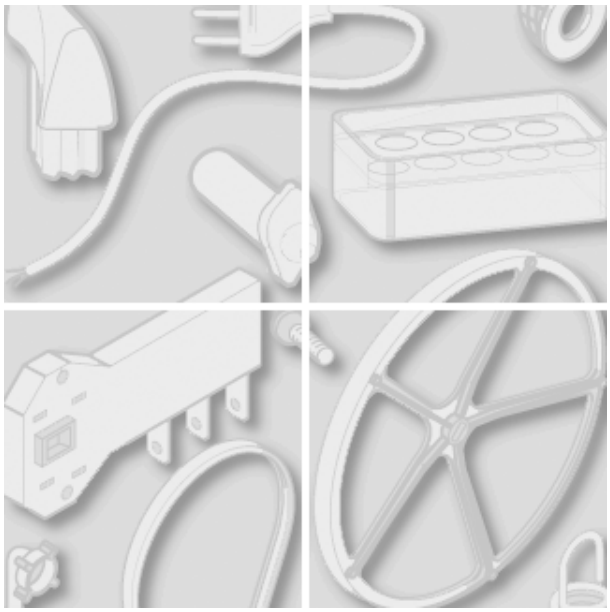
INDESIT company



Model type:
AVF109EX

Commercial code:
F034216

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

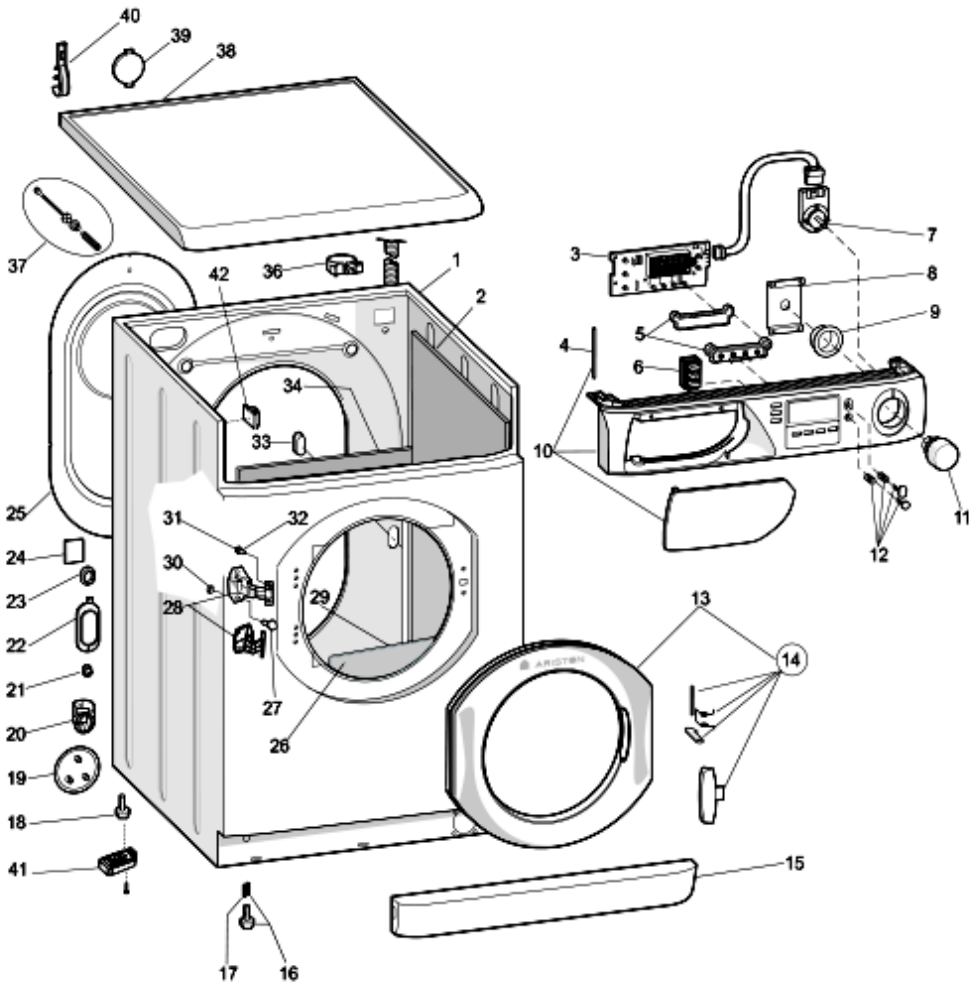
INDUSTRIAL CODE: list of variables of a model (shown into model label) where such spare is used; NOTICE: code of information(s) to refer to complete technical intervention, track for changes or to find correct spare part code.

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

1140150B Exploded views

Matr. 41004.0002



1140150B

1140150B

Spare parts list

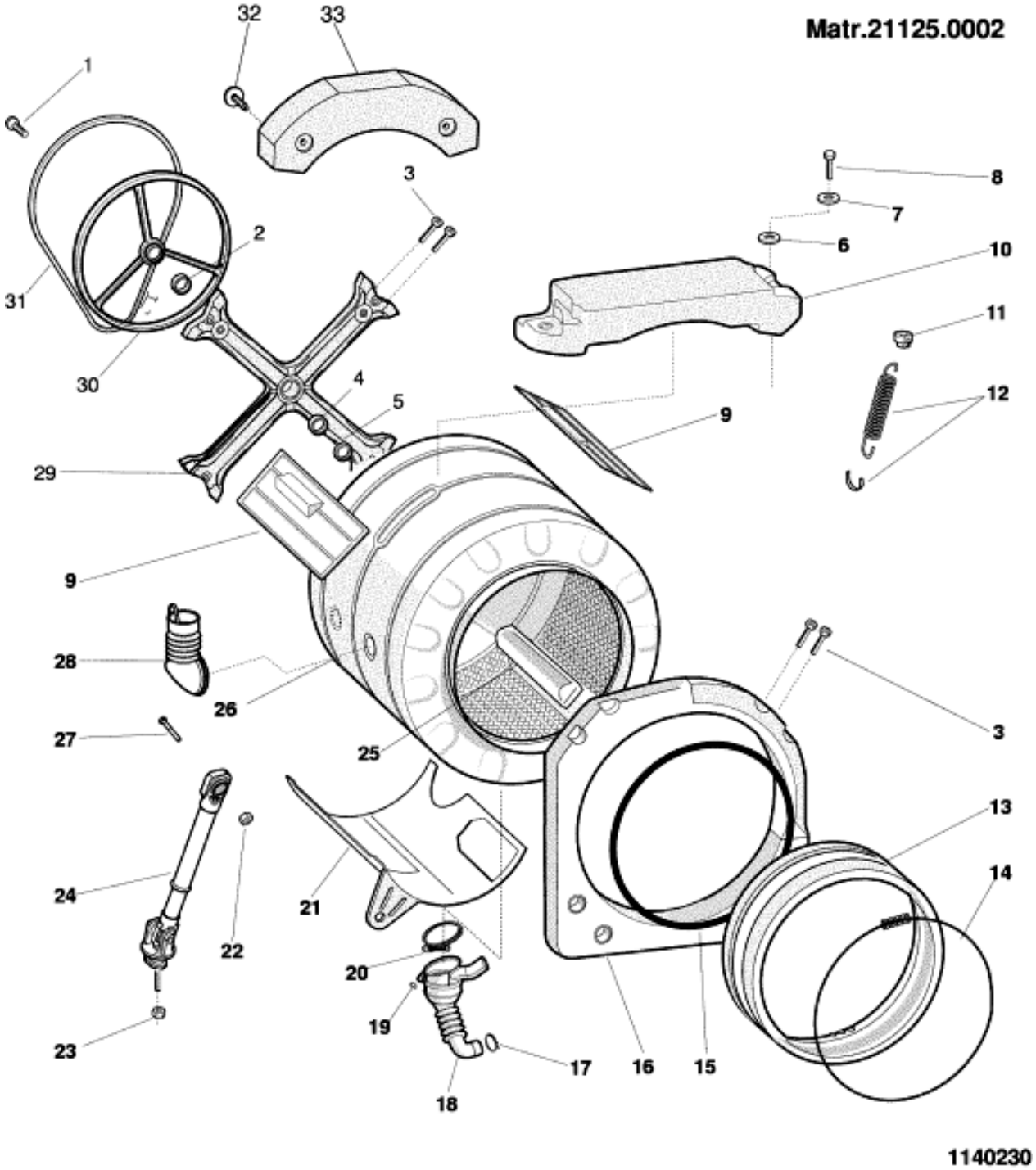
Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
000	C00115908				user instructions booklet gb-pt		
000	C00115910				user instructions booklet hr-rs-sl-		
001	C00115662			1 x C00116539	cabinet white standard	n1040359	80342160000 80342160052
001	C00116539				cabinet white standard pw evoii		80342160900 80342160905
003	C00112246			1 x C00143087	control disply digit evoii		
004	C00091882				pivot pin drawer front 106.5x5		
005	C00114263				white push buttons display avf		
006	C00111997				button pad		
007	C00087067			1 x C00143095	programme select bitron 16		
008	C00091890				potentiometer support avd		
009	C00094065			1 x C00118964	knob timer disc 28 pr b27		
009	C00118964			1 x C00116381	knob timer disc 28 pr pw		80342160900 80342160905
010	C00114276				control panel + handle avf109eu-	n1040359	80342160000 80342160052
010	C00116799				control panel + handle pw		80342160900 80342160905
011	C00091873			1 x C00115953	wash timer knob white 27 avd	n1040359	80342160000 80342160052
011	C00115953				wash timer knob white pw avd		80342160900 80342160905
012	C00110115				white pushbutton on-off/reset kit	n1040359	80342160000 80342160052
012	C00116359			1 x C00110115	push button on-off/start kit white		80342160900 80342160905
013	C00115670			1 x C00116553	door frame+glass assy evoii b27	n1040359	80342160000 80342160052
013	C00116240				door frame+glass assy evoii pw		80342160900 80342160905
014	C00092158			1 x C00116576	door handle kit b27 ariston	n1040359	80342160000 80342160052
014	C00116576				door handle assy white pw		80342160900 80342160905

1140150B

Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
015	C00110325			1 x C00116552	plinth white	n1040359	80342160000
							80342160052
015	C00116552				plinth white pw		80342160900
							80342160905
016	C00087084				foot		
021	C00065871				blanking plug		
025	C00099313			1 x C00116923	rear cover - white	n1040359	80342160000
							80342160052
025	C00116923				rear cover - white pw		80342160900
							80342160905
027	C00096210				screw self tapping		
028	C00064541				outer door hinge assembly		80342160900
028	C00115666				zama hinge 150°		80342160900
							80342160905
031	C00065185				bolt m4,5 x 8		
033	C00084817				blanking plate-rear(test plug)		
034	C00094018				insulation pad (front panel)		
036	C00046667				wiring stop		
038	C00091867			1 x C00116550	worktop - white 595 x 522 mm	n1040359	80342160000
							80342160052
038	C00116550				worktop - white(pw) 595 x 522		80342160900

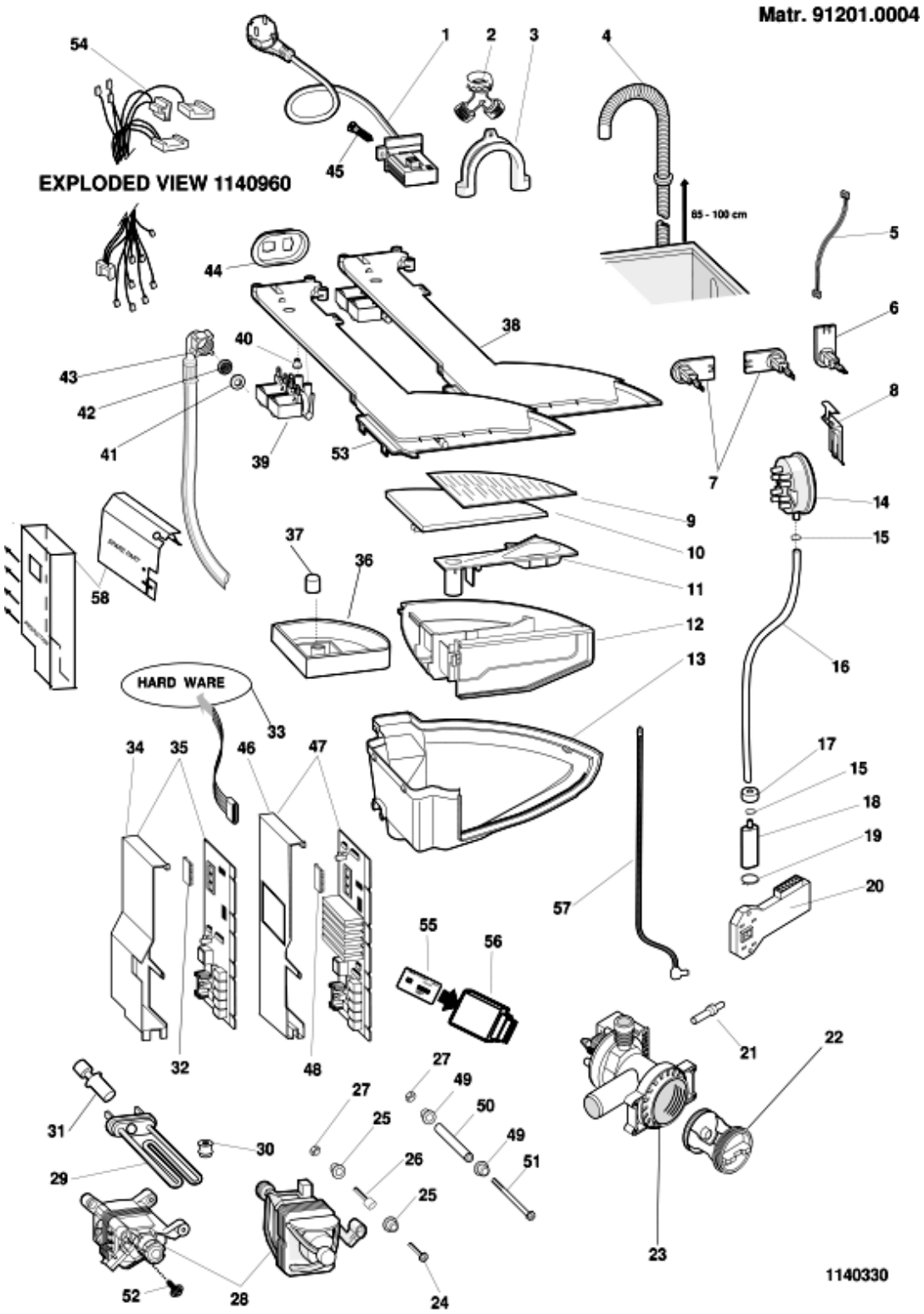
1140230 Exploded views



1140230 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
001	C00064786			1 x C00143260	bolt m8x23 torx tefl		
002	C00002591				bearing 20x47x14		
003	C00064785			1 x C00193879	bolt m8x22 tb6lt		
004	C00002590				bearing 17x40x12 6203-2z skf		
005	C00042890				sealing ring 600 rpm		
008	C00088408				bolt + washer		
009	C00080761			1 x C00064517	tank cradle channel-top dx wd		
010	C00064548				upper counterweight 11 kg		
011	C00064515				anchorage pad - suspension		
012	C00064502				suspension spring - tank		
013	C00110326	40614...			door seal		
014	C00092156				door seal retainer front		
015	C00092155				door seal- rear retainer		
016	C00092178				front counterweight		
017	C00092411			1 x C00094908	hose clamp		
018	C00092174				hose tank to filter with oko ball		
019	C00092412				hose clamp		
020	C00091148			1 x C00094908	clamp d=79 mm		
021	C00093848				cradle outer- set		
023	C00065152				nut romob m6x22x1,5		
024	C00303584				kit shock absorber 80 n 10,2 mm		
025	C00064789			1 x C00268109	lifter - extractable		
026	C00094273			1 x C00094272	outer- set 46 l. evoii	n1040300	
				1 x C00094275			
027	C00110163				shock absorber elastic pin		
028	C00092161				hose dispenser to tank		
029	C00112708				bearing spider assembly		
030	C00066080				drum pulley cone d=210 mm h=		
031	C00074218				belt (1046-1051mm h8)	n1040365	80342160000
							80342160052
							80342160900
031	C00118629				belt l=1046 - 1051 mm h8		80342160900
099	C00001109				loctite 270 10 gr.		
099	C00033026			1 x C00292523	ambljgon grease ta 100 gr.		

1140330 Exploded views



1140330 Spare parts list

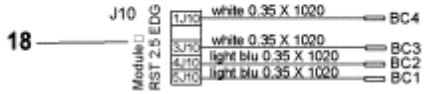
Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
001	C00094203			1 x C00115769	supply cable 3 x 1.0 1,5mt shuko	n1040365	80342160000
							80342160052
							80342160900
001	C00115769				supply cable 3 x 1.0 1,5mt shuko		80342160900
003	C00019902				plastic -u- to make drain hose		
004	C00027466				drain hose - to sink l=1860mm		
005	C00112238				wiring dashboard lbe digit		
006	C00087067			1 x C00143095	programme select bitron 16		
008	C00064537			1 x C00263210	support - pressure switch		
009	C00113406				reading desk pr28 symbols		
010	C00093813				support - programme guide evo ii		
011	C00046154				additive cover		
012	C00046148			1 x C00281253	soap dispenser drawer (rotary)		
013	C00092176				dispenser body		
014	C00110332				pressure switch 1 l.76-		
015	C00092412				hose clamp		
016	C00092170			1 x C00041785	pipe pressostat l= 470mm. evo ii		
017	C00019755				anti-vibration bush (foam)		
017	C00098754				anti-vibration hose (foam) l= 330		
018	C00092173				air trap x oko		
020	C00065185				bolt m4,5 x 8		
020	C00091911				door interlock avd		
021	C00092416				conducibility sensor l=28mm		
022	C00045023				filter handle		
022	C00045025				filter seal		
022	C00045027				pump filter kit	n1040376	
022	C00141034				filter element kit		
022	C00297161				filter element kit copreci		
023	C00119307				drain pump		
027	C00040932				self locking nut m6		
028	C00094023		50216...		motor three phase cim2-55	n1040351	
028	C00097258				tacho generator for motor ceset		
028	C00116103	50217...	80322...		motor three phase standard (stator		80342160052
							80342160900
							80342160905

1140330 Spare parts list

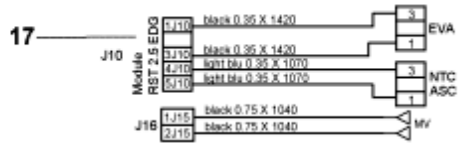
Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
028	C00265827	80323...			motor three phase standard (stator	n4008f00	
029	C00087188				heat element + sensor hole	n1040300	
030	C00058523				pillar retainer-heating element		
031	C00083915				thermistor ntc		
033	C00066292				insulated tweezers		
033	C00095669			1 x C00145046	hardware key mk1	n1040317	
033	C00099862				serial cable lb2000 evoii - pc		
039	C00110333				fill valve 2 way (7lt rst 2.5)		
040	C00064534				seal - dispenser to valve		
041	C00005572				sealing washer-mains inlet hose		
042	C00005781				inlet hose filter		
043	C00003070				mains inlet hose cold 25c 10bar		
044	C00064946				electrovalve support 1 ev		
045	C00092348				self-scraping screw 3,5x8		
046	C00094047				support cover 3 f		
046	C00094049				bracket for module 3 f		
047	C00257406		51014...		module evoii trif. ed2 wd +sc	n1040378	80342160000 80342160052 80342160900
047	C00265676	51015...			module triphase 3.5 (for card)	n4008c01	80342160905
049	C00019682				rubber bush 20 mm - motor	n1040365	80342160000 80342160052 80342160900
049	C00118675				rubber bush 20 mm - motor		80342160900
050	C00074153				spacer motor support l= 187 mm		
051	C00074152				bolt m6x30		
053	C00115914				hopper cover .evoii avf		
055	C00261890		50216...		card avf109ex evoii sw	n4008c01	
055	C00261911	50217...	51014...		card avf109ex evoii 8kb	n4008c01	
055	C00262133	51015...			card avf109ex evoii 8kb	n4008c01	
056	C00252539			1 x C00263927	smart reader for card 8kb		

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



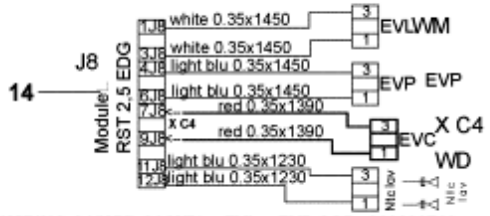
WIRING F = EVA+NTCAS / WIRING G = MTV COD. C00141769



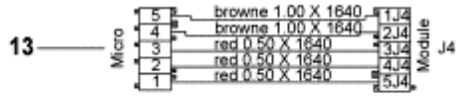
WIRING P = DRUM BLOCK COD. C00112822



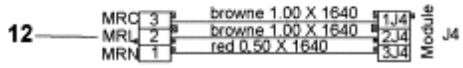
WIRING B2 = DISPLAY CONNECTION COD. C00111227



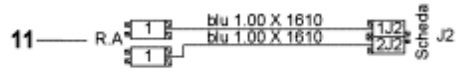
WIRING C1(WM) C3(WD) = EVL + EVP COD. C00093713
WIRING C4 (WD) = EVL + EVP + EVC COD. C00109960



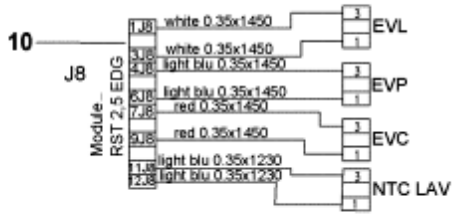
WIRING D = INTERLOCK. + MICRO SWITCH COD. C00093714



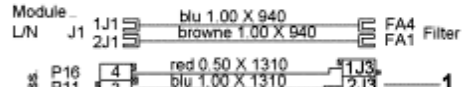
WIRING D1 = INTERLOCK. COD. C00093715

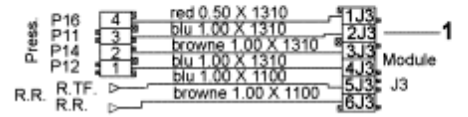


WIRING H = DRYING ELEMENT COD. C00093716

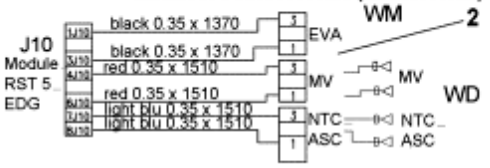


WIRING C = EVL + EVP + EVC COD. C00093724

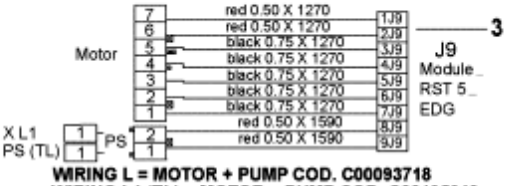




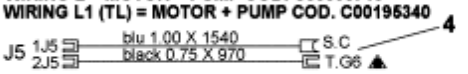
WIRING A COD.C00141139 (ex C00093722)



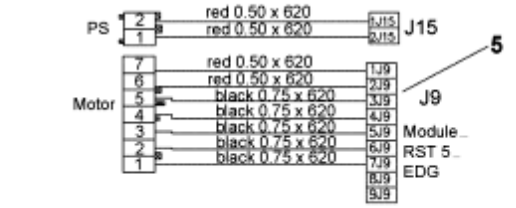
WIRING F = EVA + MV + NTCAS COD.C00093717



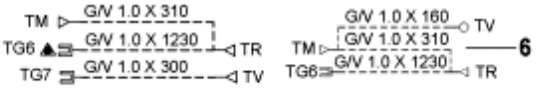
WIRING L = MOTOR + PUMP COD. C00093718
WIRING L1 (TL) = MOTOR + PUMP COD. C00195340



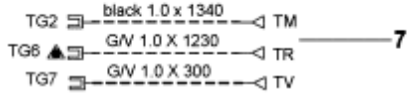
WIRING I = CONDUCTIVITI SENSOR COD. C00093725



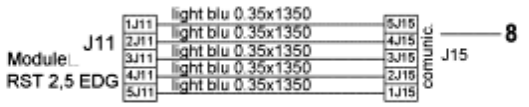
WIRING N = MOTOR + PUMP COD. C00093719



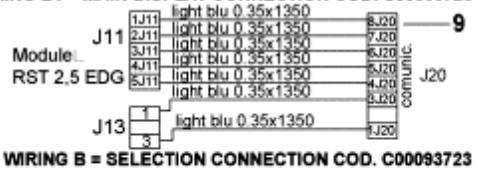
WIRING X = EART STD MACCHINE COD. C00093720



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		80342160900
007	C00093721				wiring earth triphase	n1040365	80342160000
							80342160052
							80342160900
008	C00093726				wiring display		
013	C00093714				wiring door lock-module j4		
014	C00093713				wiring ntc-evl+evp-module j8		

Notices

n1040242: Power card with welded eeprom.

From serial number 20304.0001, IDC power card with welded eeprom is used to ensure the perfect connection of all parts, in the Comunanza, Teverola and Brembate factories.
To replace the module with welded eeprom, it will be necessary to use the eeprom indicated in the SAT document of the model concerned.
To replace the module on a unit with welded eeprom both the SAT module and the eeprom are required, because the latter cannot be reused.

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

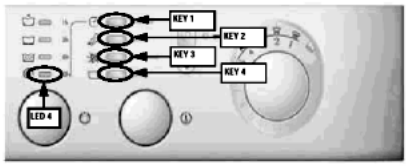
SIMBOLOGIA:
= LED ACCESO = LED SPENTO

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

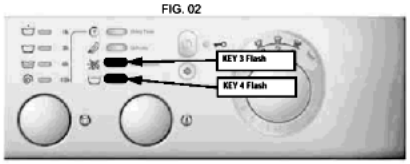
FIG. 01



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



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 umap file (EEPROM no programada o correcta)	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F10	Presostato en Rotor+Vacío o sin salial de vacío ni lleno	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 (sobe carga superior)	LED 4	Tecla 1	Tecla 2	Tecla 3	Tecla 4
F17	Bloqueo puerta desalineado /abierto	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

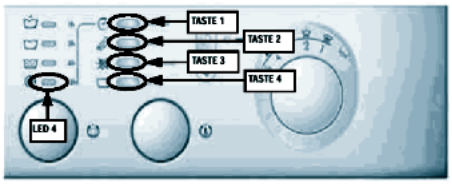
– LED

SIMBOLOGIA:

– led encendido

– led apagado

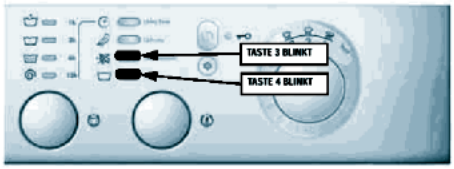
ABB. 01



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

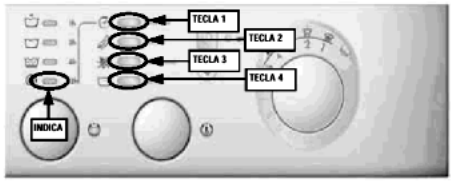
Tab. Störung Led

ABB. 02



Beispiel Störung F03

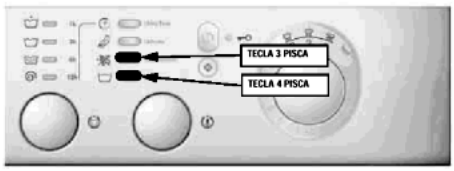
FIG. 01



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

n1040351: Three-phase motors package 40 factory 80.

Since February 2005, all 800, 1000 and 1200 rpm washing machines produced in factory 80 have been equipped with three-phase motors (package 40 code C00115836 for Snelle models and C00116103 for Standard models) and related eeproms.



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

The new items are not interchangeable separately with the premodification ones that will continue to be used.

The last two numbers of the Industrial Code given on the rating plate of the modified models are 52 (e.g. 80300070052).

To determine the codes of the motor or eeprom to be used, it is necessary to know the industrial code or serial number of the appliance being repaired and consult the table n1040351TAB001 attached.

n1040359: Polar White Factory 80 (Comunanza)

From serial no. 50315.0001, the new "Polar White" colour is used on all washing machines and washer-dryers produced in factory 80 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. 80286390900).
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.
The items affected by this modification are:
Body, rear panel, top, control panel, handles, buttons, knobs, knob disc, door and plinth.

n1040365: Elimination of dielectric components from all three-phase models

STANDARD MODEL						
MODEL	MOTOR (STATOR 50)	EEPROM (STATOR 50)	INDUSTRIAL CODE	MOTOR (STATOR 40)	EEPROM (STATOR 40)	DATE START PRODUCTION
AVD109EX	C00094023	C00095729	80284460252	C00116103	C00116076	23/02/05
AVD109SEX	C00094023	C00096448	80284470252	C00116103	C00116046	17/02/05
AVD129EX	C00094023	C00095411	80284480152	C00116103	C00116048	17/02/05
AVL129R	C00094023	C00094659	80286370152	C00116103	C00116045	17/02/05
AVG12EU	C00094023	C00111524	80288710152	C00116103	C00116049	17/02/05
AVL109R	C00094023	C00095420	80297000052	C00116103	C00116066	10/02/05
AVL129EU	C00094023	C00097159	80298410052	C00116103	C00116050	17/02/05
AVD129NL	C00094023	C00096169	80298510052	C00116103	C00116051	17/02/05
AML125FR	C00094023	C00114362	80300070052	C00116103	C00116062	10/02/05
AML119TK	C00094023	C00115008	80305880052	C00116103	C00116052	17/02/05
AMD129EU	C00094023	C00114363	80305890052	C00116103	C00116063	10/02/05
AMD109EU	C00094023	C00115004	80305920052	C00116103	C00116053	17/02/05
AML89EU	C00094023	C00115005	80305960052	C00116103	C00116054	17/02/05
AML129EU	C00094023	C00115053	80305980052	C00116103	C00116064	10/02/05
LBE129ALL	C00094023	C00111128	80325690052	C00116103	C00116065	10/02/05
AVF109SIT	C00094023	C00113361	80331370052	C00116103	C00116055	17/02/05
BWM129	C00094023	C00111908	80332130052	C00116103	C00116057	17/02/05
MLE129ALL	C00094023	C00112842	80332380052	C00116103	C00116058	17/02/05
AVF109SEX	C00094023	C00113401	80340430052	C00116103	C00116067	10/02/05
AVF129EX	C00094023	C00113452	80340440052	C00116103	C00116068	10/02/05
AVF109EX	C00094023	C00115900	80342160052	C00116103	C00116059	17/02/05
SLIM MODEL						
MODEL	MOTOR (STATOR 50)	EEPROM (STATOR 50)	INDUSTRIAL CODE	MOTOR (STATOR 40)	EEPROM (STATOR 40)	DATE START PRODUCTION
AVSD129EU	C00095316	C00096321	80299690052	C00115836	C00115834	17/02/05
AVSL109IT	C00095316	C00095377	80284290252	C00115836	C00116637	26/01/05
AVSL129R	C00095316	C00095788	80297690052	C00115836	C00116638	26/01/05
AVSD120FR	C00095316	C00095489	80284400152	C00115836	C00116639	03/02/05
AVSD109IT	C00095316	C00095314	80289050052	C00115836	C00116640	03/02/05
AVSL89IT	C00095316	C00096028	80291170152	C00115836	C00116641	26/01/05
AVSL109R	C00095316	C00095387	80297010052	C00115836	C00116642	26/01/05
AVSG12EU	C00095316	C00112844	80297760152	C00115836	C00116643	26/01/05
AVSD109EU	C00095316	C00096324	80296280052	C00115836	C00116644	26/01/05
AVSD109SEX	C00095316	C00096839	80299930052	C00115836	C00116646	26/01/05
AVSD1209IT	C00095316	C00097296	80300390052	C00115836	C00116647	03/02/05
AVSL9EIT	C00095316	C00109683	80314940052	C00115836	C00116648	26/01/05
AVSL129IT	C00095316	C00109814	80319300052	C00115836	C00116649	03/02/05
AVSF109SIT	C00095316	C00114993	80331380052	C00115836	C00116650	03/02/05
AVSF109EU	C00095316	C00114577	80340460052	C00115836	C00116651	03/02/05
AVSF120FR	C00095316	C00114987	80344100052	C00115836	C00116652	03/02/05
AVSF129EU	C00095316	C00114481	80340470052	C00115836	C00116653	03/02/05

From serial no. 50314.0001, dielectric components have been eliminated from all three-phase models produced in the Comunanza factory (80).
The modification involves the following parts: motor, bushing, elastic belt, earth wiring and power supply cables with filter.
The new items are not interchangeable separately with the premodification ones. The new codes are indicated below.

Modified appliances with serial number = o > 50314.0001.
C00118629 - BELT L=1046 - 1051 MM H8 ELASTIC;
C00118675 - MOTOR PIN BUSHING 20 MM;
C00115769 - POWER CABLE 3 x 1.0 1.5MT SHUKO THREE-PHASE (+ enhanced filter);
C00118821 POWER CABLE UK 3X1 L1950MM+THREE-PHASE FILTER (+ enhanced filter);
C00118820 - POWER CABLE L=2.55M AUSTR. THREE-PHASE (+ enhanced filter);
C00093720 THREE-PHASE EARTH WIRING.

Premodified appliances, with serial number < 50314.0001.
C00074218 - BELT L=1046 - 1051 MM H8 ELASTIC DIELECTRIC;
C00019682 - MOTOR PIN BUSHING 20 MM DIELECTRIC
C00094203 - POWER CABLE 3 x 1.0 1.5MT SHUKO THREE-PHASE
C00111940 - POWER CABLE UK 3X1 L1950MM+THREE-PHASE FILTER
C00096465 - POWER CABLE L=2.55M AUSTR. THREE-PHASE
C00093721 THREE-PHASE EARTH WIRING

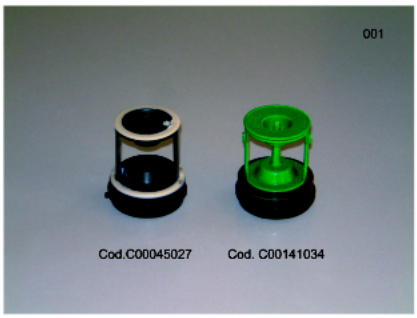
n1040376: Drain pump with filter with pin.

A new drain pump with filter with pin has been introduced progressively as from serial no. 50609.0001.

New parts:
C00119307 - Drain pump with pin filter;
C00141034 - Askoll / Plaset drain pump with pin filter kit (figure 001);

Premodification parts:
C00092264 - Drain pump;
C00045027 - Askoll / Plaset pump filter kit (figure 001);

The new parts can be used on all WASHING MACHINES previously equipped with the premodification parts.



n1040378: 3.5 three phase module, factory 80 (Comunanza)

From October 2005, the new 3.5 module has been installed on three phase Comunanza models (80)

New parts:
C00254298 - Three phase module for card LB-WD 3.5;
C00141769 - J10-MV J16-EVA/NT WD cables (see picture attached).

Premodification parts:
C00257406 - MODULO WD>1200 G. +SC FW2.74 (CARD)
C00093717 - Cables J10-EWA MV NT WD.

The new items are not interchangeable with the premodification ones.

New CARDS codes have been introduced for use with modified products; the list of part codes affected is given below along with

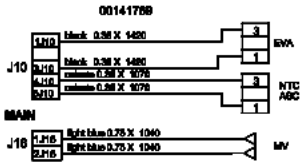
the industrial code on which the modification was introduced, the relevant serial number, the eeprom code introduced (to be used only on modified products) and the model code.

80288730905 - 51024.0001 - C00141772 - AVD149EX
80298490905 - 51017.0001 - C00141774 - AVL169EU
80319300905 - 51015.0001 - C00141775 - AVSL129IT
80328540905 - 51017.0001 - C00141773 - AVL135FR
80314940905 - 51020.0001 - C00141777 - AVSL9EIT
80325690905 - 51003.0001 - C00141784 - LBE129ALL
80286370905 - 51008.0001 - C00141789 - AVL129R
80332130905 - 51011.0001 - C00141790 - BWM129
80284480905 - 51007.0001 - C00141795 - AVD129EX
80284460905 - 51025.0001 - C00141796 - AVD109EX
80297000905 - 51007.0001 - C00141797 - AVL109R
80340430055 - 51020.0001 - C00141799 - AVF109SEX
80342160905 - 51015.0001 - C00141800 - AVF109EX
80344100905 - 51020.0001 - C00141801 - AVF120FR
80297010905 - 51013.0001 - C00141803 - AVSL109R
80291170905 - 51012.0001 - C00141805 - AVSL89IT
80284291005 - 51015.0001 - C00141806 - AVSL109IT
80340440905 - 51025.0001 - C00141809 - AVF129EX
80319780905 - 51013.0001 - C00141770 - AML135FR
80305920905 - 51024.0001 - C00141781 - AMD109EU
80332140905 - 51011.0001 - C00141779 - BWD129
80305890905 - 51025.0001 - C00141782 - AMD129EU
80325700905 - 51011.0001 - C00141784 - CDE129ALL
80305960905 - 51005.0001 - C00141785 - AML89EU
80305980905 - 51013.0001 - C00141787 - AML129EU
80300070905 - 51013.0001 - C00141788 - AML125FR
80332390905 - 51014.0001 - C00141798 - MLSE129ALL
80284470255 – 51027.0001- C00142008 - AVD109SEX
80296280905 – 50928.0001 - C00142009 - AVSD109EU
80297690905 – 51027.0001 - C00142010 - AVLS129R
80299930055 - 51102.0001 - C00142011 - AVSD109SEX
80300080905 – 51027.0001 - C00142012 - AMD145FR
80297760905 - 51031.0001 - C00254537 - AVSG12EU
80340451005 - 51104.0001 - C00142013 – AVF149EX
80340460905 - 51028.0001 - C00142014 - AVSF109EU
80340470905 - 51029.0001 - C00142015 - AVSF129EU
80331370055 – 51027.0001 - C00142017 - AVF109SIT
80288710905 - 60215.0001 - C00141808 - AVG12EU.
80303630905 - 51031.0001 - C00098467 -AVD149DE
80284340905 - 60131.0001 - C00142007 - AVG1600EU
80284890905 - 60131.0001 - C00143734- AVG16TK
80339800105 - 60208.0001 - C00254277 - AVF169SK.

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

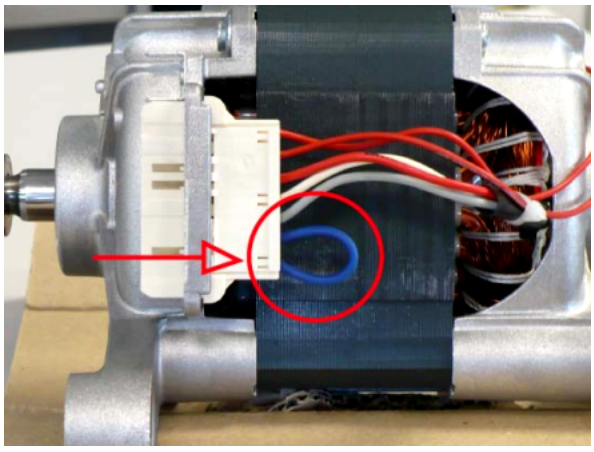
TRIPHASE P40 46 L – PLASTIC TUB
C00265826 new motor without thermic link wire - C00142390 premodification motor with thermic link wire

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

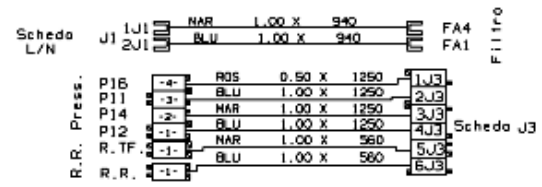
TRIPHASE P40 46 L TOP LOADING
C00265834 nuovo new motor without thermic link wire - C00112739 premodification motor with thermic link wire

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

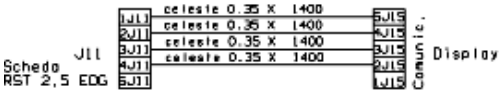


Electric schemes and links

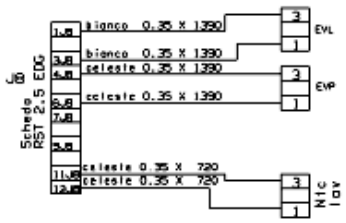
Cod. 16001900500



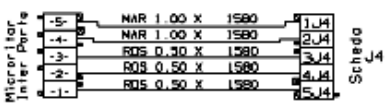
COMPLESSIVO A



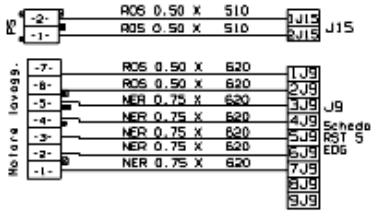
COMPLESSIVO B1 = COMUNICAZIONE DISPLAY



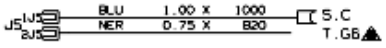
COMPLESSIVO C1 = EVL+EVP



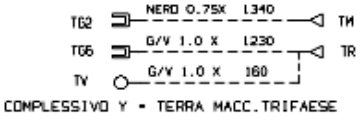
COMPLESSIVO D = Microrit+IP



COMPLESSIVO n = Motore+pompa



COMPLESSIVO I = SENS.CONDUCIB



COMPLESSIVO Y = TERRA MACC.TRIFASE

16001900500

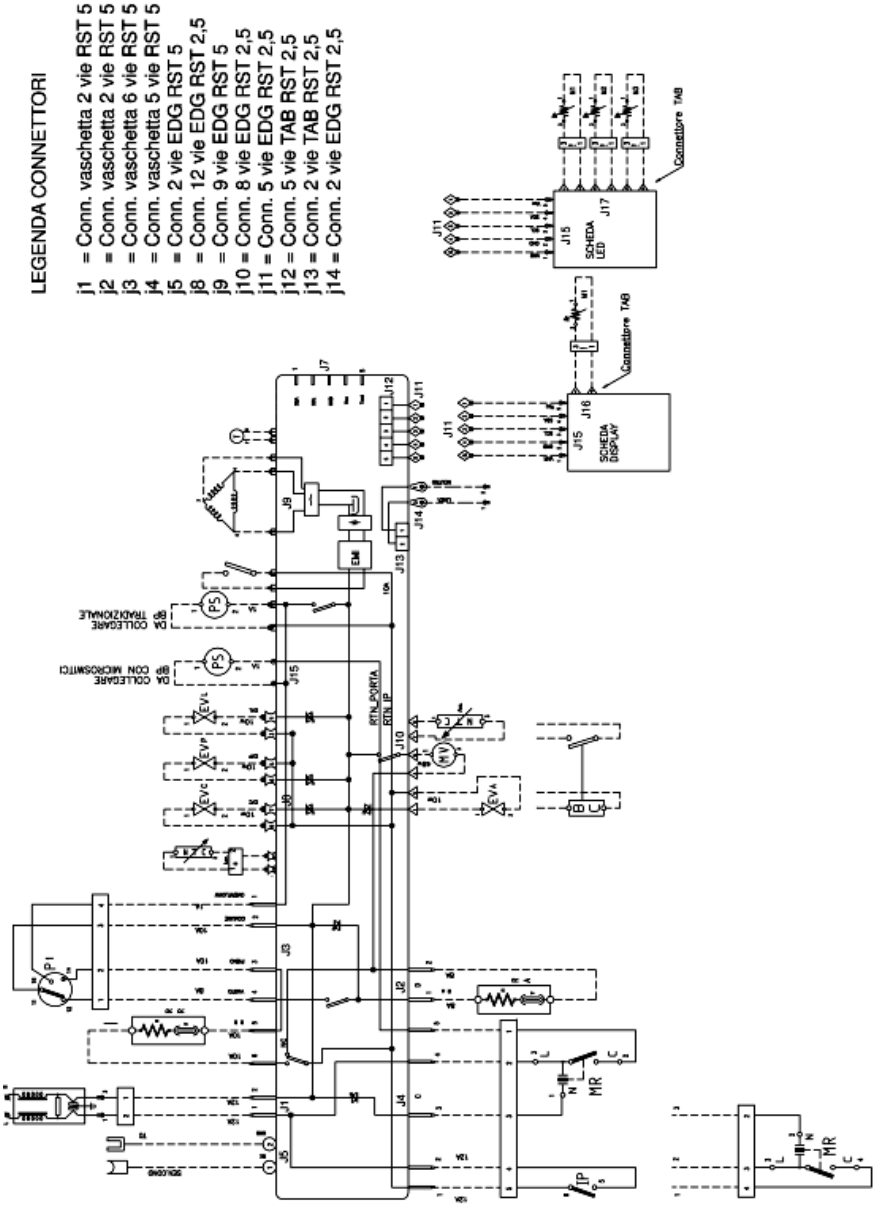
Legend

Legend: 16001900500

Electric schemes and links

Cod. 21500759700

Valid plan for the following Industrial codes 80342160000,80342160052,80342160900



MODULO EVO II TRIFASE 215007597.00

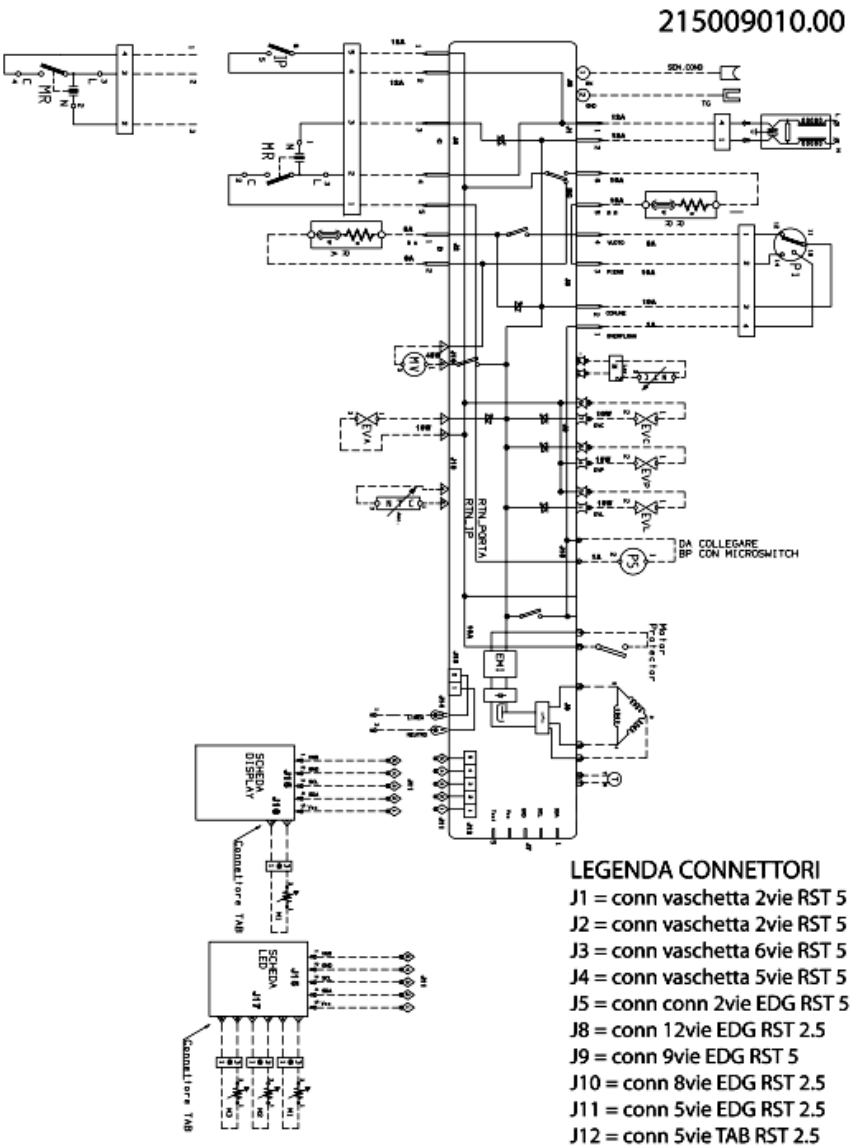
Legend

Legend: 21500759700

Electric schemes and links

Cod. 21500901000

Valid plan for the following Industrial codes 80342160905



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
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