

Changing a Main board on a dryer

Write down all setpoints before turning power off.

413731 A

JUMPER	1	2	3	4	5	6
1	2	3	4	5	6	7
2	3	4	5	6	7	8
3	4	5	6	7	8	9
4	5	6	7	8	9	10
5	6	7	8	9	10	11
6	7	8	9	10	11	12
7	8	9	10	11	12	13
8	9	10	11	12	13	14
9	10	11	12	13	14	15
10	11	12	13	14	15	16
11	12	13	14	15	16	17
12	13	14	15	16	17	18
13	14	15	16	17	18	19
14	15	16	17	18	19	20
15	16	17	18	19	20	21
16	17	18	19	20	21	22
17	18	19	20	21	22	23
18	19	20	21	22	23	24
19	20	21	22	23	24	25
20	21	22	23	24	25	26
21	22	23	24	25	26	27
22	23	24	25	26	27	28
23	24	25	26	27	28	29
24	25	26	27	28	29	30
25	26	27	28	29	30	31
26	27	28	29	30	31	32
27	28	29	30	31	32	33
28	29	30	31	32	33	34
29	30	31	32	33	34	35
30	31	32	33	34	35	36
31	32	33	34	35	36	37
32	33	34	35	36	37	38
33	34	35	36	37	38	39
34	35	36	37	38	39	40
35	36	37	38	39	40	41
36	37	38	39	40	41	42
37	38	39	40	41	42	43
38	39	40	41	42	43	44
39	40	41	42	43	44	45
40	41	42	43	44	45	46
41	42	43	44	45	46	47
42	43	44	45	46	47	48
43	44	45	46	47	48	49
44	45	46	47	48	49	50
45	46	47	48	49	50	51
46	47	48	49	50	51	52
47	48	49	50	51	52	53
48	49	50	51	52	53	54
49	50	51	52	53	54	55
50	51	52	53	54	55	56
51	52	53	54	55	56	57
52	53	54	55	56	57	58
53	54	55	56	57	58	59
54	55	56	57	58	59	60
55	56	57	58	59	60	61
56	57	58	59	60	61	62
57	58	59	60	61	62	63
58	59	60	61	62	63	64
59	60	61	62	63	64	65
60	61	62	63	64	65	66
61	62	63	64	65	66	67
62	63	64	65	66	67	68
63	64	65	66	67	68	69
64	65	66	67	68	69	70
65	66	67	68	69	70	71
66	67	68	69	70	71	72
67	68	69	70	71	72	73
68	69	70	71	72	73	74
69	70	71	72	73	74	75
70	71	72	73	74	75	76
71	72	73	74	75	76	77
72	73	74	75	76	77	78
73	74	75	76	77	78	79
74	75	76	77	78	79	80
75	76	77	78	79	80	81
76	77	78	79	80	81	82
77	78	79	80	81	82	83
78	79	80	81	82	83	84
79	80	81	82	83	84	85
80	81	82	83	84	85	86
81	82	83	84	85	86	87
82	83	84	85	86	87	88
83	84	85	86	87	88	89
84	85	86	87	88	89	90
85	86	87	88	89	90	91
86	87	88	89	90	91	92
87	88	89	90	91	92	93
88	89	90	91	92	93	94
89	90	91	92	93	94	95
90	91	92	93	94	95	96
91	92	93	94	95	96	97
92	93	94	95	96	97	98
93	94	95	96	97	98	99
94	95	96	97	98	99	100

LOCATION	AM'T	PART NO.	DESCRIPTION
P1	1	xxx	RIBBON CABLE PLUG TO EXPANDER BOARD
P2	1	413905	RIBBON CABLE PLUG TO DISPLAY BOARD
P3	1	xxx	6 PIN PC PLUG
P4,5,6	3	xxx	10 PIN PC PLUG
P7	1	xxx	2 PIN PC PLUG
P7	1	xxx	12 PIN PC PLUG
U2	1	413892	EPROM CHIP, 27C512
U12	1	xxx	PIC
U16-U25	8	411282	DPA4111 AC SWITCH CHIP
U26, U27	2	412682	PC817 OPTO ISOLATOR
U28-U35	8	xxx	MID400 SWITCH CHIP

SYM.	AM'T	PART NO.	DESCRIPTION
MAIN CONTROL BOARD (DRYER)			
MIQUEST			
THORESON McCOSH			
1885 THUNDERBIRD ST. TROY, MICHIGAN			
PH. 248-362-0960 FAX 248-362-5270			
SCALE	DATE	DR. BY	DRAWING NO.
NOT TO SCALE	07-22-98	G L K	413731-A

- 1) Disconnect power from the dryer.
- 2) Unplug the P5,P6,P7, terminal blocks and the Ribbon cable at P2.
- 3) If unit has SPI option (P3) or R8I/O connected (P1) disconnect these as well.
- 4) Remove the 4 corner screws from the board. (Some boards will also have a 5th screw in the middle of the board.
- 5) Gently pry the EPROM chip (U2) from the old board.
- 6) Press the EPROM chip into the new board at location U2. Ensure the notch in the chip lines up with the notch in the silkscreen on the board. **(NOTE: IF THE CHIP IS PUT IN BACKWARDS, THE CHIP WILL BE DAMAGED WHEN POWER IS APPLIED.)**
- 7) Plug the terminal blocks and the ribbon cable into the new board.
- 8) Reconnect power and turn the unit on. All of the setpoints will need to be reset before using for production.