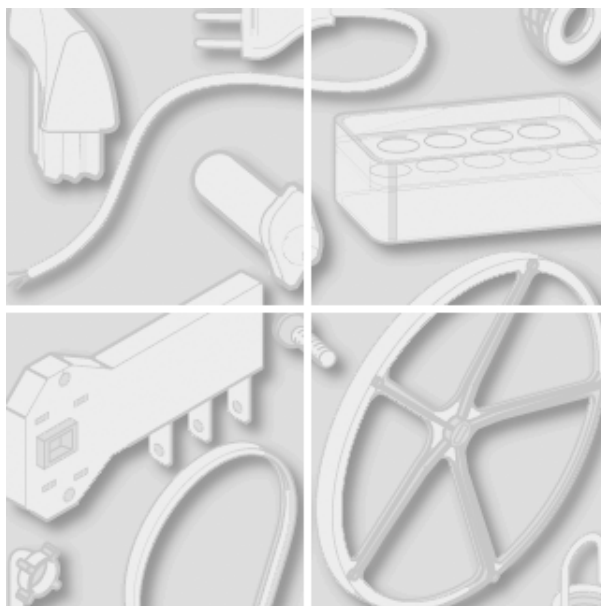


Whirlpool



Model type:

FFS 7458 W EE

FFS 7458 W EE

Commercial code:

859991645390

859991645390

KitchenAid

Whirlpool

Hotpoint

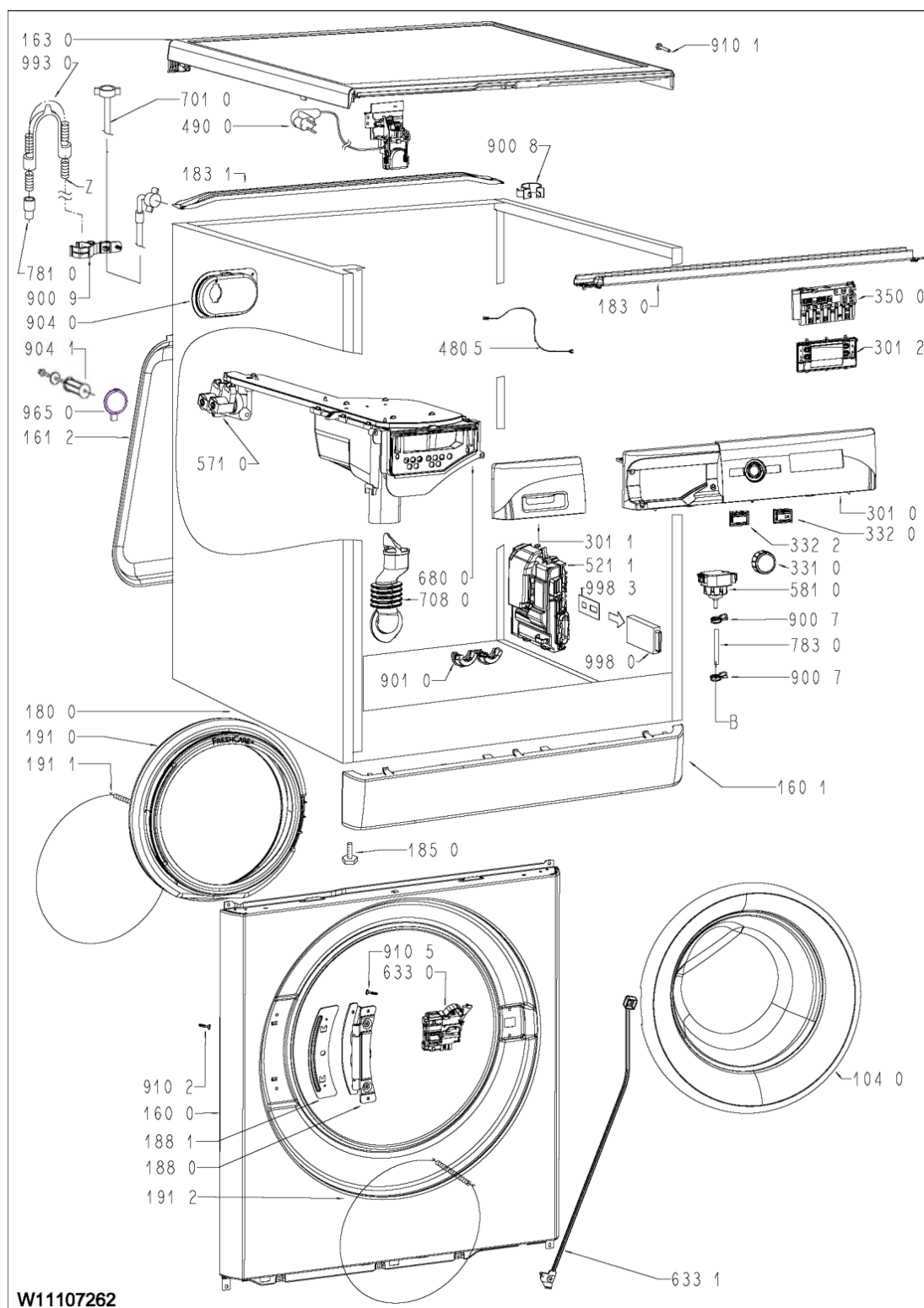
Bauknecht

i INDESIT

THIS DOCUMENT IS ONLY INTENDED FOR QUALIFIED TECHNICIANS WHO ARE AWARE OF THE RESPECTIVE SAFETY REGULATIONS. SUBJECT TO MODIFICATIONS

WHR06302

Exploded views



WHR06302

Spare parts

list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
1040	481010906633 (C00508671)				door cpl. fresh care		
1600	481010911296 (C00508682)				front panel evo paint		
1601	481010919667 (C00508698)				plinth global white		
1612	481010525745 (C00508651)				cover rear		
1630	481010919758 (C00508699)				table top assy global white		
1800	481010900289 (C00508663)				cabinet 510mm evo 62l paint		
1830	481010900284 (C00508662)				module support evo paint		
1831	481010846382 (C00508654)			1 x C00533678 (488000533678)	support lid evo		
1850	481246248054 (C00313162)				foot		
1880	481010906624 (C00508669)				hinge kit door		
1881	481010914294 (C00508683)			1 x C00285559 (482000088235)	hinge reinforced		
1910	481010947486 (C00508708)				door bellow d340,d354, 68		
1911	481010915290 (C00508687)				ring retaining tub d340 fresh care		
1912	481010914776 (C00508686)			1 x C00119210 (482000029103)	ring retaining front d340 freshcare		
3010	C00638018 (488000638018)				console sdgt/uk-eu/in/7kg/print		
3011	C00634297 (488000634297)				handle drawer + logo whp		

3012	C00638019 (488000638019)		buttons+window sdgt/ee/fl/assem	
3310	C00635145 (488000635145)		knob timer assy wht/chr	
3320	481010917187 (C00508695)		button start/pause	
3322	C00729582 (488000729582)		button on/off white	
3500	481011022537 (C00508710)		module ui cpl.	
4900	C00378710 (482000090241)		power cord 1.2m shuko 3x13ph	
5211	C00843951 (488000843951)	1 x C00852931 (488000852931)	control board windystrip bpm h50 m3.1	759991645391
5211	C00852931 (488000852931)		control board windy strip bpm h50 m3.2	759991645392
5710	481010906666 (C00508674)	1 x C00110333 (482000022813)	solenoid 1e2u 7lt 2.5 230v	
5810	481010906695 (C00508679)	1 x C00289362 (482000023288)	pressostat	
6330	481010885440 (C00508660)		door lock fl evo em rast5 rold	
6331	481010921412 (C00508705)	1 x C00256761 (482000030462)	door lock lever + screw	
6800	C00298968 (482000032173)		divider for soap dispenser drawer innex	
6800	481010906390 (C00508664)	1 x C00729583 (488000729583)	dispenser cpl. 62l fresh care	
6800	C00729583 (488000729583)		dispenser cpl. 62l fresh care bks	
7010	481010906684 (C00508676)	1 x 484000001132 (C00314116)	hose inlet 25#c 10bar 1,5m	
7080	C00647071 (488000647071)		hose dispenser to tank evo innex 340	
7810	481010870743 (C00508656)	1 x C00303360 (482000089606)	hose draining l=2050mm	
7830	481010920888 (C00508703)	1 x C00268112 (482000030876)	hose pressostat	

WHR06302

Spare parts

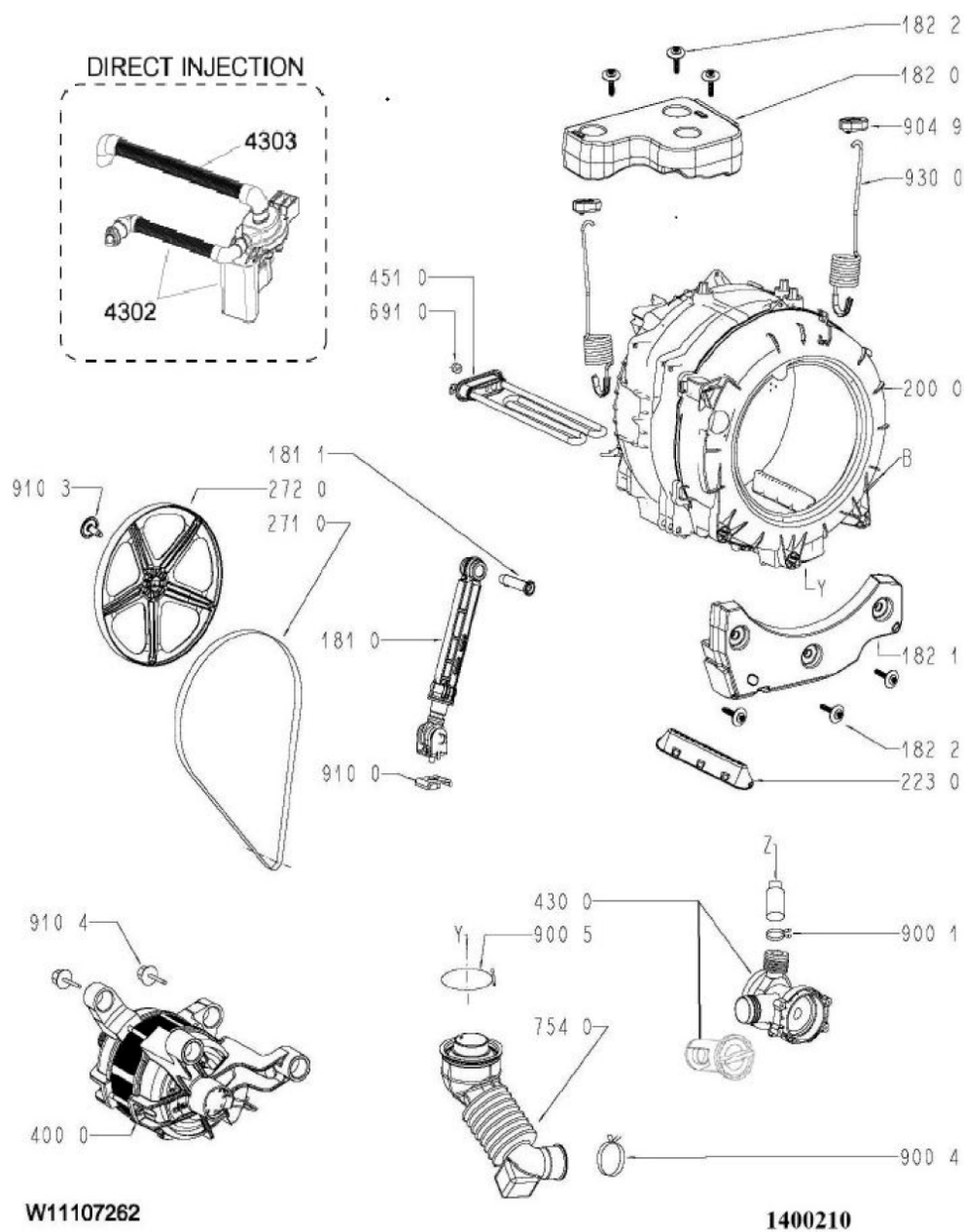
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Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
9007	481010920887 (C00508702)				clamp hose		
9008	481010915867 (C00508689)			1 x C00387160 (488000387160)	clamp hose		
9009	481010525749 (C00325025)				clip drain hose, external		
9010	481010915865 (C00508688)			1 x C00064755 (482000027172)	clamp hose drain		
9040	481010906709 (C00508680)			1 x C00064946 (482000027185)	adapter valve		
9041	C00650396 (488000650396)				transport bolt 95mm		
9101	481250248344 (C00332163)				screw		
9102	481010906628 (C00508670)			1 x C00290793 (482000088787)	screw m4x8 esag.		
9105	481010906645 (C00508673)			1 x C00065185 (482000022669)	screw d4.5x8 plast tmt zn		
9650	480111103932 (C00321124)				cover kit 4x		
9930	481010870745 (C00508657)			1 x C00019902 (482000072836)	outlet elbow u curve		
9980	C00272306 (488000272306)				smart reader for card 8kb 32kb + hood		
9983	C00852935 (488000852935)				card ffs7458wede 32kb 400011625933		759991645392
9983	C00848444 (488000848444)				card ffs7458wede 32kb 400011584054		759991645391
999	C00510937 (488000510937)				error codes whp		
999	C00511682 (488000511682)				technical data whp		

999	C00510936 (488000510936)	wiring diagram whp
999	C00510927 (488000510927)	program chart whp
999	C00511683 (488000511683)	program timer whp

WHR06303

Exploded views



WHR06303

Spare parts

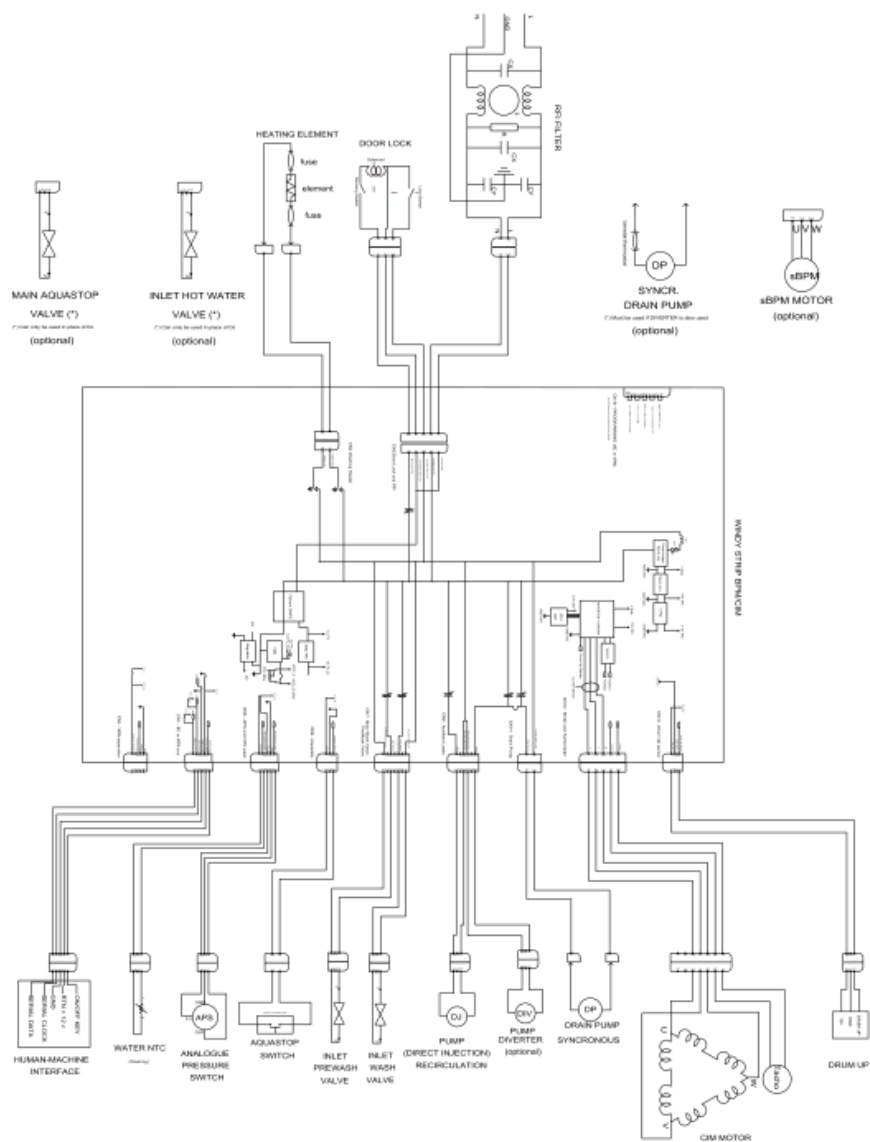
list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
1810	C00646711 (488000646711)				damper cima junior 120n lipetsk		
1811	C00781016 (488000781016)				pin damper		
1820	C00575088 (488000575088)				upper counterweight 14.6kg 54lt evo		
1821	C00575087 (488000575087)				front counterweight 9.4 kg 54lt evo		
1822	481011107483 (C00508733)				screw counterweight		
2000	C00647062 (488000647062)				wash unit 1400, 54l maxi		
2230	C00799111 (488000799111)				removable washing paddles evo 52-62 t1.8		
2710	481010914783 (C00509479)			1 x C00144656 (482000022985)	belt 1194 j5 hutchinson		
2720	481010914772 (C00508684)			1 x C00270717 (482000031003)	pulley (d280-20mm)		
4000	C00533611 (488000533611)				motor 1400 bpm h27 62l		
4300	481010920893 (C00508704)			1 x C00855480 (488000855480)	pump draining askoll alum.		
4510	481010906688 (C00508677)			1 x C00380151 (488000380151)	heating element 1700w/230v		
6910	481010906691 (C00508678)				sensor ntc		
7540	C00844254 (488000844254)				drainhose pump with eco ball		
7830	481010920888 (C00508703)			1 x C00268112 (482000030876)	hose pressostat		
9001	481010694993 (C00508653)				clamp hose ss 35.6 dia		

9004	481010694992 (C00508652)		clamp hose ss 38.8 dia
9005	481010906681 (C00508675)	1 x C00094908 (482000022783)	clamp d76,5
9049	481246658023 (C00320879)		silent bloc
9100	C00738504 (488000738504)		nut m6 with washer
9103	481010914773 (C00508685)	1 x C00143260 (482000029741)	screw t40 m8x23(10.9)
9104	481011107480 (C00508732)		screw for motor
9300	481010884635 (C00508659)	1 x C00519666 (488000519666)	spring assy evo 62l

Electric schemes and links

Cod. se400011111458



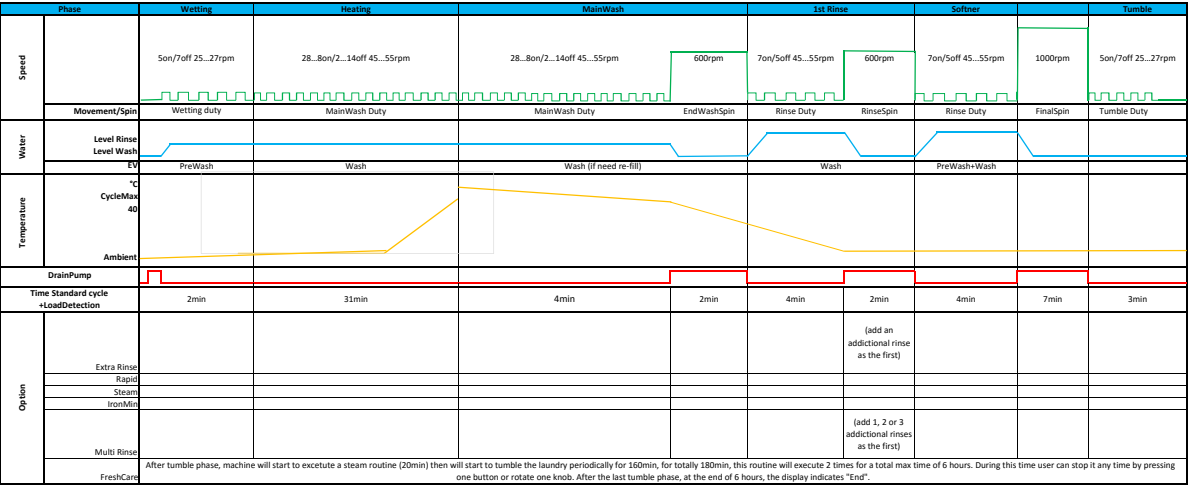
se400011111458

Legend

Legend: se400011111458

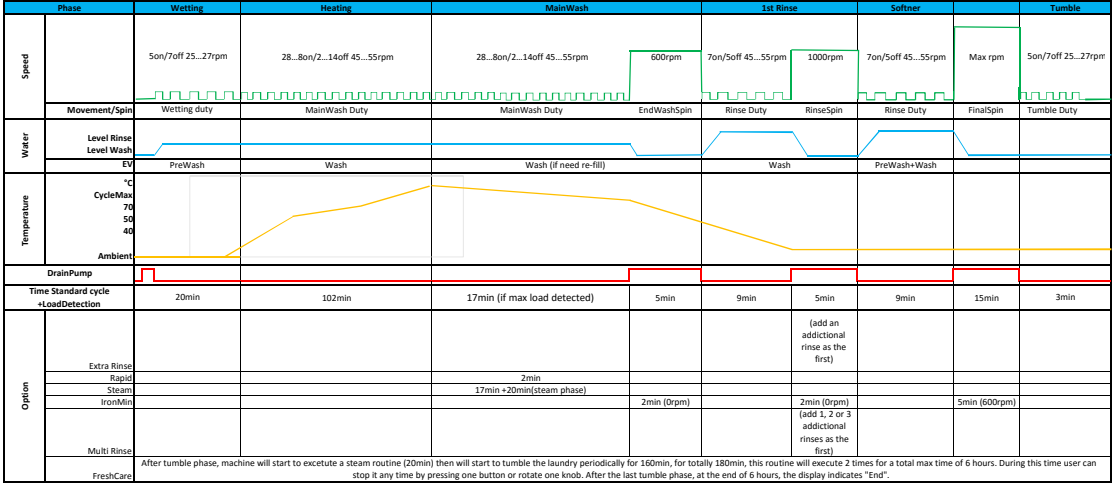
Cycle Name	Mixed (40°C 60min)
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Legend		
Phase	Duty/Rpm	Note
Wetting	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
MainWash	28...8on/2...14off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
EndWashSpin	600rpm	
Rinse	7on/5off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
RinseSpin	600rpm	
FinalSpin	1000rpm	
Tumble	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)



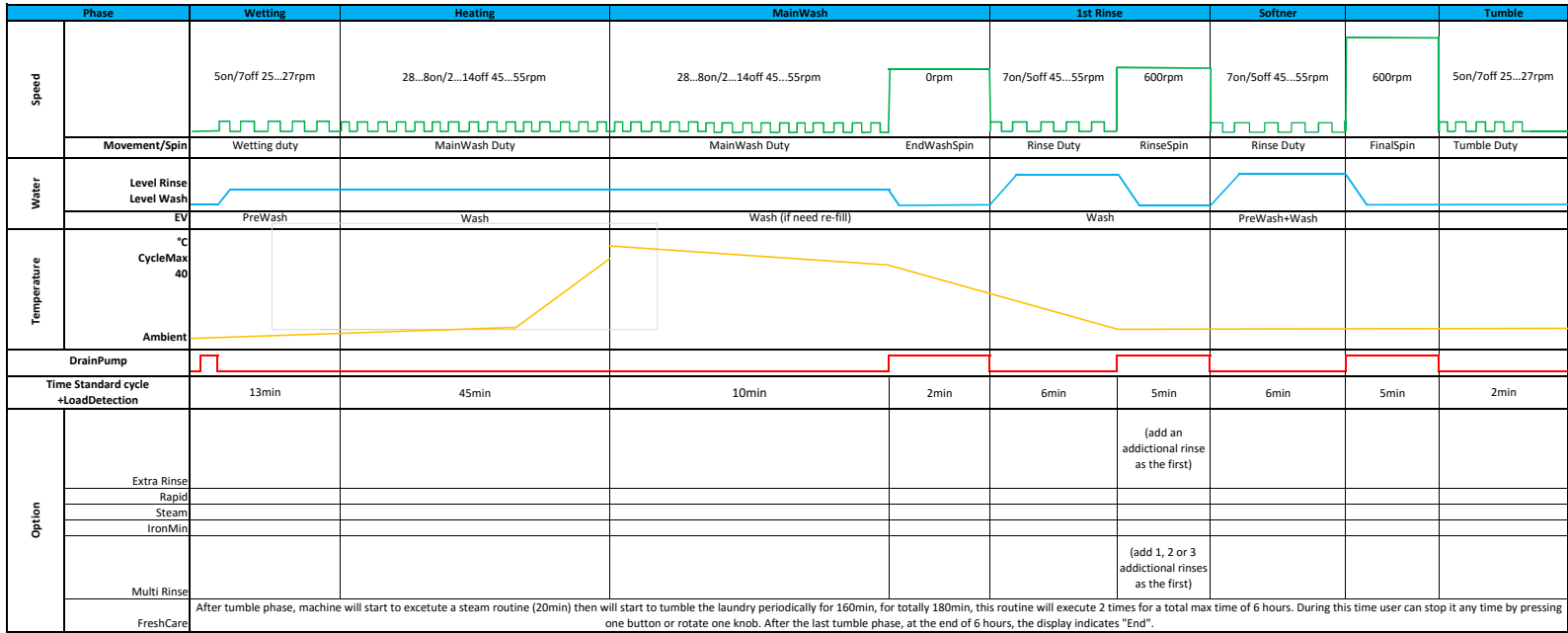
Cycle Name	White (60/90°C Cotton)
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Legend		
Phase	Duty/Rpm	Note
Wetting	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
MainWash	28...8on/2...14off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
EndWashSpin	600rpm	
Rinse	7on/5off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
RinseSpin	1000rpm	
FinalSpin	Max rpm	
Tumble	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)



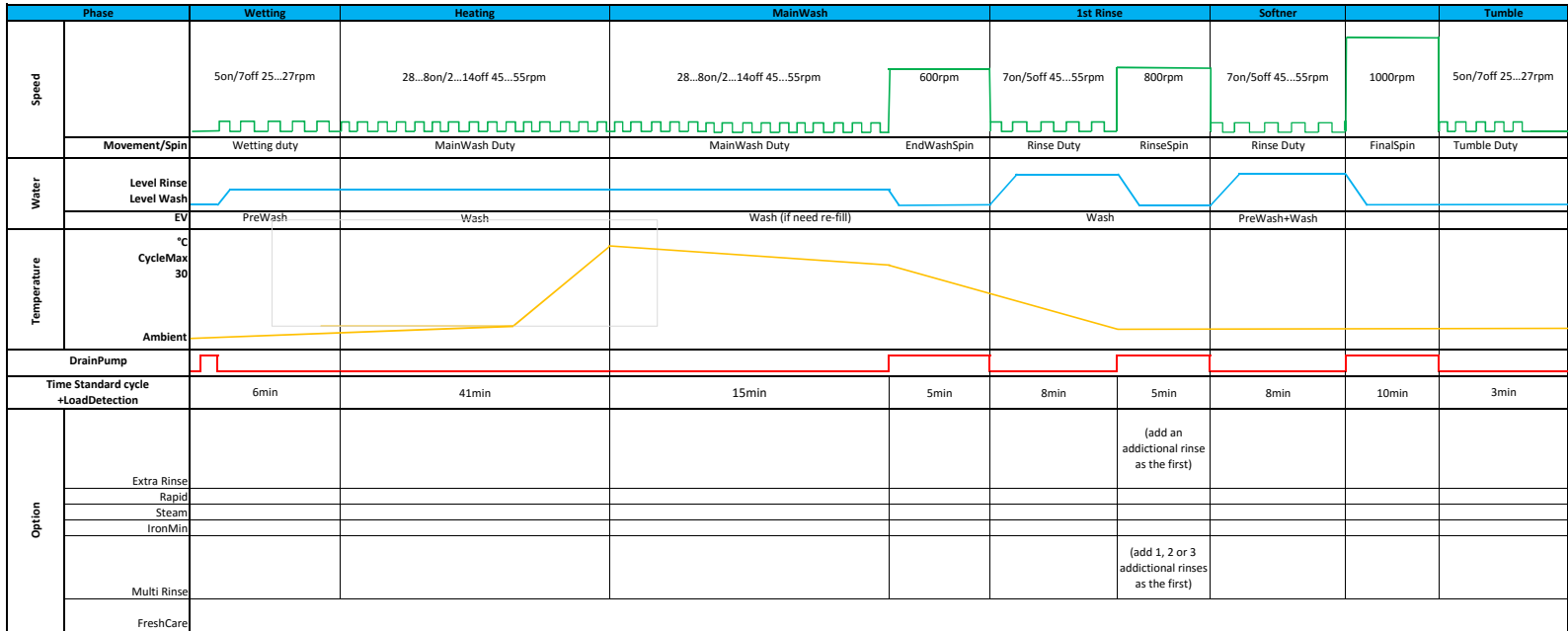
Cycle Name	Sport (40°C SportGym)
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Legend		
Phase	Duty/Rpm	Note
Wetting	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
MainWash	28...8on/2...14off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
EndWashSpin	0rpm	
Rinse	7on/5off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
RinseSpin	600rpm	
FinalSpin	600rpm	
Tumble	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)



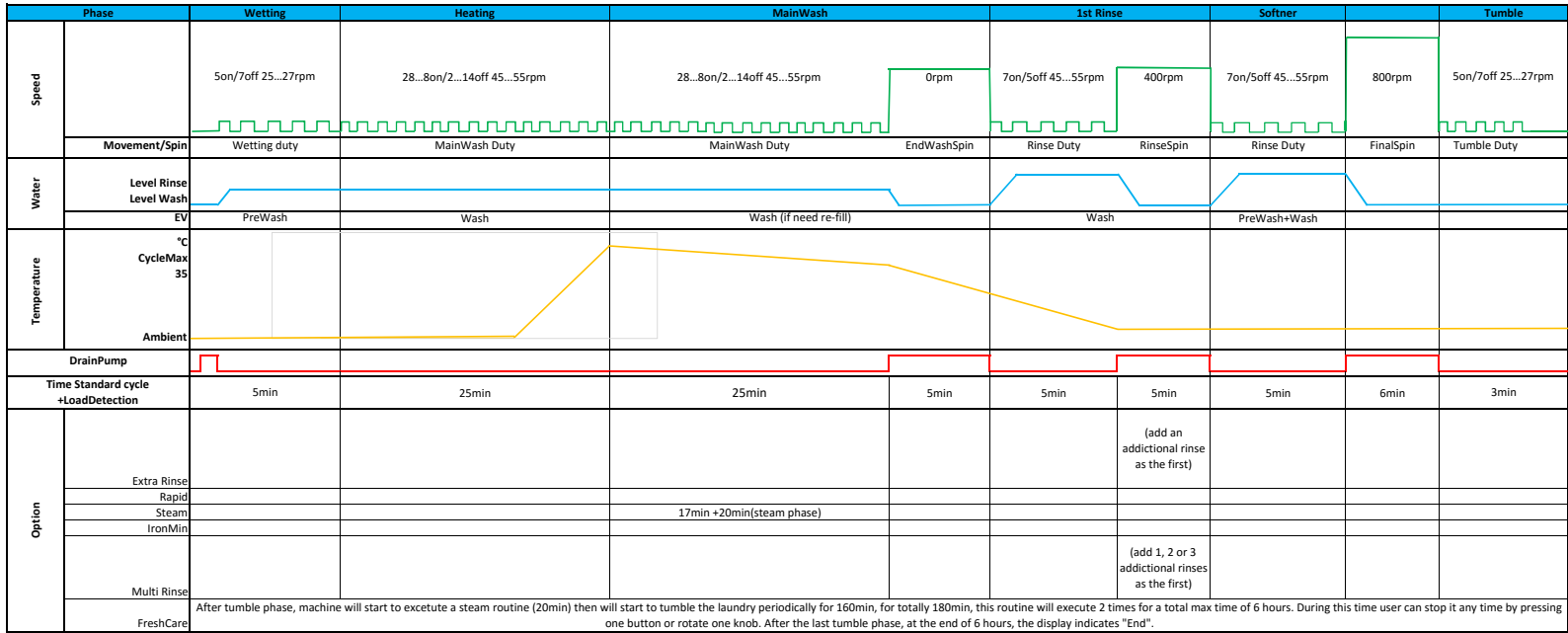
Cycle Name	Duvet (30°C Duvet)
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Legend		
Phase	Duty/Rpm	Note
Wetting	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
MainWash	28...8on/2...14off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
EndWashSpin	600rpm	
Rinse	7on/5off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
RinseSpin	800rpm	
FinalSpin	1000rpm	
Tumble	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)

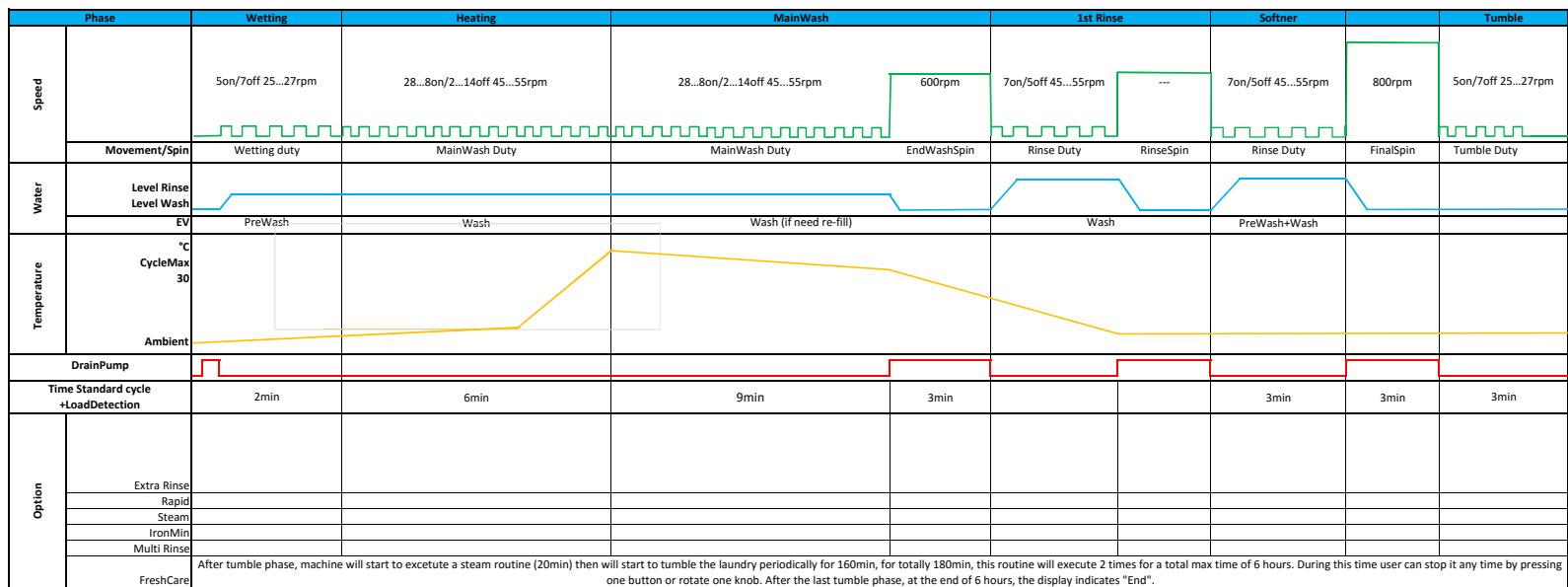


Cycle Name	Jeans (40°C Jeans)
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Legend		
Phase	Duty/Rpm	Note
Wetting	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
MainWash	28...8on/2...14off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
EndWashSpin	0rpm	
Rinse	7on/5off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
RinseSpin	400rpm	
FinalSpin	800rpm	
Tumble	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)

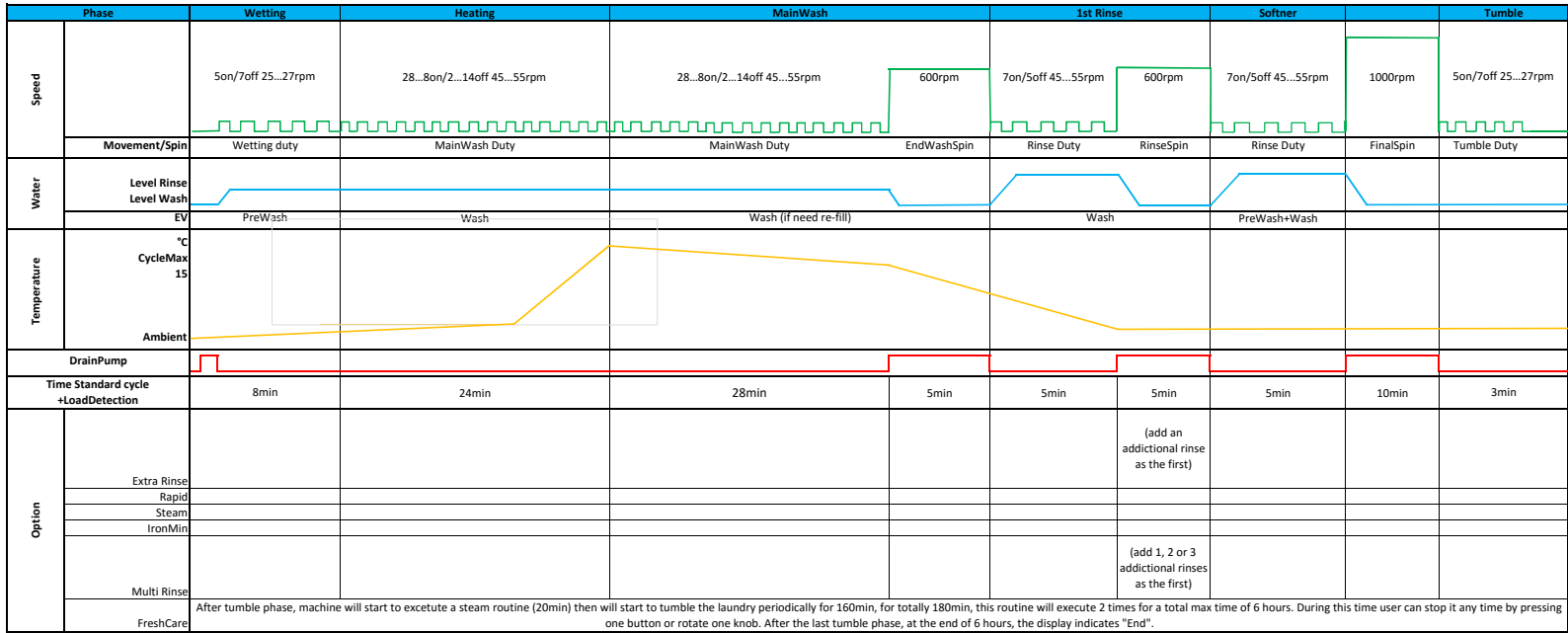


Cycle Name	Rapid 30min (30°C 30min)
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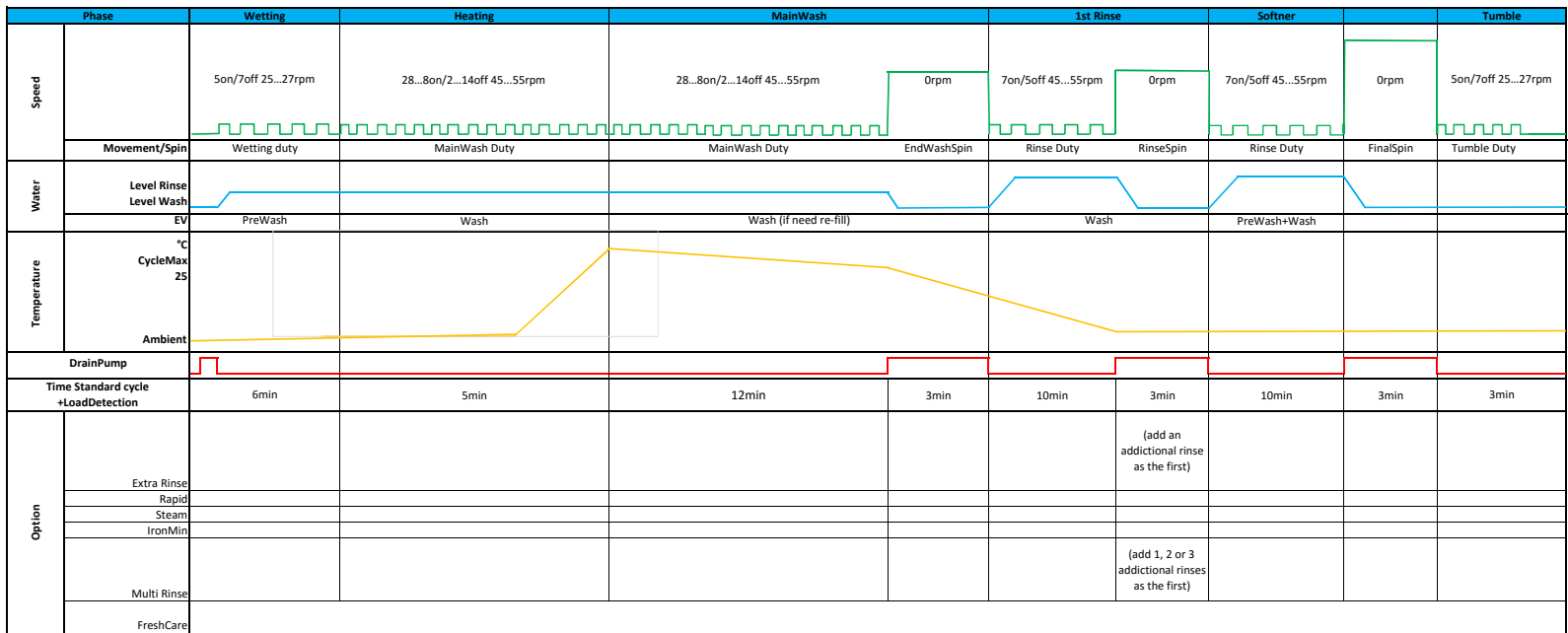
Cycle Name	Colour15°C
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Legend		
Phase	Duty/Rpm	Note
Wetting	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
MainWash	28...8on/2...14off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
EndWashSpin	600rpm	
Rinse	7on/5off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
RinseSpin	600rpm	
FinalSpin	1000rpm	
Tumble	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)



Cycle Name	Seta (30°C SetaTende)
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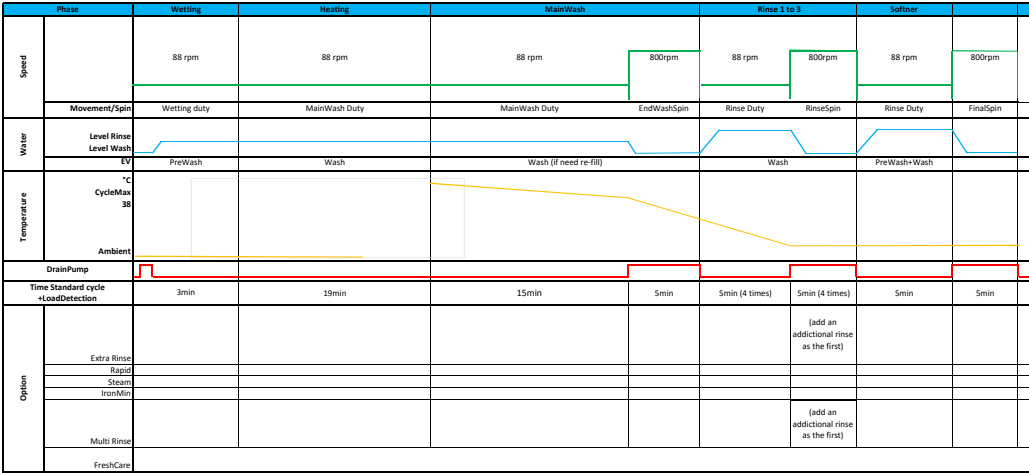
Legend		
Phase	Duty/Rpm	Note
Wetting	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
MainWash	28...8on/2...14off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
EndWashSpin	0rpm	
Rinse	7on/5off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
RinseSpin	0rpm	
FinalSpin	0rpm	
Tumble	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)



Cycle Name

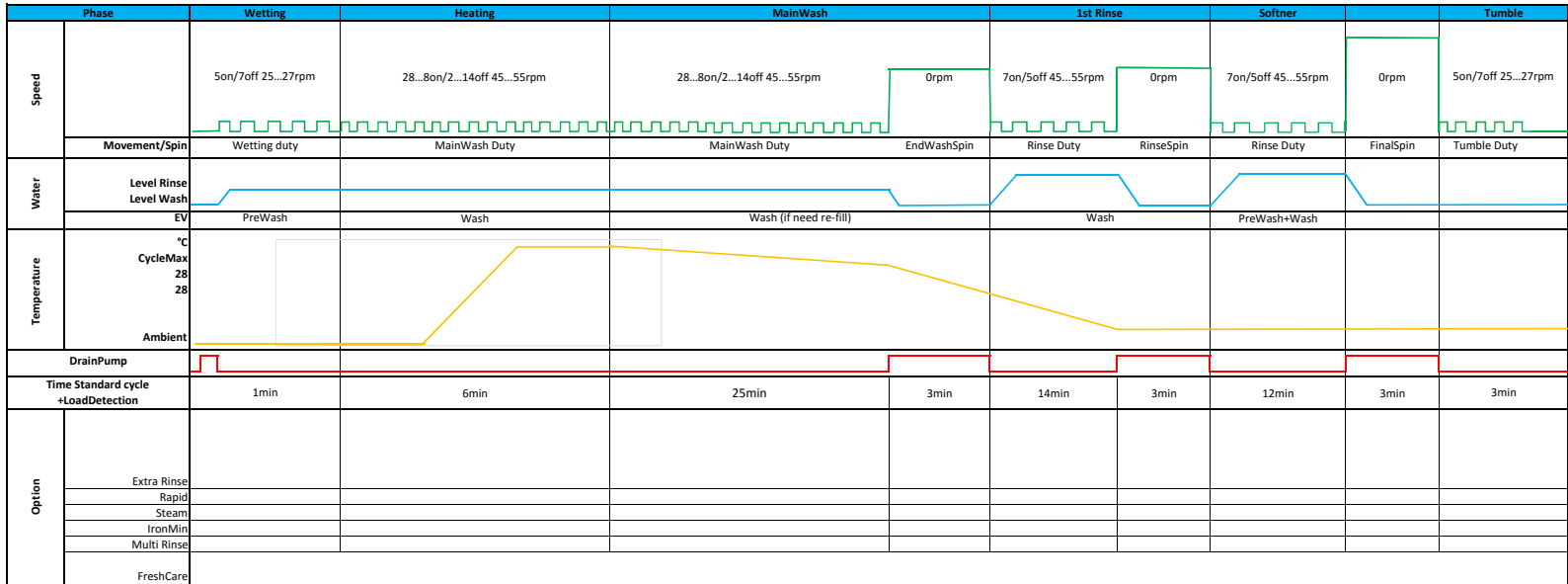
Wool (40°C LanaPlat)

Legend		
Phase	Duty/Rpm	Note
Wetting	88 rpm	Rpm and on/off time depends by motor technology (UM/CM/BPM)
MainWash	88 rpm	Rpm and on/off time depends by motor technology (UM/CM/BPM)
EndWashSpin	800rpm	
Rinse	88 rpm	Rpm and on/off time depends by motor technology (UM/CM/BPM)
RinseSpin	800rpm	
FinalSpin	800rpm	



Cycle Name	Delicates (30°C UltraDel)
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Legend		
Phase	Duty/Rpm	Note
Wetting	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
MainWash	28...8on/2...14off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
EndWashSpin	0rpm	
Rinse	7on/5off 45...55rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)
RinseSpin	0rpm	
FinalSpin	0rpm	
Tumble	5on/7off 25...27rpm	Rpm and on/off time depends by motor technology (UM/CIM/BPM)





Service Quick Guide

SQG_WM_24/5_EN

Indesit Company, Service Department

Arcadia Fault Codes (Full)

FAULT	SUB CODE	CAUSE	SERVICE ACTIONS
F01	0x01	Motor driving triac short circuit	- Check for water leaks that may affect connectors J009 (commutator) or J9 (three-phase) causing the relative contacts to short; - Check motor terminal board (any problems due to aggression caused by manufacturing chemical residues that may cause short circuits); - Renew PCB.
	0x02	Motor driving triac in diode mode	- Check for water leaks that may affect connectors J009 (commutator) or J9 (three-phase) causing the relative contacts to short; - Check motor terminal board (any problems due to aggression caused by manufacturing chemical residues that may cause short circuits); - Renew PCB.
	0x03	Motor feedback fault	- Check for water leaks that may affect connectors J009 (commutator) or J9 (three-phase) causing the relative contacts to short; - Check the motor terminal board (any problems due to aggression caused by manufacturing chemical residues that may cause short circuits); - Renew PCB.
	0x04	Motor relay contacts sticking, 2 motor relay contacts sticking (one open the other one closed), BP triac open	- Check for water leaks that may affect connectors J009 (commutator) or J9 (three-phase) causing the relative contacts to short; - Check motor terminal board (possible problems due to aggression caused by manufacturing chemical residues that may cause short circuits); - Renew PCB.
	0x12	Wash heating element feedback fault	- Check for water stains on the PCB and on connector J001 (commutator PCB) or J10 (three-phase PCB); - Check connections on wash heating element; - Renew PCB.
	0x14	Wash heating element relay open/diverter relay sticking on drain pump side / wash heating element feedback pin short circuit with Vdc	- Check efficiency of contacts on connector J001(commutator) or J10 (three-phase) on PCB; - Check continuity of wash heating element on connectors J001(Commutator) or J10 (Three-phase), pins 3 and 4. The 1700W 230V heating element impedance value is 30 Ohm +/- 10%. If value is different renew wash heating element; - Renew PCB.
	0x21	Drain pump feedback fault	- Check efficiency of contacts of connector J004 (commutator) or J11 (three-phase) on PCB; - Check continuity of pump on connectors J004 (commutator) or J11 (three-phase), pins 4 and 5 (in case of classic door lock); check that impedance value is 170 Ohm +/- 10%; - Check wiring of connectors J004 (commutator) or J11 (three-phase)/pump; - Renew PCB.
	0x23	Drain pump driving triac open	- Check efficiency of contacts of connector J004 (commutator) or J11 (three-phase) on PCB; - Check continuity of pump on connector J004 (commutator) or J11 (three-phase), pins 4 and 5 (in case of traditional door lock); check that impedance value is 170 Ohm +/- 10%; - Check wiring of connectors J004 (commutator) or J11 (three-phase)/pump; - Renew PCB.

Arcadia Fault Codes (Full)

FAULT	SUB CODE	CAUSE	SERVICE ACTIONS
F01	0x24	Drain pump driving triac in diode mode	- Check efficiency of contacts of connector J004 (commutator) or J11 (three-phase) on PCB; - Check continuity of pump on connectors J004 (commutator) or J11 (three-phase), pins 4 and 5 (in case of traditional door lock); check that impedance value is 170 Ohm +/- 10%; - Check wiring of connector J004/pump; - Renew PCB.
	0x31	Pressure switch full value off range (status pressure switch only)	- Check for water leaks that may affect connectors J006 or J7 (three-phase) causing the relative contacts to short; - Check pressure switch terminal board (possible problems due to aggression caused by manufacturing chemical residues that may cause short circuits); - Check wiring of connector J006 (commutator) or J7 (three-phase)/pressure switch; - Renew PCB.
	0x32	Overflow value out of range (status pressure switch only)	- Check for water leaks that may affect connectors J006 (commutator) or J7 (three-phase) causing the relative contacts to short; - Check pressure switch terminal board (possible problems due to aggression caused by manufacturing chemical residues that may cause short circuits); - Check wiring of connector J006 (commutator) or J7 (three-phase)/pressure switch; - Renew PCB.
	0x33	Pressure switch empty and overflow signal present simultaneously (status pressure switch only)	- Check for water leaks that may affect connectors J006 or J7 (three-phase) causing the relative contacts to short; - Check pressure switch terminal board (possible problems due to aggression caused by manufacturing chemical residues that may cause short circuits); - Check wiring of connector J006 (commutator) or J7 (three-phase)/pressure switch; - Renew PCB.
	0x41	Triac+dryer heating element relay open	- Disconnect appliance for 2 minutes. Check dryer heating element wiring and connectors; - Check that correct operation has been restored by starting the Autotest routine; - If fault reappears renew PCB.
	0x42	Dryer heating element feedback fault	- Disconnect appliance for 2 minutes. Check dryer heating element wiring and connectors; - Check that correct operation has been restored by starting the Autotest routine; - If fault reappears renew PCB.
	0x81	Hardware protection trip due to overcurrent (probably breakage of inverter branch)	- Check for water leaks that may affect connector J9 causing the relative contacts to short; - Check connector also on motor side; - Disconnect appliance for 2 minutes. Check that correct operation has been restored by starting the Autotest routine; - If fault reappears renew PCB.
	0x82	Incorrect reading of offsets from inverter channel U	- Check for water leaks that may affect connector J9 causing the relative contacts to short; - Check connector also on motor side; - Disconnect appliance for 2 minutes. Check that correct operation has been restored by starting the Autotest routine; - If fault reappears renew PCB.

Arcadia Fault Codes (Full)

FAULT	SUB CODE	CAUSE	SERVICE ACTIONS
F01	0x83	Incorrect reading of offsets from inverter channel V	- Check for water leaks that may affect connector J9 causing the relative contacts to short; - Check connector also on motor side; - Disconnect appliance for 2 minutes. Check that correct operation has been restored by starting the Autotest routine; - If fault reappears renew PCB.
	0x84	Incorrect reading of offsets from inverter channel W	- Check for water leaks that may affect connector J9 causing the relative contacts to short; - Check connector also on motor side; - Disconnect appliance for 2 minutes. Check that correct operation has been restored by starting the Autotest routine; - If fault reappears renew PCB.
F02	0x01	Motor tripped / not wired, 1 or 2 motor relays sticking (both open or closed), motor tachogenerator open / short circuited	- Check whether motor is blocked mechanically; - Check efficiency of contacts on connector J9 on PCB; - Check the tachogenerator winding and check that there is an impedance value of between 115 and 170 Ohm on the wiring connector J9 between pins 1 and 2; - In case of short circuit or open circuit check wiring between pins 1 and 2 of J9 relative to the tachogenerator; - Renew motor; - Renew PCB.
	0x81	One motor phase disconnected during motor run	- Check that connector J9 is correctly inserted. Board side and motor side; - Check motor windings by checking wiring connector J9 between pins: 3 and 4, 4 and 5, 3 and 5 for the presence of an impedance value below 100 Ohm; - If open circuit detected renew motor.
	0x82	Overcurrent on one phase	- Check for water leaks that may affect connector J9 causing the relative contacts to short; - Check connector also on motor side; - Disconnect appliance for 2 minutes. Check that correct operation has been restored by starting the Autotest routine; - If fault reappears renew PCB.
	0x83	Current reading below threshold on two of the phases measured	- Check that connector J9 is correctly inserted. Board side and motor side; - Check motor windings by testing wiring connector J9 between the following pins: 3 and 4, 4 and 5, 3 and 5; impedance value must be below 100 Ohm; - If open circuit detected renew motor.
	0x84	No switching at motor start	- Check to ensure motor rotor is not mechanically jammed or seized; - Check tachogenerator winding and check that impedance value on wiring connector J009 between pins 1 and 2 is between 115 and 170 Ohm; - In case of short circuit or open circuit check wiring between pins 1 and 2 of J009 relative to the tachogenerator; - Renew motor; - Renew PCB.
	0x85	No tachogenerator signal with speed value higher than that of distribution	- Check to ensure motor is not mechanically jammed or seized; - Check tachogenerator winding and check that impedance value on wiring connector J9 between pins 1 and 2 is between 115 and 170 Ohm; - In case of short circuit or open circuit check wiring between pins 1 and 2 of J9 relative to the tachogenerator; - Renew motor; - Renew PCB.

Arcadia Fault Codes (Full)

FAULT	SUB CODE	CAUSE	SERVICE ACTIONS
F02	0x86	One drum revolution not completed in 5s	- Check to ensure motor rotor is not mechanically jammed or seized; - Check tachogenerator winding and check that impedance value on wiring connector J9 between pins 1 and 2 is between 115 and 170 Ohm; - In case of short circuit or open circuit check wiring between pins 1 and 2 of J9 relative to the tachogenerator; - Renew motor; - Renew PCB.
	0x87	After 256 seconds motor stop not detected	- Check tachogenerator winding and check that impedance value on wiring connector J9 between pins 1 and 2 is between 115 and 170 Ohm; - In case of short circuit or open circuit check wiring between pins 1 and 2 of J9 relative to the tachogenerator; - Renew motor; - Renew PCB.
	0x88	High frequency noise on signal	- Check tachogenerator winding and check that the impedance value on wiring connector J9 between pins 1 and 2 is between 115 and 170 Ohm; - In case of short circuit or open circuit check wiring between pins 1 and 2 of J9 relative to the tachogenerator; - Renew motor; - Renew PCB.
	0x89	Low frequency noise on signal	- Check tachogenerator winding and check that the impedance value on wiring connector J9 between pins 1 and 2 is between 115 and 170 Ohm; - In case of short circuit or open circuit check wiring between pins 1 and 2 of J9 relative to the tachogenerator; - Renew motor; - Renew PCB.
F03	0x01	NTC washing sensor short circuit	- Check efficiency of contacts of connector J005 (commutator) or J12 (three-phase) on PCB; - Check NTC ensuring that the impedance value at ambient temperature (20°C) on wiring connector J005 (commutator) or J12 (three-phase), pins 1 and 2, is approximately 20 KOhm; - If measurement is incorrect check continuity of wiring J005 (commutator) or J12 (three-phase), pins 1 and 2/NTC; - Check the same parameter directly on the NTC; - Renew NTC; - Renew PCB.
	0x02	NTC washing sensor open circuit	- Check efficiency of contacts of connector J005 (commutator) or J12 (three-phase) on PCB; - Check NTC ensuring that the impedance value at ambient temperature (20°C) on wiring connector J005 (commutator) or J12 (three-phase), pins 1 and 2, is approximately 20 KOhm; - If measurement is incorrect check continuity of wiring J005 (commutator) or J12 (three-phase), pins 1 and 2/NTC; - Check the same parameter directly on the NTC; - Renew NTC; - Renew PCB.
F05	0x01	Pressure switch empty condition not reached (valid for linear and status pressure switch) or drain pump jammed (valid for linear and status pressure switch)	- If status type pressure switch, check component directly - Check efficiency of contacts on PCB; - Check pressure switch wiring - Check continuity of pump on connector pins 4 and 5 (in case of classic door lock), ensuring that impedance value is 170 Ω +/- 10%; - Check the wiring of pins 4 and 5/pump; - Check pump filter, drain hose and wall drain outlet. Reset the appliance with the OFF button, also after Fault resetting with plug. Check the appliance pressure switches reaches full without Faults at the next cycle - Replace the drain pump; - Replace the linear pressure switch; - Replace the main PCB.

Arcadia Fault Codes (Full)

FAULT	SUB CODE	CAUSE	SERVICE ACTIONS
F05	0x02	off range (linear pressure switch only)	- Check efficiency of contacts of connector J006(collector) J7(three-phase) on PCB; - Check wiring of J006(collector) J7(three-phase)/Pressure switch - Check continuity of pump on connectors J004(collector) J11(three-phase) pins 4 and 5 (in case of classic door lock), ensuring that impedance value is 170 Ω +/- 10%; - Check wiring of J004(collector) J11(three-phase) pins 4 and 5/ pump; - Check pump filter and wall drain outlet; - Empty the tank; reprogram the eeprom; re-run the autotest; - If the problem persists, replace the pressure switch; - If the problem persists, renew the PCB.
	0x03	Absence or off high range on frequency reading (linear pressure switch only)	- Check pressure switch wiring connection on board side and component side; - Empty tank; reprogram Eeprom; restart autotest routine; - If problem persists renew pressure switch; - If problem persists renew PCB.
F06	0x01	Door lock fails to close, PTC door lock triac open, mains frequency signal fault, mains power signal fault	- Check for water leaks that may affect connectors J004 or J11 (three-phase) causing the relative contacts to short; - Check the Door lock terminal board (possible problems due to aggression caused by manufacturing chemical residues that may cause short circuits); - Check J004/door lock wiring; - Check door lock; - Renew PCB.
	0x02	Door lock fails to open / IMP door lock triac short circuit /open circuit	- Check for water leaks that may affect connectors J004 or J11 (three-phase) causing the relative contacts to short; - Check Door lock terminal board (possible problems due to aggression caused by manufacturing chemical residues that may cause short circuits); - Check J004/door lock wiring; - Check door lock; - Renew PCB.
F07	0x01	Heating element not wired (heating timeout)	- Check efficiency of contacts on connector J001 (commutator) or J10 (three-phase) on PCB; - Check for continuity of wash heating element on connectors J001 (Commutator) or J10 (Three-phase), pins 3 and 4. The 1700W 230V heating element impedance value is 30 Ohm +/- 10%. If value is different renew wash heating element; - Renew PCB.
F08	0x01	Wash heating element earth leakage / wash heating element relay short circuit	- Check efficiency of contacts on connector J001 (commutator) or J10 (three-phase) on PCB; - Check leakage between the two ends and ground, impedance should be at least 2 MOhm; - Renew heating element; - Renew PCB.
F09	0x01	Setting File error detected by Main PCB	- Disconnect appliance, wait for 2 minutes and reconnect to power supply, then start autotest routine; If the problem persists proceed as follows: - Reprogram PCB; - Renew main PCB; - Renew display PCB.
	0x02	Setting File error detected by user interface PCB	- Disconnect appliance, wait for 2 minutes and reconnect to power supply, then start autotest routine; If the problem persists proceed as follows: - Reprogram PCB; - Renew main PCB; - Renew display PCB.

Arcadia Fault Codes (Full)

FAULT	SUB CODE	CAUSE	SERVICE ACTIONS
F09	0x81	Three-phase area incorrect check-sum	- Disconnect appliance for 2 minutes. Check that correct operation has been restored by starting the Autotest routine; - Reprogram setting file; - If fault reappears renew main PCB.
	0x82	Incorrect number of three-phase parameters (mismatch in length of data setting file expected by DSP firmware)	- Disconnect appliance for 2 minutes. Check that correct operation has been restored by starting the Autotest routine; - Reprogram setting file; - If fault reappears renew main PCB.
	0x83	Failure of reading of the setting file for 5 times	- Disconnect appliance for 2 minutes. Check that correct operation has been restored by starting the Autotest routine; - Reprogram setting file; - If fault reappears renew main PCB.
F11	0x01	Pump not wired / pump driving triac short circuit /diverter relay sticking on washing heating element side/ drain pump feedback pin in short with Vdc	- Check efficiency of contacts of connector J004 (commutator) or J11 (three-phase) on PCB; - Check on connector J004 (commutator) or J11(three phase) pins 4 and 5 (in case of conventional door lock); - Check continuity of pump, ensuring that impedance value is 170 Ohm +/- 10%; - Check wiring of connectors J004 (commutator) or J11 (three-phase)/pump; - Renew pump; - Renew PCB.
F12	0x01	Communication error between power PCB and interface PCB	- Check efficiency of contacts on connector J010 (Commutator) or J16 (Three-phase) on PCB; - Check efficiency of contacts on Display PCB; - Check continuity of J010 (Commutator) or J16 (Three-phase)/ Display PCB wiring; - Disconnect appliance, wait for 2 minutes and reconnect to power supply, then start autotest routine; If problem persists proceed as follows: - Renew main PCB; - Renew display PCB.
F13	0x01	NTC dryer sensor open / short-circuiting. Fan Motor jammed. Condenser or blower clogged	- Check the condenser filter is not clogged; - Check there is no fluff in the blower fan; If the components are clean or the problem persists despite cleaning, then: - Check the efficiency of the connector contacts of the NTC on the main PCB; - Check the impedance value of the NTC on the relevant connector (next to Main PCB) between pin 1 and pin 2. The impedance value at ambient temperature (20°C) must be approximately 20kΩ; - If measurement is incorrect, check NTC wiring; - Check the same parameter (20kΩ) directly on the NTC. - Replace the NTC; - Replace the main PCB.
	0x02	NTC dryer sensor open circuit	- Check the condenser filter is not clogged; - Check there is no fluff in the blower fan; If the components are clean or the problem persists despite cleaning, then: - Check the efficiency of the connector contacts of the NTC on the main PCB; - Check the impedance value of the NTC on the relevant connector (next to Main PCB) between pin 1 and pin 2. The impedance value at ambient temperature (20°C) must be approximately 20kΩ; - If measurement is incorrect, check NTC wiring; - Check the same parameter (20kΩ) directly on the NTC. - Replace the NTC; - Replace the main PCB.

Arcadia Fault Codes (Full)

FAULT	SUB CODE	CAUSE	SERVICE ACTIONS
F15	0x01	Triac+dryer heating element short-circuit / dryer heating element leakage on thermofuse side / dryer heating element interrupted / diverter relay sticking on wash heating element side / dryer heating element pin feedback in short-circuit with Vdc / Pump not wired / short-circuit of triac driving pump / diverter relay sticking on wash heating element side / drain pump pin feedback in short-circuit with Vdc / Prewash solenoid valve not wired.	- Check efficiency of relative contacts on the connector on PCB side; - Check the connector of the dryer heating element (1500W / 230V), ensuring between pins 1 and 2 that the impedance value is approximately 36 Ω; - Check leakage between the two ends and ground, impedance should be at least 2 MΩ; - Check efficiency of Drain Pump contacts on PCB; - Check continuity of Drain Pump on connector (pins 4 and 5 in case of classic door lock), ensuring that impedance value is 170 Ω +/- 10%; - Check the drain pump wiring; - Check the Solenoid Valve connectors and wiring; - Replace the drain pump; - Replace the dryer heating element; - Replace the damaged solenoid valve; - Replace the main PCB.
	0x02	Diverter relay sticking on dryer heating element side / dryer heating element ground fault on diverter relay side	- Check efficiency of contacts on connector J012 (commutator) or J13 (three-phase) on PCB; - Check continuity of dryer heating element on pins 1 and 2 of connector J012 (commutator) or J13 (three-phase) ensuring that the impedance value for the 1500W 230V heating element is approximately 36 Ohm; - Check leakage between the two ends and ground, impedance should be at least 2 MOhm; - Renew dryer heating element; - Renew PCB.
F16	0x01	Drum lock triac open, drum lock feedback fault	- Check for 220 V power at the lock; - Check the connectors; - Check continuity of wiring; - Replace PCB.
F18	0x01	No UART communication between DSP and Main PCB	- Disconnect appliance for 2 minutes. Check that correct operation has been restored by starting the Autotest routine; - If fault reappears renew main PCB.
F19	0x01	Fan motor not wired / Fan motor driving triac short circuit or Switch relay contacts sticking / Fan motor pin feedback in shot circuit with Vcc	- Check efficiency of connector and wiring continuity on the blower fan; - Check efficiency of connector and wiring continuity on the heating element of the blower; - Check fan motor is not in short circuit or open circuit; - Check fan motor turns freely (it is not blocked partially); - Replace the main PCB.