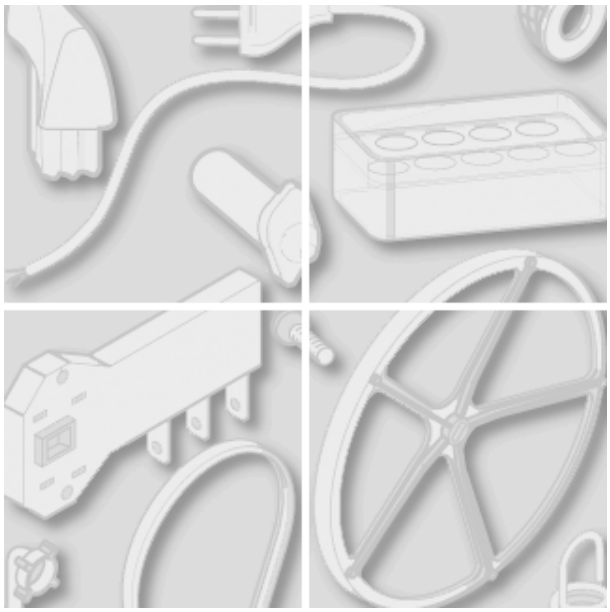
INDESIT company



Model type:
AVTL89EU

Commercial code:
F033197

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

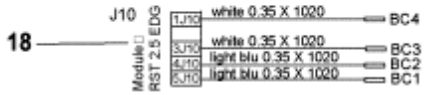
INDUSTRIAL CODE: list of variables of a model (shown into model label) where such spare is used; NOTICE: code of information(s) to refer to complete technical intervention, track for changes or to find correct spare part code.

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

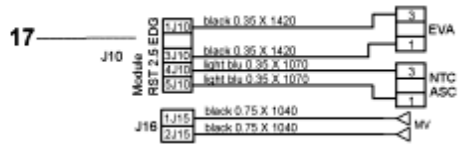
7.Technical documentation cover shows model name and its commercial codes

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



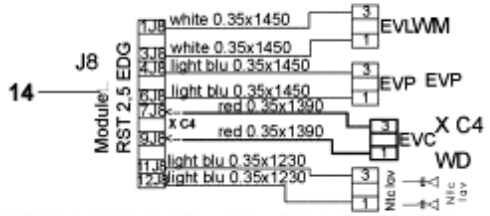
WIRING F = EVA+NTCAS / WIRING G = MTV COD. C00141769



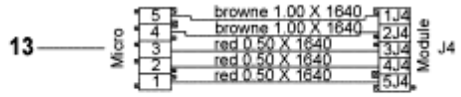
WIRING P = DRUM BLOCK COD. C00112822



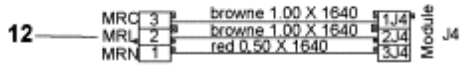
WIRING B2 = DISPLAY CONNECTION COD. C00111227



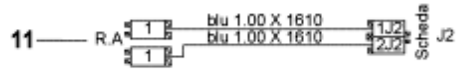
WIRING C1(WM) C3(WD) = EVL + EVP COD. C00093713
WIRING C4 (WD) = EVL + EVP + EVC COD. C00109950



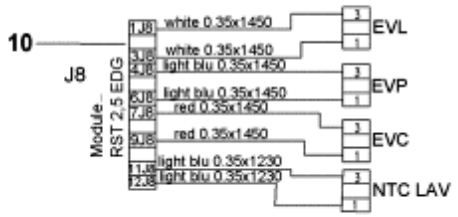
WIRING D = INTERLOCK. + MICRO SWITCH COD. C00093714



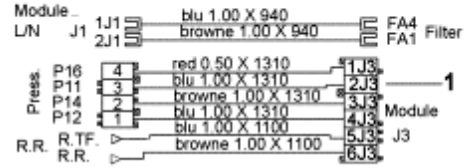
WIRING D1 = INTERLOCK. COD. C00093715



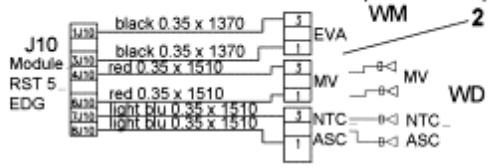
WIRING H = DRYING ELEMENT COD. C00093716



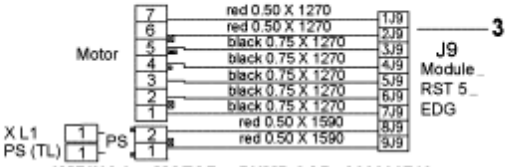
WIRING C = EVL + EVP + EVC COD. C00093724



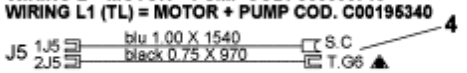
WIRING A COD.C00141139 (ex C00093722)



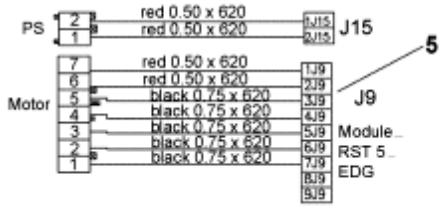
WIRING F = EVA + MV + NTCAS COD.C00093717



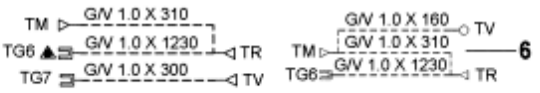
WIRING L = MOTOR + PUMP COD. C00093718
WIRING L1 (TL) = MOTOR + PUMP COD. C00195340



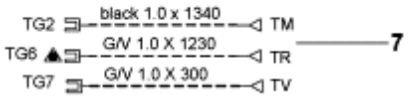
WIRING I = CONDUCTIVITI SENSOR COD. C00093725



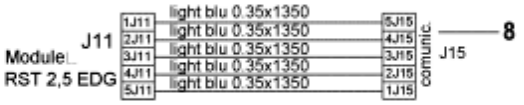
WIRING N = MOTOR + PUMP COD. C00093719



WIRING X = EART STD MACCHINE COD. C00093720



WIRING Y = EART TRI-PHASE MACCHINE COD. C00093721



WIRING B1 = MAIN-DISPLAY CONNECTION COD. C00093726



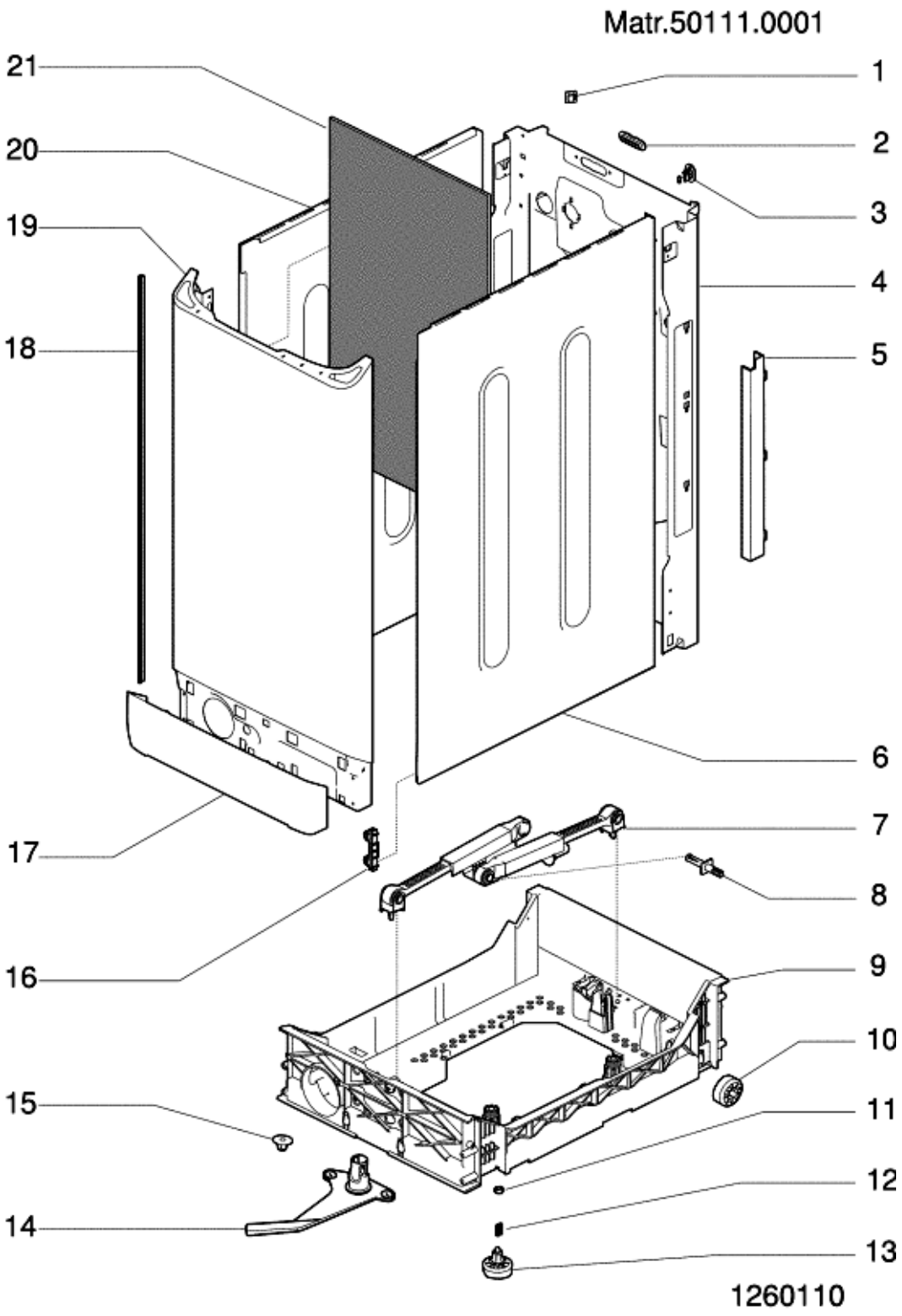
WIRING B = SELECTION CONNECTION COD. C00093723

1140960

1140960 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
001	C00141139				wiring		
003	C00195340				wiring ml + ps (tl) 24000101511		
007	C00093721				wiring earth triphase		
008	C00093726				wiring display		
012	C00093715			1 x C00259857	wiring door lock-module j4		
014	C00093713				wiring ntc-evl+evp-module j8		

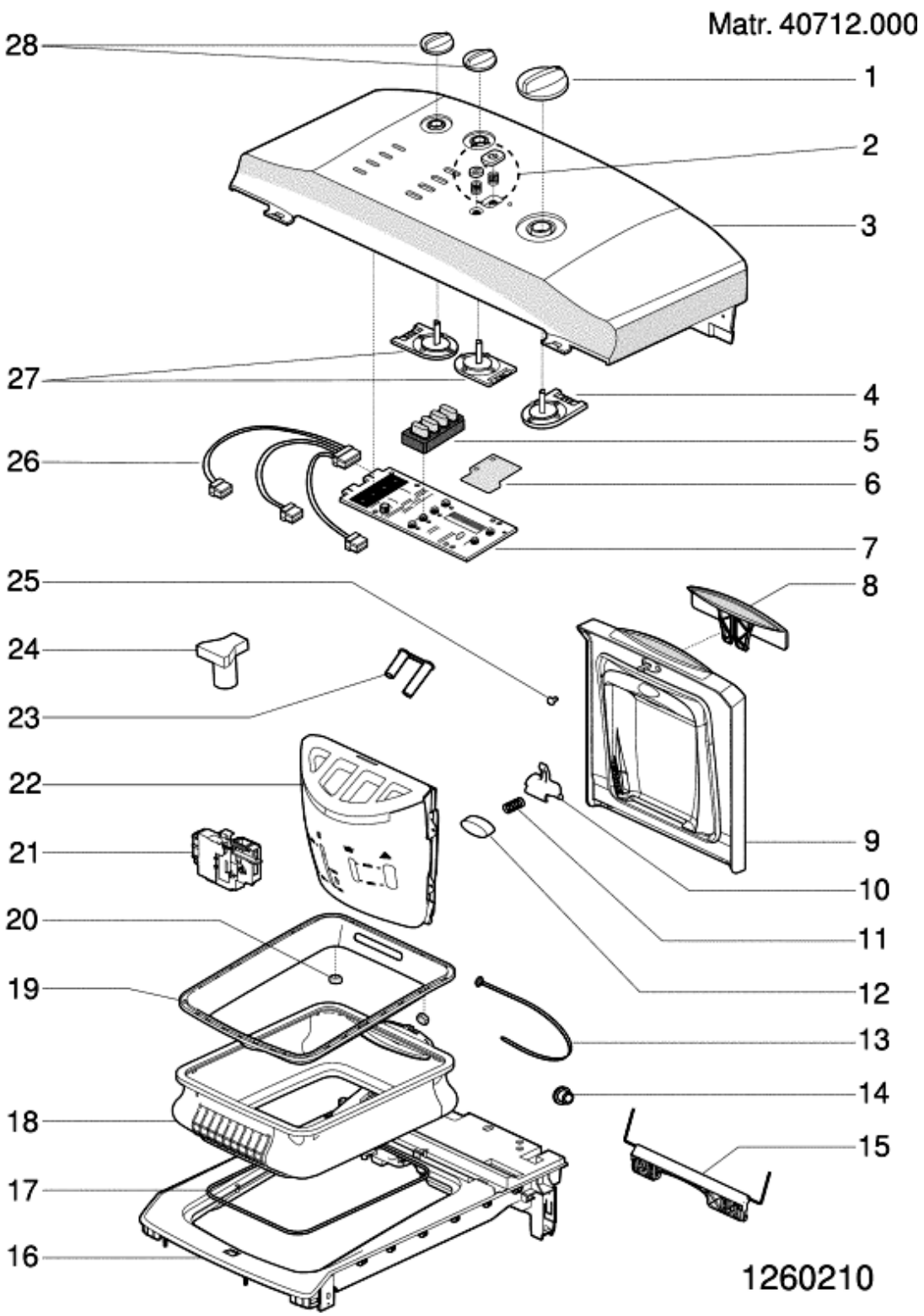
1260110 Exploded views



1260110 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
000	C00112761				instruction book gb-pl-hu-cz-pt		
001	C00041575				adhesive hook		
002	C00083909				blanking plate-rear(test plug) tl		
004	C00112632		00930...	1 x C00281816	back panel tl evoii		
				1 x C00281831			
004	C00281816	01001...			back panel tl new		
005	C00083901				wire protection		
006	C00083774			1 x C00084913	side panel right top ph2001		91331970000
				1 x C00117342			
006	C00117340			1 x C00117342	side panel right tl white(pw)		
007	C00083787			1 x C00196002	shock absorber 120n top ph2001		
008	C00055037				plastic expansion rivet	n1040414	
008	C00118593			1 x C00280757	plastic expansion peg		
009	C00093539				moving support top		
011	C00083788				nut foot		
012	C00059869				spring for foot d =11 mm h = 21		
013	C00083789		80226...		foot top ph2001 m8 h= 29 mm		
013	C00264322	80227...			foot h32.5 mm		
015	C00083786				nut ro-mob m6 d.28 1.5 top		
016	C00083780				block side panel cabinet		
017	C00111488			1 x C00116852	white27 base tl evoii		91331970000
017	C00116852				white(pw) base tl evoii		
018	C00065071				side panel trim (90701)		
019	C00085462			1 x C00117345	front panel top ph2001		91331970000
019	C00117345				front panel tl white(pw)		
020	C00083776			1 x C00084913	side panel left top ph2001		91331970000
				1 x C00117342			
020	C00117341			1 x C00117342	side panel left tl white(pw)		
021	C00115246				front unsound matress tl evoii		
099	C00065871				blanking plug		

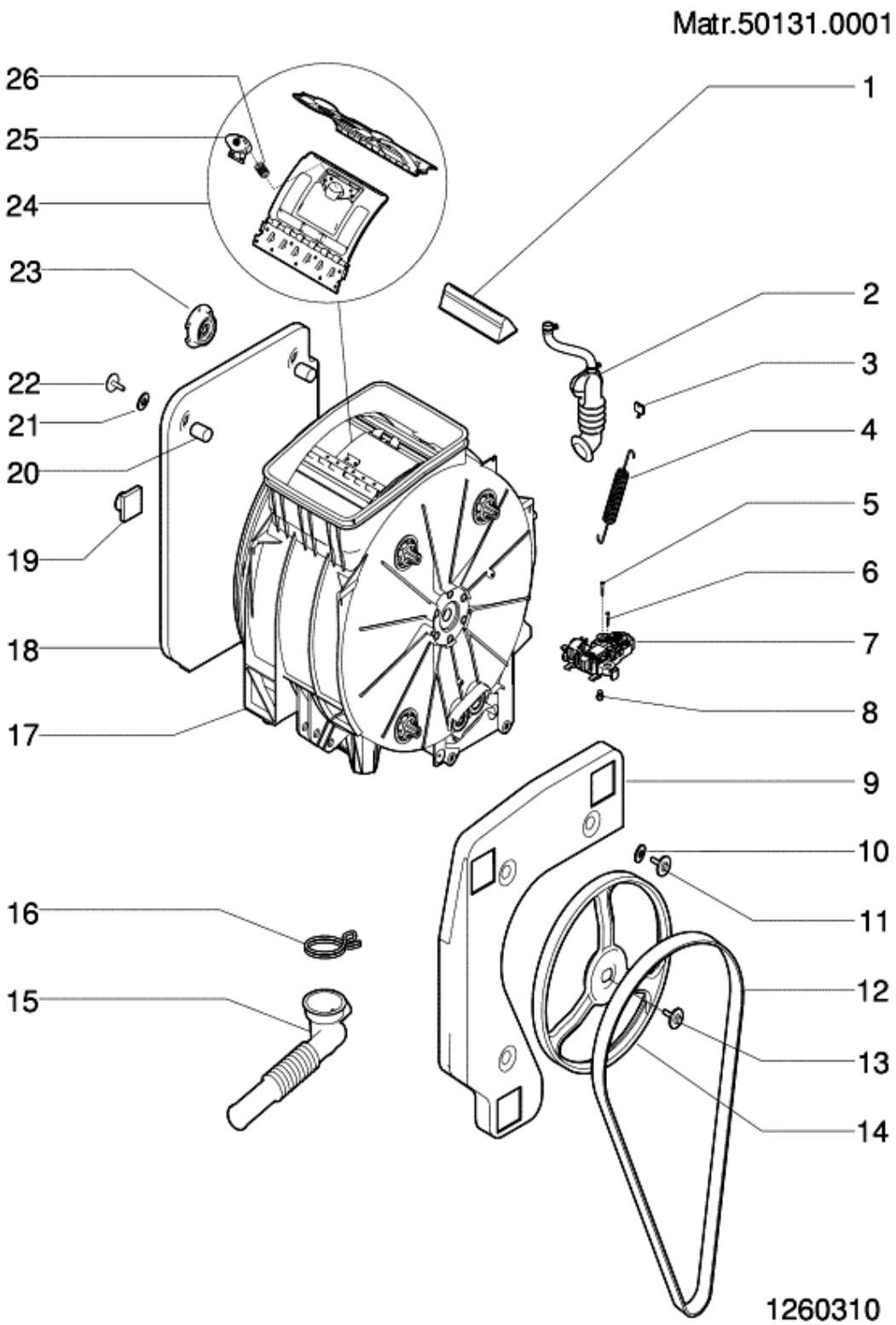
1260210 Exploded views



1260210 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
001	C00112762			1 x C00116855	knob s.t. blue ariston		91331970000
001	C00116855				knob s.t. blue ariston		
002	C00110116				on-off / reset push button white		91331970000
002	C00116919			1 x C00110116	push-buttons kit pw lbe on-		
003	C00112764				white27 dashboard avtl89eu		91331970000
003	C00116945				white(pw) dashboard avtl89eu		
004	C00087067			1 x C00143095	programme select bitron 16		
005	C00109855				silicone push buttons		
007	C00143338				display pcb		
008	C00111503			1 x C00116854	handle cover s.t.white27 tl evoii		91331970000
008	C00116854				handle cover s.t.white(pw) tl evoii		
009	C00111504			1 x C00116874	white27 cover s.t. ariston tl evoii		91331970000
009	C00116874				white(pw) cover s.t. ariston tl evoii		
010	C00083918				blocking stem dispenser		
011	C00083922				spring dispensertl ph2001		
012	C00084983			1 x C00116868	push-button dispenser white27 ph		91331970000
012	C00116868				push-button dispenser white(pw) tl		
013	C00031331			1 x C00033210	clamp		
015	C00087073				spring support		
016	C00111490			1 x C00116865 1 x C00143125	white27 lower cover tl evoii		91331970000
016	C00116865			1 x C00143124	white(pw) lower cover tl evoii		
017	C00057933				bellows clamp (tank front)		
018	C00111495				diaphragm tl evoii		
019	C00083924			1 x C00116866	white27 protection diaphragm tl		91331970000
019	C00116866				white(pw) protection diaphragm tl		
021	C00111494				door interlock tl evoii		
022	C00084343			1 x C00116869	dispenser white27 tl ph2001		91331970000
022	C00116869				dispenser white(pw) tl ph2001		
023	C00084359				cover siphon tl ph2001		
026	C00109854				wiring console lbe evoii		
027	C00085195			1 x C00143096	potentiometer 8 pos. idc rast 2,5		
028	C00112763				knob s.t. light blu ariston		91331970000
028	C00116856				knob s.t. light blu ariston		

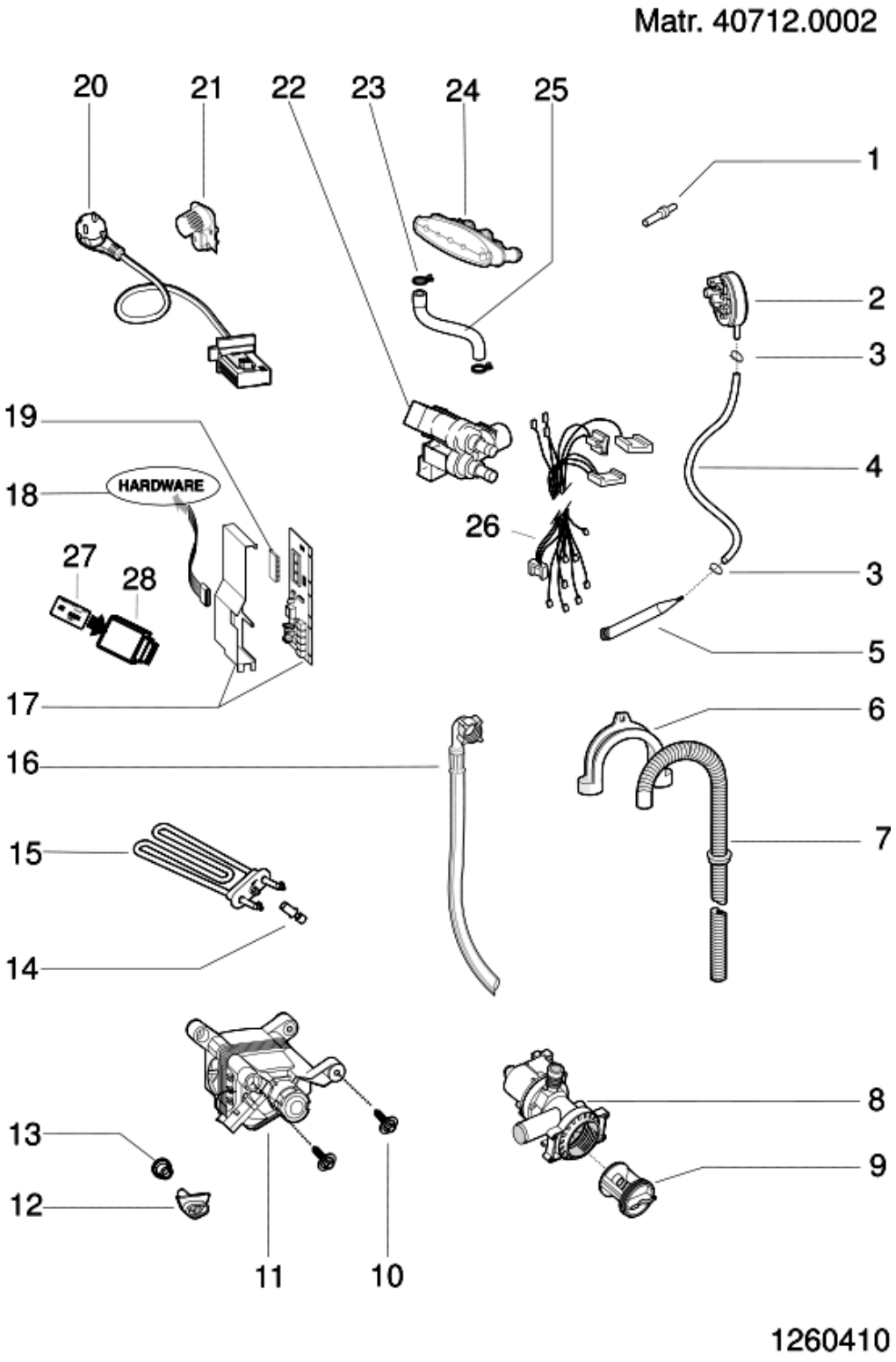
1260310 Exploded views



1260310 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
001	C00051504				lifter		
001	C00083894				lifter with weight		
002	C00112602		00930...		steam exhaust hose tl evoii		
002	C00281835	01001...			steam exhaust hose tl rec.st.by		
003	C00065320				anchorage pad - suspension		
004	C00083798				suspension spring - tank tl ph2001		
004	C00085463				front suspension spring - tank tl		
009	C00083794				counterweight dx tl ph2001		
010	C00041605				conic washer		
011	C00083797				screw sw. 8x27 tc-t30		
012	C00092020	90903...			belt tl1200 1214j5/1226j5		
012	C00112741		90902...	1 x C00092020	belt 1226j6 tl evoii		
013	C00064786			1 x C00143260	bolt m8x23 torx tefl		
014	C00083912			1 x C00142832	drum pulley d280 p21,2 tl	n1040404	
014	C00142832				drum pulley d280 24,2 tl ph2001		
015	C00111502				hose tank to filter oko tl evoii		
017	C00111505		00930...	1 x C00281816 1 x C00281835 1 x C00282093	plastic tank 600/1000 tl evoii##	n4009a02	
017	C00282093	01001...			plastic tank 600/1000 tl ##		
018	C00083896			1 x C00195213	counterweight sx tl ph2001		
019	C00055303				insulation panel		
021	C00041605				conic washer		
022	C00083797				screw sw. 8x27 tc-t30		
023	C00087966				support		
024	C00080691				kit boltz and nutz tl	n1040245	
024	C00112743			1 x C00252375	load orifice soft 'tl evoii'	n1040245	
025	C00114990				blue push-button tlevoii	n1040345	
026	C00114989				button spring tl evoii	n1040345	
099	C00091902				kit package tl ph2002		

1260410 Exploded views



1260410 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
002	C00111493				pressure switch 1+1 liv. tl evoii		
004	C00083897				pipe pressostat tl ph2001		
005	C00092173				air trap x oko		
006	C00036145			1 x C00019902	plastic support for drain hose		
007	C00051563				drain hose - to sink		
008	C00111409			1 x C00141862	self cleaning pump tl evoii	n1040382	
008	C00141862			1 x C00281986	self cleaning pump tl evoii		
				1 x C00302918			
009	C00045027				pump filter kit	n1040382	
009	C00141034				filter element kit		
009	C00297161				filter element kit copreci		
010	C00084333		80817...	1 x C00268497	screw m8x35 tc-t30		
010	C00268497	80818...			screw m8x35 tc-t30		
011	C00112739		71209...	1 x C00265834	motor three phase p40 tl evoii		91331970000
				1 x C00265838			91331970900
							91331970905
011	C00262375	71210...	80428...	1 x C00265832	motor three phase p32 tl evoii	n4008f00	91331970907
				1 x C00265838			
011	C00265832	80429...			motor three phase p32 tl evoii	n4008f00	91331970907
012	C00112740		80127...		fixing nut motor three phase tl		
012	C00266015	80128...	80817...		fixing nut motor three phase tl		
013	C00083914				motor rubber bush		
014	C00083915				thermistor ntc		
015	C00110148				heater 1700w-230v tl		
016	C00003070				mains inlet hose cold 25c 10bar		
016	C00005572				sealing washer-mains inlet hose		
017	C00094047				support cover 3 f		
017	C00094049				bracket for module 3 f		
017	C00108982		51019...		module t-ph.sth toploading evoii	n1040388	91331970000
							91331970900
017	C00254298	51020...			module(3 phase /3.5 software/inc	n1040388	91331970905
						n4008c01	
020	C00094203			1 x C00115769	supply cable 3 x 1.0 1,5mt shuko		
021	C00281831	01001...			grate steam exhaust hose tl/s-by		
022	C00096350			1 x C00116159	electrovalve 1e2u p.2.5		

1260410 Spare parts list

Ref.	Code	From	To S/N	Substitute	Description	Notice	Industrial
023	C00054734				binding		
024	C00083941				distribution assembly tl		
025	C00097841				hose fill valve l=145		
027	C00261681		51019...		card avtl89eu evoii 8kb sw	n1040388	91331970000
						n4008c01	91331970900
027	C00262551	51020...	71209...		card avtl89eu evoii 8kb sw	n1040388	91331970905
						n4008c01	
027	C00264476	71220...			card avtl89eu evoii 8kb sw	n4008c01	91331970907
028	C00252539			1 x C00263927	smart reader for card 8kb		

Notices

n1040245: Brembate washing machine basket doors re

For all washing machine models produced in the Brembate factory and relevant to this note, in replacing the loading mouth code 083895/112743/252375 proceed as follows:
-remove the 18 rivets (9 on the right, 9 on the left) hooking the two doors to the loading mouth on the machine;
-take replacement part 083895/112743/252375 and carry out the same operation described in the previous point;
-hook the two new doors and the new loading mouth on the basket of the machine using the nut and bolts kit code 080691 (formed of 18 screws + 18 washers + 18 nuts);
-use silicone (SAT code 081629) for hooking the loading mouth on the basket.

n1040345: Replacement of drum lock button TL EVOII.

Tools and material needed: pliers, screwdriver, gauge, spring P/N Sat 114989, button P/N Sat 114990.

1) turn the central tip of the catch in the direction shown (FIG.1);

2) bring the tip to a vertical position and ensure that the broken button is disengaged from the catch restraint and can be removed (FIG.2);

3) remove the remaining part of the button with the aid of a screwdriver, taking care not to scratch the doors (FIG.3);

4) pre-assemble spring to button (FIG.4);

5) insert button between catch and door (FIG.5);

6) bring the button into position and arrange the spring in its location in the door (FIG.6);

7) turn the central tip of the catch in the direction shown to return it to its starting position (FIG.7);

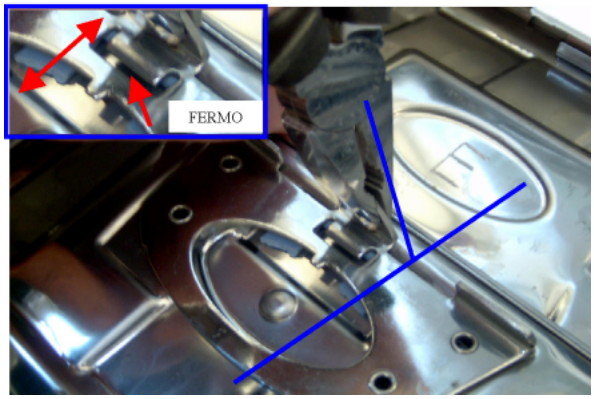
8) check the distance between button and catch (FIG.8);

9) check correct operation of the button when opening and closing the doors (slight inclination errors of the catch can result in faulty closing of the doors) (FIG.9).

N1040345fig1



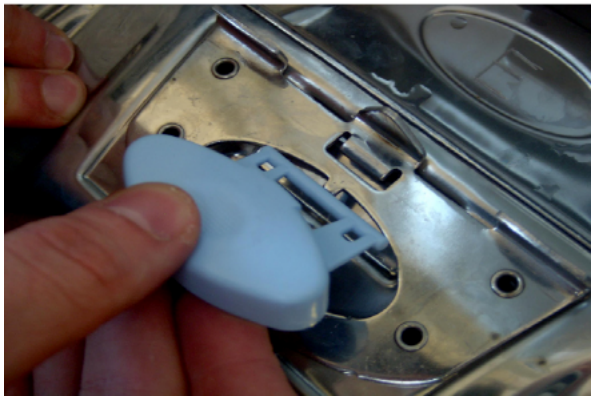
N1040345fig2



N1040345fig3



N1040345fig5



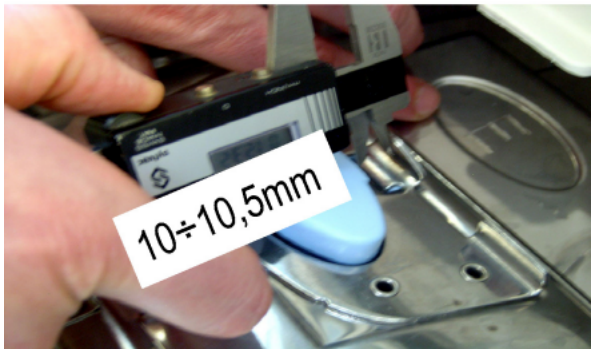
N1040345fig6



N1040345fig7



N1040345fig8



N1040345fig9



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.

n1040382: Drain pump with bayonet-style filter - top Loading Brembate

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From serial no. 51021.0001 a new drain pump with bayonet-style filter has been installed on all top loading washing machines manufactured in Brembate.

New parts:
C00141862 - Drain pump
C00141034 - Pump filter kit

Premodification parts:
C00111409 - Drain pump
C00045027 - Pump filter kit

The new parts can be used instead of premodification ones.

n1040388: 3.5 three phase module introduced - top-loading Brembate

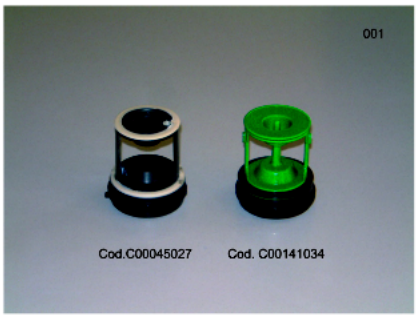
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From serial no. 51020.0001 a new 3.05 three phase module has been introduced.
The modification affects the following parts:
-module
-eeprom
-cables (for washing machine with tub lock only)

New parts:
C00265676 three phase module 3.5 - for models with conducibility sensor
C00254298 three phase module 3.5 - for models without conducibility sensor
C00141995 - tub lock cables

Premodification parts:
C00108982 - three phase module
C00112822 - tub lock cables

The spare parts warehouse is not managing the premodification module C00108982, so the new 3.5 C00254298/C00265676 can be fitted on the premodification models using the new setting file the new tub lock cables (on products with tub lock).



ATTENTION!! USING THE NEW MODULE ON PREMODIFICATION MODELS, WHEN YOU DOWNLOAD THE SETTING FILE WITH PALM YOU MUST SELECT A SERIAL NUMBER AFTER THE MODIFICATION.

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 eeprom:

91.32000.0905 - AVTL129FR - card C00262150
91.33199.0905 - AVTL109EU - card C00262151 - washing machine with tub lock
91.33201.0905 - AVTF109EU - card C00262155 - washing machine with tub lock
91.33202.0905 - AVTF129EU - card C00262156 - washing machine with tub lock
91.33808.0905 - AVTL89IT - card C00262244
91.33809.0905 - AVTL109IT - card C00252476
91.33810.0905 - AVTF129IT - card C00262245 - washing machine with tub lock
91.34554.0905 - AVTF129FR - card C00262247 - washing machine with tub lock
91.30461.0905 - AVTL119FR - card C00262550
91.33197.0905 - AVTL89EU - card C00262551
91.33969.0905 - AVTL108FR - card C00262552

n1040404: New pulley installed on top loading washing machines up to 1000RPM (NO tub lock)

From serial no. 51202.0001 the pulley track has been widened from 21.2mm to 24.2mm (see picture N1040404FIG1).

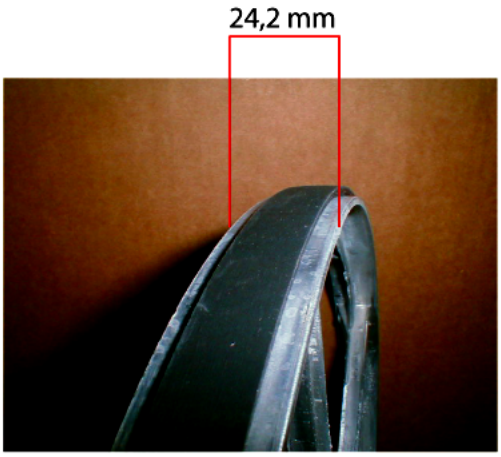
new pulley
C00142832 - D280 24.2 mm track

Premodification pulley

C00083912 - D280 21.2 mm track

The new pulley can also be used on premodification versions of the models referred to in this release.

N1040404FIG1



n1040414: New expander installed on Top Loading Brembate.

From serial no. 50213.0001 the new expander C00118593 has replaced the original part C00055037.
The new expander can also be used on premodification versions of the models referred to in this bulletin.

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

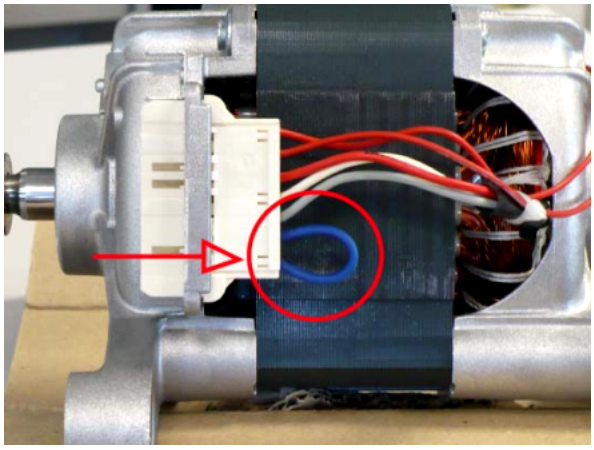
TRIPHASE P40 46 L – PLASTIC TUB
C00265826 new motor without thermic link wire - C00142390 premodification motor with thermic link wire

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.



n4009a02: Motor fixing changed on Top Loading washing machines

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Top Loading washing machines have changed the fix of motor to the tub.
The tub design is changed in the motor fixing side and two new screws code C00268497 are introduced instead of the old screws C00084333 and the old nut:

C00266015 nut of products with Triphase motor;

C00258673 nut of products with Collector motor.

Spare parts warehouse will go on to manage only the new tubs with the same spare part codes:

C00111505 - Tub 600/1000 rpm

C00111573 - Tub 1200 rpm

C00252343 - Tub 1400 rpm

In assistance on premodification products with the new tubs, you have to fix the motor using the new screws C00268497 instead of the screws and nut that you find in the product.

Dete of modify in production:

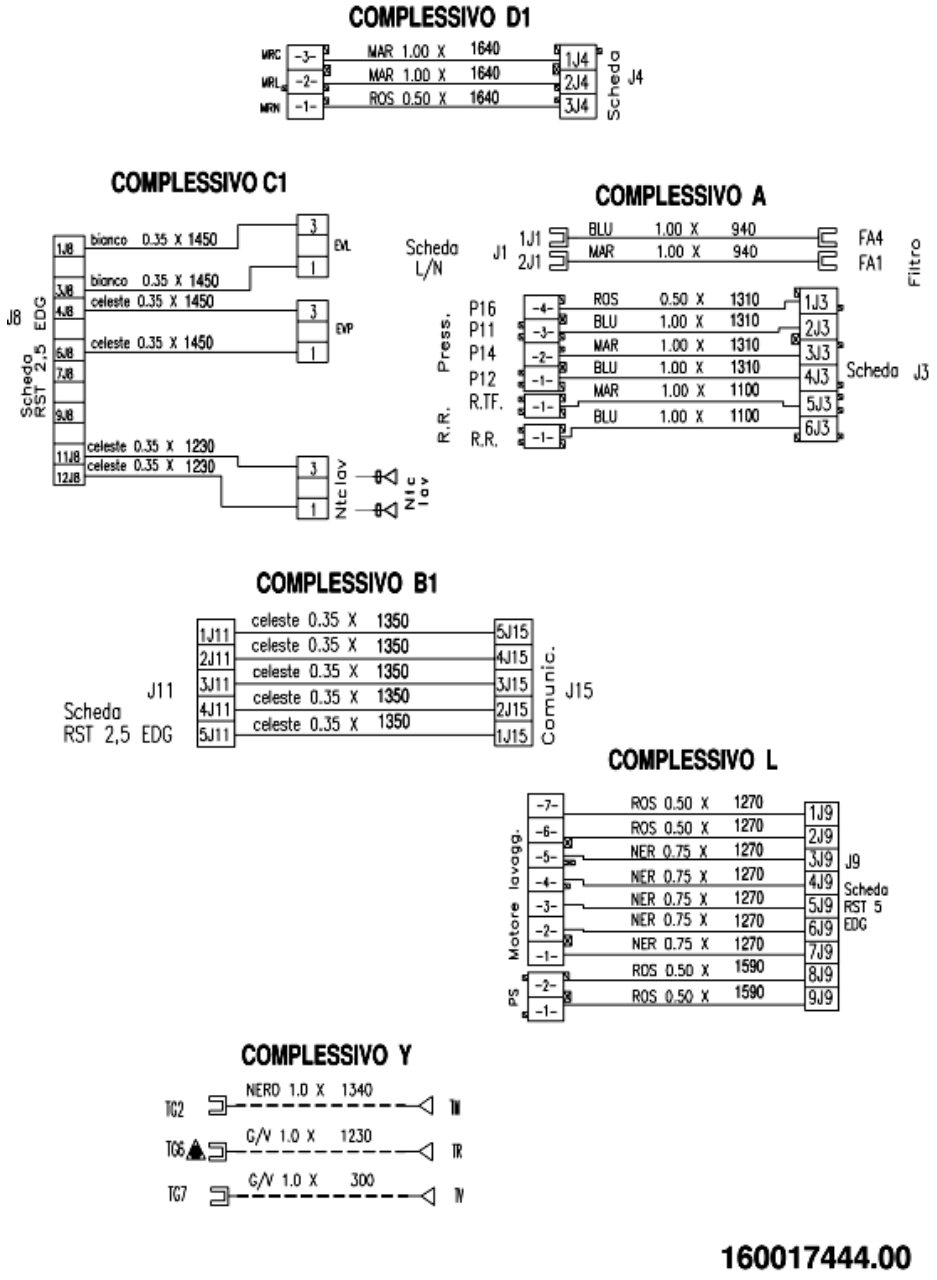
s/n 80818.0001 - all models 1400 rpm Collector and Triphase motor

s/n 80818.0001 - all models 600 – 800 – 1000 – 1200 rpm Triphase motor

s/n 90113.0001 - all models 600 – 800 – 1000 – 1200 rpm Collector motor

Electric schemes and links

Cod. 16001744400



Legend

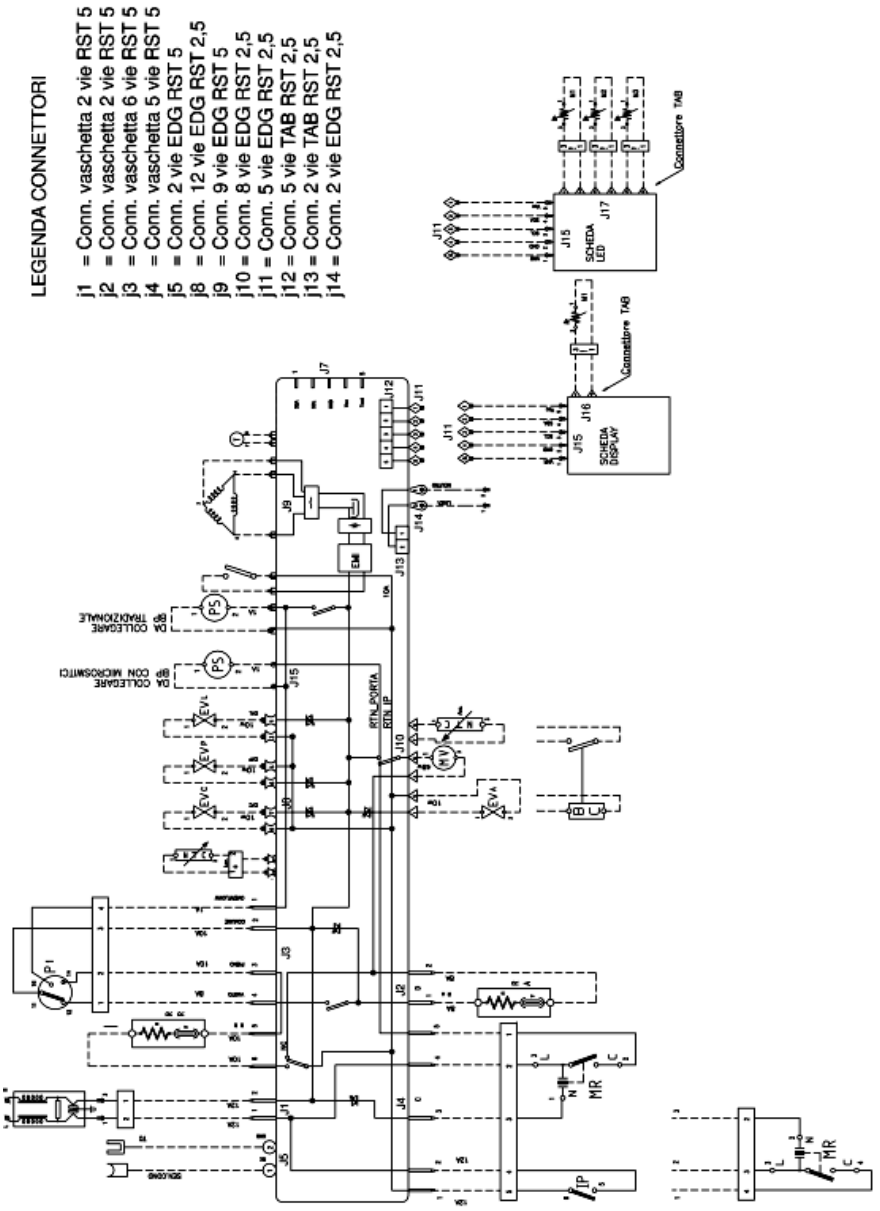
Legend: 16001744400

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



MODULO EVO II TRIFASE 215007597.00

Legend

Legend: 21500759700