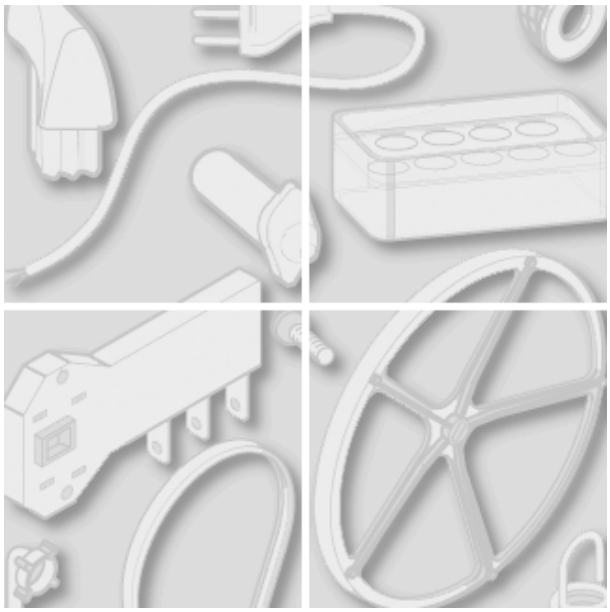


Model type:
ATD104EX

Commercial code:
F027636

# General notes

## Technical Documentation guidelines

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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:

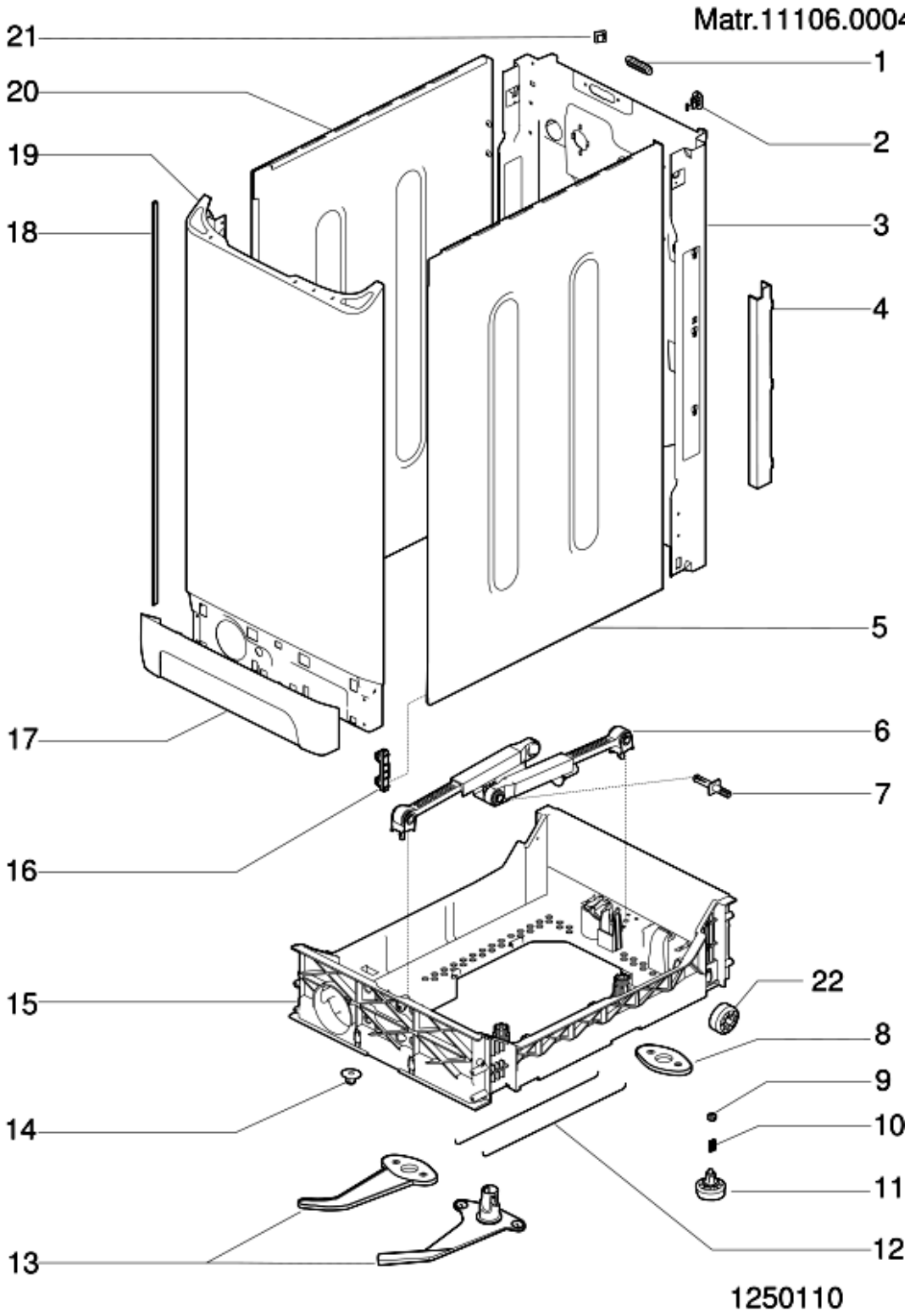
REF: reference no of spare into a table; SUBSTITUTE: list of spare(s) which can replace a code but that keeps same functional characteristics

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

1250110 Exploded views



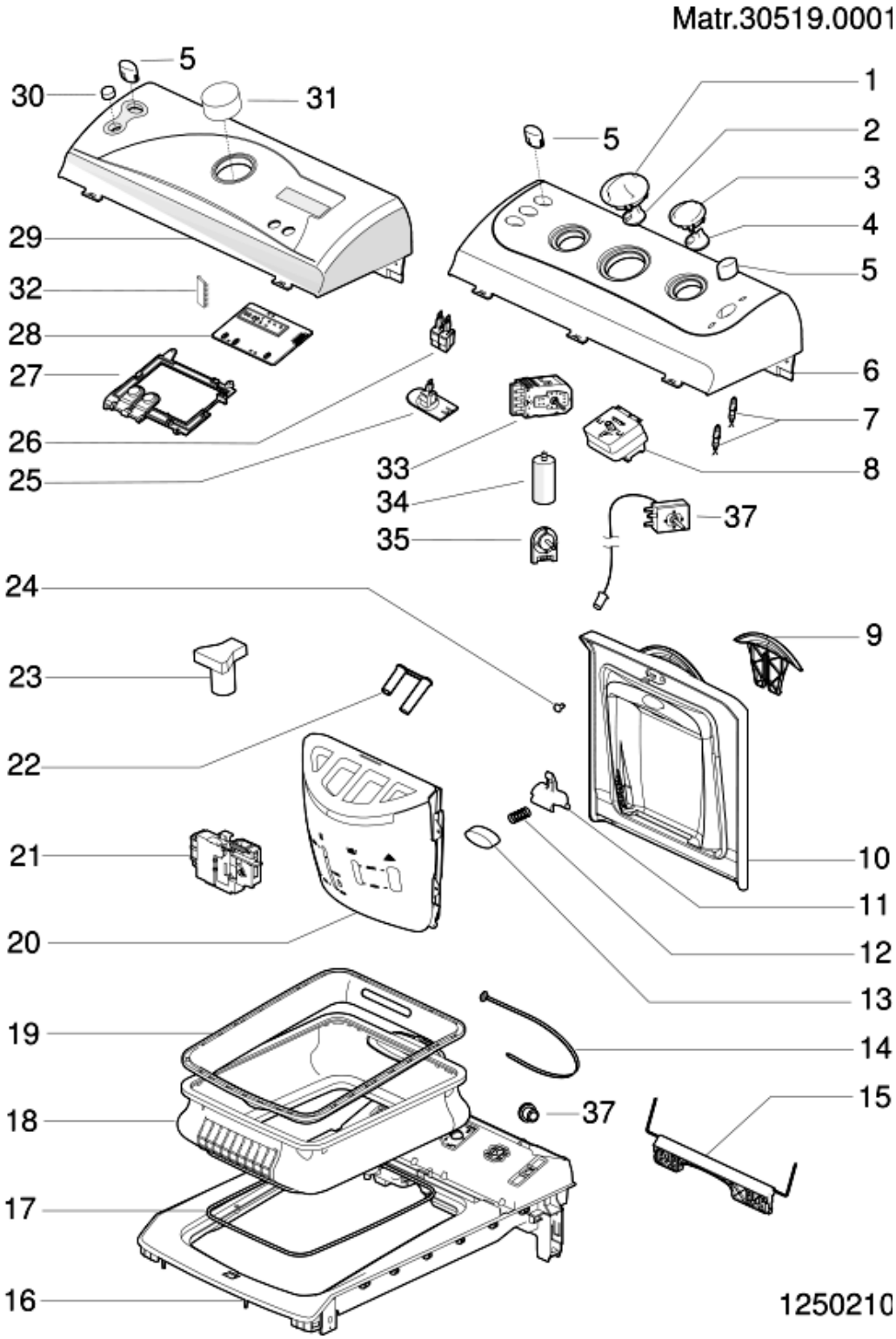
1250110 Spare parts list

| Ref. | Code | From | To S/N | Substitute | Description | Notice | Industrial |
|---|---|---|---|---|---|---|---|
| 000 | C00088296 | | | | user instructions booklet gb-f-d-it | | |
| 000 | C00088297 | | | | user instructions booklet se-fi-no- | | |
| 000 | C00088298 | | | | user instructions booklet rus-hu-cs | | |
| 001 | C00083909 | | | | blanking plate-rear(test plug) tl | | |
| 002 | C00064205 | | | | cord lead | | |
| 003 | C00083784 | | | | brezil back top ph2001 | n1040278 | |
| 003 | C00091893 | | | | brezil back top ph2002 | n1040288 | |
| 003 | C00094067 | | | 2 x C00097841 | brezil back top ph2003 | n1040309 | |
| | | | | 1 x C00098566 | | | |
| 003 | C00098566 | | | 1 x C00112602 | brezil back top | n1040309 | |
| | | | | 1 x C00112632 | | n1040336 | |
| 003 | C00112632 | | 00930... | 1 x C00281816 | back panel tl evoii | n1040336 | |
| | | | | 1 x C00281831 | | | |
| 003 | C00281816 | 01001... | | | back panel tl new | | |
| 004 | C00083901 | | | | wire protection | | |
| 005 | C00083774 | | | 1 x C00084913 | side panel right top ph2001 | | |
| | | | | 1 x C00117342 | | | |
| 006 | C00083787 | | | 1 x C00196002 | shock absorber 120n top ph2001 | | |
| 007 | C00055037 | | | | plastic expansion rivet | n1040414 | |
| 007 | C00118593 | | | 1 x C00280757 | plastic expansion peg | | |
| 008 | C00083792 | | | | cam truck tl ph2001 | | |
| 009 | C00083788 | | | | nut foot | | |
| 010 | C00059869 | | | | spring for foot d =11 mm h = 21 | | |
| 011 | C00083789 | | | | foot top ph2001 m8 h= 29 mm | | |
| 012 | C00083791 | | | | rod truck tl ph2001 | | |
| 013 | C00083793 | | | | cam lever+truck | | |
| 014 | C00083786 | | | | nut ro-mob m6 d.28 1.5 top | | |
| 015 | C00083785 | | | 1 x C00093539 | moving support top ph2001 | | |
| 016 | C00083780 | | | | block side panel cabinet | | |
| 017 | C00087059 | | | | base ph2001 atd | | |
| 018 | C00065071 | | | | side panel trim (90701) | | |
| 019 | C00085462 | | | 1 x C00117345 | front panel top ph2001 | | |
| 020 | C00083776 | | | 1 x C00084913 | side panel left top ph2001 | | |
| | | | | 1 x C00117342 | | | |
| 021 | C00041575 | | | | adhesive hook | | |

1250110 Spare parts list

| Ref. | Code | From | To S/N | Substitute | Description | Notice | Industrial |
|---|---|---|---|---|---|---|---|
| 022 | C00091071 | | | | rear wheel | n1040271 | |

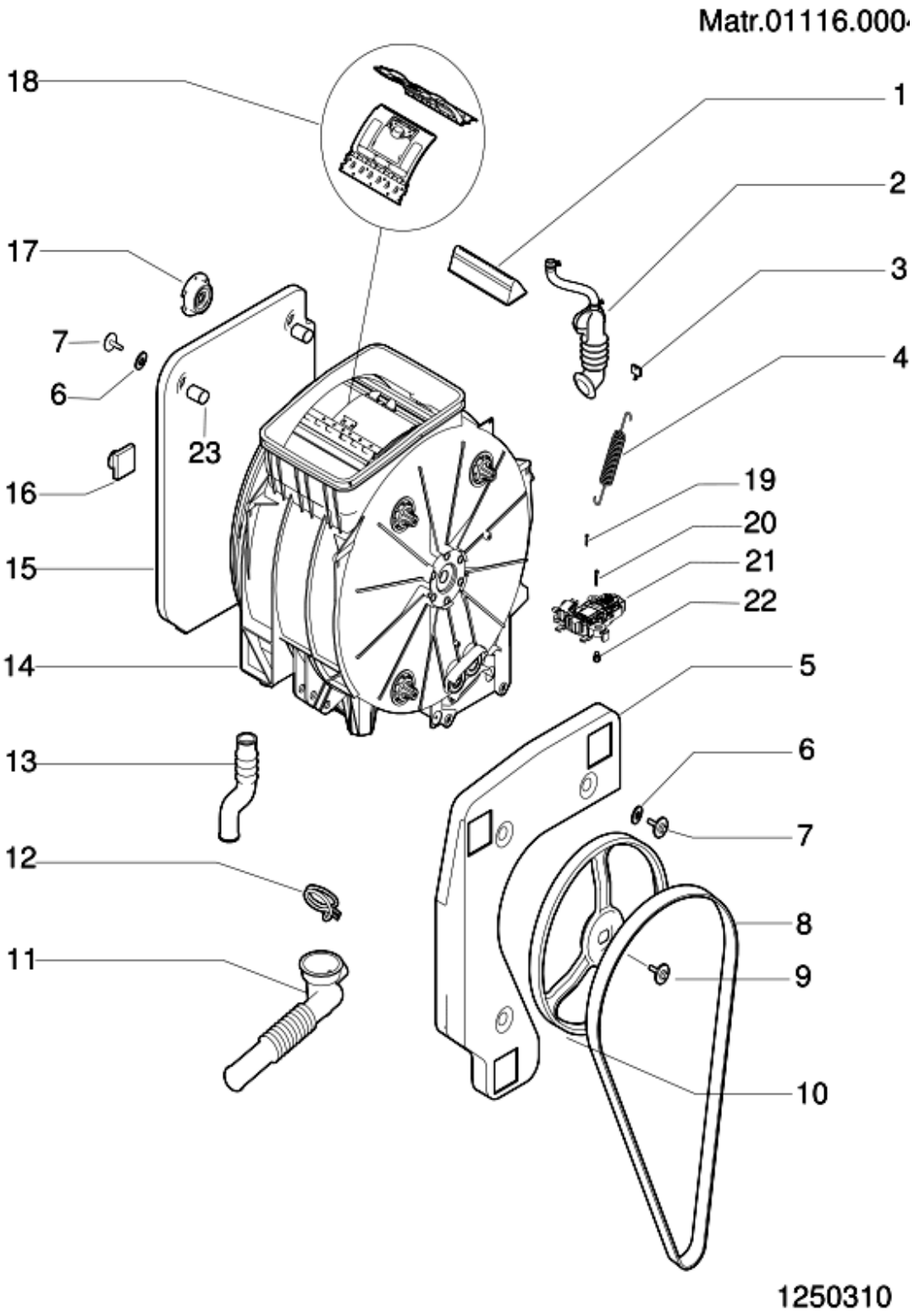
1250210 Exploded views



1250210 Spare parts list

| Ref. | Code | From | To S/N | Substitute | Description | Notice | Industrial |
|---|---|---|---|---|---|---|---|
| 004 | C00083804 | | | | support knob tl ph2001 | | |
| 005 | C00087066 | | | | push-button on/off | | |
| 009 | C00087070 | | | | handle cover ariston tl2001 | | |
| 010 | C00087069 | | | 1 x C00085608 | cover ariston tl2001 | | |
| 011 | C00083918 | | | | blocking stem dispenser | | |
| 012 | C00083922 | | | | spring dispensertl ph2001 | | |
| 013 | C00084983 | | | 1 x C00116868 | push-button dispenser white27 ph | | |
| 014 | C00031331 | | | 1 x C00033210 | clamp | | |
| 015 | C00087073 | | | | spring support | | |
| 016 | C00087074 | | | | lower cover tl ariston 2001 | | |
| 017 | C00057933 | | | | bellows clamp (tank front) | | |
| 018 | C00085611 | | | 1 x C00111495 | faltenbalg / manschette | n1040330 | |
| 019 | C00083924 | | | 1 x C00116866 | white27 protection diaphragm tl | | |
| 020 | C00084343 | | | 1 x C00116869 | dispenser white27 tl ph2001 | | |
| 021 | C00085610 | | | | door interlock | n1040332 | |
| 021 | C00111494 | | | | door interlock tl evoii | n1040332 | |
| 022 | C00084359 | | | | cover siphon tl ph2001 | | |
| 024 | C00083893 | | | | screw4x12 tc-t15 tl ph2001 | | |
| 025 | C00087067 | | | 1 x C00143095 | programme select bitron 16 | | |
| 026 | C00063971 | | | | on-off switch | | |
| 026 | C00076577 | | | | push button switch na start/reset | | |
| 027 | C00087061 | | | | frame display | | |
| 028 | C00087062 | | | 1 x C00090832 | display lcd ewm20 sw1.72 (less | | |
| 029 | C00088299 | | | | dashboard atd104ex ariston | | |
| 030 | C00087064 | | | | push-button start | | |
| 031 | C00087063 | | | | knob tl2001 ariston | | |
| 032 | C00088295 | | | | eeprom display atd104ex | | |
| 034 | C00082331 | | | 1 x C00064559 | radio interference suppressor | | |

1250310 Exploded views



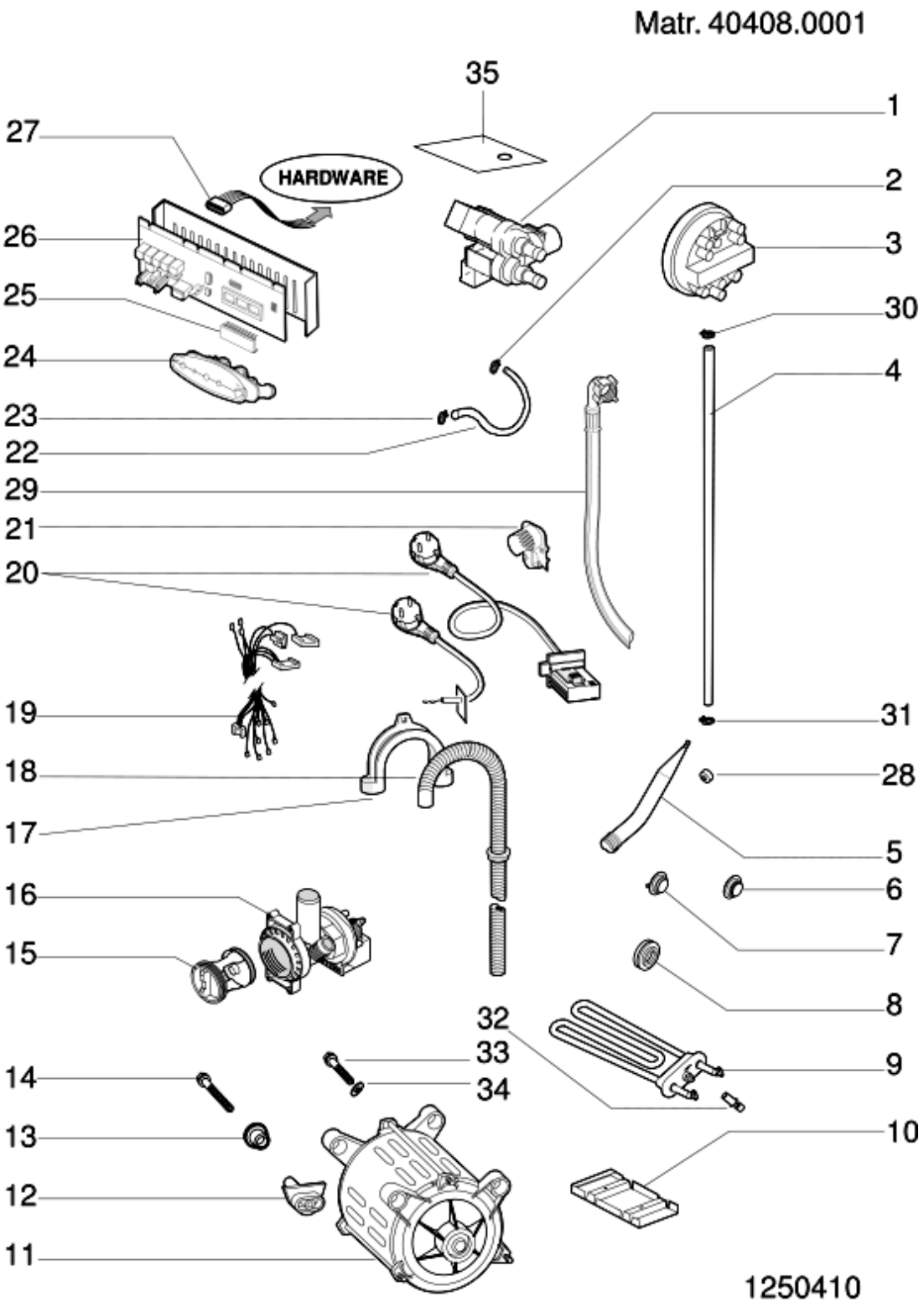
1250310 Spare parts list

| Ref. | Code | From | To S/N | Substitute | Description | Notice | Industrial |
|---|---|---|---|---|---|---|---|
| 001 | C00051504 | | | | lifter | | |
| 001 | C00083894 | | | | lifter with weight | | |
| 002 | C00085471 | | | | steam exhaust hose ass. | n1040336 | |
| 002 | C00112602 | | 00930... | | steam exhaust hose tl evoii | n1040336 | |
| 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 | | |
| 005 | C00083794 | | | | counterweight dx tl ph2001 | | |
| 006 | C00041605 | | | | conic washer | | |
| 007 | C00083797 | | | | screw sw. 8x27 tc-t30 | | |
| 008 | C00083910 | | | | belt pvel 1213h8 tl ph2001 | | |
| 009 | C00065076 | | | 1 x C00064786 | torx bolt - drum pulley fixing | | |
| | | | | 1 x C00143260 | | | |
| 010 | C00083912 | | | 1 x C00142832 | drum pulley d280 p21,2 tl | | |
| 011 | C00083898 | | | | tub-filter hose | n1040332 | |
| 011 | C00111502 | | | | hose tank to filter oko tl evoii | n1040332 | |
| 012 | C00074054 | | | | binding | | |
| 013 | C00055328 | | | | detergent recovery hose | n1040332 | |
| 014 | C00083805 | | | 1 x C00110148 | plastic tank 'tl 600/1000' | n1040324 | |
| | | | | 1 x C00110152 | | | |
| 014 | C00110152 | | | 1 x C00111409 | plastic tank 600/1000 tl2004 | n1040324 | |
| | | | | 1 x C00111505 | | n1040332 | |
| | | | | | | n1040340 | |
| 014 | C00111505 | | 00930... | 1 x C00281816 | plastic tank 600/1000 tl evoii## | n1040332 | |
| | | | | 1 x C00281835 | | n4009a02 | |
| | | | | 1 x C00282093 | | | |
| 014 | C00282093 | 01001... | | | plastic tank 600/1000 tl ## | | |
| 015 | C00083896 | | | 1 x C00195213 | counterweight sx tl ph2001 | | |
| 016 | C00055303 | | | | insulation panel | | |
| 017 | C00087966 | | | | support | | |
| 018 | C00080691 | | | | kit boltz and nutz tl | n1040245 | |
| 018 | C00083895 | | | | load orifice 'top loading' | n1040245 | |
| | | | | | | n1040344 | |
| 018 | C00112743 | | | 1 x C00252375 | load orifice soft 'tl evoii' | n1040245 | |

1250310 Spare parts list

| Ref. | Code | From | To S/N | Substitute | Description | Notice | Industrial |
|---|---|---|---|---|---|---|---|
| 019 | C00087948 | | | | screw 6x12 tc-t30 | | |
| 020 | C00055316 | | | | screw | | |
| 021 | C00087950 | | | 1 x C00118932 | blocking drum | | |
| 022 | C00087947 | | | | rubber bush | | |
| 099 | C00064550 | | | | drain hose holder | | |
| 099 | C00065871 | | | | blanking plug | | |
| 099 | C00081629 | | | | desc_ric_c00081629 | | |
| 099 | C00085574 | | | | kit package | n1040278 | |
| 099 | C00091902 | | | | kit package tl ph2002 | | |

1250410 Exploded views



1250410 Spare parts list

| Ref. | Code | From | To S/N | Substitute | Description | Notice | Industrial |
|---|---|---|---|---|---|---|---|
| 001 | C00083940 | | | | electrovalve 2 way 1e-2u elbi | n1040301 | |
| | | | | | | n1040309 | |
| 001 | C00096350 | | | 1 x C00116159 | electrovalve 1e2u p.2.5 | n1040301 | |
| | | | | | | n1040309 | |
| | | | | | | n1040321 | |
| 002 | C00061959 | | | | binding | | |
| 003 | C00083903 | | | | pressure switch 1+1 liv. tl ph2001 | n1040332 | |
| 003 | C00111493 | | | | pressure switch 1+1 liv. tl evoii | n1040332 | |
| 004 | C00083897 | | | | pipe pressostat tl ph2001 | | |
| 005 | C00051555 | | | | air trap | n1040332 | |
| 005 | C00092173 | | | | air trap x oko | n1040332 | |
| 007 | C00083915 | | | | thermistor ntc | | |
| 009 | C00083906 | | | | heater 1750w-230v tl ph2001 | n1040324 | |
| 009 | C00110148 | | | | heater 1700w-230v tl | n1040324 | |
| 010 | C00055322 | | | | deflector | n1040324 | |
| 011 | C00098677 | | | | motor collet.ceset p30 tl | | |
| 011 | C00116645 | | | 1 x C00196549 | brush motor ceset 6170 95490 | | |
| 012 | C00083911 | | | | fixing nut | | |
| 013 | C00083914 | | | | motor rubber bush | | |
| 014 | C00084333 | | | 1 x C00268497 | screw m8x35 tc-t30 | | |
| 015 | C00045027 | | | | pump filter kit | | |
| 016 | C00083942 | | | | self cleaning pump | n1040332 | |
| 016 | C00111409 | | | 1 x C00141862 | self cleaning pump tl evoii | n1040332 | |
| 017 | C00036145 | | | 1 x C00019902 | plastic support for drain hose | | |
| 018 | C00051563 | | | | drain hose - to sink | | |
| 019 | C00087928 | | | | wiring | n1040288 | |
| | | | | | | n1040301 | |
| 019 | C00096451 | | | | wiring | n1040301 | |
| | | | | | | n1040332 | |
| 019 | C00111571 | | | | wiring | n1040332 | |
| 020 | C00083907 | | | | supply cable 3x1,0 l=1500 tl | n1040288 | |
| 020 | C00091633 | | | | supply cable 3x1 schuko | | |
| 021 | C00083944 | | | | grate steam exhaust hose | n1040336 | |
| 022 | C00083939 | | | 1 x C00093620 | tubing valve distributing | n1040309 | |
| 022 | C00087068 | | | 1 x C00093621 | tubing valve distributing | n1040309 | |

1250410 Spare parts list

| Ref. | Code | From | To S/N | Substitute | Description | Notice | Industrial |
|---|---|---|---|---|---|---|---|
| 022 | C00097841 | | | | hose fill valve l=145 | n1040309 | |
| 023 | C00054734 | | | | binding | | |
| 024 | C00083941 | | | | distribution assembly tl | | |
| 025 | C00088294 | | | | eeprom atd104ex software | | |
| 026 | C00084838 | | | 1 x C00093157 | universal module (less eeprom) | n1040237<br>n1040321 | |
| 027 | C00066292 | | | | insulated tweezers | | |
| 027 | C00084566 | | | 1 x C00095669 | housing seriale lb2000-pc top | | |
| 027 | C00084943 | | | 1 x C00099862 | serial cable lb2000 - pc | n1040211<br>n1040317 | |
| 028 | C00078221 | | | | tubetto spugn.40x5x30 | | |
| 029 | C00051556 | | | 1 x C00003070<br>1 x C00005572 | mains inlet hose hot | | |
| 030 | C00051541 | | | | binding | | |
| 031 | C00061958 | | | | binding d=32,7 | | |
| 035 | C00109798 | | | 1 x C00116161 | protection electrovalve tl | n1040321 | |

# Notices

## N1040346: Elimination of leakage between upper top and cover on TL.

---

This modification is applied only after having checked for the absence of distortion or breakage of the components that jointly ensure a watertight seal (cover, top, diaphragm, etc.).

The modification consists in raising the diaphragm to obtain greater interference between diaphragm and cover inner panel.

PROCEDURE:

Remove the nine screws located under the diaphragm, remove the plastic protection, and raise the diaphragm, positioning it inside the loading port.

After drying the supporting surface apply a strip of approximately 1.2 mm of adhesive expanded rubber, replacement P/N 066834 which has been previously prepared by cutting it in half lengthwise.

## n1040061: Trouble-shooting.

---

Intervention procedure on 2000 washing machines

1. Reading the error code

The fault on the appliance is signalled via:
1. the continuous rotation of the selector knob
2. the action, for the first 4', of the electrovalve and the drain pump
3. the door becomes unlocked
4. the led flashes:
the number of flashes indicates the fault code; the code should be read as follows:
· each fast flash (2/3 flashes of the led very close together) represents one code value
· the fault code is evaluated by counting the number of flashes occurring at 3/4" intervals from one another
· stop counting when the washing machine waits the equivalent of approximately 8/9" between flashes
· the procedure is repeated by the appliance cyclically

E.g.: F03



(FIGURE NT 00)

2. Autotest

Should the washing machine not be signalling an error, you can check it using a serial key and using a particular autotest cycle, which is to be activated as follows:
1. bring the washing machine to reset position (coloured ball) for at least 5" and wait until the led flashes on reset mode
2. insert the hardware key into the serial outlet
3. position the switch situated on the key in TEST position
4. wait for the door to lock and for the selector to start turning
5. position the switch situated on the key in PC position
the appliance will carry out the following cycle:
· selector moves on up to position 0 (12h if the appliance has a delay, programme 1 if it has no delay)
· loads the wash electrovalve for approx. 10"
· loads the pre-wash electrovalve for approx. 10"
· loads the wash electrovalve and pre-wash electrovalve at the same time until the pressure switch is on full
· heats up to 30° and moves the motor in both directions
· selector moves on for 9 notches
· drains and spins
· the selector knob stops on one of the reset positions
· STOP

The test cycle can be repeated as many times as you wish following the same procedures
The test cycle can be interrupted by positioning the selector knob on one of the reset positions.
3. Intervention in the event of a Fault

In the event of a fault, the procedure to go by is as follows:

F01: Triac Short circuit
Overhaul CNE

Replace Card

F02: Blocked Motor, Short-circuited/Open Tachometry
Overhaul CNE
Overhaul Motor connector
Control CNE Continuity/Motor Connector
Control Motor Windings
Control Tachometry Windings
Replace Card

F03: Open/Short-Circuited NTC Found
Overhaul CNA
Control NTC Wiring
Control CNA/NTC Wiring Continuity
Replace NTC
Replace Card

F04: Overflow and Pressure Switch Empty found at the same time (Pressure Switch stuck on Empty)
Overhaul CN1
Overhaul Pressure Switch Contacts
Control CN1/Pressure Switch Continuity
Replace Pressure Switch
Replace Card

F05: Blocked Pump or Pressure Switch stuck on Empty Found
Overhaul CNF (pump connector)
Overhaul Pump Connector
Control Pump Filter
Control Pump Windings
Change Pump
Replace Card

F06: Selector Error (a part no. cannot be found)
Overhaul CND (selector connector)
Overhaul Selector Connector
Control Selector/CND Continuity
Control Selector Motor
Replace Selector
Replace Card

F07: Resistance Relay Stuck
Overhaul CN1
Overhaul CN1
Overhaul Resistance Connection
Replace Card
Overhaul Resistance Connection
Replace Card

F08: Resistance Missing or Pressure Switch stuck on Full Found
Overhaul CN1
Overhaul Resistance Connection
Overhaul Pressure Switch Connection
Replace Resistance
Replace Pressure Switch
Replace Card

F09: Machine Setup Error Found

Control Microprocessor Version
Ask for EEPROM Spare Part indicating Microprocessor version

F10: Pressure Switch Empty and Full or neither Empty nor Full Pressure Switch Found
Overhaul CN1
Overhaul Pressure Switch Wiring
Control CN1/Pressure Switch Continuity
Replace Pressure Switch
Replace Card

F11: Pump Feedback Missing
Overhaul CN1
Overhaul CNF
Overhaul Pump Connector
Overhaul Pressure Switch Connector
Control Pump Windings
Replace Pump
Replace Card

F12 SPECIFIC FOR LVB2000 INDESIT EVOLUTION / DIALOGIC.
F12: Lack of Display card-Main Card Communication
1. Check the effectiveness of contacts on CNC Connector Card
2. Overhaul 8-way connector on Display card
3. Check continuity of CNC-CN 8 way connector
4. Replace Main Card
5. Replace Display Card

F13: NTC wiring harness disconnected from the dryer system
1. Check the efficiency of the terminals on the CNA connector board
2. Check NTC wiring harness
3. Check the wiring harness continuity of the CNA / NTC connectors
4. Replace NTC
5. Replace terminal board

F14: Dryer connector open or not connected
1. Check the efficiency of the terminals on the CNI connector board
2. Overhaul CN1
3. Overhaul connector connection
4. Replace the board.Merloni Elettrodomestici

F15: Dryer connector is always active
1. Check the efficiency of the terminals on the CNI connector board
2. Overhaul connector connection
3. Overhaul the pressure sensor connection
4. Replace the connector
5. Replace pressure sensor
6. Replace the board

F16: Non-functioning basket block
1. Go over connector card CNC
2. Go over connector basket block
3. Control Continuity of cabling CNC / basket block and basket block supply
4. Replace basket block
5. Replace card

N.B.From Fault F01 to fault F11

These are shown by LEDs in stand by/on in LVB2000 machines Ariston/Indesit.
From fault F01 to fault F12
These are shown in a display located on the instrument panel of LVB2000 ma-chines
Evolution Indesit.
From fault F01 to fault F15
Are those that are indicated according to the version via LED stand by/on or
display positioned on the Wash Dry machine Ariston/Indesit panel.

4. Replacing the card

Should you have to replace the card:
· retrieve the EEPROM from the old card
· reassemble the EEPROM onto the new replacement card (without EEPROM)

In the event, and only in this case:
· an F02 has been detected
· the above-mentioned checks have been carried out and no problems have been detected on the wiring or to the motor
· the card fitted onto the washing machine is a 12 or 20 version (the version is indicated by a label on the module-containing box with SW20 or SW12)

you should:
· fit on a new card (version 32 or above)
· fit on an updated EEPROM to request from the assistance service centre, stating the code (e.g. 80xxxxx0000 or 46xxxxx0000), the serial number and the washing machine model.

## n1040211: Serial cable to connect the hardware key with the PC.

---

To connect the hardware key: LB2000 with the personal computer,you must use
a serial cable, pin to pin 9 pin F/F, to garantee the availability, it was
decided to manage it as a spare part.

The SAT code of the cable (length 2m) is 084943.

## n1040237: BREMBATE TOP LOADER ELECTRONIC CARD

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On all the top loaders produced in the Brembate establishment that are concerned with the current notice, it is advisable to retrieve the box card that is found in the assisted machine, in the case of the substitution of the electronic card.
In the event that it is decided to substitute both the box + module, it is imperative to shear off the two small central sterns of the same box.

## 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.

## n1040245: Brembate washing machine basket doors re

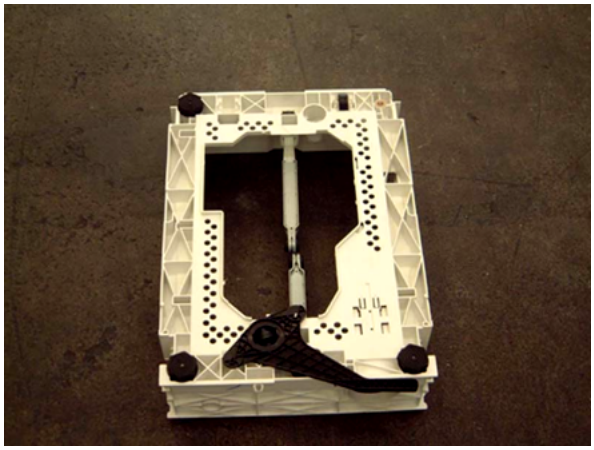
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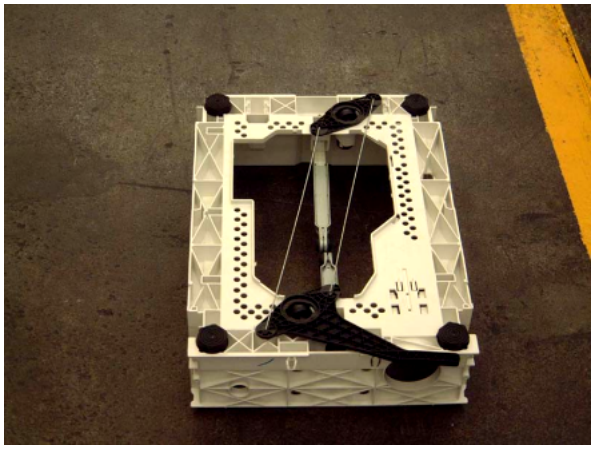
For all washing machine models produced in the Brembate factory and relevant to this note, in replacing the loading mouth code 083895/112743/252375 proceed as follows:
-remove the 18 rivets (9 on the right, 9 on the left) hooking the two doors to the loading mouth on the machine;
-take replacement part 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.

## n1040271: Introduction of wheel on Brembate TOP washing machines

---

The central rear wheel on top-load washing machines, relevant to this note, produced in the Brembate factory has been eliminated with introduction of the small wheel for movement.
This modification has introduced the rear wheel assembly Sat code 091071, eliminating the trolley bar Sat code 083791 and the trolley cam Sat code 083792 (Sat codes 083791 and 083792 will continue to be regularly managed by the replacement parts warehouse).
Three feet are now used instead of four.
The mobile support still remains Sat code 083785.
The new mechanism can also be fitted to premodification machines.
The image n1040271.1 shows the situation with the new mechanism, and image n1040271.2 the situation with the premodification mechanism.





## n1040278: New packing kit on Brembate TOP washing machines

---

From serial no. 21022.0001, a new packing kit Sat code 091902 (in place of Sat code 085574) and a new rear panel Sat code 091893 (in place of Sat code 083784) have been introduced on top-load washing machines produced in the Brembate factory. This modification has introduced the packing hole cover Sat code 065871 and the drain tube support code 064550.

## n1040288: Power supply cable + moulded filter on top-load Brembate WMs

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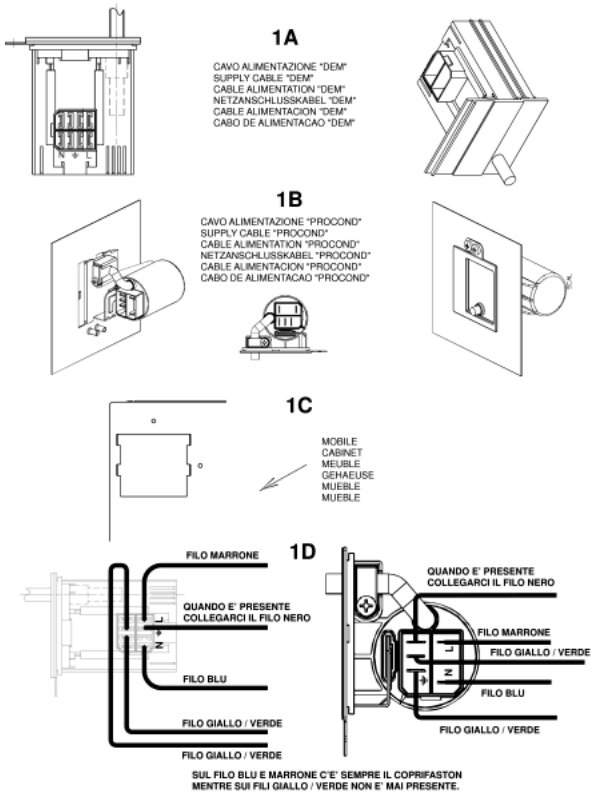
From serial number 30224.0001, all top-load washing machines produced in the Brembate factory have been equipped with a new power supply cable with moulded filter and new rear panels with a specific opening for fixing the new cable.

The new power supply cables are:
Sat code 091632 Power supply cable 3x1 schuko 1.5m+capacitance filter;
Sat code 091633 Power supply cable 3x1 schuko 1.5m+inductive filter;
Sat code 091641 Power supply cable l=2550mm ag +capacitance filter;
Sat code 091635 Power supply cable uk 3x1 l=1950mm+capacitance filter;
Sat code 091634 Power supply cable uk 3x1 l= 1950mm + inductive filter;
Sat code 091689 Power supply cable l=2550mm ag +inductive filter.

The new rear panels are:
Sat code 094067 - premodification Sat code 091893 (used for few months in place of code 083784, see N1040278);
Sat code 094068 - premodification Sat code 093623 (specific for the Hotpoint WMTL80UK model, commercial code 28749).

To use premodified wirings on modified products perform the connection to the terminal block of the new cable as shown in fig. 1 - 1D.
The wiring diagrams indicated in the Documentation remain the same.

FIG. 1




## n1040301: Modification of solenoid valves and wiring on Brembate TOP LOAD washing machines

---

From serial number 30609.0001, the top-load washing machines affected by this note have been equipped with the solenoid valve with coil rast 2.5 Sat code 096350 in place of 083940.
This modification does not affect model WMTL80UK commercial code 28749, which has been equipped with solenoid valves Sat code 096350 (1E2U) and 096349 (1E1U) in place of 083940 (1E2U) and 093546 (1E1U).

The wiring harnesses have been modified therefore both the premodification and new ones will be managed; the wiring diagrams are unchanged.
The Sat codes are given below:
Sat code new 096426 premodification 087487;
Sat code new 096427 premodification 087703;
Sat code new 096428 premodification 088098;
Sat code new 096429 premodification 088127;
Sat code new 096431 premodification 088292;
Sat code new 096432 premodification 090240;
Sat code new 096433 premodification 088027;
Sat code new 096434 premodification 091648;

Sat code new 096436 premodification 091651;
Sat code new 096437 premodification 091649;
Sat code new 096438 premodification 091652;
Sat code new 096440 premodification 091653;
Sat code new 096452 premodification 093540;
Sat code new 096441 premodification 090610;
Sat code new 096451 premodification 087928;
Sat code new 096444 premodification 091650;
Sat code new 096445 premodification 091654.

The models affected by this modification are:
26376 WT60FR
26867 WT62EX
26377 WT62TFR
26450 WT6IT
26454 WT5IT
26451 WT4IT
26894 WT52CSI
26865 WT40EX
26866 WT50EX
28672 WT124FR
28075 WT120EX
26868 WT82EXP
26379 WT82TFR
26452 WAT6IT
26453 WAT8IT
27872 W4608TLCSI
26899 WT100CSI
26869 WT102EXP
27728 WT102TFR
28670 WT92FR
28671 WT112FR
28314 WAT10IT
27873 W4610TLCSI
28669 WT80FR
26897 WT80CSI
26970 WT67EU
27143 AT82IT
28491 AT125FR
29395 AT110FR
27122 AT85FR
29388 AT95FR
29182 AT109FR
27142 AT62IT
28749 WMTL80UK
29393 ATD102FR
27148 ATD120EX
27125 ATD120FR
29394 ATD122FR
27636 ATD104EX
27145 ATD104IT
27144 ATD84IT
26898 WT90CSI
27635 AT84EX
28074 AT104EX
27726 AT84EO
27684 AT84AG

The wiring diagrams are unchanged.

## n1040309: Modification of rear panels on TOP LOADING washing machines.

---

From serial no. 30912.0001, the system used for fixing the loading solenoid valve (spare part code 096350) to the rear panel has been modified on Top Loading washing machines, rotating its position by 90°.
The solenoid valve (spare part code 096350) has been modified with the 45° rotation of a coil; the Replacements Warehouse will continue to manage this part with the same code. When replacing on premodification machines, fit the coils as shown in figure N1040309FIG3-1 and on modified machines, as shown in figure N1040309FIG3-2; to rotate the coil, lift it using a screwdriver and then refit according to the inserts on the plastic.

Replacement codes of the parts affected by this modification (see figure N1040309FIG1):

FIG1 A - PREMODIFICATION STRUCTURE
solenoid valve tube/distributor assembly: premodification 083939;
solenoid valve tube/distributor assembly: premodification 087068;
rear panel: premodification 094067.
FIG1 B - NEW STRUCTURE
solenoid valve tube/distributor assembly: new 097841;
solenoid valve tube/distributor assembly: new 097841;
rear panel: new 098566.

Replacement codes of the parts affected by the modification to WMTL80UK (see figure N1040309FIG2):

FIG2 A - PREMODIFICATION STRUCTURE
solenoid valve tube/distributor assembly: premodification 093620;
solenoid valve tube/distributor assembly: premodification 093621;
rear panel: premodification 094068.
FIG2 B - NEW STRUCTURE
solenoid valve tube/distributor assembly: new 097832;
solenoid valve tube/distributor assembly: new 097832;
rear panel: new 098567.

Premodification panels will be managed by the Replacements Warehouse while stocks last; when replacing with new ones on premodification appliances the new tubes must also also be used.
When using the new panels on appliances before serial no. 30609.0001, fitted with solenoid valve code 083940, rotate the coil 45° and follow the instructions given above for code 096350, paying attention during the wiring phase to keep the cables away from the bowl support spring.

N1040309FIG1

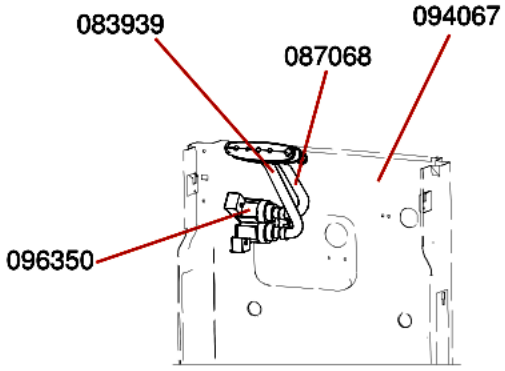



FIG1 A

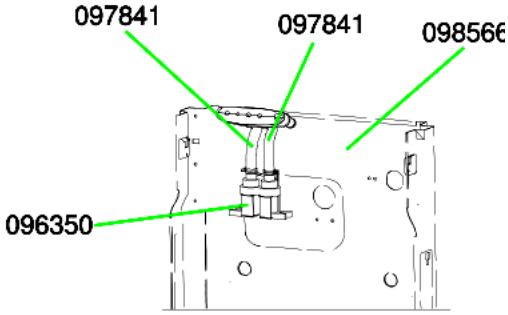



FIG1 B

N1040309FIG2

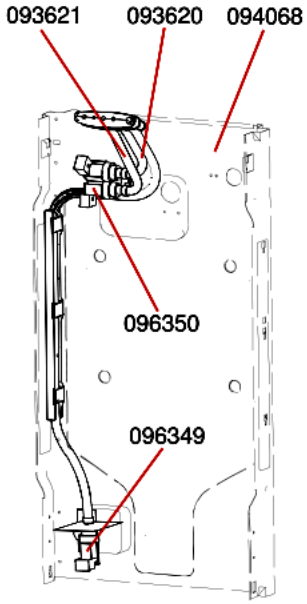



FIG2 A

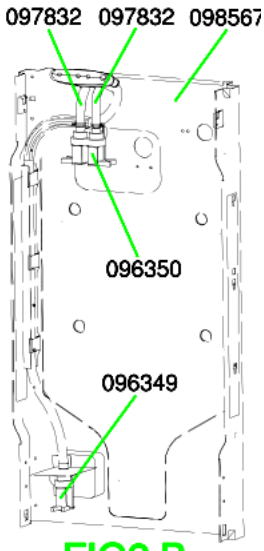



FIG2 B

n1040321: Plastic protecion for solenoid valve.

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All top-load washing machines produced from September 2003 to February 2004 (from serial no. 30900.0000 to 40300.0000)

N1040309FIG3

FIG3-1

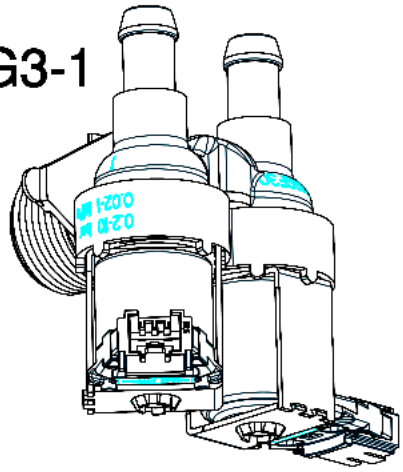
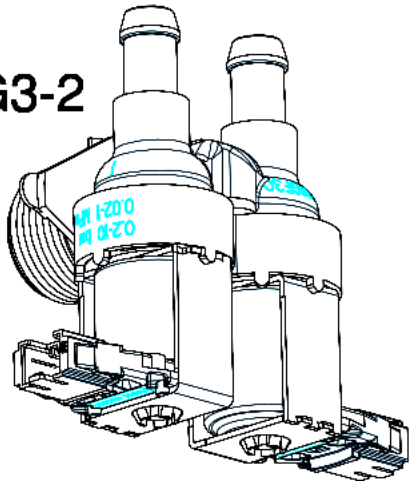
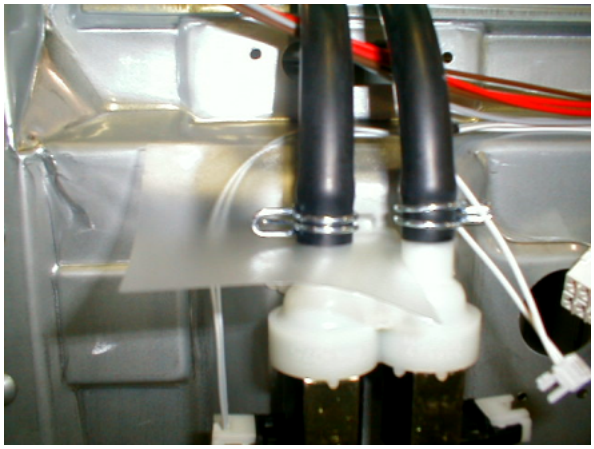


FIG3-2



have been equipped with a plastic protection Service code 109798 (shown in N1040321FIG1), to prevent water from damaging the solenoid valve and electronic card.



n1040324: Modification of heater fixing system on top-load washing machines.

---

From serial number 40506.0001, the fixing system of the heater to the tank has been modified on all top-load washing machines affected by this note, with the introduction of a metal retainer (image N1040322FIG1 reference NEW) in place of deflector Service code 055322.

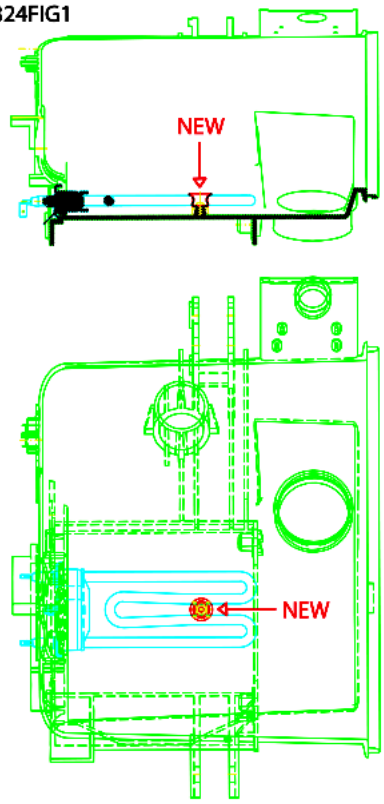
The modification has involved both heater and tanks. Given below are the Service codes of the new and old items concerned:

-PLASTIC TANK FOR 600-1000 RPM MACHINES: new 110152, premodification 083805;

-PLASTIC TANK FOR 1200 RPM MACHINES: new 110153, premodification 092023;

-HEATER: new 110148, premodification 083906.

N1040324FIG1




## n1040332: 'Evizzazione' of top-load washing machines produced in Brembate

---

From serial no. 40628.0001, the following items have been modified on all top-load washing machines affected by this note:

PLASTIC TANK
800/1000 rpm machines: premodification 110152 - new 111505
1200 rpm machines: premodification 110153 - new 111573

PUMP BOWL TUBE
premodification 083898 - new 111502 (OKO PUMP BOWL TUBE)

AIR TRAP
premodification 051555 - new 092173

MICRO DELAY DEVICE
premodification 085610 - new 111494

DRAIN PUMP
premodification 083942 - new 111409

PRESSURE SWITCH
premodification 087499 - new 111514
premodification 087704 - new 111516
premodification 083903 - new 111493

WIRING

ELIMINATION OF DETERGENT RECOVERY TUBE code 055328

The modification has involved the introduction of a new industrial code with final 30.
Given below is the list of affected models with related industrial codes and spare part codes of modified wirings:

WT60FR (91263760000 - 91263760030):
Wiring: premodification 096426 - new 111515
WT62TFR (91263770000 - 91263770030):
Wiring: premodification 096427 - new 111517
WT6IT (91264500000 - 91264500030):
Wiring: premodification 096428 - new 111523
WT4IT (91264510000 - 91264510030):
Wiring: premodification 096429 - new 111529
WAT6IT (91264520030 - 91264520000):
Wiring: premodification 096434 - new 111538
WAT8IT (91264530030 - 91264530000):
Wiring: premodification 096434 - new 111538
WT5IT (91264540030 - 91264540000):
Wiring: premodification 096428 - new 111523
WT40EX (91268650030 - 91268650000):
Wiring: premodification 096432 - new 111515
WT50EX (91268660130 - 91268660100):
Wiring: premodification 096433 - new 111529
WT62EX (91268670230 - 91268670200):
Wiring: premodification 096427 - new 111517
WT82EX (91268680130 - 91268680100):
Wiring: premodification 096434 - new 111538
WT102EX (91268690130 - 91268690100):
Wiring: premodification 096434 - new 111538
WT52CSI (91268940130 - 91268940100):
Wiring: premodification 096431 - new 111551
WT80CSI (91268970130 - 91268970100):
Wiring: premodification 096437 - new 111555
WT90CSI (91268980130 - 91268980100):
Wiring: premodification 096444 - new 111561
WT100CSI (91268990130 - 91268990100):
Wiring: premodification 096434 - new 111538
WT67EU (91269700030 - 91269700000):
Wiring: premodification 096437 - new 111555
AT62IT (91271420030 - 91271420000):
Wiring: premodification 096440 - new 111568
AT82IT (91271430030 - 91271430000):
Wiring: premodification 096438 - new 111569

ATD84IT (91271440030 - 91271440000):
Wiring: premodification 096451 - new 111571
ATD104IT (91271450030 - 91271450000):
Wiring: premodification 096451 - new 111571
ATD120EX (91271480130 - 91271480100):
Wiring: premodification 096451 - new 111571
AT50EX (91272040130 - 91272040100):
Wiring: premodification 088264 - new 111505
AT84EX (91276350130 - 91276350100):
Wiring: premodification 096445 - new 111580
ATD104EX (91276360130 - 91276360100):
Wiring: premodification 096451 - new 111571
AT64EX (91276740030 - 91276740000):
Wiring: premodification 088264 - new 111579
AT84AG (91276840030 - 91276840000):
Wiring: premodification 096445 - new 111580
AT84EO (91277260030 - 91277260000):
Wiring: premodification 096445 - new 111580
WT102TFR (91277280030 - 91277280000):
Wiring: premodification 096434 - new 111538
AT64EO (91277540030 - 91277540000):
Wiring: premodification 088264 - new 111579
AT50AG (91277630030 - 91277630000):
Wiring: premodification 088264 - new 111579
W46.08TLCSI (91278720030 - 91278720000):
Wiring: premodification 096434 - new 111538
W46.10TLCSI (91278730030 - 91278730000):
Wiring: premodification 096434 - new 111538
AT104EX (91280740030 - 91280740000):
Wiring: premodification 096445 - new 111580
WT120EX (91280750030 - 91280750000):
Wiring: premodification 096434 - new 111538
WAT10IT (91283140030 - 91283140000):
Wiring: premodification 096434 - new 111538
AT125FR (91284910030 - 91284910000):
Wiring: premodification 096438 - new 111569
WT80FR (91286690030 - 91286690000):
Wiring: premodification 096436 - new 112221
WT92FR (91286700030 - 91286700000):
Wiring: premodification 096434 - new 111538
WT112FR (91286710030 - 91286710000):
Wiring: premodification 096434 - new 111538
WT124FR (91286720030 - 91286720000):
Wiring: premodification 096434 - new 111538
WMTL80UK (91287490030 - 91287490000):
Wiring: premodification 096542 - new 112231
AT109FR (91291820030 - 91291820000):
Wiring: premodification 096438 - new 111569
AT95FR (91293880030 - 91293880000):
Wiring: premodification 096438 - new 111569
ATD102FR (91293930030 - 91293930000):
Wiring: premodification 096441 - new 112235
ATD122FR (91293940030 - 91293940000):
Wiring: premodification 096451 - new 111571
AT110FR (91293950030 - 91293950000):
Wiring: premodification 096438 - new 111569
WT100FR (91305060030 - 91305060000):

Wiring: premodification 096436 - new 112221
WT118FR (91305080030 - 91305080000):
Wiring: premodification 096434 - new 111538
AT8EIT (91306100030 - 91306100000):
Wiring: premodification 096438 - new 111569
WT119FR (91319910030 - 91319910000):
Wiring: premodification 096434 - new 111538

## n1040336: Elimination of vent from rear panel of top-load washing machines.

---

From serial no. 40825.0001, the vent tube has been modified with the elimination of the vent from the rear panel of all top-load washing machines affected by this note (see photo N1040336FIG1).

Given below are the codes of the modified items:

- Vent tube: premodification 085471 new 112602;
- Rear panel: premodification 098566 new 112632;
- Vent grid code 083944 has been eliminated.

N1040336FIG1




## n1040340: TUB ASSEMBLY 111505 - 111573 (EVO II) ON EVOI TOP LOADING APPLIANCES

---

Given below are the instructions to install the new EVOII Top Loading tubs (codes 111505 and 111573) on EVOI Top Loading washing machines produced before serial no. 40628.0001 (see note n1040332).

Please note that:

the EVOI Top Loading range tubs (spare part codes 110152-110153) are no longer managed as spare parts and have been replaced as follows:

if you order code 110152 (EVOI T.L. 600-1000 RPM TUB) you will receive in its place:
- 111505: EVOII T.L. 600-1000 RPM TUB
- 111409: EVOII T.L. DRAIN  PUMP

if you order code 110153 (EVOI T.L. 1200 RPM TUB) you will receive in its place:
- 111573: EVOII T.L. 1200 RPM TUB-BASKET ASSEMBLY
- 111409: EVOII T.L. DRAIN PUMP

Proceed as follows:

1) Replace the EVOI DRAIN PUMP with the new EVOII DRAIN PUMP - 111409;

2) Eliminate the DETERGENT RECOVERY TUBE (the new tub and new pump are not provided with the corresponding hole);

3) Do not remove the VENT TUBE that is on the appliance (the one on the new EVOII tub-basket assembly is no longer provided with the vent on the rear panel).

Given below are the models affected:
26376 - WT60FR
26377 - WT62TFR
26450 - WT6IT
26451 - WT4IT
26452 - WAT6IT
26453 - WAT8IT
26454 - WT5IT
26865 - WT40EX
26866 - WT50EX
26867 - WT62EX
26868 - WT82EX
26869 - WT102EX
26894 - WT52CSI
26897 - WT80CSI
26898 - WT90CSI
26899 - WT100CSI
26970 - WT67EU
27142 - AT62IT
27143 - AT82IT
27144 - ATD84IT
27145 - ATD104IT
27148 - ATD120EX
27204 - AT50EX
27635 - AT84EX
27636 - ATD104EX
27674 - AT64EX
27684 - AT84AG
27726 - AT84EO
27728 - WT102TFR
27754 - AT64EO

27763 - AT50AG
27872 - W46.08TLCSI
27873 - W46.10TLCSI
28074 - AT104EX
28075 - WT120EX
28314 - WAT10IT
28491 - AT125FR
28669 - WT80FR
28670 - WT92FR
28671 - WT112FR
28672 - WT124FR
28749 - WMTL80UK
29182 - AT109FR
29388 - AT95FR
29393 - ATD102FR
29394 - ATD122FR
29395 - AT110FR
30506 - WT100FR
30508 - WT118FR
30610 - AT8EIT
31991 - WT119FR

## n1040344: Modification of loading port on Top Loading washing machines.

---

The loading port with replacement P/N 112743 has been installed on the models affected by the current bulletin from serial number 41119.0001; the new port is not interchangeable with premodification P/N 083895.

The commercial code and the code of affected models are given below.

26376WT60FR
26377WT62TFR
26451WT4IT
26452WAT6IT
26453WAT8IT
26454WT5IT
26865WT40EX
26866WT50EX
26867WT62EX
26868WT82EX
26869WT102EX
26894WT52CSI
26897WT80CSI
26898WT90CSI
26899WT100CSI
26970WT67EU
27145ATD104IT
27636ATD104EX
27728WT102TFR
27763AT50AG
27872W46.08TLCSI

28074AT104EX
28314WAT10IT
28670WT92FR
28749WMTL80UK
30506WT100FR
30610AT8EIT
33194AVTL62EU
33195AVTL82EU
33196AVTL83EU
33198AVTL104EU
33686AVTL60AG
33738AVTL60EO
33739AVTL84EO
33807AVTL62IT
33915WITL85FR
33916WITL88FR
33917WITL90FR
33918WITL100FR
33969AVTL108FR
34265WITP82EU
34266WITP102EU
34267WITL105EU
34269WITE87EU
34280WITL85EU

## 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.

## n4009a02: Motor fixing changed on Top Loading washing machines

---

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:

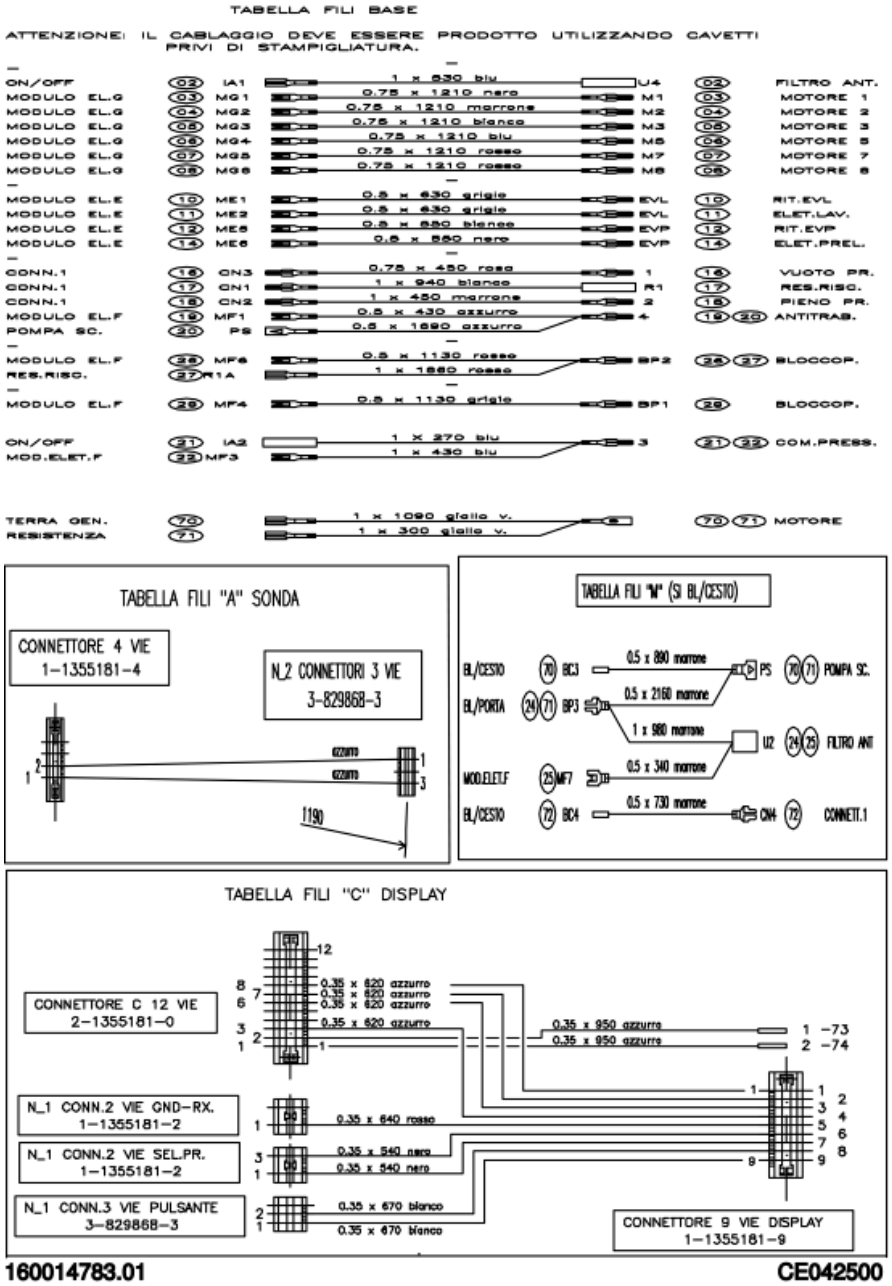
s/n 80818.0001 - all models 1400 rpm Collector and Triphase motor

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. ce042500



# Legend

Legend: ce042500

| | | | |
|---|---|---|---|
| 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. lg049500



# Legend

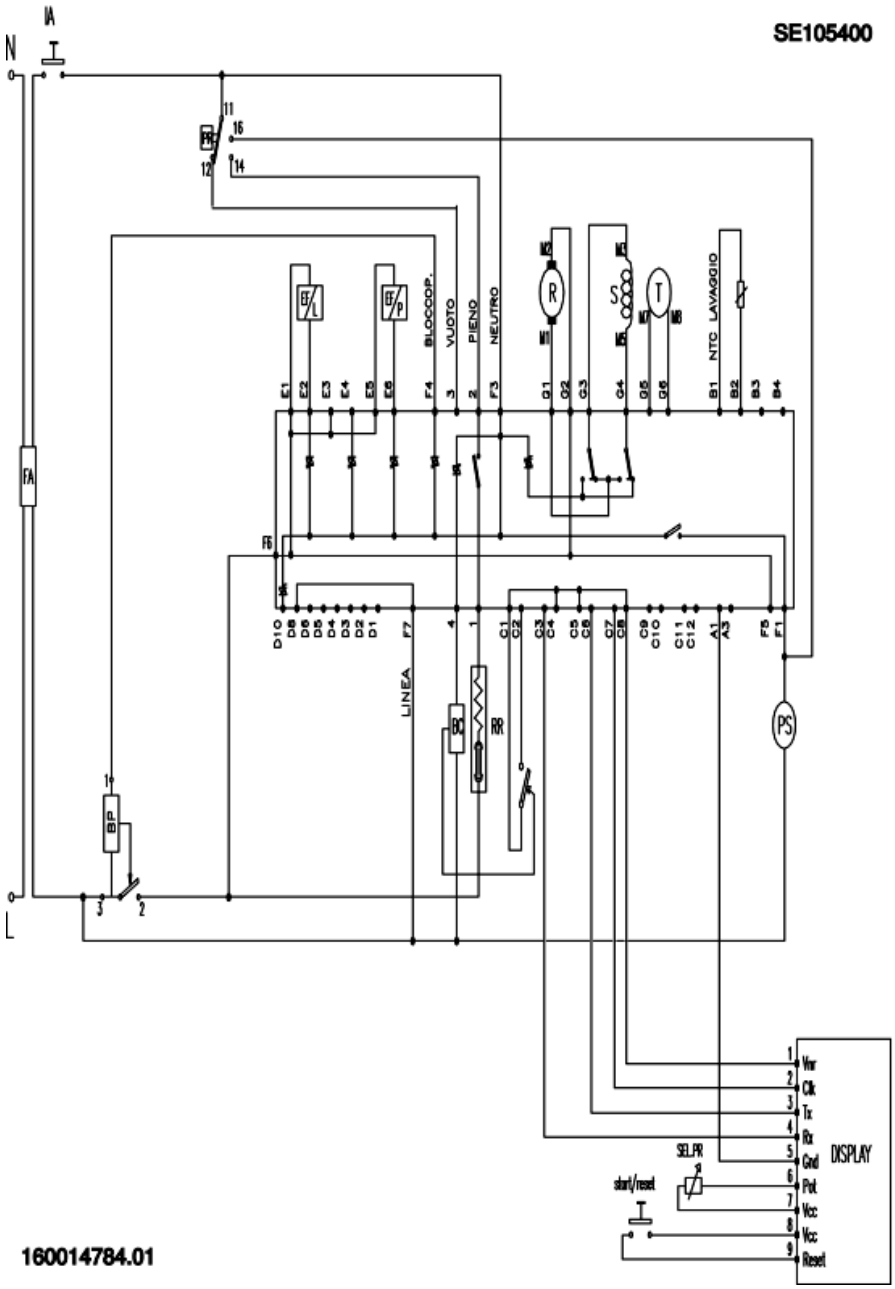
Legend: lg049500

| | | | |
|---|---|---|---|
| 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. se105400



# Legend

Legend: se105400

| | | | |
|---|---|---|---|
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| B | Buzzer | N | Neutral or Terminal Board |
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| EF/L | Electro-Valve Cold Water / Wash | PM | Motor Thermoprotector |
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| 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 |
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