



Service Manual

Washing machine

Frontloader

AWM789

Model	AWM789	
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Technical data

Dimensions

Height	85	cm
Width	59.5	cm
Depth	54	cm

Weight

Net weight	~ 71	kg
With package	~ 74	kg

General specifications

Voltage	230± 10%	V
Frequency	50	Hz
Connected load	~ 2.3	kW
Fuse	10	A

Drum data

Drum speed

Washing	55	rpm
Spinning	600	rpm

Capacity

Volume	42	l
Max. load dry laundry	4.5	kg

Electrical building parts

Heating

Type	Tubular radiator	
Rated power draft	2.05	kW
Mains Voltage	230	V

Drain pump

Power consumption	~ 40	W
Capacity	20	l/min.
Rotation speed	~ 3000	rpm
Height of drain hose	max.100	m
	min. 0.55	m

Motor

Type	2/16 Asynchronous
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Capacitor

Type	16	μ F
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Timer

Type	ELBI S 5000
The timer chart includes 2 basic programmes	

- normal washing
- delicate washing & wool

Thermostat

TH - a adjustable thermostat	30-80	°C
B - a fixed thermostat	35	°C

Pressostat (without laundry)

Low level	9 ± 1	l
High level	~ 22	l
Overflow level	~ 40	l

Push button switch

Version with 5 buttons:

- On / Off	2	pol.
- Half load (LLS)	1	pol.
- Spin execution (SDS)	1	pol.
- Rinse hold (RSS)	1	pol.
- Gentle wash (LDS)	1	pol.

Spare part list

Model
Service No.
Version

AWM 789
857078944000
857078944000

Pos. No.	12NC Code	Description
001 0	4819 440 19894	Cabinet
011 0	4819 310 38995	Foot
021 0	4812 440 19481	Front,panel
024 0	4819 440 19897	Panel, rear
025 0	4819 440 19898	Holder control
030 0	4819 440 19928	Table top
034 2	4819 492 68458	Fastener
034 3	4819 532 68243	Bushing
040 0	4819 417 19232	Hinge
053 0	4819 440 19901	Plinth
061 0	4819 466 89453	Counter weight ,top
061 1	4819 466 89454	Counter weight ,bottom
080 0	4819 492 38058	Spring
081 0	4819 466 48115	Friction plate
083 1	4819 462 38925	Friction plate
084 0	4819 462 48049	Silent bloc
086 0	4819 401 18607	Clamp bushing
110 0	4819 498 78444	Handle
130 0	4819 417 38117	Lock
130 1	4819 535 38062	Shaft Hooh
141 0	4819 450 69806	Door glass
143 0	4812 450 58154	Door cpl.
143 1	4819 459 48914	Glassdoor frame WH
144 0	4819 532 28288	Frame,door glas
144 1	4819 466 89077	Plate door frame
190 0	4819 468 18344	Door bellow
190 1	4819 492 38119	Strap porthole seal
190 2	4819 492 68515	Strap porthole seal
200 0	4819 418 18371	Tub
201 0	4812 464 48113	Bottom Tub
201 1	4819 532 88052	Ring
201 2	4812 464 48111	Bottom
210 0	4819 535 78164	Crosspiece
220 0	4819 418 18291	Drum
220 1	4819 418 18367	Drum , cpl.
228 0	4812 418 18212	Plate
271 0	4819 358 18115	Belt
272 0	4819 528 88119	Pulley
292 0	4819 466 69797	Gasket
301 0	4812 452 19813	Control panel AWM 789
331 0	4819 412 58814	Knob,timer
332 0	4812 410 28653	Push button
335 0	4819 412 58815	Knob thermostat WH
339 0	4819 413 28037	Adapter
339 1	4812 413 18198	Adapter Button
351 0	4819 134 48531	Pilot lamp
401 0	4819 361 58277	Motor
420 0	4819 121 18314	Capacitor
421 0	4812 121 18142	Interf.filter 1,00 uF
430 0	4819 360 18189	Pump,draining
451 0	4819 259 28932	Heating element
490 0	4819 321 18136	Cable,mains 2m
491 0	4812 321 28367	Strain relief
501 0	4819 282 18773	Timer S 5000 4CH
551 3	4819 282 28713	Thermostat

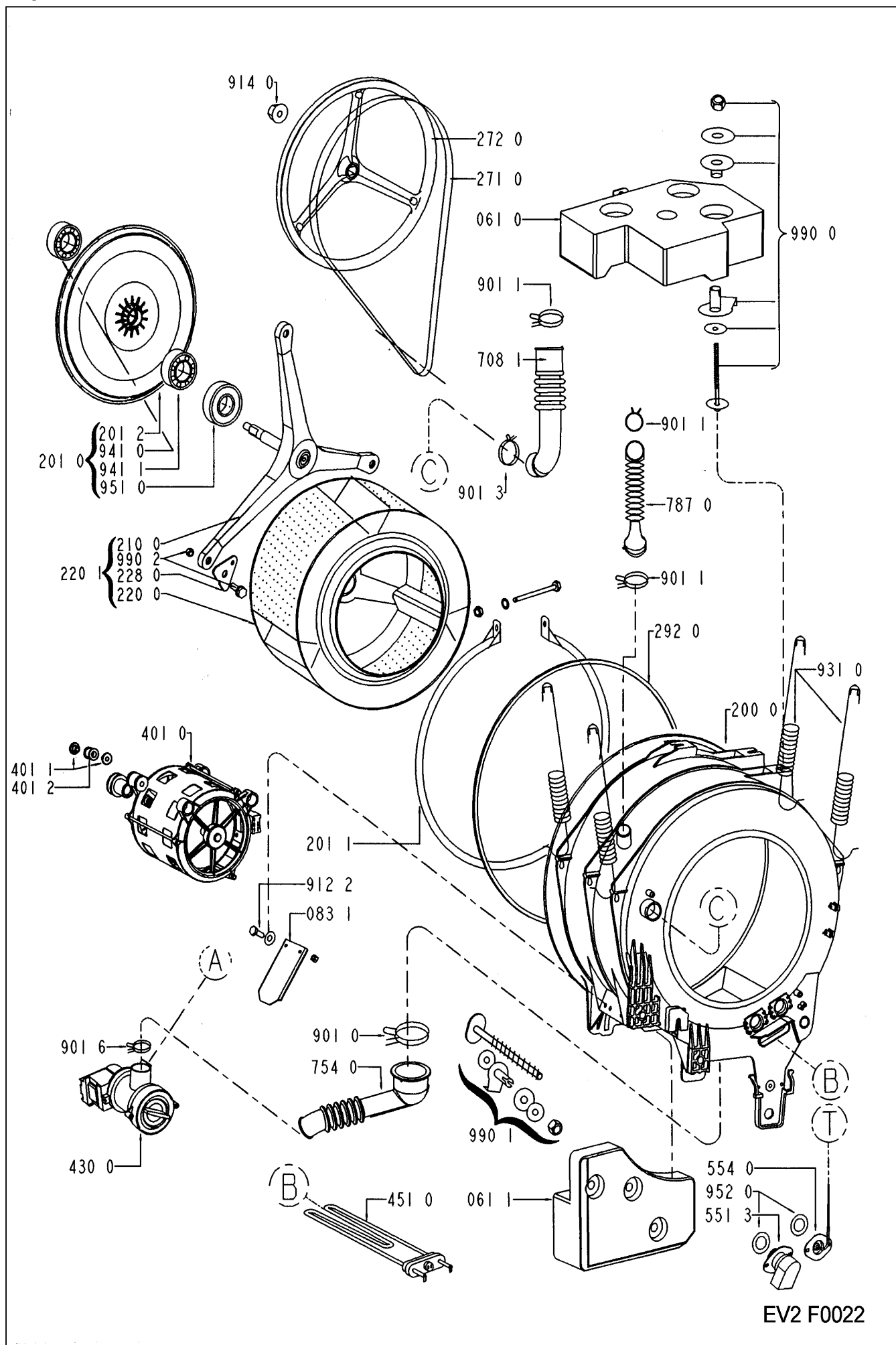
Pos. No.	12NC Code	Description
554 0	4819 271 29081	Thermostat 30-80 °C
573 0	4819 281 28236	Valve,magnet
583 0	4819 271 29082	Pressostat
620 0	4819 410 29125	Switch
620 2	4819 276 18415	Hex.code switch
621 0	4819 410 29126	Switch
630 0	4819 276 18416	Door lock
701 0	4819 530 29034	Hose, inlet
702 0	4819 530 28793	Hose inside
702 1	4819 530 28717	Hose
708 1	4819 530 28868	Drainhose inner
711 0	4819 418 18368	Dispenser
712 0	4819 418 79854	Drawer
718 1	4819 530 29044	Siphon
753 1	4819 418 68234	Chamber,air
754 0	4819 526 48255	Drainhose inner Tub/Pump
781 0	4819 530 29035	Hose,draining
783 0	4819 530 29036	Hose pressostat
787 0	4819 530 28904	Hose,deaeration
794 5	4812 530 58098	Gasket Airtrap
900 0	4812 255 18205	Holder Pressostat
901 0	4819 401 18529	Clamp,hose
901 1	4819 401 18174	Clamp,hose 25-45 mm
901 3	4819 401 18882	Clamp
901 6	4819 401 18436	Clamp,hose
902 1	4812 255 18204	Holder Hose outlet
910 6	4819 502 38005	Screw
912 2	4819 310 38685	Set screw
914 0	4819 505 18376	Nut
931 0	4819 492 38138	Spring,suspens.
932 0	4819 492 68666	Spring
941 0	4819 520 18042	Bearing,ball
941 1	4819 520 18041	Bearing,ball
951 0	4819 468 18343	Shaft seal
952 0	4819 466 69882	Gasket thermostat
990 0	4819 310 39124	Mounting kit ,weight top
990 1	4819 310 38684	Mounting kit ,weight bottom
990 2	4819 310 39099	Accessories CROSSPIECE

This diagram illustrates the exploded view of a washing machine, showing the main body, door, and various internal components. The parts are labeled with numbers, including:

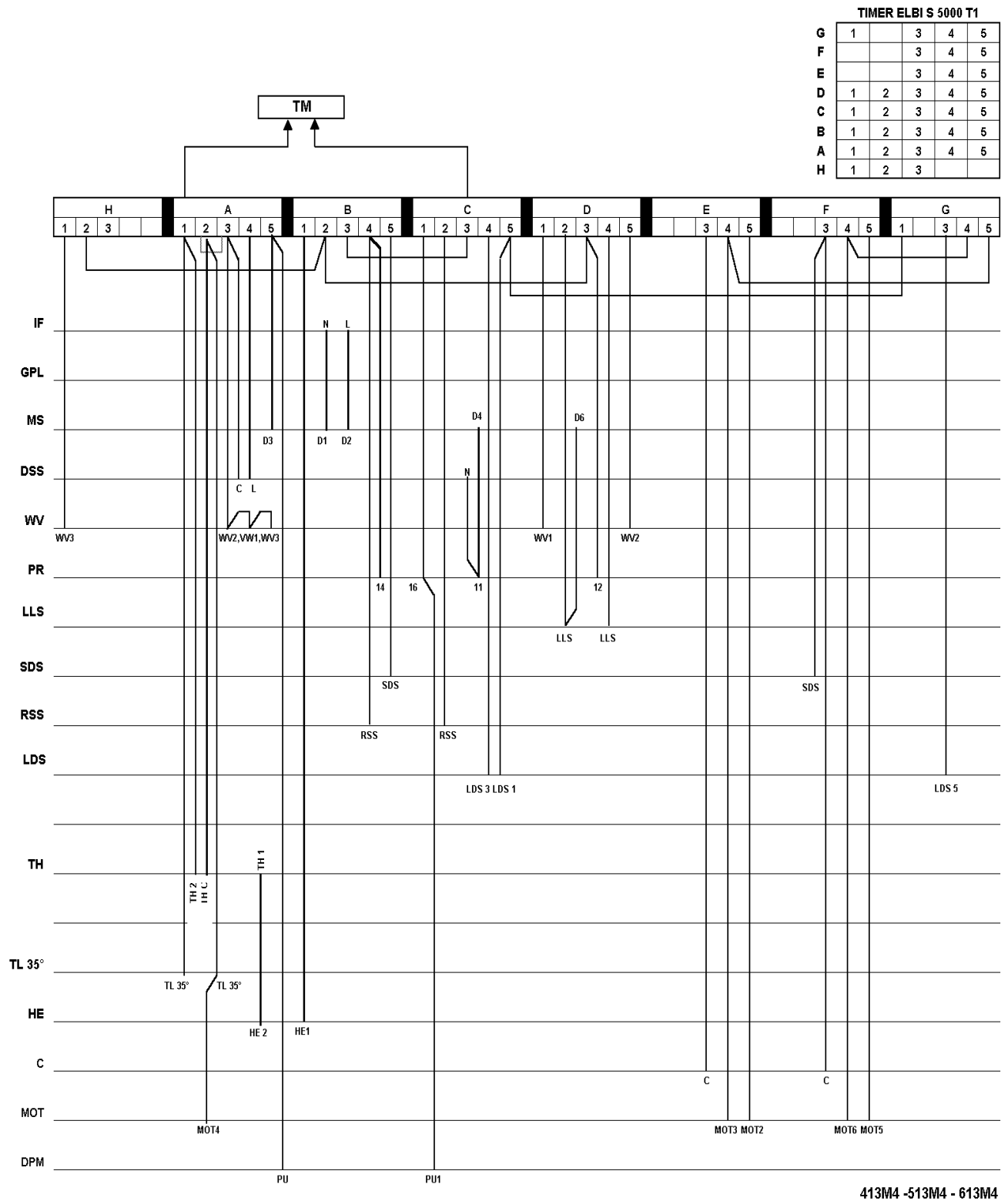
- Top Panel:** 030 0
- Door Assembly:** 190 0 (Door), 021 0 (Door Frame), 143 0 (Door Seal), 141 0 (Door Seal Ring), 144 0 (Door Seal Ring), 144 1 (Door Seal Ring), 110 0, 130 0, 130 1, 141 0, 143 1, 144 0, 144 1, 932 0
- Internal Components:** 573 0, 902 1, 490 0, 421 0, 491 0, 420 0, 351 0, 025 0, 718 1, 301 0, 034 2, 080 0, 081 0, 034 3, 711 0, 712 0, 001 0, 781 0, 701 0, 702 1, 702 0, 783 0, 753 1, 794 5, 011 0, 086 0, 084 0, 910 6, 053 0, 630 0, 554 0, 331 0, 339 0, 501 0, 335 0, 339 1, 4620 2, 620 0, 621 0, 332 0, 900 0, 583 0, 190 1, 024 0, 190 2, 040 0
- Other Parts:** 781 0, 701 0, 702 1, 702 0, 711 0, 712 0, 001 0, 783 0, 753 1, 794 5, 011 0, 086 0, 084 0, 910 6, 053 0, 630 0, 554 0, 331 0, 339 0, 501 0, 335 0, 339 1, 4620 2, 620 0, 621 0, 332 0, 900 0, 583 0, 190 1, 024 0, 190 2, 040 0

The diagram also includes a small inset labeled (A) showing a detail of the door seal area.

Exploded view



Wiring diagram

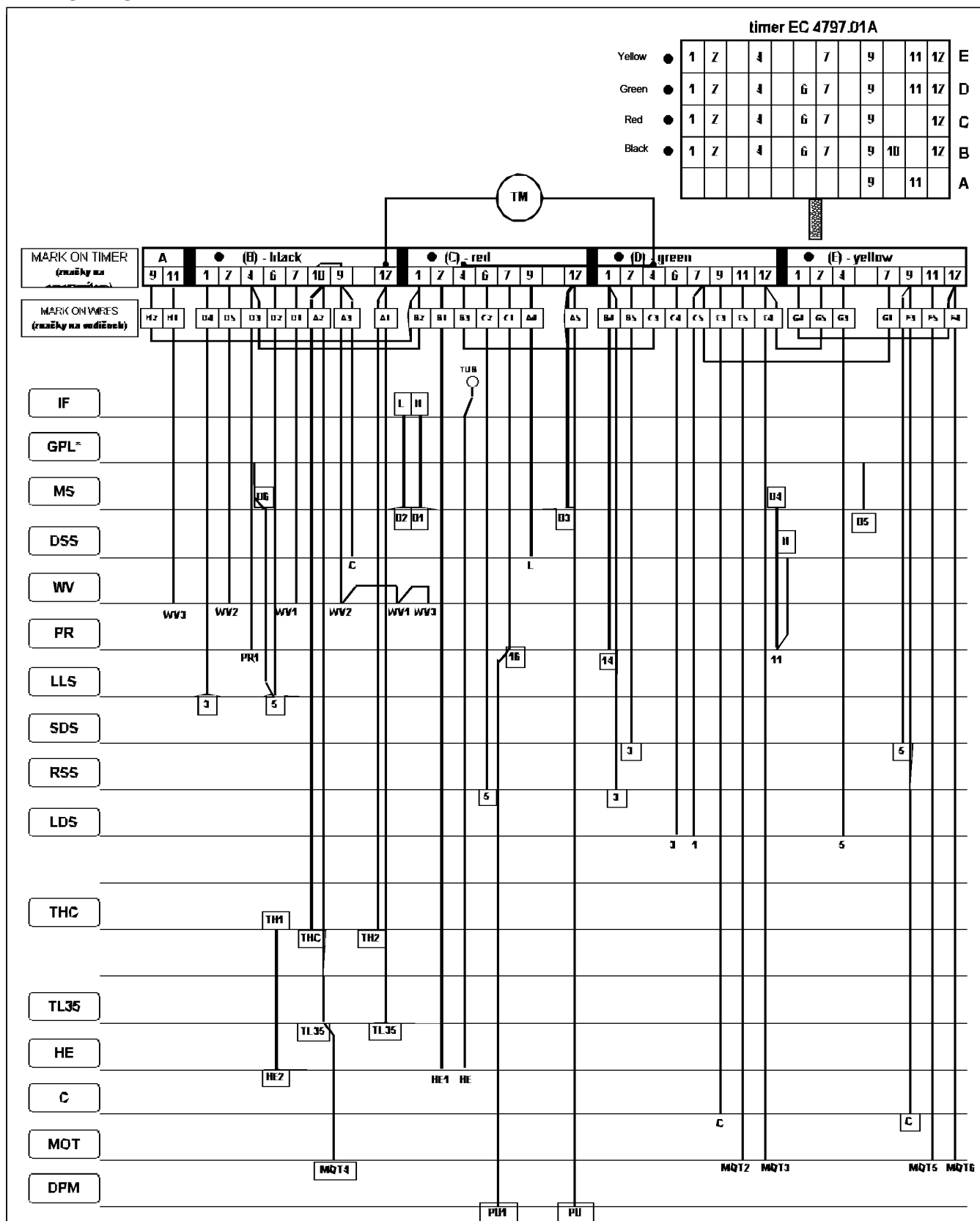


413M4 -513M4 - 613M4

IF - Interference capacitor
GPL - Pilot lamp
MS - Main switch
DSS - Door lock switch
WV - Inlet water valve
PR - Pressostat
LLS - Half load switch
SDS - Spin stop switch
RSS - Rinse hold switch

LDS - Gentle wash switch
TH - Capillary thermostat
TL 35° - Thermostat 35°C
HE - Heating element
C - Capacitor
M - Motor
DPM - Draining pump motor
TM - Timer motor

Wiring diagram

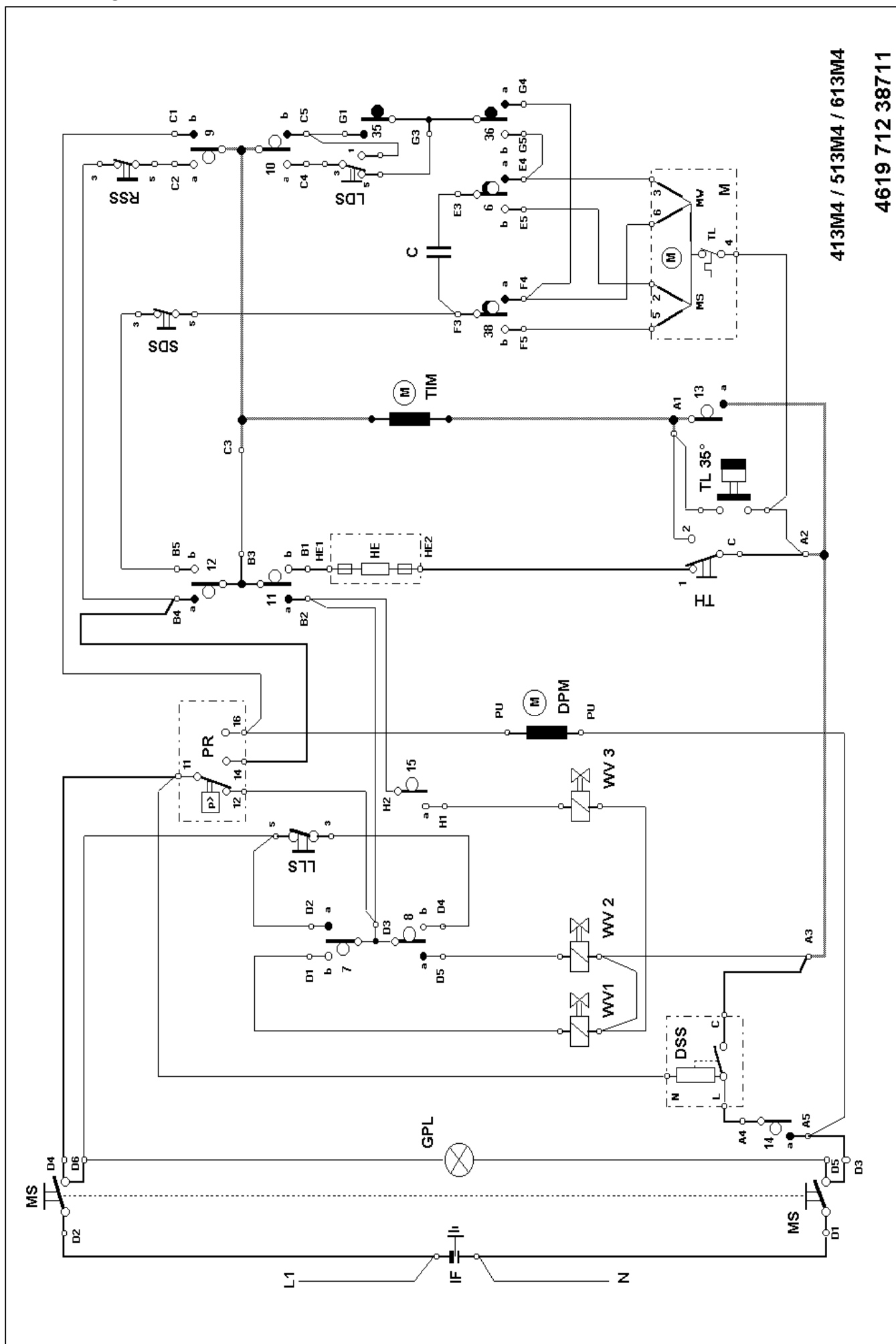


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IF - INTERFERENCE CAPACITOR
MS - MAIN SWITCH
DSS - DOOR LOCK SWITCH
WV - INLET WATER VALVE
PR - PRESSOSTAT
LLS - HALF LOAD SWITCH
SDS - SPIN STOP SWITCH
RSS - RINSE HOLD SWITCH
LDS - GENTLE WASH SWITCH

THC - CAPILLARY THERMOSTAT
TL35° - THERMOSTAT 35°C
HE - HEATING ELEMENT
C - CAPACITOR
MOT - MOTOR
DPM - DRAIN PUMP MOTOR
TM - TIMER MOTOR
GPL* - PILOT LAMP (* optional)

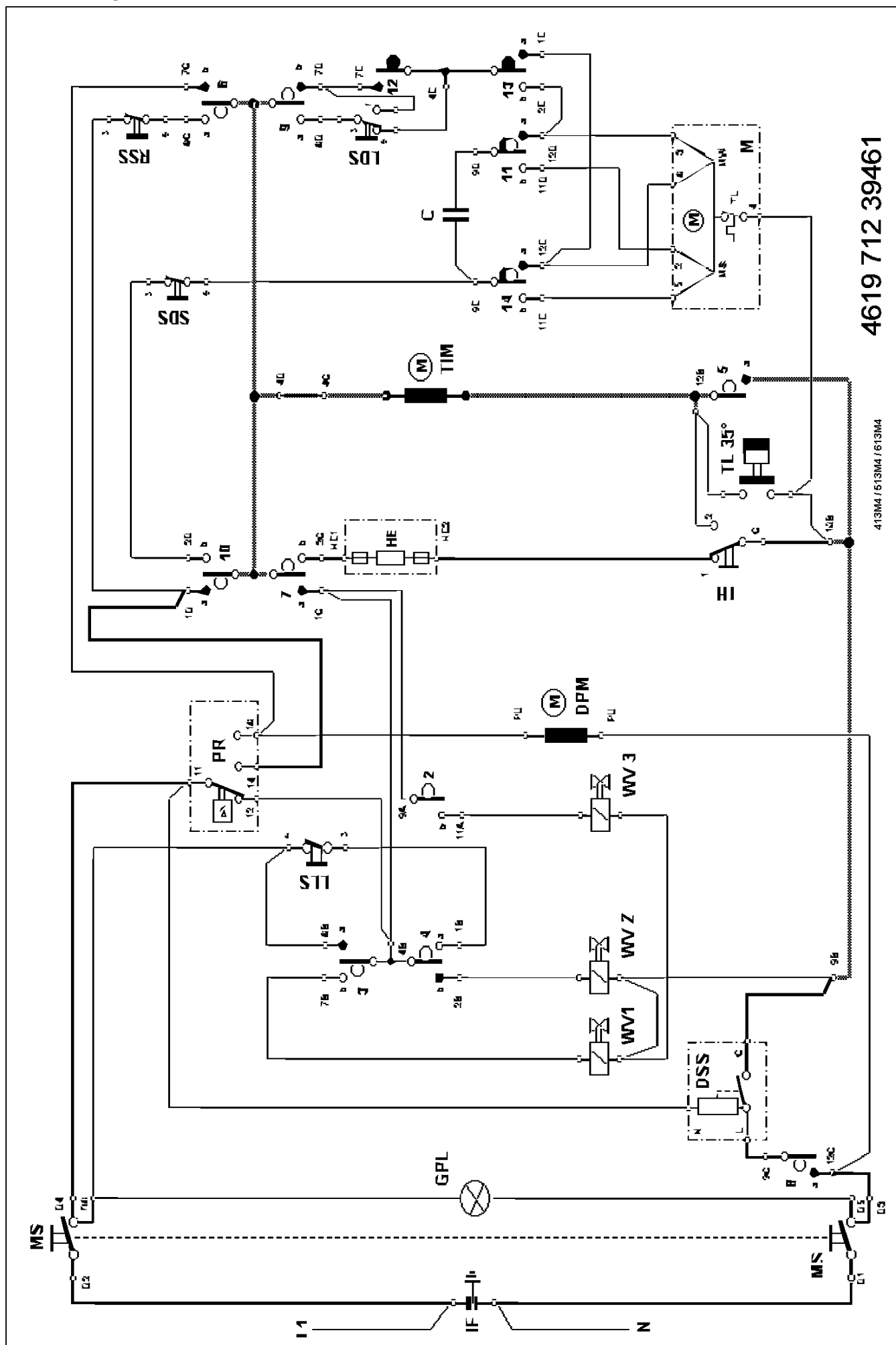
Circuit diagram



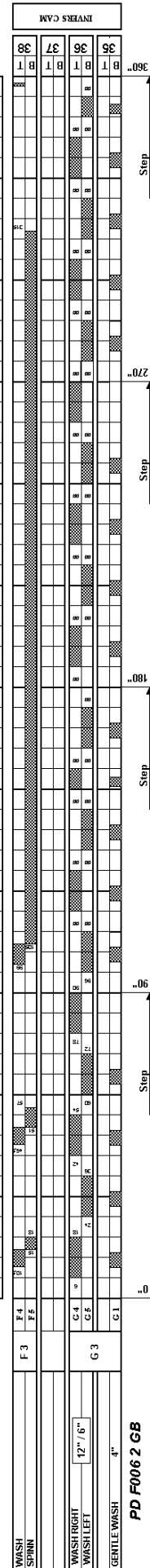
413M4 / 513M4 / 613M4

4619 712 38711

Circuit diagram



4619 712 3895 2



4619 712 3929 1