

Service Manual

MIRCO COMPONENTS SYSTEM WITH CD/MP3

RG-341



DAT H.K. LIMITED

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FM RADIO SPECIFICATION

Temp 21 °C Humidity 85 %
A.C 230V 50Hz D.C 12 V
LOADS 8 ohm Ref.out 50 mW

DATE : 11.05.2003

MODEL:RG-341

SAMPLE:

PAGE 1 OF 6

MEASURING ITEMS	CONDITION	UNIT	NORMAL	LIMIT	DATA	DATA	TEST CONDITION
FREQUENCY RANGE	LOW END	MHZ	87.50	--			
	HIGH END	MHZ	108.00	--			
INTERMEDIATE FREQ		MHZ	10.7	+/-0.1			
MAX.SENSITIVITY	90.1MHZ	dB	16	22			
	98.1MHZ	dB	16	22			
	106.1MHZ	dB	16	22			
-30dB QUIETING SENSITIVITY	90.1MHZ	dB	22	26			
	98.1MHZ	dB	22	26			
	106.1MHZ	dB	22	26			
DIAL CALIBRATION	ALL POINTS	MHZ		<0.5			
IMAGE REJECTION	90.1MHZ	dB	26	20			
	98.1MHZ	dB	26	20			
	106.1MHZ	dB	26	20			
I.F. REJECTION	90.1MHZ	dB	65	55			
SPURIOUS REJECTION	98.1MHZ	dB	55	45			
-3dB LIMITING SENS	98.1MHZ	dB	25	30			
-3dB AFC HOLDING RANGE	98.1MHZ	KHZ	+200/-150	+150/-100			
AM SUPPRESSION	98.1MHZ	dB	40	30			
RF OVERLOAD DIST.	98.1MHZ	%	3	5			100dB 75KHZ DEV
10% DIST. O/P POWER	98.1MHZ	MW	2200	2000			75KHZ DEV
MAX. O/P POWER	98.1MHZ	MW	2600	2200			75KHZ DEV
MAX O/P DIST.(BASS BOOST OFF)	98.1MHZ	%	20	28			75KHZ DEV
-3dB AUDIO FIDELITY	LOW FREQ	HZ	150	200			75uS PRE-EMPHASIS
	HIGH FREQ	HZ	15K	10K			VOL AT 75%POSITION
S/N RATIO	98.1MHZ	dB	45	40			22.5KHZ DEV. 1MV
DIST .AT STANDARD O/P	98.1MHZ	%	1	3			
MODULATION HUM	98.1MHZ	dB	50	40			22.5KHZ DEV. 100dB
AUTO TUNING SEEK SENS	90.1MHZ	dB	22	30			
	98.1MHZ	dB	22	30			
	106.1MHZ	dB	22	30			
AUTO SEEK ACCURACY	98.1MHZ	KHZ	<2				

FM MPX SPECIFICATION

Temp 21 °C Humidity 85 %
A.C 230V 50Hz D.C 12 V
LOADS 8 ohm Ref.out 50 mW

DATE : 11.05.2003
MODEL:RG-341
SAMPLE:
PAGE 2 OF 6

MEASURING ITEMS	CONDITION	UNIT	NORMAL	LIMIT	DATA	DATA	TEST CONDITION
MAX.SENSITIVITY	90.1MHZ	dB	--	--			75KHZ DEV
	98.1MHZ	dB	--	--			
	106.1MHZ	dB	--	--			
-30dB S/N SENS.	90.1MHZ	dB	24	30			
	98.1MHZ	dB	24	30			
	106.1MHZ	dB	24	30			
STEREO SEPARATION. 75KHZ 1KHZ 60dB/M	90.1MHZ	dB	26	20			WITH 19KHZ FILTER
	98.1MHZ	dB	26	20			
	106.1MHZ	dB	26	20			
STEREO LIGHT SENS.	98.1MHZ	dB	22	26			
PILOT SIGNAL REJECTION	98.1MHZ	dB	35	30			75KHZ DEV.1MV
STEREO S/N RATIO	98.1MHZ	dB	--	--			75KHZ DEV.1MV WITH 19KHZ FILTER
DIFFERENCE	98.1MHZ	dB	0	<3			
THD AT STANDARD OUTPUT	98.1MHZ	%	--	--			WITH 19KHZ FILTER
ST-VCO FREQ.TEMP.DRIFT	--	--	--	--			AT 25°C +/-25°C
MIN.PILOT SIGNAL LEVEL		%	--	--			ST.LED START LIGHT UP

REMARK: MOD. DESCRIPTION L+R L-R PILOT
..... 45% 45% 10%

MEMORY BACK UP SPECIFICATION

MEASURING ITEMS	UNIT	NORMAL	LIMIT	DATA	DATA	TEST CONDITION
MEMORY BACKUP CURRENT WITH BATTERY	mA	--	--			DISCONNECT AC POWER
TUNER PRESET STATION BACK UP TIME	MIN	--	--			DISCONNECT AC POWER AND WITHOUT BATTERY

MW RADIO SPECIFICATION

Temp 21 °C Humidity 85 %
A.C 230V 50Hz D.C 12 V
LOADS 8 ohm Ref.out 50 mW

DATE : 11.05.2003

MODEL:RG-341

SAMPLE:

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MEASURING ITEMS	CONDITION	UNIT	NORMAL	LIMIT	DATA	DATA	TEST CONDITION
FREQUENCY RANGE	LOW END	KHZ	522	--			
	HIGH END	KHZ	1620	--			
INTERMEDIATE FREQ		KHZ	465	+/-3			
MAX.SENSITIVITY	612KHZ	dB	50	58			
	999KHZ	dB	50	58			
	1404KHZ	dB	50	58			
-20dB QUIETING SENSITIVITY	612KHZ	dB	58	64			
	999KHZ	dB	58	64			
	1404KHZ	dB	58	64			
DIAL CALIBRATION	ALL POINTS	KHZ		<30			POINTER WITHIN LETTERING
IMAGE REJECTION	612KHZ	dB	50	40			
	999KHZ	dB	50	40			
	1404KHZ	dB	50	40			
I.F. REJECTION	612KHZ	dB	45	40			
-6dB BAND WIDTH	999KHZ	KHZ	5	+3/-2Khz			
ACA +/- 10KHZ	999KHZ	dB	+6/-10	+/-3Khz			
AGC FIGURE OF MERIT	999KHZ	dB	40	35			100dB/M
RF OVERLOAD DIST.	999KHZ	%	3	5			100dB/M 60% MOD
10% DIST. O/P POWER	999KHZ	MW	2200	2000			80% MOD.
MAX. O/P POWER	999KHZ	MW	2600	2200			80% MOD.
MAX. O/P. DIS	999KHZ	%	20	25			80% MOD.
-6dB AUDIO FIDELITY	LOW FREQ	HZ	100	150			
	HIGH FREQ	HZ	3K	2K2			
TWEET AT 1MV/M - 5MV/M	2 IF	%		<10			
	3 IF	%		<10			
S/N WITH 74dB/M	999KHZ	dB	35	30			
DIST. AT STANDARD O/P	999KHZ	%	3	5			
MODULATION HUM 100dB/M	999KHZ	dB	35	30			
MIN. VOL. FEEDTHROUGH NOISE & HUM	MIN. VOL	MV	1	3			
AUTO TUNING SEEK SENS	612KHZ	dB	58	64			
	999KHZ	dB	58	64			
	1404KHZ	dB	58	64			
AUTO SEEK ACCURACY		KHZ	--	--			

CASSETTE PLAYBACK SPECIFICATION

Temp 21 °C Humidity 85 %
A.C 230V 50Hz D.C 12 V
LOADS 8 ohm Ref.out 50 mW

DATE : 11.05.2003

MODEL:RG-341

SAMPLE:

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MEASURING ITEMS	CONDITION	UNIT	NORMAL	LIMIT	DATA	DATA	TEST CONDITION
MAX. OUTPUT POWER		MW	2600	2200			MTT-112BN
10% THD DIST. O/P POWER		MW	2200	2000			MTT-112BN
MAX. O/P DIS(BASS BOOST OFF)	1KHZ. 0dB	%	20	28			MTT-112BN
DIST.AT STANDARD O/P		%	1	3			MTT-118N
TAPE SPEED		%	+2/-1	+3/-2			MTT-111N
WOW &FLUTTER		%	0/-2	0. 35			MTT-111N
L/R CH SEPARATION		dB	35	30			MTT-141N
TRACK CROSS TALK		dB	60	50			. ____ MTT-141N, * W/O
HUM & NOISE	MIX. VOL	MV	1	3			MTT-501
	MAX. VOL	MV	20	60			BASS BOOST OFF
S/N RATIO		dB	35	30			MTT-112BN/MTT-501
WINDING TIME	F . FWD.	SEC		<170			C-60 TYPE
	F . REW.	SEC		<170			
L/R CH. DIFFERENCE		dB	0	<3			MTT-118N
FORWARD /REVERSE DIFF.		dB	--	--			MTT-118N
CASS. TAPE A/B O/P DIFF		dB	--	--			MTT-118N
TORQUE	PLAY	q-cm		35-70			TORQUE METER
	F . FWD.	q-cm		>55			
	F . REW.	q-cm		>55			
FREQ . RESPONSE 1KHZ=0dB							MTT-112BN
	125HZ	dB	0	+/-3			
	1KHZ	dB	0	0			
	6.3KHZ	dB	0	+/-3			
LEVEL BALANCE	FM	dB	0	0			45KHZ DEV. IMV
	AM	dB	0	<3			60% MOD. 74dB/M
	CASS	dB	0	<3			MTT-112BN 0dB
	CD	dB	0	-5/+3			1KHZ -10dB
BASS BOOST EFFECT	125HZ	dB	8	6			BASS BOOST FROM OFF TO ON

REMARK : OTHER SPEC ARE SUB JECT TO CASS. MECHANISM SPECIFY.

CASSETTE RECORDING SPECIFICATION

Temp 21 °C Humidity 85 %
A.C 230V 50Hz D.C 12 V
LOADS 8 ohm Ref.out 50 mW

DATE : 11.05.2003
MODEL:RG-341
SAMPLE:
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MEASURING ITEMS	CONDITION	UNIT	NORMAL	LIMIT	DATA	DATA	TEST CONDITION
R/P MAX. OUTPUT POWER		MW	2800	2200			MTT-112BN/MTT-501
R/P 10% DIST. O/P POWER		MW	2200	2000			MTT-112BN/MTT-501
R/PMAX. O/P DIS	1KHZ. 0dB	%	20	28			
DIST.AT STANDARD O/P		%	4	8			MTT-118N/MTT-501
R/P DIFFERENCE		dB		<3			MTT-118N/MTT-501
R/P SEPARATION		dB	35	28			MTT-114N/MTT-501
R/P CROSS TALK		dB	30	25			. ____ W/O B.P.F
R/P ERASE S/N RATIO		dB	30	20			MTT-112BN/MTT-501
TAPE SPEED AT HI-SPEED		HZ					MTT-111N
R/P CH BALANCE		dB		<3			MTT-118N/MTT-501
HI-SPEED REC. FIDELITY 1KHZ=0dB	125HZ	dB					MTT-257/MTT-501
	6.3KHZ	dB					
MIC RECORDING SENS		dB/V					S.R.L.= -66dBV; MTT-118N
MIC REC.ALC EFFECT		dB					+30dBV OF S.R.L.
REC.LEVEL VS TAPE SAT.	FM:22.5Khz%	dB	0	+/-3			22.5KHZ 1KHZ
	FM:45Khz%	dB	0	+/-3			45KHZ 1KHZ
	CD: -10dB	dB	0	+/-3			-10dB 1KHZ
	CD: -20dB	dB	0	+/-3			-20dB 1KHZ
ALC REC.DISTORTION		%					+30dBV OF S.R.L.
R/P FREQ . RESPONSE: AUX IN	125HZ	dB	2	+/-3			
	1KHZ	dB	2	+/-3			
	6.3KHZ	dB	3	+/-3			

REMARK : OTHER SPEC ARE SUBJECT TO CASS. MECHANISM SPECIFY.

MEASURING ITEMS	CONDITION	UNIT	NORMAL	LIMIT	DATA	DATA	TEST CONDITION
MIC SENSITIVITY	RATED POWER 1800MW	dBV					MAX. VOL/EQ CENTER 1KHZ
MIC OVERLOAD I/P CAPACITY	O/P <5% THD	dBV					EQ CENTER 1KHZ
MIC INPUT IMPEDANCE	K OHM						

CD PLAYING SPECIFICATION

Temp 21 °C Humidity 85 %
A.C 230V 50Hz D.C 12 V
LOADS 8 ohm Ref.out 50 mW

DATE : 11.05.2003

MODEL:RG-341

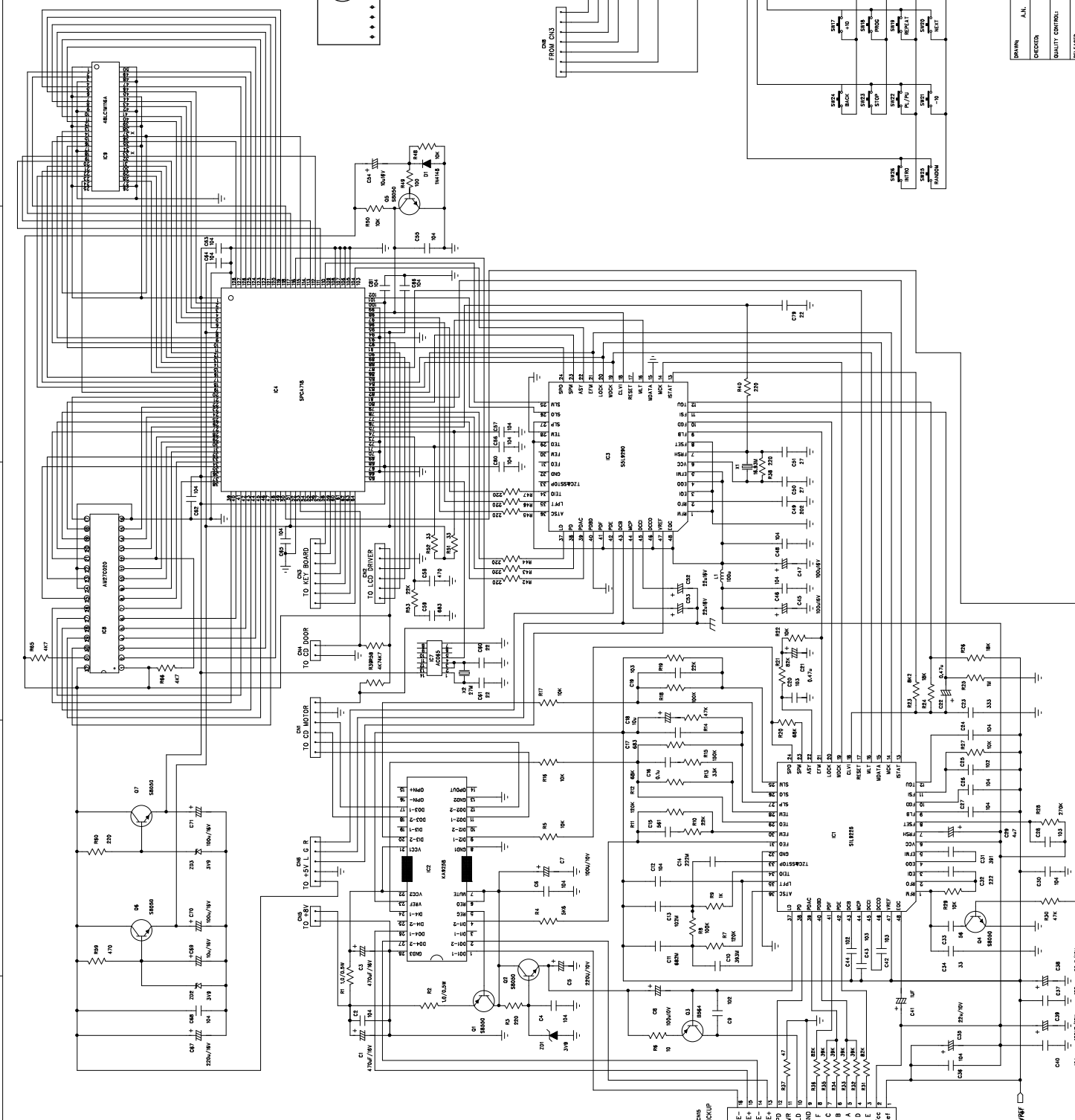
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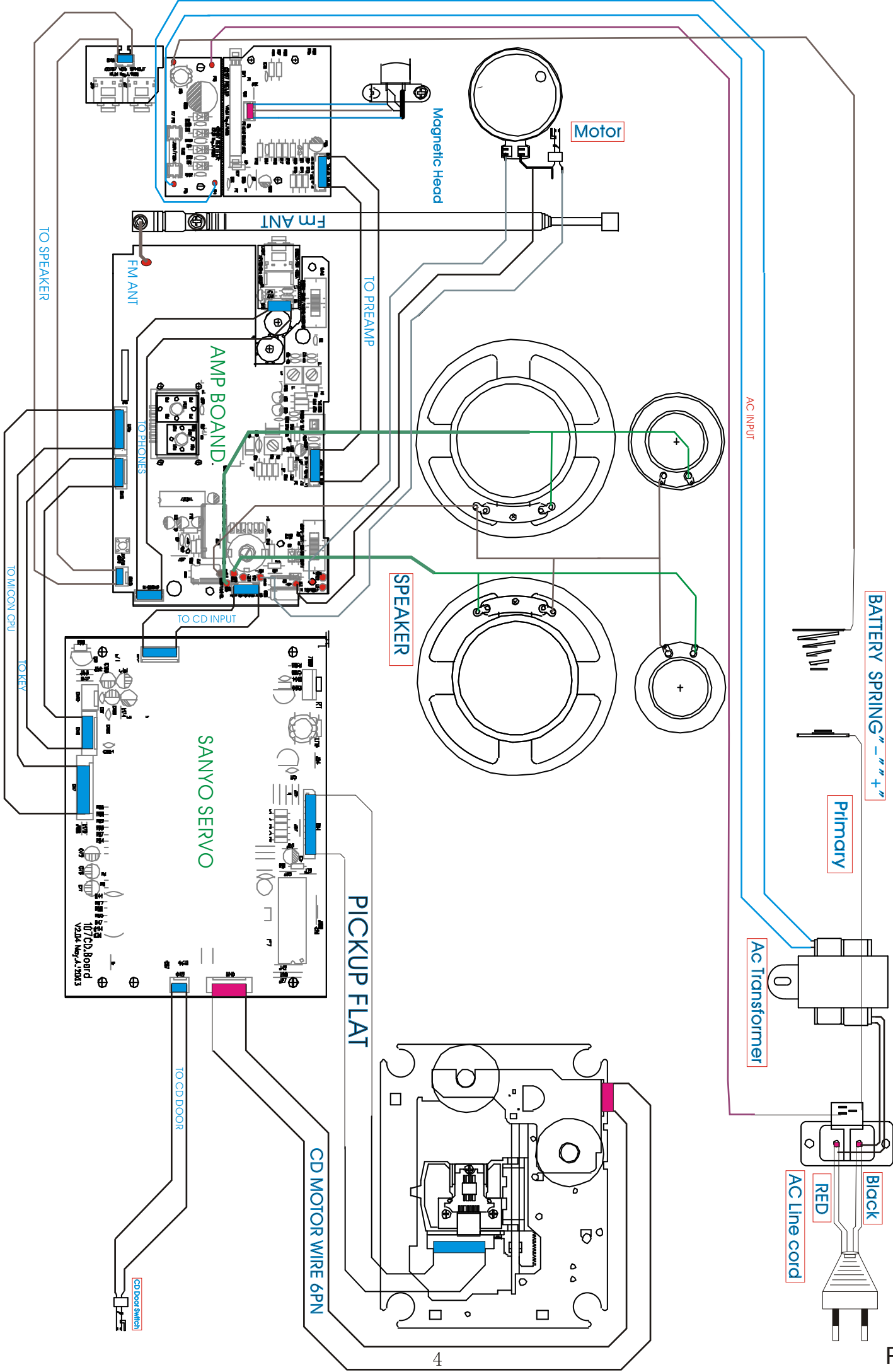
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MEASURING ITEMS		CONDITION	UNIT	NORMAL	LIMIT	DATA	DATA	TEST CONDITION
CD MAX. OUTPUT POWER			MW	3000	2800			SONY YDES-7 1KHZ
CD 10% THD OUTPUT POWER			MW	2500	2200			SONY YDES-7 1KHZ
CD LINE OUT VOLTAGE			V	--				1Khz 0dB TCD-782
MAX. O/P DIS(BASS BOOST .OFF)		1KHZ. 0dB	%	24	28			SONY YDES-7 1KHZ
THD AT STANDARD OUTPUT		1KHZ	%	1	--			TCD-782 W/LOW PASS
SEPARATION		1KHZ	dB	40	35			TCD-782 (SPK O/P)
S/N RATIO		1KHZ	dB		>50			TCD-782 (SPK O/P)
INTERRUPTIONS	SCRATCH		MM	0.8	0.6			PHILIPS 444A/TCD-725B OR
	BLACK DOT		MM	0.8	0.6			ABEX TCD-725B
	FINGERPRINT		MM	ALL	CLEAR			(NO NOISE OUTPUT)
DYNAMIC RANGE			dB		>50			TCD-782 (SPK O/P)
INITIAL. READING TIME			SEC.		<7			TCD-782
ACCESS TIME	FIRST TRACK		SEC.		<5			TCD-782
	LAST TRACK		SEC.		<14			TCD-782
ECCENTRICITY			MM		0.07			TCD-711
VERTICAL DEVIATION			MM		0.8			TCD-732R
HUM & NOISE		MIN. VOL.	MV		<3			TCD-782 TNO.8
		MAX. VOL	MV		<10			BASS BOOST OFF,TONE MAX.
SHOCK ABILITY TCD-782 TNO.1 & 23		CENTER	qm		>100			TENSION GUAGE IMPACT UNIT
		CORNERS	qm		>100			WITHOUT INTERRUPTION
FREQ. RESPONSE: (FM:75KHZ 1KHZ 60dB)		AM80%	dB	0	+/-3			DASS BOOST OFF
		CASS 0dB	dB	0	+/-3			
		CD 1Khz 0dB	dB	+3	+/-2			

REMARK : OTHER SPEC ARE SUBJECT TO CD MECHANISM SPECIFY.

COMPANY: ALPHA ELECTRONICS CO.,LTD.		TITLE: CD/CD-R/CD-RW/MP3 SERVO & DECODER	
DRAWING	A.L.	DATUM	ACQ-03
DESIGNER	DECEMBER	DATUM	
QUALITY CONTROL		DATUM	
RELEASED		DATUM	
CORR:		CORR:	
DATE:		DATE:	
DRAWING NO:		MP3_S001.sch	
REV:		SCALE:	1/1





RG-341

ALIGNMENT PROCEDURES

AM IF. ALIGNMENT

- 1, Set the FUNCTION switch to "RADIO" position.
- 2, Set the BAND switch to "AM" position.
- 3, Connect a SWEEPSCOPE OUTPUT to AM standard radiating loop antenna and match the direction for built-in ferrite bar of AM antenna.
- 4, Connect a SWEEPSCOPE INPUT to pin 13 or 14 of IC1 through a 1uf capacitor and GND.

STEP	SET SIGNAL	SET DIAL	ADJUST	ADJUST FOR
1	465KHz	LOW-END OF BAND	T3(IFT,YELLOW)	CENTER & MAXIMUM OUTPUT

AM RF. ALIGNMENT

- 1, Connect a RF GENERATOR to the standard radiating loop antenna.
- 2, Connect a SCOPE and VTVM across the speaker output

STEP	SET SIGNAL	SET DIAL	ADJUST	ADJUST FOR
1	520KHz	LOW-END OF BAND	T5(AM OSC)	MAXIMUM OUTPUT
2	1650KHz	HIGH-END OF BAND	P.V.C C3	MAXIMUM OUTPUT
3	REPEAT	STEP 1 & 2	TO MAXIMUM	
4	610KHz	NEAR 610KHz	L104 (AM SENS COIL)	MAXIMUM OUTPUT
5	1400KHz	NEAR 1400KHz	P.V.C C4	MAXIMUM OUTPUT
	REPEAT	STEP 4 & 5	TO MAXIMUM	

FM IF. ALIGNMENT

- 1, Set the BAND switch to "FM" position.
- 2, Connect a SWEEPSCOPE OUTPUT to pin 23 of IC1 through a 20pf capacitor and GND.
- 3, Connect a SWEEPSCOPE INPUT to pin 13 or 14 of IC1 through a 1uf capacitor and GND.

STEP	SET SIGNAL	SET DIAL	ADJUST	ADJUST FOR
1	10.7MHz		CF1 (FM DISCRI.,PINK)	WITH 10.7MHz AT ZERO CROSSOVER & MAKE THE "S" CURVE TO FINER.
2	REPEAT	STEP 1 TO	FINEL	

FM RF. ALIGNMENT

- 1, Connect a RF GENERATOR to the terminal of FM telescope antenna and GND.
- 2, Connect a SCOPE and VTVM across the speaker output.

STEP	SET SIGNAL	SET DIAL	ADJUST	ADJUST FOR
1	87.5MHz	LOW-END OF BAND	L1(FM OSC)	MAXIMUM OUTPUT
2	108MHz	HIGH-END OF BAND	P.V.C C2	MAXIMUM OUTPUT
3	REPEAT	STEP 1 & 2	TO MAXIMUM	
4	90.1MHz	NEAR 90.1MHz	L2(FM SENS COIL)	MAXIMUM OUTPUT
5	106.1MHz	NEAR 106.1MHz	P.V.C C1	MAXIMUM OUTPUT
6	REPEAT	STEP 4 & 5	TO MAXIMUM	

CASSETTE PARTS ALIGNMENT

- 1, MOTOR TURNSPEED: Adjust the screw at motor back side to make the output signal near 3KHz while play the 3KHz standard tape. It used frequency meter connected output.
- 2, HEAD AZIMUTH: Adjust the screw of head azimuth to make the 6.3KHz signal to maximum. It play the 6.3KHz standard tape and used VTVM connected output.

PART LIST

DATE:2004-5-29

FM:88~108MHz

AM:540-1600KHz

Model No: RG-341

REF NO: KW-EP-0122(REV:A3)

Item	Part N0	Description	Qty	PURPOSE
1	100-UTC8227-10	IC: UTC 8227	1	IC2
2	100-KA78080-10	KA 7808	1	IC5
3	100-AN73120-10	AN 7312	1	IC4
4	100-SP21110-10	SP 2111	1	IC1
5	100-KA78050-10	KA 7805	1	IC6
6	100-HT1621B-20	IC HT1621B (RESISTOR 22K OHM)	1	
7	215-1262001-01	PVC 126PF/20PF	1	
8	271-K107MMP-10	PCB MAIN (REV:5)94HB (L152.5mmxW90.5mm)C:1.6mm	1	
9	271-K107MPO-10	POWER (REV:2.0)94HB (L79.5mmxW57.5mm)C:1.6mm	1	
10	271-K107MPR-10	PREAMP <94HB> (L63mmxW45mm)C:1.6mm <94HB>	1	
11	271-K107MPJ-10	PHONE (REV:5)(L22mmxW22mm)C:1.6mm <94HB>	1	
12	241-107033S-00	CERAMIC FILTER: 10.7MHz <RED> (3PINS)	1	CF1
13	241-465003S-00	465KHz <三脚>	1	CF2
14	291-120020A-00	AM WIRE: 120:20<3+1> Φ11.5mm L=100mm	1	
15	292-750212C-00	FM COIL: 4.5mm2 ¹ / ₂ T Φ0.75mm	1	L1
16	292-750312C-00	4.5mm3 ¹ / ₂ T Φ0.75mm	2	L2、L3
17	251-0100103-B1	IF AM : <7mm> 100: 10TA	1	T5
18	251-0007009-C0	FM : <7mm> 7T	1	T4
19	251-0150156-B0	AM YELLOW: <7mm> 150:15T	1	T3
20	116-9014C01-00	RESISTORE 9014 C	3	Q1、Q2、Q3
21	116-8050C01-00	8050 C	1	Q6
22	116-B772001-00	B 772 (NEC)	1	Q7
23	112-3V91210-00	ZENER D1DOE 3.9V	1	D8
24	112-6V81210-00	6.8V	1	D11
25	111-IN41481-00	D1DOE IN 4148	4	D4、D5、D6、D7
26	111-IN40011-00	IN 4001	3	D1、D2、D3
27	111-IN53921-00	IN 5392	6	D17 D22 D18 D19 D20 D21
28	273-S718SSS-00	MPEG	1	
29	388-KW89M08-00	MP3 REMOTE CONTROL	1	
30	451-KS60000-00	FUSE HOLDER KS-6	2	FUSE2
31	261-F250012-01	FUSE HOLDER 5x20mm <250V/T2.5AL>	1	FUSE2
32	311-SS43D01-J0	SWITCH FUNCTION SS 43D01 M10<8C>	1	SW15
33	311-SS43D01-J1	BAND SS 43D01 M10	1	SW13

PART LIST

DATE:2004-5-29

FM:88~108MHz

AM:540-1600KHz

Model No: RG-341

REF NO: KW-EP-0122(REV:A3)

Item	Part N0	Description	Qty	PURPOSE
34	311-PS6P2T0-00	RECORD PS-6P2T	1	SW1
35	312-TS1150E-A0	TACH 5mm <TS-1150AB>	7	SW2、SW8、SW10、SW11、 NEXT. REPEAT. PROGRAM
36	311-PS22E06-00	DBBS PS-22E06	1	SW16
37	311-CF32300-00	CD DOOR(LF-323)	1	
38	322-3507SW2-0	HEADPHONE3507-202	1	ACK1
39	322-3503001-A0	3.5 PHONE JACKEJ-3503	2	E1.E10
40	105-1010T15-00	REMOTE IR RECEIVER (5V)	1	
41	245-K107MTA-30	LCD DISPLAY <3个8> L=35MM 11PIN (MP3)	1	
42	113-031904A-00	LED Φ 3mm GREEN L=29MM	1	
43	113-053003B-00	Φ 5mm L=30MM	1	
44	314-K107C20-00	vol. potentiometer: B50K——(R1615G L=20mm)	1	
45	371-0513551-00	ferrite bar 5x13x55mm	1	
46	452-0513251-00	ferrite bracket 5x13x25mm	2	
47	502-1308060-00	choke coil: Φ 12.7mmx7.9mmx6.35mm	1	FM antennax1 (12.7x7.9x6.35)3.T
48	502-1810120-00	ferrite coil: Φ 18mmx10mmx12mm	1	AUDIOx1 (18x10x12) x 2.5T
49	502-1810060-00	ferrite coil: Φ 18mmx10mmx6mm	5	primary transformerx1 8V/5Vx1 KEYx1 DISPLAYx1 SP JACK x1
50	294-15UH023-00	choke coil: 15uH	3	L4、L7、L8
51	294-8UH002B-00	choke coil: 8uH (Φ 5mmx12mm)	3	JMP5、JMP4、R1
52	324-1101001-00	wire cover	2	
53	352-004B201-00	ac cord lock (4B-2)	1	
54	213-U0033HB-1S	CAP:(+/-10%) 332K<0.0033uf> (100V)	2	C61、C62
55		CAP:<50V> (+/-0.5%)		
56	211-0003PF1-1S	3pf	1	C36
57		CAP:<50V> (+/-10%)		
58	211-0020PFB-1S	20PF	1	C40
59	211-0025PFB-1S	25pf	1	C42
60	211-0027PFB-1S	27pf	1	C39
61	211-0030PFB-1S	30pf	3	C37、C38、C41
62	211-0100PFB-1S	100Pf	2	MP3 PCB x2
63	211-0150PFB-1S	150pf	1	C49
64		CAP容:<50V>(+80/-20%)		
65	211-0U001FD-1S	102<0.001uf>	1	C43
66	211-U0022FD-1S	222<0.0022uf>	4	C45、C46、C75、C94
67	211-00U01FD-1S	103<0.01uf>	5	C44 MP3 PCBx4
68	211-0U015FD-1S	153(0.015uf)	2	C58、C59
69	211-0U033FD-1S	333(0.033uf)	4	C52、C89.C16 C17

PART LIST

DATE:2004-5-29

FM:88~108MHz

AM:540-1600KHz

Model No: RG-341

REF NO: KW-EP-0122(REV:A3)

Item	Part N0	Description	Qty	PURPOSE
70	211-00U02FD-1S	203<0.02uf>	10	C51、C91、C56、C57、C69、C70、C71、C72.C50 C28
71		CAP:<25V>(+80/-20%)		
72	211-000U1DD-1S	104<0.1uf>	5	C13. C18 C19 C64 C67
73		ELECT CAP:(+/-10%)		
74	212-00U22FB-1S	0.22uf/50V (Φ5mmx11.5mm)	1	C34
75	212-0001UFB-1S	1uf/50V (Φ5mmx11.5mm)	3	C30、C31、C35
76	212-003U3FB-1S	3.3uf/50V (Φ5mmx11.5mm)	2	C8、C76
77	212-004U7FB-1S	4.7uf/50V (Φ5mmx11.5mm)	6	C83 C104 C20 C27 C23 C15
78	212-0010UDB-1S	10uf/25V (Φ5mmx11.5mm)	3	C53、C93、C29
79	212-0047UCB-1S	47uf/16v (Φ5mmx11.5mm)	5	C21、C22、C11、C12、C14
80		ELECT CAP:(+/-20%)		
81	212-0100UCC-1S	100uf/16v (Φ5mmx11.5mm)	4	C7、C90、C10、C13
82	212-0220UCC-1S	220uf/16v (Φ6mmx12.5mm)	3	C63、C24、C32
83	212-0470UBC-1S	470uf/10v (Φ8mmx12mm)	2	C88、C54
84	212-0470UDC-1S	470uf/25v (Φ8mmx12mm)	1	C87
85	212-1000UBC-1S	1000uf/10v (Φ8mmx13.5mm)	1	C79
86	212-1000UDC-1S	1000uf/25v (Φ10mmx17.5mm)	1	C12
87	212-2200UDC-1S	2200uf/25v (Φ10mmx17.5mm)	1	C10
88		¹ / ₄ W RESISTOR:(+/-5%)		
89	201-0001RCA-11	1 OHM	2	R2、R25
90	201-0010RCA-11	10 OHM	3	R33 BUZZERx2
91	201-0015RCA-11	15 OHM	2	R71、R72
92	201-0047RCA-11	47 OHM	1	R29
93	201-0082RCA-11	82 OHM	1	
94	201-0220RCA-11	220 OHM	2	R3、R4
95	201-0330RCA-11	330 OHM	3	R34、R36 R23
96	201-0820RCA-11	820 OHM	1	R52
97	201-0001KCA-11	1K	6	R13、R14、R18、R19、R30、R30、R73
98	201-001K2CA-11	1.2K	2	R8、R7
99	201-002K2CA-11	2.2K	3	R20、R22、R53
100	201-003K9CA-11	3.9K	1	R21
101	201-004K7CA-11	4.7K	2	R11、R24
102	201-006K8CA-11	6.8K	2	R40、R68、
103	201-007K5CA-11	7.5K	4	R39 R69 R26 R27
104	201-0012KCA-11	12K	2	R48、R66
105	201-0015KCA-11	15K	1	R15

PART LIST

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AM:540-1600KHz

Model No: RG-341

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Item	Part N0	Description	Qty	PURPOSE
106	201-0018KCA-11	18K	2	R44 R43
107	201-0022KCA-11	22K	4	R12、R28、R47、R67
108	201-0039KCA-11	39K	3	R35、R76、R77
109	201-0068KCA-11	68K	2	R9、R10
110	201-0100KCA-11	100K	1	R50
111	201-0001MCA-11	1M OHM	1	R70
112		¹ /8W RESISTOR:(+/-5%)		
113	201-0220RDA-11	220 OHM	2	R41、R42
114	201-002K7DA-11	2.7K	2	R5、R6
115	201-0010KDA-11	10K	2	R16、R17
116	471-0180631-00	SCREW TA/BH 2x6	3	CD MAGNET HOLDERx3
117	471-0200391-00	PST2x3	3	FRONT PANEL BRACKETx3
118	471-0200421-00	TA/PH2x4	1	CD MAGNET HOLDERx1
119	471-0201021-00	TA/PH 2x10	1	CD DOOR SWITCHx1
120	471-0260481-00	MS/KH 2.6x4(Φ4.1mm)	2	PVCx2
121	471-0260561-00	MS/PH 2.6x5	1	PVC GEAR X1
122	471-0260831-00	TA/BH 2.6x8	2	FRONT PANEL x2
123	471-0260811-00	TA/WH 2.6x8	1	CD DOOR LOCKx1
124	471-0261011-00	TA/WH 2.6x10	4	CD DECK
125	471-0300661-00	MS/PH 3x6	2	7808x1 7805x1
126	471-0300811-00	TA/WH 3x8	4	SPx4
127	471-0300821-00	TA/PH 3x8	12	PCBx6 MPEG板x4 CD DOOR LOCKx2
128	471-0301011-00	TA/WH 3x10	3	CASS DOOR HOLDERx1 GEARx1 CD DOOR GEAR HOLDERx1
129	471-0301021-00	TA/PH 3x10	9	CASS DECKx4 POWER PCBx2 POINTER x2
130	471-03012A1-00	PT 3x12	8	
131	471-0301241-00	TA/KH3x12	2	CD BRACKET X 2
132	471-03016A1-00	PT 3x16	4	BOTTON CABINET X 4
133	471-0301611-00	TA/WH 3x16	2	TRANSFORMER X 2
134	501-3016050-00	MAGNET 30x16x5mm	1	
135	423-CD11C09-00	SPRING: CASSETTE DOOR弓 φ 0.9MM	1	
136	422-K107C12-00	CD DOOR φ 1.2MM	1	
137	420-K107C03-00	CD DOOR LOCK	1	
138	491-S101V1A-00	HEAT SINK LARGE HEAT SINK	1	
139	491-KW89C4B-00	8227 HEAT SINK	1	
140	481-0000230-00	EYELET 2x3	10	

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Item	Part N0	Description	Qty	PURPOSE
141	361-5000500-00	WIRE Φ 0.5x50mm	27	
142	351-1830VAA-00	AC CORD	1	
143	401-3508003-60	SPEAKER 8 OHM 3W Φ 45 3.5" (C&T)	2	
144	242-0200200-00	BUZZER Φ 20MM	2	
145	247-K107MCE-00	TRANSFORMER EI 48x24 13V	1	
146	405-2801800-00	SPEAKER CLOTH R (280mmx180mm)	1	
147	405-2801800-01	L (280mmx180mm)	1	
148	301-K107CAS-00	CASSETTE DECK MOTOR 12V STEREO HEADL=30MM	1	
149	302-CMSB31A-00	CD DECK: SAMSUNG CMS-B31 BG6U	1	
150	511-40RD000-00	CD RUBBER RED TY-717<40C>	2	
151	511-30GR000-00	GREEN TY-717<30C>	2	
152	512-K107C00-00	RUBBER FEET Φ 12.5mmx3mm	12	
153	331-0220181-00	HSG(2.0mm) 2PIN	2	CN15 CN2
154	331-0320181-00	3PIN DOUBLE L=300MM Φ 1.8mm	1	CN9
155	331-0720181-00	7PIN	1	CN2
156		HSG(2.0mm)26#		
157	341-K107MBU-A4	2PIN L=220MM	1	POWER WIREx1
158	341-K107MBU-A5	2PIN L=280MM	1	772 CONTROL WIREx1
159	341-K107MBU-A1	2PIN L=160MM	1	CD DOOR SWITCHx1
160	341-K107MCU-A0	3PIN L=380MM	1	SP JACKx1 3.5T
161	348-18302A1-00	ϕ 3.5MM L=1.83M	2	SPx2
162		HSG(2.0mm)		
163	341-K107MGU-A2	HSG 7PIN CABLE L=80MM	1	FRONT PANELx1
164		HSG W/WIRE<2.5MM>26#		
165	341-K107MBU-B1	L=450MM	1	
166	341-K107MBU-B0	L=450MM	1	
167		HSG<2.0MM> 28#		
168	341-K107MFU-A2	6PIN L=350MM	1	DISPLAY PCBx1 3.5T
169		HSG<2.0MM> 28#		
170	341-K107MGU-A3	7PIN 6 L=350MM	1	KEY PCB x1 3.5T
171		WIRE 26#		
172	343-0100DGU-00	100MM GREEN	1	DRIVER PCB X1
173	343-0100D3U-00	100MM RED	1	DRIVER PCB X1
174	343-0100D8U-00	100MM ORANGE	1	DRIVER PCB X1
175	343-0120D3U-00	120MM RED	3	BUZZER x2 CD DECK TO MOTORx1
176	343-0120D2U-00	120MM BLACK	2	BUZZER片x1

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Item	Part N0	Description	Qty	PURPOSE
177	343-0150DGU-00	150MM GREEN	1	MOTOR(+) <x1< td=""></x1<>
178	343-0150D2U-00	150MM BLACK	1	MOTOR(-) <x1< td=""></x1<>
179	343-0050D2U-00	50MM BLACK	2	SHIELD CABLE TO EARTHx1
180	343-0250D8U-00	250MM ORANGE	1	PCB TO MOTORx1
181	343-1800D2U-00	1800MM BLACK	1	FM WIRE x 1 12.7x7.9x6.35)3.T
182		WIRE28#		
183	343-0040E3U-00	40MM RED	1	ST LIGHT X 1
184	343-0040E2U-00	40MM BLACK	2	ST X1 MPEG X 1
185	343-0060E2U-00	60MM BLACK	1	MPEG X 1
186		2 HSG(2.0mm) 28#		
187	342-K107MFU-B0	6PIN L=80MM	1	CD TO CD DECK MOTOR
188		HSG (1.0mm)		
189	345-15016AU-00	16PIN CD HEAD WIRE L=150MM	1	CD HEADx1
190	344-15003AU-00	SHIELD CABLE: 2X L=150MM (3PIN) Φ1.8mm	1	STEREO HEADx1
191		HSG SHIELD CABLE (2.5mm):		
192	341-K107MCU-B1	3PIN DOUBLE L=300MM Φ1.8mm	1	AUDIOx1 (18x10x12) x 2.5T
193	534-1010100-00	10mmx10mmx10mm	2	
194	526-0240000-00	OIL PLATE: Φ2mmx400mm	1	
195	528-0308000-00	NYLON WIRE: 3x80mm	3	
196	528-0312000-00	NYLON WIRE: 3x120mm	5	COIL X 3
197	465-1403016-00	PCB WASHER:14mmx3mmx1.6mm	7	POWER PCBx2 CD DECKx4 GEARx
198	529-1614100-00	GLUE: 16mmx14mmx10mm	1	AM WIREx1
199	529-0807140-00	GLUE: 长8mmx宽7mmx高14mm	1	IR RECEIVERx1
200	521-K107V03-00	PVC(48mmx32mm)	1	STICK SPEAKER JACK WINDOW
201	521-K107C03-01	PVC(19mmx12mm)	1	110/220 WINDOW
202	527-2902000-00	FILTER PAPER <29x20mm>	2	
203	524-K107C03-20	SHIELD CABLE(0.3mm)(50x41mm)	1	
204	621-K107C0L-00	PACKING POLYFOAM L	1	
205	621-K107C0R-00	POLYFOAM R	1	
206	632-70A9005-00	BELT: 70x900mm	1	
207	631-3604403-00	MAIN POLYBAG (360mm×440mm)	1	
208	631-30085A3-00	AC CORD POLYBAG(300mmx85mm)	1	
209	601-K107M00-00	GIFTBOX	1	
210	611-K107M00-00	CARTON BOX	1	
211	651-K107M00-00	INSTRUCTION MANUAL	1	
212	672-K107M00-00	LASER LABEL	1	
213	701-K107M00-00	RATING PVC(54mmx29mm)	1	

PART LIST

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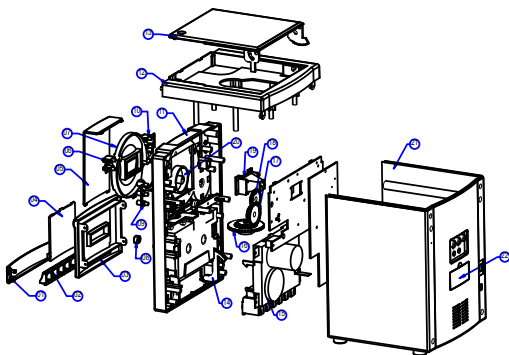
FM:88~108MHz

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Model No: RG-341

REF NO: KW-EP-0122(REV:A3)

Item	Part N0	Description	Qty	PURPOSE
214	681-K107M00-00	CARD	1	
215	671-K107M00-00	CAUTION LABEL	1	
216	779-K107M00-00	S/N LABEL	1	
219	782-K107M00-00	CD DECK LABEL	1	
221	784-K107M00-00	CLASS 1 LABEL	1	



21	BATTERY DOOR
22	BACK CABINET
23	REAR PANEL
24	TOP BRACKET
25	TOP GEAR
26	TOP GEAR
27	TOP GEAR
28	TOP GEAR
29	TOP GEAR
30	TOP GEAR
31	TOP GEAR
32	TOP GEAR

TITLE: EXPLODE VIEW		MODEL NO.: BG-341	PART NO.:
FILE NAME:		DATE:	DATE:
SCALE: 1:1		DATE: 2020/01/15	DATE:
DRAWN: SUNLO		DATE:	DATE:
CHECKED:		DATE:	DATE:
APPROVED:		DATE:	DATE:

A4