RETURN

OMAS
Food machinery

TECHNICAL INFORMATION no. 035

MACHINE: **SLICER** MODEL: **CX Matic - GL Matic**

SUBJECT: **ELECTRONIC PCB - POSSIBLE FAILURES**

IMPORTANT: BEFORE STARTING ANY CONTROL, PLEASE TURN **ON** THE DIP SWITCH 15

Possible problems	Checks	Blade motor	Carriage motor	Position of carriage handle	Push-button: Blade	Push-button: Plate	LED no.		Parts to check	Pos. no.
1) Blade motor does not run	A						1	Off	1° Fuses 2° Power cable 3° Trasformer on PCB 4° Printed circuit board	14A-14B 19 16 18
								On	Go to check point B	
	B						3	Off	Connection of the bladecover microswitch and sharpener microswitch	32
								On	Go to checkpoint C	
	C				28		4	Off	Replace the pushbutton	28
								On	1° Relay 2° Copacitor 3° Blade motor	17 21 20
2) The blade rotates whereas the carrige does not move	A	ON		Automatic			6	Off	Carriage microswitch	31-36
								On	Go to checkpoint B	
	B	ON		Automatic		30	8	Off	Carriage start pushbutton	30
								On	Go to checkpoint C	
	C	ON		Automatic		30	11A	Off	Replace the PCB	18
								On	1° Integrated circuit MOC 3040 2° Printed circuit board 3° Carriage motor	13 18 25
3) The blade rotates and the carriage starts and stops at the end of the stroke beyond the blade	A	ON	ON	Automatic			9	Always Off	Replace the microswitchs of stroke end	26
								On the stroke end	Go to check point B	
	B	ON	ON	Automatic			11B		Turn the stroke adjustement knob to the maximum stroke	34
								Off	Replace the printed circuit board	18
								On *	Replace the first integrated circuit MOC 3040	12

*Generally in this position the lamp lights only for a few TENTHS of a SECOND

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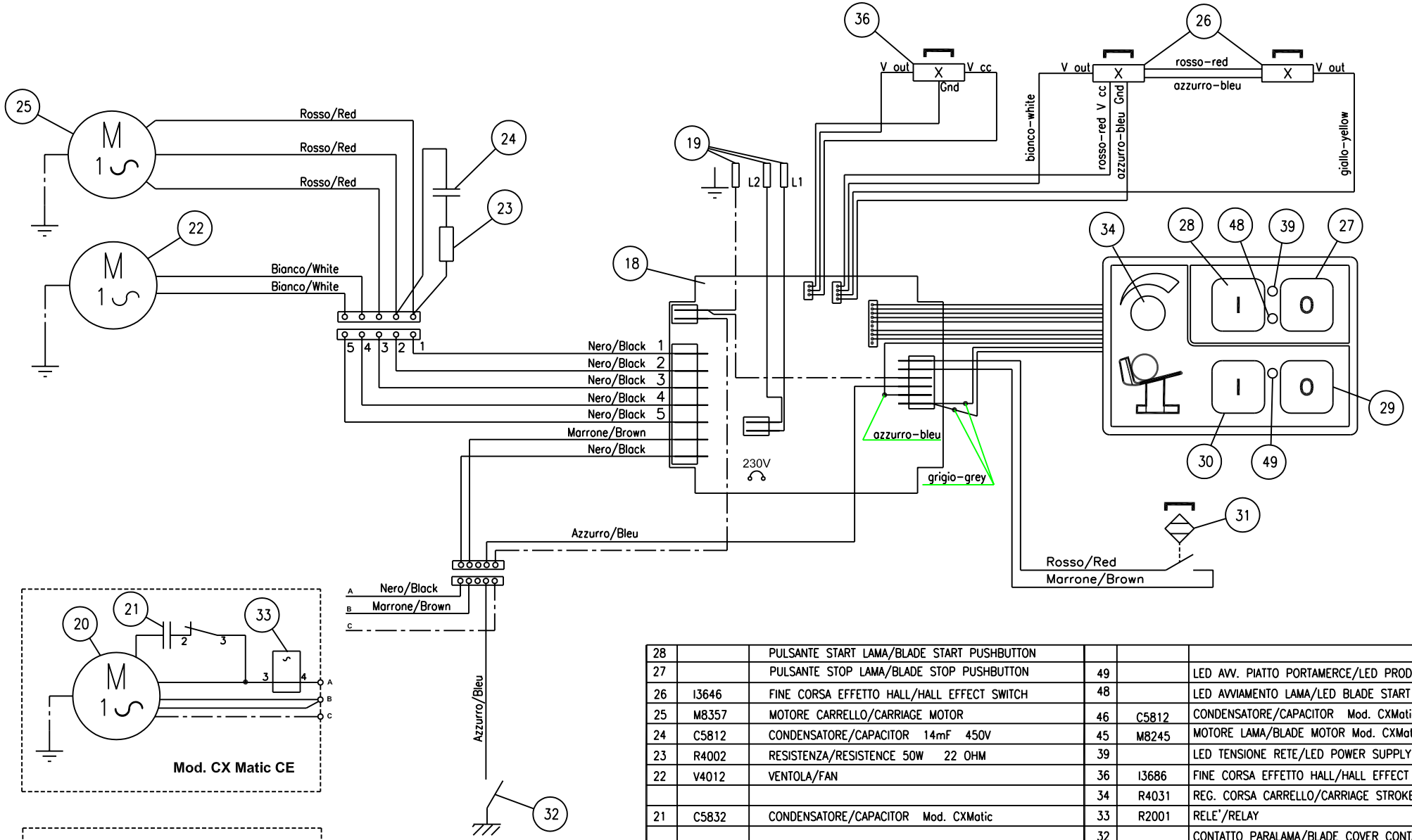
Possible problems	Checks	Blade motor	Carriage motor	Position of carriage handle	Push-button Blade	Push-button Plate	LED no.		Parts to check	Pos. no.
4) The blade rotates the carriage goes toward the blade, comes back and stops at the end of its stroke	A	Off	Off	Manual			10		Manualy slide the carriage to the stroke end toward the operator	
								Always Off	Replace limit switches	26
								On at the stroke end	Goto checkpoint B	
	B	On	On	Automatic			11B	Off	Replace the printed board circuit	18
5) Both the blade and the carriage run, but the carriage does not stop	A	On	On	Automatic		29	7	Off	Replace the button "Stop plate"	29
								On	Replace the printed board circuit	18
6) The blade motor does not stop	A	On			27		5	Off	Replace the button "Stop plate"	27
								On	1st Relay Printed board circuit	17 18
If the machine is fitted whit optional **OPT. no. 3** (Slicer counter), and the problems are due to the positions N 27-28-29-30-34 replace the printed board circuit **I 1602**										
7) The carriage does not stop when the slice counter display is at zero	A	ON	ON	Automatic			7	Off	Check the pilot lamp when the slicer counter reaches zero	
									Replace the whole push-button assembly	37
								On	Replace the printed board circuit	18



28		PULSANTE START LAMA/BLADE START PUSHBUTTON			
27		PULSANTE STOP LAMA/BLADE STOP PUSHBUTTON	49		LED AVV. PIATTO PORTAMERCE/LED PRODUCT HOLDER START
26	I3646	FINE CORSA EFFETTO HALL/HALL EFFECT SWITCH	48		LED AVVIAMENTO LAMA/LED BLADE START
25	M8357	MOTORE CARRELLO/CARRIAGE MOTOR	46	C5812	CONDENSATORE/CAPACITOR Mod. CXMatic
24	C5812	CONDENSATORE/CAPACITOR 14mF 450V	45	M8245	MOTORE LAMA/BLADE MOTOR Mod. CXMatic
23	R4002	RESISTENZA/RESISTENCE 50W 22 OHM	39		LED TENSIONE RETE/LED POWER SUPPLY
22	V4012	VENTOLA/FAN	36	I3686	FINE CORSA EFFETTO HALL/HALL EFFECT SWITCH
			34	R4031	REG. CORSA CARRELLO/CARRIAGE STROKE ADJUSTMENT
21	C5832	CONDENSATORE/CAPACITOR Mod. CXMatic	33	R2001	RELE'/RELAY
			32		CONTATTO PARALAMA/BLADE COVER CONTACT
20	M8469	MOTORE LAMA/BLADE MOTOR Mod. CXMatic	31	I3647	MICROINTERRUTTORE CARRELLO/CARRIAGE MICROSWITCH
19	C6081	CAVO ALIMENTAZIONE/PLUG CORD	30		PULSANTE START CARRELLO/CARRIAGE START PUSHBUTTON
18	I166309	SCHEDA ELETTRICA/PRINTED CIRCUIT BOARD	29		PULSANTE STOP CARRELLO/CARRIAGE STOP PUSHBUTTON
POS.	CODICE/P.N.	DESCRIZIONE/DESCRIPTION	POS.	CODICE/P.N.	DESCRIZIONE/DESCRIPTION

N° DISEGNO	DATA	MACCHINA
S2276	12-12-00	CX MATIC CE CXD MATIC
TENSIONE: 230V-50Hz		

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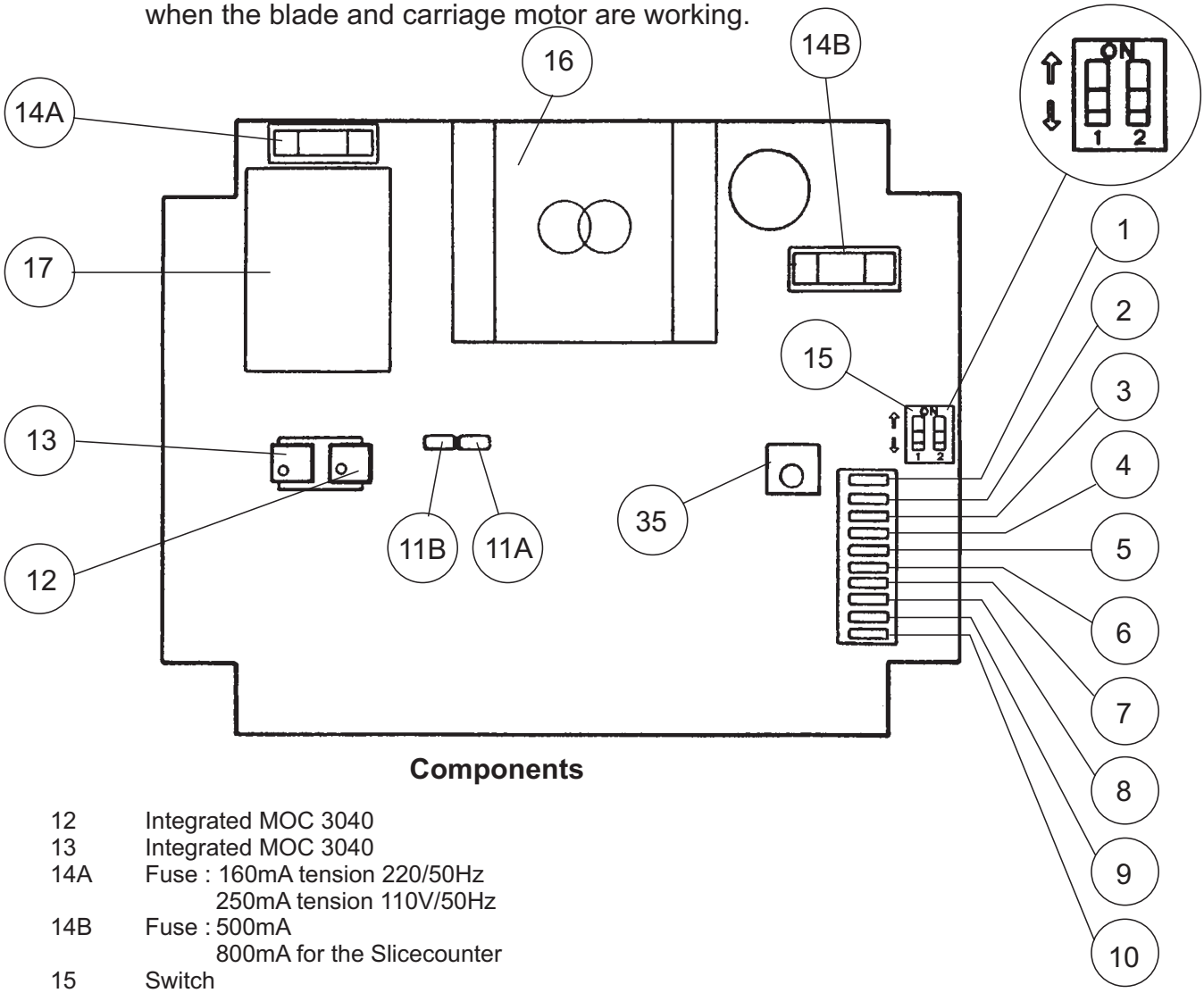
14/01/05

CONTROL OF THE FUNCTIONS

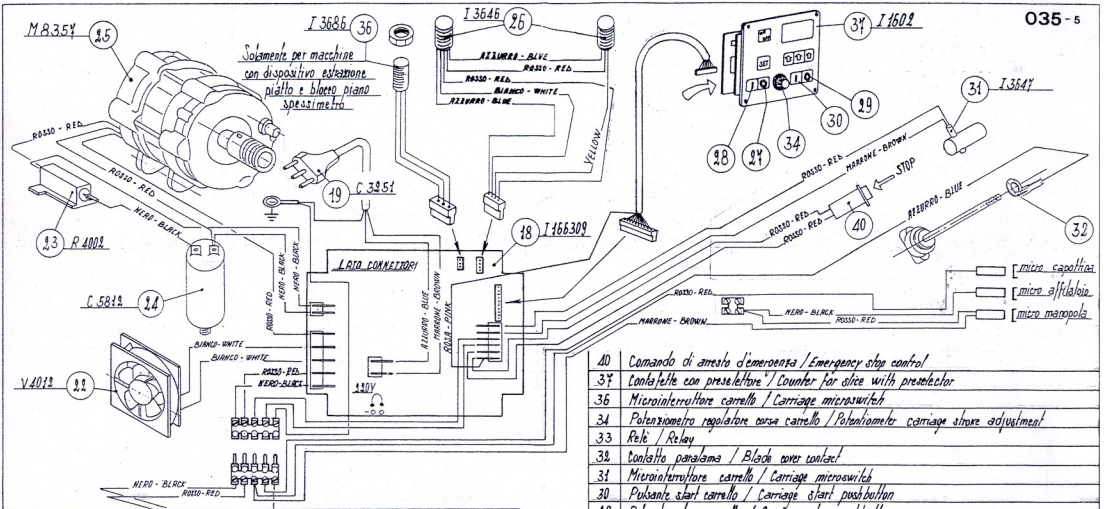
The control is effected by sliding the DIP SWITCH no. 15 to position ON

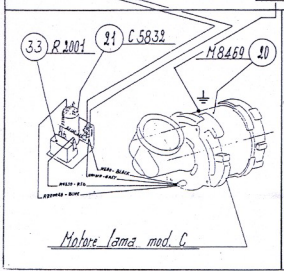
Illuminated indicator no.	Description of the function
1	Mains power applied to the board.
2	Emergency stop control if fitted on the slicer.
3	Blade cover microswitch and sharpener microswitch when both of them are fitted on the machine.
4	Blade motor start pushbutton.
5	Blade motor stop pushbutton.
6	Proximity microswitch on the handle "MANUAL-AUTOMATIC"; it can be checked only with the blade motor on.
7	Carriage motor stop pushbutton; it can be checked only with the blade motor on.
8	Carriage motor start pushbutton; it can be checked only with the blade motor on.
9	Carriage end stroke on the blade side.
10	Carriage end stroke on the operator side.
11A	Board electronic side; it illuminates when the blade and carriage motor are working.
11B	Board electronic side when the carriage returns towards the operator; it illuminates when the blade and carriage motor are working.

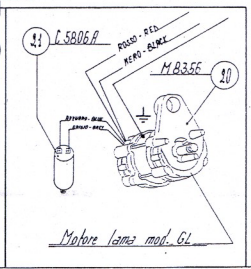


Components

12	Integrated MOC 3040
13	Integrated MOC 3040
14A	Fuse : 160mA tension 220/50Hz 250mA tension 110V/50Hz
14B	Fuse : 500mA 800mA for the Slicecounter
15	Switch
16	Transformer
17	Relay
35	Trimmer to adjust the carriage stroke







40	Comando di arresto d'emergenza / Emergency stop control
37	Contafette con preselettore / Counter for slice with preselector
36	Microinterruttore carrello / Carriage microswitch
34	Potenziometro regolatore corsa carrello / Potentiometer carriage stroke adjustment
33	Relè / Relay
32	Contatto paralama / Blade cover contact
31	Microinterruttore carrello / Carriage microswitch
30	Pulsante start carrello / Carriage start pushbutton
29	Pulsante stop carrello / Carriage stop pushbutton
28	Pulsante start lama / Blade start pushbutton
27	Pulsante stop lama / Blade stop pushbutton
26	Fine corsa effetto Hall / Hall effect switch
25	Motore carrello / Carriage motor
24	Condensatore 14 mf 450 VL / Capacitor 14 mf 450 VL
23	Resistenza 50 Watt 22 Ohm / Resistence 50 Watt 11 Ohm
22	Ventola / Fan
21	Condensatore / Capacitor
20	Motore lama / Blade motor
19	Cavo alimentazione / Plug cord
18	Scheda / Printed circuit board
Pos.	DESCRIZIONE / DESCRIPTION

SCHEMA DI CABLAGGIO 220V - 50Hz | CYMATIC - GL MATIC CONTAFETTE CON PRESELETTORE | 4 - 10 - 96