



Service Manual

Micro-wave-oven

AVM 210 WH

Model AVM 210 WH

Version 8538 210 01291

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INTRODUCTION

Before leaving the factory each oven is carefully checked. It must however, be installed and used correctly.

Despite all the steps taken to make the oven safe, the safety is dependent on the correct installation and the fact the user understands how to use and maintain the oven.

The information in this section should be used as a reminder that the oven is safe and that anyone who uses it must first read the instructions for use in order to be able to use the oven correctly and obtain best results.

SAFETY

To avoid injury to yourself and damage to the appliance always work to the following rules when servicing an oven.

- Always disconnect the plug from the mains before starting work.
- If there is no plug switch off the electric supply at the control box.
- When you have finished servicing an oven before you reconnect it to the mains, make sure that:
 - all the internal connections are correct
 - the wires are insulated and not touching the door or the cabinet or anything sharp
 - all the earth connections are electrically and mechanically sound
 - do not modify or anyway interfere with the safety devices built-in to the oven
 - make sure that each replacement part you use conforms to the manufacturer's specifications
- Do not start a repair if you have any doubt as to your ability to complete it.

CAUTION - MICROWAVE RADIATION

PERSONNEL SHOULD NOT BE EXPOSED TO THE MICROWAVE ENERGY WHICH MAY RADIATE FROM THE MAGNETRON, WAVEGUIDE OR ANTENNA IF THEY ARE IMPROPERLY USED OR CONNECTED. ALL INPUT AND OUTPUT MICROWAVE CONNECTIONS, WAVEGUIDES, FLANGES AND GASKETS MUST BE SECURE. NEVER OPERATE THE DEVICE WITHOUT A MICROWAVE ENERGY ABSORBING LOAD ATTACHED. NEVER LOOK INTO AN OPEN WAVEGUIDE OR ANTENNA WHILE THE DEVICE IS ENERGIZED. NEVER OPERATE AN OVEN WITH CABINET OFF WITHOUT MEASURING THE MICROWAVE LEAKAGE AROUND MAGNETRON AND VISIBLE MICROWAVE CONNECTIONS (WELDING JOINTS).

- Do not operate the oven if the following conditions exist:
 - the door does not close firmly against the door support because of the door being warped or the hinges damaged.
 - The door trims or seals are damaged.
 - If there is any visible damage to the oven.
 - if the door does not close properly.

Avoid operating the oven if known components in the interlock system, oven door or microwave generating assembly are known defective. They must be replaced.

WARNING - HIGH VOLTAGE

IT IS POSSIBLE TO COME IN CONTACT WITH LETHAL HIGH VOLTAGE WHEN WORKING WITH HV TRANSFORMER, HV CAPACITOR AND MAGNETRON. THEREFORE NEVER TRY TO MEASURE THE HIGH VOLTAGE. ALWAYS TAKE UTMOST CARE WHEN PERFORMING ELECTRIC MEASUREMENTS INSIDE THE OVEN.

1. Cabinet dimensions

Height	330	mm
Width	553	mm
Depth	485	mm

2. Cavity dimensions

Height	225	mm
Width	372	mm
Depth	390	mm
Volume	34	l
Turntable diameter	360	mm

3. Weight

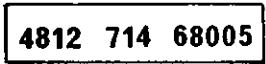
Net	23	kg
Packed	26	kg

4. Electrical details

Voltage	230-240/50	V/Hz
Power consumption	2600	W
Current consumption	11	A
Quarzgrill	1200	W
Output power microwave	950 +/- 50	W
Microwave frequency	2450	MHz
Fuse	16 (SA)	A
	13 (GB)	A
Timer	90	min. mec.

5. Accessories

Grill grid
Spacer
Crisp plate

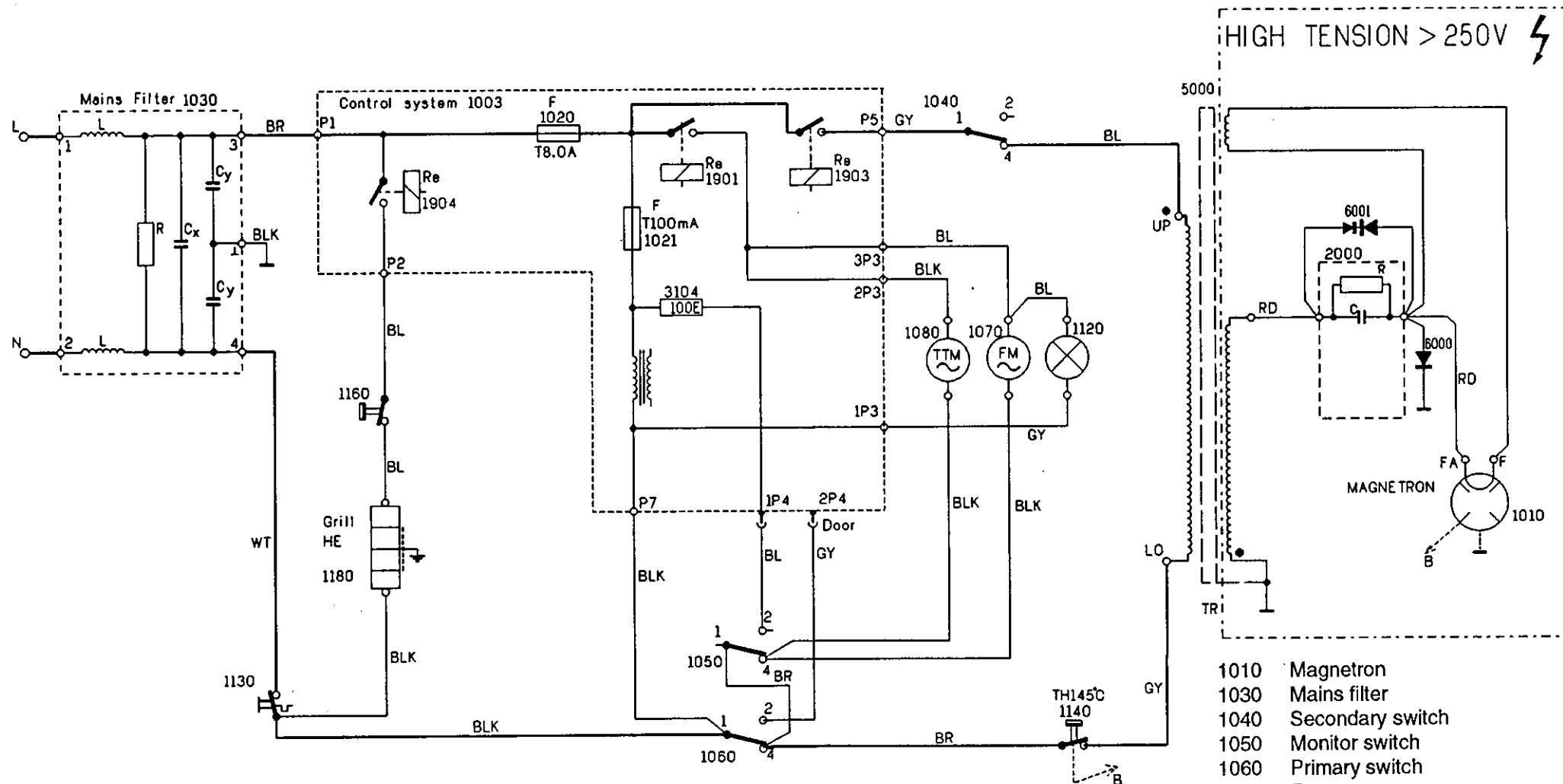


Model
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853821001291
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Pos. No.	12 NC Code	Description	from	to
001 1	4819 453 49874	Recipe guide General		
001 1	4819 453 49875	Recipe guide Europe		
002 0	4819 442 38042	Cabinet WH		
002 2	4819 462 79721	Cover upper		
002 2	4819 462 79722	Cover lower		
013 0	4819 462 79423	Foot		
041 0	4819 417 19384	Hinge oben		
041 1	4819 417 19379	Hinge, lower		
071 0	4819 466 98922	Casing		
100 0	4819 442 38041	Door cpl. WH		
110 0	4819 498 69967	Grip WH		
120 0	4819 442 38004	Door, inner		
121 0	4819 459 48662	Frame, breaker inner		
130 0	4819 276 38171	Unit, pushbutton cpl.		
130 1	4819 466 89172	Clip		
131 0	4819 535 98529	Door latch		
141 0	4819 450 69809	Oven glass WH		
143 0	4819 459 48669	Frame, breaker WH		
234 0	4819 442 38039	Plate, protect.		
244 0	4819 466 98789	Stand plastic		
245 0	4819 458 19981	Grid		
246 0	4819 418 38334	Plate		
246 1	4819 498 69875	Grip for crispplate not shown		
255 0	4819 466 78348	Turntable glass		
264 0	4819 535 78151	Crosspiece, drum turntable		
301 0	4819 276 38327	Unit, pushbutton WH		
301 1	4819 462 38751	Frame for pushbuttons not shown		
305 0	4819 404 78851	Holder		
320 0	4819 453 49813	Panel, control WH		
334 0	4819 412 58404	Knob WH		
334 1	4819 413 38126	Clip Knob inner		
352 0	4819 130 38072	Display		
352 1	4819 450 69808	Pane for Display		
355 0	4819 280 18019	Buzzer		
404 0	4819 131 58019	Magnetron		
404 1	4819 462 38742	Air guide magnetron		
406 0	4819 361 18292	Motor for rotary plate		
406 2	4819 532 68686	Gasket ring		
411 0	4819 148 68076	Transformer		
412 0	4819 145 78168	Transformer HT		
420 0	4819 121 48016	Capacitor HT		
420 1	4819 404 78839	Bracket capacitor		
421 0	4819 121 18162	Filter, mains		
426 0	4819 218 38039	Diode HV		
442 0	4819 361 18361	Motor Blower		
442 1	4819 462 58145	Cover fan		
442 2	4819 462 58146	Container fan		
443 0	4819 515 28224	Fan wheel		
452 0	4819 259 98385	Heating element quartz		
452 1	4819 404 78841	Holder quartz tube		
452 2	4819 458 58522	Reflector quartz tube		
452 3	4819 418 79082	Cover bar		
452 4	4819 532 58263	Washer		
452 5	4819 532 58262	Washer ceramic		
452 6	4819 458 58527	Air guide grill		

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485 0	4819 320 28023	Cable,HT HT		
485 2	4819 466 98742	Guide paper		
490 0	4819 321 18231	Cable,mains cpl. with clamp		
502 0	4819 214 78456	Control unit		
502 1	4819 209 88041	Microprocessor		
502 3	4819 101 48142	Potentiometer		
521 1	4819 113 88001	Resistor 100 Ohm		
561 0	4819 282 48276	Thermostat 120C		
562 0	4819 282 48277	Thermostat 160C		
564 0	4819 282 48275	Thermostat 165C		
617 0	4819 280 68323	Relay 24V		
622 0	4819 276 18273	Switch		
633 0	4819 271 38145	Microswitch		
651 0	4819 134 28029	Lamp cavity		
743 0	4819 462 38749	Air guide		
912 2	4819 502 18369	Screw		
915 0	4819 505 18315	Nut		
971 0	4819 253 38019	Fuse T8 A		
972 0	4819 253 38006	Fuse T100mA		

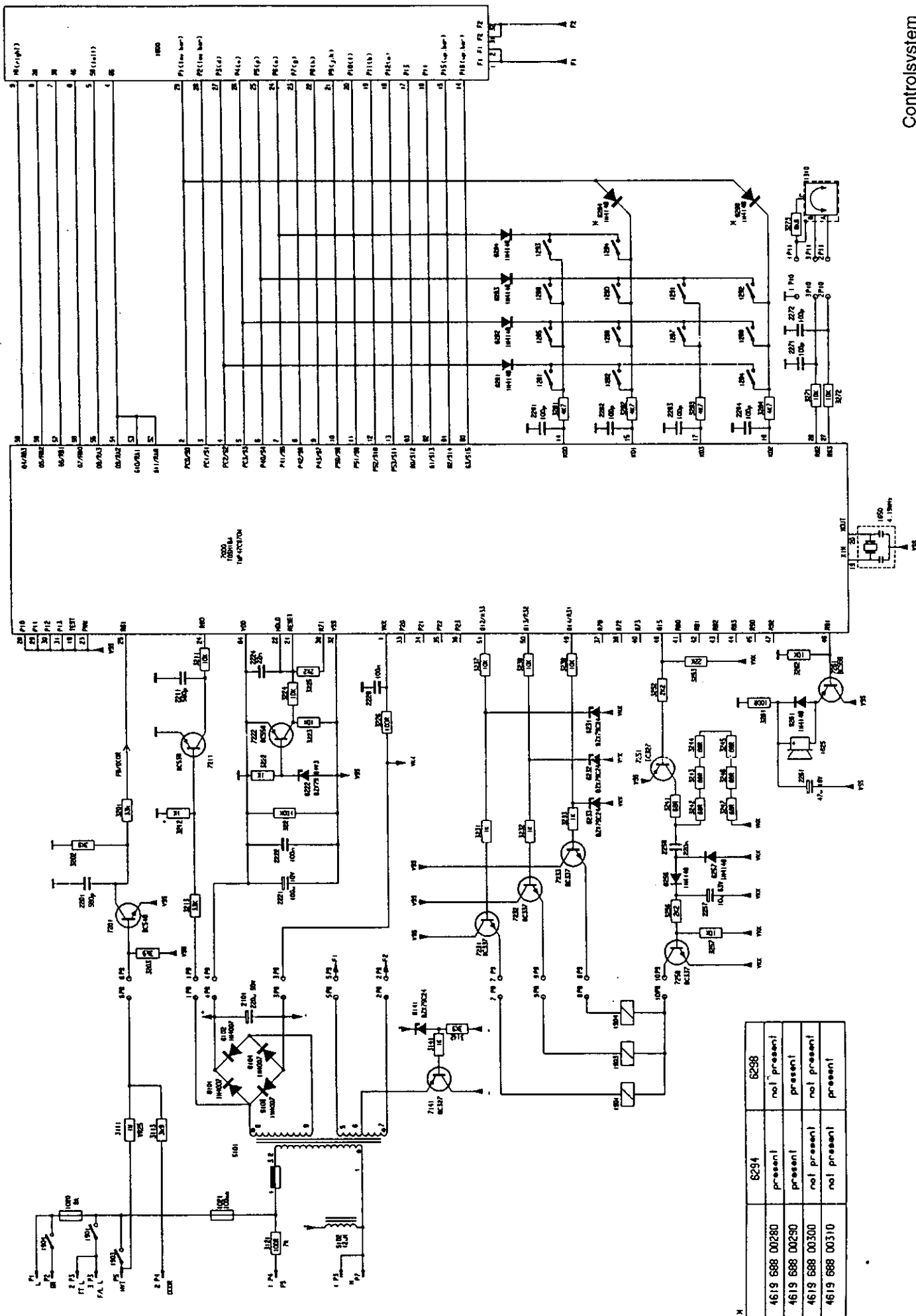


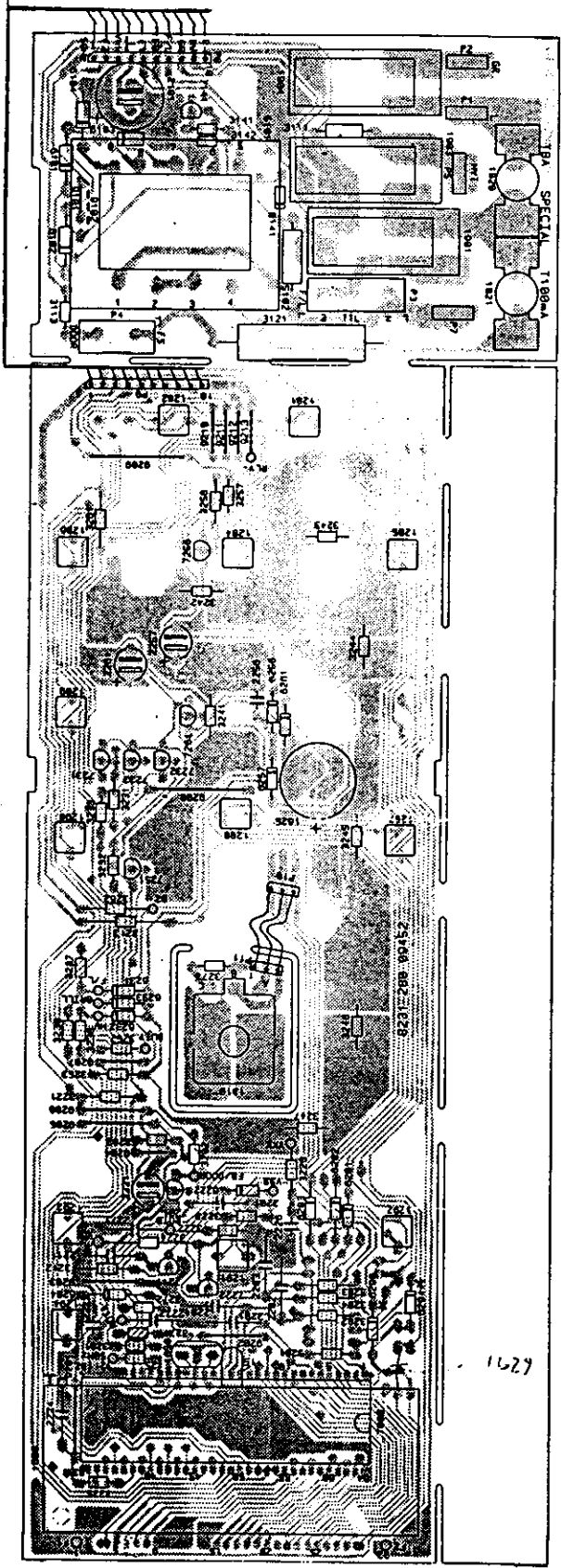
COLOUR CODE	FARBKODE	CODE DE COULEUR	
YW	YELLOW	GELB	JAUNE
WT	WHITE	WEISS	BLANC
RD	RED	ROT	ROUGE
GY	GREY	GRAU	GRIS
BR	BROWN	BRAUN	BRUN
BLK	BLACK	SCHWARZ	NOIR
BL	BLUE	BLAU	BLEU

1040=Secondary doorswitch
 1050=Monitor doorswitch
 1060=Primary doorswitch

OVEN IN OFF POSITION
 WITH DOOR CLOSED
 HERD ABGESCHATET
 TÜR GESCHLOSSEN
 FOUR DEBRANCHE
 PORTE FERMÉ

- 1010 Magnetron
- 1030 Mains filter
- 1040 Secondary switch
- 1050 Monitor switch
- 1060 Primary switch
- 1070 Fan motor
- 1080 Turntable motor
- 1120 Cavity lamp
- 1130 Thermostat cavity
- 1140 Thermostat magnetron
- 1160 Thermostat grill
- 1180 Grill
- 2000 HT capacitor
- 5000 HT transformer
- 6000 HT diode





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	6294	6298
4619 688 00280	present	not present
4619 688 00290	present	present
4619 688 00300	not present	not present
4619 688 00310	not present	present