

CASSETTE RECEIVER

KRC-758R/803/858R/C/W /883W/903/953 /958R/993

SERVICE MANUAL

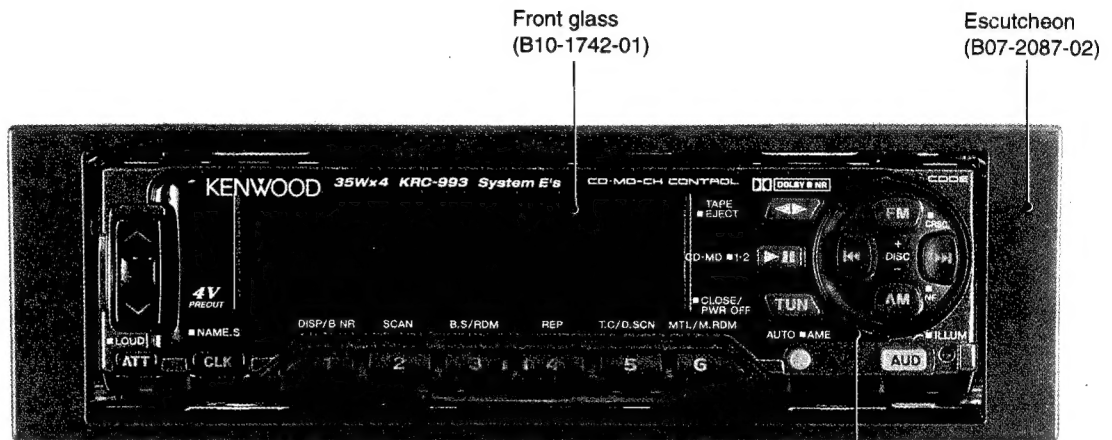
KENWOOD

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B51-7140-00 (S) 3620

The CASSETTE MECHANISM OPERATION DESCRIPTION is the same model KRC-503 or KRC-658R. Please refer to the service manual for model KRC-503 (B51-7071-00) or KRC-658R (B51-7069-00).

Extension cord	Parts No.
Cassette mechanism (7P)	W05-0477-00
Cassette mechanism (10P)	W05-0609-00

KRC-993



Panel assy (A64-0997-02)

Mounting hardware assy (J21-7630-33)

Bracket (J19-4721-04)

Bracket (J19-4720-04)

Stay (J54-0606-04)

Lever (D10-4067-04)

Screw set (N99-1652-05)

Escutcheon (B07-2096-02)

DC cord (E30-4437-05)

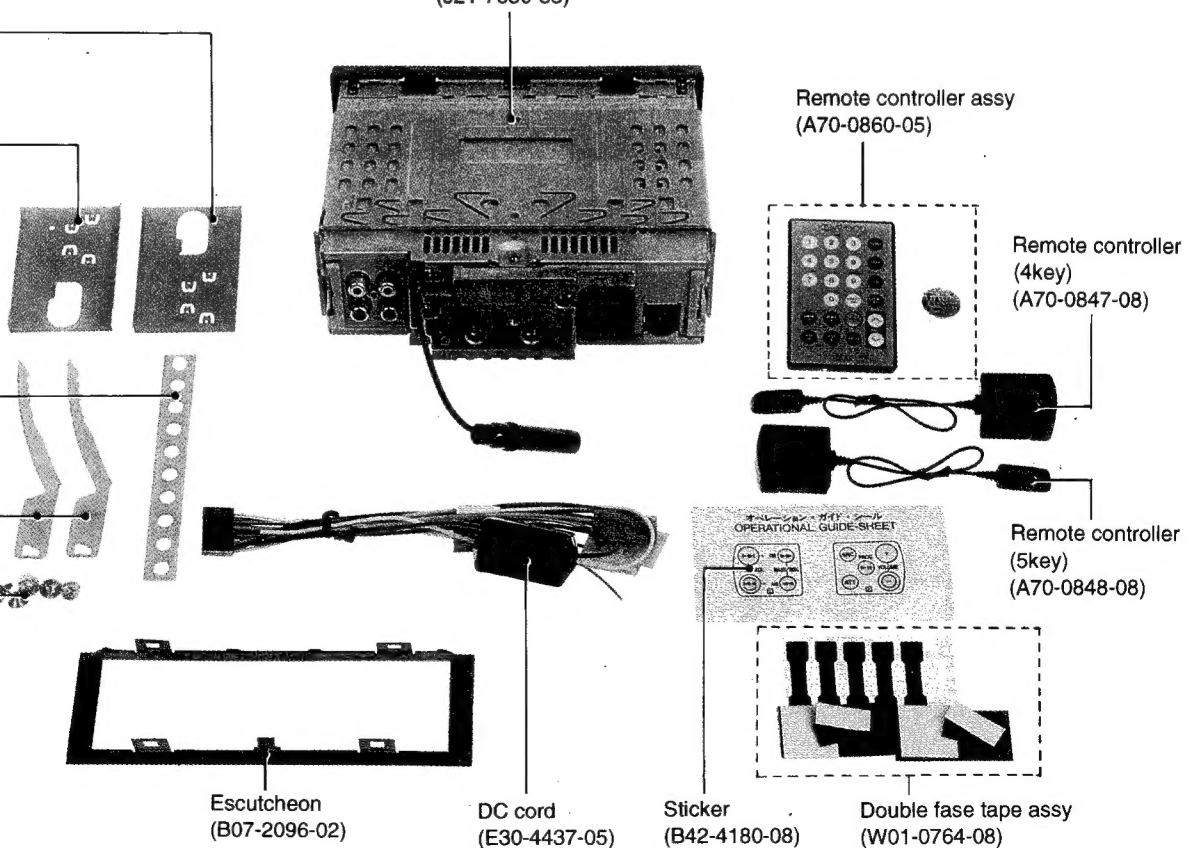
Sticker (B42-4180-08)

Double fase tape assy (W01-0764-08)

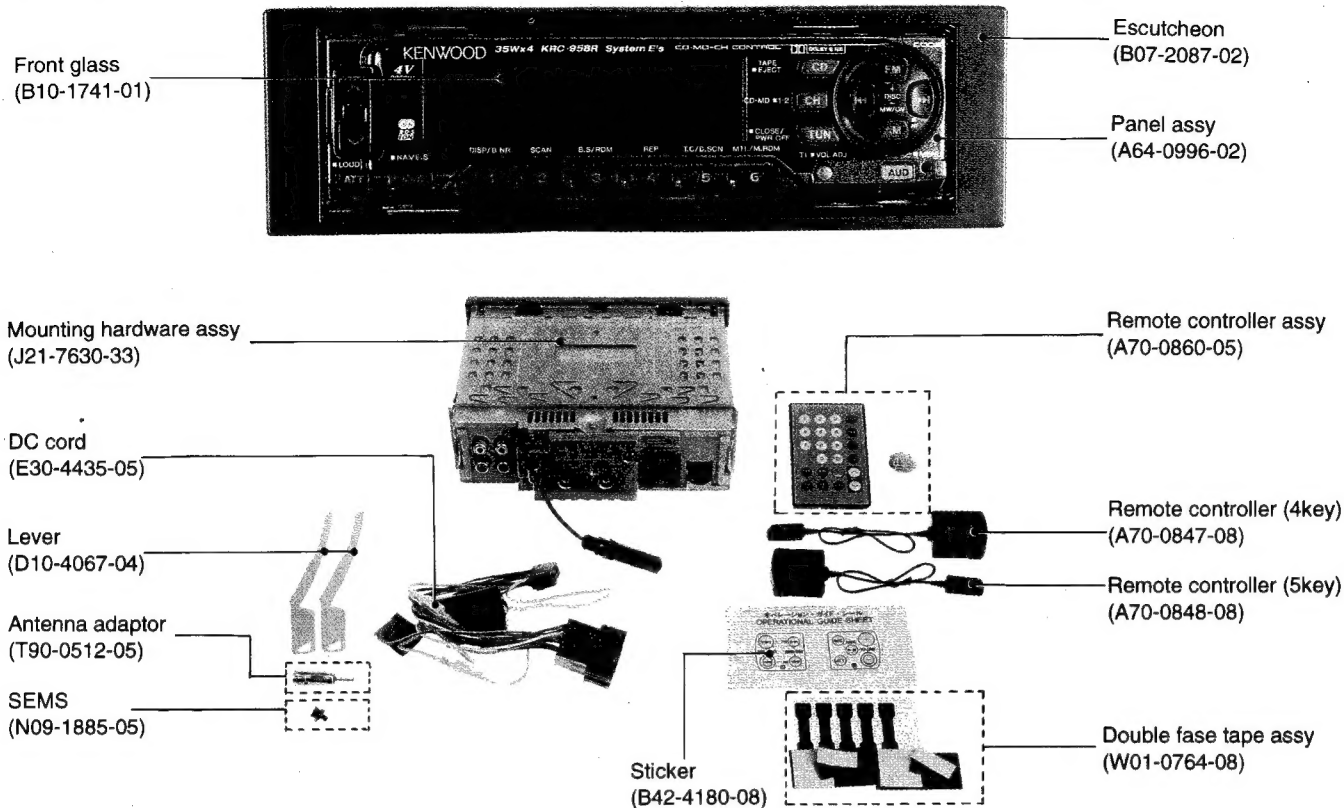
Remote controller assy (A70-0860-05)

Remote controller (4key) (A70-0847-08)

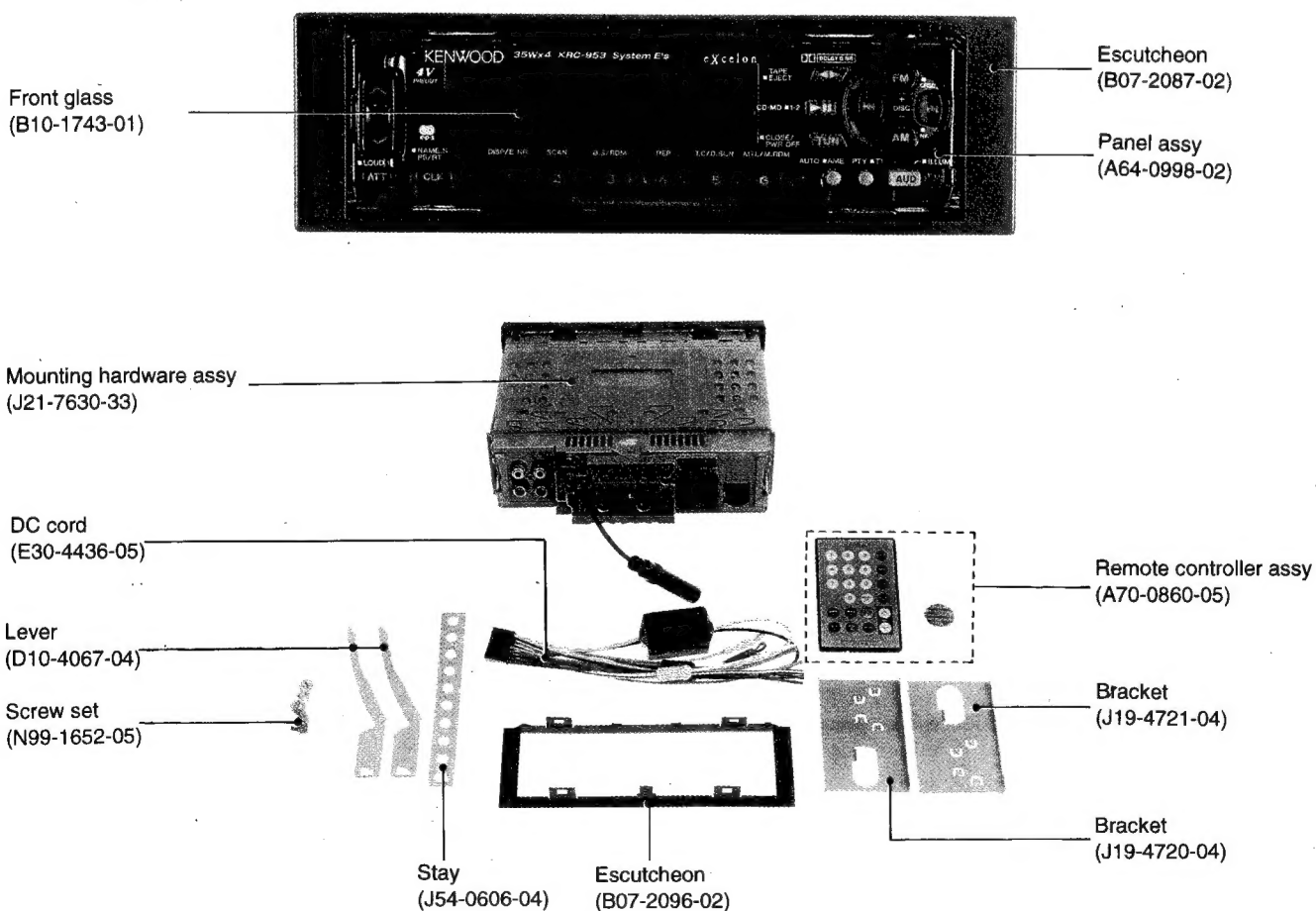
Remote controller (5key) (A70-0848-08)



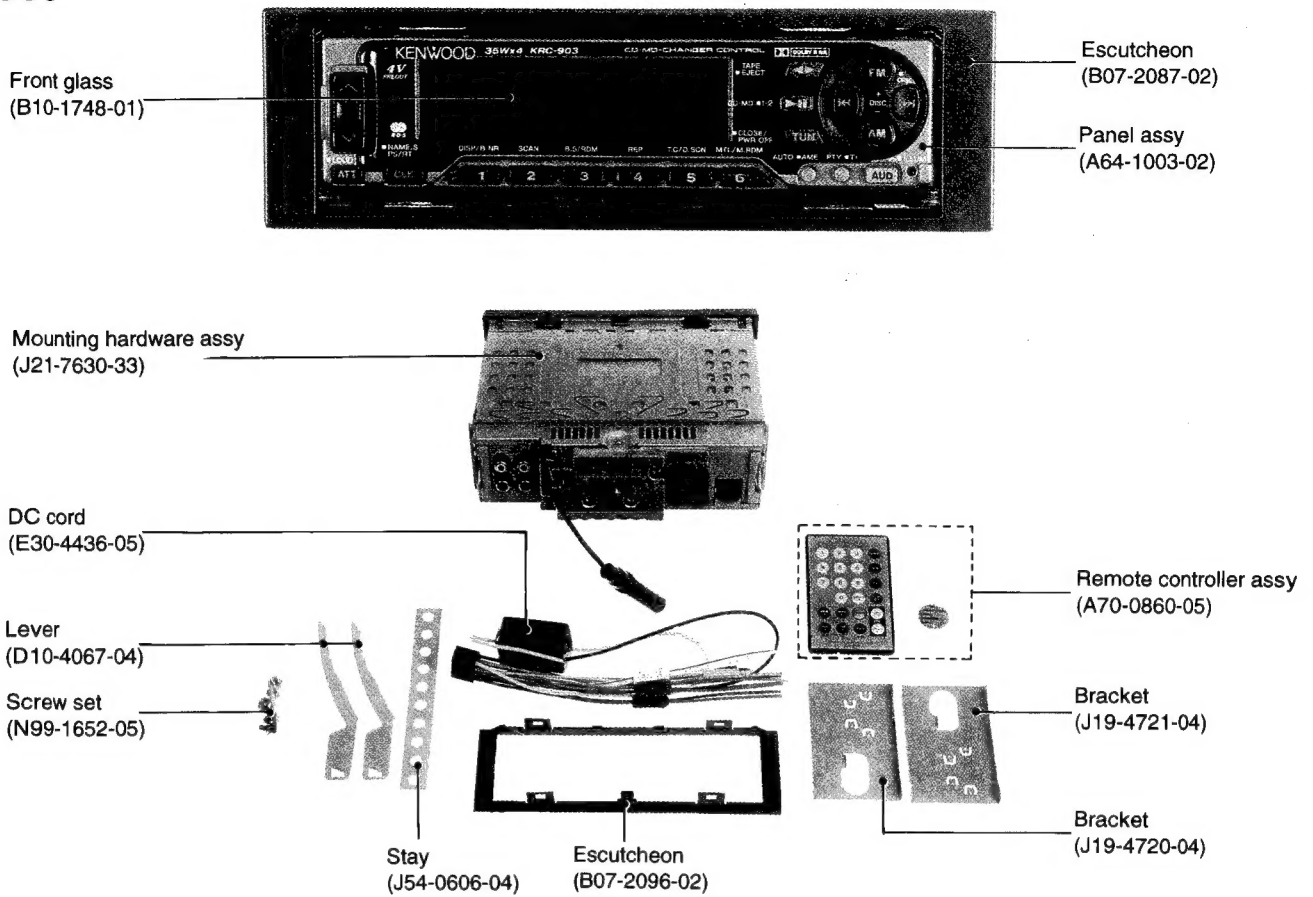
KRC-958R



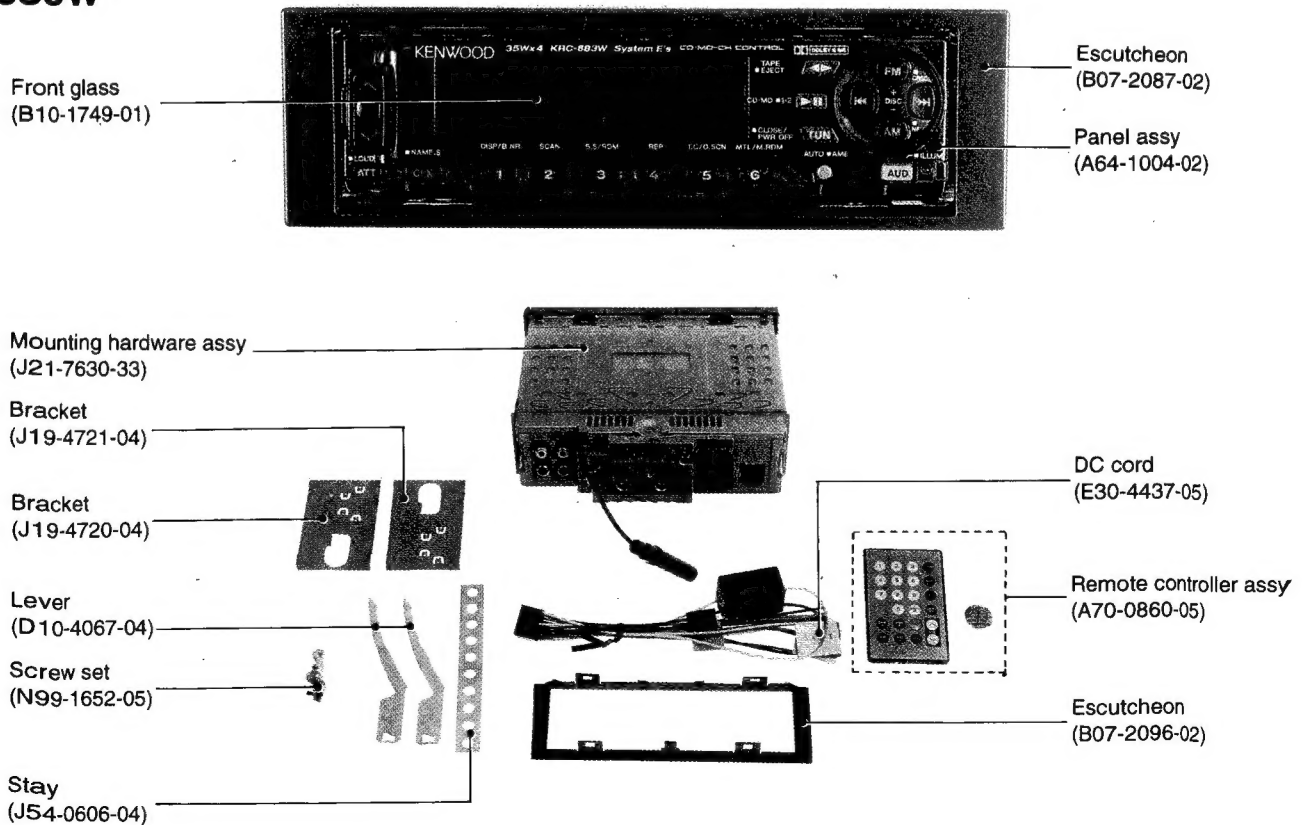
KRC-953



KRC-903



KRC-883W



KRC-758R/803/858R/C/W /883W/903/953/958R/993

KRC-858R/C/W

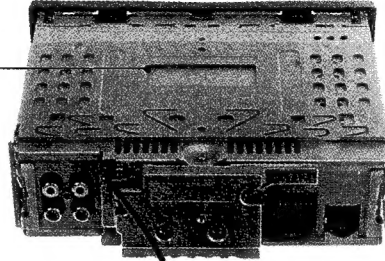
Photo is KRC-858R

- Front glass
- KRC-858R:(B10-1745-01)
- KRC-858C:(B10-1746-01)
- KRC-858W:(B10-1747-01)



- Escutcheon (B07-2087-02)
- Panel assy
- KRC-858R:(A64-1000-02)
- KRC-858C:(A64-1001-02)
- KRC-858W:(A64-1002-02)

- Mounting hardware assy (J21-7630-33)



- Lever (D10-4067-04)

- Antenna adaptor (T90-0512-05)

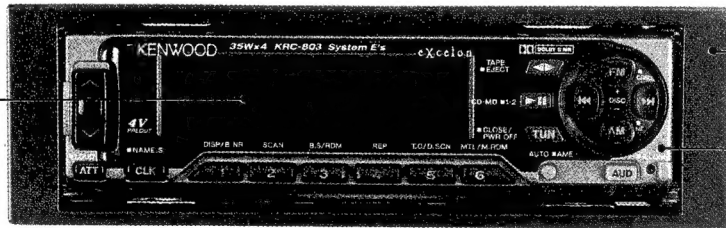
- SEMS (N09-1885-05)



- DC cord (E30-4435-05)

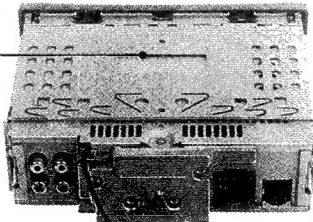
KRC-803

- Front glass (B10-1744-01)



- Escutcheon (B07-2087-02)
- Panel assy (A64-0999-02)

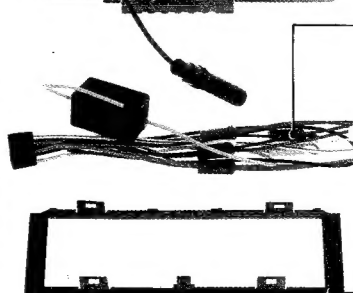
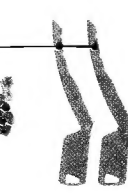
- Mounting hardware assy (J21-7630-33)



- Stay (J54-0606-04)

- Lever (D10-4067-04)

- Screw set (N99-1652-05)



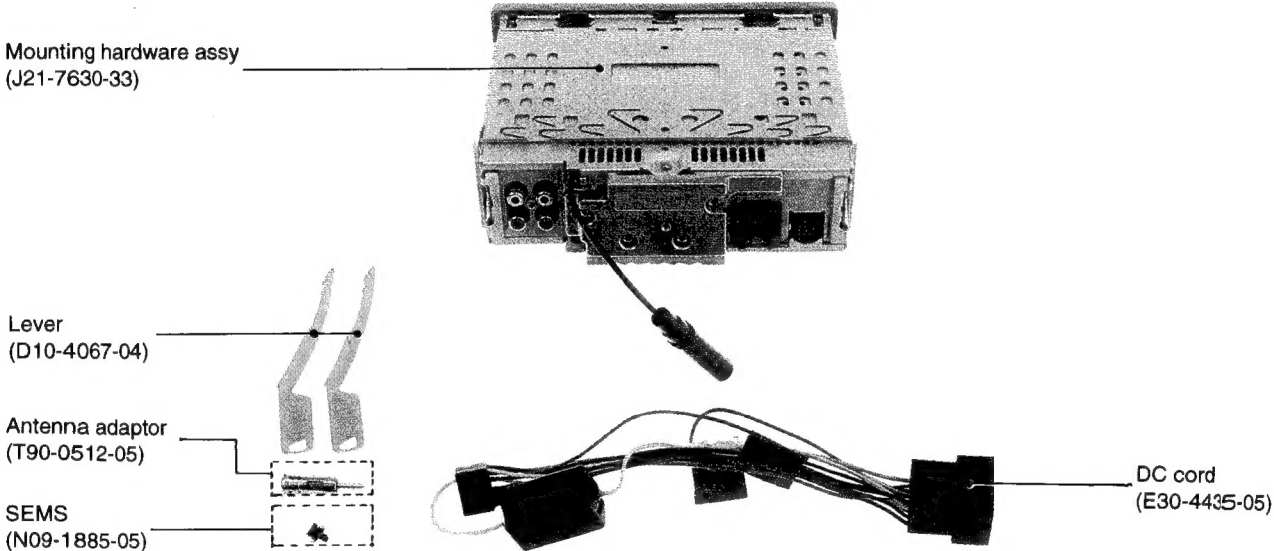
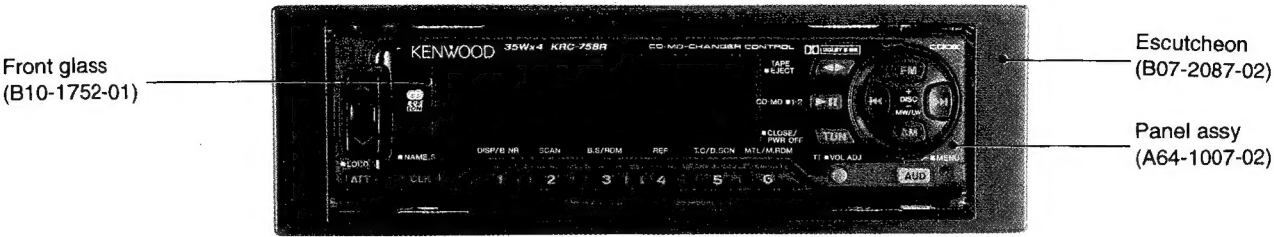
- DC cord (E30-4435-05)

- Bracket (J19-4720-04)

- Bracket (J19-4721-04)

- Escutcheon (B07-2087-02)

KRC-758R



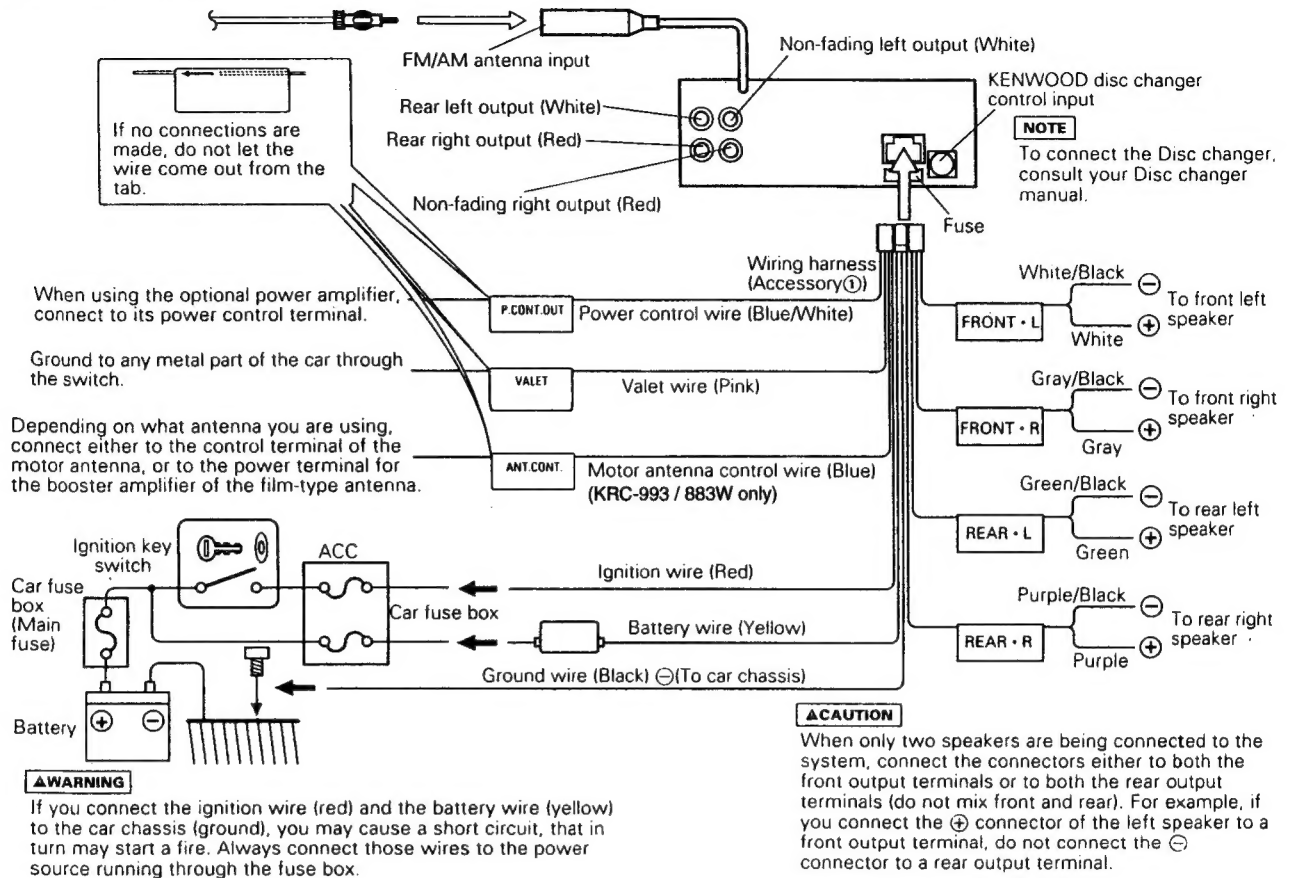
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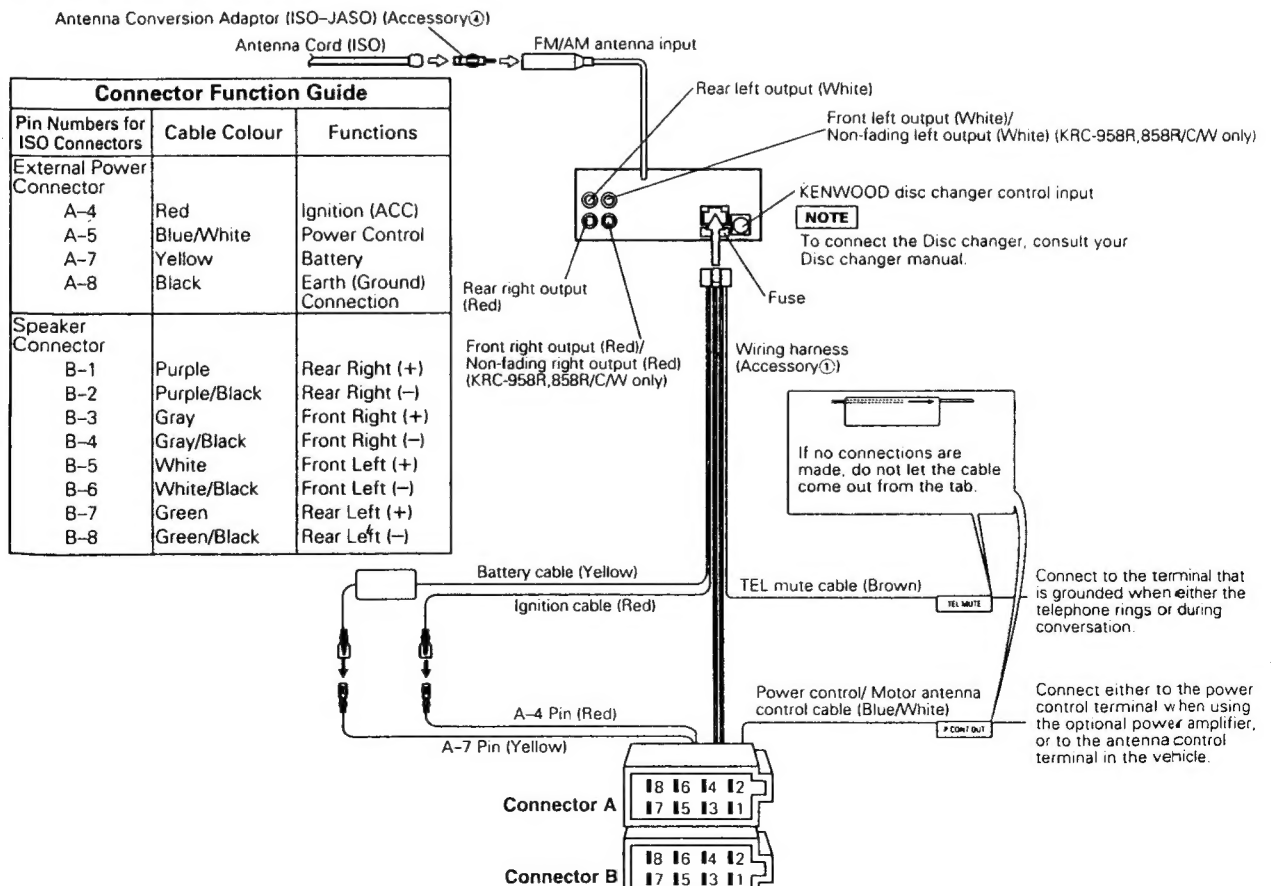
KRC-758R/803/858R/C/W /883W/903/953/958R/993

CONNECTIONS

KRC-803/883W/903/953/993

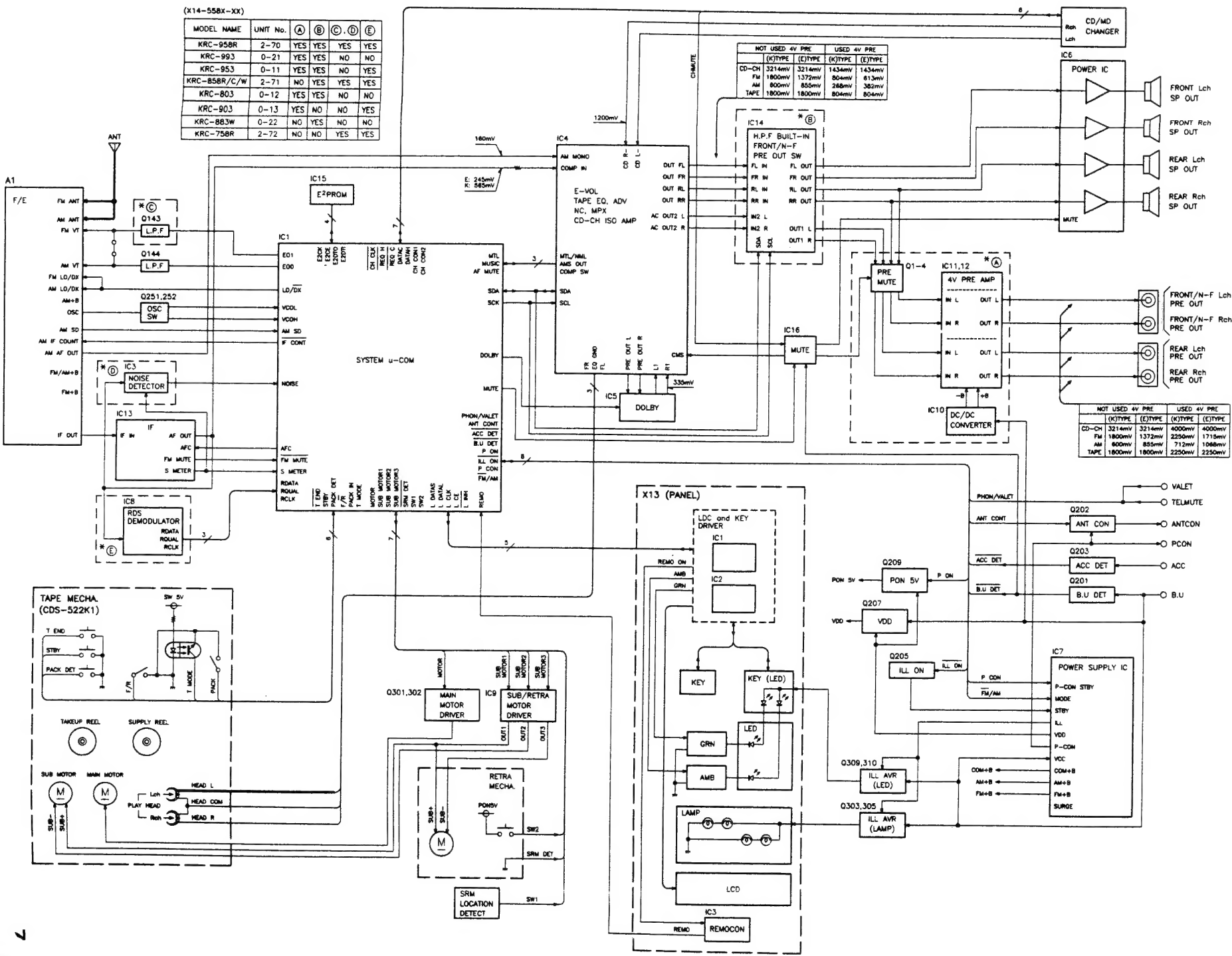


KRC-758R/858R/C/W/958R



(X14-55BX-XX)

MODEL NAME	UNIT No.	(A)	(B)	(C)	(D)	(E)
KRC-958R	2-70	YES	YES	YES	YES	YES
KRC-993	0-21	YES	YES	NO	NO	NO
KRC-953	0-11	YES	YES	NO	YES	YES
KRC-858R/C/W	2-71	NO	YES	YES	YES	YES
KRC-803	0-12	YES	YES	NO	NO	NO
KRC-903	0-13	YES	NO	NO	YES	YES
KRC-883W	0-22	NO	YES	NO	NO	NO
KRC-758R	2-72	NO	NO	YES	YES	YES



BLOCK DIAGRAM

KRC-758R/803/858R/C/W
/883W/903/953/958R/993

CIRCUIT DESCRIPTION

Description of components

Synthesizer Unit (X14-558X-XX)

Device	Purpose,Function	Operation,condition,compatibility
IC1	System control u-CON	
IC2	Analog SW	LPF response speed switching.
IC3	Noise Amplifier	
IC4	Electronic volivme	Incorporates EQ amp, E-Vol circuit, NC, MPX, CD-CH ISO, T-ADV, METAL, bass, treble and loudness circuitry.
IC5	Dolby IC	
IC6	Power amplifier	
IC7	Multi power supply	
IC8	RDS Demodulator	
IC9	SUB/RETRA motor driver	
IC10	DC/DC converter	+/- power supply for the 4 V preamplifier.
IC11,12	PRE amplifier	For the 4 V preamplifier.
IC13	FM IF System	
IC14	Front/non-fader preout SW with built-in HPF	
IC15	E ² P ROM	
IC16	Triple 3-input NOR Gates	For muting.
Q1 ~ 4	PRE MUTE	ON for muting.
Q101	FM LO/DX SW	ON for local seek.
Q102	FM VT inhibit	ON for AM
Q121	Noise detect driver	Half-wave rectification.
Q122,123	Noise detection output time constant SW	ON during FM reception. (OFF during seek/search)
Q141	LPF time constant SW	ON during FM reception. (OFF during seek/search)
Q142	LPF constant current supply	
Q143	FM L.P.F	
Q144	AM L.P.F	
Q151	Sub-motor voltage SW	ON during SRM operation.
Q161,162	AFC time constant SW	ON during FM reception (OFF during seek/search)
Q163	AF Buff	
Q164	FM S-METER Buff	
Q165	IF Amp	
Q181	IC4 MUTE SW	ON for muting.
Q191	CRSC SW	In case of production of multi-path noise, etc., goes ON to force monaural reception.
Q201	B-U detect	OFF when the B-U voltage drops to about 8.8 V or lower.
Q202	ANT-CON driver	ON for tuner.
Q203	ACC detect	OFF when Acc voltage drops to about 7.4 V or lower.
Q204	ANT CON SW	ON for tuner.
Q205	ILL ON SW	When power is OFF and Acc is OFF, going "H" of PON turns ILL ON "H", which turns only ILL +B OFF.
Q206	P-on 5V SW	ON at power ON.
Q207	VDD driver	ON while B-U is supplied.
Q208	Pre-MUTE SW	ON for muting.
Q209	P-on 5V driver	ON at power ON.
Q231,232	CH-CON2 SW	ON with CH-CON 2.
Q241,242	IC10 power regulator	ON at power ON.
Q243,244	IC10 power regulator SW	ON at power ON.
Q245,246,247	IC11/12 +B regulator	
Q248,249,250	IC11/12 -B regulator	
Q251	FM OSC SW	ON in FM mode.
Q252	AM OSC SW	ON in AM mode

CIRCUIT DESCRIPTION

Device	Purpose,Function	Operation,condition,compatibility
Q301	Main moter+B driver	ON while the main motor of the cassette mechanism is operating.
Q302	Main moter SW	ON while the main motor of the cassette mechanism is operating.
Q303,305	LAMP+B Regulator	ON at power ON.
Q304,307	SUB motor+B Regulator	ON at power ON.
Q306,308	SUB motor+B Regulator SW	ON at power ON.
Q309,310	ILL+B Regulator	ON at power ON.
Q311	Reset sw	ON at reset.

Switch Unit (X13-905X-XX)

Device	Purpose,Function	Operation,condition,compatibility
IC1	1/3 duty LCD display driver with key input	
IC2	1/2 duty general-purpose LCD display driver	
IC3	Remote sensor	
Q1	Key scan start SW	ON at power ON.
Q2	Remocon Vcc SW	ON at power ON.
Q3	ILL AMBER SW	ON for amber illumination.
Q4	ILL GREEN SW	ON fro green illumination.

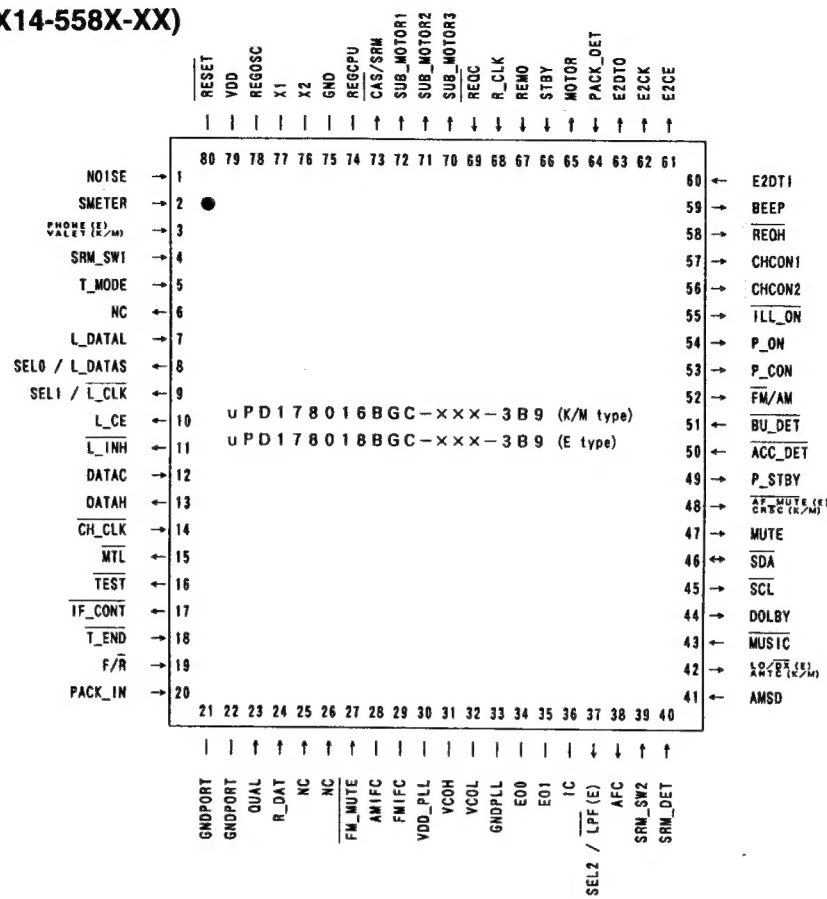
KRC-758R/803/858R/CW
/883W/903/953/958R/993

CIRCUIT DESCRIPTION

IC1:178016BGC51X (X14-558X-XX)
178018BGC511

Microcomputer

Pin layout



Terminal descriptions

Pin No.	Pin Name	I/O	Description	Halt
1	NOISE	I	FM noise detection analog input.	
2	SMETER	I	FM S meter detection analog input.	
3	PHONE (E) VALET (K/M)	I	Phone/navigation muting input. Valet/demonstration input.	
4	SRM_SW1	I	Position detection input from SRM.	H:ON
5	T_MODE	I	Cassette mechanism mode input.	
6	NC	O	Not used.	
7	L_DATAL	O	Data input from LCD driver.	
8	L_DATAS	I	Data output from LCD driver.	
9	L_CLK	O	Clock output to LCD driver.	
10	L_CE	O	CE output to LCD driver.	
11	L_INH	O	Reset output to LCD driver.	L:OFF
12	DATAC	I	Data input from CH.	
13	DATAH	O	Data output to CH.	
14	CH_CLK	I	Clock input from CH.	
15	MTL	O	Normal/Metal switching output.	L:METAL
16	TEST	O	Temperature rise protection circuit inhibit output.	L:In test mode
17	IF_CONT	O	AM IF count control output.	L:During seek
18	T_END	I	Tape transport condition detection input.	H:During transport
19	F/ R	I	Tape FWD/REV detection input.	H:FWD L:REV
20	PACK_IN	I	Cassette mechanism pack-in detection input.	H:PACKIN
21	GNDPORT		Grounding.	
22	VDDPORT		5 V.	
23	QUAL	I	RDS receiving condition.	

CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description	Halt
24	R_DAT	I	RDS data input.	
25	NC	I	Not used.	
26	NC	I	Not used	
27	FM_MUTE	I	Band muting detection input.	L:Station detected
28	AMIFC		AM IF count input.	
29	FMIFC		FM IF count input.	
30	VDDPLL		5 V.	
31	VCOH		FM OSC input.	
32	VCOL		AM OSC input.	
33	GNDPLL		Grounding.	
34	EO0		PLL error output 0.	
35	EO1		PLL error output 1.	
36	IC (VPP)		Grounding.	
37	LPF (E)	O	Low-pass filter switching output.	H:During reception
38	AFC	O	AFC output.	H:During reception
39	SRM_SW2	I	Position detection input 2 from SRM.	
40	SRM_DET	I	SRM detection input.	L:During detected
41	AMSD	I	AM station detection input.	H:Station detected
42	LO/ DX (E)	O	Local output.	H:ON
	ANTC (K/M)	O	Antenna control output.	H:ON
43	MUSIC	I	Tape music detection input.	L:Music detected
44	DOLBY	O	Dolby control output.	H:ON
45	SCL	O	Clock output to E-Vol circuit.	
46	SDA	I/O	Data input/output from/to E-Vol circuit.	
47	MUTE	O	Muting output.	H:MUTE ON
48	AF/MUTE (E)	O	AF muting output.	L:ON
	CRSC (K/M)	O	CRSC output.	H:ON
49	P_STBY	O	Power amplifier STBY output.	H:ON
50	ACC_DET	I	Acc detection input.	L:Acc detected
51	BU_DET	I	Momentary power-down detection input.	H:Power down
52	FM/AM	O	FM/AM switching control output.	H:AM L: FM
53	P_CON	O	Power control output.	H:ON
54	P_ON	O	Microcomputer peripheral power control output.	H:ON
55	ILL_ON	O	Illumination output.	L:ON
56	CHCON2	O	CH2 control output.	H:ON
57	CHCON1	O	CH1 control output.	H:ON
58	REQH	O	Request to CH.	L:Requested
59	BEEP	O	Beep output.	
60	E2DTI	I	Data input from E2PROM.	
61	E2CE	O	CE output to E2PROM.	
62	E2CK	O	Clock output to E2PROM.	
63	E2DTO	O	Data output to E2PROM.	
64	PACK_DET	I	Cassette mechanism pack detection.	H:Pack detected
65	MOTOR	O	Cassette mechanism main motor control output.	H:ON
66	STBY	I	Cassette mechanism STBY input.	H:STBY
67	REMO	I	Remote control signal input.	
68	R_CLK	I	RDS clock input.	
69	REQC	I	Request from CH.	L:Requested
70	SUM_MOTOR3	O	Cassette mechanism/SRM sub-motor output 3	
71	SUB_MOTOR2	O	Cassette mechanism/SRM sub-motor output 2	

CIRCUIT DESCRIPTION

Pin No.	Pin Name	I/O	Description	Halt
72	SUB_MOTOR1	O	Cassette mechanism/SRM sub-motor output 1	
73	CAS /SRM	O	Cassette mechanism/SRM sub-motor voltage switching output.	H:SRM L:TAPE
74	REGCPU		CPU power regulator.	
75	GND		Grounding.	
76	X2		X'tal connection.	
77	X1		X'tal connection.	
78	REGOSC		Regulator for oscillator.	
79	VDD		Power voltage terminal.	
80	RESET		Reset input.	

Security Code Write Procedure After E2PROM Replacement

The security code can be written only when the E2PROM has been replaced with a E2PROM in which nothing is written.

1. Code write procedure

- 1) With the power ON, switch the source to ALL OFF, then press and hold preset key 6 for 3 seconds.

ENTER
CODE - - - -
↓

- 2) Enter the desired code using preset keys 1 to 4.

Example of entering code 1240

```

1 ... CODE 0 - - -
      ↓
1 ... CODE 1 - - -
      ↓
2 ... CODE 1 0 - -
      ↓
2 ... CODE 1 1 - -
      ↓
2 ... CODE 1 2 - -
      ↓
3 ... CODE 1 2 0 -
      ↓
3 ... CODE 1 2 1 -
      ↓
3 ... CODE 1 2 2 -
      ↓
3 ... CODE 1 2 3 -
      ↓
3 ... CODE 1 2 4 -
      ↓
4 ... CODE 1 2 4 0
  
```

When the 4th digits have been entered
↓

- 3) Press and hold the CLK key for 3 seconds . . .
Completion of code entry.

APPROVED
↓

- 4) Set the RESET switch to ON.

Now the code write procedure has completed. The security mode is set entirely to the initial condition.

* To quit this mode in the middle (before the end of step 2), simply turn power OFF. The same operation can be restarted from step 1.

* Be sure to write the security code following the above procedure. If you commit a mistake or hold the CLK key for 3 seconds or mode in the middle of the code entry, normal code will not be written in the E2PROM.

CIRCUIT DESCRIPTION

1. Code permission procedure

- 1) With the power ON, switch the source to ALL OFF, then press and hold preset key 6 for 3 seconds.

ENTER
CODE ----

- 2) Enter the desired code using preset keys **1** to **4**.

Example of entering code 1240

1 CODE 0 ---
↓
1 CODE 1 ---
↓
2 CODE 1 0 --
↓
2 CODE 1 1 --
↓
2 CODE 1 2 --
↓
3 CODE 1 2 0 -
↓
3 CODE 1 2 1 -
↓
3 CODE 1 2 2 -
↓
3 CODE 1 2 3 -
↓
3 CODE 1 2 4 -
↓
4 CODE 1 2 4 0

When the 4th digits have been entered

- 3) Press and hold the CLK key for 3 seconds ...
Completion of code entry.

RE-ENTER
CODE ----

- 4) Enter the code again in the same way as step 2.
5) Press and hold the CLK key for 3 seconds ...
Completion of code entry.

APPROVED.

↓
The previous source is recalled and the code is permitted

- * To quit this mode in the middle (before the end of step 2), simply turn power OFF. The same operation can be restarted from step 1.
- * Be sure to follow the above procedure. Note that the code cannot be entered if the panel is in the ejected position.

Code request mode

When the power of the unit is turned ON after the unit has been reset while the security function is activated, this mode requests the user to enter the previously-set code.

■ Operation description

- The code should be entered using 4 numeric keys **1**, **2**, **3** and **4**.
- Each press of keys **1**, **2**, **3** and **4** increments the digit of 1000, 100, 10 and 1 respectively.
- When the 4th digits have been entered, the code is subjected to judgment and the power is turned ON only when it is correct.
- In case the entered code is incorrect, the unit does not enter the wait state but return to the initial display of the code request mode and the code should be entered from the beginning.

Code cancellation mode (simplified code)

Even after the security code has been registered, the security function can be deactivated.

■ Operation description

- In the code request mode, press and hold the **CLOCK** + **VOL UP** keys for 3 seconds to enter the code cancellation mode.
- Enter "KCAR" from the remote control unit. These characters should be displayed. Code cancellation mode procedure (The code is KCAR.)

Entered Key	Operation
CLOCK + VOL UP	Cancellation mode ON.
5 twice	K is selected.
▶▶	K is set.
2 twice	C is selected.
▶▶	C is set.
2 once	A is selected.
▶▶	A is set.
7 twice	R is set.
▶▶	OK
	No Good
	Cancellation OK, display cleared.
	Restart. CODE---- displayed.

MECHANISM OPERATION DESCRIPTION

NOTES FOR ASSEMBLING THE SRM MECHANISM

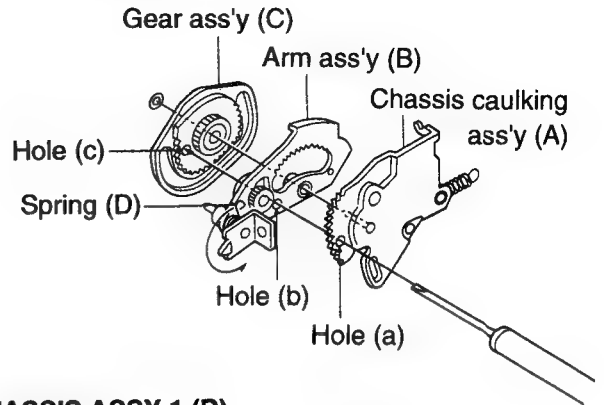
(1) Assembly of Chassis ass'y 1 (L) or Chassis ass'y 1 (R)

When assembling Chassis caulking ass'y (A), Arm ass'y (B) and Gear ass'y (C) of Chassis ass'y 1 (L) or (R), special care is required for the positioning of every gear.

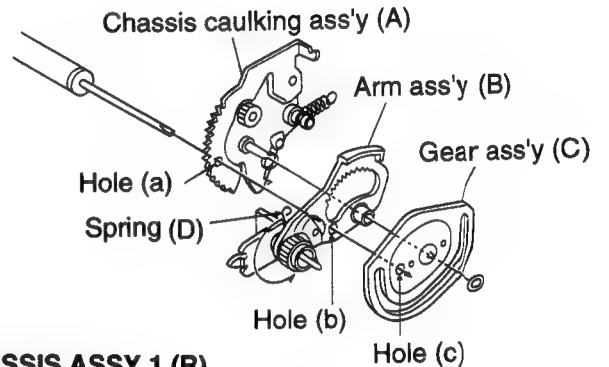
As shown in the illustration, align holes (a)-(c) and assemble so that shaft (x), holes (a)-(c), shaft (y) and tongue (z) form a straight line.

Maintain the alignment of holes (a)-(c) during the assembly work by passing a thin stick (with a diameter of about 1.3 mm) such as the shaft of a fine watchmaker's screwdriver through the holes. Spring (D) should be removed before the assembly work and attached again after it.

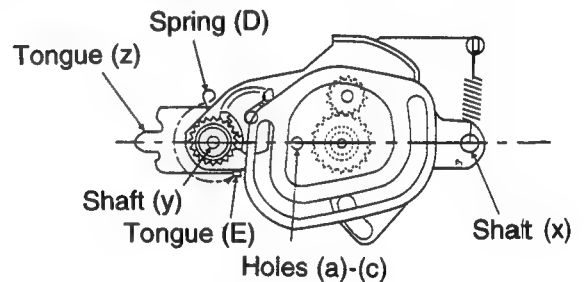
CHASSIS ASSY 1 (L)



CHASSIS ASSY 1 (R)



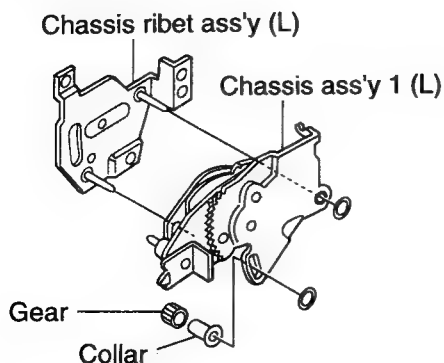
CHASSIS ASSY 1 (R)



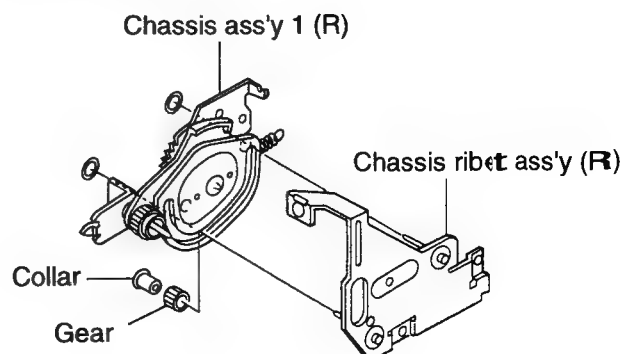
(2) Assembly of Chassis ass'y 2 (L) or Chassis ass'y 2 (R)

Assemble Chassis ass'y 1 (L) or (R), Chassis rebet ass'y (L) or (R), Collar and Gear with the position relationship as shown in the following illustration.

CHASSIS ASSY 2 (L)



CHASSIS ASSY 2 (R)

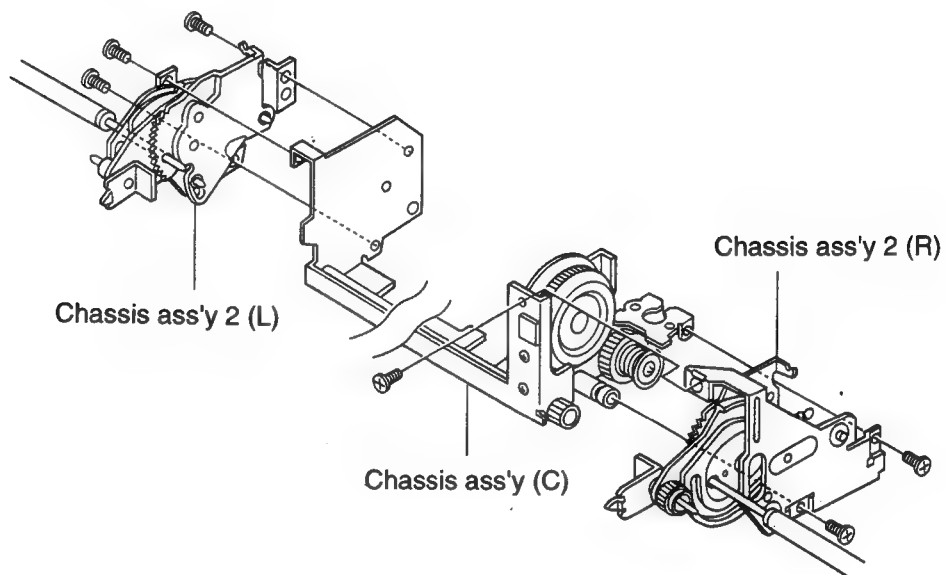


MECHANISM OPERATION DESCRIPTION

(3) Assembly of Chassis ass'y 2 (L), Chassis ass'y 2 (R) onto Chassis ass'y (C)

When assembling these ass'ies together, the gears of Chassis ass'y 2 (L) and Chassis ass'y 2 (R) should be in the same position on each ass'y.

Similarly to (1) above, pass a thin screwdriver shaft through holes (a)-(c) of each of Chassis ass'y 2 (L) and Chassis ass'y 2 (R), and attach them onto Chassis ass'y (C).



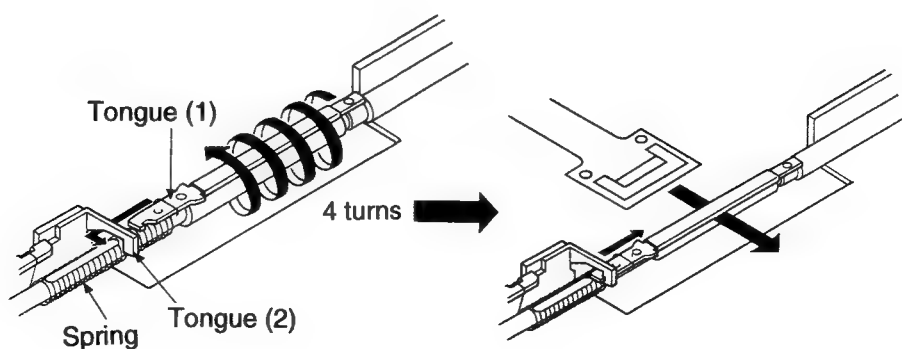
(4) Assembly of FPC (Flexible PC board) onto Roller ass'y

Turn Roller ass'y by 4 turns.

Ensure that the white painting on the spring draws a single straight line.

Hook tongue (1) of Roller ass'y to tongue (2).

Insert the FPC into the slit of Roller ass'y then release tongues (1) and (2) of Roller ass'y.



**KRC-758R/803/858R/CW
/883W/903/953/958R/993**

ADJUSTMENT

KRC-803/883W/903/953/993

Set the controls and switches as follows.

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

FADER :center position TREBLE :center position METAL :OFF

No	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER (RECEIVER) SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1	DISCRIMINATOR	(A) 98.1MHz 0dev 60dB μ (ANT input)	Connect a DC voltmeter to CN11 (X14)	FM 98.1MHz	T1 (X14)	0V	(a)
2	ANRC	(C) 98.1MHz 1kHz, \pm 67kHz dev Pilot: \pm 7.5kHz dev Selector:L or R 35dB μ (ANT input)	(B)	FM 98.1MHz	VR3 (X14)	Separation 10dB	
AM SECTION							
(1)	SEEK STOP LEVEL	(D) 990 kHz 0% mod 35dB μ (ANT input)	—	AM 990 kHz	AM SD VR (A1)	STOP	(b)
CASSETTE DECK SECTION							
[1]	AZIMUTH	TCC-153 10kHz	(B)	TAPE PLAY	Head Azimuth Screw	Adjust the azimuth for each Lch/Rch or FWD/RVS becomes maximum	(c)
[2]	PLAY BACK LEVEL	TCC-130	Connect an AC voltmeter to CN10 (X14)	TAPE PLAY	VR1 (L) VR2 (R) (X14)	300mV	(d)

ADJUSTMENT

KRC-758R/858R/C/W/958R

Set the controls and switches as follows.

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

No	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER (RECEIVER) SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION							
1	DISCRIMINATOR	(A) 98.1MHz 0dev 60dB μ (ANT input)	Connect a DC voltmeter to CN11 (X14)	FM 98.1MHz	T1 (X14)	0V	(a)
2	ANRC	(C) 98.1MHz 1kHz, \pm 40kHz dev Pilot: \pm 6.0kHz dev Selector:L or R 35dB μ (ANT input)	(B)	FM 98.1MHz	VR3 (X14)	Separation 10dB	
AM SECTION							
(1)	SEEK STOP LEVEL	(D) 990 kHz 0% mod 35dB μ (ANT input)	—	AM 990 kHz	AM SD VR (A1)	STOP	(b)
CASSETTE DECK SECTION							
[1]	AZIMUTH	TCC-153 10kHz	(B)	TAPE PLAY	Head Azimuth Screw	Adjust the azimuth for each Lch/Rch or FWD/RVS becomes maximum	(c)
[2]	PLAY BACK LEVEL	TCC-130	Connect an AC voltmeter to CN10 (X14)	TAPE PLAY	VR1 (L) VR2 (R) (X14)	300mV	(d)

KRC-758R/803/858R/CW
/883W/903/953/958R/993

ABGLEICH

KRC-758R/858R/C/W/958R

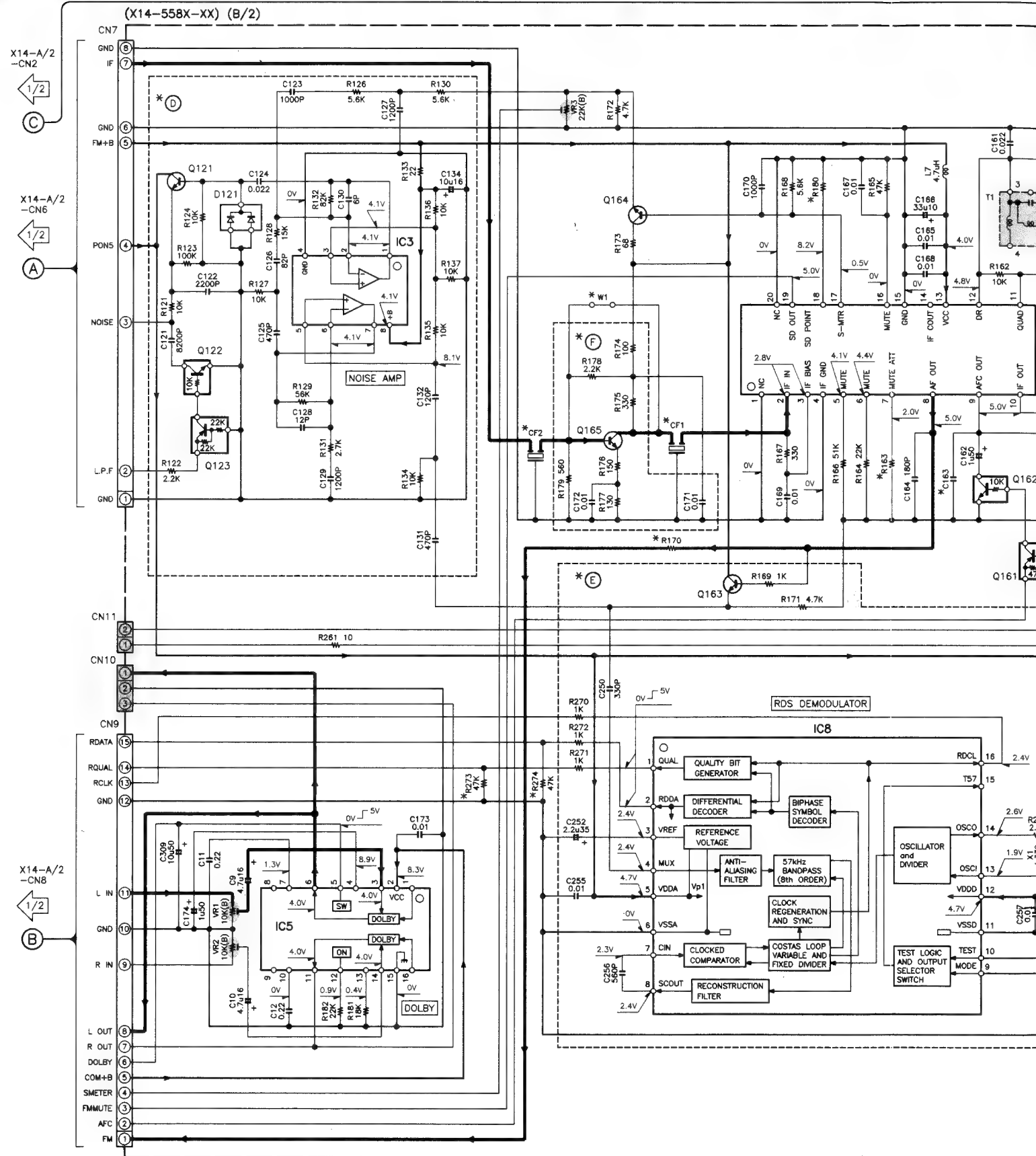
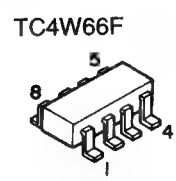
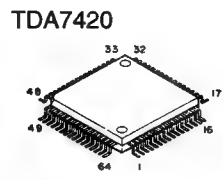
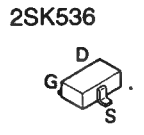
Die Regler und Knöpfe wie folgt einstellen.

BALANCE :Mittelage BASS :Mittelage LOUD :OFF DOLBY NR :OFF

FADER :Mittelage TREBLE :Mittelage METAL :OFF

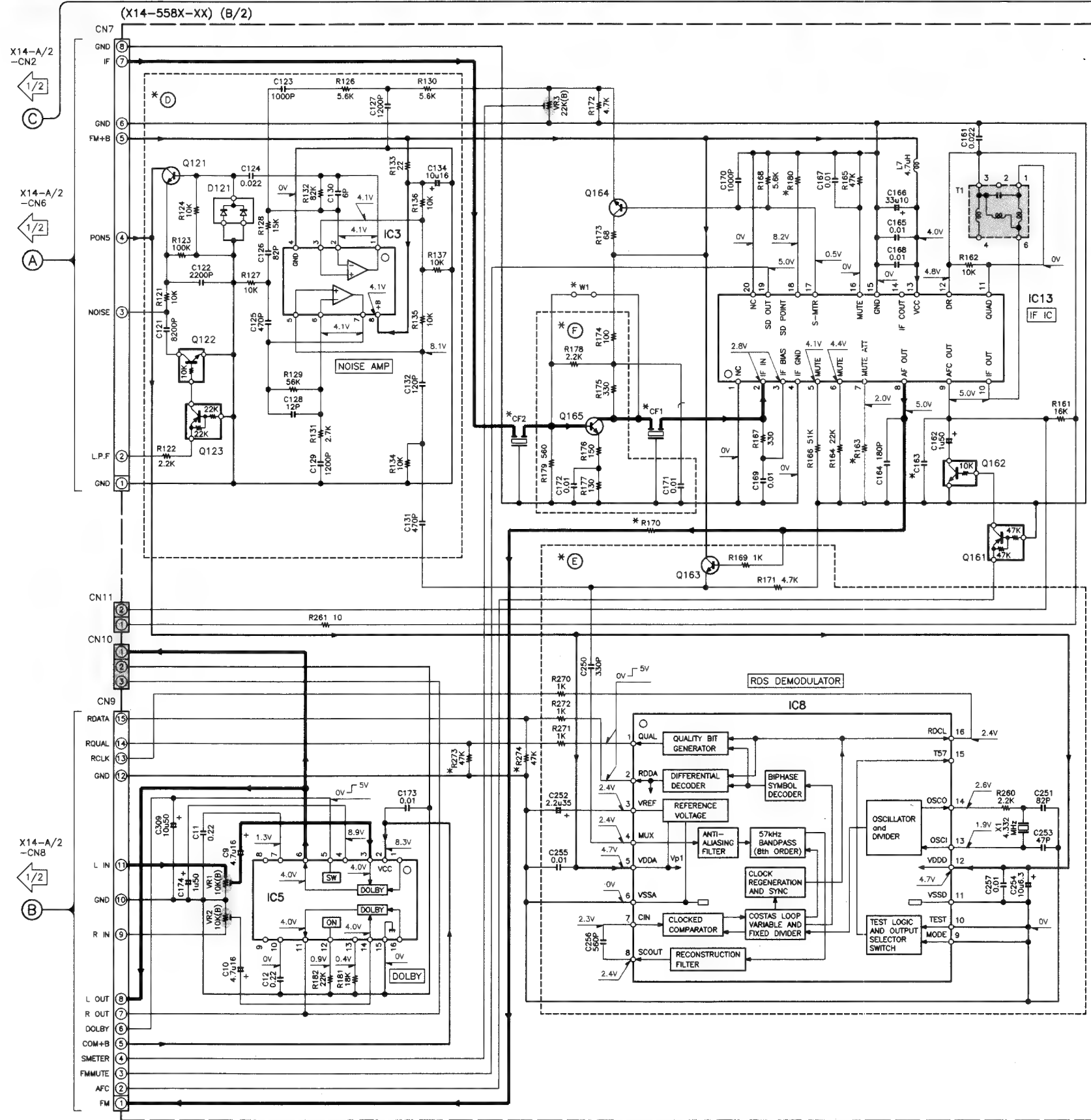
NR	GEGENSTAND	EINGANGS EINSTELLUNG	AUSGANGS EINSTELLUNG	TUNER (RECEIVER) EINSTELLUNG	ABGLEICH PUNKTE	ABGLEICHEN FÜR	ABB.
UKW-ABTEILUNG							
1	DISKRI- MINATOR	(A) 98.1MHz 0 Hub 60dB μ (ANT-Eingang)	Den Gleichstrom Voltmeter Diskri CN11 anschließen (X14)	FM 98.1MHz	T1 (X14)	0V	(a)
2	ANRC (SUCHEN HALT PEGEL)	(C) 98.1MHz 1kHz, \pm 40kHz Hub Pilot: \pm 6.0kHz Hub Wahler : L or R 35dB μ (ANT-Eingang)	(B)	FM 98.1MHz	VR3 (X14)	Trennung 10dB	
MW-ABTEILUNG							
(1)	SUCHEN HALT PEGEL	(D) 990kHz 0% mod 35dB μ (ANT-Eingang)	—	MW 990kHz	AM SD VR (A1)	HALT	(b)
CASSETTEN-DECK-ABTEILUNG							
[1]	AZIMUTH	TCC-153 10kHz	(B)	Bandwiedergabe	Kopfazimuts- schraube	So einstellen, daß das Azimuth für jeweils L-CH/R-CH oder FWD/RVS maximal wrd.	(c)
[2]	PLAY BACK LEVEL	TCC-130	Connect an AC voltmeter to CN10 (X14)	TAPE PLAY	VR1 (L) VR2 (R) (X14)	300mV	(d)

- DTA114EK
- DTA124EK
- DTA144EK
- DTC114TK
- DTC124EK
- DTC144EK
- 2SC2412K
- 2SC2413K
- 2SD2114K
- DAN202K
- DA204K
- 2SK536
- HA12134AF
- SAA6579T
- TDA7420
- TC4W66F
- 2SA1037K
- BA6238A
- NJM4565M-TE2



- IC3 : NJM4565M-TE2
- IC5 : HA12134AF
- IC8 : SAA6579T
- IC13 : LA1145M
- Q121,163,164 : 2SC2412K
- Q122,162 : DTC114TK
- Q123 : DTA124EK
- Q161 : DTA144EK
- Q165 : 2SC2413K
- D121 : DAN202K

MODEL NAME	UNIT No.	(D)	(F)	(E)	C163	R163	R170	R180	R273, R274	CF1.2	W1
KRC-958R	X14-5582-70	YES	YES	0.1	12K	7.5K	3.9K	NO	L72-0716	NO	
KRC-993	X14-5580-21	NO	NO	0.47	8.2K	20K	6.8K	NO	L72-0715	YES	
KRC-953	X14-5580-11	NO	YES	0.47	8.2K	20K	6.8K	NO	L72-0715	YES	
KRC-858R/C/W	X14-5582-71	YES	YES	0.1	12K	12K	3.9K	NO	L72-0716	NO	
KRC-803	X14-5580-12	NO	NO	0.47	8.2K	20K	6.8K	YES	L72-0715	YES	
KRC-903	X14-5580-13	NO	YES	0.47	8.2K	20K	6.8K	NO	L72-0715	YES	
KRC-883W	X14-5580-22	NO	NO	0.47	8.2K	24K	6.8K	YES	L72-0715	YES	
KRC-758R	X14-5582-72	YES	YES	0.1	12K	12K	3.9K	NO	L72-0716	NO	

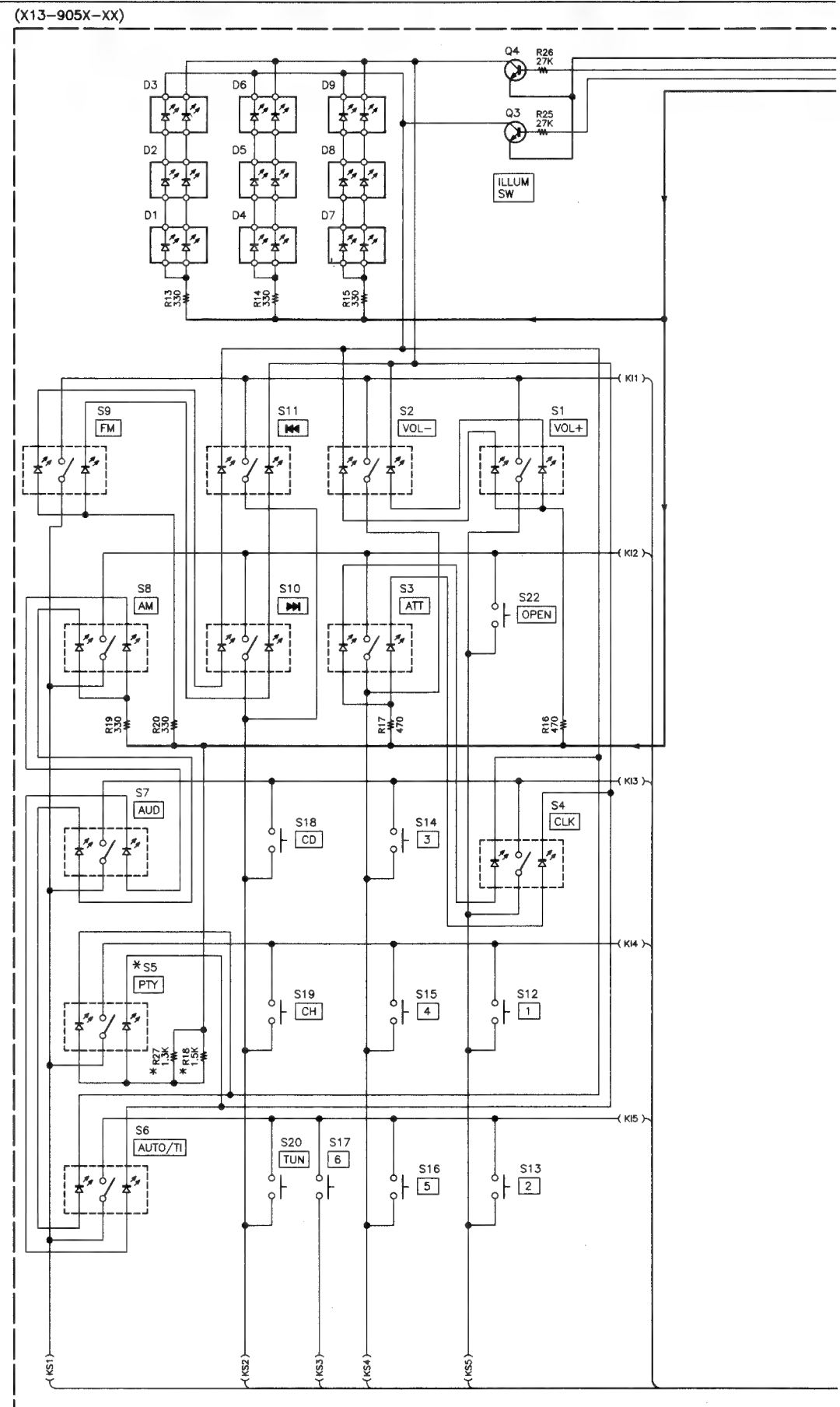


X14-A/2 -CN2
 1/2
 (C)

X14-A/2 -CN6
 1/2
 (A)

X14-A/2 -CNB
 1/2
 (B)

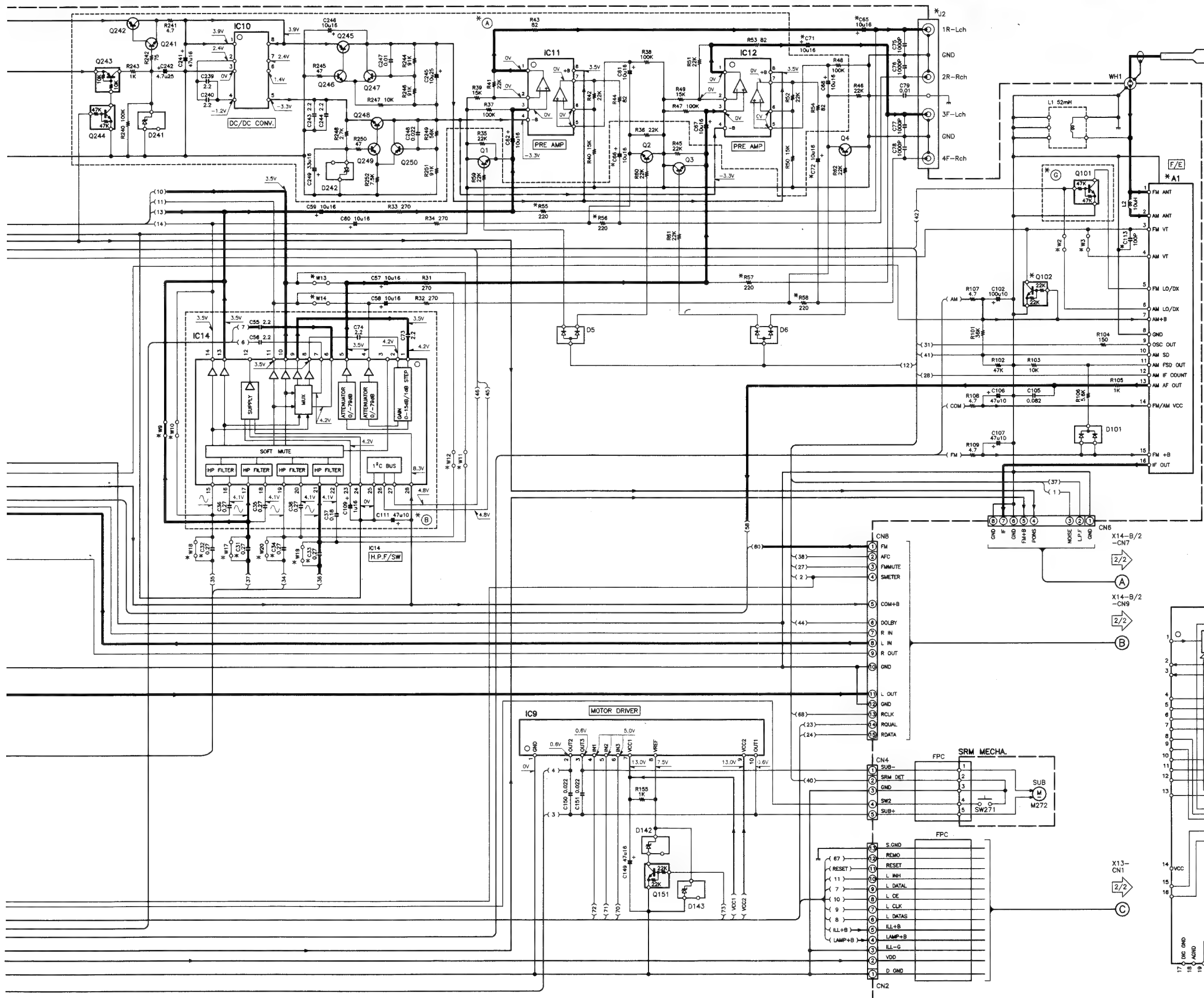
MODEL NAME	UNIT No.	(D)	(F)	(E)	C163	R163	R170	R180	R273, R274	CF1,2	W1
KRC-958R	X14-5582-70	YES	YES		0.1	12K	7.5K	3.9K	NO	L72-0716	NO
KRC-993	X14-5580-21	NO	NO		0.47	8.2K	20K	6.8K	YES	L72-0715	YES
KRC-953	X14-5580-11	NO	YES		0.47	8.2K	20K	6.8K	NO	L72-0715	YES
KRC-858R/C/W	X14-5582-71	YES	YES		0.1	12K	12K	3.9K	NO	L72-0716	NO
KRC-803	X14-5580-12	NO	NO		0.47	8.2K	20K	6.8K	YES	L72-0715	YES
KRC-903	X14-5580-13	NO	YES		0.47	8.2K	20K	6.8K	NO	L72-0715	YES
KRC-883W	X14-5580-22	NO	NO		0.47	8.2K	24K	6.8K	YES	L72-0715	YES
KRC-758R	X14-5582-72	YES	YES		0.1	12K	12K	3.9K	NO	L72-0716	NO



(KS1) (KS2) (KS3) (KS4) (KS5)

ILLUM SW

GND LINE
 +B LINE



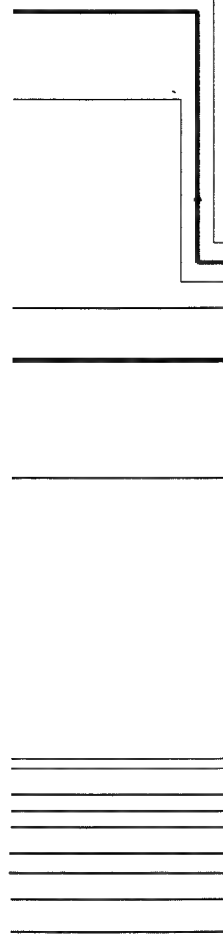
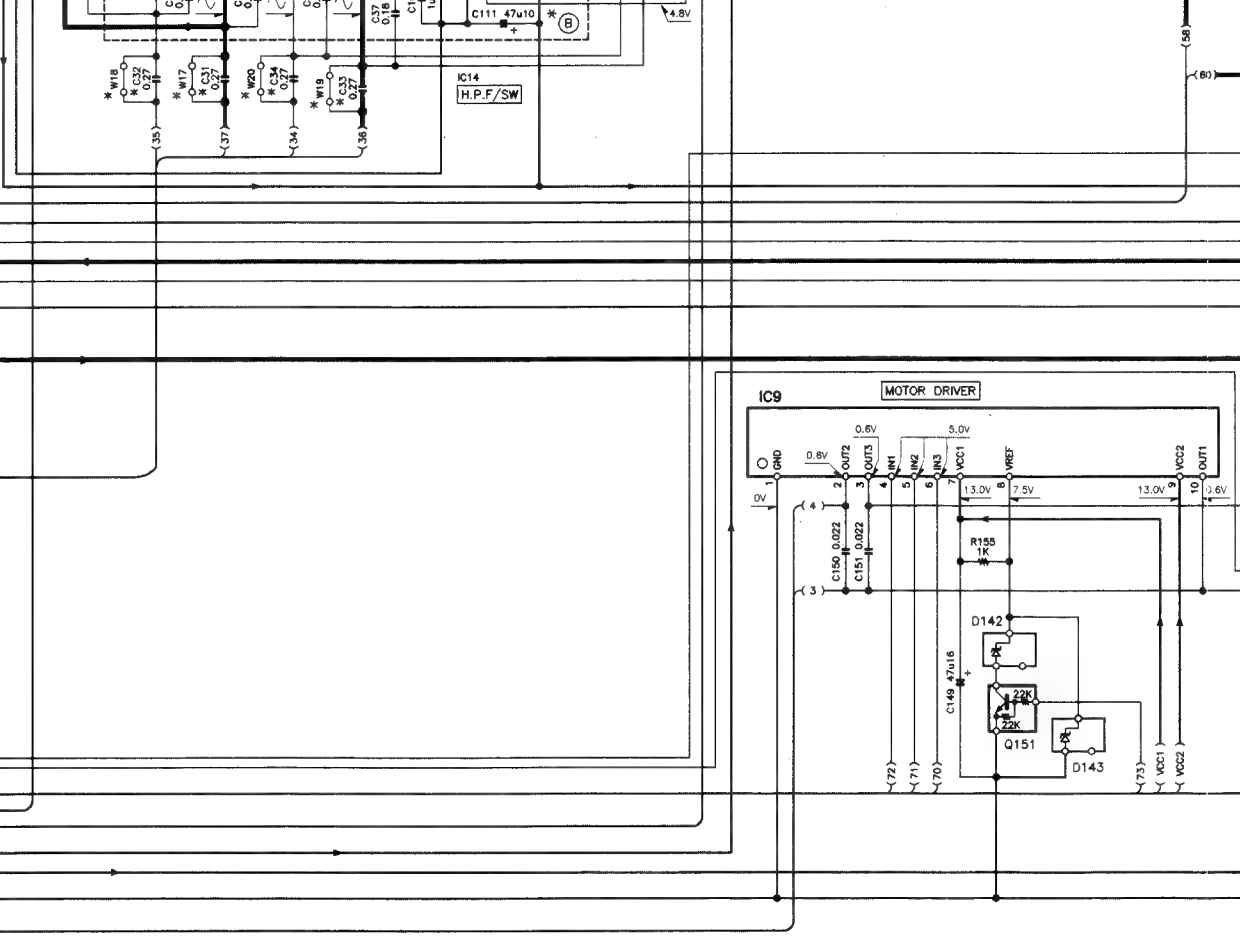
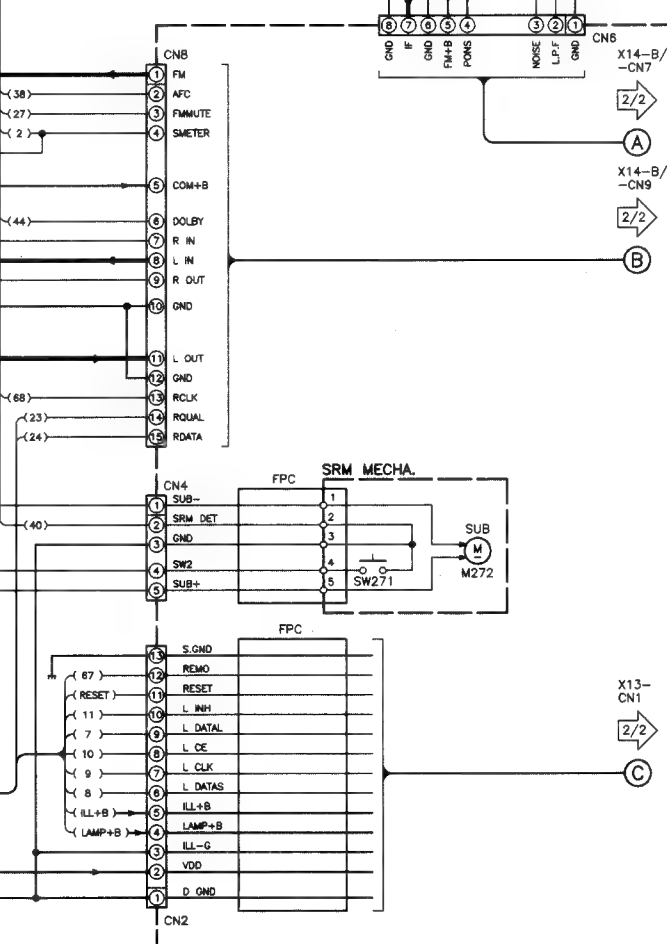
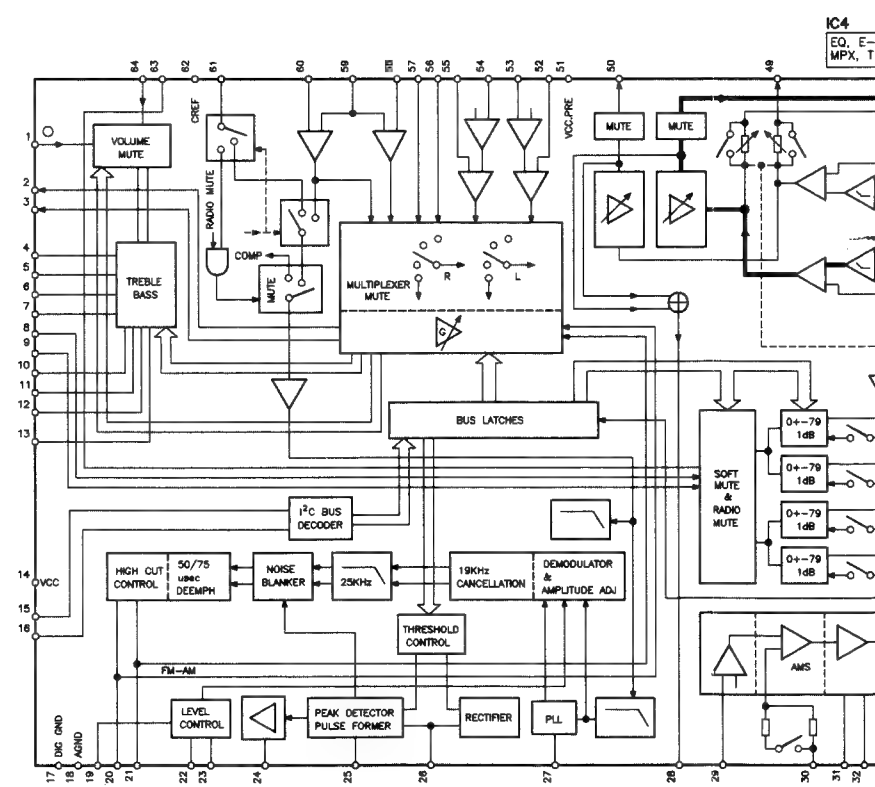
- IC1 : TC4W66F
- IC2 : TD47420
- IC4 : TDA7384A
- IC6 : BA3917-V4
- IC7 : BA6238A
- IC9 : TC7660SE0A
- IC10 : NJM4565M-TE2
- IC11,12 : TDA7435
- IC14 : KK201F
- IC15 : HD74HC27FP
- Q1-4 : 2SD2114K
- Q101,141,205,206,244,308,311 : DTC144EK
- Q102,151,181,232,312 : DTC124EK
- Q142,209,245,249,250 : 2SA1037K
- Q143,144 : 2SK536
- Q191,201,203,241,246-248 : 2SC2412K
- Q251,252,305,307,310 : 2SB1277
- Q202 : DTC114YK
- Q204,302 : 2SD1760
- Q207 : DTA124EK
- Q208,231,306 : 2SB1443
- Q242,301,304 : DTA114EK
- Q243 : DTA114EK
- Q303,309 : 2SB1184
- D1-4,141,208 : DA204K
- D5,6,205 : DAP202K
- D101,181,182,206 : DAN202K
- D142 : MA3068-M
- D143 : MA3075-M
- D201 : RM10ZLF
- D202,204 : UZML6.8FB(Y)
- D203,207,211,301 : AM01Z
- D210 : 1SS181
- D231-233 : UZMA6.2F
- D234 : MA3062-M
- D235 : DAN202K
- D241 : MA3110-L
- D242 : MA3056-M
- D302 : MA3220-H
- D303 : MA3047-M

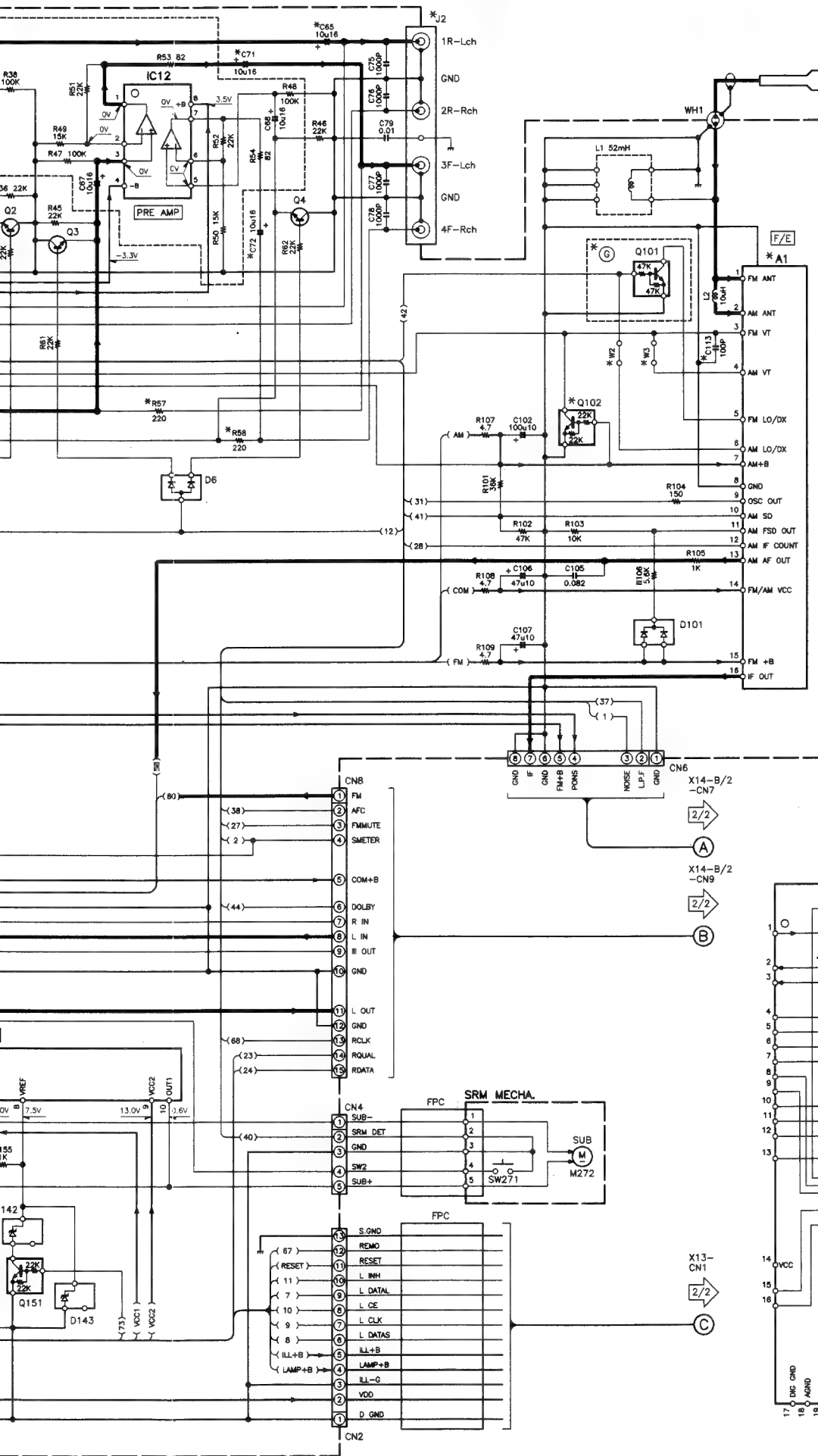
(X14-558X-XX)

MODEL NAME	UNIT No.	(A)	(B)	(C)	(G)	C29,30
KRC-958R	X14-5582-70	YES	YES	YES	YES	4.7
KRC-993	X14-5580-21	YES	YES	NO	NO	4.7
KRC-953	X14-5580-11	YES	YES	NO	NO	4.7
KRC-858R/C/W	X14-5582-71	NO	YES	YES	YES	4.7
KRC-903	X14-5580-13	YES	YES	NO	NO	2.2
KRC-883W	X14-5580-22	NO	YES	NO	NO	4.7
KRC-758R	X14-5582-72	NO	NO	YES	NO	2.2

MODEL NAME	UNIT No.	R198,404	R199	R202,207,209,359
KRC-958R	X14-5582-70	NO	18K	NO
KRC-993	X14-5580-21	YES	39K	YES
KRC-953	X14-5580-11	YES	39K	NO
KRC-858R/C/W	X14-5582-71	NO	18K	NO
KRC-903	X14-5580-13	YES	39K	NO
KRC-883W	X14-5580-22	YES	39K	YES
KRC-758R	X14-5582-72	NO	18K	NO

MODEL NAME	UNIT No.	D203	W2	W3,4	W5-17
KRC-958R	X14-5582-70	NO	YES	NO	NO
KRC-993	X14-5580-21	YES	NO	YES	NO
KRC-953	X14-5580-11	NO	NO	YES	NO
KRC-858R/C/W	X14-5582-71	NO	YES	NO	NO
KRC-903	X14-5580-13	NO	NO	YES	YES
KRC-883W	X14-5580-22	YES	NO	YES	NO
KRC-758R	X14-5582-72	NO	YES	NO	YES





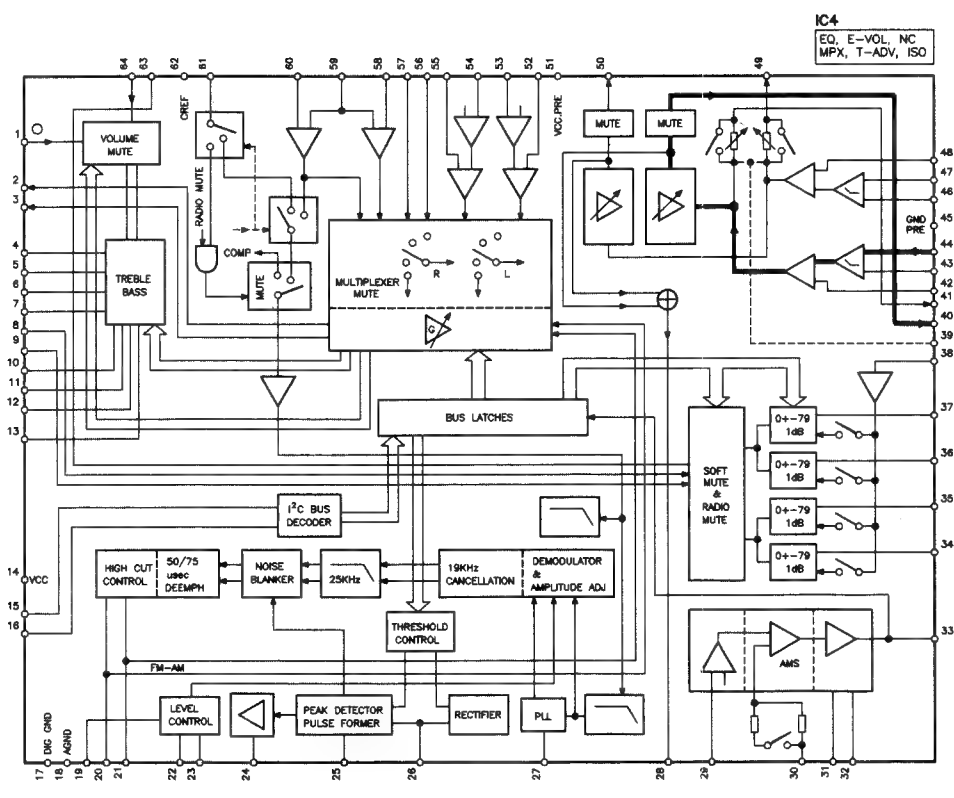
- IC1 : TC4W66F
- IC2 : TD4742D
- IC4 : TD47384A
- IC6 : BA3917-V4
- IC7 : BA6238A
- IC9 : TC76605E0A
- IC10 : NJM4565M-TE2
- IC11,12 : TDA7435
- IC14 : KKZ01F
- IC15 : HD74HC27FP
- IC16 : *
- Q1-4 : 2SD2114K
- Q101,141,205,206,244,308,311 : DTC144EK
- Q102,151,181,232,312 : DTC124EK
- Q142,209,245,249,250 : 2SA1037K
- Q143,144 : 2SK536
- Q191,201,203,241,246-248 : 2SC2412K
- Q202 : 2SB1277
- Q204,302 : DTC114YK
- Q207 : 2SD176D
- Q208,231,306 : DTA124EK
- Q242,301,304 : 2SB1443
- Q243 : DTA114EK
- Q303,309 : 2SB1184
- D1-4,141,208 : DA204K
- D5,6,205 : DAP202K
- D101,181,182,206 : DAN202K
- D142 : MA3068-M
- D143 : MA3075-M
- D201 : RM102LF
- D202,204 : UZML6.8FB(Y)
- D203,207,211,301 : AM01Z
- D210 : 1SS181
- D231-233 : UZMA6.2F
- D234 : MA3062-M
- D235 : DAN202K
- D241 : MA3110-L
- D242 : MA3056-M
- D302 : MA3220-H
- D303 : MA3047-M

(X14-558X-XX)

MODEL NAME	UNIT No.	(A)	(B)	(C)	(D)	C29,30	C31-34	C47-54, 65,113	C66, 71,72	C186	C315	R55-58	R186	R187	R192, 323
KRC-958R	X14-5582-70	YES	YES	YES	YES	4.7	YES	YES	YES	0.01	0.01	NO	180K	3.6K	47K
KRC-993	X14-5580-21	YES	YES	NO	NO	4.7	YES	NO	YES	0.1	0.047	NO	150K	3K	100K
KRC-953	X14-5580-11	YES	YES	NO	NO	4.7	YES	NO	YES	0.1	0.047	NO	150K	3K	100K
KRC-858R/C/W	X14-5582-71	NO	YES	YES	YES	4.7	YES	YES	NO	0.01	0.01	YES	180K	3.6K	47K
KRC-803	X14-5580-12	YES	YES	NO	NO	4.7	YES	NO	YES	0.1	0.047	NO	150K	3K	100K
KRC-903	X14-5580-13	YES	NO	NO	NO	2.2	NO	NO	YES	0.1	0.047	NO	150K	3K	100K
KRC-883W	X14-5580-22	NO	YES	NO	NO	4.7	YES	NO	NO	0.1	0.047	YES	150K	3K	100K
KRC-758R	X14-5582-72	NO	NO	YES	YES	2.2	NO	YES	NO	0.01	0.01	YES	10K	3.6K	47K

MODEL NAME	UNIT No.	R198, 404	R199	R202,207, 209,359	R324	R326, 405	R335	R336	R338	R339	R358	Q102	Q202, 204	D181
KRC-958R	X14-5582-70	NO	18K	NO	22K	YES	YES	NO	NO	YES	NO	YES	NO	YES
KRC-993	X14-5580-21	YES	39K	YES	100K	NO	NO	YES	NO	YES	NO	YES	NO	YES
KRC-953	X14-5580-11	YES	39K	NO	100K	NO	NO	YES	NO	YES	NO	YES	NO	YES
KRC-858R/C/W	X14-5582-71	NO	18K	NO	22K	YES	YES	NO	YES	NO	NO	YES	NO	YES
KRC-803	X14-5580-12	YES	39K	NO	100K	NO	NO	YES	NO	YES	NO	YES	NO	YES
KRC-903	X14-5580-13	YES	39K	NO	100K	NO	YES	NO	NO	YES	YES	NO	NO	YES
KRC-883W	X14-5580-22	YES	39K	YES	100K	NO	YES	NO	NO	YES	NO	NO	YES	NO
KRC-758R	X14-5582-72	NO	18K	NO	22K	YES	NO	YES	NO	NO	NO	YES	NO	YES

MODEL NAME	UNIT No.	D203	W2	W3,4	W9-14, 17-20	J2	A1	IC1
KRC-958R	X14-5582-70	NO	YES	NO	NO	GOLD	W02-1523	178018BGC511
KRC-993	X14-5580-21	YES	NO	YES	NO	GOLD	W02-1524	178016BGC514
KRC-953	X14-5580-11	NO	NO	YES	NO	GOLD	W02-1524	178018BGC513
KRC-858R/C/W	X14-5582-71	NO	YES	NO	NO	E63-0828	W02-1523	178018BGC511
KRC-803	X14-5580-12	NO	NO	YES	NO	E63-0828	W02-1524	178018BGC513
KRC-903	X14-5580-13	NO	NO	YES	YES	E63-0828	W02-1523	178018BGC513
KRC-883W	X14-5580-22	YES	NO	YES	NO	E63-0828	W02-1523	178018BGC513
KRC-758R	X14-5582-72	NO	YES	NO	YES	E63-0828	W02-1524	178018BGC511



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

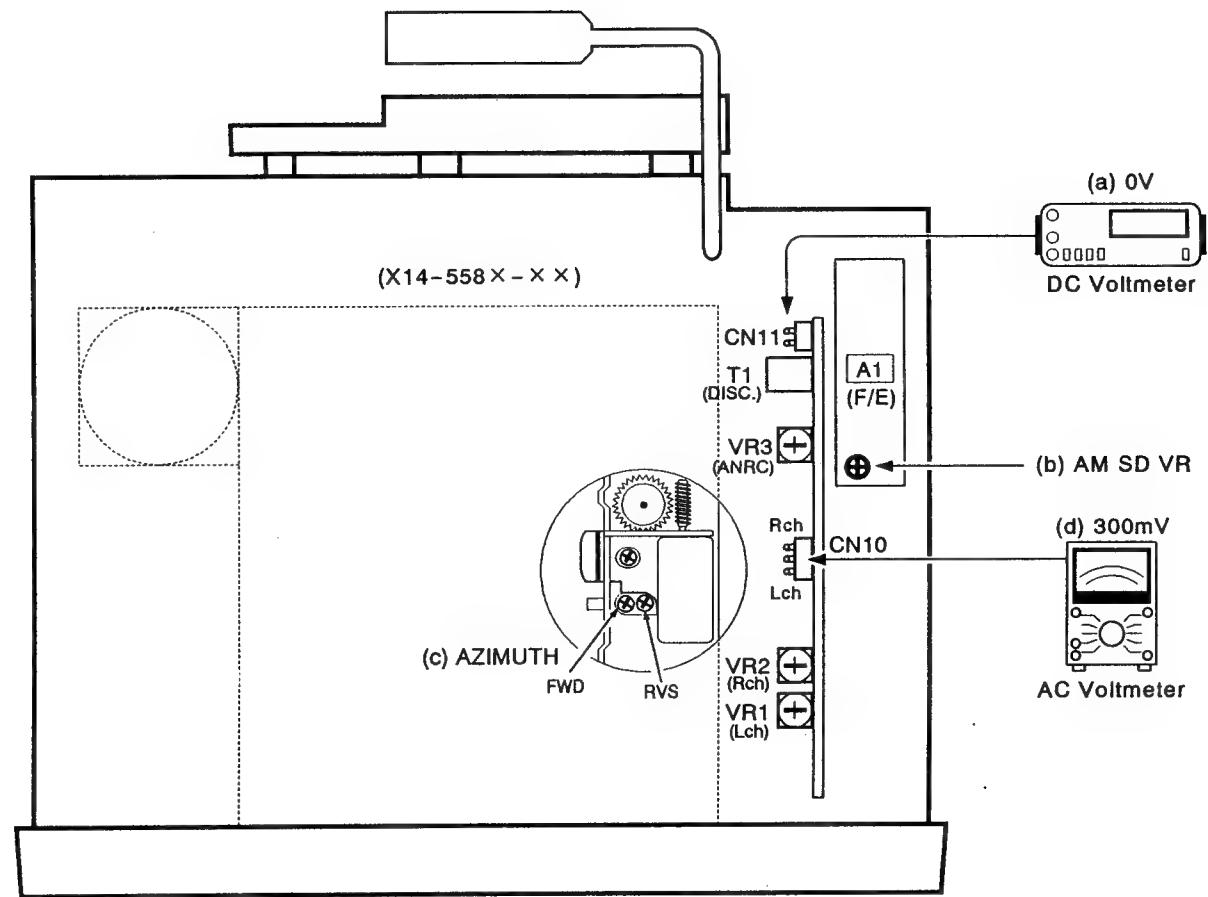
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

1/2

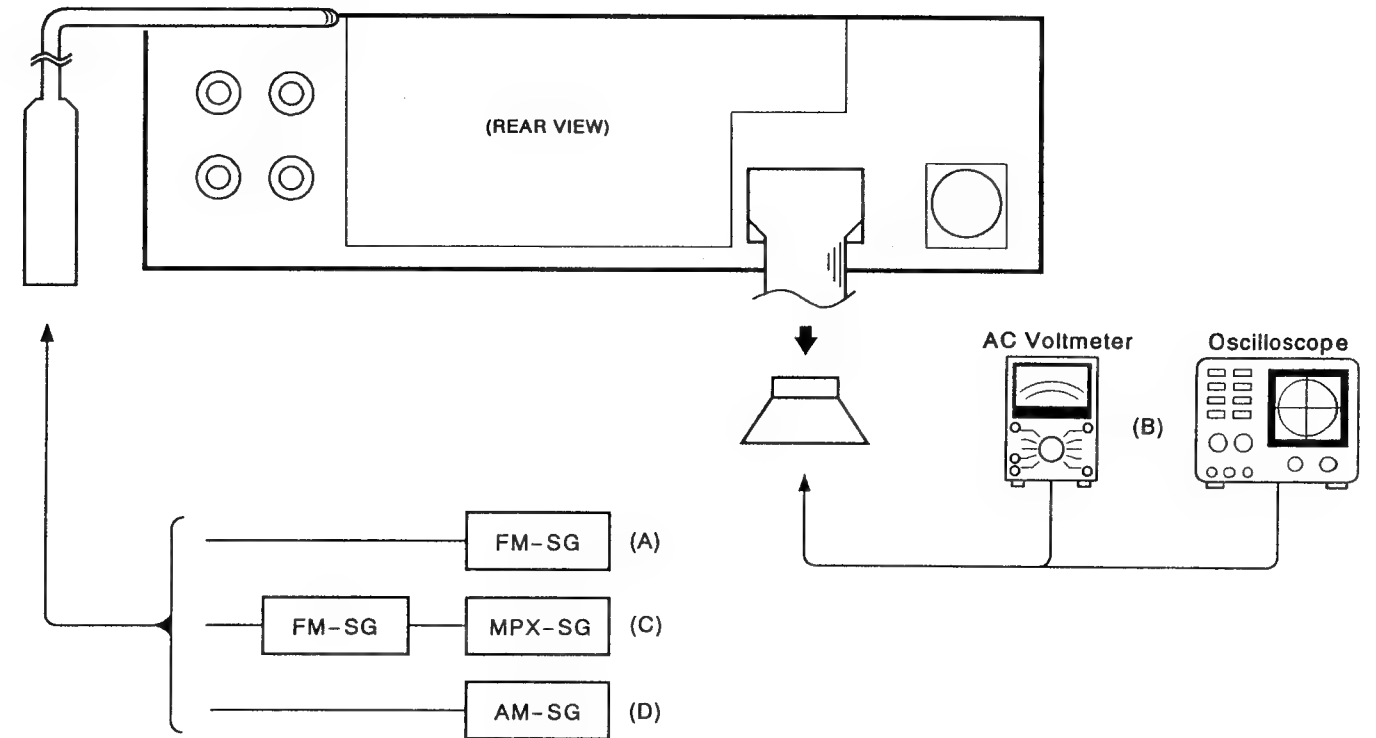
**KRC-758R/803/858R/CW
/883W/903/953/958R/993**

KENWOOD

ADJUSTMENT



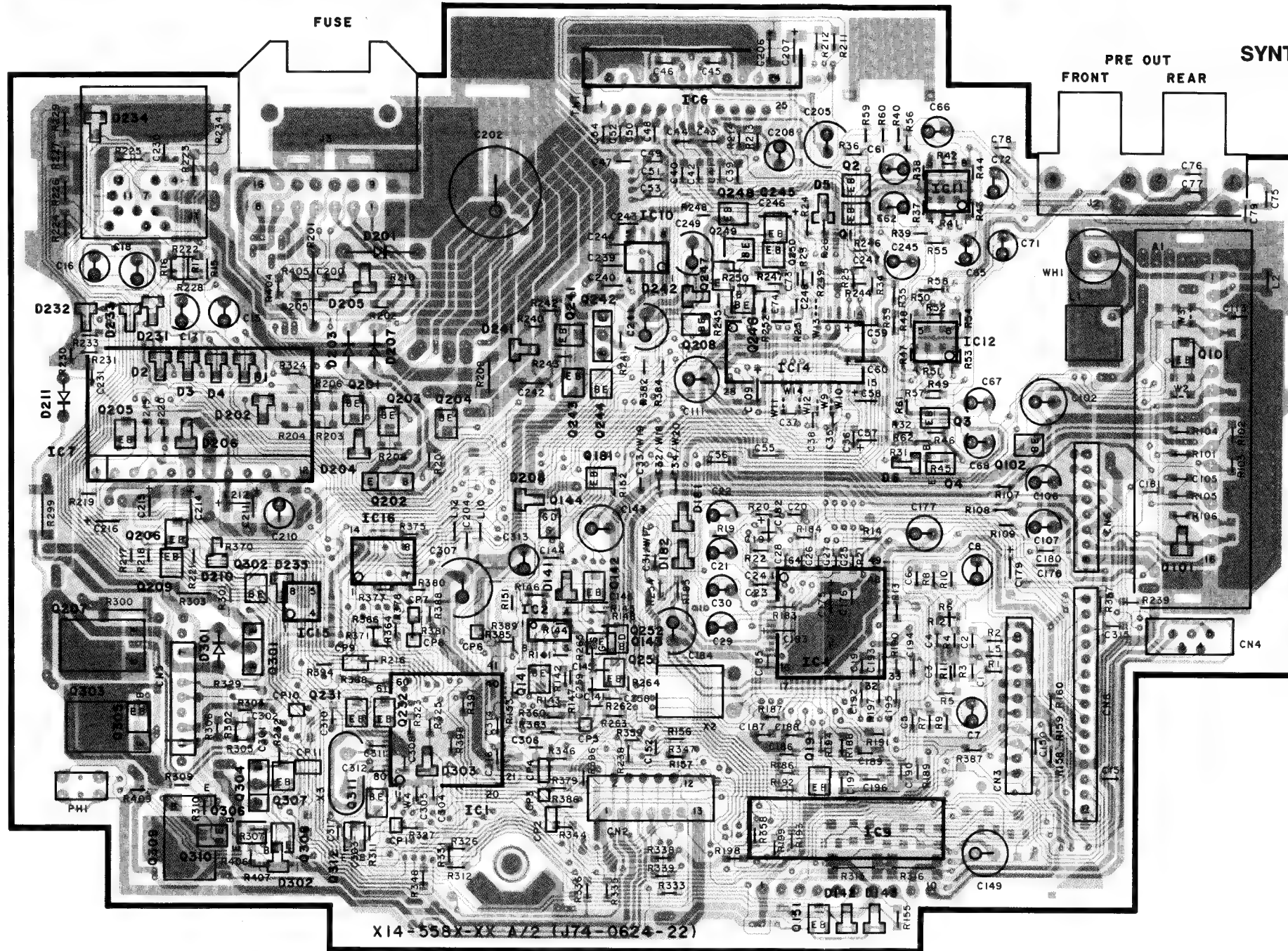
ADJUSTMENT



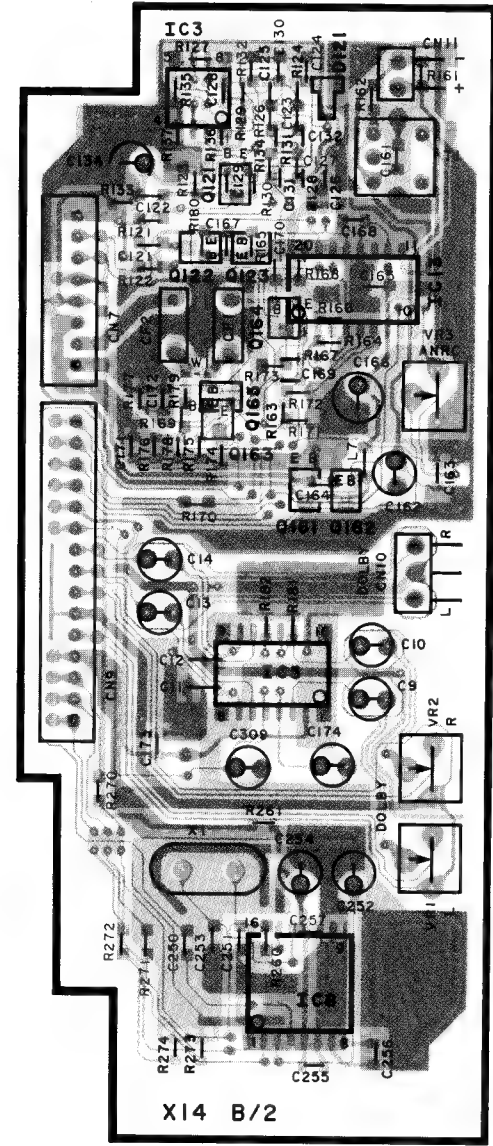
SYNTHESIZER UNIT
(X14-558X-XX)

Ref. NO.	Address
IC	Q
1	4C
2	4D
3	2H
4	4E
5	4I
6	1E
7	3B
8	5I
9	5E
10	2D
11	2F
12	2F
13	2I
14	2E
15	4C
16	3C
1	2E
2	2E
3	3F
4	3F
101	2G
102	3F
121	2H
122	2H
123	2H
141	4D
142	4D
143	4D
144	3D
151	5E
161	3I
162	3I
163	3H
164	2I
165	3H
181	3D
191	4E
201	3C
202	3C
203	3C
204	3C
205	3B
206	3B
207	4B
208	2E
209	3B
231	4C
232	4C
241	2D
242	2D
243	3D
244	3D
245	2D
246	2E
247	2E
248	2E
251	4D
252	4D
301	4C
302	4C
303	4B
304	4C
305	4B
306	5B
307	4C
308	5C
309	5B
310	5B
311	4C
312	5C

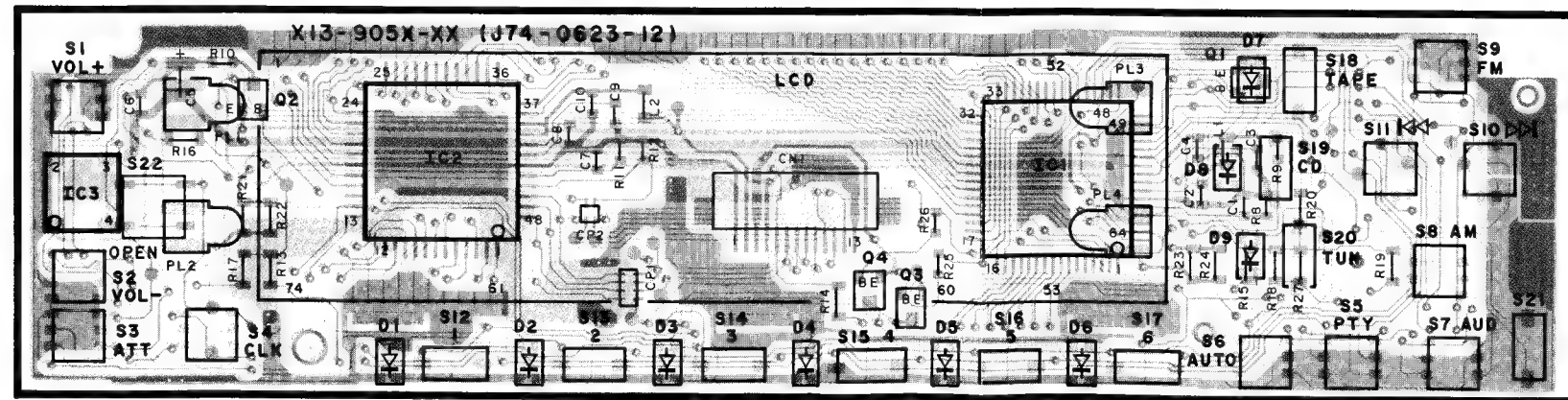
PC BOARD (Component side view)



SYNTHESIZER UNIT (X14-558X-X)



SWITCH UNIT (X13-905X-XX)



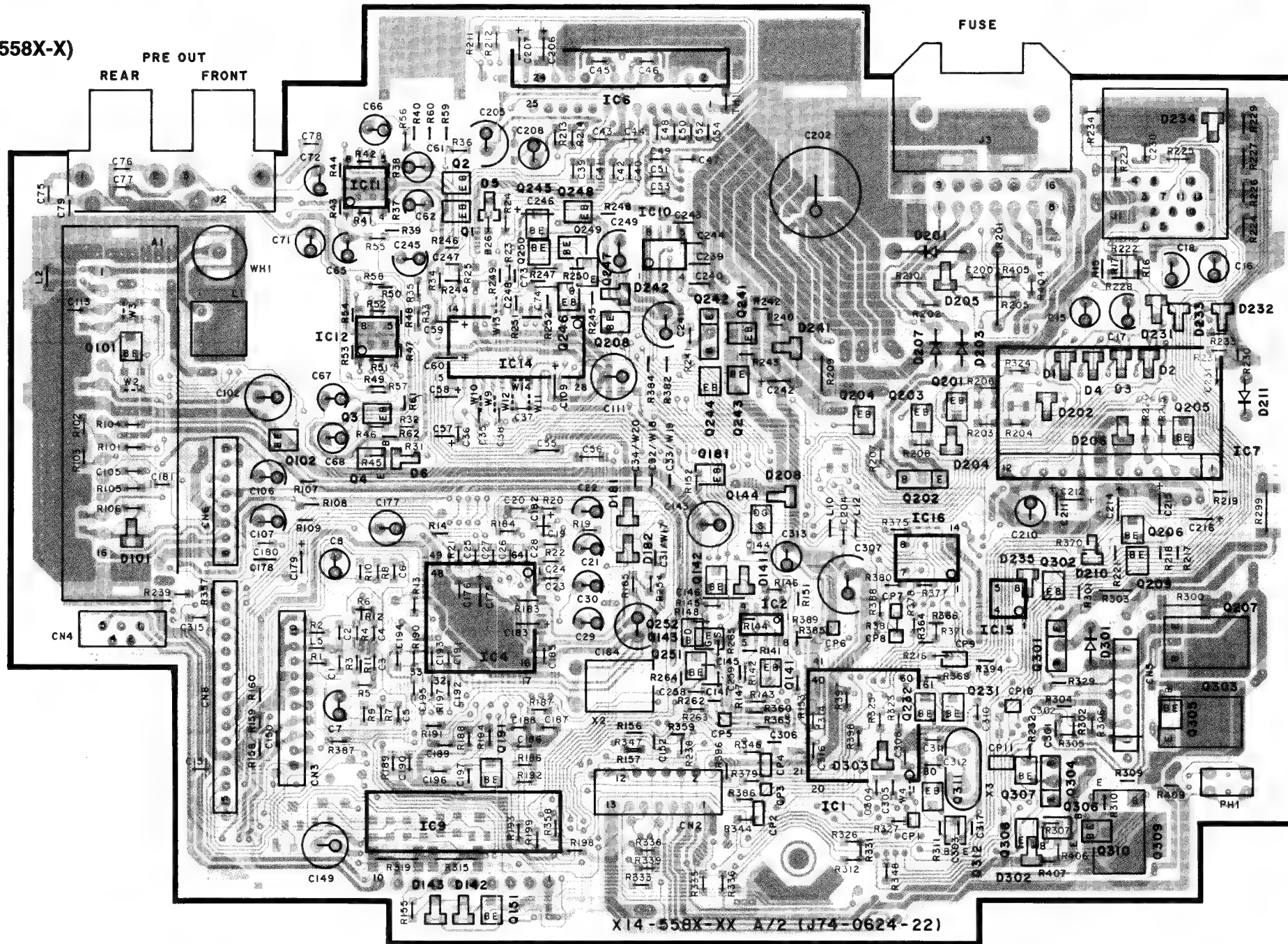
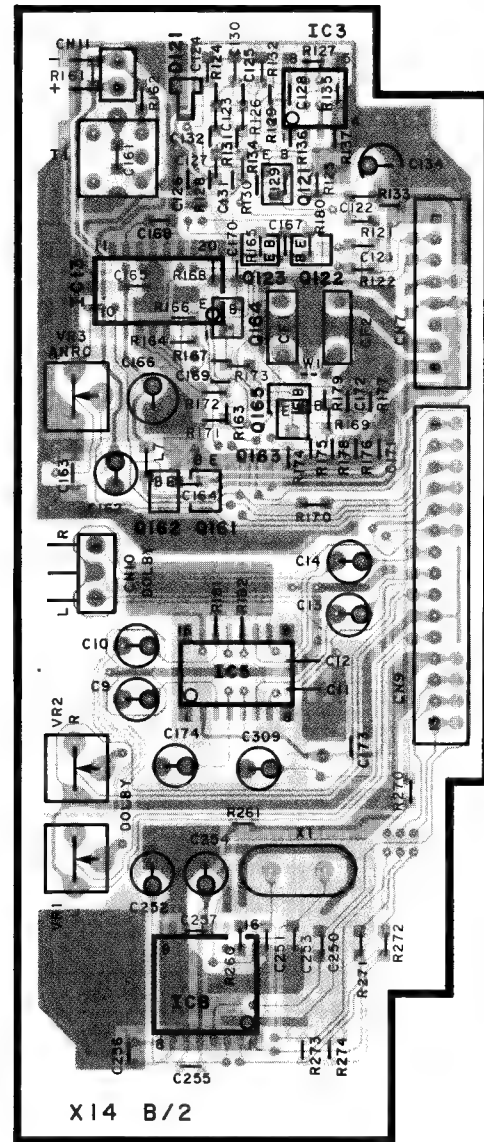
SWITCH UNIT
(X13-905X-XX)

Ref. NO.	Address
IC	Q
1	6E
2	6C
3	6B
1	6F
2	6C
3	7E
4	6E

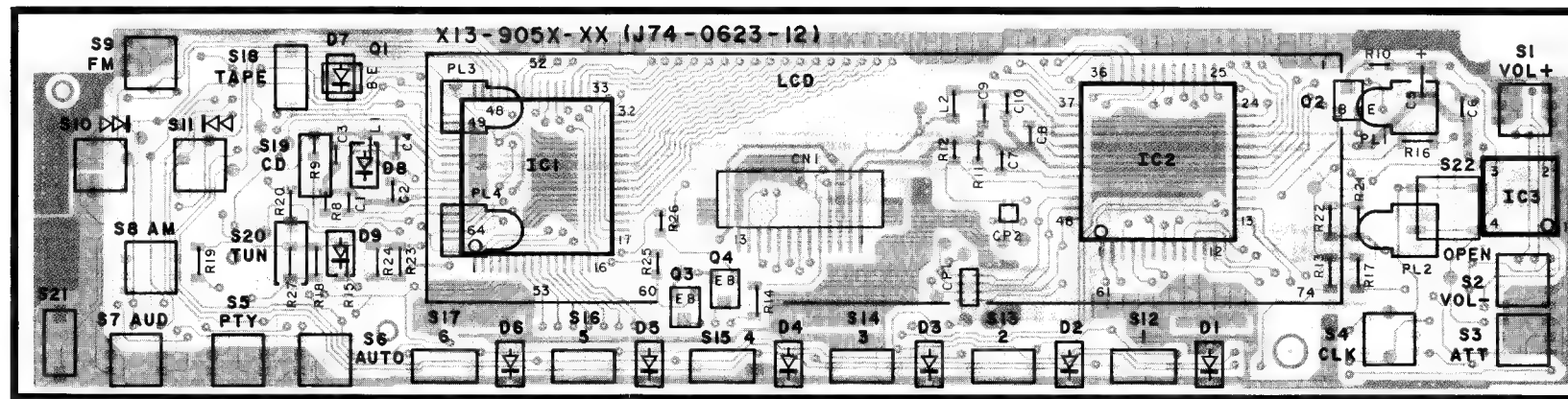
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (Foil side view)

SYNTHESIZER UNIT (X14-558X-X)



SWITCH UNIT (X13-905X-XX)



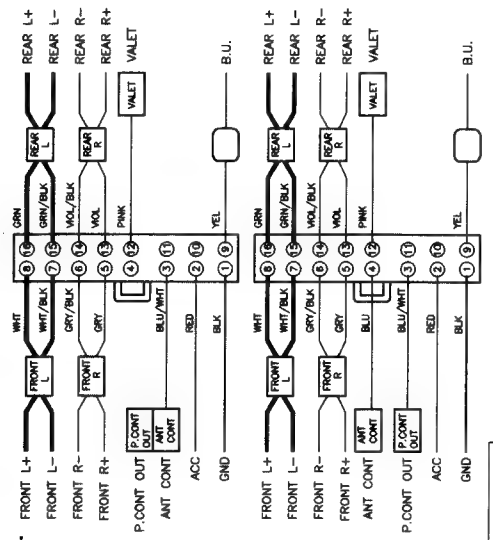
SWITCH UNIT (X13-905X-XX)

Ref. NO.	Address
IC Q	
1	6N
2	6P
3	6Q
1	6M
2	6P
3	7N
4	6N

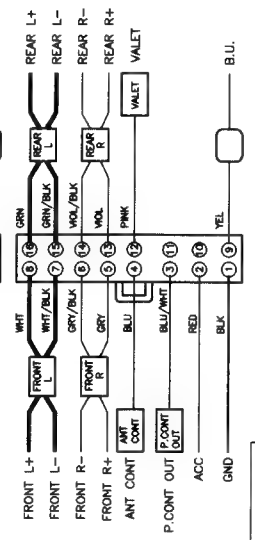
SYNTHESIZER UNIT (X14-558X-XX)

Ref. NO.	Address
IC Q	
1	4O
2	4O
3	2K
4	4N
5	4J
6	1N
7	3Q
8	5J
9	5N
10	2O
11	2M
12	2M
13	2J
14	2N
15	4P
16	3P
1	2N
2	2N
3	3M
4	3M
101	2L
102	3M
121	2K
122	2K
123	2K
141	4O
142	4O
143	4O
144	3O
151	5N
161	3J
162	3J
163	3K
164	2J
165	3K
181	3O
191	4N
201	3P
202	3P
203	3P
204	3P
205	3Q
206	3Q
207	4Q
208	2N
209	3Q
231	4P
232	4P
241	2O
242	2O
243	3O
244	3O
245	2N
246	2N
247	2N
248	2N
251	4O
252	4O
301	4P
302	4P
303	4Q
304	5P
305	4Q
306	5P
307	5P
308	5P
309	5Q
310	5Q
311	5P
312	5P

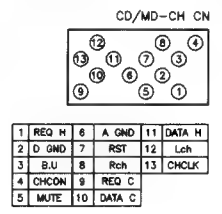
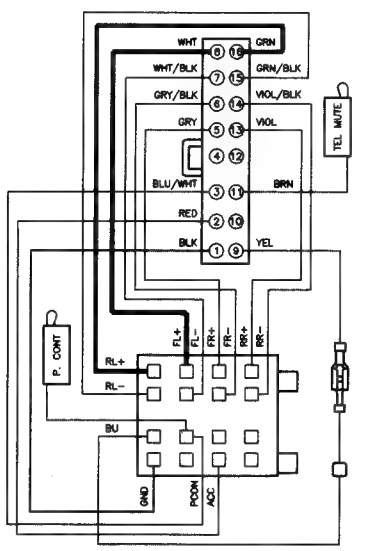
DC CORD
(E30-4436-05)
KRC-803, 903, 953(K)



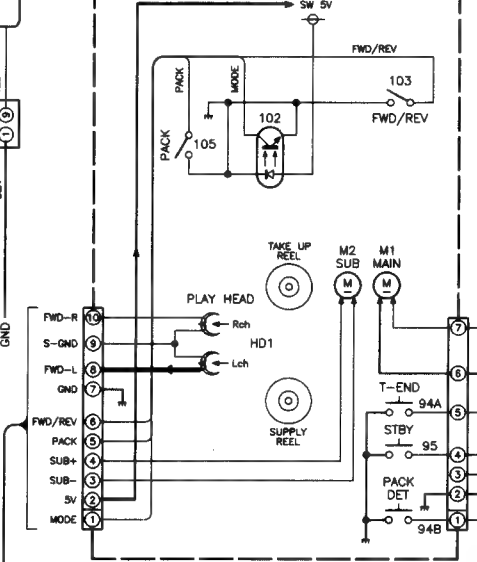
DC CORD
(E30-4437-05)
KRC-883W, 993(M)



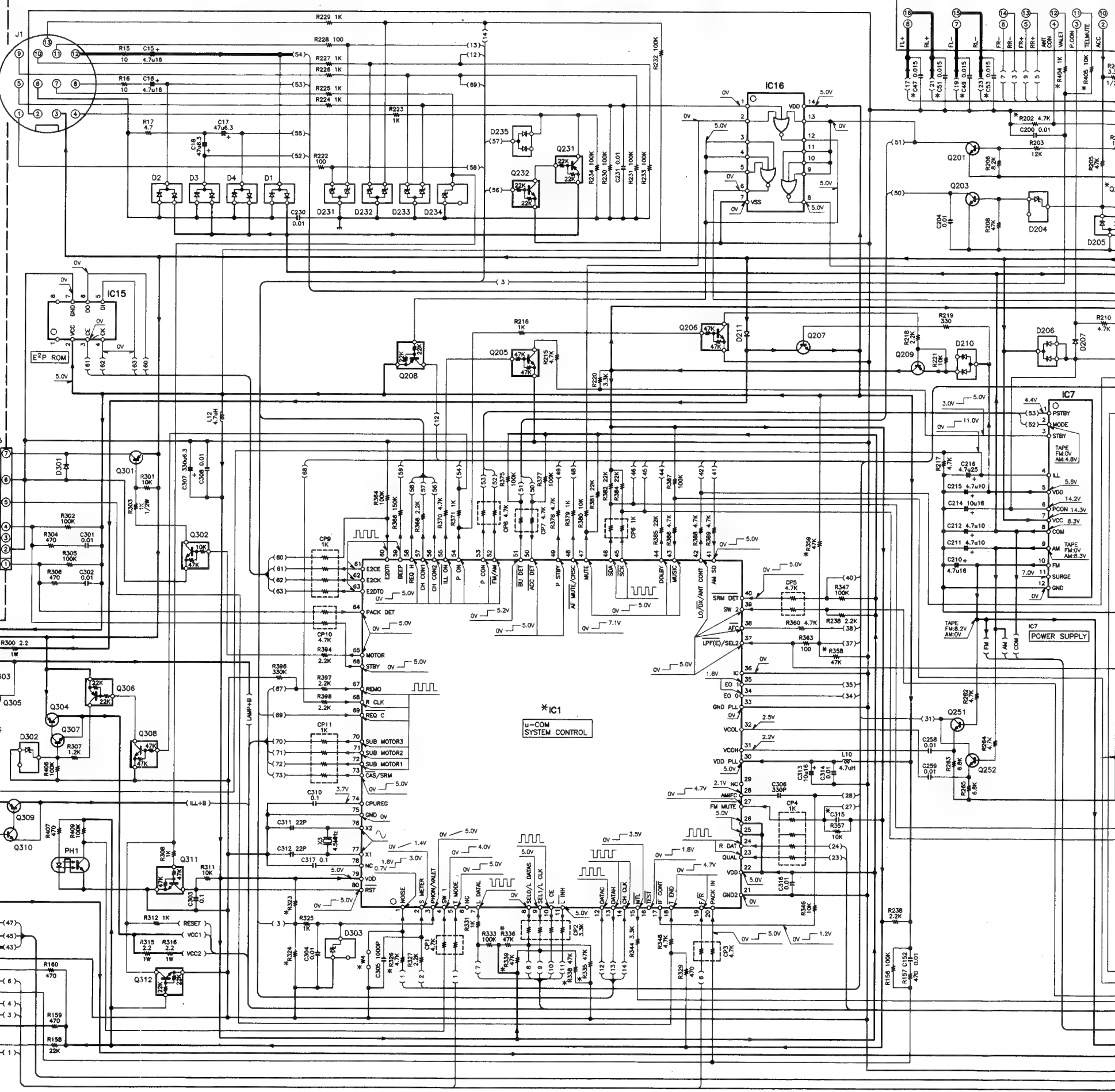
DC CORD
(E30-4435-05)
KRC-758R, 858R/C/W, 958R

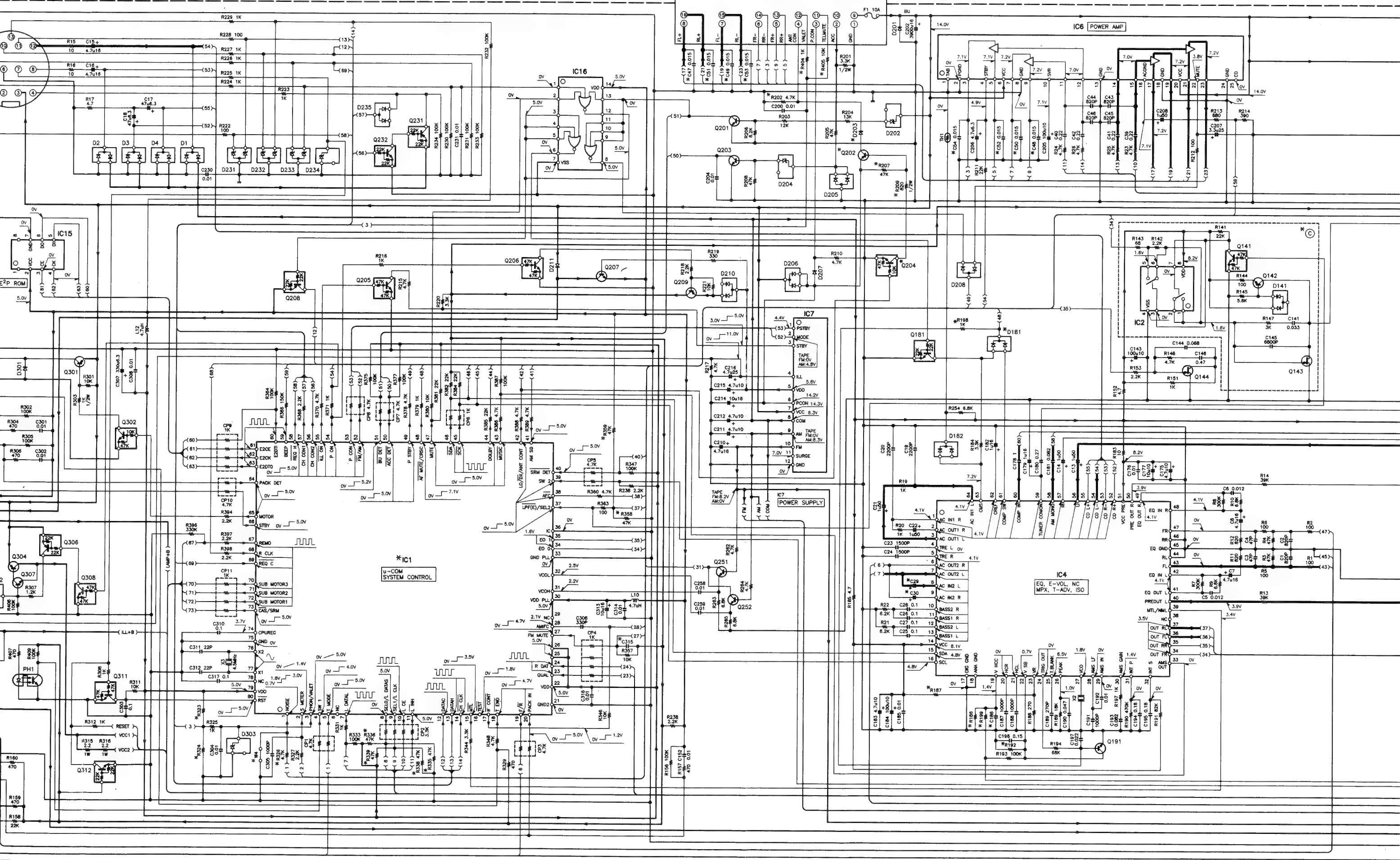


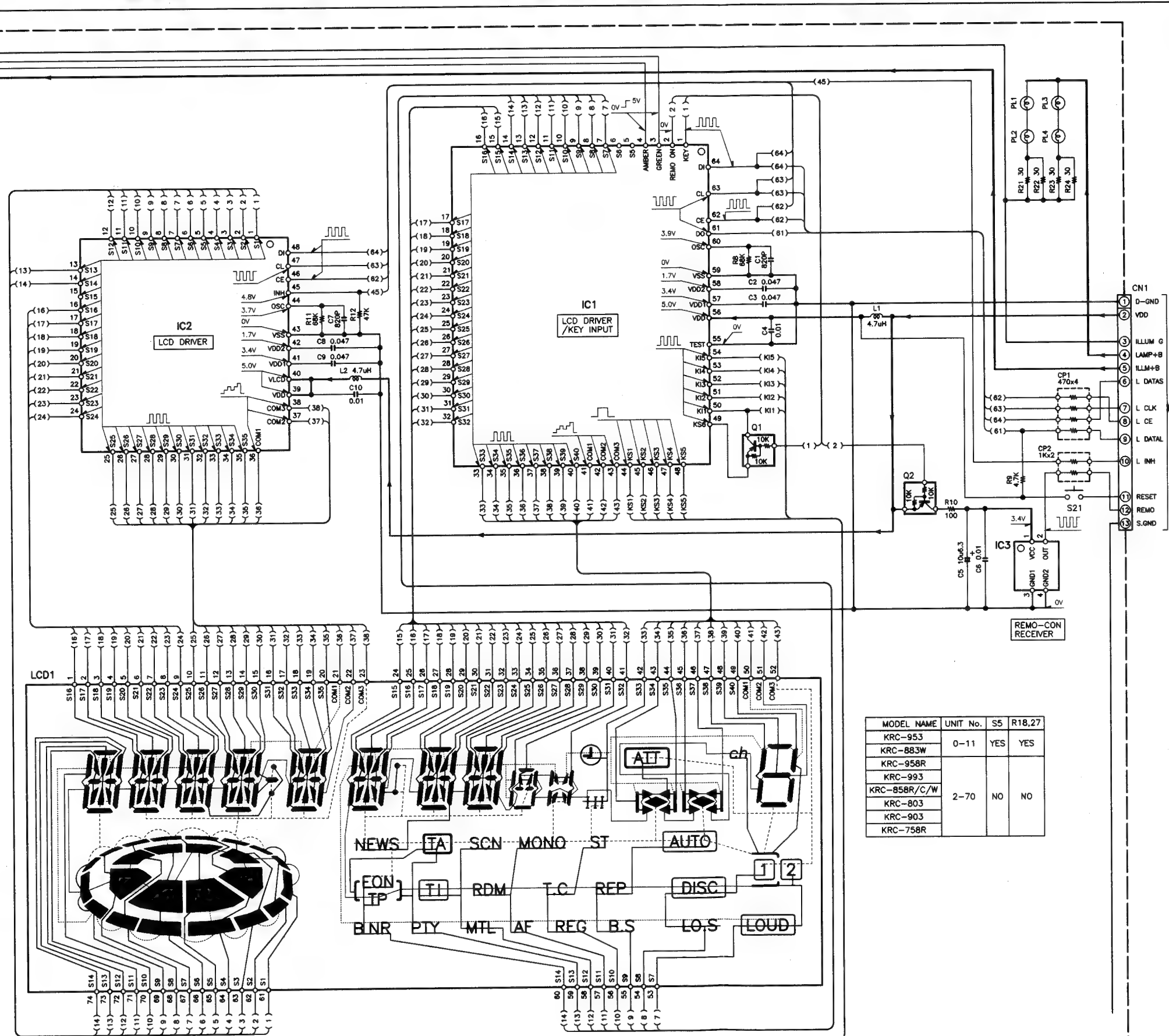
TAPE MECHA
(D40-1082-05)



(X14-558X-XX) (A/2)







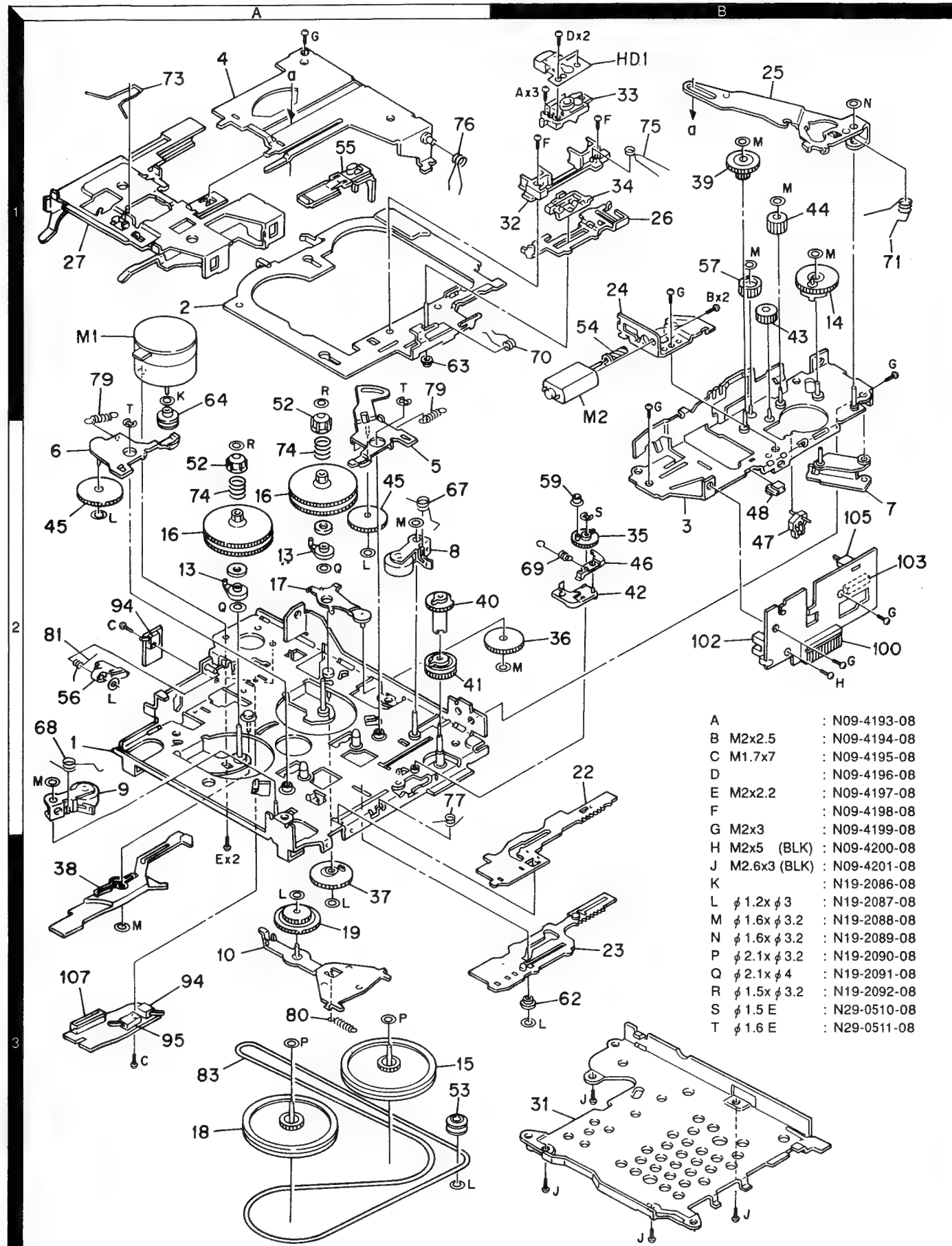
MODEL NAME	UNIT No.	SS	R18,27
KRC-953	0-11	YES	YES
KRC-883W			
KRC-958R			
KRC-993			
KRC-858R/C/W	2-70	NO	NO
KRC-803			
KRC-903			
KRC-758R			

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

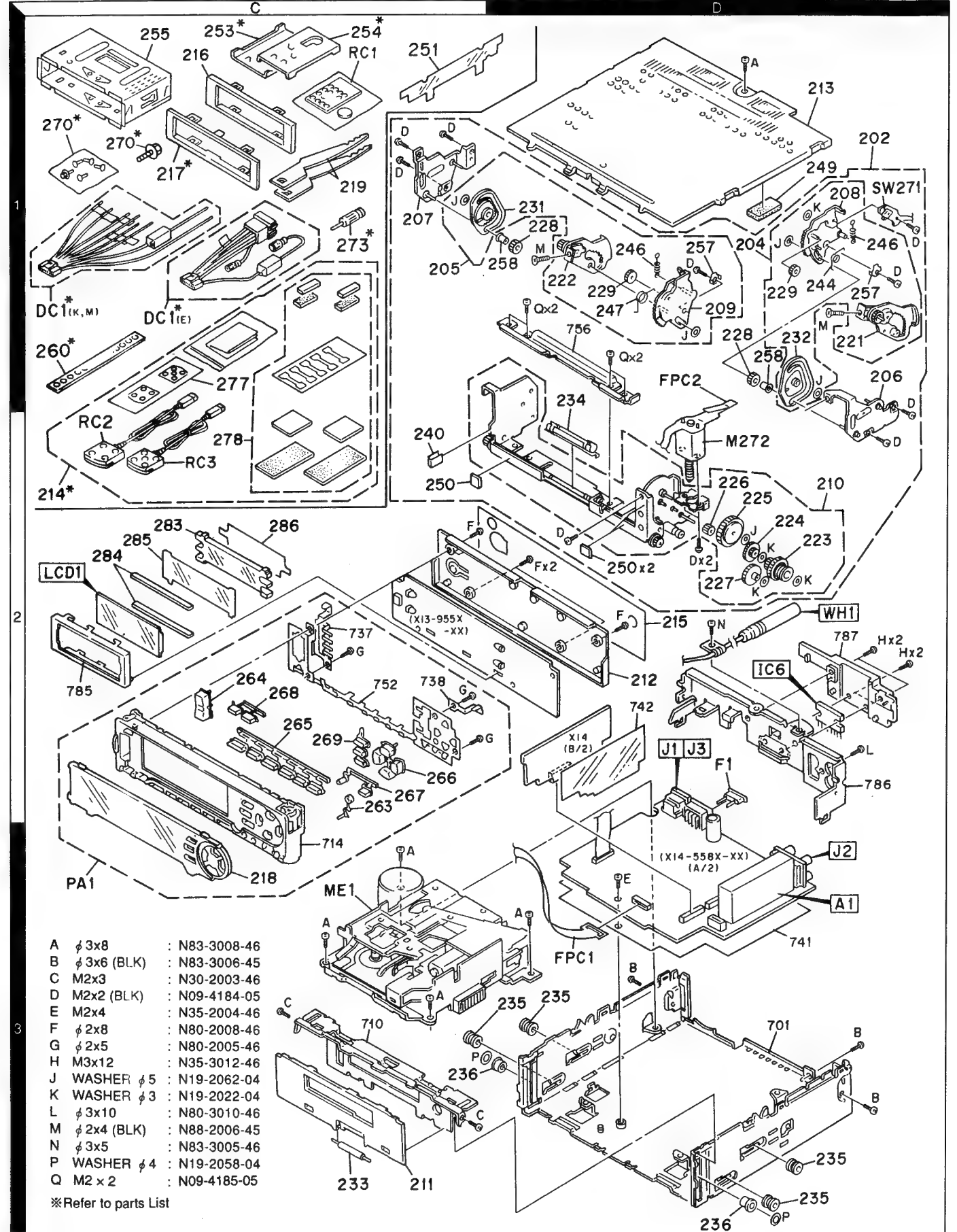
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

**KRC-758R/803/858R/CW
/883W/903/953/958R/993**

EXPLODED VIEW (MECHANISM UNIT)



EXPLODED VIEW (UNIT)



PARTS LIST

(X14-558X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
CP9			R90-0724-05	MULTI-COMP 1KX4		R129			RK73FB2A563J	CHIP R 56K J 1/10W	E0E1E2
CP10			R90-0719-05	MULTI-COMP 4.7K X2		R129			RK73FB2A563J	CHIP R 56K J 1/10W	E3E4
CP11			R90-0724-05	MULTI-COMP 1KX4		R130			RK73FB2A562J	CHIP R 5.6K J 1/10W	E0E1E2
R1 ,2			RK73FB2A101J	CHIP R 100 J 1/10W		R130			RK73FB2A562J	CHIP R 5.6K J 1/10W	E3E4
R3 ,4			RK73FB2A473J	CHIP R 47K J 1/10W		R130			RK73FB2A562J	CHIP R 5.6K J 1/10W	E4
R5 ,6			RK73FB2A101J	CHIP R 100 J 1/10W		R131			RK73FB2A272J	CHIP R 2.7K J 1/10W	E0E1E2
R7 ,8			RK73FB2A304J	CHIP R 300K J 1/10W		R131			RK73FB2A272J	CHIP R 2.7K J 1/10W	E3E4
R9 ,10			RK73FB2A682J	CHIP R 6.8K J 1/10W		R132			RK73FB2A823J	CHIP R 82K J 1/10W	E0E1E2
R11 ,12			RK73FB2A821J	CHIP R 820 J 1/10W		R132			RK73FB2A823J	CHIP R 82K J 1/10W	E3E4
R13 ,14			RK73FB2A393J	CHIP R 39K J 1/10W		R133			RK73FB2A220J	CHIP R 22 J 1/10W	E0E1E2
R15 ,16			RK73EB2B100J	CHIP R 10 J 1/8W		R133			RK73FB2A220J	CHIP R 22 J 1/10W	E3E4
R17			RK73EB2B4R7J	CHIP R 4.7 J 1/8W		R134-137			RK73FB2A103J	CHIP R 10K J 1/10W	E0E1E2
R19 ,20			RK73FB2A102J	CHIP R 1.0K J 1/10W		R134-137			RK73FB2A103J	CHIP R 10K J 1/10W	E3E4
R21 ,22			RK73FB2A622J	CHIP R 6.2K J 1/10W		R141			RK73FB2A223J	CHIP R 22K J 1/10W	E0E1E2
R23 -26			RK73FB2A472J	CHIP R 4.7K J 1/10W		R141			RK73FB2A223J	CHIP R 22K J 1/10W	E3E4
R31 -34			RK73FB2A271J	CHIP R 270 J 1/10W		R142			RK73FB2A222J	CHIP R 2.2K J 1/10W	E0E1E2
R35 ,36			RK73FB2A223J	CHIP R 22K J 1/10W		R142			RK73FB2A222J	CHIP R 2.2K J 1/10W	E3E4
R37 ,38			RK73FB2A104J	CHIP R 100K J 1/10W	E0M1K1	R143			RK73FB2A680J	CHIP R 68 J 1/10W	E0E1E2
R37 ,38			RK73FB2A104J	CHIP R 100K J 1/10W	K2K3	R143			RK73FB2A680J	CHIP R 68 J 1/10W	E3E4
R39 ,40			RK73FB2A153J	CHIP R 15K J 1/10W	E0M1K1	R144			RK73FB2A101J	CHIP R 100 J 1/10W	E0E1E2
R39 ,40			RK73FB2A153J	CHIP R 15K J 1/10W	K2K3	R144			RK73FB2A562J	CHIP R 5.6K J 1/10W	E3E4
R41 ,42			RK73FB2A223J	CHIP R 22K J 1/10W	E0M1K1	R145			RK73FB2A562J	CHIP R 5.6K J 1/10W	E0E1E2
R41 ,42			RK73FB2A223J	CHIP R 22K J 1/10W	K2K3	R145			RK73FB2A332J	CHIP R 3.3K J 1/10W	E3E4
R41 ,42			RK73FB2A223J	CHIP R 22K J 1/10W	K2K3	R146			RK73FB2A332J	CHIP R 3.3K J 1/10W	E3E4
R43 ,44			RK73FB2A820J	CHIP R 82 J 1/10W	E0M1K1	R146			RK73FB2A332J	CHIP R 3.3K J 1/10W	E3E4
R43 ,44			RK73FB2A820J	CHIP R 82 J 1/10W	K2K3	R147			RK73FB2A302J	CHIP R 3.0K J 1/10W	E0E1E2
R45 ,46			RK73FB2A223J	CHIP R 22K J 1/10W		R147			RK73FB2A302J	CHIP R 3.0K J 1/10W	E3E4
R47 ,48			RK73FB2A104J	CHIP R 100K J 1/10W	E0M1K1	R148			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R47 ,48			RK73FB2A104J	CHIP R 100K J 1/10W	K2K3	R151			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R49 ,50			RK73FB2A153J	CHIP R 15K J 1/10W	E0M1K1	R152			RK73FB2A4R7J	CHIP R 4.7 J 1/10W	
R49 ,50			RK73FB2A153J	CHIP R 15K J 1/10W	K2K3	R153			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R51 ,52			RK73FB2A223J	CHIP R 22K J 1/10W	E0M1K1	R155			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R51 ,52			RK73FB2A223J	CHIP R 22K J 1/10W	K2K3	R156			RK73FB2A104J	CHIP R 100K J 1/10W	
R53 ,54			RK73FB2A820J	CHIP R 82 J 1/10W	E0M1K1	R157			RK73FB2A471J	CHIP R 470 J 1/10W	
R53 ,54			RK73FB2A820J	CHIP R 82 J 1/10W	K2K3	R158			RK73FB2A223J	CHIP R 22K J 1/10W	
R55 -58			RK73FB2A221J	CHIP R 220 J 1/10W	M2K3E4	R159,160			RK73FB2A471J	CHIP R 470 J 1/10W	
R55 -58			RK73FB2A221J	CHIP R 220 J 1/10W	E1E2E3	R161			RK73FB2A163J	CHIP R 16K J 1/10W	
R59 -62			RK73FB2A223J	CHIP R 22K J 1/10W		R162			RK73FB2A103J	CHIP R 10K J 1/10W	
R101			RK73FB2A363J	CHIP R 36K J 1/10W		R163			RK73FB2A333J	CHIP R 33K J 1/10W	E0E1E2
R101			RK73FB2A363J	CHIP R 36K J 1/10W		R163			RK73FB2A333J	CHIP R 33K J 1/10W	E3E4
R102			RK73FB2A473J	CHIP R 47K J 1/10W		R166			RK73FB2A822J	CHIP R 8.2K J 1/10W	K3M2
R103			RK73FB2A103J	CHIP R 10K J 1/10W		R163			RK73FB2A822J	CHIP R 8.2K J 1/10W	M1K1K2
R104			RK73FB2A151J	CHIP R 150 J 1/10W		R164			RK73FB2A223J	CHIP R 22K J 1/10W	
R105			RK73FB2A102J	CHIP R 1.0K J 1/10W		R165			RK73FB2A473J	CHIP R 47K J 1/10W	
R106			RK73FB2A562J	CHIP R 5.6K J 1/10W		R166			RK73FB2A513J	CHIP R 51K J 1/10W	
R107-109			RK73FB2A4R7J	CHIP R 4.7 J 1/10W		R167			RK73FB2A331J	CHIP R 330 J 1/10W	
R121			RK73FB2A103J	CHIP R 10K J 1/10W	E0E1E2	R168			RK73FB2A562J	CHIP R 5.6K J 1/10W	
R121			RK73FB2A103J	CHIP R 10K J 1/10W	E3E4	R169			RK73FB2A102J	CHIP R 1.0K J 1/10W	E0K1E1
R122			RK73FB2A222J	CHIP R 2.2K J 1/10W	E0E1E2	R169			RK73FB2A102J	CHIP R 1.0K J 1/10W	E2E3
R122			RK73FB2A222J	CHIP R 2.2K J 1/10W	E3E4	R169			RK73FB2A102J	CHIP R 1.0K J 1/10W	K3E4
R123			RK73FB2A104J	CHIP R 100K J 1/10W	E0E1E2	R170			RK73FB2A123J	CHIP R 12K J 1/10W	E1E2E3
R123			RK73FB2A104J	CHIP R 100K J 1/10W	E3E4	R170			RK73FB2A123J	CHIP R 12K J 1/10W	E4
R124			RK73FB2A103J	CHIP R 10K J 1/10W	E0E1E2	R170			RK73FB2A203J	CHIP R 20K J 1/10W	K3
R124			RK73FB2A103J	CHIP R 10K J 1/10W	E3E4	R170			RK73FB2A203J	CHIP R 20K J 1/10W	M1K1K2
R126			RK73FB2A562J	CHIP R 5.6K J 1/10W	E0E1E2	R170			RK73FB2A243J	CHIP R 24K J 1/10W	M2
R126			RK73FB2A562J	CHIP R 5.6K J 1/10W	E3E4	R170			RK73FB2A752J	CHIP R 7.5K J 1/10W	E0
R127			RK73FB2A103J	CHIP R 10K J 1/10W	E0E1E2	R171,172			RK73FB2A472J	CHIP R 4.7K J 1/10W	EK1E1
R127			RK73FB2A103J	CHIP R 10K J 1/10W	E3E4	R171,172			RK73FB2A472J	CHIP R 4.7K J 1/10W	E2E3
R128			RK73FB2A153J	CHIP R 15K J 1/10W	E0E1E2	R171,172			RK73FB2A472J	CHIP R 4.7K J 1/10W	K3E4
R128			RK73FB2A153J	CHIP R 15K J 1/10W	E3E4						

K1 : KRC-953 M1 : KRC-993 E0 : KRC-958R E3 : KRC-858W
K2 : KRC-803 M2 : KRC-883W E1 : KRC-858R E4 : KRC-758R
K3 : KRC-903 E2 : KRC-858C

△ indicates safety critical components.

E: Europe K: North America M: Other Areas

PARTS LIST

(X14-558X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
R172			RK73FB2A472J	CHIP R 4.7K J 1/10W	M1M2K2	R222			RK73EB2B101J	CHIP R 100 J 1/8W	
R173			RK73FB2A680J	CHIP R 68 J 1/10W		R223-227			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R174			RK73FB2A101J	CHIP R 100 J 1/10W	E0E1E2	R228			RK73EB2B101J	CHIP R 100 J 1/8W	
R174			RK73FB2A101J	CHIP R 100 J 1/10W	E3E4	R229			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R175			RK73FB2A331J	CHIP R 330 J 1/10W	E0E1E2	R230-234			RK73FB2A104J	CHIP R 100K J 1/10W	
R175			RK73FB2A331J	CHIP R 330 J 1/10W	E3E4	R239			RK73FB2A471J	CHIP R 470 J 1/10W	
R176			RK73FB2A560J	CHIP R 56 J 1/10W	E0E1E2	R240			RK73FB2A104J	CHIP R 100K J 1/10W	E0M1K1
R176			RK73FB2A560J	CHIP R 56 J 1/10W	E3E4	R240			RK73FB2A104J	CHIP R 100K J 1/10W	K2K3
R177			RK73FB2A221J	CHIP R 220 J 1/10W	E0E1E2	R241			RK73FB2A4R7J	CHIP R 4.7 J 1/10W	E0M1K1
R177			RK73FB2A221J	CHIP R 220 J 1/10W	E3E4	R241			RK73FB2A4R7J	CHIP R 4.7 J 1/10W	K2K3
R178			RK73FB2A222J	CHIP R 2.2K J 1/10W	E0E1E2	R242			RK73FB2A750J	CHIP R 75 J 1/10W	E0M1K1
R178			RK73FB2A222J	CHIP R 2.2K J 1/10W	E3E4	R242			RK73FB2A750J	CHIP R 75 J 1/10W	K2K3
R179			RK73FB2A561J	CHIP R 560 J 1/10W	E0E1E2	R243			RK73FB2A102J	CHIP R 1.0K J 1/10W	E0M1K1
R179			RK73FB2A561J	CHIP R 560 J 1/10W	E3E4	R243			RK73FB2A102J	CHIP R 1.0K J 1/10W	K2K3
R180			RK73FB2A682J	CHIP R 6.8K J 1/10W		R244			RK73FB2A913J	CHIP R 91K J 1/10W	E0M1K1
R181			RK73FB2A183J	CHIP R 18K J 1/10W		R244			RK73FB2A913J	CHIP R 91K J 1/10W	K2K3
R182			RK73FB2A223J	CHIP R 22K J 1/10W		R245			RK73FB2A470J	CHIP R 47 J 1/10W	E0M1K1
R183			RK73EB2B100J	CHIP R 10 J 1/8W		R245			RK73FB2A470J	CHIP R 47 J 1/10W	K2K3
R184			RK73FB2A332J	CHIP R 3.3K J 1/10W		R246			RK73FB2A913J	CHIP R 91K J 1/10W	E0M1K1
R185			RK73FB2A4R7J	CHIP R 4.7 J 1/10W		R246			RK73FB2A913J	CHIP R 91K J 1/10W	K2K3
R186			RK73FB2A154J	CHIP R 150K J 1/10W	K3M2	R247			RK73FB2A103J	CHIP R 10K J 1/10W	E0M1K1
R186			RK73FB2A154J	CHIP R 150K J 1/10W	M1K1K2	R247			RK73FB2A103J	CHIP R 10K J 1/10W	K2K3
R186			RK73FB2A184J	CHIP R 180K J 1/10W	E0E1E2	R248			RK73FB2A272J	CHIP R 2.7K J 1/10W	E0M1K1
R186			RK73FB2A184J	CHIP R 180K J 1/10W	E3E4	R248			RK73FB2A272J	CHIP R 2.7K J 1/10W	K2K3
R187			RK73FB2A302J	CHIP R 3.0K J 1/10W		R249			RK73FB2A563J	CHIP R 56K J 1/10W	E0M1K1
R188			RK73FB2A271J	CHIP R 270 J 1/10W		R249			RK73FB2A563J	CHIP R 56K J 1/10W	K2K3
R189			RK73FB2A183J	CHIP R 18K J 1/10W		R250			RK73FB2A470J	CHIP R 47 J 1/10W	E0M1K1
R190			RK73FB2A474J	CHIP R 470K J 1/10W		R250			RK73FB2A470J	CHIP R 47 J 1/10W	K2K3
R191			RK73FB2A823J	CHIP R 82K J 1/10W		R251			RK73FB2A913J	CHIP R 91K J 1/10W	E0M1K1
R192,193			RK73FB2A104J	CHIP R 100K J 1/10W		R251			RK73FB2A913J	CHIP R 91K J 1/10W	K2K3
R194			RK73FB2A683J	CHIP R 68K J 1/10W		R252			RK73FB2A752J	CHIP R 7.5K J 1/10W	E0M1K1
R197			RK73FB2A102J	CHIP R 1.0K J 1/10W	E0E1E2	R252			RK73FB2A752J	CHIP R 7.5K J 1/10W	K2K3
R197			RK73FB2A102J	CHIP R 1.0K J 1/10W	E3E4	R254			RK73FB2A682J	CHIP R 6.8K J 1/10W	
R197,198			RK73FB2A102J	CHIP R 1.0K J 1/10W	K3M2	R260			RK73FB2A222J	CHIP R 2.2K J 1/10W	E0K1E1
R197,198			RK73FB2A102J	CHIP R 1.0K J 1/10W	M1K1K2	R260			RK73FB2A222J	CHIP R 2.2K J 1/10W	E2E3
R199			RK73FB2A393J	CHIP R 39K J 1/10W	K3M2	R260			RK73FB2A222J	CHIP R 2.2K J 1/10W	K3E4
R199			RK73FB2A393J	CHIP R 39K J 1/10W	M1K1K2	R261			RK73FB2A100J	CHIP R 10 J 1/10W	E0K1E1
R201			RD14DB2H332J-T	SMALL-RD 3.3K J 1/2W		R261			RK73FB2A100J	CHIP R 10 J 1/10W	E2E3
R202			RK73FB2A472J	CHIP R 4.7K J 1/10W	M1M2	R261			RK73FB2A100J	CHIP R 10 J 1/10W	K3E4
R203,204			RK73FB2A123J	CHIP R 12K J 1/10W		R262			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R205			RK73EB2B473J	CHIP R 47K J 1/8W		R263			RK73FB2A682J	CHIP R 6.8K J 1/10W	
R206			RK73FB2A103J	CHIP R 10K J 1/10W		R264			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R207,208			RK73FB2A473J	CHIP R 47K J 1/10W	M1M2	R265			RK73FB2A682J	CHIP R 6.8K J 1/10W	
R208			RK73FB2A473J	CHIP R 47K J 1/10W	E0K1K2	R270-272			RK73FB2A102J	CHIP R 1.0K J 1/10W	E0K1E1
R208			RK73FB2A473J	CHIP R 47K J 1/10W	E1E2E3	R270-272			RK73FB2A102J	CHIP R 1.0K J 1/10W	E2E3
R208			RK73FB2A473J	CHIP R 47K J 1/10W	K3E4	R270-272			RK73FB2A102J	CHIP R 1.0K J 1/10W	K3E4
R209			R92-2023-05	CHIP R 820 J 1/2W	M1M2	R273,274			RK73FB2A473J	CHIP R 47K J 1/10W	M1M2K2
R210			RK73EB2B472J	CHIP R 4.7K J 1/8W		R299,300			R92-2104-05	CHIP R 2.2 J 1W	
R211			RK73FB2A223J	CHIP R 22K J 1/10W		R301			RK73FB2A103J	CHIP R 10K J 1/10W	
R212			RK73FB2A101J	CHIP R 100 J 1/10W		R302			RK73FB2A104J	CHIP R 100K J 1/10W	
R213			RK73FB2A681J	CHIP R 680 J 1/10W		R303			R92-0365-05	CHIP R 1.0K J 1/2W	
R214			RK73FB2A391J	CHIP R 390 J 1/10W		R304			RK73FB2A471J	CHIP R 470 J 1/10W	
R215			RK73FB2A472J	CHIP R 4.7K J 1/10W		R305			RK73FB2A104J	CHIP R 100K J 1/10W	
R216			RK73FB2A102J	CHIP R 1.0K J 1/10W		R306			RK73FB2A471J	CHIP R 470 J 1/10W	
R217			RK73FB2A472J	CHIP R 4.7K J 1/10W		R307			RK73FB2A122J	CHIP R 1.2K J 1/10W	
R218			RK73FB2A222J	CHIP R 2.2K J 1/10W		R308			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R219			RK73FB2A331J	CHIP R 330 J 1/10W		R309,310			RK73FB2A470J	CHIP R 47 J 1/10W	
R220			RK73FB2A332J	CHIP R 3.3K J 1/10W		R311			RK73FB2A103J	CHIP R 10K J 1/10W	
R221			RK73FB2A103J	CHIP R 10K J 1/10W		R312			RK73FB2A102J	CHIP R 1.0K J 1/10W	

44 K1: KRC-953 M1: KRC-993 E0: KRC-958R E3: KRC-858W
K2: KRC-803 M2: KRC-883W E1: KRC-858R E4: KRC-758R
K3: KRC-903 E2: KRC-858C

△ indicates safety critical components.

E: Europe K: North America M: Other Areas

PARTS LIST

(X14-558X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
R315,316			R92-2104-05	CHIP R 2.2 J 1W		W1			R92-2052-05	CHIP R 0 J 1/10W	K3M2
R323			RK73FB2A473J	CHIP R 47K J 1/10W	E0E1E2	W1			R92-2052-05	CHIP R 0 J 1/10W	M1K1K2
R323			RK73FB2A473J	CHIP R 47K J 1/10W	E3E4	W2			R92-2052-05	CHIP R 0 J 1/10W	E0E1E2
R323,324			RK73FB2A104J	CHIP R 100K J 1/10W	K3M2	W2			R92-2052-05	CHIP R 0 J 1/10W	E3E4
R323,324			RK73FB2A104J	CHIP R 100K J 1/10W	M1K1K2	W3,4			R92-2052-05	CHIP R 0 J 1/10W	K3M2
R324			RK73FB2A223J	CHIP R 22K J 1/10W	E0E1E2	W3,4			R92-2052-05	CHIP R 0 J 1/10W	M1K1K2
R324			RK73FB2A223J	CHIP R 22K J 1/10W	E3E4	W9 -14			R92-2052-05	CHIP R 0 J 1/10W	K3
R325			RK73FB2A102J	CHIP R 1.0K J 1/10W		W9 -15			R92-2052-05	CHIP R 0 J 1/10W	E4
R326			RK73FB2A472J	CHIP R 4.7K J 1/10W	E0E1E2	W15			R92-2052-05	CHIP R 0 J 1/10W	E0E1E2
R326			RK73FB2A472J	CHIP R 4.7K J 1/10W	E3E4	W15			R92-2052-05	CHIP R 0 J 1/10W	E3
R327			RK73FB2A222J	CHIP R 2.2K J 1/10W		W17-20			R92-2052-05	CHIP R 0 J 1/10W	K3E4
R329			RK73FB2A471J	CHIP R 470 J 1/10W							
R331			RK73FB2A102J	CHIP R 1.0K J 1/10W		PH1	*	T95-0231-05	OPTOISOLATOR		
R333			RK73FB2A104J	CHIP R 100K J 1/10W							
R335			RK73FB2A473J	CHIP R 47K J 1/10W	E0E1E2	D1 -4			DA204K	DIODE	
R335			RK73FB2A473J	CHIP R 47K J 1/10W	K3M2E3	D5,6			DAP202K	DIODE	
R336			RK73FB2A473J	CHIP R 47K J 1/10W	E4	D101			DAN202K	DIODE	
R336			RK73FB2A473J	CHIP R 47K J 1/10W	M1K1K2	D121			DAN202K	DIODE	E0E1E2
R338			RK73FB2A473J	CHIP R 47K J 1/10W	E3	D121			DAN202K	DIODE	E3E4
R338			RK73FB2A473J	CHIP R 47K J 1/10W	K2E1E2	D141			DA204K	DIODE	E0E1E2
R339			RK73FB2A473J	CHIP R 47K J 1/10W	E0M1K1	D141			DA204K	DIODE	E3E4
R339			RK73FB2A473J	CHIP R 47K J 1/10W	K3M2	D142	*	MA3068-M	ZENER DIODE		
R344			RK73FB2A332J	CHIP R 3.3K J 1/10W		D143		MA3075-M	ZENER DIODE		
R346			RK73FB2A103J	CHIP R 10K J 1/10W		D181,182		DAN202K	DIODE		E0E1E2
R347			RK73FB2A104J	CHIP R 100K J 1/10W				DAN202K	DIODE		E3E4
R348			RK73FB2A472J	CHIP R 4.7K J 1/10W		D182		DAN202K	DIODE		K3M2
R357			RK73FB2A103J	CHIP R 10K J 1/10W		D182		DAN202K	DIODE		M1K1K2
R358			RK73FB2A473J	CHIP R 47K J 1/10W	K1K2K3	D201		RM10ZLF	DIODE		
R359			RK73FB2A473J	CHIP R 47K J 1/10W	M1M2	D202	*	UZML6.8FB(Y)	ZENER DIODE		
R360			RK73FB2A472J	CHIP R 4.7K J 1/10W							
R363			RK73FB2A101J	CHIP R 100 J 1/10W		D203		AM01Z	DIODE		M1M2
R364			RK73FB2A104J	CHIP R 100K J 1/10W		D203		ERA15-01	DIODE		M1M2
R366			RK73FB2A154J	CHIP R 150K J 1/10W		D204		UZML6.8FB(Y)	ZENER DIODE		
R368			RK73FB2A222J	CHIP R 2.2K J 1/10W		D205		DAP202K	DIODE		
R370			RK73FB2A472J	CHIP R 4.7K J 1/10W		D206		DAN202K	DIODE		
R371			RK73FB2A102J	CHIP R 1.0K J 1/10W		D207		AM01Z	DIODE		
R375			RK73FB2A104J	CHIP R 100K J 1/10W		D207		ERA15-01	DIODE		
R377			RK73FB2A104J	CHIP R 100K J 1/10W		D208		DA204K	DIODE		
R378			RK73FB2A472J	CHIP R 4.7K J 1/10W		D210		1SS181	DIODE		
R379			RK73FB2A102J	CHIP R 1.0K J 1/10W		D211		AM01Z	DIODE		
R380			RK73FB2A103J	CHIP R 10K J 1/10W		D211		ERA15-01	DIODE		
R381,382			RK73FB2A223J	CHIP R 22K J 1/10W		D231-233		UZMA6.2F	ZENER DIODE		
R384,385			RK73FB2A223J	CHIP R 22K J 1/10W		D234	*	MA3062-M	ZENER DIODE		
R386			RK73FB2A472J	CHIP R 4.7K J 1/10W		D235		DAP202K	DIODE		
R387			RK73FB2A104J	CHIP R 100K J 1/10W		D241	*	MA3110-L	ZENER DIODE		E0M1K1
R388,389			RK73FB2A472J	CHIP R 4.7K J 1/10W		D241	*	MA3110-L	ZENER DIODE		K2K3
R394			RK73FB2A222J	CHIP R 2.2K J 1/10W		D242		MA3056-M	ZENER DIODE		E0M1K1
R396			RK73FB2A334J	CHIP R 330K J 1/10W		D242		MA3056-M	ZENER DIODE		K2K3
R397,398			RK73FB2A222J	CHIP R 2.2K J 1/10W		D301		AM01Z	DIODE		
R404			RK73FB2A102J	CHIP R 1.0K J 1/10W	K3M2	D301		ERA15-01	DIODE		
R404			RK73FB2A102J	CHIP R 1.0K J 1/10W	M1K1K2	D302	*	MA3220-H	ZENER DIODE		
R405			RK73FB2A103J	CHIP R 10K J 1/10W	E0E1E2	D303	*	MA3047-M	ZENER DIODE		
R405			RK73FB2A103J	CHIP R 10K J 1/10W	E3E4						
R406			RK73FB2A104J	CHIP R 100K J 1/10W		IC1	*	178016BGC513	MI-COM IC		K1K2
R407			RK73FB2A471J	CHIP R 470 J 1/10W		IC1	*	178016BGC513	MI-COM IC		K3M2
R409			RK73FB2A104J	CHIP R 100K J 1/10W		IC1	*	178016BGC514	MI-COM IC		M1
VR1,2			R12-3100-05	TRIMMING POT.(10K)		IC1	*	178018BGC511	MI-COM IC		E0E1E2
VR3			R12-3101-05	TRIMMING POT.(22K)		IC1	*	178018BGC511	MI-COM IC		E3E4
						IC2		TC4W66F	IC		E0E1E2
						IC2		TC4W66F	IC		E3E4
						IC3		NJM4565M-TE2	ANALOGUE IC		E0E1E2

K1: KRC-953 M1: KRC-993 E0: KRC-958R E3: KRC-858W
K2: KRC-803 M2: KRC-883W E1: KRC-858R E4: KRC-758R
K3: KRC-903 E2: KRC-858C

Δ indicates safety critical components.

E: Europe K: North America M: Other Areas

PARTS LIST

(X14-558X-XX)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
IC3			NJM4565M-TE2	ANALOGUE IC	E3E4	Q165			2SC2413K	TRANSISTOR	E0E1E2
IC4			TDA7420	ANALOGUE IC		Q165			2SC2413K	TRANSISTOR	E3E4
IC5			HA12134AF	IC(DOLBY B NR SYSTEM)		Q181			DTC124EK	DIGITAL TRANSISTOR	
IC6			TDA7384A	ANALOGUE IC		Q181			UN2212	DIGITAL TRANSISTOR	
IC7			BA3917-V4	ANALOGUE IC		Q191			2SC2412K	TRANSISTOR	
IC8			SAA6579T	IC	E0K1E1	Q201			2SC2412K	TRANSISTOR	
IC8			SAA6579T	IC	E2E3	Q202			2SB1277	TRANSISTOR	M1M2
IC8			SAA6579T	IC	K3E4	Q203			2SC2412K	TRANSISTOR	
IC9			BA6238A	ANALOGUE IC		Q204			DTC114YK	DIGITAL TRANSISTOR	M1M2
IC10			TC7660SEOA	ANALOGUE IC	E0M1K1	Q204			UN2214	DIGITAL TRANSISTOR	M1M2
IC10			TC7660SEOA	ANALOGUE IC	K2K3	Q205,206			DTC144EK	DIGITAL TRANSISTOR	
IC11,12			NJM4565M-TE2	ANALOGUE IC	E0M1K1	Q205,206			UN2213	DIGITAL TRANSISTOR	
IC11,12			NJM4565M-TE2	ANALOGUE IC	K2K3	Q207			2SD1760	TRANSISTOR	
IC13			LA1145M	ANALOGUE IC		Q208			DTA124EK	DIGITAL TRANSISTOR	
IC14		*	TDA7435	ANALOGUE IC	E0E1	Q208			UN2112	DIGITAL TRANSISTOR	
IC14		*	TDA7435	ANALOGUE IC	E2E3	Q209			2SA1037K	TRANSISTOR	
IC14		*	TDA7435	ANALOGUE IC	K1K2	Q231			DTA124EK	DIGITAL TRANSISTOR	
IC14		*	TDA7435	ANALOGUE IC	M1M2	Q231			UN2112	DIGITAL TRANSISTOR	
IC15			KKZ01F	CUSTOM IC		Q232			DTC124EK	DIGITAL TRANSISTOR	
IC16			HD74HC27FP	MOS-IC		Q232			UN2212	DIGITAL TRANSISTOR	
Q1 -4			2SD2114K	TRANSISTOR		Q241			2SC2412K	TRANSISTOR	E0M1K1
Q101			DTC144EK	DIGITAL TRANSISTOR	E0E1E2	Q241			2SC2412K	TRANSISTOR	K2K3
Q101			DTC144EK	DIGITAL TRANSISTOR	E3E4	Q242			2SB1443	TRANSISTOR	E0M1K1
Q101			UN2213	DIGITAL TRANSISTOR	E0E1E2	Q242			2SB1443	TRANSISTOR	K2K3
Q101			UN2213	DIGITAL TRANSISTOR	E3E4	Q243			DTA114EK	DIGITAL TRANSISTOR	E0M1K1
Q102			DTC124EK	DIGITAL TRANSISTOR	E0E1E2	Q243			DTA114EK	DIGITAL TRANSISTOR	K2K3
Q102			DTC124EK	DIGITAL TRANSISTOR	E3E4	Q243			UN2111	DIGITAL TRANSISTOR	E0M1K1
Q102			UN2212	DIGITAL TRANSISTOR	E0E1E2	Q243			UN2111	DIGITAL TRANSISTOR	K2K3
Q102			UN2212	DIGITAL TRANSISTOR	E3E4	Q244			DTC144EK	DIGITAL TRANSISTOR	E0M1K1
Q121			2SC2412K	TRANSISTOR	E0E1E2	Q244			DTC144EK	DIGITAL TRANSISTOR	K2K3
Q121			2SC2412K	TRANSISTOR	E3E4	Q244			UN2213	DIGITAL TRANSISTOR	E0M1K1
Q122			DTC114TK	DIGITAL TRANSISTOR	E0E1E2	Q244			UN2213	DIGITAL TRANSISTOR	K2K3
Q122			DTC114TK	DIGITAL TRANSISTOR	E3E4	Q245			2SA1037K	TRANSISTOR	E0M1K1
Q122			UN2215	DIGITAL TRANSISTOR	E0E1E2	Q245			2SA1037K	TRANSISTOR	K2K3
Q122			UN2215	DIGITAL TRANSISTOR	E3E4	Q246-248			2SC2412K	TRANSISTOR	E0M1K1
Q123			DTA124EK	DIGITAL TRANSISTOR	E0E1E2	Q246-248			2SC2412K	TRANSISTOR	K2K3
Q123			DTA124EK	DIGITAL TRANSISTOR	E3E4	Q249,250			2SA1037K	TRANSISTOR	E0M1K1
Q123			UN2112	DIGITAL TRANSISTOR	E0E1E2	Q249,250			2SA1037K	TRANSISTOR	K2K3
Q123			UN2112	DIGITAL TRANSISTOR	E3E4	Q251,252			2SC2412K	TRANSISTOR	
Q141			DTC144EK	DIGITAL TRANSISTOR	E0E1E2	Q301			2SB1443	TRANSISTOR	
Q141			UN2213	DIGITAL TRANSISTOR	E3E4	Q302			DTC114YK	DIGITAL TRANSISTOR	
Q141			UN2213	DIGITAL TRANSISTOR	E0E1E2	Q302			UN2214	DIGITAL TRANSISTOR	
Q142			2SA1037K	TRANSISTOR	E3E4	Q303			2SB1184	TRANSISTOR	
Q142			2SA1037K	TRANSISTOR	E0E1E2	Q304			2SB1443	TRANSISTOR	
Q142			2SA1037K	TRANSISTOR	E3E4	Q305			2SC2412K	TRANSISTOR	
Q143,144			2SK536	FET	E0E1E2	Q306			DTA124EK	DIGITAL TRANSISTOR	
Q143,144			2SK536	FET	E3E4	Q306			UN2112	DIGITAL TRANSISTOR	
Q144			2SK536	FET	K3M2	Q307			2SC2412K	TRANSISTOR	
Q144			2SK536	FET	M1K1K2	Q308			DTC144EK	DIGITAL TRANSISTOR	
Q151			DTC124EK	DIGITAL TRANSISTOR		Q308			UN2213	DIGITAL TRANSISTOR	
Q151			UN2212	DIGITAL TRANSISTOR		Q309			2SB1184	TRANSISTOR	
Q161			DTA144EK	DIGITAL TRANSISTOR		Q310			2SC2412K	TRANSISTOR	
Q161			UN2113	DIGITAL TRANSISTOR		Q311			DTC144EK	DIGITAL TRANSISTOR	
Q162			DTC114TK	DIGITAL TRANSISTOR		Q311			UN2213	DIGITAL TRANSISTOR	
Q162			UN2215	DIGITAL TRANSISTOR		Q312			DTC124EK	DIGITAL TRANSISTOR	
Q163,164			2SC2412K	TRANSISTOR	E0K1E1	Q312			UN2212	DIGITAL TRANSISTOR	
Q163,164			2SC2412K	TRANSISTOR	E2E3						
Q163,164			2SC2412K	TRANSISTOR	K3E4	TH1			NT732ATD33KJ	THERMISTOR	
Q164			2SC2412K	TRANSISTOR	M1M2K2	A1			W02-1523-05	FM/AM FRONT-END	E0E1E2

△ indicates safety critical components.

46 K1: KRC-953 M1: KRC-993 E0: KRC-958R E3: KRC-858W
K2: KRC-803 M2: KRC-883W E1: KRC-858R E4: KRC-758R
K3: KRC-903 E2: KRC-858C

E: Europe K: North America M: Other Areas

PARTS LIST

(X14-558X-XX)
(D40-1082-05)

Ref. No.	Address	New parts	Parts No.	Description	Destination	Ref. No.	Address	New parts	Parts No.	Description	Destination
A1			W02-1523-05	FM/AM FRONT-END	E3E4	70	1B		G01-2835-08	TORSION COIL SPRING	
A1			W02-1524-05	FM/AM FRONT-END	K3M2	71	1B		G01-2836-08	TORSION COIL SPRING	
A1			W02-1524-05	FM/AM FRONT-END	M1K1K2	73	1A		G09-2020-08	SPRING	
CASSETTE MECHANISM ASSY (D40-1082-05)						74	2A		G01-2837-08	COMPRESSION SPRING	
1	2A		A10-4329-08	CHASSIS ASSY		75	1B		G01-2838-08	TORSION COIL SPRING	
2	1A		J21-7779-08	HEAD MOUNTING HARDWARE ASSY		76	1A		G01-2839-08	TORSION COIL SPRING	
3	2B		A11-0931-08	SUB CHASSIS ASSY		77	2B		G01-2843-08	TORSION COIL SPRING	
4	1A		D10-4106-08	ARM		79	1A		G01-2840-08	TENSION COIL SPRING	
5	2A		D10-4107-08	ARM		80	3A		G01-2841-08	TENSION COIL SPRING	
6	2A		D10-4108-08	ARM		81	2A	*	G01-2842-08	TORSION COIL SPRING	
7	2B		D10-4109-08	ARM		83	3A		D16-0609-08	BELT	
8	2A		D10-4110-08	ARM ASSY		94	3A		S64-0804-08	LEVER SWITCH	
9	2A		D10-4111-08	ARM ASSY		95	3A		S64-0805-08	LEVER SWITCH	
10	3A		D10-4112-08	ARM		100	2B		E30-4460-08	CONNECTOR ASSY (10P)	
13	2A		D10-4113-08	ARM		102	2B		T95-0213-08	PHOTO COUPLER	
14	1B		D13-1324-08	GEAR ASSY		103	2B		S62-0858-08	SLIDE SWITCH	
15	3A		D01-0609-08	FLYWHEEL ASSY		105	2B		S74-0813-08	LEAF SWITCH	
16	2A		D13-1325-08	GEAR ASSY		107	3A		E30-4468-08	CONNECTOR ASSY (7P)	
17	2A		D10-4114-08	ARM ASSY		A	1B		N09-4193-08	SCREW	
18	3A		D01-0610-08	FLYWHEEL ASSY		B	1B		N09-4194-08	SCREW	
19	3A		D13-1326-08	GEAR ASSY		C	1A		N09-4195-08	SCREW	
22	2B		D10-4115-08	SLIDER		D	1B		N09-4196-08	SCREW	
23	3B		D10-4116-08	SLIDER		E	2A		N09-4197-08	SCREW	
24	1B		J21-7780-08	MOTOR MOUNTING HARDWARE		F	1B		N09-4198-08	SCREW	
25	1B		D10-4117-08	ARM		G	1A		N09-4199-08	SCREW	
26	1B		D10-4118-08	SLIDER		H	2B		N09-4200-08	SCREW	
27	1A		A52-0716-08	CASSETTE HOLDER		HD1	1B		T31-0220-08	PLAYBACK HEAD	
31	3B		J21-7781-08	MOUNTING HARDWARE		J	3B		N09-4201-08	SCREW	
32	1B		J90-0767-08	GUID		K	2A		N19-2086-08	FLAT WASHER	
33	1B		J19-4737-08	BRACKET		L	3A		N19-2087-08	FLAT WASHER	
34	1B		D12-0622-08	CAM		M	3A		N19-2088-08	FLAT WASHER	
35	2B		D13-1327-08	GEAR		M1	1A		T42-0759-08	MAIN MOTOR	
36	2B		D13-1328-08	GEAR		M2	1B		T42-0755-08	MOTOR ASSY	
37	3A		D13-1329-08	GEAR		N	1B		N19-2089-08	FLAT WASHER	
38	3A		D10-4119-08	ARM		P	3A		N19-2090-08	FLAT WASHER	
39	1B		D13-1330-08	GEAR		Q	2A		N19-2091-08	FLAT WASHER	
40	2A		D13-1331-08	GEAR		R	1A		N19-2092-08	FLAT WASHER	
41	2A		D13-1332-08	GEAR		S	2B		N29-0510-08	RETAINING RING	
42	3B		J11-0619-08	CLAMPER		T	3A		N29-0511-08	RETAINING RING	
43	1B		D13-1333-08	GEAR							
44	1B		D13-1334-08	GEAR							
45	2A		D13-1335-08	GEAR							
46	2B		D10-4120-08	ARM							
47	2B		J19-4738-08	HOLDER							
48	2B		J11-0620-08	CLAMPER							
52	2A		D03-0312-08	REEL CAP							
53	3B		D15-0913-08	PULLEY							
54	1B		D13-1336-08	WORM							
55	1A		D10-4121-08	SLIDER							
56	2A	*	D10-4122-08	ARM							
57	1B		D13-1337-08	GEAR							
59	2B		J31-1036-08	COLLAR							
62	3B		D14-0683-08	ROLLER							
63	1A		D14-0684-08	ROLLER							
64	2A		D15-0914-08	PULLEY							
67	2A		G01-2832-08	TORSION COIL SPRING							
68	2A		G01-2833-08	TORSION COIL SPRING							
69	2B		G01-2834-08	TENSION COIL SPRING							

K1: KRC-953 M1: KRC-993 E0: KRC-958R E3: KRC-858W
K2: KRC-803 M2: KRC-883W E1: KRC-858R E4: KRC-758R
K3: KRC-903 E2: KRC-858C

△ indicates safety critical components.

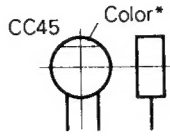
E: Europe K: North America M: Other Areas

PARTS LIST

CAPACITORS

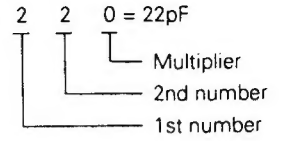
CC 45 TH 1H 220 J
1 2 3 4 5 6

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

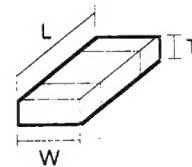
(Chip) (B, F)

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		

SPECIFICATIONS

KRC-803/903/953

FM tuner section

Frequency range (200kHz Space)	87.9MHz ~ 107.9MHz
Usable sensitivity (S/N : 30dB)	9.3dBf (0.8 μ V/75 Ω)
Quieting Sensitivity (S/N : 50dB)	15.2dBf (1.6 μ V/75 Ω)
Frequency response (\pm 3.0dB)	30Hz ~ 15kHz
Signal to Noise ratio (MONO)	75dB
Selectivity (\pm 400kHz)	\geq 80dB
Stereo Separation (1kHz)	40dB

AM tuner section

Frequency range (10kHz Space)	530kHz ~ 1700kHz
Usable sensitivity (S/N = 20dB)	28dB μ (25 μ V)

Cassette player section

Tape Speed	4.76cm/sec.
Wow & Flutter (WRMS)	0.08%
Frequency response (70 μ s)	30Hz ~ 20kHz (\pm 3dB)
Separation (1kHz)	43dB
Signal to Noise ratio (Dolby B NR OFF)	57dB
(Dolby B NR ON)	65dB

KRC-883W/993

FM tuner section

Frequency range (200kHz Space)	87.9MHz ~ 107.9MHz
(50kHz Space)	87.5MHz ~ 108.0MHz
Usable sensitivity (S/N : 30dB)	9.3dBf (0.8 μ V/75 Ω)
Quieting Sensitivity (S/N : 50dB)	15.2dBf (1.6 μ V/75 Ω)
Frequency response (\pm 3.0dB)	30Hz ~ 15kHz
Signal to Noise ratio (MONO)	75dB
Selectivity (\pm 400kHz)	\geq 80dB
Stereo Separation (1kHz)	40dB

AM tuner section

Frequency range (10kHz space)	530kHz ~ 1700kHz
(9kHz Space)	531kHz ~ 1611kHz
Usable sensitivity (S/N = 20dB)	28dB μ (25 μ V)

Cassette player section

Tape Speed	4.76cm/sec.
Wow & Flutter (WRMS)	0.08%
Frequency response (70 μ s)	30Hz ~ 20kHz (\pm 3dB)
Separation (1kHz)	43dB
Signal to Noise ratio (Dolby B NR OFF)	57dB
(Dolby B NR ON)	65dB

Audio section

Maximum output power	35W \times 4
Full bandwidth power (at less than 1% THD)	20W \times 4
Tone action	
Bass	100Hz \pm 10dB
Treble	10kHz \pm 10dB
Preout level / load	4V/10k Ω (during disc changer mode)
Preout Impedance	80 Ω

General

Operating voltage	14.4V (11 ~ 16V allowable)
Current consumption	10A at Rated power
Installation size (W \times H \times D)	182 \times 53 \times 161 mm
	7-3/16 \times 2-1/16 \times 6-5/16 inch
Weight	1.8kg
	4.0LBS

Audio section

Maximum output power	35W \times 4
Full bandwidth power (at less than 1% THD)	20W \times 4
Tone action	
Bass	100Hz \pm 10dB
Treble	10kHz \pm 10dB
Preout Level / Load	
(KRC-993)	4V/10k Ω (during disc changer mode)
(KRC-883W/773)	1800mV/10k Ω
Preout Impedance	
(KRC-993)	80 Ω
(KRC-883W/773)	\leq 600 Ω

General

Operating voltage	14.4V (11 ~ 16V allowable)
Current consumption	10A at Rated power
Installation size (W \times H \times D)	182 \times 53 \times 161 mm
	7-3/16 \times 2-1/16 \times 6-5/16 inch
Weight	1.8kg
	4.0LBS

**KRC-758R/803/858R/C/W
/883W/903/953/958R/993**

SPECIFICATIONS

KRC-758R/858R/C/W/958R

FM tuner section

Frequency range (50kHz Space) 87.5MHz ~ 108.0MHz
Usable sensitivity (S/N = 26dB) 0.7 μ V/75 Ω
Quieting Sensitivity (S/N = 46dB) 1.6 μ V/75 Ω
Frequency response (\pm 3.0dB) 30Hz ~ 15kHz
Signal to Noise ratio (MONO) 68dB
Selectivity (DIN) (\pm 400kHz) \geq 80dB
Stereo Separation (1kHz) 35dB

MW tuner section

Frequency range (9kHz Space) 531kHz ~ 1611kHz
Usable sensitivity (S/N = 20dB) 30 μ V

LW tuner section

Frequency range 153kHz ~ 281kHz
Usable sensitivity (S/N = 20dB) 45 μ V

Cassette player section

Tape Speed 4.76cm/sec.
Wow & Flutter (WRMS) 0.08%
Frequency response (70 μ s) 30Hz ~ 20kHz (\pm 3dB)
Separation (1kHz) 40dB
Signal to Noise ratio (Dolby B NR OFF) 57dB
(Dolby B NR ON) 65dB

Audio section

Maximum output power 35W \times 4
Output power (DIN 45324, +B=14.4V) 25W \times 4
Tone action
Bass 100Hz \pm 10dB
Treble 10kHz \pm 10dB
Preout level / load
(KRC-958R) 4V/10k Ω (during disc changer mode)
(KRC-858R/C/W,758R) 1800mV/10k Ω
Preout Impedance
(KRC-958R) 80 Ω
(KRC-858R/C/W,758R) \leq 600 Ω

General

Operating voltage 14.4V (11 ~ 16V allowable)
Current consumption 10A at Rated power
Installation size (W \times H \times D) 182 \times 53 \times 161 mm
Weight 1.8kg

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