

DAEWOO

Service Manual Auto Washer

Model : DWF-7089



DAEWOO ELECTRONICS CO., LTD.
OVERSEAS SERVICE DEPT.

1.SPECIFICATIONS

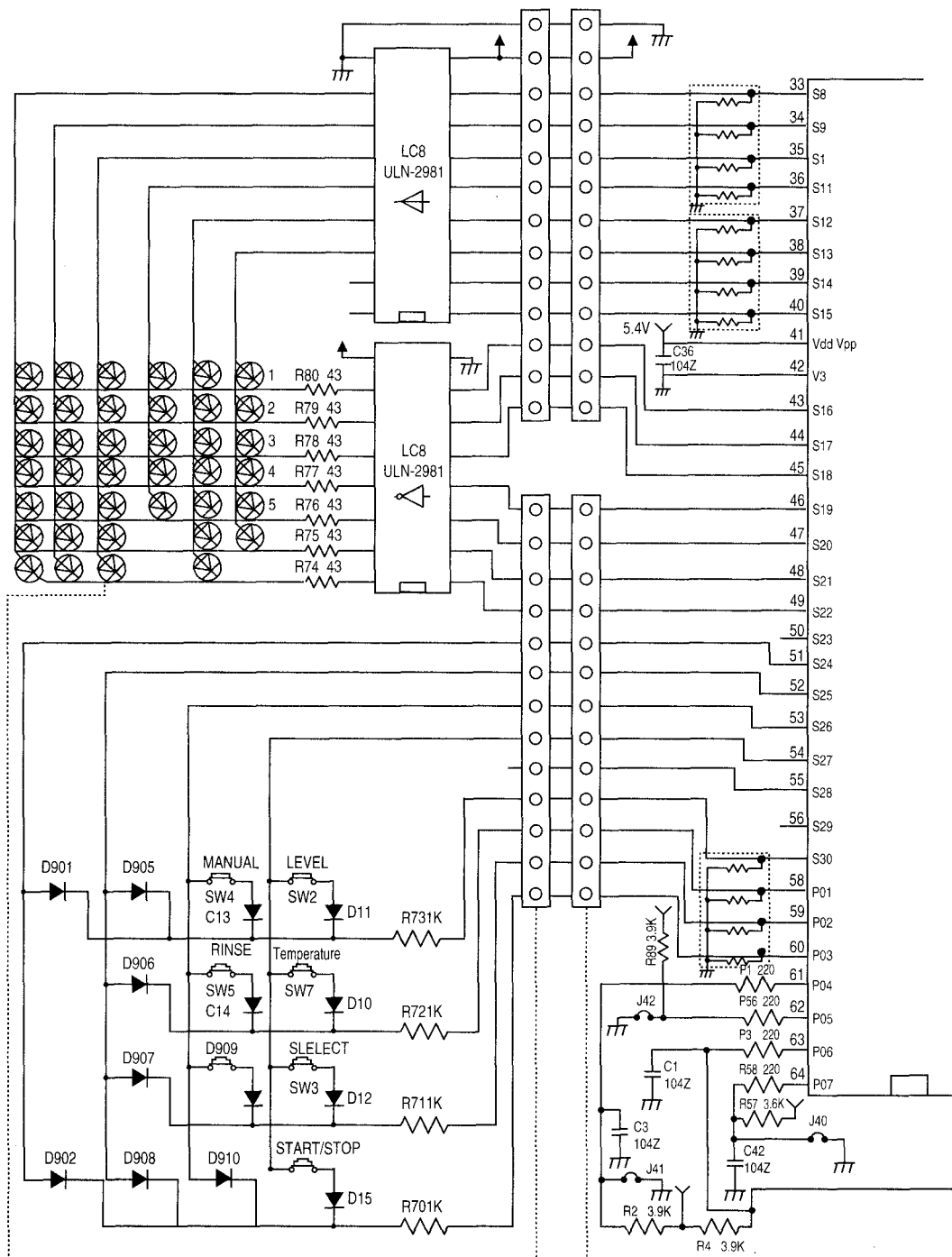
NO.	ITEM	DWF-7089	
1	POWER SOURCE	AVAILABLE IN ALL LOCAL AC VOLTAGE AND CYCLE	
2	POWER CONSUMPTION	INPUT: 460W OUTPUT: 280W (60Hz) INPUT: 400W OUTPUT :210W (50Hz)	
3	MACHINE WEIGHT	44.5Kg (PUMP: 45.5Kg)	
4	DIMENSION (WXHxD)	612 X 951 X 622mm	
5	WASHING COURSE	FULL AUTOMATIC 7 OF COURSE (FUZZY, SUIT, SILK, SOAK, HEAVY, BLANKET, ECO)	
6	WATER CONSUMPTION	NORMAL (155L)	
7	WATER LEVEL SELECTOR	HIGH(64.5L), MEDIUM (54L), LOW(44L), SMALL(30.5L)	
8	OPERATING WATER PRESSURE	0.3kg/cm ² ~8kg/cm ²	
9	REVOLUTION PER MINUTE	SPIN:780r.p.m., WASH:150r.p.m (60Hz) SPIN:700r.p.m., WASH:140r.p.m (50Hz)	
10	PULSATOR	6 WINGS (NEW TYPE)	
11	WATER LEVEL CONTROL	ELECTRONICAL SENSOR	
12	OUTER CABINET	SGCC	
13	GEAR MECHANISM	HELICAL GEAR FOR LOW NOISE	
14	LINT FILTER	O	
15	SOFTER INLET	O	
16	FUNCTION FOR SOAK WASH	O	
17	ALARM SIGNAL	O	
18	RESIDUAL TIME DISPLAY	O	
19	AUTO. WATER SUPPLY	O	
20	NEW WATER FLOW	WATER FLOW FOR ADJUST THE UNBALANCED LOAD	
21	FUNCTION FOR BUBBLE	O	

- The element which has an effect on data of LOAD SENSOR

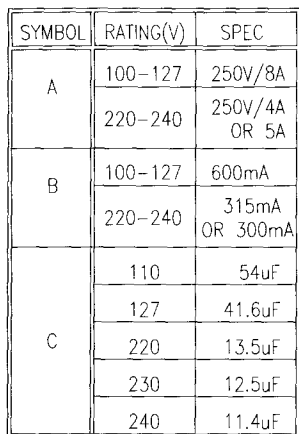
CONDITION	SPECIFICATION
VOLTAGE	220V AC
CAPACITY OF CONDENSER	13.5 μ F
TENSION OF BELT	450gf

DISPLAY UNIT

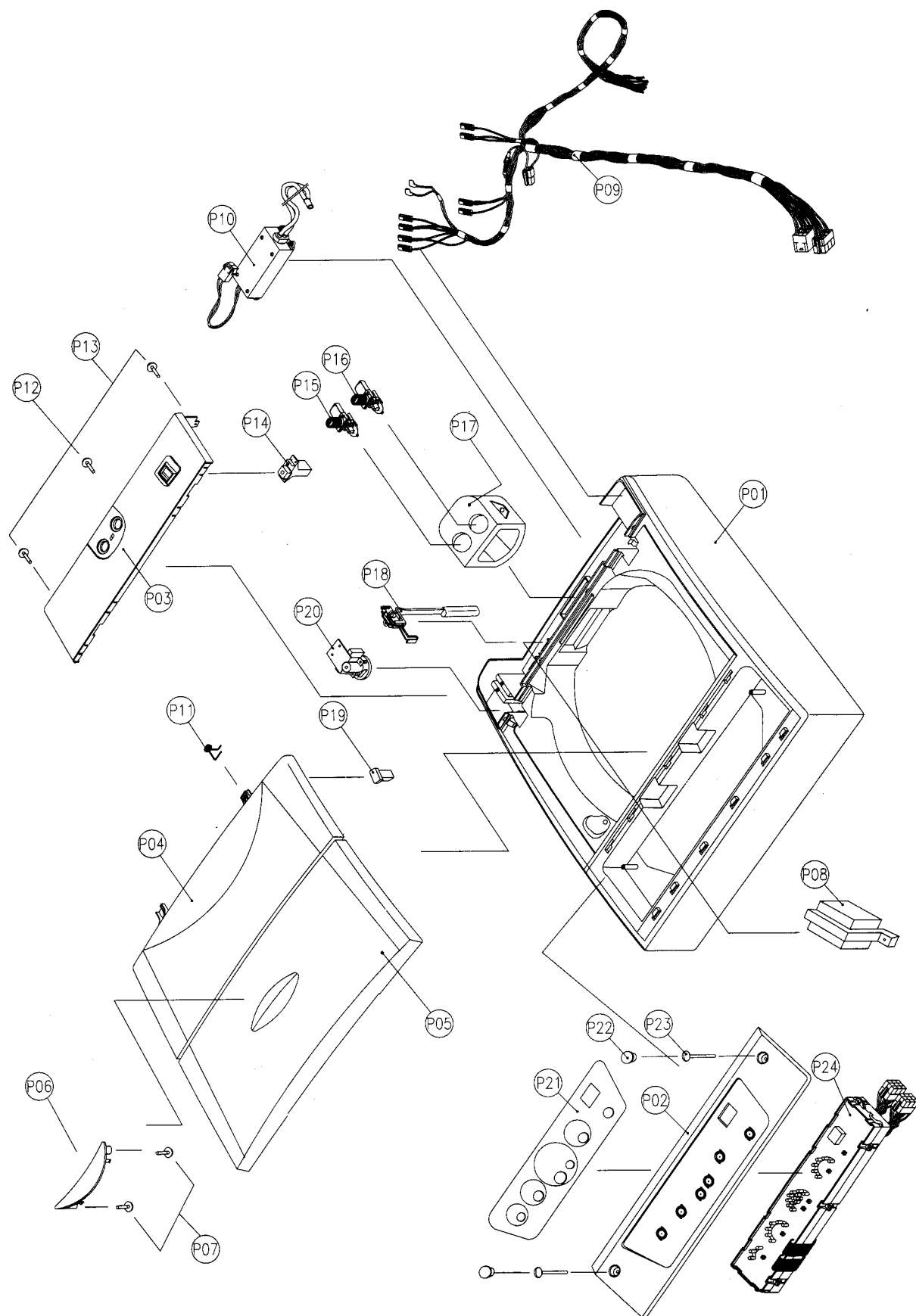
1) CIRCUIT DIAGRAM

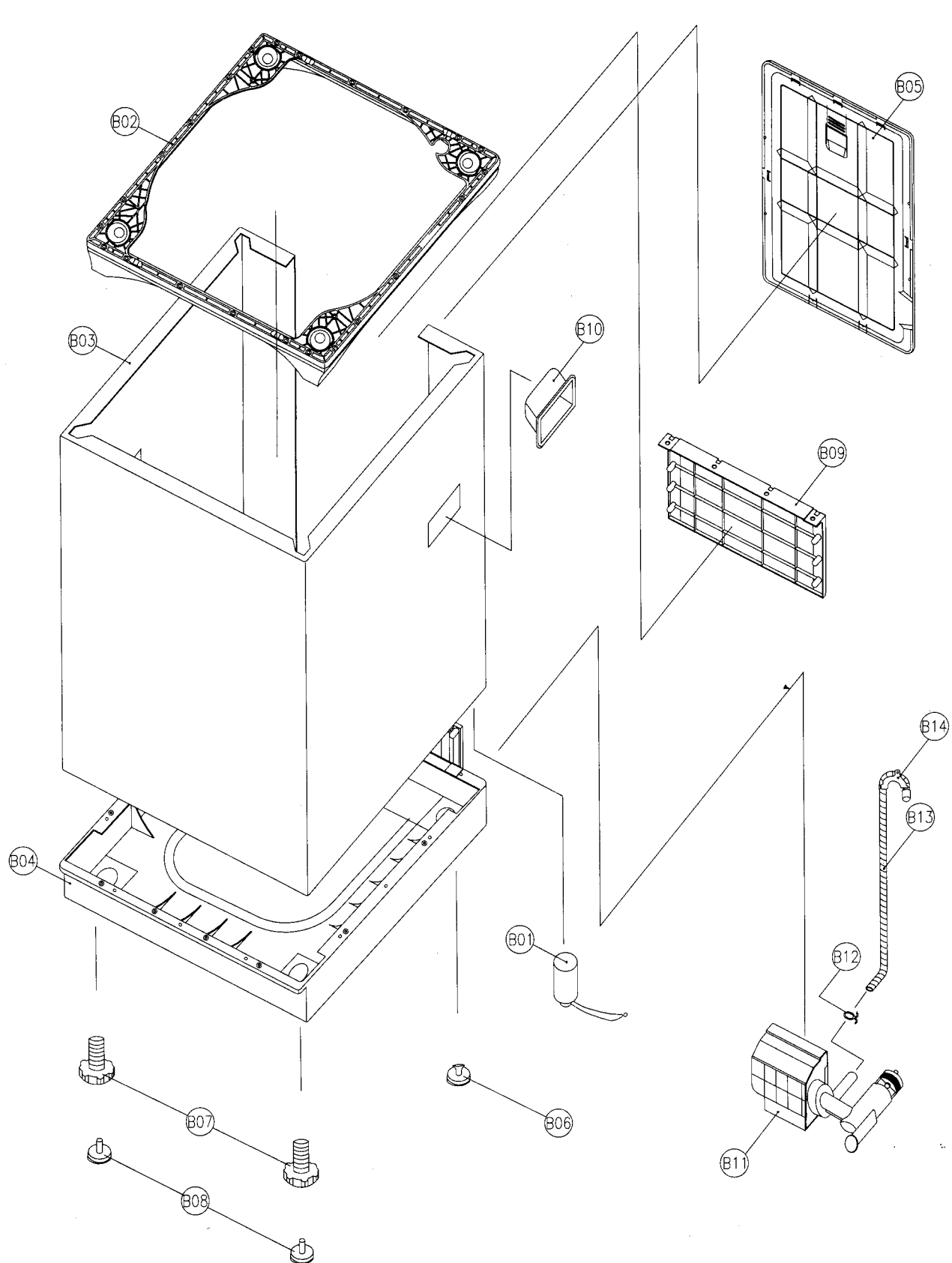


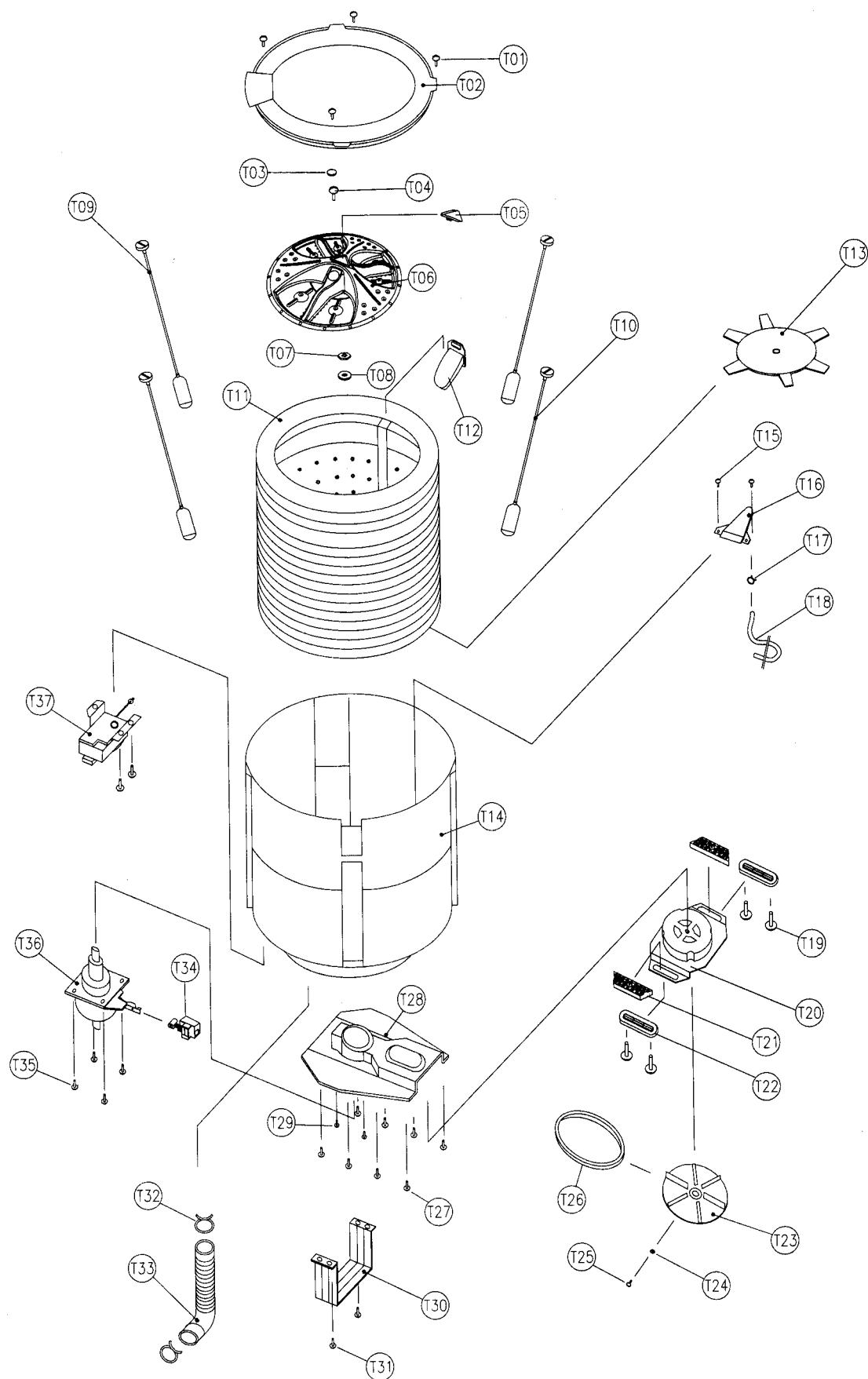
WIRING DIAGRAM (MODEL WITH DRAIN PUMP)



PARTS DIAGRAM (MODEL WITH DRAIN PUMP)







PARTS LIST (MODEL WITH DRAIN PUMP)

NO	PART CODE	PART NAME	DESCRIPTION	Q'TY	REMARK
P1	3614501800	PLATE TOP	ABS	1	
P2	3614215510	PANEL F	ABS	1	
P3	3614215600	PANEL B	ABS	1	
P4	3611714700	DOOR B	ABS	1	
P5	3611714800	DOOR F	ABS	1	
P6	3612602700	HANDLE DOOR	ABS	1	
P7	7121401211	SCREW TAPPING	T2S PAN 4X12 MFZN	2	
P8	5EP1041040	TRANS POWER	AC 110V/60Hz (T6-V1)	1	PT,PS MODEL
	5EP1041030		AC 220-240V/50Hz (T6-V2)	1	PN,PM MODEL
P10	3618918700	ASSY BUBBLE PUMP	AC 100-130V/60Hz	1	PT,PS MODEL
	3618919300		AC 220-240V/50Hz	1	PN,PM MODEL
P11	3615103810	SPRING	SUS 304 D=1.8	1	
P12	7122401411	SCREW TAPPING	T2S TRS 4X14 MFZN	1	
P13	7122401608	SCREW TAPPING	T2S TRS 4X16 SUS	2	
P14	3619002300	SWITCH POWER AS	SOL 110V/60Hz	1	PT,PS MODEL
	3619001601		SOL 220-240V/50Hz	1	PN,PM MODEL
P15	3615403630	VALVE INLET (H)	AC 110-130V/60Hz	1	PT,PS MODEL
	3615403831		AC 220-240V/50Hz, ANG-90	1	PN,PM MODEL
P16	3615403510	VALVE INLET (C)	AC 110-130V/60Hz	1	PT,PS MODEL
	3615403711		AC 220-240V/50Hz, ANG-270	1	PN,PM MODEL
P17	3610400500	BODY INLET	FRPP	1	
P18	3619006381	SWITCH SAFETY AS	SF-030P, CU/T=9, #187	1	
P19	3611521700	CUSHION DOOR	CR	4	
P20	3614801110	SENSOR PRESSURE	D8T	1	
P21	3611609900	DECORATOR PANEL F	PC FILM 0.188T	1	
P22	3610906710	CAP	PP	2	
P23	3616001210	SPECIAL BOLT	T1 TRS 5X83	2	
B1	3610076130	CONDENSER AS	54.0 μ F	1	PT MODEL
	3610076230		41.6 μ F	1	PS MODEL
	3610032630		13.5 μ F	1	PN MODEL
	3610045630		11.4 μ F	1	PM MODEL
B2	3612200100	FRAME TOP	PP	1	
B3	3610805500	CABINET AS	CABINET PAINTING AS	1	
B4	3610303100	BASE UNDER	PP	1	
B5	3611414010	COVER BACK	SGCC	1	



NO	PART CODE	PART NAME	DESCRIPTION	Q'TY	REMARK
B6	3617703000	LEG FIX	SBS	2	
B7	3617702000	LEG ADJUST	PP	2	
B8	3612100310	FOOT	SBR	2	
B9	3614506200	PLATE UPPER	PP	1	
B10	3612600700	HANDLE CABINET	PE-HD	2	
B11	3618957420	UNIT DRAIN PUMP AS	AC 110-127V/60Hz	1	PT,PS MODEL
	3618957540		AC 220V/50Hz	1	PN MODEL
	3618957510		AC 230-240V/50Hz	1	PM MODEL
B12	3611200200	CLAMP B	SW 2.6D	1	
B13	3613218800	HOSE DRAIN O AS	LD-PE/EVA L=1600 PUMP	1	
B14	3612502300	GUIDE DRAIN HOSE	PP(JI-360)	1	
T1	7122401611	SCREW TAPPING	T2S TRS 4X16 MFZN	4	
T2	3611408400	COVER TUB	PP	1	
T3	3610906200	CAP PULSATOR	PP	1	
T4	3616003720	PULSATOR SCREW	6X26.5 SUS	1	
T5	3610906400	CAP	PP (DECORATOR)	1	
T6	3619702910	PULSATOR AS	PULSATOR + INSERT	1	
T7	4507D830080	SPECIAL NUT	SUS 304	1	
T9		SUSPENSION AS A			
	3619800410		DWF-7088(VE)	2	DWF-7089
T10		SUSPENSION AS B			
	3619800510		DWF-7088(VE)	2	DWF-7089
T11		TUB INNER			
	3618803040		SUS	1	DWF-7089
T12	4505E82002	FILTER AS	PE(POLYESTER 90X120)	1	
T13	3617200610	FLANGE TUB	ADC10 6.6-7.0KG	1	
T14	3618802510	TUB O	PP(PUMP)	1	
T18	4500D08210	HOSE	ID=4.0	1	
T19	7650804211	BOLT HEX	6B-1 8X42 MFZN	4	
T20	3964221111	MOTOR CONDENSER	AC 110-127V/60Hz	1	PT,PS MODEL
	3964510411		AC 220-240V/50Hz	1	PN,PM MODEL
T21	3611502700	CUSHION DOWN	POM(8MM)	2	
T23	3618401480	MOTOR PULLEY	M-TYPE DS=10 DP=48.5	1	PT,PS MODEL
	3618401490		M-TYPE DS=10 DP=53.0	1	PN,PM MODEL



NO	PART CODE	PART NAME	DESCRIPTION	Q'TY	REMARK
T24	7392800011	NUT HEX	M8*P1.25 MFZN	1	
T26	3616590210	V BELT	M20	1	
T27	3616007000	SPECIAL SCREW	SCM24H, 6.5*24	12	
T28	3610387400	BASE	SECEN 2.0T	1	
T29	4505E83121	SPECIAL SCREW	SCM24H(L=13.8)	6	
T30	3618301300	GEAR PROTECTOR	SBHG 1.6T	1	
T31	7341601611	SPECIAL SCREW	6B-1 6X16 MFZN	2	
T32	3611201000	CLAMP	HSW3 D2.6 MFZN	2	
T33	3613212100	HOSE DRAIN I	LDPE+EVA L=184	1	
T15	450ED45040	MOTOR SYNCRONOUS	AC 110V/60Hz, ST23	1	PT,PS MODEL
	3966010140		AC 220-240V/50Hz, ST23	1	PN,PM MODEL
T16	3617307410	GEAR MECHANISM	GM-1300-KJ4P0	1	
T17	7341801511	BOLT HEX	6B-1 8X15 MFZN	4	



P.C.B. PARTS LIST

NO	PART CODE	PARTS NAME	DESCRIPTION	REMARK
BUZZER	3615900100	BIZZER	WES27-20P 2KHz	
LR-09	3612703300	HANESS ASSY	LR-089(DWF-8580)	
LR-09	3612703400	HARNESS ASSY	LP-09(PUMP)	PUMP MODEL ONLY
LR-09	3612703400	HANESS ASSY	LP-09(DWF-8580)	
C13	<u>C</u> EXF1A332V	<u>C</u> ELECTRO	<u>PISS 10V 3300MF 13X25</u>	
C18	CMYB2X223J	C MYLAR	<u>AC 250V 0.022ME</u>	
C21	CMYB2X223J	C MYLAR	AC 250V 0.022MF	
C22	CMXB2X103J	C MYLAR	EU 600V 0.01 MF J	
C25	<u>CMXB2X103J</u>	<u>C MYLAR</u>	<u>EU 600V 0.01 MF J</u>	
C27	<u>CMXB2X103J</u>	<u>C MYLAR</u>	<u>EU 600V 0.01 MF J</u>	
C28	<u>CMXB2E683J</u>	<u>C MYLAR</u>	<u>EU 600V 0.068MF J</u>	
C30	<u>CMXB2E 683J</u>	<u>C MYLAR</u>	<u>EU 250V 0.068MF J</u>	
C33	CEXF1 V222V	C ELECTRO	PISS 35V 2200NF 16X31.5	
C34	CEXE1C471A	C ELECTRO	RS 16V 470MF 10X20	
C68	CMXB2X103J	C MYLAR	EU 600V <u>0.01NF H</u>	PUMP MODEL INSERT
D4	<u>D1N5399---</u>	<u>DIODE</u>	<u>1N5399</u>	
FW1	3612703000	HARNESS FLAT	125,13P	<u>CH1-CH3</u>
FW2	<u>3612703000</u>	<u>HARNESS FLAT</u>	<u>125,130</u>	<u>CH2-CH4</u>
IC	<u>12BS860216</u>	<u>IC MICOM</u>	<u>LC866020Y-5C38</u>	
IC2	1TC89101 P-	IC EEPROM	ROM 1 KTOSHIBA	LS DATA SELECT
IC3	1S8054HN--	IC RESET	S-8054HN	
IC4	PTLP521GB-	PHOTO COUPLER	TLP521-GB	
IC5	1L7806---	IC REGULATOR	L7806	
LW	4507D72154	HARNESS	LEAD A 120MM RWF-660T	
RA1	<u>RA-84X473)</u>	<u>R ARRAY</u>	<u>5P(4) 1/8 47K OHM J</u>	
RA2	RA-85X1 03J	R ARRAY	<u>5P(4)1/8 1 0K OHM J</u>	
RA3	RA-85X103)	R ARRAY	5P(4) 1/81 0K OHM J	
RA4	RA-85X1 03J	R ARRAY	5P(4) 1/81 0K OHM J	
RA5	RA-85X1 03J	R ARRAY	5P(4) 1/81 0K OHM J	
RA6	RA-85X103)	R ARRAY	5P(4) 1/81 0K OHM J	
R46	RD-2Y620J-	R CARBON FILM	1/2 62 OHM J	
R51	RD-2Y101J-	R CARBON FILM	1/2100 OHM J	
R52	RD-2Y101J	R CARBON FILM	1/2100 OHM J	
R56	RS01 Y101 J-	R CARBON FILM	<u>1W 100 OHM J</u>	
R57L	RS01Y101J-	RM-OXIDE FILM -	<u>1W 100 OHM J</u>	
R58	RS01Y101J-	R M-OXIDE FILM	1W 100 OHM J	
R59	<u>RS01Y101J-</u>	<u>R M-OXIDE FILM</u>	<u>1W 100 OHM J</u>	
R60	RS01Y101J-	R M-OXIDE FILM	1W 100 OHM J	
R61	RS02Y104J-	R M-OXIDE FILM	2W 100K OHM J	
R62	RS01Y101J-	R M-OXIDE FILM	1W 100 OHM J	
R63	<u>RS01Y101J-</u>	<u>R M-OXIDE FILM</u>	<u>1W 100 OHM J</u>	
R86	<u>RS01Y101J-</u>	<u>R MO-OXIDE FILM</u>	<u>1W 100 OHM J</u>	PUMP MODEL INSERT
TRIAC 1	<u>TSM12J47E</u>	<u>TRIAC TOSHIBA</u>	<u>12A, LEAD FORMING TYPE</u>	
TRIAC 21	<u>TSM12J47E</u>	<u>TRIAC TOSHIBA</u>	<u>12A, LEAD FORMING TYPE</u>	

NO	PART CODE	PARTS NAME	DESCRIPTION	REMARK
TRIAC3	TBCRIAMAB-	TRIAC	BCRIAM FORMING TYPE	
	TBCRIAMAB-	TRIAC	BCRIAM FORMING TYPE	
TRIAC5	TBCRIAMAB-	TRIAC	BCRIAM FORMING TYPE	
TRIAC6	TBCRIAMAB-	TRIAC	BCRIAM FORMING TYPE	
TRIAC7	TSM12JZ47F	TRIAC TOSHIBA	12A, LEAD FORMING TYPE	PUMP MODEL INSERT
TRIAC8	TSM12JZ47F	TRIAC TOSHIBA	12A, LEAD FORMING TYPE	
X-TAL	5PAMX38T--	CRYSTAL QUARTZ	MX-38T(NDK)	
0001	4509D72050	HEAT SINK	REGULATOR, 25X35X20	
0002	3617400300	HEAT SINK	50X50 T=3(DWF-8580)	
0003	3611200300	CLAMP CORD	DALA-1, L=30MM	
0004	3611200400	CLAMP CORD	DALA-2, L=50MM	
12MCR	5PCST12MTW	RESONATOR CERA	CTS 12.00MTW	
C44	CCZFIE103Z	C CERA	25V F 0.01 MF Z(AXIAL)	
C45	CCZFIE103Z	C CERA	25V F 0.01 MF Z(AXIAL)	
C47	CCZFIE103Z	C CERA	25V F 0.01 MF Z(AXIAL)	
C5	CXCHIH180H	C CERA	50V CH 18PF J(TAPPING)	
C6	CXCHIH180H	C CERA	50V CH 18PF J(TAPPING)	
C55	CCZFIE103Z	C CERA	25V F 0.01 MF Z(AXIAL)	
C62	CCZFIE103Z	C CERA	25V F 0.01 MF Z(AXIAL)	
C8	CXEI1C47DA	C ELECTRO	RS 16V 47MF Z(TAPPING)	
C70	CCZFIE103Z	C CERA	25V F 0.01 MF Z(AXIAL)	
C46	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C48	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C49	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C50	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C52	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C53	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C54	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C56	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C57	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C58	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C59	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C60	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C61	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C63	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C64	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C65	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C69	CCKF1 H104Z	C CERA	HIKF 50V 0.1 MF Z AXIAL	
C43	CCZFIE103Z	C CERA	25V F 0.01 MF Z(AXIAL)	
Q1	TZTC3202Y-	TR	KTC3202Y(AUTO) (1959Y)	
Q3	TZTZ1270Y-	TR	KTA1270Y (AUTO) (532Y)	
Q4	TZTA1270Y	TR	KTC1270Y (AUTO 562Y)	
Q8	TZTC3202Y-		KTC3202Y(AUTO) (1959Y)	
Q9	IZTC3202Y-	IR	KTC3202Y (AUTO) (1959Y)	

NO	PART CODE	PARTS NAME	DESCRIPTION	REMARK
Q10	TZTC3202Y-	TR	KTC3202Y(AUTO)(1959Y)	
Q11	TZTC3202Y-	TR	KTC3202Y(AUTO) (1959)	
Q12	TZTC3202Y-	TR	KTC3202Y(AUTO) (1959)	
Q13	TZTC3202Y-	TR	KTC3202Y(AUTO) (1959)	
Q14	TZTC3202Y-	TR	KTC3202Y(AUTO) (1959)	
Q15	TZTC1271Y-	TR	KTA1271Y	
Q16	TZTC3202Y-	TR	KTC3202Y(AUTO) (1959)	
Q17	TZTC3202Y-	TR	KTC3202Y(AUTO) (1959)	
Q18	TZTC3202Y-	TR	KTC3202Y(AUTO) (1959)	
D2	DKN4003A--	DIODOE	KN4003A AUTO 26MM	
D5	DKN4148---	DIODE	KN4148 AUTO 26MM	
D6	DKN4003A--	DIODE	KN4003A AUTO 26MM	
D7	DKN4003A--	DIODE	KN4003A AUTO 26MM	
D8	DKN4003A--	DIODE	KN4003A AUTO 26MM	
D9	DKN4003A--	DIODE	KN4003 AUTO 26MM	
R1	RD-4Z221JK	R CARBON FILM	1/4 220 OHM J	
R2	RD-4Z392JK	R CARBOM FILM	1/4 3.9K OHM J	
R3	RD-4Z221JK	R CARBON FILM	1/4 220 OHM J	
R4	RD-4Z3921 K	R CARBON FILM	1/4 3.9K OHM J	
R5	RD-4Z221JK	R CARBON FILM	1/4 220 OHM J	
R6	RD-4Z102JK	R CARBON FILM	1/4 220 OHM J	
R7	RD-4Z103JK	R CARBON FILM	1/410K OHM J	
R8	RD-4Z621JK	R CARBON FILM	1/4 620 OHM J	
R9	RD-4Z103JK	R CARBON FILM	1/410K OHM J	EEPROM APPLY
R10	RD-4Z103JK	R CARBON FILM	1/410K OHM J	
R11	RD-4Z221JK	R CARBON FILM	1/4 220 OHM J	
LED1	DDL523D--	LEAD LAMP	DLR-523D	
LED2	DDL523D--	LEAD LAMP	DLR-523D	
LED3	DDL523D--	LEAD LAMP	DLR-523D	
LED4	DDL523D--	LEAD LAMP	DLR-523D	
LED5	DDL523D--	LEAD LAMP	DLR-523D	
LED6	DDL523D--	LEAD LAMP	DLR-523D	
LED7	DDL523D--	LEAD LAMP	DLR-523D	
LED8	DDL523D--	LEAD LAMP	DLR-523D	
LED9	DDL523D--	LEAD LAMP	DLR-523D	
LED10	DDL523D--	LEAD LAMP	DLR-523D	
LED11	DDL523D--	LEAD LAMP	DLR-523D	
LED12	DDL523D--	LEAD LAMP	DLR-523D	
LED13	DDL523D--	LEAD LAMP	DLR-523D	
LED14	DDL523D--	LEAD LAMP	DLR-523D	
LED15	DDL523D--	LEAD LAMP	DLR-523D	
LED16	DDL523D--	LEAD LAMP	DLR-523D	
LED17	DDL523D--	LEAD LAMP	DLR-523D	
LED18	DDL523D--	LEAD LAMP	DLR-523D	

NO	PART CODE	PARTS NAME	DESCRIPTION	REMARK
LED 19	DDLR523D--	LEAD LAMP	DLR-523D	
LED 20	DDLR523D--	LEAD LAMP	DLR-523D	
LED21	DDLR523D--	LEAD LAMP	DLR-523D	
LED22	DDLR523D--	LEAD LAMP	DLR-523D	
LED23	DDLR523D--	LEAD LAMP	DLR-523D	
LED24	DDLR523D--	LEAD LAMP	DLR-523D	
LED25	DDLR523D--	LEAD LAMP	DLR-523D	
R12	RD-4Z103JK	R CARBOM FILM	1/4 10K OHM J	
R13	RD-4Z221JK	R CARBOM FILM	1/4 220 OHM J	
R14	RD-4Z221JK	R CARBOM FILM	1/4 220 OHM J	
R15	RD-4Z103JK	R CARBOM FILM	1/410K OHM J	
R17	RD-4Z103JK	R CARBOM FILM	1/4 10K OHM J	
R18	RD-4Z221JK	R CARBOM FILM	1/4 220 OHM J	
R19	RD-4Z221 JK	R CARBOM FILM	1/4 220 OHM J	
R20	RD-4Z103JK	R CARBOM FILM	1/410K OHM J	
R21	RD-4Z1 06JK	R CARBOM FILM	1/410K OHM J	
R22	RD-4Z392JK	R CARBOM FILM	1/4 3.9K OHM J	
R23	RD-4Z392JK	R CARBOM FILM	1/4 3.9K OHM J	
R32	RD-4Z392JK	R CARBOM FILM	1/4 3.9K OHM J	
R33	RD-4Z392JK	R CARBOM FILM	1/4 3.9K OHM J	
934	RD-4Z392JK	R CARBOM FILM	1/4 3.9K OHM J	
R35	RD-4Z392JK	R CARBOM FILM	1/4 3.9K OHM J	
R36	RD-4Z392JK	R CARBOM FILM	1/4 3.9K OHM J	
R37	RD-4Z392JK	R CARBOM FILM	1/4 3.9K OHM J	
R38	RD-4Z392JK	R CARBOM FILM	1/4 3.9K OHM J	
R39	RD-4Z392JK	R CARBOM FILM	1/410K OHM J	
R43	RD-4Z103JK	R CARBOM FILM	1/410K OHM J	
R45	RD-4Z102JK	R CARBOM FILM	1/41 K OHM J	
R47	RD-4Z471JK	R CARBOM FILM	1/4 470K OHM J	
R50	RD-471JK	R CARBOM FILM	1/4 470 OHM J	
R53	RD-4Z103JK	R CARBOM FILM	1/410K OHM J	
R54	RD-4Z392JK	R CARBOM FILM	1/4 3.9KOHM J	
R55	RD-4Z1 03JK	R CARBOM FILM	1/410K OHM J	
R64	RD-4Z1 03JK	R CARBOM FILM	1/410K OHM J	
R82	RD-4Z106JK	R CARBOM FILM	1/410 OHM J	
R84	RD-4Z103JK	R CARBOM FILM	1/410K OHM J	PUMP MODEL INSERT
R87	RD-4Z392JK	R CARBOM FILM	1/4 3.9K OHM J	
R88	RD-4Z221JK	R CORBOM FILM	1/4 220 OHM J	
R89	RD-2Y101J-	R CARBOM FILM	1/2100 OHM J	
R90	RD-2Y101J-	R CARBOM FILM	1/2 100 OHM J	
R94	RD-4Z103JK	R CARBON FILM	1/410K OHM J	
R95	RS01Y101J-	X-Oxide Film	1 W 100 OHM J	
R96	RD-2Y101J-	R CARBON FILM	1/2 100 OHM J	
IC7	1 ULN2004A-	DRIVE IC	ULN2004A	

NO	PART CODE	PARTS NAME	DESCRIPTION	REMARK
IC8	1ULN2004A-	DRIVE IC	ULN2004A	
SW1	5S50101400	SW TACT	SKQBAD (KQD-9021 C 1 P)	
SW2	5S50101400	SW TACT	SKQBAD (KQD-9021 C 1 P)	
SW3	5S50101400	SW TACT	SKQBAD (KQD-9021 C 1 P)	
SW4	5S50101400	SW TACT	SKQBAD (KQD-9021 C 1 P)	
SW5	5S50101400	SW TACT	SKQBAD (KQD-902 1 C 1 P)	
SW6	5S50101400	SW TACT	SKQBAD (KQD-902 1 C 1 P)	
D10	DKN4148---	DIODE	KN4148 AUTO 26MM	
D11	DKN4148---	DIODE	KN4148 AUTO 26MM	
D12	DKN4148---	DIODE	KN4148 AUTO 26MM	
D13	DKN4148---	DIODE	KN4148 AUTO 26MM	
D14	DKN4148---	DIODE	KN4148 AUTO 26MM	
D15	DKN4148---	DIODE	KN4148 AUTO 26MM	
D905	DKN4148---	DIODE	KN4148 AUTO 26MM	
D906	DKN4148---	DIODE	KN4148 AUTO 26MM	
R70	RD-4Z102JK	R CARBON FILM	1/41 K OHM J	
R71	RD-4Z102JK	R CARBON FILM	1/41 K OHM J	
R72	RD-4Z102JK	R CARBON FILM	1/41 K OHM J	
R73	RD-4Z102JK	R CARBON FILM	1/41 K OHM J	
R74	RD-4Z230JK	R CARBON FILM	1/4 43 OHM J	
R75	RD-4Z230JK	R CARBON FILM	1/4 43 OHM J, 26PITCH	
R76	RD-4Z230JK	R CARBON FILM	1/4 43 OHM J, 26PITCH	
R77	RD-4Z230JK	R CARBON FILM	1/4 43 OHM J, 26PITCH	
R78	RD-4Z230JK	R CARBON FILM	1/4 43 OHM J, 26PITCH	
R79	RD-4Z230JK	R CARBON FILM	1/4 43 OHM J, 26PITCH	
R80	RD-4Z230JK	R CARBON FILM	1/4 43 OHM J, 26PITCH	
12P	3613007400	HOLDER LED	ABS 12PIN	
3P	3613007600	HOLDER LED	ABS 3PIN	
6P1	3613007500	HOLDER LED	ABS 6PIN	
6P2	3613007500	HOLDER LED	ABS 6PIN	
88-D	3613003300	DISPLAY	DDR-402 QM	