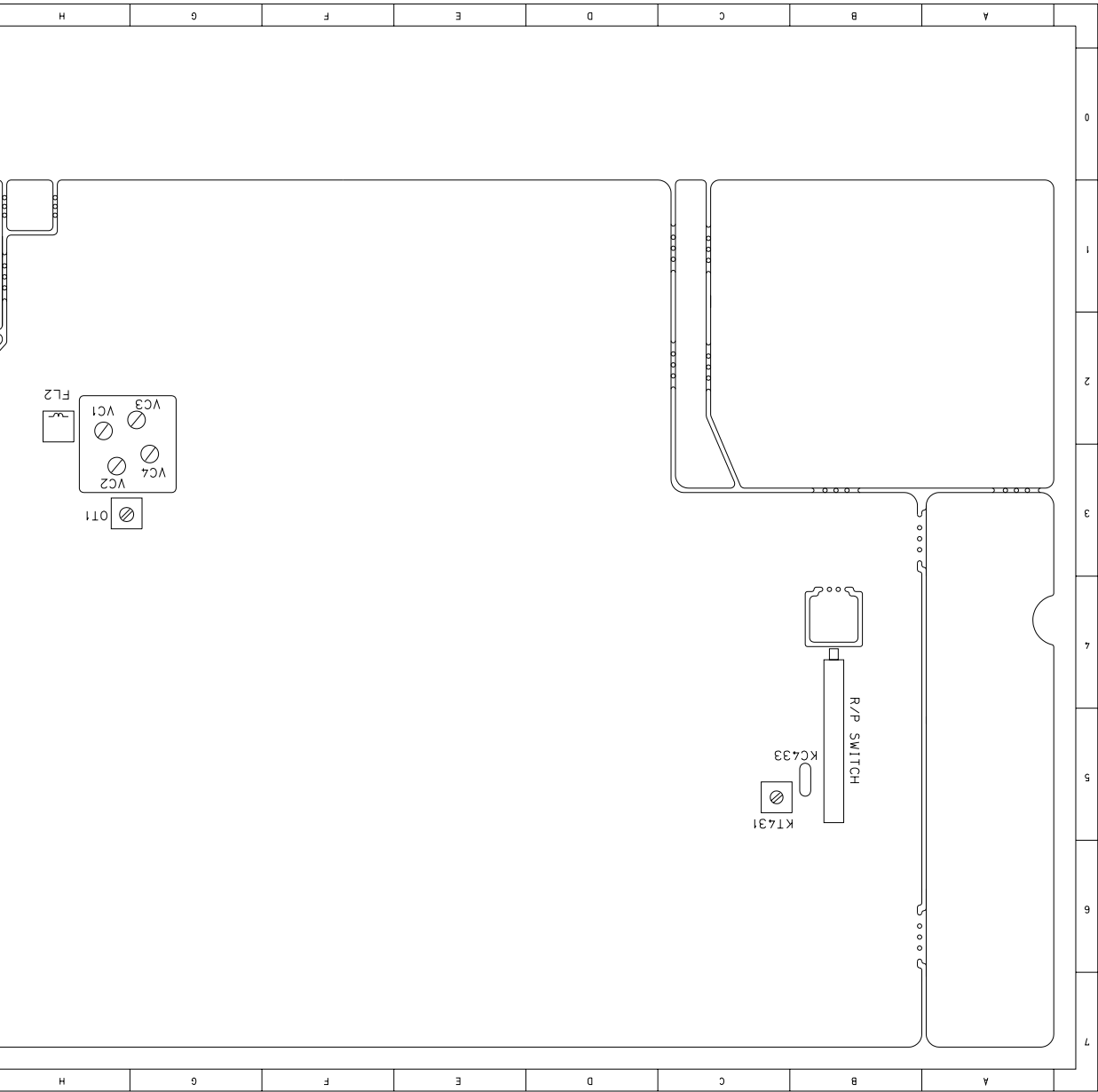


1. Alignment and Adjustments

1-1 Instrument



1-1-1 Test Equipment

- 1. AM/FM Standard Signal Generator (S.S.G)
 - AM : 400Hz, 30% MOD
 - FM : 1KHz , 40KHz(Deviation)
- 2. Oscilloscope
- 3. VTVM
- 4. Frequency counter
- 5. Loop antenna
- 6. Dummy load (3Ω)
- 7. DC voltmeter
- 8. SW Dummy ANT
- 9. FM Stereo Modulator
- 10. FM/ AM IF Generator : 10.7MHz,455kHz

1-1-2 Pre-Adjustment

- 1. Check the source voltage
- 2. Select desired Band and Function.
- 3. Set the SBS control to off position.
- 4. Set volume control to approximately 50mW(3ohm)

1-2 Tuner Section

1-2-1 FM Adjustment

Step	Item	Connection	SSG.FREQ.	FREQ. Setting	Adjust. Point	Remark
1	Intermediate frequency (IF) adjustment	Fig 1-2	10.7 MHz	Tune to the lowest	Not required	checked
2	FM frequency coverage adjustment	Fig 1-3	87.3 MHz	Tune to the lowest	FL2 FM OSC COIL	Best resonating point of SSG
3			108.3 MHz	Tune to the highest	VC1 OSC TRIMMER	Best resonating point of SSG
4	FM tracking adjustment	Fig 1-3	90 MHz	90 MHz	Not required	
5			106 MHz	106 MHz	VC2 ANT TRIMMER	Maximum output
6	Stereo separation adjustment	Fig 1-3 Connect Stereo generator to S.S.G additionally	98 MHz	98MHz	Not required	

FM IF OUTPUT : PIN NO. 19 of FIC1(KA22901) - Preference next page(Fig 1-2)

Fig 1-1 Location of Adjustment Point

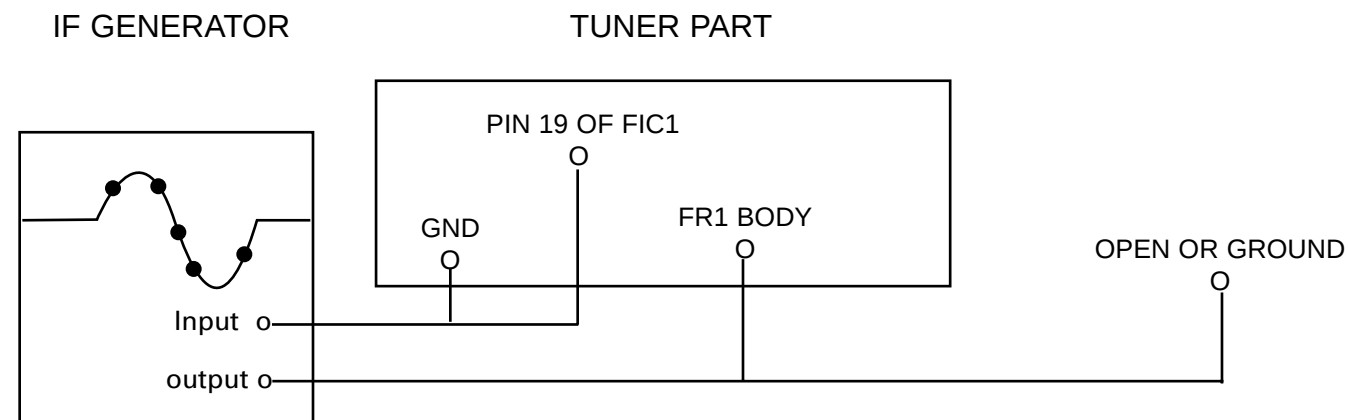


Fig 1-2

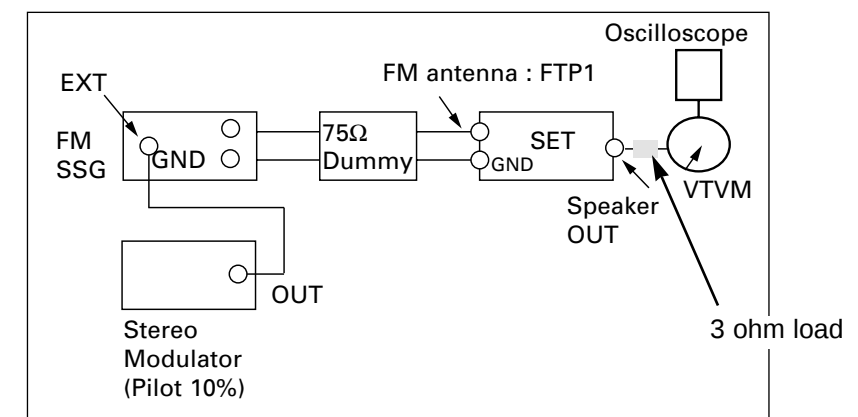


Fig 1-3

1-2-2 AM Adjustment(2BAND)

Step	Item	Connection	SSG.FREQ.	FREQ. Setting	Adjust. Point	Remark
1	Intermediate frequency (IF) adjustment	Fig1-4	455 KHz (465) KHz	Tune to the lowest	AM IFT : IT 1(WHT)	Maximum output
2	AM frequency coverage adjustment	Fig 1-5	515 KHz	Tune to the lowest	AM OSC COIL : OT 1	Best responding point of SSG
3			1650 KHz (1750)KHz	Tune to the highest	OSC TRIMMER : VC4	Best responding point of SSG
4	AM tracking adjustment	Fig 1-5	600 KHz	600 KHz	AM ANT COIL	Maximum output
5			1400 KHz	1400 KHz	ANT TRIMMER : VC3	Maximum output

AM IF OUTPUT : PIN NO. 19 of FIC1(KA22901)

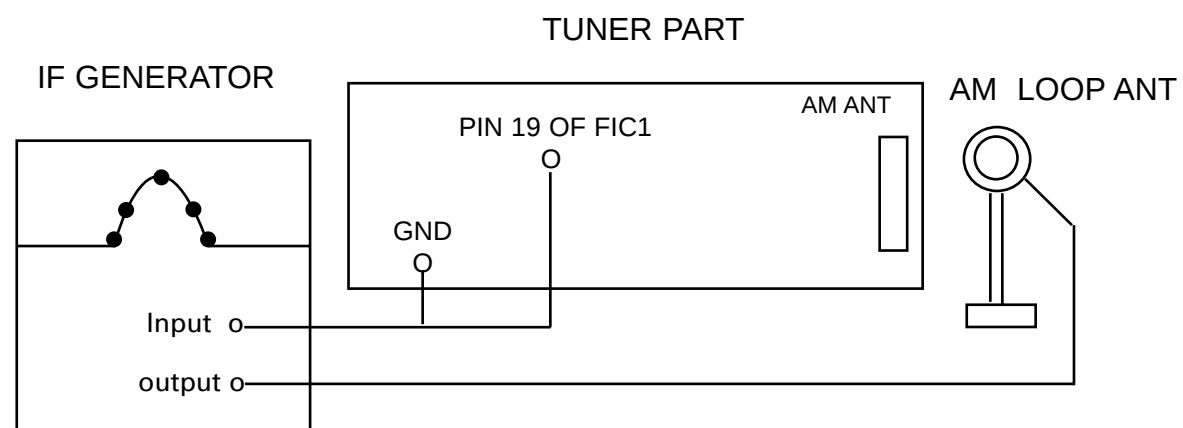


Fig 1-4

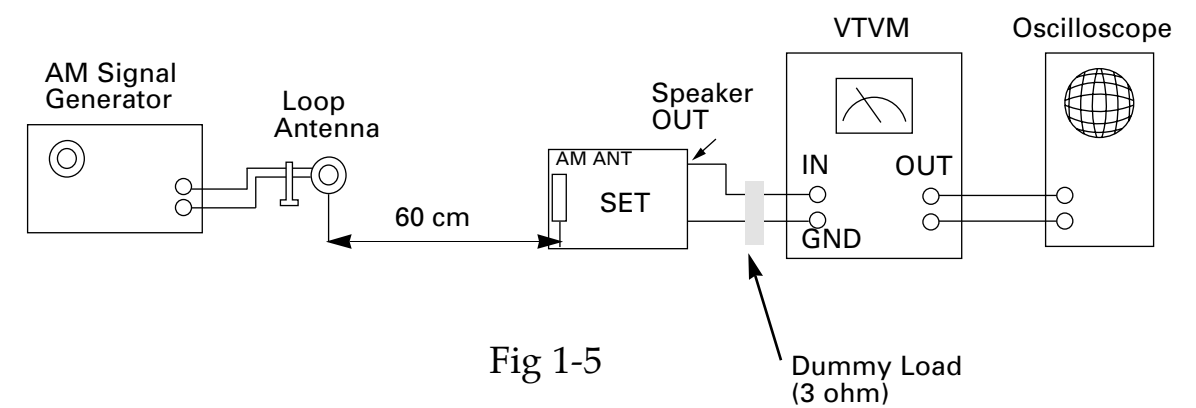


Fig 1-5

1-3 3BAND Adjustment

1-3-1 AM/SW

Step	Item	Connection	SSG.FREQ.	FREQ. Setting	Adjust. Point	Remark
1	Intermediate frequency (IF) adjustment	IF is the same as 2 band's				
2	AM frequency coverage adjustment	Fig 1-5	515 KHz	Tune to the lowest	OT2	Best responding point of SSG
3			1650 KHz	Tune to the highest	VC4	Best responding point of SSG
4	AM tracking adjustment	Fig 1-5	600 KHz	600 KHz	AM ANT COIL	Maximum output
5			1400 KHz	1400 KHz	VC3	Maximum output
6	SW frequency coverage adjustment	Fig 1-6,1-7	5.7 KHz	Tune to the lowest	OT1	Best responding point of SSG
7			18.5 KHz	Tune to the highest	OCT4	Best responding point of SSG
8	SW tracking adjustment	Fig 1-6,1-7	7 MHz	7 MHz	OL1	Maximum output
9			15 MHz	15 MHz	Not required	

1-3-2 MW(AM)/LW

Step	Item	Connection	SSG.FREQ.	FREQ. Setting	Adjust. Point	Remark
1	Intermediate frequency (IF) adjustment	IF is the same as 2 band's				
2	AM frequency coverage adjustment	Fig 1-5	515 KHz	Tune to the lowest	OT1	Best responding point of SSG
3			1650 KHz	Tune to the highest	VC4	Best responding point of SSG
4	AM tracking adjustment	Fig 1-5	600 KHz	600 KHz	AM ANT COIL	Maximum output
5			1400 KHz	1400 KHz	VC3	Maximum output
6	LW frequency coverage adjustment	Fig 1-5	145 KHz	Tune to the lowest	OT2	Best responding point of SSG
7			295KHz	Tune to the highest	OCT4	Best responding point of SSG
8	LW tracking adjustment	Fig 1-5	170MHz	170 MHz	LW ANT COIL	Maximum output
9			270 MHz	270 MHz	Not required	

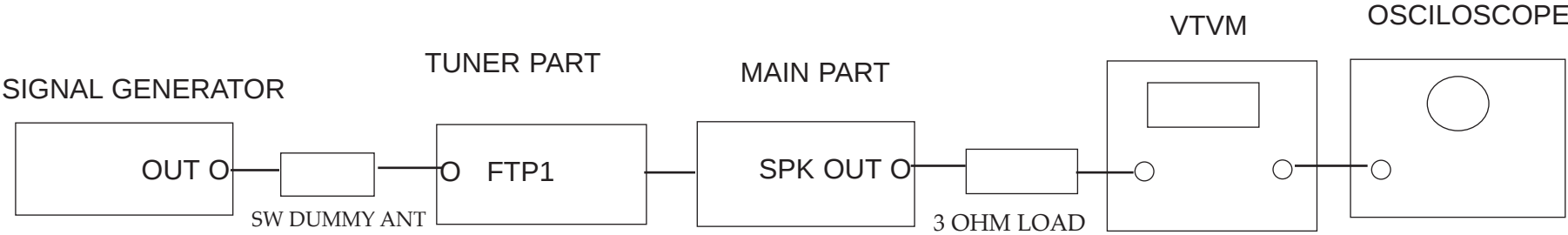


Fig1-6

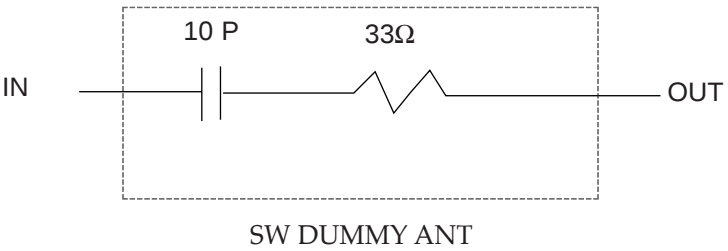


Fig1-7

1-4. Tape section

1-4-1. Recording BIAS adjustment

- 1) Connect frequency counter to KC433 (See Fig.1-8) and press the Record button.
- 2) Adjust KT431 (BIAS OSC COIL) until frequency counter reads 50KHz on stereo FM mode .

1-4-2. Tape AZIMUTH adjustment

- 1) Connect the equipments as per Fig.1-10 to adjust the tape azimuth with test tape (recorded at 6.3KHz : MTT-113N)
- 2) Play the test tape after inserting in DECK.
- 3) Adjust the azimuth adjustment screw of left side of record/play head for maximum output and for the same channel phase. (see Fig.1-9)

1-4-3. Tape speed adjustment

- 1) Connect the equipments as shown in Fig.1-10 adjust the tape speed with test tape (recorded at 3KHz : MTT-111N)

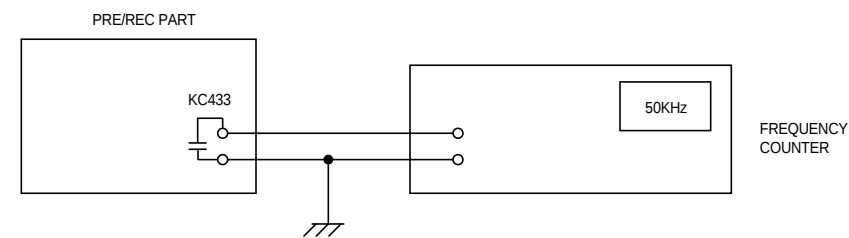


Fig.1-8 Recording bias adjustment

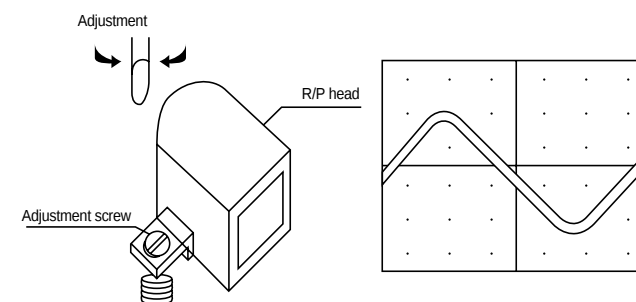


Fig.1-9 Azimuth speed adjustment

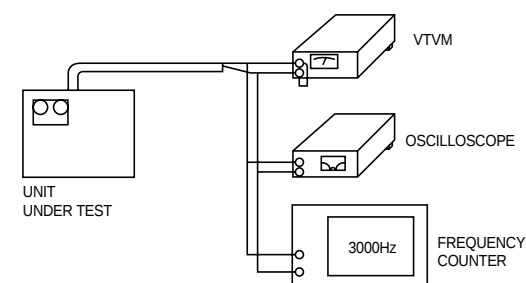
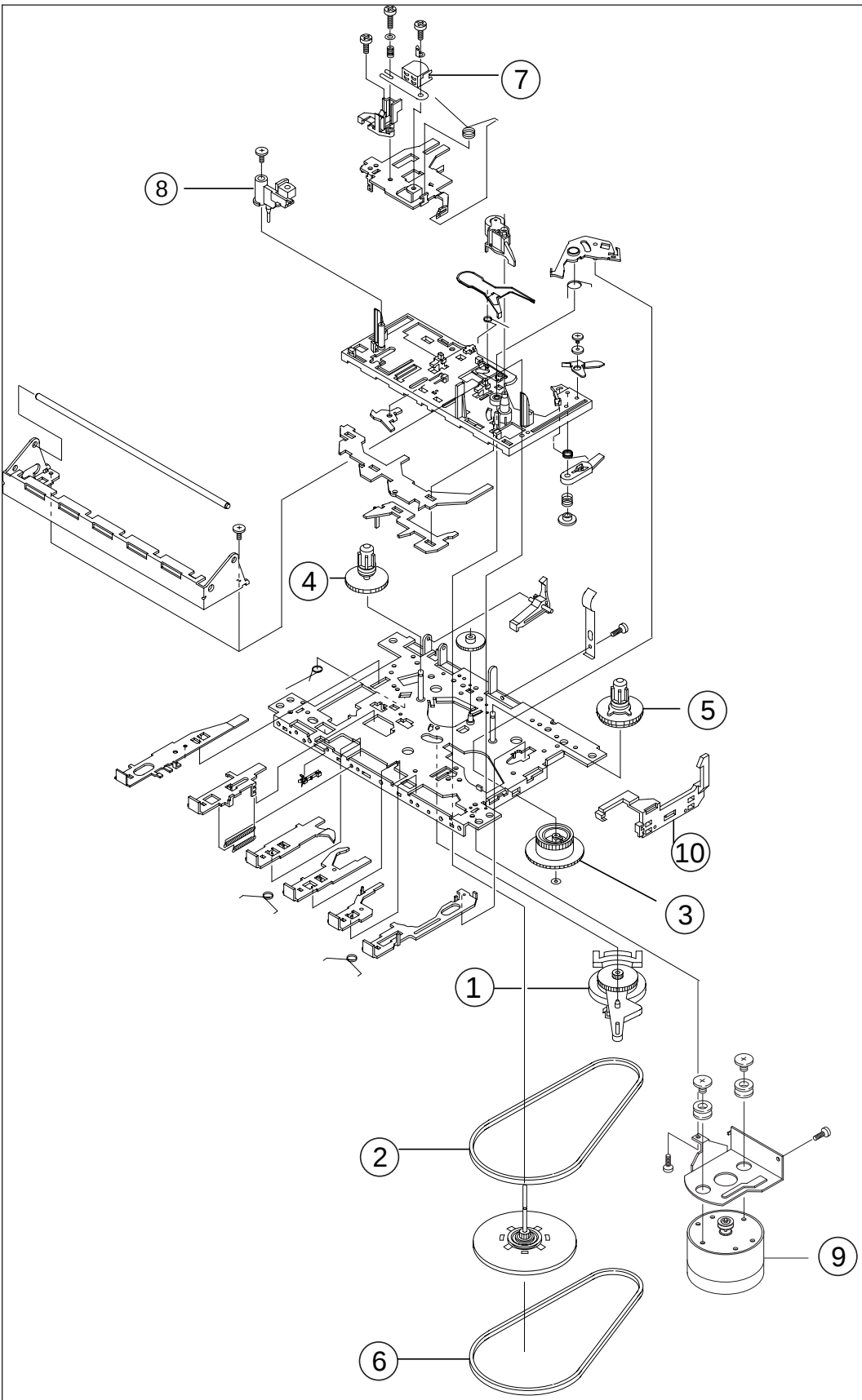


Fig.1-10

2.Exploded Views and Parts List

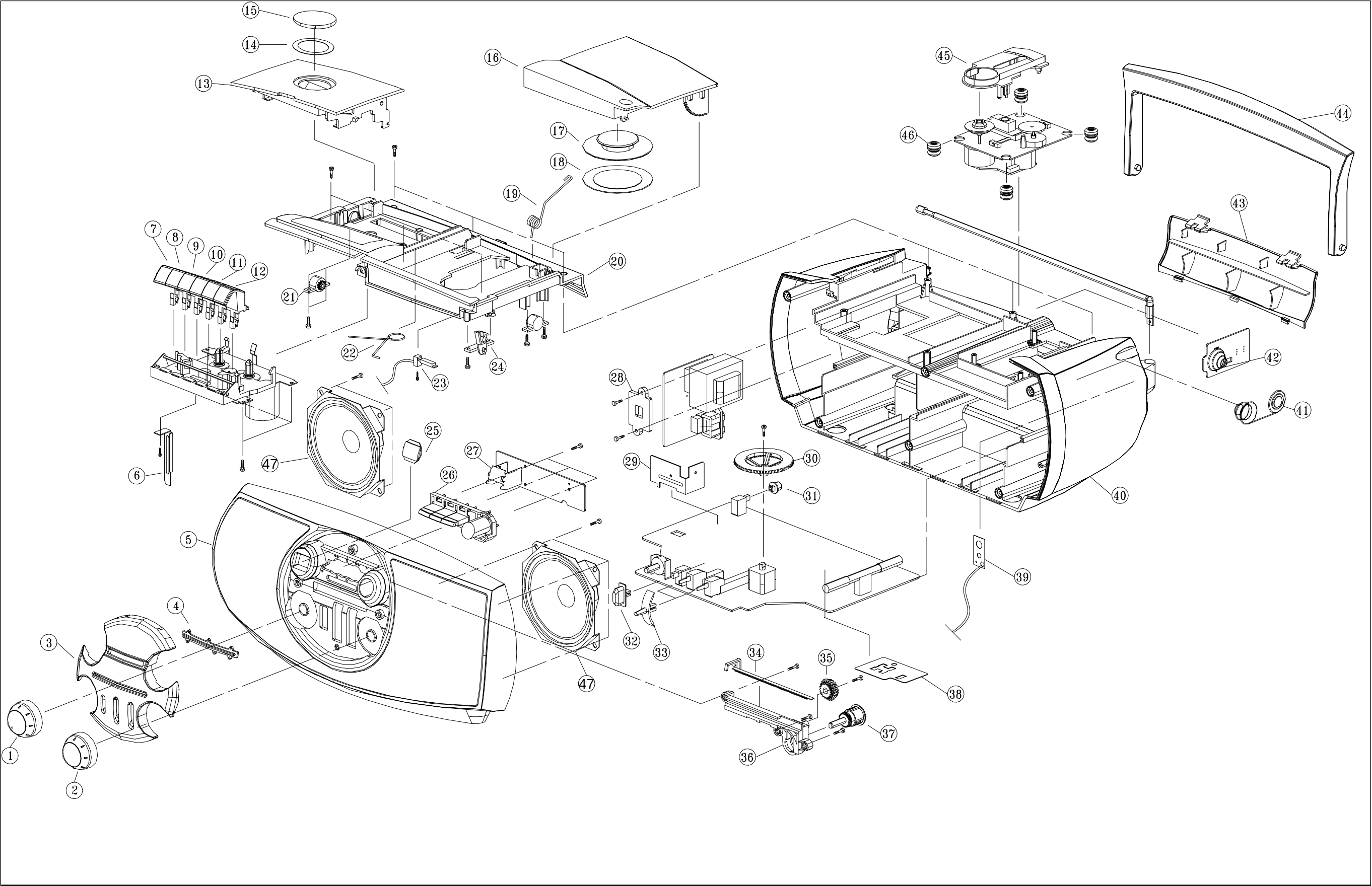
2-1 Cassette Deck Exploded View and Parts List



No.	Code No.	Description	Specification	Remarks
	AH59-20005Y	DECK ASS'Y	YN21ZSC-53	
1	AH81-11037D	R.F PULLEY ASS'Y	8521-200090-300	
2	AH81-11154D	BELT SUB	6600-090014-001	
3	AH81-11037H	CAM GEAR	6021-200802-001	
4	AH81-11037J	S REEL ASS'Y	8521-200080-300	
5	AH81-11037K	T REEL ASS'Y	8521-200070-300	
6	AH81-11154E	BELT MAIN	6600-090020-001	
7	AH81-11150W	R/P HEAD	TC-591	
8	AH81-11150X	ERASE HEAD	TC-230AN	
9	AH81-11154F	MOTOR	EG530AD9B	
10	AH81-10695L	EJECT SLIDE LEVER	YAN10N	

2-2 Main Exploded View and Parts List

2-2-1 Exploded View

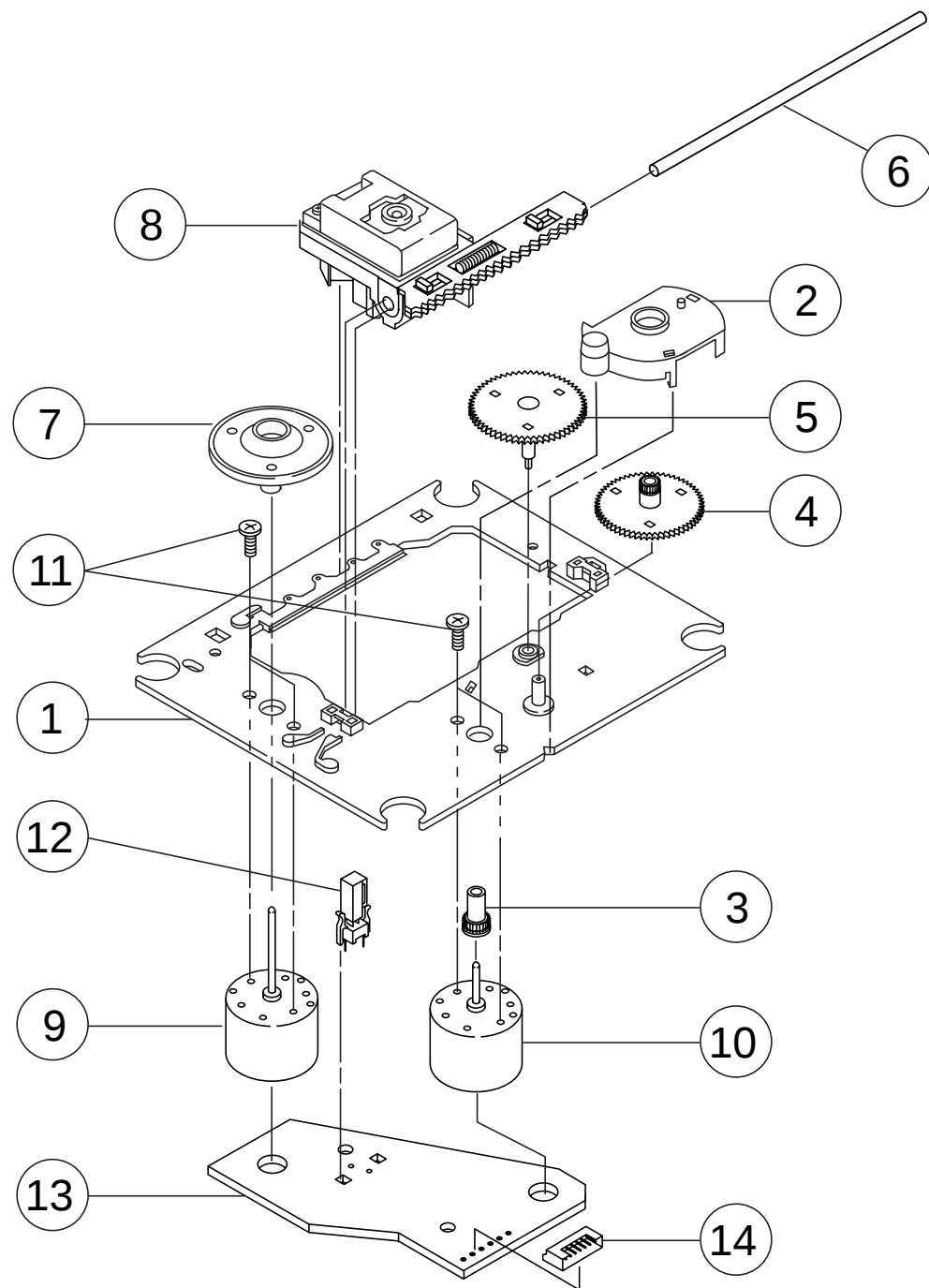


2-2-2 Parts List

No.	Code No.	Description	Specification	Remarks
1	AH64-11294A	KNOB-ROTARY	-,ABS,-,BLK,-,RCD380	
2	AH64-11304A	KNOB-TUNING	-,ABS,-,BLK,-,RCD380	
3	AH64-42014A	DECORATION-FRONT	-,HIPS,-,T2.5,-,RCD380	
4	AH64-42016A	WINDOW-SCALE	-,PMMA,-,,-,CLEAR,-,RCD380	
5	AH64-32007A	CABINET-FRONT	-,HIPS,-,T3,-,BLK,-,RCD380	
6	AH61-10761B	BRACKET-REC	-,STS+SECC,-,T0.5,-,,-,RCD380	
7	AH64-11298A	KNOB-DECK,REC	-,ABS,-,BLK,-,RCD380	
8	AH64-11299A	KNOB-DECK,PLAY	-,ABS,-,BLK,-,RCD380	
9	AH64-11300A	KNOB-DECK,FF	-,ABS,-,BLK,-,RCD380	
10	AH64-11301A	KNOB-DECK,REW	-,ABS,-,BLK,-,RCD380	
11	AH64-11302A	KNOB-DECK,STOP	-,ABS,-,BLK,-,RCD380	
12	AH64-11303A	KNOB-DECK,PAUSE	-,ABS,-,BLK,-,RCD380	
13	AH64-52006A	DOOR-CASSETTE	-,ABS,-,T2.5,-,BLK,-,RCD380	
14	AH68-50496A	LABEL-STICKER	RCD380,DOUBLETAPE	
15	AH64-42015A	WINDOW-DOOR	-,PMMA,-,,-,CLEAR,-,RCD380	
16	AH64-52005A	DOOR-CD	-,ABS,-,T2.5,-,BLK,-,RCD380	
17	16603-511-840	CHUCK-PLATE	ABS+GF BLK NEW RCD-1360	
18	AH63-70025B	SHEET-CHUCK	HYMERON,T0.3,L50,W68,BLK	
19	AH61-62007B	SPRING-CD DOOR	-,,-,SUS304,PI1.3,RCD380	
20	AH64-32009A	CABINET-TOP	-,MIPS,-,T2.5,-,BLK,-,RCD380	
21	AH61-80030A	DAMPER-ASSY	-,POM,M0.8,G130,BLK,-,MAX-630	
22	AH61-60397A	SPRING-DOOR	-,STS,-,PI1.2,-,,-,RCD380	
23	3409-000107	LEAF-SW		
24	AH95-50001A	LATCH ASSY	MAX555	
25	AH64-42017A	WINDOW-LCD	-,PMMA,-,,-,CLEAR,-,RCD380	
26	AH64-11293A	KNOB-CD FUNCTION	-,ABS,-,BLK,-,RCD380	
27	AH61-10762A	BRACKET-LCD	-,SPTE,-,T0.3,-,,-,RCD380	
28	AH61-22006A	HOLDER-PT	-,MIPS,-,BLK,-,RCD380	
29	AH62-30130A	HEAT-SINK	-,ALS,-,T1.0,-,,-,POWER,RCD380	
30	AH66-20222A	GEAR-DRUM	-,ABS,-,,-,BLK,-,RCD380	
31	AH64-11297A	KNOB-PUSH	-,ABS,-,BLK,-,RCD380	
32	AH64-11296A	KNOB-SBS	-,ABS,-,BLK,-,RCD380	
33	AH64-11295A	KNOB-LEVER	-,ABS,-,BLK,-,RCD380	
34	AH64-90021A	POINTER	-,P.P,-,WHT,-,RCD380	
35	AH66-20224A	GEAR-PULLEY	-,ABS,-,,-,BLK,-,RCD380	
36	AH61-10763A	CHASSIS-TUNING	-,ABS,-,,-,BLK,-,RCD380	
37	AH66-20223A	GEAR-TUNING	-,ABS,-,,-,BLK,-,RCD380	
38	AH62-30131A	HEAT-SINK	-,ETHD,-,T0.5,-,,-,CD,RCD380	
39	AH61-10535A	BRACKET-ANT	SPTE,-,T0.3,-,,-,RCD1300	
40	AH64-32008A	CABINET-BACK	-,MIPS,-,,-,RCD380	
41	AH61-60395A	SPRING-BATTERY,+	-,STS,-,PI1.2,-,,-,RCD380	
42	AH61-60396A	SPRING-BATTERY,-	-,STS,-,PI1.2,-,,-,RCD380	
43	AH64-20151A	LID-BATTERY	-,MIPS,-,T2.5,-,BLK,-,RCD380	
44	AH64-50350A	HANDLE	-,HIPS,-,,-,BLK,RCD380	
45	AH61-20529A	CAP-PICK UP	RCD380,ABS,-,BLK,-,-	
46	AH73-10031A	RUBBER-CD	RUBBER,-,RCD380	
47	3001-001070	SPEAKER	5W,3ohm,90dB,110Hz	

2-3 CD Deck Exploded View and Parts List

CMS - B31 EXPLODED VIEW



NO.	Description	CODE NO.	Q'TY
	DECK-CD	CMS-B31	
1	CHASSIS-DECK(M)	AJ70-00601E	1
2	COVER-GEAR	AJ66-00601G	1
3	GEAR(A)	AJ66-00601D	1
4	GEAR(B)	AJ66-00601B	1
5	GEAR(C)	AJ66-00601F	1
6	SHAFT-PU	AJ70-00601A	1
7	TURN-TABLE(S)	AJ72-00602C	1
8	*SOH-AA	AJ75-00601F	1
9	MOTOR-SPINDLE	AJ31-00601C	1
10	MOTOR-FEED	AJ31-00601A	1
11	SCREW-PH(+M2*3)	AJ60-00601D	4
12	SWITCH-LEAF	3409-000174	1
13	PCB-SUB	AJ41-00601E	1
14	CONNECTOR-WAFER	AJ37-00601A	1

3. Electrical Parts List

Location no.	Code no.	Description & Specification	Remarks	Location no.	Code no.	Description & Specification	Remarks
	AH26-80143W	TRANS-POWER	E148X25.115/230V/60/50	WR11,WR1,WR17	2001-000319	R-CARBON	120Kohm,5%,1/8W,AA,TP,
	AH39-10001K	POWER-CORD	CP2,KLCE-2F,2M,KKS-15,	IR2,WR2,WR26,WR27,WR9	2001-000331	R-CARBON	12Kohm,5%,1/8W,AA,TP,1
	AH59-20005N	DECK-CDP	CBM-831T66	WR19,WR2,WR7	2001-000356	R-CARBON	150kohm,5%,1/8W,AA,TP
	AH39-10060W	POWER-CORD	AP2,KJP-173/0201/KJ3201A	KR433	2001-000376	R-CARBON	150HM,5%,1/8W,AA,TP
	AH39-10001D	POWER-CORD	EP2, SPT-1 # 2/18.2M,KKS-18	KR403,KR4,WR3	2001-000397	R-CARBON	RN 1/8T 180K-J
				IR3,RR7,SR204,SR254,WR20	2001-000429	R-CARBON	1kohm,5%,1/8W,AA,TP,1
				WR54,XR5,XR5R			
				JR305,WR6	2001-000435	R-CARBON	1Mohm,5%,1/8W,AA,TP,1
				KR402,KR4,MR5,UR904 UR954	2001-000449	R-CARBON	2.2Kohm,5%,1/8W,AA,TP,1
				KR302,JR3,MR3	2001-000508	R-CARBON	120Kohm,5%,1/8W,AA,TP,1
				AR601,AR6,QR503	2001-000515	R-CARBON	220ohm,5%,1/8W,AA,TP,1
				IR10,IR4,MR2,QR503	2001-000522	R-CARBON	22Kohm,5%,1/8W,AA,TP,1
				JR306,KR4,WR28	2001-000527	R-CARBON	22ohm,5%,1/8W,AA,TP,1
				WR51,XR2,XR2R	2001-000563	R-CARBON	27Kohm,5%,1/8W,AA,TP,1
				RR706,RR7,WR52,WR53	2001-000591	R-CARBON	33Kohm,5%,1/8W,AA,TP,1
				XR3L,XR3	2001-000660	R-CARBON	33Kohm,5%,1/8W,AA,TP,1
				WR18,WR3,WR31,WR32,WR33	2001-000702	R-CARBON	39Kohm,5%,1/8W,AA,TP,1
				IR5,IR6,SR203,SR253,XR4L	2001-000734	R-CARBON	4.7Kohm,5%,1/8W,AA,TP,
				XR4R,XR6,XR6R			
				WR2	2001-000773	R-CARBON	470Kohm,5%,1/8W,AA,TP,
				KR432,MR6,MR7,MR8,MR9	2001-000786	R-CARBON	47Kohm,5%,1/8W,AA,TP,1
				WR12,WR1			
				OR2	2001-000793	R-CARBON	47ohm,5%,1/8W,AA,TP,1
				JR304,JR3,SR202,SR252,232	2001-000802	R-CARBON	5.6Kohm,5%,1/8W,AA,TP,1
				WR13	2001-000864	R-CARBON	56Kohm,5%,1/8W,AA,TP,1
				QR501,QR5	2001-000890	R-CARBON	6.8Kohm,5%,1/8W,AA,TP,1
				IR9	2001-000938	R-CARBON	68ohm,5%,1/8W,AA,TP,1
				WR4	2001-000977	R-CARBON	8.2KOHM,5%,1/8W,AA,TP,1
				WR1	2001-000989	R-CARBON	820Kohm,5%,1/8W,AA,TP,
				WR29,WR3	2001-001000	R-CARBON	82Kohm,5%,1/8W,AA,TP,1
				WR35	2001-001006	R-CARBON	82ohm,5%,1/8W,AA,TP,1
				RR701	2001-001096	R-CARBON(S)	2.2ohm,5%,1/2W,AA,TP,2
				WFR71	2008-000141	R-FUSIBLE	2.2ohm,5%,1/4W,AA,TP,2
				OC4	2201-000144	C-CERAMIC,DISC	100pF,5%,50V,NPO,8.0x4
				OC3	2201-000202	C-CERAMIC,DISC	10pF,5%,50V,NPO,5.0*3
				WC27	2201-000223	C-CERAMIC,DISC	12pF,5%,50V,NPO,5.0*3
				FC2	2201-000354	C-CERAMIC,DISC	20pF,5%,50V,NPO,5.0*3
				FC1,FC3	2201-000389	C-CERAMIC,DISC	22pF,5%,50V,NPO,5.0*3
				FC4	2201-000399	C-CERAMIC,DISC	24PF,5%,50V,RH,TP,6.5*0
				WC53,WC5	2201-000423	C-CERAMIC,DISC	27pF,5%,50V,NPO,5.0*3
				NFR2	2201-000432	C-CERAMIC,DISC	2PF,5%,50V,NPO,5.0*3.0
				MC5,MC6	2201-000483	C-CERAMIC,DISC	33pF,5%,50V,NPO,5x3.5mm
				AC603	2201-000565	C-CERAMIC,DISC	47nF,+80%,-20% 50V Y5V
				FC5	2201-000582	C-CERAMIC,DISC	4PF,0.3PF,50V,NPO
				OC72	2201-000619	C-CERAMIC,DISC	5pF,50V,NPO,5.0*3.0.5mm
				NFR2	2201-000659	C-CERAMIC,DISC	6pF,0.5pF,50V,SL,5.0*3
				NFC1	2201-000666	CERAMIC,DISC	7P,CH,BLACK MARKING
				WC22,WC2,WC25,WC64	2201-000783	C-CERAMIC,DISC	100nF,+80%,-20%,50V,Y5
				IC1,OC6	2201-000865	C-CERAMIC,DISC	68PF,5%,50V,CH,TP,6.5*
				IC3,WC1	2202-000231	C-CERAMIC,MLC-AXIA	330pF,10%,50V,Y5P,3.5x
				FC18,FC1,J3C303,J3C353 NJC1	2202-000781	C-CERAMIC,MLC-AXIA	100pF,10%,50V,Y5P,3.5x
				QC505,QC5,UC904,UC954			
				KC434,KC3,SC201,SC251,WC19	2202-000796	C-CERAMIC,MLC-AXIA	1nF,10%,50V,Y5P,3.5x19,1
				WC23,WC3,XC3L,XC3R,XCSR			
				WC10,WC1,WC17,WC2,WC20	2202-000797	C-CERAMIC,MLC-AXIA	10nF,30%,16V,Y5R,3.5x1,1
				WC21,WC5,WC57,WC58,WC59			
				WC61,WC6,WC70,XC4L,XC4R			
				XC9			
				NC11,NC1,NC13,NC14	2202-000806	C-CERAMIC,MLC-AXIA	220pF,10%,50V,Y5P,3.5x
				AC606,FC1,FC16,FC17,RC706	2202-000807	C-CERAMIC,MLC-AXIA	22nF,+80-20%,25V,Y5V,3
				UC903			
				JC302,JC3	2202-000809	C-CERAMIC,MLC-AXIA	3.3nF,20%,16V,Y5R,3.5x
				WC28,WC2	2202-000817	C-CERAMIC,MLC-AXIA	4.7nF,20%,16V,Y5R,3.5x
				IC4	2202-000825	C-CERAMIC,MLC-AXIA	680pF,10%,50V,Y5P,3.5x
				QC501,QC5	2202-000829	C-CERAMIC,MLC-AXIA	820pF,10%,50V,Y5P,3.5x
				WC1,WC5	2202-000848	C-CERAMIC,MLC-AXIA	1.5nF,20%,16V,Y5R,3.5x
				KC401,KC4,KC451,KC452 WC18	2202-000850	C-CERAMIC,MLC-AXIA	2.2nF,20%,16V,Y5R
				KC432	2301-000385	C-FILM,PEF	1.5nF,10%,50V,5.1x12x3
				KC305,JC3	2301-000395	C-FILM,PEF	12nF,10%,50V,7x12x3.5
				WC15	2301-000389	C-FILM,PEF	150nF,5%,50V,12.5x15x7
				IC11,IC1,IC5	2301-000390	C-FILM,PEF	15nF,10%,50V,7x12x3.5
				QC502,QC5,WC16,WC4,WC6	2301-000430	C-FILM,PEF	33nF,10%,50V,9x12x2.5x4
				WC51	2301-000449	C-FILM,PEF	47nF,10%,50V,9.5x12.5x
				WC23	2301-000454	C-FILM,PEF	5.6nF,10%,50V,6x12x3.7
				WC12	2301-000469	C-FILM,PEF	68nF,10%,50V,10x12.5x5
				IC9	2301-000476	C-FILM,PEF	82nF,10%,50V,10.5x12.5
				SC202,SC2,WC33,WC7,WC8	2303-000312	C-FILM,PPF	100nF,1%,50V,7.5*12.5"
				AC602,IC2,JC1,JC309,QC504	2401-000240	C-AL	100uF,20%,10V,GP5*11m,1
				RC708,WC3,WC34,WC35 WC55			
				WC60,WC6,WC63,WC64 WC65			
				XC8			
				AC604,UC9	2401-000303	C-AL	100uF,20%,25V,GP,6.3*11
				MC1	2401-000419	C-AL	100uF,20%,16V,GP5*11.5
				IC8	2401-000759	C-AL	220nF,20%,50V,GP5X11M
				RC707	2401-001102	C-AL	330uF,20%,16V,GP8*11
				IC2	2401-001164	C-AL	33uF,20%,16V,GP5*11.5
				AC605,AC6,UC905	2401-001364	C-AL	470uF,20%,16V,GP10x12
				JC304,JC3,JC354,KC431	2401-001538	C-AL	47uF,20%,25V,GP5*11.5
				WC30	2401-001645	C-AL	680uF,20%,50V,GP5*11
MIC1	AH09-10063X	IC-MICOM	K557C2308Q				
KT431	AH26-10001B	TRANS-IF	BIAS,1.65MH(RED)				
OT1	AH26-10001L	TRANS-IF	AM-OSC,200UH(RED)	3-BAND			
OT1	AH26-10001R	TRANS-IF	AM-OSC,290UH(RED)	2-BAND			
OT1	AH26-10001U	TRANS-IF	SW-OSC,2.5UH(GRN)	3-BAND			
OT2	AH26-10001W	TRANS-IF	LW,720UH(BLK)				
IT1	AH26-10002T	TRANS-IF	AM,7.5*7.5,BLUK(WHT)				
FERRITE-ANT	AH27-70001K	COIL-FERRITE ANT	FE-C,285UH,100MM/WL	MWISW ANT			
FERRITE-ANT	AH27-70001D	COIL-FERRITE ANT	FE-C570UH,60MM/WIMW	2-BAND			
FERRITE-ANT	AH27-70001Q	COIL-FERRITE ANT	FE-C280UH,60MM/WIMW	3-BAND(SW)			
FL2	AH27-80001M	BOBIN-COIL	0.29UH 1 1/2T				
FL2	AH27-90032E	SPRING-COIL	4.5T R8P 4D	OIRT-BAND			
FL1	AH27-90001V	SPRING-COIL	4T R8P 4D N-ADJ				
WCW2	AH27-90032C	SPRING-COIL	6T R8P 4D N-ADJ	OIRT-BAND			
MAIN	AH39-20561P	LEAD CONNECTOR	-.529S,PHR,6P,150MM				
W1	AH62-30130A	HEAT SINK	-.ALS,-T1.0,-,POWER				
CD	AH62-30131A	HEAT-SINK	ETHD,T0.5,CD,RCDC380				
UQ901	0502-000303	TR-POWER	KSD882,NPNA,1W				
WIC51	0904-001159	IC-DSP	9286,8BIT,QFP,80P,-1M				
WIC71	1003-000179	IC-MOTOR DRIVER	KA9258D,SOP,28P,-SING				
AIC601	1201-001344	IC-POWER AMP	LA4600				
JIC301	1201-001345	IC-PRE AMP	BA3313L,ZIP,12P,16.8MI				
FIC1	1204-000388	IC-TUNER	KA22901,DIP,24P,300MIL				
WIC1	1204-001286	IC-ASP	KB9223,QFP,80P,-PLAST				
FD3	12169-501-160	DIODE-AFC	K33002				
QVR501	2101-001044	VR-ROTARY	50K8*2,F-166K(L,23.5 F				
OC2	2302-000227	C-FILM,PSF	180PF,50%,50V,LW	OPTION			
OC1	2302-000229	C-FILM,PSF	270PF,5%,50V,5.5*11.5	OPTION			
OC1	2302-000226	C-FILM,PSF	1.5NF,50%,50V,5.5*11.5	OPTION			
RC705	2401-001052	C-AL	3300uF,20%,25V,GP,16*3				
OC74	2502-000127	C-CERAMIC TRIMMER	20-4.6pF,+50-0%,100V				
V.C	2502-000177	C-VARICON	L22-22BPT-F4/100V	OPTION			
V.C	2502-000184	C-VARICON	L22-22BPT-F3	2-BAND			
V.C	2502-001032	C-VARICON	L22-22DPT M-F4	OIRT-BAND			
MX1	2802-000158	RESONATOR-CERAMIC	4MHZ,0.5%,TP,10.0x5.0x				
W5X1	2802-000211	RESONATOR-CERAMIC	16.93MHZ,0.5%,TP,10.0x				
ICF5	2802-000213	RESONATOR-CERAMIC	CSB456F18,19KHZ,+38HZ				
ICF3	2903-000105	FILTER-CERAMIC	10.7MS3G/BP,10.7MHZ+2				
ICF4	2903-000109	FILTER-CERAMIC	10.7MG16-ABP,10.7MHZ+				
ICF2	2903-001272	FILTER-CERAMIC	SFU455B/BP,462KHZ+2K,				
KS54,SSW	3403-001074	SWITCH-PUSH	2C-2P (ALL-SHORTING TY				
JSW3	3408-001041	SWITCH-SLIDE	6C-2P(R/P SWITCH)NON-S				
ASW2	3409-000145	SWITCH-LEVER	30V,300MA,6P3TA-SHORT				
FSW1	3409-000152	SWITCH-LEVER	30V,300MA,8P3TA-SHORT	3-BAND			
FSW1	3409-000156	SWITCH-LEVER	30V,500MA,2P2TA-SHORT	2-BAND			
WCW1	3708-001312	CONNECTOR-FPC/FC/P	16P,1MM,NON SHRTING				
WCW3	3711-000724	CONNECTOR-HEADER	BOX,15P,1R,2MM,STR				
RCN701,WCW	3711-000820	CONNECTOR-HEADER	5267-02A 2P ST				
JCN301	3711-001098	CONNECTOR-HERDER	5267-07A 7P ST				
ACN601	3711-003107	CONNECTOR-HEADER	BOX,3P,1R,2.5MM,-BRAS				
AJ601	3722-001311	JACK-PHONE	SJB-3607B PI 7.0MM				
WCW1-1	3809-001113	CABLE-FLAT	30V,80C,120MM,16P,1MM,				
B-B	3811-000123	MONO-WIRE	1007*24,BLK,200MM				
VC3,VC4	3811-000130	WIRE-PVC CU	BCWA,300V/60mm,7/0.16m				
A-A',FRE	3811-000131	WIRE-PVC CU	BCWA,300V/80MM,7/0.16M				
XIC1	AC14-12001G	IC-POS,ADJUST REG	KA78L05Z-TA,T0-92,3P,-				
FT1,TP4	AH61-40022A	STUD-TAP	SPCL1,T0.5,BT2,-,,-				
FD1,FD2,MD1,MD2,XD1	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500m				
XD2, XD3,XD4							
KD401	0402-000127	DIODE-RECTIFIER	1N4002,100V,1A,DO-41				
RZD701	0403-000396	DIODE-ZENER	UZP6,8.8V,6.8V,6.4-7.2V,				
UDZ901	0403-000398	DIODE-ZENER	UZP8,28V,8.2V,7.7-8.7V,				
RQ701	0501-000010	TR-SMALL SIGNAL	KSC1008-YTA,NPN,80V,60				
KQ702	0501-000303	TR-SMALL SIGNAL	KSA733YTA,PNP,-60V,50				
WQ1	0501-000323	TR-SMALL SIGNAL	KSB564-YTA PNP,-30V,2				
KQ431	0501-000394	TR-SMALL SIGNAL	KSC900-LTA,30V,25V,50m				
WQ71	0501-000610	TR-SMALL SIGNAL	KSA928A,PNP,-30V,-30V,				
MQ1	0504-000118	TR-DIGITAL	KSR1003TA,NPN,300MW,22				
IQ1	0504-000121	TR-DIGITAL	KSR1007TA,108M,300MW,2				
IQ2,QQ5,QQ551	0504-000122	TR-DIGITAL	KSR1009TA,300MW,4.7KO				
KR401,KR4,WR14	2001-000008	R					

Location no.	Code no.	Description & Specification	Remarks
MC4	2401-001889	C-AL	100nF,20%,50V,GP,5*11,
XC7	2401-001895	C-AL	100uF,20%,16V,GP,5*11,
AC601,FC6,IC10,IC13	2401-001912	C-AL	1uF,20%,50V,GP,5*11,5m
RC709,UC9,DESIGN,IC6, JC3,JC356,QC503			
WC3, WC6,XC2L,XC2R,XCSL	2401-001954	C-AL	4.7uF,20%,50V,GP,5*11
XCSR,XC6			
JC308,WC5,WC9	2401-001968	C-AL	470nF,20%,50V,GP,5*11,
MC3, WC1	2401-001990	C-AL	10uF,20%,25V,8P,5*11,5
MC2	2401-002183	C-AL	220uF,20%,16V,GP,10*9,
ACH1,ACH	2701-000111	INDUCTOR-AXIAL	100uH,10%,2.5x3.4,LAL0
WL1, XL1,XL3L,XL3R	2701-000178	INDUCTOR-AXIAL	33uH,10%,2.8x7mm,BAL03
WL2, WL4,XL2	3301-000297	CORE-FERRITE BEAD	AA,3.6x1.2x5.7mm,1400,
FBF1,FJ1,FJ15-19, FJ2,FJ22-2	3811-000389	WIRE-NO SHEATH CU	SPCW,300V,52.4mm,1/0.5 16
	AH90-10749M	ASSY-PCB FRONT	RCD380,BAISC
ULC1	AH07-10035J	LCD	-,CH-60881PP,RCD380,7,
	AH39-20001U	LEAD CONNECTOR-ASS	1007#26 2P 150MM
UCW1	AH39-20561M	LEAD-CONNECTOR-ASS	-,51004,35023,15P,20
TO MAIN PC	AH39-50001D	LEAD-FASTEN	1,1007#24,200MM,RED
LCD	AH61-10762A	BRACKET-LCD	-,SPTE,-,TO.3,-,RCD3
UD1, UD2	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500m
USW1-4	3404-000165	SWITCH-TACT	12V,50mA,160gf,SKHV109

ASSY-PCB POWER

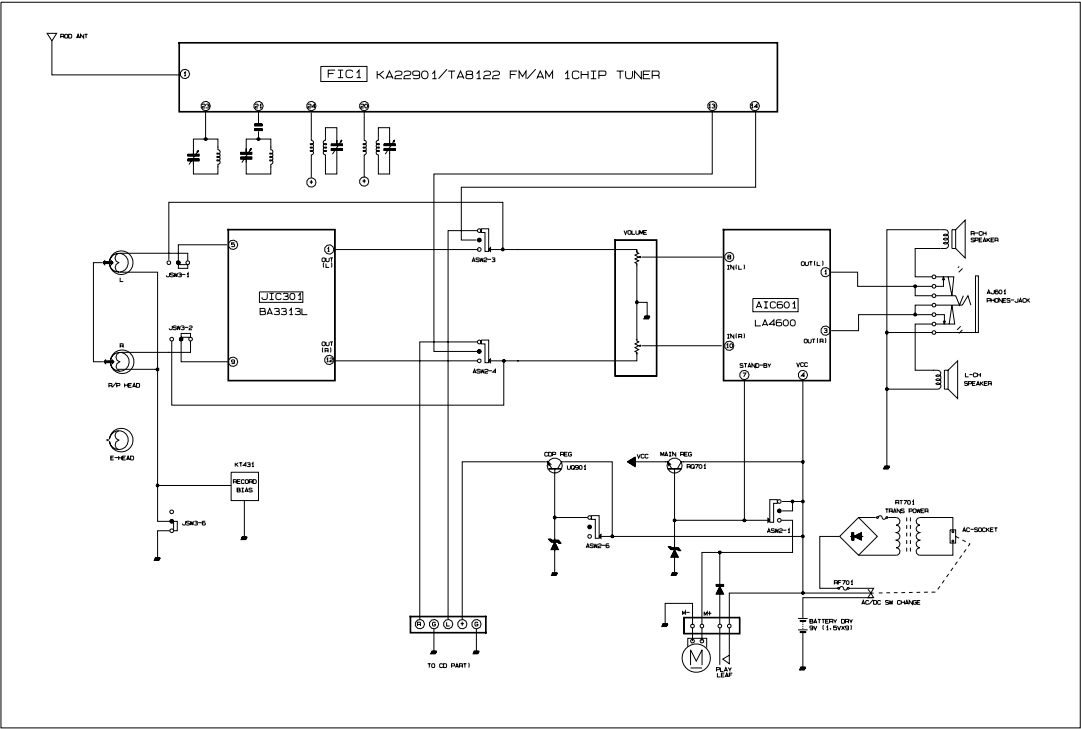
RJ701	AH37-22001L	JACK-AC POWER	16.5MM,KC2106A,5P,BULK	CP2
RJ701	AH37-22001M	JACK-AC POWER	17MM,KC1103,5P,BULK	EP2
RF701	3601-000216	FUSE-FERRULE	250V,2.5A,TIME LAG,GLA	
RCN702	3711-000820	CONNECTOR-HEADER	5267-02A 2P ST	
RD701-704	0402-000127	DIODE-RECTIFIER	1N4002,100V,1A,DO-41	
RC701-704	2201-000381	C-CERAMIC,DISC	22nF,+80%,-20% 50V Y5V	
RF701	3602-000147	FUSE-CLIP	250V,7.5A,30mohm	

RCD380

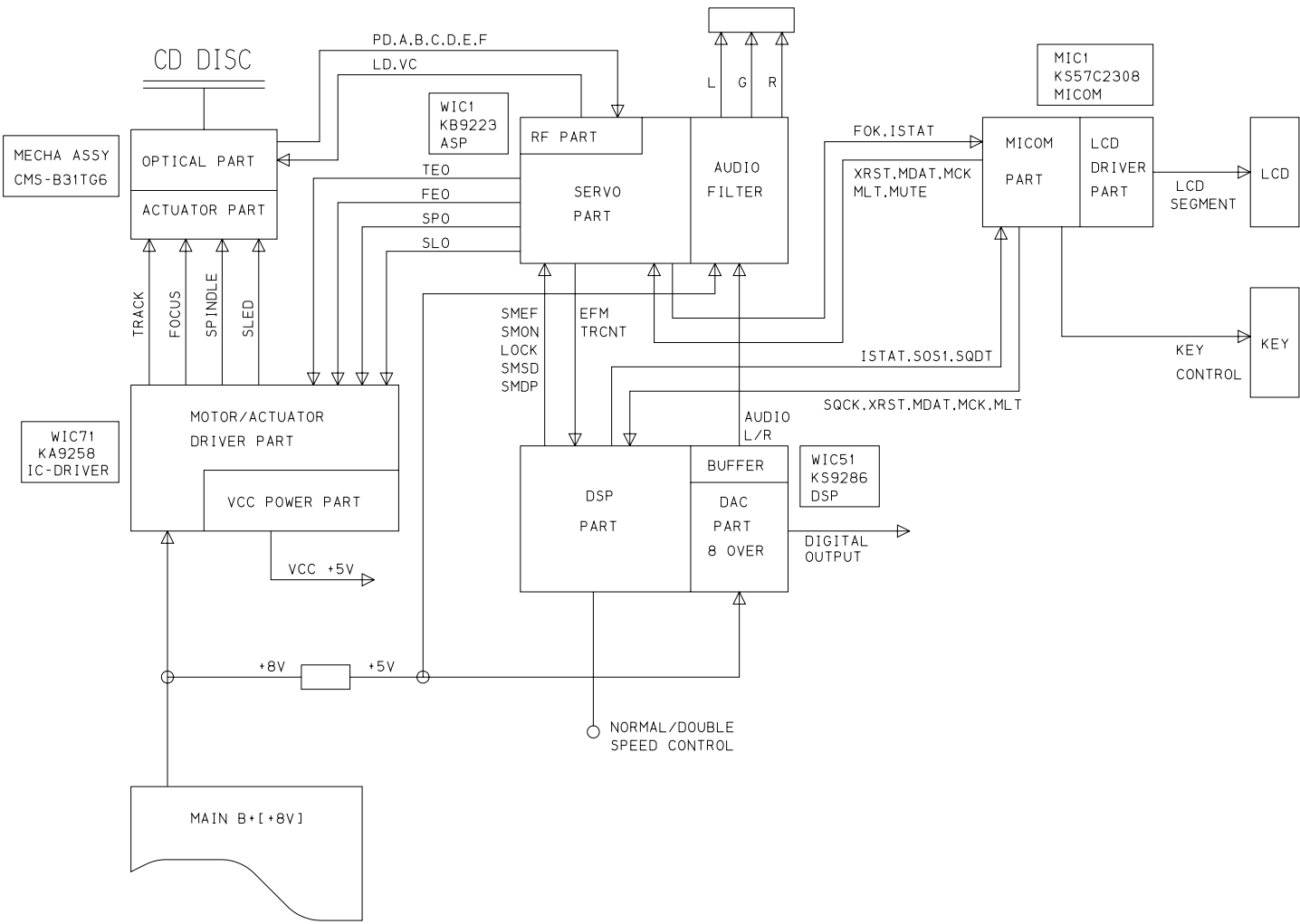
Location no.	Code no.	Description & Specification	Remarks
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4. Block Diagram

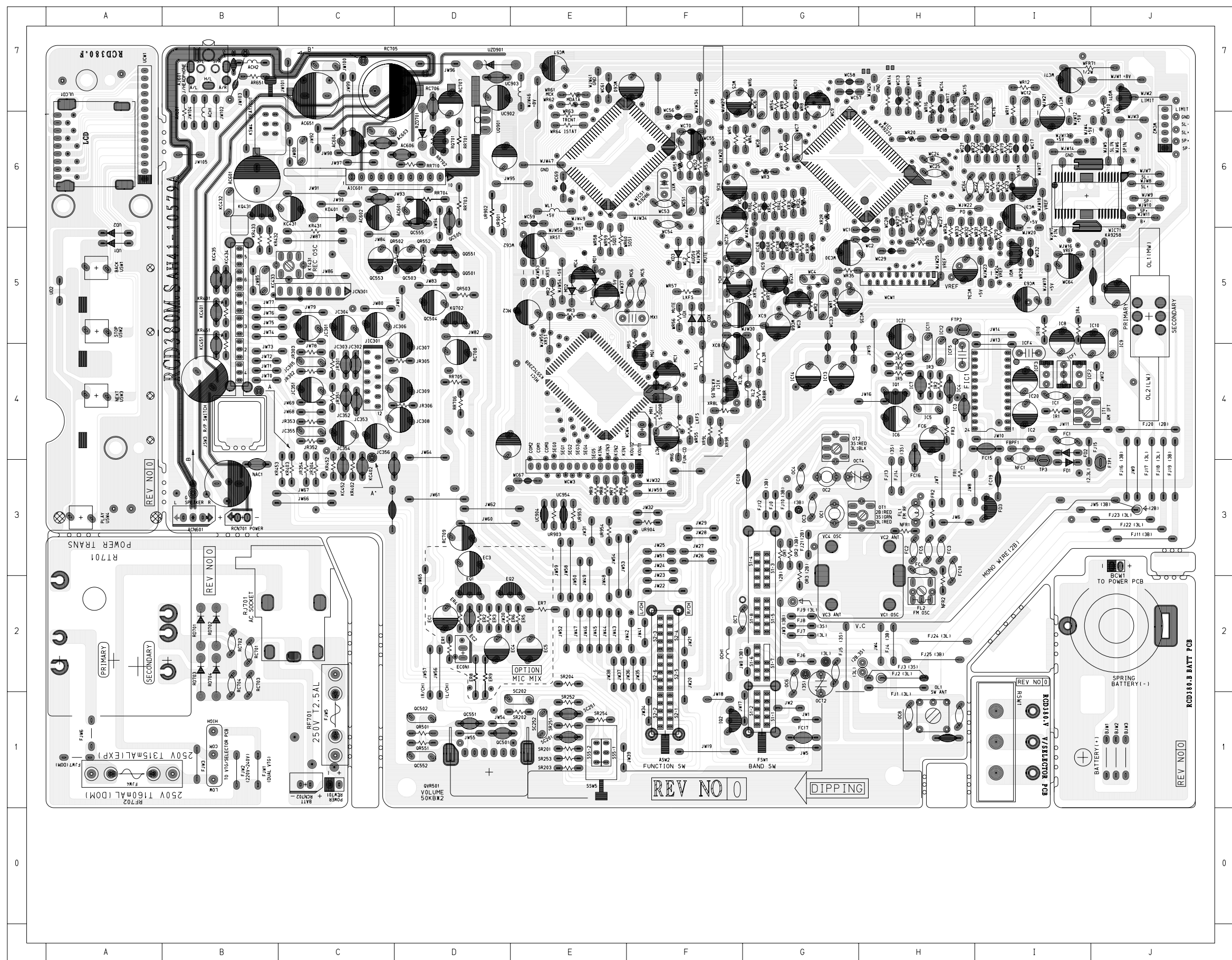
4-1 Main



4-2 CD Part



5. Printed Circuit Board Diagram



*** DIODE ***

- FD1 (I3)
- FD2 (I4)
- KD401 (C6)
- MD1 (E5)
- MD2 (E5)
- RD701 (B2)
- RD702 (B2)
- RD703 (B2)
- RD704 (B2)
- RZD701 (D6)
- UD1 (A5)
- UD2 (A5)
- UZD901 (D7)
- XD1 (F5)
- XD2 (F5)
- XD3 (F5)
- XD4 (F5)

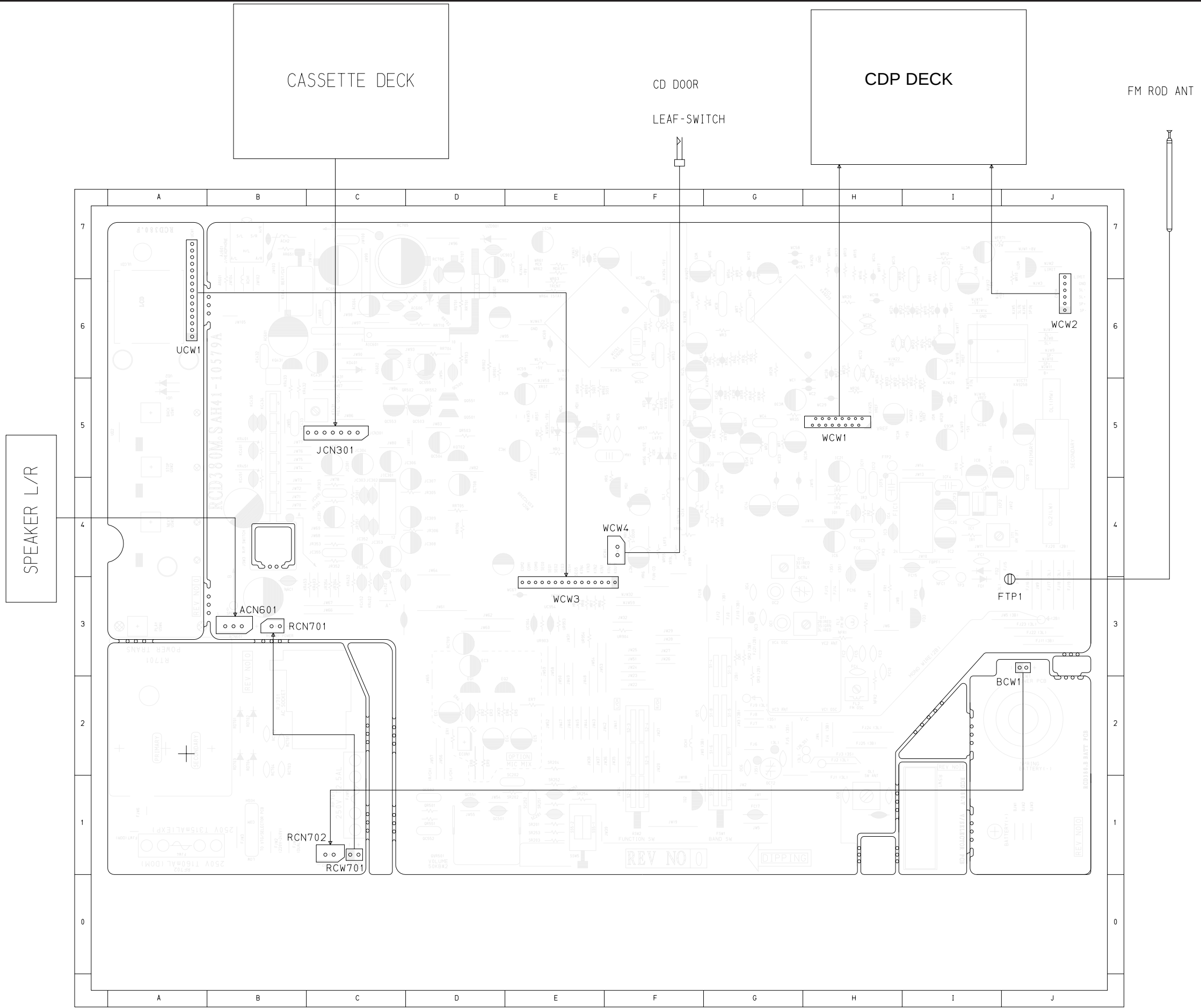
*** TR ***

- EQ1 (D2)
- EQ2 (D2)
- FD3 (I3)
- IQ1 (H4)
- IQ2 (F1)
- KA78L05 (F4)
- KQ431 (B6)
- KQ702 (D5)
- MQ1 (F4)
- QQ501 (D5)
- QQ551 (D5)
- RQ701 (D6)
- WQ1 (I5)
- WQ71 (J7)

*** IC&WAFER ***

- ACN601 (B3)
- BCW1 (J3)
- ECON1 (D2)
- JCN301 (C5)
- OL1 (H1)
- RCN701 (B3)
- RCN702 (C1)
- RCW701 (C1)
- RSW1 (I1)
- UCW1 (A6)
- USW1 (A5)
- USW2 (A5)
- USW3 (A4)
- USW4 (A3)
- WCW2 (J6)
- WCW4 (F4)

6. Wiring Diagram



7. Schematic Diagram

7-1 Main Part

