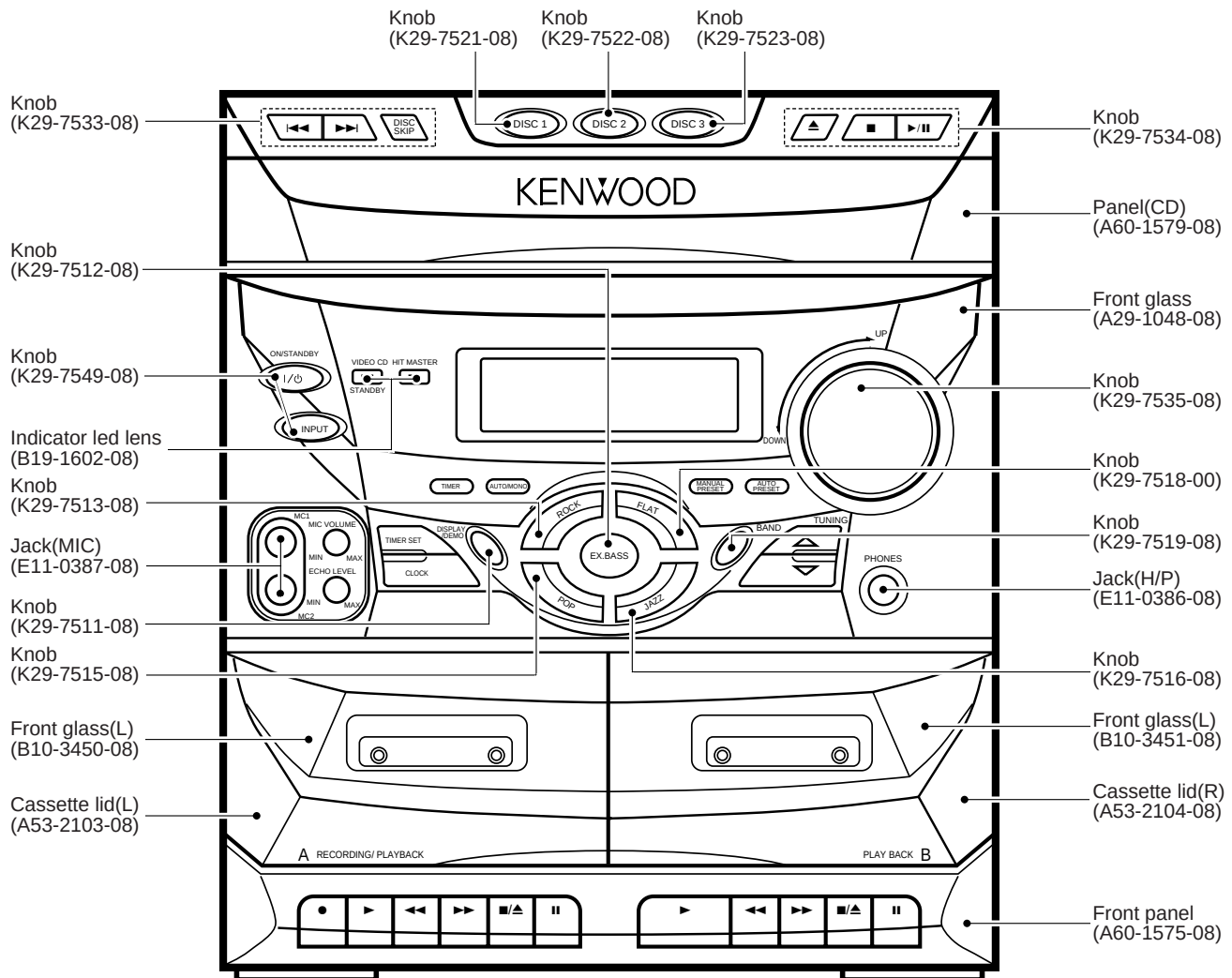


RXD-V313

SERVICE MANUAL

(XD-V313)



In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

KENWOOD-Crop. certifies this equipment conforms to DHHS Regulations No. 21 DFR 1040. 10, Chapter 1, Subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM

Refer to RXD-251/301/301E/301W/351/351E/351W/371S/A3 service manual(B51-5454-00), if you require mechanism operation description in detail.

Please replace with the new pcb and/or mechanism on CD player if it doesn't work.

RXD-V313

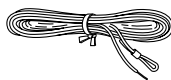
CONTENTS / ACCESSORIES / CAUTIONS

Contents

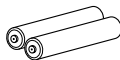
CONTENTS / ACCESSORIES / CAUTIONS	2	PC BOARD	11
EXTERNAL VIEW	3	SCHEMATIC DIAGRAM	15
BLOCK DIAGRAM	4	EXPLODED VIEW	26
CIRCUIT DESCRIPTION	5	PARTS LIST	27
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WIRING DIAGRAM	10		

Accessories

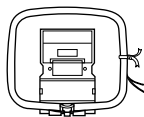
FM indoor antenna (1)
(T90-0801-05)



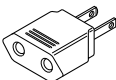
Batteries (R6/AA) (2)



AM loop antenna (1)
(T90-0815-08)

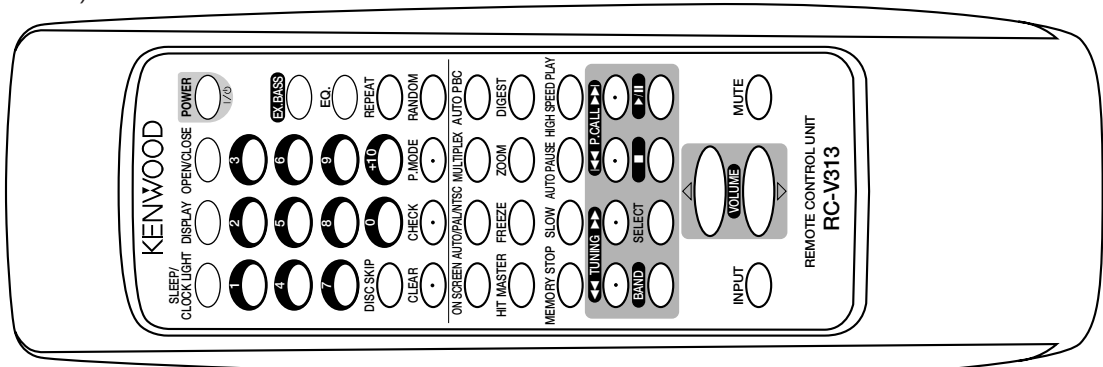


AC plug adaptor (1)
(E03-0115-05)



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

Remote control unit (1)
(A70-1261-08) : RC-V313



Cautions

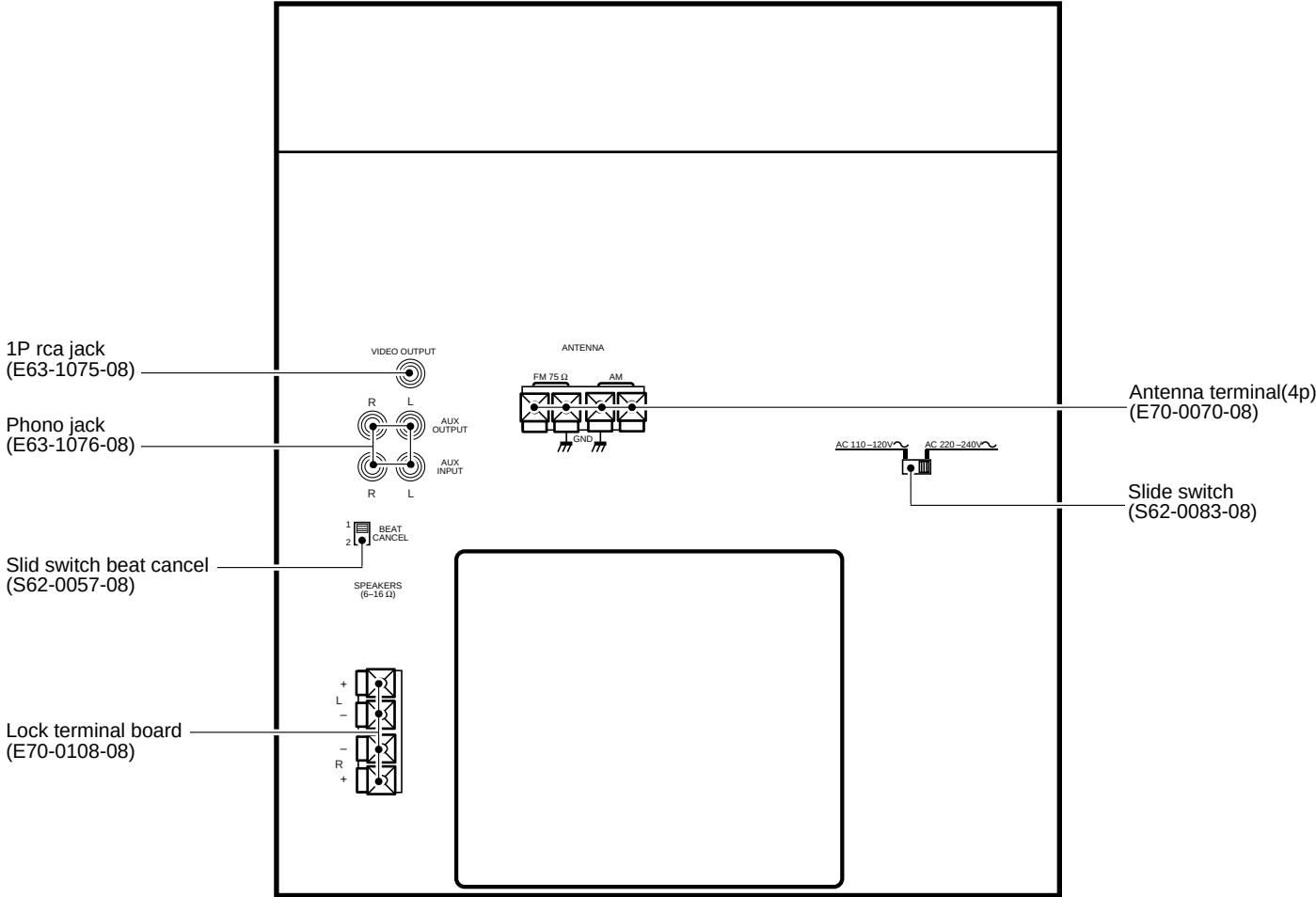
Operation to reset

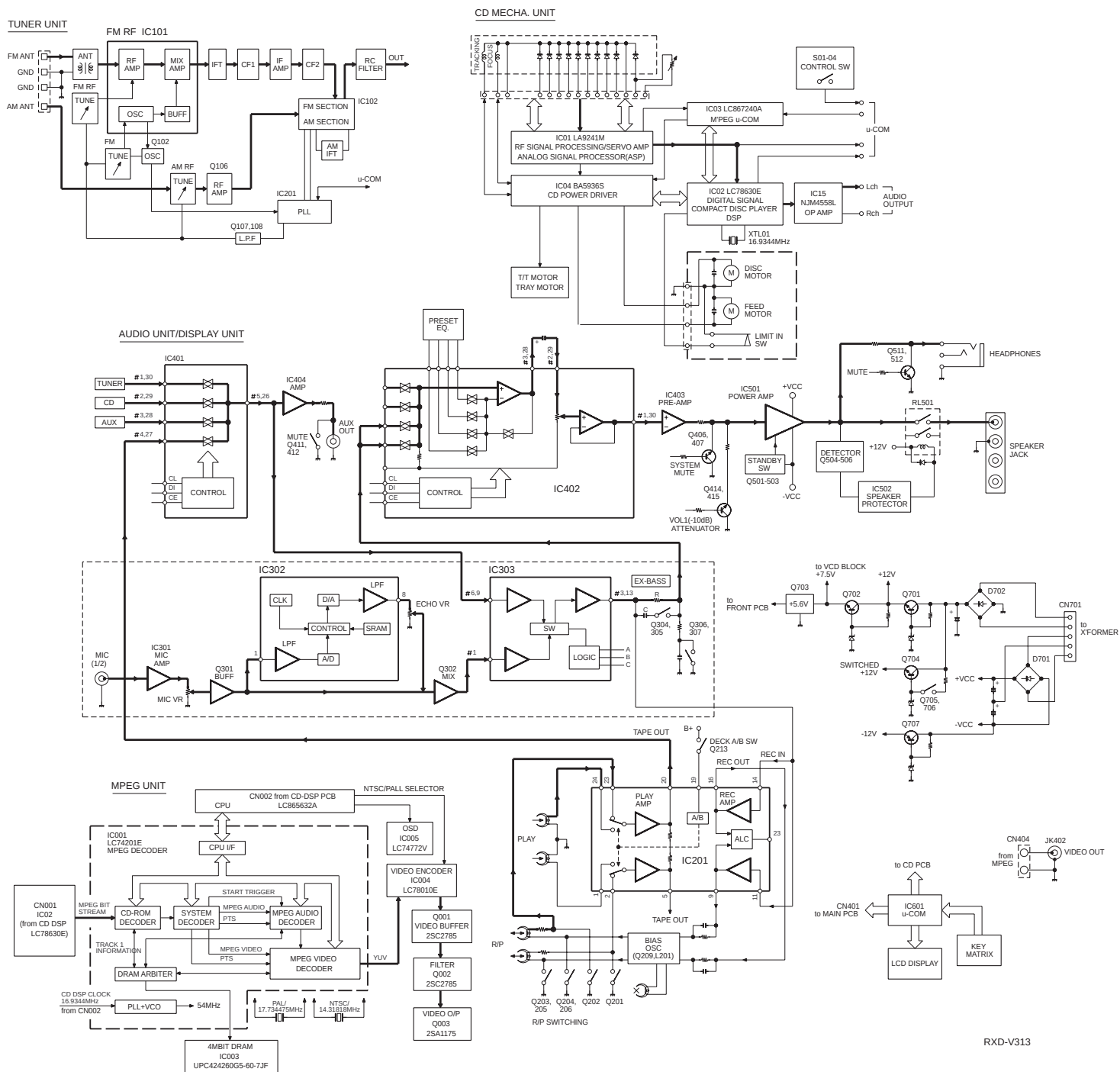
The microcomputer may fall into malfunction (impossibility to operate, erroneous display, etc.) when the power cord is unplugged while power is ON or due to an external factor. In this case, execute the following procedure to reset the microcomputer and return it to normal condition.

Press the "POWER" key while holding the Stop (■) key of the CD section pressed, to switch off the power, and then switch the power on again after a few seconds.

- Please note that resetting the microcomputer clears the contents stored in and returns to condition when it left the factory.

EXTERNAL VIEW





CIRCUIT DESCRIPTION

1. Microprocessor : (IC601, LC867224A-5H95)

1-1. Pin description

No.	Name	I/O	Description	Active	
				H	L
1	CE	I	LC7218, LC75392 CE out		
2	RESET-OUT	O	Reset out IC03 (LC867240A)		O
3	DI	I	LC7218, LC75392, LC78211 data out		
4	DO	O	Data output to LC7218		
5	CLK	I	LC 7218, LC75392, LC78211 clock out		
6	DATA-OUT	O	Serial data out to LC867240A		
7	DATA-IN	I	Serial output of SUBQ 80BIT		
8	CLK-OUT	O	Clock output		
9	N/C	O	No used		
10	STB-OUT	O	Strobe out		
11	BUSY-IN	I	Busy input		
12	RESET	I	Reset signal input		O
13	POWER-DOWN	I	Power down input		O
14	GND	—	GND		
15	VSS	—	Vss		
16	X1	—	Xtal 6.0MHz		
17	X2	—	Xtal 6.0MHz		
18	VDD1	—	Vdd		
19~24	K1~K6	I	Key input (K1~K4),K5/K6 (No used)		
25	MODE-SW2	I	Model discrimination		
26	MODE-SW1	I	Model discrimination		
27, 28	GND	I	GND		
29	REMOTE IN	I	Remote signal input		O
30	VR +	I	VR encoder input A		
31	VR -	I	VR encoder input B		
32	PIC-UP	I	Pick-up SW		
33	PIC-DOWN	I	Pick-down SW		
34	DISC-COUNT	I	Disc counter SW		
35	TURNTABLE-SW	I	Turntable SW		
36	TRAY-OPEN	I	Tray open SW		
37	TRAY-CLOSE	I	Tray close SW		
38	TURNTABLE MOTOR +	O	Turntable motor (+)	O	
39	TURNTABLE MOTOR -	O	Turntable motor (-)	O	
40	TRAY MOTOR +	O	Tray motor control (+)	O	
41	TRAY MOTOR -	O	Tray motor control (-)	O	
42	MOTOR SPEED	O	Motor speed control	Nor	Down
43	LED HIT MASTER	O	LED control (hit master)		O
44	TUNER	O	No used		O
45	CD	O			
46	AUX	O			
47	TAPE	O			
48	FLAT	O			
49	ROCK	O			
50	JAZZ	O			
51	POP	O			
52~55	S1-S4	O	Segment out (1~4)		
56	VDD2	—	Vdd		
57	VSS2	—	Vss		
58~79	S5~S26	O	Segment out (5~26)		
80~82	BIAS3~1	—	GND		

RXD-V313

CIRCUIT DESCRIPTION

No.	Name	I/O	Description	Active	
				H	L
83~86	COM-0~3	O	FL Common 0~3		
87	FM-STEREO	I	FM stereo signal input	Mono	Stereo
88	SYN REC	I	Synchro start input		O
89	VSS3	–	Vss		
90	VDD3	–	Vdd		
91	POWER-SW	O	Power SW out	On	Off
92	SYS-MUT	O	System mute out	Off	On
93	TU-MUT	O	Tuner mute out	On	Off
94	FUNCTION-TAPE	O	No used		
95	LCD-BACK-LIGHT	O	LCD back light control	On	Off
96	N/C	I	No used		
97	VR-1	O	VR step extend out	1step	Others
98	REC-MUTE	O	IC03 (LC867240A) rec out mute	On	Off
99	EX-BASS	O	EX-bass control	On	Off
100	VOICE	O	Voice cancel out	Off	On

2. MPEG Microprocessor : LC867240A (CD PCB, IC03)

2-1. Pin description

No.	Name	I/O	Description	Active	
				H	L
1	N/P SEL OUT	O	NTSC/PAL sel out to IC004 (LC78010E)		O
2	RESET OUT	O	IC001 (LC74201JE) reset out		
3	DI	I	DI (IC001, LC74201JE)/SIN (IC005, LC74772V)		
4	DO	O	DO (IC001, LC74201JE)		
5	CL	I	Clock (IC005, LC74772V)		
6	DATA OUT	O	Data out to IC601 (LC867724A)		
7	DATA IN	I	Data input from IC601 (LC867724A)		
8	SCK	I	Clock out from IC601 (LC867724A)		
9	STB IN	I	Strobe input from IC601 (LC867724A)		
10	BUSY OUT	O	Busy out to IC601 (LC867724A)		
11	MIRQ	I	MIRQ (LC74201JE)		O
12	RESET	I	Reset input		
13, 14	I/P	–	Vss		
15	VSS	–	Vss		
16, 17	CF1/CF2	–	Xtal 6.0 MHz		
18	VDD	–	Vdd		
19	FUNCTION 4/3	–	Vss		
20	8300/8301	–	Vss		
21	MULTI 9/16	–	Vss		
22	IM DRAM	–	Vss		
23~26	–	–	Vss		
27	WRQ	I	Sub-code Q input stand by		
28, 29	–	–	Vss		
30	VIDEO LED	O	LED control (Video)		O
31~37	N/C	–	No used		
38	VDD CONTROL	O	MPEG Vdd control	Other	CD
39~55	N/C	–	No used		
56	VDD	–	Vdd		
57	VSS	–	Vss		
58~73	–	–	No used		
74	SL +	O	Sled motor control (+)	O	

CIRCUIT DESCRIPTION

No.	Name	I/O	Description	Active	
				H	L
75	SL -	O	Sled motor control (-)	O	
76	SPEED B	O	Speed control terminal to IC01 (LA9241)		
77	SPEED A	O	Speed control terminal to IC01 (LA9241)		
78	AUDIO MUTE	O	Audio mute control	On	Off
79	MUTE	O	IC04 (BA6536S) mute control	CD	Other
80	PIC LIMIT SW	I	Pic limit switch input		O
81~86	–	–	Vss		
87	CQCK	O	Command clock output to IC2 (LC78630E)		
88	DAT	O	Command output to IC2 (LC78630E)		
89	VSS	–	Vss		
90	VDD	–	Vdd		
91	SQ OUT	I	Sub-code Q input from IC2 (LC78630E)		
92	RWC	O	IC02 (LA9241), CE		
93	RES	O	Chip reset out to IC2 (LC78630E)		
94	DRF	I	DRF from IC01 (LA9241)		
95, 96	N/C	–	No used		
97	CE	O	CE to IC001 (LC74201JE)		
98	VOE	O	VOE to IC001 (LC74201JE)		
99	CS	O	CS to IC005 (LC74772V)		
100	RESET OUT	O	Reset out		O

3. Key matrix

PORT	SW 1	SW 2	SW 3	SW 4	SW 5	SW 6	SW 7	SW 8	SW 9	SW 10
Pin 19 (K1)	Power	Input	Clock Set	Timer Mode	Timer Set	–	EQ Off	Rock	Jazz	Pop
Pin 20 (K2)	Tuning Up	Tuning Down	Band	Auto/ Mono	Auto Preset	Manual Preset	EX Bass	–	–	–
Pin 21 (K3)	CD AMS +	CD AMS -	–	–	Disc Skip	Disc 1	Disc 2	Disc 3	Open Close	–
Pin 22 (K4)	CD Stop	CD Play Pause	–	–	–	–	–	–	–	–

4. All LCD light on mode

- The all LCD light up when the STOP key and TIMER SET key are pressed simultaneously, while the power is ON.
- When the ON/STANDBY key is pressed, the all LCD light on mode is canceled.

ADJUSTMENT

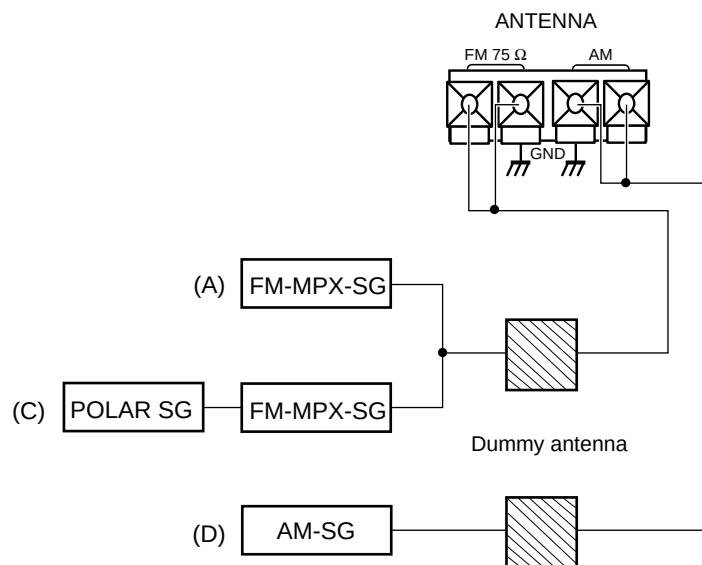
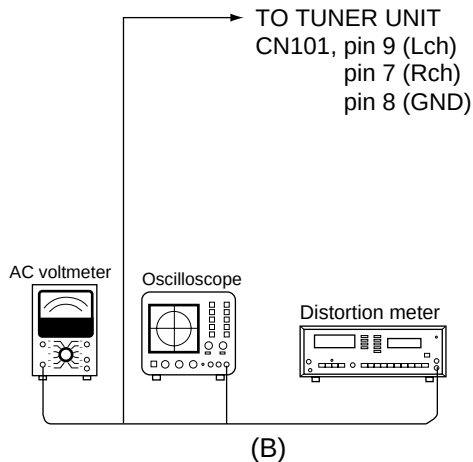
FM SECTION

NO.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
1.	IF	(A) 98 MHz, 1 kHz MOD ±75 kHz (DEV) 60 dBu (ANT INPUT)	(B)	98MHz	T101	Maximum output (Minimum distortion)	
2.	LOW END TRACKING	(A) 87MHz, 1 kHz MOD ±75 kHz (DEV) 35 dBu (ANT INPUT)	(B)	87MHz	L102	Maximum output	
3.	HI END TRACKING	(A) 108MHz, 1 kHz MOD ±75 kHz (DEV) 35 dBu (ANT INPUT)	(B)	108MHz	TC101	Maximum output	
4.	VT	—	Connect the DC voltage meter to TP2.	87.5 MHz	L103	VT=1.0V±0.05V	
				108 MHz	—	Check the VT=7.0V±1.0V	

MW SECTION

NO.	ITEM	INPUT SETTING	OUTPUT SETTING	TUNER SETTING	ALIGNMENT POINTS	ALIGN FOR	FIG.
1.	IF	(D) 531 kHz 1 kHz, 30% MOD 60 dBu (ANT INPUT)	(B)	531 kHz	T102	Maximum output (Minimum distortion)	
2.	LOW END TRACKING	(D) 531 kHz 1 kHz, 30% MOD 30 dBu (ANT INPUT)	(B)	531 kHz	L104	Maximum output	
3.	HIGH END TRACKING	(D) 1602 kHz 1 kHz, 30% MOD 30 dBu (ANT INPUT)	(B)	1602 kHz	TC102	Maximum output	
4.	VT	—	Connect the DC voltage meter to TP2.	531 kHz	L105	VT=1.2V±0.05V	
				1602 kHz	—	Check the VT=7.3V±1.0V	

INSTRUMENTS CONNECTION

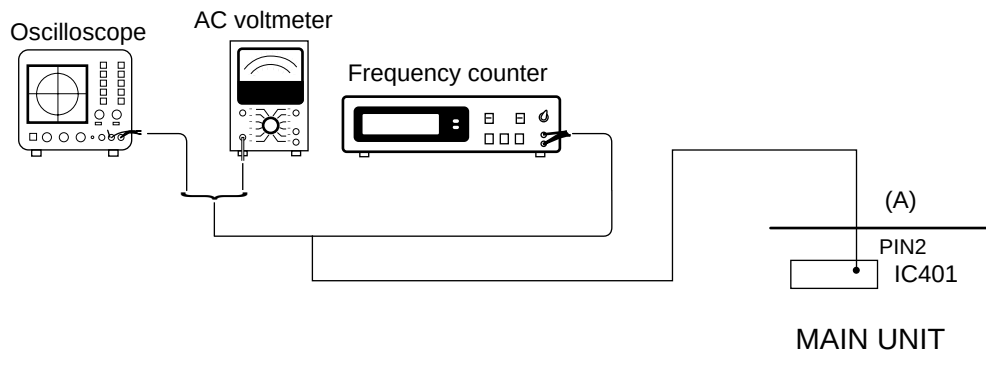


ADJUSTMENT

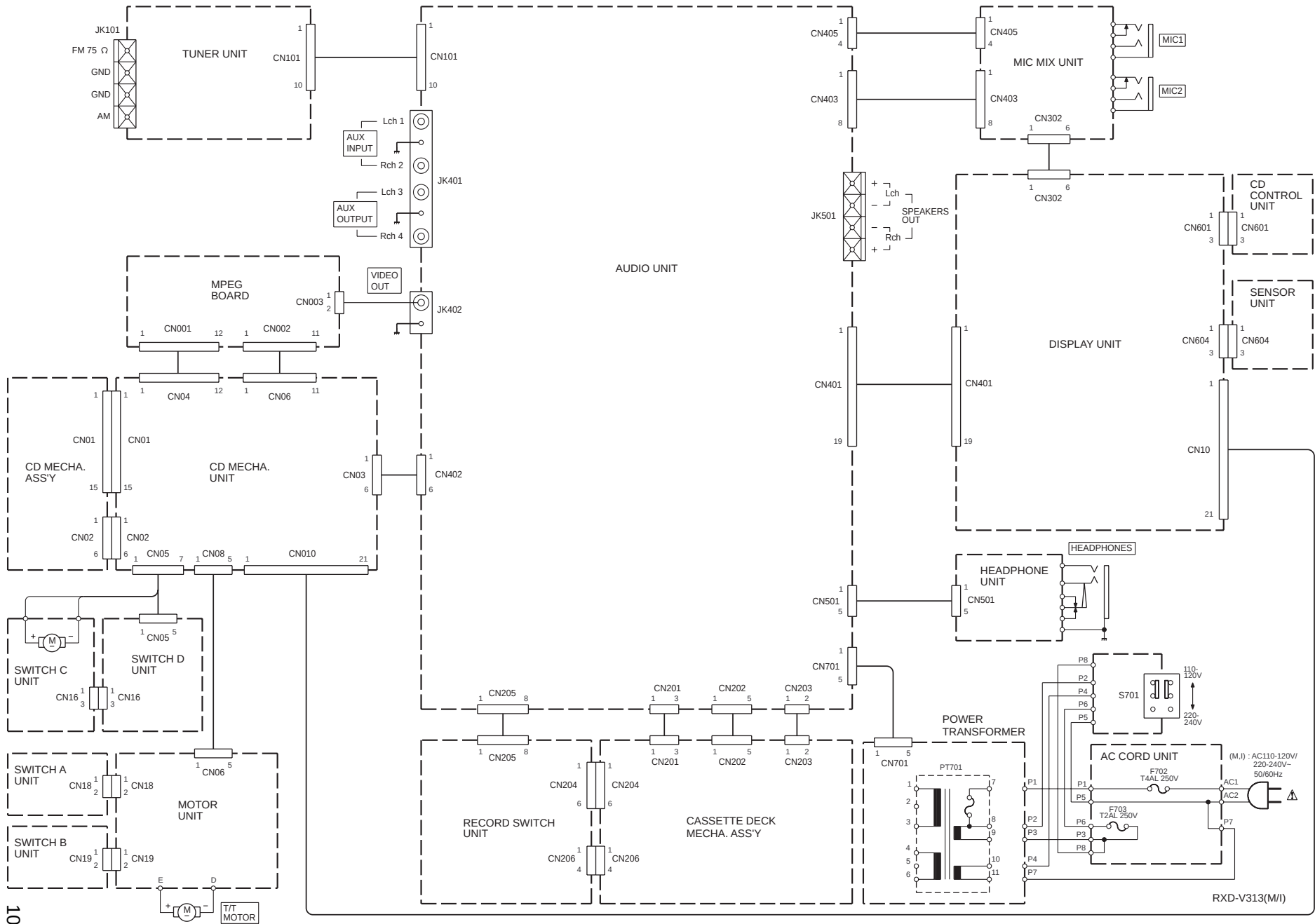
CASSETTE DECK SECTION

NO.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	CASSETTE TAPE DECK SETTINGS	ALIGNMENT POINT	ALGN FOR	FIG.
Unless otherwise specified : each ; switch should be set as follows : BEAT SW : OFF							0dBs = 0.775V
I. Cassette mechanism section (REC/PB head adjustment)							
[1]	Demagnetization and cleaning	—	—	Power OFF, demagnetization, cleaning play	REC/PB head, erase head, capstan, pinch roller	Demagnetize the REC/PB head by head eraser. Clean the REC/PB head, erase head capstan and pinch roller with a cotton swab immersed in alcohol.	
[2]	REC/PB head azimuth	MTT-114, TCC-153 SCC-1727 10 kHz, -10dB	(A)	PLAY	Azimuth adjustment screw	In a setting where the output is maximized, adjust the azimuth adjustment screw so that the Lissajous figure appearing on the oscilloscope screen comes near to a line slanted 45°. Note : The head should be installed in such a manner that it approaches the tape face.	
II. PC board adjustment							
< 1 >	Tape speed	MTT-111 TCC-100 SCC-1727 3 kHz, -4 dB	(A)	PLAY	SFR201	Adjust so that Frequency is 3 kHz at the center of the tape.	
< 2 >	Playback level	TCC-120 315 Hz 0dB	(A)	PLAY		Approx. -5dBm f reference level	
< 3 >	Recording level	Put standard test tape (TCC-120) into B deck. Put standard blank tape into A deck.	(A)	Dubbing and playback.		Approx. -5dBm f reference level	

INSTRUMENTS CONNECTION

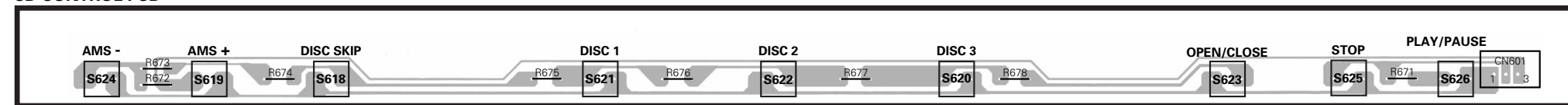


WIRING DIAGRAM

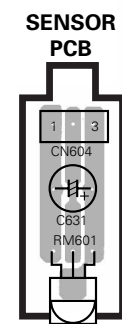
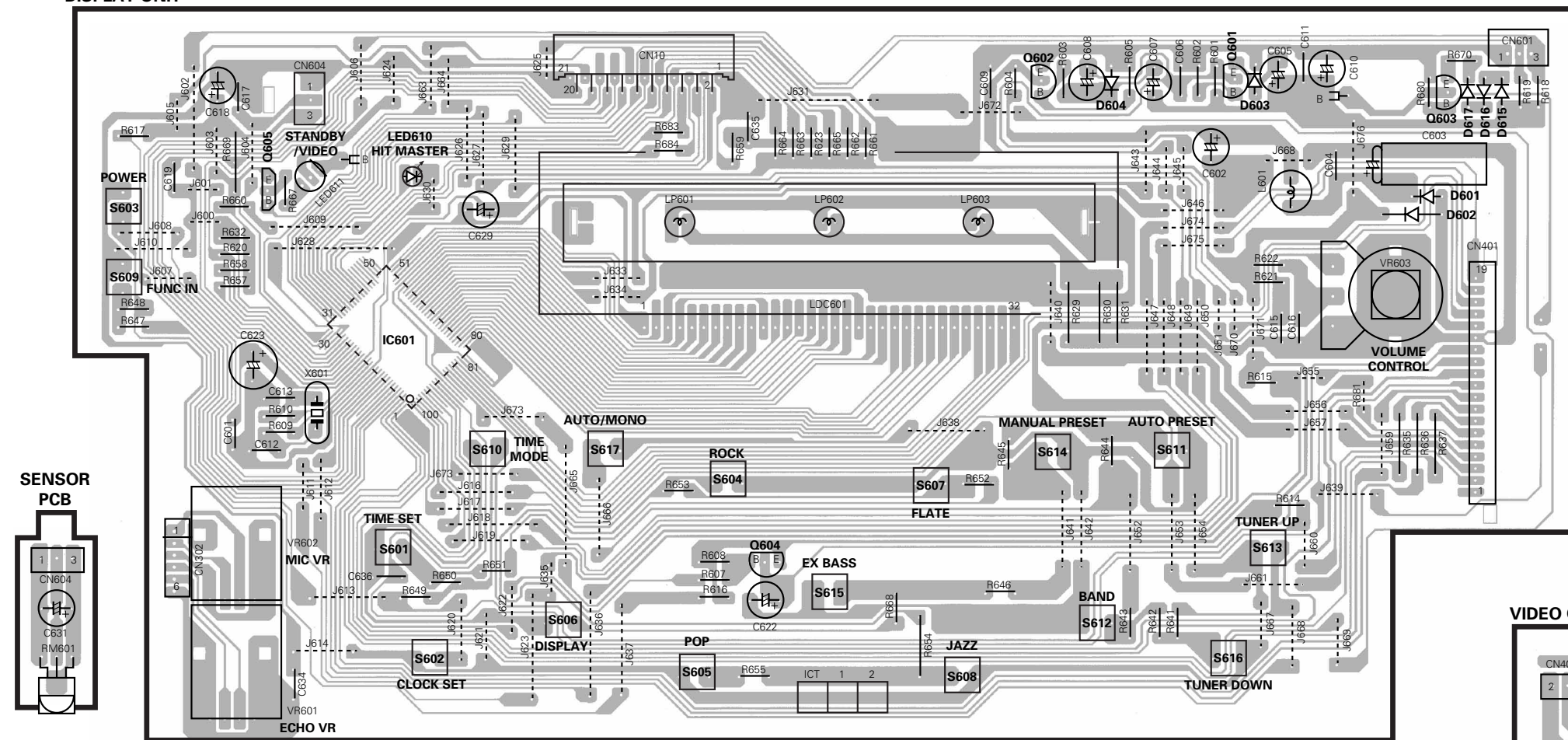


PC BOARD(Component side view)

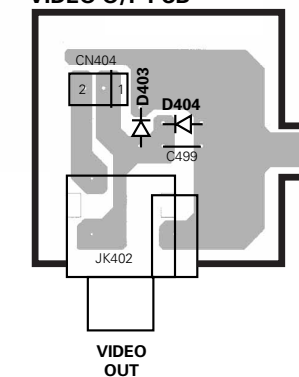
CD CONTROL PCB



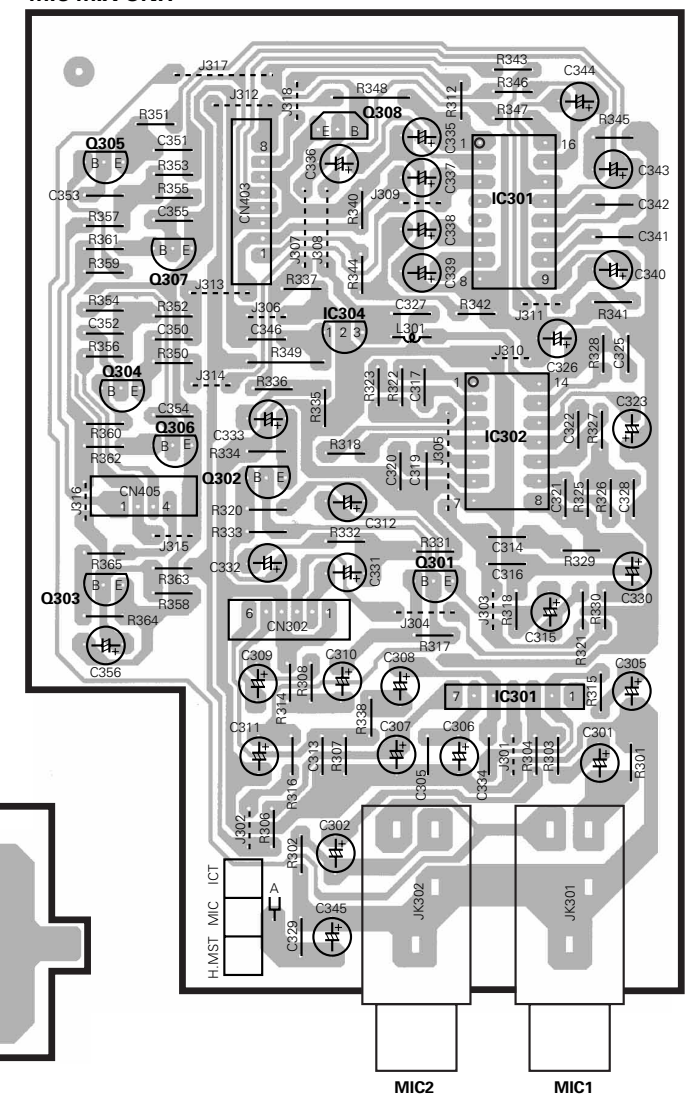
DISPLAY UNIT

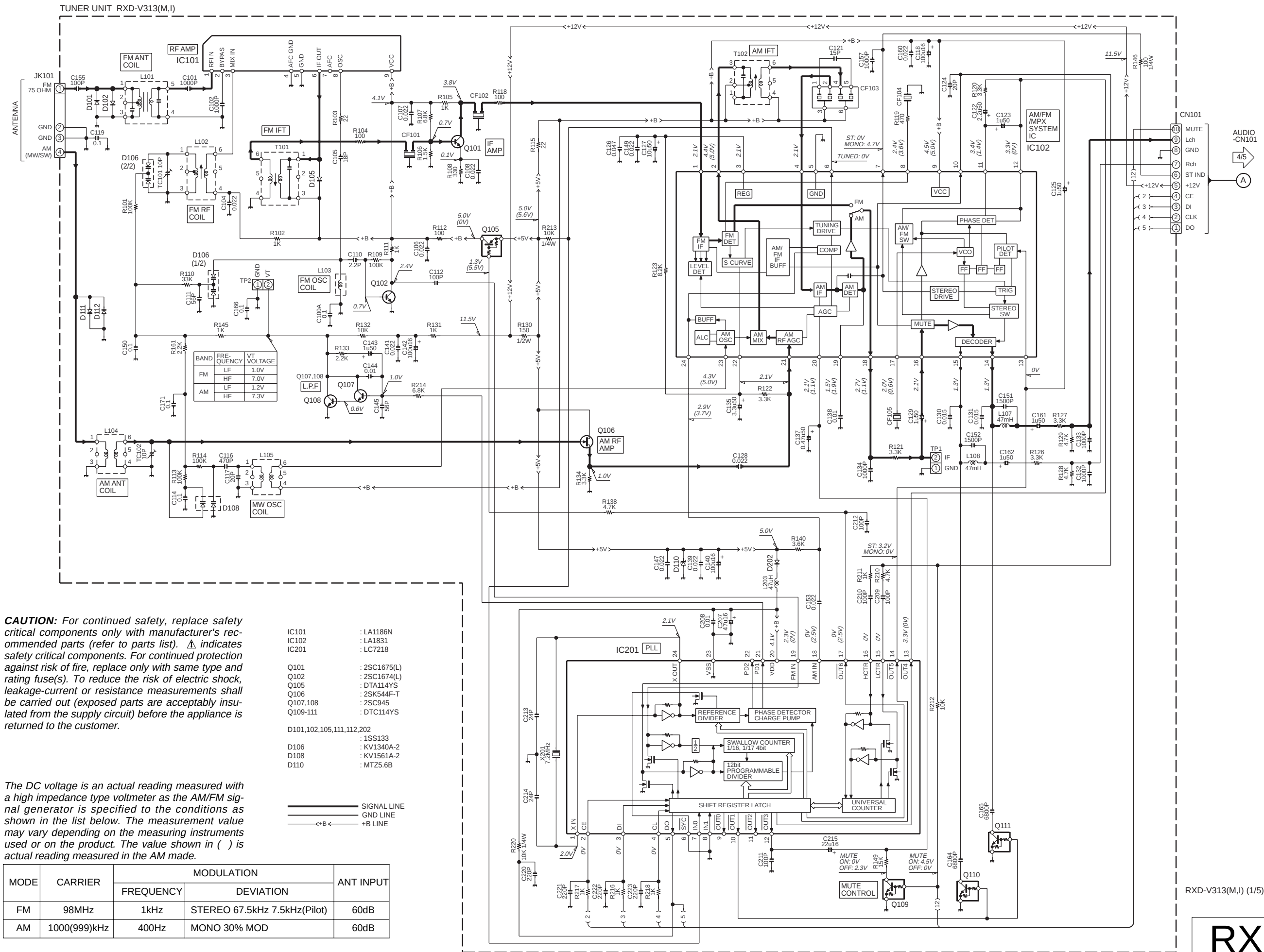


VIDEO O/P PCB



MIC MIX UNIT





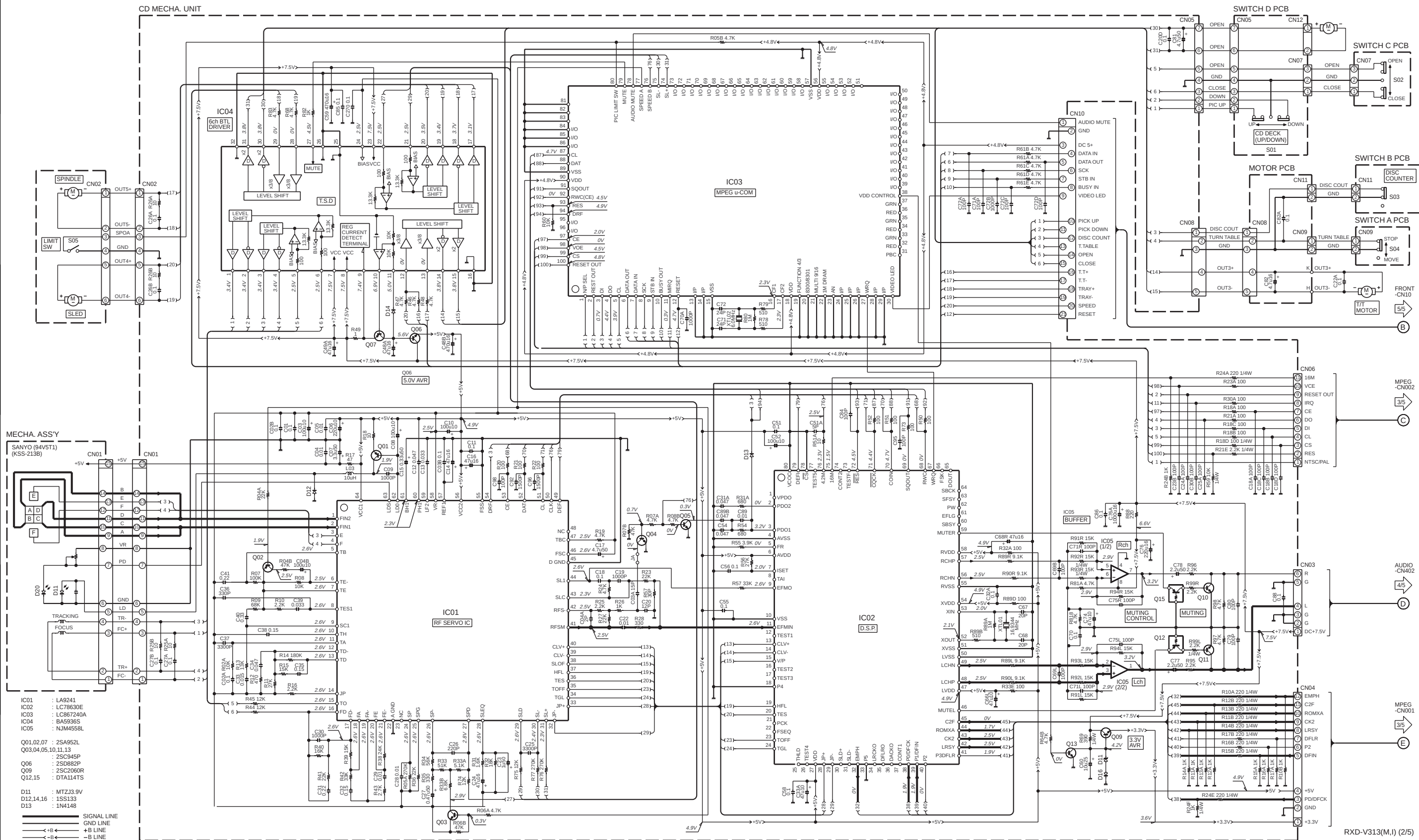
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock,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

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

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

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1
2
3
4
5
6
7

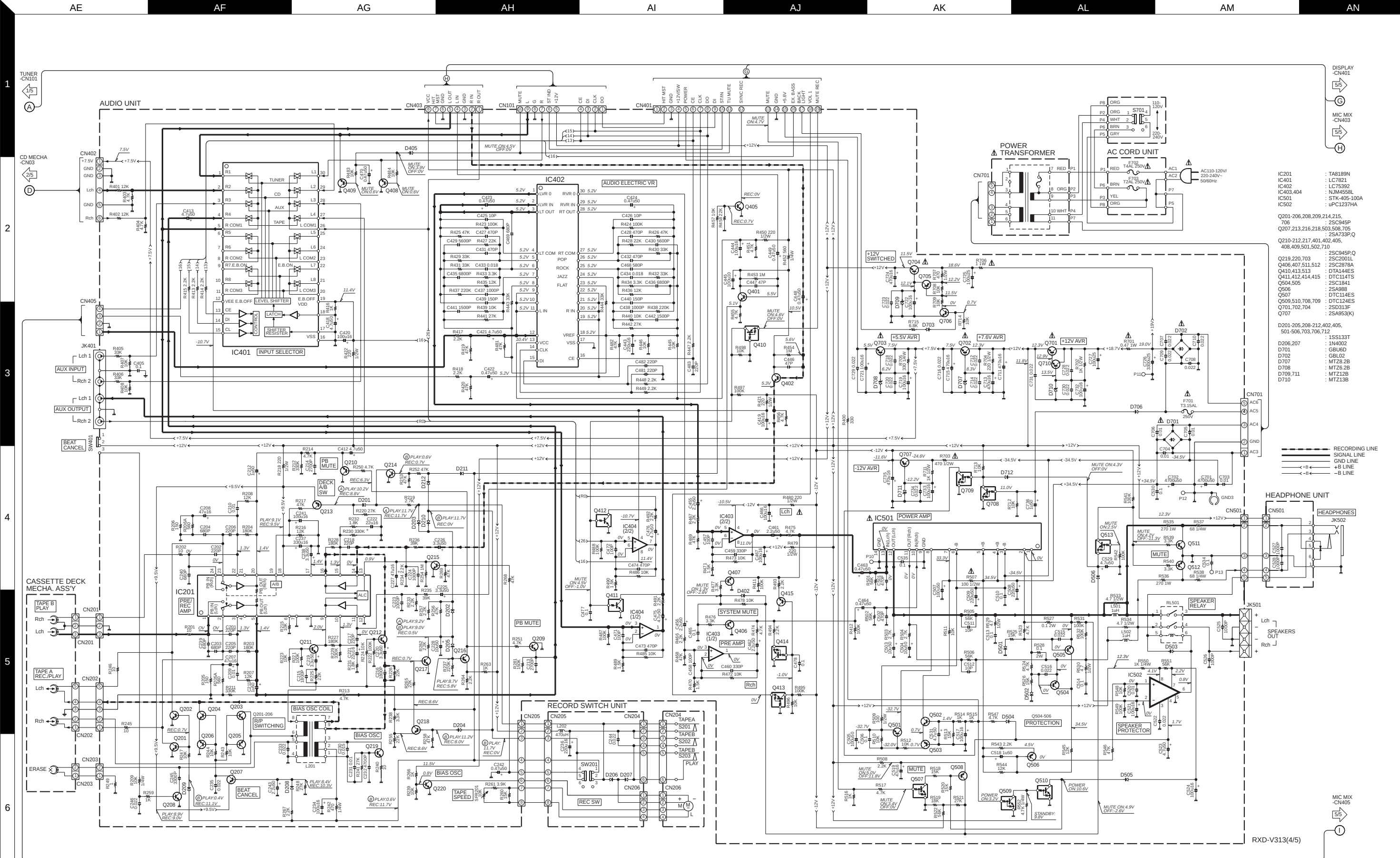


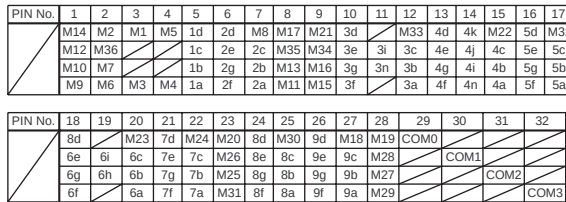
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock,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

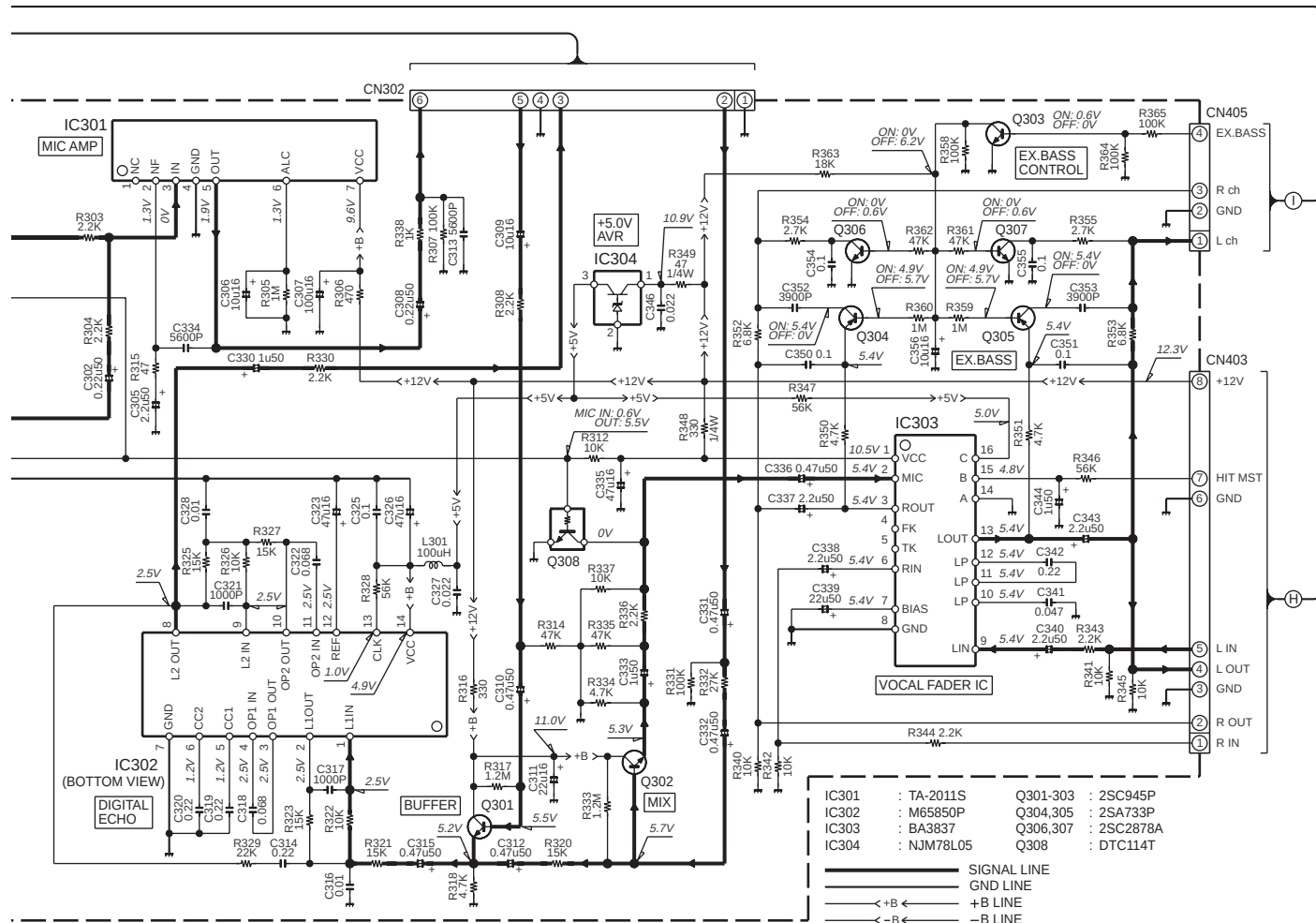
The DC voltage is an actual reading measured with a high impedance type volt-meter. The measurement value may vary depending on the measuring instruments used or on the product. Refer to the voltage during PLAY unless otherwise specified; The value shown in () is the voltage measured at the moment of STOP.

RXD-V313
KENWOOD

Y39-2910-20



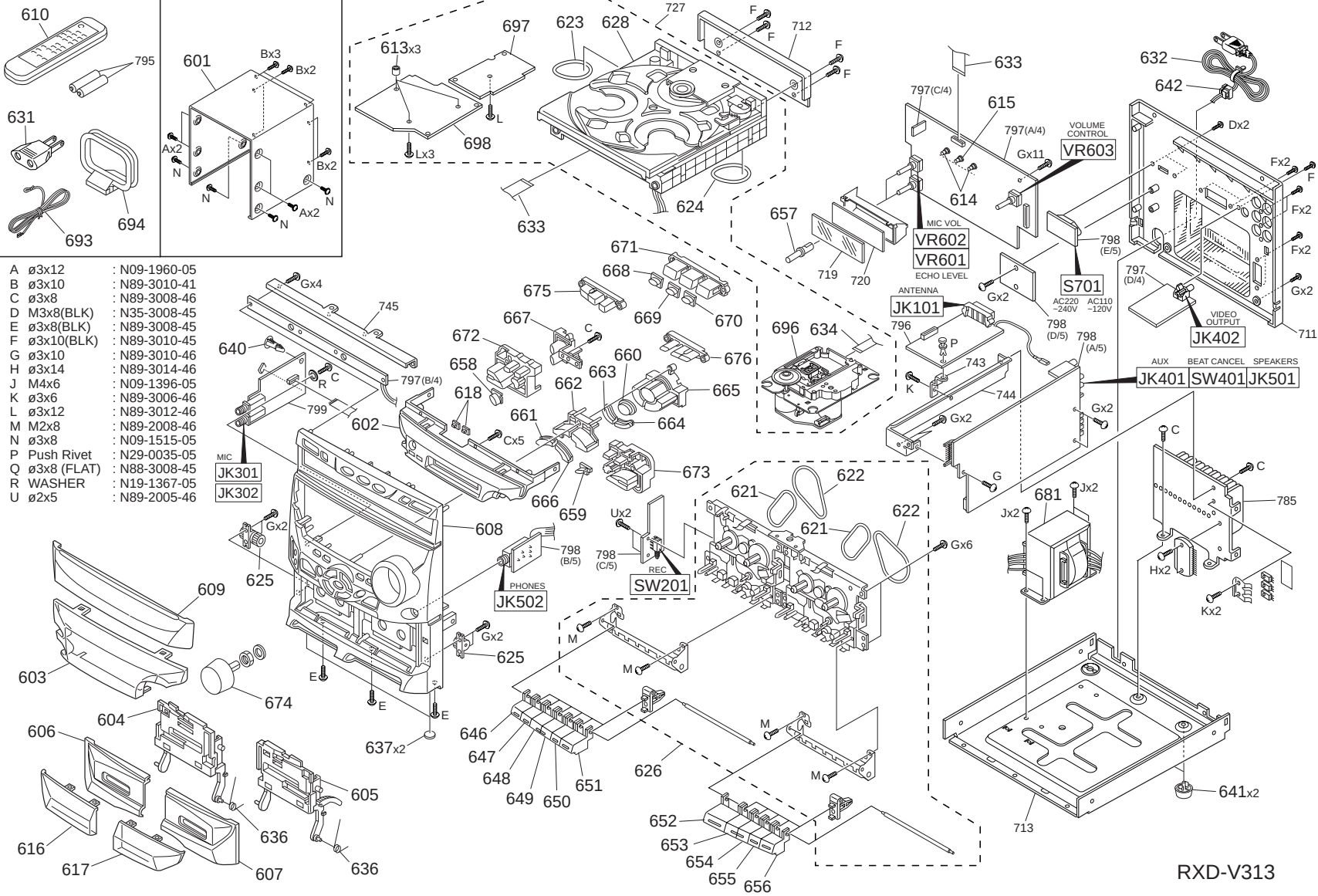




CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock,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

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

RXD-V313



* 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.

①

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
RXD-V313						
601	1A		A01-3678-08	CABINET		
602	1A		A22-1819-08	SUB PANEL(FRONT CHASSIS)		
603	2A	*	A29-1048-08	FRONT GLASS		
604	2A		A53-2097-08	CASSETTE HOLDER(L)		
605	2A		A53-2098-08	CASSETTE HOLDER(R)		
606	2A	*	A53-2103-08	CASSETTE LID(L)		
607	2A	*	A53-2104-08	CASSETTE LID(R)		
608	2B	*	A60-1575-08	FRONT PANEL		
609	2A	*	A60-1579-08	PANEL(CD)		
610	1A	*	A70-1261-08	REMOTE CONTROLLER(RC-V313)		
613	1A	*	B09-0264-08	BOSS CUP D22 SUPPLY		
614	1C		B09-0262-08	LAMP CAP		
615	1C		B09-0263-08	LED COVER		
616	2A		B10-3450-08	FRONT GLASS(CASSETTE)L		
617	2A		B10-3451-08	FRONT GLASS(CASSETTE)R		
618	1B		B19-1602-08	INDICATOR(LED LENS)		
-		*	B60-3891-08	INSTRUCTION MANUAL(ENGLISH)		
-		*	B60-3892-08	INSTRUCTION MANUAL(TAIWAN)		
-		*	B60-3893-08	INSTRUCTION MANUAL(SPANISH)		
621	2B		D16-0725-08	F BELT(CASSETTE DECK)		
622	2B, 2C		D16-0726-08	M BELT(CASSETTE DECK)		
623	1B		D16-0727-08	LOADING BELT(CD)		
624	1B		D16-0728-08	LOADING GEAR BELT(CD)		
625	2A, 2B		D39-0325-08	GEAR DAMPER		
626	2B		D40-1621-08	CASSETTE MECHANISM.4380605120		
628	1B	*	D40-1633-08	CD MECHANISM ASSY(920F-C1)		
631	1A		E03-0115-05	AC PLUG ADAPTER		
632	1C		E30-2906-08	AC POWER CORD		
633	1B, 1C	*	E35-2307-08	FFC 21P 160MM CN10-CD ASSY		
634	1B	*	E35-2306-08	FLAT CABLE(15P)(CD CN01-CN01)		
636	2A		G01-4106-08	EJECT SPRING		
637	2A		G11-2432-08	FOOT RUBBER		
-			H10-7538-08	POLYSTYRENE FOAMED FIXTURE(L)		
-			H10-7539-08	POLYSTYRENE FOAMED FIXTURE(R)		
-			H21-0366-08	SOFT SEET(1500X700X0.5)		
-			H25-1527-08	POLY BAG		
-		*	H50-2999-08	ITEM CARTON CASE		
640	1A	*	J19-5970-08	UNIT HOLDER (SPACER SUPPORT)		
641	2C		J02-1433-08	FOOT(REAR)		
642	1C		J42-0330-08	CORD STOPPER		
646	2B		K29-7498-08	CASSETTE RECORD BUTTON(A)		
647	2B		K29-7499-08	CASSETTE PLAY BUTTON(A)		
648	2B		K29-7500-08	CASSETTE REWIND BUTTON(A)		
649	2B		K29-7501-08	CASSETTE FAST FORWARD BUTTON(A)		
650	2B		K29-7502-08	CASSETTE STOP/EJECT BUTTON(A)		
651	2B		K29-7503-08	CASSETTE PAUSE BUTTON(A)		
652	2B		K29-7504-08	CASSETTE PLAY BUTTON(B)		
653	2B		K29-7505-08	CASSETTE REWIND BUTTON(B)		
654	2B		K29-7506-08	CASSETTE FAST FORWARD BUTTON(B)		
655	2B		K29-7507-08	CASSETTE STOP/EJECT BUTTON(B)		
656	2B		K29-7508-08	CASSETTE PAUSE BUTTON(B)		

L : Scandinavia

K : USA

P : Canada

R : Mexico

C : China

I : Malaysia

Y : PX(Far East, Hawaii)

T : Europe

E : Europe

G : Germany

V : China(Shanghai)

Y : AAFES(Europe)

X : Australia

Q : Russia

H : Korea

M : Other Areas

▲ indicates safety critical components.

* 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.

②

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
657	1B		K29-7509-08	KNOB(MIC)		
658	1B		K29-7511-08	KNOB(MODE)		
659	2B		K29-7519-08	KNOB(BAND)		
660	1B		K29-7512-08	KNOB(EX.BASS)		
661	1B		K29-7513-08	KNOB(ROCK)		
662	1B		K29-7514-08	KNOB(BASE ROCK)		
663	1B		K29-7515-08	KNOB(POP)		
664	1B		K29-7516-08	KNOB(JAZZ)		
665	1B		K29-7517-08	KNOB(BASE JAZZ)		
666	2B		K29-7518-08	KNOB(FLAT)		
667	1B		K29-7549-08	KNOB(ON STANDBY/INPUT)		
668	1B		K29-7521-08	KNOB(DISC 1)		
669	1B		K29-7522-08	KNOB(DISC 2)		
670	1B		K29-7523-08	KNOB(DISC 3)		
671	1B		K29-7524-08	KNOB(BASE DISC)		
672	1B		K29-7530-08	KNOB(TIMER)		
673	2B		K29-7531-08	KNOB(TUNING)		
674	2A		K29-7535-08	KNOB(VOLUME)		
675	1B		K29-7533-08	KNOB(REPEAT)		
676	1B		K29-7534-08	KNOB(OPEN/CLOSE)		
▲ 681	2C	*	L07-2706-08	POWER TRANSFORMER		
693	1A		T90-0801-05	LEAD WIRE ANTENNA(FM)		
694	1A		T90-0815-08	LOOP ANTENNA		
696	1B		T25-0079-08	TRAVERSE ASSY		
697	1B	*	W02-2683-08	MPEG PCB ASSY		
698	1B	*	W02-2686-08	CD PCB ASSY		
TUNER UNIT						
C100A			CK45FB1H104Z	CERAMIC	0.10UF	Z
C101, 102			C91-0757-05	CERAMIC	1000PF	K
C104			C91-0085-05	CERAMIC	0.022UF	N
C105			CC45FSL1H180J	CERAMIC	18PF	J
C106~108			C91-0085-05	CERAMIC	0.022UF	N
C110			C91-0713-05	CERAMIC	2.2PF	K
C111			C91-0739-05	CERAMIC	56PF	J
C112			C91-0745-05	CERAMIC	100PF	K
C114			CK45FB1H104Z	CERAMIC	0.10UF	Z
C116			CQ93FMG1H471J	MYLAR	470PF	J
C117			CC45FSL1H200J	CERAMIC	20PF	J
C118			CE04KW1C101M	ELECTRO	100UF	16WV
C119			CK45FB1H104Z	CERAMIC	0.10UF	Z
C121			C91-0725-05	CERAMIC	15PF	J
C122			CE04KW1H2R2M	ELECTRO	2.2UF	50WV
C123			CE04KW1H010M	ELECTRO	1.0UF	50WV
C124			CC45FSL1H200J	CERAMIC	20PF	J
C125			CE04KW1H010M	ELECTRO	1.0UF	50WV
C126			CK45FB1H473Z	CERAMIC	0.047UF	Z
C127			CE04KW1H100M	ELECTRO	10UF	50WV
C128			C91-0085-05	CERAMIC	0.022UF	N
C129			CE04KW1H010M	ELECTRO	1.0UF	50WV
C130, 131			CQ92FM1H153J	MYLAR	0.015UF	J
C132, 133			CQ92FM1H102J	MYLAR	1000PF	J
C134			C91-0757-05	CERAMIC	1000PF	K
C135			CE04KW1H3R3M	ELECTRO	3.3UF	50WV

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C137 C138 C139 C140 C141			CE04KW1HR47M C91-0769-05 C91-0085-05 CE04KW1C101M C91-0085-05	ELECTRO CERAMIC CERAMIC ELECTRO CERAMIC	0.47UF 0.010UF 0.022UF 100UF 0.022UF	50WV K N 16WV N		
C142 C143 C144 C145 C147			CE04KW1C101M CE04KW1H010M C91-0769-05 C91-0739-05 C91-0085-05	ELECTRO ELECTRO CERAMIC CERAMIC CERAMIC	100UF 1.0UF 0.010UF 56PF 0.022UF	16WV 50WV K J N		
C149 C150 C151, 152 C153 C155			C91-0085-05 CK45FB1H104Z C91-0759-05 C91-0085-05 C91-0745-05	CERAMIC CERAMIC CERAMIC CERAMIC CERAMIC	0.022UF 0.10UF 1500PF 0.022UF 100PF	N Z M N K		
C157 C160 C161, 162 C164, 165 C166			C91-0757-05 C91-0085-05 CE04KW1H010M CK45FB1H682K CK45FB1H104Z	CERAMIC CERAMIC ELECTRO CERAMIC CERAMIC	1000PF 0.022UF 1.0UF 6800PF 0.10UF	K N 50WV K Z		
C171 C207 C208 C209 C210~212			CK45FB1H104Z CE04KW1C470M C91-0769-05 C91-0745-05 C91-0745-05	CERAMIC ELECTRO CERAMIC CERAMIC CERAMIC	0.10UF 47UF 0.010UF 100PF 100PF	Z 16WV K K K		
C213, 214 C215 C220~223 TC101, 102			CC45FCH1H240J CE04KW1C220M C91-0749-05 C05-0238-08	CERAMIC ELECTRO CERAMIC TRIMMER	24PF 22UF 220PF CON 10PS TZ-03N100TR	J 16WV K K		
CN101 JK101			E40-8336-08 E70-0070-08	PIN ASSY (10P) ANTENNA TERMINAL(4P)				
CF101 CF102 CF103 CF104 CF105			L72-0591-08 L72-0586-08 L72-0587-08 L78-0651-08 L78-0641-08	CERAMIC F SFE10.7MA5 RED CERAMIC F SFE10.7MSG3GYM RED CERAMIC F SFZ450B RESONATOR CDA10.7MG43-A RESONATOR CSB456F15				
L101 L102 L103 L104 L105			L31-0622-08 L31-0623-08 L32-0584-08 L31-0618-08 L32-0581-08	FM ANT COIL PC-8474-1 FM RF COIL PC-8867 FM OSC COIL R22-F036X ORG AM ANT COIL TWS-358-762 MW OSC COIL TWS-358-751				
L107, 108 L203 T101 T102 X201			L39-1340-08 L39-1344-08 L30-0926-08 L30-0922-08 L77-2243-08	INDUCTANCE 473K P. COIL 470K-T FM IFT TWS-358-412 AM IFT R22-E792 X'TAL(7.2MHZ)				
R130			RD14GB2H151J	FL-PROOF RD	150	J 1/2W		
D101, 102 D105 D106 D108 D110			1SS133T 1SS133T KV1340A-2 KV1561A-2 MTZ5.6B	DIODE DIODE DIODE DIODE ZENER DIODE				
D111, 112			1SS133T	DIODE				

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IC101 IC102 IC201 Q101 Q102			LA1186N LA1831 LC7218 2SC1675(L) 2SC1674(L)	IC IC(AM/FM TUNER) IC(PLL FREQUENCY SYNTHESIZER) TRANSISTOR TRANSISTOR				
Q105 Q106 Q107, 108 Q109~111			DTA114YS 2SK544F-T 2SC945 DTC114YS	TRANSISTOR FET TRANSISTOR TRANSISTOR				
AUDIO UNIT								
C201, 202 C203, 204 C205, 206 C207, 208 C209, 210			CK45FB1H221K CK45FB1H681K CK45FB1H221K CE04KW1C470M CQ92FM1H103J	CERAMIC CERAMIC CERAMIC ELECTRO MYLAR	220PF 680PF 220PF 47UF 0.010UF	K K K 16WV J		
C211, 212 C213, 214 C215, 216 C217, 218 C219, 220			CE04KW1H1R0M CK45FB1H272K CK45FB1H182K CK45FB1H221K CE04KW1H3R3M	ELECTRO CERAMIC CERAMIC CERAMIC ELECTRO	1.0UF 2700PF 1800PF 220PF 3.3UF	50WV K K K 50WV		
C221, 222 C223, 224 C225, 226 C227 C228			CE04KW1C220M CK45FB1H102K CE04KW1H3R3M CE04KW1C470M CE04KW1H100M	ELECTRO CERAMIC ELECTRO ELECTRO ELECTRO	22UF 1000PF 3.3UF 47UF 10UF	16WV K 50WV 16WV 50WV		
C230 C231 C232 C233 C234			CQ93FMG2A153J CQ92FM1H103J CQ92FM1H472J CQ92FM1H223J CE04KW1C101M	MYLAR MYLAR MYLAR MYLAR ELECTRO	0.015UF 0.010UF 4700PF 0.022UF 100UF	J J J J 16WV		
C235 C236 C237 C238 C239, 240			CK45FB1E223Z CE04KW1C102M CE04KW1C331M CE04KW1H3R3M CK45FB1H681K	CERAMIC ELECTRO ELECTRO ELECTRO CERAMIC	0.022UF 1000UF 330UF 3.3UF 680PF	Z 16WV 16WV 50WV K		
C241 C242 C243 C244 C245		*	CE04KW1C101M CE04KW1HR47M CE04KW1H2R2M CK45FB1E223Z CQ93FMG2A332J	ELECTRO ELECTRO ELECTRO CERAMIC MYLAR	100UF 0.47UF 2.2UF 0.022UF 3300PF	16WV 50WV 50WV Z J		
C246 C405 C412, 413 C418 C419, 420			CK45FB1E223Z C91-1525-08 CE04KW1H4R7M CE04KW1H4R7M CE04KW1C101M	CERAMIC CERAMIC ELECTRO ELECTRO ELECTRO	0.022UF 0.1UF 4.7UF 4.7UF 100UF	Z Z 50WV 50WV 16WV		
C421~424 C425, 426 C427, 428 C429, 430 C431, 432			CE04KW1HR47M CC45FSL1H100J CK45FB1H471K CQ92FM1H562J CK45FB1H471K	ELECTRO CERAMIC CERAMIC MYLAR CERAMIC	0.47UF 10PF 470PF 5600PF 470PF	50WV J K J K		
C433, 434 C435, 436 C437, 438 C439, 440 C441, 442			CQ92FM1H183J CK45FB1H682K CK45FB1H102K CK45FB1H151K CK45FB1H152K	MYLAR CERAMIC CERAMIC CERAMIC CERAMIC	0.018UF 6800PF 1000PF 150PF 1500PF	J K K K K		

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C443			CE04KW1C221M	ELECTRO 220UF 16WV		
C444, 445			CE04KW1C101M	ELECTRO 100UF 16WV		
C446, 447			CC45FSL1H470J	CERAMIC 47PF J		
C448, 449			CE04KW1HR47M	ELECTRO 0.47UF 50WV		
C455, 456			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C457, 458			CK45FB1H101K	CERAMIC 100PF K		
C459, 460			CK45FB1H331K	CERAMIC 330PF K		
C461, 462			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C463, 464			CE04KW1HR47M	ELECTRO 0.47UF 50WV		
C465			C91-1525-08	CERAMIC 0.1UF Z		
C466, 467			CE04KW1C101M	ELECTRO 100UF 16WV		
C468, 469			CK45FB1H681K	CERAMIC 680PF K		
C470			CE04KW1HR47M	ELECTRO 0.47UF 50WV		
C471, 472			CK45FB1H101K	CERAMIC 100PF K		
C473, 474			CK45FB1H471K	CERAMIC 470PF K		
C475, 476			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C477, 478			C91-1525-08	CERAMIC 0.1UF Z		
C481-483			CK45FB1H221K	CERAMIC 220PF K		
C499			CK45FB1H104Z	CERAMIC 0.10UF Z		
C501, 502			CK45FB1H471K	CERAMIC 470PF K		
C503, 504			CE04KW1H100M	ELECTRO 10UF 50WV		
C505			CE04KW1H101M	ELECTRO 100UF 50WV		
C506			C91-1525-08	CERAMIC 0.1UF Z		
C507			CE04KW1H101M	ELECTRO 100UF 50WV		
C508, 509			CE04KW1H221M	ELECTRO 220UF 50WV		
C510			C91-1525-08	CERAMIC 0.1UF Z		
C511, 512			CC45FSL1H100J	CERAMIC 10PF J		
C513, 514			CQ92FM1H104J	MYLAR 0.10UF J		
C515, 516			CK45FB1E223Z	CERAMIC 0.022UF Z		
C517			CE04KW1C101M	ELECTRO 100UF 16WV		
C518			CE04KW1H1R0M	ELECTRO 1.0UF 50WV		
C519			CE04KW1C470M	ELECTRO 47UF 16WV		
C520			CK45FB1H103K	CERAMIC 0.010UF K		
C521			CE04KW1C101M	ELECTRO 100UF 16WV		
C522			CK45FB1E223Z	CERAMIC 0.022UF Z		
C523			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C524			CE04KW1C101M	ELECTRO 100UF 16WV		
C525, 526			CK45FB1H102K	CERAMIC 1000PF K		
C527, 528			CK45FB1H102K	CERAMIC 1000PF K		
C529			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C530			C91-1525-08	CERAMIC 0.1UF Z		
C531			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C534, 535			C91-1525-08	CERAMIC 0.1UF Z		
C701, 702			CE04KW1H472M	ELECTRO 4700UF 50WV		
C703-706			CK45FB1E103Z	CERAMIC 0.010UF Z		
C707-710			CK45FB1E223Z	CERAMIC 0.022UF Z		
C711			CE04KW1C471M	ELECTRO 470UF 16WV		
C712			CK45FB1E223Z	CERAMIC 0.022UF Z		
C713			CE04KW1C471M	ELECTRO 470UF 16WV		
C714			CK45FB1E223Z	CERAMIC 0.022UF Z		
C715			CE04KW1C471M	ELECTRO 470UF 16WV		
C716			CK45FB1E223Z	CERAMIC 0.022UF Z		
C718			CK45FB1E223Z	CERAMIC 0.022UF Z		
C719			CE04KW1C101M	ELECTRO 100UF 16WV		
C720			CK45FB1E223Z	CERAMIC 0.022UF Z		

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C721, 722			CE04KW1C101M	ELECTRO 100UF 16WV		
C723			CK45FB1E223Z	CERAMIC 0.022UF Z		
C724			CE04KW1C471M	ELECTRO 470UF 16WV		
C725			CE04KW1E101M	ELECTRO 100UF 25WV		
C726			CE04KW1E332M	ELECTRO 3300UF 25WV		
C727			CE04KW1E101M	ELECTRO 100UF 25WV		
C728-731			CK45FB1E223Z	CERAMIC 0.022UF Z		
C732, 733			CE04KW1C101M	ELECTRO 100UF 16WV		
C734			CK45FB1E223Z	CERAMIC 0.022UF Z		
C735			CE04KW1C471M	ELECTRO 470UF 16WV		
C736			CE04KW1H010M	ELECTRO 1.0UF 50WV		
CN201			E40-3261-05	PIN ASSY(3P)		
CN202		*	E40-8367-08	PIN ASSY(5P)		
CN203			E40-3260-05	PIN ASSY(2P)		
CN205			E40-9861-08	PIN ASSY(8P)		
CN401		*	E40-8368-08	PIN ASSY 19P(AUDIO UNIT)		
CN701			E40-9863-08	PIN ASSY(5P)		
JK401			E63-1076-08	PHONO JACK(4P)		
JK402			E63-1075-08	1P RCA JACK 4500800432		
JK501			E70-0108-08	LOCK TERMINAL BOARD(4P)		
JK502			E11-0386-08	JACK(H/P)		
Δ F701			F05-3121-05	FUSE T3.15AL250V		
Δ F702			F05-4025-05	FUSE T4AL250V		
Δ F703			F06-2021-05	FUSE T2AL250V		
L201			L32-1007-08	COIL(BIAS OSC)		
L202			L39-1375-08	MOTOR CHOKE COIL,4328247186		
L501, 502			L39-1341-08	COIL(SPRING) 1.0UH		
R218			RD14GB2H221J	FL-PROOF RD 220 J 1/2W		
R421, 422			RD14GB2H221J	FL-PROOF RD 220 J 1/2W		
R450			RD14GB2H221J	FL-PROOF RD 220 J 1/2W		
Δ R479, 480			RD14GB2H221J	FL-PROOF RD 220 J 1/2W		
Δ R507			RS14GB2H101J	FL-PROOF RS 100 J 1/2W		
R509			RS14GB2H101J	FL-PROOF RS 100 J 1/2W		
R527, 528			R92-1913-08	WIRE WOUND 0.1 J 2W		
R529, 530			RD14GB2H4R7J	FL-PROOF RD 4.7 J 1/2W		
R533, 534			RD14GB2H4R7J	FL-PROOF RD 4.7 J 1/2W		
R535, 536			RS14GB3A271J	FL-PROOF RS 270 J 1W		
Δ R701			RS14KB3AR47J	FL-PROOF RS 0.47 J 1W		
R702			RD14BB2H102J	RD 1.0K J 1/2W		
Δ R703			RS14GB2H471J	FL-PROOF RS 470 J 1/2W		
R704			RD14GB2H221J	FL-PROOF RD 220 J 1/2W		
Δ R706			RS14GB3A1R0J	FL-PROOF RS 1 J 1W		
R707			RS14GB2H471J	FL-PROOF RS 470 J 1/2W		
R711			RD14BB2H102J	RD 1.0K J 1/2W		
SFR201			R32-0006-08	TRIMMING POT BIAS		
RL501			S76-0048-08	MAGNETIC RELAY		
Δ S701			S62-0083-08	SLIDE SWITCH		
SW201			S68-0114-08	SWITCH		
SW401			S62-0057-08	SLIDE SWITCH(BEAT CANCEL)		
D201-205			1SS133T-77	DIODE		
D202			1SS133T	DIODE		
D206, 207			1N4002	DIODE		
D208-212			1SS133T-77	DIODE		

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D402 D403, 404 D405 D501-506 D701			1SS133T-77 1SS133T-77 1SS133T-77 1SS133T-77 GBU6D	DIODE DIODE DIODE DIODE DIODE		
Δ D702 Δ D703 D706 D707 D708		*	GBL02 1SS133T-77 1SS133T-77 MTZ8.2B MTZ6.2B	DIODE DIODE DIODE ZENER DIODE ZENER DIODE		
D709 D710 D711 D712 IC201			MTZ12B MTZ13B MTZ12B 1SS133T-77 TA8189N	ZENER DIODE ZENER DIODE ZENER DIODE DIODE IC		
IC401 IC402 IC403, 404 Δ IC501 IC502			LC7821 LC75392 NJM4558L STK-405-100A UPC1237HA	IC(FUNCTION CONTROL SWITCH) IC IC(OP AMP X2) IC IC(POWER AMP)		
Q201-206 Q207 Q208 Q209-212 Q213			2SC945 2SA733 2SC945 2SC945 2SA733	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q214, 215 Q216 Q217 Q218 Q219, 220			2SC945 2SA733 2SC945 2SA733 2SC2001L	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q401, 402 Q405 Q406, 407 Q408, 409 Q410			2SC945 2SC945 2SC2878A 2SC945 DTA144ES	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q411, 412 Q413 Q414, 415 Q501, 502 Q503			DTC114TS DTA144ES DTC114TS 2SC945 2SA733	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q504, 505 Q506 Q507 Q508 Q509, 510			2SC1841 2SA988 DTC114ES 2SA733 DTC124ES	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q511, 512 Δ Q513 Δ Q701, 702 Δ Q703 Q704			2SC2878A DTA144ES 2SD313(F) 2SC2001L 2SD313(F)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
Q705 Q706 Q707 Q708, 709 Q710			2SA733 2SC945 2SA953(K) DTC124ES 2SC945	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		

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DISPLAY UNIT						
LCD601 LED610 LED611 LP601-603		*	B38-0174-08 B30-2540-08 B30-2544-08 B30-2539-08	LCD DISPLAY LED 3Q EL1254IT(RED) LED 3Q EL1259-7HGW(GRN/ORG) PILOT LAMP		
C301, 302 C305 C306 C307 C308			CE04KW1HR22M CE04KW1H2R2M CE04KW1C100M CE04KW1C101M CE04KW1HR22M	ELECTRO ELECTRO ELECTRO ELECTRO ELECTRO	0.22UF 2.2UF 10UF 100UF 0.22UF	50WV 50WV 16WV 16WV 50WV
C309 C310 C311 C312 C313			CE04KW1C100M CE04KW1HR47M CE04KW1C220M CE04KW1HR47M CK45FB1H562K	ELECTRO ELECTRO ELECTRO ELECTRO CERAMIC	10UF 0.47UF 22UF 0.47UF 5600PF	16WV 50WV 16WV 50WV K
C314 C315 C316 C317 C318			CK45FB1H224Z CE04KW1HR47M CK45FB1H103K CK45FB1H102K CK45FB1H683K	CERAMIC ELECTRO CERAMIC CERAMIC CERAMIC	0.22UF 0.47UF 0.010UF 1000PF 0.068UF	Z 50WV K K K
C319, 320 C321 C322 C323 C325			CK45FB1H224Z CK45FB1H102K CK45FB1H683K CE04KW1C470M CK45FB1H104Z	CERAMIC CERAMIC CERAMIC ELECTRO CERAMIC	0.22UF 1000PF 0.068UF 47UF 0.10UF	Z K K 16WV Z
C326 C327 C328 C329 C330			CE04KW1C470M CK45FB1E223Z CK45FB1H103K CK45FB1H104Z CE04KW1H010M	ELECTRO CERAMIC CERAMIC CERAMIC ELECTRO	47UF 0.022UF 0.010UF 0.10UF 1.0UF	16WV Z K Z 50WV
C331, 332 C333 C334 C335 C336			CE04KW1HR47M CE04KW1H010M CK45FB1H562K CE04KW1C470M CE04KW1HR47M	ELECTRO ELECTRO CERAMIC ELECTRO ELECTRO	0.47UF 1.0UF 5600PF 47UF 0.47UF	50WV 50WV K 16WV 50WV
C337, 338 C339 C340 C341 C342			CE04KW1H2R2M CE04KW1H220M CE04KW1H2R2M CK45FB1H473Z CK45FB1H224Z	ELECTRO ELECTRO ELECTRO CERAMIC CERAMIC	2.2UF 22UF 2.2UF 0.047UF 0.22UF	50WV 50WV 50WV Z Z
C343 C344 C345 C346 C350, 351			CE04KW1H2R2M CE04KW1H010M CE04KW1C100M CK45FB1E223Z CK45FB1H104Z	ELECTRO ELECTRO ELECTRO CERAMIC CERAMIC	2.2UF 1.0UF 10UF 0.022UF 0.10UF	50WV 50WV 16WV Z Z
C352, 353 C354, 355 C356 C601 C603			CK45FB1H392K CK45FB1H104Z CE04KW1C100M C91-1525-08 C90-3824-08	CERAMIC CERAMIC ELECTRO CERAMIC ELECTRO	3900PF 0.10UF 10UF 0.1UF 4700UF	K Z 16WV Z 5.5WV
C604 C605 C606 C607			CK45FB1E223Z CE04KW1A470M C91-1525-08 CE04KW1H2R2M	CERAMIC ELECTRO CERAMIC ELECTRO	0.022UF 47UF 0.1UF 2.2UF	Z 10WV Z 50WV

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

* New Parts
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.

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Ref. No	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C608			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C609			C91-1525-08	CERAMIC 0.1UF Z		
C610			CE04KW1H100M	ELECTRO 10UF 50WV		
C611			CK45FB1E223Z	CERAMIC 0.022UF Z		
C612, 613			CC45CH1H200J	CERAMIC 20PF J		
C615, 616			C91-0749-05	CERAMIC 220PF K		
C617			CK45FB1H101K	CERAMIC 100PF K		
C618			CE04KW1H100M	ELECTRO 10UF 50WV		
C619			C91-0749-05	CERAMIC 220PF K		
C622			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C623			CE04KW1A471M	ELECTRO 470UF 10WV		
C629			CE04KW1A101M	ELECTRO 100UF 10WV		
C631			CE04KW1A330M	ELECTRO 33UF 10WV		
C634			CK45FB1E103Z	CERAMIC 0.010UF Z		
C635, 636			C91-1525-08	CERAMIC 0.1UF Z		
CN10		*	E40-8370-08	FLAT CABLE CN(1.25)(DISPLAY)		
CN302			E40-8351-08	PIN ASSY(6P)(MIC UNIT)		
CN401		*	E40-8369-08	PIN ASSY 19P(DISPLAY UNIT)		
CN403			E40-9861-08	PIN ASSY(8P)(MIC UNIT)		
CN405			E40-8335-08	PIN ASSY(4P)(MIC UNIT)		
JK301, 302			E11-0387-08	JACK(MIC)		
L301		*	L39-1377-08	P. COIL		
L601			L33-0521-08	CHOKE COIL,4327471150		
X601			L77-2244-08	CRYSTAL		
VR601			R31-0100-08	POTENTIOMETER,ECHO		
VR602			R31-0099-08	POTENTIOMETER,MIC,5020114297		
VR603			T99-0616-08	ENCODER,VOLUME		
S601~617			S70-0036-08	TACT SWITCH		
S618~626			S70-0036-08	TACT SWITCH		
D601			1SS133T-77	DIODE		
D602			1N4148	DIODE		
D603, 604			1SS133T-77	DIODE		
D614~617			1SS133T-77	DIODE		
IC301			TA2011S	IC		
IC302		*	M65850P	IC		
IC303			BA3837	IC		
IC304			NJM78L05A	IC(VOLTAGE REGULATOR/ +5V)		
IC601		*	LC867224A-5H95	IC		
Q301~303			2SC945	TRANSISTOR		
Q304, 305			2SA733	TRANSISTOR		
Q306, 307			2SC2878A	TRANSISTOR		
Q308			DTC114TS	TRANSISTOR		
Q601, 602			2SC945	TRANSISTOR		
Q603, 604			2SA733	TRANSISTOR		
Q605			DTA124ES	TRANSISTOR		
RM601			W02-2680-08	REMOTE RECEIVER		
SPEAKER (LS-N313)						
-		*	H50-3000-08	ITEM CARTON CASE		
-			T03-0505-08	TWEETER UNIT(MULTIPLE)		
-			T10-1006-08	WOOFER UNIT		
-		*	W03-5843-05	SPEAKER		

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PARTS LIST

RXD-V313

RXD-V313

SPECIFICATIONS

Main unit

[Amplifier section]

Effective output power during STEREO operation
1 kHz, 10 % T.H.D., 6 Ω 60 W + 60 W

Input sensitivity / impedance

AUX 300 mV / 40 k Ω
MIC 1, 2 2.5 mV / 2.2 k Ω

Output level / impedance

AUX 200mV / 2.2 k Ω

[Tuner section]

FM tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

AM Tuner section

Tuning frequency range

9 kHz step 531 kHz ~ 1,602 kHz
10 kHz step 530 kHz ~ 1,610 kHz

[Cassette deck section]

Track 4-track, 2-channel stereo
Recording system AC bias system
(Frequency: 105 kHz)

Heads

A deck Playback / recording head 1
Erasing head 1
B deck Playback head 1

Motor 1

Fast winding time Approx. 100 seconds
(C-60 tape)

[VIDEO CD player section]

Laser Semiconductor laser
Wow & Flutter Less than unmeasurable Limit
Video output format NTSC/PAL
Composit video output level 1 Vp-p
(75 Ω , negative sync)
Compression format MPEG1

[General]

Power consumption 180 W
Dimensions W: 280 mm (11")
H: 320 mm (12-5/8")
D: 405 mm (15-15/16")
Weight (net) 9.1kg (20.1 lb)

Speakers (LS-N313)

Enclosure Bass-reflex type
Speaker configuration
Woofers 160 mm, cone type
Tweeters 50 mm, cone type
Impedance 6 Ω
Maximum input level 60 W
Dimensions W: 220 mm (8-11/16")
H: 320 mm (12-5/8")
D: 295 mm (11-5/8")
Weight (net) 3.7 kg (8.2 lb) (1 piece)



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

Note:

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

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