



Service Manual

Microwave oven

MT 242 WH

Model Version		Page
	MT 242 WH 8538 242 38291	
	Introduction safety	2
	Technical data	3
	Spare part list	4
	Exploded view	5
	Wiring diagram	6
	Program diagram	7 - 8

Introduction safety

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.

Technical data**Dimensions**

Height	320	mm
Width	530	mm
Depth	450	mm

Weight

Net	20	Kg
Packed	23	Kg

Supply Connection

Europe	230 V	50 Hz 16 A
UK	240 V	50 Hz 13 A
Australia	240 V	50 Hz 10 A
Hong Kong	220 V	50 Hz 13 A

Power Limitation

DK, CH, S	2300 W, 10 A
UK	3000 W, 13 A
Australia	10 A , 240 V

Heat Sources

Output power	950 W	Australia
	800 W	
Microwave frequency	2450 MHz	

Grill

900 W

Timer

5 sec. - 90 min.

Spare part list

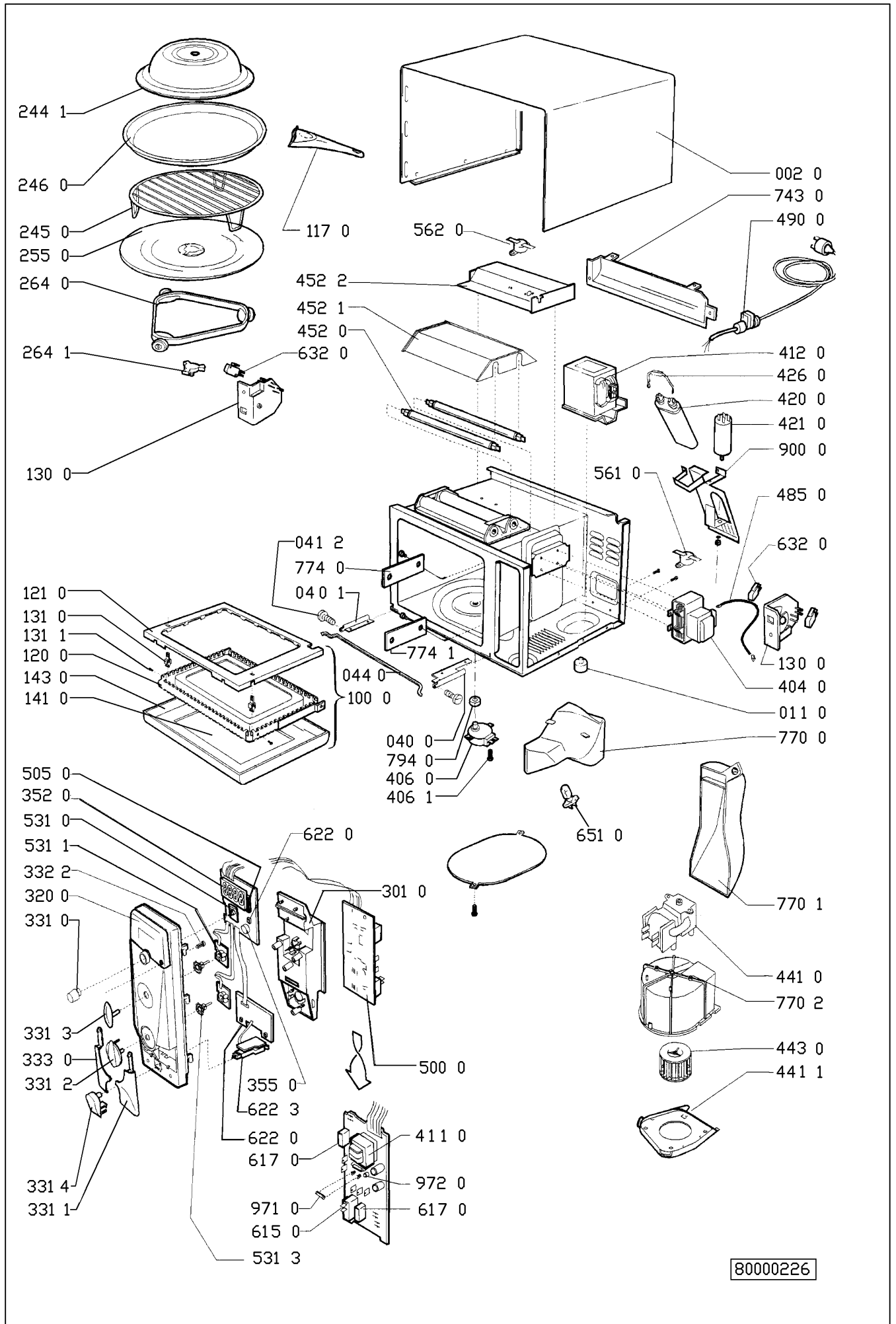
Model
Service No.
Version

MT 242 WH
853824238291
853824238291

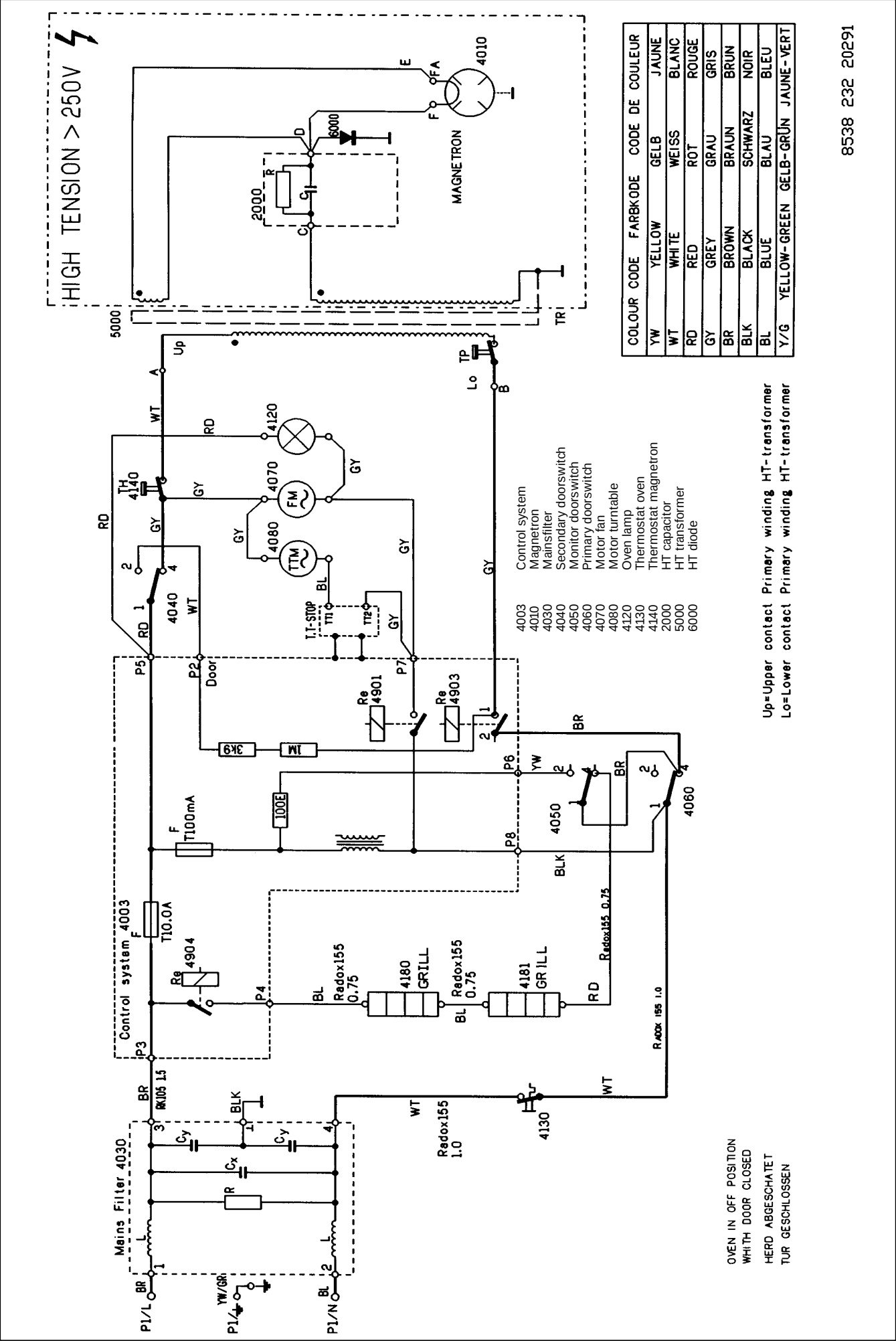
Pos. No.	12NC Code	Description
002 0	4819 442 38912	Cabinet
011 0	4819 462 79423	Foot
040 0	4819 417 19548	Hinge right
040 1	4819 417 19547	Hinge left
041 2	4819 535 98354	Shaft
044 0	4819 492 48168	Spring
100 0	4819 442 38915	Door complete
117 0	4819 498 78193	Handle crisp
120 0	4819 442 38917	Door,inner
121 0	4819 459 48832	Frame door inner
130 0	4819 404 79332	Unit,pushbutton for doorswitch
131 0	4819 535 38153	Lock door
131 1	4819 502 18402	Screw loock door,
141 0	4819 450 58203	Oven glass
143 0	4819 459 48847	Frame outer
244 1	4819 466 89229	Cover
245 0	4819 458 68122	Grid
246 0	4819 418 79756	Crisp plate medium
255 0	4819 466 78405	Turntable
264 0	4819 535 79159	Rail
264 1	4819 462 38767	Crosspiece
301 0	4819 404 79397	Holder
320 0	4819 453 58948	Control panel white
331 0	4819 412 58619	Knob timer
331 1	4819 410 28934	Button stop
331 2	4819 412 58683	Knob feature
331 3	4819 412 58682	Knob power
331 4	4819 410 28936	Button tt-stop
332 2	4819 410 28924	Button clockset
333 0	4819 410 28932	Button start
352 0	4819 130 38081	Display
355 0	4819 280 18029	Buzzer
404 0	4819 131 58019	Magnetron
406 0	4819 361 18381	Motor TT
406 1	4819 502 18372	Screw for TT-Motor
411 0	4819 148 68085	Transformer
412 0	4819 145 78207	Transformer,HT
420 0	4819 121 38012	Capacitor HT
421 0	4819 121 18162	Filter,mains
426 0	4819 121 18265	Diode HV
441 0	4819 361 18361	Motor Blower
441 1	4819 462 38877	Inlet fan
443 0	4819 515 28224	Fan wheel
452 0	4819 259 98557	Infraredelement
452 1	4819 325 18123	Reflector
452 2	4819 325 18122	Plate / Holder
485 0	4819 320 28025	Cable,HT
490 0	4819 321 18231	Cable,mains cpl. with clamp
500 0	4819 214 78623	Control unit
505 0	4819 209 88064	Microprocessor
531 0	4819 101 48142	Potentiometer
531 1	4819 101 48148	Potentiometer
531 3	4819 492 68818	Spring
561 0	4819 282 48281	Thermostat for magnetron 125 C
562 0	4819 282 48275	Thermostat 165C

Pos. No.	12NC Code	Description
615 0	4819 280 68321	Relay
617 0	4819 280 68363	Relay
622 0	4819 276 18273	Switch VKS
622 3	4819 276 18373	Switch
632 0	4819 276 18336	Switch, door
651 0	4819 134 28029	Lamp cavity 240V - 25W
743 0	4819 462 38878	Casing
770 0	4819 462 38874	Air guide
770 1	4819 462 38875	Conveyor
770 2	4819 462 38876	Cap fan
774 0	4819 442 38914	Cover Mica plate upper
774 1	4819 462 88031	Plate mica large lower
794 0	4819 532 68686	Gasket ring
900 0	4819 404 78839	Bracket capacitor
971 0	4819 252 28125	Fuse 10A
972 0	4819 252 28121	Fuse T100mA

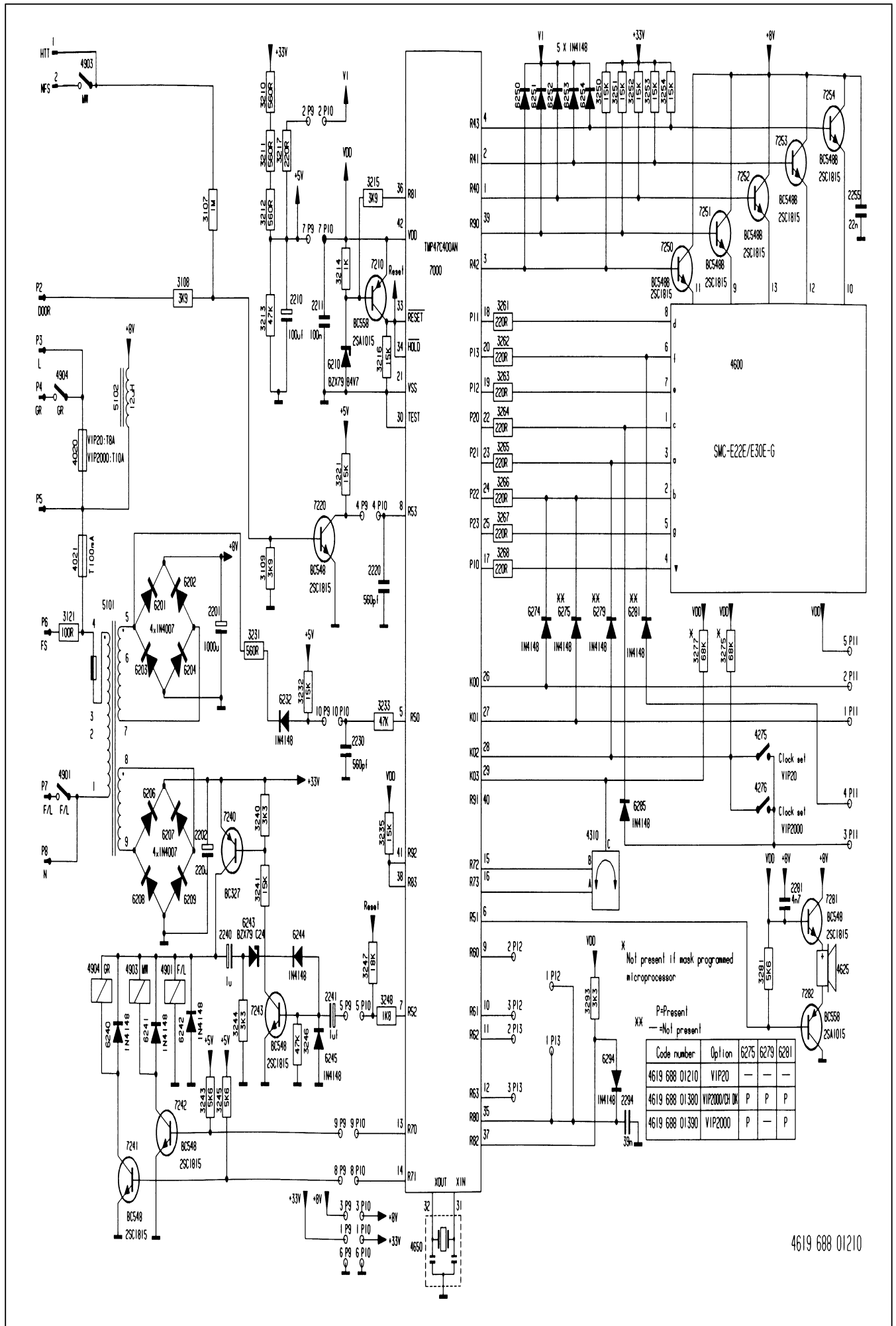
Exploded view



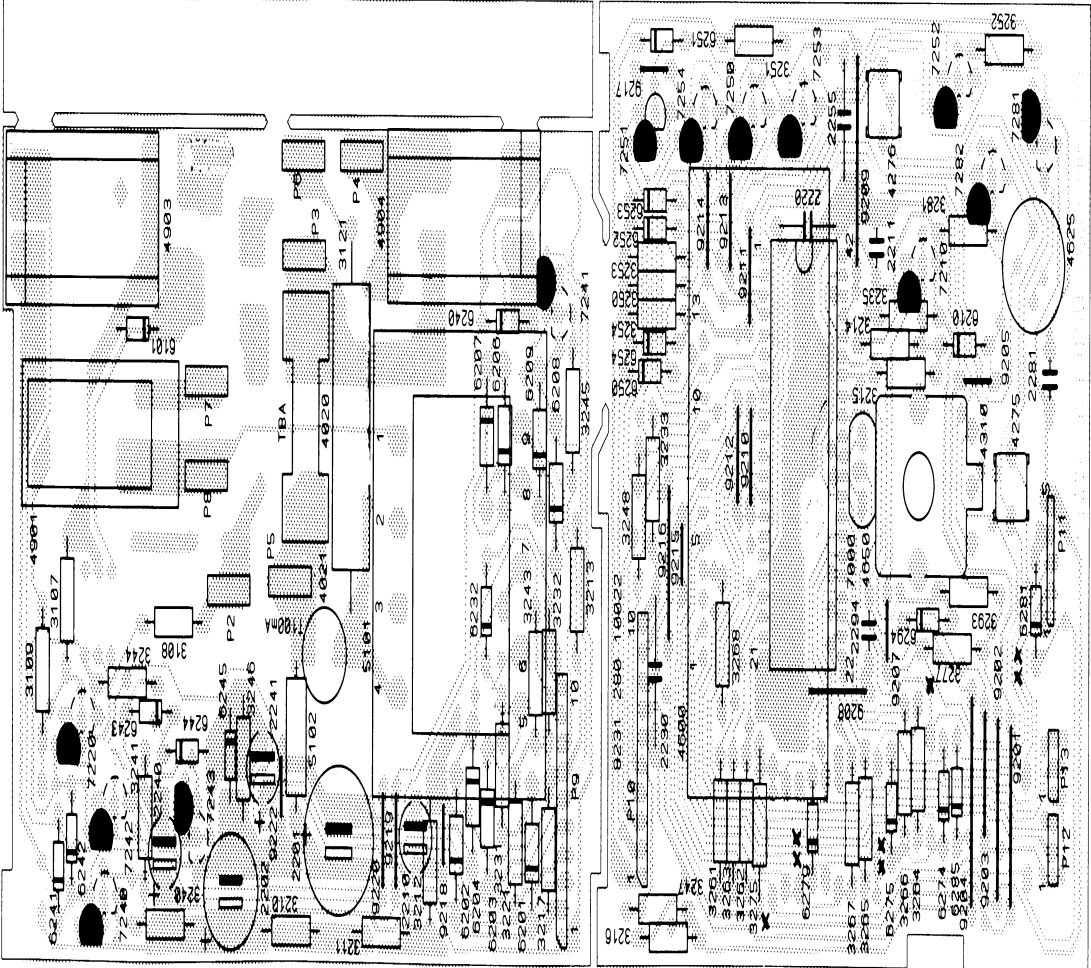
Wiring diagram



Program diagram



Program diagram



Pos. 4020 : VIP 20 T8A
VIP 2000 T10A

* Not present if mask programmed
microprocessor

** P = Present
— = Not present

Code number	Option	6275	6279	6281
4619 688 01210	VIP20	—	—	—
4619 688 01380	VIP2000/CH DK	P	P	P
4619 688 01390	VIP2000	P	—	P

4619 688 01210