



Service Manual

Washing machine

Toploader

AWG 650-2/WP

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Technical data

Dimension

Height	88.0	cm
Width	40.0	cm
Depth	60.0	cm

Weight

Net weight	~ 65	kg
With package	~ 69	kg

General specifications

Voltage	230± 10% V	
Frequency	50	Hz
Connected load	~ 2.2	kW
Fuse	10	A

Drum data

Drum speed

Washing	55	rpm
Spinning	500	rpm

Capacity

Volume	43	l
Max. load	5	kg

Electrical building parts

Heating

Type	Tubular radiator	
Rated power draft	185	kW
Mains Voltage	230	V

Drain pump

Power consumption	~ 40	W
Capacity	11.5	l/min.
Rotation speed	~ 3000	rpm
Height of drain hose	max.100	m
	min. 0.55	m

Motor

Asynchronous	2/16
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Capacitor

16	μ F
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Timer

Type	EATON EC 4453
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The Timer chart includes	
2 basic programmes	normal wash delicate wash & wool

Thermostat

A - a fixed thermostat	40	°C
B - a fixed thermostat	60	°C
C - a fixed thermostat	90	°C
D - a temperature limiter	107	°C

Pressostat (without laundry)

Low level	9 ± 1	l
High level	~ 22	l
Anti mousse level	~ 2	l
Overflow level	~ 30	l

Rotary switch

On/Off switch & spin option	3 pos.
Temperature selector	7 pos.

Push button switch

Half load switch	1 pos.
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Spare part list

Model
Service No.
Version

AWG 650-2/WP
853765010950
853765010950

Pos. No.	12NC Code	Description
001 0	4819 440 19493	Cabinet
002 0	4819 440 18975	Door
010 0	4819 459 48776	Frame
012 0	4819 310 18304	Trolley kit
012 2	4819 528 78044	Wheel
012 3	4819 532 68171	Bracket for trolley
012 4	4819 528 78045	Roller rear
012 5	4819 498 68976	Handle for trolley
012 6	4819 462 79426	Support trolley
012 7	4819 530 78037	Clip trolley
013 0	4819 462 48277	Foot, fix
022 0	4819 440 18976	Panel,side
025 0	4819 440 19651	Bracket
041 0	4819 417 19334	Hinge
053 0	4819 442 69012	Plinth
061 0	4819 466 88818	Counter weight front
061 1	4819 466 88978	Counter weight lower
061 2	4819 466 88752	Fastener
080 0	4819 529 18054	Shock absorber
100 0	4819 442 78374	Door cpl.
110 0	4819 498 78359	Handle
121 0	4819 440 19599	Door,inner
130 0	4819 535 78144	Pin Lock
141 0	4819 418 78964	Lid
143 0	4819 459 48602	Tub frame
200 0	4819 418 18275	Tub
201 0	4819 440 19606	Cover
220 0	4819 418 18311	Drum
223 0	4819 418 49713	Drum lifter
252 0	4819 404 49227	Clamp thermostat
252 1	4819 310 38541	Gasket Klixon
271 0	4819 358 18135	Belt
272 0	4819 528 88106	Pulley (drum)
272 1	4819 532 28263	Ring Cone 10 degrees
292 0	4819 532 68244	Gasket tub
301 0	4819 453 28083	Control panel AWG 650-2/WP
303 0	4819 498 69853	Handle
331 0	4819 412 58706	Knob
332 0	4819 410 28653	Push button
337 0	4819 412 58708	Knob
343 3	4819 528 38131	Coupling piece
401 0	4819 361 58047	Motor 2/16 pol.
420 0	4819 121 18112	Capacitor
421 0	4819 121 18266	Interf.filter
430 0	4819 360 18203	Pump,draining synchronus
451 0	4819 259 28459	Heating element 1850 W
451 2	4819 404 49558	Clamp Heating element
490 0	4819 321 18292	Connect.cable EU
491 0	4819 290 68113	Connectionblock
501 0	4819 282 18678	Timer
551 4	4819 282 48256	Thermostat 40 degree
551 6	4819 282 48255	Thermostat 60 degree
551 9	4819 282 48254	Thermostat 90 degree
554 0	4819 273 28249	Selector
567 0	4819 282 48071	Thermostat 107 degree

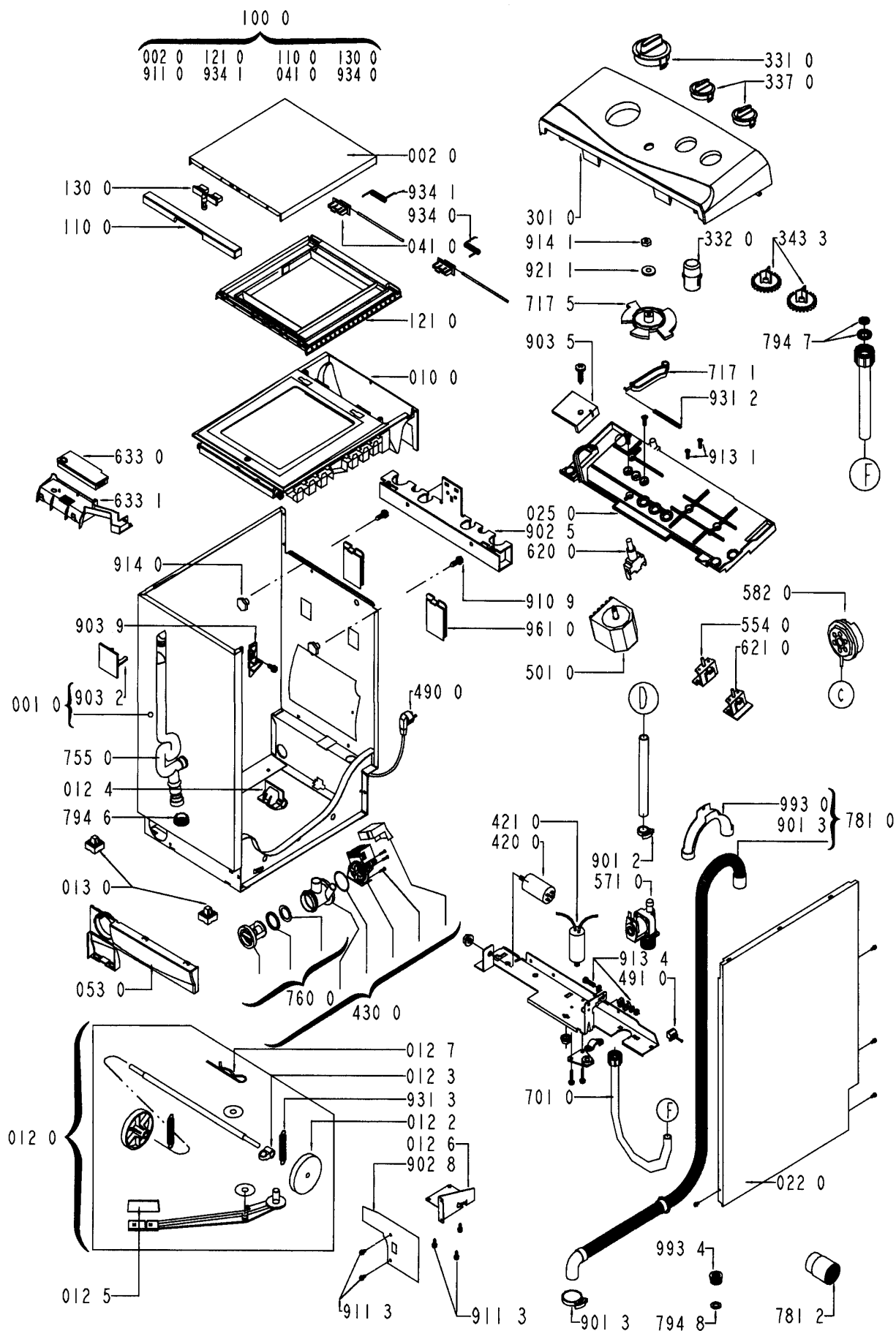
Pos. No.	12NC Code	Description
571 0	4819 281 28163	Valve,magnet
582 0	4819 271 28925	Pressostat
620 0	4819 276 18265	Switch
621 0	4819 101 48145	Switch
633 0	4819 271 38149	Switch, door
633 1	4819 462 78707	Protector for door safety
701 0	4819 530 28522	Hose, inlet cold fill
702 0	4819 530 28896	Hose
710 0	4819 459 48613	Door,outer
711 0	4819 418 78965	Door,tub
712 0	4819 440 19602	Door,inner
712 1	4819 535 98514	Shaft
712 2	4819 535 98278	Spring
717 0	4819 323 28009	Bowden cable
717 1	4819 466 98972	Rocker
717 5	4819 528 38432	Cam
753 0	4819 530 28811	Chamber,air
754 0	4819 530 28504	Drainhose inner Tub/Pump
755 0	4819 530 48443	Hose over flow
760 0	4819 360 78335	Cover pump body
781 0	4819 530 28783	Hose,draining
781 2	4819 532 68554	Sleeve hose
794 5	4819 530 58026	Gasket Air chamber
794 6	4819 530 58031	Gasket
794 7	4822 532 50428	Gasket
794 8	4819 532 58159	Gasket 1/2
901 0	4819 401 18764	Clamp
901 1	4819 492 68337	Strap
901 2	4819 401 18362	Strap SNP 8
901 3	4819 401 18563	Clamp,hose
901 5	4819 535 38038	Clip bearing
902 1	4819 401 18579	Bracket
902 5	4819 401 18572	Holder hose
902 8	4819 404 78396	Tube,stabilizer over flow
903 2	4819 404 49431	Support overflow
903 3	4819 492 68338	Clip tub
903 5	4819 401 18585	Fastener sleeve
903 7	4819 492 68381	Clip
903 9	4819 404 49688	Support Top
910 0	4819 502 38231	Screw
910 1	4819 502 18417	Screw
910 5	4819 502 38265	Screw VAB 4,5x20
910 9	4819 502 38286	Screw PLASGOB ST 45
911 0	4819 502 38235	Screw TC N 6x1/2
911 2	4819 502 38232	Screw TF 4x20
911 3	4819 502 38233	Screw N1 2x1/2
911 4	4819 502 38289	Screw
911 5	4819 502 18202	Screw CHC 6x25
912 0	4819 500 18108	Screw TH 8x60
912 7	4819 502 18209	Screw JAPY 8x160
912 8	4819 502 18208	Screw JAPY 8x110
913 1	4819 502 18206	Screw TF 4x12
913 4	4819 502 18485	Screw
914 0	4819 532 68363	Fastener
914 1	4819 505 18283	Nut M 5

Spare part list

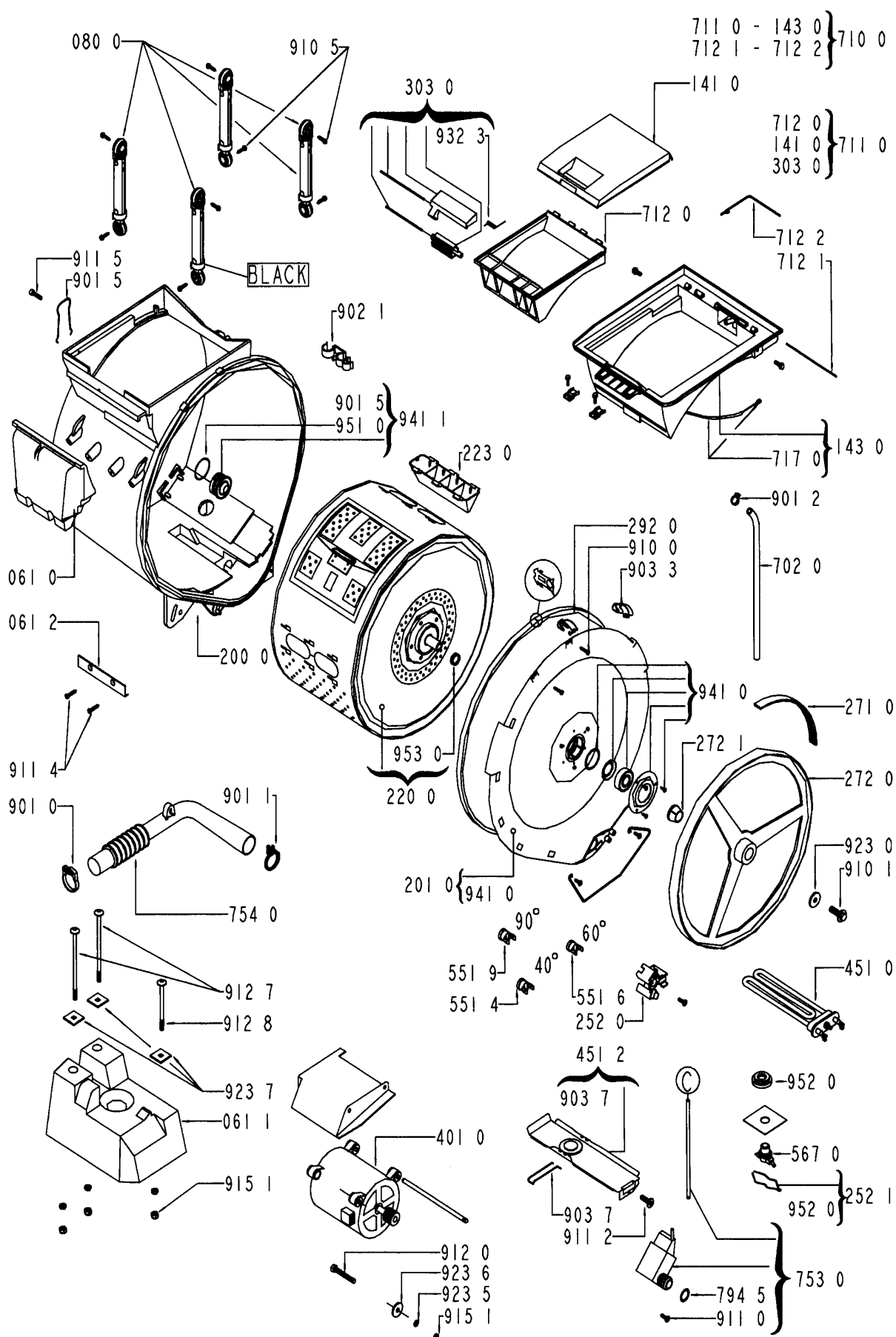
Model	AWG 650-2/WP
Service No.	853765010950
Version	853765010950

Pos. No.	12NC Code	Description
915 1	4822 505 10547	Nut
921 1	4819 532 18147	Washer 5,2 x 16
923 0	4819 532 38095	Disc
923 5	4822 505 10148	Washer
923 6	4819 532 58107	Washer 8,3 x 30
923 7	4819 532 18174	Small plate
931 2	4819 492 38084	Spring Slide
931 3	4819 492 38085	Spring
932 3	4819 492 48131	Spring
934 0	4819 492 48125	Spring right
934 1	4819 492 48124	Spring left
941 0	4819 520 28029	Bearing, kit
941 1	4819 520 28026	Bearing
951 0	4819 530 58029	Gasket
952 0	4819 325 68014	Gasket
953 0	4819 325 68041	Gasket V25
961 0	4819 440 19472	Shutter
993 0	4819 401 18581	Bow
993 4	4819 526 48128	Adapter

Exploded view



Exploded view



EV200021

TIMER EC 4453

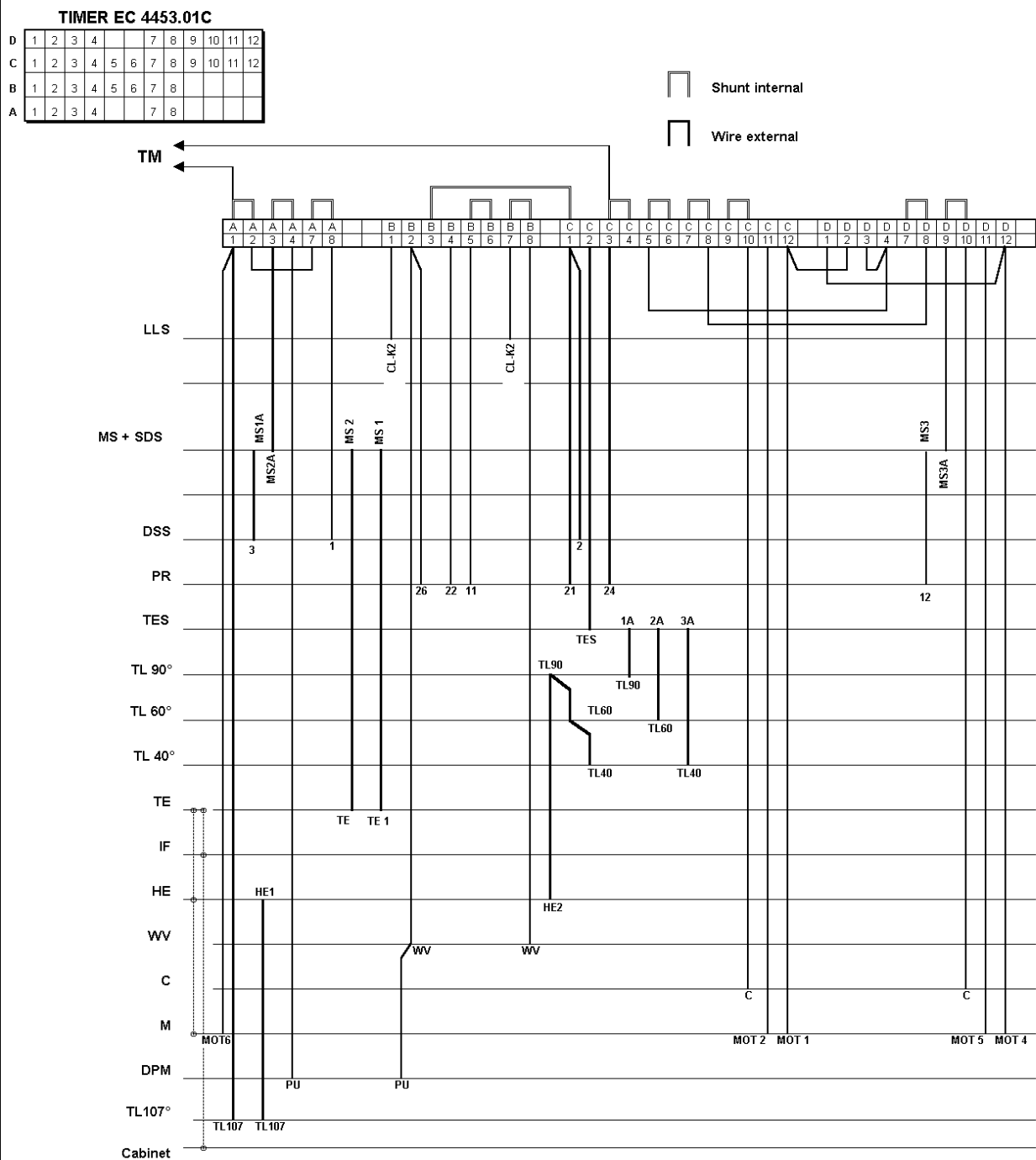
D	1	2	3	4		7	8	9	10	11	12	
C	1	2	3	4	5	6	7	8	9	10	11	12
B	1	2	3	4	5	6	7	8				
A	1	2	3	4			7	8				

 Shunt internal
 Wire external

4211 012 9314 2 **Tech. model 460T - 560T**

C	capacitor	SDS	spin drying switch
DPM	draining pump motor	TE	connecting block
DSS	door safety switch	TES	temperatur selector
HE	heating element	TM	timer motor
IF	interference capacitor	TL 107°	temperature limiter
LLS	push button switch - 1/2	TL 40°	thermostat fix 40°
M	motor	TL 60°	thermostat fix 60°
MS	main switch	TL 90°	thermostat fix 90°
PR	pressostat	WV	water inlet valve
PREH	pressostat overflow level		
PRL	pressostat low level		
PRM	pressostat antimousse level		

Wiring diagram



Tech.model 460T-560T

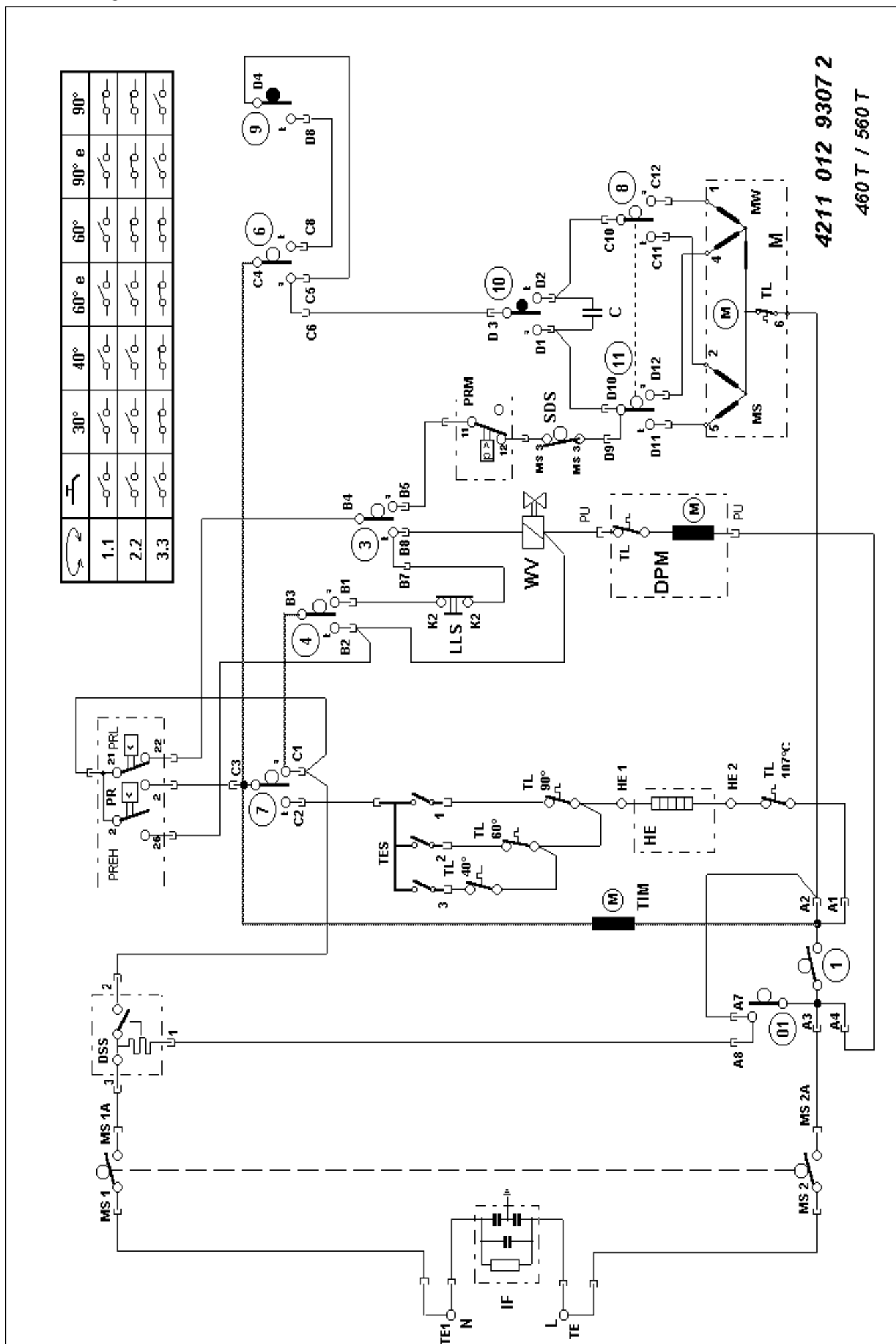
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MS - main switch ON/OFF
 SDS - stop spinning switch
 LLS - half load push button switch
 DSS - safety door lock
 TES - switch temperature option
 TL 40° - thermostat 40°
 TL 60° - thermostat 60°
 TL 90° - thermostat 90°
 TL107° - temperature limiter

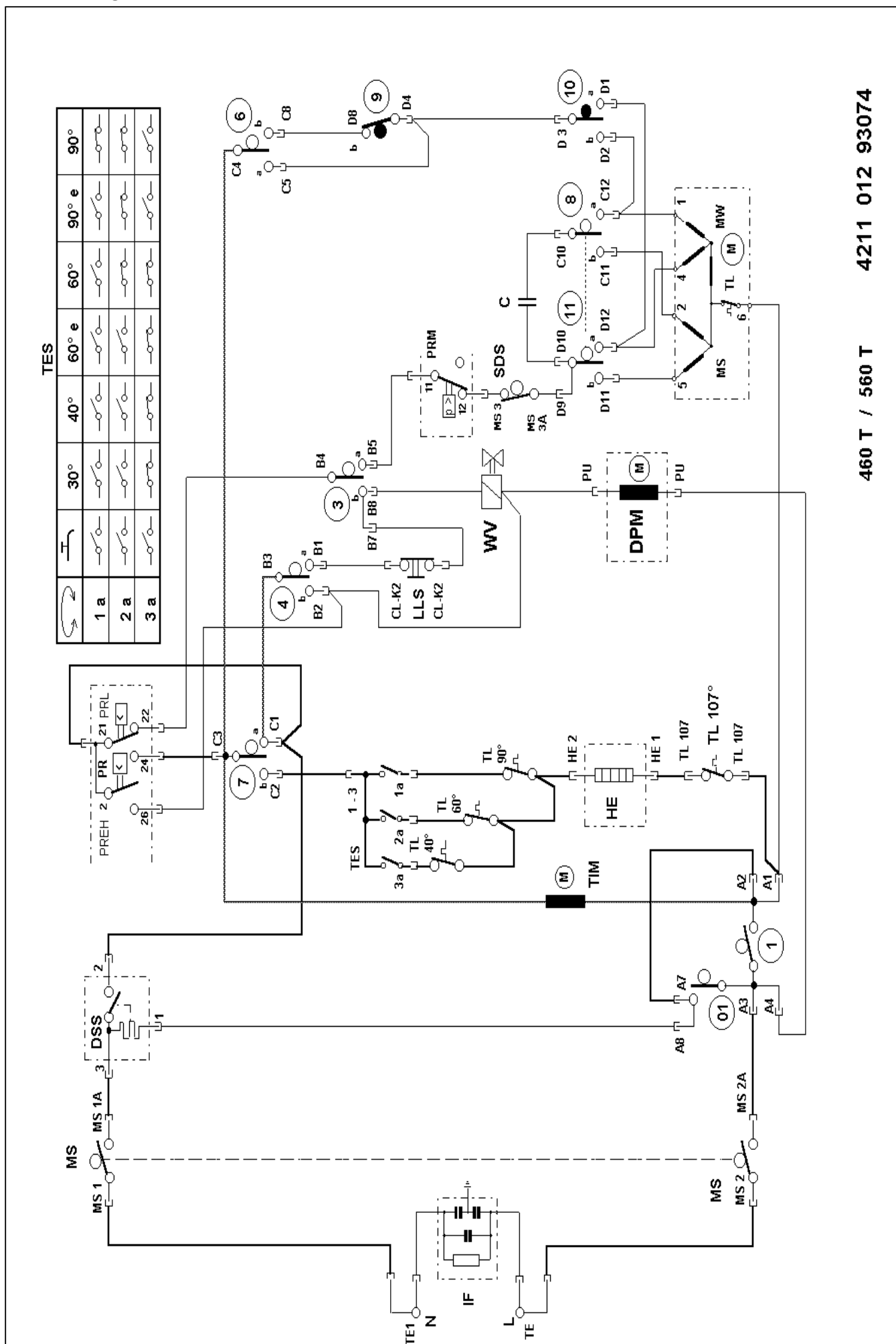
PR - pressostat
 PRL - pressostat low level
 PRM - pressostat antimousse level
 PREH - pressostat overflow level
 TE - connecting block
 IF - interference capacitor
 HE - heating element
 WV - water inlet valve
 C - capacitor
 M - motor
 DPM - draining pump motor
 TM - timer motor

4211 012 93074

Circuit diagram



Circuit diagram



Program diagram

