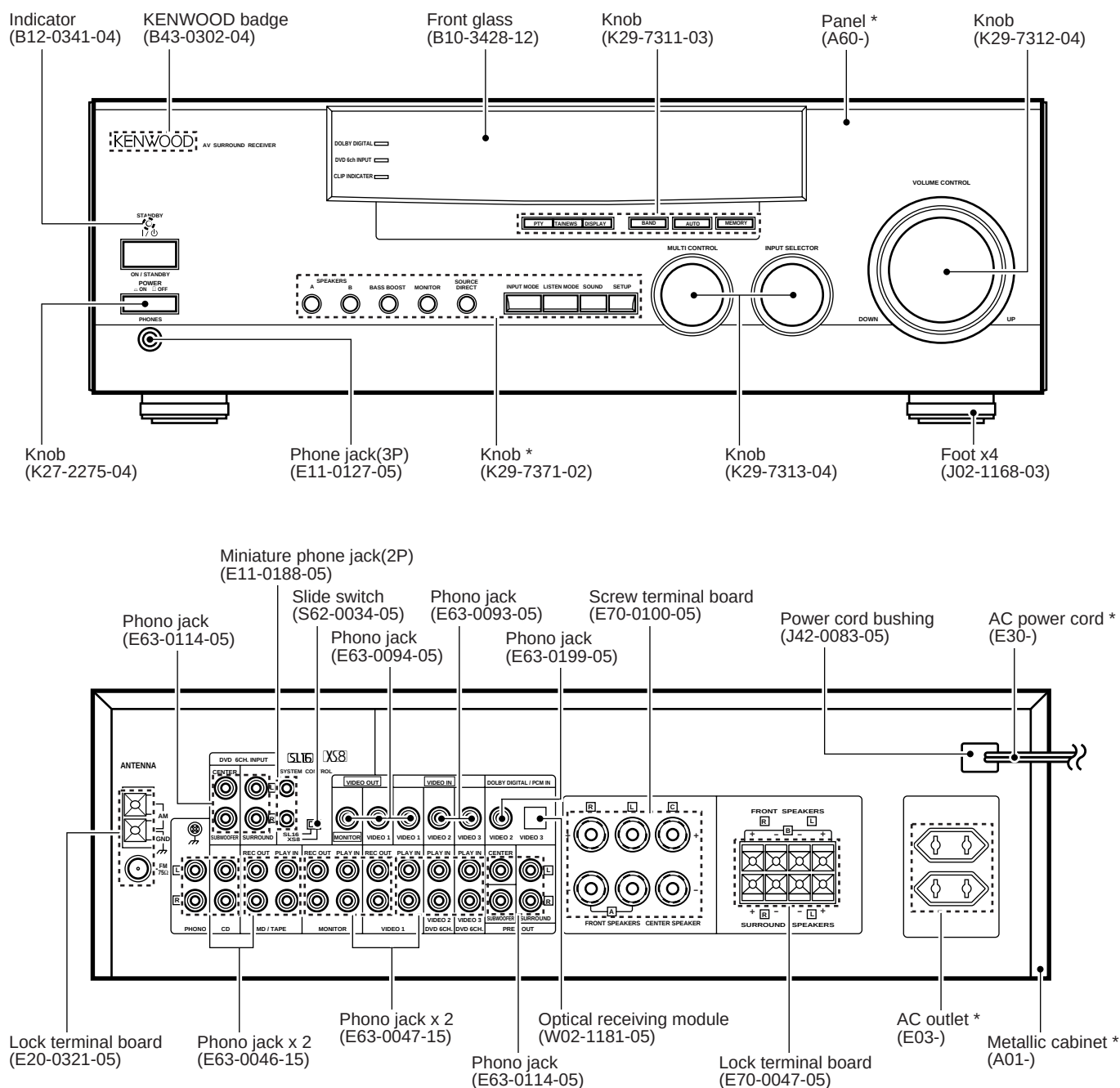


This manual is available for repair in the Europe, England, Australia and Russia markets.
Please refer to the original manual (B51-5419-00) if need the information in the USA and Canada and other markets.



KRF-V8010D/V8010DW

CONTENTS / ACCESSORIES / CAUTIONS

Contents

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BLOCK DIAGRAM	6	EXPLODED VIEW	30
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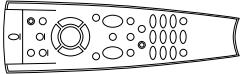
Please refer to KRF-V5010 (B51-5425-00) and KRF-V7510D (B51-5419-00) service manuals if need the information on circuit description.

Accessories

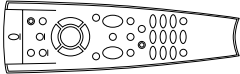
FM indoor antenna (1)
(T90-0836-05)



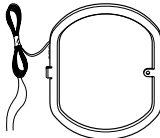
Remote control unit (1)
(A70-1252-05)



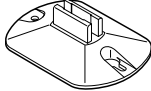
Battery cover (A09-0366-08)



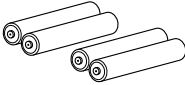
AM loop antenna (1) (T90-0833-05)



Loop antenna stand (1)



Batteries (R03/AAA) (4)



Cautions

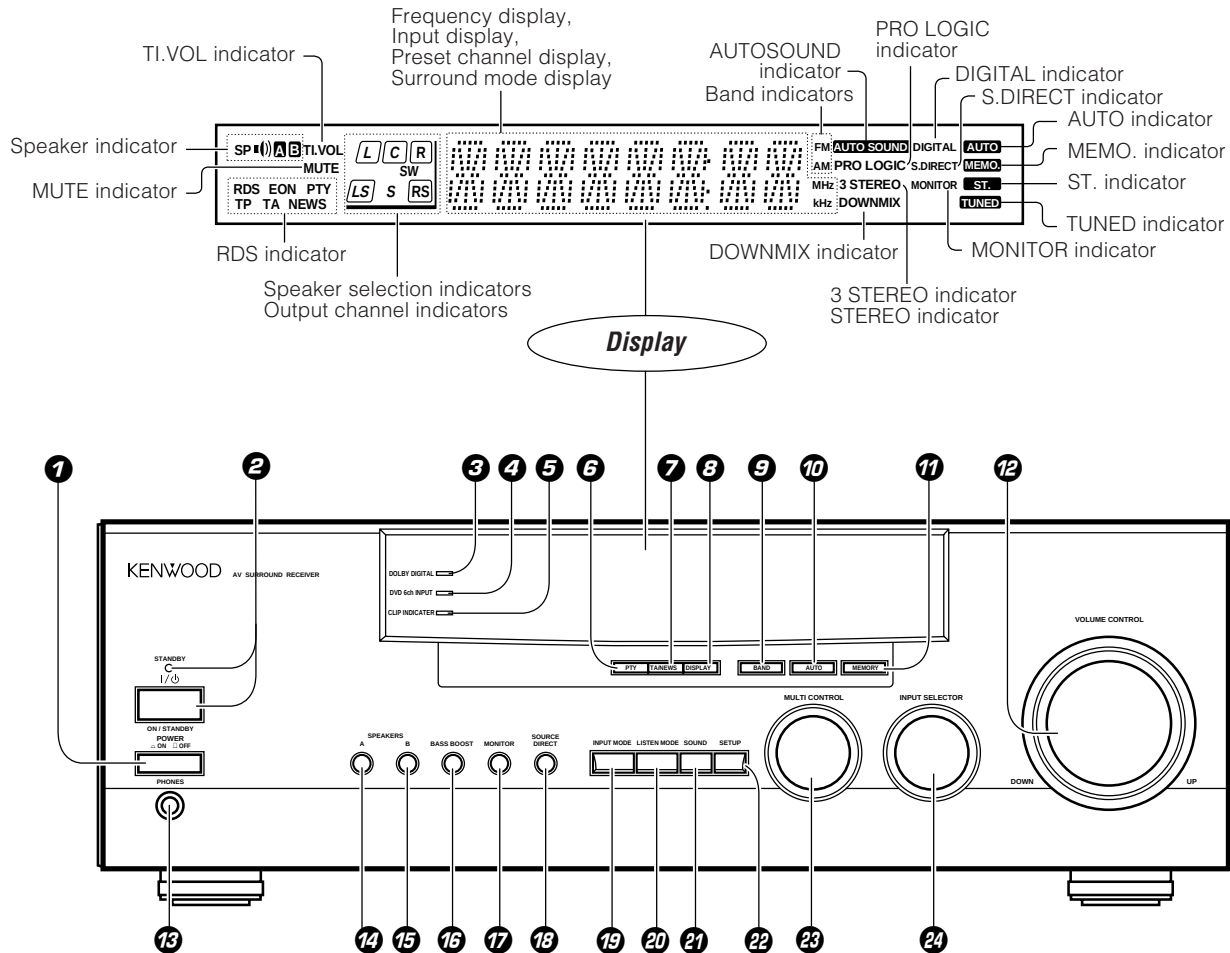
Resetting the Microcomputer

If the microcomputer may malfunction (unit cannot be operated, or shows an erroneous display) if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

With the power cord plugged in, turn the **POWER** key OFF. Then, while holding down the **ON/STANDBY** key, press **POWER**.

- Please note that resetting the microcomputer will clear the contents of the memory and returns the unit to the state it was in when it left the factory.

CONTROLS

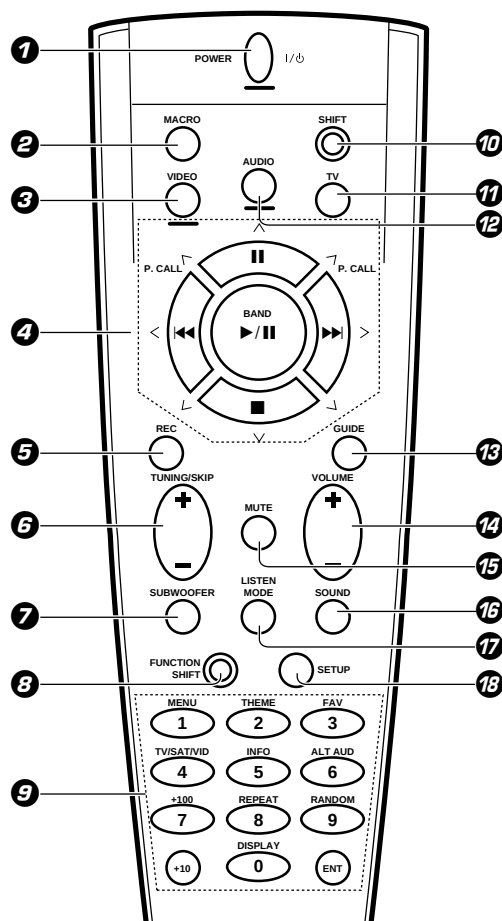


- 1 POWER key**
Use to turn the main power ON/OFF.
- 2 ON/STANDBY (I/O) key**
Use to switch the power ON/STANDBY when the POWER is turned ON.
STANDBY indicator
- 3 DOLBY DIGITAL indicator**
Lights when the receiver is in the Dolby Digital mode.
- 4 DVD 6ch INPUT indicator**
Lights when the receiver is in the DVD 6ch INPUT mode.
- 5 CLIP INDICATOR indicator**
Lights when the input signal is too large to be handled by the receiver, and "clipping" is occurring.
- 6 PTY key**
Use to perform PTY search.
- 7 TA/NEWS key**
- 8 DISPLAY key**
Use to change the display indications when receiving RDS broadcasts.
- 9 BAND key**
Use to select the broadcast band.
- 10 AUTO key**
Use to select the auto tuning mode
- 11 MEMORY key**
Use to store radio stations in the preset memory.
- 12 VOLUME CONTROL knob**
- 13 PHONES jack**
Use for headphone listening.
- 14 SPEAKERS A key**
Use to turn speaker system A on and off.
- 15 SPEAKERS B key**
Use to turn speaker system B on and off.
- 16 BASS BOOST key**
Use to select the maximum adjustment setting for the low frequency range.
- 17 MONITOR key**
- 18 SOURCE DIRECT key**
- 19 INPUT MODE key**
Use to switch between the digital and analog inputs.
- 20 LISTEN MODE key**
Use to select the listening mode.
- 21 SOUND key**
Use to adjust the sound quality and ambience effects.
- 22 SETUP key**
Use to select the surround sound settings.
- 23 MULTI CONTROL knob**
Used to make a variety of settings.
- 24 INPUT SELECTOR knob**
Use to select the input sources.

About the STANDBY indicator

This unit has a STANDBY indicator. When the STANDBY indicator is lit, the unit consumes a small amount of power to preserve the memory. This is called STANDBY mode. This mode also lets you turn the power ON using the remote control.

CONTROLS



There are some cases in which keys (or knobs) that have the same function on the receiver and on the remote control have different names. In the instructions of this manual, if the names of corresponding keys (or knobs) on the receiver and remote control are different, the name of the remote control key is indicated in parentheses.

1 POWER key

Use to turn the receiver on and off.
Use in combination with the input selector (AUDIO, VIDEO, or TV) keys and SHIFT key to turn various components on and off.

2 MACRO key

Use in combination with the AUDIO, VIDEO, or TV keys to execute a series of commands automatically (MACRO PLAY).

3 VIDEO selector key

Selects the video inputs and sets the remote control to operate the component registered at the respective input.

4 Multi control keys

Use to operate the selected component.

5 REC key

Use to operate the selected component.

6 TUNING/SKIP key

Use during the setup procedure to specify various settings. Use to operate the tuner or selected component.

7 SUBWOOFER key

Use in combination with the VOLUME +/- keys to adjust the volume of the subwoofer.

8 FUNCTION SHIFT key

Use in combination with the numeric keys to execute alternate commands.

9 Numeric keys

Provide functions identical to those of the original remote control supplied with the component you are controlling.
To access the functions printed above the keys, press within 3 seconds of pressing the FUNCTION SHIFT key. Function availability varies for each component.

10 SHIFT key

Use in combination with the AUDIO and VIDEO keys to change the remote control mode without changing the input selector or in combination with the POWER key to turn on and off components programmed into the remote control.

11 TV selector key

Sets the remote control to operate a TV or cable box. This key does not change the input selector on the receiver.

12 AUDIO selector key

Selects the audio inputs and sets the remote control to operate the respective KENWOOD audio component.

If you connect audio components from KENWOOD and other makers to the MD/TAPE or CD jacks, you can set the remote control to operate these components by registering the appropriate setup code at the respective input.

13 GUIDE key

Use to activate the OSD menu functions of registered components.

14 VOLUME key

Use to adjust the receiver volume.

15 MUTE key

Use to temporarily mute the sound.

16 SOUND key

Use to adjust the sound quality and ambience effects.

17 LISTEN MODE key

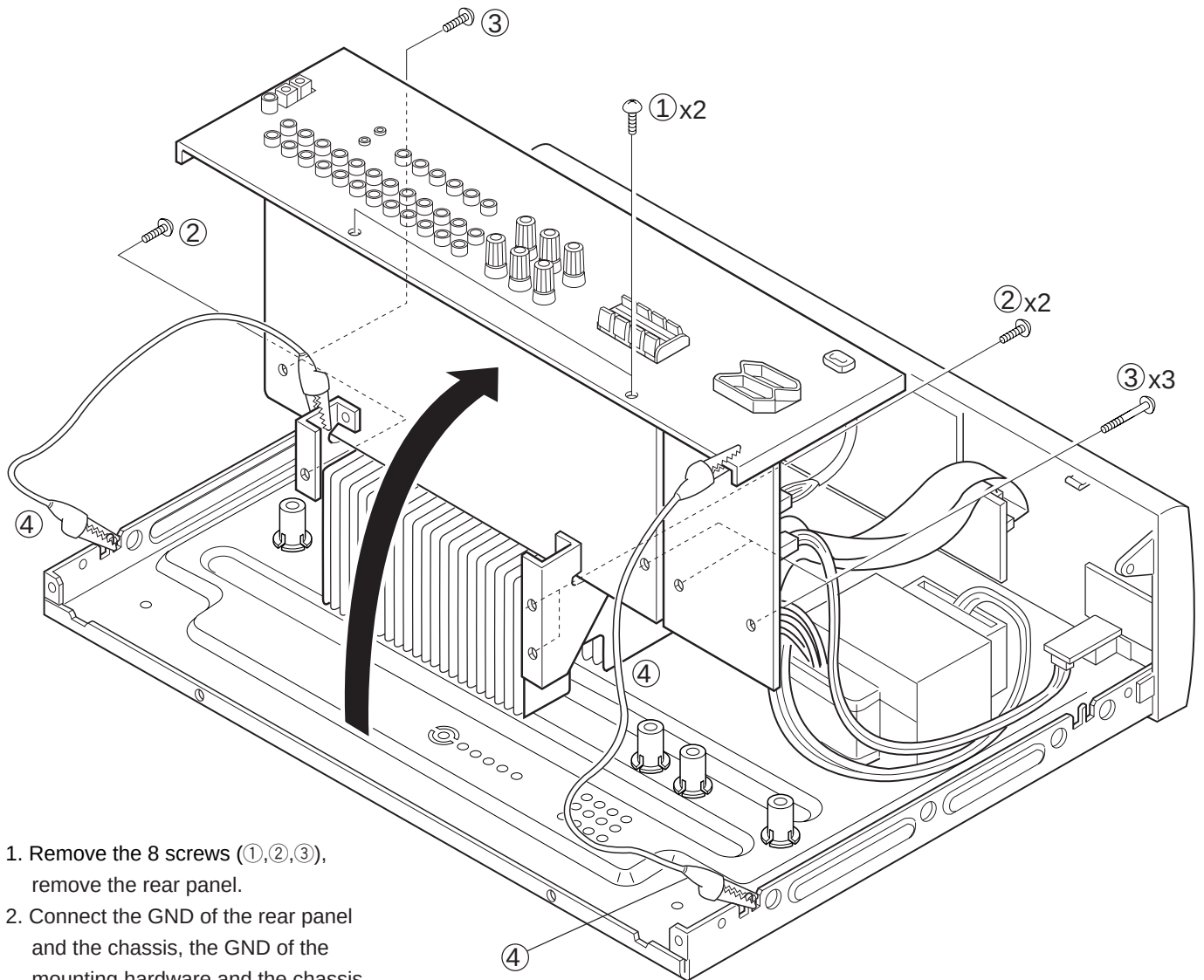
Use to select the listening mode.

18 SETUP key

Use to select the surround sound settings.

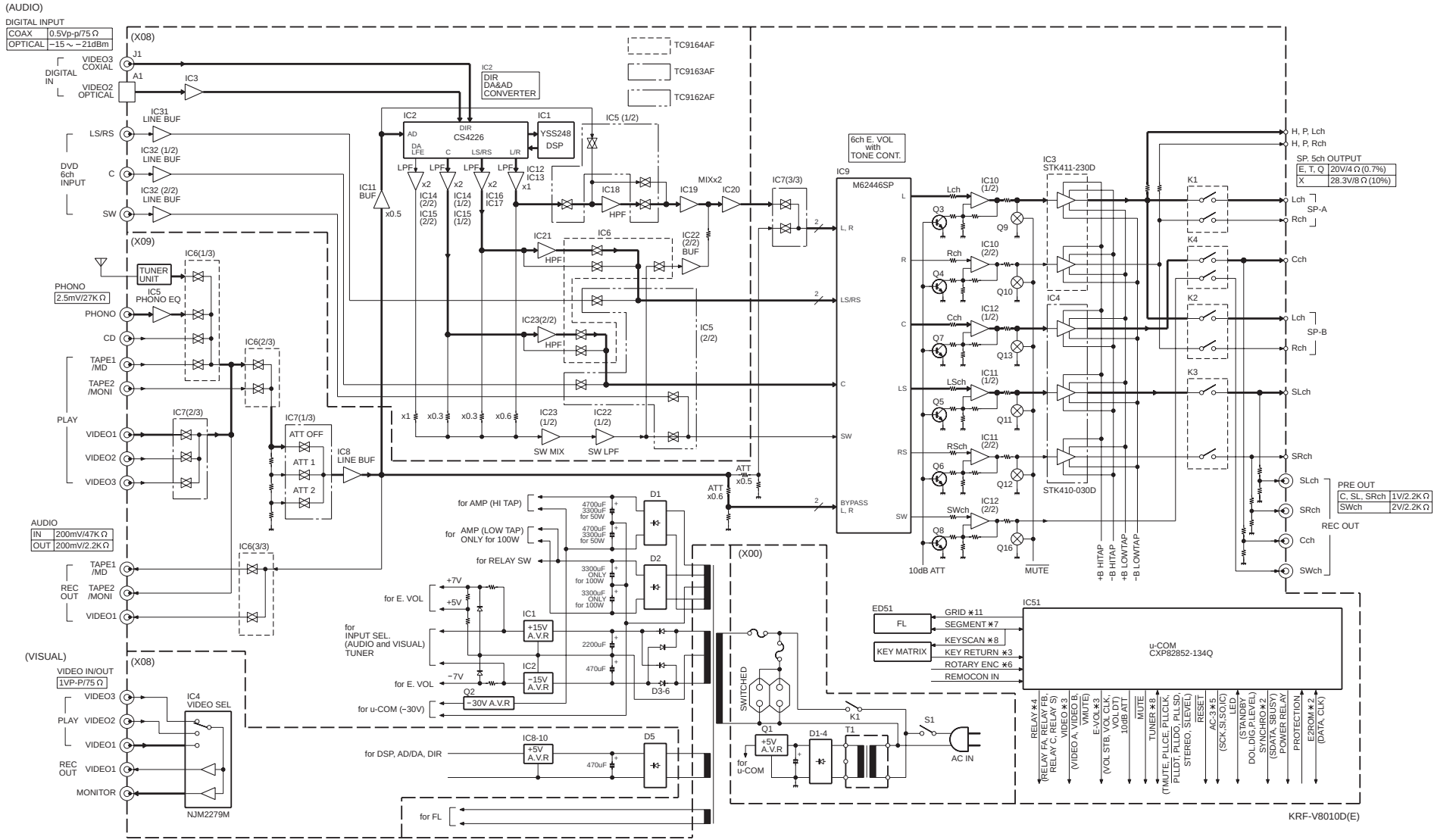
KRF-V8010D/V8010DW

DISASSEMBLY FOR REPAIR



1. Remove the 8 screws (①,②,③), remove the rear panel.
2. Connect the GND of the rear panel and the chassis, the GND of the mounting hardware and the chassis with 2 alligator clip (④)

BLOCK DIAGRAM



CIRCUIT DESCRIPTION

KRF-V8010D/V8010DW

CIRCUIT DESCRIPTION

1-2 Pin description

Pin No.	Pin Name	I/O	Description
1,2	G10,11	O	Display grids 10,11
3	None	–	Ic test mode port.
4	CK	I	RDS clock input.
5	RDS. DT	I	RDS data input.
6	AUDIO	I	Audio signal detection port. L=AUDIO.
7	VOL.ENC.A	I	Volume encoder A(clockwise) input.
8	REMOCON	I	Remote control signal input.
9	VOL.ENC.B	I	Volume encoder B(counterclockwise) input.
10,11	None	O	Ic test mode port.
12-14	KR0-2	I	Key return 0-2.
15	PROTECT	I	Protection signal detection port. H=PROTECT.
16	S.DATA	I/O	Serial DATA signal.
17	S.BUSY	I/O	Serial BUSY signal.
18	E2.DT	I/O	E2 PROM data.
19	E2.CLK	I/O	E2 PROM clock.
20	SEL.ENC.A	I	Selector encoder A(clockwise) input.
21	SEL.ENC.B	I	Selector encoder B(counterclockwise) input.
22	MULTI.ENC.A	I	Multi encoder A(clockwise) input.
23	MULTI.ENC.B	I	Multi encoder B(counterclockwise) input.
24	AC3	I	AC-3 signal detection.
25	AC3.SCK	O	YSS248 clock output.
26	AC3.SI	I	YSS248 data input.
27	AS3.SO	O	YSS248 data output.
28	Vdd	–	Analog power supply(+5V)
29	S. LEVEL	I	Signal level A/D input.
30	SEL.ST2	O	TC9162AF/63AF/64AF st2 output. H=latch.
31	AC3.CS	O	YSS248 CS output.
32	CODEC.CS	O	CS4226 CS output.
33	PLL.DO	I	PLL ic do signal input port.
34	PLL.ST	I	Tuner stereo signal detection port. L=STEREO.
35	PLL.SD	I	Tuner sd signal detection port. L=TUNED.
36	RCV.CE	I	Receiver chip enable signal port. L=ENABLE.
37	Avss	–	Analog GND.
38	RESET	I	Microprocessor reset signal.
39,40	8MHz	I	Main clock generation(8MHz).
41	Vss	–	Microprocessor GND.
42	None	I	No connect
43	TEX	–	GND.
44	Vdd	–	Power supply(+5V).
45	Vfdp	–	Power supply(-33V).
46	SEL.ST1	O	TC9162AF/63AF/64AF st1 output. H=latch.
47	PLL.DT	O	PLL ic data signal output.
48	PLL.CK	O	PLL ic clock signal output.
49	PLL.CE	O	PLL ic ce signal output port.
50	T.TUNE	O	Tuner mute control. L=mute on.
51	A.MUTE	O	Output mute control. L=mute on.
52	SW.MUTE	O	Sub woofer mute control. L=mute on.
53	10dB.ATT	O	Volume 10dB attenuation control. H=att. on.
54	VOL.DT	O	Volume ic (M62446SP) data control.
55	VOL.CK	O	Volume ic (M62447SP) clock control. H=active.

CIRCUIT DESCRIPTION

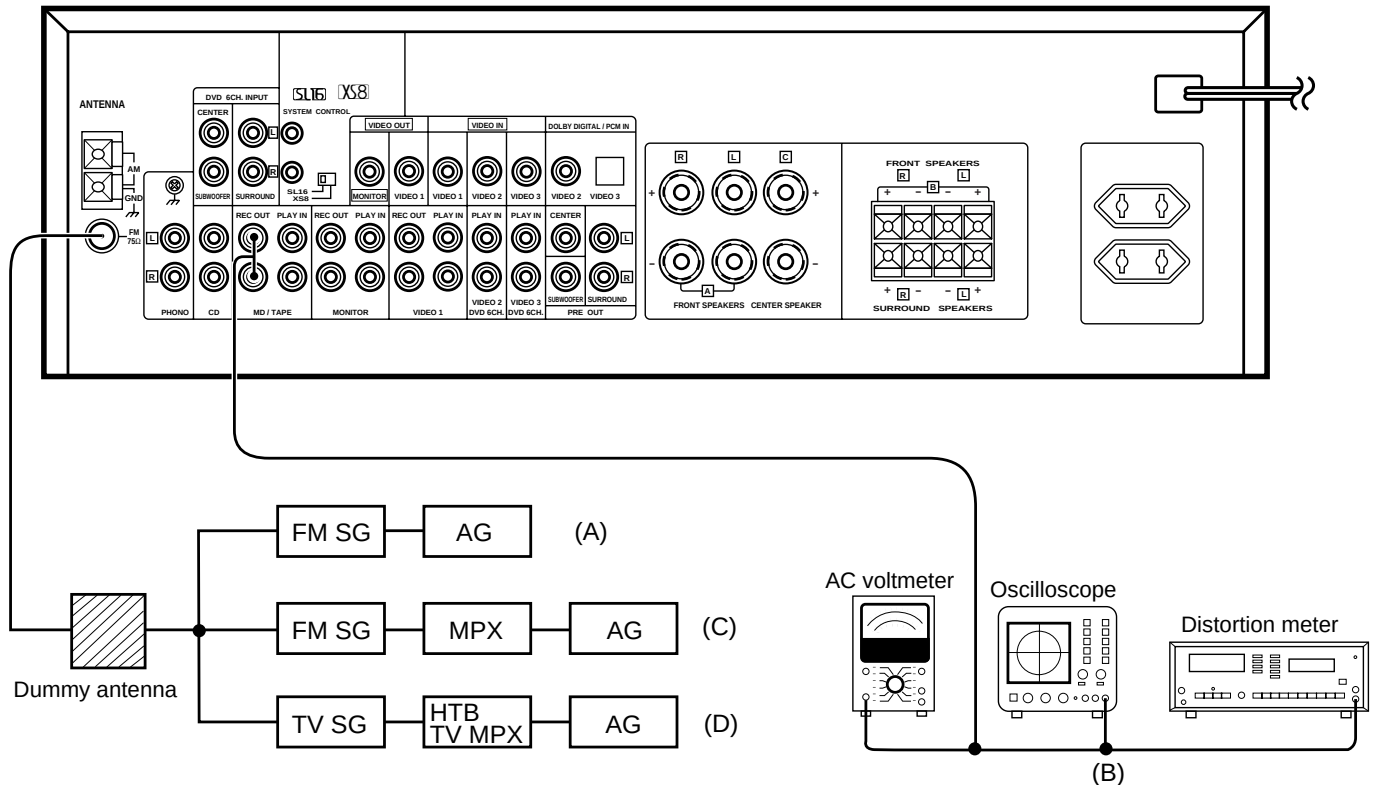
Pin No.	Pin Name	I/O	Description
56	VOL.ST	O	Volume ic (M62448SP) st control. H=active.
57	VCR.MUTE	O	Video ic (NJU2279D) cont2/4 mute control. L=mute on.
58	VCR.A	O	Video ic (NJU2279D) cont1 mute control. H/L=static.
59	VCR.B	O	Video ic (NJU2279D) cont3 mute control. H/L=static.
60	FA.RLY	O	Front A speaker relay control. H=relay on.
61	FB.RLY	O	Front B speaker relay control. H=relay on.
62	C.RLY	O	Center speaker relay control. H=relay on.
63	S.RLY	O	Rear speaker relay control. H=relay on.
64	POWER.RLY	O	Power relay control. H=relay on.
65	STANDBY.LED	O	Standby led control.L=led on.
66	DOL.DIG.LED	O	Dolby digital led control.L=led on.
67	CLIP INDI. LED	O	Clip indicator led control.L=led on.
68	DVD 6CH LED	O	DVD 6CH input level control.
69-70	None	O	No connect
71	PACL_CTL	O	Non oscillation of power pack ic at power off. L=stop oscillation.
72	AC3.IC	O	YSS248/CS4226 initial clear port.
73	EMPHASIS	O	Tuner emphasis on/off. H=100k/10k,L=50k/9k.
74-81	P1-8	O	Display segments 1-8 & key returns 0-7.
82-88	P9-15	O	Display segments 9-15.
89	Vdd	O	Microprocessor power supply(+5V)
90,91	P16,17	O	Display segments 16,17
92-100	G1-9	O	Display grids 1-9.

KRF-V8010D/V8010DW

ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER 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 (TUNER UNIT)	MONO 98.0MHz	L4 (TUNER UNIT)	0V	(a)
2	DISTORTION (MONO)	(A) 98.0MHz 1kHz, ±40kHz dev. MONO 70dBf (ANT. input)	(B)	MONO 98.0MHz	L5 (TUNER UNIT)	Minimum distortion	(a)
3	DISTORTION (STEREO)	(C) 98.0MHz 1kHz, ±40kHz dev. Selector : L or R Pilot : ±6kHz dev. 70dBf (ANT. input)	(B)	AUTO 98.0MHz	IFT (TUNER UNIT : A1)	Minimum distortion (L or R)	(a)
4	TUNING LEVEL	(A) 98.0MHz MONO 1kHz, ±40kHz dev. 25dBf (ANT. input)	(B)	MONO 98.0MHz	VR1 (TUNER UNIT)	Adjust VR1 and stop at the point where ED51 (TUNED) goes on.	(a)

SYSTEM CONNECTIONS

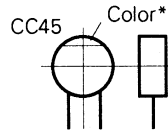


PARTS DESCRIPTIONS

CAPACITORS

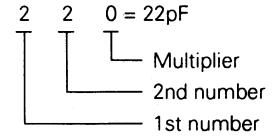
CC 45 TH 1H 220 J
1 2 3 4 5 6

- 1 = Type ... ceramic, electrolytic, etc. 4 = Voltage rating
2 = Shape ... round, square, ect. 5 = Value
3 = Temp. coefficient 6 = Tolerance



Capacitor value

- 010 = 1pF
100 = 10pF
101 = 100pF
102 = 1000pF = 0.001μF
103 = 0.01μF



Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 -20	+80 -20	+100 -0	More than 10μF -10 ~ +50 Less than 4.7μF -10 ~ +75

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

Voltage rating

2nd word 1st word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

Chip capacitors

- (EX) C C 7 3 F S L 1 H 0 0 0 J
1 2 3 4 5 6 7
(Chip) (CH, RH, UJ, SL)
- (EX) C K 7 3 F F 1 H 0 0 0 Z
1 2 3 4 5 6 7
(Chip) (B, F)
- Refer to the table above.
1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Voltage rating
6 = Value
7 = Tolerance

Dimension (Chip capacitors)

Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

RESISTORS

Chip resistor (Carbon)

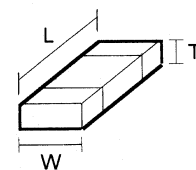
- (EX) R K 7 3 E B 2 B 0 0 0 J
1 2 3 4 5 6 7
(Chip) (B,F)

Carbon resistor (Normal type)

- (EX) R D 1 4 B B 2 C 0 0 0 J
1 2 3 4 5 6 7

- 1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Rating wattage
6 = Value
7 = Tolerance

Dimension



Dimension (Chip resistor)

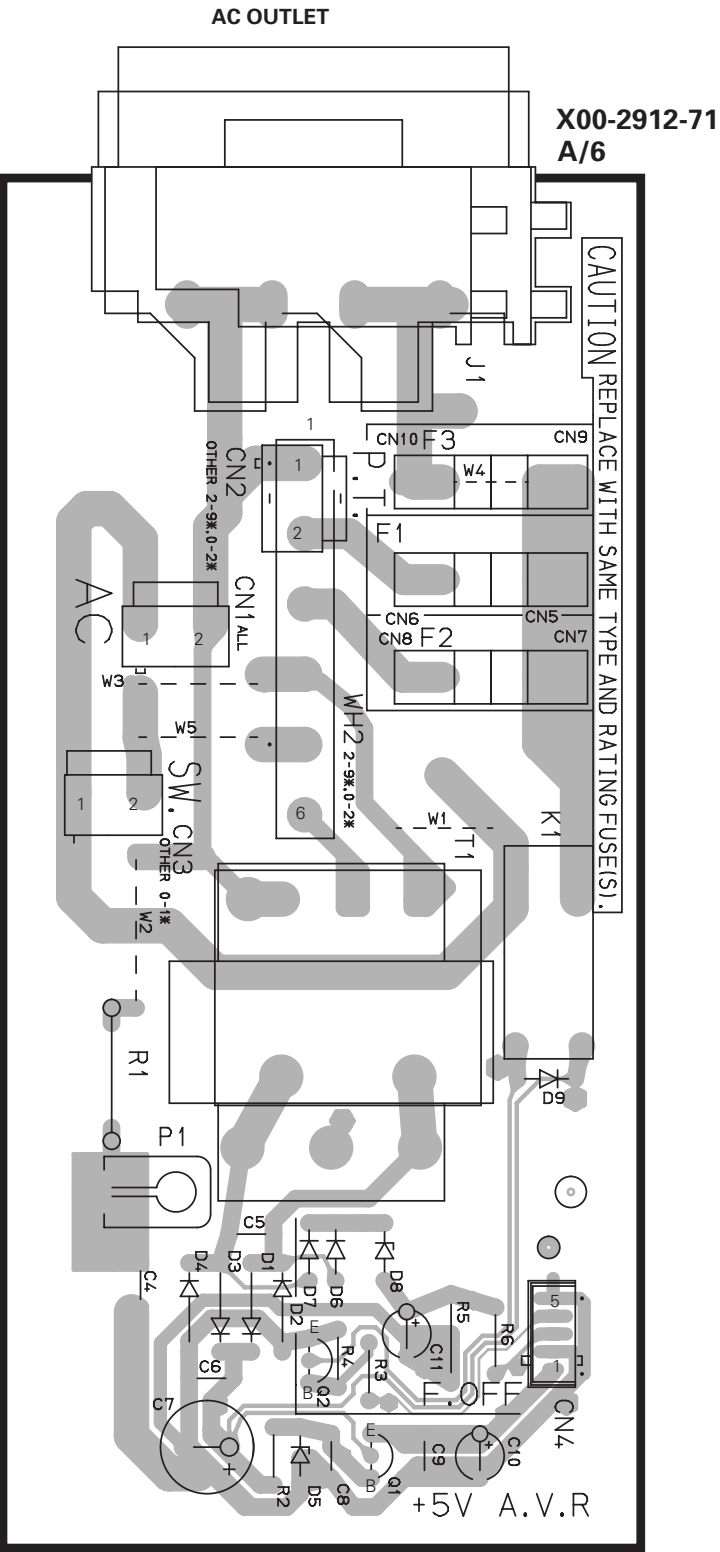
Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6 ± 0.2	0.8 ± 0.2	0.5 ± 0.1

Rating wattage

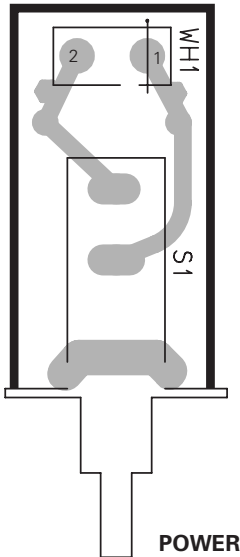
Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

PC BOARD(Component side view)

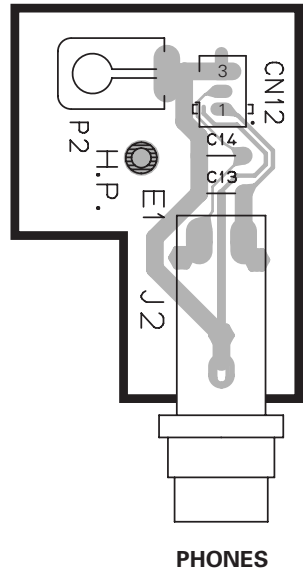
POWER SUPPLY UNIT



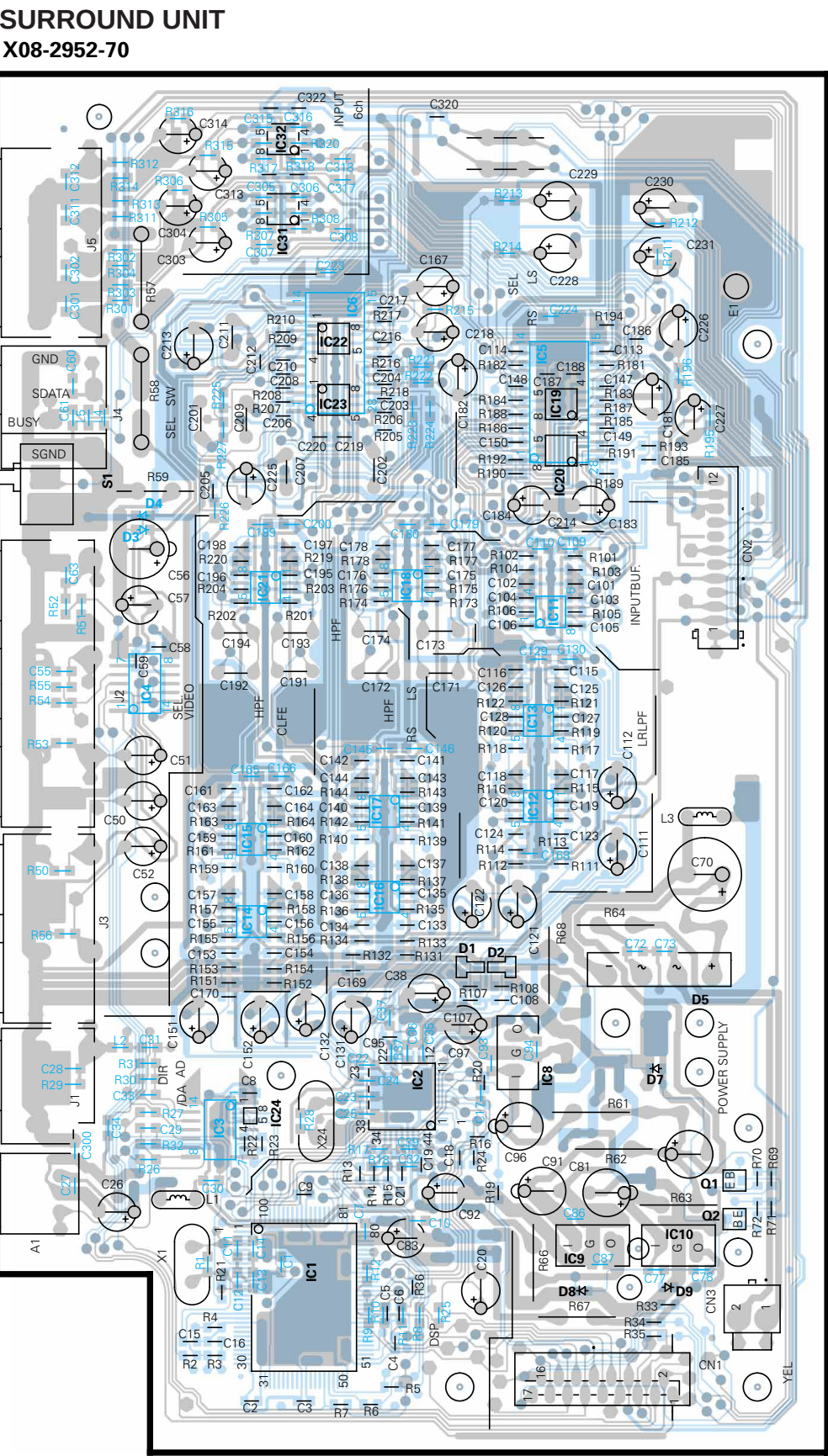
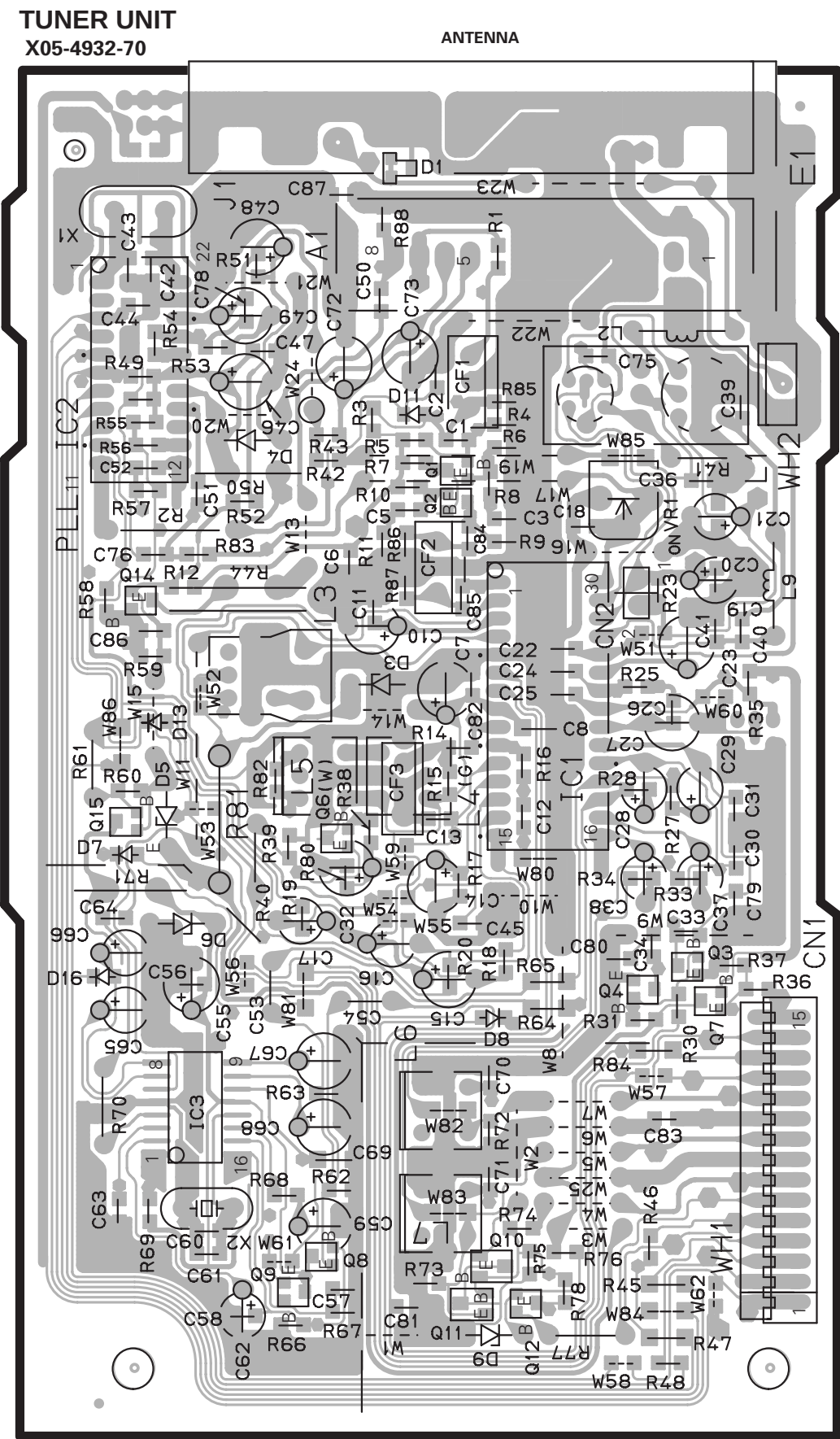
X00 B/6



X00 D/6



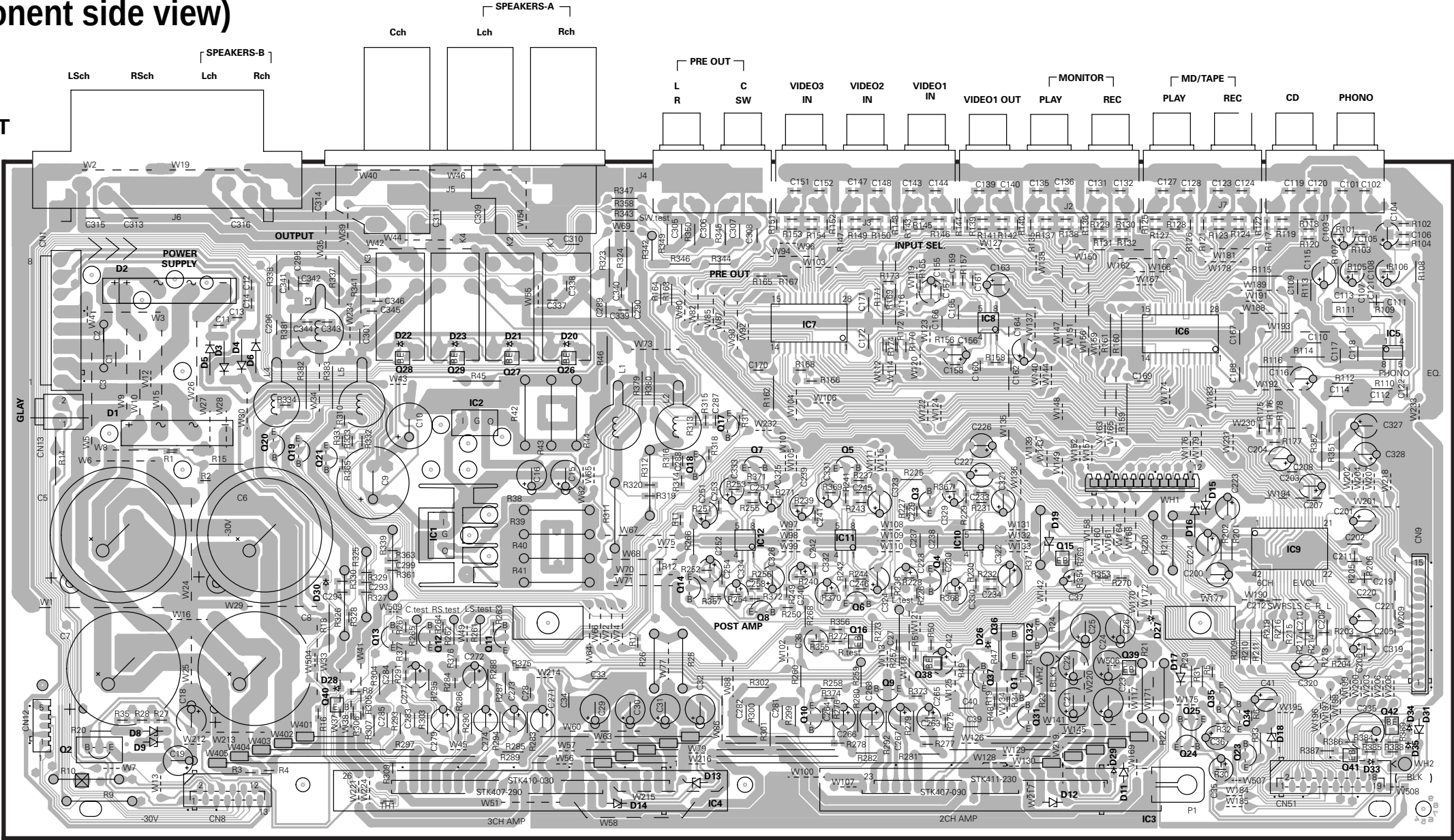
PC BOARD(Component side view)



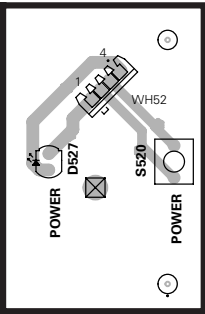
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(Component side view)

AUDIO UNIT

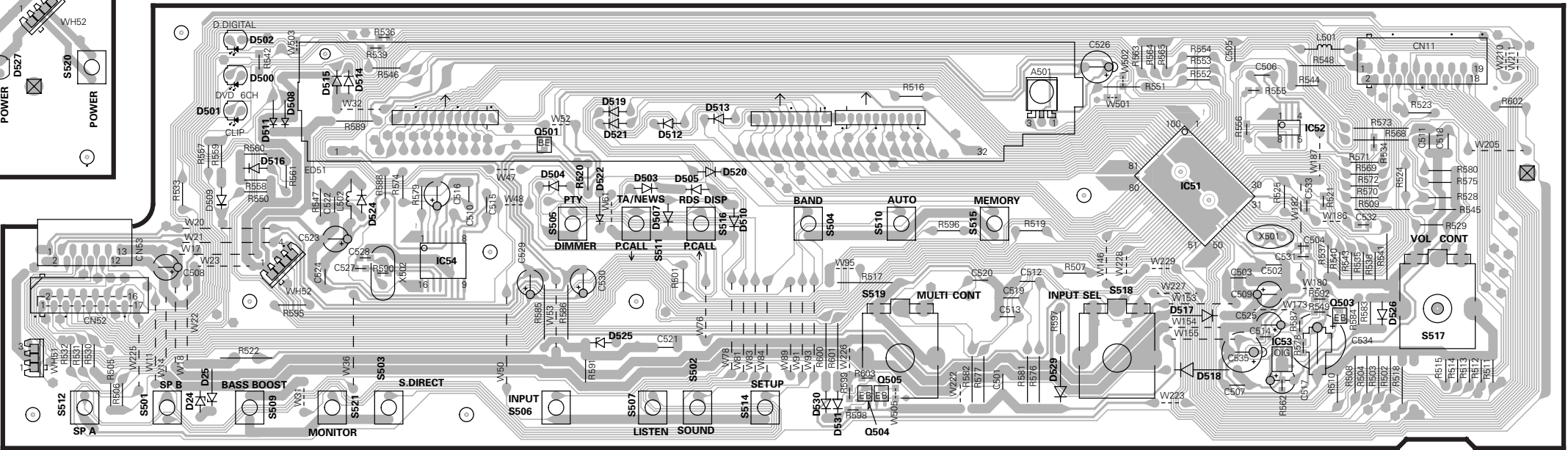


X09 C/3

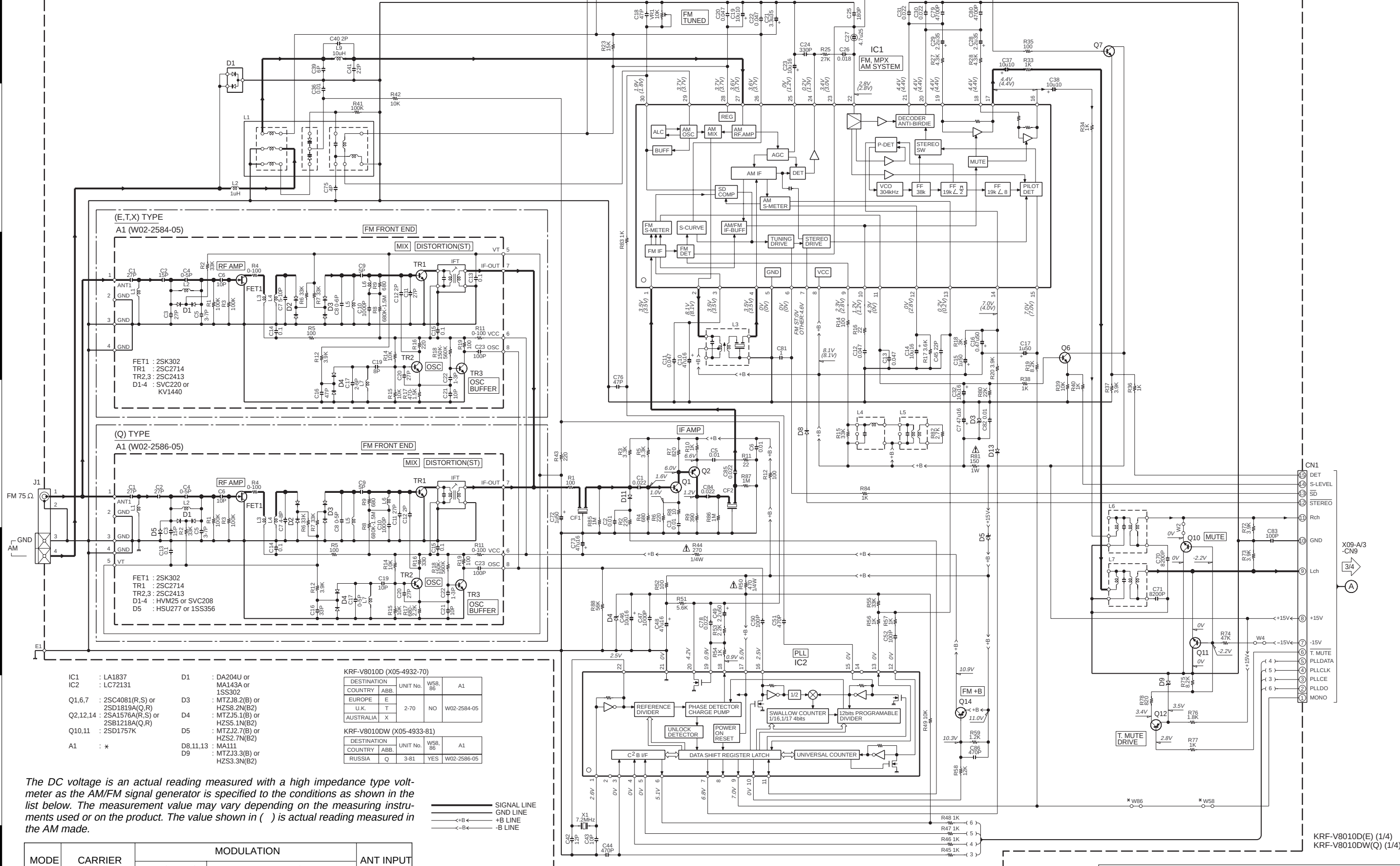


X09-6092-71 A/3

X09 B/3



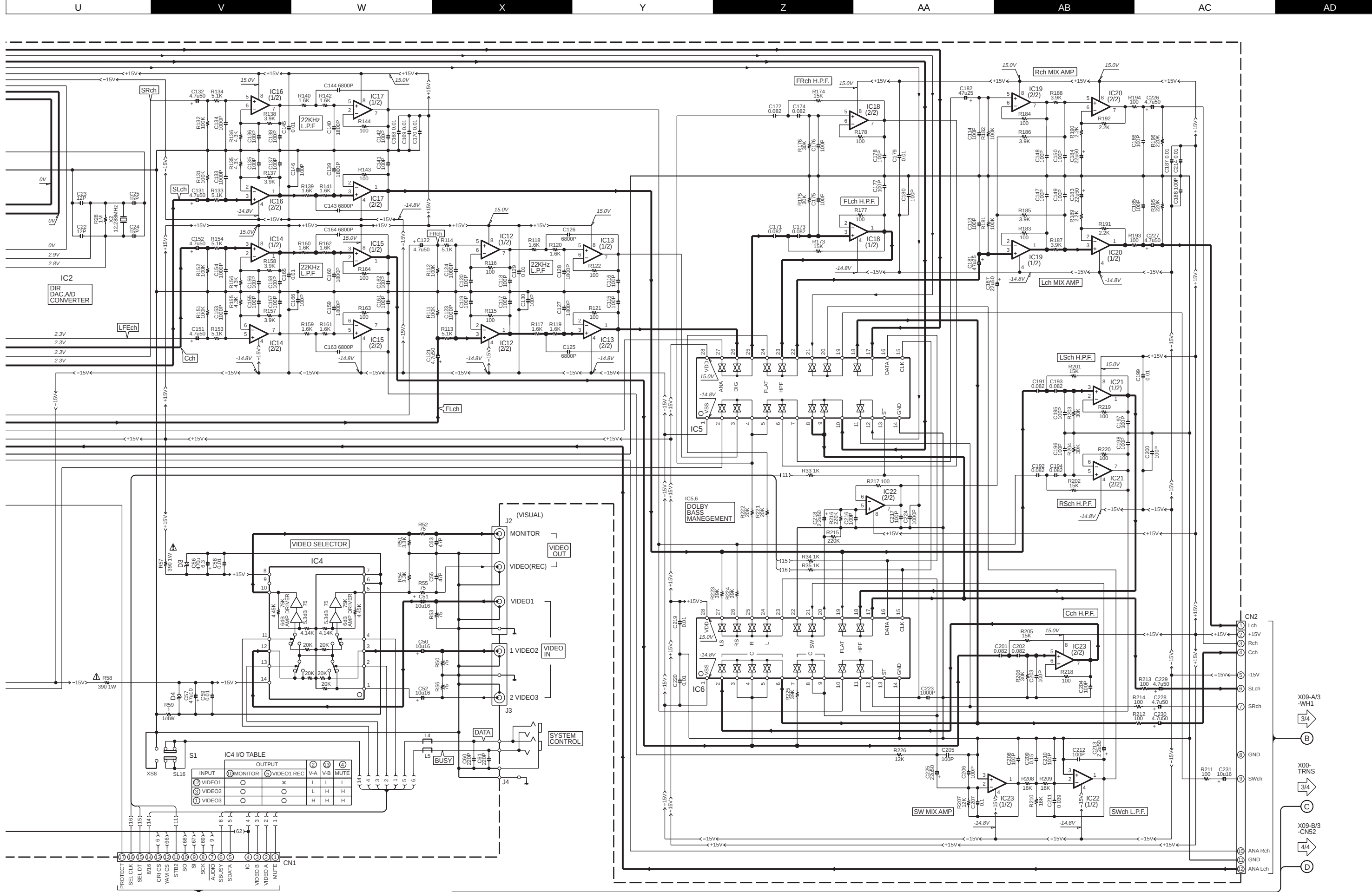
TUNER UNIT
(X05-482X-XX) 2-70: KRF-V8010D(E,T,X) 3-81: KRF-V8010DW(Q)



Y05-3822-70

KRF-V8010D/V8010DW

KENWOOD

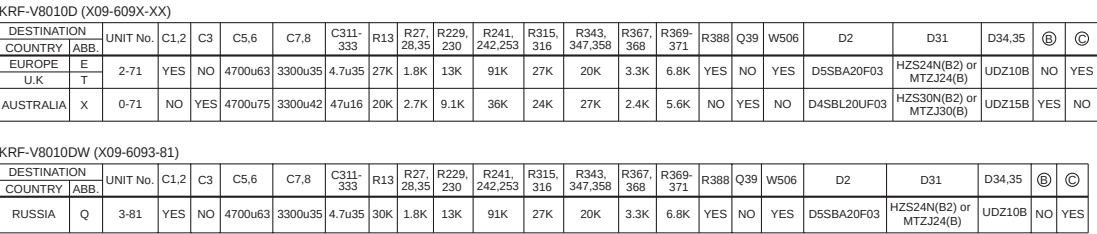


KRF-V8010D (2/4)
KRF-V8010DW (2/4)

Y05-3822-70

KRF-V8010D/V8010DW

KENWOOD

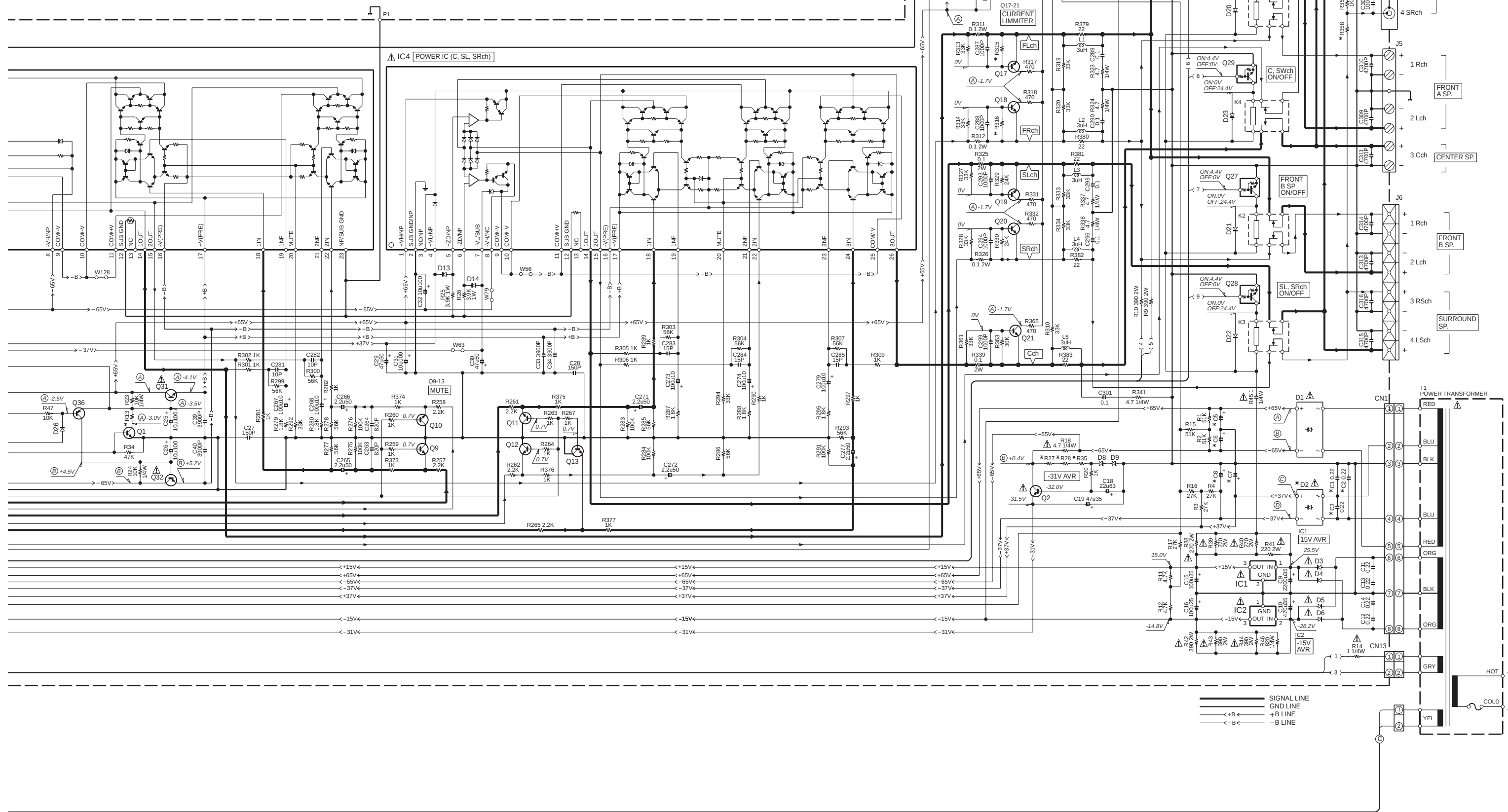


DC VOLTAGE FOR IC3 (STK411-230D)

PIN No.	1	2	3	4	5	6	7	8	9-11	12-15	16	17	18,19	20	21-23
E.T	54.9V	22.0V	22.5V	14.5V	-14.2V	-22.2V	-54.9V	-21.7V			-52.7V	53.2V		-51.5V	
Q	54.0V	0V	23.2V	23.7V	15.8V	-15.7V	-23.7V	-53.9V	-23.2V	0V	-51.6V	52.1V	0V	-50.2V	0V
X	64.0V	64.0V	35.5V	27.3V	-27.4V	-35.4V	-63.9V	-34.8V			-61.6V	62.1V		-60.4V	

DC VOLTAGE FOR IC4 (STK410-030D)

PIN No.	1	2	3	4	5	6	7	8	9-11	12-15	16	17	18,19	20	21-24	25	26
E.T	54.9V	21.9V	22.5V	14.4V	-14.5V	-22.5V	-54.9V	-22.0V			-52.6V	53.2V		-51.4V		-22.0V	
Q	54.0V	0V	23.2V	23.7V	15.8V	-15.7V	-23.7V	-53.9V	-23.2V	0V	-51.6V	52.1V	0V	-50.2V	0V	-23.2V	0V
X	64.0V	34.9V	35.5V	27.5V	-27.4V	-35.5V	-63.9V	-34.5V			-60.9V	61.4V		-59.7V		-34.9V	



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

The DC voltage is an actual reading measured with a high impedance type voltmeter with 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.

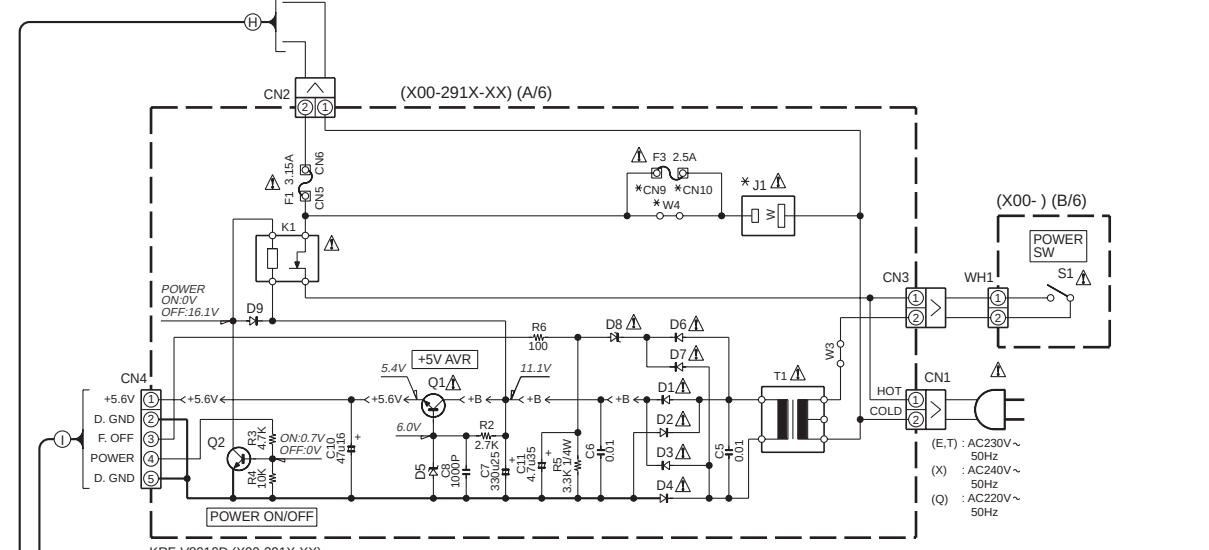
- 2SA1123
2SA992
2SC1845
2SC2003
2SC2631

2SC2878
2SC3940A

2SA1586
2SB1218A
2SC3722K
2SC4081

2SC4116
2SD1819A

2SA1535



KRF-V8010D (X00-291X-XX) (A/6)

DESTINATION	UNIT No.	CN9,10	W4	J1
COUNTRY	ABB.			
EUROPE	E	2-71	YES	NO
U.K.	T	0-51		
AUSTRALIA	X	0-71	NO	YES

- Q1 : 2SC3940A(R,S)
Q2 : 2SC2003(L,K)

D1-4 : 1SR139-400 or S5688B
D5 : MTZJ6.2(B) or HZS6.2N(B2)
D6,7,9 : 1SS133 or HSS104A
D8 : MTZJ6.2(B) or HZS2.7N(B2)

2SA1285A
2SC3245A

2SD1757K

KRF-V8010DW (X00-2912-71)

DESTINATION	UNIT No.	CN9,10	W4	J1
COUNTRY	ABB.			
RUSSIA	Q	2-71	YES	NO

- DTC123JUA

NJM4565M
NJM4565MD
NJM4580ED

TA7805SB

DA204U

TC9162AF
TC9163AF
TC9164AF
- TC74HCU04AF

NJM2279M

LC72131

S-80740AL-A4

X24C02S
- YSS248

LA1837

TC7W241FU

SAA6579T/R

M62446FP

X09-B/3
-CN53
4/4
E
X09-B/3
-CN11
4/4
F

KRF-V8010D(E) (3/4)
KRF-V8010DW(Q) (3/4)

Y05-3822-70



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①

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
KRF-V8010D/V8010DW						
601	1A	*	A01-3617-01	METALLIC CABINET	X1	
601	1A	*	A01-3619-01	METALLIC CABINET	ET1Q1	
602	1A	*	A09-0366-08	BATTERY COVER		
604	2A	*	A22-1816-01	SUB PANEL	ET1Q1	
605	2A	*	A60-1545-02	PANEL	ET1Q1	
605	2A	*	A60-1561-01	PANEL	X1	
606	1A	*	A70-1252-05	REMOTE CONTROL ASSY(RC-D0507)		
610	2A	*	B10-3428-12	FRONT GLASS		
611	2A	*	B11-0367-04	SMOKED FILTER		
612	2A	*	B12-0341-04	INDICATOR		
613	2A	*	B43-0302-04	KENWOOD BADGE		
614	2A	*	B11-0375-04	SMOKED FILTER		
-			B46-0096-53	WARRANTY CARD	X1	
-			B46-0310-03	WARRANTY CARD	ET1Q1	
-			B58-0945-03	CAUTION CARD	T1	
-			B58-0965-13	CAUTION CARD (PL)	T1X1	
-			B58-0966-13	CAUTION CARD (PL)	E	
-			B58-1526-03	CAUTION CARD (P4,ORI,A4,1(Q)	Q1	
-			B60-3617-00	INSTRUCTION MANUAL	T1Q1X1	
-			B60-3619-00	INSTRUCTION MANUAL	E	
-		*	B60-3627-00	INSTRUCTION MANUAL	Q1	
-			B60-4057-00	INSTRUCTION MANUAL(EN)	T1Q1X1	
-		*	B60-4058-00	INSTRUCTION MANUAL(EN,FR)	E	
-		*	B60-4059-00	INSTRUCTION MANUAL(IT,ES)	E	
-		*	B60-4060-00	INSTRUCTION MANUAL(GE)	E	
△ 616	1C		E30-2592-15	AC POWER CORD	EQ1	
△ 616	1C		E30-2717-05	AC POWER CORD	X1	
△ 616	1C		E30-2721-05	AC POWER CORD	T1	
617	2B, 2C		E35-2016-05	FLAT CABLE 19P		
618	2A, 1B		E35-2017-05	FLAT CABLE 15P		
619	2A, 1C		E35-2018-05	FLAT CABLE 15P		
△ F1			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)		
△ F3			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	EQ1	
-			H10-7492-02	POLYSTYRENE FOAMED FIXTURE		
-			H10-7493-02	POLYSTYRENE FOAMED FIXTURE		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)	EQ1X1	
-			H25-0391-04	PROTECTION BAG		
-			H25-0651-04	PROTECTION BAG	T1	
-		*	H50-3084-04	ITEM CARTON CASE	ET1X1	
-		*	H50-3148-04	ITEM CARTON CASE	Q1	
625	2B, 2C		J02-1168-03	FOOT		
626	1B, 2B		J19-3752-14	UNIT HOLDER		
628	1C		J19-5919-05	UNIT HOLDER		
△ 635	1C		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
640	2A		K27-2275-04	KNOB (BUTTON)		
641	2A		K29-7311-03	KNOB		
642	2A		K29-7312-04	KNOB		
643	2A		K29-7313-04	KNOB		
644	2A	*	K29-7371-02	KNOB	X1	

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△ 650	1B	*	L07-2584-05	POWER TRANSFORMER	ET1	
△ 650	1B	*	L07-2585-05	POWER TRANSFORMER	Q1	
△ 650	1B	*	L07-2586-05	POWER TRANSFORMER	X1	
655	1A		T90-0833-05	LOOP ANTENNA		
656	1A		T90-0836-05	LEAD WIRE ANTENNA		
POWER SUPPLY (X00-2912-71)						
C5, 6			CK45FF1H103Z	CERAMIC	0.010UF	Z
C7			CE04DW1E331M	ELECTRO	330UF	25WV
C8			CK45FB1H102K	CERAMIC	1000PF	K
C10			CE04KW1C470M	ELECTRO	47UF	16WV
C11			CE04KW1V4R7M	ELECTRO	4.7UF	35WV
C13, 14			CC45FSL1H101J	CERAMIC	100PF	J
CN1~3			E40-4245-05	PIN ASSY		
CN4			E40-8197-05	SOCKET FOR PIN ASSY		
CN12			E40-3247-05	PIN ASSY		
△ J1	1C		E03-0149-05	AC OUTLET		EQ1
△ J1	1C		E03-0310-05	AC OUTLET		T1
△ J1	1C		E03-0325-05	AC OUTLET		X1
△ J2	2B		E11-0127-05	PHONE JACK (3P)		
CN5, 6			J13-0075-05	FUSE CLIP		EQ1
CN9, 10			J13-0075-05	FUSE CLIP		
E1			J11-0808-05	WIRE CLAMPER		
△ T1			L07-2569-05	POWER TRANSFORMER		
△ K1			S76-0070-05	MAGNETIC RELAY		
△ S1	1A		S68-0100-05	PUSH SWITCH,POWER		
△ D1~4			S5688B	DIODE		
△ D1~4			1SR139-400	DIODE		
△ D5			HZS6.2N(B2)	ZENER DIODE		
△ D5			MTZJ6.2(B)	ZENER DIODE		
△ D6, 7			HSS104A	DIODE		
△ D6, 7			1SS133	DIODE		
△ D8			HZS2.7N(B2)	ZENER DIODE		
△ D8			MTZJ2.7(B)	ZENER DIODE		
△ D9			HSS104A	DIODE		
△ D9			1SS133	DIODE		
△ Q1			2SC3940A(R,S)	TRANSISTOR		
△ Q2			2SC2003(L,K)	TRANSISTOR		
TUNER (X05-4932-70)						
C1			CK73FB1H223K	CHIP C	0.022UF	K
C2, 3			CK73FB1H103K	CHIP C	0.010UF	K
C5, 6			CK73FB1H103K	CHIP C	0.010UF	K
C7			CE04LW1C470M	ELECTRO	47UF	16WV
C10			CE04LW1C470M	ELECTRO	47UF	16WV
C11~13			CK73FB1H473K	CHIP C	0.047UF	K
C14			CE04LW1C100M	ELECTRO	10UF	16WV
C15			CE04LW1H010M	ELECTRO	1.0UF	50WV
C16			C90-3251-05	ELECTRO	0.47UF	50WV
C17			C90-3253-05	ELECTRO	1.0UF	50WV
C18			CC73FCH1H470J	CHIP C	47PF	J
C19			C90-3217-05	ELECTRO	10UF	10WV
C20			CK73FB1H473K	CHIP C	0.047UF	K

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PARTS LIST

KRF-V8010D/V8010DW

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③

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C21			C90-3241-05	ELECTRO 3.3UF 35WV		
C22			CK73FB1H473K	CHIP C 0.047UF K		
C23			CE04LW1C100M	ELECTRO 10UF 16WV		
C24			CK73FB1H331K	CHIP C 330PF K		
C25			CC73FCH1H181J	CHIP C 180PF J		
C26			CK73FB1H183K	CHIP C 0.018UF K		
C27			CE04HW1E4R7M	NP-ELEC 4.7UF 25WV		
C28, 29			C90-3240-05	ELECTRO 2.2UF 35WV		
C30, 31			CK73FB1H223K	CHIP C 0.022UF K		
C32			CE04LW1C100M	ELECTRO 10UF 16WV		
C36			CK73FB1H103K	CHIP C 0.010UF K		
C37, 38			C90-3217-05	ELECTRO 10UF 10WV		
C39			CC73FCH1H060D	CHIP C 6.0PF D		
C40			CC73FCH1H020C	CHIP C 2.0PF C		
C41			CC73FCH1H220J	CHIP C 22PF J		
C42			CC73FCH1H120J	CHIP C 12PF J		
C43			CC73FCH1H100D	CHIP C 10PF D		
C44			CK73FB1H471K	CHIP C 470PF K		
C45			CC73FCH1H220J	CHIP C 22PF J		
C46			CE04LW1C100M	ELECTRO 10UF 16WV		
C47			CK73FB1H102K	CHIP C 1000PF K		
C48			CE04LW1C470M	ELECTRO 47UF 16WV		
C49			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C50			CC73FSL1H101J	CHIP C 100PF J		
C51			CK73FB1H471K	CHIP C 470PF K		
C52			CC73FSL1H101J	CHIP C 100PF J		
C70, 71			CK73FB1H822K	CHIP C 8200PF K		
C72			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C73			CE04LW1C470M	ELECTRO 47UF 16WV		
C75			CC73FCH1H040C	CHIP C 4.0PF C		
C76			CC73FCH1H470J	CHIP C 47PF J		
C78			CK73FB1H223K	CHIP C 0.022UF K		
C79, 80			CK73FB1H472K	CHIP C 4700PF K		
C81			CK73FF1C105Z	CHIP C 1.0UF Z		
C82			CK73FB1H103K	CHIP C 0.010UF K		
C83			CC73FSL1H101J	CHIP C 100PF J		
C84, 85			CK73FB1H223K	CHIP C 0.022UF K		
C86			CK73FB1H471K	CHIP C 470PF K		
CN1			E40-9831-05	SOCKET FOR PIN ASSY		
CN2			E40-4871-05	PIN ASSY		
J1	2C		E20-0321-05	LOCK TERMINAL BOARD(2P,F)		
J1	2C		E70-0052-05	LOCK TERMINAL BOARD		
CF1, 2			L72-0536-05	CERAMIC FILTER		
L1			L39-1366-05	COMBINATION COIL		
L2			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L3			L30-0911-05	AM IFT		
L4			L30-0950-05	FM IFT		
L5			L30-0951-05	FM IFT		
L6, 7			L79-1239-05	LC FILTER		
L9			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
X1			L77-2232-05	CRYSTAL RESONATOR		
R1			RK73FB2A101J	CHIP R 100 J 1/10W		
R3			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R4			RK73FB2A681J	CHIP R 680 J 1/10W		

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④

Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R5			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R6			RK73FB2A221J	CHIP R 220 J 1/10W		
R7			RK73FB2A821J	CHIP R 820 J 1/10W		
R8			RK73FB2A100J	CHIP R 10 J 1/10W		
R9			RK73FB2A391J	CHIP R 390 J 1/10W		
R10			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R11			RK73FB2A220J	CHIP R 22 J 1/10W		
R12			RK73FB2A101J	CHIP R 100 J 1/10W		
R14			RK73FB2A101J	CHIP R 100 J 1/10W		
R15			RK73FB2A333J	CHIP R 33K J 1/10W		
R16			RK73FB2A220J	CHIP R 22 J 1/10W		
R17			RK73FB2A362J	CHIP R 3.6K J 1/10W		
R18			RK73FB2A302J	CHIP R 3.0K J 1/10W		
R19			RK73FB2A622J	CHIP R 8.2K J 1/10W		
R20			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R23			RK73FB2A153J	CHIP R 15K J 1/10W		
R25			RK73FB2A273J	CHIP R 27K J 1/10W		
R27, 28			RK73FB2A432J	CHIP R 4.3K J 1/10W		
R33, 34			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R35			RK73FB2A101J	CHIP R 100 J 1/10W		
R36			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R37			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R38			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R39			RK73FB2A103J	CHIP R 10K J 1/10W		
R42			RK73FB2A103J	CHIP R 10K J 1/10W		
R43			RK73FB2A221J	CHIP R 220 J 1/10W		
R44	⚠		RD14NB2E271J	RD 270 J 1/4W		
R45			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R46			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R47			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R48			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R49			RK73FB2A103J	CHIP R 10K J 1/10W		
R50	⚠		RD14NB2E471J	RD 470 J 1/4W		
R51			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R52			RK73FB2A101J	CHIP R 100 J 1/10W		
R53			RK73FB2A222J	CHIP R 2.2K J 1/10W		
R54			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R55			RK73FB2A333J	CHIP R 33K J 1/10W		
R56, 57			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R58			RK73FB2A123J	CHIP R 12K J 1/10W		
R59			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R72, 73			RK73FB2A392J	CHIP R 3.9K J 1/10W		
R74			RK73FB2A473J	CHIP R 47K J 1/10W		
R75			RK73FB2A822J	CHIP R 8.2K J 1/10W		
R76			RK73FB2A182J	CHIP R 1.8K J 1/10W		
R78			RK73FB2A821J	CHIP R 820 J 1/10W		
R80			RK73FB2A223J	CHIP R 22K J 1/10W		
R81			RS14KB3A151J	FL-PROOF RS 150 J 1W		
R82			RK73FB2A272J	CHIP R 2.7K J 1/10W		
R83			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R84			RK73EB2B102J	CHIP R 1.0K J 1/8W		
R85~87			RK73FB2A105J	CHIP R 1.0M J 1/10W		
R88			RK73FB2A563J	CHIP R 56K J 1/10W		
VR1			R32-0037-05	SEMI FIXED VARIABLE RESISTOR		
W51, 52			R92-0670-05	CHIP R 0 OHM		

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W54, 55 W57 W57-60 W59, 60 W80			R92-0670-05 R92-0670-05 R92-0670-05 R92-0670-05 R92-0679-05	CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM	ET1X1 Q1 ET1X1	
W84-86 W84, 85			R92-0679-05 R92-0679-05	CHIP R 0 OHM CHIP R 0 OHM	Q1 ET1X1	
D1 D1 D1 D3 D3			DA204U MA143A 1SS302 HZS8.2N(B2) MTZJ8.2(B)	DIODE DIODE DIODE ZENER DIODE ZENER DIODE		
D4 D4 D5 D5 D8			HZS5.1N(B2) MTZJ5.1(B) HZS2.7N(B2) MTZJ2.7(B) MA111	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE DIODE		
D9 D9 D11 D13 IC1			HZS3.3N(B2) MTZJ3.3(B) MA111 MA111 LA1837	ZENER DIODE ZENER DIODE DIODE DIODE ANALOGUE IC		
IC2 Q1 Q1 Q2 Q2			LC72131 2SC4081(R,S) 2SD1819A(Q,R) 2SA1576A(R,S) 2SB1218A(Q,R)	MOS-IC TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q6, 7 Q6, 7 Q10, 11 Q12 Q12			2SC4081(R,S) 2SD1819A(Q,R) 2SD1757K 2SA1576A(R,S) 2SB1218A(Q,R)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q14 Q14			2SA1576A(R,S) 2SB1218A(Q,R)	TRANSISTOR TRANSISTOR		
A1 A1			W02-2584-05 W02-2586-05	FM FRONT-END ASSY FM FRONT-END ASSY	ET1X1 Q1	
SURROUND (X08-2952-70)						
C1-4 C5, 6 C7-9 C10 C11, 12			CK73FB1H103K CC73FSL1H102J CK73FB1H103K CC73FSL1H331J CC73FCH1H150J	CHIP C 0.010UF K CHIP C 1000PF J CHIP C 0.010UF K CHIP C 330PF J CHIP C 15PF J		
C13, 14 C15 C16 C17 C18			CC73FCH1H180J CK73FB1H103K CK73FB1E104K CK73FB1H103K CC73FSL1H102J	CHIP C 18PF J CHIP C 0.010UF K CHIP C 0.10UF K CHIP C 0.010UF K CHIP C 1000PF J		
C19 C20 C21 C22, 23 C24, 25			CK73FB1H103K CE04KW1H4R7M CC73FCH1H330J CC73FCH1H120J CC73FCH1H150J	CHIP C 0.010UF K ELECTRO 4.7UF 50WV CHIP C 33PF J CHIP C 12PF J CHIP C 15PF J		
C26			CE04KW1E470M	ELECTRO 47UF 25WV		

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C27 C28 C29 C30 C31, 32			CK73FB1E104K CC73FSL1H470J CC73FCH1H220J CK73FB1H103K CK73FB1E104K	CHIP C 0.10UF K CHIP C 47PF J CHIP C 22PF J CHIP C 0.010UF K CHIP C 0.10UF K		
C33, 34 C35 C36 C37 C38			CC73FCH1H220J CC73FSL1H102J CK73FB1H822K CK73FB1H103K CE04KW1H2R2M	CHIP C 22PF J CHIP C 1000PF J CHIP C 8200PF K CHIP C 0.010UF K ELECTRO 2.2UF 50WV		
C39 C50-52 C55 C56 C57			CK73FB1E104K CE04KW1C100M CC73FSL1H470J CE04KW0J471M CE04KW1A470M	CHIP C 0.10UF K ELECTRO 10UF 16WV CHIP C 47PF J ELECTRO 470UF 6.3WV ELECTRO 47UF 10WV		
C58, 59 C60, 61 C63 C70 C72, 73			CK73FB1H103K CC73FSL1H221J CC73FSL1H470J CE04KW1C102M CK73FF1C224Z	CHIP C 0.010UF K CHIP C 220PF J CHIP C 47PF J ELECTRO 1000UF 16WV CHIP C 0.22UF Z		
C77, 78 C81 C83 C86, 87 C91			CK73FB1E104K CE04KW1C101M CE04KW1A101M CK73FB1E104K CE04KW1C101M	CHIP C 0.10UF K ELECTRO 100UF 16WV ELECTRO 100UF 10WV CHIP C 0.10UF K ELECTRO 100UF 16WV		
C92 C93-95 C96 C97 C101, 102			CE04KW1A101M CK73FB1E104K CE04KW1C101M CE04KW1A101M CC73FCH1H220J	ELECTRO 100UF 10WV CHIP C 0.10UF K ELECTRO 100UF 16WV ELECTRO 100UF 10WV CHIP C 22PF J		
C103-106 C107, 108 C109 C110 C111, 112			CC73FSL1H101J CC73FSL1H681J CK73FB1H103K CC73FSL1H101J CE04KW1H100M	CHIP C 100PF J CHIP C 680PF J CHIP C 0.010UF K CHIP C 100PF J ELECTRO 10UF 50WV		
C113-120 C121, 122 C123, 124 C125, 126 C127, 128			CC73FSL1H101J CE04KW1H4R7M CC73FSL1H102J CK73FB1H682K CK73FB1H182K	CHIP C 100PF J ELECTRO 4.7UF 50WV CHIP C 1000PF J CHIP C 6800PF K CHIP C 1800PF K		
C129 C130 C131, 132 C133, 134 C135-138			CK73FB1H103K CC73FSL1H101J CE04KW1H4R7M CC73FSL1H102J CC73FSL1H101J	CHIP C 0.010UF K CHIP C 100PF J ELECTRO 4.7UF 50WV CHIP C 1000PF J CHIP C 100PF J		
C139, 140 C141, 142 C143, 144 C145 C146-150			CK73FB1H182K CC73FSL1H101J CK73FB1H682K CK73FB1H103K CC73FSL1H101J	CHIP C 1800PF K CHIP C 100PF J CHIP C 6800PF K CHIP C 0.010UF K CHIP C 100PF J		
C151, 152 C153, 154 C155-158 C159, 160 C161, 162			CE04KW1H4R7M CC73FSL1H102J CC73FSL1H101J CK73FB1H182K CC73FSL1H101J	ELECTRO 4.7UF 50WV CHIP C 1000PF J CHIP C 100PF J CHIP C 1800PF K CHIP C 100PF J		

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C163, 164 C165 C166 C167 C168-170			CK73FB1H682K CK73FB1H103K CC73FSL1H101J CE04KW1H220M CK73FB1H103K	CHIP C 6800PF K CHIP C 0.010UF K CHIP C 100PF J ELECTRO 22UF 50WV CHIP C 0.010UF K		
C171-174 C175-178 C179 C180 C181, 182			CQ93FMG1H823J CC73FSL1H101J CK73FB1H103K CC73FSL1H101J CE04KW1E470M	MYLAR 0.082UF J CHIP C 100PF J CHIP C 0.010UF K CHIP C 100PF J ELECTRO 47UF 25WV		
C183, 184 C185, 186 C187 C188 C191-194			CE04KW1H220M CC73FSL1H101J CK73FB1H103K CC73FSL1H101J CQ93FMG1H823J	ELECTRO 22UF 50WV CHIP C 100PF J CHIP C 0.010UF K CHIP C 100PF J MYLAR 0.082UF J		
C195-198 C199 C200 C201, 202 C203-206			CC73FSL1H101J CK73FB1H103K CC73FSL1H101J CQ93FMG1H823J CC73FSL1H101J	CHIP C 100PF J CHIP C 0.010UF K CHIP C 100PF J MYLAR 0.082UF J CHIP C 100PF J		
C207 C208 C209 C210 C211			CQ93FMG1H104J CC73FSL1H101J CQ93FMG1H154J CC73FSL1H101J CQ93FMG1H393J	MYLAR 0.10UF J CHIP C 100PF J MYLAR 0.15UF J CHIP C 100PF J MYLAR 0.039UF J		
C212 C213 C214 C216, 217 C218			CC73FSL1H101J CE04KW1H2R2M CK73FB1H103K CC73FSL1H101J CE04KW1H2R2M	CHIP C 100PF J ELECTRO 2.2UF 50WV CHIP C 0.010UF K CHIP C 100PF J ELECTRO 2.2UF 50WV		
C219, 220 C223, 224 C225 C226-230 C231			CK73FB1H103K CC73FSL1H102J CE04KW1H220M CE04KW1H4R7M CE04KW1C100M	CHIP C 0.010UF K CHIP C 1000PF J ELECTRO 22UF 50WV ELECTRO 4.7UF 50WV ELECTRO 10UF 16WV		
C300 C301, 302 C303, 304 C305-308 C311, 312			CK73FB1E104K CC73FSL1H221J CE04KW1H4R7M CC73FSL1H101J CC73FSL1H221J	CHIP C 0.10UF K CHIP C 220PF J ELECTRO 4.7UF 50WV CHIP C 100PF J CHIP C 220PF J		
C313, 314 C315-318 C320 C322			CE04KW1H4R7M CC73FSL1H101J CK73FB1H103K CC73FSL1H101J	ELECTRO 4.7UF 50WV CHIP C 100PF J CHIP C 0.010UF K CHIP C 100PF J		
CN1 CN2 CN3 J1 J2 J3 J4 J5 E1	1C 1C 1C 1C		E40-8253-05 E40-3256-05 E40-4248-05 E63-0199-05 E63-0094-05 E63-0093-05 E11-0293-05 E63-0114-05 J11-0808-05	FLAT CABLE CONNECTOR PIN ASSY PIN ASSY PHONO JACK PHONO JACK PHONO JACK MINIATURE PHONE JACK(2P) PHONO JACK WIRE CLAMPER		

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L1 L2 L3 L4, 5 X1			L92-0044-05 L79-1216-05 L92-0044-05 L79-1216-05 L77-2220-05	FERRITE CORE LINE FILTER FERRITE CORE LINE FILTER CRYSTAL RESONATOR(10MHZ)		
X2			L77-2221-05	CRYSTAL RESONATOR(12.288MHZ)		
R1 R2 R3 R4 R5-15			RK73FB2A105J RK73FB2A821J RK73FB2A201J RK73FB2A183J RK73FB2A221J	CHIP R 1.0M J 1/10W CHIP R 820 J 1/10W CHIP R 200 J 1/10W CHIP R 18K J 1/10W CHIP R 220 J 1/10W		
R16 R17, 18 R19 R20 R21			RK73FB2A104J RK73FB2A102J RK73FB2A221J RK73FB2A104J RK73FB2A221J	CHIP R 100K J 1/10W CHIP R 1.0K J 1/10W CHIP R 220 J 1/10W CHIP R 100K J 1/10W CHIP R 220 J 1/10W		
R22 R23, 24 R25-27 R28 R29			RK73FB2A102J RK73FB2A221J RK73FB2A222J RK73FB2A105J RK73FB2A750J	CHIP R 1.0K J 1/10W CHIP R 220 J 1/10W CHIP R 2.2K J 1/10W CHIP R 1.0M J 1/10W CHIP R 75 J 1/10W		
R30 R31 R32 R33-36 R37			RK73FB2A472J RK73FB2A473J RK73FB2A472J RK73FB2A102J RK73FB2A473J	CHIP R 4.7K J 1/10W CHIP R 47K J 1/10W CHIP R 4.7K J 1/10W CHIP R 1.0K J 1/10W CHIP R 47K J 1/10W		
R50 R51 R52, 53 R54 R55, 56			RK73FB2A750J RK73FB2A332J RK73FB2A750J RK73FB2A332J RK73FB2A750J	CHIP R 75 J 1/10W CHIP R 3.3K J 1/10W CHIP R 75 J 1/10W CHIP R 3.3K J 1/10W CHIP R 75 J 1/10W		
⚠ R57, 58 R59 R61 R62, 63 R64			RS14KB3A391J RD14NB2E1R0J RD14NB2E2R2J RD14NB2E100J RD14NB2E1R0J	FL-PROOF RS 390 J 1W RD 1 J 1/4W RD 2.2 J 1/4W RD 10 J 1/4W RD 1 J 1/4W		
⚠ R66 R67 R68 R69 R70			RD14NB2E2R2J RD14NB2E1R0J RD14NB2E2R2J RK73FB2A203J RK73FB2A101J	RD 2.2 J 1/4W RD 1 J 1/4W RD 2.2 J 1/4W CHIP R 20K J 1/10W CHIP R 100 J 1/10W		
R71 R72 R101-104 R105, 106 R107, 108			RK73FB2A473J RK73FB2A472J RK73FB2A203J RK73FB2A101J RK73FB2A102J	CHIP R 47K J 1/10W CHIP R 4.7K J 1/10W CHIP R 20K J 1/10W CHIP R 100 J 1/10W CHIP R 1.0K J 1/10W		
R111, 112 R113, 114 R115, 116 R117-120 R121, 122			RK73FB2A104J RK73FB2A512J RK73FB2A101J RK73FB2A162J RK73FB2A101J	CHIP R 100K J 1/10W CHIP R 5.1K J 1/10W CHIP R 100 J 1/10W CHIP R 1.6K J 1/10W CHIP R 100 J 1/10W		
R131, 132 R133, 134 R135, 136			RK73FB2A104J RK73FB2A512J RK73FB2A432J	CHIP R 100K J 1/10W CHIP R 5.1K J 1/10W CHIP R 4.3K J 1/10W		

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R137, 138 R139~142 R143, 144 R151, 152 R153, 154			RK73FB2A392J RK73FB2A162J RK73FB2A101J RK73FB2A104J RK73FB2A512J	CHIP R 3.9K J 1/10W CHIP R 1.6K J 1/10W CHIP R 100 J 1/10W CHIP R 100K J 1/10W CHIP R 5.1K J 1/10W		
R155, 156 R157, 158 R159~162 R163, 164 R173, 174			RK73FB2A432J RK73FB2A392J RK73FB2A162J RK73FB2A101J RK73FB2A153J	CHIP R 4.3K J 1/10W CHIP R 3.9K J 1/10W CHIP R 1.6K J 1/10W CHIP R 100 J 1/10W CHIP R 15K J 1/10W		
R175, 176 R177, 178 R181, 182 R183, 184 R185~188			RK73FB2A303J RK73FB2A101J RK73FB2A104J RK73FB2A101J RK73FB2A392J	CHIP R 30K J 1/10W CHIP R 100 J 1/10W CHIP R 100K J 1/10W CHIP R 100 J 1/10W CHIP R 3.9K J 1/10W		
R189~192 R193, 194 R195, 196 R201, 202 R203, 204			RK73FB2A222J RK73FB2A101J RK73FB2A224J RK73FB2A153J RK73FB2A303J	CHIP R 2.2K J 1/10W CHIP R 100 J 1/10W CHIP R 220K J 1/10W CHIP R 15K J 1/10W CHIP R 30K J 1/10W		
R205 R206 R207 R208~210 R211~214			RK73FB2A153J RK73FB2A303J RK73FB2A123J RK73FB2A163J RK73FB2A101J	CHIP R 15K J 1/10W CHIP R 30K J 1/10W CHIP R 12K J 1/10W CHIP R 16K J 1/10W CHIP R 100 J 1/10W		
R215, 216 R217~220 R221, 222 R223~225 R226			RK73FB2A224J RK73FB2A101J RK73FB2A203J RK73FB2A393J RK73FB2A123J	CHIP R 220K J 1/10W CHIP R 100 J 1/10W CHIP R 20K J 1/10W CHIP R 39K J 1/10W CHIP R 12K J 1/10W		
R301, 302 R303~306 R307, 308 R311, 312 R313~316			RK73FB2A102J RK73FB2A224J RK73FB2A101J RK73FB2A102J RK73FB2A224J	CHIP R 1.0K J 1/10W CHIP R 220K J 1/10W CHIP R 100 J 1/10W CHIP R 1.0K J 1/10W CHIP R 220K J 1/10W		
R317 R318 R320			RK73FB2A101J RK73FB2A103J RK73FB2A103J	CHIP R 100 J 1/10W CHIP R 10K J 1/10W CHIP R 10K J 1/10W		
S1	1C		S62-0034-05	SLIDE SWITCH		
D1, 2 D1, 2 D3, 4 D5 D7~9			DA204U 1SS302 UDZ5.1B D2SBA20F03 UDZ6.2B	DIODE DIODE ZENER DIODE DIODE ZENER DIODE		
IC1 IC2 IC3 IC4 IC5			YSS248 CS4226KQG TC74HCU04AF NJM2279M TC9162AF	MOS-IC MOS-IC IC(HEX INVERTER SMD) ANALOGUE IC MOS-IC		
IC6 IC8~10 IC11~23 IC24 IC31, 32			TC9164AF TA7805SB NJM4565M TC7W241FU NJM4565M	MOS-IC ANALOGUE IC IC(OP AMP X2) MOS-IC IC(OP AMP X2)		

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Q1 Q1 Q2 Q2			2SC4081(R,S) 2SC4116(Y,GR) 2SA1576A(R,S) 2SA1586(Y,GR)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
A1			W02-1181-05	OPTIC RECEIVING MODULE		
AUDIO (X09-6092-71)						
D500-502 D527			B30-2513-05 B30-2513-05	LED(RED) LED(RED)		
C1, 2 C3 C5, 6 C5, 6 C7, 8			CQ93FMG1H224J C91-1480-05 C90-3760-05 C90-3762-05 C90-3763-05	MYLAR 0.22UF J MP 0.22UF 250WV ELECTRO 4700UF 75WV ELECTRO 4700UF 63WV ELECTRO 3300UF 35WV	ET1Q1 X1 X1 ET1Q1 ET1Q1	
C7, 8 C9 C10 C11-14 C15, 16			C90-3776-05 CE04KW1V222M CE04KW1V471M CK73FF1C224Z CE04KW1E101M	ELECTRO 3300UF 42WV ELECTRO 2200UF 35WV ELECTRO 470UF 35WV CHIP C 0.22UF Z ELECTRO 100UF 25WV	X1	
C18 C19 C21, 22 C23-26 C27, 28			CE04KW1J220M CE04KW1V470M CE04KW1H470M CE04KW2A100M CC73FSL1H151J	ELECTRO 22UF 63WV ELECTRO 47UF 35WV ELECTRO 47UF 50WV ELECTRO 10UF 100WV CHIP C 150PF J		
C29, 30 C31, 32 C33, 34 C35 C36			CE04KW1H470M CE04KW2A100M CK45FB2H392K CE04KW0J221M CE04KW1V4R7M	ELECTRO 47UF 50WV ELECTRO 10UF 100WV CERAMIC 3900PF K ELECTRO 220UF 6.3WV ELECTRO 4.7UF 35WV		
C37 C38 C39, 40 C41 C42			CE04KW1H010M CE04HW1E100M CK45FB2H392K CE04KW1A101M CE04KW1C330M	ELECTRO 1.0UF 50WV NP-ELEC 10UF 25WV CERAMIC 3900PF K ELECTRO 100UF 10WV ELECTRO 33UF 16WV		
C101, 102 C103, 104 C105, 106 C107, 108 C109, 110			CC73FSL1H390J CE04KW1H100M CC73FSL1H221J CE04KW1A470M CC45FSL1H101J	CHIP C 39PF J ELECTRO 10UF 50WV CHIP C 220PF J ELECTRO 47UF 10WV CERAMIC 100PF J		
C111, 112 C113, 114 C115, 116 C117 C118			CQ93FMG1H123J CK45FB1H332K CE04KW1V4R7M CC45FSL1H101J CK45FF1H103Z	MYLAR 0.012UF J CERAMIC 3300PF K ELECTRO 4.7UF 35WV CERAMIC 100PF J CERAMIC 0.010UF Z		
C119, 120 C121, 122 C123, 124 C127, 128 C131, 132			CC73FSL1H221J CC73FSL1H151J CC73FSL1H221J CC73FSL1H221J CC73FSL1H221J	CHIP C 220PF J CHIP C 150PF J CHIP C 220PF J CHIP C 220PF J CHIP C 220PF J		
C135, 136 C139, 140 C143, 144 C147, 148 C151, 152			CC73FSL1H221J CC73FSL1H221J CC73FSL1H221J CC73FSL1H221J CC73FSL1H221J	CHIP C 220PF J CHIP C 220PF J CHIP C 220PF J CHIP C 220PF J CHIP C 220PF J		

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C155, 156 C157~162 C163, 164 C165 C166~168			CE04KW1H2R2M CC73FSL1H101J CE04KW1C220M CC45FSL1H101J CK45FF1H103Z	ELECTRO 2.2UF 50WV CHIP C 100PF J ELECTRO 22UF 16WV CERAMIC 100PF J CERAMIC 0.010UF Z		
C169, 170 C171, 172 C200 C201 C202			CC73FSL1H221J CK45FF1H103Z CE04KW1H010M CE04KW1HR33M CQ93FMG1H153J	CHIP C 220PF J CERAMIC 0.010UF Z ELECTRO 1.0UF 50WV ELECTRO 0.33UF 50WV MYLAR 0.015UF J		
C203, 204 C205, 206 C207~210 C211 C212			CE04KW1V4R7M CK73FB1H222K CC73FSL1H101J CQ93FMG1H822J CC73FSL1H221J	ELECTRO 4.7UF 35WV CHIP C 2200PF K CHIP C 100PF J MYLAR 8200PF J CHIP C 220PF J		
C219 C220 C221 C223, 224 C226~228			CQ93FMG1H822J CQ93FMG1H153J CE04KW1HR33M CE04KW1C100M CE04KW1V4R7M	MYLAR 8200PF J MYLAR 0.015UF J ELECTRO 0.33UF 50WV ELECTRO 10UF 16WV ELECTRO 4.7UF 35WV		
C229, 230 C233, 234 C237 C238 C239, 240			CC73FSL1H471J CC73FSL1H101J CC45FSL1H101J CK45FF1H103Z CE04KW1V4R7M	CHIP C 470PF J CHIP C 100PF J CERAMIC 100PF J CERAMIC 0.010UF Z ELECTRO 4.7UF 35WV		
C241, 242 C245, 246 C251, 252 C253, 254 C257, 258			CC73FSL1H471J CC73FSL1H101J CE04KW1V4R7M CC73FSL1H471J CC73FSL1H101J	CHIP C 470PF J CHIP C 100PF J ELECTRO 4.7UF 35WV CHIP C 470PF J CHIP C 100PF J		
C263, 264 C265, 266 C267, 268 C271, 272 C273, 274			CC73FSL1H821J CE04KW1H2R2M CE04KW1A101M CE04KW1H2R2M CE04KW1A101M	CHIP C 820PF J ELECTRO 2.2UF 50WV ELECTRO 100UF 10WV ELECTRO 2.2UF 50WV ELECTRO 100UF 10WV		
C277 C279 C281, 282 C283~285 C287, 288			CE04KW1H2R2M CE04KW1A101M CC45FCH1H100D CC45FCH1H150J CK73FB1H102K	ELECTRO 2.2UF 50WV ELECTRO 100UF 10WV CERAMIC 10PF D CERAMIC 15PF J CHIP C 1000PF K		
C289, 290 C293, 294 C295, 296 C299 C301			CQ93FMG1H104J CK73FB1H102K CQ93FMG1H104J CK73FB1H102K CQ93FMG1H104J	MYLAR 0.10UF J CHIP C 1000PF K MYLAR 0.10UF J CHIP C 1000PF K MYLAR 0.10UF J		
C305~308 C309~311 C313~316 C319, 320 C321~325			CC45FSL1H101J CK45FF1H472Z CK45FF1H472Z CE04KW1H3R3M CE04KW1H010M	CERAMIC 100PF J CERAMIC 4700PF Z CERAMIC 4700PF Z ELECTRO 3.3UF 50WV ELECTRO 1.0UF 50WV		
C326~328 C329~334 C329, 330 C331~333 C334			CE04KW1H100M CE04KW1C470M CE04KW1C470M CE04KW1V4R7M CE04KW1C470M	ELECTRO 10UF 50WV ELECTRO 47UF 16WV ELECTRO 47UF 16WV ELECTRO 4.7UF 35WV ELECTRO 47UF 16WV	X1 ET1Q1 ET1Q1 ET1Q1	

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C335 C500 C501 C502 C503			CE04KW1H101M CK45FB1H102K CK45FF1H103Z CQ93FMG1H104J CK45FF1H103Z	ELECTRO 100UF 50WV CERAMIC 1000PF K CERAMIC 0.010UF Z MYLAR 0.10UF J CERAMIC 0.010UF Z		
C504 C505 C506 C507 C508, 509			CK73FB1H103K CK45FF1H103Z CK45FB1H102K CK45FF1H103Z CE04KW1A101M	CHIP C 0.010UF K CERAMIC 0.010UF Z CERAMIC 1000PF K CERAMIC 0.010UF Z ELECTRO 100UF 10WV		
C510 C511~513 C514 C515 C516			CC45FSL1H331J CK45FF1H103Z CK73FB1H103K CK45FB1H561K CE04KW1H2R2M	CERAMIC 330PF J CERAMIC 0.010UF Z CHIP C 0.010UF K CERAMIC 560PF K ELECTRO 2.2UF 50WV		
C517 C518~522 C523 C524 C525			CE04KW1H010M CK45FF1H103Z CE04KW1A101M CK45FF1H103Z CE04KW1H010M	ELECTRO 1.0UF 50WV CERAMIC 0.010UF Z ELECTRO 100UF 10WV CERAMIC 0.010UF Z ELECTRO 1.0UF 50WV		
C526 C527 C528 C529, 530 C531			C90-3214-05 CC73FCH1H470J CC73FCH1H180J CE04KW1V4R7M CK73FB1H103K	ELECTRO 100UF 6.3WV CHIP C 47PF J CHIP C 18PF J ELECTRO 4.7UF 35WV CHIP C 0.010UF K		
C532, 533 C534			CK73FB1H102K C90-1827-05	CHIP C 1000PF K ELECTRO 0.047F 5.5WV		
CN1 CN8 CN9 CN11 CN12			E40-4299-05 E40-8251-05 E40-9848-05 E40-8254-05 E40-8196-05	PIN ASSY FLAT CABLE CONNECTOR PIN ASSY FLAT CABLE CONNECTOR PIN ASSY		
CN13 CN51 CN52 CN53 J1	2C		E40-4248-05 E40-8258-05 E40-8253-05 E40-8250-05 E63-0046-15	PIN ASSY FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR PHONO JACK		
J2, 3 J4 J5 J6 J7	2C 2C 2C 2C 2C	*	E63-0047-15 E63-0114-05 E70-0100-05 E70-0047-05 E63-0046-15	PHONO JACK PHONO JACK SCREW TERMINAL BOARD LOCK TERMINAL BOARD PHONO JACK		
W401~405			E29-1634-14	LEAD PLATE		
L1~5 L501 L502 X501 X502			L39-1373-05 L40-1091-17 L40-1001-17 L78-0290-05 L77-2002-05	PHASE COMPENSATION COIL SMALL FIXED INDUCTOR(10UH) SMALL FIXED INDUCTOR(10UH,K) RESONATOR (8MHZ) CRYSTAL RESONATOR(4.332MHZ)		
R1, 2 R3, 4 R5 R6 R8			RK73FB2A513J RK73FB2A273J RK73FB2A222J RK73FB2A333J RK73FB2A152J	CHIP R 51K J 1/10W CHIP R 27K J 1/10W CHIP R 2.2K J 1/10W CHIP R 33K J 1/10W CHIP R 1.5K J 1/10W	X1	

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R9, 10 R11, 12 R14 R16, 17 R18			RS14KB3D391J RK73FB2A472J RD14NB2E1R0J RK73FB2A273J RD14NB2E4R7J	FL-PROOF RS 390 J 2W CHIP R 4.7K J 1/10W RD 1 J 1/4W CHIP R 27K J 1/10W RD 4.7 J 1/4W		
R19 R21, 22 R23, 24 R25, 26 R27, 28			RK73FB2A472J RS14KB3A392J RD14NB2E103J RS14KB3A392J RK73FB2A182J	CHIP R 4.7K J 1/10W FL-PROOF RS 3.9K J 1W RD 10K J 1/4W FL-PROOF RS 3.9K J 1W CHIP R 1.8K J 1/10W	ET1Q1	
R27, 28 R30 R32 R34 R35			RK73FB2A272J RK73FB2A223J RK73FB2A153J RK73FB2A473J RK73FB2A182J	CHIP R 2.7K J 1/10W CHIP R 22K J 1/10W CHIP R 15K J 1/10W CHIP R 47K J 1/10W CHIP R 1.8K J 1/10W	X1	ET1Q1
R35 R37 R38-40 R41 R42-44			RK73FB2A272J RS14KB3A681J RS14KB3D271J RS14KB3D221J RS14KB3D391J	CHIP R 2.7K J 1/10W FL-PROOF RS 680 J 1W FL-PROOF RS 270 J 2W FL-PROOF RS 220 J 2W FL-PROOF RS 390 J 2W	X1	
R45 R46 R50 R51 R101, 102			RD14NB2E1R0J RD14NB2E821J RK73FB2A472J RK73FB2A473J RK73FB2A102J	RD 1 J 1/4W RD 820 J 1/4W CHIP R 4.7K J 1/10W CHIP R 47K J 1/10W CHIP R 1.0K J 1/10W		
R103, 104 R105, 106 R117, 118 R119, 120 R121, 122			RK73FB2A273J RK73FB2A101J RK73FB2A102J RK73FB2A224J RK73FB2A102J	CHIP R 27K J 1/10W CHIP R 100 J 1/10W CHIP R 1.0K J 1/10W CHIP R 220K J 1/10W CHIP R 1.0K J 1/10W		
R123, 124 R125, 126 R127, 128 R129, 130 R131, 132			RK73FB2A224J RK73FB2A102J RK73FB2A224J RK73FB2A102J RK73FB2A224J	CHIP R 220K J 1/10W CHIP R 1.0K J 1/10W CHIP R 220K J 1/10W CHIP R 1.0K J 1/10W CHIP R 220K J 1/10W		
R135, 136 R137, 138 R139, 140 R141, 142 R143, 144			RK73FB2A102J RK73FB2A224J RK73FB2A102J RK73FB2A224J RK73FB2A102J	CHIP R 1.0K J 1/10W CHIP R 220K J 1/10W CHIP R 1.0K J 1/10W CHIP R 220K J 1/10W CHIP R 1.0K J 1/10W		
R145, 146 R147, 148 R149, 150 R151, 152 R153-156			RK73FB2A224J RK73FB2A102J RK73FB2A224J RK73FB2A102J RK73FB2A224J	CHIP R 220K J 1/10W CHIP R 1.0K J 1/10W CHIP R 220K J 1/10W CHIP R 1.0K J 1/10W CHIP R 220K J 1/10W		
R157, 158 R165-168 R169-172 R173, 174 R175, 176			RK73FB2A4R7J RK73FB2A103J RK73FB2A223J RK73FB2A473J RK73FB2A622J	CHIP R 4.7 J 1/10W CHIP R 10K J 1/10W CHIP R 22K J 1/10W CHIP R 47K J 1/10W CHIP R 6.2K J 1/10W		
R177, 178 R203, 204 R205, 206 R219 R220			RK73FB2A103J RK73FB2A102J RK73FB2A100J RS14KB3A221J RS14KB3A271J	CHIP R 10K J 1/10W CHIP R 1.0K J 1/10W CHIP R 10 J 1/10W FL-PROOF RS 220 J 1W FL-PROOF RS 270 J 1W		

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R226 R227, 228 R229, 230 R229, 230 R231, 232			RK73FB2A103J RK73FB2A104J RK73FB2A133J RK73FB2A912J RK73FB2A183J	CHIP R 10K J 1/10W CHIP R 100K J 1/10W CHIP R 13K J 1/10W CHIP R 9.1K J 1/10W CHIP R 18K J 1/10W	ET1Q1 X1	
R237, 238 R239, 240 R241, 242 R241, 242 R243, 244			RK73FB2A103J RK73FB2A104J RK73FB2A363J RK73FB2A913J RK73FB2A183J	CHIP R 10K J 1/10W CHIP R 100K J 1/10W CHIP R 36K J 1/10W CHIP R 91K J 1/10W CHIP R 18K J 1/10W	X1 ET1Q1	
R249, 250 R251, 252 R253 R253 R254			RK73FB2A103J RK73FB2A104J RK73FB2A363J RK73FB2A913J RK73FB2A432J	CHIP R 10K J 1/10W CHIP R 100K J 1/10W CHIP R 36K J 1/10W CHIP R 91K J 1/10W CHIP R 4.3K J 1/10W	X1 ET1Q1	
R255, 256 R263, 264 R267 R269, 270 R271			RK73FB2A183J RK73FB2A102J RK73FB2A102J RK73FB2A102J RK73FB2A473J	CHIP R 18K J 1/10W CHIP R 1.0K J 1/10W CHIP R 1.0K J 1/10W CHIP R 1.0K J 1/10W CHIP R 47K J 1/10W		
R272 R275, 276 R277, 278 R284 R291			RK73FB2A361J RK73FB2A104J RK73FB2A563J RK73FB2A104J RK73FB2A104J	CHIP R 360 J 1/10W CHIP R 100K J 1/10W CHIP R 56K J 1/10W CHIP R 100K J 1/10W CHIP R 100K J 1/10W		
R305, 306 R309 R310 R311, 312 R313, 314			RK73FB2A102J RK73FB2A102J RK73FB2A333J R92-1866-05 RK73FB2A333J	CHIP R 1.0K J 1/10W CHIP R 1.0K J 1/10W CHIP R 33K J 1/10W METAL FILM 0.1 2W CHIP R 33K J 1/10W		
R315, 316 R315, 316 R317, 318 R319, 320 R323, 324			RK73FB2A243J RK73FB2A273J RK73FB2A471J RK73FB2A333J RD14NB2E4R7J	CHIP R 24K J 1/10W CHIP R 27K J 1/10W CHIP R 470 J 1/10W CHIP R 33K J 1/10W RD 4.7 J 1/4W	X1 ET1Q1	
R325, 326 R327, 328 R329, 330 R331, 332 R333, 334			R92-1866-05 RK73FB2A333J RK73FB2A303J RK73FB2A471J RK73FB2A333J	METAL FILM 0.1 2W CHIP R 33K J 1/10W CHIP R 30K J 1/10W CHIP R 470 J 1/10W CHIP R 33K J 1/10W		
R337, 338 R339 R341 R351, 352 R353			RD14NB2E4R7J R92-1866-05 RD14NB2E4R7J RD14NB2E4R7J RK73FB2A103J	RD 4.7 J 1/4W METAL FILM 0.1 2W RD 4.7 J 1/4W RD 4.7 J 1/4W CHIP R 10K J 1/10W		
R354 R355 R356, 357 R361 R363			RK73FB2A223J RK73FB2A473J RK73FB2A104J RK73FB2A333J RK73FB2A303J	CHIP R 22K J 1/10W CHIP R 47K J 1/10W CHIP R 100K J 1/10W CHIP R 33K J 1/10W CHIP R 30K J 1/10W		
R365 R367, 368 R367, 368 R369-371 R369-371			RK73FB2A471J RK73FB2A242J RK73FB2A332J RK73FB2A562J RK73FB2A682J	CHIP R 470 J 1/10W CHIP R 2.4K J 1/10W CHIP R 3.3K J 1/10W CHIP R 5.6K J 1/10W CHIP R 6.8K J 1/10W	X1 ET1Q1 X1 ET1Q1	

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R372 R373~377 R384 R385 R386			RK73FB2A162J RK73FB2A102J RK73FB2A103J RK73FB2A513J RK73FB2A103J	CHIP R 1.6K J 1/10W CHIP R 1.0K J 1/10W CHIP R 10K J 1/10W CHIP R 51K J 1/10W CHIP R 10K J 1/10W		
R387 R388 R522 R534 R536			RK73EB2B472J RK73FB2A103J RD14NB2E1R0J RK73FB2A101J RK73FB2A101J	CHIP R 4.7K J 1/8W CHIP R 10K J 1/10W RD 1 J 1/4W CHIP R 100 J 1/10W CHIP R 100 J 1/10W	ET1Q1	
R539 R542 R549 R555, 556 R562			RK73FB2A101J RK73EB2B101J RK73FB2A102J RK73FB2A103J RK73FB2A102J	CHIP R 100 J 1/10W CHIP R 100 J 1/8W CHIP R 1.0K J 1/10W CHIP R 10K J 1/10W CHIP R 1.0K J 1/10W		
R578 R587 R590 R592 R598			RK73FB2A103J RK73FB2A103J RK73FB2A222J RK73FB2A102J RK73FB2A361J	CHIP R 10K J 1/10W CHIP R 10K J 1/10W CHIP R 2.2K J 1/10W CHIP R 1.0K J 1/10W CHIP R 360 J 1/10W	X1	
R599 W503 W504 W505 W506, 507			RK73FB2A472J R92-0670-05 R92-0679-05 R92-0670-05 R92-0670-05	CHIP R 4.7K J 1/10W CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM	X1 ET1Q1	
W507 W508 W509			R92-0670-05 R92-0679-05 R92-0670-05	CHIP R 0 OHM CHIP R 0 OHM CHIP R 0 OHM	X1 X1 X1	
K1~4 S501~507 S509~512 S514~516 S520, 521			S76-0076-05 S70-0031-05 S70-0031-05 S70-0031-05 S70-0031-05	MAGNETIC RELAY TACT SWITCH TACT SWITCH TACT SWITCH TACT SWITCH		
S517 S518, 519			T99-0602-05 T99-0605-05	ROTARY ENCODER ROTARY ENCODER		
D1 D2 D2 D3~6 D3~6			D4SBL20UF03 D4SBL20UF03 D5SBA20F03 S5688B 1SR139-400	DIODE DIODE DIODE DIODE DIODE	X1 ET1Q1	
D8, 9 D8, 9 D11 D11 D12~14			HZS16N(B2) MTZJ16(B) HZS7.5N(B2) MTZJ7.5(B) HZS8.2N(B2)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		
D12~14 D15, 16 D15, 16 D17 D17			MTZJ8.2(B) HZS6.8N(B2) MTZJ6.8(B) HSS104A 1SS133	ZENER DIODE ZENER DIODE ZENER DIODE DIODE DIODE		
D18 D18 D19 D19			HZS4.7N(B2) MTZJ4.7(B) HZS3.3N(B2) MTZJ3.3(B)	ZENER DIODE ZENER DIODE ZENER DIODE ZENER DIODE		

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D20~23 D24, 25 D24, 25 D26, 27 D28			MA111 HZS18N(B2) MTZJ18(B) MA111 MA111	DIODE ZENER DIODE ZENER DIODE DIODE DIODE		ET1Q1 X1
D29 D30 D31 D31 D31			MA111 MA111 HZS24N(B2) HZS30N(B2) MTZJ24(B)	DIODE DIODE ZENER DIODE ZENER DIODE ZENER DIODE		ET1Q1 X1 ET1Q1 X1 ET1Q1
D31 D33 D34, 35 D34, 35 D503		*	MTZJ30(B) MA111 UDZ10B UDZ15B HSS104A	ZENER DIODE DIODE ZENER DIODE ZENER DIODE DIODE		X1 ET1Q1 X1
D503 D504 D504 D505 D505			1SS133 HSS104A 1SS133 HSS104A 1SS133	DIODE DIODE DIODE DIODE DIODE		Q1 Q1 ET1X1 ET1X1
D507 D507 D508~522 D508~522 D524			HSS104A 1SS133 HSS104A 1SS133 HSS104A	DIODE DIODE DIODE DIODE DIODE		Q1 Q1
D524 D525 D525 D526 D526			1SS133 HZS6.2N(B2) MTZJ6.2(B) HSS104A 1SS133	DIODE ZENER DIODE ZENER DIODE DIODE DIODE		
D529 D529 D531 D531 ED51		2B	HSS104A 1SS133 HSS104A 1SS133 11-MT-116GK	DIODE DIODE DIODE DIODE INDICATOR TUBE		X1 X1
IC1 IC2 IC3 IC4 IC5			TA7815SB TA79015SB STK411-230D STK410-030D NJM4580ED	ANALOGUE IC ANALOGUE IC HYBRID IC HYBRID IC ANALOGUE IC		
IC6 IC7 IC8 IC9 IC10~12			TC9164AF TC9163AF NJM4565MD M62446FP NJM4565MD	MOS-IC MOS-IC IC(OP AMP X2) ANALOGUE IC IC(OP AMP X2)		
IC51 IC52 IC53 IC54 Q1			CXP82852-134Q X24C02S S-80740AL-A4 SAA6579T/R 2SC1845(F,E)	MI-COM IC MEMORY IC IC(VOLTAGE DETECTOR) ANALOGUE IC TRANSISTOR		
Q2 Q3~14 Q15, 16 Q17~21 Q23			2SB1640 2SC2878(B) 2SA1576A(R,S) 2SC1845(F,E) 2SA992(F,E)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		

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Q24, 25 Q26~29 Q31 Q31 Q32			2SC1845(F,E) DTC123JUA 2SC2631(S,T) 2SC3245A(F) 2SA1123(S,T)	TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q32 Q34, 35 Q36 Q37 Q38			2SA1285A(F) 2SC1845(F,E) 2SA1535(Q,R) 2SC1845(F,E) 2SC3722K(R,S)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q39 Q40 Q41 Q41 Q42			DTC113ZUA 2SC4213(B) 2SC4081(R,S) 2SD1819A(Q,R) 2SC3722K(R,S)	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	X1 X1	
Q501 Q501 Q503 Q503 Q504			2SC4081(R,S) 2SD1819A(Q,R) 2SC4081(R,S) 2SD1819A(Q,R) 2SC4081(R,S)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	ET1Q1	
Q504 TH1		*	2SD1819A(Q,R) PTH9C42BD471Q	TRANSISTOR POSITIVE RESISTOR	X1 X1	
A501	2B		W02-2625-05	OPTIC RECEIVING MODULE		

HOW TO READ THE PARTS LIST

ABBREVIATION OF MODEL AND MASS PRODUCTION'S DESTINATIONS

MODEL	ABB.	Australia	Canada	China	England	Europe	Germany	Korea	Malaysia
KRF-V8010D	-	X1	-	-	T1	E	-	-	-
KRF-V8010DW	-	-	-	-	-	-	-	-	-
MODEL	ABB.	Mexico	PX/AAFES	Russia	Scandinavia	Shanghai	USA	Other area	
KRF-V8010D	-	-	-	-	-	-	-	-	
KRF-V8010DW	-	-	-	Q1	-	-	-	-	

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KRF-V8010D/V8010DW

KRF-V8010D/V8010DW

SPECIFICATIONS

For U.K., Europe and Russia

AUDIO section

Rated power output during STEREO operation

(DIN) 1 kHz, 0.7% at 4 Ω 100 W + 100 W
(IEC) 63 Hz~12.5 kHz, 0.7% at 4 Ω 100 W + 100 W
(Except for Russia)

Effective power output during SURROUND operation

FRONT (1kHz, 0.7% T.H.D. at 4 Ω one channel driven)
..... 100 W + 100 W
CENTER (1kHz, 0.7% T.H.D. at 4 Ω one channel driven)
..... 100 W
SURROUND (1kHz, 0.7% T.H.D. at 4 Ω one channel driven)
..... 100 W + 100 W

Total harmonic distortion 0.03% (1 kHz, 50W, 4 Ω)

Signal to noise ratio

PHONO (MM) 75 dB (IHF'66)
54 dB (DIN 50mW output)(Except for Russia)
CD 91 dB (IHF'66)
55 dB (DIN 50mW output)(Except for Russia)

Input sensitivity / impedance

PHONO (MM) 2.5 mV / 27 k Ω
CD 200 mV / 47 k Ω
DVD 6CH (SUBWOOFER) 200 mV / 10 k Ω

Output level / impedance

TAPE REC 200 mV / 1 k Ω
PRE OUT (CENTER, SURROUND) 1 V / 1 k Ω
PRE OUT (SUBWOOFER) 1 V / 600 Ω

Tone control

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

VIDEO section

VIDEO inputs / outputs

VIDEO (composite) 1 Vp-p / 75 Ω

FM tuner section

Tuning frequency range

U.K. and Europe 87.5 MHz ~ 108 MHz
Russia 87.5 MHz ~ 108 MHz,
65.0 MHz ~ 74.0 MHz

Usable sensitivity (DIN, 75 Ω)

MONO 1.2 μ V / 13.2 dBf (40 kHz DEV., S/N 26 dB)
STEREO 35 μ V / 42.1 dBf (46 kHz DEV., S/N 46 dB)

Total harmonic distortion (DIN, 1 kHz)

MONO 0.2% (65.2 dBf input)
STEREO 0.8% (65.2 dBf input)

Signal to noise ratio (DIN weighted, 1 kHz)

U.K. and Europe
MONO 65 dB (40 kHz DEV.)
STEREO 60 dB (46 kHz DEV.)
Russia
MONO 63 dB (40 kHz DEV.)
STEREO 58 dB (46 kHz DEV.)

Stereo separation (DIN, 1 kHz) 36 dB

Selectivity (DIN, ± 300 kHz) 64 dB

Frequency response (30 Hz ~ 15kHz) +0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range 531 kHz ~ 1,602 kHz

Usable sensitivity (30% mod., S/N 20 dB)

..... 16 μ V / (600 μ V/m)

Signal to noise ratio (30% mod., 1 mV input) 50 dB

GENERAL

Power consumption 250 W

AC outlet

SWITCHED 2 (total 150 W max.)

Dimensions W : 440 mm

H : 144 mm

D : 400 mm

Weight (Net) 9.3 kg



1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. Sufficient performance may not be possible at very low temperatures (0°C or less).

KRF-V8010D/V8010DW

SPECIFICATIONS

For Australia

AUDIO section

Rated power output during STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20 kHz with no more than 0.7% total harmonic distortion.(FTC)

Effective power output during SURROUND operation

FRONT (1kHz, 10% T.H.D. at 8 Ω one channel driven)
..... 100 W + 100 W
CENTER (1kHz, 10% T.H.D. at 8 Ω one channel driven)
..... 100 W
SURROUND (1kHz, 10% T.H.D. at 8 Ω one channel driven)
..... 100 W + 100 W

Total harmonic distortion 0.03% (1 kHz, 50W, 8 Ω)

Signal to noise ratio

PHONO (MM) 75 dB (IHF'66)
CD 91 dB (IHF'66)

Input sensitivity / impedance

PHONO (MM) 2.5 mV / 27 k Ω
CD 200 mV / 47 k Ω
DVD 6CH (SUBWOOFER) 200 mV / 10 k Ω

Output level / impedance

TAPE REC 200 mV / 1 k Ω
PRE OUT (CENTER, SURROUND) 1 V / 1 k Ω
PRE OUT (SUBWOOFER) 1 V / 600 Ω

Tone control

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

VIDEO section

VIDEO inputs / outputs

VIDEO (composite) 1 Vp-p / 75 Ω

FM tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity (DIN, 75 Ω)

MONO 1.6 μ V / 15.2 dBf (75 kHz DEV., S/N 30 dB)
STEREO 31.6 μ V / 41.2 dBf (75 kHz DEV., S/N 30 dB)

Total harmonic distortion (DIN, 1 kHz)

MONO 0.6% (65 dBf input)
STEREO 0.7% (65 dBf input)

Signal to noise ratio (DIN weighted, 1 kHz)

U.K. and Europe
MONO 75 dB (75 kHz DEV.)
STEREO 68 dB (75 kHz DEV.)

Stereo separation (DIN, 1 kHz) 38 dB

Selectivity (DIN, ± 400 kHz) 50 dB

Frequency response (30 Hz ~ 15kHz) +0.5 dB, -3.0 dB

AM tuner section

Tuning frequency range 531 kHz ~ 1,602 kHz

Usable sensitivity (30% mod., S/N 20 dB)

..... 16 μ V / (600 μ V/m)

Signal to noise ratio (30% mod., 1 mV input) 50 dB

GENERAL

Power consumption 250 W

AC outlet

SWITCHED 1 (150 W max.)

Dimensions W : 440 mm

H : 144 mm

D : 400 mm

Weight (Net) 9.7 kg



1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. Sufficient performance may not be possible at very low temperatures (0°C or less).

KRF-V8010D/V8010DW

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.

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