

CASSETTE RECEIVER

KRC-694/Y

KRC-766

SERVICE MANUAL

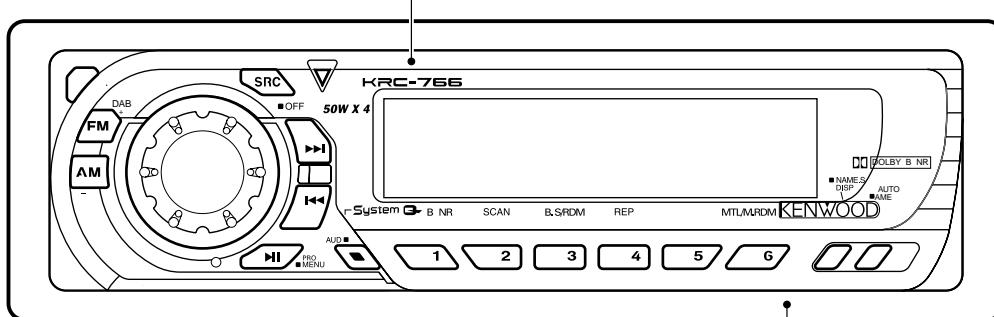
KENWOOD

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B53-0015-00 (N) 2139

The CASSETTE MECHANISM OPERATION DESCRIPTION is the same model D40-1122-05.

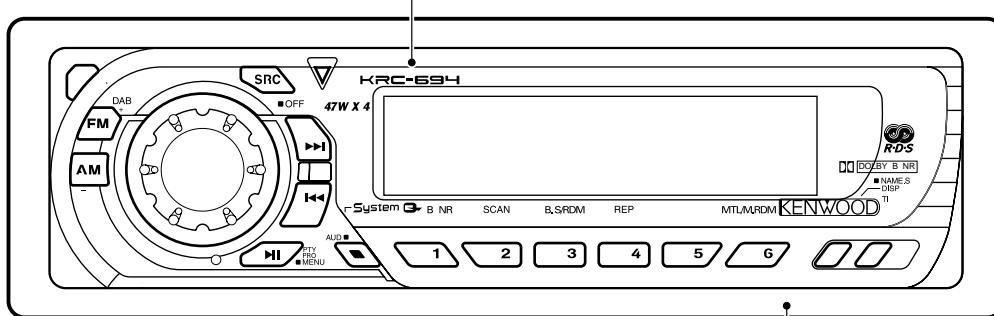
Please refer to the service manual for model D40-1122-05 (B51-7452-00).

Panel assy
(A64-2844-02): KRC-766



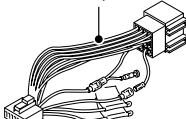
Panel assy
(A64-2847-02): KRC-694/Y

Escutcheon
(B07-3022-02)

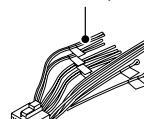


Escutcheon
(B07-3022-02)

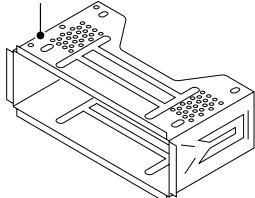
DC cord (ISO)
(E30-4790-05): KRC-694/Y



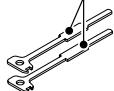
DC cord
(E30-4784-05): KRC-766



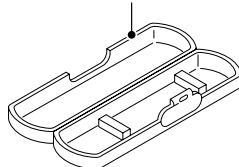
Mounting hardware assy
(J22-0011-03)



Lever
(D10-4589-04)x2



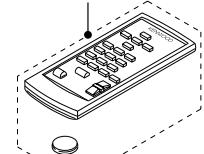
Plastic cabinet assy
(A02-1486-13)



Antenna adaptor
(T90-0523-05): KRC-694/Y



Remote controller assy (RC-410)
(A70-2025-05): KRC-766 only



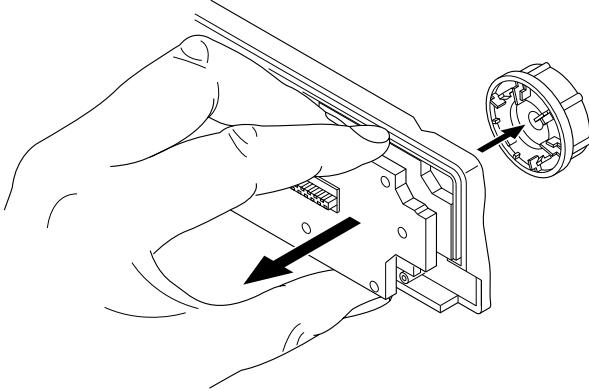
Screw set
(N99-1730-15)



DISASSEMBLY FOR REPAIR

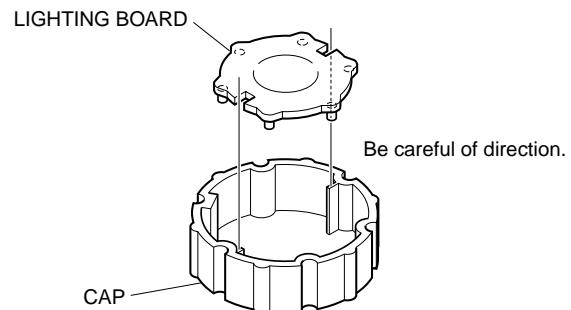
How to remove the Volume Knob

1. Remove the rear cover of panel unit.
2. Juck up as remove the switch unit (x16-) and Volume Knob as shown.



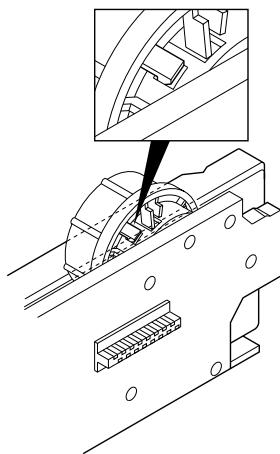
How to install the Volume Knob

1. Remove the peeling paper of LIGHTING BOARD BOSS side.
2. CAP and LIGHTING BOARD are install positioning as shown.

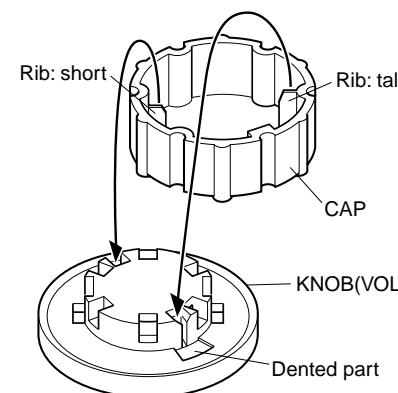


(CAUTION)

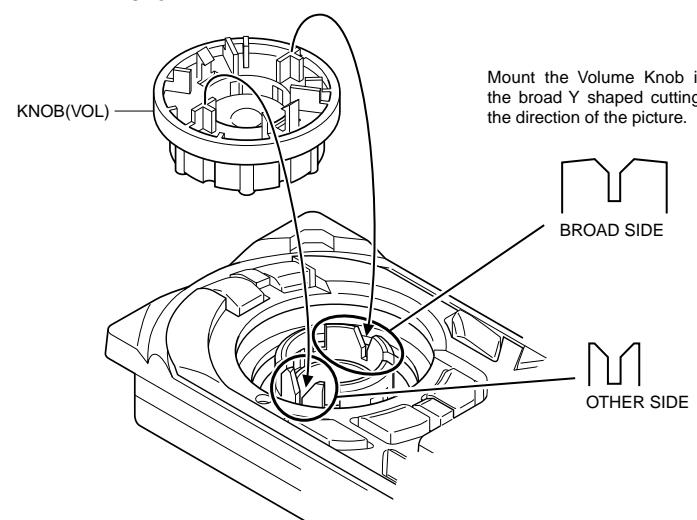
Volume Knob cannot pull of front side that looked at tab point in the rotary encoder.



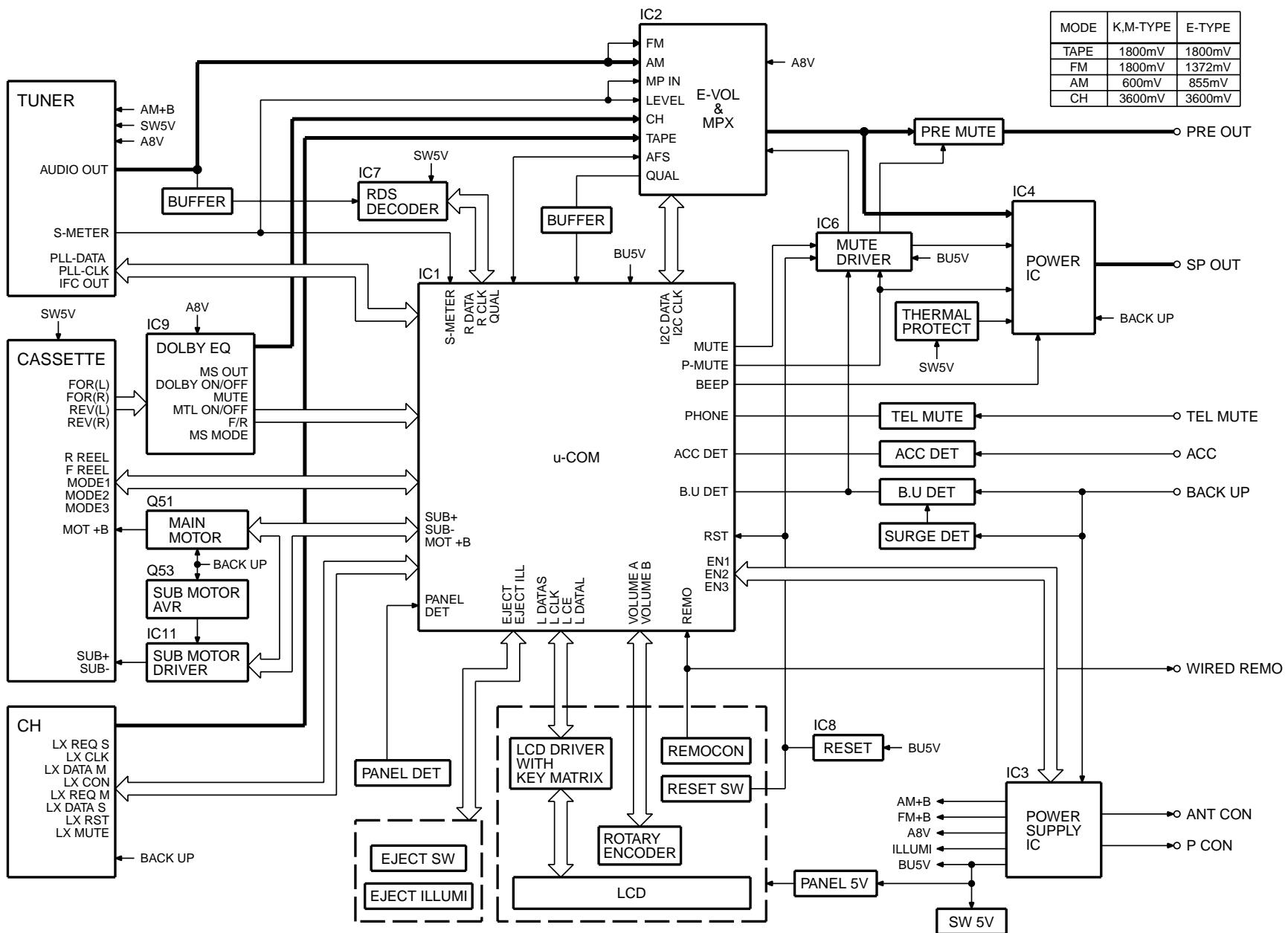
3. Remove the peeling paper.(Use Tweezers)
4. CAP and Volume Knob are install positioning as shown.



5. Install a Volume Knob in rotary encoder positioning as shown.



BLOCK DIAGRAM



COMPONENTS DESCRIPTION

● SWITCH UNIT (X16-2020-11)

Ref. No	Purpose • Function	Operation/Condition/Compatibility
IC1	LCD driver	Drives LCD
IC2	Remote control IC	Controls the unit
Q1,Q4	REMO ON switch	The power supply of IC2 is turned on when base level goes "L"
Q2	Key illumination switch (Green)	Lights Green key-illumination when base level goes "H"
Q3	Key illumination switch (Red)	Lights Red key-illumination when base level goes "H"

● SYNTHESIZER UNIT (X14-918x-xx)

Ref. No	Purpose • Function	Operation/Condition/Compatibility																																
IC1	System μ-com	Controls FM/AM tuner, the changer, cassette mechanism, Panel, volume and tone.																																
IC2	E.Vol & N.C.MPX	Controls the source, volume, tone and FM multiplex detector.																																
IC3	Power supply IC	BU5V(5V) Audio8V(8V) FM+B(8V) AM+B(8V) P-CON ANT-CON <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>IN EN1</td> <td>OUT ILLUMI</td> <td>IN EN2</td> <td>AM</td> <td>OUT FM</td> <td>A8V</td> <td>IN EN3</td> <td>OUT ANT-CONP-CON</td> </tr> <tr> <td>0V</td> <td>OFF</td> <td>0V</td> <td>OFF</td> <td>OFF</td> <td>OFF</td> <td>0V</td> <td>OFF</td> </tr> <tr> <td>5V</td> <td>ON</td> <td>2.5V</td> <td>OFF</td> <td>ON</td> <td>ON</td> <td>2.5V</td> <td>OFF</td> </tr> <tr> <td></td> <td></td> <td>5V</td> <td>ON</td> <td>OFF</td> <td>ON</td> <td>5V</td> <td>ON</td> </tr> </table>	IN EN1	OUT ILLUMI	IN EN2	AM	OUT FM	A8V	IN EN3	OUT ANT-CONP-CON	0V	OFF	0V	OFF	OFF	OFF	0V	OFF	5V	ON	2.5V	OFF	ON	ON	2.5V	OFF			5V	ON	OFF	ON	5V	ON
IN EN1	OUT ILLUMI	IN EN2	AM	OUT FM	A8V	IN EN3	OUT ANT-CONP-CON																											
0V	OFF	0V	OFF	OFF	OFF	0V	OFF																											
5V	ON	2.5V	OFF	ON	ON	2.5V	OFF																											
		5V	ON	OFF	ON	5V	ON																											
IC4	Power IC	Amplifies the front L/R and the rear L/R to 50W or 47W maximum.																																
IC6	Muting logic IC	Controls logic for muting.																																
IC7	RDS decoder																																	
IC8	Reset IC	"L" when detection voltage goes below 3.5V or less.																																
IC9	Equalizer amplifier	Dolby-B, Metal-EQ, Equalizer the Tape sound(120μ sec).																																
IC11	Sub motor driver	Sub motor control <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>IN IN1(-)</td> <td>IN IN2(+)</td> <td>SUB MOTOR</td> </tr> <tr> <td>L</td> <td>L</td> <td>STOP</td> </tr> <tr> <td>L</td> <td>H</td> <td>CW</td> </tr> <tr> <td>H</td> <td>L</td> <td>CCW</td> </tr> <tr> <td>H</td> <td>H</td> <td>STANBY</td> </tr> </table>	IN IN1(-)	IN IN2(+)	SUB MOTOR	L	L	STOP	L	H	CW	H	L	CCW	H	H	STANBY																	
IN IN1(-)	IN IN2(+)	SUB MOTOR																																
L	L	STOP																																
L	H	CW																																
H	L	CCW																																
H	H	STANBY																																
Q1	Serge detection	"L" when the back-up voltage becomes more than 18V(momentary power down). "H" when the back-up voltage becomes less than 18V.																																
Q2	BACK-UP detection	"L" when B.U is present. "H" when B.U is absent or momentary power down is detected.																																
Q3	ACC detection	"L" when Acc is present.																																
Q4	SW 5V	ON when the base is "L".																																
Q5	Power-antenna detection	"H" when P-ANT output is short-circuit(P.ANT OFF). "L" when FM/AM signal does not exist.																																
Q6	P-CON detection	"H" when P-CON output is short-circuit.																																
Q51	Main motor switch 1	Outputs 14V when the base is "L".																																
Q52	Main motor switch 2	Q51 turns ON when the base is "H".																																
Q53	Sub motor AVR	Output 3.6V when the base of Q4 is "L".																																
Q54	MSTC switch	ON when the base is "H".																																
Q101	Composite signal buffer																																	
Q151	DSI driver	DSI lights when the base is "L". DSI turns off when the base is "H". DSI turns on and off when panel is taken off.																																
Q152	Panel 5V switch	When the panel is attached, the base goes "L", turning the Tr ON to supply 5V to the panel. When panel is taken off, panel 5V cut off.																																
Q201	Noise buffer																																	
Q350	Pre mute switch	Drives the pre mute switch (Q351~354) when the base is "L".																																
Q351	Pre mute switch	Mutes the rear Lch when the base is "H".																																
Q352	Pre mute switch	Mutes the rear Rch when the base is "H".																																
Q355	Pre mute switch	Mutes the front Lch when the base is "H".																																
Q356	Pre mute switch	Mutes the front Rch when the base is "H".																																

MICROCOMPUTER'S TERMINAL DESCRIPTION**● SYSTEM MICROCOMPUTER MN101C49HNA (IC1: X14-)**

Pin No.	Name	Module	I/O	Description	Processing Operation
1	VREF-	Power supply		GND for A/D	
2	F REEL	TAPE	I	Reel pulse FWD	Cassette mecha reel pulse output FWD Vth=2.5V
3	R REEL	TAPE	I	Reel pulse REW	Cassette mecha reel pulse output REW Vth=2.5V
4	S-METER	TUNER	I	K3I tuner S-meter	
5	IFC-OUT	TUNER	I	IF count	0V or 5V
6	NOISE	TUNER	I	FM noise detection terminal	
7	PHONE	EXTRA	I	PHONE detection terminal	Tel mete :1V or less, NAVI MUTE:2.5V or less, Only J type 1V or less,more than 2.5V NAVI
7	PHONE	EXTRA	I	When Not used, output L fixed	
8	DCDET RESERVE	Power supply	I	Not used DE DET pull down	DC offset detection terminal of P-IC
9	GND	Power supply		GND	
10	VREF+	Power supply		VCC for A/D	
11	VDD	Power supply		Microcomputer's main Vcc	
12	MAIN OSC1			Main oscillation input	8.38MHz
13	MAIN OSC2			Main oscillation input	
14	VSS	Power supply		Microcomputer's main GND	
15	SUB OSC1			32.768kHz oscillation input	
16	SUB OSC2			32.768kHz oscillation input	
17	GND	Power supply		GND	External ROM
18	LX-DATAM	LX	O	Data output to CH	Last maintain
19	LX-DATAS	LX	I	Data input from CH	
20	LX-CLK	LX	O	Clock input and output with CH	
21	FLASH READ		O		
22	FLASH WRITE		O		
23	FLASH CLK		O		
24	BEEP	AUDIO	O	Beep for built in amplifier	
25	PANEL-DET	to PANEL	I	Panel existence detection terminal	Detached the panel :L, Attached the panel :H
26	REMO	to PANEL	I	Remote control input	
27	R-CLK	TUNER	I	Clock for RDS decoder	With no destination:out put L fixing
27	NC		O	With no RDS output L fixed	
28	LX-REQS	LX	I	Request input from CH	Request detection :L
29	B.U-DET	Power supply	I	Momentary power down detection	BU detection :L With no BU :H
30	EJECT	to PANEL	I	Tape eject	L :KEY input
31	KEY-REQ	to PANEL	I	Communication request from LCD driver	L :KEY input
32	VDD	Power supply	I		VDD
33	RESET		I	Reset	
34	EQ MUTE	TAPE	O	Equalizer mute	During tape play :L During tape FF/REW :H Mode except tape :H
35	DOLBY	TAPE	O	B NR ON/OFF	B NR ON:H, B NR OFF:L Mode except tape :keep the value
36	MUSIC	TAPE	I	Tape between music detection	music signal detection:L, with no music signal:H
37	NC		O		
38	NC		O		
39	NC		O		
40	NC		O		
41	VDD	Power supply	I		VDD
42	L DATAS	to PANEL	O	TXD for LCD	
43	L DATA1	to PANEL	I	RXD for LCD	
44	L CLK	to PANEL	O	Clock for LCD	
45	PLL DATA	TUNER	I/O	Tuner I2C SDA	
46	NC		O		

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Name	Module	I/O	Description	Processing Operation
47	PLL CLK	TUNER	I/O	Tuner I2C SCL	
48	NC		O		
49	NC		O		
50	NC		O		
51	PANEL 5V	to PANEL	I/O	Panel 5V ON/OFF	Attached the panel, ACC ON :L (Refer to "Truth table 5")
52	NC		O		
53	NC		O		
54	VOL A	to PANEL	I	Rotary encoder input	Refer to timing chart
55	VOL B	to PANEL	I	Rotary encoder input	Refer to timing chart
56	DSI	to PANEL	O	Eject key illumination, guide illumination, DSI control	Light on :L, Light off :H
57	NC		O		
58	FILP-DET	to PANEL	I	14seg retractable detection	
59	L CE	to PANEL	O	LCD driver CE	
60	NC		O		
61	TYPE0	EXTRA	I	Destination setting	Refer to "Trush table 4"
62	TYPE1	EXTRA	I	Destination setting	Refer to "Trush table 4"
63	TYPE2	EXTRA	I	Destination setting	Refer to "Trush table 4"
64	NC		O		
65	ST TYPE0	EXTRA	I	for OEM	Refer to "Trush table 4"
66	ST TYPE1	EXTRA	I	for OEM	Refer to "Trush table 4"
67	NC		O		
68	NC		O		
69	NC		O		
70	MODE1	TAPE	I	Cassette mechanism mode detection	Refer to "Trush table 1"
71	MODE2	TAPE	I	Cassette mechanism mode detection	Refer to "Trush table 1"
72	MODE3	TAPE	I	Cassette mechanism mode detection	Refer to "Trush table 1"
73	MOTOR	TAPE	O	Cassette mechanism main motor	Motor active :H, Motor stop :L
74	SUB+	TAPE	O	Cassette mechanism sub motor	Refer to "Trush table 2"
75	SUB-	TAPE	O	Cassette mechanism sub motor	Refer to "Trush table 2"
76	R QUAL	TUNER	I	RDS quality	
76	NC		O	When with no RDS, output L fixed	
77	R DATA	TUNER	I	RDS data	
77	NC		O	When with no RDS, output L fixed	
78	LX-MUTE	LX	I	Mute request from CH	H:MUTE ON L:MUTE OFF
79	LX-CON	LX	O	Control output to CH	ON:H OFF:L
80	LX-REQM	LX	O	Request output to CH	Request detection :L
81	LX-RST	LX	O	Reset for CH	Usually, L after system RST returned, after more than 400msec H, and L
82	MUTE	AUDIO	O	Mute	
83	AFS	TUNER	O	Noise detection time constant switching terminal	FM seek during AF search :L, during receiving :H
84	IC2 SDA	AUDIO	I/O	SDA for EVOL	
85	IC2 SCL	AUDIO	I/O	SCL for EVOL	
86	P-MUTE	AUDIO	O	Power IC Mute output terminal	When power off :L all off :L tel mute :L
87	P-STBY	AUDIO	O	Power IC standby output terminal	When power IC on :H off :L
88	SVR	AUDIO	O	Power IC servo control terminal	momentary power down :H
89	ACC-DET	Power supply	I	ACC detection	ACC detection :L with no ACC :H
90	PCON-DET	EXTRA	I	PCON output detection	PCON detection :L
91	PANT-DET	EXTRA	I	PANT output detection	PANT detection :L with no PANT :output L fixed
92	MS MODE	TAPE	O	Tape between music detection switching	While tape play :H While tape FF/REW, mode except tape :L

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Name	Module	I/O	Description	Processing Operation
93	F/R	TAPE	O	Tape EQ input switching	FWD input :L REV input :H MODE except TAPE :keep the value
94	METAL	TAPE	O	TAPE METAL ON/OFF	NORMAL :H, METAL :L MODE except TAPE :keep the value
95	DAVSS	Power supply			
96	EN2	Power supply	O	Power supply IC control	Refer to "Trush table 3"
97	EN3	Power supply	O	Power supply IC control	Refer to "Trush table 3"
98	EN1	Power supply	O	Power supply IC control	Refer to "Trush table 3"
99	SW5V	Power supply	O	SW5V control	
100	DAVDD	Power supply		Reference power supply for D/A	

Trush table 1. (Cassette mechanism conditions)

MODE1	MODE2	MODE3	condition
L	H	H	Eject
H	L	H	Standby
L	L	L	REW
L	L	H	FF
H	L	L	REV play
H	H	L	FWD play
H	H	H	other position

Trush table 2. (Cassette mechanism sub motor)

SUB MOTOR +	SUB MOTOR -	condition
L	L	Stop (Power off)
L	H	Normal rotation (way to loading)
H	L	Reverse (way to eject)
H	H	Stop (Power on)

Trush table 3. (Power supply IC [TDA3682])

EN1 Control	
EN1	ILL
L	OFF
H	ON
EN2 Control	
EN2	AUDIO 8V
L	OFF
M	ON
H	ON
EN3 Control	AM 8V
L	OFF
M	ON
H	ON
FM 8V	ON
L	OFF
M	ON
H	ON

*H=5V M=2.5V L=0V

Trush table 4. (Destination type list)

Model number	TYPE0	TYPE1	TYPE2	ST TYPE0	ST TYPE1
KRC-766	L	L	L	L	L
KRC-694/Y	L	L	H	L	L
KRC-666R	L	H	L	L	L
KRC-594/Y	L	H	H	L	L
KRC-594V/YV	H	L	L	L	L
KRC-666	H	H	L	L	L

Trush table 5. (Panel 5V)

	Processing intructions for low consumption mode	
POWER OFF	O	L
ACC OFF	I	Hi-z
Detached the panel	I	Hi-z
Momentary power down (Attached the panel)	I	Hi-z

TEST MODE

1. How to enter the test mode

- While holding the Preset 1 and Preset 3 keys, reset the unit.

2. How to exit from the test mode

- Reset the unit, momentary power down, ACC OFF, power OFF, and Panel detached.
- (Note) The test mode cannot be terminated by Panel falling down.

3. Initial status in the test mode

- Sources : All OFF.
- Display : All segments are lit.
- Volume : -10 dB (displayed as 30)
- Loudness : OFF
- CRSC : OFF regardless of the presence of switching function.
- SYSTEM Q : Flat.
- BEEP : When pressing any keys, the buzzer generates a beep at any time.
- DISPLAY TYPE : TYPE A

4. RDS automatic measurement

- An addition to disposal of substitute for visual check PS display as usual production lines.
- P-CON terminal is OFF by force, when received the PS data and in case of corroboration PS display is "RDS_TEST". ("_" is mean blank.)
- This disposal is test mode only.
- P-CON is switching the source or return with power on → off.

5. Special display in Tuner mode

When any of the following messages is displayed in Tuner mode, the front end may be abnormal.

- "TNE 2P NG": The EEPROM is set to the default (unstable values) because the F/E was shipped without passing through the adjustment process, etc.
- "TNCON NG": Communication with the F/E is not possible.

6. Forced switching of K3I

- Each press of the Preset 6 key in Tuner mode should switch K3I from AUTO → Forced Wide → Forced Middle → Forced Narrow → AUTO. The initial status is AUTO and the display shows these modes as follows.

- AUTO : FMA
- Forced Wide : FMW
- Forced Middle : FMM
- Forced Narrow : FMN

7. Test mode specifications of the cassette receiver

- BLANK SKIPP :OFF

8. Audio-related specifications

- A short press of the Q key initiates the audio adjustment mode.
- Pressing the * key on the remote initiates the audio adjustment mode.
- Fader is selected to the initial item.
- Continuous holding of a remote control key is inhibited.
- Bass, Middle and Treble are adjusted in 3 steps of -8/0/+8 with the Track Up/Down keys.
- Balance is adjusted in 3 steps of L15/0/R15 with the Track Up/Down keys.
- Fader is adjusted in 3 steps of F15/0/R15 with the Track Up/Down keys.
- Volume Offset is adjusted in 2 steps of -8/0 with the Track Up/Down keys.

9. Menu-related specifications

- A short press of the MENU key initiates the Menu mode. Except, tape source is usually press and hold 1 second to enter the menu mode and short press initiates turn over.
- Pressing the DNPP/SBF key on the remote initiates the Menu mode.
- Continuous holding of a remote control key is inhibited.
- Contrast is adjusted in 3 steps of 0/5/10(5x7dot), 0/4/7 (14seg) with the Track Up/Down keys.

10. Backup current measurement

- When the unit is reset while ACC is OFF (i.e. by turning Back-Up ON), the MUTE terminal goes OFF in 2 seconds instead of 15 seconds.

TEST MODE

11. Special display when the display is All ON

Pressing the Preset keys while the power is All OFF displays the following information.

[14seg 8 digits]

1key	Version display(8 digits, Month/Day/Hour/Minute) (Display)xxxxxxxx
2key	
3key	Short press: View power ON time.(The All OFF period is not counted.) Long press/hold: Clear power ON time. (Display)PONxxxxx Max. 65535 (hours)
4key	Short press: Display TAPE operation time. Long press/hold: Clear TAPE operation time. (Display)TPTxxxxx Max. 65535 (hours)
5key	Short press: Display TAPE ejection count. Long press/hold: Clear TAPE ejection count. (Display)EJCxxxxx Max. 65535 (times)
6key	Short press: Display Panel open/close count. Long press/hold: Clear Panel open/close count. (Display)PCxxxxx Max. 655359 (times)
FM key	Display ROM colection version (Display)ROM Rxxx Invalid :ROM R-

[15x7dot 12 digits]

1key	Version display(8 digits, Month/Day/Hour/Minute) (Display)SYS_xxxxxxxxx
2key	
3key	Short press: View power ON time.(The All OFF period is not counted.) Long press/hold: Clear power ON time. (Display)PonTim_xxxxxx Max. 65535 (hours)
4key	Short press: Display TAPE operation time. Long press/hold: Clear TAPE operation time. (Display)TPTim_xxxxxx Max. 65535 (hours)
5key	Short press: Display TAPE ejection count. Long press/hold: Clear TAPE ejection count. (Display)EjeCnt_xxxxxx Max. 65535(times)
6key	Short press: Display Panel open/close count. Long press/hold: Clear Panel open/close count. (Display)PnCnt_xxxxxx Max. 655359 (times)
FM key	Display ROM colection version (Display)ROM Rxxx Invalid :ROM R-

12. Other specifications

- The line mute against times are 1 second from 10 seconds when starting the test mode.

■ Security

• Forced Power ON mode (All models)

Even when the security is approved, resetting the unit while holding the Q and 4 keys makes it possible to turn the power ON for 30 minutes. After 30 minutes have elapsed, it is not possible to return to the previous condition unless the unit is reset again.

• Method of registration of the security code after EEPROM (F/E) replacement (Code security model)

- Enter the test mode. (See How to enter the test mode)
 - Press the MENU key to enter the MENU.
 - When the message "Security" is displayed, press and hold the Track Up/Down key for 1second to enter the Security registration mode.
 - Enter the code using the FM /AM /Track Down keys.
 - FM key : Number up
 - AM key : Number down
 - Track Up key:Cursor right shift
 - Track Down key :Cursor left shift
 - Hold down the Track Up key for at least 3 seconds and the message, "RE-ENTER" appears, so once again enter the code according to Step 4 above.
 - Press and hold the Track Up key for 3 seconds until "AP-PROVED" is displayed.
 - Exit from the test mode. (See 2 How to exit from the test mode)
- (Note) All Clear is not applicable to the security code of this model.

• Simplified method of clearing the security code

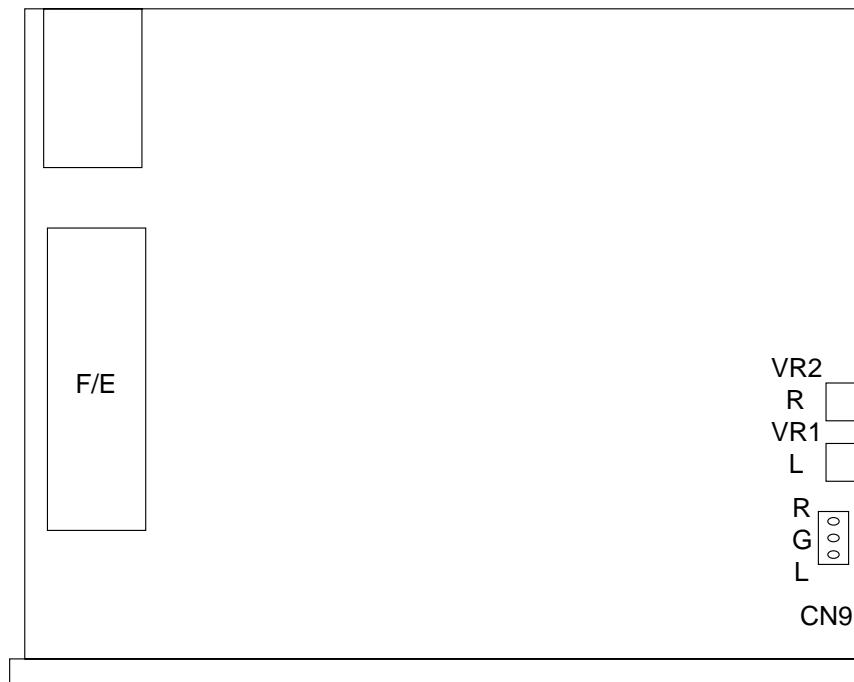
- While the code entry is requested, press and hold the Track Up key for 3 seconds while holding the AUTO key pressed. (---will disappear.)
- Enter "KCAR" from the remote.
 - Press the 5 key on the remote twice, then press the Track Up key. (This enters "K")
 - Press the 2 key on the remote 3 times, then press the Track Up key. (This enters "C")
 - Press the 2 key on the remote once, then press the Track Up key. (This enters "A")
 - Press the 7 key on the remote twice, then press the Track Up key. (This enters "R")
- Security function is canceled and the unit enters the All OFF mode.
- If you commit a mistake in the code entry, the unit enters the code request mode.

ADJUSTMENT

Set the controls and switches as follows.

BALANCE :center position BASS :center position LOUD :OFF DOLBY NR :OFF
 FADER :center position TREBLE :center position

No	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER (RECEIVER) SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
CASSETTE DECK SECTION							
[1]	AZIMUTH	TCC-153 10kHz	Connect an AC voltmeter to SP OUT	TAPE PLAY	Head Azimuth Screw	Adjust the azimuth for each Lch/Rch or FWD/RVS becomes maximum	
[2]	PLAY BACK LEVE	TCC-130	Connect an AC voltmeter to CN9 (X14)	TAPE PLAY	VR1 (L) VR2 (R) (X14)	388mV	(a)



FRONT PANEL

A

B

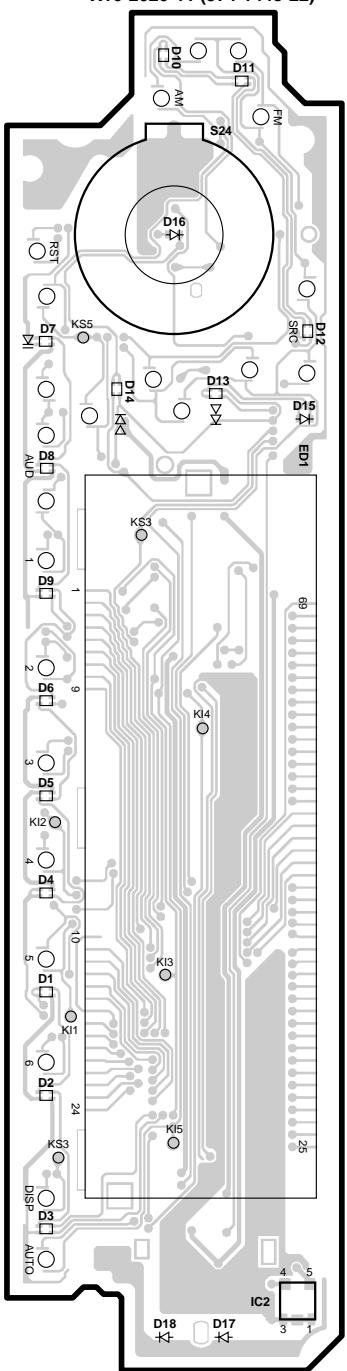
C

D

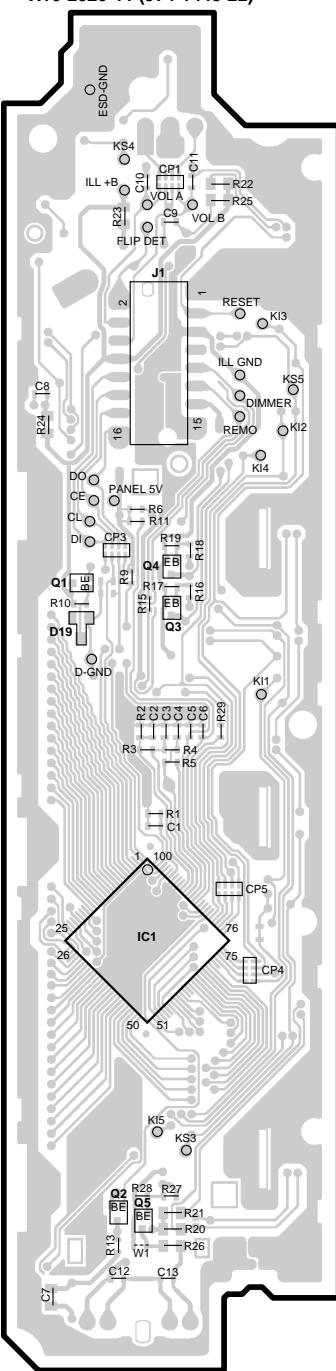
E

PC BOARD (COMPONENT SIDE VIEW) (FOIL SIDE VIEW)

X16-2020-11 (J74-1448-22)



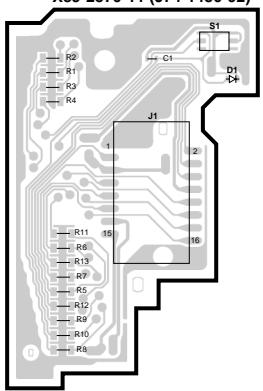
X16-2020-11 (J74-1448-22)



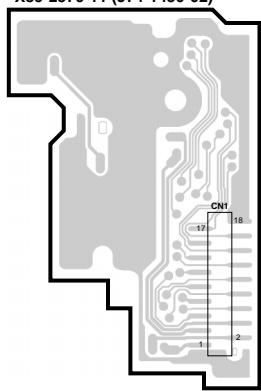
X16-2020-11

Ref. No	address
IC1	4C
IC2	6B
Q1	3C
Q2	5C
Q3	3D
Q4	3D

X89-2570-11 (J74-1450-02)



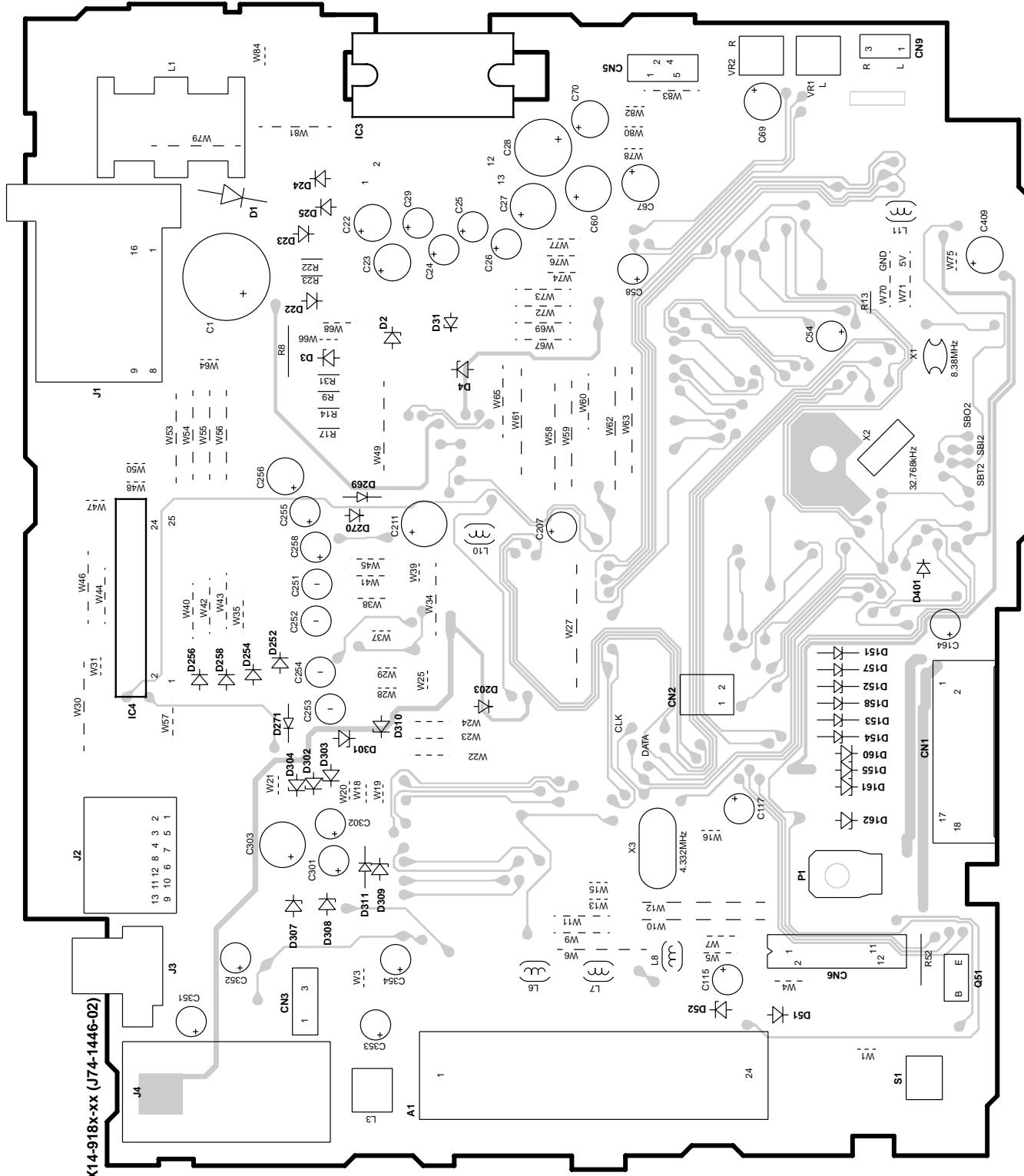
X89-2570-11 (J74-1450-02)



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

KRC-694/Y
KRC-766

PC BOARD (COMPONENT SIDE VIEW)



X14-918x-xx (J74-1446-02)

X14-918x-xx	
Ref. No	address
IC3	2H
IC4	4F
Q51	5J

K

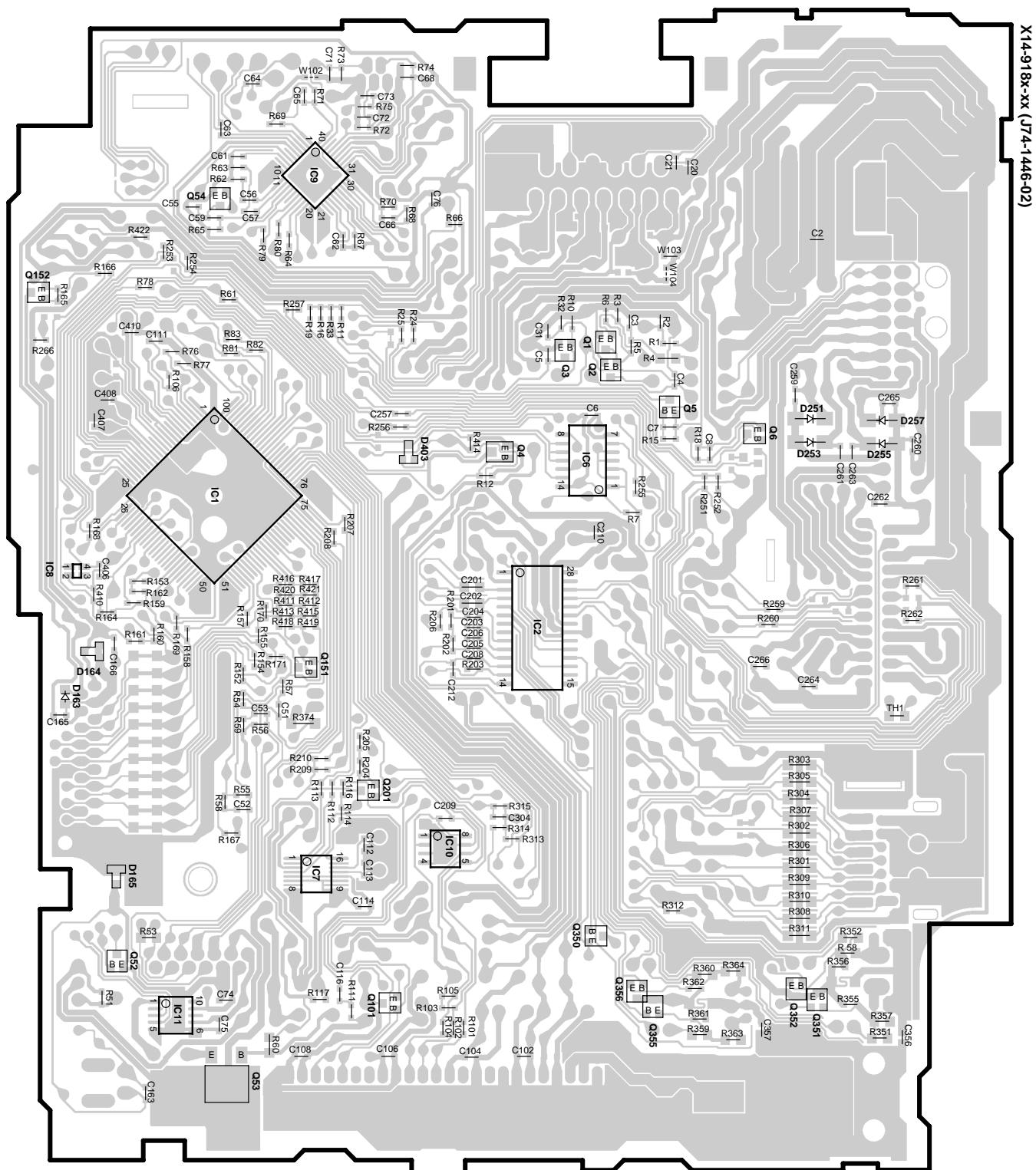
L

M

N

KRC-694/Y
KRC-766

PC BOARD (FOIL SIDE VIEW)



X14-918x-xx

Ref. No	address								
IC1	3L	IC9	2L	Q4	3M	Q54	2K	Q350	5M
IC2	4M	IC11	6K	Q5	3N	Q101	6L	Q351	6N
IC6	3M	Q1	3M	Q6	3N	Q151	4L	Q352	6N
IC7	5L	Q2	3M	Q52	5K	Q152	2K	Q355	6N
IC8	4K	Q3	3M	Q53	6L	Q201	5L	Q356	5M

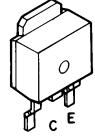
Refer to the schematic diagram for the values of resistors and capacitors.

A B C D E
KRC-694/Y
KRC-766

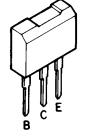
DTC143TUA
UN5114
UN5211
UN5216
2SA1036K
2SA1576A



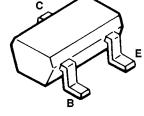
2SC5103



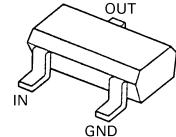
2SB1443



2SC4081



DTA114EUA
DTA124EUA
DTC114EUA
DTC124EUA



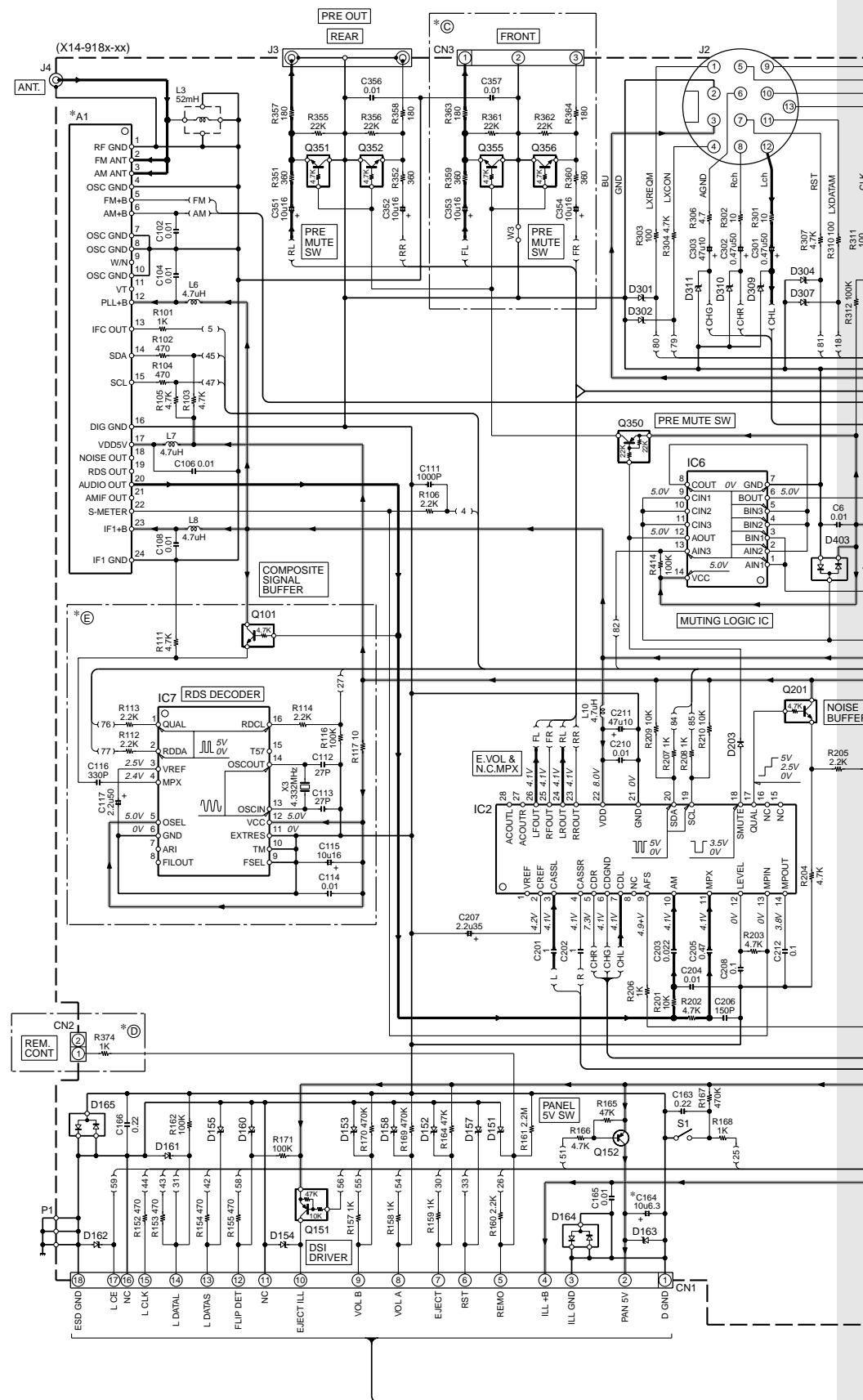
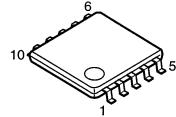
DA204U
DTA114YUA

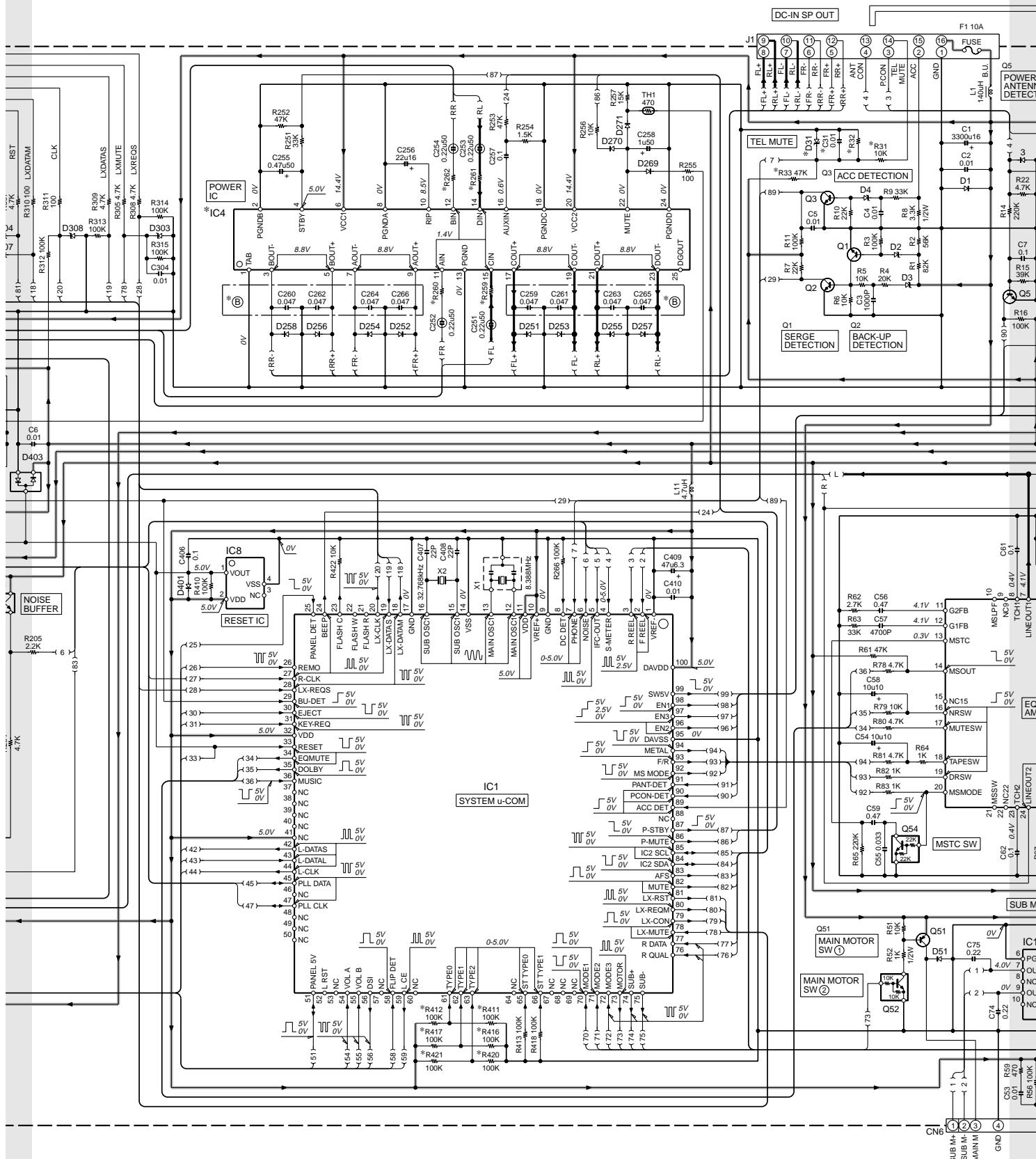


UN5212



LB1930M



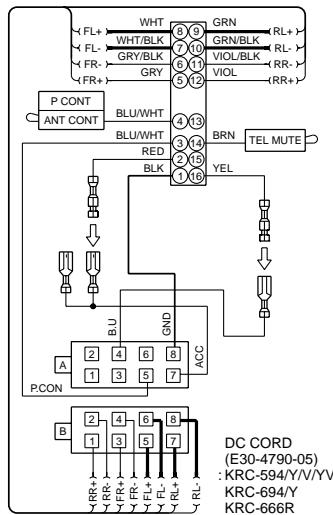
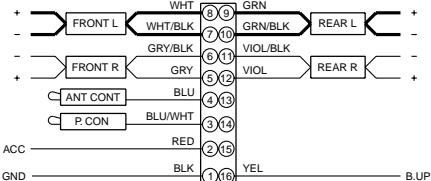
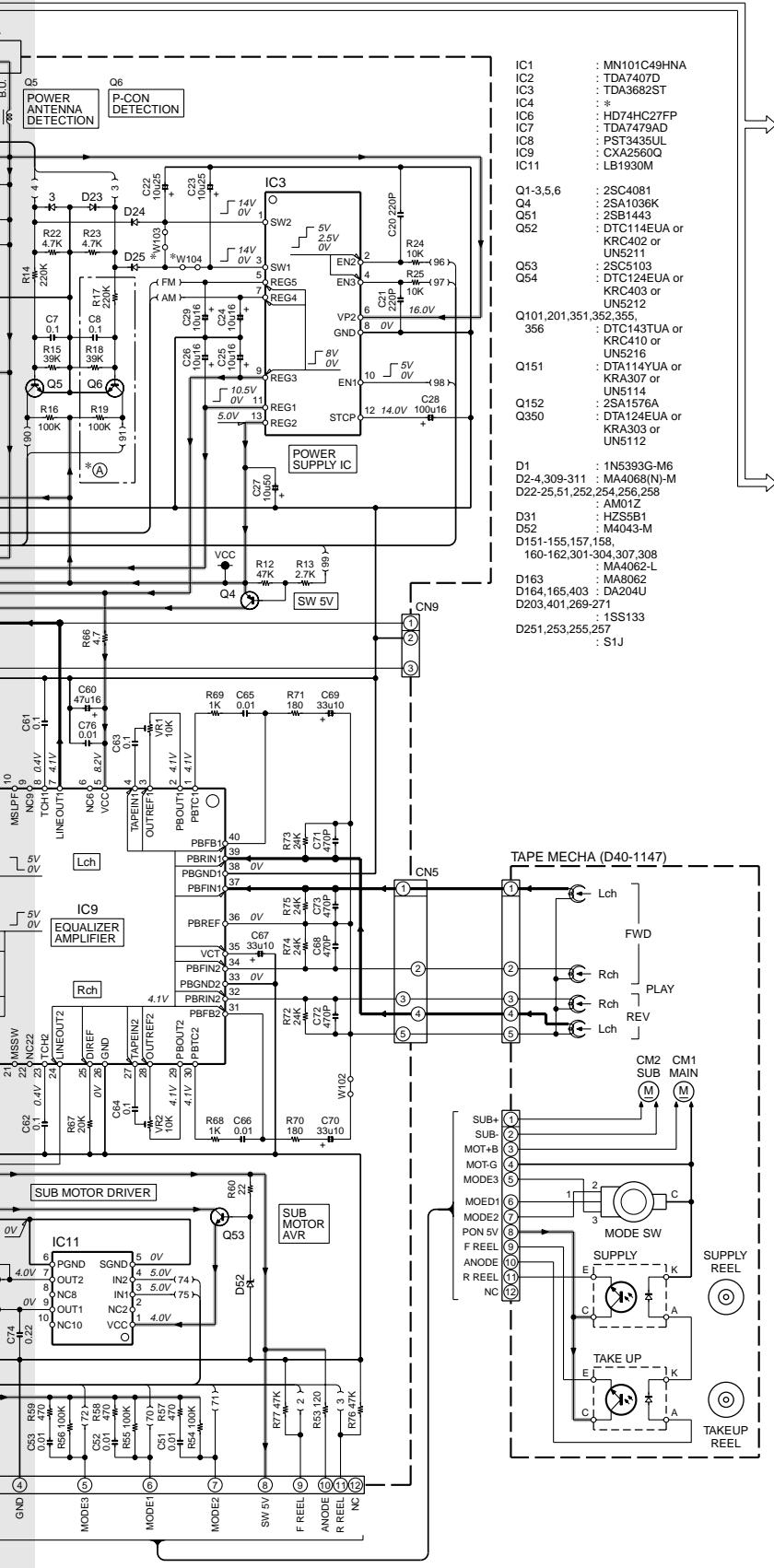


CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

△ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

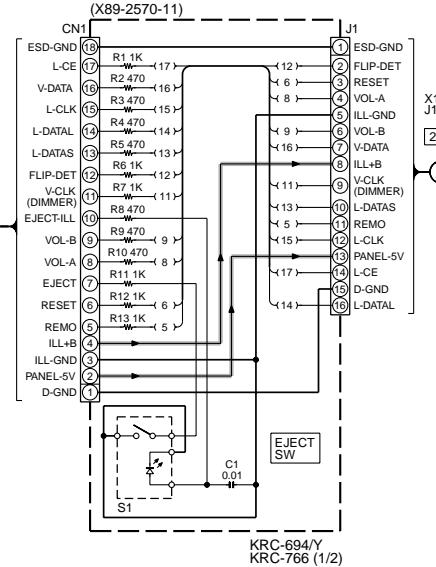
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KRC-694/Y KRC-766



MODEL NAME	UNIT No.	(A)	(B)	(C)	(D)	(E)	A1	C31	C164	D31
KRC-694	2-70	NO	YES	NO	YES	NO	X86-3722-70	YES	NO	YES
KRC-694Y	2-71	NO	YES	NO	YES	NO	X86-3722-70	YES	YES	YES
KRC-594/Y	0-21	YES	NO	YES	NO	NO	X86-3722-11	NO	NO	NO
KRC-766	0-22	NO	NO	NO	YES	NO	X86-3722-70	YES	YES	YES
KRC-666R	0-23	YES	NO	NO	NO	NO	X86-3722-11	NO	YES	NO
KRC-666G	0-23	YES	NO	NO	NO	NO	X86-3722-11	NO	YES	NO

UNIT No.	R31-33	R32-262	R259-262	R411	R412	R416	R417	R420	R421	IC4	W103	W104
2-70	YES	226	10K	YES	NO	YES	NO	YES	NO	TA8263BH	YES	NO
2-71	YES	226	10K	YES	NO	NO	NO	YES	NO	TA8263BH	YES	NO
0-21	NO	100K	22K	YES	NO	YES	NO	YES	NO	TA8273H	NO	YES
0-22	YES	22K	22K	YES	NO	NO	YES	YES	NO	TA8273H	YES	NO
0-23	NO	100K	22K	NO	YES	NO	YES	YES	NO	TA8273H	NO	YES



1

SWICTH UNIT (X16-2020-11)

2

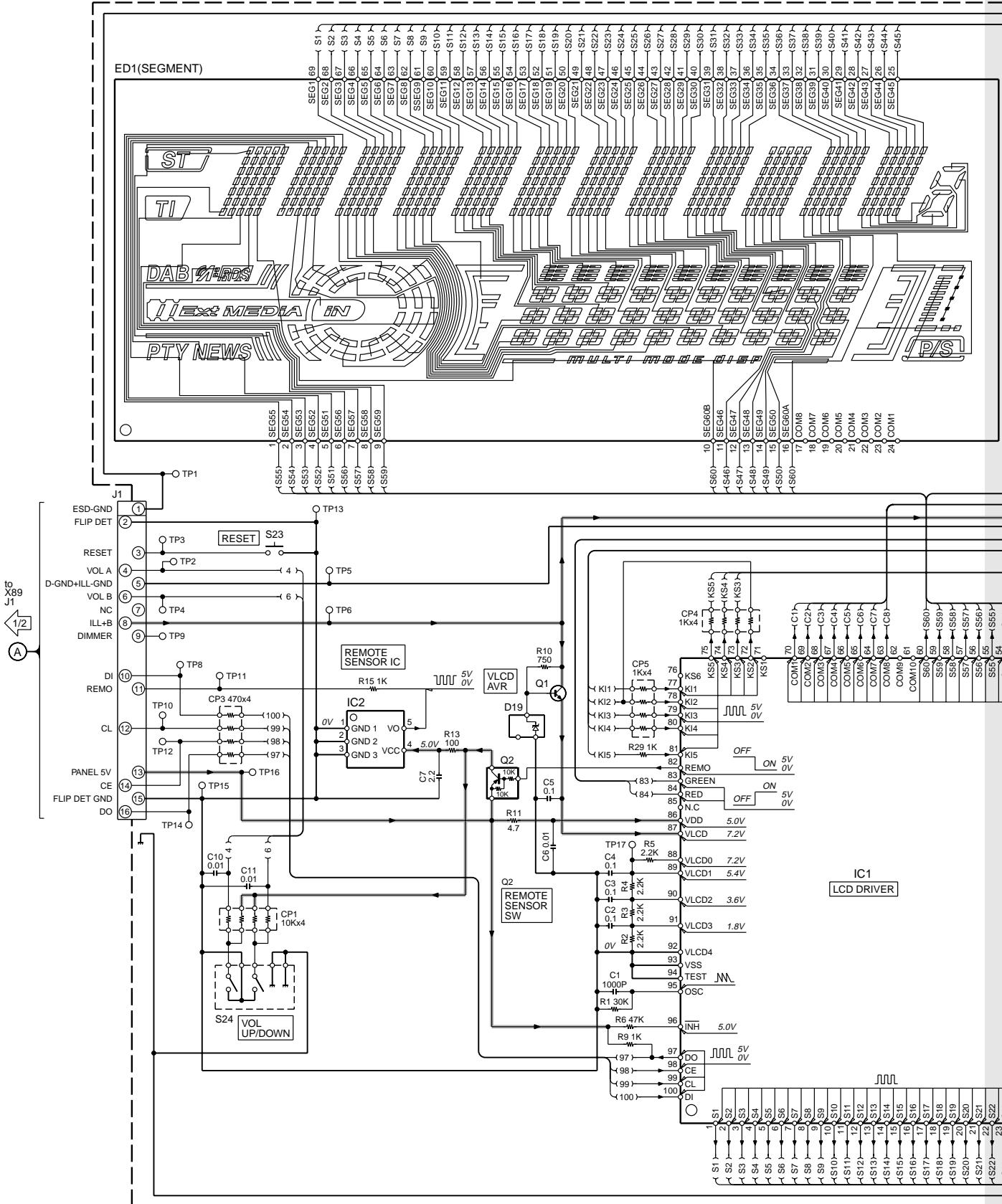
3

4

5

6

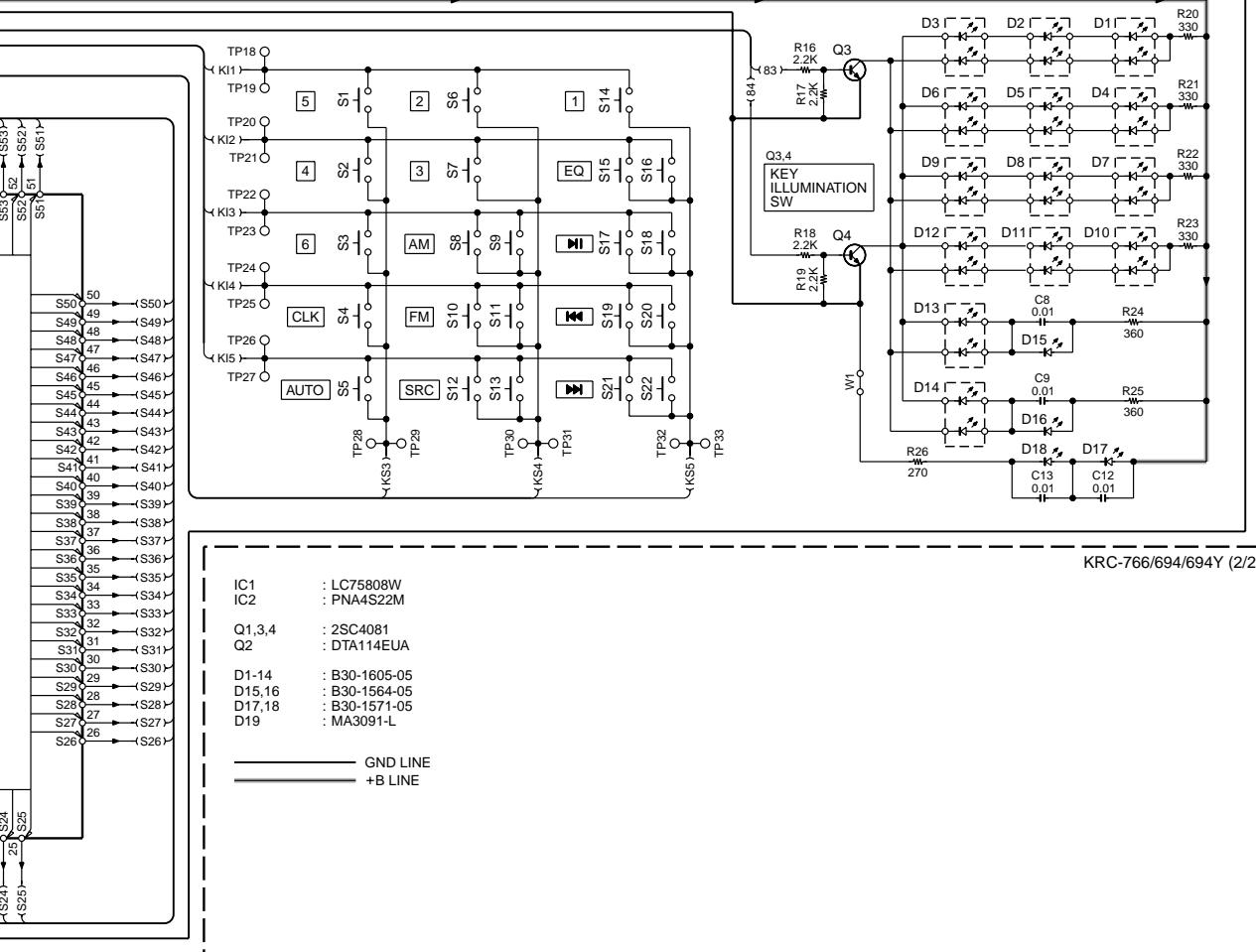
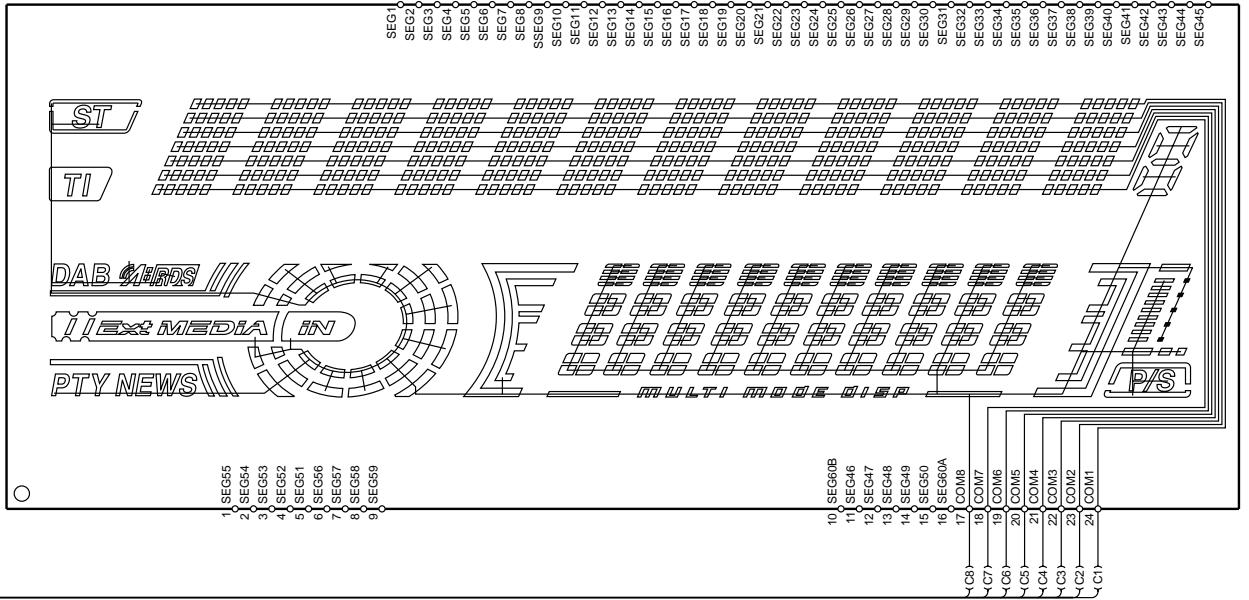
7



KRC-694/Y

KRC-766

ED1(COMMON)



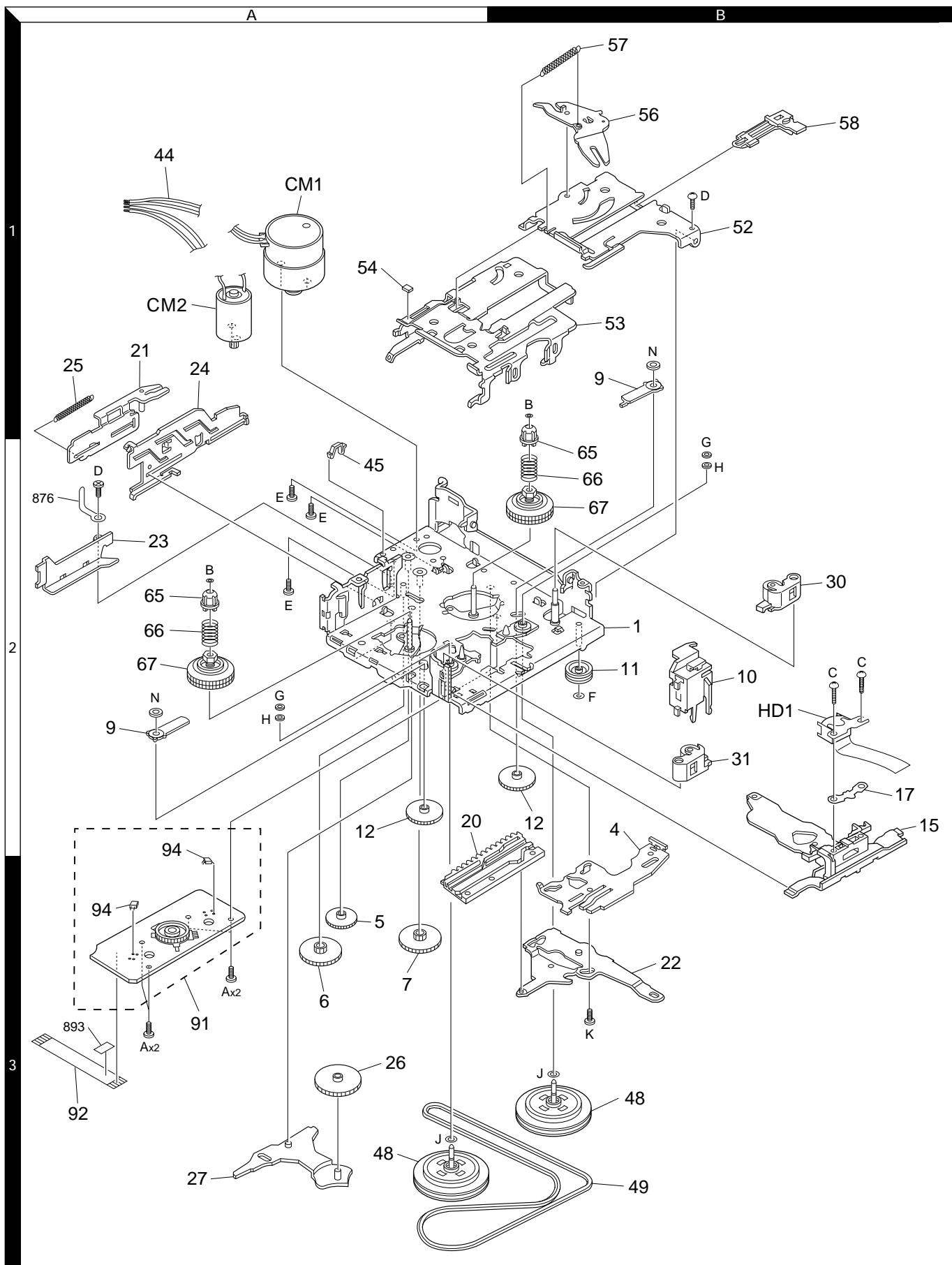
KRC-766/694/694Y (2/2)

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

△ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

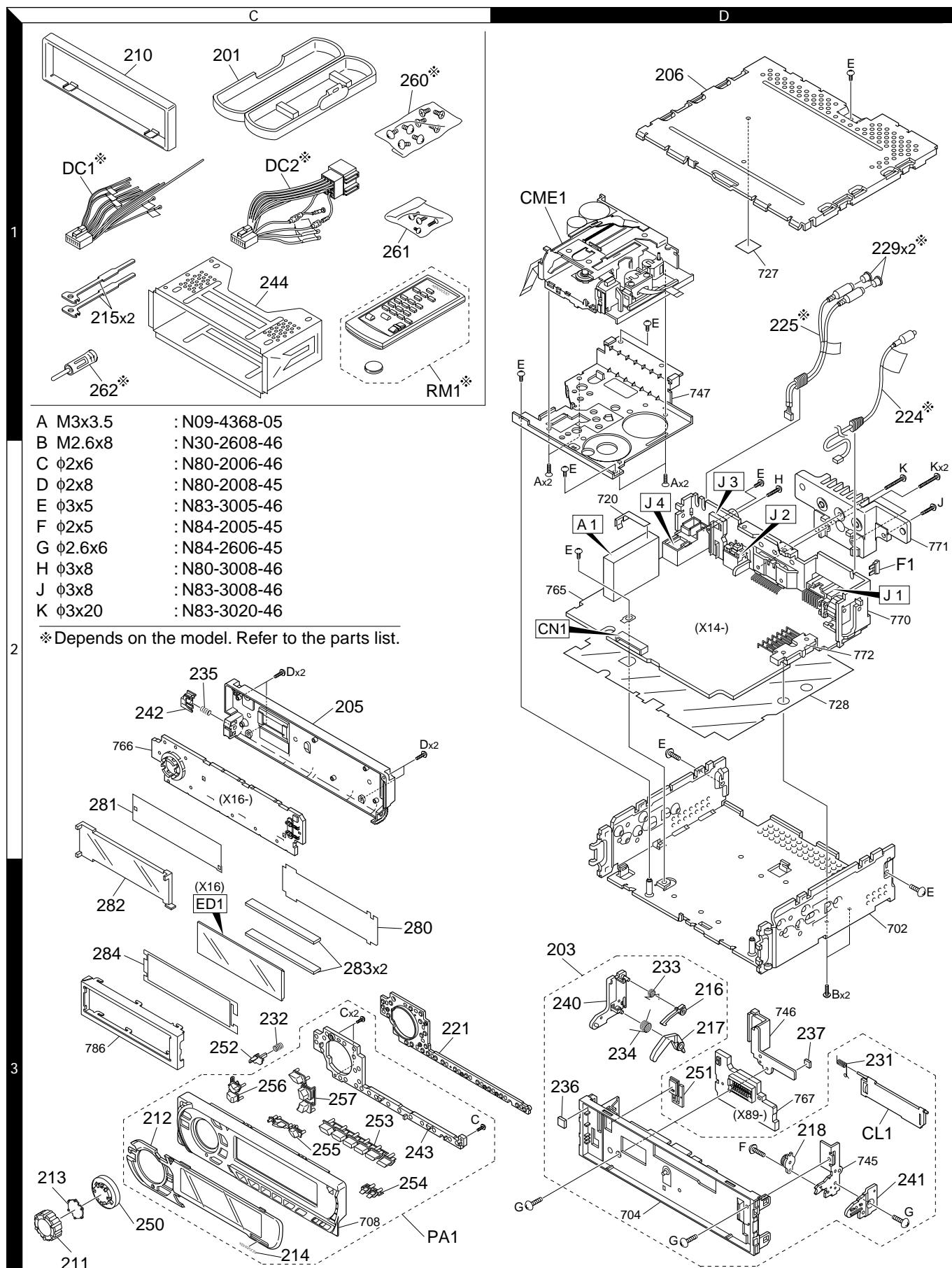
• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

EXPLODED VIEW (MECHANISM)



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

EXPLODED VIEW (UNIT)



PARTS LIST

* New Parts

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

Ref. No.	A d d	N e w	Parts No.	Description	Dest inati on	Ref. No.	A d d	N e w	Parts No.	Description	Dest inati on							
KRC-694/694Y/766																		
201	1C	*	A02-1486-13	PLASTIC CABINET ASSY		243	3C	*	J19-5206-02	HOLDER								
203	3D	*	A22-2984-02	SUB PANEL ASSY		244	1C	*	J22-0011-03	MOUNTING HARDWARE ASSY								
205	2C		A46-1778-01	REAR COVER		250	3C	*	K23-1072-13	KNOB (VOL)								
206	1D	*	A52-0830-02	TOP PLATE		251	3D		K24-4000-03	KNOB (EJECT)								
CL1	3D	*	A53-1712-03	CASSETTE LID		252	3C		K24-4002-04	KNOB (OPEN)								
PA1	3C	*	A64-2844-02	PANEL ASSY	M1	253	3C		K25-1521-03	KNOB (1-6)								
PA1	3C	*	A64-2847-02	PANEL ASSY	EE1	254	3C		K25-1522-04	KNOB (DISP)								
RM1	1C		A70-2025-05	REMOTE CONTROLLER ASSY(RC-410)	M1	255	3C		K25-1523-03	KNOB (PRO)								
-			B46-0100-50	WARRANTY CARD	M1E	256	3C		K25-1524-03	KNOB (FM/AM)								
-		*	B46-0612-14	ID CARD		257	3C		K25-1525-03	KNOB (SRC)								
-		*	B64-2526-00	INSTRUCTION MANUAL(ENG.T-CHI.)	M1	260	1C		N99-1719-05	SCREW SET	M1							
-		*	B64-2527-00	INSTRUCTION MANUAL(ARABIC)	M1	261	1C		N99-1730-15	SCREW SET								
-		*	B64-2528-00	INSTRUCTI.MANUAL(ENG.FRE.GER.)	E	A	2D		N09-4368-05	MACHINE SCREW								
-		*	B64-2529-00	INSTR.MANUAL(DUT.ITA.SPA.POR.)	E	B	3D		N30-2608-46	PAN HEAD MACHINE SCREW								
-		*	B64-2530-00	INSTRUCTI.MANUAL(ENG.RUS.POL.)	E1	C	3C		N80-2006-46	PAN HEAD TAPPIE SCREW								
-		*	B64-2531-00	INSTR.MANUAL(CZE.HUN.CRO.SLO.)	E1	D	2C		N80-2008-45	PAN HEAD TAPPIE SCREW								
210	1C		B07-3022-02	ESCUTCHEON		E	2D		N83-3005-46	PAN HEAD TAPPIE SCREW								
211	3C		B09-0529-03	CAP (VOL)		F	3D		N84-2005-45	PAN HEAD TAPPIE SCREW								
212	3C	*	B10-4319-01	FRONT GLASS	M1	G	3D		N84-2606-45	PAN HEAD TAPPIE SCREW								
212	3C	*	B10-4322-01	FRONT GLASS	EE1	262	1C		T90-0523-05	ANTENNA ADAPTOR	EE1							
213	3C		B19-2200-04	LIGHTING BOARD (VOL)		SYNTHESIZER UNIT (X14-918x-xx)												
214	3C		B43-1284-04	BADGE		C1			C90-5242-05	ELECTRO	3300UF	16VV						
215	1C		D10-4589-04	LEVER		C2			CK73GB1H103K	CHIP C	0.010UF	K						
216	3D	*	D10-4730-03	LEVER		C3			CK73GB1H102K	CHIP C	1000PF	K						
217	3D	*	D10-4731-03	LEVER		C4 -6			CK73GB1H103K	CHIP C	0.010UF	K						
218	3D		D39-0255-05	DAMPER		C7			CK73GB1H104K	CHIP C	0.10UF	K						
CME1	1D		D40-1147-05	CASSETTE MECHANISM ASSY		C7 ,8			CE04CW1C104K	CHIP C	0.10UF	K						
221	3C		E29-1927-02	CONDUCTIVE RUBBER		C20 ,21			CC73GCH1H221J	CHIP C	220PF	J						
224	1D		E30-6224-15	CORD WITH CONNECTOR	EE1	C22 ,23			CE04CW1E100M	ELECTRO	10UF	25VV						
225	1D		E30-6229-05	CORD WITH PINPLUG	M1	C24 -26			C90-2597-05	ELECTRO	10UF	16VV						
DC1	1C		E30-4784-05	DC CORD	M1	C27			CE04CW1H100M	ELECTRO	10UF	50VV						
DC2	1C		E30-4790-05	DC CORD (ISO)	EE1	C28			CE04CW1C101M	ELECTRO	100UF	16VV						
229	1D		F29-0626-04	INSULATING COVER	M1	C29			C90-2597-05	ELECTRO	10UF	16VV						
F1	2D		F52-0006-05	FUSE(MINI BLADE TYPE)10A		C31			CK73GB1H103K	CHIP C	0.010UF	K						
231	3D	*	G01-2525-04	TORSION COIL SPRING		C51 -53			CK73GB1H103K	CHIP C	0.010UF	K						
232	3C	*	G01-3203-04	COMPRESSION SPRING		C54			C90-2594-05	ELECTRO	10UF	10VV						
233	3D		G01-3171-04	TORSION COIL SPRING		C55			CK73GB1E333K	CHIP C	0.033UF	K						
234	3D		G01-3172-04	TORSION COIL SPRING		C56			CK73GB1A474K	CHIP C	0.47UF	K						
235	2C		G01-3173-04	COMPRESSION SPRING		C57			CK73GB1H472K	CHIP C	4700PF	K						
236	3D	*	G13-1267-04	CUSHION		C58			C90-2594-05	ELECTRO	10UF	10VV						
237	3D	*	G13-1268-04	CUSHION		C59			CK73GB1A474K	CHIP C	0.47UF	K						
-			H10-4856-12	POLYSTYRENE FOAMED FIXTURE	M1E1	C60			CE04CW1C470M	ELECTRO	47UF	16VV						
-			H25-0329-04	PROTECTION BAG (280X450X0.03)		C61 -64			CK73GB1C104K	CHIP C	0.10UF	K						
-			H25-0337-04	PROTECTION BAG (180X300X0.03)		C65 ,66			CK73GB1H103K	CHIP C	0.010UF	K						
-			H25-1111-04	PROTECTION BAG (280X450X0.03)		C67			CE04CW1A330M	ELECTRO	33UF	10VV						
-		*	H54-2802-03	ITEM CARTON CASE	E	C68			CC73GCH1H471J	CHIP C	470PF	J						
-		*	H54-2806-03	ITEM CARTON CASE	M1	C69 ,70			CE04CW1A330M	ELECTRO	33UF	10VV						
-		*	H54-2809-03	ITEM CARTON CASE	E1	C71 -73			CC73GCH1H471J	CHIP C	470PF	J						
240	3D	*	J19-5203-03	HOLDER		C74 ,75			CK73GB1A224K	CHIP C	0.22UF	K						
241	3D	*	J19-5204-03	HOLDER		C76			CK73GB1H103K	CHIP C	0.010UF	K						
242	2C	*	J19-5205-03	HOLDER		C102			CK73GB1H103K	CHIP C	0.010UF	K						
C104						C106			CK73GB1H103K	CHIP C	0.010UF	K						

PARTS LIST

* New Parts

Parts without **Parts No.** are not supplied.

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

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

SYNTHESIZER UNIT (X14-918x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Dest inati on	Ref. No.	A d d	N e w	Parts No.	Description	Dest inati on
C108			CK73GB1H103K	CHIP C 0.010UF K		E	2D		N83-3005-46	PAN HEAD TAPITITE SCREW	
C111			CK73GB1H102K	CHIP C 1000PF K		H	2D		N80-3008-46	PAN HEAD TAPITITE SCREW	
C112,113			CC73GCH1H270J	CHIP C 27PF J	EE1	J	2D		N83-3008-46	PAN HEAD TAPITITE SCREW	
C114			CK73GB1H103K	CHIP C 0.010UF K	EE1	K	2D		N83-3020-46	PAN HEAD TAPITITE SCREW	
C115			C90-2597-05	ELECTRO 10UF 16WV	EE1	R1			RK73GB2A823J	CHIP R 82K	J 1/10W
C116			CC73GCH1H331J	CHIP C 330PF J	EE1	R2			RK73GB2A563J	CHIP R 56K	J 1/10W
C117			C90-2600-05	ELECTRO 2.2UF 35WV	EE1	R3			RK73GB2A104J	CHIP R 100K	J 1/10W
C163			CK73GB1A224K	CHIP C 0.22UF K		R4			RK73FB2B203J	CHIP R 20K	J 1/8W
C165			CK73GB1H103K	CHIP C 0.010UF K		R5 ,6			RK73GB2A103J	CHIP R 10K	J 1/10W
C166			CK73GB1A224K	CHIP C 0.22UF K		R7			RK73GB2A223J	CHIP R 22K	J 1/10W
C201,202			CK73FB1C105K	CHIP C 1.0UF K		R8			RD14DB2H332J	SMALL-RD 3.3K	J 1/2W
C203			CK73GB1H223K	CHIP C 0.022UF K		R9			RD14BB2C333J	RD 33K	J 1/6W
C204			CK73GB1H103K	CHIP C 0.010UF K		R10			RK73GB2A223J	CHIP R 22K	J 1/10W
C205			CK73GB1A474K	CHIP C 0.47UF K		R11			RK73GB2A104J	CHIP R 100K	J 1/10W
C206			CC73GCH1H151J	CHIP C 150PF J		R12			RK73GB2A473J	CHIP R 47K	J 1/10W
C207			C90-2600-05	ELECTRO 2.2UF 35WV		R13			RD14BB2C272J	RD 2.7K	J 1/6W
C208			CK73GB1C104K	CHIP C 0.10UF K		R14			RD14BB2C224J	RD 220K	J 1/6W
C210			CK73GB1H103K	CHIP C 0.010UF K		R15			RK73GB2A393J	CHIP R 39K	J 1/10W
C211			CE04CW1A470M	ELECTRO 47UF 10WV		R16			RK73GB2A104J	CHIP R 100K	J 1/10W
C212			CK73GB1C104K	CHIP C 0.10UF K		R17			RD14BB2C224J	RD 220K	J 1/6W
C251-254			C90-5296-05	NP-ELECT 0.22UF 50WV		R18			RK73GB2A393J	CHIP R 39K	J 1/10W
C255			C90-2606-05	ELECTRO 0.47UF 50WV		R19			RK73GB2A104J	CHIP R 100K	J 1/10W
C256			CE04CW1C220M	ELECTRO 22UF 16WV		R22 ,23			RD14BB2C472J	RD 4.7K	J 1/6W
C257			CK73GB1C104K	CHIP C 0.10UF K		R24 ,25			RK73GB2A103J	CHIP R 10K	J 1/10W
C258			C90-2608-05	ELECTRO 1.0UF 50WV		R31			RD14BB2C103J	RD 10K	J 1/6W
C259-266			CK73GB1E473K	CHIP C 0.047UF K	EE1	R32			RK73GB2A104J	CHIP R 100K	J 1/10W
C301,302			C90-2606-05	ELECTRO 0.47UF 50WV		R32			RK73GB2A223J	CHIP R 22K	J 1/10W
C303			CE04CW1A470M	ELECTRO 47UF 10WV		R33			RK73GB2A473J	CHIP R 47K	J 1/10W
C304			CK73GB1H103K	CHIP C 0.010UF K		R51			RK73GB2A103J	CHIP R 10K	J 1/10W
C351-354			C90-2597-05	ELECTRO 10UF 16WV	M1	R52			RD14DB2H102J	SMALL-RD 1.0K	J 1/2W
C352			CK73GB1H103K	CHIP C 0.010UF K	EE1	R53			RK73FB2B121J	CHIP R 120	J 1/8W
C356,357			CK73GB1H103K	CHIP C 0.010UF K	M1	R54 -56			RK73GB2A104J	CHIP R 100K	J 1/10W
C406			CK73GB1C104K	CHIP C 0.10UF K		R57 -59			RK73GB2A471J	CHIP R 470	J 1/10W
C407,408			CC73GCH1H220J	CHIP C 22PF J		R60			RK73FB2B220J	CHIP R 22	J 1/8W
C409			CE04CW0J470M	ELECTRO 47UF 6.3WV		R61			RK73GB2A473J	CHIP R 47K	J 1/10W
C410			CK73GB1H103K	CHIP C 0.010UF K		R62			RK73GB2A272J	CHIP R 2.7K	J 1/10W
CN1			E41-0167-05	PIN ASSY		R63			RK73GB2A333J	CHIP R 33K	J 1/10W
CN2			E40-3260-05	PIN ASSY		R64			RK73GB2A102J	CHIP R 1.0K	J 1/10W
CN3			E40-3238-05	PIN ASSY		R65			RK73GB2A224J	CHIP R 220K	J 1/10W
CN5			E40-9159-05	FLAT CABLE CONNECTOR		R66			RK73GB2A4R7J	CHIP R 4.7	J 1/10W
CN6			E40-5036-05	FLAT CABLE CONNECTOR		R67			RK73GB2A203J	CHIP R 20K	J 1/10W
CN9			E40-9184-05	PIN ASSY		R68 ,69			RK73GB2A102J	CHIP R 1.0K	J 1/10W
J1			E58-0863-15	RECTANGULAR RECEPTACLE		R70 ,71			RK73GB2A181J	CHIP R 180	J 1/10W
J2			E56-0834-05	CYLINDRICAL RECEPTACLE		R72 -75			RK73GB2A243J	CHIP R 24K	J 1/10W
J3			E63-0887-05	PIN JACK		R76 ,77			RK73GB2A473J	CHIP R 47K	J 1/10W
J4			E04-0312-05	RF COAXIAL CABLE RECEPTACLE		R78			RK73GB2A472J	CHIP R 4.7K	J 1/10W
L1			L33-1063-15	CHOKE COIL		R79			RK73GB2A103J	CHIP R 10K	J 1/10W
L3			L33-1123-05	LINE FILTER COIL		R80 ,81			RK73GB2A472J	CHIP R 4.7K	J 1/10W
L6 -8			L40-4795-91	SMALL FIXED INDUCTOR(4.7UH,J)		R82 ,83			RK73GB2A102J	CHIP R 1.0K	J 1/10W
L10 ,11			L40-4795-91	SMALL FIXED INDUCTOR(4.7UH,J)		R101			RK73GB2A102J	CHIP R 1.0K	J 1/10W
X1	*		L78-0878-05	RESONATOR (8.388MHZ)		R102			RK73GB2A471J	CHIP R 470	J 1/10W
X2			L77-2793-05	CRYSTAL RESONATOR		R103			RK73GB2A472J	CHIP R 4.7K	J 1/10W
X3			L77-2002-05	CRYSTAL RESONATOR	EE1	R104			RK73GB2A471J	CHIP R 470	J 1/10W
						R105			RK73GB2A472J	CHIP R 4.7K	J 1/10W

PARTS LIST

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SYNTHESIZER UNIT (X14-918x-xx)

Ref. No.	A d d	N e w	Parts No.	Description			Dest inati on	Ref. No.	A d d	N e w	Parts No.	Description	Dest inati on
R106			RK73GB2A222J	CHIP R	2.2K	J 1/10W	EE1	S1			S74-0821-05	MICRO SWITCH	
R111			RK73GB2A472J	CHIP R	4.7K	J 1/10W	EE1	D1			1N5393G-M6	DIODE	
R112-114			RK73GB2A222J	CHIP R	2.2K	J 1/10W	EE1	D2 -4			MA4068(N)-M	ZENER DIODE	
R116			RK73GB2A104J	CHIP R	100K	J 1/10W	EE1	D22 -25			AM01Z	DIODE	
R117			RK73GB2A100J	CHIP R	10	J 1/10W	EE1	D31			HZS5B1	ZENER DIODE	
R152-155			RK73GB2A471J	CHIP R	470	J 1/10W		D51			AM01Z	DIODE	
R157-159			RK73GB2A102J	CHIP R	1.0K	J 1/10W		D52	*		MA4043-M	ZENER DIODE	
R160			RK73GB2A222J	CHIP R	2.2K	J 1/10W		D151-155			MA4062-L	ZENER DIODE	
R161			RK73GB2A225J	CHIP R	2.2M	J 1/10W		D157,158			MA4062-L	ZENER DIODE	
R162			RK73GB2A104J	CHIP R	100K	J 1/10W		D160-162			MA4062-L	ZENER DIODE	
R164,165			RK73GB2A473J	CHIP R	47K	J 1/10W		D163			MA8062	ZENER DIODE	
R166			RK73GB2A472J	CHIP R	4.7K	J 1/10W		D164,165			DA204U	DIODE	
R167			RK73GB2A474J	CHIP R	470K	J 1/10W		D203			1SS133	DIODE	
R168			RK73GB2A102J	CHIP R	1.0K	J 1/10W		D251			S1J	DIODE	
R169,170			RK73GB2A474J	CHIP R	470K	J 1/10W		D252			AM01Z	DIODE	
R171			RK73GB2A104J	CHIP R	100K	J 1/10W		D253			S1J	DIODE	
R201			RK73GB2A103J	CHIP R	10K	J 1/10W		D254			AM01Z	DIODE	
R202-204			RK73GB2A472J	CHIP R	4.7K	J 1/10W		D255			S1J	DIODE	
R205			RK73GB2A222J	CHIP R	2.2K	J 1/10W		D256			AM01Z	DIODE	
R206-208			RK73GB2A102J	CHIP R	1.0K	J 1/10W		D257			S1J	DIODE	
R209,210			RK73GB2A103J	CHIP R	10K	J 1/10W		D258			AM01Z	DIODE	
R251			RK73GB2A333J	CHIP R	33K	J 1/10W		D269-271			1SS133	DIODE	
R252,253			RK73GB2A473J	CHIP R	47K	J 1/10W		D301-304			MA4062-L	ZENER DIODE	
R254			RK73GB2A152J	CHIP R	1.5K	J 1/10W		D307,308			MA4062-L	ZENER DIODE	
R255			RK73GB2A101J	CHIP R	100	J 1/10W		D309-311			MA4068(N)-M	ZENER DIODE	
R256			RK73GB2A103J	CHIP R	10K	J 1/10W		D401			1SS133	DIODE	
R257			RK73GB2A153J	CHIP R	15K	J 1/10W		D403			DA204U	DIODE	
R259-262			RK73GB2A103J	CHIP R	10K	J 1/10W	EE1	M1			MN101C49HNA	MI-COM IC	
R259-262			RK73GB2A223J	CHIP R	22K	J 1/10W		IC1			TDA7407D	ANALOGUE IC	
R266			RK73GB2A104J	CHIP R	100K	J 1/10W		IC2			TDA3682ST	ANALOGUE IC	
R301,302			RK73EB2E100J	CHIP R	10	J 1/4W		IC3			TA8263BH	ANALOGUE IC	
R303			RK73EB2E101J	CHIP R	100	J 1/4W		IC4					EE1
R304,305			RK73EB2E472J	CHIP R	4.7K	J 1/4W		IC4			TA8273H	ANALOGUE IC	
R306			RK73EB2E4R7J	CHIP R	4.7	J 1/4W		IC6			HD74HC27FP	MOS-IC	M1
R307-309			RK73EB2E472J	CHIP R	4.7K	J 1/4W		IC7			TDA7479AD	ANALOGUE IC	EE1
R310,311			RK73EB2E101J	CHIP R	100	J 1/4W		IC8			PST3435UL	MOS-IC	
R312-315			RK73GB2A104J	CHIP R	100K	J 1/10W		IC9			CXA2560Q	ANALOGUE IC	
R351,352			RK73FB2B361J	CHIP R	360	J 1/8W		IC11			LB1930M	ANALOGUE IC	
R355,356			RK73GB2A223J	CHIP R	22K	J 1/10W		Q1 -3			2SC4081	TRANSISTOR	
R357,358			RK73FB2B181J	CHIP R	180	J 1/8W		Q4			2SA1036K	TRANSISTOR	
R359,360			RK73FB2B361J	CHIP R	360	J 1/8W	M1	Q5			2SC4081	TRANSISTOR	EE1
R361,362			RK73GB2A223J	CHIP R	22K	J 1/10W	M1	Q5 ,6			2SB1443	TRANSISTOR	
R363,364			RK73FB2B181J	CHIP R	180	J 1/8W	M1	Q51			DTC114EUA	DIGITAL TRANSISTOR	
R374			RK73EB2E102J	CHIP R	1.0K	J 1/4W	EE1	Q52			KRC402	DIGITAL TRANSISTOR	
R410,411			RK73GB2A104J	CHIP R	100K	J 1/10W		Q52			UN5211	DIGITAL TRANSISTOR	
R413,414			RK73GB2A104J	CHIP R	100K	J 1/10W		Q53			2SC5103	TRANSISTOR	
R416			RK73GB2A104J	CHIP R	100K	J 1/10W		Q54			DTC124EUA	DIGITAL TRANSISTOR	
R418			RK73GB2A104J	CHIP R	100K	J 1/10W		Q54			KRC403	DIGITAL TRANSISTOR	
R420			RK73GB2A104J	CHIP R	100K	J 1/10W	M1	Q54			UN5212	DIGITAL TRANSISTOR	
R421			RK73GB2A104J	CHIP R	100K	J 1/10W	EE1	Q101			DTC143TUA	DIGITAL TRANSISTOR	EE1
R422			RK73GB2A103J	CHIP R	10K	J 1/10W		Q101			KRC410	DIGITAL TRANSISTOR	EE1
VR1,2			R12-3100-05	TRIMMING POT.(10K)				Q101			UN5216	DIGITAL TRANSISTOR	
W102			R92-1252-05	CHIP R	0 OHM	J 1/16W	M1	Q151			DTA114YUA	DIGITAL TRANSISTOR	
W102,103			R92-1252-05	CHIP R	0 OHM	J 1/16W	EE1	Q151			KRA307	DIGITAL TRANSISTOR	
W104			R92-1252-05	CHIP R	0 OHM	J 1/16W	M1	Q151				DIGITAL TRANSISTOR	

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SYNTHESIZER UNIT (X14-918x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Dest inati on
Q151			UN5114	DIGITAL TRANSISTOR	
Q152			2SA1576A	TRANSISTOR	
Q201			DTC143TUA	DIGITAL TRANSISTOR	
Q201			KRC410	DIGITAL TRANSISTOR	
Q201			UN5216	DIGITAL TRANSISTOR	
Q350			DTA124EUA	DIGITAL TRANSISTOR	
Q350			KRA303	DIGITAL TRANSISTOR	
Q350			UN5112	DIGITAL TRANSISTOR	
Q351,352			DTC143TUA	DIGITAL TRANSISTOR	
Q351,352			KRC410	DIGITAL TRANSISTOR	
Q351,352			UN5216	DIGITAL TRANSISTOR	M1
Q355,356			DTC143TUA	DIGITAL TRANSISTOR	M1
Q355,356			KRC410	DIGITAL TRANSISTOR	M1
Q355,356			UN5216	DIGITAL TRANSISTOR	M1
TH1			PTH9C42BE471Q	POSITIVE RESISTOR	
A1	2D		X86-3720-11	FRONT-END UNIT	M1
A1	2D		X86-3722-70	FRONT-END UNIT	EE1

SWITCH UNIT (X16-2020-11)

280	3C	B11-1396-04	OPTICAL DIFFUSER	
281	2C	B11-1397-04	REFLECTION SHEET	
282	2C	B19-2199-03	LIGHTING BOARD	
D1 -14		B30-1605-05	LED(2COLOR PG/RED)	
D15 ,16		B30-1564-05	LED(1608,BLUE)	
D17 ,18		B30-1571-05	LED(WHITE)	
ED1		B38-1103-05	LIQUID CRYSTAL	
C1		CK73GB1H102K	CHIP C 1000PF K	
C2 -5		CK73GB1C104K	CHIP C 0.10UF K	
C6		CK73GB1H103K	CHIP C 0.010UF K	
C7		CK73FB1A225K	CHIP C 2.2UF K	
C8 -13		CK73GB1H103K	CHIP C 0.010UF K	
283	3C	E29-1925-04	CONDUCTIVE RUBBER	
J1		E59-0829-05	RECTANGULAR PLUG	
284	3C	*	F09-1823-04	SHEET
CP1		R90-0714-05	MULTI-COMP 10K X4	
CP3		R90-1016-05	MULTI-COMP 470 X4	
R1		RK73GB2A303J	CHIP R 30K J 1/10W	
R2 -5		RK73GB2A222J	CHIP R 2.2K J 1/10W	
R6		RK73GB2A473J	CHIP R 47K J 1/10W	
R9		RK73GB2A102J	CHIP R 1.0K J 1/10W	
R10		RK73GB2A751J	CHIP R 750 J 1/10W	
R11		RK73GB2A4R7J	CHIP R 4.7 J 1/10W	
R13		RK73GB2A101J	CHIP R 100 J 1/10W	
R15		RK73GB2A102J	CHIP R 1.0K J 1/10W	
R16 -19		RK73GB2A222J	CHIP R 2.2K J 1/10W	
R20 -23		RK73FB2B331J	CHIP R 330 J 1/8W	
R24 ,25		RK73FB2B361J	CHIP R 360 J 1/8W	
R26		RK73FB2B271J	CHIP R 270 J 1/8W	
W1		R92-1252-05	CHIP R 0 OHM J 1/16W	
S24		T99-0446-05	ROTARY ENCODER	
D19		MA3091-L	ZENER DIODE	
IC1		LC75808W	MOS-IC	
IC2		PNA4S22M	ANALOGUE IC	

Ref. No.	A d d	N e w	Parts No.	Description	Dest inati on
Q1			2SC4081	TRANSISTOR	
Q2			DTA114EUA	DIGITAL TRANSISTOR	
Q3 ,4			2SC4081	TRANSISTOR	
DAUGHTER UNIT (X89-2570-11)					
C1			CK73GB1H103K	CHIP C 0.010UF K	
CN1			E41-0169-05	SOCKET FOR PIN ASSY	
J1			E58-0865-05	RECTANGULAR RECEPTACLE	
R1			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R2 -5			RK73EB2E471J	CHIP R 470 J 1/4W	
R6 ,7			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R8 -10			RK73EB2E471J	CHIP R 470 J 1/4W	
R11 -13			RK73EB2E102J	CHIP R 1.0K J 1/4W	
S1			S70-0871-05	TACT SWITCH	
CASSETTE MECHANISM ASSY (D40-1147-05)					
1		2B	A10-4630-08	CHASSIS ASSY	
4		2B	D10-4375-08	SLIDER	
5		3A	D13-1494-08	GEAR	
6		3A	D13-1495-08	GEAR	
7		3A	D13-1496-08	GEAR	
9		1B	D10-4376-08	ARM	
10		2B	J90-0948-08	GUID	
11		2B	D15-0919-08	PULLEY	
12		2B	D13-1497-08	GEAR	
15		2B	J21-9458-08	MOUNTING HARDWARE	
17		2B	G02-1332-08	FLAT SPRING	
20		2A	D13-1498-08	RACK (GEAR)	
21		1A	D10-4377-08	LEVER	
22		3B	D10-4378-08	LEVER	
23		2A	D10-4379-08	LEVER	
24		1A	D10-4380-08	LEVER	
25		1A	G01-2960-08	TENSION COIL SPRING	
26		3A	D13-1499-08	GEAR	
27		3A	D10-4381-08	ARM	
30		2B	D10-4382-08	ARM ASSY	
31		2B	D10-4383-08	ARM ASSY	
44		2A	E39-0425-08	LEAD WIRE	
45		2A	J11-0632-08	CLAMPER	
48		3B	D01-0613-08	FLYWHEEL ASSY	
49		3B	D16-0616-08	BELT	
52		1B	D10-4385-08	ARM	
53		1B	J19-4953-08	HOLDER	
54		1A	G11-1861-08	CUSHION	
56		1B	D10-4386-08	ARM ASSY	
57		1B	G01-2962-08	TENSION COIL SPRING	
58		1B	D10-4387-08	SLIDER	
65		2A	B09-0522-08	CAP	
66		2A	G01-2963-08	COMPRESSION COIL SPRING	
67		2A	D03-0314-08	REEL DISK ASSY	
91		3A	J26-4043-08	PRINTED WIRING BOARD ASSY	
92		3A	E39-0424-08	FLAT CABLE	
94		3A	T95-0245-08	PHOTO COUPLER	
A		3A	N09-4324-08	MACHINE SCREW	

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CASSETTE MECHANISM ASSY (D40-1147-05)

Ref. No.	A d d	N e w	Parts No.	Description	Dest inati on
B	2A		N19-2136-08	FLAT WASHER	
C	2B		N09-4325-08	MACHINE SCREW	
D	2A		N09-4326-08	MACHINE SCREW	
E	2A		N09-4058-08	SEMS (MACHINE SCREW)	
F	2B		N19-2038-08	FLAT WASHER	
G	2B		N19-2136-08	FLAT WASHER	
H	2B		N19-2137-08	FLAT WASHER	
J	3B		N19-2138-08	FLAT WASHER	
K	3B		N09-4327-08	SCREW	
N	1B		N19-2139-08	FLAT WASHER	
CM1	1A		T42-1002-08	MOTOR ASSY (MAIN)	
CM2	1A		T42-1001-08	MOTOR ASSY (SUB)	
HD1	2B		T31-0230-08	PLAYBACK HEAD	

Ref. No.	A d d	N e w	Parts No.	Description	Dest inati on

KRC-694/Y KRC-766

SPECIFICATIONS

	KRC-694/Y	KRC-766
FM tuner section		
Frequency range (Frequency step)	87.5MHz-108.0MHz (50kHz)	87.5MHz-108.0MHz (50kHz) 87.9MHz-107.9MHz (200kHz)
Channel space selection	—	50k/200kHz
Usable sensitivity (S/N 26dB)	0.7μV/75Ω	—
Usable sensitivity (S/N 30dB)	—	9.3dBf (0.8μV/75Ω)
Quieting sensitivity (S/N 46dB)	1.6μV/75Ω	—
Quieting sensitivity (S/N 50dB)	—	15.2dBf (1.6μV/75Ω)
Frequency response ($\pm 3.0\text{dB}$)	30Hz-15kHz	30Hz-15kHz
S/N (dB)	65dB (MONO)	70dB (MONO)
Selectivity (DIN)(dB)	$\geq 80\text{dB} (\pm 400\text{kHz})$	$\geq 80\text{dB} (\pm 400\text{kHz})$
Stereo separation	35dB (1kHz)	40dB (1kHz)
MW (AM) tuner section		
Frequency range (kHz) (Frequency step)	531kHz-1611kHz (9kHz) (9kHz)	531kHz-1611kHz (9kHz) 530kHz-1700kHz (10kHz) (9kHz)
Channel space selection	—	9k/10kHz
Usable sensitivity (S/N 20dB)	25μV	28dBμ (25μV)
LW tuner section		
Frequency range (kHz)	153kHz-281kHz	—
Usable sensitivity (S/N 20dB)	45μV	—
Cassette section		
Tape Speed	4.76cm/sec.	4.76cm/sec.
Wow&Flutter (wrms)(%)	0.08% (WRMS)	0.08% (WRMS)
Frequency response ($\pm 30\text{dB}$)	30-20kHz (70μs)	30-20kHz (70μs)
Separation (dB)	43dB (1kHz)	43dB (1kHz)
S/N (dB) Dolby NR OFF	57dB	57dB
Dolby BNR ON	65dB	65dB
Preout level (mV) /Load -Unbalanced	2000mV/10kΩ (CD/CD-CH)	2000mV/10kΩ (CD/CD-CH)
Preout impedance (Ω)	$\leq 600\Omega$	$\leq 600\Omega$
Amplifier section		
Maximum power	47Wx4	50Wx4
PWR DIN45324,+B=14.4V	29Wx4	—
Full bandwidth power (at less than 1% THD)	—	22Wx4
TONE section		
Bass	100Hz $\pm 10\text{dB}$	100Hz $\pm 10\text{dB}$
Middle	1kHz $\pm 10\text{dB}$	1kHz $\pm 10\text{dB}$
Treble	10kHz $\pm 10\text{dB}$	10kHz $\pm 10\text{dB}$
General		
Operating voltage (11~16V allowable)	14.4V	14.4V
Current consumption	10A	10A
Installation size (W)	182 (mm)	182 (mm)
(H)	53 (mm)	53 (mm)
(D)	155 (mm)	155 (mm)
Weight	1.20kg	1.20kg

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