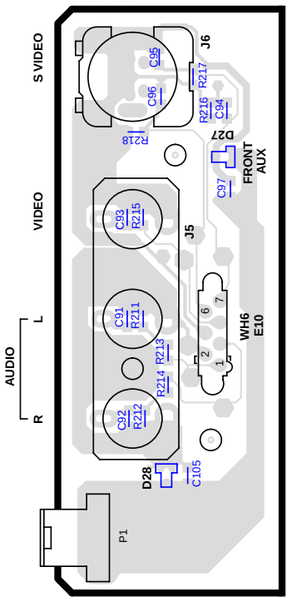
X13 C/5



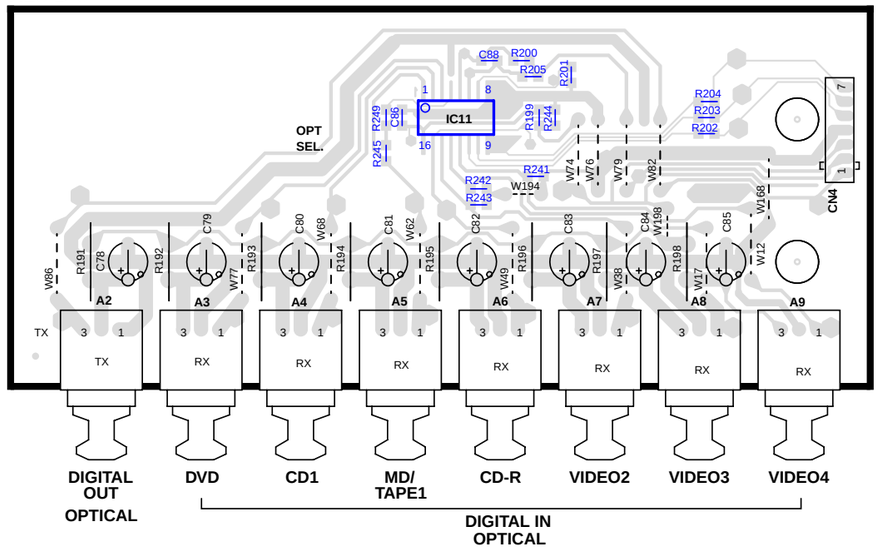
X35-2230-10 (J70-1390-12)



X25 E/9

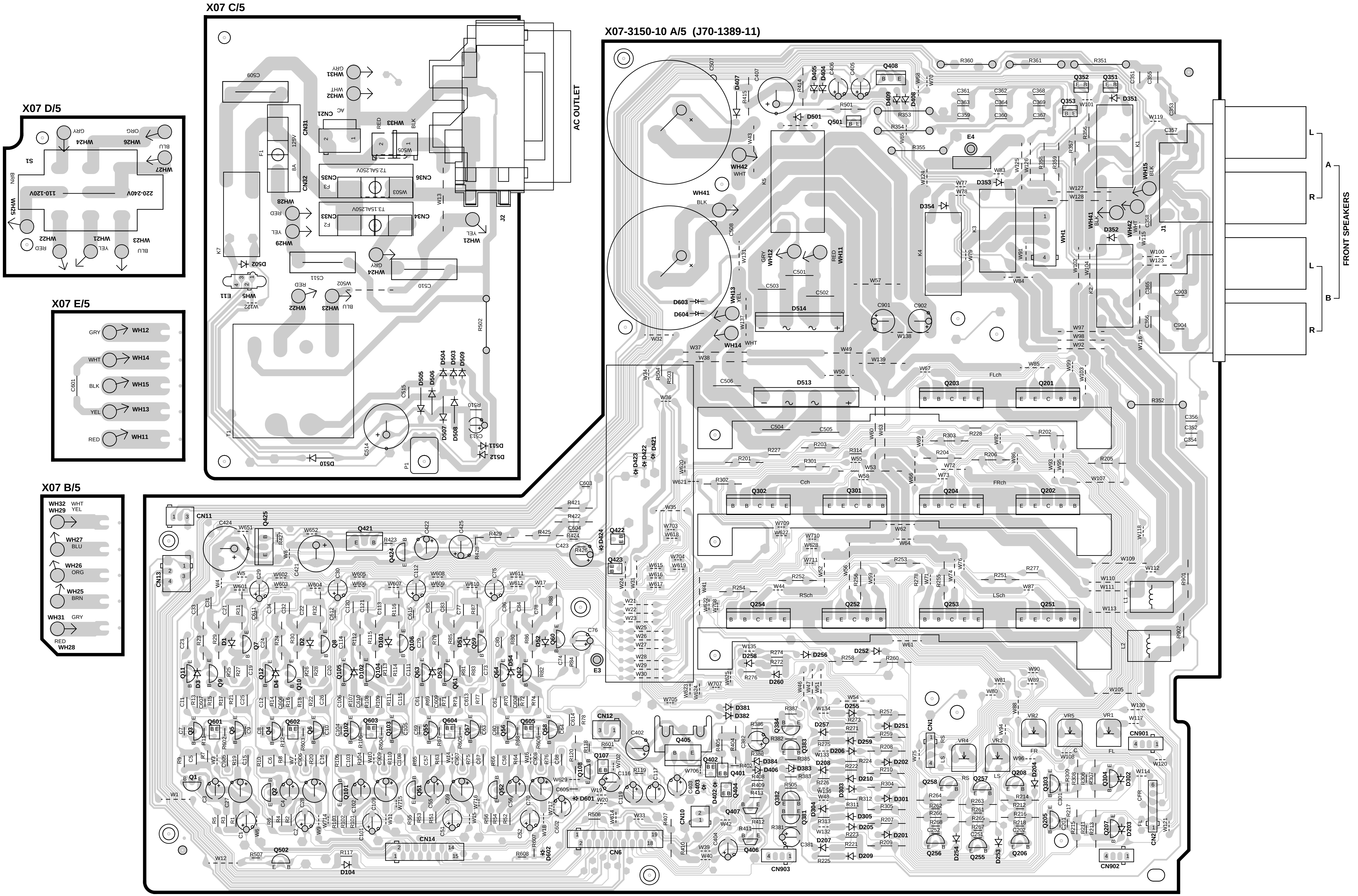


X25 D/9



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

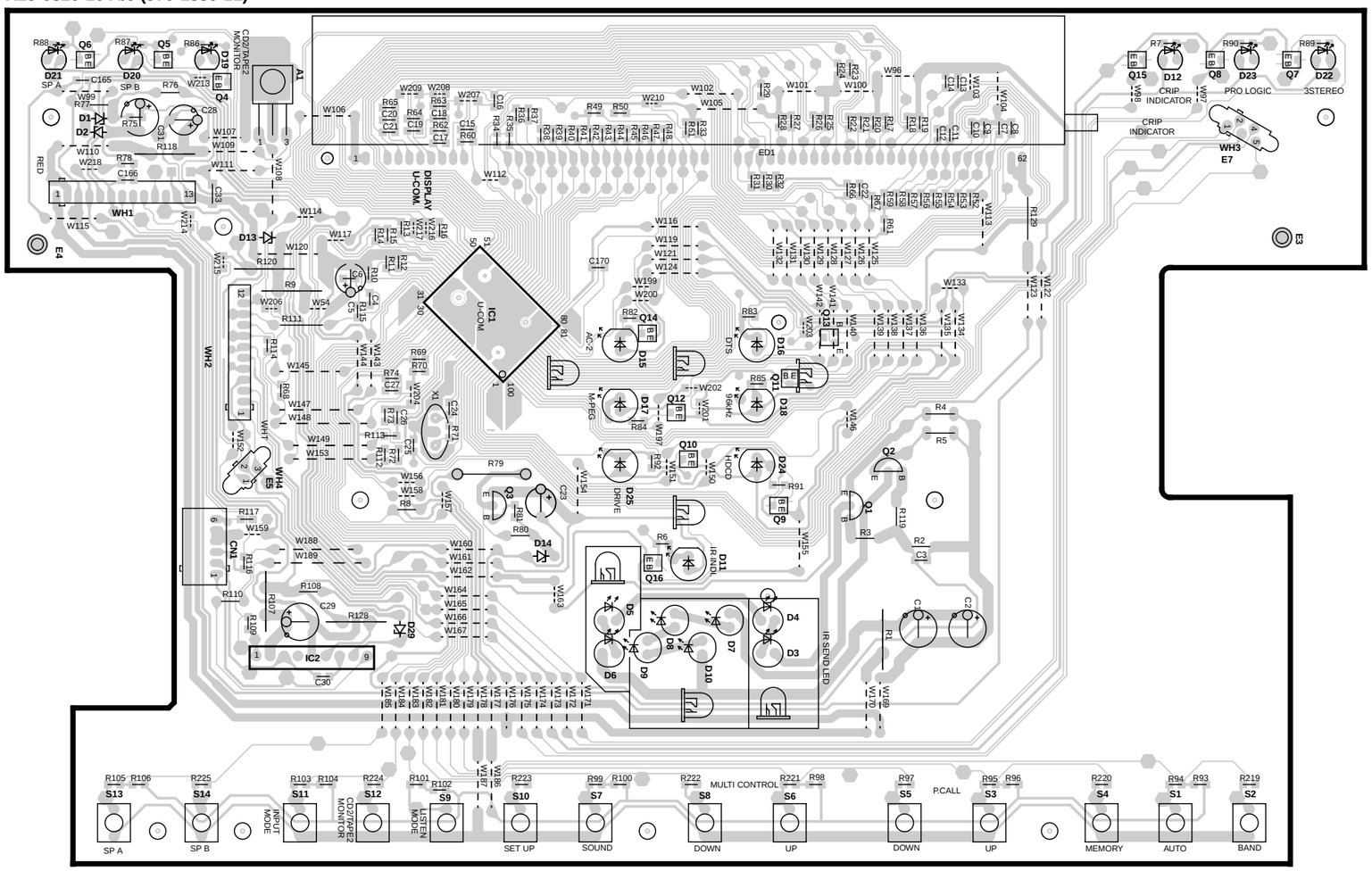
PC BOARD (Component side view)

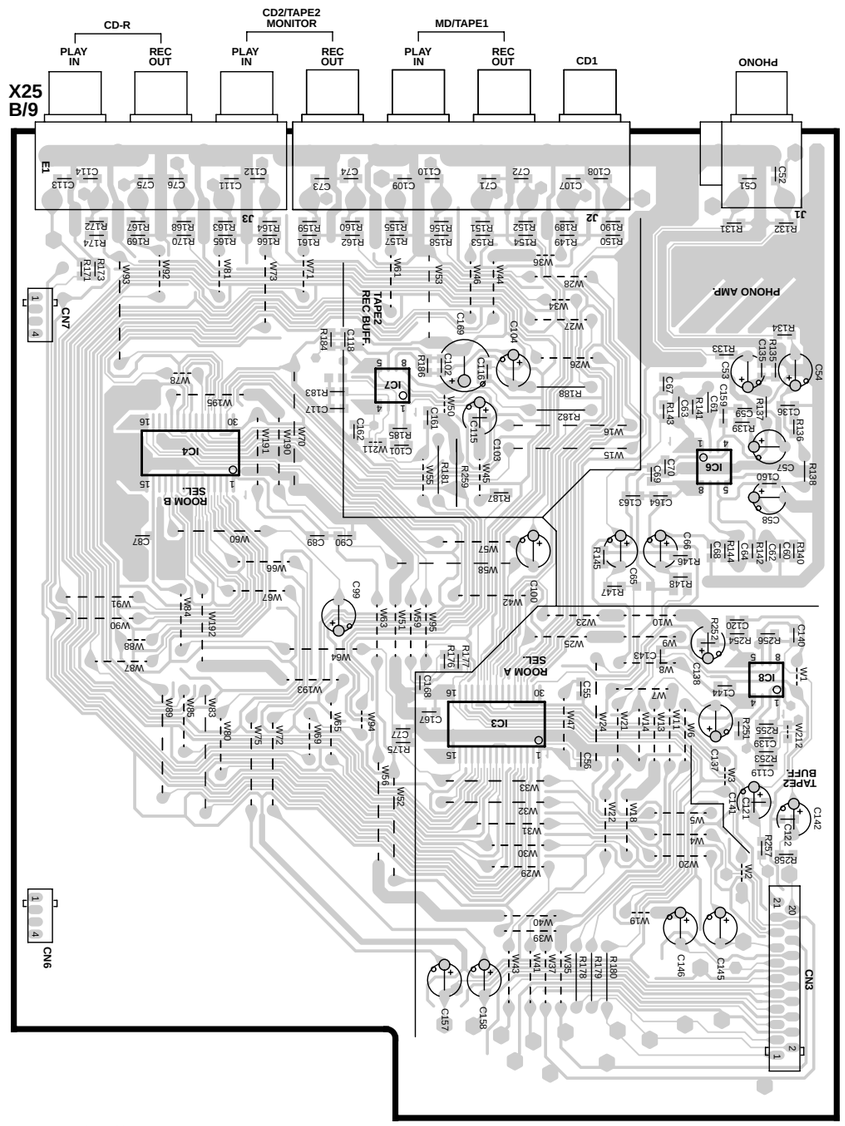


Refer to the schematic diagram for the value of resistors and capacitors.

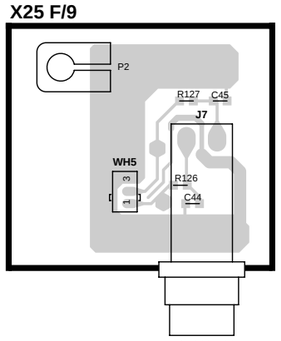
PC BOARD (Component side view)

X25-6320-10 A/9 (J70-1380-11)

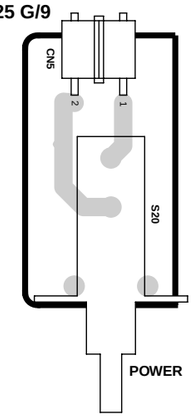




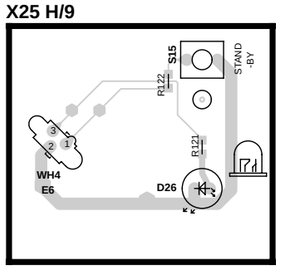
X25 F/9



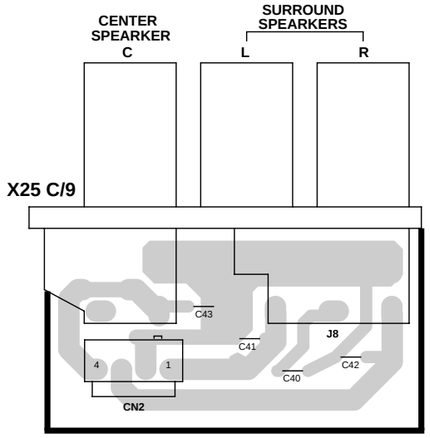
X25 G/9



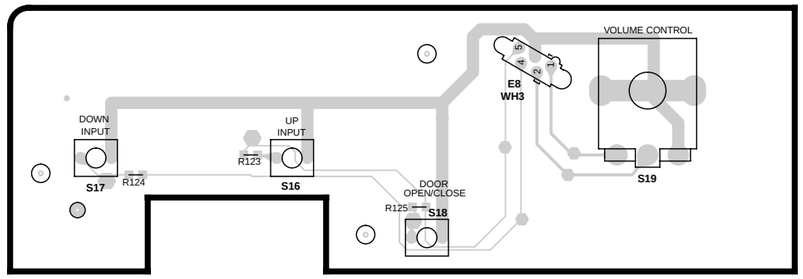
X25 H/9



X25 C/9



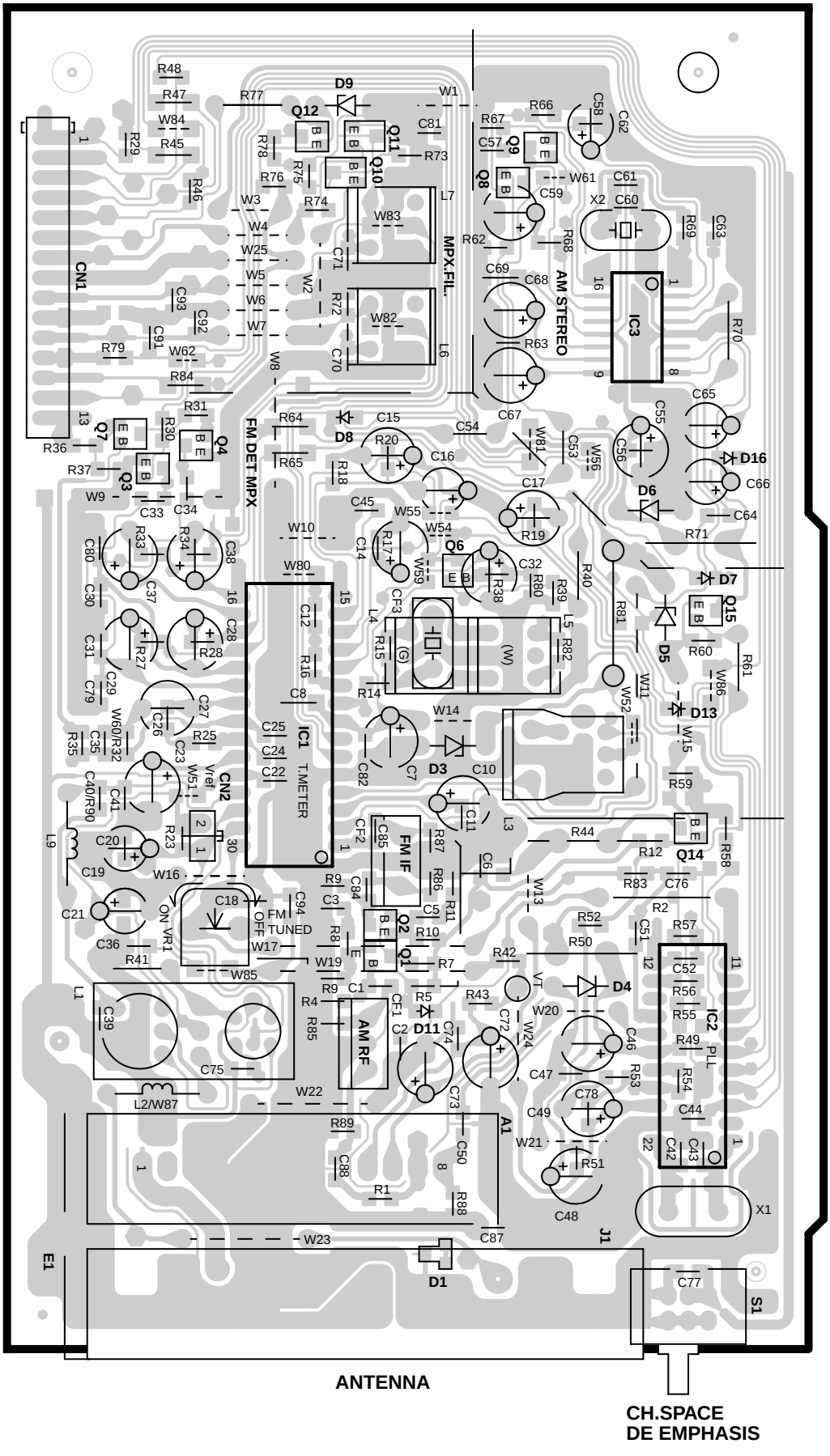
X25 I/9



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

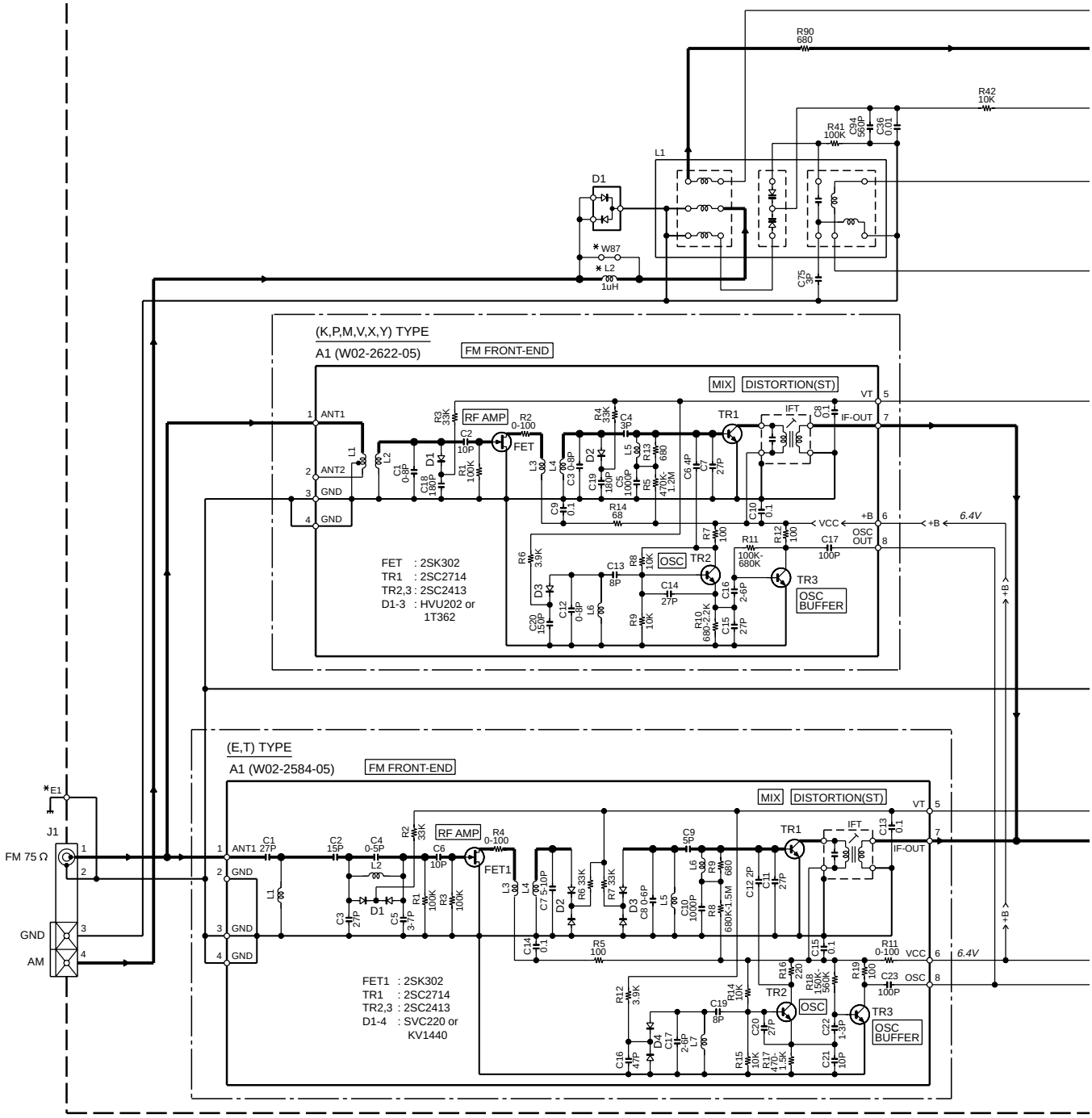
PC BOARD (Component side view)

X05-5130-10 (J70-1381-11)



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

TUNER UNIT (X05-51XX-XX)



KRF-V7773D (X05-51XX-XX)

DESTINATION		UNIT No.	Ⓐ Ⓒ Ⓕ	Ⓑ	R8,	R11	R23	R25	R27, 28	R29	R72, 73	C25	C30, 31	C70, 71	C74	C77	C78	C79, 80	C92, 93	L2, 6,7	CF1,2	W56	W82, 83,87	S1	E1
COUNTRY	ABB.																								
PX	Y	30-21	NO	YES	33	33	4.7K	18K	6.8K	YES	33K	330P	0.022	NO	YES	YES	YES	1500P	YES	NO	L72-0531 (MA5)	YES	YES	YES	F10-1108
GENENAL MARKET	M																								
AUSTRALIA	X	30-71		NO			6.8K			NO						NO	YES	1200P						NO	
EUROPE	E	32-71	YES		10	22	15K	27K	4.3K		3.9K	180P		YES	NO			4700P	NO	YES	L72-0536 (MS3)	NO	NO		F10-1109
SHANGHAI	V	42-10	NO	YES	33	33	4.7K	18K	6.8K	YES	33K	330P		NO	YES	YES		1500P	YES	NO	L72-0531 (MA5)	YES	YES	YES	F10-1108

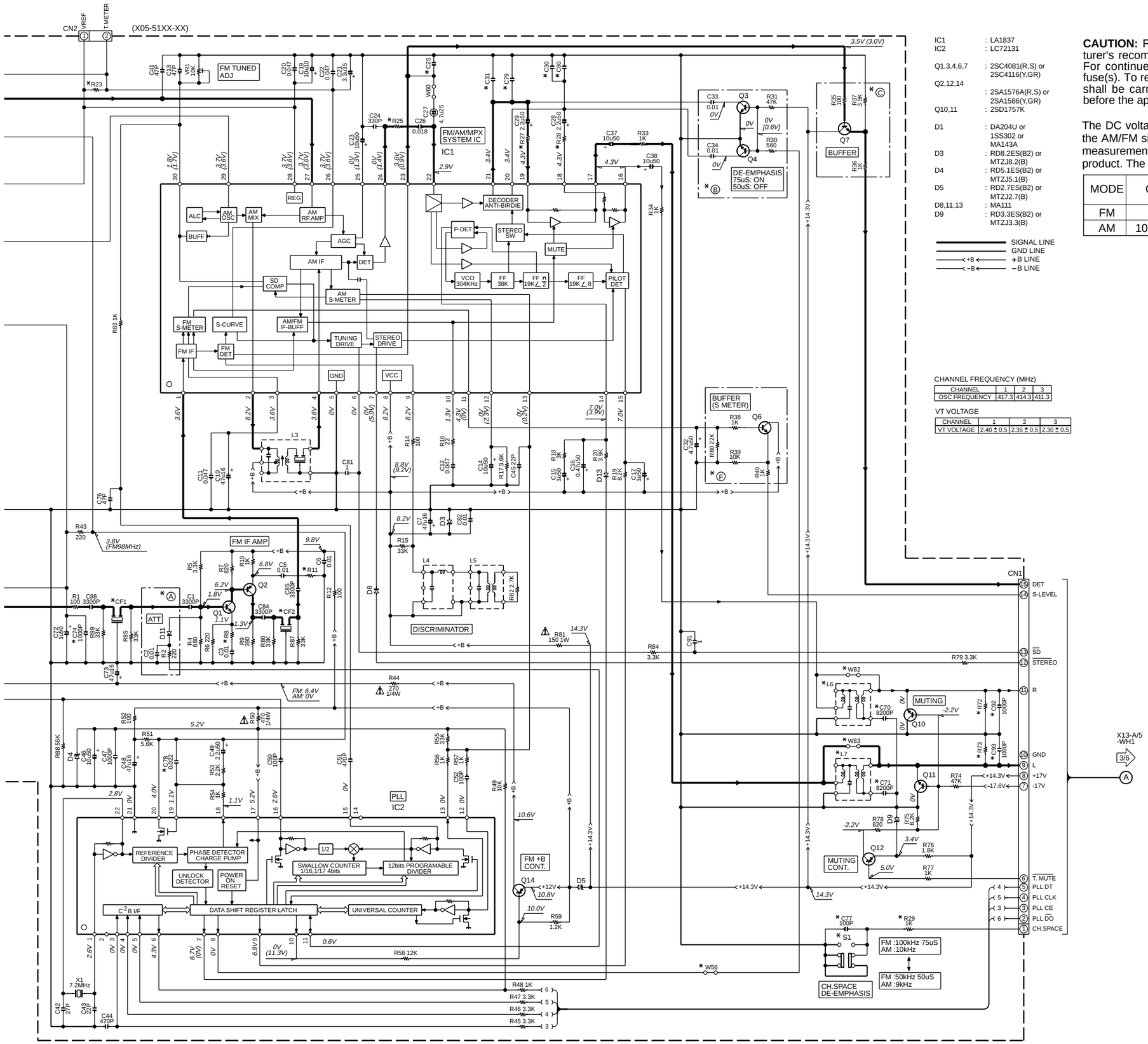
KRF-V7773D-B (X05-5132-71)

DESTINATION		UNIT No.	Ⓐ Ⓒ Ⓕ	Ⓑ	R8,	R11	R23	R25	R27, 28	R29	R72, 73	C25	C30, 31	C70, 71,78	C74,77, 92,93	C79, 80	L2, 6,7	CF1,2	W56,82, 83,87	S1	E1
COUNTRY	ABB.																				
U.K.	T	2-71	YES	NO	10	22	15K	27K	4.3K	NO	3.9K	180P	0.022	YES	NO	4700P	YES	L72-0536 (MS3)	NO	NO	F10-1109
EUROPE	E																				

KRF-V9993D (X05-513X-XX)

DESTINATION		UNIT No.	Ⓐ Ⓒ Ⓕ	Ⓑ	R8,	R11	R23	R25	R27, 28	R29	R72, 73	C25	C30, 31	C70, 71	C74	C77	C78	C79, 80	C92, 93	L2, 6,7	CF1,2	W56	W82, 83,87	S1	E1
COUNTRY	ABB.																								
GENENAL MARKET	M	0-21	NO	YES	33	33	4.7K	18K	6.8K	YES	33K	330P	0.022	NO	YES	YES	YES	1500P	YES	NO	L72-0531 (MA5)	YES	YES	YES	F10-1108
AUSTRALIA	X	0-71					6.8K											1200P							
U.K.	T	2-71	YES	NO	10	22	15K	27K	4.3K	NO	3.9K	180P		YES	NO	NO	YES	4700P	NO	YES	L72-0536 (MS3)	NO	NO	NO	F10-1109
EUROPE	E																								

F G H I J K L M N O



IC1 : LA1837
IC2 : LC72131

Q1,3,4,6,7 : 2SC4081(R,S) or 2SC4116(Y,GR)
Q2,12,14 : 2SA1576A(R,S) or 2SA1586(Y,GR)
Q10,11 : 2SD1757K

D1 : DA204U or 1SS302 or MA143A
D3 : RD8.2ES(B2) or MTZJ8.2(B)
D4 : RD5.1ES(B2) or MTZJ5.1(B)
D5 : RD2.7ES(B2) or MTZJ2.7(B)
D8,11,13 : MA111
D9 : RD3.3ES(B2) or MTZJ3.3(B)

SIGNAL LINE
GND LINE
+B LINE
−B LINE

CHANNEL FREQUENCY (MHz)

CHANNEL	1	2	3
OSC FREQUENCY	417.3	414.3	411.3

VT VOLTAGE

CHANNEL	1	2	3
VT VOLTAGE	2.40 ± 0.5	2.35 ± 0.5	2.30 ± 0.5

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.

The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below. The measurement value may vary depending on the measuring instruments used or on the product. The value shown in ( ) is actual reading measured in the AM mode.

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-V7773D,V7773D-B/V9993D (1/6)

Y05-4090-21

KRF-V7773D/V7773D-B/V9993D

KENWOOD

KRF-V9993D (X08-3020-11)

DESTINATION		UNIT No.	R751-756	CN4
COUNTRY	ABB.			
GENERAL MARKET	M	0-11	YES	YES
AUSTRALIA	X			
U.K.	T			
EUROPE	E			

KRF-V7773D (X08-30XX-XX)

DESTINATION		UNIT No.	R751-756	CN4
COUNTRY	ABB.			
PX	Y	20-10	NO	NO
GENERAL MARKET	M			
AUSTRALIA	X			
EUROPE	E			
SHANGHAI	V	32-10		

KRF-V7773D-B (X08-3020-10)

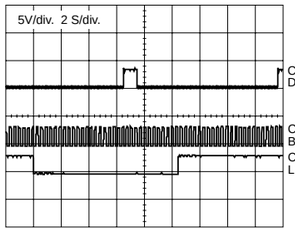
DESTINATION		UNIT No.	R751-756	CN4
COUNTRY	ABB.			
EUROPE	E	0-10	NO	NO
U.K.	T			

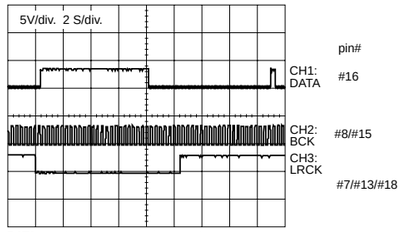
(X08-3032-10)
(X08-3020-10)
IC4 : AK5383-VS
IC5-7 : AK4393-VF
IC8-13 : NJM4565MD
IC21 : ADSST-AUDIO35
IC22,23 : HY57V16160DTC
IC24 : 49BV008A1AKB
IC25 : AK4112-VF
IC26,27 : TC7S04F
IC28,29 : TC7SHU04FU
IC30 : TC7WH34FK
IC31,32 : TC74LVX573FT
IC33 : TC7SH02F
IC34 : TC7SH32F
IC35-37 : TC7SO8FU
IC39 : TC74VHC125F
IC40 : uPD784036C851
IC51 : uPC2933T
IC53 : uPC2905T
IC54 : uPC29L33T

D1-5 : DA204U

(X08-30XX-XX)

X08, IC21 (76pin)
FLG11 waveform in JAZZ club selected to TAPE.





DATA waveform will change figure by trigger as above.

IC21 DSP

INVERTER IC28 IC29 IC30

IC25 DIR
AC-3/MPEG DETECT
96KHz DETECT
DAIF DECODER
INPUT SELECTOR
AUDIO I/F
ERROR DETECT
CLOCK RECOVERY
DEM
SYSTEM CONTROL
CLOCK GENERATOR
X'TAL OSCILLATOR
up I/F
DVSS
DVDD

IC27

IC33 IC34 IC31 (BOTTOM VIEW)
IC33,34 8BIT LATCH

IC23 RAM (BOTTOM VIEW)
IC22 RAM (BOTTOM VIEW)

IC26 OPT. DET.
IC32 D-TYPE LATCH
IC24 ROM
IC40 u-COM.
IC4 A/D
IC5 D/A
IC6 D/A
IC7 D/A
IC35
IC36
IC37
IC39 5V -> 3.3V
IC54 3.3V AVR
D1 D2 D3 D4 D5
ANALOG(Lch)
DA DATA MUTE

(X13-770X-XX) (B/5)

CN1 D.VDD1 G.GND D.GND D.GND RX.COX DSELA RX.OPT DSELB TX DSELC HDCD+6DB AD REF GND G.GND A.R- A.R+ AVDD A.L+ A.L- A.GND +17V -17V D.C D.SW D.L D.R D.LS D.RS

CN51 D.VDD1 D.GND D.GND D.GND GND +6 RX..COX DSELA RX.OPT DSELB TX DSELC HDCD+6DB AD REF GND A.R- A.R+ ADVDD A.L+ A.L- AGND +17 -17 CENTER SW L R SL SR

CN3 SUB MUTE SUB SDT SUB MDT SUB MCK SUB SREQ SUB MREQ SUB RESET YC SEL A YC SEL B UCON.VDD UCON.GND C ROOMA E C ROOMA D C ROOMA C C ROOMA B C ROOMA A V SEL Y DET C ROOMB C C ROOMB B C ROOMB A

CN4 CK DET CTRL B C DET G.GND CTRL A2 FSC CTRL CTRL A

IC51 3.3V AVR · IC53 5V AVR · IC8 (1/2) · IC8 (2/2) · IC9 (1/2) · IC9 (2/2) · IC10 (1/2) · IC10 (2/2) · IC11 (1/2) · IC11 (2/2) · IC12 (1/2) · IC12 (2/2) · IC13 (1/2) · IC13 (2/2) · IC67 (2/2) · IC68 (1/2) · IC68 (2/2) · IC69 (1/2) · IC69 (2/2) · IC66 (1/2) · IC66 (2/2) · IC81 L/Rch TONE DIG.ANA SEL. · IC82 DIG.6ch SELECTOR

Lch · Rch · LSch · RSch · Cch · SWch · ANALOG · DIGITAL · OP AMP (DIGITALREC) BUFFER · GAIN CONT. (HD CD 6dB) · OP AMP SUB WOOFER · OP AMP · CENTER · SW · SR · SL

KRF-V9993D (X13-770X-XX)

DESTINATION		UNIT	Ⓖ Ⓗ	Ⓘ	J52
COUNTRY	ABB.	No.			
GENERAL MARKET	M	0-22	YES	NO	E63-1130-05
AUSTRALIA	X	0-72			
U.K.	T	2-72			
EUROPE	E				

KRF-V7773D (X13-77XX-XX)

DESTINATION		UNIT	Ⓖ Ⓗ	Ⓘ	J52
COUNTRY	ABB.	No.			
PX	Y	02-91	NO	YES	E63-1129-05
GENERAL MARKET	M	00-21			
AUSTRALIA	X	00-71			
EUROPE	E	02-71			
SHANGHAI	V	42-10			

KRF-V7773D-B (X13-7702-71)

DESTINATION		UNIT	Ⓖ Ⓗ	Ⓘ	J52
COUNTRY	ABB.	No.			
EUROPE	E	2-71	NO	YES	E63-1129-05
U.K.	T				

SIGNAL LINE
GND LINE
+B LINE
−B LINE

(X13-770X-XX)
IC50 : uPC2905HF
IC51-54 : TC74HCU04AF
IC55 : TC74HC151AF
IC60-62,66-70 : NJM4565MD
IC71 : TC9184AP
IC81 : NJU7311AM
IC82 : NJU7312AM

Q801,802 : 2SC4213(B)
Q851 : DTC124EUA or UN5212
Q852 : 2SA1576A(R,S) or 2SA1586(Y,GR)

D901 : DA204U

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.

The DC voltage is an actual reading measured with a high impedance type voltmeter with a cassette loaded at playback mode. The measurement value may vary depending on the measuring instruments used or on the product. Bias circuit DC voltage is measured while in the record mode.

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KRF-V7773D/V7773D-B/V9993D (2/6)

Y05-4090-21

KRF-V7773D/V7773D-B/V9993D

KENWOOD

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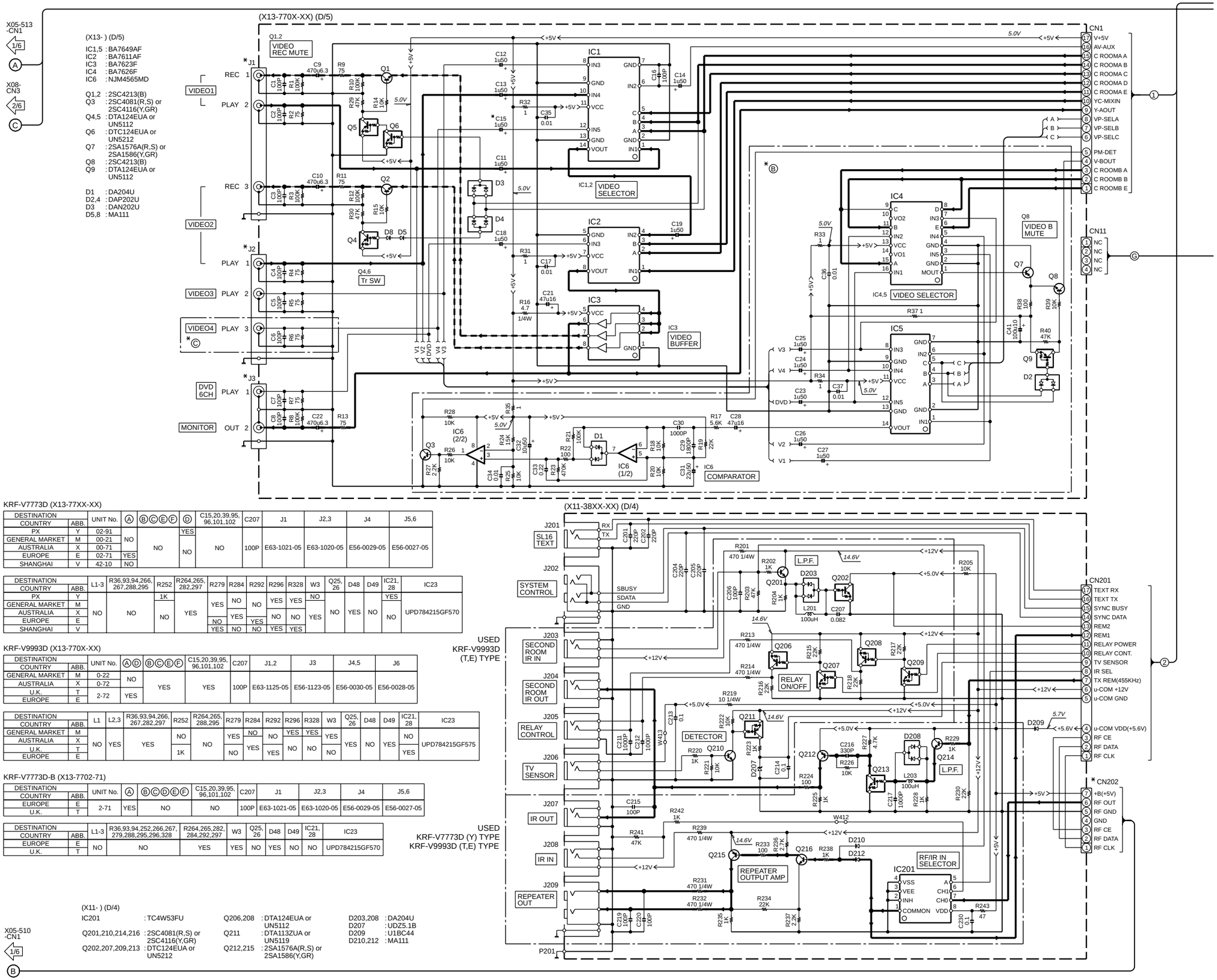


DESTINATION		UNIT No.	Ⓐ	ⒷⒸⒺⒻ	Ⓓ	C15,20,39,95, 96,101,102	C207	J1	J2,3	J4	J5,6
COUNTRY	ABB.										
PX	Y	02-91	NO	NO	YES	NO	100P	E63-1021-05	E63-1020-05	E56-0029-05	E56-0027-05
GENERAL MARKET	M	00-21									
AUSTRALIA	X	00-71			NO						
EUROPE	E	02-71	YES								
SHANGHAI	V	42-10	NO								

DESTINATION		L1-3	R36,93,94,266, 267,288,295	R252	R264,265, 282,297	R279	R284	R292	R296	R328	W3	Q25, 26	D48	D49	IC21, 28	IC23
COUNTRY	ABB.															
PX	Y	NO	NO	1K	YES	YES	NO	NO	YES	YES	NO	NO	YES	NO	YES	UPD784215GF570
GENERAL MARKET	M															
AUSTRALIA	X			NO			YES		NO	NO	YES				NO	
EUROPE	E					NO		YES								
SHANGHAI	V					YES	NO	NO	YES	YES						

DESTINATION		UNIT No.	ⒶⒹ	ⒷⒸⒺⒻ	C15,20,39,95, 96,101,102	C207	J1,2	J3	J4,5	J6
COUNTRY	ABB.									
GENERAL MARKET	M	0-22	NO	YES	YES	100P	E63-1125-05	E56-1123-05	E56-0030-05	E56-0028-05
AUSTRALIA	X	0-72								
U.K.	T	2-72	YES							
EUROPE	E									

DESTINATION		L1	L2,3	R36,93,94,266, 267,282,297	R252	R264,265, 288,295	R279	R284	R292	R296	R328	W3	Q25, 26	D48	D49	IC21, 28	IC23
COUNTRY	ABB.																
GENERAL MARKET	M	NO	YES	YES	NO	NO	YES	NO	NO	YES	YES	YES	YES	NO	YES	NO	UPD784215GF575
AUSTRALIA	X							YES									
U.K.	T				1K		NO		YES	NO	NO	NO				YES	
EUROPE	E																

DESTINATION		UNIT No.	Ⓐ	ⒷⒸⒹⒺⒻ	C15,20,39,95, 96,101,102	C207	J1	J2,3	J4	J5,6
COUNTRY	ABB.									
EUROPE	E	2-71	YES	NO	NO	100P	E63-1021-05	E63-1020-05	E56-0029-05	E56-0027-05
U.K.	T									

DESTINATION		L1-3	R36,93,94,252,266,267, 279,288,295,296,328	R264,265,282, 284,292,297	W3	Q25, 26	D48	D49	IC21, 28	IC23
COUNTRY	ABB.									
EUROPE	E	NO	NO	YES	YES	NO	YES	NO	NO	UPD784215GF570
U.K.	T									

USED
KRF-V9993D
(T,E) TYPE

USED
KRF-V7773D (Y) TYPE
KRF-V9993D (T,E) TYPE

BN | BO | BP | BQ | BR | BS | BT | BU | BV | BW

(X13-77XX-XX)
(A/5)

CN3 SUB MUTE, SUB SDT, SUB MDT, SUB MCK, SUB SREQ, SUB MREQ, SUB RESET, YC SEL A, YC SEL B, IR+14, u-GND, C ROOMA E, C ROOMA D, C ROOMA C, C ROOMA B, C ROOMA A, Y SEL, Y DET, C ROOMB E, C ROOMB B, C ROOMB A

CN8 STANDBY (LED), ENC.B, ENC.A, u-COM GND, INPUT DOWN KEY, T.X REM (455KHz), FL CLK, FL DI, FL DO, FL ST, FL RST, REM1

CN7 IR+14V, u-COM VDD, IR GND, -35V, AC1, AC2, OPEN SENS, CLOSE SENS, ON STANDBY KEY, NC, MOTOR GND, VCC+6V, u COM GND

WH1 CH.SPACE, PLL DO, PLL CE, PLL CLK, PLL DT, T.MUTE, -17V, +15V, T.Lch, T.GND, T.Rch, STEREO, SD, S.LEVEL, DET

CN9 NC, -35V, RELAY TR, RELAY CS, FAN GND, RELAY B, RELAY A, FAN +B, F.OFF, RELAY POWER, u-COM +12V, u COM GND, THERM SW, V.PROTECT, 10W, 1W, I.PROTECT, FAN ON/OFF, FAN H/L

CN6 u-COM VDD, u-COM GND, V.ST, B MUTE, S MUTE, SW MUTE, A MUTE, 10dB CTL, VB OUT

IC24 2ch BUS BUFFER (VCC, GND)

IC23 MAIN u-COM

IC22 IR-TX u-COM (REQ, RWR, ENB, 455K, VDD, XTO, XTI, GND, RST, WDO)

X2 3.63MHz

X3 4.332MHz

IC14 5.0V AVR (IN, OUT, GND)

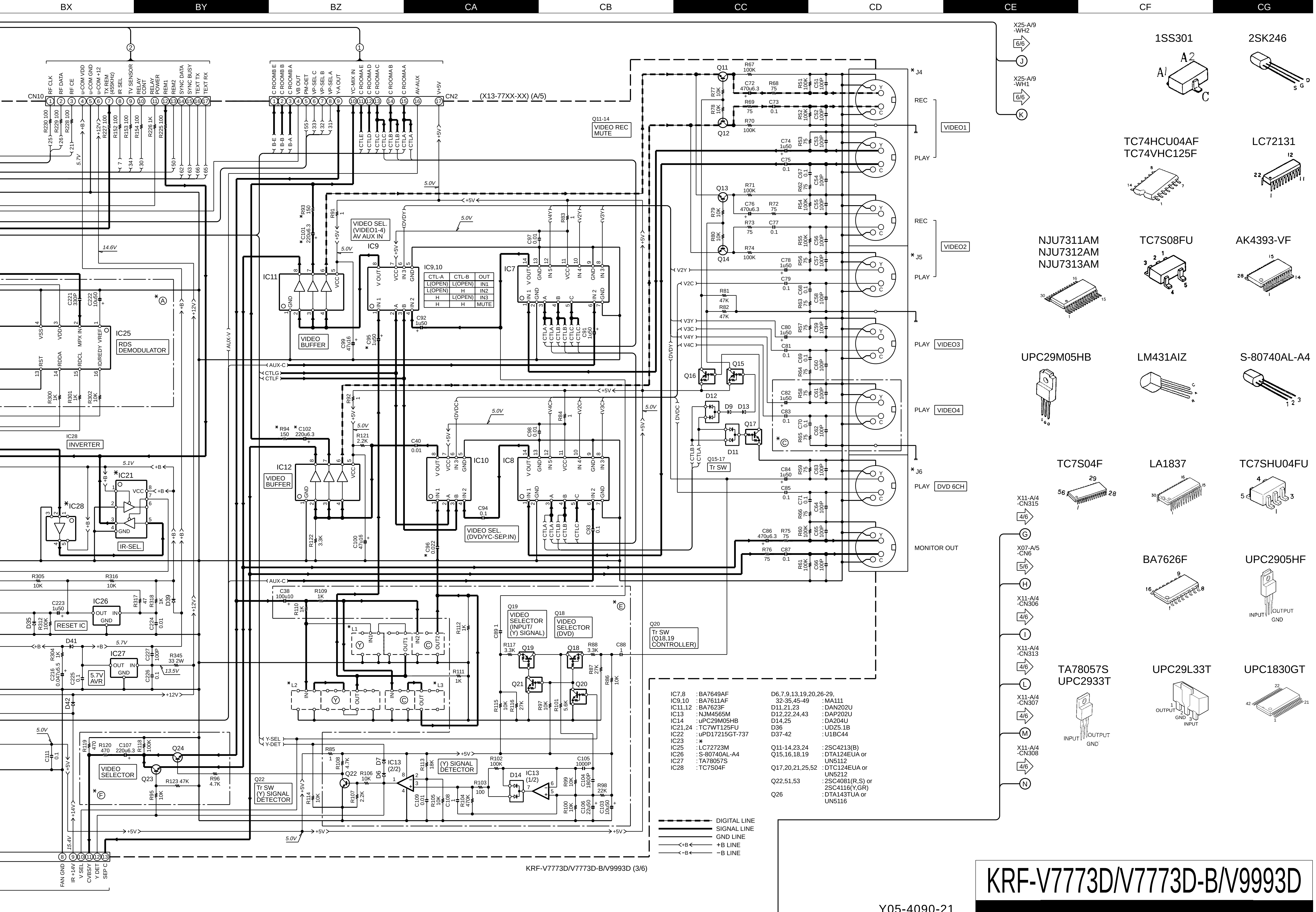
Tr SW

RESET

CN12 NC, VOL DATA, VOL CLK, MOTOR GND

CN5 V.GND, AUX-Y, AUX-C, AUX-V, T.ST, VTS CLK, VTS DATA, SEL ST2, SEL ST1, SEL ST3, T.Rch, T.GND, T.Lch

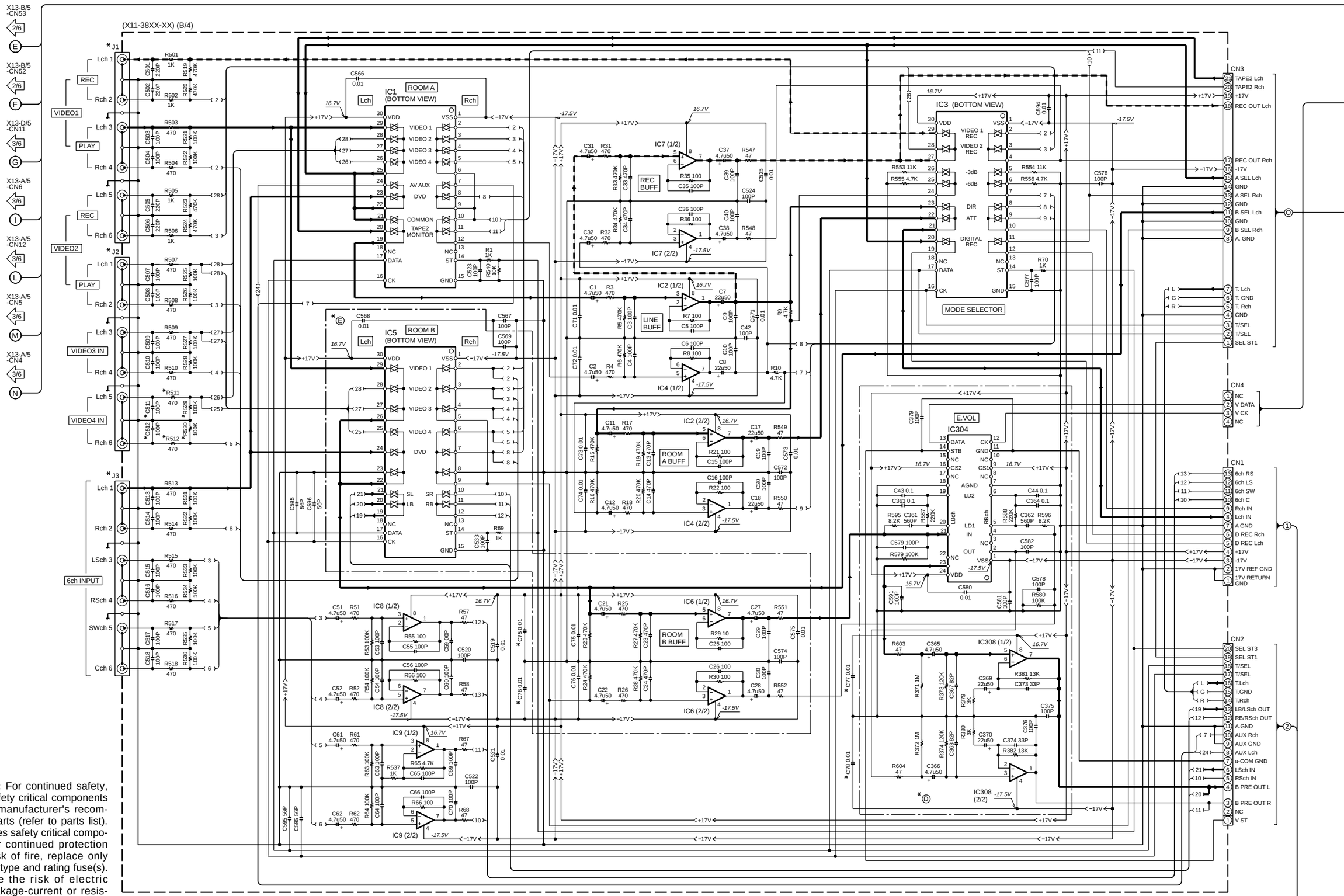
CN4 VCC -17V, VCC +17V, VCC +6V, 17 REF GND, AC1, AC2, FAN +B



KRF-V7773D/V7773D-B/V9993D

Y05-4090-21

KENWOOD



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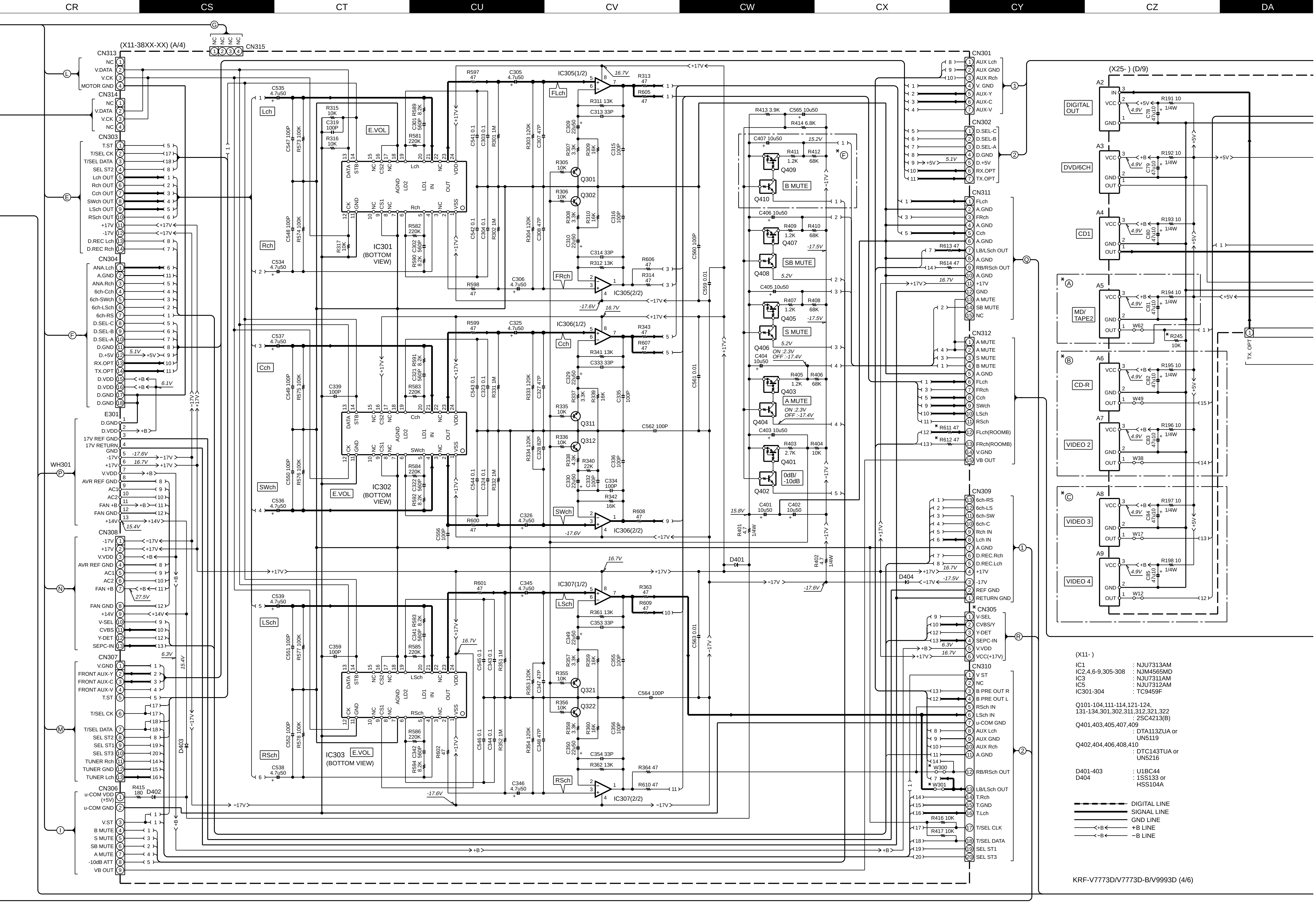
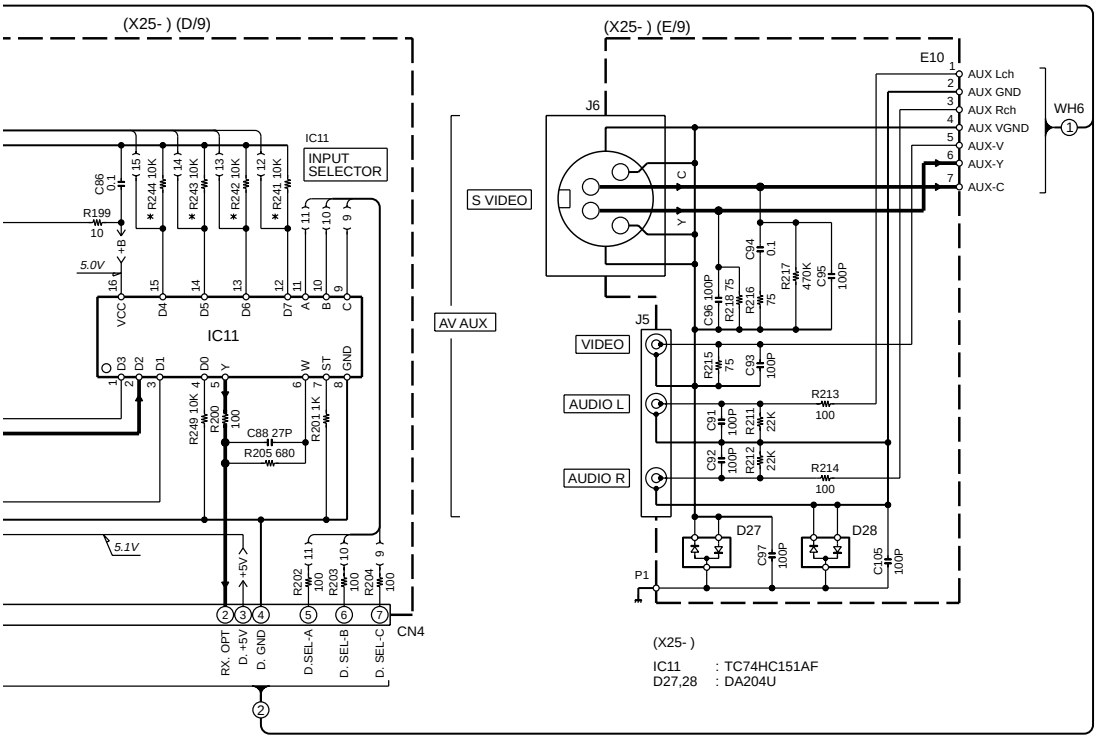

CR CS CT CU CV CW CX CY CZ DA
(X11-38XX-XX) (A/4)
(X25-) (D/9)
IC301 (BOTTOM VIEW)
IC302 (BOTTOM VIEW)
IC303 (BOTTOM VIEW)
IC305(1/2)
IC305(2/2)
IC306(1/2)
IC306(2/2)
IC307(1/2)
IC307(2/2)
E.VOL
B MUTE
SB MUTE
S MUTE
A MUTE
0dB/ -10dB
DIGITAL OUT
DVD/6CH
CD1
MD/ TAPE2
CD-R
VIDEO 2
VIDEO 3
VIDEO 4
(X11-)
IC1 : NJU7313AM
IC2,4,6-9,305-308 : NJM4565MD
IC3 : NJU7311AM
IC5 : NJU7312AM
IC301-304 : TC9459F
Q101-104,111-114,121-124, 131-134,301,302,311,312,321,322 : 2SC4213(B)
Q401,403,405,407,409 : DTA113ZUA or UN5119
Q402,404,406,408,410 : DTC143TUA or UN5216
D401-403 : U1BC44
D404 : 1SS133 or HSS104A
DIGITAL LINE
SIGNAL LINE
GND LINE
+B LINE
−B LINE
KRF-V7773D/V7773D-B/V9993D (4/6)



KRF-V7773D (X25-63XX-XX)

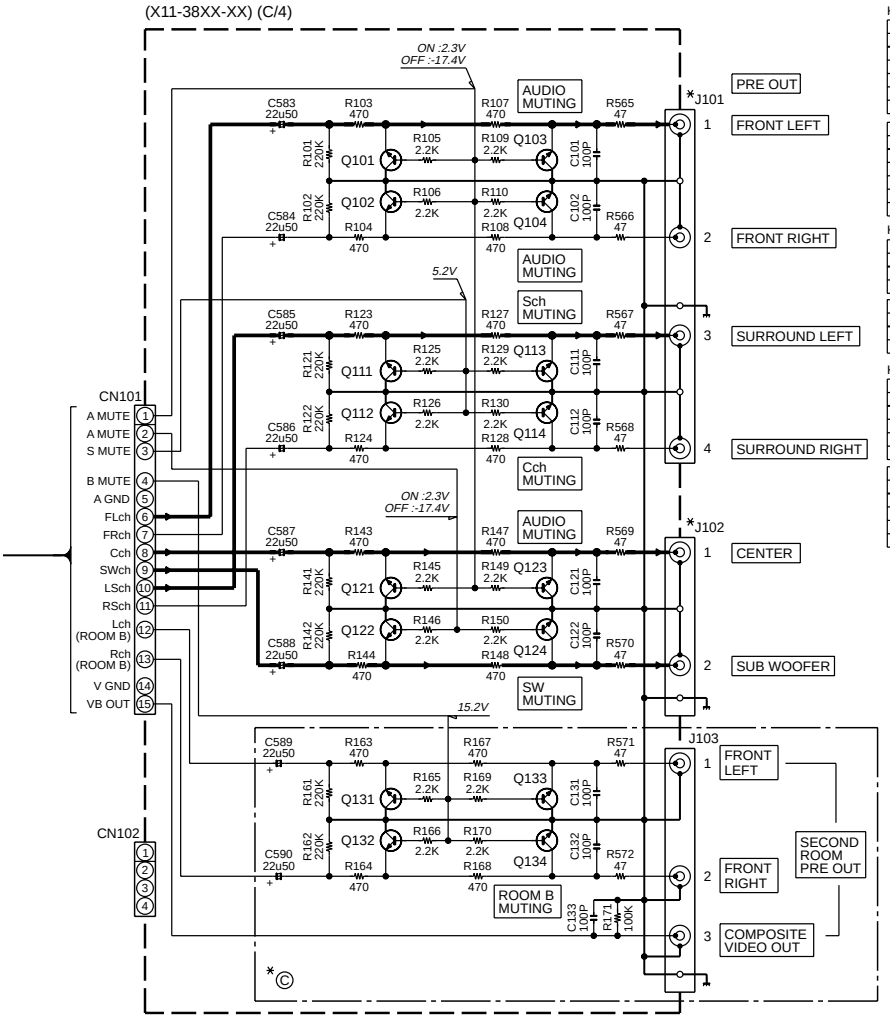
DESTINATION		UNIT	Ⓐ Ⓑ Ⓒ	R241-245
COUNTRY	ABB.	No.		
PX	Y	22-71	NO	YES
GENERAL MARKET	M			
AUSTRALIA	X			
EUROPE	E			
SHANGHAI	V	52-10		

KRF-V9993D (X25-6320-01)

DESTINATION		UNIT	Ⓐ Ⓑ Ⓒ	R241-245
COUNTRY	ABB.	No.		
GENERAL MARKET	M	0-01	YES	NO
AUSTRALIA	X			
U.K.	T			
EUROPE	E			

KRF-V7773D-B (X25-6322-71)

DESTINATION		UNIT	Ⓐ Ⓑ Ⓒ	R241-245
COUNTRY	ABB.	No.		
EUROPE	E	2-71	NO	YES
U.K.	T			



KRF-V7773D (X11-38XX-XX)

DESTINATION		UNIT	Ⓒ Ⓓ Ⓔ Ⓕ	R511,512,529, 530,611,612	C75-78, 511,512	CN305	W300, 301
COUNTRY	ABB.	No.					
PX	Y	72-91	NO	NO	NO	NO	YES
GENERAL MARKET	M						
AUSTRALIA	X	70-21					
EUROPE	E						
SHANGHAI	V	82-10					

DESTINATION		UNIT	J1	J2	J3	J101	J102
COUNTRY	ABB.	No.					
PX	Y	72-91	E63-1164-05	E63-1163-05	E63-1114-05	E63-1116-05	E63-1118-05
GENERAL MARKET	M						
AUSTRALIA	X	70-21					
EUROPE	E						
SHANGHAI	V	82-10					

KRF-V7773D-B (X11-3870-21)

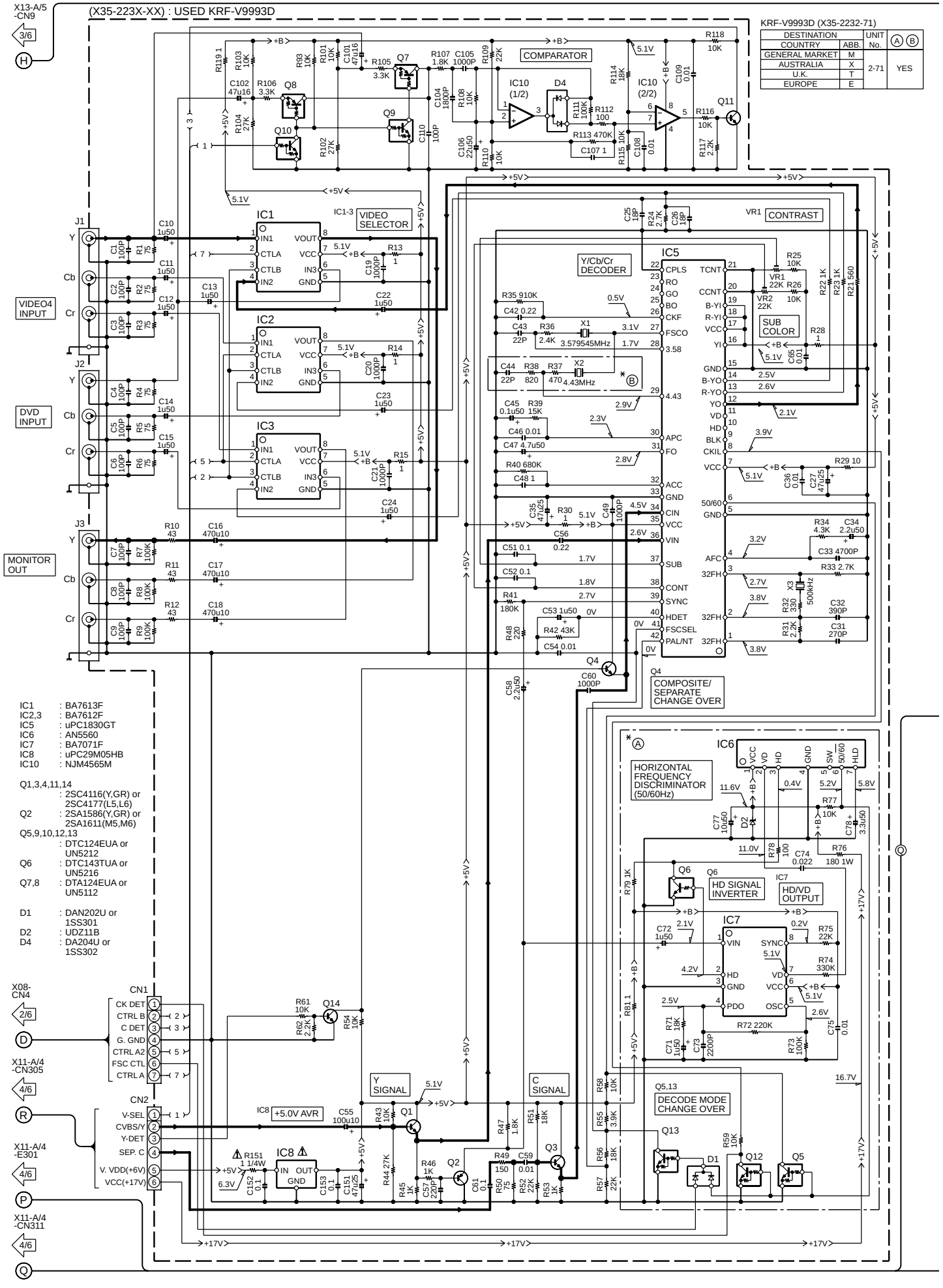
DESTINATION		UNIT	Ⓒ Ⓓ Ⓔ Ⓕ	R511,512,529, 530,611,612	C75-78, 511,512	CN305	W300, 301
COUNTRY	ABB.	No.					
EUROPE	E	0-21	NO	NO	NO	NO	YES
U.K.	T						

DESTINATION		UNIT	J1	J2	J3	J101	J102
COUNTRY	ABB.	No.					
EUROPE	E	0-21	E63-1164-05	E63-1163-05	E63-1114-05	E63-1116-05	E63-1118-05
U.K.	T						

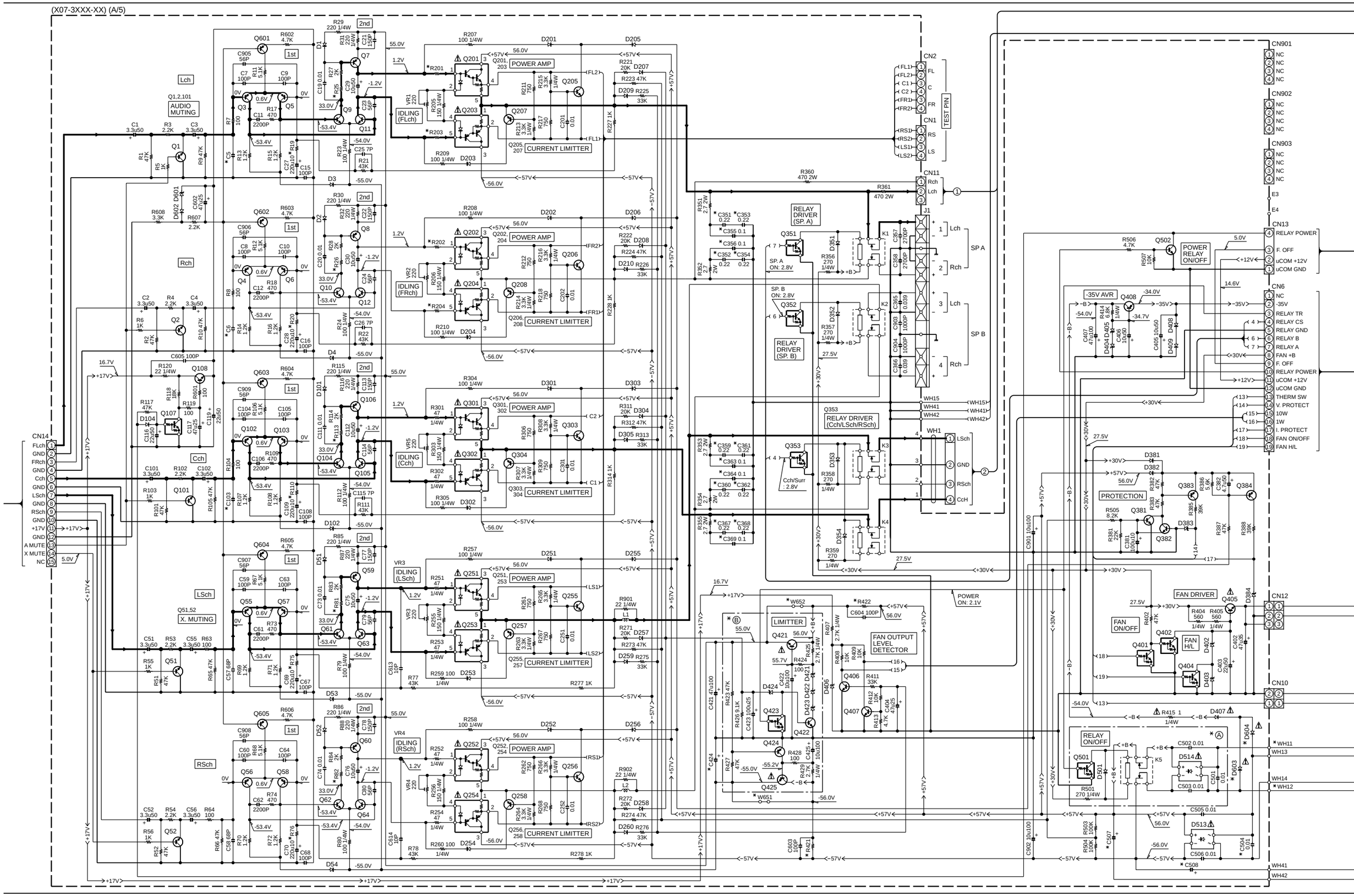
KRF-V9993D (X11-387X-XX)

DESTINATION		UNIT	Ⓒ Ⓓ Ⓔ Ⓕ	R511,512,529, 530,611,612	C75-78	C511, 512	W300, 301	CN305
COUNTRY	ABB.	No.						
GENERAL MARKET	M	0-02	YES	YES	NO	YES	NO	YES
AUSTRALIA	X							
U.K.	T	2-71			YES			
EUROPE	E							

DESTINATION		UNIT	J1,2	J3	J101	J102
COUNTRY	ABB.	No.				
GENERAL MARKET	M	0-02	E63-1111-05	E63-1115-05	E63-1117-05	E63-1119-05
AUSTRALIA	X					
U.K.	T	2-71				
EUROPE	E					

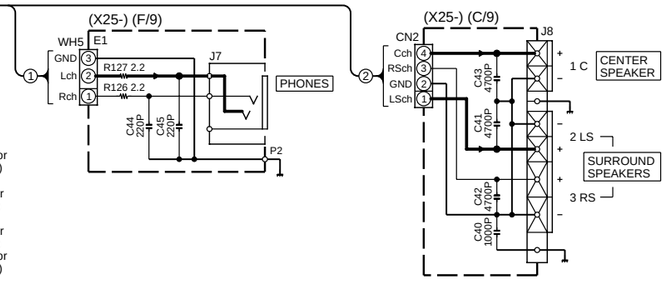

(X35-223X-XX) : USED KRF-V9993D
KRF-V9993D (X35-2232-71)
DESTINATION
COUNTRY
ABB.
UNIT No.
GENERAL MARKET M
AUSTRALIA X
U.K. T
EUROPE E
2-71
YES
X13-A/5 -CN9
3/6
VIDEO4 INPUT
DVD INPUT
MONITOR OUT
VIDEO SELECTOR
IC1-3
CONTRAST
Y/Cb/Cr DECODER
SUB COLOR
COMPOSITE/ SEPARATE CHANGE OVER
COMPARATOR
HORIZONTAL FREQUENCY DISCRIMINATOR (50/60Hz)
HD SIGNAL INVERTER
HD/VD OUTPUT
DECODE MODE CHANGE OVER
+5.0V AVR
Y SIGNAL
C SIGNAL
IC1 : BA7613F
IC2,3 : BA7612F
IC5 : uPC1830GT
IC6 : AN5560
IC7 : BA7071F
IC8 : uPC29M05HB
IC10 : NJM4565M
Q1,3,4,11,14 : 2SC4116(Y,GR) or 2SC4177(L5,L6)
Q2 : 2SA1586(Y,GR) or 2SA1611(M5,M6)
Q5,9,10,12,13 : DTC124EUA or UN5212
Q6 : DTC143TUA or UN5216
Q7,8 : DTA124EUA or UN5112
D1 : DAN202U or 1SS301
D2 : UDZ11B
D4 : DA204U or 1SS302
X08-CN4
2/6
X11-A/4 -CN305
4/6
X11-A/4 -E301
4/6
X11-A/4 -CN311
4/6
CN1
CK DET
CTRL B
C DET
G. GND
CTRL A2
FSC CTL
CTRL A
CN2
V-SEL
CVBS/Y
Y-DET
SEP. C
V. VDD(+6V)
VCC(+17V)

(X07-3XXX-XX) (A/5)



(X07-)

Q1,2,51,52,101	: 2SC2878(B)	D1-4,51-54,101,102,104,201-206, 251-256,301-303,351-354,381, 382,501-504,509,511,512	: 1SS133 or HSS104A
Q3-6,55-58,102,103,207,208, 257,258,304,383,384,424	: 2SA992(F,E)	D207-210,257-260,304,305	: 1SS244
Q7,8,59,60,106	: 2SA1123(R,S)	D383,384	: MTZJ4.7(B) or RD4.7ES(B2)
Q9-12,61-64,104,105	: 2SC2631(R,S)	D402	: UDZ13B
Q107,401	: DTC124EUA or UN5212	D403	: MTZJ15(B) or RD15ES(B2)
Q108,406,407	: 2SC1740S(Q,R) or 2SC2458(Y,GR)	D403	: UDZ15B
Q201,202,251,252,301	: TRAIT6N✳5	D404,405,423	: MTZJ18(B) or RD18ES(B2)
Q203,204,253,254,302	: TRAIT6P✳5	D406	: MTZJ5.1(B) or RD5.1ES(B2)
Q205,206,255,256,303,381,382	: 2SC1845(F,E)	D407,505-508,510	: S5688B or 1SR139-400
Q351-353,501	: DTC113ZSA or UN4219	D408,409	: MTZJ20(B) or RD20ES(B2)
Q402,404,423	: DTC113ZUA or UN5219	D421	: UDZ10B
Q405	: 2SD2061 or 2SD2012	D422,423	: UDZ11B
Q408	: 2SA1110(R,S)	D424	: UDZ8.2B
Q421	: 2SC3944A	D513	: RBV-1506LFA
Q422	: 2SC1622A(16-8	D514	: RBV-4102LFA
Q425	: 2SA1535A	D601	: UDZ5.1B
Q502	: 2SC2003(L,K)	D602	: MA111
Q601-605	: 2SA1586(Y,GR)	D603,604	: U1BC44



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KRF-V9993D (X07-315X-XX)

DESTINATION		UNIT No.	Ⓐ	Ⓑ	C5,6, 103	C351-354, 359-362,367,368	C355,356, 363,364,369	C424	C504	C507, 508	C510	C601	R19,20, 75,76,110	R25,26, 81,82,113	R201- 204	R421, 422	R502	D603	D604	F1	F3	WH11,12	WH28, 32	WH29, 31	W502	W503	W505	W651, 652	J2	CN35, 36	T1
COUNTRY	ABB.																													
GENERAL MARKET	M	0-21	YES	NO	270P	YES	NO	100u100	NO	12000u73	YES	YES	1.6K	5.6K	18 1/4W	56 1/4W	NO	YES	NO	250V T3.15AL	NO	YES	NO	YES	NO	YES	NO	YES	E30-0149-05	NO	L07-2834-05
AUSTRALIA	X	0-71																											E30-0325-05		
U.K.	T	0-51								12000u63	NO		2K	5.1K															E30-0310-05	YES	L07-2833-05
EUROPE	E	2-71																			YES		YES	NO	NO				E30-0149-05	NO	

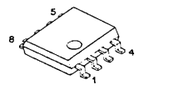
KRF-V7773D (X07-3XXX-XX)

DESTINATION		UNIT No.	Ⓐ	Ⓑ	C5,6, 103	C351-354, 359-362,367,368	C355,356, 363,364,369	C424	C504	C507, 508	C510	C601	R19,20, 75,76,110	R25,26, 81,82,113	R201- 204	R421, 422	R502	D603	D604	F1	F3	WH11,12	WH28, 32	WH29, 31	W502	W503	W505	W651, 652	J2	CN35, 36	T1
COUNTRY	ABB.																													
PX	Y	152-91	YES	YES	270P	YES	NO	47u100	NO	8200u73	YES	YES	1.6K	5.6K	18 1/4W	1 1/4W	NO	YES	NO	250V T3.15AL	NO	YES	NO	YES	NO	YES	NO	NO	E30-0148-05	NO	L07-2834-05
GENERAL MARKET	M	150-22																			YES							YES	E30-0149-05		
AUSTRALIA	X	150-72																											E30-0325-05		
EUROPE	E	152-71		NO				100u100		12000u63	NO		2K	5.1K		56 1/4W							NO	YES	NO	YES	NO		E30-0149-05		L07-2833-05
CHANGHAI	V	202-10		YES				47u100		8200u73			1.6K	5.6K		1 1/4W				250V T3.15AL	NO		YES	NO	YES		NO		E30-0361-05		

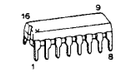
KRF-V7773D-B (X07-315X-XX)

DESTINATION		UNIT No.	Ⓐ	Ⓑ	C5,6, 103	C351-354,359-362, 367,368,601	C355,356,363, 364,369,504,510	C424	C507, 508	R19,20, 75,76,110	R25,26, 81,82,113	R201- 204	R421, 422	R502	D603	D604	F1	F3	WH11,12, 28,32	WH29, 31	W502, 651,652	W503	W505	J2	CN35, 36	T1
COUNTRY	ABB.																									
EUROPE	E	2-71	YES	NO	270P	YES	NO	100u100	12000u63	2K	5.1K	18 1/4W	56 1/4W	NO	YES	NO	250V T3.15AL	YES	YES	NO	YES	NO	NO	E30-0149-05	NO	L07-2833-05
U.K.	T	0-51																NO				YES	NO	E30-0310-05	YES	

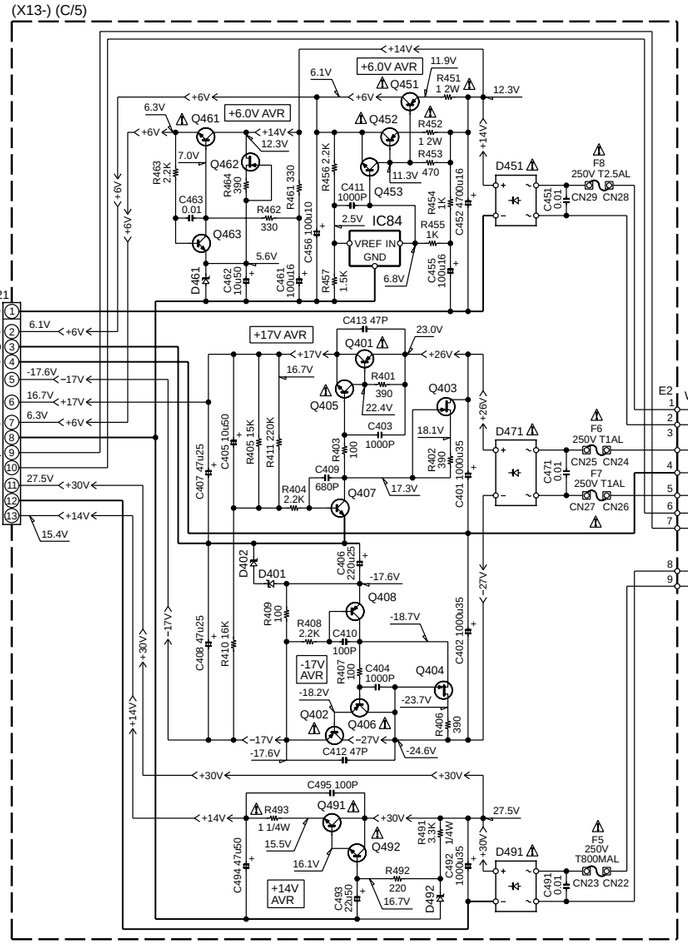
NJM4565M
NJM4565MD
NJM4580ED
TC4W53FU



TC9184AP



TA8409S

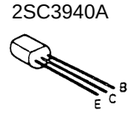


(X13-) (C/5)

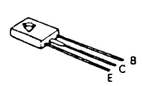
IC84	: LM431AIZ	
Q401,402,451,452	: 2SB1370 or 2SB1375	
Q403,404,462	: 2SK246(Y,GR)	
Q405,407,453,463,492	: 2SC4081(R,S) or 2SC4116(Y,GR)	
Q406,408	: 2SA1576A(R,S) or 2SA1586(Y,GR)	
Q461,491	: 2SD2061 or 2SD2012	
D401,402	: UDZ8.2B	
D451	: D4SBL20UF03	
D461	: UDZ5.6B	
D471	: S1ZB20(4072)	
D491	: KBP02ML-6127	
D492	: UDZ16B	

2SA1123
2SA992
2SC1845
2SC2003
2SC2631

2SC2878
2SC3940A



2SA1110



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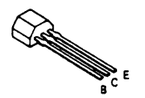
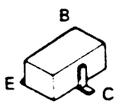
2SC2458



DTC143TUA
UN5116
UN5119
UN5216
UN5219
2SA1576A

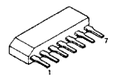
2SA1586
2SC4116



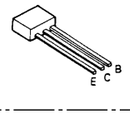
2SA1535A
2SB1370
2SC3944A

2SD2061

AN5560

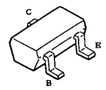


UN4219

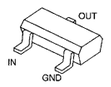


2SB1375
2SD2012

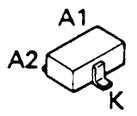
2SC4081
2SD1757K



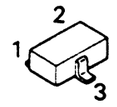
DTA124EUA
DTA143TUA
DTC124EUA



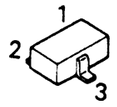
DAN202U



DAP202U
DA204U



UN5212

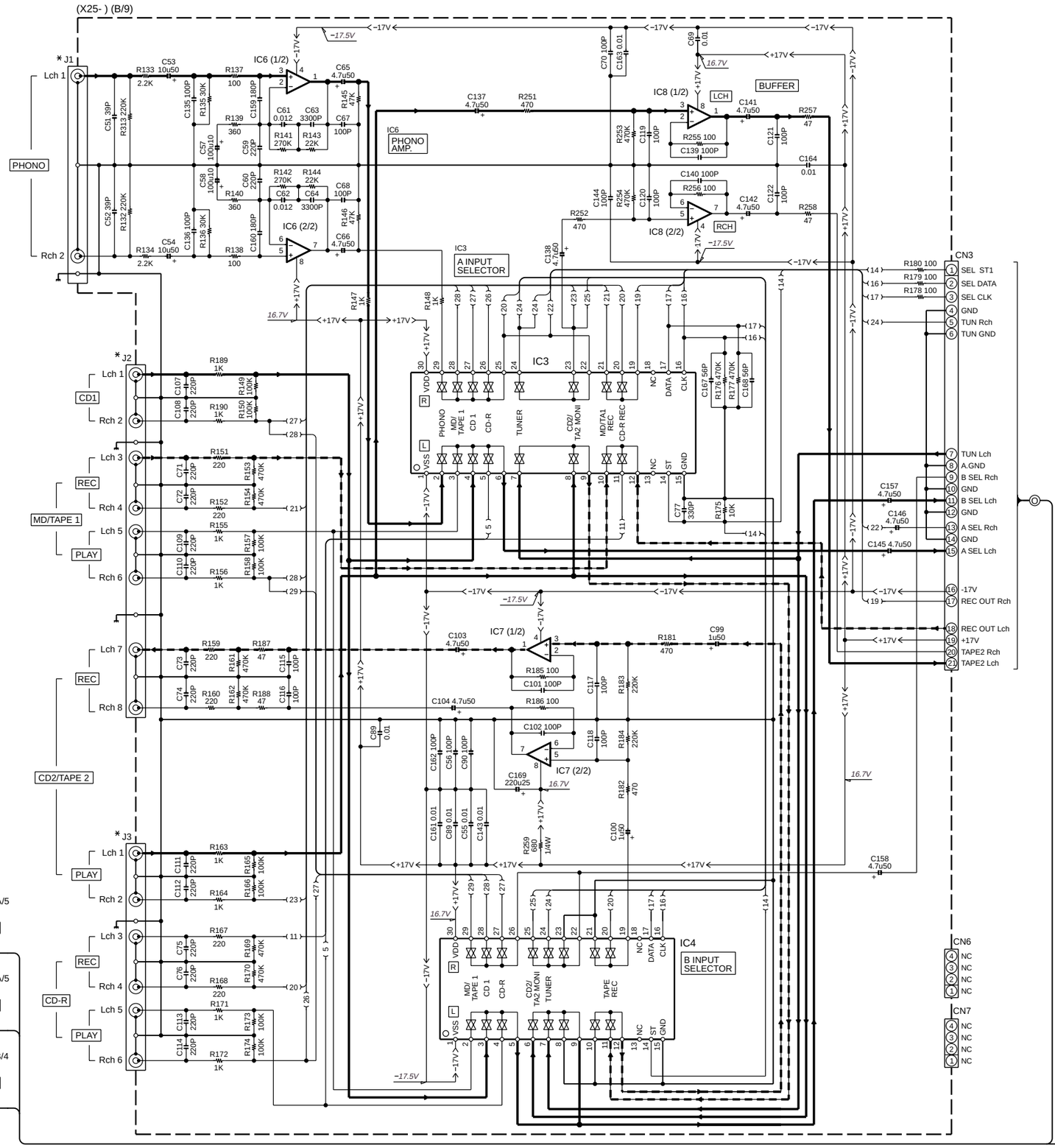


KRF-V7773D/V7773D-B/V9993D (5/6)

KRF-V7773D/V7773D-B/V9993D

Y05-4090-21

KENWOOD



KRF-V7773D (X25-63XX-XX)

DESTINATION		UNIT No.	R6,82-85, 91,92	R107-110,116, 117,125,128	R118	C28	C29, 30	D11	D15-18, 24,25	D29	IC2
COUNTRY	ABB.										
PX	Y	22-71	270	NO	YES	YES	NO	B30-2548 (GREEN)	B30-2573(RED)	NO	NO
GENERAL MARKET	M										
AUSTRALIA	X										
EUROPE	E										
SHANGHAI	V	52-10									

DESTINATION		CN1	A1	S18	W159,188, 189,215	W107-109	J1	J2	J3
COUNTRY	ABB.								
PX	Y	NO	YES	NO	NO	YES	E63-1108 (SILVER)	E63-1112 (SILVER)	E63-1164 (SILVER)
GENERAL MARKET	M								
AUSTRALIA	X								
EUROPE	E								
SHANGHAI	V								

KRF-V7773D-B (X25-6322-71)

DESTINATION		UNIT No.	R6,82-85, 91,92	R107-110,116, 117,125,128	R118	C28	C29, 30	D11	D15-18, 24,25	D29	IC2
COUNTRY	ABB.										
EUROPE	E	2-71	270	NO	YES	YES	NO	B30-2548 (GREEN)	B30-2573(RED)	NO	NO
U.K.	T										

DESTINATION		CN1	A1	S18	W159,188, 189,215	W107-109	J1	J2	J3
COUNTRY	ABB.								
EUROPE	E	NO	YES	NO	NO	YES	E63-1108 (SILVER)	E63-1112 (SILVER)	E63-1164 (SILVER)
U.K.	T								

KRF-V9993D (X25-6320-01)

DESTINATION		UNIT No.	R6,82-85, 91,92	R107-110,116, 117,118,125,128	C28, 29,30	D11,15-18, 24,25	D29	IC2
COUNTRY	ABB.							
GENERAL MARKET	M	0-01	220	YES	YES	B30-2571 (BLUE)	YES	YES
AUSTRALIA	X							
U.K.	T							
EUROPE	E							

DESTINATION		CN1	A1	S18	W107-109,159, 188,189,215	J1	J2	J3
COUNTRY	ABB.							
GENERAL MARKET	M	YES	YES	YES	YES	E63-1109 (GOLD)	E63-1113 (GOLD)	E63-1111 (GOLD)
AUSTRALIA	X							
U.K.	T							
EUROPE	E							

IC1 : UPD780204-038
IC2 : TA8409S
IC3 : NJU7313AM
IC4 : NJU7312AM
IC6 : NJM4580ED
IC7,8 : NJM4565MD

Q1-3 : 2SC3940A(R,S)
Q4,7-16 : DTC124EUA or UN5212
Q5,6 : DTA124EUA or UN5112

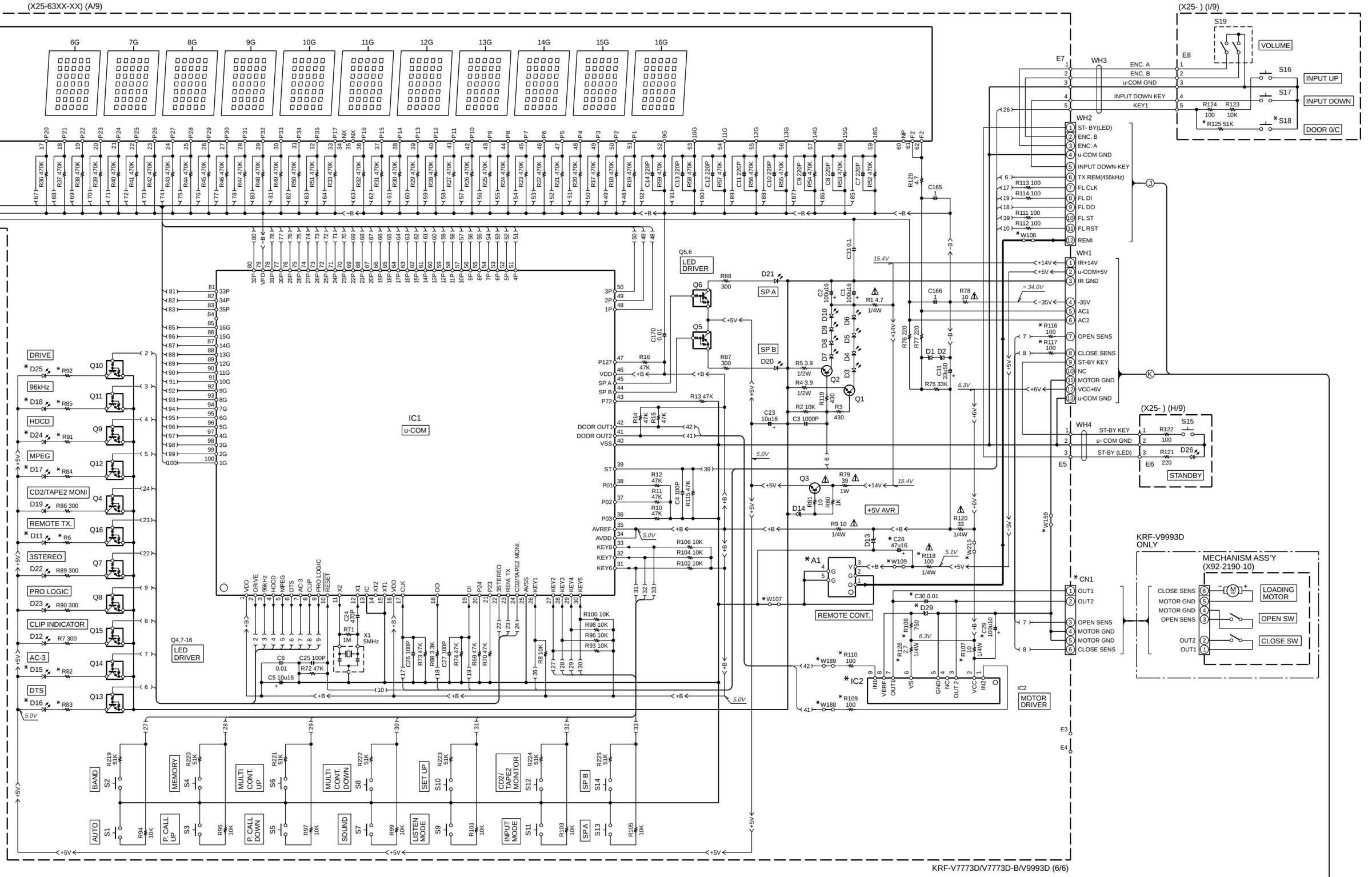
D1,2,29 : MTZJ3.3(B) or RD3.3ES(B2)
D3-10 : B30-2532-05
D11 : ⁎
D12,19-23 : B30-2430-05
D13 : MTZJ5.1(B) or RD5.1ES(B2)
D14 : MTZJ5.6(B) or RD5.6ES(B2)
D15-18,24,25 : ⁎
D26 : B30-2573-05

ED1 : 16-MT-62GK

DIGITAL LINE
SIGNAL LINE
GND LINE
+B LINE
−B LINE

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. 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. The measurement value may vary depending on the measuring instruments used or on the product. Refer to the voltage during PLAY unless otherwise specified; The value shown in ( ) is the voltage measured at the moment of STOP.

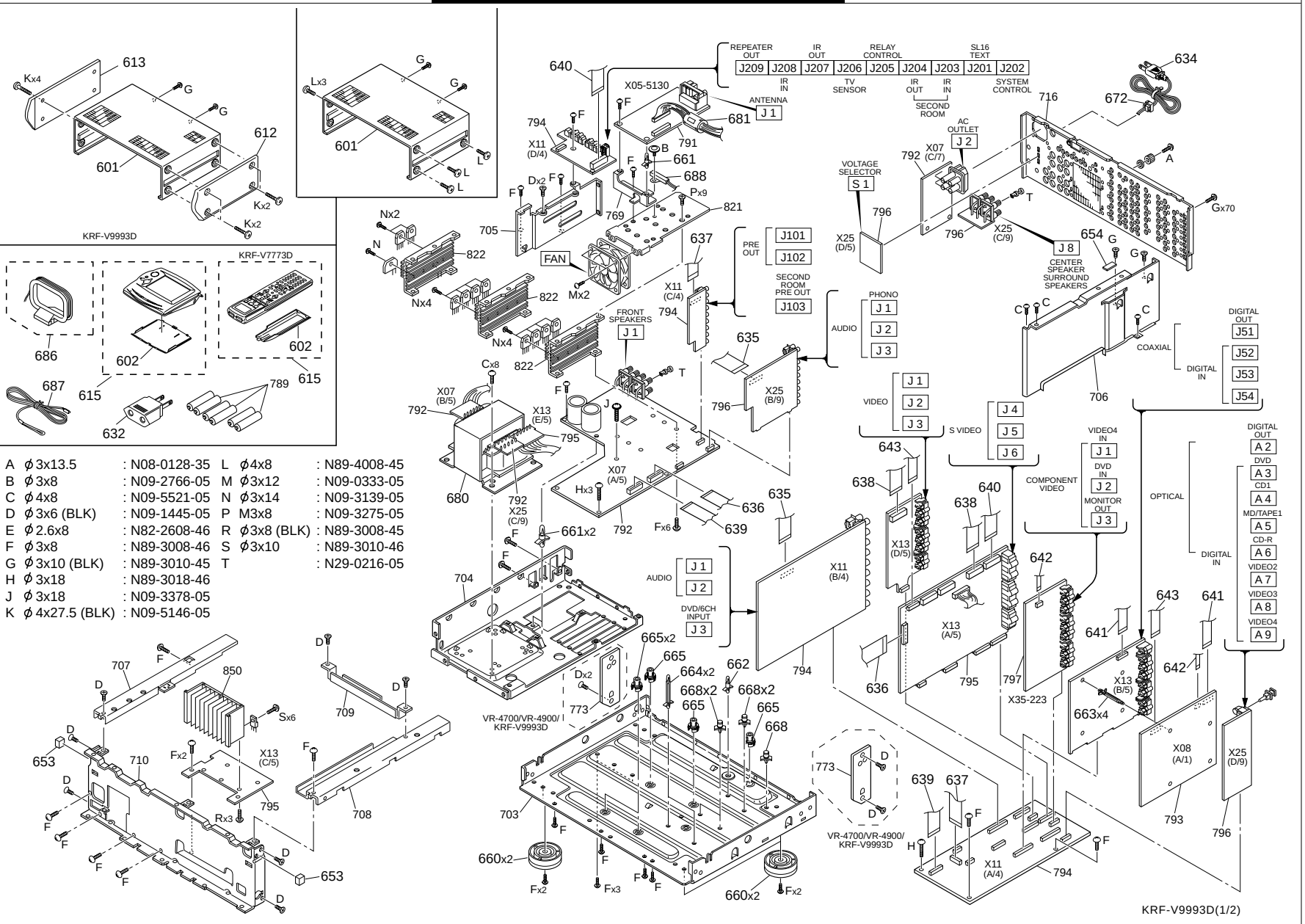


Y05-4090-21

KRF-V7773D/V7773D-B/V9993D

KENWOOD

EXPLODED VIEW (UNIT)



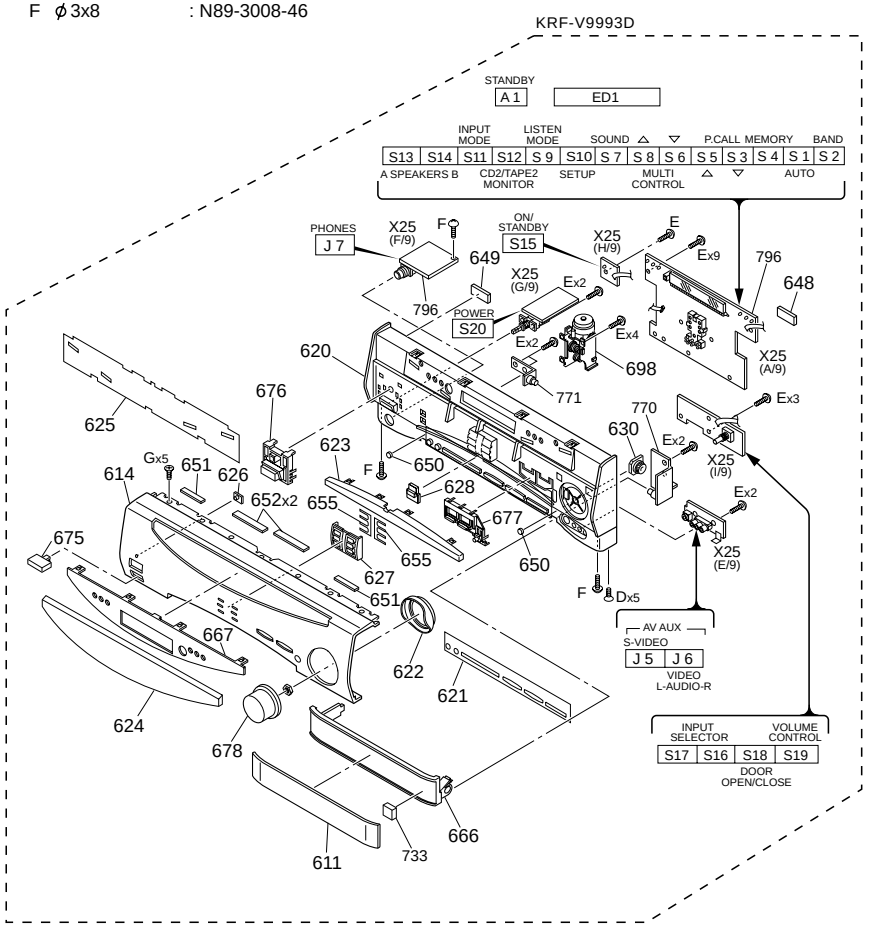
A	φ3x13.5	: N08-0128-35	L	φ4x8	: N89-4008-45
B	φ3x8	: N09-2766-05	M	φ3x12	: N09-0333-05
C	φ4x8	: N09-5521-05	N	φ3x14	: N09-3139-05
D	φ3x6 (BLK)	: N09-1445-05	P	M3x8	: N09-3275-05
E	φ2.6x8	: N82-2608-46	R	φ3x8 (BLK)	: N89-3008-45
F	φ3x8	: N89-3008-46	S	φ3x10	: N89-3010-46
G	φ3x10 (BLK)	: N89-3010-45	T		: N29-0216-05
H	φ3x18	: N89-3018-46			
J	φ3x18	: N09-3378-05			
K	φ4x27.5 (BLK)	: N09-5146-05			

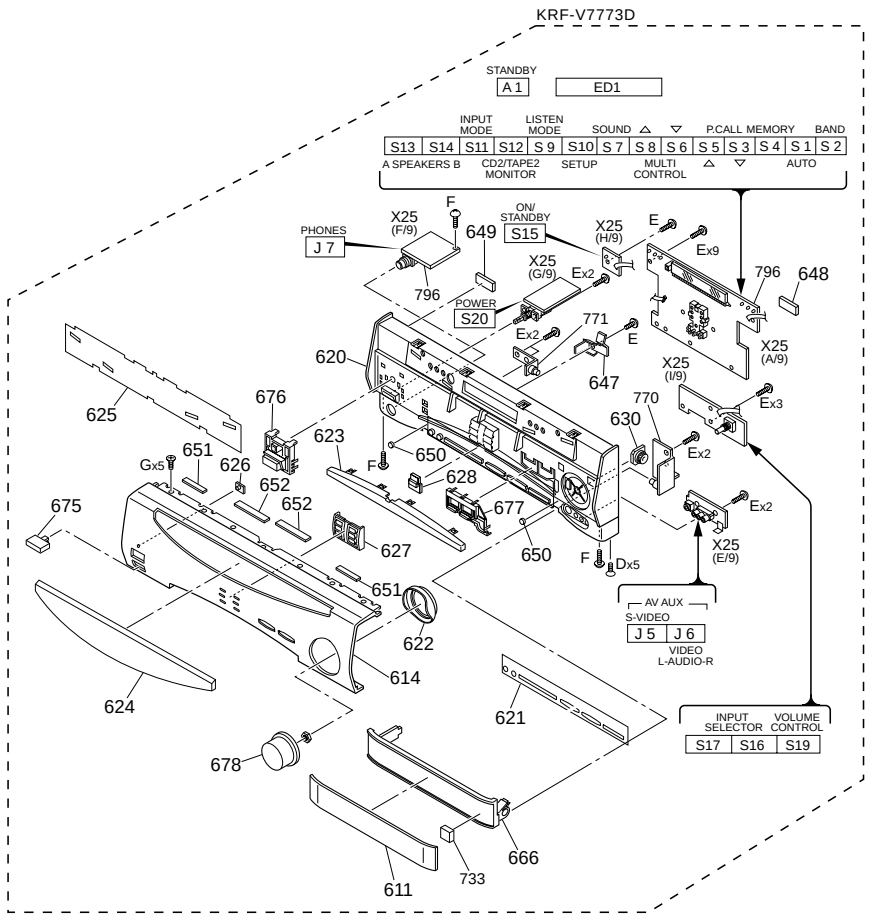
Parts with exploded numbers larger than 700 are not supplied.

KRF-V7773D/V7773D-B/V9993D

EXPLODED VIEW (UNIT)

D ϕ3x6 (BLK) : N09-1445-05
E ϕ2.6x8 : N82-2608-46
F ϕ3x8 : N89-3008-46





VR-4900/KRF-V9993D,VR-4080-B/VR-4090-B/KRF-V7773D (2/2)

Parts with exploded numbers larger than 700 are not supplied.

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

❶

Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
KRF-V7773D/V7773D-B (E2,T)						
601	1A	✻	A01-3746-11	METALLIC CABINET	YMXVE1	
601	1A	✻	A01-3748-11	METALLIC CABINET	E2T	
602	2F	✻	A09-1166-08	BATTERY COVER		
611	2F	✻	A29-1084-13	PANEL	YMXV	
611	2F	✻	A29-1091-13	PANEL	E1	
611	2F	✻	A29-1092-13	PANEL	E2T	
614	2F	✻	A60-1774-02	PANEL	YMXE1	
614	2F	✻	A60-1775-02	PANEL	V	
614	2F	✻	A60-1784-02	PANEL	E2T	
615	1A	✻	A70-1313-05	REMOTE CONTROLLER (RC-R0912)	YMXV	
615	1A	✻	A70-1344-05	REMOTE CONTROLLER (RC-R0910)	E1E2T	
620	1F	✻	B01-0540-11	PANEL ESCUTCHEON	YMXVE1	
620	1F	✻	B01-0541-11	PANEL ESCUTCHEON	E2T	
621	2F	✻	B03-3859-03	DRESSING PLATE	YMXVE1	
621	2F	✻	B03-3860-03	DRESSING PLATE	E2T	
622	2F	✻	B07-2495-04	ESCUTCHEON	YMXVE1	
622	2F	✻	B07-2496-04	ESCUTCHEON	E2T	
623	1F	✻	B10-3569-02	FRONT GLASS		
624	2E	✻	B10-3570-03	FRONT GLASS		
625	1E	✻	B11-1501-03	COLOR FILTER		
626	1E	✻	B12-0390-04	INDICATOR		
627	2F	✻	B12-0391-14	INDICATOR		
628	1F	✻	B12-0392-04	INDICATOR		
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	E1E2T	
-			B46-0330-03	WARRANTY CARD	Y	
-			B46-0344-03	WARRANTY CARD	V	
-			B46-0350-00	QUESTIONAIRE CARD	T	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-			B58-0945-03	CAUTION CARD	T	
-			B58-0964-13	CAUTION CARD (UL)	Y	
-			B58-0965-13	CAUTION CARD (PL)	XT	
-			B58-0966-13	CAUTION CARD (PL)	ME1E2	
-			B58-1546-03	CAUTION CARD	V	
-			B59-1104-00	SERVICE DIRECTORY	Y	
-		✻	B60-4487-00	INSTRUCTION MANUAL(EN)	YMXT	
-		✻	B60-4488-00	INSTRUCTION MANUAL(FR)	E1E2	
-		✻	B60-4489-00	INSTRUCTION MANUAL(GE)	E1E2	
-		✻	B60-4490-00	INSTRUCTION MANUAL (NE)	E1E2	
-		✻	B60-4491-00	INSTRUCTION MANUAL (IT)	E1E2	
-		✻	B60-4492-00	INSTRUCTION MANUAL (ES)	ME1E2	
-		✻	B60-4493-00	INSTRUCTION MANUAL (TC)	M	
-		✻	B60-4496-00	INSTRUCTION MANUAL (SC)	V	
-		✻	B60-4645-00	INSTRUCTION MANUAL (EN)	YMXT	
-		✻	B60-4646-00	INSTRUCTION MANUAL (FR)	E1E2	
-		✻	B60-4647-00	INSTRUCTION MANUAL (GE)	E1E2	
-		✻	B60-4648-00	INSTRUCTION MANUAL (NE)	E1E2	
-		✻	B60-4649-00	INSTRUCTION MANUAL (IT)	E1E2	
-		✻	B60-4650-00	INSTRUCTION MANUAL (ES)	ME1E2	
-		✻	B60-4651-00	INSTRUCTION MANUAL (TC)	M	
-		✻	B60-4654-00	INSTRUCTION MANUAL (SC)	V	
630	1F	✻	D39-0347-05	DAMPER		

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

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

❷

Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
⚠ 632	1A		E03-0115-05	AC PLUG ADAPTER	M	
⚠ 634	1C		E30-2789-05	AC POWER CORD	Y	
⚠ 634	1C		E30-2790-05	AC POWER CORD	X	
⚠ 634	1C		E30-2791-05	AC POWER CORD	T	
⚠ 634	1C		E30-2824-05	AC POWER CORD	V	
⚠ 634	1C		E30-2842-05	AC POWER CORD	ME1E2	
635	1B,2B	✻	E35-2481-05	FLAT CABLE 21P,80MM		
636	2B,2C	✻	E35-2482-05	FLAT CABLE 19P,220MM		
637	1B,2C	✻	E35-2483-05	FLAT CABLE 15P,340MM		
638	2C	✻	E35-2485-05	FLAT CABLE 17P,80MM		
639	2B,2C	✻	E35-2486-05	FLAT CABLE 15P,80MM		
640	1B,2C	✻	E35-2511-15	FLAT CABLE 17P,190MM		
641	2C	✻	E35-2512-05	FLAT CABLE 29P,P=1.0		
643	1C,2C	✻	E35-2514-05	FLAT CABLE 21P,P=1.0		
647	1F	✻	G02-1701-04	FLAT SPRING DOOR		
648	1F	✻	G10-0541-04	NON-WOVEN FABRIC		
649	1F	✻	G10-0542-04	NON-WOVEN FABRIC		
650	1F,2F	✻	G11-2719-04	CUSHION DOOR		
651	1E,2F	✻	G11-2730-04	SOFT TAPE PANEL		
652	1F	✻	G11-2731-04	SOFT TAPE		
653	1A	✻	G11-2743-14	CUSHION		
654	1C	✻	G11-2741-04	CUSHION FRAME		
-		✻	H10-7636-12	POLYSTYRENE FOAMED FIXTURE		
-		✻	H10-7637-12	POLYSTYRENE FOAMED FIXTURE		
-		✻	H13-0050-04	CARTON BOARD	E1E2	
-		✻	H13-0330-14	CARTON BOARD		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	E1E2	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	YMXV	
-			H25-0651-04	PROTECTION BAG	T	
-			H25-0692-04	PROTECTION BAG		
-		✻	H50-3572-04	ITEM CARTON CASE	M	
-		✻	H50-3573-04	ITEM CARTON CASE	V	
-		✻	H50-3574-04	ITEM CARTON CASE	YX	
-		✻	H50-3580-04	ITEM CARTON CASE	E2T	
-		✻	H50-3755-04	ITEM CARTON CASE	E1	
660	2B	✻	J02-1467-03	FOOT (D=60,H=21.5)		
661	1B,2B		J19-5910-05	UNIT HOLDER		
662	2B		J19-5911-05	UNIT HOLDER		
663	2C	✻	J19-5915-05	UNIT HOLDER		
664	2B		J19-5919-05	UNIT HOLDER		
665	2B		J19-6002-04	UNIT HOLDER		
666	2F	✻	J19-6053-12	HOLDER	YMXVE1	
666	2F	✻	J19-6068-12	HOLDER	E2T	
668	2B	✻	J19-6069-05	UNIT HOLDER		
⚠ 672	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
675	1F	✻	K27-2388-04	KNOB (BUTTON)	YMXVE1	
675	1F	✻	K27-2398-04	KNOB (BUTTON)	E2T	
676	1F	✻	K29-7727-04	KNOB	YMXVE1	
676	1F	✻	K29-7729-04	KNOB	E2T	
677	1F	✻	K29-7739-03	KNOB	YMXVE1	
677	1F	✻	K29-7740-03	KNOB	E2T	
678	2E	✻	K29-7742-04	KNOB	YMXVE1	
678	2E	✻	K29-7743-04	KNOB	E2T	

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❸

Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
⚠ 680	2B	✻	L07-2822-05	POWER TRANSFORMER	YM	
⚠ 680	2B	✻	L07-2826-05	POWER TRANSFORMER	E1E2T	
⚠ 680	2B	✻	L07-2851-05	POWER TRANSFORMER	V	
⚠ 680	2B	✻	L07-2852-05	POWER TRANSFORMER	X	
681	1B		L92-0070-05	FERRITE CORE		
686	1A		T90-0852-05	LOOP ANTENNA		
687	1A	✻	T90-0855-05	LEAD WIRE ANTENNA		
688	1B	✻	DP40203SG104H	THERMISTOR		
			KRF-V9993D			
601	1A	✻	A01-3747-11	METALLIC CABINET		
602	1A	✻	A09-1177-08	BATTERY COVER		
611	2D	✻	A29-1084-13	PANEL	MX	
611	2D	✻	A29-1091-13	PANEL	TE	
612	1A	✻	A50-1344-02	SIDE PLATE		
613	1A	✻	A50-1345-02	SIDE PLATE		
614	1D	✻	A60-1780-02	PANEL		
615	1A	✻	A70-1350-05	REMOTE CONTROLLER (RC-R1011)	MX	
615	1A	✻	A70-1351-05	REMOTE CONTROLLER (RC-R1010)	TE	
620	1D	✻	B01-0540-11	PANEL ESCUTCHEON		
621	2D	✻	B03-3859-03	DRESSING PLATE		
622	2D	✻	B07-2495-04	ESCUTCHEON		
623	1D	✻	B10-3570-03	FRONT GLASS IR		
624	1D	✻	B10-3571-02	FRONT GLASS FL		
625	1D	✻	B11-1505-03	COLOR FILTER		
626	1D	✻	B12-0390-04	INDICATOR		
627	2D	✻	B12-0391-14	INDICATOR		
628	1D	✻	B12-0392-04	INDICATOR		
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0310-03	WARRANTY CARD	TE	
-			B46-0350-00	QUESTIONAIRE CARD	T	
-			B58-0945-03	CAUTION CARD	T	
-			B58-0965-13	CAUTION CARD (PL)	XT	
-			B58-0966-13	CAUTION CARD (PL)	ME	
-		✻	B60-4502-00	INSTRUCTION MANUAL(EN)	MXT	
-		✻	B60-4503-00	INSTRUCTION MANUAL(FR)	E	
-		✻	B60-4504-00	INSTRUCTION MANUAL(GE)	E	
-		✻	B60-4505-00	INSTRUCTION MANUAL(NE)	E	
-		✻	B60-4506-00	INSTRUCTION MANUAL(IT)	E	
-		✻	B60-4507-00	INSTRUCTION MANUAL(ES)	E	
-		✻	B60-4508-00	INSTRUCTION MANUAL(TC)	M	
-		✻	B60-4660-00	INSTRUCTION MANUAL(EN)	MXT	
-		✻	B60-4661-00	INSTRUCTION MANUAL(FR)	E	
-		✻	B60-4662-00	INSTRUCTION MANUAL(GE)	E	
-		✻	B60-4663-00	INSTRUCTION MANUAL(NE)	E	
-		✻	B60-4664-00	INSTRUCTION MANUAL(IT)	E	
-		✻	B60-4665-00	INSTRUCTION MANUAL(ES)	E	
-		✻	B60-4666-00	INSTRUCTION MANUAL(TC)	M	
630	1E	✻	D39-0334-15	DAMPER		
⚠ 632	1A		E03-0343-05	AC PLUG ADAPTER	M	
⚠ 634	1C		E30-2790-05	AC POWER CORD	X	
⚠ 634	1C		E30-2791-05	AC POWER CORD	T	
⚠ 634	1C	✻	E30-2943-05	AC POWER CORD	ME	
635	1B,2B	✻	E35-2481-05	FLAT CABLE 21P,80MM		

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❹

Ref. No	Address	New Parts	Parts No.	Description	Destination	Remarks
636	2B,2C	✻	E35-2482-05	FLAT CABLE 19P,220MM		
637	1B,2C	✻	E35-2483-05	FLAT CABLE 15P,340MM		
638	2C	✻	E35-2485-05	FLAT CABLE 17P,80MM		
639	2B,2C	✻	E35-2486-05	FLAT CABLE 15P,80MM		
640	1B,2C	✻	E35-2511-15	FLAT CABLE 17P,190MM		
641	2C	✻	E35-2512-05	FLAT CABLE 29P,P=1.0		
642	2C	✻	E35-2513-05	FLAT CABLE 7P,P=1.0		
643	1C,2C	✻	E35-2514-05	FLAT CABLE 21P,P=1.0		
648	1E	✻	G10-0541-04	NON-WOVEN FABRIC		
649	1D	✻	G10-0542-04	NON-WOVEN FABRIC		
650	1D,2D	✻	G11-2719-04	CUSHION DOOR		
651	1D,2D	✻	G11-2730-04	SOFT TAPE PANEL		
652	1D	✻	G11-2731-04	SOFT TAPE		
653	2A	✻	G11-2743-14	CUSHION SUB PANEL		
654	1C	✻	G11-2761-04	CUSHION		
655	1D,2D	✻	G11-2762-04	CUSHION		
-		✻	H10-7638-12	POLYSTYRENE FOAMED FIXTURE		
-		✻	H10-7639-12	POLYSTYRENE FOAMED FIXTURE		
-		✻	H10-7664-12	POLYSTYRENE FOAMED FIXTURE		
-		✻	H11-0099-04	POLYSTYRENE FOAMED BOARD		
-		✻	H12-3440-04	PACKING FIXTURE		
-		✻	H13-0050-04	CARTON BOARD	E	
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	MXE	
-			H25-0651-04	PROTECTION BAG	T	
-		✻	H25-1671-04	PROTECTION BAG		
-		✻	H50-3578-14	ITEM CARTON CASE	M	
-		✻	H50-3579-14	ITEM CARTON CASE	XTE	
660	2B	✻	J02-1467-03	FOOT (D=60,H=21.5)		
661	1B,2B		J19-5910-05	UNIT HOLDER H=8.4		
662	2B		J19-5911-05	UNIT HOLDER H=11.6		
663	2C	✻	J19-5915-05	UNIT HOLDER H=24.2		
664	2B		J19-5919-05	UNIT HOLDER H=36.8		
665	2B		J19-6002-04	UNIT HOLDER		
666	2D		J19-6053-12	HOLDER		
667	2D	✻	J19-6054-02	HOLDER		
668	2B	✻	J19-6069-05	UNIT HOLDER		
⚠ 672	1C		J42-0083-05	POWER CORD BUSHING	XT	
⚠ 672	1C		J42-0157-05	POWER CORD BUSHING	ME	
-			J61-0307-05	WIRE BAND		
675	2D	✻	K27-2388-04	KNOB (BUTTON)		
676	1D	✻	K29-7727-04	KNOB		
677	1D	✻	K29-7728-03	KNOB		
678	2D	✻	K29-7742-04	KNOB		
⚠ 680	2B	✻	L07-2825-05	POWER TRANSFORMER	M	
⚠ 680	2B	✻	L07-2826-05	POWER TRANSFORMER	TE	
⚠ 680	2B	✻	L07-2854-05	POWER TRANSFORMER	X	
681	2B		L92-0070-05	FERRITE CORE		
686	1A		T90-0852-05	LOOP ANTENNA		
687	1A	✻	T90-0855-05	LEAD WIRE ANTENNA		
688	1B	✻	DP40203SG104H	THERMISTOR		
698	1E	✻	X92-2190-10	MECHANISM ASSY		

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PARTS LIST

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TUNER (X05-5130-71/ 5142-10)

Ref. No	New Parts	Parts No.	Destination	Remarks
C1		CK73FB1H332K		
C2 ,3		CK73FB1H103K	ET	
C3		CK73FB1H103K	YMXV	
C5 ,6		CK73FB1H103K		
C7		CE04KW1C470M		
C10		CE04KW1C470M		
C11 ,12		CK73FB1H473K		
C14		CE04KW1H100M		
C15		CE04KW1H010M		
C16		CE04RW1HR47M		
C17		CE04KW1H010M		
C18		CC73FCH1H470J		
C19		CE04RW1A100M		
C20		CK73FB1H473K		
C21		CE04RW1V3R3M		
C22		CK73FB1H473K		
C23		CE04KW1H100M		
C24		CC73FCH1H331J	ET	
C24 ,25		CC73FCH1H331J	YMXV	
C25		CC73FCH1H181J	ET	
C26		CK73FB1H183K		
C27		CE04HW1E4R7M		
C28 ,29		CE04KW1H2R2M		
C30 ,31		CK73FB1H223K		
C32		CE04KW1H4R7M		
C33 ,34		CK73FB1H103K	YMV	
C36		CK73FB1H103K		
C37 ,38		CE04KW1H100M		
C41		CC73FCH1H470J		
C42		CC73FCH1H270J		
C43		CC73FCH1H220J		
C44		CC73FCH1H471J		
C45		CC73FCH1H220J		
C46		CE04KW1H100M		
C47		CK73FB1H102K		
C48		CE04KW1C470M		
C49		CE04KW1H2R2M		
C50		CC73FCH1H101J		
C51		CC73FCH1H471J		
C52		CC73FCH1H101J		
C70 ,71		CK73FB1H822K	ET	
C72		CE04KW1H010M		
C73		CE04KW1C470M		
C74		CK73FB1H102K	YMXV	
C75		CC73FCH1H030C		
C76		CC73FCH1H470J		
C77		CC73FCH1H101J	YMV	
C78		CK73FB1H223K		
C79 ,80		CK73FB1H122K	X	
C79 ,80		CK73FB1H152K	YMV	
C79 ,80		CK73FB1H472K	ET	
C81		CK73FF1C105Z		
C82		CK73FB1H103K		
C84 ,85		CK73FB1H332K		
C88		CK73FB1H332K		
C91		CK73FF1C105Z		
C92 ,93		CK73FB1H102K	YMXV	
C94		CK73FB1H561K		
CN1		E40-3259-05		
CN2		E40-4871-05		
J1		E70-0080-05		
CF1 ,2		L72-0531-05	YMXV	
CF1 ,2		L72-0536-05	ET	
L1		L39-1384-05		
L2		L40-1091-82	ET	
L3		L30-0911-05		
L4		L30-0950-05		
L5		L30-0951-05		
L6 ,7		L79-1239-05	ET	
X1		L77-2187-05		
R1		RK73FB2A101J		
R4		RK73FB2A681J		
R5		RK73FB2A332J		
R6		RK73FB2A221J		
R7		RK73FB2A821J		
R8		RK73FB2A100J	ET	
R8		RK73FB2A330J	YMXV	
R9		RK73FB2A391J		
R10		RK73FB2A102J		
R11		RK73FB2A220J	ET	
R11		RK73FB2A330J	YMXV	
R12		RK73FB2A101J		
R14		RK73FB2A101J		
R15		RK73FB2A333J		
R16		RK73FB2A220J		
R17		RK73FB2A362J		
R18		RK73FB2A302J		
R19		RK73FB2A822J		
R20		RK73FB2A392J		
R23		RK73FB2A153J	ET	
R23		RK73FB2A472J	YMV	
R23		RK73FB2A682J	X	
R25		RK73FB2A183J	YMXV	
R25		RK73FB2A273J	ET	
R27 ,28		RK73FB2A432J	ET	
R27 ,28		RK73FB2A682J	YMXV	
R29		RK73FB2A102J	YMV	
R30		RK73FB2A561J	YMV	
R31		RK73FB2A473J	YMV	
R33 ,34		RK73FB2A102J		
R35		RK73FB2A101J	ET	
R36		RK73FB2A102J	ET	
R37		RK73FB2A392J	ET	
R38		RK73FB2A102J	ET	
R39		RK73FB2A103J	ET	
R42		RK73FB2A103J		
R43		RK73FB2A221J		
R44		RD14NB2E271J		
R45		RK73EB2B332J		
R46		RK73FB2A332J		
R47		RK73EB2B332J		
R48		RK73FB2A102J		
R49		RK73FB2A103J		
R50		RD14NB2E471J		
R51		RK73FB2A562J		
R52		RK73FB2A101J		
R53		RK73FB2A222J		
R54		RK73FB2A102J		
R55		RK73FB2A333J		
R56 ,57		RK73FB2A102J		
R58		RK73FB2A123J		
R59		RK73FB2A122J		
R72 ,73		RK73FB2A333J	YMXV	
R72 ,73		RK73FB2A392J	ET	
R74		RK73FB2A473J		
R75		RK73FB2A822J		
R76		RK73FB2A182J		
R78		RK73FB2A821J		
R79		RK73FB2A332J		
R80		RK73FB2A223J	ET	
R81		RS14KB3A151J		
R82		RK73FB2A272J		
R83		RK73FB2A102J		
R84		RK73EB2B332J		
R85 -87		RK73FB2A333J		
R88		RK73FB2A563J		
R89		RK73FB2A333J		
R90		RK73FB2A681J		
VR1		R32-0037-05		
W51 ,52		R92-0670-05		
W54 -56		R92-0670-05	YMV	
W54 ,55		R92-0670-05	T	
W54 ,55		R92-0670-05	XE	
W59 ,60		R92-0670-05		
W62		R92-0670-05		
W80		R92-0679-05		
W82 -85		R92-0679-05	YMXV	
W84 ,85		R92-0679-05	ET	
S1		S62-0034-05	YMV	
D1		DA204U		
D1		MA143A		
D1		1SS302		
D3		MTZJ8.2(B)		
D3		RD8.2ES(B2)		
D4		MTZJ5.1(B)		
D4		RD5.1ES(B2)		
D5		MTZJ2.7(B)		
D5		RD2.7ES(B2)		
D8		MA111		
D9		MTZJ3.3(B)		
D9		RD3.3ES(B2)		
D11		MA111	ET	
D13		MA111		
IC1		LA1837		
IC2		LC72131		
Q1		2SC4081(R,S)		
Q1		2SC4116(Y,GR)		
Q2		2SA1576A(R,S)		
Q2		2SA1586(Y,GR)		
Q3 ,4		2SC4081(R,S)	YMV	
Q3 ,4		2SC4116(Y,GR)	YMV	
Q6 ,7		2SC4081(R,S)	ET	
Q6 ,7		2SC4116(Y,GR)	ET	
Q10 ,11		2SD1757K		
Q12		2SA1576A(R,S)		
Q12		2SA1586(Y,GR)		
Q14		2SA1576A(R,S)		
Q14		2SA1586(Y,GR)		
A1		W02-2584-05	ET	
A1		W02-2622-05	YMXV	

POWER AMP (X07-3152-71/3202-10)

Ref. No	New Parts	Parts No.	Destination	Remarks
C1 -4		CE04KW1H3R3M		
C5 ,6		CC45FSL1H271J		
C7 -10		CC73FSL1H101J		
C11 ,12		CK45FB1H222K		
C15 ,16		CC45FSL1H101J		
C19 ,20		CK45FF1H103Z		
C21 ,22		CC45FSL1H151J		
C23 ,24		CC45FSL2H560J		
C25 ,26		CC45FSL1H070D		
C27 ,28		CE04KW1A221M		
C29 ,30		CE04KW1H100M		
C51 ,52		CE04KW1H3R3M		
C55 ,56		CE04KW1H3R3M		
C57 ,58		CC45FSL1H680J		
C59 ,60		CC73FSL1H101J		
C61 ,62		CK45FB1H222K		
C63 ,64		CC73FSL1H101J		
C67 ,68		CC45FSL1H101J		
C69 ,70		CE04KW1A221M		
C73 ,74		CK45FF1H103Z		
C75 ,76		CE04KW1H100M		
C77 ,78		CC45FSL1H151J		
C79 ,80		CC45FSL2H560J		
C101,102		CE04KW1H3R3M		
C103		CC45FSL1H271J		
C104,105		CC73FSL1H101J		
C106		CK45FB1H222K		
C108		CC45FSL1H101J		
C109		CE04KW1A221M		
C111		CK45FF1H103Z		
C112		CE04KW1H100M		
C113		CC45FSL1H151J		
C114		CC45FSL2H560J		
C115		CC45FSL1H070D		
C116		CE04KW1H220M		
C117		CE04KW1E470M		
C119		CE04KW1H220M		
C201,202		CK73FB1H103K		
C251,252		CK73FB1H103K		
C301		CK73FB1H103K		
C351-354		CF92FV1H224J		
C357,358		CQ93FMG1H272J		
C359-362		CF92FV1H224J		
C365,366		CQ93FMG1H393J		

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Ref. No	New Parts	Parts No.	Destination	Remarks
C367,368		CF92FV1H224J		
C381		CE04KW1A101M		
C382		CE04KW1H4R7M		
C402		CE04KW1V470M		
C403		CE04KW1H220M		
C404		CE04KW1E470M		
C405,406		CE04KW1H100M		
C407		CE04KW2A470M		
C421		CE04KW2A470M		
C422		CE04KW2A100M	YMXV	7
C423		CE04KW1E101M	YMXV	7
C424		CE04KW2A101M		9
C424		CE04KW2A101M	ET	7
C424		CE04KW2A470M	YMXV	7
C425		CE04KW2A100M	YMXV	7
C501-503		CK45FE2H103P		
C505,506		CK45FE2H103P		
C507,508	✻	C90-3866-05	MX	9
C507,508	✻	C90-3867-05	ET	
C507,508	✻	C90-3868-05	YMXV	7
⚠ C509		C91-1488-05		
⚠ C510		C91-1488-05	XTEYM	
⚠ C511		C91-1488-05		
C513		CE04RW1H2R2M		
C514		CE04KW1E102M		
C515		CK45FF1H103Z		
C601		C91-1422-05		
C602		CE04KW1E470M		
C603-605		CC73FSL1H101J		
C613,614		CC45FSL2H100D		
C901,902		CE04KW2A100M		
C903,904		CC73FSL1H102J		
C905-909		CC45FCH1H560J		
CN1		E40-4873-05		
CN2		E40-4875-05		
CN6		E40-8258-05		
CN10		E40-3246-05		
CN11,12		E40-3247-05		
CN13		E40-4294-05		
CN14		E40-8257-05		
⚠ CN21		E40-4245-05		
CN901-903		E40-9837-05		
J1	✻	E70-0118-05		
⚠ J2		E03-0148-05	Y	
⚠ J2		E03-0149-05	ME	
⚠ J2		E03-0310-05	T	
⚠ J2		E03-0325-05	X	
⚠ J2		E03-0361-05	V	
⚠ F1		F50-0101-05	XET	
⚠ F1		F50-0111-05	V	
⚠ F1 ,2		F50-0101-05	YM	
⚠ F3		F50-0100-05	E	
⚠ FAN		F09-0139-05		
CN31,32		J13-0075-05		
CN33,34		J13-0075-05	YM	
CN35,36		J13-0075-05	E	
E3 ,4		J11-0808-05		
L1 ,2		L39-0085-05		
⚠ T1	✻	L07-2833-05	TVXE	
⚠ T1	✻	L07-2834-05	YM	
R11 ,12		RK73FB2A512J		
R23 ,24		RD14NB2E101J		
R29 -32		RD14NB2E221J		
R67 ,68		RK73FB2A512J		
R79 ,80		RD14NB2E101J		
R85 -88		RD14NB2E221J		
R106		RK73FB2A512J		
R112		RD14NB2E101J		
R115,116		RD14NB2E221J		
R118		RK73FB2A183J		
R119		RK73FB2A101J		
R120		RD14NB2E220J		
R201-204		RD14NB2E180J		
R205,206		RD14NB2E151J		
R207-210		RD14NB2E101J		

Ref. No	New Parts	Parts No.	Destination	Remarks
R211,212		RK73FB2A751J		
R213-216		RD14NB2E332J		
R217,218		RK73FB2A751J		
R251-254		RD14NB2E470J		
R255,256		RD14NB2E151J		
R257-260		RD14NB2E101J		
R261,262		RK73FB2A751J		
R263-266		RD14NB2E332J		
R267,268		RK73FB2A751J		
R301,302		RD14NB2E470J		
R303		RD14NB2E151J		
R304,305		RD14NB2E101J		
R306		RK73FB2A751J		
R307,308		RD14NB2E332J		
R309		RK73FB2A751J		
R351-355		RS14KB3D2R7J		
R356-359		RD14NB2E271J		
R360,361		RS14KB3D471J		
R402		RK73FB2A473J		
R404,405		RD14NB2E561J		
R407		RD14NB2E272J		
R414		RD14NB2E682J		
⚠ R415		RD14NB2E1R0J		
R421,422		RD14NB2E1R0J	YMXV	7
R421,422		RD14NB2E560J		9
R421,422		RD14NB2E560J	ET	7
R423		RK73FB2A473J	YMXV	7
R424		RK73FB2A101J	YMXV	7
R425		RD14NB2E272J	YMXV	7
R426		RK73FB2A912J	YMXV	7
R427		RK73FB2A473J	YMXV	7
R428		RK73FB2A101J	YMXV	7
R429		RD14NB2E272J	YMXV	7
R501		RD14NB2E271J		
R507		RK73FB2A103J		
R601		RK73FB2A101J		
R602-606		RK73FB2A472J		
R607		RK73FB2A222J		
R608		RK73FB2A332J		
R901,902		RD14NB2E220J		
VR1 -5		R32-0030-05		
W601-612		R92-0679-05		
W614-625		R92-0679-05		
W627-629		R92-0679-05		
W651,652		R92-0679-05		9
W651,652		R92-0679-05	ET	7
W702-711		R92-0670-05		
W714-717		R92-0670-05		
K1 -4		S76-0076-05		
K5		S76-0063-05		
⚠ K7	✻	S76-0106-05		
⚠ S1		S31-3010-05	YM	
D1 -4		HSS104A		
D1 -4		1SS133		
D51 -54		HSS104A		
D51 -54		1SS133		
D101,102		HSS104A		
D101,102		1SS133		
D104		HSS104A		
D104		1SS133		
D201-206		HSS104A		
D201-206		1SS133		
D207-210		1SS244		
D251-256		HSS104A		
D251-256		1SS133		
D257-260		1SS244		
D301-303		HSS104A		
D301-303		1SS133		
D304,305		1SS244		
D351-354		HSS104A		
D351-354		1SS133		
D381,382		HSS104A		
D381,382		1SS133		
D383,384		MTZJ4.7(B)		
D383,384		RD4.7ES(B2)		
D402		UDZ13B		

Ref. No	New Parts	Parts No.	Destination	Remarks
D403		UDZ15B		
D404,405		MTZJ18(B)		
D404,405		RD18ES(B2)		
D406		MTZJ5.1(B)		
D406		RD5.1ES(B2)		
⚠ D407		S5688B		
⚠ D407		1SR139-400		
D408,409		MTZJ20(B)		
D408,409		RD20ES(B2)		
D421		UDZ10B	YMXV	7
D422,423		UDZ11B	YMXV	7
D424		UDZ8.2B	YMXV	7
⚠ D501-504		HSS104A		
⚠ D501-504		1SS133		
⚠ D505-508		S5688B		
⚠ D505-508		1SR139-400		
⚠ D509		HSS104A		
⚠ D509		1SS133		
⚠ D510		S5688B		
⚠ D510		1SR139-400		
D511,512		HSS104A		
D511,512		1SS133		
⚠ D513		RBV-1506LFA		
⚠ D514	✻	RBV-4102LFA		
D601		UDZ5.1B		
D602		MA111		
⚠ D603		U1BC44		
Q1 ,2		2SC2878(B)		
Q3 -6		2SA992(F,E)		
Q7 ,8		2SA1123(R,S)		
Q9 -12		2SC2631(R,S)		
Q51 ,52		2SC2878(B)		
Q55 -58		2SA992(F,E)		
Q59 ,60		2SA1123(R,S)		
Q61 -64		2SC2631(R,S)		
Q101		2SC2878(B)		
Q102,103		2SA992(F,E)		
Q104,105		2SC2631(R,S)		
Q106		2SA1123(R,S)		
Q107		DTC124EUA		
Q107		UN5212		
Q108		2SC1740S(Q,R)		
Q108		2SC2458(Y,GR)		
⚠ Q201,202	✻	TRAIT6N✻5		
⚠ Q203,204	✻	TRAIT6P✻5		
Q205,206		2SC1845(F,E)		
Q207,208		2SA992(F,E)		
⚠ Q251,252	✻	TRAIT6N✻5		
⚠ Q253,254	✻	TRAIT6P✻5		
Q255,256		2SC1845(F,E)		
Q257,258		2SA992(F,E)		
⚠ Q301	✻	TRAIT6N✻5		
⚠ Q302	✻	TRAIT6P✻5		
Q303		2SC1845(F,E)		
Q304		2SA992(F,E)		
Q351-353		DTC113ZSA		
Q351-353		UN4219		
Q381,382		2SC1845(F,E)		
Q383,384		2SA992(F,E)		
Q401		DTC124EUA		
Q401		UN5212		
Q402		DTC113ZUA		
Q402		UN5219		
Q404		DTC113ZUA		
Q404		UN5219		
⚠ Q405		2SD2012		
⚠ Q405		2SD2061		
Q406,407		2SC1740S(Q,R)		
Q406,407		2SC2458(Y,GR)		
Q408		2SA1110(R,S)		
⚠ Q421		2SC3944A	YMXV	7
Q422	✻	2SC1622A(16-8)	YMXV	7
Q423		DTC113ZUA	YMXV	7
Q423		UN5219	YMXV	7
Q424		2SA992(F,E)	YMXV	7
⚠ Q425		2SA1535A	YMXV	7

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Ref. No	New Parts	Parts No.	Destination	Remarks
Q501		DTC113ZSA		
Q501		UN4219		
Q502		2SC2003(L,K)		
Q601-605		2SA1586(Y,GR)		
SURROUND (X08-3020-10/3032-10)				
C27 ,28		CK73FB1H471K		
C31 ,32		C92-0041-05		
C33 ,34		CK73FF1C224Z		
C36		C92-0041-05		
C37		CK73FB1H102K		
C38		C92-0048-05		
C39		CC73FCH1H470J		
C57 ,58		C92-0035-05		
C59		CK73FB1H103K		
C60		CC73FCH1H101J		
C61		CK73FB1H103K		
C62		CC73FCH1H101J		
C63		CK73FB1H103K		
C64		CC73FCH1H101J		
C101		CK73FB1H102K		
C103		CK73FB1H102K		
C104		C92-0048-05		
C105		CK73FB1H102K		
C106		C92-0041-05		
C107		CK73FB1H102K		
C108		C92-0041-05		
C151,152		CK73FB1H682K		
C153,154		CK73FB1H182K		
C155,156		CC73FCH1H470J		
C161-168		CC73FCH1H101J		
C201		CK73FB1H102K		
C203		CK73FB1H102K		
C204		C92-0048-05		
C205		CK73FB1H102K		
C206		C92-0041-05		
C207		CK73FB1H102K		
C208		C92-0041-05		
C251,252		CK73FB1H682K		
C253,254		CK73FB1H182K		
C255,256		CC73FCH1H470J		
C261-268		CC73FCH1H101J		
C301		CK73FB1H102K		
C303		CK73FB1H102K		
C304		C92-0048-05		
C305		CK73FB1H102K		
C306		C92-0041-05		
C307		CK73FB1H102K		
C308		C92-0041-05		
C351		CK73FB1H682K		
C352		CK73FF1E104Z		
C353		CK73FB1H182K		
C354		CK73FB1H333K		
C355		CC73FCH1H470J		
C356		CK73FB1H332K		
C361-368		CC73FCH1H101J		
C400		CK73FF1E104Z		
C401		CK73FB1H102K		
C403,404		CC73FCH1H390J		
C405		CK73FB1H102K		
C407,408		CK73FF1E104Z		
C409-411		CC73FCH1H470J		
C412,413		CK73FB1H103K		
C421		CK73FB1H102K		
C422		C92-0041-05		
C501,502		CC73FCH1H020C		
C504		CK73FB1H102K		
C505-507		CC73FCH1H470J		
C511-538		CK73FB1H102K		
C568-570		CK73FB1H102K		
C571		CK73FF1E104Z		
C589,590		CK73FB1H102K		
C601,602		CC73FCH1H390J		
C603,604		CK73FB1H102K		
C681,682		CK73FF1E104Z		
C690		CK73FF1E104Z		

Ref. No	New Parts	Parts No.	Destination	Remarks
C810		C92-0048-05		
C811		CK73FF1E104Z		
C812		CE04DW0J102M		
C815		CC73FCH1H470J		
C816		C92-0048-05		
C831		CK73FF1E104Z		
C835		CC73FCH1H470J		
C841		CK73FF1E104Z		
C842		C92-0035-05		
C845		CC73FCH1H470J		
CN1		E40-8232-05		
CN3	✻	E40-8542-05		
CN4	✻	E40-8530-05		9
X1	✻	L77-2275-05		
X2	✻	L77-2276-05		
X3	✻	L77-2277-05		
R20 ,21		RK73FB2A1R0J		
R27 -30		RK73GB1J102J		
R31		RK73GB1J101J		
R33		RK73GB1J102J		
R34 ,35		RK73GB1J473J		
R36		RK73GB1J470J		
R37		RK73GB1J473J		
R40		RK73GB1J473J		
⚠ R57 ,58		RK73FB2A470J		
R101		RK73FB2A1R0J		
R102,103		RK73GB1J102J		
R110,111		RK73FB2A1R0J		
R116		RK73GB1J102J		
R121-124		RK73GB1J562J		
R125-128		RK73GB1J241J		
R129-132		RK73GB1J103J		
R133,134		RK73GB1J622J		
R135,136		RK73GB1J113J		
R137,138		RK73GB1J622J		
R139		RK73GB1J101J		
R141,142		RK73GB1J101J		
R201		RK73FB2A1R0J		
R202,203		RK73GB1J102J		
R210,211		RK73FB2A1R0J		
R216		RK73GB1J102J		
R221-224		RK73GB1J562J		
R225-228		RK73GB1J241J		
R229-232		RK73GB1J103J		
R233,234		RK73GB1J622J		
R235,236		RK73GB1J113J		
R237,238		RK73GB1J622J		
R239		RK73GB1J101J		
R241,242		RK73GB1J101J		
R301		RK73FB2A1R0J		
R302,303		RK73GB1J102J		
R310,311		RK73FB2A1R0J		
R316		RK73GB1J102J		
R321,322		RK73GB1J562J		
R323,324		RK73GB1J821J		
R325		RK73GB1J241J		
R326		RK73GB1J181J		
R327		RK73GB1J241J		
R328		RK73GB1J181J		
R329		RK73GB1J103J		
R330		RK73GB1J113J		
R331		RK73GB1J103J		
R332		RK73GB1J113J		
R333		RK73GB1J622J		
R334		RK73GB1J123J		
R335		RK73GB1J113J		
R336		RK73GB1J183J		
R337		RK73GB1J622J		
R338		RK73GB1J123J		
R339		RK73GB1J101J		
R341		RK73GB1J101J		
R342		RK73GB1J222J		
R400-402		RK73FB2A1R0J		
R403		RK73GB1J101J		
R404		RK73GB1J183J		

Ref. No	New Parts	Parts No.	Destination	Remarks
R405,406		RK73GB1J103J		
R407		RK73GB1J102J		
R408		RK73GB1J103J		
R409,410		RK73GB1J102J		
R411		RK73GB1J470J		
R413		RK73GB1J470J		
R414		RK73GB1J102J		
R415		RK73GB1J470J		
R416-418		RK73GB1J102J		
R419		RK73GB1J471J		
R420		RK73GB1J102J		
R421		RK73GB1J472J		
R422		RK73GB1J102J		
R424		RK73GB1J102J		
R431,432		RK73GB1J105J		
R501-512		RK73GB1J103J		
R515-520		RK73GB1J101J		
R521-523		RK73GB1J103J		
R524-528		RK73GB1J101J		
R530-532		RK73GB1J101J		
R533		RK73GB1J103J		
R541-543		RK73GB1J470J		
R549		RK73FB2A1R0J		
R550		RK73GB1J101J		
R551		RK73GB1J105J		
R553,554		RK73GB1J472J		
R556		RK73GB1J472J		
R557-559		RK73FB2A1R0J		
R561-588		RK73FB2A1R0J		
R589		RK73GB1J101J		
R590		RK73FB2A1R0J		
R601-603		RK73GB1J473J		
R604,605		RK73GB1J103J		
R606-610		RK73GB1J473J		
R611,612		RK73GB1J103J		
R613-644		RK73GB1J473J		
R645,646		RK73GB1J103J		
R647-650		RK73GB1J473J		
R651		RK73GB1J103J		
R653-655		RK73GB1J473J		
R656		RK73GB1J103J		
R657-660		RK73GB1J473J		
R661		RK73GB1J103J		
R662,663		RK73GB1J153J		
R664,665		RK73GB1J473J		
R667		RK73GB1J102J		
R671,672		RK73GB1J105J		
R681,682		RK73FB2A1R0J		
R690		RK73FB2A1R0J		
R700		RK73GB1J470J		
R701		RK73GB1J101J		
R702-707		RK73GB1J102J		
R708-719		RK73GB1J471J		
R721-723		RK73GB1J102J		
R731-734		RK73GB1J102J		
R751-756		RK73GB1J101J		9
⚠ R811-816		RK73FB2A1R0J		
⚠ R831-836		RK73FB2A1R0J		
⚠ R841,842		RK73FB2A470J		
R900-927		RK73GB1J101J		
D1 -5		DA204U		
IC4	✻	AK5383-VS		
IC5 -7	✻	AK4393-VF		
IC8 -13		NJM4565MD		
IC21	✻	ADSST-AUDIO35		
IC22,23		HY57V16160DTC		
IC24	✻	49BV008A1AKB		
IC25	✻	AK4112-VF		
IC26,27		TC7S04F		
IC28,29		TC7SHU04FU		
IC30	✻	TC7WH34FK		
IC31,32	✻	TC74LVX573FT		
IC33		TC7SH02F		
IC34		TC7SH32F		
IC35-37		TC7S08FU		

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Ref. No	New Parts	Parts No.	Destination	Remarks
IC39		TC74VHC125F		
IC40	✻	UPD784036C851		
⚠ IC51		UPC2933T		
⚠ IC53	✻	UPC2905T		
⚠ IC54		UPC29L33T		
CONTROL (X11-3870-21/3882-10)				
C1 ,2		CE04KW1H4R7M		
C3 ,4		CC73FCH1H101J		
C5 ,6		CC73FSL1H101J		
C7 ,8		CE04KW1H220M		
C9 ,10		CC73FSL1H101J		
C11 ,12		CE04KW1H4R7M		
C13 ,14		CC73FCH1H471J		
C15 ,16		CC73FSL1H101J		
C17 ,18		CE04KW1H220M		
C19 ,20		CC73FSL1H101J		
C21 ,22		CE04KW1H4R7M		9
C23 ,24		CC73FCH1H471J		9
C25 ,26		CC73FSL1H101J		9
C27 ,28		CE04KW1H4R7M		9
C29 ,30		CC73FSL1H101J		9
C31 ,32		CE04KW1H4R7M		
C33 ,34		CC73FCH1H471J		
C35 ,36		CC73FSL1H101J		
C37 ,38		CE04KW1H4R7M		
C39 ,40		CC73FSL1H101J		
C42		CC73FSL1H101J		
C43 ,44		CK73FF1E104Z		9
C51 ,52		CE04KW1H4R7M		
C53 -56		CC73FSL1H101J		
C59 ,60		CC73FSL1H101J		
C61 ,62		CE04KW1H4R7M		
C63 -66		CC73FSL1H101J		
C69 ,70		CC73FSL1H101J		
C71 -74		CK73FB1H103K		
C75 -78		CK73FB1H103K		9
C101,102		CC73FSL1H101J		
C111,112		CC73FSL1H101J		
C121,122		CC73FSL1H101J		
C131-133		CC73FSL1H101J		9
C201,202		CC73FSL1H221J		
C204,205		CC73FSL1H221J		
C206		CC73FSL1H101J	TE	9
C207		CK73FB1E823K	TE	9
C211,212		CC73FCH1H102J	TE	9
C213,214		CK73FF1E104Z	TE	9
C215		CC73FSL1H101J	TE	9
C215		CC73FSL1H101J	Y	7
C216		CC73FSL1H331J	TE	9
C216		CC73FSL1H331J	Y	7
C217		CC73FCH1H102J	TE	9
C217		CC73FCH1H102J	Y	7
C219,220		CC73FSL1H101J	TE	9
C219,220		CC73FSL1H101J	Y	7
C230		CK73FF1E104Z	TE	9
C230		CK73FF1E104Z	Y	7
C301,302		CK73FB1H561K		
C303,304		CK73FF1E104Z		
C305,306		CE04KW1H4R7M		
C307,308		CC73FSL1H470J		
C309,310		CE04KW1H220M		
C313,314		CC73FSL1H330J		
C315,316		CC73FSL1H101J		
C319		CC73FSL1H101J		
C321,322		CK73FB1H561K		
C323,324		CK73FF1E104Z		
C325,326		CE04KW1H4R7M		
C327		CC73FSL1H470J		
C328		CC73FSL1H820J		
C329,330		CE04KW1H220M		
C332		CC73FSL1H101J		
C333		CC73FSL1H330J		
C334-336		CC73FSL1H101J		
C339		CC73FSL1H101J		
C341,342		CK73FB1H561K		
C343,344		CK73FF1E104Z		

Ref. No	New Parts	Parts No.	Destination	Remarks
C345,346		CE04KW1H4R7M		
C347,348		CC73FSL1H470J		
C349,350		CE04KW1H220M		
C353,354		CC73FSL1H330J		
C355,356		CC73FSL1H101J		
C359		CC73FSL1H101J		
C361,362		CC73FCH1H561J		9
C363,364		CK73FF1E104Z		9
C365,366		CE04KW1H4R7M		9
C367,368		CC73FSL1H820J		9
C369,370		CE04KW1H220M		9
C373,374		CC73FSL1H330J		9
C375,376		CC73FSL1H101J		9
C379		CC73FSL1H101J		9
C401-407		CE04KW1H100M		
C501,502		CC73FSL1H221J		
C503,504		CC73FSL1H101J		
C505,506		CC73FSL1H221J		
C507-510		CC73FSL1H101J		
C511,512		CC73FSL1H101J		9
C513-518		CC73FSL1H101J		
C519		CK45FF1H103Z		
C520		CC73FSL1H101J		
C521		CK45FF1H103Z		
C522-524		CC73FSL1H101J		
C525		CK45FF1H103Z		
C533		CC73FSL1H101J		9
C534-539		CE04KW1H4R7M		
C541-546		CK73FF1E104Z		
C547-552		CC73FSL1H101J		
C556		CC73FSL1H101J		
C559		CK73FB1H103K		
C560		CC73FSL1H101J		
C561		CK73FB1H103K		
C562		CC73FSL1H101J		
C563		CK73FB1H103K		
C564		CC73FSL1H101J		
C565		CE04KW1H100M		
C566		CK73FB1H103K		
C567		CC73FSL1H101J		
C568		CK73FB1H103K		9
C569		CC73FSL1H101J		9
C571		CK45FF1H103Z		
C572		CC73FSL1H101J		
C573		CK45FF1H103Z		
C574		CC73FSL1H101J		9
C575		CK45FF1H103Z		9
C576,577		CC73FSL1H101J		
C578,579		CC73FSL1H101J		9
C580		CK73FB1H103K		9
C581,582		CC73FSL1H101J		9
C583-588		CE04KW1H220M		
C589,590		CE04KW1H220M		9
C591		CC73FSL1H101J		9
C594		CK73FB1H103K		
C595,596		CC73FCH1H560J		
CN1		E40-9829-05		
CN2		E40-9836-05		
CN3		E40-8375-05		
CN4	✻	E40-8642-05		
CN101	✻	E40-8354-05		
CN102		E40-9820-05		
CN201		E40-8253-05		
CN301		E40-4297-05		
CN302		E40-9840-05		
CN303		E40-9847-05		
CN304		E40-9851-05		
CN305	✻	E40-9839-05		9
CN306		E40-9842-05		
CN307-309		E40-9846-05		
CN310		E40-9853-05		
CN311,312		E40-8257-05		
CN313-315		E40-9837-05		
J1	✻	E63-1164-05		7
J1 ,2	✻	E63-1111-05		9
J2	✻	E63-1163-05		7

Ref. No	New Parts	Parts No.	Destination	Remarks
J3	✻	E63-1114-05		7
J3	✻	E63-1115-05		9
J101	✻	E63-1116-05		7
J101	✻	E63-1117-05		9
J102	✻	E63-1118-05		7
J102	✻	E63-1119-05		9
J103	✻	E63-1120-05		9
J201	✻	E11-0907-05		
J202		E11-0347-05		
J203-208	✻	E11-0905-05	TE	9
J207,208	✻	E11-0905-05	Y	7
J209	✻	E11-0906-05	TE	9
J209	✻	E11-0906-05	Y	7
L201		L40-1015-34	TE	9
L203		L40-1015-34	TE	9
L203		L40-1015-34	Y	7
R1		RK73FB2A102J		
R3 ,4		RK73FB2A471J		
R5 ,6		RK73FB2A474J		
R7 ,8		RK73FB2A101J		
R9 ,10		RK73FB2A472J		
R15 ,16		RK73FB2A474J		
R17 ,18		RK73FB2A471J		
R19 ,20		RK73FB2A474J		
R21 ,22		RK73FB2A101J		
R23 ,24		RK73FB2A474J		9
R25 ,26		RK73FB2A471J		9
R27 ,28		RK73FB2A474J		9
R29 ,30		RK73FB2A101J		9
R31 ,32		RK73FB2A471J		
R33 ,34		RK73FB2A474J		
R35 ,36		RK73FB2A101J		
R51 ,52		RK73FB2A471J		
R53 ,54		RK73FB2A104J		
R55 ,56		RK73FB2A101J		
R57 ,58		RK73FB2A470J		
R61 ,62		RK73FB2A471J		
R63 ,64		RK73FB2A104J		
R65		RK73FB2A472J		
R66		RK73FB2A101J		
R67 ,68		RK73FB2A470J		
R101,102		RK73FB2A224J		
R103,104		RK73FB2A471J		
R105,106		RK73FB2A222J		
R107,108		RK73FB2A471J		
R109,110		RK73FB2A222J		
R121,122		RK73FB2A224J		
R123,124		RK73FB2A471J		
R125,126		RK73FB2A222J		
R127,128		RK73FB2A471J		
R129,130		RK73FB2A222J		
R141,142		RK73FB2A224J		
R143,144		RK73FB2A471J		
R145,146		RK73FB2A222J		
R147,148		RK73FB2A471J		
R149,150		RK73FB2A222J		
R161,162		RK73FB2A224J		9
R163,164		RK73FB2A471J		9
R165,166		RK73FB2A222J		9
R167,168		RK73FB2A471J		9
R169,170		RK73FB2A222J		9
R171		RK73FB2A104J		9
R201		RD14NB2E471J	TE	9
R202		RK73FB2A102J	TE	9
R203		RK73FB2A473J	TE	9
R204		RK73FB2A102J	TE	9
R205		RK73FB2A103J		
R213,214		RD14NB2E471J	TE	9
R215-218		RK73FB2A223J	TE	9
R219		RD14NB2E100J	TE	9
R220		RK73FB2A102J	TE	9
R221,222		RK73FB2A103J	TE	9
R223		RK73FB2A102J	TE	9
R224		RK73FB2A101J	TE	9
R224		RK73FB2A101J	Y	7
R225		RK73FB2A102J	TE	9

L : Scandinavia
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⚠ indicates safety critical components .

PARTS LIST

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Ref. No	New Parts	Parts No.	Destination	Remarks
R225		RK73FB2A102J	Y	7
R226		RK73FB2A103J	TE	9
R226		RK73FB2A103J	Y	7
R227		RK73FB2A472J	TE	9
R227		RK73FB2A472J	Y	7
R228,229		RK73FB2A102J	TE	9
R228,229		RK73FB2A102J	Y	7
R230		RK73FB2A223J	TE	9
R230		RK73FB2A223J	Y	7
R231,232		RD14NB2E471J	TE	9
R231,232		RD14NB2E471J	Y	7
R233		RK73FB2A101J	TE	9
R233		RK73FB2A101J	Y	7
R234		RK73FB2A223J	TE	9
R234		RK73FB2A223J	Y	7
R235		RK73FB2A102J	TE	9
R235		RK73FB2A102J	Y	7
R236		RK73FB2A272J	TE	9
R236		RK73FB2A272J	Y	7
R237		RK73FB2A222J	TE	9
R237		RK73FB2A222J	Y	7
R238		RK73FB2A102J	TE	9
R238		RK73FB2A102J	Y	7
R239		RD14NB2E471J	TE	9
R239		RD14NB2E471J	Y	7
R241		RK73FB2A473J	TE	9
R241		RK73FB2A473J	Y	7
R242		RK73FB2A102J	TE	9
R242		RK73FB2A102J	Y	7
R243		RK73FB2A470J	TE	9
R243		RK73FB2A470J	Y	7
R301,302		RK73FB2A105J		
R303,304		RK73FB2A124J		
R305,306		RK73FB2A103J		
R307,308		RK73FB2A332J		
R309,310		RK73FB2A163J		
R311,312		RK73FB2A133J		
R313,314		RK73FB2A470J		
R315-317		RK73FB2A103J		
R331,332		RK73FB2A105J		
R333,334		RK73FB2A124J		
R335,336		RK73FB2A103J		
R337		RK73FB2A332J		
R338		RK73FB2A432J		
R339		RK73FB2A163J		
R340		RK73FB2A223J		
R341		RK73FB2A133J		
R342		RK73FB2A163J		
R343		RK73FB2A470J		
R351,352		RK73FB2A105J		
R353,354		RK73FB2A124J		
R355,356		RK73FB2A103J		
R357,358		RK73FB2A332J		
R359,360		RK73FB2A163J		
R361,362		RK73FB2A133J		
R363,364		RK73FB2A470J		
R371,372		RK73FB2A105J		9
R373,374		RK73FB2A124J		9
R379,380		RK73FB2A302J		9
R381,382		RK73FB2A133J		9
R401,402		RD14NB2E4R7J		
R403		RK73FB2A272J		
R404		RK73FB2A103J		
R405		RK73FB2A122J		
R406		RK73FB2A683J		
R407		RK73FB2A122J		
R408		RK73FB2A683J		
R409		RK73FB2A122J		
R410		RK73FB2A683J		
R411		RK73FB2A122J		
R412		RK73FB2A683J		
R415		RK73FB2A181J		
R416,417		RK73FB2A103J		
R501,502		RK73FB2A102J		
R503,504		RK73FB2A471J		
R505,506		RK73FB2A102J		

Ref. No	New Parts	Parts No.	Destination	Remarks
R507-510		RK73FB2A471J		
R511,512		RK73FB2A471J		9
R513-518		RK73FB2A471J		
R519,520		RK73FB2A474J		
R521,522		RK73FB2A104J		
R523,524		RK73FB2A474J		
R525-528		RK73FB2A104J		
R529,530		RK73FB2A104J		9
R531-536		RK73FB2A104J		
R537		RK73FB2A102J		
R540		RK73FB2A103J		
R547-550		RK73FB2A470J		
R551,552		RK73FB2A470J		9
R553,554		RK73FB2A113J		
R555,556		RK73FB2A472J		
R565-570		RK73FB2A470J		
R571,572		RK73FB2A470J		9
R573-578		RK73FB2A104J		
R579,580		RK73FB2A104J		9
R581-586		RK73FB2A224J		
R587,588		RK73FB2A224J		9
R589-594		RK73FB2A822J		
R595,596		RK73FB2A822J		9
R597-602		RK73FB2A470J		
R603,604		RK73FB2A470J		9
R605-610		RK73FB2A470J		
R611,612		RK73FB2A470J		9
R613,614		RK73FB2A470J		
W400		R92-0679-05		
W402		R92-0679-05		
W404		R92-0679-05		
W405,406		R92-0670-05		
W407		R92-0679-05		
W411-413		R92-0670-05	TE	9
W411,412		R92-0670-05	Y	7
D203		DA204U	TE	9
D207		UDZ5.1B	TE	9
D208		DA204U	TE	9
D208		DA204U	Y	7
D209		U1BC44		
D210		MA111	TE	9
D210		MA111	Y	7
D212		MA111	TE	9
D212		MA111	Y	7
D401-403		U1BC44		
D404		HSS104A		
D404		1SS133		
IC1		NJU7313AM		
IC2		NJM4565MD		
IC3		NJU7311AM		
IC4		NJM4565MD		
IC5		NJU7312AM		9
IC6		NJM4565MD		9
IC7 -9		NJM4565MD		
IC201	✻	TC4W53FU	TE	9
IC201		TC4W53FU	Y	7
IC301-303	✻	TC9459F		
IC304	✻	TC9459F		9
IC305-307		NJM4565MD		
IC308		NJM4565MD		9
Q101-104		2SC4213(B)		
Q111-114		2SC4213(B)		
Q121-124		2SC4213(B)		
Q131-134		2SC4213(B)		9
Q201		2SC4081(R,S)	TE	9
Q201		2SC4116(Y,GR)	TE	9
Q202		DTC124EUA	TE	9
Q202		UN5212	TE	9
Q206		DTA124EUA	TE	9
Q206		UN5112	TE	9
Q207		DTC124EUA	TE	9
Q207		UN5212	TE	9
Q208		DTA124EUA	TE	9
Q208		UN5112	TE	9
Q209		DTC124EUA	TE	9
Q209		UN5212	TE	9

Ref. No	New Parts	Parts No.	Destination	Remarks
Q210		2SC4081(R,S)	TE	9
Q210		2SC4116(Y,GR)	TE	9
Q211		DTA113ZUA	TE	9
Q211		UN5119	TE	9
Q212		2SA1576A(R,S)	TE	9
Q212		2SA1576A(R,S)	Y	7
Q212		2SA1586(Y,GR)	TE	9
Q212		2SA1586(Y,GR)	Y	7
Q213		DTC124EUA	TE	9
Q213		DTC124EUA	Y	7
Q213		UN5212	TE	9
Q213		UN5212	Y	7
Q214		2SC4081(R,S)	TE	9
Q214		2SC4081(R,S)	Y	7
Q214		2SC4116(Y,GR)	TE	9
Q214		2SC4116(Y,GR)	Y	7
Q215		2SA1576A(R,S)	TE	9
Q215		2SA1576A(R,S)	Y	7
Q215		2SA1586(Y,GR)	TE	9
Q215		2SA1586(Y,GR)	Y	7
Q216		2SC4081(R,S)	TE	9
Q216		2SC4081(R,S)	Y	7
Q216		2SC4116(Y,GR)	TE	9
Q216		2SC4116(Y,GR)	Y	7
Q301,302		2SC4213(B)		
Q311,312		2SC4213(B)		
Q321,322		2SC4213(B)		
Q401		DTA113ZUA		
Q401		UN5119		
Q402		DTC143TUA		
Q402		UN5216		
Q403		DTA113ZUA		
Q403		UN5119		
Q404		DTC143TUA		
Q404		UN5216		
Q405		DTA113ZUA		
Q405		UN5119		
Q406		DTC143TUA		
Q406		UN5216		
Q407		DTA113ZUA		
Q407		UN5119		
Q408		DTC143TUA		
Q408		UN5216		
Q409		DTA113ZUA		
Q409		UN5119		
Q410		DTC143TUA		
Q410		UN5216		

SUB (X13-7702-71/7742-10)

C1 -5		CC73FSL1H101J		
C6		CC73FSL1H101J		9
C7 ,8		CC73FSL1H101J		
C9 ,10		CE04KW0J471M		
C11 -14		CE04KW1H010M		
C15		CE04KW1H010M		9
C16		CC73FSL1H101J		
C17		CK73FB1H103K		
C18 ,19		CE04KW1H010M		
C21		CE04KW1C470M		
C22		CE04KW0J471M		
C23 -27		CE04KW1H010M		9
C28		CE04KW1C470M		9
C29		CK73FB1H182K		9
C30		CC73FSL1H102J		9
C31		CE04KW1H220M		9
C32		CE04KW1H100M		9
C33		CK73FF1C224Z		9
C34		CK73FB1H103K		9
C35		CK73FB1H103K		
C36 ,37		CK73FB1H103K		9
C38		CE04KW1A101M		9
C39		CE04KW0J471M		9
C40		CK73FB1H103K		
C41		CE04KW1A101M		9
C51 -60		CC73FSL1H101J		
C61 ,62		CC73FSL1H101J		9

L : Scandinavia
Y : PX(Far East,Hawaii)
Y : AAFES(Europe)
K : USA
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PARTS LIST

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⑩

Ref. No	New Parts	Parts No.	Destination	Remarks
C63 -66		CC73FSL1H101J		
C67 -69		CK73FF1E104Z		
C70		CK73FF1E104Z		9
C71		CK73FF1E104Z		
C72		CE04KW0J471M		
C73		CK73FF1E104Z		
C74		CE04KW1H010M		
C75		CK73FB1C104K		
C76		CE04KW0J471M		
C77		CK73FF1E104Z		
C78		CE04KW1H010M		
C79		CK73FB1C104K		
C80		CE04KW1H010M		
C81		CK73FB1C104K		
C82		CE04KW1H010M		9
C83		CK73FB1C104K		9
C84		CE04KW1H010M		
C85		CK73FB1C104K		
C86		CE04KW0J471M		
C87		CK73FF1E104Z		
C88 ,89		CK73EF1C105Z		9
C91 ,92		CE04KW1H010M		
C93 ,94		CK73FB1C104K		
C95		CE04KW1H010M		9
C96		CK73FB1H223K		9
C97 ,98		CK73FB1H103K		
C99 ,100		CE04KW1C470M		
C101,102		CE04KW0J221M		9
C103		CE04KW1H100M		9
C104		CK73FB1H182K		9
C105		CC73FSL1H102J		9
C106		CE04KW1H220M		9
C107		CE04KW0J221M		9
C108		CK73EF1C105Z		9
C109		CK73FB1H103K		9
C110,111		CK73FF1E104Z		
C201-203		CK73FB1H103K		
C204		CC73FSL1H101J	TE	9
C204		CC73FSL1H101J	Y	7
C205		CK73FF1E104Z		
C206		CK73FB1E823K	TE	9
C206		CK73FB1E823K	Y	7
C207-209		CC73FSL1H101J		
C210		CK73FB1H472K		
C211		CC73FSL1H101J		
C212,213		CK73EF1C105Z		
C214		CC73FSL1H102J		
C215		CE04KW1A101M		
C216		C90-1826-05		
C217,218		CC73FCH1H220J	ET	
C219		CE04KW1H100M		
C220		CC73FSL1H561J	ET	
C221		CC73FSL1H331J	ET	
C222		CE04KW1H100M	ET	
C223		CE04KW1H010M		
C224		CK73FB1H103K		
C225,226		CK73FF1E104Z		
C227		CC73FSL1H101J		
C228		CK73FB1H103K		
C401,402		CE04KW1V102M		
C403,404		CC73FSL1H102J		
C405		CE04KW1H100M		
C406		CE04KW1E221M		
C407,408		CE04KW1E470M		
C409		CC73FSL1H681J		
C410		CC73FSL1H101J		
C411		CC73FSL1H102J		
C412,413		CC73FSL1H470J		
C451		CK45FF1H103Z		
C452		CE04KW1C472M		
C455		CE04KW1C101M		
C456		CE04KW1A101M		
C461		CE04KW1C101M		
C462		CE04KW1H100M		
C463		CK73FB1H103K		
C471		CK45FF1H103Z		

Ref. No	New Parts	Parts No.	Destination	Remarks
C491		CK45FF1H103Z		
C492		CE04KW1V102M		
C493		CE04KW1H220M		
C494		CE04KW1H470M		
C495		CC73FSL1H101J		
C501,502		CK73FB1C104K		
C503		CE04KW1A101M		
C505		CC73FSL1H220J		9
C506		CK73FB1C104K		9
C507		CC73FSL1H220J		9
C508		CC73FSL1H220J		
C511		CK73FB1C104K		
C512		CK73FB1H103K		
C513,514		CC73FSL1H470J		
C521		CK73FB1C104K		
C522		CK73FB1H103K		
C523,524		CC73FSL1H470J		
C531		CK73FB1C104K		
C532		CK73FB1H103K		
C533,534		CC73FSL1H470J		
C541		CK73FB1C104K		9
C542		CK73FB1H103K		9
C543,544		CC73FSL1H470J		9
C551		CK73FB1C104K		9
C552		CK73FB1H103K		9
C553,554		CC73FSL1H470J		9
C561		CK73FB1C104K		9
C562		CK73FB1H103K		9
C563,564		CC73FSL1H470J		9
C571		CK73FB1C104K		9
C572		CK73FB1H103K		9
C573,574		CC73FSL1H470J		9
C591		CC73FSL1H270J		
C594-596		CK73FB1H102K		
C597,598		CK73FB1H102K		9
C601,602		CE04KW1H4R7M		
C603,604		CC45FSL1H470J		
C605,606		CC73FSL1H101J		
C607,608		CE04KW1H100M		
C609,610		CC73FSL1H470J		
C611,612		CC45FSL1H271J		
C613,614		CC73FSL1H101J		
C615,616		CE04KW1H100M		
C617,618		CC73FSL1H470J		
C619,620		CC45FSL1H271J		
C621,622		CC73FSL1H101J		
C623,624		CQ93FMG1H222J		
C625,626		CK73FB1C104K		
C627,628		CE04KW1H100M		
C629,630		CC73FSL1H470J		
C631		CK73FB1H103K		
C632		CC73FSL1H101J		
C633		CK73FB1H102K		
C635		CK73FB1H102K		
C637		CQ93FMG1H472J		
C638		CQ93FMG1H104J		
C639-642		CQ93FMG1H472J		
C701		CE04KW1H100M		
C702,703		CC73FSL1H101J		
C704		CE04KW1H100M		
C705		CC73FSL1H101J		
C711		CK73FB1H103K		
C712		CC73FSL1H101J		
C731-740		CC73FSL1H101J		
C741		CK73FB1H103K		
C742		CC73FSL1H101J		
C743,744		CE04KW1H2R2M		
C801,802		CE04KW1H2R2M		
C803-808		CC73FSL1H101J		
C809,810		CE04KW1H220M		
C811,812		CC73FSL1H101J		
C813,814		CE04KW1E470M		
C821		CK73FB1H103K		
C822		CC73FSL1H101J		
C851		CE04KW1H100M		
C901,902		CE04KW1H010M		

Ref. No	New Parts	Parts No.	Destination	Remarks
C903,904		CK73FB1H561K		
C905,906		CE04KW1H010M		
C907,908		CC73FSL1H270J		
C909,910		CK73FB1H183K		
C911,912		CK73FB1H562K		
C913,914		CE04KW1H100M		
C915,916		CK73FB1H153K		
C917,918		CK73FB1H683K		
C919,920		CK73FB1H821K		
C921		CK73FB1H103K		
C922		CC73FSL1H101J		
C951		CC73FSL1H101J		
C961		CK73FB1H103K		
C962		CC73FSL1H101J		
C963		CC73FSL1H471J		
C971		CK73FB1H103K		
C972		CC73FSL1H101J		
C973		CC73FSL1H471J		
C974,975		CC73FCH1H560J		
CN1 ,2		E40-8252-05		
CN3	✻	E40-8542-05		
CN4 ,5		E40-9829-05		
CN6		E40-9825-05		
CN7		E40-3271-05		
CN8		E40-3270-05		
CN9		E40-8254-05		
CN10		E40-8252-05		
CN11,12		E40-9820-05		
CN21		E40-3257-05		
CN51		E40-8232-05		
CN52		E40-9834-05		
CN53		E40-9830-05		
J1		E63-1021-05		7
J1 ,2	✻	E63-1125-05		9
J2 ,3		E63-1020-05		7
J3	✻	E63-1123-05		9
J4	✻	E56-0029-05		7
J4 ,5	✻	E56-0030-05		9
J5 ,6	✻	E56-0027-05		7
J6	✻	E56-0028-05		9
J51	✻	E63-1128-05		9
J52	✻	E63-1129-05		7
J52	✻	E63-1130-05		9
J53 ,54	✻	E63-1124-05		9
⚠ F5		F05-8013-05	EMXYT	
⚠ F5	✻	F50-0107-05	V	
⚠ F6 ,7		F06-1022-05	EMXYT	
⚠ F6 ,7		F50-0108-05	V	
⚠ F8		F05-2525-05	EMXYT	
⚠ F8		F50-0080-05	V	
CN22-29		J13-0075-05		
L2	✻	L76-0019-05		9
L3	✻	L79-1262-05		9
L12		L40-1015-34	TE	9
L12		L40-1015-34	Y	7
X1		L78-0615-05		
X2		L78-0674-05		
X3		L77-2002-05	ET	
R1		RK73FB2A104J		
R2		RK73FB2A750J		
R3		RK73FB2A104J		
R4 ,5		RK73FB2A750J		
R6		RK73FB2A750J		9
R7		RK73FB2A750J		
R8		RK73FB2A104J		
R9		RK73FB2A750J		
R10		RK73FB2A104J		
R11		RK73FB2A750J		
R12		RK73FB2A104J		
R13		RK73FB2A750J		
R14 ,15		RK73FB2A103J		
R16		RD14NB2E4R7J		
R16		RD14NB2E4R7J		9
R17		RK73FB2A562J		9

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

⚠ indicates safety critical components .

PARTS LIST

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

Ref. No	New Parts	Parts No.	Destination	Remarks
R18		RK73FB2A103J		9
R19		RK73FB2A223J		9
R20		RK73FB2A103J		9
R21		RK73FB2A104J		9
R22		RK73FB2A101J		9
R23		RK73FB2A474J		9
R24		RK73FB2A153J		9
R25 ,26		RK73FB2A103J		9
R27		RK73FB2A222J		9
R28		RK73FB2A103J		9
R29 ,30		RK73FB2A473J		
R31 ,32		RK73FB2A1R0J		
R33 -35		RK73FB2A1R0J		9
R36		RK73FB2A750J		9
R37		RK73FB2A1R0J		9
R38		RK73FB2A101J		9
R39		RK73FB2A103J		9
R40		RK73FB2A473J		9
R51 ,52		RK73FB2A104J		
R53		RK73FB2A750J		
R54 ,55		RK73FB2A104J		
R56 ,57		RK73FB2A750J		
R58		RK73FB2A750J		9
R59		RK73FB2A750J		
R60 ,61		RK73FB2A104J		
R62 -64		RK73FB2A750J		
R65		RK73FB2A750J		9
R66		RK73FB2A750J		
R67		RK73FB2A104J		
R68 ,69		RK73FB2A750J		
R70 ,71		RK73FB2A104J		
R72 ,73		RK73FB2A750J		
R74		RK73FB2A104J		
R75 ,76		RK73FB2A750J		
R77 -80		RK73FB2A103J		
R81 ,82		RK73FB2A473J		
R83 ,84		RK73FB2A1R0J		
R85		RK73FB2A1R0J		9
R86		RK73FB2A103J		9
R87		RK73FB2A273J		9
R88		RK73FB2A332J		9
R91 ,92		RK73FB2A1R0J		
R93 ,94		RK73FB2A151J		9
R95		RK73FB2A103J		9
R96		RK73FB2A472J		9
R97		RK73FB2A103J		9
R98		RK73FB2A223J		9
R99 ,100		RK73FB2A103J		9
R101		RK73FB2A562J		9
R102		RK73FB2A104J		9
R103		RK73FB2A101J		9
R104		RK73FB2A474J		9
R105,106		RK73FB2A103J		9
R107		RK73FB2A222J		9
R108		RK73FB2A472J		9
R109-112		RK73FB2A102J		9
R113		RK73FB2A183J		9
R114		RK73FB2A103J		
R115		RK73FB2A103J		9
R116		RK73FB2A273J		9
R117		RK73FB2A332J		9
R118		RK73FB2A104J		9
R119,120		RK73FB2A471J		9
R121		RK73FB2A222J		
R122		RK73FB2A332J		
R123		RK73FB2A473J		9
R151		RK73FB2A332J		
R152-154		RK73FB2A101J		
R200		RK73FB2A103J	TE	9
R200		RK73FB2A103J	Y	7
R202		RK73FB2A332J		
R203-205		RK73FB2A101J		
R206,207		RK73FB2A332J		
R208		RK73FB2A101J		
R209,210		RK73FB2A332J		
R211,212		RK73FB2A101J		

Ref. No	New Parts	Parts No.	Destination	Remarks
R213-219		RK73FB2A102J		
R220		RK73FB2A473J		
R221-224		RK73FB2A102J		
R225		RK73FB2A101J		
R226		RK73FB2A102J		
R227-230		RK73FB2A101J		
R231		RK73FB2A105J		
R232-237		RK73FB2A473J		
R238-240		RK73FB2A101J		
R241		RK73FB2A104J		
R242-249		RK73FB2A101J		
R250		RK73FB2A104J		
R251		RK73FB2A473J	TE	9
R251		RK73FB2A473J	Y	7
R252		RK73FB2A102J	TE	9
R252		RK73FB2A102J	Y	7
R253,254		RK73FB2A104J		
R255		RK73FB2A102J	TE	9
R255		RK73FB2A102J	Y	
R256		RK73FB2A1R0J		
R258,259		RK73FB2A104J		
R260,261		RK73FB2A331J		
R262,263		RK73FB2A102J		
R264,265		RK73FB2A393J		7
R266,267		RK73FB2A393J		9
R268		RK73FB2A332J		
R269		RK73FB2A103J		
R270		RK73FB2A332J		
R271-277		RK73FB2A473J		
R279		RK73FB2A333J	YMXV	
R281		RK73FB2A473J		
R282		RK73FB2A333J		
R283		RK73FB2A473J		
R284		RK73FB2A333J	T	
R284		RK73FB2A333J	XE	
R285-287		RK73FB2A332J		
R289		RK73FB2A105J		
R290,291		RK73FB2A332J		
R292		RK73FB2A333J	ET	
R293,294		RK73FB2A473J		
R296,297		RK73FB2A333J	YMV	
R297		RK73FB2A333J	XET	
R298,299		RK73FB2A332J		
R300,301		RK73FB2A102J	ET	
R302		RK73FB2A103J	ET	
R303		RK73FB2A1R0J		
R304		RK73FB2A102J		
R305		RK73FB2A103J		
R306-309		RK73FB2A332J		
R310		RK73FB2A103J		
R311		RK73FB2A102J		
R312		RK73FB2A104J		
R313		RD14NB2E331J		
R314,315		RK73FB2A332J		
R316		RK73FB2A103J		
R317		RK73FB2A470J		
R318		RK73FB2A102J		
R319		RK73FB2A103J		
R320-327		RK73FB2A101J	XET	
R320-329		RK73FB2A101J	YMV	
R329		RK73FB2A101J	XET	
R330-334		RK73FB2A332J		
R335-340		RK73FB2A101J		
R341		RK73FB2A102J		
R342-344		RK73FB2A472J		
R345		RS14KB3D330J		
R346,347		RK73FB2A101J		
R401,402		RK73FB2A391J		
R403		RK73FB2A101J		
R404		RK73FB2A222J		
R405		RK73FB2A153J		
R406		RK73FB2A391J		
R407		RK73FB2A101J		
R408		RK73FB2A222J		
R409		RK73FB2A101J		
R410		RK73FB2A163J		

Ref. No	New Parts	Parts No.	Destination	Remarks
R411		RK73FB2A224J		
⚠ R451,452		RS14KB3D1R0J		
R453		RK73FB2A471J		
R454,455		RK73FB2A102J		
R456		RK73FB2A222J		
R457		RK73FB2A152J		
R461,462		RK73FB2A331J		
R463		RK73FB2A222J		
R464		RK73FB2A391J		
R491		RD14NB2E332J		
R492		RK73FB2A221J		
⚠ R493		RD14NB2E1R0J		
R501		RD14NB2E1R0J		
R505		RK73FB2A100J		9
R506		RK73FB2A221J		9
R507,508		RK73FB2A750J		9
R509		RK73FB2A101J		
R510		RD14NB2E1R0J		
R511		RK73FB2A750J		
R512		RK73FB2A751J		
R513		RK73FB2A104J		
R514		RK73FB2A473J		
R515		RK73FB2A224J		
R516		RK73FB2A470J		
R517		RK73FB2A100J		
R521		RK73FB2A750J		
R522		RK73FB2A751J		
R523		RK73FB2A104J		
R524		RK73FB2A473J		
R525		RK73FB2A224J		
R526		RK73FB2A470J		
R531		RK73FB2A750J		
R532		RK73FB2A751J		
R533		RK73FB2A104J		
R534		RK73FB2A473J		
R535		RK73FB2A224J		
R536		RK73FB2A470J		
R537		RK73FB2A100J		
R541		RK73FB2A750J		9
R542		RK73FB2A751J		9
R543		RK73FB2A104J		9
R544		RK73FB2A473J		9
R545		RK73FB2A224J		9
R546		RK73FB2A470J		9
R547		RK73FB2A103J		7
R551		RK73FB2A750J		9
R552		RK73FB2A751J		9
R553		RK73FB2A104J		9
R554		RK73FB2A473J		9
R555		RK73FB2A224J		9
R556		RK73FB2A470J		9
R557		RK73FB2A103J		7
R558		RK73FB2A100J		9
R561		RK73FB2A750J		9
R562		RK73FB2A751J		9
R563		RK73FB2A104J		9
R564		RK73FB2A473J		9
R565		RK73FB2A224J		9
R566		RK73FB2A470J		9
R567		RK73FB2A103J		7
R571		RK73FB2A750J		9
R572		RK73FB2A751J		9
R573		RK73FB2A104J		9
R574		RK73FB2A473J		9
R575		RK73FB2A224J		9
R576		RK73FB2A470J		9
R577		RK73FB2A103J		7
R578		RK73FB2A100J		9
R591		RK73FB2A102J		
R592		RK73FB2A103J		
R593		RK73FB2A101J		
R594		RK73FB2A100J		
R596		RK73FB2A681J		
R601-604		RK73FB2A273J		
R605,606		RK73FB2A243J		
R607,608		RK73FB2A103J		

L : Scandinavia
Y : PX(Far East,Hawaii)
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PARTS LIST

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⑫

Ref. No	New Parts	Parts No.	Destination	Remarks
R609,610		RK73FB2A271J		
R611,612		RK73FB2A243J		
R613,614		RK73FB2A103J		
R615,616		RK73FB2A271J		
R617-620		RK73FB2A103J		
R655,656		RK73FB2A100J		
R701		RK73FB2A224J		
R702		RK73FB2A101J		
R703		RK73FB2A470J		
R704,705		RK73FB2A472J		
R706		RK73FB2A470J		
R729,730		RK73FB2A102J		
R731,732		RK73FB2A682J		
R733-740		RK73FB2A472J		
R801,802		RK73FB2A224J		
R803-806		RK73FB2A472J		
R807,808		RK73FB2A224J		
R809,810		RK73FB2A102J		
R811,812		RK73FB2A470J		
R851		RK73FB2A103J		
R852		RK73FB2A332J		
R853		RK73FB2A152J		
R854		RK73FB2A103J		
R901,902		RK73FB2A393J		
R903,904		RK73FB2A103J		
R905,906		RK73FB2A124J		
R907,908		RK73FB2A433J		
R909,910		RK73FB2A184J		
R911,912		RK73FB2A394J		
R913,914		RK73FB2A821J		
R915,916		RK73FB2A392J		
R917,918		RK73FB2A163J		
R919,920		RK73FB2A684J		
R921,922		RK73FB2A392J		
R923,924		RK73FB2A223J		
R925,926		RK73FB2A102J		
R951		RK73FB2A103J		
R961		RK73FB2A102J		
R971		RK73FB2A102J		
R972		RK73FB2A103J		
W3		R92-0670-05	MX	9
W3		R92-0670-05	MXETV	7
D1		DA204U		9
D2		DAP202U		9
D3		DAN202U		
D4		DAP202U		
D5		MA111		
D6 ,7		MA111		9
D8 ,9		MA111		
D11		DAN202U		
D12		DAP202U		
D13		MA111		
D14		DA204U		9
D19 ,20		MA111		
D21		DAN202U		
D22		DAP202U		
D23		DAN202U		
D24		DAP202U		
D25		DA204U	TE	9
D25		DA204U	Y	7
D26 -29		MA111		
D32 -35		MA111		
D36		UDZ5.1B		
D37 -42		U1BC44		
D43		DAP202U		
D45 -47		MA111		
D48		MA111		7
D49		MA111		9
D401,402		UDZ8.2B		
⚠ D451		D4SBL20UF03		
⚠ D461		UDZ5.6B		
⚠ D471		S1ZB20(4072)		
⚠ D491		KBP02ML-6127		
D492		UDZ16B		
D901		DA204U		
IC1	✻	BA7649AF		

Ref. No	New Parts	Parts No.	Destination	Remarks
IC2	✻	BA7611AF		
IC3	✻	BA7623F		
IC4		BA7626F		9
IC5	✻	BA7649AF		9
IC6		NJM4565MD		9
IC7 ,8	✻	BA7649AF		
IC9 ,10	✻	BA7611AF		
IC11,12	✻	BA7623F		
IC13		NJM4565MD		9
IC14	✻	UPC29M05HB		
IC21	✻	TC7WT125FU	TE	9
IC21	✻	TC7WT125FU	Y	7
IC22		UPD17215GT-737		
IC23	✻	UPD784215GF570		7
IC23	✻	UPD784215GF575		9
IC24	✻	TC7WT125FU		
IC25	✻	LC72723M	ET	
IC26		S-80740AL-A4		
IC27		TA78057S		
IC28		TC7S04F	TE	9
IC28		TC7S04F	Y	7
IC50		UPC2905HF		
IC51,52		TC74HCU04AF		
IC53,54		TC74HCU04AF		9
IC55	✻	TC74HC151AF		
IC60-62		NJM4565MD		
IC66-70		NJM4565MD		
IC71		TC9184AP		
IC81		NJU7311AM		
IC82		NJU7312AM		
IC84		LM431AIZ		
Q1 ,2		2SC4213(B)		
Q3		2SC4081(R,S)		9
Q3		2SC4116(Y,GR)		9
Q4 ,5		DTA124EUA		
Q4 ,5		UN5112		
Q6		DTC124EUA		
Q6		UN5212		
Q7		2SA1576A(R,S)		9
Q7		2SA1586(Y,GR)		9
Q8		2SC4213(B)		9
Q9		DTA124EUA		9
Q9		UN5112		9
Q11 -14		2SC4213(B)		
Q15 ,16		DTA124EUA		
Q15 ,16		UN5112		
Q17		DTC124EUA		
Q17		UN5212		
Q18 ,19		DTA124EUA		9
Q18 ,19		UN5112		9
Q20 ,21		DTC124EUA		9
Q20 ,21		UN5212		9
Q22		2SC4081(R,S)		9
Q22		2SC4116(Y,GR)		9
Q23 ,24		2SC4213(B)		9
Q25		DTC124EUA		9
Q25		UN5212		9
Q26		DTA143TUA		9
Q26		UN5116		9
Q51		2SC4081(R,S)	TE	9
Q51		2SC4081(R,S)	Y	7
Q51		2SC4116(Y,GR)	TE	9
Q51		2SC4116(Y,GR)	Y	7
Q52		DTC124EUA	TE	9
Q52		DTC124EUA	Y	7
Q52		UN5212	TE	9
Q52		UN5212	Y	7
Q53		2SC4081(R,S)		
Q53		2SC4116(Y,GR)		
⚠ Q401,402		2SB1370		
⚠ Q401,402		2SB1375		
Q403,404		2SK246(Y,GR)		
⚠ Q405		2SC4081(R,S)		
⚠ Q405		2SC4116(Y,GR)		
⚠ Q406		2SA1576A(R,S)		
⚠ Q406		2SA1586(Y,GR)		

Ref. No	New Parts	Parts No.	Destination	Remarks
Q407		2SC4081(R,S)		
Q407		2SC4116(Y,GR)		
Q408		2SA1576A(R,S)		
Q408		2SA1586(Y,GR)		
⚠ Q451,452		2SB1370		
⚠ Q451,452		2SB1375		
Q453		2SC4081(R,S)		
Q453		2SC4116(Y,GR)		
⚠ Q461		2SD2012		
⚠ Q461		2SD2061		
Q462		2SK246(Y,GR)		
Q463		2SC4081(R,S)		
Q463		2SC4116(Y,GR)		
⚠ Q491		2SD2012		
⚠ Q491		2SD2061		
⚠ Q492		2SC4081(R,S)		
⚠ Q492		2SC4116(Y,GR)		
Q801,802		2SC4213(B)		
Q851		DTC124EUA		
Q851		UN5212		
Q852		2SA1576A(R,S)		
Q852		2SA1586(Y,GR)		

DISPLAY (X25-6322-71/6352-10)

D3 -10		B30-2532-05		
D11		B30-2548-05		7
D11	✻	B30-2571-05		9
D12		B30-2430-05		
D15 -18	✻	B30-2571-05		9
D15 -18	✻	B30-2573-05		7
D19 -23		B30-2430-05		
D24 -26	✻	B30-2573-05		7
D24 ,25	✻	B30-2571-05		9
D26	✻	B30-2573-05		9
C1 ,2	✻	CE04RW1C101M		
C3		CK73FB1H102K		
C4		CC73FCH1H101J		
C5		CE04KW1C100M		
C6		CK73FB1H103K		
C7 -22		CK73FB1H221K		
C23		CE04KW1C100M		
C24		CK73FB1H471K		
C25 -27		CC73FCH1H101J		
C28		CE04KW1C470M		
C29		CE04RW1A101M		9
C30		CK73FB1H103K		9
C31		CE04KW1H330M		
C33		CK73EB1H104K		
C40		CK45FB1H102K		
C41 -43		CK45FF1H472Z		
C44 ,45		CK73FB1H221K		
C51 ,52		CC73FCH1H390J		
C53 ,54		CE04KW1H100M		
C55		CK73FB1H103K		
C56		CC73FCH1H101J		
C57 ,58		CE04KW1A101M		
C59 ,60		CK73FB1H221K		
C61 ,62		CQ93FMG1H123J		
C63 ,64		CQ93FMG1H332J		
C65 ,66		CE04KW1H4R7M		
C67 ,68		CC73FCH1H101J		
C69		CK73FB1H103K		
C70		CC73FCH1H101J		
C71 -76		CK73FB1H221K		
C77		CK73FB1H331K		
C78 -80		CE04KW1A470M		
C81 -85		CE04KW1A470M		9
C86		CK73FB1E104K		
C88		CC73FCH1H270J		
C89		CK73FB1H103K		
C90 -93		CC73FCH1H101J		
C94		CK73FB1E104K		
C95 -97		CC73FCH1H101J		
C99 ,100		CE04KW1H010M		
C101,102		CC73FCH1H101J		
C103,104		CE04KW1H4R7M		
C105		CC73FCH1H101J		

L : Scandinavia
Y : PX(Far East,Hawaii)
Y : AAFES(Europe)
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I : Malaysia

⚠ indicates safety critical components .

PARTS LIST

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Ref. No	New Parts	Parts No.	Destination	Remarks
C107-114		CK73FB1H221K		
C115-122		CC73FCH1H101J		
C135,136		CC73FCH1H101J		
C137,138		CE04KW1H4R7M		
C139,140		CC73FCH1H101J		
C141,142		CE04KW1H4R7M		
C143		CK73FB1H103K		
C144		CC73FCH1H101J		
C145,146		CE04KW1H4R7M		
C157,158		CE04KW1H4R7M		
C159,160		CC73FCH1H181J		
C161		CK73FB1H103K		
C162		CC73FCH1H101J		
C163,164		CK73FB1H103K		
C165,166		CK73FF1C105Z		
C167,168		CC73FSL1H560J		
C169		CE04KW1E221M		
C170		CK73FB1H103K		
CN1		E40-3264-05		9
CN2		E40-4101-05		
CN3		E40-8405-05		
CN4		E40-9823-05		
CN5	✻	E40-8622-05		
CN6 ,7		E40-9820-05		
J1	✻	E63-1108-05		7
J1	✻	E63-1109-05		9
J2	✻	E63-1112-05		7
J2	✻	E63-1113-05		9
J3	✻	E63-1111-05		9
J3	✻	E63-1164-05		7
J5	✻	E63-1121-05		
J6	✻	E56-0026-05		
J7		E11-0190-05		
J8	✻	E70-0121-05		
E3 ,4		J11-0809-05		
X1		L78-0284-05		
⚠ R1		RD14NB2E4R7J		
R4 ,5		R92-2062-05		
R6		RK73FB2A151J		7
R6		RK73FB2A221J		9
R7		RK73FB2A301J		
⚠ R9		RD14NB2E100J		
R10 -16		RK73FB2A473J		
R17 -67		RK73FB2A474J		
R68		RK73FB2A332J		
R69 ,70		RK73FB2A473J		
R71		RK73FB2A105J		
R72 -74		RK73FB2A473J		
R75		RK73FB2A333J		
⚠ R78		RK73FB2A100J		
⚠ R79		RS14KB3A390J		
R81		RK73FB2A100J		
R82 -85		RK73FB2A221J		9
R82 -85		RK73FB2A271J		7
R86 -90		RK73FB2A301J		
R91 ,92		RK73FB2A221J		9
R91 ,92		RK73FB2A271J		
R93 -106		RK73FB2A103J		
R107		RD14NB2E100J		9
R109		RK73FB2A101J		9
R112-114		RK73FB2A101J		
R115		RK73FB2A473J		
R116 ,117		RK73FB2A101J		
R118		RD14NB2E101J		
⚠ R120		RD14NB2E330J		
R121		RK73FB2A221J		
R122		RK73FB2A101J		
R123		RK73FB2A103J		
R124		RK73FB2A101J		
R125		RK73FB2A513J		9
R126,127		RK73FB2A2R2J		
R128		RD14NB2E2R7J		9
R131,132		RK73FB2A224J		
R133,134		RK73FB2A222J		

Ref. No	New Parts	Parts No.	Destination	Remarks
R135,136		RK73FB2A303J		
R139,140		RK73FB2A361J		
R141,142		RK73FB2A274J		
R143,144		RK73FB2A223J		
R145,146		RK73FB2A473J		
R147,148		RK73FB2A102J		
R149,150		RK73FB2A104J		
R151,152		RK73FB2A221J		
R153,154		RK73FB2A474J		
R155,156		RK73FB2A102J		
R157,158		RK73FB2A104J		
R159,160		RK73FB2A221J		
R161,162		RK73FB2A474J		
R163,164		RK73FB2A102J		
R165,166		RK73FB2A104J		
R167,168		RK73FB2A221J		
R169,170		RK73FB2A474J		
R171,172		RK73FB2A102J		
R173,174		RK73FB2A104J		
R175		RK73FB2A103J		
R176,177		RK73FB2A474J		
R183,184		RK73FB2A224J		
R185,186		RK73FB2A101J		
R187		RK73FB2A470J		
R189,190		RK73FB2A102J		
R191-193		RD14NB2E100J		
R194-198		RD14NB2E100J		9
R199		RK73FB2A100J		
R200		RK73FB2A101J		
R201		RK73FB2A102J		
R202-204		RK73FB2A101J		
R205		RK73FB2A681J		
R211,212		RK73FB2A223J		
R213,214		RK73FB2A101J		
R215,216		RK73FB2A750J		
R217		RK73FB2A474J		
R218		RK73FB2A750J		
R219-225		RK73FB2A513J		
R241-245		RK73FB2A103J		7
R249		RK73FB2A103J		
R251,252		RK73FB2A471J		
R253,254		RK73FB2A474J		
R255,256		RK73FB2A101J		
R257,258		RK73FB2A470J		
R259		RD14NB2E681J		
W201-203		R92-0670-05		
W204		R92-0679-05		
W206		R92-0670-05		
W207		R92-0679-05		
W208		R92-0670-05		
W209		R92-0679-05		
W210-214		R92-0670-05		
W215		R92-0670-05		9
W216,217		R92-0670-05		
S1 -17		S70-0031-05		
S18		S70-0031-05		9
S20		S68-0088-05		
S19		T99-0602-05		
D1 ,2		MTZJ3.3(B)		
D1 ,2		RD3.3ES(B2)		
D13		MTZJ5.1(B)		
D13		RD5.1ES(B2)		
D14		MTZJ5.6(B)		
D14		RD5.6ES(B2)		
D27 ,28		DA204U		
D29		MTZJ3.3(B)		9
D29		RD3.3ES(B2)		9
ED1		16-MT-62GK		
IC1		UPD780204-038		
IC2		TA8409S		9
IC3		NJU7313AM		
IC4		NJU7312AM		
IC6		NJM4580ED		
IC7 ,8		NJM4565MD		
IC11	✻	TC74HC151AF		

Ref. No	New Parts	Parts No.	Destination	Remarks
⚠ Q1 -3		2SC3940A(R,S)		
Q4		DTC124EUA		
Q4		UN5212		
Q5 ,6		DTA124EUA		
Q5 ,6		UN5112		
Q7 -16		DTC124EUA		
Q7 -16		UN5212		
A1		W02-2737-05		
A2	✻	W02-2717-05		
A3 ,4		W02-2716-05		
A5 -9		W02-2716-05		9
VIEDO (X35-2232-71) KRF-V9993D only				
C1 -9		CC73FSL1H101J		
C10 -15		CE04KW1H010M		
C16 -18		CE04KW1A471M		
C19 -21		CK73FB1H102K		
C22 -24		CE04KW1H010M		
C25 ,26		CC73FSL1H180J		
C27		CE04KW1E470M		
C31		CC73FCH1H271J		
C32		CC73FCH1H391J		
C33		CK73FB1H472K		
C34		CE04KW1H2R2M		
C35		CE04KW1E470M		
C36		CK73FB1H103K		
C42		CK73FF1C224Z		
C43 ,44		CC73FCH1H220J		
C45		CE04KW1H0R1M		
C46		CK73FB1H103K		
C47		CE04KW1H4R7M		
C48		CK73FF1C105Z		
C49		CK73FB1H102K		
C51 ,52		CK73FF1E104Z		
C53		CE04KW1H010M		
C54		CK73FB1H103K		
C55		CE04KW1A101M		
C56		CK73FF1C224Z		
C57		CC73FSL1H221J		
C58		CE04KW1H2R2M		
C59		CK73FB1H103K		
C60		CC73FSL1H102J		
C61		CK73FF1E104Z		
C65		CK73FB1H103K		
C71 ,72		CE04KW1H010M		
C73		CK73FB1H222K		
C74		CK73FB1H223K		
C75		CK73FB1H103K		
C77		CE04KW1H100M		
C78		CE04KW1H3R3M		
C101,102		CE04KW1C470M		
C104		CC73FSL1H182J		
C105		CC73FSL1H102J		
C106		CE04KW1H220M		
C107		CK73FF1C105Z		
C108,109		CK73FB1H103K		
C110		CC73FSL1H101J		
C151		CE04KW1E470M		
C152,153		CK73FF1E104Z		
CN1	✻	E40-8530-05		
CN2	✻	E40-9822-05		
J1 -3	✻	E63-1126-05		
X1	✻	L77-2281-05		
X2	✻	L77-2282-05		
X3	✻	L78-0711-05		
R1 -6		RK73FB2A750J		
R7 -9		RK73FB2A104J		
R10 -12		RK73FB2A430J		
R13 -15		RK73FB2A1R0J		
R21		RK73FB2A561J		
R22 ,23		RK73FB2A102J		
R24		RK73FB2A272J		
R25 ,26		RK73FB2A103J		
R28		RK73FB2A1R0J		
R29		RK73FB2A100J		

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

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⓮

Ref. No	New Parts	Parts No.	Destination	Remarks
R30		RK73FB2A1R0J		
R31		RK73FB2A222J		
R32		RK73FB2A331J		
R33		RK73FB2A272J		
R34		RK73FB2A432J		
R35		RK73FB2A914J		
R36		RK73FB2A242J		
R37		RK73FB2A471J		
R38		RK73FB2A821J		
R39		RK73FB2A153J		
R40		RK73FB2A684J		
R41		RK73FB2A184J		
R42		RK73FB2A433J		
R43		RK73FB2A103J		
R44		RK73FB2A273J		
R45 ,46		RK73FB2A102J		
R47		RK73FB2A182J		
R48		RK73FB2A221J		
R49		RK73FB2A151J		
R50		RK73FB2A750J		
R51		RK73FB2A183J		
R52		RK73FB2A223J		
R53		RK73FB2A102J		
R54		RK73FB2A103J		
R55		RK73FB2A392J		
R56		RK73FB2A183J		
R57		RK73FB2A223J		
R58 ,59		RK73FB2A103J		
R61		RK73FB2A103J		
R62		RK73FB2A222J		
R71		RK73FB2A183J		
R72		RK73FB2A224J		
R73		RK73FB2A104J		
R74		RK73FB2A334J		
R75		RK73FB2A223J		
R76		RS14KB3A181J		
R77		RK73FB2A103J		
R78		RK73FB2A101J		
R79		RK73FB2A102J		
R81		RK73FB2A1R0J		

Ref. No	New Parts	Parts No.	Destination	Remarks
R93		RK73FB2A103J		
R101		RK73FB2A103J		
R102		RK73FB2A273J		
R103		RK73FB2A103J		
R104		RK73FB2A273J		
R105,106		RK73FB2A332J		
R107		RK73FB2A182J		
R108		RK73FB2A103J		
R109		RK73FB2A223J		
R110		RK73FB2A103J		
R111		RK73FB2A104J		
R112		RK73FB2A101J		
R113		RK73FB2A474J		
R114		RK73FB2A183J		
R115,116		RK73FB2A103J		
R117		RK73FB2A222J		
R118		RK73FB2A103J		
R119		RK73FB2A1R0J		
⚠ R151		RD14NB2E1R0J		
VR1 ,2		R12-3101-05		
D1		DAN202U		
D1		1SS301		
D2		UDZ11B		
D4		DA204U		
D4		1SS302		
IC1	✻	BA7613F		
IC2 ,3	✻	BA7612F		
IC5	✻	UPC1830GT		
IC6	✻	AN5560		
IC7	✻	BA7071F		
⚠ IC8	✻	UPC29M05HB		
IC10		NJM4565M		
Q1		2SC4116(Y,GR)		
Q1		2SC4177(L5,L6)		
Q2		2SA1586(Y,GR)		
Q2		2SA1611(M5,M6)		
Q3 ,4		2SC4116(Y,GR)		
Q3 ,4		2SC4177(L5,L6)		
Q5		DTC124EUA		
Q5		UN5212		

Ref. No	New Parts	Parts No.	Destination	Remarks
Q6		DTC143TUA		
Q6		UN5216		
Q7 ,8		DTA124EUA		
Q7 ,8		UN5112		
Q9 ,10		DTC124EUA		
Q9 ,10		UN5212		
Q11		2SC4116(Y,GR)		
Q11		2SC4177(L5,L6)		
Q12 ,13		DTC124EUA		
Q12 ,13		UN5212		
Q14		2SC4116(Y,GR)		
Q14		2SC4177(L5,L6)		

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HOW TO READ THE PARTS LIST
Destination column has the abbreviation for sale country and model.

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	CNT ABB.	Australia X	Canada P	China C	England T	Europe E	Germany G	Korea H	Malaysia I
KRF-V7773D	7	X	-	-	-	E1	-	-	-
KRF-V7773D-B	7	-	-	-	T	E2	-	-	-
KRF-V9993D	9	X	-	-	T	E	-	-	-

MODEL	CNT ABB.	Mexico R	PX/AAFES Y	Russia Q	Scandinavia L	Shanghai V	USA K	Other area M	
KRF-V7773D	7	-	Y	-	-	V	-	M	
KRF-V7773D-B	7	-	-	-	-	-	-	-	
KRF-V9993D	9	-	-	-	-	-	-	M	

SPECIFICATIONS

KRF-V7773D(for U.S. military)

Audio Section

Rated Output Power during stereo operation
120 watts per channel minimum RMS,both channels driven,at 6 Ω from 20Hz to 20kHz with no more than 0.05% total harmonic distortion (FTC).
Effective Output Power during stereo operation
1kHz,10%T.H.D.at 6 Ω .....140 W +140 W
Effective Output Power during surround operation
Front
1kHz,10%T.H.D.at 6 Ω,one channel driven .....160 W +160 W
20Hz ~ 20kHz,0.06% T.H.D.,6 Ω,one channel driven .....120 W +120 W
Center
1kHz,10%T.H.D.at 6 Ω,one channel driven.....160 W
20Hz ~ 20kHz,0.06% T.H.D.,6 Ω,one channel driven .....120 W
Surround
1kHz,10%T.H.D.at 6 Ω,one channel driven .....160 W +160 W
20Hz ~ 20kHz,0.06% T.H.D.,6 Ω,one channel driven .....120 W +120 W
Total Harmonic Distortion .....0.005%(1kHz,10 W,6 Ω)
Frequency Response (IHF' 66)
CD .....7 Hz~90 kHz, 0 dB, -3 dB
6ch Input .....7 Hz~100 kHz, 0 dB, -3 dB
Signal to Noise Ratio (IHF' 66)
Phono (MM).....74 dB
CD .....97 dB
Input Sensitivity / Impedance
Phono (MM) .....2.5 mV /47 kΩ
CD .....200 mV /47 kΩ
6ch Input .....200 mV /47 kΩ
Output Level / Impedance
Tape Rec .....200 mV /2.2 kΩ
Pre Out (Front, Center, Surround, Subwoofer) .....1 V /1 kΩ
Tone Control
Bass .....±7dB (at 100 Hz)
Treble.....±7dB (at 10 kHz)
Loudness Control
Volume at -30dB level .....+6dB (100Hz), +3dB (10 kHz)

Digital Audio Section

Sampling Frequency ..... 32 kHz, 44.1 kHz, 48 kHz, 96 kHz
Input Level / Impedance / Wavelength
Optical .....-15 dBm~-21 dBm, 660 nm +30 nm
Coaxial.....0.5 Vp-p /75 Ω
Output Level / Impedance / Wavelength
Optical .....-15 dBm~-21 dBm, 660 nm +30 nm

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 (Mono)
.....1.6 µV (75 Ω)/15.2 dBf (75 kHz dev.,sinad 30 dB)
50 dB Quieting Sensitivity
Stereo .....31.6 µV (75 Ω)/41.2 dBf
Total Harmonic Distortion (1 kHz)
Mono.....0.3%(65 dBf input)
Stereo.....0.7%(65 dBf input)
Signal to Noise Ratio (1 kHz, 75 kHz DEV.)
Mono.....75 dB (65 dBf input)
Stereo .....68 dB (65 dBf input)
Stereo Separation (1 kHz) .....38 dB
Selectivity (±400 kHz) .....70 dB
Frequency Response ..... 30 Hz~15 kHz, +0.5 dB, -3.0 dB

AM Tuner Section

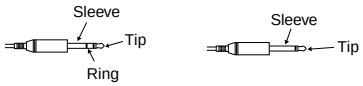
Tuning Frequency Range
10 kHz step .....530 kHz~1,700 kHz
Usable Sensitivity (30% mod., S/N 20 dB) .....16 µV /(600 µV/m)
Signal to Noise Ratio (30% mod. 1 mV input) ..... 50 dB

IR In/Out Section

IR Receiver In Terminal
Maximum Output Current .....20 mA
Operating Voltage .....12 V
Output Impedance .....470 Ω
IR Out LCD Remote Terminal
Maximum Output Current .....20 m A
Operating Voltage .....5 V
Output Impedance .....470 Ω
IR Repeater Out Terminal
Maximum Output Current .....20 m A
Operating Voltage .....12 V
Output Impedance .....470 Ω

SHAPE OF PLUG TO BE CONNECTED:

IR Receiver In and IR Out LCD Remote	IR Repeater Out
Stereo mini plug	Mono mini plug



IR IN/OUT SPECIFICATION:

Terminal	IR Receiver In	IR OUT LCD REMOTE
To Tip	Signal	Signal
To Ground	Ground	
To Sleeve	+12V	Ground

General

Power consumption .....350 W
AC outlet Switched .....2 (total 90 W,0.75 A max.)
Dimensions.....W : 440 mm (17-5/16")
H : 191 mm (7-1/2")
D : 416 mm (16-3/8")
Weight (Net) .....14.3 kg (31.5lb)

KRF-V7773D(for U.K.)

Audio Section

Rated Output Power during stereo operation
1kHz,0.05%T.H.D.at 4 Ω (DIN/IEC).....130 W +130 W
20Hz ~ 20kHz,0.05% T.H.D.,4 Ω(IEC)..120 W +120 W
Effective Output Power during surround operation
Front
20 Hz ~ 20 kHz, 0.06% T.H.D.,4 Ω,one channel driven .....120 W +120 W
Center
20Hz ~ 20kHz, 0.06% T.H.D.,4 Ω,one channel driven .....120 W
Surround
20 Hz ~ 20 kHz, 0.06% T.H.D.,4 Ω,one channel driven .....120 W +120 W
Total Harmonic Distortion ..... 0.005%(1 kHz, 10 W, 6 Ω)
Frequency Response (IHF' 66)
CD .....7 Hz~90 kHz, 0 dB, -3 dB
6ch Input .....7 Hz~100 kHz, 0 dB, -3 dB
Signal to Noise Ratio (IHF' 66)
Phono (MM).....74 dB
CD .....97 dB
Input Sensitivity / Impedance
Phono (MM) .....2.5 mV /47 kΩ
CD .....200 mV /47 kΩ
6ch Input .....200 mV /47 kΩ
Output Level / Impedance
Tape Rec .....200 mV /2.2 kΩ
Pre Out (Front, Center, Surround, Subwoofer) .....1 V /1 kΩ
Loudness Control
Volume at -30 dB level .....+6 dB (100 Hz), +3 dB (10 kHz)

Digital Audio Section

Sampling Frequency..... 32 kHz, 44.1 kHz, 48 kHz, 96 kHz
Input Level / Impedance / Wavelength
Optical .....-15 dBm~-21 dBm, 660 nm +30 nm
Coaxial.....0.5 Vp-p /75 Ω
Output Level / Impedance / Wavelength
Optical .....-15 dBm~-21 dBm, 660 nm +30 nm

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 (Mono)
.....1.2µV(DIN at 75Ω)/13.2dBf(40kHz dev., S/N 26dB)
Usable Sensitivity (STEREO)
.....45µV(DIN at 75Ω)/44.2dBf(46kHz dev., S/N 46dB)
Total Harmonic Distortion (DIN at 1 kHz)
Mono .....0.2%(65.2 dBf input)
Stereo.....0.8%(65.2 dBf input)
Signal to Noise Ratio (DIN/1 kHz, 40 kHz Dev.)
Mono .....65dB (65.2 dBf input)
Stereo .....60dB (65.2 dBf input)
Stereo Separation (DIN at 1 kHz .....36 dB
Selectivity (DIN, ±300kHz) .....64 dB
Frequency Response ..... 30Hz~15 kHz, +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 µV /(600 µV/m)
Signal to Noise Ratio (30% mod. 1 mV input) ..... 50 dB

General

Power consumption .....480 W
AC outlet Switched .....2 (total 90W max.)
Dimensions .....W : 440 mm
H : 191 mm
D : 416 mm
Weight (Net) .....18 kg (39.7lb)

KRF-V7773D(for other countries.)

Audio Section

Rated Output Power during stereo operation
20 Hz ~ 20 kHz,0.7% T.H.D.,6 Ω (IEC) .....130 W +130 W
Effective Output Power during stereo operation
1kHz,10% T.H.D.,at 6 Ω .....140 W +140 W
Effective Output Power during surround operation
Front
1kHz,10% T.H.D.at 6 Ω,one channel driven .....160 W +160 W
20 Hz ~ 20 kHz,0.06%T.H.D.,6 Ω,one channel driven .....120 W +120 W
Center
1kHz,10% T.H.D.at 6 Ω,one channel driven.....160 W
20Hz ~ 20kHz,0.06%T.H.D.,6 Ω,one channel driven .....120 W
Surround
1 kHz,10%T.H.D.at 6 Ω,one channel driven .....160 W +160 W
20 Hz ~ 20 kHz,0.06%T.H.D.,6 Ω,one channel driven .....120 W +120 W
Total Harmonic Distortion ..... 0.005%(1 kHz, 10 W, 6 Ω)
Frequency Response (IHF' 66)
CD .....7Hz~90 kHz, 0 dB, -3 dB
6ch Input .....7Hz~100 kHz, 0 dB, -3 dB
Signal to Noise Ratio (IHF' 66)
Phono (MM).....74 dB
CD .....97 dB
Input Sensitivity / Impedance
Phono (MM) .....2.5 mV /47 kΩ
CD .....200 mV /47 kΩ
6ch Input .....200 mV /47 kΩ
Output Level / Impedance
Tape Rec .....200 mV /2.2 kΩ
Pre Out (Front, Center, Surround, Subwoofer) .....1 V /1 kΩ
Loudness Control
Volume at -30dB level .....+6 dB (100 Hz), +3 dB (10 kHz)

Digital Audio Section

Sampling Frequency..... 32 kHz, 44.1 kHz, 48 kHz, 96 kHz
Input Level / Impedance / Wavelength
Optical .....-15 dBm~-21 dBm, 660 nm +30 nm
Coaxial.....0.5 Vp-p /75 Ω
Output Level / Impedance / Wavelength
Optical .....-15 dBm~-21 dBm,660 nm +30 nm

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 (Mono)
....1.6 µV (75 Ω)/15.2 dBf (75 kHz dev., SINAD 30 dB)
50dB Quieting Sensitivity
STEREO .....31.6 µV/41.2 dBf (75 Ω)
Total Harmonic Distortion (1 kHz)
Mono .....0.6%(65 dBf input)
Stereo.....0.7%(65 dBf input)
Signal to Noise Ratio (1 kHz, 75 kHz Dev.)
Mono .....75 dB (65 dBf input)
Stereo .....68 dB (65 dBf input)
Stereo Separation (1 kHz) .....38 dB
Selectivity (±400 kHz) .....50 dB
Frequency Response ..... 30 Hz~15 kHz, +0.5 dB, -3.0 dB

AM Tuner Section

Tuning Frequency Range
9kHz step .....531 kHz~1,602 kHz
10kHz step .....530 kHz~1,610 kHz
Usable Sensitivity (30% mod., S/N 20 dB) .....16 µV /(600 µV/m)
Signal to Noise Ratio (30% mod. 1 mV input) .....50 dB

General

Power consumption .....480 W
AC outlet Switched .....2 (total 90W max.)
Dimensions .....W : 440 mm
H : 191 mm
D : 416 mm
Weight (Net) .....18 kg (39.7lb)

KRF-V7773D/V7773D-B/V9993D

SPECIFICATIONS

KRF-V9993D (for U.K.)

Audio Section

Rated Output Power during stereo operation
20 Hz ~ 20 kHz, 0.05% T.H.D. , 4Ω (IEC) ..... 130 W + 130 W
1 kHz, 0.05% T.H.D. , 4Ω (DIN/IEC) ..... 130 W + 130 W

Effective Output Power during surround operation (Simultaneous power)
Front
20 Hz ~ 20 kHz, 0.06 % T.H.D. at 4 Ω ..... 130 W + 130 W
Center
20 Hz ~ 20 kHz, 0.06 % T.H.D. at 4 Ω ..... 130 W
Surround
20 Hz ~ 20 kHz, 0.06 % T.H.D. at 4 Ω ..... 130 W + 130 W

Total Harmonic Distortion ..... 0.005 % (1 kHz, 10 W, 4 Ω)

Frequency Response (IHF'66)
CD1 ..... 7 Hz ~ 90 kHz, 0 dB, -3 dB
DVD 6CH ..... 7 Hz ~ 100 kHz, 0 dB, -3 dB

Signal to Noise Ratio (IHF'66)
PHONO (MM) ..... 74 dB
CD1 ..... 97 dB

Input Sensitivity / Impedance
PHONO (MM) ..... 2.5 mV / 47 kΩ
CD1 ..... 200 mV / 47 kΩ
DVD 6CH ..... 200 mV / 47 kΩ

Output Level / Impedance
TAPE REC ..... 200 mV / 2.2 kΩ
PRE OUT(Front, Center, Surround, Subwoofer) 1 V / 1 kΩ

Tone Control
Bass ..... ±7 dB (at 100 Hz)
Treble ..... ±7 dB (at 10 kHz)

Loudness Control Volume at -40 dB level
..... +6 dB (100 Hz), +3 dB (10 kHz)

Digital Audio Section

Sampling Frequency ..... 32 kHz, 44.1 kHz, 48 kHz, 96 kHz
Input Level / Impedance / Wavelength
Optical ..... -15 dBm ~ -21 dBm, 660 nm ±30 nm
Coaxial ..... 0.5 Vp-p / 75 Ω

Output Level / Impedance / Wavelength
Optical ..... -15 dBm ~ -21 dBm, 660 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
Component (luminance signal) ..... 1 Vp-p / 75 Ω
(Cb/Cr-signal) ..... ±0.350 Vp-p / 75 Ω

FM Tuner Section

Tuning Frequency Range ..... 87.5 MHz ~ 108 MHz

Usable Sensitivity (DIN at 75 Ω)
Mono ..... 1.2 µV/ 13.2 dBf (40 kHz dev., S/N 26 dB)
Stereo ..... 45 µV/ 44.2 dBf (46 kHz dev., S/N 46 dB)

Total Harmonic Distortion (1 kHz)
Mono ..... 0.2 % (65.2 dBf input)
Stereo ..... 0.8 % (65.2 dBf input)

Signal to Noise Ratio (DIN. at 1 kHz, 40 kHz dev.)
Mono ..... 65 dB (65.2 dBf input)
Stereo ..... 60 dB (65.2 dBf input)

Stereo Separation (1 kHz) ..... 36 dB
Selectivity (DIN +300 kHz) ..... 64 dB
Frequency Response ..... 30 Hz ~ 15 kHz, +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 µV / (600 µV/m)
Signal to Noise Ratio (30 % mod., 1 mV input) ..... 50 dB

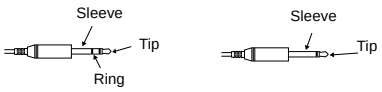
IR In/Out Section

IR Receiver In Terminal
Maximum Output Current ..... 20 mA
Operating Voltage ..... 12 V
Output Impedance ..... 470 Ω

IR Out LCD Remote Terminal
Maximum Output Current ..... 20 mA
Operating Voltage ..... 5 V
Output Impedance ..... 470 Ω

SHAPE OF PLUG TO BE CONNECTED:

IR Receiver In and IR Out LCD Remote	IR Repeater Out
Stereo mini plug	Mono mini plug



IR IN/OUT SPECIFICATION:

	Terminal	
	IR Receiver In	IR OUT LCD REMOTE
To Tip	Signal	Signal
To Ring	Ground	
To Sleeve	+12V	Ground

RELAY CONTROL SPECIFICATION:

	status		
	Power Off	Power On	Power On and when switched to Video Input
To Tip	0V	0V	+12V
To Ring	0V	+12V	+12V
To Sleeve	Ground	Ground	Ground

General

Power consumption ..... 480 W

AC outlet
Switched ..... 2 (total 90 W max.)

Dimensions ..... W : 480mm
H : 191mm
D : 416mm

Weight (Net) ..... 18 kg

KRF-V9993D (for Other Countries)

Audio Section

Rated Output Power during stereo operation
20 Hz ~ 20 kHz, 0.7% T.H.D. , 6Ω (IEC) ..... 145 W + 145 W
130 watts per channel minimum RMS, both channels driven, at 6 Ω from 20Hz to 20kHz with no more than 0.05% total harmonic distortion (FTC).

Effective Output Power during stereo operation
1 kHz, 10 % T.H.D. at 6 Ω ..... 165 W + 165 W

Effective Output Power during surround operation
Front
1 kHz, 10 % T.H.D. at 6 Ω, one channel driven ..... 185 W + 185 W
Center
1kHz, 10% T.H.D. at 6 Ω, one channel driven ..... 185 W
Surround
1kHz, 10% T.H.D. at 6 Ω, one channel driven ..... 185 W + 185 W

Total Harmonic Distortion ..... 0.005 % (1 kHz, 10 W, 6 Ω)

Frequency Response (IHF'66)
CD1 ..... 7 Hz ~ 90 kHz, 0 dB, -3 dB
DVD 6CH ..... 7 Hz ~ 100 kHz, 0 dB, -3 dB

Signal to Noise Ratio (IHF'66)
PHONO (MM) ..... 74 dB
CD1 ..... 97 dB

Input Sensitivity / Impedance
PHONO (MM) ..... 2.5 mV / 47 kΩ
CD1 ..... 200 mV / 47 kΩ
DVD 6CH ..... 200 mV / 47 kΩ

Output Level / Impedance
TAPE REC ..... 200 mV / 2.2 kΩ
PRE OUT (Front, Center, Surround, Subwoofer) .. 1 V / 1 kΩ

Tone Control
Bass ..... ±7 dB (at 100 Hz)
Treble ..... ±7 dB (at 10 kHz)

Loudness Control
Volume at -30 dB level ..... +6 dB (100 Hz), +3 dB (10 kHz)

Digital Audio Section

Sampling Frequency ..... 32 kHz, 44.1 kHz, 48 kHz, 96 kHz
Input Level / Impedance / Wavelength
Optical ..... -15 dBm ~ -21 dBm, 660 nm ±30 nm
Coaxial ..... 0.5 Vp-p / 75 Ω

Output Level / Impedance / Wavelength
Optical ..... -15 dBm ~ -21 dBm, 660 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
Component (luminance signal) ..... 1 Vp-p / 75 Ω
(Cb/Cr-signal) ..... ±0.350 Vp-p / 75 Ω

FM Tuner Section

Tuning Frequency Range ..... 87.5 MHz ~ 108 MHz

Usable Sensitivity (Mono)
..... 1.6 µV (75 Ω) / 15.2 dBf (75 kHz dev., sinad 30 dB)

50dB Quieting Sensitivity
Stereo ..... 31.6 µV (75 Ω) / 41.2 dBf

Total Harmonic Distortion (1 kHz)
Mono ..... 0.6 % (65 dBf input)
Stereo ..... 0.7 % (65 dBf input)

Signal to Noise Ratio (1 kHz, 75 kHz DEV.)
Mono ..... 75 dB (65 dBf input)
Stereo ..... 68 dB (65 dBf input)

Stereo Separation (1 kHz) ..... 38 dB
Selectivity (±400 kHz) ..... 50 dB
Frequency Response ..... 30 Hz ~ 15 kHz, +0.5 dB, -3.0 dB

AM Tuner Section

Tuning Frequency Range
9kHz step ..... 531 kHz ~ 1,602 kHz
10kHz step ..... 530 kHz ~ 1,610 kHz

Usable Sensitivity (30 % mod., S/N 20 dB)
..... 16 µV / (600 µV/m)
Signal to Noise Ratio (30 % mod. 1 mV input) ..... 50 dB

General

Power consumption ..... 430 W

AC outlet
Switched(except for Australia) ..... 2 (total 70 W max.)
Switched(for Australia) ..... 1 (total 70 W max.)

Dimensions ..... W : 480mm
H : 191mm
D : 416mm

Weight (Net) ..... 18.1 kg

Notes
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).

Note:
Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) 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.

KENWOOD CORPORATION
14-6,Dogenzaka 1-chome, Shibuya-ku, Tokyo, 150-8501 Japan

KENWOOD SERVICE CORPORATION
P.O BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.

KENWOOD ELECTRONICS BELGUM N.V.
Meachelsesteenweg 418, B-1930 Zaventem, Belgium