



Service Manual

Microwave oven DMCG 2735 WS

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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 of cabinet**

Height	460	mm
Width	592	mm
Depth	550	mm

Dimensions of cavity

Height	240	mm
Width	345	mm
Depth	370	mm

Weight

Net	39	kg
Gross	46	kg

Electrical

Voltage	220-230	V
Frequency	50	Hz
Fuse	16	A
Timer control	mech.	
Power control	mech.	
Output power MW	850	W
Output power grill	2000	W
Output power forced air	1700	W
Input power MW + grill	3600	W
Input power MW + FA	3300	W
Input power MW	1600	W
Input power grill	2000	W
Input power forced air	1700	W
Microwave frequency	2450	MHz

Spare part list

Model
Service No.
Version

DMCG 2735 WS
855802101211
855802101211

Pos. No.	12NC Code	Description
000 1	4819 462 38711	Air guide WH not shown
001 1	4819 360 58462	Chamber,air
001 2	4819 492 68559	Lever
001 3	4819 462 48233	Cover,rubber
001 4	4819 401 18495	Clamp lifting arm,
001 5	4819 404 78405	Bracket
002 0	4819 440 59524	Plate protection bottom
002 1	4819 440 58901	Insulator
002 2	4819 325 18012	Insulation
002 3	4819 418 78445	Air guide not shown
011 0	4819 462 79297	Foot
011 1	4819 418 78446	Foot air channel
013 0	4819 492 68504	Spring for switch unit not shown
022 0	4819 440 59522	Plate side
022 1	4819 466 98679	Insulation side
024 0	4819 462 48231	Panel, rear
024 1	4819 466 88839	Plate,protect.
024 2	4819 440 58899	Bracket Back cover
024 3	4819 462 79298	Cover
024 4	4819 466 69759	Gasket border
030 0	4819 440 59523	Cabinet
030 1	4819 418 78838	Air guide assy BI-KIT
031 0	4819 460 89187	Profile top WH
031 1	4819 460 89188	Profile bottom WH
032 0	4819 460 78077	Batten side WH
041 0	4819 404 78053	Hinge (Balance arm)
044 0	4819 492 68509	Spring left
044 1	4819 492 68508	Spring right
044 2	4819 404 78054	Bracket
045 0	4819 528 78053	Bearing left
045 1	4819 535 98354	Shaft
045 2	4819 528 78064	Disc , bearing right
065 0	4819 325 18029	Insulation
065 1	4819 325 18031	Insulation right with probehole
065 2	4819 325 18011	Insulation back
100 0	4819 442 38508	Door cpl. WH
110 0	4812 498 78105	Door handle WH
120 0	4819 459 48456	Frame door inner
130 0	4819 528 38351	Cam
130 1	4819 404 78049	Hoop (slewing bracket)
245 0	4819 458 58348	Grating
246 0	4819 440 58906	Baking tray
247 0	4819 440 58905	Fat pan glass
247 1	4819 466 78163	Plate
251 0	4819 381 18151	Lamp glass
320 0	4819 453 58365	Control panel WH
334 0	4819 412 58261	Switch,toggle BL
341 0	4819 453 49005	Indication disc TH BL
342 0	4819 453 49004	Indication disc
350 0	4819 276 58015	Unit,pushbutton
352 0	4819 130 38044	Display
354 0	4819 134 48259	Lamp neon assy
354 1	4819 381 18149	Lens red
354 2	4819 130 38055	LED
355 0	4819 280 18019	Buzzer

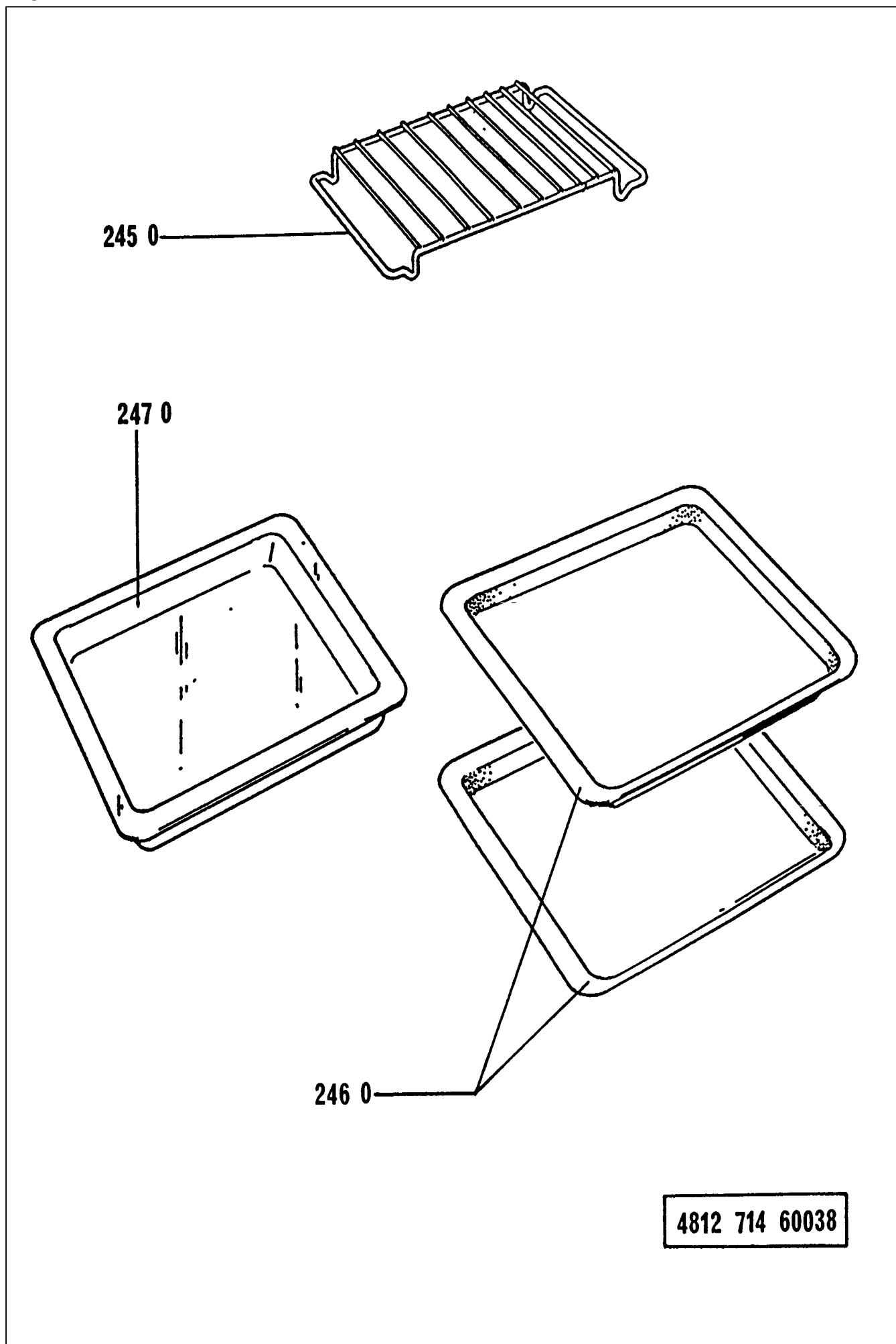
Pos. No.	12NC Code	Description
404 0	4819 131 58019	Magnetron
404 1	4819 440 58897	Air guide
411 0	4819 148 68039	Transformer
412 0	4819 148 68036	Transformer,HT
412 1	4819 462 79296	Grid,air
412 3	4819 532 58224	Lock washer, not shown
420 0	4819 124 28014	Capacitor 1,05 μ F 2100V
420 1	4819 404 78048	Air guide , holder for capacitor
420 2	4819 466 88841	Insulation
420 3	4819 466 88989	Plate,protect.
421 0	4819 121 18162	Filter,mains
426 0	4819 218 38038	Diode HV
440 0	4819 361 78148	Motor FA
440 1	4819 466 69758	Washer for Fa-motor not shown
442 8	4819 515 28192	Ventilator assambly
443 0	4819 515 28193	Fan wheel FA
451 0	4819 259 28634	Heating element hot air 1700W 230V
451 1	4819 458 58347	Air guide unfolded
452 0	4819 259 28703	Heating element grill 2000W 220V
452 1	4819 401 18584	Bracket porcelain
485 2	4819 466 98742	Cable
490 0	4819 321 18129	Cable,mains SA
502 0	4819 214 78316	Control unit
502 1	4819 209 88012	Integr.circuit
502 2	4819 466 98566	Spacebar
502 3	4819 209 88019	Microprocessor
502 4	4819 280 18027	Resonator Quarz
521 0	4819 214 78352	Control unit power
521 1	4819 404 78147	Bracket
521 2	4819 113 88001	Resistor 100 Ohm
521 3	4819 116 28002	Resistor
521 4	4819 404 78146	Bracket
521 5	4819 130 98002	Coupler not shown
521 6	4819 310 88224	Spring
554 0	4819 271 28652	Thermostat oven
554 1	4819 404 78404	Holder capillary tube
561 0	4819 271 28653	Thermostat
562 0	4819 271 28651	Thermostat
611 0	4819 280 68243	Relay 24V
620 0	4819 271 38117	Switch,oven
620 1	4819 440 59013	Bracket
620 2	4819 492 68558	Clip,fix
620 3	4819 404 78056	Bracket oven switch
620 4	4819 528 38369	Disc,cam
622 0	4819 276 18111	Microswitch VKS-switch
633 0	4819 271 38049	Microswitch
633 1	4819 325 28007	Insulation
633 2	4819 690 18129	Mechanism start
633 3	4819 505 18177	Nut for switch unit
650 0	4819 255 18182	Lampholder
650 1	4819 492 68507	Spring , cavity lamp
650 2	4819 380 28007	Reflector
651 0	4819 134 88142	Lamp Halogen
694 0	4819 264 38007	Bushing
694 1	4819 310 38672	Feeler

Spare part list

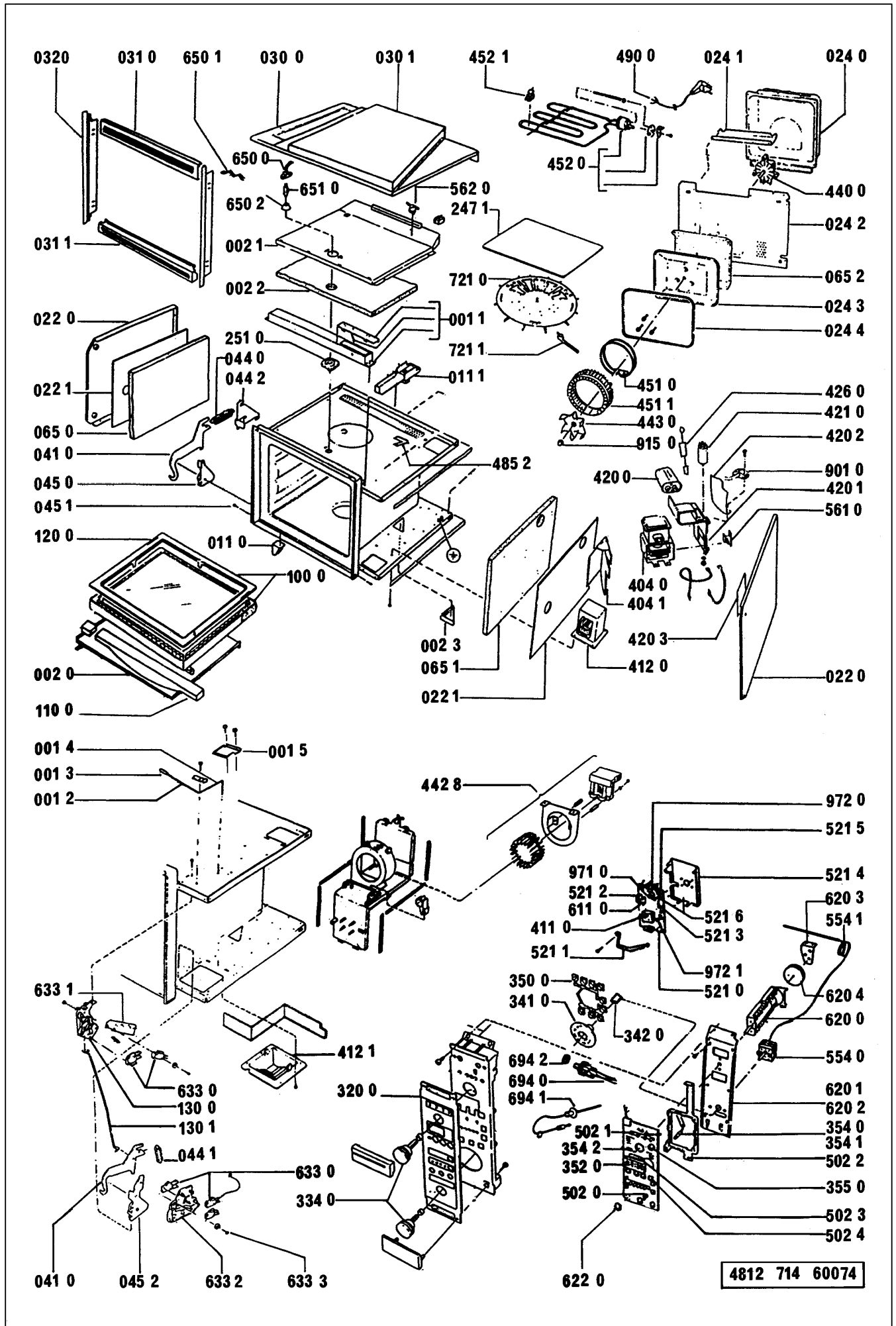
Model	DMCG 2735 WS
Service No.	855802101211
Version	855802101211

Pos. No.	12NC Code	Description
694 2	4819 466 69505	Stopper
721 0	4819 303 98021	Antenna
721 1	4819 303 98022	Antenna wing
901 0	4819 401 18492	Clamp not shown
901 0	4819 401 18494	Clamp
911 0	4819 502 38274	Screw for trafo M4x16St
915 0	4819 532 68489	Washer FA motor
971 0	4819 253 38019	Fuse T8 A
972 0	4819 253 38005	Fuse T200mA
972 1	4819 253 38011	Fuse T250mA special

Exploded view

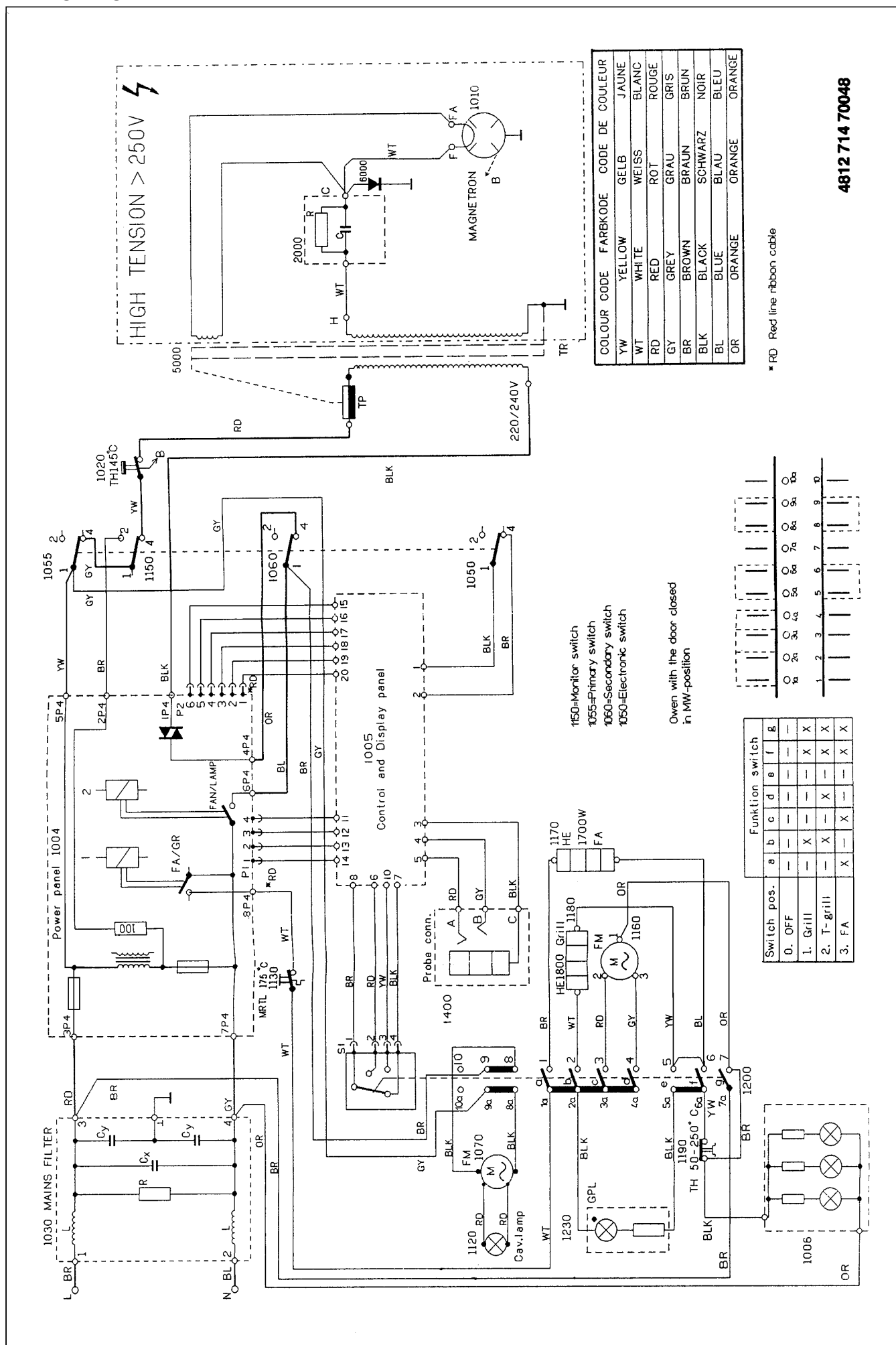


Exploded view



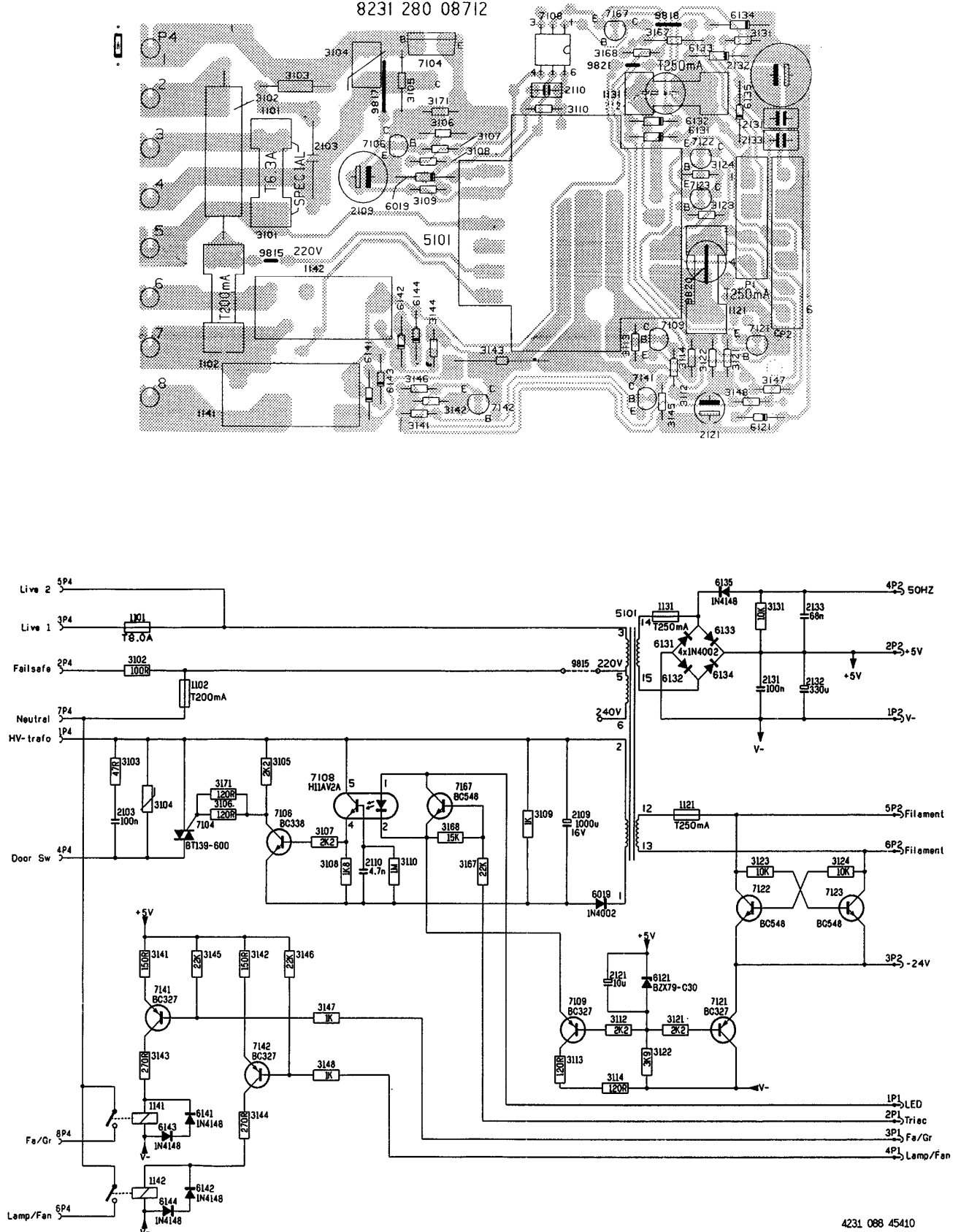
4812 714 60074

Wiring diagram

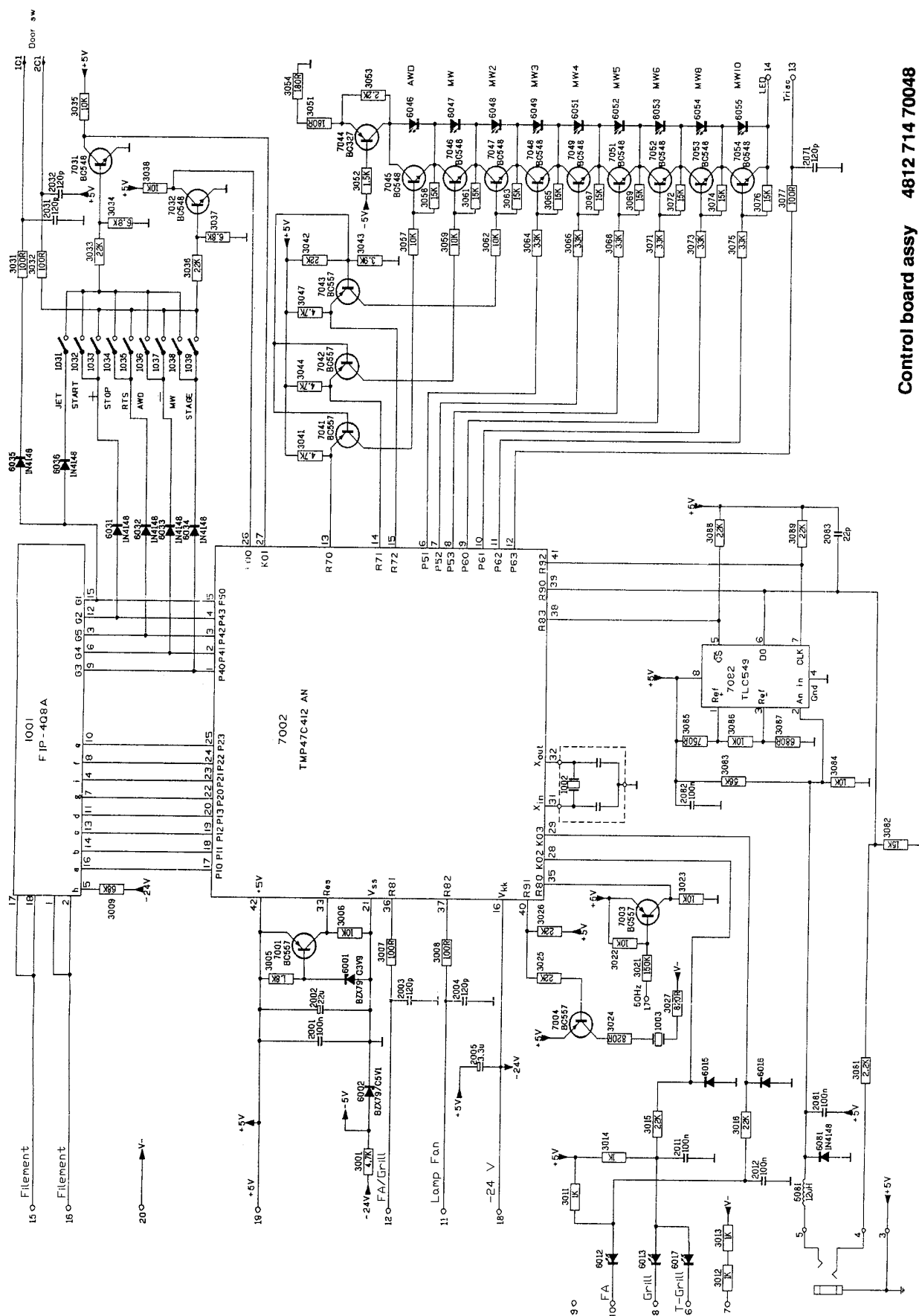


Power board assy 4812 714 70048

8231 280 08712



4231 088 45410



Control board assy 4812 714 70048

Control board assy 4812 714 70048

