

S/M No. :

Service Manual

Microwave Oven

Model: KQG-8B7R5SSC

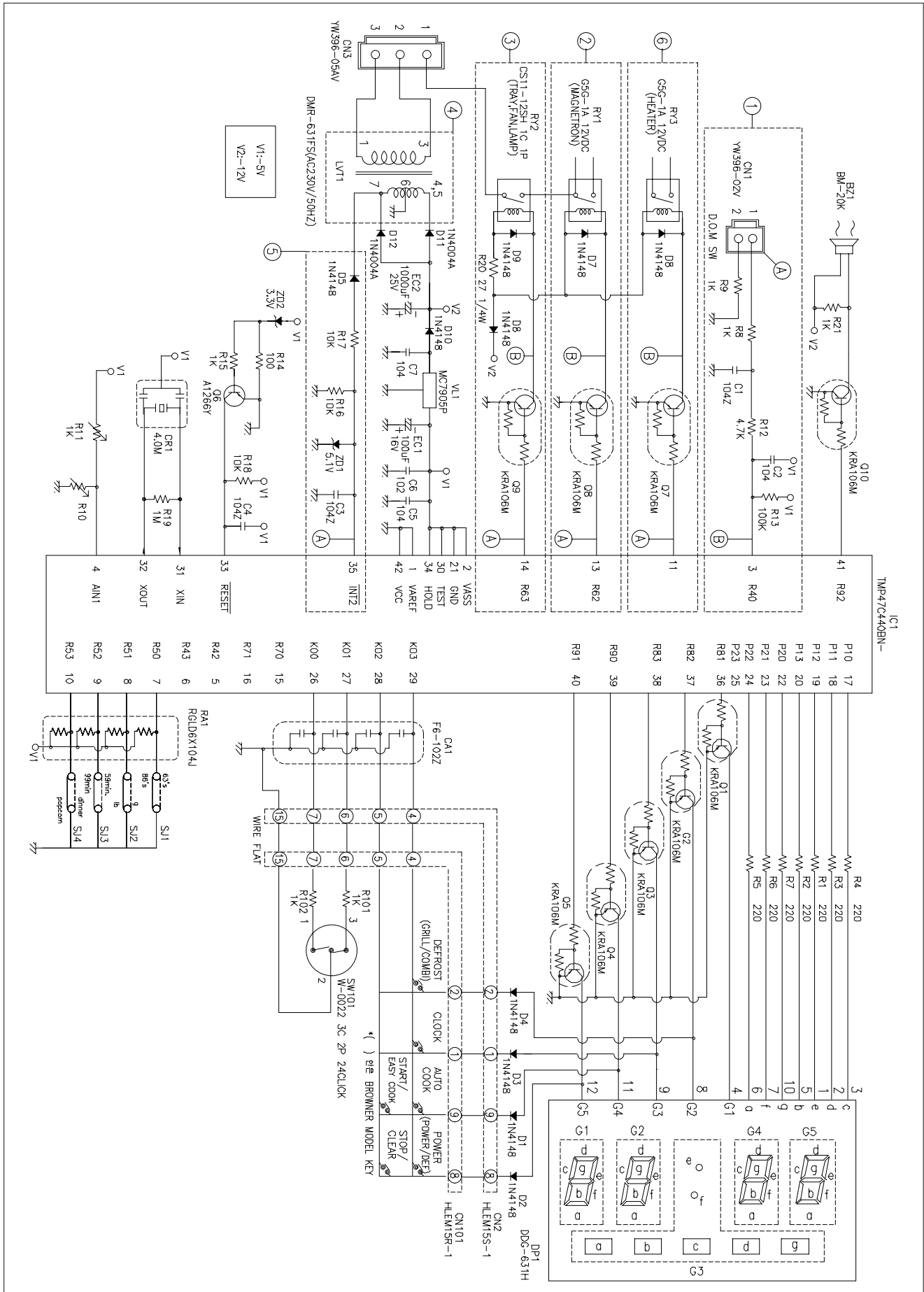
✓ Caution

: In this Manual, some parts can be changed for improving, their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List) in Service Information Center (<http://svc.dwe.co.kr>).

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2. PCB CIRCUIT DIAGRAM



3. P.C.B. LOCATION NO.

NO	NAME	SYMBOL	SPECIFICATION	PART CODE	Q'TY	REMARK
1	PCB MAIN	M174	82 X 139.9	3514324500	1	MAIN PCB
2	BUZZER	BZ1	BM-20K	3515600100	1	
3	C ARRAY	CA1	5P(4) 1000PF M 50V	CN4XB-102M	1	
4	CAPACITOR CERA	C6	102 50V Z AXIAL	CCZB1H102K	1	
5	CAPACITOR CERA	C1~5, C7	104 50V Z AXIAL	CCZF1H104Z	6	
6	CAPACITOR ELEC	EC1	16V RSS 100MF	CEXF1C101V	1	
7	CAPACITOR ELEC	EC2	25V RSS 1000MF	CEXF1E102V	1	
8	CONNECTOR WAFER	CN1	YW396-02V	3519150520	1	
9	CONNECTOR WAFER	CN2	HLEM15S-1	4CW215SBDO	1	
10	CONNECTOR WAFER	CN3	YW396-05AV	3519150510	1	
11	DIODE SWITCHING	D1~10	1N4148	DZN4148---	10	
12	DIODE RECTIFY	D11,12	KN4004A	DZN4004A--	2	
13	DIODE ZENER	ZD1	MTZ- 5.1VB 1/2W	DZTZ5R1B--	1	
14	DIODE ZENER	ZD2	MTZ- 3.9VB 1/2W	DZTZ3R9B--	1	
15	IC MICOM	IC1	TMP47C440BN-3JG4	13GS373V00	1	
16	IC REGULATOR	VL1	MC7905C	1MC7905C--	1	
17	LED DISPLAY	DP1	DDG-631H	DDD631H--	1	
18	R ARRAY	RA1	RGLD4X104J	RA-85X104J	1	
19	R CARBON FILM	R20	1/4W 27 5%	RD-4Z270J-	1	
20	R CARBON FILM	R14	1/6W 100 5%	RD-AZ101J-	1	
21	R CARBON FILM	R1~R7	1/6W 220 5%	RD-AZ221J-	7	
22	R CARBON FILM	R8,9,11,15, 21	1/6W 1K 5%	RD-AZ102J-	5	
23	R CARBON FILM	R12	1/6W 4.7K 5%	RD-AZ472J-	1	
24	R CARBON FILM	R16~18	1/6W 10K 5%	RD-AZ103J-	3	
24	R CARBON FILM	R13	1/6W 100K 5%	RD-AZ104J-	1	
25	R CARBON FILM	R19	1/6W 1M 5%	RD-AZ105J-	1	
26	RESONATOR CERA	CR1	KBR-4.0MKSTF	5PKBR40MKS	1	
27	SW RELAY	RY1, RY3	G5G-1A 1C 1P DC12V	5SC0101121	2	
28	SW RELAY	RY2	CS11-12SH 1C 1P	5SC0101128	1	
29	TRANSISTOR	Q1~5, Q7, Q8~10	KRA-106M	TZRA106M--	9	
30	TRANSISTOR	Q6	KTA-1266Y	TZTA1266Y-	1	
31	TRANS POWER	LVT1	DMR-631FS	5EPV035303	1	
32	WIRE COPPER	J1~4,8,9,11~14,J101,SJ102,104	1/0.52 TIN COATING	85801052GY	3	7.5mm
33	WIRE COPPER	J7, 10	1/0.52 TIN COATING	85801052GY	2	10.0mm
34	WIRE COPPER	J5, 6	1/0.52 TIN COATING	85801052GY	2	12.5mm
35	WIRE FLAT	WF1	15/90 WH C	WSJ-159007	1	
1	PCB SUB	M175	80 X 139.9	3514324600	1	SUB PCB
2	CONNECTOR WAFER	CN101	HLEM15R-1	4CW215RBDO	1	
3	R CARBON FILM	R101, R102	1/6W 1K 5%	RD-AZ102J-	2	
4	SW ROTARY	SW101	SDB161PVB17F123636	5S10109002	1	
5	SW TACT	SW102~SW107	KPT-1115AM	5S50101Z93	6	

EXPLODED VIEW AND PARTS LIST

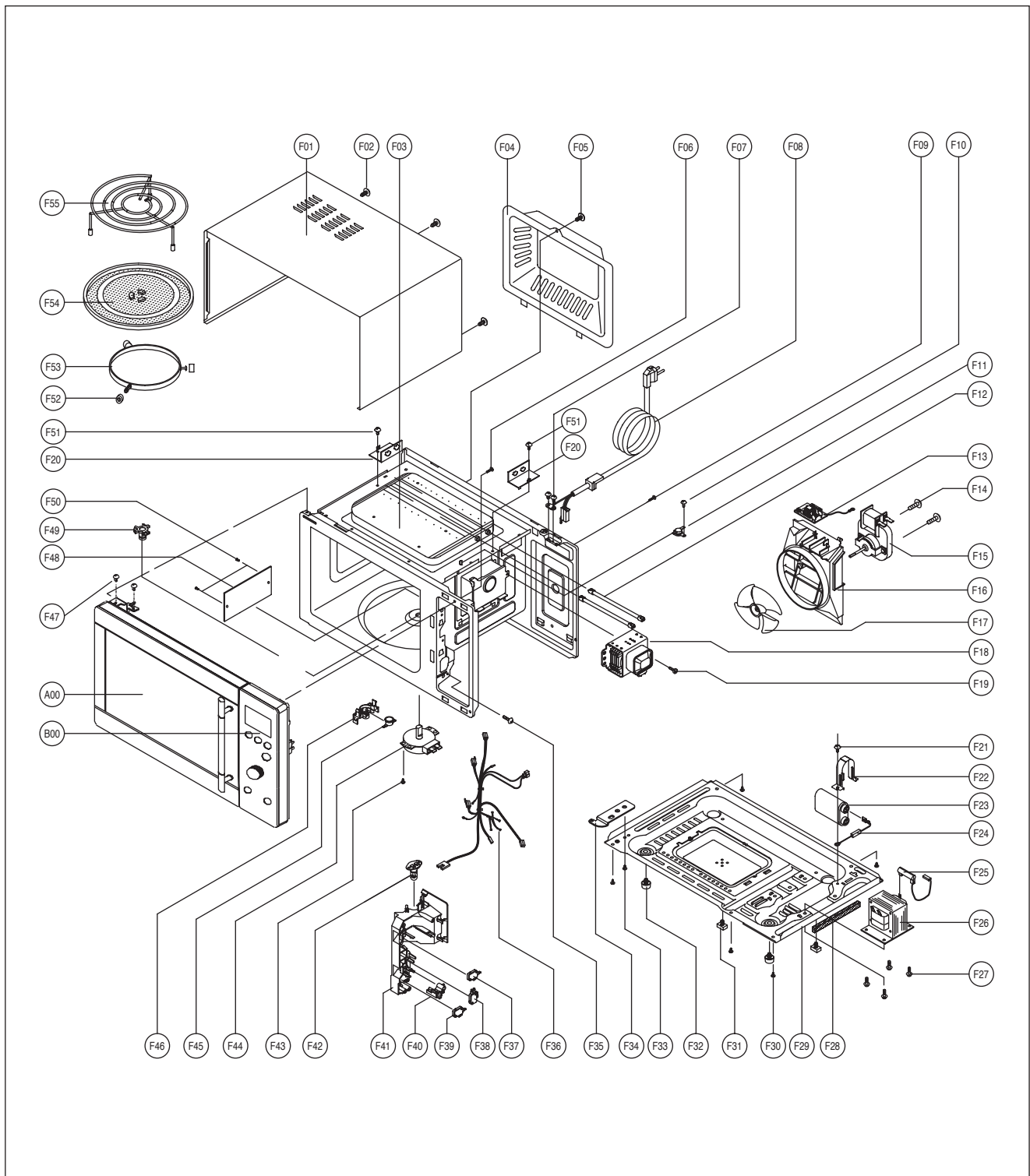
1. DOOR ASSEMBLY

Refer to Disassembly and assembly.

2. CONTROL PANEL ASSEMBLY

Refer to Disassembly and assembly.

3. TOTAL ASSEMBLY



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REF. NO	PART CODE	PART NAME	DESCRIPTION	Q'TY
A00	3511728640	DOOR AS	KQG-8B7R5W42	1
B00	3516738100	CONTROL-PANEL AS	KOG-637R5S42	1
F01	3510805340	CABINET AS	KQG-8A4R5S42S LOUVER	1
F02	7112401011	SCREW TAPPING	T1 TRS 4*10 MFZN	3
F03	3516121500	CAVITY AS	KQG-8B5R5S64	1
F04	3511413700	COVER REAR	SBHG T0.4	1
F05	7112401011	SCREW TAPPING	T1 TRS 4*10 MFZN	1
F06	7122401211	SCREW TAPPING	T2S TRS 4X12 MFZN	1
F07	7112401011	SCREW TAPPING	T1 TRS 4*10 MFZN	2
F08	35113A5QJ5	CORD POWER AS	3X1.5 80X80 120-RTML	1
F09	7122401211	SCREW TAPPING	T2S TRS 4X12 MFZN	1
F10	7121300611	SCREW TAPPING	T2S PAN 3X6 MFZN	1
F11	3518906210	THERMOSTAT	OFF:70 ON:60 H #187	1
F12	3512807330	HEATER QUARTZ	115V 500W 240mm B WADEN	2
F13	3518606100	NOISE FILTER	DWLF-M13	1
F14	7121402511	SCREW TAPPING	T2S PAN 4X25 MFZN	2
F15	3963514400	MOTOR SHADED POLE	230V 50HZ OEM-10DWC2-A07 (A)	1
F16	3512517000	GUIDE WIND	PP	1
F17	3511800300	FAN	PP+30%GLASS	1
F18	3518003700	MAGNETRON	2M218JFL 6CF	1
F19	3516004000	SPECIAL SCREW	T2 BOLT FLANGE 5X12 DACRO	1
F20	3510610900	BRACKET HEATER	SECC T0.5	2
F21	7272400811	SCREW TAPTITE	TT3 TRS 4X8 MFZN	1
F22	3513003200	HOLDER HV CAPACITOR	SECC T0.6	1
F23	3518302201	CAPACITOR HV	2100VAC 0.98UF #187 75MM	1
F24	3518400900	DIODE HV AS	HVR-1X-30B #187	1
F25	3518701100	FUSE HV	5KV 0.55A HV-41A55-02	1
F26	3518122310	TRANS HV	R1S58B (LA00)	1
F27	3516003700	SPECIAL SCREW	TT3 HEX 4X8 FLG MFZN	4
F28	3517304310	FOAM	CR 10TX180X15	1
F29	3510311700	BASE	SBHG T6.0	1
F30	7112401011	SCREW TAPPING	T1 TRS 4*10 MFZN	5
F31	3512101900	FOOT *B	PP	2
F32	3512102000	FOOT *F	PP	2
F33	7272400811	SCREW TAPTITE	TT3 TRS 4X8 MFZN	1
F34	3515201101	STOPPER HINGE *U	SCP-1 T2.5	1
F35	7122401211	SCREW TAPPING	T2S TRS 4X12 MFZN	1

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REF. NO	PART CODE	PART NAME	DESCRIPTION	Q'TY
F36	3512767950	HARNESS MAIN	KOG-8A0R5S	1
F37	4415A17352	SW MICRO	VP-533A-OF SPNO #187 200G	1
F38	4415A66910	SW MICRO	VP-531A-OF/SZM-V16-FA-61	1
F39	4415A17352	SW MICRO	VP-533A-OF SPNO #187 200G	1
F40	3513702620	LEVER LOCK	POM	1
F41	3513811750	LOCK	FH-44N	1
F42	3513601600	LAMP	BL 240V 25W T25 C7A H187	1
F43	7112401011	SCREW TAPPING	T1 TRS 4*10 MFZN	1
F44	3966031600	MOTOR SYNCRO	220/240V 50/60HZ ST-16 MN73MQAD A	1
F45	3518906710	THERMOSTAT	OFF:80 ON:70 H #187 NB	1
F46	3513003410	HOLDER THERMOSTAT	PP(BK)	1
F47	7272400811	SCREW TAPTITE	TT3 TRS 4X8 MFZN	2
F48	3511405100	COVER WAVE GUIDE	MICA T0.5	1
F49	3517400600	COUPLER	XAREC	1
F50	4078502031	BUTTON LOCKING	PP	2
F51	7112401011	SCREW TAPPING	T1 TRS 4*10 MFZN	2
F52	3514700710	ROLLER	TEFLON	3
F53	3512517300	GUIDE ROLLER	PP	1
F54	3517203600	TRAY	GLASS	1
F55	3517206900	TRAY RACK AS	KOG-37150S 110MM	1



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