

MK2 ELECTRONIC MACHINES



H850 MK2

SERVICE MANUAL & SPARE PARTS LIST

WIRING DIAGRAMS

PART TWO OF THREE BOOKS

REVISED ~ APRIL 2004

CLASSIC HOUSE, AIRFIELD INDUSTRIAL ESTATE, HIXON , STAFFORDSHIRE ST18



BLANK

**CLASSIC GLASS & DISHWASHING SYSTEMS LTD
SERVICE MANUAL**

**PARTS LIST &
TECHNICAL INFORMATION**

H850 MK 2 ELECTRONIC



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CLASSIC GLASS & DISHWASHING SYSTEMS LTD SERVICE MANUAL

H850 MK 2

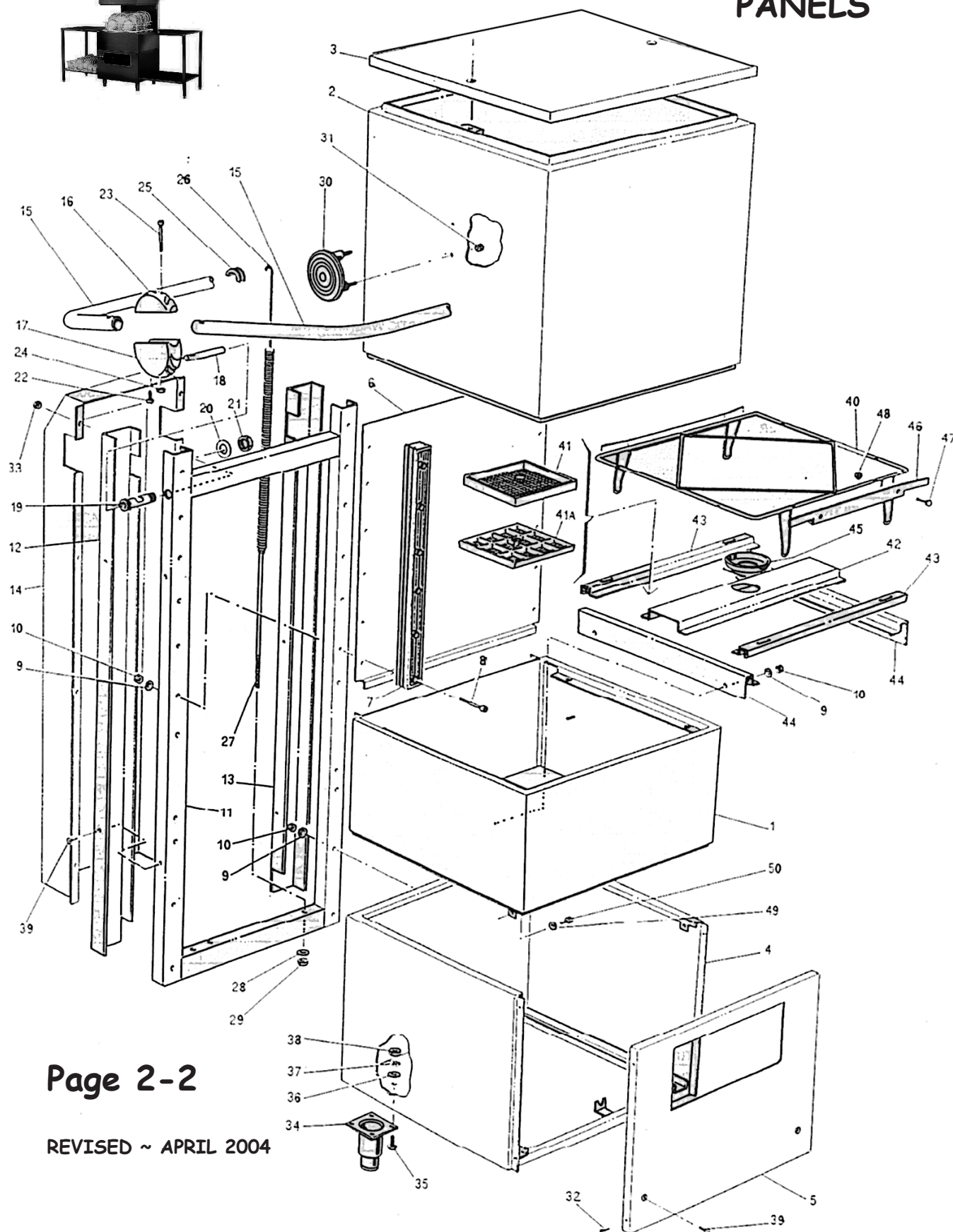


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CABINET & PANELS



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SERVICE MANUAL

CABINET & PANELS

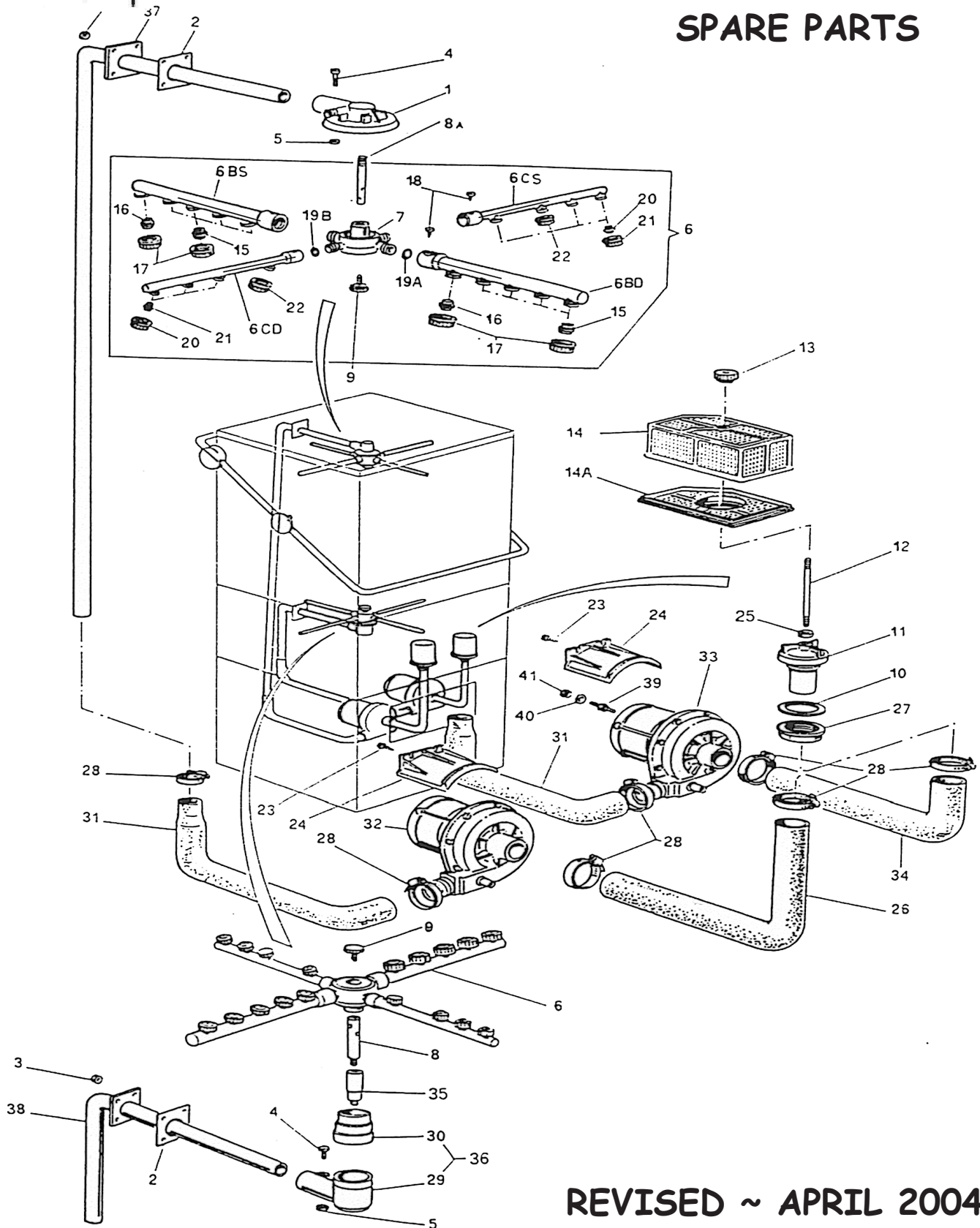


ITEM	DESCRIPTION	PART No
1	WASH TANK	HY101
2	HOOD	HY102
3	UPPER COVER	HY103A
4	BASE	HY104
5	BOTTOM PANEL	HY105
6	REAR PANEL	HY106
7	GUIDE FOR HOOD	HY107
9	WASHER	7.9.13/6
10	NUT	11.2.3
11	REAR FRAME	HY111
12	RIGHT FRAME COVER	HY112
13	LEFT FRAME COVER	HY113
14	MIDDLE FRAME COVER	HY114
15	HANDLE	HY115
16	UPPER COVER FOR HANDLE	HY116
17	LOWER COVER FOR HANDLE	HY117
18	PIN FOR HANDLE	HY118
19	BUSH	HY119
20	BUSH WASHER	HY120
21	NUT	7.3.13
22	SCREW	HY122
23	SCREW	HY123
24	NUT	11.2.3
25	CONNECTION FOR SPRING	HY125
26	SPRING	HY126
27	SPRING PILLAR	HY127
28	WASHER	HY128
29	NUT	HY129
30	SIDE BLOCK	HY130
32	SCREW	7.2.40
33	NUT	11.2.3
34	ADJUSTABLE LEG	HY134
35	SCREW	HY135
36	WASHER	HY136
37	TOOTHED WASHER	HY137
38	NUT	HY138
39	SCREW	7.2.40/1
40	RAMP FOR BASKET	HY140

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WASH SYSTEM SPARE PARTS



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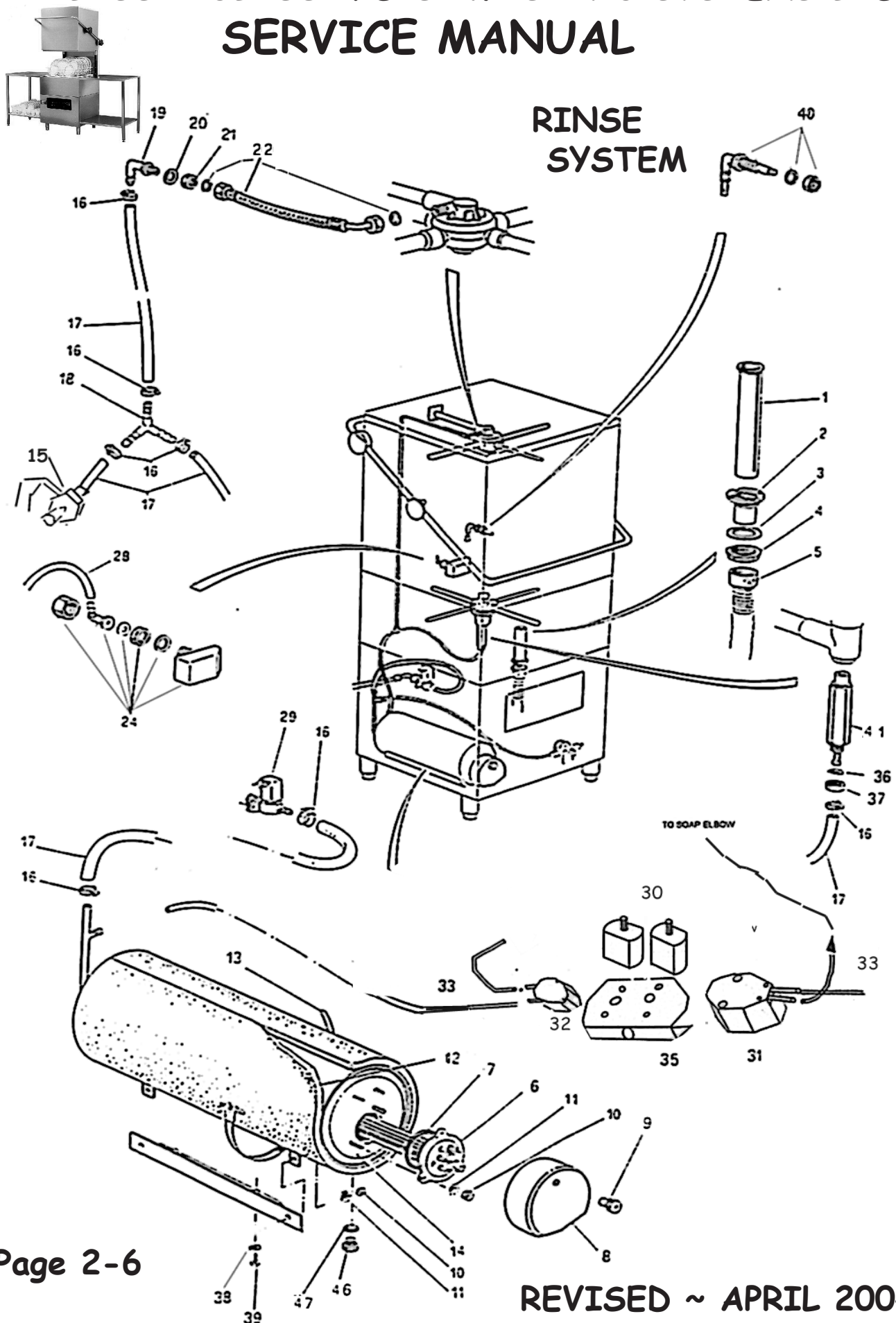
SERVICE MANUAL



WASH SYSTEM

ITEM	DESCRIPTION	PART No
1	TOP BOSS	HY201
2	CORK SEAL	HY202
3	NUT EXT. PIPE	HY124
4	SCREW	11.1.3
5	NUT	11.2.3
6A	CENTRE BOSS	11.1.0/1
6B	WASH ARM ONLY	14.1.6/5
6C	RINSE ARM ONLY	14.1.6/6
7	BUSH FOR CENTRE BOSS	11.1.9
8	SPINDLE UPPER	11.1.7/3
8A	SPINDLE LOWER	11.17/2
9	SPINDLE BOLT 8MM	11.1.8/2
10	SEAL	9.8.13
11	FILTER BOSS	9.8.4
12	FILTER SPIGOT	HY212
13	FILTER NUT	7.8.1
14	PLASTIC FILTER COMPLETE	9.8.2/D
14B	PLASTIC FILTER TOP ONLY	9.8.2/B
14C	PLASTIC FILTER BOTTOM ONLY	9.8.2/C
15	WASH JET 'D'	11.1.6/10W
16	WASH JET 'S'	11.1.6/9W
17	WASH JET NUT	11.1.6/7
18	SCREW	7.4.17
19A	'O' RING FOR WASH ARM	11.1.6/15
19B	'O' RING FOR RINSE ARM	11.1.6/16
20	RINSE JET NUT	11.1.6/11
21	RINSE JET	11.1.6/12
22	BLANK FOR RINSE JET	11.1.6/14
26	HOSE BTM PUMP 'INLET'	HY226
27	NUT	9.8.6
28	JUBILEE CLIP	7.4.12
29	LOWER SUPPORT	11.1.5
30	SPINDLE SPACER	11.1.7/7
31	HOSE 'OUTLET' (BOTH PUMPS)	HY231
32	WASH PUMP	9.6.0/B
33	WASH PUMP	9.6.0/B
34	HOSE - TOP PUMP 'INLET'	HY234
35	BOSS SPACER	11.1.5/3
37	STAINLESS PIPE FOR TOP BOSS	HY237
38	-:- PIPE FOR LOWER BOSS	HY238
39	SPECIAL BOLT	HY239

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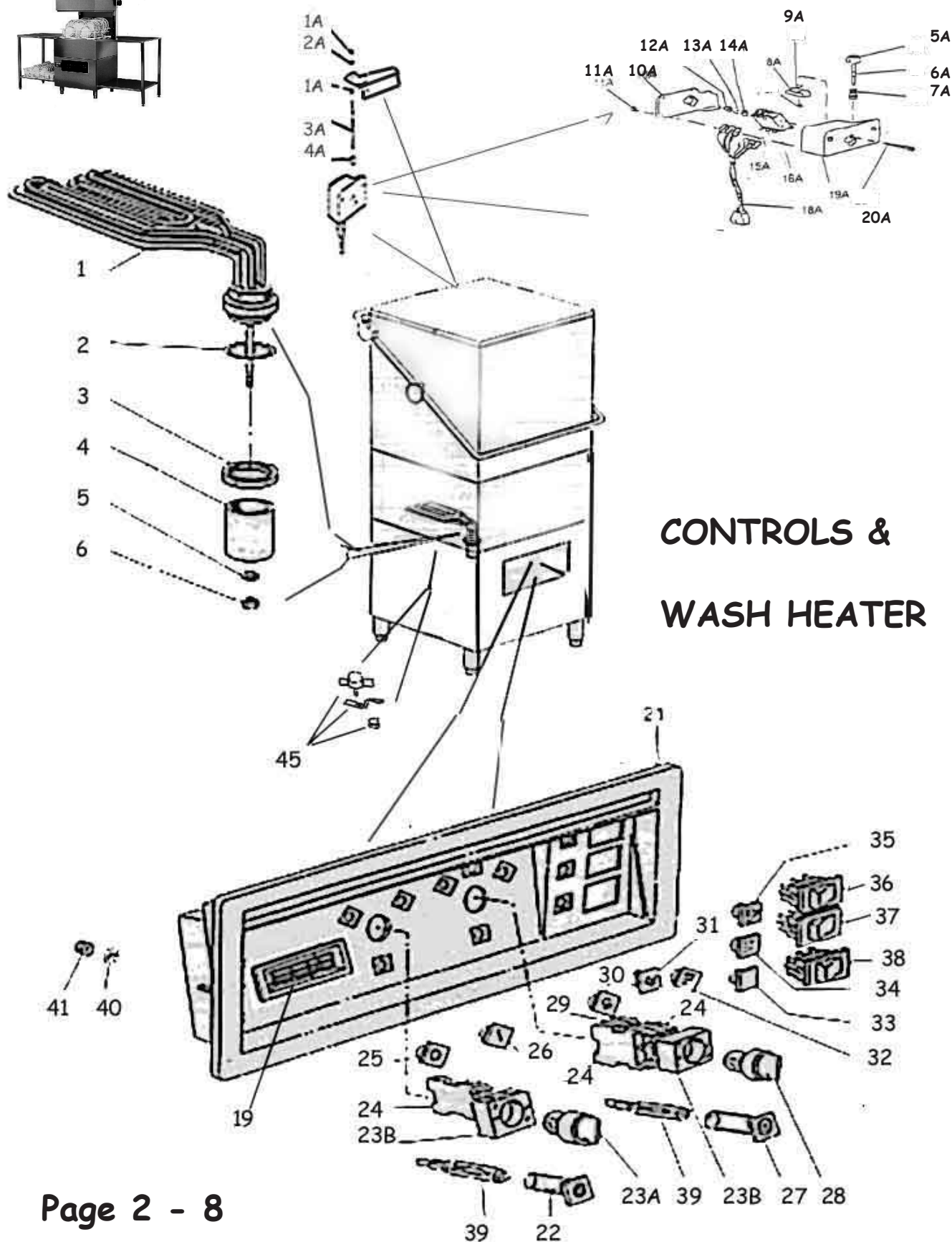
SERVICE MANUAL



RINSE SYSTEM

ITEM	DESCRIPTION			PART No
1	DRAIN PLUG			HY301
2	WASTE BOSS			9.10.2
3	'O' RING			7.8.13
4	NUT			7.8.6
5	DRAIN PIPE			HY305
6	RINSE ELEMENT 6Kw			HY306
7	'O' RING FOR ELEMENT			HY307
8	GUARD			7.9.15/1
9	SCREW FOR GUARD			7.9.16/1
10	NUT			11.2.3
11	TAB WASHER			7.9.13/1
12	INSULATION			HY312
13	JUBLEE CLIP			HY313
14	RINSE TANK			HY314
15	MANIFOLD THERMISTOR			7.12.3/1
16	CLIP			7.4.12/1
17	RINSE HOSE			8.8.15
18	'Y' PIECE			HY318
19	UPPER RINSE CONNECTOR			HY319
20	SEAL			HY320
21	NUT			HY121
22	UPPER RINSE PIPE			HY322
24	AIR TRAP ASSEMBLY			7.11.1A
28	TUBE FOR PRESSURE SWITCH			RT2
29	SOLENOID WATER VALVE 12 v			7.12.12/10
30	MOTOR FOR SOAP PUMPS			8LPP7
31	SOAP PUMP HEAD			8LPP4-PMP-S
32	RINSE AID PUMP HEAD			8LPP5
33	RINSE AID TUBE			RT3
35	BRACKET FOR SOAP PUMPS			7.6.6/20
36	'O'RING			7.5.9
37	"NUT 3/8""			7.3.13
38	SCREW			7.9.5
39	WASHER			7.2.42
40	DETERGENT ELBOW ASSEMBLY			7.2.21/H
41	RINSE SUPPORT			HY333
46	FIBRE WASHER			7.9.6
47	DRAIN BOLT			7.9.5

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**CONTROLS &
WASH HEATER**

CLASSIC GLASS & DISHWASHING SYSTEMS LTD

SERVICE MANUAL

CONTROLS & WASH HEATER



ITEM	DESCRIPTION			PART No
1	WASH ELEMENT 4.5KW			HY401
2	SEAL FOR WASH ELEMENT			HY402
3	NUT FOR WASH ELEMENT			HY403
N/S	MICRO SWITCH ASSEMBLY **			HY901ASS

Note: All '*' items included in '**'

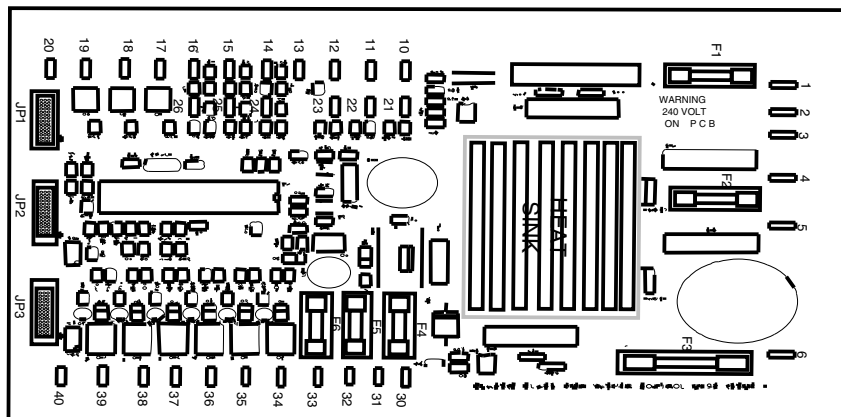
1A	NUT 6MM *			11.2.3
2A	TAB WASHER 6MM *			7.2.42
3A	STUD S/STEEL *			HY903
4A	PLASTIC COVER *			HY904
5A	PUSH BUTTON *			HY905
6A	STUD S/STEEL *			HY906
7A	SPRING S/STEEL *			HY907
8A	ACTUATOR *			HY908
9A	CIRCLIP *			HY909
10A	BOX COVER *			HY910
11A	SCREW *			HY911
12A	NUT 3MM *			HY912
13A	TAB WASHER 3MM *			HY913
14A	WASHER 3MM *			HY914
15A	2POLE MICRO SWITCH *			HY915
16A	3 POLE MICRO SWITCH *			HY916
18A	SUB LOOM FOR MICRO SWITCH			HY918
19	VISUAL DISPLAY/BEZEL CABLE			DISP-12
19A	PLASTIC BOX			HY919
20A	SCREW 3MM			HY920
21	CONTROL PANEL			HY421
22	ON/OFF LAMP 240V			7.12.6/1A
23A	ON/OFF KNOB			HY423A
23B	SWITCH BODY			HY423B
24	INNER SWITCH 'NO'			HY424
25	O SYMBOL			HY425
26	I SYMBOL			HY426
27	LAMP			HY427
28	CYCLE KNOB			HY428
29	INNER SWITCH 'NC'			HY429
30	STANDBY SYMBOL			HY425
31	FAST WASH SYMBOL			HY430
32	SLOW WASH SYMBOL			HY431
33	BLANKING PLATE			HY433
34	MANUAL RINSE SYMBOL			HY434
35	MANUAL WASH SYMBOL			HY435
36	CONTINUOUS WASH SWITCH			HY436
37	MANUAL RINSE SWITCH			HY437
38	RINSE PRIME SWITCH			7.12.4/2A

ITEM 39 12V BULB -HY539

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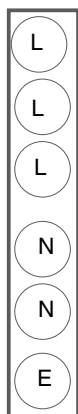


PCB

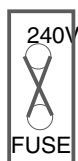


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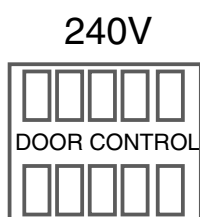
TERMINAL BLOCK



2



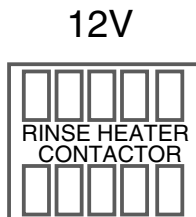
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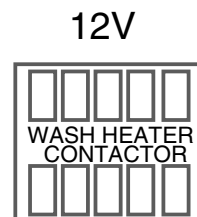
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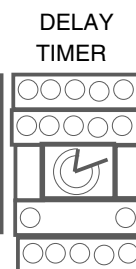
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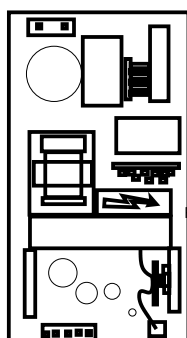
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6



7



8

POWER SUPPLY UNIT

ELECTRICAL / ELECTRONIC LAYOUT

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ELECTRICAL/ELECTRONIC PARTS

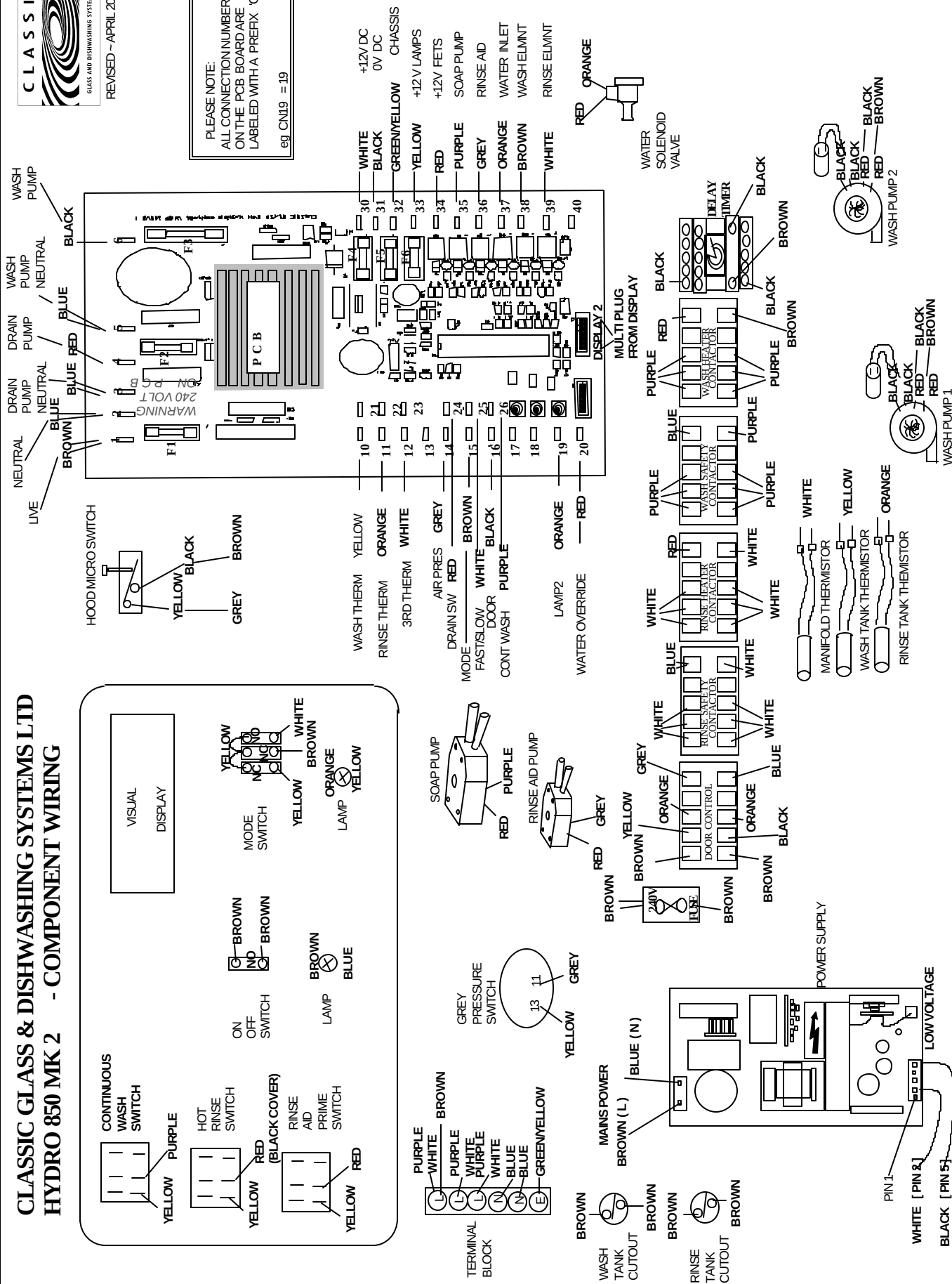
ITEM	DESCRIPTION			PART No
1	P.C.B.			PCB-X1
1A	MICRO CHIP			SYS-08
2	TERMINAL BLOCK			7.12.7A
3A	FUSE HOLDER			FUSE-05
	Alternative to 3/3A RESETABLE FUSE			TCB-1
3	240 VOLT 5 AMP FUSE			FUSE-01
5	CONTACTOR 240V COIL B6			CONTACTOR/4
6	CONTACTOR 12VOLT COIL B6C			CONT/15
7	DELAY TIMER			7.12.2/3X
8	POWER SUPPLY UNIT			PS-01
	FUSES ON PCB BOARD			
F1	10MA PCB FUSE			FUSEX1
F2 & F6	2AMP PCB FUSE			FUSEX2
F3	5AMP PCB FUSE 1.1/4"			FUSEX3 (FUSE HOLDER FUSE-05)
F4	1AMP PCB FUSE			FUSEX4
F5	5AMP x 20mm PCB FUSE			FUSEX5
	KIT OF FUSES	2off each		FUSEKIT MK2

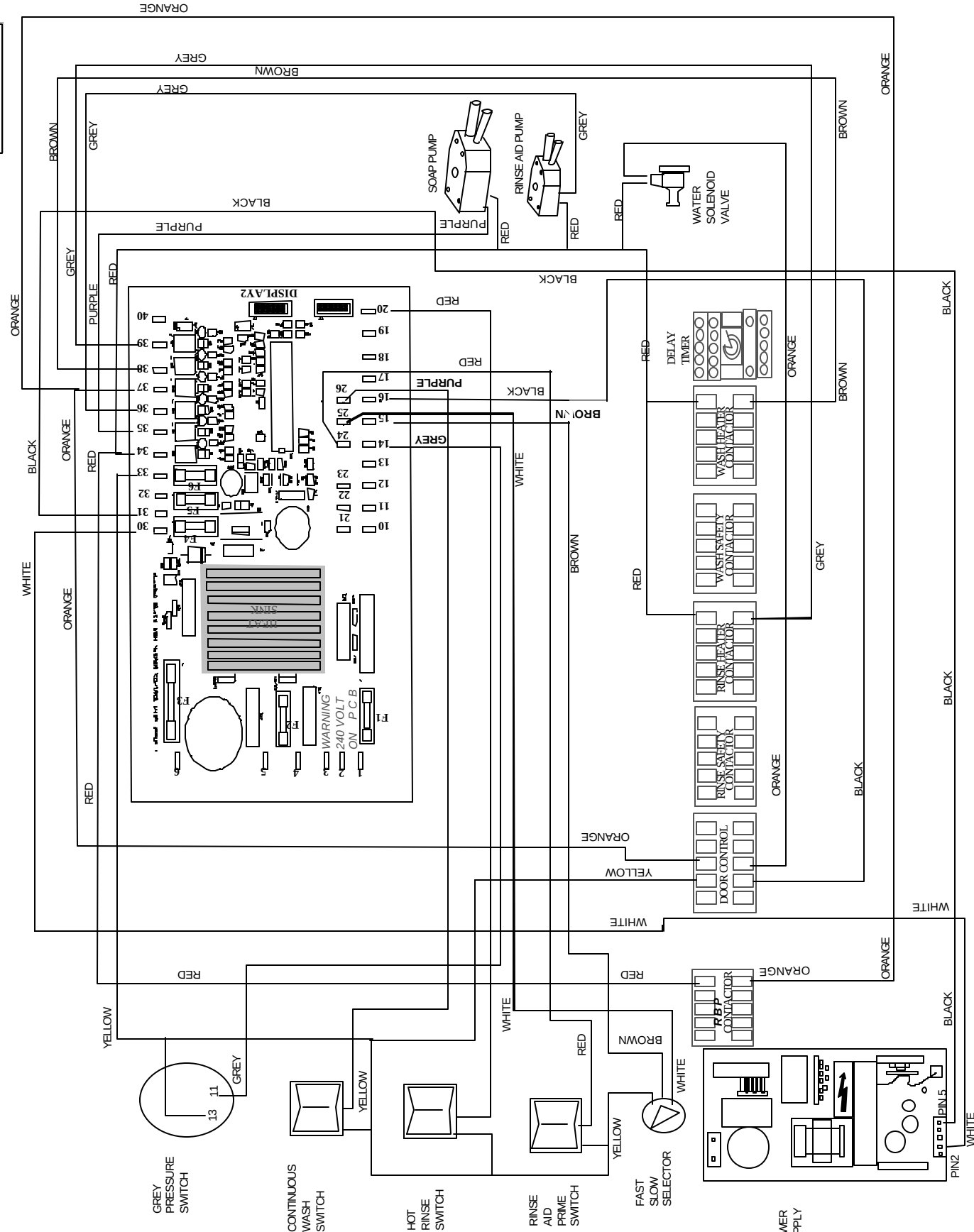
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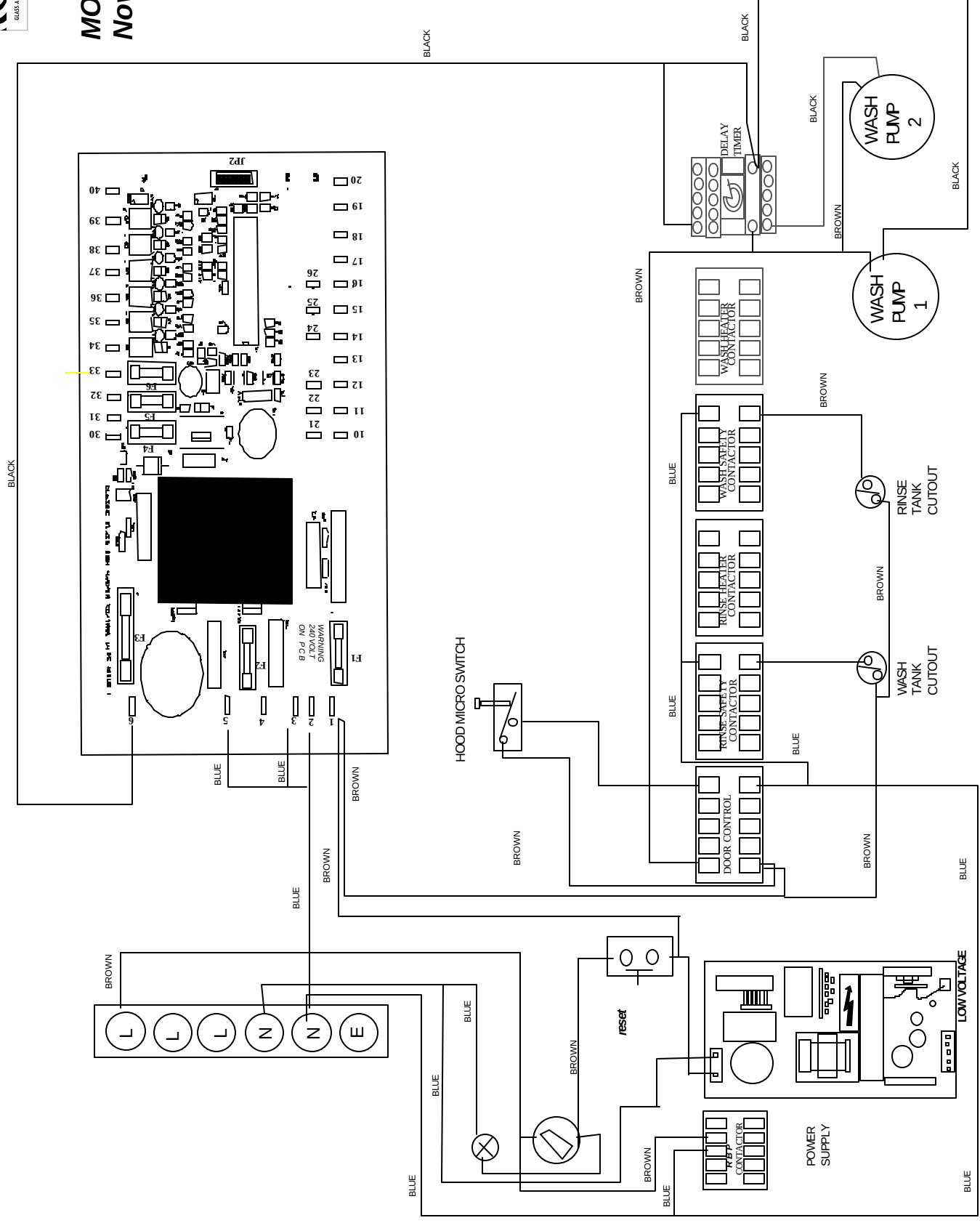
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PLEASE NOTE:
ALL CONNECTION NUMBERS
ON THE PCB BOARD ARE
LABELED WITH A PREFIX 'CN'







CLASSIC GLASS & DISHWASHING SYSTEMS LTD HYDRO 850 MK2 - 240V HEATER POWER CIRCUITS

