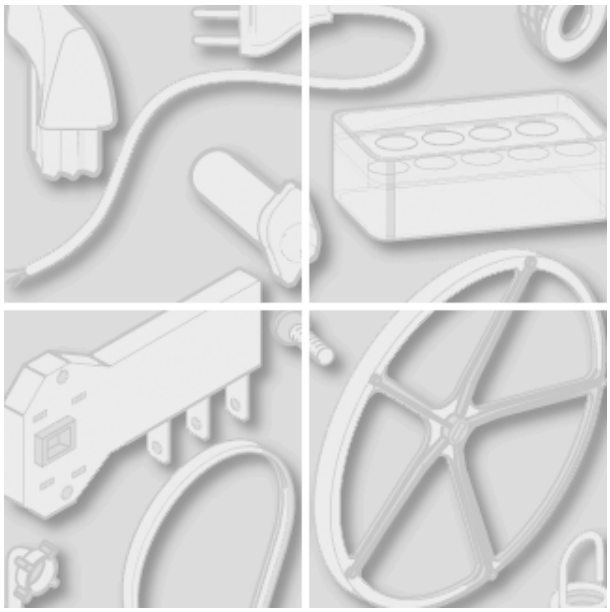
INDESIT company



Model type:
AVF109EU

Commercial code:
F034219

General notes

Technical Documentation guidelines

You can find herewith some generic information to simplify cunsulting of technical documentation:

1. Models of same range share the same exploded views, which report the richest set of spare parts:generally, a model does not necessarly have a related spare part for each particular shown on exploded views.

2. Some spare parts can not be represented directly on the exploded views (instruction booklets, specific kit, etc...). You can find those codes in the spare parts list with the same reference of particular where spares are installed or with references 099, 999. Instruction booklets, once managed, appear with 000 reference.

3. On the higher right site of each exploded view there is a serial number which indicates the beginning of the production of certain range:some models might have more than an exploded view for a given category, each distinguished by a different serial no.and linked to another spare parts list, In this case, serial no. is required to supply the right spare part code. Exploded view to be considered is the one with a more recent serial no. but previous than the one of the model that needs assistance.

4.Exploded views might require further updates even after publishing. Addition of new spares will go on following the already existing numeration references. Revision number of an exploded view is shown into last four digits of serial number into upper right hand corner.

5.The spare parts list associated to an exploded view shows related codes of spares managed for a certain model; for each spare part other informations are available:

REF: reference no of spare into a table; SUBSTITUTE: list of spare(s) which can replace a code but that keeps same functional characteristics

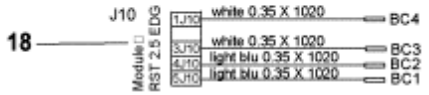
INDUSTRIAL CODE: list of variables of a model (shown into model label) where such spare is used; NOTICE: code of information(s) to refer to complete technical intervention, track for changes or to find correct spare part code.

6. Some notices, into a same section are generic therefore cannot be directly linked to a spare part. In order to assist a model in the best way as possible, it is helpful to pay attention to all notices and constantly verify documentation updates

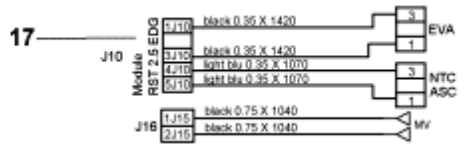
7.Technical documentation cover shows model name and its commercial codes

1140960 Exploded views

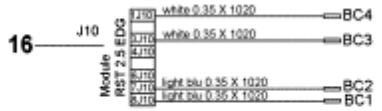
The new wiring when fitted, must be securely attacched to the machine wiring with insulating tape. **Matr. 61116.0001**



WIRING P = DRUM BLOCK COD. C00141995



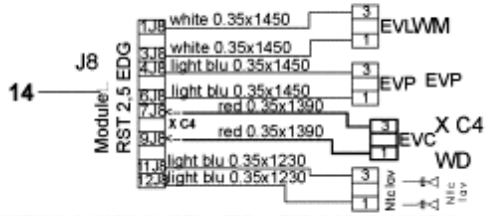
WIRING F = EVA+NTCAS / WIRING G = MTV COD. C00141769



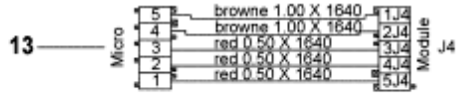
WIRING P = DRUM BLOCK COD. C00112822



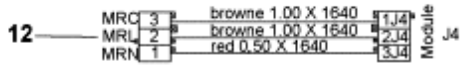
WIRING B2 = DISPLAY CONNECTION COD. C00111227



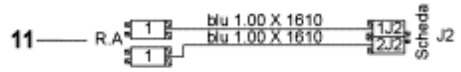
WIRING C1(WM) C3(WD) = EVL + EVP COD. C00093713
WIRING C4 (WD) = EVL + EVP + EVC COD. C00109950



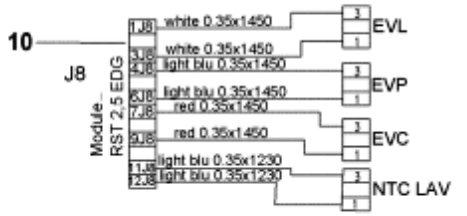
WIRING D = INTERLOCK. + MICRO SWITCH COD. C00093714



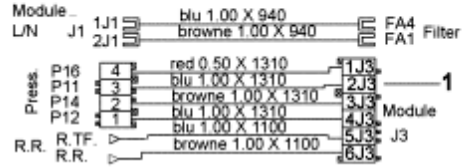
WIRING D1 = INTERLOCK. COD. C00093715



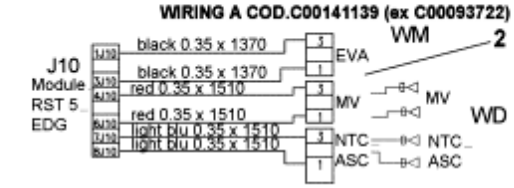
WIRING H = DRYING ELEMENT COD. C00093716



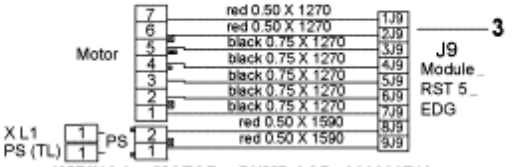
WIRING C = EVL + EVP + EVC COD. C00093724



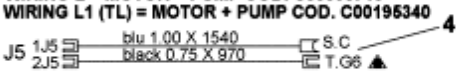
WIRING A COD.C00141139 (ex C00093722)



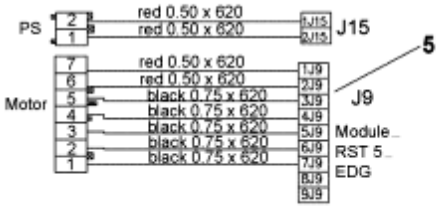
WIRING F = EVA + MV + NTCAS COD.C00093717



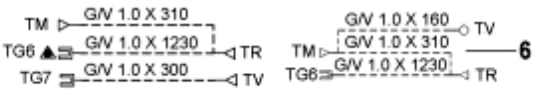
WIRING L = MOTOR + PUMP COD. C00093718
WIRING L1 (TL) = MOTOR + PUMP COD. C00195340



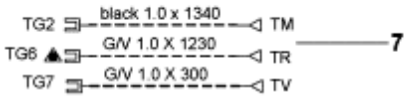
WIRING I = CONDUCTIVITI SENSOR COD. C00093725



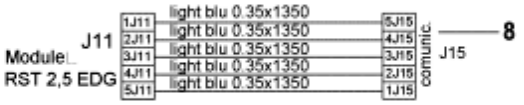
WIRING N = MOTOR + PUMP COD. C00093719



WIRING X = EART STD MACCHINE COD. C00093720



WIRING Y = EART TRI-PHASE MACCHINE COD. C00093721



WIRING B1 = MAIN-DISPLAY CONNECTION COD. C00093726



WIRING B = SELECTION CONNECTION COD. C00093723

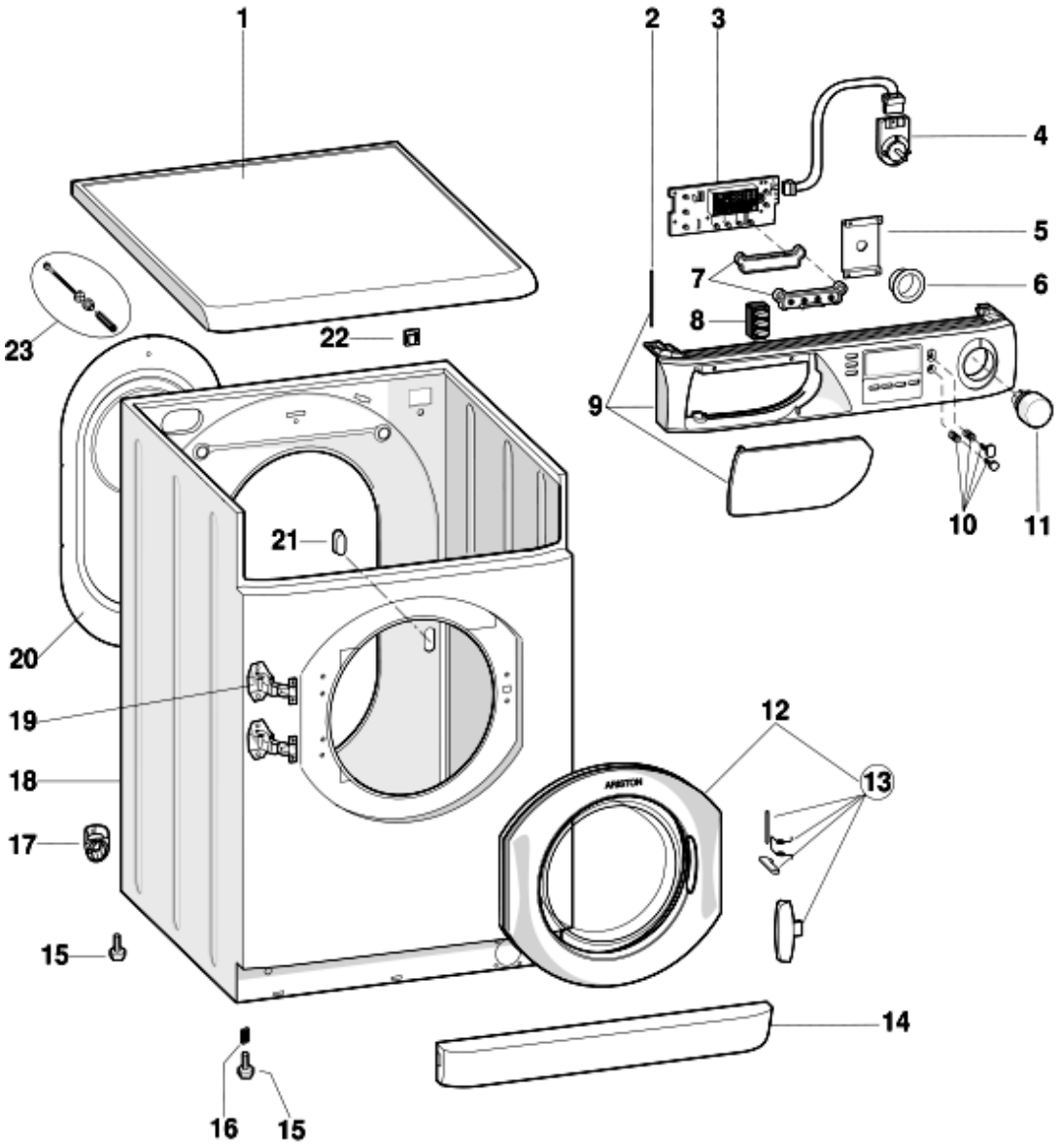
1140960

1140960 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
001	C00141139				wiring		
004	C00093725				wiring conducibility sensor		
005	C00093719				wiring pump-motor-module		
006	C00093720				wiring standard earth	n1040350	
007	C00093721				wiring earth triphase	n1040350	
008	C00093726				wiring display		
013	C00093714				wiring door lock-module j4		
014	C00093713				wiring ntc-evl+evp-module j8		

1230150B Exploded views

Matr. 41105.000



1230150B

1230150B

Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
000	C00114274				user instructions booklet gb-pl-hu-		
001	C00091867			1 x C00116550	worktop - white 595 x 522 mm		91342190000 91342190052
001	C00116550				worktop - white(pw) 595 x 522		
002	C00091882				pivot pin drawer front 106.5x5		
003	C00143089				control digit big-size rohs		
004	C00087067			1 x C00143095	programme select bitron 16		
005	C00091890				potentiometer support avd		
006	C00094065			1 x C00118964	knob timer disc 28 pr b27		91342190000 91342190052
006	C00116381			1 x C00203083	knob timer disc pw		
007	C00114263				white push buttons display avf		
008	C00111997				button pad		
009	C00114276				control panel + handle avf109eu-		91342190000 91342190052
009	C00116799				control panel + handle pw		
010	C00110115				white pushbutton on-off/reset kit		91342190000 91342190052
010	C00116359			1 x C00110115	push button on-off/start kit white		
011	C00091873			1 x C00115953	wash timer knob white 27 avd		91342190000 91342190052
011	C00115953				wash timer knob white pw avd		
012	C00092157			1 x C00115670 1 x C00115678	door frame and glass assy	n1040352	91342190000 91342190052
012	C00115670			1 x C00116553	door frame+glass assy evoii b27	n1040352	91342190000 91342190052
012	C00116240				door frame+glass assy evoii pw		
013	C00092158			1 x C00116576	door handle kit b27 ariston		91342190000 91342190052
013	C00116576				door handle assy white pw		
014	C00110325			1 x C00116552	plinth white		91342190000 91342190052
014	C00116552				plinth white pw		
015	C00087084				foot		
016	C00083828				foot spring (11x8.5mm)		

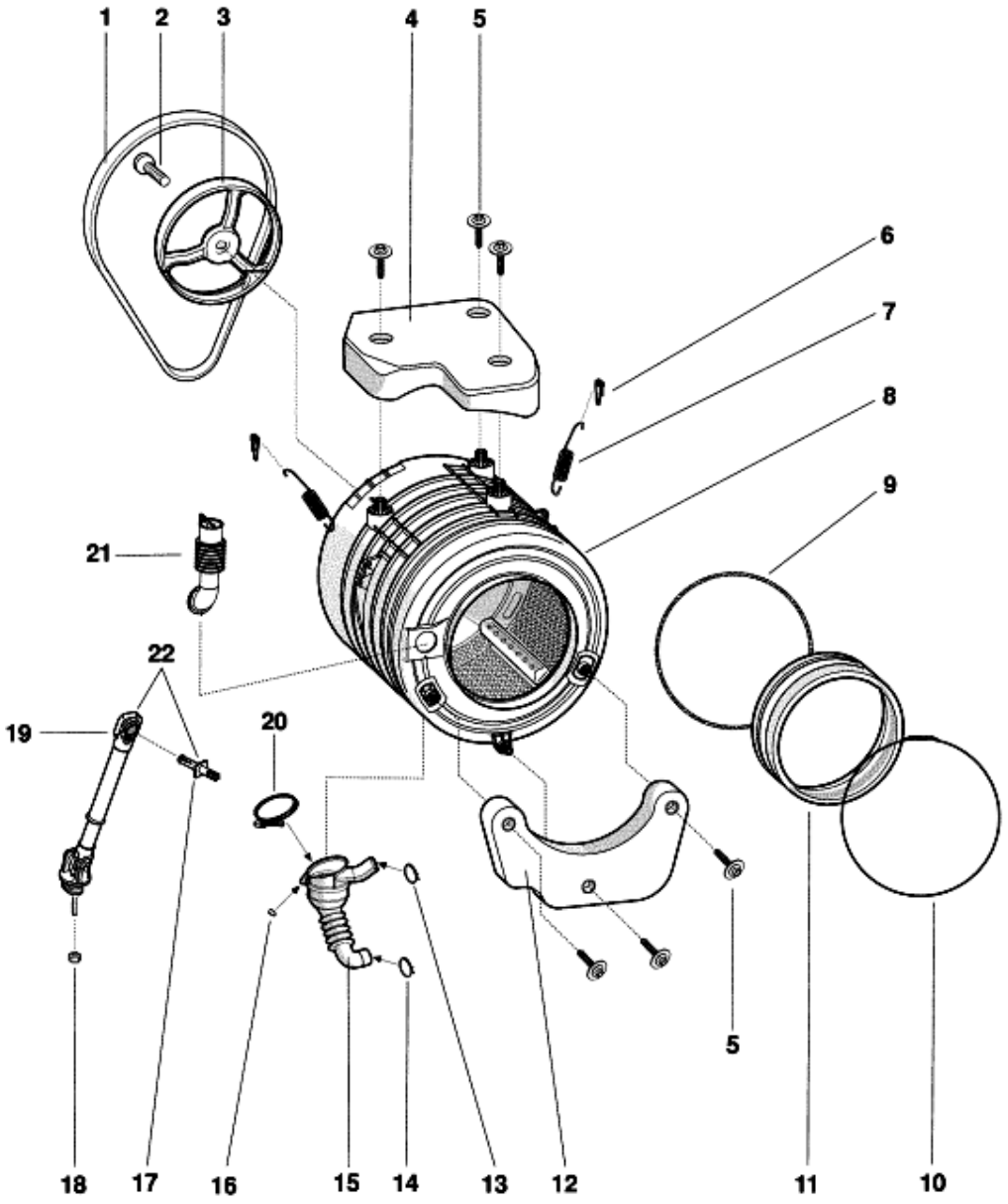
1230150B

Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
017	C00046666				collar for drain hose		
018	C00097549			2 x C00115666 1 x C00115676 1 x C00116032	cabinet white27 5kg ariston evo2	n1040352	91342190000 91342190052
018	C00116032			1 x C00117001	cabinet white27 5kg ariston evoii	n1040352	91342190000 91342190052
018	C00117001				cabinet white(pw) 5kg ariston		
019	C00064541				outer door hinge assembly	n1040352	
019	C00115666				zama hinge 150°	n1040352	
020	C00081698			1 x C00116998	rear cover - white27		91342190000 91342190052
020	C00116998				rear cover - white(pw)		
021	C00084817				blanking plate-rear(test plug)		
022	C00041575				adhesive hook		
023	C00094777			1 x C00145769	kit lock tub l=105 evo2		
099	C00046667				wiring stop		
099	C00064550				drain hose holder		
099	C00065871				blanking plug		
099	C00089419				blanking plug 6.5 mm		

1230220 Exploded views

Matr. 30711.000

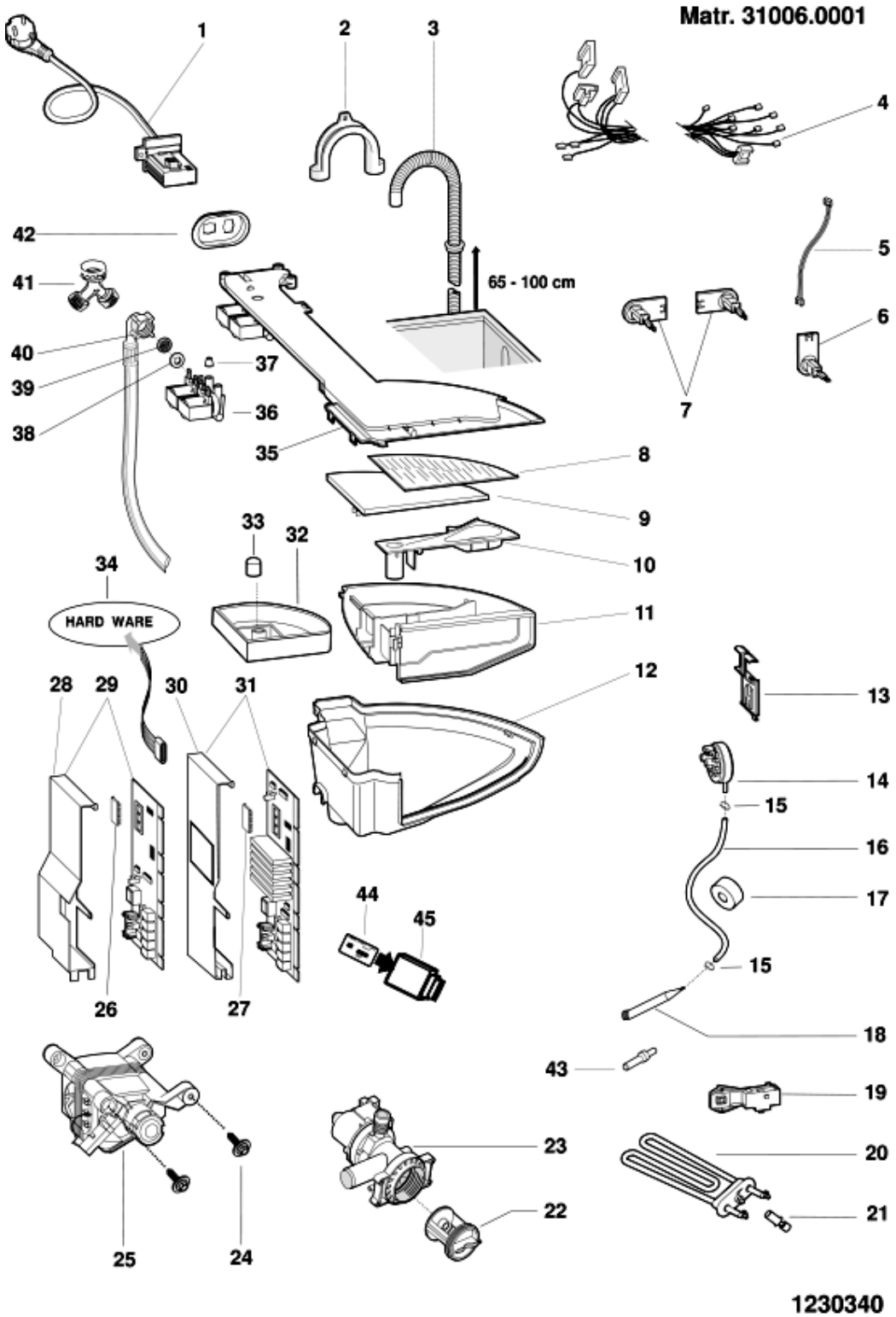


1230220

1230220 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
001	C00095888				belt 1060h9	n1040396	91342190000
							91342190052
							91342190900
							91342190905
001	C00141664				belt 1205j5/1208j5		91342190907
002	C00064786			1 x C00143260	bolt m8x23 torx tefl		
003	C00064527				drum pulley cone d=280 mm h=		91342190907
003	C00066080				drum pulley cone d=210 mm h=	n1040396	91342190000
							91342190052
							91342190900
							91342190905
004	C00094710				top ballance weight 15kg		
005	C00094741			1 x C00118612	screw locking counterweight/tub		
006	C00064515				anchorage pad - suspension		
007	C00109645				tank spring		
008	C00094782				tank plastic 46l (5kg) evoii h20##		
009	C00092156				door seal retainer front		
010	C00092155				door seal- rear retainer		
011	C00092154		41231...		door seal		
011	C00111416	50101...			door seal (30cm) (hl)		
012	C00275920				front ballance weight 9,4kg		
013	C00008612				tube clamp 34,6-36,4		
014	C00092411			1 x C00094908	hose clamp		
015	C00092174				hose tank to filter with oko ball		
016	C00092412				hose clamp		
017	C00055037				plastic expansion rivet	n1040373	
017	C00118593			1 x C00280757	plastic expansion peg		
018	C00065152				nut romob m6x22x1,5		
019	C00094712			1 x C00115753	shock absorber 100n	n1040373	
019	C00118592				shock absorber 100n evoii		
020	C00094908				hose clamp		
021	C00066183				hose dispenser to tank		
022	C00141042				shock absorber 100n kit	n1040373	

1230340 Exploded views



1230340 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
001	C00094203			1 x C00115769	supply cable 3 x 1.0 1,5mt shuko	n1040350	
001	C00115769				supply cable 3 x 1.0 1,5mt shuko	n1040350	
002	C00019902				plastic -u- to make drain hose		
003	C00027466				drain hose - to sink l=1860mm		
005	C00112238				wiring dashboard lbe digit		
008	C00113406				reading desk pr28 symbols		
009	C00093813				support - programme guide evo ii		
010	C00046154				additive cover		
011	C00046148			1 x C00281253	soap dispenser drawer (rotary)		
012	C00064529				dispenser body (hl)		
013	C00064537			1 x C00263210	support - pressure switch		
014	C00094717				pressure switch		
015	C00092412				hose clamp		
016	C00094746				pipe pressostat l=505		
017	C00098754				anti-vibration hose (foam) l= 330		
018	C00092173				air trap x oko		
019	C00091911				door interlock avd		
020	C00094715				heating element 1700w		
021	C00083915				thermistor ntc		
022	C00045023				filter handle		
022	C00045025				filter seal		
022	C00045027				pump filter kit	n1040381	
022	C00141034				filter element kit		
022	C00297161				filter element kit copreci		
023	C00076510			1 x C00092264	self cleaning pump 240v./50hz.	n1040381	
023	C00119307				drain pump		
024	C00094744				screw locking motor/tub		
025	C00095892		50403...		motor three phase pacco50	n1040361	91342190000
025	C00117152	50404...	51113...		motor three phase pacco40	n1040396	91342190052 91342190900 91342190905
025	C00142390	51114...	80410...	1 x C00265826 1 x C00265838	motor three phase pacco40	n4008f00	91342190907
025	C00265826	80411...			motor three phase pacco40	n4008f00	91342190907
030	C00094047				support cover 3 f		

1230340 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
030	C00094049				bracket for module 3 f		
031	C00257406		51019...		module evoii trif. ed2 wd +sc	n1040387	91342190000
						n4008c01	91342190052
							91342190900
031	C00265676	51020...			module triphase 3.5 (for card)	n4008c01	91342190905
							91342190907
035	C00092177			2 x C00064534	hopper cover 1e 2u ev		
				1 x C00110333			
				1 x C00115914			
036	C00110333				fill valve 2 way (7lt rst 2.5)		
037	C00064534				seal - dispenser to valve		
038	C00005572				sealing washer-mains inlet hose		
040	C00003070				mains inlet hose cold 25c 10bar		
042	C00064946				electrovalve support 1 ev		
043	C00092416				conducibility sensor l=28mm		
044	C00260099		50403...		card avf109eu evoii 8kb sw	n4008c01	91342190000
044	C00261259	50404...	51019...		card avf109eu evoii 8kb sw	n4008c01	91342190052
							91342190900
044	C00262147	51020...			card avf109eu evoii 8kb sw	n4008c01	91342190905
							91342190907
045	C00252539			1 x C00263927	smart reader for card 8kb		

Notices

n1040296: List of EVOII FAULTS and troubleshooting.

In case of washing-machine fault in carrying out the self-test function, the machine reproposes the fault previously signalled and the same fault is shown on the display of the new hardware key.
The type of fault can be signalled in different ways:
- on AVD models the fault is shown directly on the machine display.
- on AVL models the fault is signalled by LEDs.

Reading of Faults signalled by LEDs
When the machine has a fault:
1. The window is locked
2. The door lock light flashes fast (> 1 Hz)
3. The control panel LEDs light up, to signal the fault, according to the table (fig. 01).
The example shown in fig. 02 (Example Fault F03) below indicates which LEDs are flashing if the machine has Fault F03

List of faults, malfunctions and Warnings:

F01: Triac Motor short circuit
- Check for water leaks that may affect connector J9 causing the relevant contacts to short
- Check the motor terminal block (possible problems due to chemical effects of work residuals on the contacts which may cause short-circuiting)
- Replace Card

F02: Motor blocked, Tachometrics in Short Circuit/Open
- Check motor if blocked
- Check efficiency of J9 connector on card
- Check the tachometric winding verifying an ohmic resistance reading of 115 - 170 ohm between pins
1 and 2 on wiring connector J9. In case of short circuit/open circuit check the wiring between pins 1 and 2 of J9 relevant to the tachometrics. With three-phase motor, make sure there is ohmic continuity between J9 pins 6 and 7.
- Replace motor
- Replace card

F03: NTC Open or in Short Circuit or washing heater relay stuck (signalled in presence of full load)
- Check efficiency of J8 connector contacts on card
- Check NTC verifying that the ohmic resistance value at room temperature 20°C is approx. 20Kohm on J8 wiring connector pin 11 and 12.
- If the measurement is incorrect check J8/NTC wiring continuity
Check the same parameter directly on NTC
- Replace NTC
- Replace Card

F04: Simultaneous empty and overflow (pressure switch stuck on empty).
If the pressure switch contact is stuck on empty the washing-machine loads water until reaching the overflow. The drain pump is automatically started by the contact on the overflow pressure switch.
- Check efficiency of J3 connector contacts on card
- Check pressure switch status by checking ohmic continuity on wiring connector J3 pins 2 and 4 (it must only be present with tub empty), pins 2 and 3 (it must only be present with water in the drum) and pins 2 and 1 (it must only be present with water in the tub above normal level, more than halfway up door glass).
- Check wiring of connector J3/pressure switch
- Replace pressure switch
- Replace card.

F05: Pump Blocked or pressure switch empty not reached
- Check efficiency of J9 connector on card, verifying a voltage of 220V between pins 8 and 9
- Check that pump if being fed
- Check Pump Filter + wall drain
- Change Pump
- Replace Card

F06: No on AVD and AVL

F07: No Wash Heating Element Absorption (the fault is only signalled with the pressure switch on empty)
- Check efficiency of J3 connector contacts on card
- Check continuity of the wash heating element on J3 connector pins 5 and 6. The 1800W 230V heating element has a resistance of 25 ohm.
- Check connection of pressure switch J3 connector pins 2 and 3: there must not be ohmic continuity (shared with full load).
Check connection of pressure switch J3 connector pins 2 and 4: there must be ohmic continuity
- Replace Heating Element
- Replace Pressure Switch
- Replace Card

F08: Wash Heater Relay Stuck (signalled in presence of empty) or pressure switch stuck on Full (simultaneously empty and full)
- Check efficiency of J3 connector contacts on card
- Check pressure switch status by checking ohmic continuity on wiring connector J3 pins 2 and 4 (it must only be present with tub empty), pins 2 and 3 (it must only be present with water in the drum) and
pins 2 and 1 (it must only be present with water in the tub above normal level, more than halfway up door glass).
- Check wiring J3/pressure switch
- Check connection of heating element J3 connector pins 5 and 6.
- Replace pressure switch
- Replace Card

F09: Machine Setup Error (Eeprom error)
- In case of production card with Eeprom soldered: replace the card and Eeprom
- In case of replacement of Eeprom and card, check correct housing of Eeprom on card socket

F10: No full and empty signal
- Check efficiency of J3 connector contacts on card
- Check pressure switch status by checking ohmic continuity on wiring connector J3 pins 2 and 4 (it must only be present with tub empty), pins 2 and 3 (it must only be present with water in the drum) and
pins 2 and 1 (it must only be present with water in the tub above normal level, more than halfway up door glass).
- Check wiring of connector J3/Pressure switch
- Replace Pressure Switch
- Replace Card

F11: No Pump Feedback (Drain pump disconnected or winding broken)
- Check efficiency of J9 connector on card
- Check continuity of the Pump on J15 connector pins 1 and 2 (in case of washing-machine with Easy Door door lock) or on J9

connector pins 8 and 9 (in case of conventional door lock), checking a resistive value equal to 170 ohm.
- Check wiring of connector J15 (or J9)/Pump
- Replace Pump
- Replace Card

F12: No Communication Display/LED Card-Main Board
- Check efficiency of contacts on card of J11 connector
- Check the continuity of J11 connector-display card 5-pin connector
- Replace Main Board
- Replace Display Card/LED

F13: Drying NTC sensor open / Drying system NTC wiring disconnected
Check efficiency of J10 connector on card
Check NTC on J10 connector pins 7 and 8 verifying that the ohmic value of the sensor at room temperature 20°C is approx. 20Kohm
Check continuity of NTC/J10 connectors wiring
Replace NTC
Replace card

F14: Drying heater open or not connected
Check efficiency of J2 connector contacts on card
Check continuity of drying heater on J2 wiring connector pins 1 and 2, verifying that the ohmic value of the 1300W 230V heating element is approx. 40Kohm
Check wiring of connector J10/drying heater
Replace heating element
Replace card

F15: Drying heater always on (drying relay contact stuck or drying Triac short circuit)
Check efficiency of J2 connector contacts on card of
Check wiring of connector J2/drying heater
Check wiring of connector J3/pressure switch
Replace card

F16: Drum locking (top-loading only)

F17: Door lock unfed/open (with Easy Door)
- Check presence of 230V mains power on J4 wiring connector inserted on card between pins 3 and 4,
(not present with machine on standby) and presence of power from 230V door lock between pins 3 and 5
- Check ohmic continuity of the door microswitch on J4 connector inserted on card between pins 1 and 2 (with door closed/on open/off)
- Check continuity of J4/door lock wiring
- Check door hooking
- Replace door lock
- Replace card

F17: Door lock unfed/open (conventional door lock, not Easy Door)
- Check presence of 230V mains power on J4 wiring connector inserted on card between pins 2 and 3,
(not present with machine on standby) and presence of power from 230V door lock between pins 3 and 1
- Check door hooking
- Replace door lock
- Replace card

F18 --> Communication error microprocessor / DSP (Digital Signal Processor)
- Replace card

COMBINAZIONE LED

SIMBOLOGIA:

= LED ACCESO = LED SPENTO

FAULT	LED Fasi	TASTI FUNZIONI			
F01	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F02	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F03	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F04	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F05	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F06	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F07	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F08	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F09	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F10	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F11	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F12	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F13	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F14	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F15	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F16	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F17	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4
F18	LED 4	Tasto 1	Tasto 2	Tasto 3	Tasto 4

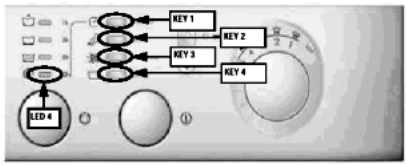


ARISTON



INDESIT

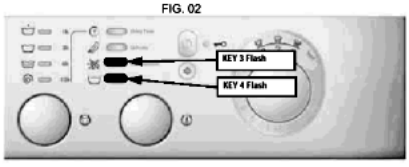
FIG. 01



Fault	Key 1	Key 2	Key 3	Key 4	Led 4
01	Off	Off	Off	Flash	Off
02	Off	Off	Flash	Off	Off
03	Off	Off	Flash	Flash	Off
04	Off	Flash	Off	Off	Off
05	Off	Flash	Off	Flash	Off
06	Off	Flash	Flash	Off	Off
07	Off	Flash	Flash	Flash	Off
08	Flash	Off	Off	Off	Off
09	Flash	Off	Off	Flash	Off
10	Flash	Off	Flash	Off	Off
11	Flash	Off	Flash	Flash	Off
12	Flash	Flash	Off	Off	Off
13	Flash	Flash	Off	Flash	Off
14	Flash	Flash	Flash	Off	Off
15	Flash	Flash	Flash	Flash	Off
16	Off	Off	Off	Off	Flash
17	Off	Off	Off	Flash	Flash

Table Fault LED

FIG. 02



Example Fault F03

Tabla de averías para lavadora EVO II

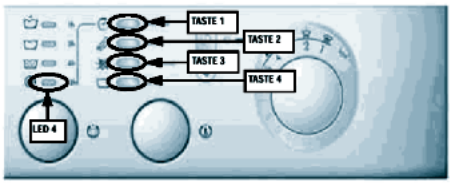


– LED

CO		MBINACIÓN LED				
FAULT	CAU SA	LED Fase	TECLAS FUNCIONES			
F01	Triac control motor en corto	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F02	Motor bloqueado, taquímetro motor abierto / en corto	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F03	Sonda NTC lavado abierta / en corto	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F04	Vacío + sobrenivel presostato simultaneamente	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F05	No se logra vacío presostato bomba desagüe bloqueada	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F06	Error de selector (no encuentra código)	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F07	Falta absorción en la resistencia de lavado	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F08	Relé resistencia de lavado con el contacto NA/NC pegado	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F09	Error setup file (EEPROM no programada o correcta)	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F10	Presostato en llena=Vacío o sin señal de vacío ni llena	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F11	Falta alimentación a la bomba de desagüe	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F12	Falta comunicación entre módulo display y modulo de control	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F13	Sonda NTC secado abierta/corto. Ventilador secado bloqueado	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F14	Falta alimentación a la resistencia de secado	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F15	Contacto relé resistencia de secado pegado	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F16	Bloqueo de cesto (solo carga superior)	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F17	Bloqueo puerta desalineado /abierta	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F18	Error de comunicación Micro/DSP (MODULO)	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4

SIMBOLOGIA:
= led encendido
= led apagado

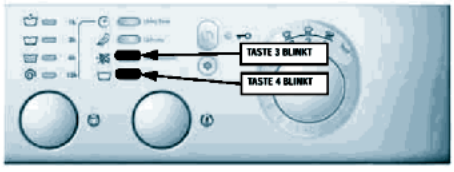
ABB. 01



Fault	Taste 1	Taste 2	Taste 3	Taste 4	Led 4
01	Ausgeschaltet	Ausgeschaltet	Ausgeschaltet	Blinkt	Ausgeschaltet
02	Ausgeschaltet	Ausgeschaltet	Blinkt	Ausgeschaltet	Ausgeschaltet
03	Ausgeschaltet	Ausgeschaltet	Blinkt	Blinkt	Ausgeschaltet
04	Ausgeschaltet	Blinkt	Ausgeschaltet	Ausgeschaltet	Ausgeschaltet
05	Ausgeschaltet	Blinkt	Ausgeschaltet	Blinkt	Ausgeschaltet
06	Ausgeschaltet	Blinkt	Blinkt	Ausgeschaltet	Ausgeschaltet
07	Ausgeschaltet	Blinkt	Blinkt	Blinkt	Ausgeschaltet
08	Blinkt	Ausgeschaltet	Ausgeschaltet	Ausgeschaltet	Ausgeschaltet
09	Blinkt	Ausgeschaltet	Ausgeschaltet	Blinkt	Ausgeschaltet
10	Blinkt	Ausgeschaltet	Blinkt	Ausgeschaltet	Ausgeschaltet
11	Blinkt	Ausgeschaltet	Blinkt	Blinkt	Ausgeschaltet
12	Blinkt	Blinkt	Ausgeschaltet	Ausgeschaltet	Ausgeschaltet
13	Blinkt	Blinkt	Ausgeschaltet	Blinkt	Ausgeschaltet
14	Blinkt	Blinkt	Blinkt	Ausgeschaltet	Ausgeschaltet
15	Blinkt	Blinkt	Blinkt	Blinkt	Ausgeschaltet
16	Ausgeschaltet	Ausgeschaltet	Ausgeschaltet	Ausgeschaltet	Blinkt
17	Ausgeschaltet	Ausgeschaltet	Ausgeschaltet	Blinkt	Blinkt

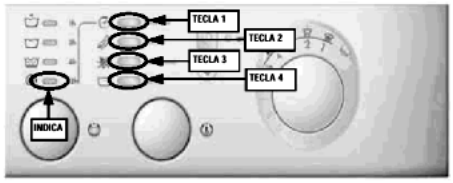
Tab. Störung Led

ABB. 02



Beispiel Störung F03

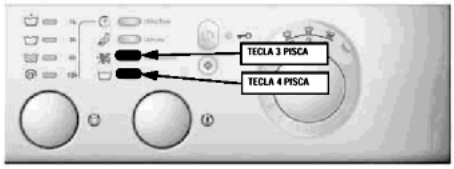
FIG. 01



Fault	Tecla 1	Tecla 2	Tecla 3	Tecla 4	Indicador luminoso 4
01	Apagado	Apagado	Apagado	Pisca	Apagado
02	Apagado	Apagado	Pisca	Apagado	Apagado
03	Apagado	Apagado	Pisca	Pisca	Apagado
04	Apagado	Pisca	Apagado	Apagado	Apagado
05	Apagado	Pisca	Apagado	Pisca	Apagado
06	Apagado	Pisca	Pisca	Apagado	Apagado
07	Apagado	Pisca	Pisca	Pisca	Apagado
08	Pisca	Apagado	Apagado	Apagado	Apagado
09	Pisca	Apagado	Apagado	Pisca	Apagado
10	Pisca	Apagado	Pisca	Apagado	Apagado
11	Pisca	Apagado	Pisca	Pisca	Apagado
12	Pisca	Pisca	Apagado	Apagado	Apagado
13	Pisca	Pisca	Apagado	Pisca	Apagado
14	Pisca	Pisca	Pisca	Apagado	Apagado
15	Pisca	Pisca	Pisca	Pisca	Apagado
16	Apagado	Apagado	Apagado	Apagado	Pisca
17	Apagado	Apagado	Apagado	Pisca	Pisca

Tab. Fault indicador luminoso

FIG. 02



Exemplo Fault F03



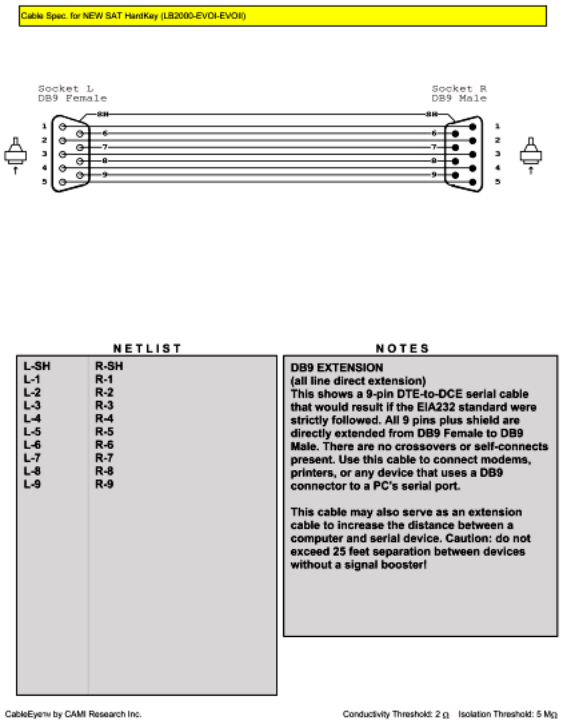
Cruscotto - Tableau de borde - Belde - Control panel
Painel frontal - Quadro Mandos - Kontrol paneli

n1040317: LB2000, EVOI, EVOII serial hardware key and relevant serial cable.

The new serial hardware key Service code 095669, usable on all LB2000, EVOI and EVOII washing machines, can be connected to the PC by means of F/M 9-pole cable Service code 099862 (see fig.001).
The previous F/F pin-to-pin 9-pole serial cable Service code 084943 can be used with the new key only if it is provided with the M/M serial connector code 099861 (see fig. 002).

Cable code 084943 and serial key code 084566 will be available until stocks run out, after which they will be replaced by ESI with Service codes 099862 and 095669 respectively.





n1040350: Introduction of new power supply cable and wiring

From serial no. 50120.0001, all EVOII three-phase washing machine models relevant to this note have been equipped with a new

power supply cable and wiring.

Items affected:

-new THREE-PHASE SHUKO POWER SUPPLY CABLE spare part code 115769, premodification 094203;

-new EARTH WIRING ASSEMBLY X spare part code 093720, premodification EARTH WIRING ASSEMBLY Y spare part code 093721.

Models affected:

AVD 109 EU - 30147
AVD 109 IT BG - 30514
AVD 129 NL BG - 30510
AVD 129 SK - 30079
AVF 109 EU - 34219
AVF 12 TK - 34243
AVF 129 SK - 34242
AVL 108 TK - 29960
AVL 109 EU - 29889
AVL 109 IT BG - 30512
AVL 125 FR - 30521
AVL 129 EX - 30395
AVL 89 EU - 30060
AVL 89 IT BG - 30511
AVL 9 E IT - 31493
AVXD 10 TK - 28487
AVXD 109 EU - 29621
AVXD 109 EU - 29621
AVXD 129 EU - 28498
AVXD 129 EX - 29622
AVXD 129 EX 60 HZ - 30058
AVXF 129 FR - 34408
AVXL 109 EU - 29624
AVXL 109 IT - 31929
AVXL 109 R - 29772
AVXL 120 FR - 29543
AVXL 89 EU - 29623
AVXL 89 IT - 31928

n1040352: New 150° Zamac hinge on Ariston front-load 5 - 6 KG WMs (Brembate).

From serial no. 50201.0001, all washing machines affected by this note have been equipped with the new hinges with 150° opening rather than 180°.

The items affected by this modification are:

HINGE: new spare part code 115666, premodification spare part code 064541;

DOOR ASSEMBLY: new spare part code 115670, premodification spare part code 092157;

5 KG BODY: new spare part code 116032, premodification spare part code 097549;

6 KG BODY: new spare part code 116033, premodification spare part code 097709.

n1040360: Polar White Factory 91 (Brembate)

From serial no. 50404.0001, the new "Polar White" colour is used on all washing machines produced in factory 91 in place of White 27.
The third last number of the Industrial Code given on the rating plate of the modified models is 9 (e.g. 91298310900).
To determine the new Polar White codes, it is necessary to know the industrial code or serial number of the appliance being repaired.
The new items, which bear the initials "PW" in place of "B27", are not aesthetically interchangeable with premodification items as the whites are different. Both colours will be available for some time.

n1040361: Three-phase motors package 40 factory 91.

From serial no. 50404.0001, the motor and card have been modified.
The last two numbers of the Industrial Code given on the rating plate of the modified models are 52 (e.g. 91301470052).

MOTOR
new C00117152 premodification C00095892

CARD
new C00261212 old C00262064 - AVD109EU cc 30147
new C00261221 old C00261932 - AVD109ITBG cc 30514
new C00261214 old C00261640 - AVD129NLBR cc 30510
new C00261202 old C00262054 - AVD129SK cc 30079
new C00261259 old C00260099 - AVF109EU cc 34219
new C00261278 old C00260101 - AVF129SK cc 34242
new C00261297 old C00260096 - AVF12TK cc 34243
new C00260596 old C00262050 - AVL108TK cc 29960
new C00260595 old C00261918 - AVL109EU cc 29889
new C00252460 old C00252459 - AVL109ITBG cc 30512
new C00261226 old C00261641 - AVL125FR cc 30521
new C00261213 old C00260501 - AVL129EU cc 30395
new C00260623 old C00261921 - AVL89EU cc 30060
new C00252456 old C00252455- AVL89ITBG cc 30511
new C00261230 old C00261663 - AVL9EIT cc 31493
new C00262427 old C00262057- AVXD109AUS cc 29787
new C00262426 old C00262044 - AVXD109EU cc 29621
new C00262425 old C00262056 - AVXD10TK cc 28487
new C00252432 old C00252430 - AVXD129EU cc 28498
new C00273534 old C00273533- AVXD129EX cc 29622
new C00262432 old C00262018- AVXF129FR cc 34408

new C00273518 old C00273517- AVXL109EU cc 29624
new C00262431 old C00260544- AVXL109IT cc 31929
new C00273532 old C00273531- AVXL109R cc 29772
new C00273506 old C00273505- AVXL120FR cc 29543
new C00262428 old C00262059- AVXL129AUS cc 29788
new C00273516 old C00273515- AVXL89EU cc 29623
new C00262430 old C00260525- AVXL89IT cc 31928

n1040373: Modification of shock absorber and expander on LVB 5KG produced in Brembate.

As from serial no. 50801.0001, new shock absorbers and expanders have been introduced.

New Part codes:
C00118592 - shock absorber
C00118593 - expander

Premodification Part codes:
C00115753 (EX C00094712) - shock absorber
C00055037 - expander

The new parts can be used (but not separately) also on all appliances equipped with shock absorbers 100N - C00115753 and C00094712; in this case, it will be necessary to replace both shock absorbers / expanders using kit C00141042, which is composed of two new shock absorbers and two new expanders.

n1040381: Drain pump with bayonet-style filter - front Loading Brembate

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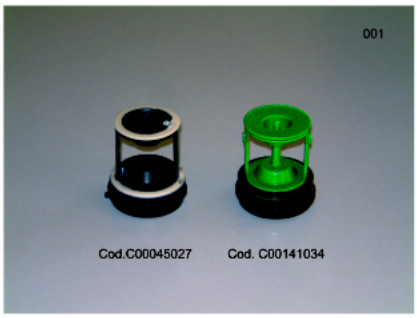
From serial no. 50720.0001 a new drain pump with bayonet-style filter has been installed on all front loading washing machines manufactured in Brembate.

New parts:
C00119307 - Drain pump
C00141034 - Pump filter kit

Premodification parts:
C00092264 - Drain pump
C00045027 - Pump filter kit

The new parts can be used instead of premodification ones.

n1040387: 3.5 three phase module introduced - front-loading Brembate



From serial no. 51020.0001 a new 3.05 three phase module has been introduced.
The modification affects the following parts:
-module
-eeprom

New parts:
C00254298 - three phase module 3.5;

Premodification parts:
MODULE WD>1200 RPM+SC FW2.74 (CARD)

The new items are not interchangeable with the premodification ones.

Modified machines have a new industrial code on the rating plate.

Given below are the models affected, with the new industrial code and replacement code for the new card:

91.28498.0905 - AVXD129EU - card C00252433
91.29621.0905 - AVXD109EU - card C00262137
91.29622.0905 - AVXD129EX - card C00264485
91.29623.0905 - AVXL89EU - card C00264494
91.29624.0905 - AVXL109EU - card C00264493
91.29772.0905 - AVXL109R - card C00264486
91.29788.0905 - AVXL129AUS - card C00262138
91.29889.0905 - AVL109EU - card C00262140
91.30060.0905 - AVL89EU - card C00262246
91.30511.0905 - AVL89ITBG - card C00252457
91.30512.0905 - AVL109ITBG - card C00252461
91.31493.0905 - AVL9EIT - card C00262144
91.31928.0905 - AVXL89IT - card C00262145
91.31929.0905 - AVXL109IT - card C00262146

91.34219.0905 - AVF109EU - card C00262147
91.34242.0905 - AVF129SK - card C00262148
91.29960.0905 - AVL108TK - card C00262330
91.30395.0905 - AVL129EX - card C00262454
91.37232.0005 - AVF109CN - card C00262455
91.37912.0105 - AVF129AG - card C00262456
91.28487.0905 - AVXD10TK - card C00262544
91.29787.0905 - AVXD109AUS - card C00262545
91.34243.0905 - AVF12TK - card C00262548

n1040396: 280mm diameter pulley introduced on three-phase washing machines (Brembate)

Appliances from serial no. 51114.0001 have been equipped with a new transmission unit affecting the following parts:
-Motor;
-belt;
-Pulley.

New parts:
C00141664 belt
C00064527 pulley D=280mm H=17mm
C00115174 - THREE PHASE MOTORE

premodification parts:
C00095888 belt
C00066080 pulley D=210mm H=17mm
C00115174 - THREE PHASE MOTORE

The new items are not interchangeable separately with the premodification ones.

New industrial codes/models affected.
5kg 800/1000 RPM washing machine with three-phase motor produced in Brembate (industrial code 91.....):
91.29889.0907 - AVL109EU
91.29960.0907 - AVL108TK
91.30060.0907 - AVL89EU
91.30511.0907 - AVL89ITBG
91.30512.0907 - AVL109ITBG
91.31493.0907 - AVL9EIT
91.34219.0907 - AVF109EU
91.37232.0007 - AVF109CN

n4008c01: Smart Card - LVB/DRYERS

Beginning April 2008 spare parts warehouse started to manage the EVOII modules with eeprom fixed, these can only be programmed with smart card/palmare/pc.

Attention!! The premodification with eeprom socket can be programmed with smart card/palmare/pc using a blank eeprom or with pre programmed eeprom.

Spare parts of modules with eeprom fixed/eeprom socket:

C00265676 with eeprom fixed - C00143068 with eeprom socket - for models with conducibility sensor
C00254298 with eeprom fixed - C00143068 with eeprom socket - for models without conducibility sensor
C00254297 with eeprom fixed - C00259941 with eeprom socket
C00254531 with eeprom fixed - C00143058 with eeprom socket
C00254297 with eeprom fixed - C00143057 with eeprom socket - for models without blocking drum
C00265697 with eeprom fixed - C00143057 with eeprom socket - for models with blocking drum
C00254297 with eeprom fixed - C00143056 with eeprom socket
C00254530 with eeprom fixed - C00259738 with eeprom socket
C00254533 with eeprom fixed - C00143060 with eeprom socket
C00254535 with eeprom fixed - C00145013 with eeprom socket
C00254530 with eeprom fixed - C00145551 with eeprom socket
C00254529 with eeprom fixed - C00142293 with eeprom socket
C00257406 with eeprom fixed - C00143989 with eeprom socket
C00257409 with eeprom fixed - C00144151 with eeprom fixed
C00254530 with eeprom fixed - C00143069 with eeprom fixed

DRYERS
C00255835 with eeprom fixed - C00258789 with eeprom socket
C00255835 with eeprom fixed - C00194077 with eeprom socket

This notice has a "reference list" specific for each product where you can find the link between smart card and the eeprom code with the same software.

n4008f00: Thermic link wire removed on three-phase motor

Attention!
When you assist the premodification models using the new motor code you MUST use the thermic link wire code C00265838.

The spare part warehouses will manage the premodification motor until the end of the stock, after they will be replaced with new ones and thermic link wire.

TRIPHASE P40 46 L – INOX TUB
C00265827 new motor without thermic link wire - C00116103 premodification motor with thermic link wire

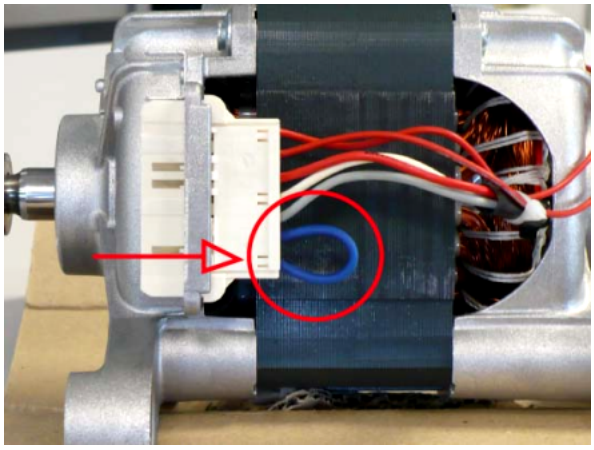
TRIPHASE P40 46 L – PLASTIC TUB
C00265826 new motor without thermic link wire - C00142390 premodification motor with thermic link wire

TRIPHASE P50 52 L
C00265829 new motor without thermic link wire - C00142205 premodification motor with thermic link wire

TRIPHASE P32 46 L TOP LOADING
C00265832 new motor without thermic link wire - C00262375 premodification motor with thermic link wire

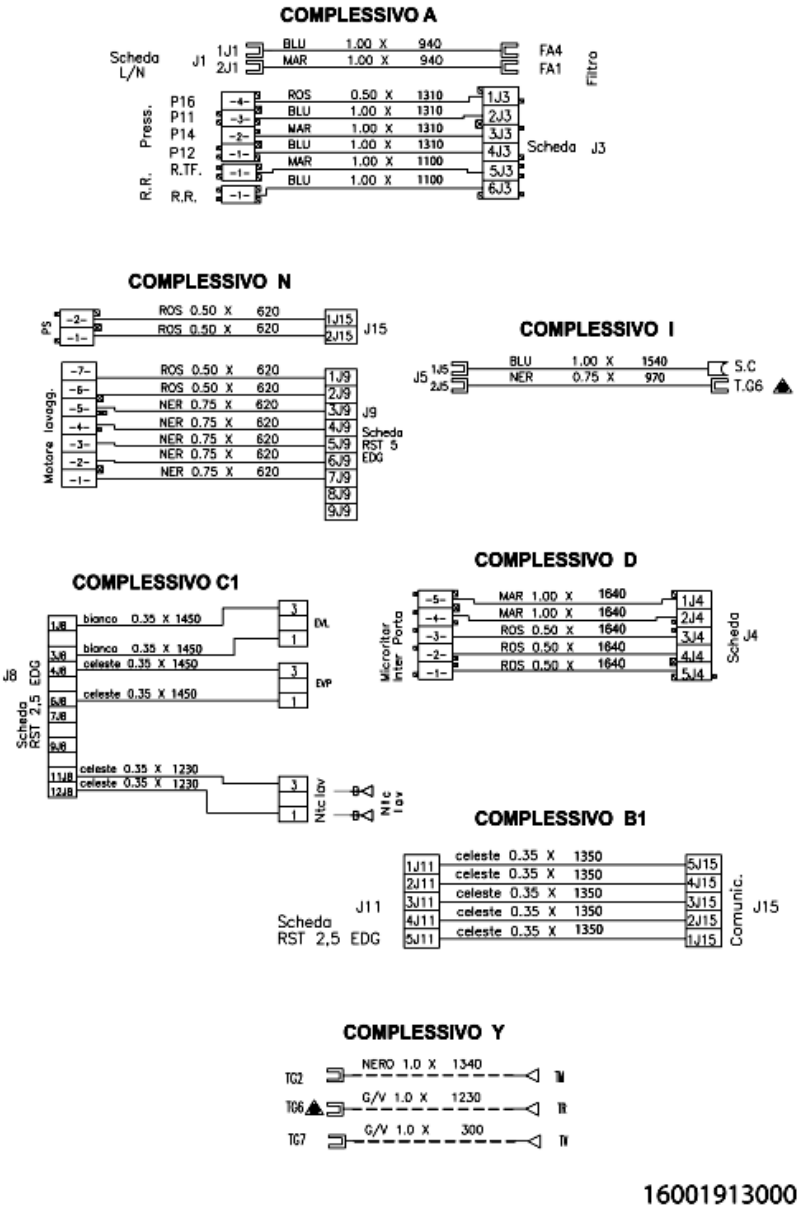
TRIPHASE P40 46 L TOP LOADING
C00265834 nuovo new motor without thermic link wire - C00112739 premodification motor with thermic link wire

In the attached image you can see the fixing of thermic link wire in the motor therminal box.



Electric schemes and links

Cod. 16001913000



Legend

Legend: 16001913000

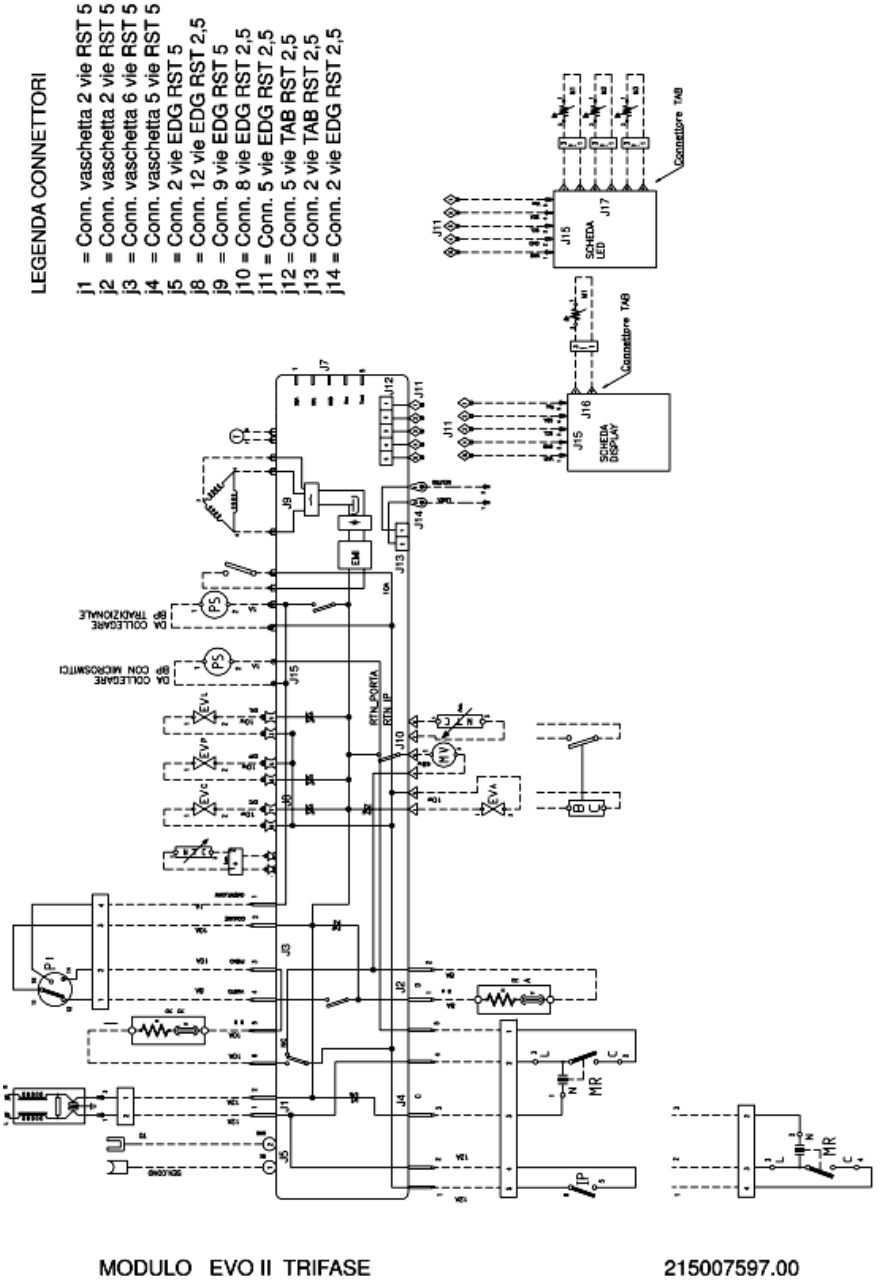
AQS	Aquastop electrovalve	Mzbn/MTA	zbn timer motor
B	Buzzer	N	Neutral or Terminal Board
BC	Blocco Cesto	NC	Spin cycle exclusion
BF	Terminal board contact, motor fan and dryer	P	Pressure switch
BP	Buzzer	P1	1st level pressure cut-off switch
C	Condensator	P2	2nd level pressure cut-off switch
CA	Condensator	PA	High speed potentiometer
DV	Switching device	PB	Low speed potentiometer
EF/CL	Electro-Valve Cold Water / Bleach	PL	Pure Wool
EF/L	Electro-Valve Cold Water / Wash	PM	Motor Thermoprotector
EF/P	Electro-Valve Cold Water / Prewash	PR	Timer programmer or Pressure switch
ER	Exclude Heating Element	PS	Drain pump
ET	Thermostat disactivation	R	Heating element
EV	Electrovalve	RE	Relay
EVA	Dryer electrovalve	RR	Heating element
EVC	Hot water electrovalve	RV	Speed regulator
EVF	Elettrovalvola acqua fredda	Ras/RA	Dryer heating element
EVL	Wash electrovalve	S	LED
EVP	Pre Wash electrovalve	SL	Line LED
FA	Antijamming filter	SO	Door LED
FD	Delicate drying cycle thermostat	SR	Heating LED
FE	Strong drying cycle thermostat	ST	Temperature selector
FRT	Thermofusible Heating Element	SV	Speed Selector for Spin
I	Inverter	T	Timer contacts
I1..2..3..	Switches/switching devices	TA	Drying timer contacts
IA	Switch On/Off	TB	Low Temperature Thermostat
IC	Switch N.C. - 1/2 Load	TC	Spider wheel earth
ID	Switch display	TFL	Flange earth
IE	Water Saving Device	TG	Main earth
IF	Switch - Spin Reduction	TH	Thermostat
IP	Door switch	TH1	1st temperature thermostat
IR	Line switch	TH2	2nd temperature thermostat
IS	Water-stop	TH3	3rd temperature thermostat

L	Line or Lamp	THF	Operating thermostat
LB	Low Level	THR	Adjustable thermostat
LN	Normal Level	TM	Motor earth
LS	Pilot lamp	TMB	Main cabinet earth
M	Earth-symbol	TMP	Motor thermal protector
MC	Spin cycle motor	TMS	Thermostop
MI	MOTOR WITH PULLEY	TP	Thermal protector
ML	Wash cycle motor	TPS	Drain pump earth
MO	Terminal Board	TR	Heating element earth
MP	Door dip-switch	TS	Safety thermostat
MR	Thermal Lock	TT	Timer earthing connection
MT	Timer motor	TTH	Earthing Thermostat
MV	Motor fan	TV	Tank earth
MV -Ras	Dryer heating element	ZBN	Timer

Electric schemes and links

Cod. 21500759700

Valid plan for the following Industrial codes 91342190000,91342190052,91342190900



MODULO EVO II TRIFASE 215007597.00

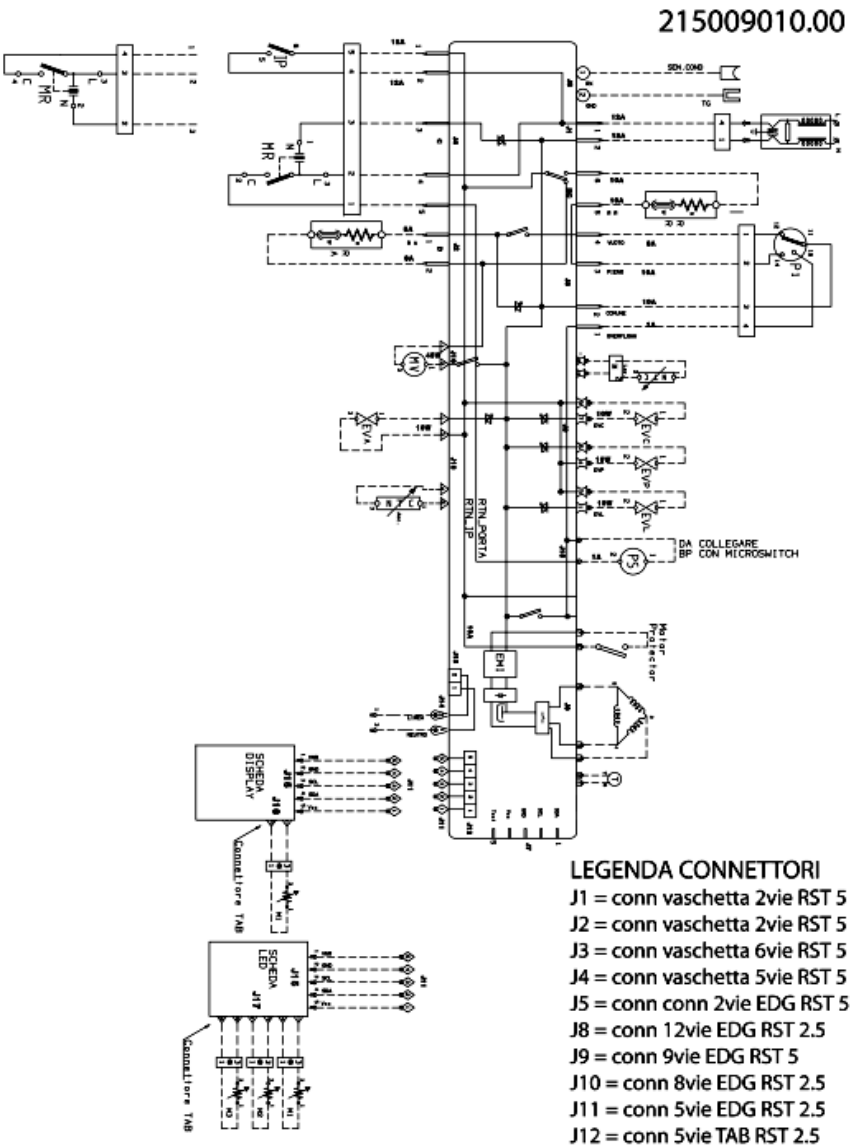
Legend

Legend: 21500759700

Electric schemes and links

Cod. 21500901000

Valid plan for the following Industrial codes 91342190905



MODULO EVOII TRIFASE 3.5

Legend

Legend: 21500901000

AQS	Aquastop electrovalve	Mzbn/MTA	zbn timer motor
B	Buzzer	N	Neutral or Terminal Board
BC	Blocco Cesto	NC	Spin cycle exclusion
BF	Terminal board contact, motor fan and dryer	P	Pressure switch
BP	Buzzer	P1	1st level pressure cut-off switch
C	Condensator	P2	2nd level pressure cut-off switch
CA	Condensator	PA	High speed potentiometer
DV	Switching device	PB	Low speed potentiometer
EF/CL	Electro-Valve Cold Water / Bleach	PL	Pure Wool
EF/L	Electro-Valve Cold Water / Wash	PM	Motor Thermoprotector
EF/P	Electro-Valve Cold Water / Prewash	PR	Timer programmer or Pressure switch
ER	Exclude Heating Element	PS	Drain pump
ET	Thermostat disactivation	R	Heating element
EV	Electrovalve	RE	Relay
EVA	Dryer electrovalve	RR	Heating element
EVC	Hot water electrovalve	RV	Speed regulator
EVF	Elettrovalvola acqua fredda	Ras/RA	Dryer heating element
EVL	Wash electrovalve	S	LED
EVP	Pre Wash electrovalve	SL	Line LED
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FD	Delicate drying cycle thermostat	SR	Heating LED
FE	Strong drying cycle thermostat	ST	Temperature selector
FRT	Thermofusible Heating Element	SV	Speed Selector for Spin
I	Inverter	T	Timer contacts
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IA	Switch On/Off	TB	Low Temperature Thermostat
IC	Switch N.C. - 1/2 Load	TC	Spider wheel earth
ID	Switch display	TFL	Flange earth
IE	Water Saving Device	TG	Main earth
IF	Switch - Spin Reduction	TH	Thermostat
IP	Door switch	TH1	1st temperature thermostat
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IS	Water-stop	TH3	3rd temperature thermostat

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LB	Low Level	THR	Adjustable thermostat
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MC	Spin cycle motor	TMS	Thermostop
MI	MOTOR WITH PULLEY	TP	Thermal protector
ML	Wash cycle motor	TPS	Drain pump earth
MO	Terminal Board	TR	Heating element earth
MP	Door dip-switch	TS	Safety thermostat
MR	Thermal Lock	TT	Timer earthing connection
MT	Timer motor	TTH	Earthing Thermostat
MV	Motor fan	TV	Tank earth
MV -Ras	Dryer heating element	ZBN	Timer