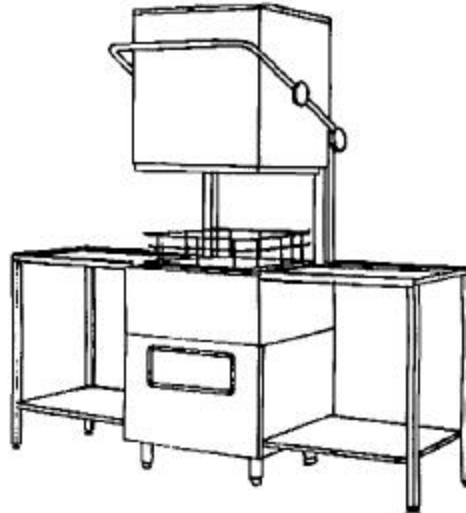




HYDRO 850 / 900

SERVICE MANUAL & SPARE PARTS LIST

CLASSIC HOUSE, AIRFIELD INDUSTRIAL ESTATE, HIXON , STAFFORDSHIRE ST18



BLANK



SEPTEMBER 2001 WO

HYDRO 850 / 900 PASS THROUGH HOOD MACHINE

CONTENTS

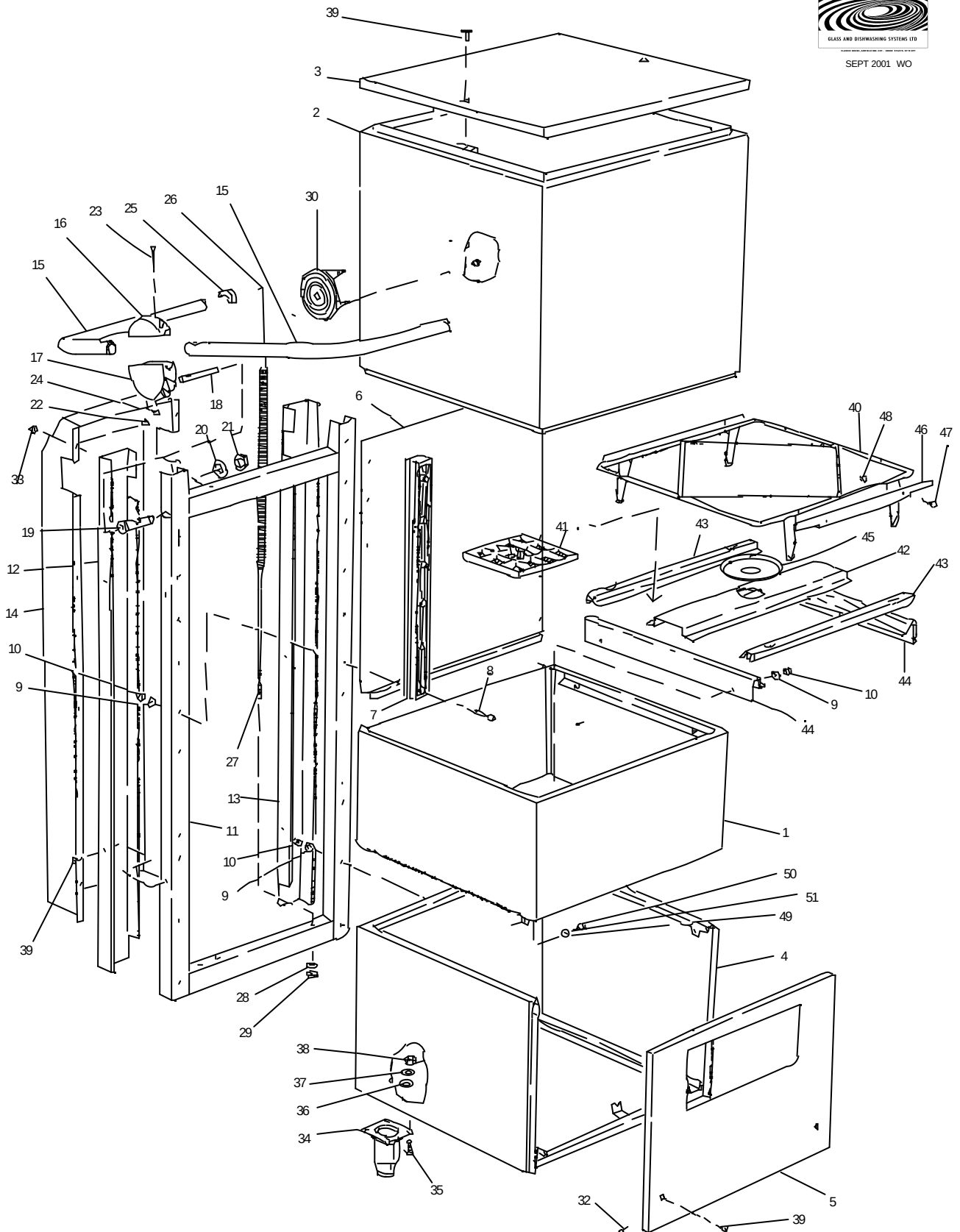
PAGE 1	CONTENTS
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PAGE 3	CABINET PARTS LIST
PAGE 4	WASH SYSTEM
PAGE 5	WASH SYSTEM PARTS
PAGE 6	RINSE SYSTEM
PAGE 7	RINSE SYSTEM PARTS
PAGE 8	WASH HEATER & CONTROLS
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PAGE 16	REPLACING OLD TYPE TIMER
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PAGE 18	FITTING AIR BREAK TANK
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PAGE 20	PRESSURE SWITCH CHANGE 4/99

CLASSIC GLASS & DISHWASHING SYSTEMS LTD

CABINET DRAWING



SEPT 2001 WO





CABINET PARTS

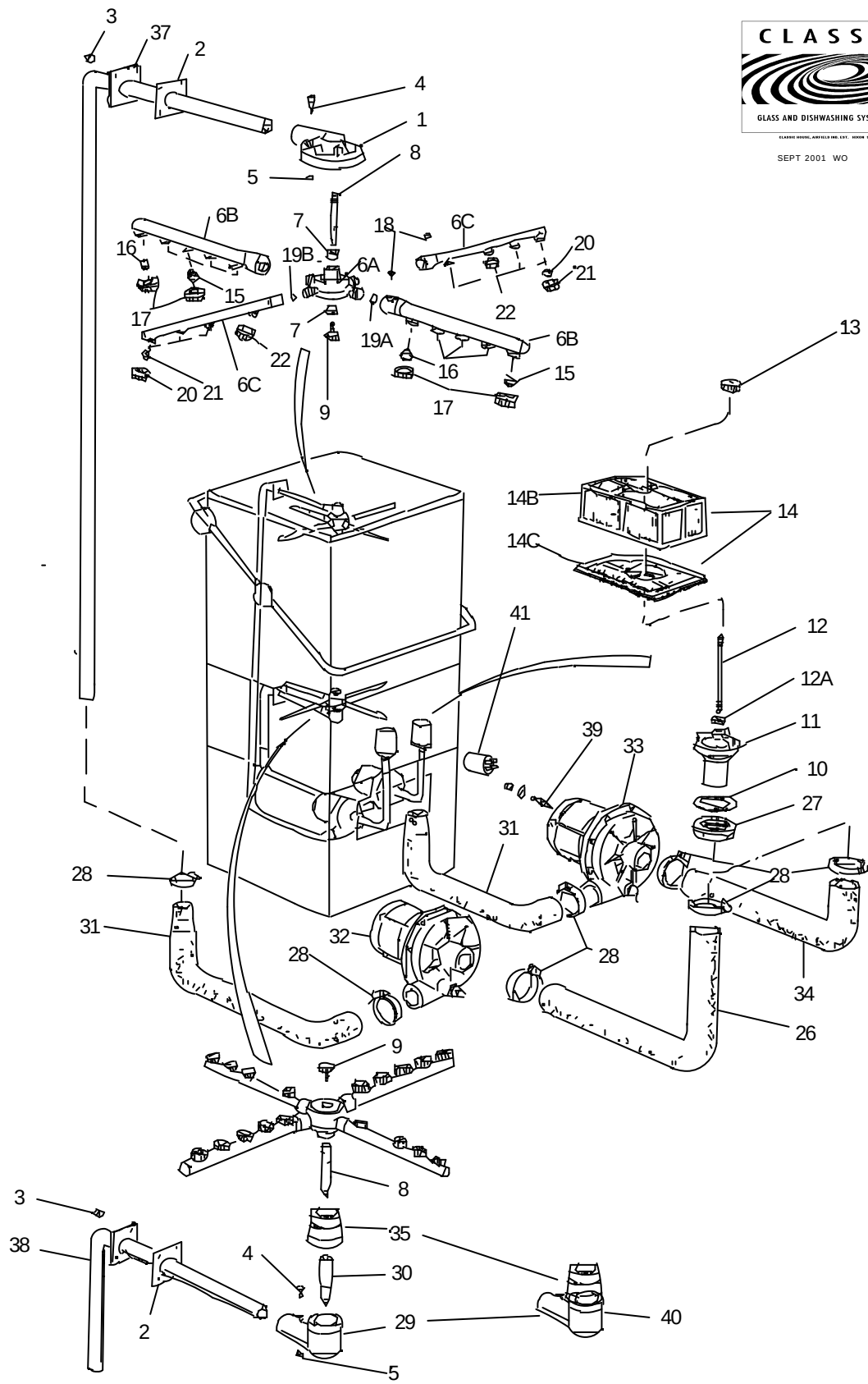
H850

ITEM	DESCRIPTION	PART No
1	WASH TANK	HY101
2	HOOD	HY102
3	UPPER COVER - MAGNET TYPE(PRE 98)	HY103
3	UPPER COVER - MICRO S/W TYPE JAN 98	HY103A
4	BASE	HY104
5	BOTTOM PANEL	HY105
6	REAR PANEL	HY106
7	GUIDE FOR HOOD	HY107
9	WASHER	7.2.42
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 3mm (Allen key)	HY122
23	SCREW 5mm (Allen key)	HY123
24	NUT	11.2.3
25	CONNECTION FOR SPRING	HY125
26	SPRING	HY126
27	SPRING PILLAR	HY127
28	WASHER	HY136
29	NUT	HY138
30	SIDE BLOCK	HY130
32	SCREW	7.2.40
33	NUT	11.2.3
34	AJUSTABLE LEG	HY134
35	SCREW	HY135
36	WASHER	HY136
37	TOOTHED WASHER	HY137
38	NUT	HY138
39	SCREW	7.2.40/1
40	RAMP FOR RACK	HY140
41	PRIMARY FILTER	10.2.9
42	CENTRE SUPPORT PLATE	HY142
43	FRONT/REAR SUPPORT	HY143
44	SIDE SUPPORT	HY144
45	BOTTOM FLANGE	11.1.10/6
46	SIDE GUIDE FOR BASKET	HY146
47	SCREW	HY147
48	NUT	HY148
49	WASHER FOR CABINET	W009
50	CABINET BOLT	7.2.36
51	STAR WASHER	W014

WASH SYSTEM



SEPT 2001 WO



CLASSIC GLASS & DISHWASHING SYSTEMS LTD

WASH SYSTEM

H850



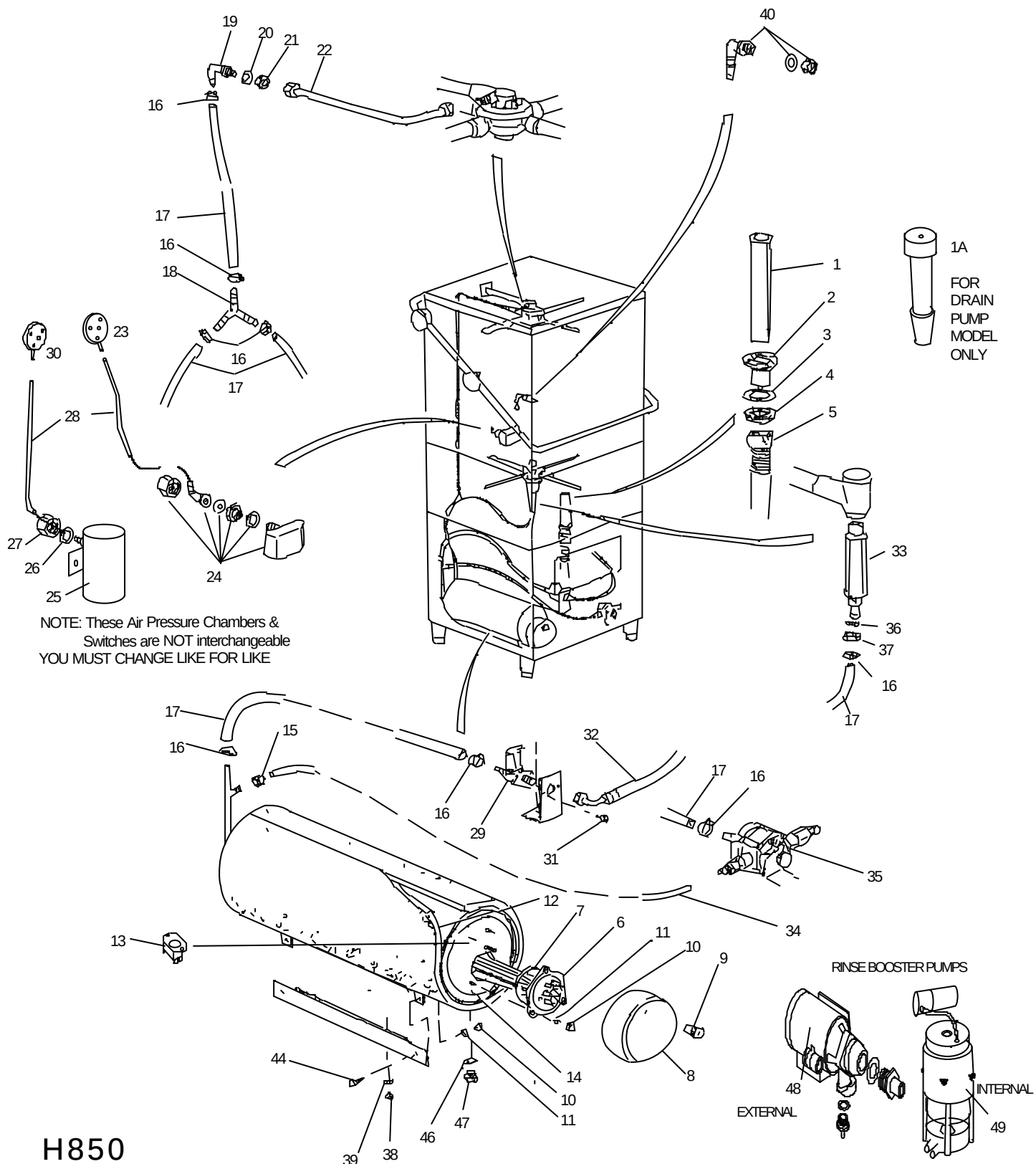
1	TOP BOSS COMPLETE WITH SPINDLE		HY201
2	CORK SEAL		HY202
3	NUT FOR PIPE		HY124
4	SCREW		11.1.3
5	NUT		7.2.41
6A	CENTRE BOSS WITH BUSHES		11.1.0/1
6B	WASH ARM ONLY		14.1.6/5
6C	RINSE ARM ONLY		14.1.6/6
7	BUSH FOR CENTRE BOSS		11.1.9
8	SPINDLE (UPPER)		11.1.7/3
9	SPINDLE BOLT		11.1.8/2
10	SEAL		9.8.13
11	FILTER BOSS		9.8.4
12	FILTER SPIGOT		HY212
12A	NUT		11.2.3
13	FILTER NUT		7.8.1
14	PLASTIC FILTER COMPLETE		9.8.2/D
14B	PLASTIC FILTER TOP PART ONLY		9.8.2/B
14C	PLASTIC FILTER BOTTOM PART ONLY		9.8.2/C
15	WASH JET WIDE 'D' R/H		11.1.6/10W
16	WASH JET WIDE 'S' L/H		11.1.6/9W
17	WASH JET NUT		11.1.6/7
18	SCREW		7.4.17/1
19A	O' RING - WASH ARM		11.1.6/15
19B	O'O' RING - 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	INLET HOSE - BOTTOM WASH PUMP		HY226
27	NUT		9.8.6
28	JUBILEE CLIP		7.4.12
29	BOTTOM BOSS		11.1.5
30	SPINDLE SPACER		11.1.7/7
31	OUTLET HOSE - WASH PUMP		HY231
32	WASH PUMP WITH RINSE AID OUTLET		9.6.0/R
33	WASH PUMP WITH BLANKED OFF OUTLET		9.6.0/B
34	INLET HOSE - TOP WASH PUMP		HY234
35	BOSS SPACER		13.1.10/4
37	STAINLESS PIPE FOR TOP BOSS		HY237
38	STAINLESS PIPE FOR LOWER BOSS		HY238
39	BOLT		HY239
40	BOTTOM BOSS ASSEMBLY ITEMS 29 & 35		11.1.5/3
41	CAPACITOR 12.5mf		7.12.102
42	SELF TAPPING SCREW		7.4.17
WASH PUMP PARTS NOT SHOWN			
	SHAFT SEAL		7.6.3
	GASKET FOR HOUSING		9.6.13B
	IMPELLOR		9.6.2
	HOUSING -FRONT BLANKED OFF		9.6.1B
	HOUSING -FRONT WITH RINSE AID		9.6.1R
	HOUSING - BACK PLATE		9.6.14B

CLASSIC GLASS & DISHWASHING SYSTEMS LTD

RINSE SYSTEMS



GLASS AND DISHWASHING SYSTEMS LTD
SEPT 2001 W/O



CLASSIC GLASS & DISHWASHING SYSTEMS LTD

RINSE SYSTEM

H850



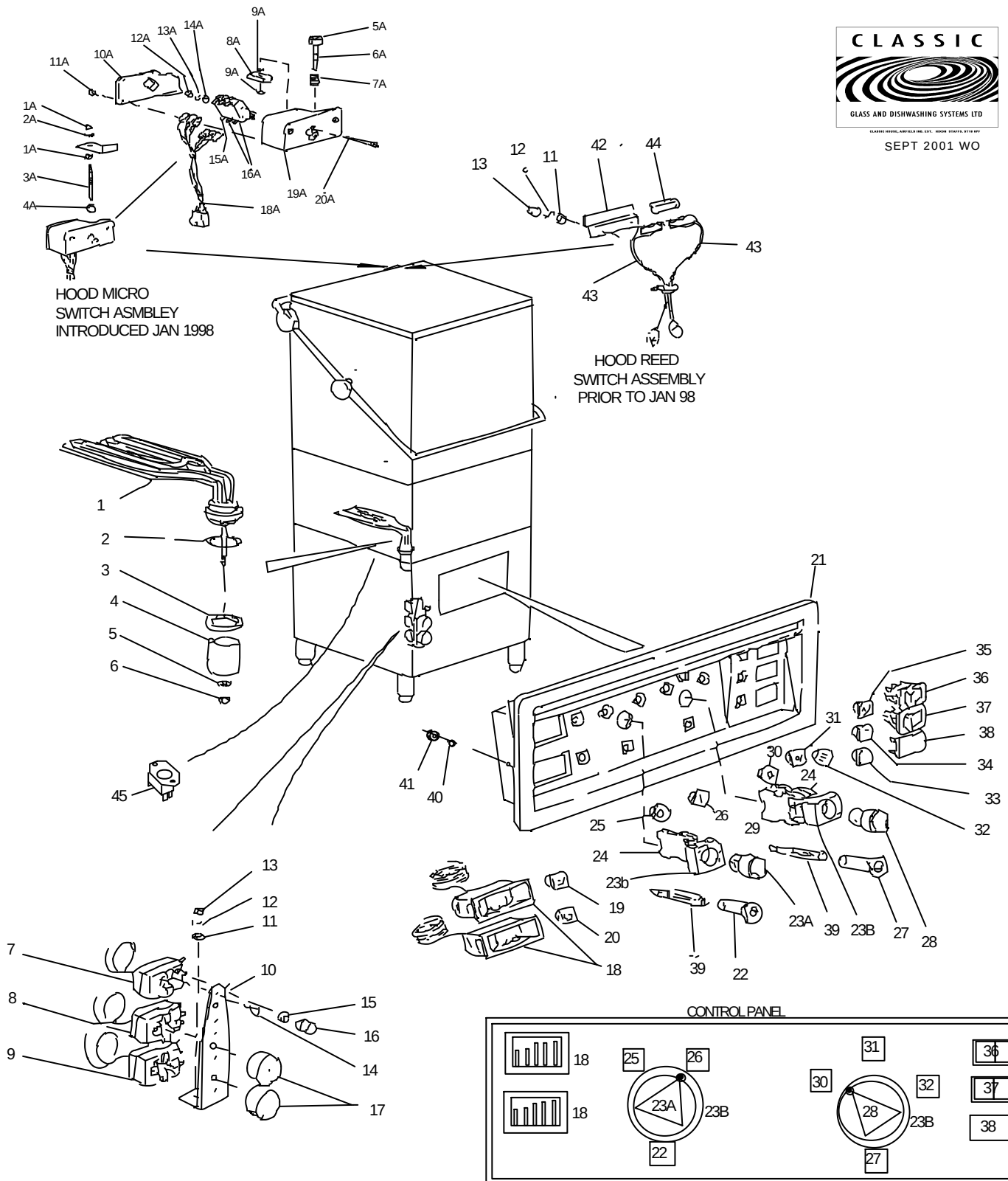
1	DRAIN PLUG - GRAIVTY DRAIN		HY301
1A	DRAIN PLUG - PUMP DRAIN		HY301DP
2	WASTE BOSS		9.10.2
3	O' RING		7.8.13
4	NUT		7.8.6
5	DRAIN HOSE		HY305
6	RINSE ELEMENT 6KW (H850)		HY306
6	RINSE ELEMENT 9KW (H900)		HY306A
7	SEAL FOR RINSE ELEMENT		HY307
8	GUARD		7.9.15/1
9	SCREW FOR GUARD		7.9.16/1
10	NUT		11.2.3
11	STAR WASHER		7.9.13/1
12	INSULATION FOR RINSE TANK		HY312
13	THERMAL CUTOUT		7.12.4/D
14	RINSE TANK		HY314
15	BRASS NUT FOR OLD R/A TUBE		7.9.2
16	CLIP		7.4.12/1
17	RINSE HOSE		8.8.15
18	Y' PIECE		HY308
19	UPPER RINSE ELBOW CONNECTOR		HY319
20	SEAL		HY320
21	NUT		HY121
22	UPPER RINSE PIPE		HY322
23	PRESSURE SWITCH PROIR 4/99		7.12.9E
24	AIR TRAP ASSEMBLY PRIOR 4/99		7.11.1AA
25	AIR TRAP POST 5/99		7.11.1/H
26	O' RING		7.11.5H
27	NUT		7.11.4
28	TUBE		RT3
29	INLET WATER SOLENOID VALVE 24Volt		HY329
30	PRESSURE SWITCH POST 5/99		7.12.9H
31	SCREW		7.9.13/11
32	INLET HOSE		7.8.14
33	RINSE SUPPORT		HY333
34	HARD NYLON TUBE (OLD SYSTEM)		7.9.10
34A	SOFT TUBE - RINSE INJECTOR TO TANK		RT3
35	REMOTE RINSE AID INJECTOR		7.7.0.1/1
36	O' RING		7.5.9
37	NUT 3/8"		7.3.13
38	SCREW		7.9.5
39	WASHER		7.2.42
40	SOAP ELBOW		7.2.21/H
44	SCREW		7.9.13/4
46	FIBRE WASHER		7.9.6
47	DRAIN BOLT		7.9.5
OPTIONAL EXTRAS			
48	EXTERNAL RINSE BOOSTER PUMP		DKRBP
49	INTERNAIL RINSE BOOSTER PUMP		RBP5
	24Volt CONTACTOR FOR RBP's		HY522

CLASSIC GLASS & DISHWASHING SYSTEMS LTD

WASH HEATER & CONTROL SYSTEM



SEPT 2001 WO



H850
PAGE 8

SWITCH ARRANGEMENT AT REAR OF CONTROL KNOBS

CLASSIC GLASS & DISHWASHING SYSTEMS LTD

WASH HEATER & CONTROL SYSTEM



H850

1	WASH ELEMENT 4.5KW	HY401
2	SEAL FOR ELEMENT	HY402
3	NUT	HY403
4	COVER	HY404
5	WASHER	HY405
6	NUT	HY406
7	SAFETY STAT (REMOTE)	HY407
SAFETY STAT ATTACHED TO RINSE TANK		7.12.4/D
8	THERMOSTAT - RINSE	7.12.1/2
9	THERMOSTAT - WASH	7.12.1/2
10	BRACKET	HY410
11	WASHER	7.2.42
12	STAR WASHER	W010
13	NUT	11.2.3
14	SCREW	7.6.15
15	RING NUT	HY415
16	KNOB	HY416
18	TEMP INDICATOR	HY418
19	INSERT BADGE - RINSE	HY419
20	INSERT BADGE - WASH	HY420
21	CONTROL PANEL	HY421
22	GREEN LENS	HY422
23A	ON/OFF KNOB	HY423A
23B	SWITCH BODY	HY423B
24	INNER SWITCH 'NO'	HY424
25	O' SYMBOL INSERT	HY425
26	I' SYMBOL INSERT	HY426
27	LAMP CLEARAMBER LENS	HY427
28	PROGRAM KNOB	HY428
29	INNER SWITCH 'NC'	HY429
30	WASH 1 SYMBOL INSERT	HY430
31	WASH 2 SYMBOL INSERT	HY431
32	WASH 3 SYMBOL INSERT	HY432
33	BLANK INSERT	HY433
34	RINSE SYMBOL INSERT	HY434
35	WASH SYMBOL INSERT	HY435
36	GREEN CONT. WASH SWITCH	HY436
37	AMBER RINSE SWITCH	HY437
38	BLANKING PLATE	HY438
39	LAMP 24 Volt CLEAR	HY439
40	STAR WASHER	HY440
41	NUT	11.1.20
42	BRACKET FOR REED SWITCH	HY442
43	REED SWITCH	HY443
44	MAGNET	HY444
45	THERMAL CUTOUT - WASH TANK	7.12.2/D8

1A	NUT 6mm	HY901
2A	TAB WASHER 6mm	HY902
3A	STUD WASHER	HY903
4A	PLASTIC COVER	HY904
5A	PUSH BUTTON	HY905
6A	STUD S/STEEL	HY906
7A	SPRING S/STEEL	HY907
8A	ACTUATOR	HY908
9A	CLIP	HY909
10A	BOX COVER	HY910
11A	SCREW	HY911
12A	NUT 3mm	HY912
13A	TAB WASHER 3mm	HY913
14A	WASHER 3mm	HY914
15A	2 POLE MICRO SWITCH	HY915
16A	3 POLE MICRO SWITCH	HY916
18A	SUB LOOM FOR MICRO SWITCH	HY918
19A	PLASTIC BOX	HY919
20A	SCREW 3mm	HY920
COMPLETE MICRO SWITCH ASSEMBLY		HY901-ASS

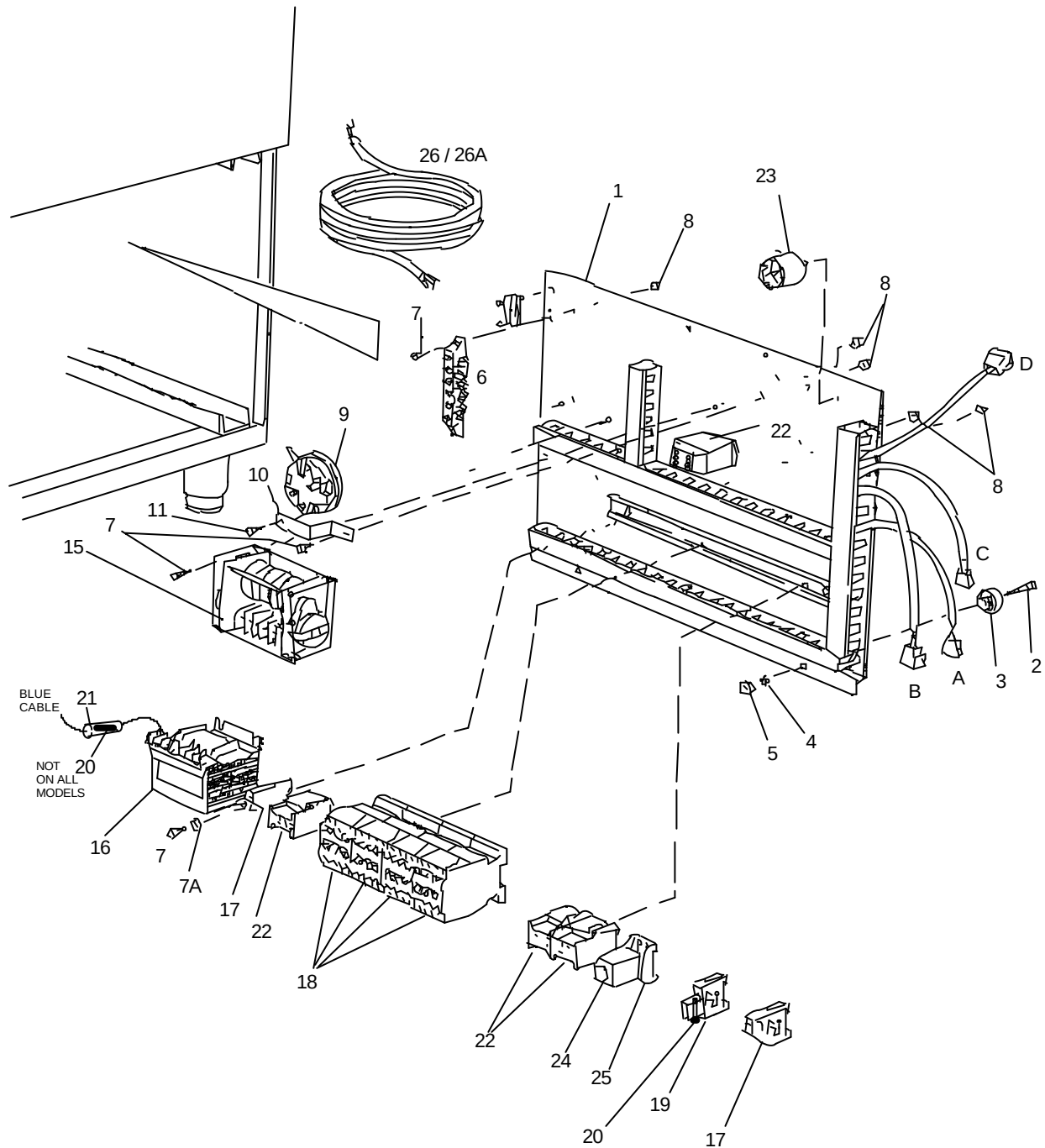
NOT SHOWN		
OPTIONAL EXTRAS		
	TIMER FOR DRAIN PUMP	7.12.2/5
38B	SWITCH FOR DRAIN PUMP	7.12.4/2A
BOTH ARE 240Volts		

CLASSIC GLASS & DISHWASHING SYSTEMS LTD

ELECTRICAL AND SUB LOOMS



SEPT 2001 WOO



CLASSIC GLASS & DISHWASHING SYSTEMS LTD

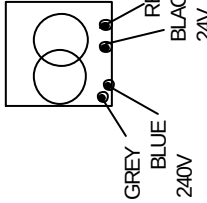
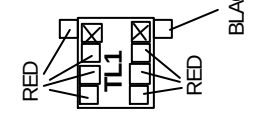
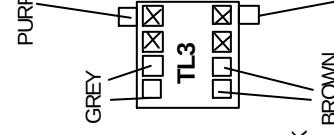
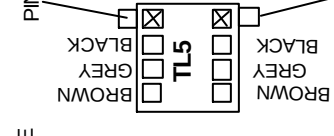
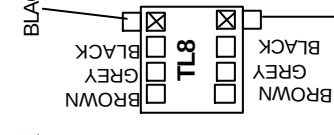
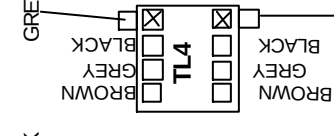
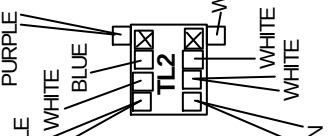
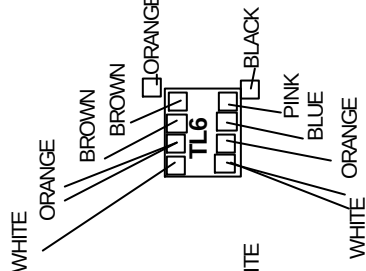
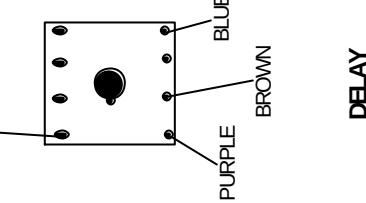
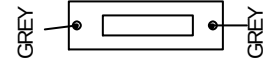
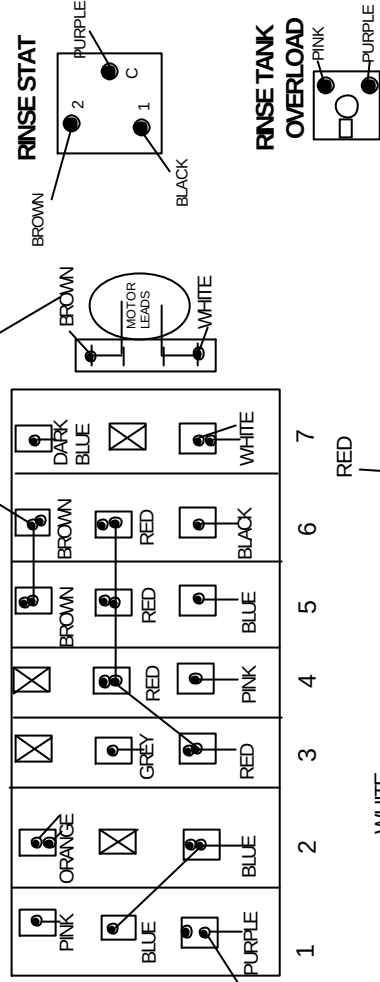
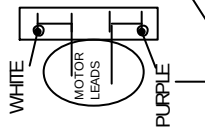
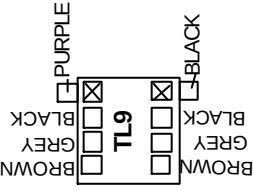
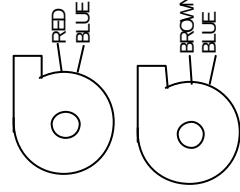
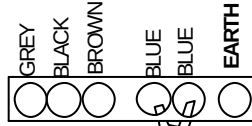
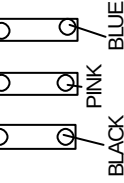
ELECTRICAL PANEL

H850



1	SLIDE PANEL		HY501
2	SCREW		HY502
3	RUNNER		HY503
4	TAB WASHER		HY504
5	SCREW		HY131
6	TERMINAL BLOCK		7.12.7/A
7	SCREW		HY122
8	NUT		HY508
9	AIR PRESSURE SWITCH - PRE 4/99		7.12.9/E
9	AIR PRESSURE SWITCH POST 5/99		7.12.9H
10	SUPPORT		HY510
11	SCREW		HY331
12	SPACER		HY512
13	NUT		11.2.3
14	STAR WASHER		W010
15	TIMER		HY515
16	TRANSFORMER		HY516
17	STOP BLOCK		HY517
18	CONTACTOR 24 Volt 20amp		HY518
19	FUSE HOLDER		FUSE-05
20	FUSE 6.3 amp		FUSE-03
21	FUSE HOLDER INLINE		FUSE-03H
22	CONTACTOR 24 Volt 16amp		HY522
23	RF SUPPRESSOR		7.12.101/A
24	DELAY TIMER		HY524
25	BASE FOR DELAY TIMER		HY525
26	3 PHASE CABLE		7.12.10/4
26A	SINGLE PHASE 30 AMP CABLE		7.12.10/3
SUB LOOMS			
A	PUSH ON BLOCK - DOOR		HY50A
B	PUSH BLOCK - ELEMENT		HY50B
C	PUSH BLOCK - PUMPS		HY50C
D	PUSH BLOCK - CONTROL		HY50D
NOT SHOWN IF FITTED -Situated on side above rinse tank 3 MIN DRAINER TIMER (OPTIONAL EXTRA)			7.12.2/5

ON / OFF
SWITCH



DELAY
TIMER
WASH
PUMP

FILL / RINSE

DOOR

WASH
HEATER

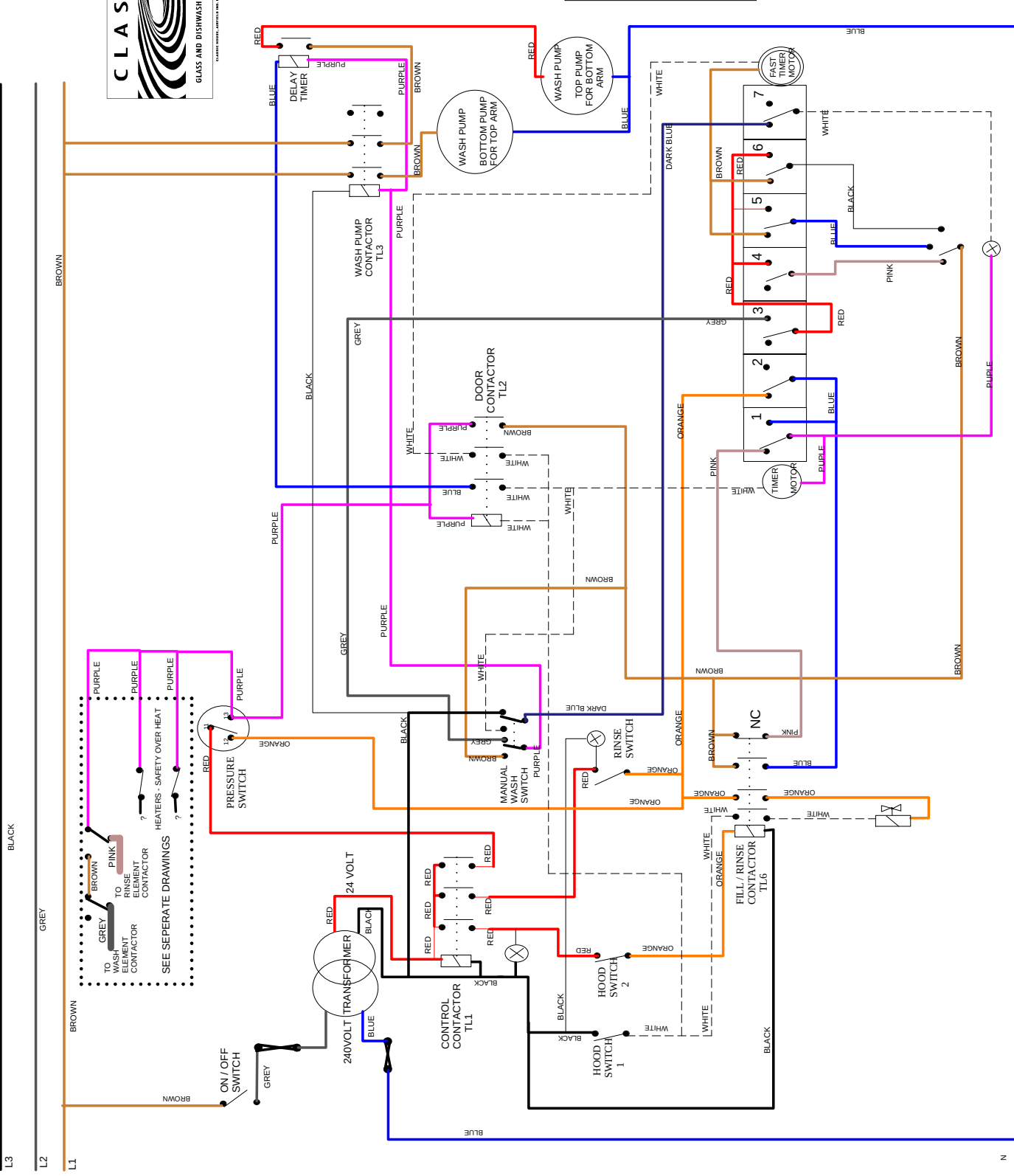
RINSE HEATER

RINSE
SAFETY

WASH
PUMP

**CONTROL
CONTACTOR**

TRANSFORMER



CLASSIC



GLASS AND DISHWASHING SYSTEMS LTD

HYDRO 850

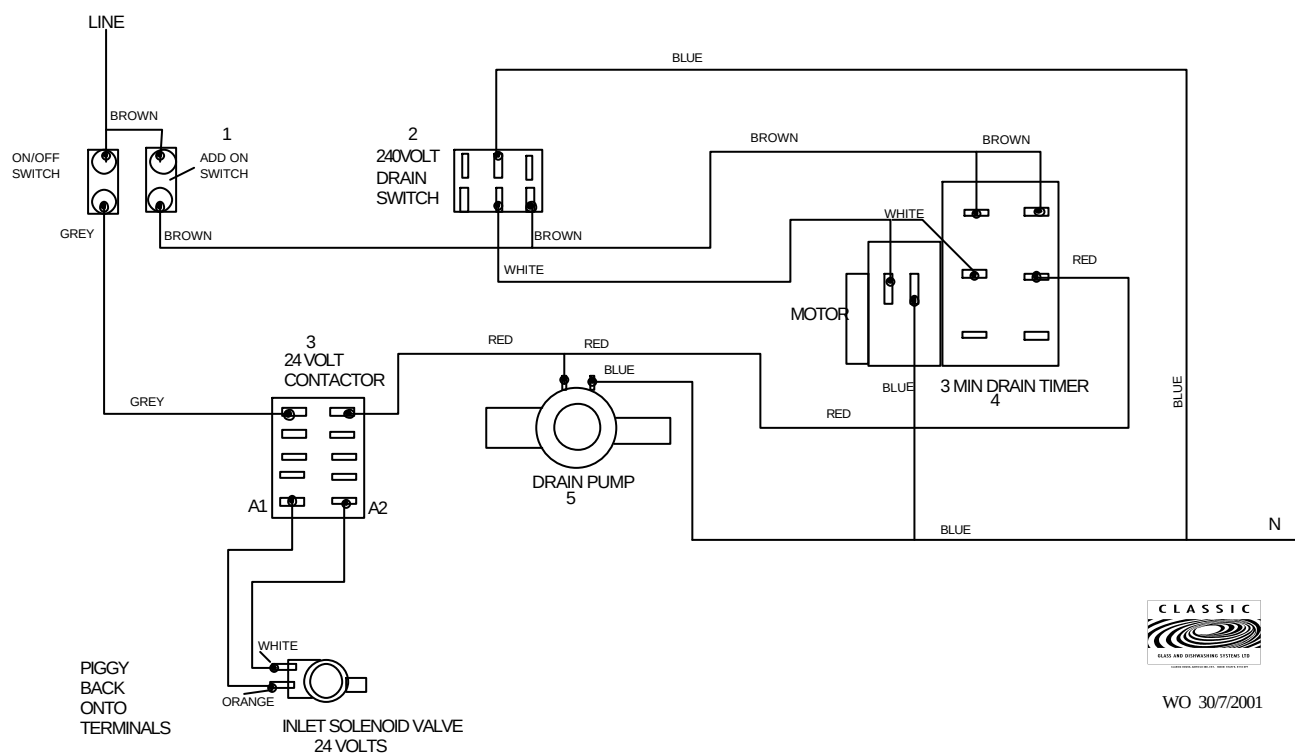
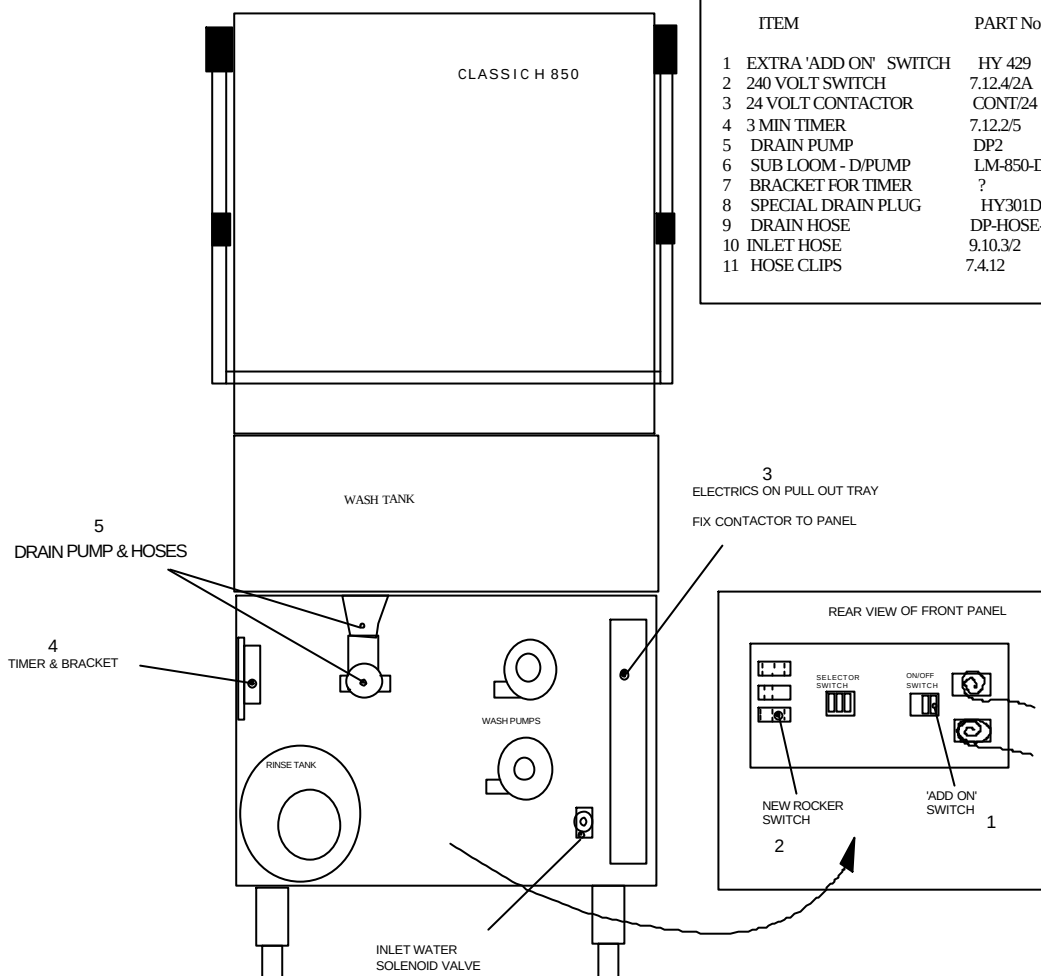
WIRING DIAGRAM

- | TIMER CAMS |
|------------------------|
| 1 SELF START |
| 2 RINSE |
| 3 MANUAL OVER RIDE |
| 4 LONG CYCLE - 3Mins |
| 5 SHORT CYCLE - 1Min |
| 6 MEDIUM CYCLE - 2Mins |
| 7 OFF POSITION |

HYDRO 850 FITTING DRAIN PUMP & WIRING

Part No DP4 KIT

ITEM	PART No
1 EXTRA 'ADD ON' SWITCH	HY 429
2 240 VOLT SWITCH	7.12.4/2A
3 24 VOLT CONTACTOR	CONT/24
4 3 MIN TIMER	7.12.2/5
5 DRAIN PUMP	DP2
6 SUB LOOM - D/PUMP	LM-850-DP
7 BRACKET FOR TIMER	?
8 SPECIAL DRAIN PLUG	HY301DP
9 DRAIN HOSE	DP-HOSE- long
10 INLET HOSE	9.10.3/2
11 HOSE CLIPS	7.4.12

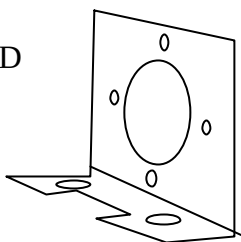


WO 30/7/2001

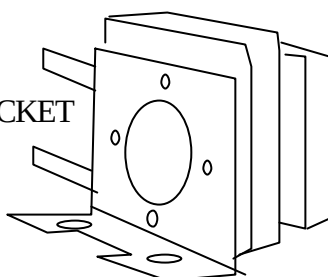
FITTING DETERGENT PUMP AND PCB TO HOOD MACHINE



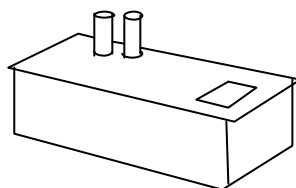
FIX TO BASE ONTO THE ONE STUD



FIT DETERGENT PUMP TO BRACKET



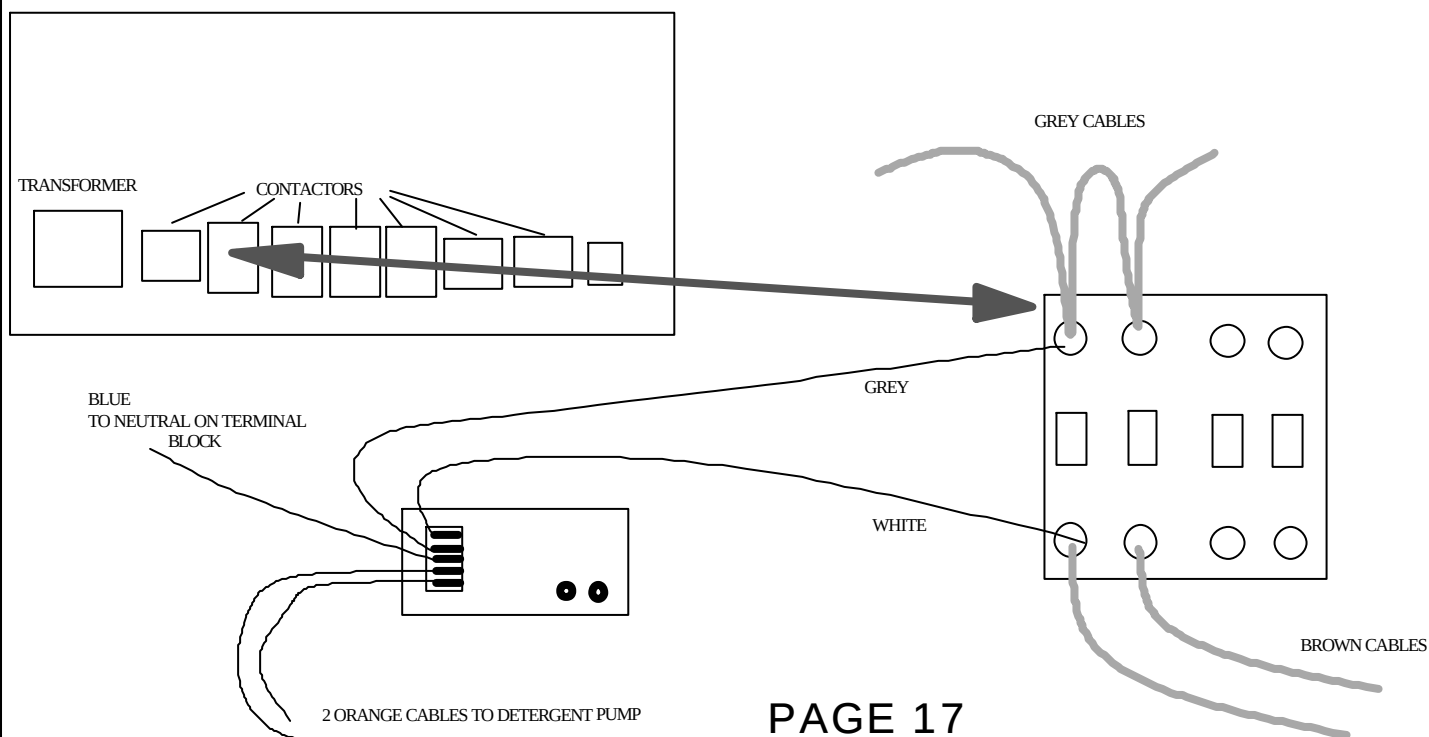
FIT PCB TO MACHINE USING STICKY BACK PAD.



PARTS REQUIRED

7.6.6/7 Bracket
8LPP2 Detergent pump
CLM210 PCB Detergent
H850 Det Sub Loom
7.7.21/9 connectors x 4

- 1: CONNECT 2 ORANGE CABLES TO DERTGENT PUMP
- 2: BLUE CABLE TO NEUTRAL ON TERMINAL BLOCK
- 3: GREY CABLE TO LIVE SIDE OF WASH PUMP CONTACTOR
- 4: WHITE CABLE TO DEAD SIDE OF WASH PUMP CONTACTOR



BLANK

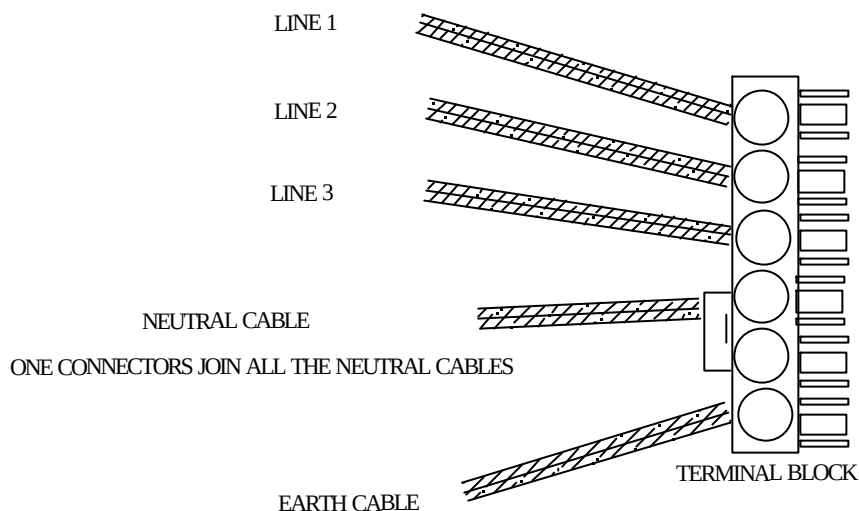


CLASSIC HOUSE, AIRFIELD IND. EST. NIXON STAFFS. ST10 0PF

WO JUNE 2001

CLASSIC HYDRO 850 & 900 MAINS CABLE WIRING

H850 MACHINES ARE NORMALLY DELIVERED AS 3 PHASE



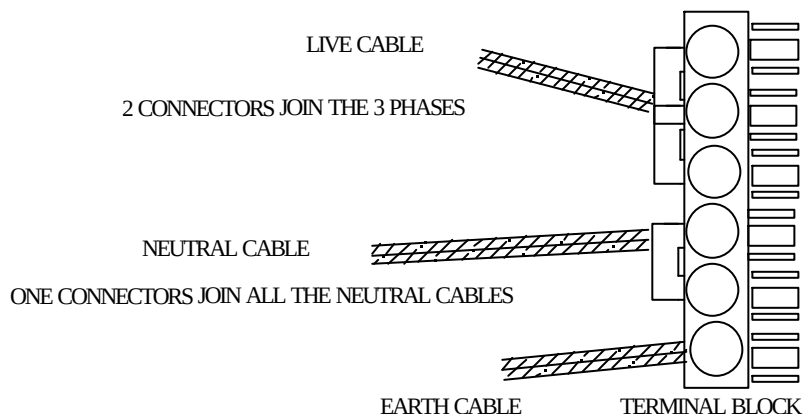
THE H850 PASS THROUGH MACHINE IS A 240VOLT MACHINE SO CHANGING FROM 3 PHASE TO SINGLE PHASE ONLY ALTERS THE HEATERS THE WASH PUMPS ARE BOTH 240 VOLT

H850
RATING 3 PHASE = 15 AMP PER PHASE

Note: H900 is a 9kw Machine and is 3phase only

WIRED AS SINGLE PHASE

TWO 'C' CONNECTORS JOINING THE THREE PHASE TOGETHER
THESE ARE FOUND IN THE PLASTIC BAG INSIDE THE MACHIN ON DELIVERY



H850
RATING SINGLE PHASE = 30 AMP

Note:
H900 can NOT be wired as single phase machine

CHANGING FROM THREE PHASE TO SINGLE PHASE = FIT THE 2 'C' CONNECTOR TO THE 3 LIVE CONNECTIONS
FIT A 3 CORE 6MM CABLE

'C' CONNECTOR



CHANGING FROM SINGLE PHASE TO THREE PHASE = REMOVE THE 2 'C' CONNECTORS
AND FIT 3 PHASE CABLE (5 CORE 2.5MM)



899 WO

MOD 40

HYDRO 850/900

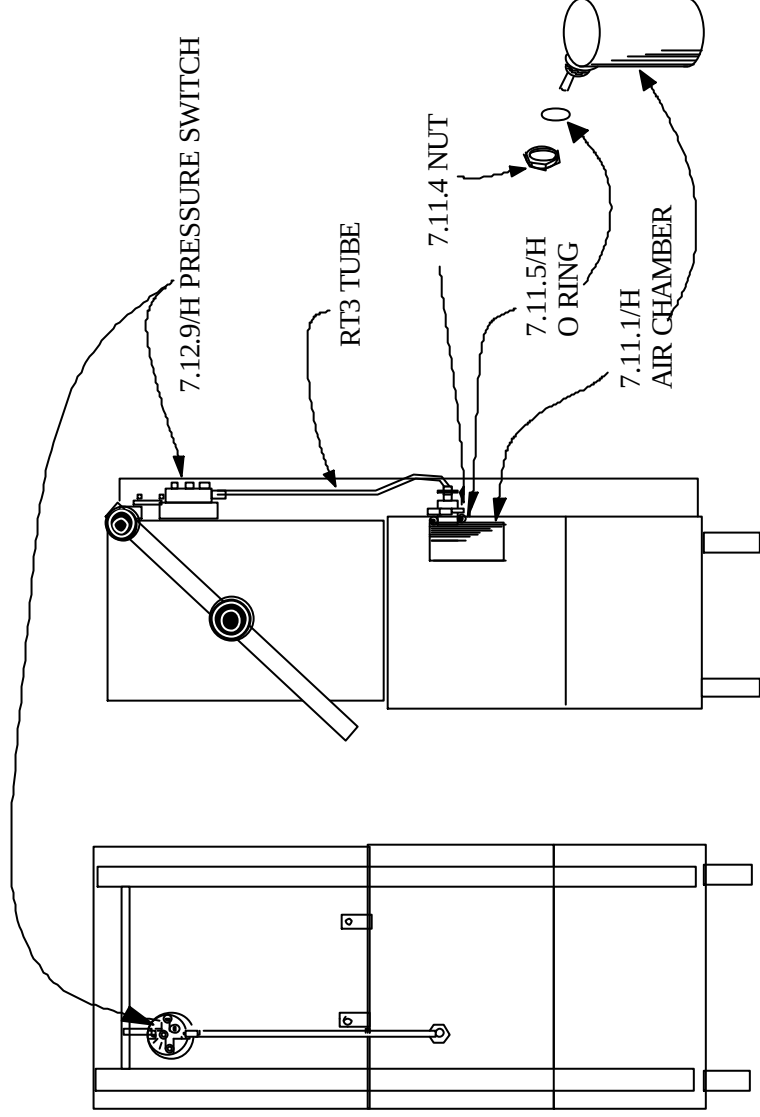
APRIL 1999
PRODUCTION CHANGE
CHANGE OF AIR CHAMBER &
PRESSURE SWITCH ASSEMBLY.

- NEW PARTS
- | | |
|---------------------|----------|
| 1 X PRESSURE SWITCH | 7.12.9/H |
| 1 X SEAL | 7.11.5/H |
| 1 X AIR CHAMBER | 7.11.1/H |

THESE CHANGES HAVE OCCURRED TO ASSIST THE SERVICE ENGINEER AS THE PRESSURE SWITCH IS NOW FITTED HIGHER UP THE INSIDE OF THE BACK PANEL AND CAN NOW BE CHANGED BY REMOVING ONLY THE TOP SECTION OF THE REAR PANEL.

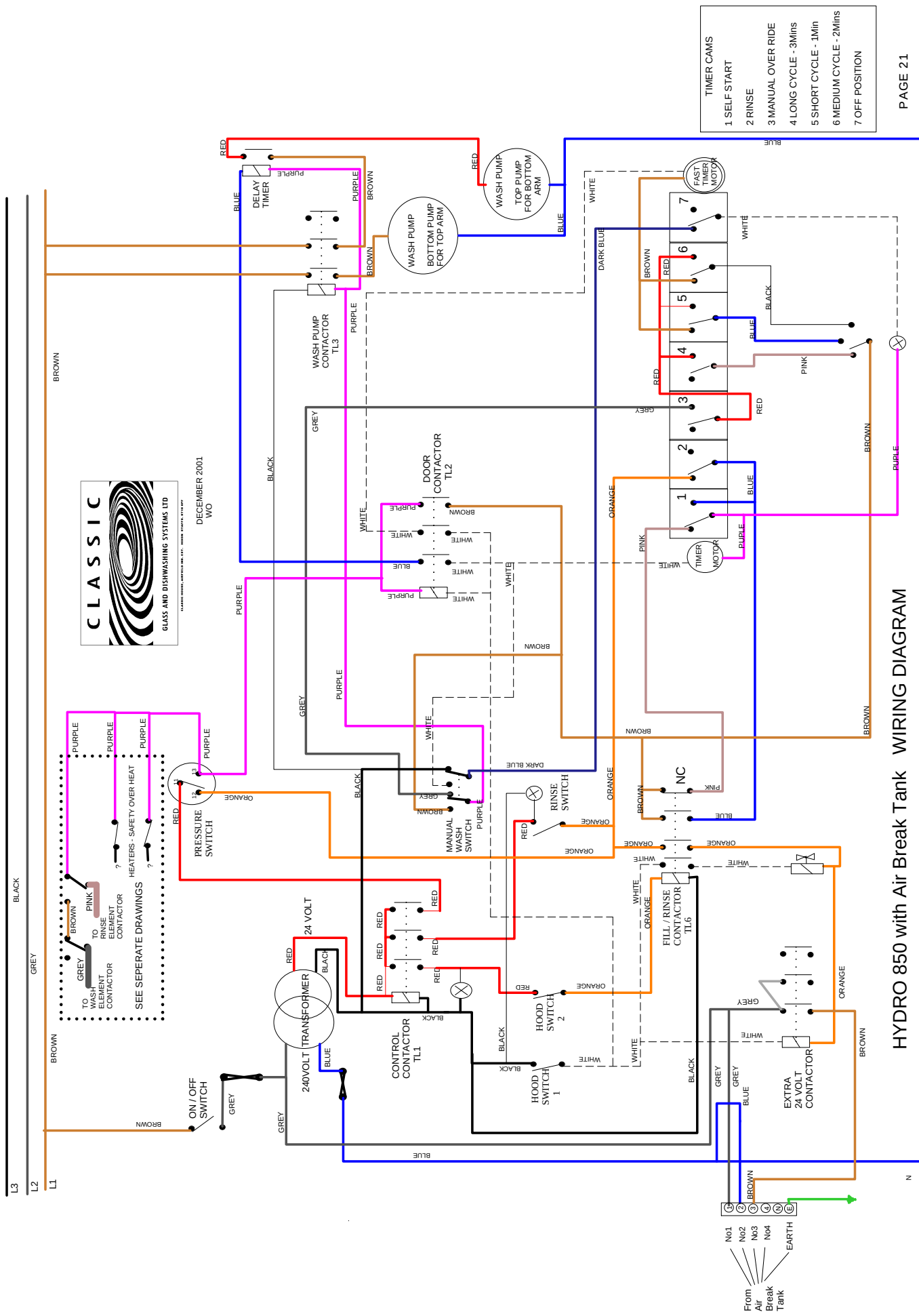
PLEASE NOTE:

The assembly is not a 'retro' fit exercise, as the fittings are different and the pressure switch has different settings.



REAR VIEW
OF MACHINE

SIDE VIEW
OF MACHINE



BLANK