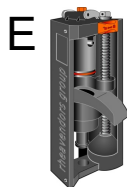


rhTT3.pro



SERVICE BOOK

**preliminary
safety
information**

before using the machine, carefully read this information that helps you behave properly and guarantees a safe use;
the following pages use the symbols listed here below, whose meaning is of attention:

**GENERAL;**

if the text is highlighted by this symbol, it is recommended to pay special attention to the performance of the procedures described; if not carefully performed on safe conditions, they can be source of general danger;

**HIGH VOLTAGE;**

if not properly performed, the actions marked by this symbol may expose to accidental contacts with electric voltage;

**DANGEROUS TEMPERATURE;**

if not properly performed, the actions marked by this symbol may expose to accidental contacts with high-temperature parts;

**MOVING PARTS;**

if not properly performed, the actions marked by this symbol may expose to accidental contacts with moving parts;

**CRUSHING;**

if not properly carried out, the actions marked by this symbol may expose to a risk of crushing;

the same symbols are placed inside the vending machine to indicate the parts on which to act with the utmost caution;

**SERVICE KEY IN USE;**

the symbol recommends the utmost attention during the actions described; the use of the service key intended to activate all machine functions when the door is open is only reserved to the technical operators who know the operation of the vending machine, who are aware of potential risks and who make sure they are operating on totally safe conditions;

the use of the service key shall be strictly limited to the time necessary to perform the actions requiring the use thereof; users shall be informed of the prohibition on using and approaching the vending machine;

**WEIGHT:**

the symbol reminds the user to consider the machine weight carefully for handling and placing it definitively.

**WATER SUPPLY;**

it marks the parts duly requiring caution in case of leakage, if connected with the hydraulic network;

**SUPPORT SURFACE;**

it reminds the user to install the machine on a support surface, the max. inclination of which is 2°;

safety rules for using the vending machine

- *** pay special attention to the chapters and notes highlighted by the symbols of alert; strictly observe the rules concerning, in particular, the operators' and users' safety;
- *** the vending machine may be used by children who are at least 8 years old and by people having reduced physical, sensory or mental capacities or not having all necessary experience and knowledge, provided that they are under supervision or after they have received all necessary instructions for using the machine on safe conditions and for understanding the dangers related thereto; children must be supervised and prevented from playing with the vending machine;
cleaning and servicing shall not be carried out by children;
- *** if you should find out a water leak or the presence of smoke, immediately detach the vending machine from the electric and hydraulic network, never try to restore its operation and apply to skilled technicians;
- *** the machine shall be installed according to national rules; pay special attention to the rules about the machines directly connected with the hydraulic network;
- *** room (during storage and operation):
temperature: 5 °C ÷ 35 °C
relative humidity: max 80 %
- *** the inclination of the vending machine support surface shall not exceed 2°;
- *** if the hydraulic connection tube is not supplied with the machine or in case of replacement, the connection must be carried out only with:
 - new tube;
 - of type-approved material for food use;
 - compliant with "IEC 61770 Electric appliances connected to the water mains";
 - it can support the working pressure;
- *** the user is not allowed to access the maintaining and servicing area that shall be properly signalled;
- *** never remove protections, never override safety devices and never modify the machine or its components;
- *** tools necessary to act with this vending machine:
 - a pair of scissors for electricians, a Phillips PH2 cross screwdriver for 4/6 mm self-threading screws, a set of wrenches up to 13 mm, a set of Allen wrenches from 2 to 8 mm;
 - it may be of use to procure some expendables, such as disposable paper, single-use gloves, clean cloths, cups and a bucket for the collection of waste water;
- *** never wash the machine by using water jets; the vending machine is not suitable for installation in areas where it can be reached by water jets;
- *** for cleaning at regular intervals refer to Service Manual - chapter 12.;

safety rules for using the vending machine



the symbol means that it is forbidden to dispose of the equipment as urban waste and compulsory to provide for separate collection in order to prevent any potential effect on the environment and human health; strictly follow the provisions of the European Parliament's 2012/19/EU Directive;



residual risks

a residual risk is understood as a potential danger that can not be eliminated and it persists despite all precautions in use since it is related to the intrinsic features of the product and it also includes non-identifiable risks;

the actions and behaviours listed here below are intended to reduce residual risks and you shall always adopt them when interacting with the machine;



wear clothes that can properly avoid any accident (never wear rings, chains, clothes with laces or excessively long sleeves, ...);



carefully evaluate the treatment of residues from installation (wood, plastics, ...) and utilisation (product powder, bags, ...);



never repair or carry out any technical action if you have not been properly trained;



signal that a technical action is in progress on the machine (barriers against approach, signs, ...), carry it out quickly without leaving the station;



install the machine in a sheltered, illuminated, ventilated and noiseless environment; keep it clean and never place tools or any other object on it; never install it outdoors or, anyway, never expose it to atmospheric agents;



make sure it can be neither reached by water sprays or vapours nor hit by objects that might damage it;



carefully consider the machine weight and stability during the installation and in the final working position;



supply the machine within voltage, temperature, pressure and hydraulic limits, ... as it is detailed on the following pages and provide for an effective earthing;



even if detached from supply, the machine may contain hot pressurised water at a high temperature;



never detach hydraulic and electric supplies when they are active;

**general
guarantee
conditions**

these conditions regulate Rheavendors Industries S.p.A.'s obligations with reference to guarantee and repair; any other term or condition, either verbal or written, is not applicable, including those in the purchaser's purchase orders, if not explicitly accepted and signed by Rheavendors Industries S.p.A.; if the guarantee terms here below should be held not to be valid and/or lawful in the Country where the product is sold, they will not be effective whereas all the other clauses will remain valid and applicable;

- 1st the mechanical and electronic components of the machine are guaranteed for twelve months, starting from the sales date certified by the fiscal receipt;
- 2nd the guarantee shall be understood as the free replacement or repair of any part of the machine that – at the manufacturer's unquestionable discretion – should prove to be originally defective due to manufacturing defects; the cost of sending the manufacturer machines, defective pieces and spare parts will be totally charged to the user's account; the manufacturer reserves the right to use new or reconditioned components for repair; if replaced, original components will be guaranteed for 12 months; the parts replaced under guarantee will become the property of Rheavendors Services S.p.A. (request for "Form PO 19.01/2b" Materials under guarantee – Authorisation to return);
- 3rd in case of irreparable failure or if a failure of the same origin is repeated, the manufacturer may – at its unquestionable discretion – replace the machine with another one, the model of which is either the same or an equivalent one; the guarantee of the new machine will be extended up to the original term of guarantee of the replaced machine;
- 4th all the parts that should prove to be defective due to negligence or carelessness (non-observance of the instructions for the operation of the machine), incorrect installation or maintenance by unauthorised personnel, transport damage or any circumstance – anyway – not due to the manufacturing defects of the machine are not covered by guarantee; the installation and connection with supply plants as well as the maintenance operations mentioned by the installation manual are also excluded from any performance under guarantee; the guarantee will not cover payment systems either; whether installed on the machine or supplied as an accessory, they are subject to their manufacturer's guarantee whereas Rheavendors Industries S.p.A. will just act as a broker;
all changes made to the machine and not agreed with the manufacturer in writing will involve the immediate termination of the guarantee period and anyway fall under the Customer's total responsibility;
- 5th the guarantee is excluded in all cases of improper use of the machine;
- 6th Rheavendors Industries S.p.A. will disclaim all responsibility for any damage that may be directly or indirectly caused to people, animals or things as a result of:
improper use of the vending machine; incorrect installation; improper energy or water supply; serious maintenance deficiency; actions or changes not explicitly authorised; use of non original spare parts;
- 7th in case of failure, Rheavendors Industries S.p.A. is obliged neither to compensate any economic damage due a forced stop of the machine nor to extend the guarantee period;
if the machine should be transferred to a centre designated by the manufacturer for overhaul or repair, the relative transportation risks and costs will be charged to the user's account. The freight charges of machines, defective pieces and spare parts are always understood as charged to the user's account;

Preventive maintenance:

Preventive maintenance is performed periodically in order to reduce the incidence of equipment failure and the costs associated with it.

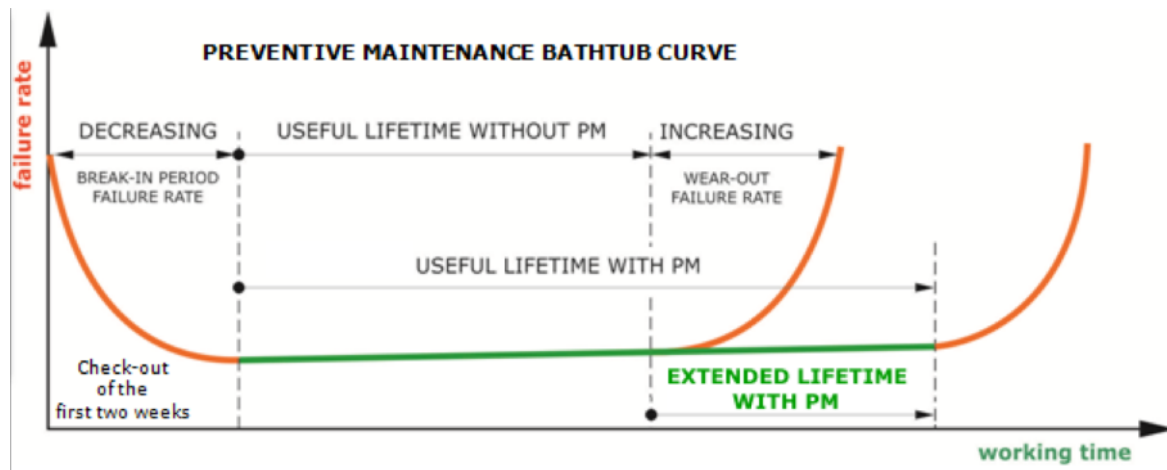
Ideally, preventive maintenance will take place just before failure occurs in order to maximize the time that equipment is in use between scheduled maintenance activities.

It is the preset check of the vending machines and all the replacements required to ensure the quality of products and to maintain the optimum performance of reliability of the vending machines series.

Scheduled PM (Preventive Maintenance) Program Overview:

the purpose of scheduled Preventive Maintenance is to avoid or reduce emergency service costs by implementing a standardized regular interval of Preventive Maintenance.

the bathtub curve is typically used as a visual model to illustrate the three key periods of product failure.



note: preventive maintenance increases the useful lifetime of the machine; the mean-time-to-failure (MTTF) or bathtub curve indicates that a new machine has higher probability of failure during the first two weeks of operations, usually caused by setting issues. Following this initial period, the probability of failure is low for an extended period of time.

After this normal machine life period, the probability of failure increases sharply with elapsed time of hours of operations. Preventive maintenance is based on replacing components after a certain length of time or amount of use to extend the operating life of machines.

The following pages summarize the scheduled preventive maintenance suggested for Rhea Machines; the level of PM performed will be determined by cycle count accumulations or months since the first installation.

Use only official Rheavendors spare parts

CLEANING. Cleaning of the machine is mandatory for a correct maintenance of the machine. It must be considered as an active part of the preventive maintenance.

Concept of “preventive maintenance”

The components and assembly parts included in the preventive maintenance kit for Rhea machines are conceived according to our experience and considering:

1. Use cases: the cycles required by Rheavendors refer to standard conditions of indoor use and can't be considered valid in case, for example, of use of the machines in particularly wet environments, hot or dusty location
2. Wear and tear of the components at distribution stage
3. Wear and tear of the components with time
4. Natural deterioration of materials due to the different work cycles (daily consumptions) inside the machines
5. Changes in the performances due to the raise of damaging elements for the components themselves, such as:
 - scale (water filter is recommended)
 - different consistency of the coffee beans
 - remains of coffee inside the grinders for a long inactivity time
 - cleaning of the machine
6. Sizing of the machines according to the number of consumptions per day
7. Observance of the easy cleaning procedure during each loading in the vending case
8. Observance of the deep cleaning and sanitization procedures of the machines, that allows to work under the existing sanitary-hygiene regulations.

Note that HACCP rules are not mentioned in this document. Please refer to the specific rules of your country.

In the light of the above, the preventive maintenance cycles are as follows:

- A. Every 10.000 consumptions: 10k, 20k, 30k, 40k, 50k, 60k, 70k, 80k, 90k, 100k, 110k, 120k, 130k, 140k, 150k, 160k, 170k, 180k and so on
- B. Every 30.000 consumptions: 30k, 60k, 90k, 120k, 150k, 180k and so on
- C. Every 60.000 consumptions: 60k, 120k, 180k, and so on
- D. Every 90.000 consumptions: 90k, 180k, and so on

Should any operational anomalies arise due to any events or circumstances not listed above, Rheavendors will be able to review and adjust the data according to such anomalies.

In case of machines with fewer consumptions, the preventive maintenance for some specific components MUST be done at least once a years. Refer to the following pages for more details.

Also, **long inactivity could create some troubles.** In that case it could be required to change the components that are effected by this problem (gaskets, silicon pipes, ...)

A deep cleaning of the machine will be also required, replacing the internal water and activating a sanitization process. This is required also to remove fouling and blocking due to lack of cleaning.

A cleaning of the grinder mills could be also required in order to remove residual of old coffee beans already grinded.

Boiler descaling and replacing

Descaling and replacing the boiler or its elements is not directly related to the number of dispensing cycles. **Also if the machine is not dispensing**, the heating element is continuously activated to keep the water warm.

Descaling is related to the **water hardness**, that's why use of specific **filter** is always recommended.

In the market are available several substances for boiler descaling. Due to this, **is not possible to provide a specific rule about the descaling and replacing frequency**.

Generally speaking, descaling could be required 1-2 times in a year.

Considering that descaling can reduce the life of the boiler, especially the heating element, we suggest to change the boiler after some descaling cycles. An average period for replacing can be defined in 3-5 years.

Grinder mills replacing

The amount of cycles for the PM that we suggest is considered with an average of 7 grams of coffee, coffee beans with standard hardness and standard granulometry setting. In case of different conditions, the frequency of the mills replacement can be different.

After the replacement a new pre grinding period must be considered.

The following tools are required:

- Philips screwdrivers short and long
- Open-end wrenches 8, 10, 12 and 13 mm
- Silicone grease (GRS0000004)
- Pliers

Service maintenance A**Service maintenance A routine:**

- .. Visually inspect brewing-unit, clean brewing chamber
- .. Exchange brewer parts and grease o-ring
- .. Exchange mixers parts
- .. Check beverage setting according to specifications or according to customer wish

Additional controls:

- .. Check eventually presence of scale on safety valve
- .. At least **once a year** replace the silicon pipes
- .. Exchange optional parts if required (fresh milk system or similar)
- .. Check optional settings

Service maintenance B

The maintenance B will be considered in addition to the maintenance A, when required.

Service maintenance B routine:

- .. Visually inspect brewing-unit, clean brewing chamber
- .. Exchange brewer parts and grease o-ring
- .. Exchange mixers parts
- .. Exchange grinder parts
- .. Exchange brewer PTFE pipe
- .. Check beverage setting according to specifications or according to customer wish

Additional controls:

- .. Check eventually presence of scale on safety valve
- .. At least **once a year** replace the silicon pipes
- .. Exchange optional parts if required (fresh milk system or similar)
- .. Check optional settings

Service maintenance C

The maintenance C will be considered in addition to the maintenance A and B, when required.

Service maintenance C routine:

- .. Visually inspect brewing-unit, clean brewing chamber
- .. Exchange brewer parts and grease o-ring
- .. Exchange mixers parts
- .. Exchange fans
- .. Exchange Varitherm parts (if installed)
- .. Check boiler parts (exchange if required)
- .. Check product container parts (exchange if required)
- .. Exchange brewer PTFE pipe
- .. Check beverage setting according to specifications or according to customer wish

Additional controls:

- .. Check eventually presence of scale on safety valve
- .. At least **once a year** replace the silicon pipes
- .. Exchange optional parts if required (fresh milk system or similar)
- .. Check optional settings

Service maintenance D

The maintenance D will be considered in addition to the maintenance A, B and C, when required.

Service maintenance D routine:

- .. Visually inspect brewing-unit, clean brewing chamber
- .. Exchange brewer parts and grease o-ring
- .. Exchange mixers parts
- .. Exchange fans
- .. Exchange hot water EV
- .. Exchange boiler parts (if required)
- .. Exchange grinder motor and specific parts
- .. Exchange brewer gearbox motor parts
- .. Exchange product container parts
- .. Exchange brewer PTFE pipe
- .. Check beverage setting according to specifications or according to customer wish

Additional controls:

- .. Check eventually presence of scale on safety valve
- .. At least **once a year** replace the silicon pipes
- .. Exchange optional parts if required (fresh milk system or similar)
- .. Check optional settings

Critical

It's recommended to have these parts in stock for service. In case of out of order or damage, these parts will increase the possibility to repair the machine, reducing the out of order time.

Legend

- Table: table title (grey background)
- Pos: position reference
- Code: part number
- Description: part description
- Critical: parts considered critical. These parts should be always in stock for service.
- Preventive maintenance:
 - A: first cycle of PM
 - B: second cycle of PM
 - C: third cycle of PM
 - D: forth cycle of PM
 - X = number of parts to be replaced during the PM. These numbers are calculated for each machine, considering the maximum configuration available. "xN" means that the number is variable, according to the machine configuration.
 - Y = parts to be replaced at least once a year
 - CK = check the part in order to verify if is required to clean it or replace it
 - § = assembly symbol.
- The single parts are in alternative to the recommended critical assembly components indicated with symbol §
- Recommended Spare Parts, considering the number of vending machines. Number of suggested part to have in stock for service. This number is not including the parts required for the preventive maintenance, but just for minimal stock.

The amount of parts required for the PM are calculated considering the maximum configuration of the machine model. Some detailed info about the machine configuration can be found in the machine code, following this conversion table:

Machine code structure: **D MMM T O VV I M CCC**

For example : D 230 6 6 A0 4 2 376

MMM = Machine model

T = Machine Type

- 0 = Espresso - 1 = Instant - 6 = Induction Espresso

O = Optionals:

- 0 = Standard - 5 = Unplumbed version - 6 = Plumbed version

VV = Version Index:

A0 = ... A1 = ... To be specified by Rheavendors technical office

I = N° instant canisters (not included the coffee beans canisters):

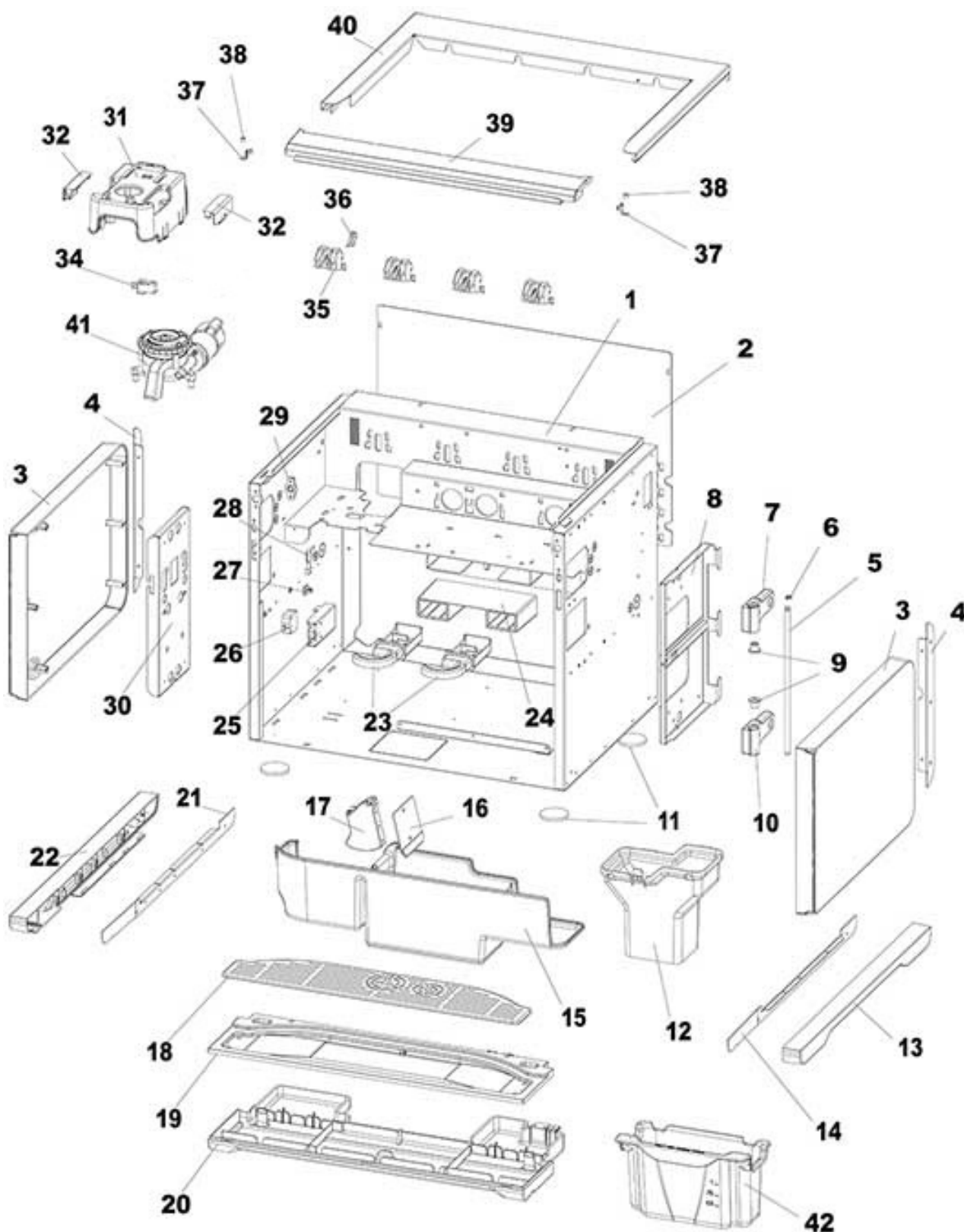
1 = 1 canister .. 6 = 6 canisters

M = N° mixing bowls / mixers

1 = 1 mixing bowl/mixer .. 3 = 3 mixing bowls/mixers

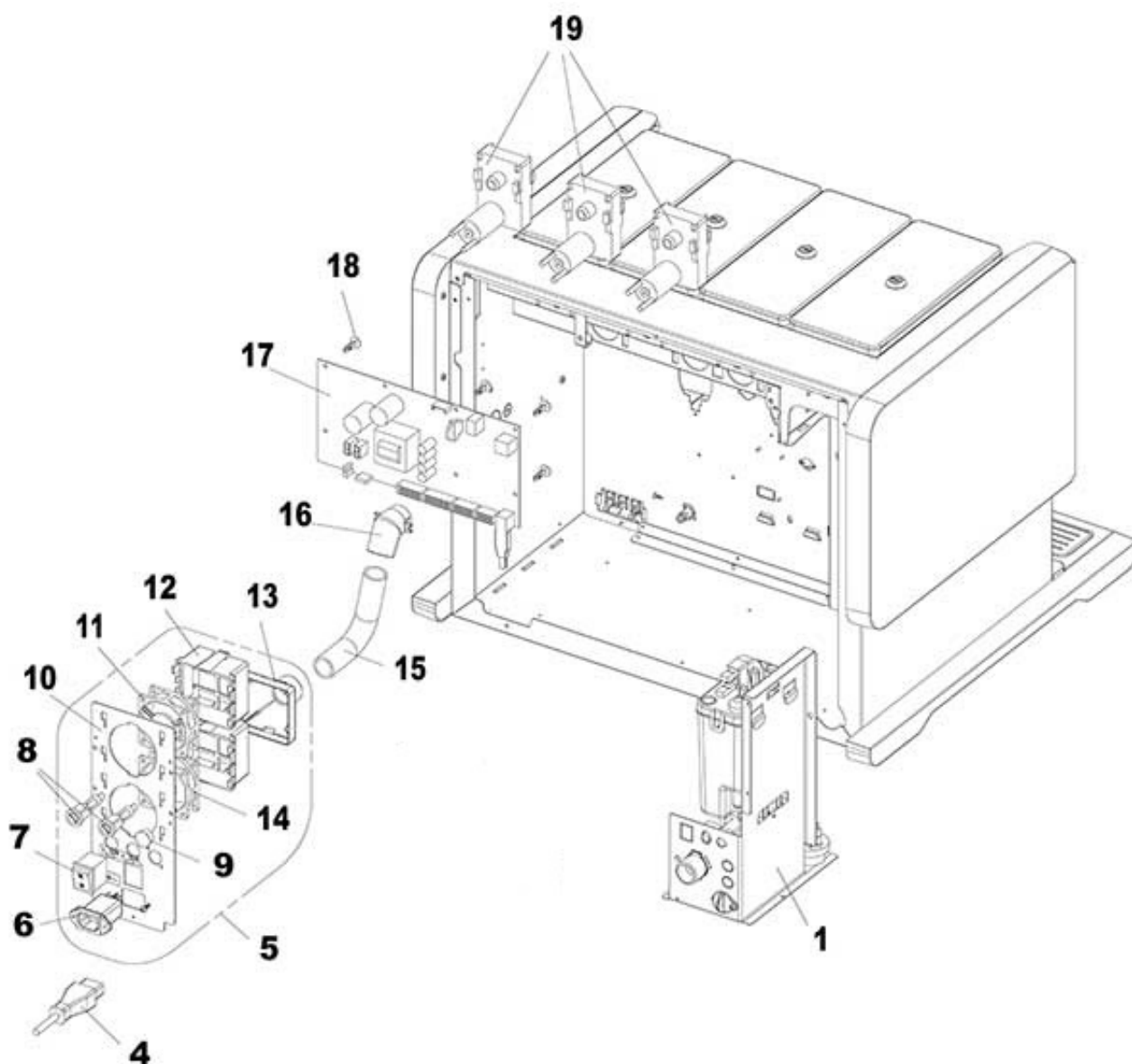
CCC = Customer code, for example 376 = Romania

cabinet



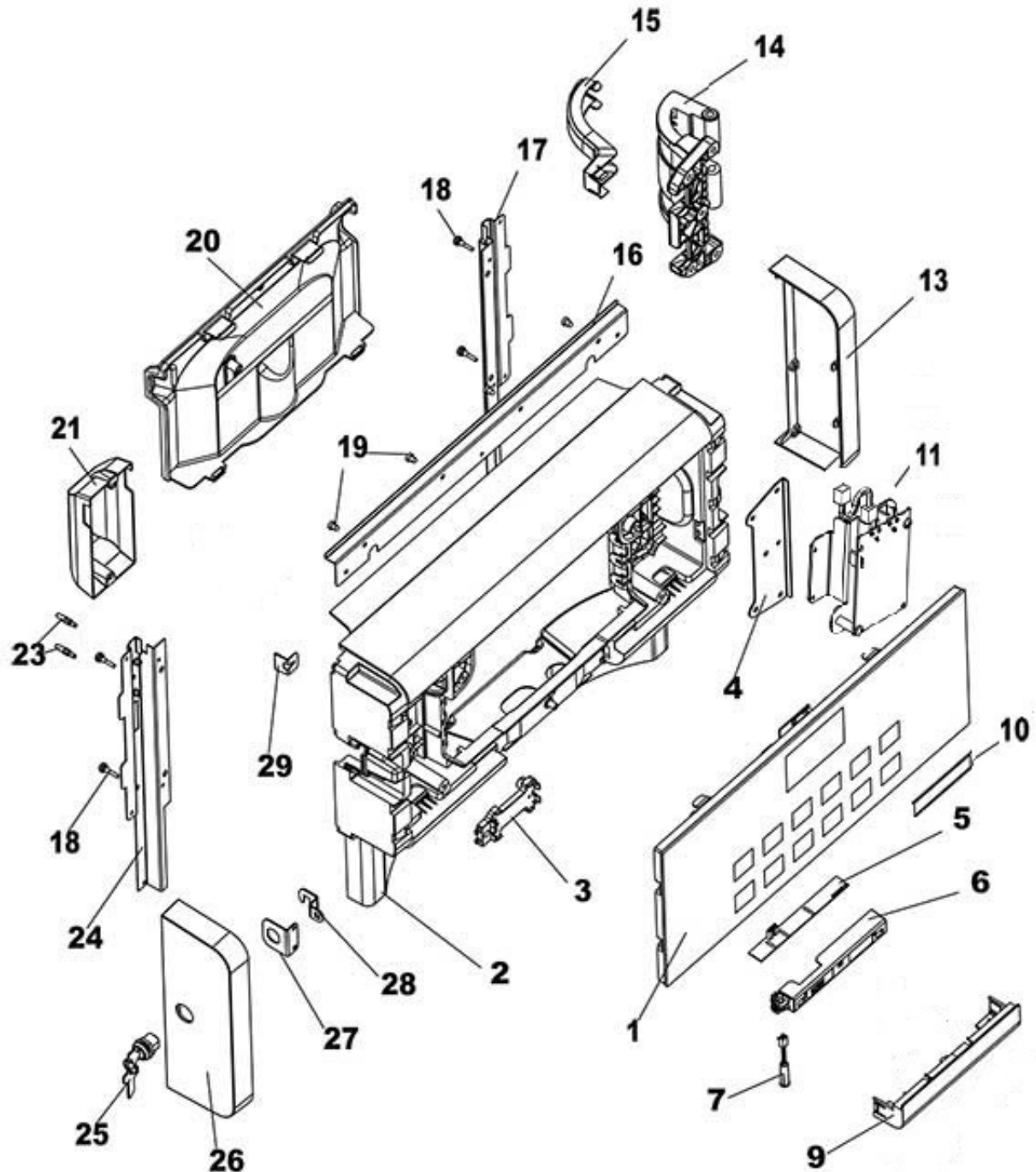
cabinet							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
1	Z001A115045NA	CABINET STRUCTURE					
2	Z001A115022	REAR CABINET					
3	Z001A115090CM	SIDE COVER					
4	Z001A115095NA	SIDE COVER SUPPORT					
5	Z002A115116	HINGE PIN Ø8 h7					
6	VIT0006650	RING D8					
7	Z002A115132NA	UPPER HINGE WITH BUSHING					
8	Z002A115105	DOOR HINGE SUPPORT					
9	Z002A115106	SPACER					
10	Z002A115130NA	LOWER HINGE					
11	Z0010024112	NON-SLIP SURFACE D.43,5X4					
12	Z026A115052	GROUNDS CHUTE					
13	Z001A115087CM	SIDE COVER DOWN					
14	Z001A115088NA	SIDE COVER SUPPORT DOWN RIGHT					
15	Z001A115031	GROUNDS CONTAINER					
16	Z001A115069	GROUND EXPULSION VANE	X				
17	Z0010024164-02	GROUNDS EJECTOR	X				
18	Z002A115029-03	INOX GRID					
19	Z002A115026NA	GRID					
20	Z002A115022CL	DRIP TRAY					
21	Z001A115086NA	SIDE COVER SUPPORT DOWN LEFT					
22	Z001A115085CM	LOWER L.H. LATERAL COVER					
23	Z0010027022	TRAP DRAWER REMOVABLE	X				
24	Z0010027037	TRAP DRAWER					
25	Z001A115034R	§SWITCH SUPPORT W/ADHESIVE					
26	ELE0002019	SWITCH 16A 250V	X				CK
27	ELE0062253	WIRING CLAMP ADESIVE					
28	Z0270011109IC	SERVICE KEY RAL2011	X				
29	Z002A115114NA	DOOR PIN					
30	Z002A115109	INTERNAL COVER CABINET					
31	Z0230015738-03	GRINDER COVER					
32	Z0230015229-02	REGULATION COVER					
34	ELE0001522CL	§ MICROSWITCH + LEVER + FASTON	X				
35	Z023A115027NA	MICRO SUPPORT (BLACK)					
36	ELE0001537CL	§ SENSOR MICRO					
37	Z001A115066-01	UPPER CROSSBAR STOPPING LEVER					
38	H00040094	NYLON SPACER 3,7X6,4 H.11					
39	Z001A115062NA	UPPER COVER CROSSBAR					
40	Z001A115035NA	UPPER COVER					
41		See table GRINDER					
42	Z002A115040NA	RINSING CICLE CONTAINER					
100	Z001A115031CL	§GROUNDS HOPPER Pos.15+16+17					

rear cabinet



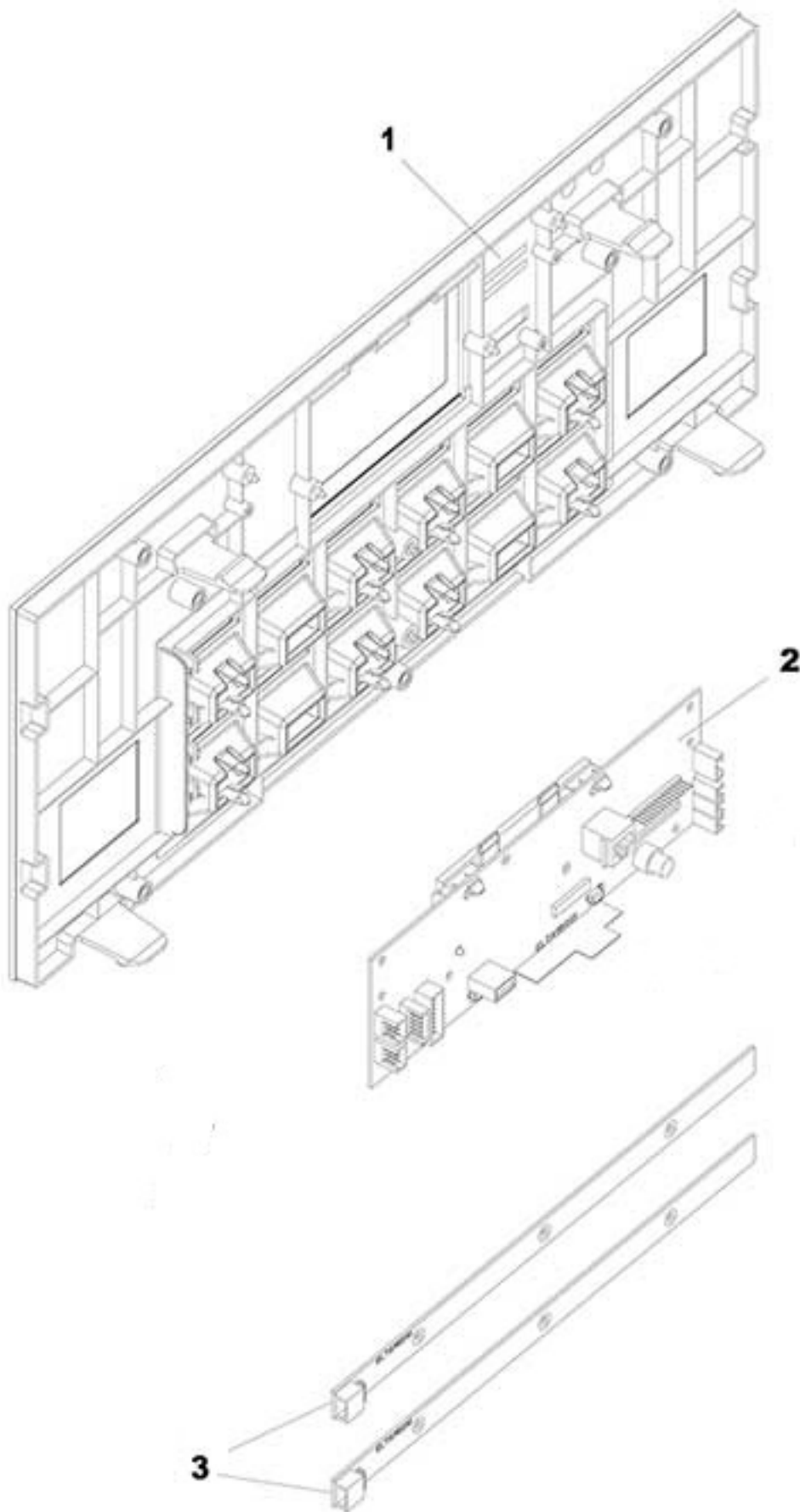
rear cabinet							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
1		See table water inlet panel					
4	ELE0055008	SUPPLY CABLE+PLUG+SCHUK.SOCKET	X				
5	Z013A115000CL	S CONTROL PANEL 230V					
6	ELE0002322	MAINS SOCKET 250V 10A	X				
7	ELE0002014CL3	BIPOLAR SWITCH 15A 250V	X				
8	ELE0003508CL	FUSE HOLDER+FUSE 12A	X				
9	GUA0011010	PLUG					
10	Z0130013002	ELECTRIC COMPONENTS SUPPORT					
11	ELE0000462	FAN 24V DC-LOW SPEED	X			X	
12	Z0010027064	FAN SUPPORT					
13	Z0010027065	FAN CONNECTOR					
14	ELE0000461	FAN 24V DC-HIGH SPEED	X	CK	CK	CK	X*
15	TEOL000001CL5	EXTRACTOR TUBE D.20 200MM	X				X
16	Z0010027043NA	EXTRACTOR TUBE BLACK	X				
17	SCH0008964-01	CPU/POWER BOARD	X				
18	ELE0062020	BOARD SUPPORT					
19	Z0090002113	MOTOR 24 DC 97 RPM	X				X

DOOR



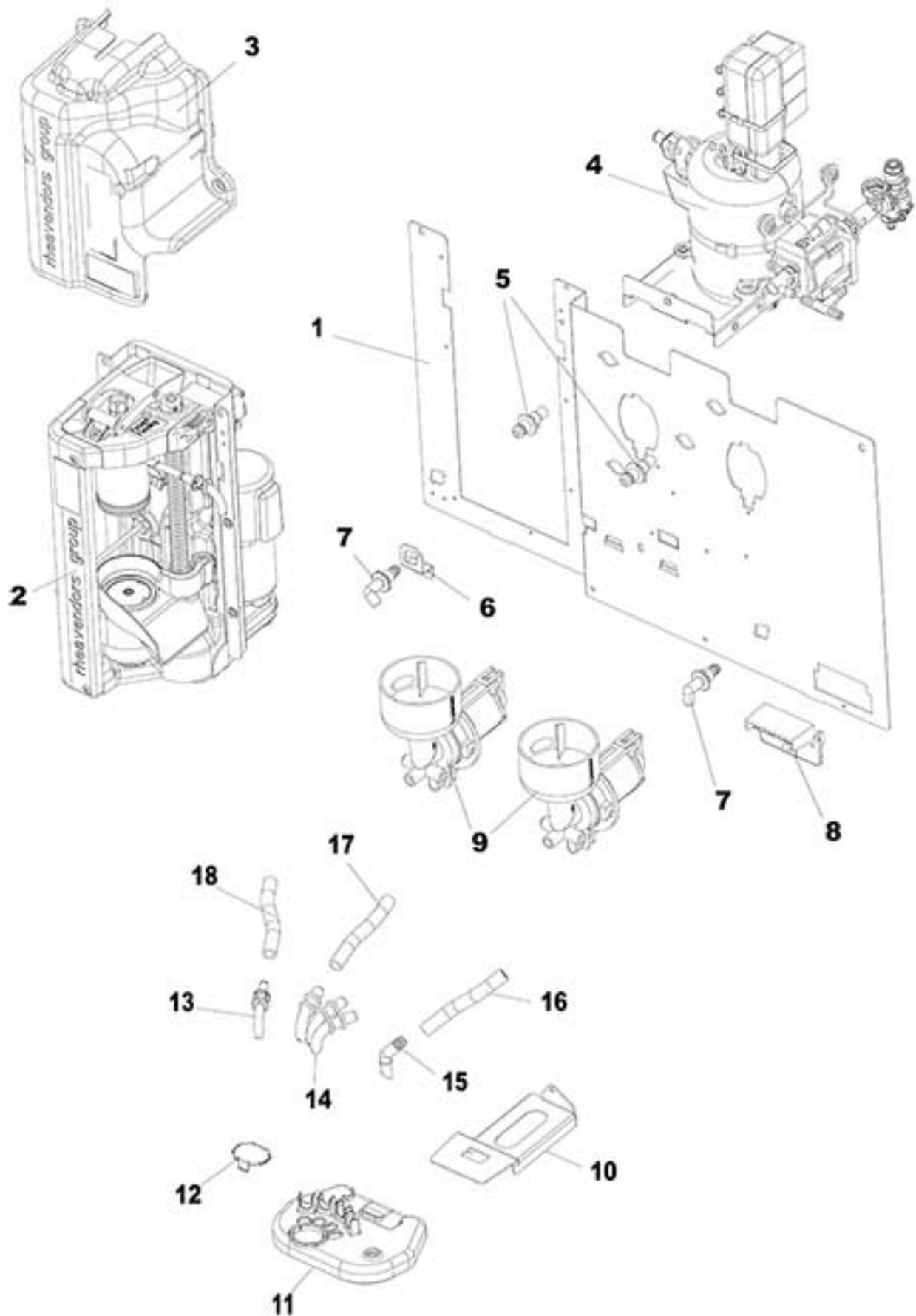
DOOR							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
1		See table LIGHTING GLASS					
2	Z002A115006-06NA	DOOR STRUCTURE					
3	Z002A115112NA	ANTENNA SUPPORT					
4	Z002A115015	FIXING HINGE REINFORCEMENT					
5	SCHA115015	LIGHTING CUP STATION BOARD					
6	Z002A115019-03TR	LIGHT GUIDE					
7	ELTA115000	REED SENSOR					
9	Z002A115012CM	NOZZLE COVER CP					
10	1030000325	RFID LOGO					
11		See table RFID CARD READER					
13	Z002A115010CM	DOOR COVER					
14	Z002A115119NA	DOOR HINGE ASSEMBLED					
15	Z002A115102NA	WIRES COVER					
16	Z002A115009NA	UPPER REINFORCEMENT					
17	Z002A115007NA	RIGHT SIDE REINFORCEMENT					
18	VITA115000	BUMPER D.10x4,2					
19	Z0020018061	SELECTION BUTTON PLUG					
20	Z002A115110NA	ELECTRONIC BOARDS COVER					
21	Z002A115111NA	PAY. SYS. COVER					
23	Z002A115018	DOOR PIN					
24	Z002A115008NA	LEFT SIDE REINFORCEMENT					
25	SER0000028	LOCK MM20 + KEY 3480	X				
26	Z002A115011CM	COVER LOCK SIDE					
27	Z002A105520	LOCK SUPPORT					
28	Z002A115014	LOCK PLATE CP					
29	Z002A115113	WIRES SUPPORT					

LIGHTING GLASS



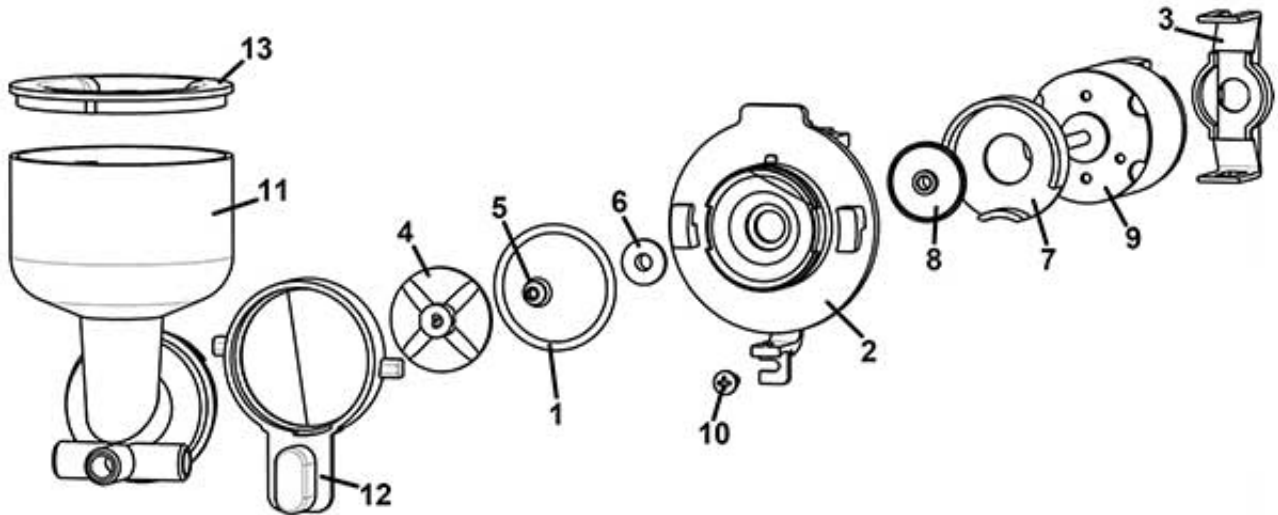
LIGHTING GLASS							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
1/a	103A115600CLR	§FRONT SHOWCASE+KEYB.SUP.BLACK	X				
1/b	103A115601CLR	§FRONT SHOWCASE+KEYB.SUPP.ORO					
2	SCHA115001	4,3" GPU LCD	X				
3	SCHA115010	LABELS LIGHTING BOARD	X				

mixer plan

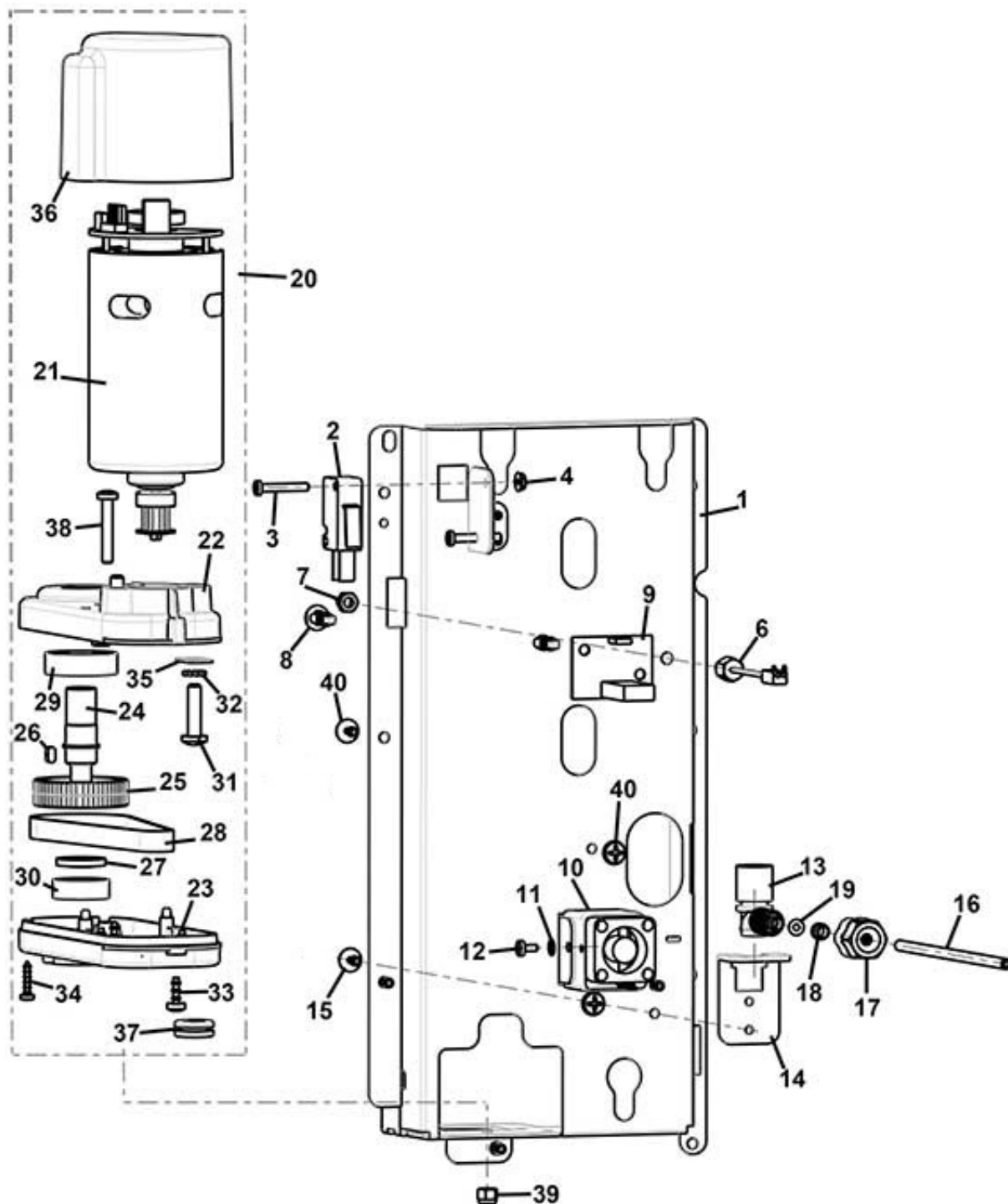


mixer plan							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
1	Z026A115026NA	2MIXER+VARIFL BREW SUP					
2		See table PROFESSIONAL BREWER GROUP D.45					
3	Z0250014007CL1	§ VARIFLEX BREWER COVER-TT					
4		See table ESPRESSO boiler support					
5	Z0080100043CL	§ MIXER CONNECTOR+OR	X				
6	Z026A115013	OUTLET PIPE SUPPORT					
7	Z0080100084	90° CONNECTOR					
8	Z0070035010CL	§ DRIP TRAY SENSOR SUPPORT	X				
9		See table mixers					
10	Z026A115050NA	NOZZLE HOLDER SUPPORT					
11	Z002A115151NA	HOLDER PIPES PRODUCTS	X				
12	Z002A115152NA	PLUG					
13	Z0020039539R	§ SPOUT DELIVERY D.4	X				
14	Z0010020052	PRODUCT NOZZLE	X	Y	Y	Y	Y
15	Z0020039533	SPOUT DELIVERY 30° D.6	X				
16/a	TSIL06/09TC-10	SILICON HOSE 5,6X8,8 MT.10	X	Y	Y	Y	Y
16/b	TSIL06/09TC-50	SILICON HOSE 5,6X8,8 MT.50					
17/a	TSIL06/11T-10	SILICON HOSE 6X11 MT.10	X	Y	Y	Y	Y
17/b	TSIL06/11T-50	SILICON HOSE 6X11 MT.50					
18/a	TSIL04/06T-10	SILICON HOSE 4X6 MT.10	X	Y	Y	Y	Y
18/b	TSIL04/06T-50	SILICON HOSE 4X6 MT.50					

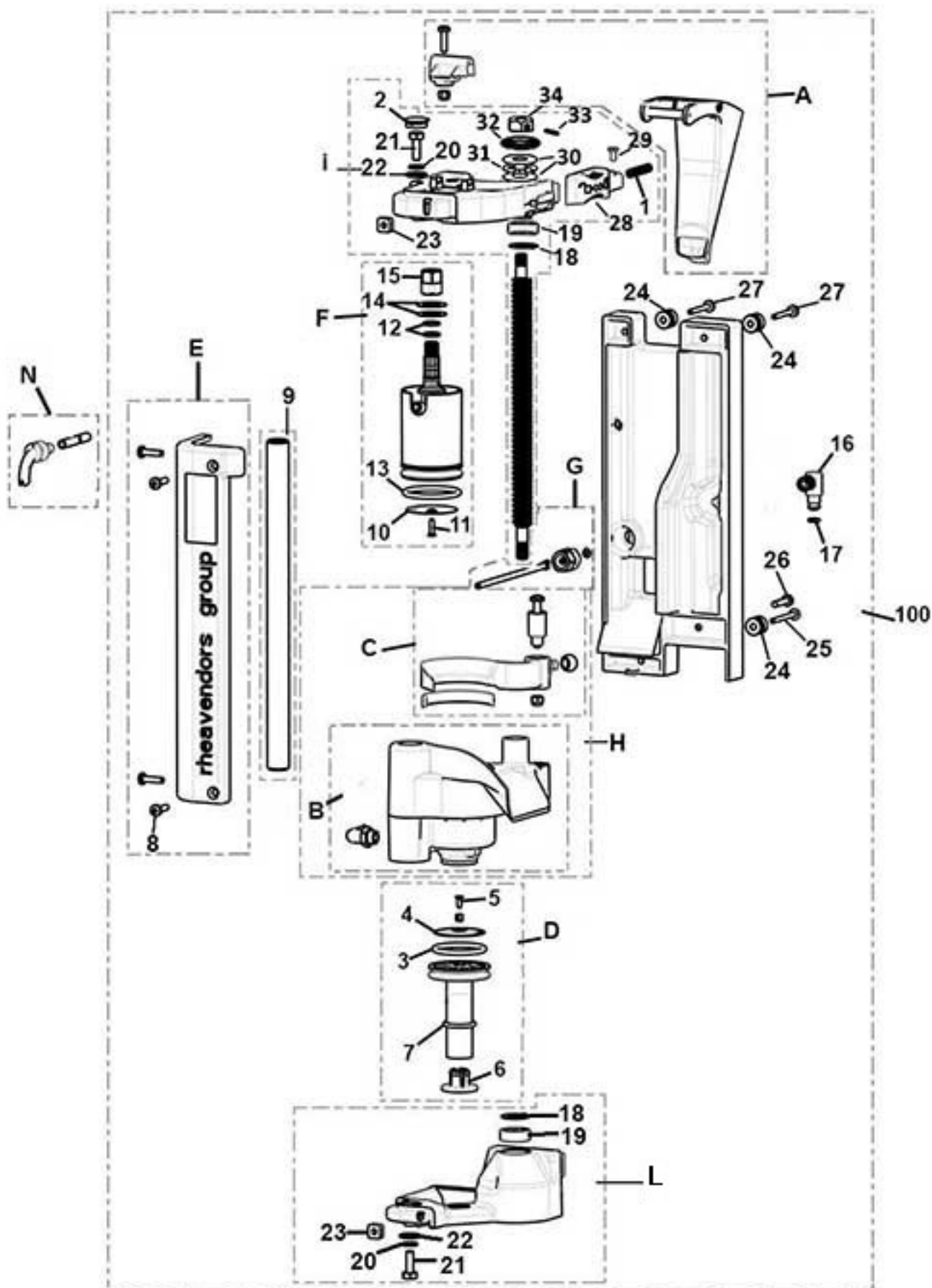
mixers



mixers							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
1	GUA0000084	OR 3131 RED SILICONE A60	X	Y	Y	Y	Y
2	Z0080100005	MOTOR MIXER BASE					
3	Z0080100009C	MIXER MOTOR SUPPORT RAL2011	X				
4	Z0080100011	MIXER FAN	X	CK	Y	Y	Y
5	Z0080100102	MIXER SHAFT GASKET	X	CK	Y	Y	Y
6	Z0080100015	MIXER BUSH	X				
7	Z0080100023C	MIXER COVER RAL2011					
8	Z0080100024	MIXER FAN					
9	Z0090003023	MIXER MOTOR 24V DC SHAFT D.4	X				X
10	VIT0002401	SCREW ST HEAD CAP M3.5X9.5					
11/a	Z0080200101L	MIXING BOWL L.W/H20 BREAKER	X				
11/b	Z0080200103C	MIXING BOWL F.W/H20 BREAKER	X				
12	Z0080100006C	LOCK RING RAL2011	X				
13	Z0080100008	UPPER RING					
100	Z0080100001R	§ MIXER BOWL BASE+MOTOR (from pos.1 to pos.9)	X				

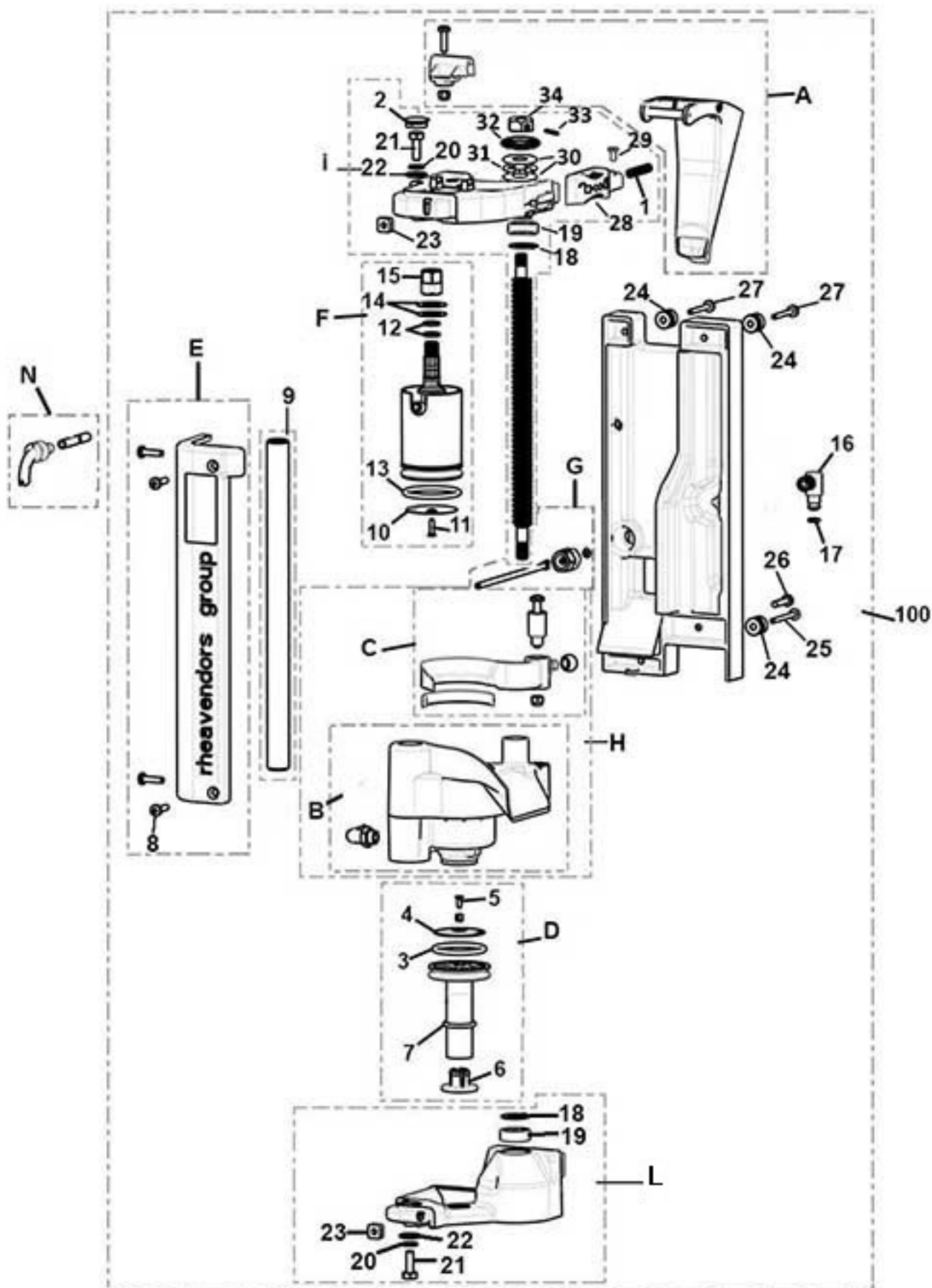


PRO BREWER SUPPORT+MOTOR							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
1	Z0260014002	VARIFLEX BREWER SUPPORT					
2	ELE0001522	MICROSWITCH	X				
3	VIT0000006	SCREW HEAD TAP CAP M3X16					
4	VIT0004701	NUT M3					
6	ELE0000931	PROBE NTC 10K/TE	X				
7	VIT0004816	NUT M4					
8	ELE0062020	BOARD SUPPORT					
9		Heater board sold with code ELE0000467-02					
10	ELE0000467-02	FAN HEATER 24V DC + BOARD	X				
11	VIT0003102	SPRING WASHER 3,2					
12	VIT0000002	SCREW HEAD TAP CAP M3X6					
13	Z0250014084-02	FEMALE CONNECTOR					
14	Z0260014009-01	H2O CONNECTOR SUPPORT					
15	VIT0002009	SCREW ST HEAD CAP M3.5X6.5					
16	TTEF02/04T	PTFE PIPE 2X4	X	Y	Y	Y	
17	Z0250014086	NUT					
18	Z0100002014	LOCKING RING SO1-4					
19	GUA0000061	OR 2010 VITON 80 BLACK	X	CK	CK	X	X
20	Z0090002250R	§ VARIFLEX BREW. GEARBOX MOTOR	X			CK	X
21	Z0090002252-01	§ MOTOR 24V DC					
22	Z0090002222NA	MOTOR UPPER CASE RAL9005					
23	Z0090002223NA	MOTOR LOWER CASE RAL9005					
24	Z0090002224	FEMALE CONNECTOR SHAFT					
25	Z0090002255AN	PULLEY					
26	VIT0006703	CLAMP					
27	Z0090002226	SPACER					
28	Z0090002258	BELT					
29	VIT0009324	BEARING	X				
30	VIT0009320	BEARING	X				CK
31	VIT0000017	SCREW HEAD TAP CAP M5X20					
32	VIT0003104	SPRING WASHER 5,3					
33	VIT0002469	SCREW HEAD TAP M3.5X10					
34	VIT0002014	SCREW ST HEAD CAP M2.9X13					
35	Z0090002240	MOTOR SPACER					
36	Z0090002235CK	MR GV BOARD COVER R.7037					
37	GUA0010501	ELECTRICAL GROMMET DG 7,5					
38	VIT0000015	SCREW HEAD TAP CAP M4X25					
39	VIT0004815	NUT M4					
40	VIT0002401	SCREW ST HEAD CAP M3.5X9.5					
100	Z0250014086R	§ WATER INLET TUBE 0,15 mt From pos. 16 to pos. 19	X	CK	Y	Y	Y
101	Z0090002224R	§ FEMALE CONNECTOR SHAFT From pos.24 to pos.30 excluded pos.28					



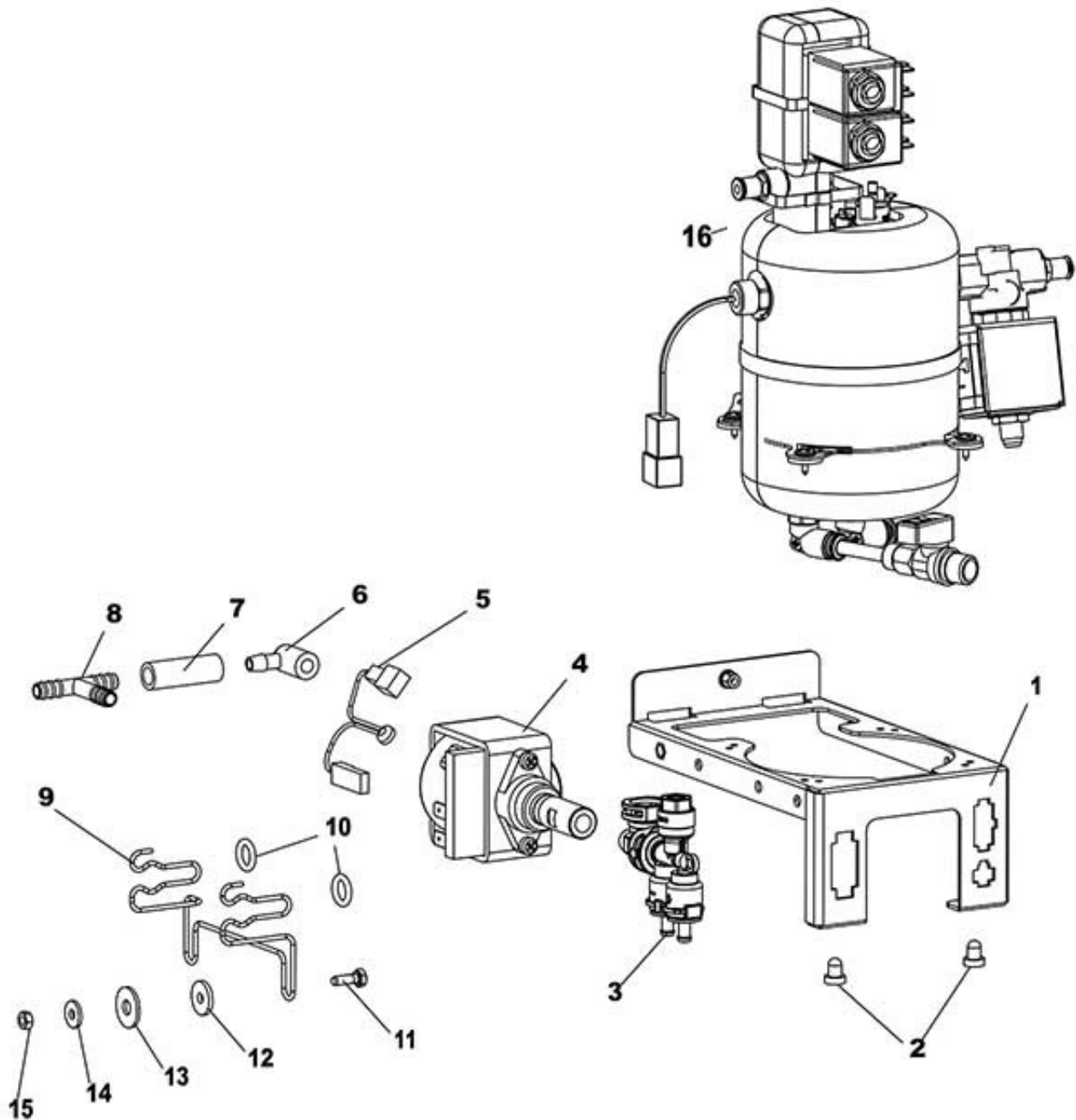
PROFESSIONAL BREWER GROUP D.45							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
A	Z0250014008R	§ CHUTE D. 45	X				
1	Z0250014081	SPRING	X				
2	GUA0011022	PLUG					
B	Z0250014022R	§ INFUSION CHAMBER D.45 included internal components and elbow	X				
C	Z0250014024R	§ BRUSH D.45	X	X	X	X	X
D	Z0250014028R	§ LOWER FILTER HOLDER D.45	X				
3	GUA0000097	OR 4131 RED SILICONE LSR70	X	CK	Y*	Y*	Y*
4	Z0250014029	COFFEE FILTER DIAM. 37.3	X	CK	Y	Y	Y
5	VIT0000121	SCREW COUNT FLAT HEAD M3X8					
6	Z0250014027R1	LOWER PISTON LOCK+SET SCREW					
7	GUA0000103	OR 3075 SILICON	X	CK	Y*	Y*	Y*
E	Z0250014019R	§ FRONTAL COVER					
8	VIT0001009	SCREW HEAD TAP CAP M4X16					
9	Z0250014013-04	CYLINDRICAL GUIDE					
F	Z0250014045R	§ UPPER FILTER HOLDER D.45	X				
10	Z0250008211	COFFEE FILTER 37,3	X	CK	Y	Y	Y
11	VIT0000129	SCREW COUNT HEAD M3X12					
12	GUA0000045	OR 108 VITON 80 BLACK	X	CK	Y*	Y*	Y*
13	GUA0000097	OR 4131 RED SILICONE LSR70	X	CK	Y*	Y*	Y*
14	Z0250014048	SPRING	X	CK	X2	X2	X2
15	Z0250014086	NUT					
16	Z0250014085	MALE CONNECTOR					
17	GUA0000004	OR 104 NBR AL 75 BLACK	X	CK	X	X	X
G	Z0250014086CL1	§WATER INLET TUBE 0,119 mt					
H	Z0250014020R	§ INFUSION CHAMBER D.45	X				
I	Z0250014005R2	§UPPER SUPPORT WITHOUT CHUTE					
L	Z0250014012R	§ LOWER SUPPORT					
18	Z0250014077	SPACER					
19	VIT0009320	BEARING	X				CK
20	VIT0003113	SPRING WASHER 6,4					
21	VIT0000249	SCREW HEX HEAD M6X16					
22	Z0250014079	WASHER D.15 D.6,5 SP.1,5					
23	VIT0009112	NUT M4					
24	Z0250014072	PIN					
25	VIT0000033	SCREW HEAD TAP CAP M4X35					
26	VIT0001011	SCREW HEAD TAP CAP M4X20					
27	VIT0001006	SCREW HEAD TAP CAP M4X30					
28	Z0250014082	BREWER STOPPER BUTTON					
29	VIT0002009	SCREW ST HEAD CAP M3.5X6.5					
30	VIT0009318	SPACER WASHER	X				CK
31	VIT0009317	BEARING	X				CK
32	GUA0001007	V RING GASKET VA16	X				CK
33	VIT0007011	SET SCREW 4X4					
34	Z0250014071	NUT M8					
N	Z0020039539R	§ SPOUT DELIVERY D.4	X				

PROFESSIONAL BREWER GROUP D.45							
100	Z0250014000CL	COFFEE BREWER VARIFLEX D 45	X				

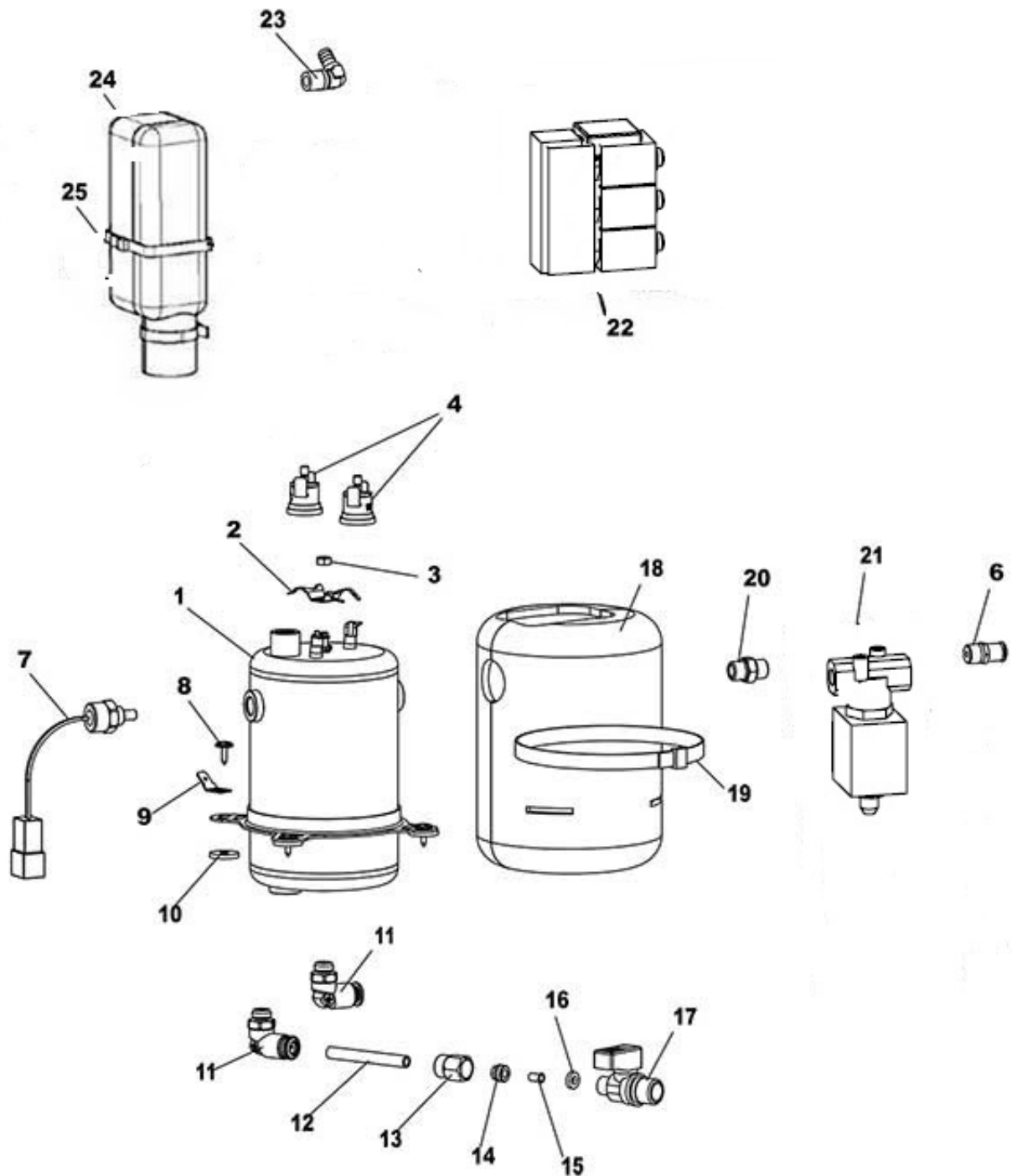


PROFESSIONAL BREWER GROUP D.36							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
A	Z0250014033R	§ CHUTE D. 36	X				
1	Z0250014081	SPRING	X				
2	GUA0011022	PLUG					
B	Z0250014032R	§ INFUSION CHAMBER D.36 included internal components and elbow	X				
C	Z0250014034R	§ BRUSH D.36	X	X	X	X	X
D	Z0250014038R	§ LOWER FILTER HOLDER D.36	X				
3	GUA0000080	OR 4112 RED SILICONE LSR70	X	CK	Y*	Y*	Y*
4	Z0250008019	COFFEE FILTER	X	CK	Y	Y	Y
5	VIT0000121	SCREW COUNT FLAT HEAD M3X8					
6	Z0250014027R1	LOWER PISTON LOCK+SET SCREW					
7	GUA0000103	OR 3075 SILICON	X	CK	Y*	Y*	Y*
E	Z0250014019R	§ FRONTAL COVER					
8	VIT0001009	SCREW HEAD TAP CAP M4X16					
9	Z0250014013						
F	Z0250014040R	§ UPPER FILTER HOLDER D.36	X				
10	Z0250008099	COFFEE FILTER 33,4	X	CK	Y	Y	Y
11	VIT0000129	SCREW COUNT HEAD M3X12					
12	GUA0000045	OR 108 VITON 80 BLACK	X	CK	Y*	Y*	Y*
13	GUA0000080	OR 4112 RED SILICONE LSR70	X	CK	Y*	Y*	Y*
14	Z0250014048	SPRING	X	CK	X2	X2	X2
15	Z0250014086	NUT					
16	Z0250014085	MALE CONNECTOR					
17	GUA0000004	OR 104 NBR AL 75 BLACK	X	CK	X	X	X
G	Z0250014086CL1	§WATER INLET TUBE 0,119 mt					
H	Z0250014030R	§ CHAMBER D.36	X				
I	Z0250014005R2	§UPPER SUPPORT WITHOUT CHUTE					
L	Z0250014012R	§ LOWER SUPPORT					
18	Z0250014077	SPACER					
19	VIT0009320	BEARING	X				CK
20	VIT0003113	SPRING WASHER 6,4					
21	VIT0000249	SCREW HEX HEAD M6X16					
22	Z0250014079	WASHER D.15 D.6,5 SP.1,5					
23	VIT0009112	NUT M4					
24	Z0250014072	PIN					
25	VIT0000033	SCREW HEAD TAP CAP M4X35					
26	VIT0001011	SCREW HEAD TAP CAP M4X20					
27	VIT0001006	SCREW HEAD TAP CAP M4X30					
28	Z0250014082	BREWER STOPPER BUTTON					
29	VIT0002009	SCREW ST HEAD CAP M3.5X6.5					
30	VIT0009318	SPACER WASHER	X				CK
31	VIT0009317	BEARING	X				CK
32	GUA0001007	V RING GASKET VA16	X				CK
33	VIT0007011	SET SCREW 4X4					
34	Z0250014071	NUT M8					
N	Z0020039539R	§ SPOUT DELIVERY D.4	X				

PROFESSIONAL BREWER GROUP D.36							
100	Z0250014060CL	§ COFFEE BREWER VARIFLEX D.36		X			

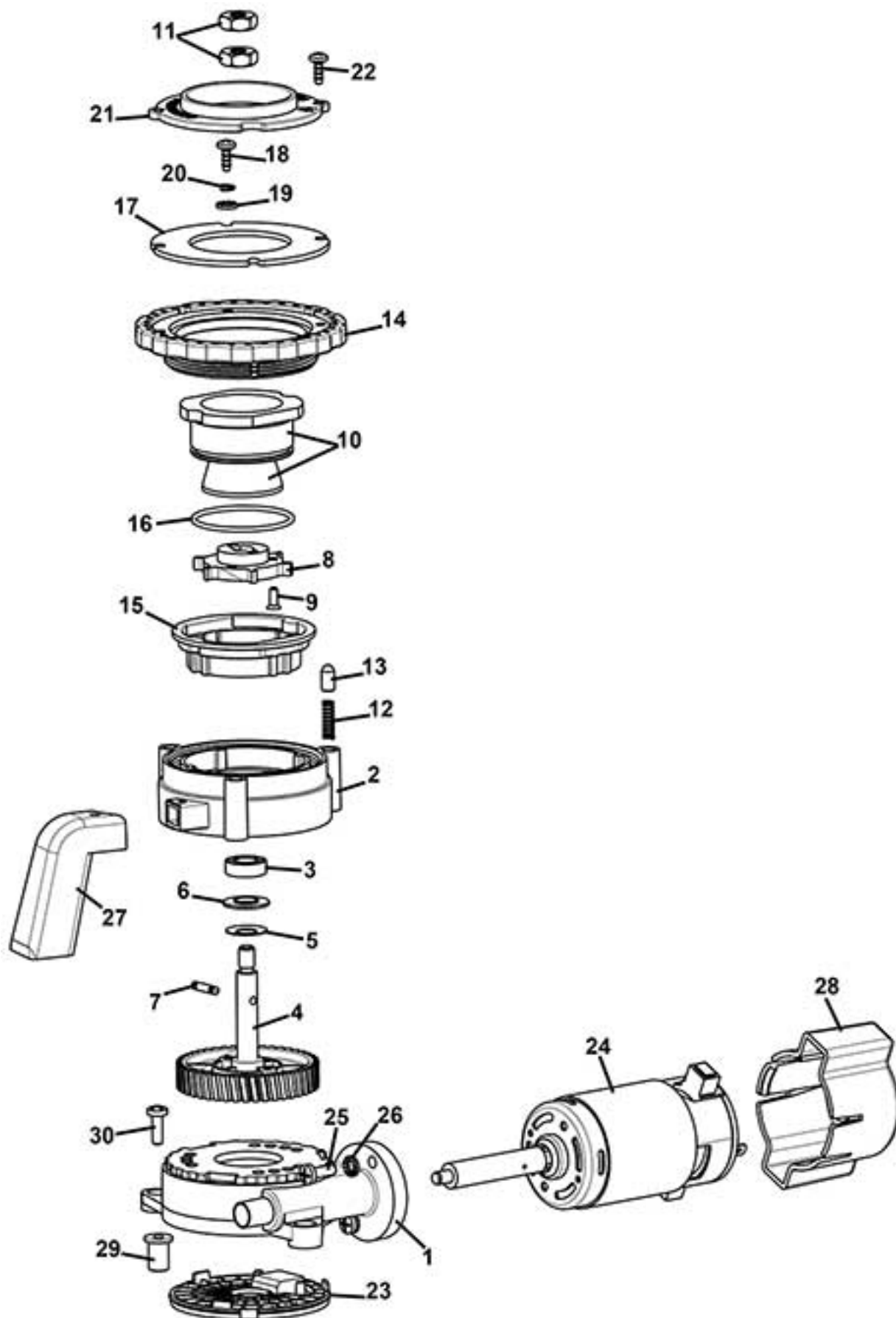


ESPRESSO boiler support							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
1	Z0600019772NA	INOX BOILER FIXING PLATE					
2	Z0020018061	SELECTION BUTTON PLUG					
3	Z0110001151R	VALVE 3W W/BY-PASS 11BAR	X		CK	X*	
4/a	Z0110004065	PUMP PLUS PGØ7 230V-50HZ	X		CK	X	
4/b	Z0110004067	PUMP EP5 220V 60HZ For version 220V	X		CK	X	
5	ELE0000915	PUMP THERMOPROTECTOR	X				
6	Z0110004023	CONNECTOR	X				
7/a	TSIL05/08T-10	SILICON HOSE 5X8 MT.10	X	Y	Y	Y	Y
7/b	TSIL05/08T-50	SILICON HOSE 5X8 MT.50					
8	Z0100003022	T CONNECTOR 461 TS UL	X				
9	Z0110004038	PUMP SUPPORT					
10	GUA0000043	OR 109 NBR AL 75 BLACK	X				X
11	VIT0000234	SCREW HEX HEAD M4X12 A2					
12	1600001098	RUBBER SPACER D. 4,5					
13	VIT0003301	WASHER 4,3X12X1,5					
14	VIT0003103	SPRING WASHER 4,3					
15	VIT0004503	NUT M4					
16		See table ESPRESSO BOILER STAINLESS STEEL 400CC					
17	Z060A115000CL	§ S. STEEL BOILER-3+1V. 230V Included pos. 1 + 2 + 16					



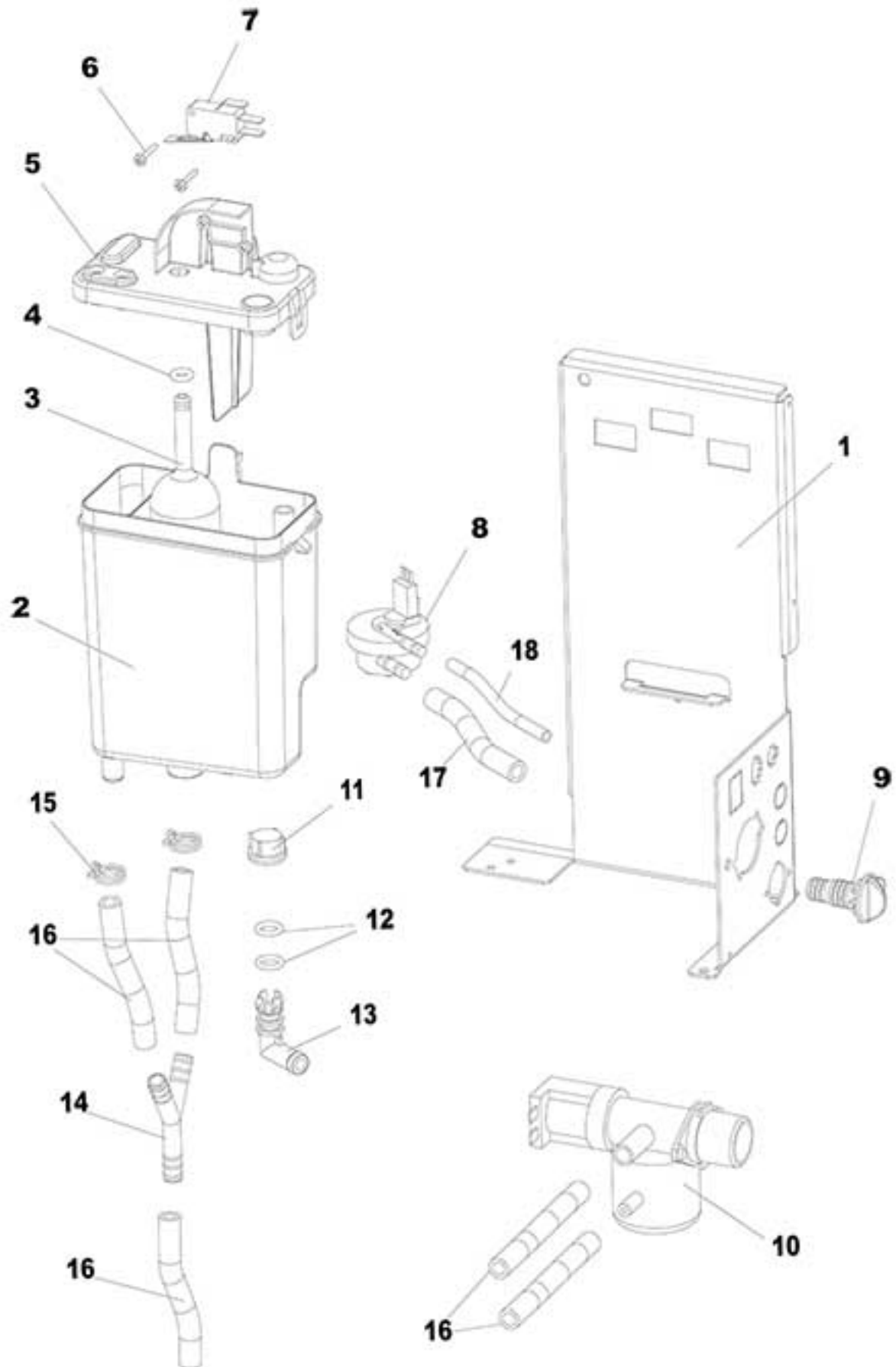
ESPRESSO BOILER STAINLESS STEEL 400CC							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
1	Z0600019701CL	§ BOILER 1500 W 230V 400 CC	X		CK	CK	CK
2	Z0600019188	THERMOSTAT CLIP					
3	VIT0004826	NUT M4X0,7					
4	ELE0000982	CLIXSON 127°	X				
6	Z0100001070	STRAIGHT CONNECTOR 800 4-1/8					
7	ELE0000975	PROBE	X	CK	CK	CK	CK
8	VIT0002401	SCREW ST HEAD CAP M3.5X9.5					
9	Z0600019012	GROUND WIRING					
10	1600001098	RUBBER SPACER D. 4,5					
11	Z0100001109	ELBOW CONNECTOR 6-1/8+OR					
12	TTEF04/06T	PTFE PIPE 4X6	X	Y	Y	Y	Y
13	Z0100001002	CONNECTOR NUT					
14	Z0100002002	LOCKING RING SO1-6					
15	Z0100002005	NUT D.4					
16	Z0100003002	COPPER GASKET SO5-5-1/8					
17	Z0600019017	TAP M/F 1/8	X	CK	CK	CK	CK
18	Z0600019195	INSULATION SHELL					
19	FASC000214	PLASTIC CLIP BLACK 7,8X365					
20	Z0100001084	NIPPLE 1/8					
21	Z0110001124	VALVE 3W 1/8 24V DC 8W	X		CK	X*	
22	Z0110001117	VALVE BLOCK 3V 2W 24V DC 7W	X		CK	X*	
23	Z0100001102	CONNECTOR 1/8"-Ø7,2 90°					
24	Z0600019196	EV HOUSING INSULATION					
25	FASC000215	PLASTIC CLIP BLACK 2,6X200					

GRINDER

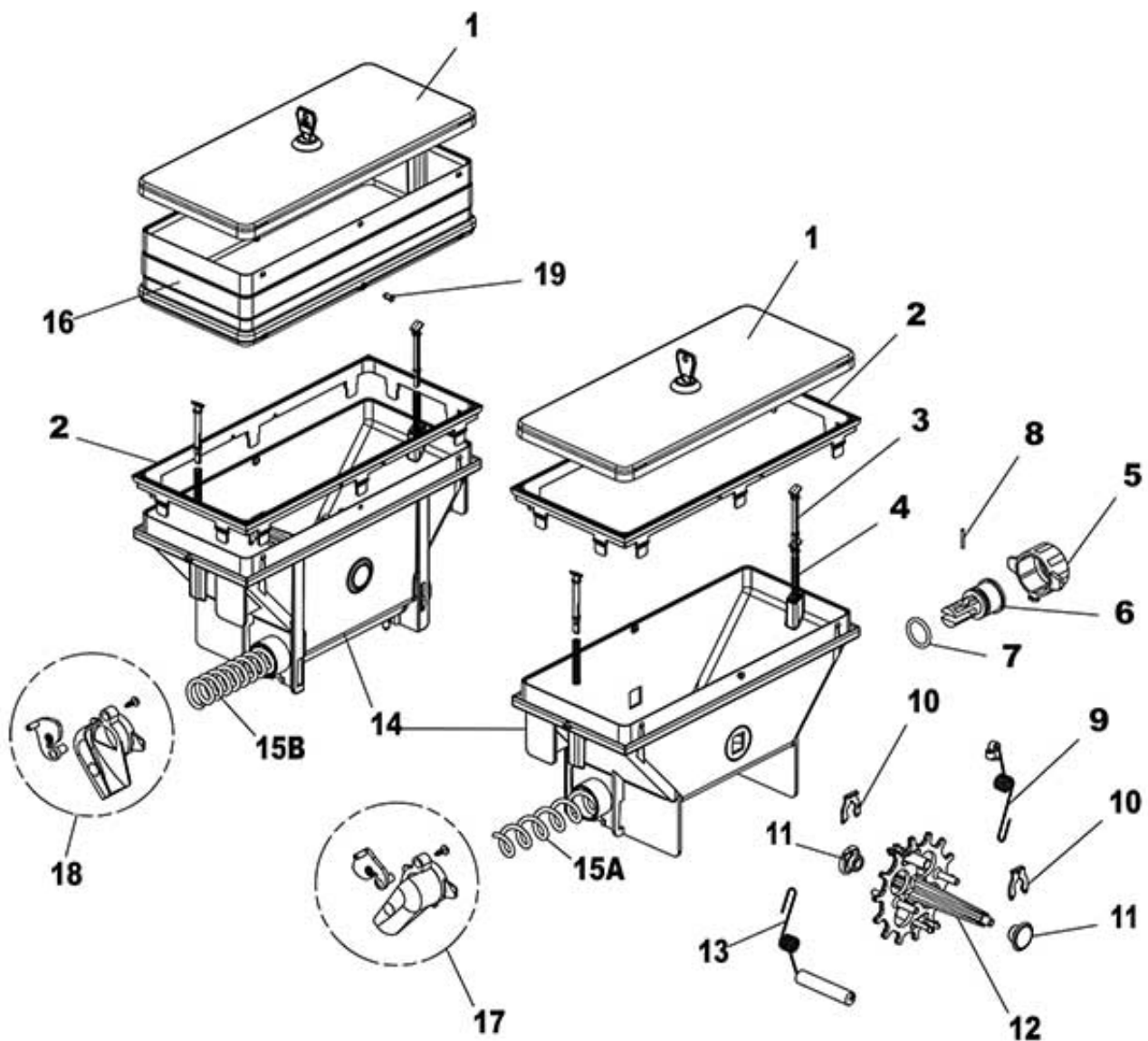


GRINDER							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
1	Z0320001639NAR	§ MOTOR SUPPORT BLACK+PLUG					
2	Z0320001602NAR	GRINDER BLADES SUPPORT					
3	VIT0009325	BEARING	X				CK
4	Z0320001608R	TRANSMISSION WHEEL	X				CK
5	Z0320001629	CUP SPRING 16x8,2 SP. 0,4					
6	Z0320001625	BUSH					
7	Z0320001704	GRINDER ROTATION PIN REINFORCE	X		CK	CK	CK
8	Z0320001636	EJECTOR	X			CK	
9	VIT0000121	SCREW COUNT FLAT HEAD M3X8					
10	Z0320001680	CONIC BLADES PLUS	X		CK		X
11	Z0320001642	LOWER GRINDER FIXING NUT					
12	Z0320001643	SPRING D.4X15X0,6					
13	Z0320001624	REGULATION PIN					
14	Z0320001605NAR	§ REGULATION RING NUT BLACK					
15	Z0320001635-03NA	GRINDER SUPPORT BLACK					
16	GUA0000124	SILICONE OR 2137	X		X		
17	Z0320001622	UPPER GRINDER FIXING					
18	VIT0002469	SCREW HEAD TAP M3.5X10					
19	Z0320001666	SPACER D.4x7x2					
20	VIT0003103	SPRING WASHER 4,3					
21	Z0320001607NA	DUCT BLACK					
22	VIT0002010	SCREW ST HEAD CAP M3.5X9.5					
23	Z0320001604NA	PLUG BLACK					
24	Z0090003047	GRINDER MOTOR 230V DC	X				CK
25	VIT0000013	SCREW HEAD TAP CAP M4X12					
26	VIT0003103	SPRING WASHER 4,3					
27	Z0320004736-04	GRINDER CHUTE R.2011	X				
28	Z0320001615NA	GRINDER SENSOR COVER BLACK					
29	Z0320001628	NO-VIBRATION BUSH					
30	VIT0000012	SCREW HEAD TAP CAP M4X10					
100	Z0320001601CL3AL	§GRINDER VRFX 15° BREWER PLUS From pos.1 to pos. 28	X				CK
101	Z0320001601CL3CAL	§GRINDER VRFX 15° PREGR.PLUS From pos.1 to pos. 28	X				CK

water inlet panel

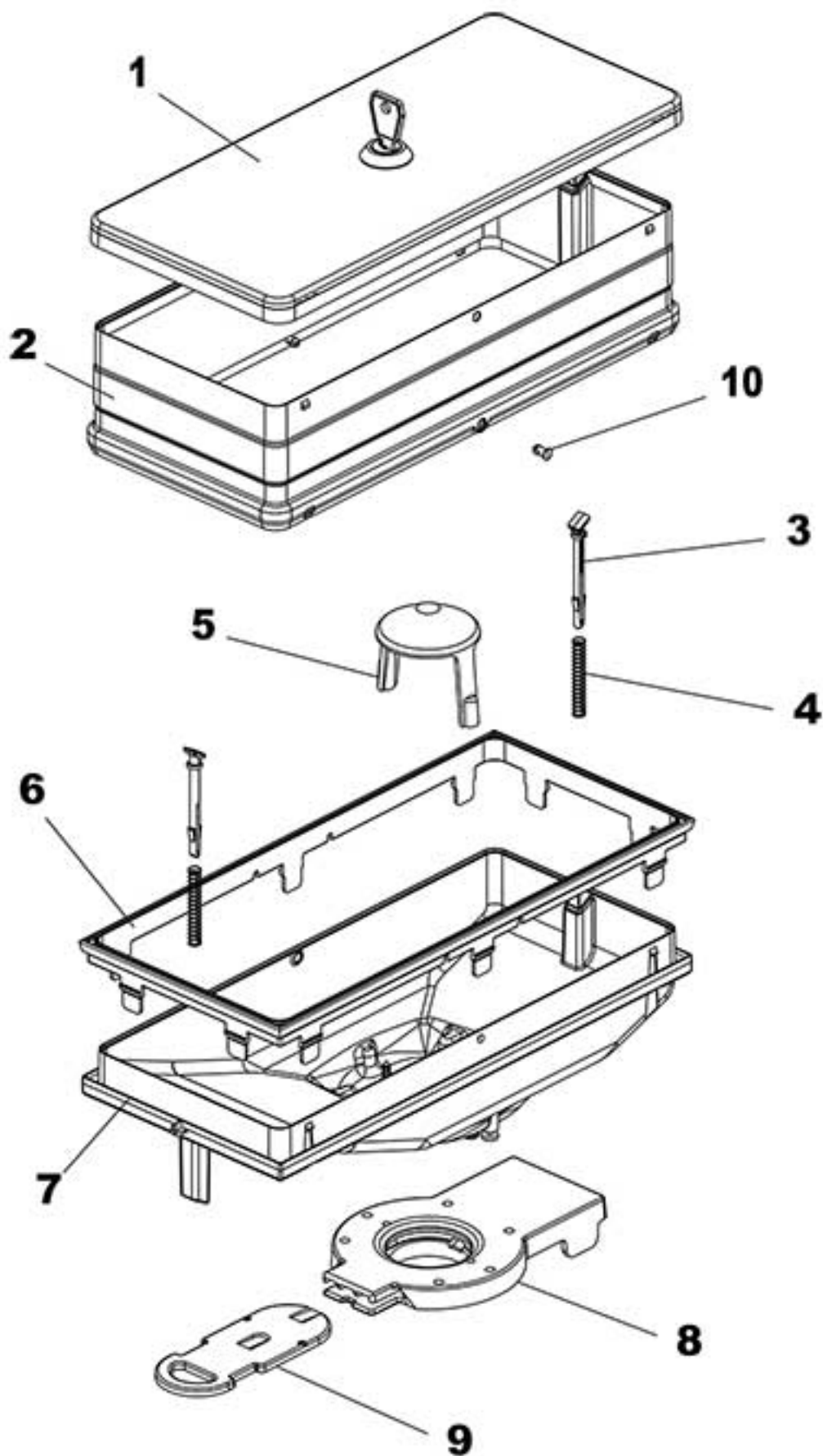


water inlet panel							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
1	Z0010028248-09	HYDRAULIC HOLDER					
2	Z0800013041	AIR BREAK TANK					
3	Z0800013046	AIR BREAK WASTE FLOAT	X				
4	GUA0000082	SILICON GASKET D.6	X		CK		CK
5	Z0800013043	AIR BREAK COVER					
6	VIT0002013	SCREW ST HEAD CAP M2.9X19					
7	ELE0001514	MICROSWITCH 3A 125-250VA	X			CK	X
8	Z0110007003	VOLUMETRIC COUNTER	X	CK	CK	CK	X
9	Z0600016455	H2O OUTLET PLUG	X				
10	Z0110001058	WATER INLET VALVE 24V DC	X		CK		X
11	Z0110020007	PLASTIC FILTER DIAM. 20	X			X	
12	GUA0000043	OR 109 NBR AL 75 BLACK	X				X
13	Z0800009211	ELBOW CONNECTOR	X				X
14	Z0100001065	CONNECTOR "Y"					
15	FASC000109	CLAMP					
16/a	TSIL07/11T-10	SILICON HOSE 7X11 MT.10	X	Y	Y	Y	Y
16/b	TSIL07/11T-50	SILICON HOSE 7X11 MT.50					
17/a	TSIL06/11T-10	SILICON HOSE 6X11 MT.10	X	Y	Y	Y	Y
17/b	TSIL06/11T-50	SILICON HOSE 6X11 MT.50					
18/a	TSIL04/06T-10	SILICON HOSE 4X6 MT.10	X	Y	Y	Y	Y
18/b	TSIL04/06T-50	SILICON HOSE 4X6 MT.50					
100	Z0010028247CL	§PLUMBED AIR BREAK					



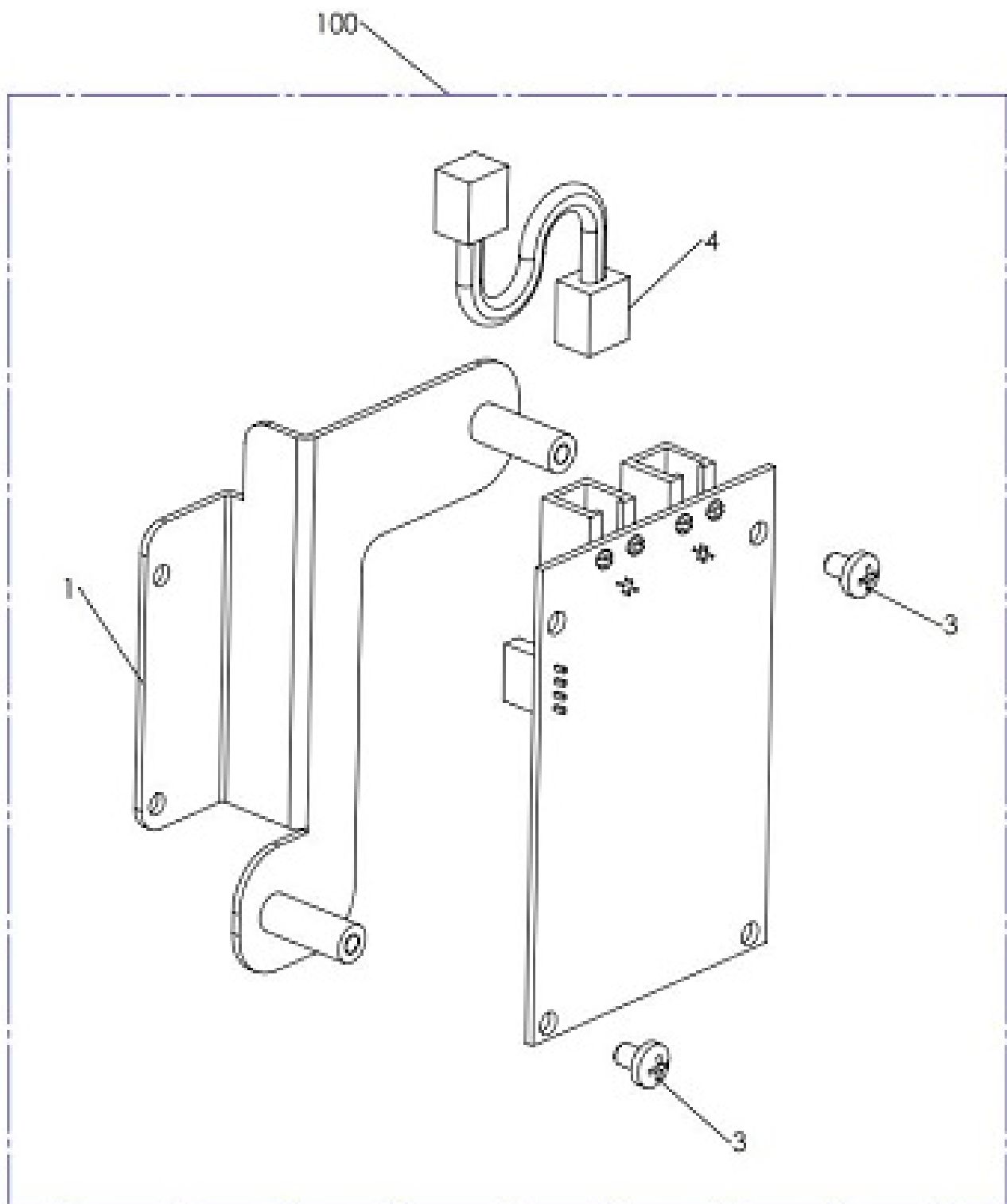
products container							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
1	Z023A115020CL	§ COFFEE BEANS COVER					
2	Z023A115011	PRODUCTS CONTAINER GASKET					
3	Z023A115025	MICRO ACTUATOR					
4	Z023A115028	SPRING					
5	Z0230030011	REAR BUSH	X			CK	X
6	Z0230030012	SPIRAL PIN					
7	GUA0000083	OR 123 RED SILICONE A70	X		CK		X
8	VIT0005106	PIN 2X14					
9/a	Z023A115045CL	§ LH SMALL ANTIBRIDGING					
9/b	Z023A115040CL	§ RH SMALL ANTIBRIDGING					
10	Z0230030239	WHEEL PIN FORK	X				
11	Z0230030238-02	WHEEL PIN	X				
12	Z023A115009	ANTIBRIDGING GEAR					
13/a	Z023A115055CL	§ PRODUCT AGITATOR LEFT					
13/b	Z023A115050CL	§ PRODUCT AGITATOR RIGHT					
14	Z023A115006	PRODUCTS CONTAINER					
15/a	Z0230030014CL	§ SPIRAL 18					
15/b	Z0230030013CL	§ SPIRAL 9					
16	KITA115008	§4 PRODUCT CONTAINER EXTEN kit consisting of 4 container extensions					
17/a	Z0230030043R	§ INGREDIENT CHUTE-LEFT RED	X	Y	Y	Y	Y
17/b	Z0230030057R	§ INGREDIENT CHUTE-LEFT ORANGE	X	Y	Y	Y	Y
18/b	Z0230030058R	§ INGRED. CHUTE-RIGHT ORANGE	X	Y	Y	Y	Y
18/a	Z0230030044R	§ INGREDIENT CHUTE-RIGHT RED	X	Y	Y	Y	Y
100	Z023A115005CL	§ CAN. 110 AGIT.18 W/LID-R					
101	Z023A115005CL1	§ CAN. 110 AGIT.18 W/LID-L					
102	Z023A115005CL2	§ CAN. 110 AGIT.9 W/LID-L					
103	Z023A115005CL3	§ CAN. 110 AGIT.9 W/LID-R					

coffee beans container



coffee beans container							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
1	Z023A115020CL	§ COFFEE BEANS COVER					
2	KITA115008	§4 PRODUCT CONTAINER EXTEN kit consisting of 4 container extensions					
3	Z023A115025	MICRO ACTUATOR					
4	Z023A115028	SPRING					
5	Z0230015227TR	GRINDER COVER					
6	Z023A115011	PRODUCTS CONTAINER GASKET					
7	Z023A115003	COFFEE BEANS CONTAINER					
8	Z023A115014	COFFEE/GRINDER ADAPTER BLACK					
9	Z0230015224IC	COFFEE BEANS HOPPER STOPPER					
10	Z023A115026R	LOCKING CLIP 10 pieces Package 10 Pcs					
100	Z023A115004CL1	§ COFFEE BEANS CONTAINER					

RFID CARD READER



RFID CARD READER							
				Preventive Maintenance			
Pos.	Code	Description	Critical	A	B	C	D
1	Z002B223016	RFID SUPPORT					
2	SCH0006261	RFID CARD READER_1	X				
3	VIT0000021	SCREW HEAD TAP CAP M4X6					
4	ELT0030725	CON.CPU-RFID TELEF.4VIE CM140					
100	Z002B223015CL	§ RFID					

The recommended replacement for key parts in the table below, is especially oriented towards machines installed in locations placed far from the headquarter and infrequently visited.

The numbers have been collected on the basis of field experience and should be taken only as a reference. they are subject to change depending on, local operating conditions and therefore must be adapted to local environments.

The replacement numbers are based on a regular maintenance, as described in the technical manual of the respective machine, and also on a good practice of hygienic cleaning and based on using water-filtering systems to avoid high carbonate hardness and bad water quality.

					Preventive Maintenance				Recommended Spare Parts (considering the number of vending machines) (*1)		
Table	Pos.	Code	Description	Critical	A	B	C	D	1-10	11-50	>51
cabinet	16	Z001A115069	GROUND EXPULSION VANE	X							
cabinet	17	Z0010024164-02	GROUND EJECTOR	X					1	2	2
cabinet	23	Z0010027022	TRAP DRAWER REMOVABLE	X					2	4	8
cabinet	26	ELE0002019	SWITCH 16A 250V	X				CK	1	1	1
cabinet	28	Z0270011109IC	SERVICE KEY RAL2011	X					1	2	2
cabinet	34	ELE0001522CL	§ MICROSWITCH + LEVER + FASTON	X					1	1	2
rear cabinet	4	ELE0055008	SUPPLY CABLE+PLUG+SCHUK.SOCKET	X					1	2	2
rear cabinet	6	ELE0002322	MAINS SOCKET 250V 10A	X					1	1	1
rear cabinet	7	ELE0002014CL3	BIPOLAR SWITCH 15A 250V	X					1	1	1
rear cabinet	8	ELE0003508CL	FUSE HOLDER+FUSE 12A	X					2	2	4
rear cabinet	11	ELE0000462	FAN 24V DC-LOW SPEED	X				X	1	1	2
rear cabinet	14	ELE0000461	FAN 24V DC-HIGH SPEED	X	CK	CK	CK	X*	2	2	4
rear cabinet	15	TEOL000001CL5	EXTRACTOR TUBE D.20 200MM	X				X	1	2	2
rear cabinet	16	Z0010027043NA	EXTRACTOR TUBE BLACK	X					1	2	2
rear cabinet	17	SCH0008964-01	CPU/POWER BOARD	X							
rear cabinet	19	Z0090002113	MOTOR 24 DC 97 RPM	X				X	1	2	2
DOOR	25	SER0000028	LOCK MM20 + KEY 3480	X					1	1	2
LIGHTING GLASS	1/a	103A115600CLR	§FRONT SHOWCASE+KEYB.SUP.BLACK	X							
LIGHTING GLASS	2	SCHA115001	4,3" GPU LCD	X							
LIGHTING GLASS	3	SCHA115010	LABELS LIGHTING BOARD	X							
mixer plan	5	Z0080100043CL	§ MIXER CONNECTOR+OR	X					1	1	1

					Preventive Maintenance				Recommended Spare Parts (considering the number of vending machines) (*1)		
Table	Pos.	Code	Description	Critical	A	B	C	D	1-10	11-50	>51
mixer plan	8	Z0070035010CL	§ DRIP TRAY SENSOR SUPPORT	X					1	2	3
mixer plan	11	Z002A115151NA	HOLDER PIPES PRODUCTS	X							
mixer plan	13	Z0020039539R	§ SPOUT DELIVERY D.4	X					1	2	2
mixer plan	14	Z0010020052	PRODUCT NOZZLE	X	Y	Y	Y	Y	2	4	6
mixer plan	15	Z0020039533	SPOUT DELIVERY 30° D.6	X					1	2	2
mixer plan	16/a	TSIL06/09TC-10	SILICON HOSE 5,6X8,8 MT.10	X	Y	Y	Y	Y	1	1	2
mixer plan	17/a	TSIL06/11T-10	SILICON HOSE 6X11 MT.10	X	Y	Y	Y	Y	1	1	2
mixer plan	18/a	TSIL04/06T-10	SILICON HOSE 4X6 MT.10	X	Y	Y	Y	Y	1	1	2
mixers	1	GUA0000084	OR 3131 RED SILICONE A60	X	Y	Y	Y	Y	10	20	20
mixers	3	Z0080100009IC	MIXER MOTOR SUPPORT RAL2011	X					1	2	2
mixers	4	Z0080100011	MIXER FAN	X	CK	Y	Y	Y	10	20	20
mixers	5	Z0080100102	MIXER SHAFT GASKET	X	CK	Y	Y	Y	1	1	2
mixers	6	Z0080100015	MIXER BUSH	X					5	10	10
mixers	9	Z0090003023	MIXER MOTOR 24V DC SHAFT D.4	X				X	5	10	10
mixers	11/a	Z0080200101L	MIXING BOWL L.W/H20 BREAKER	X					1	1	2
mixers	11/b	Z0080200103C	MIXING BOWL F.W/H20 BREAKER	X					1	1	2
mixers	12	Z0080100006IC	LOCK RING RAL2011	X					5	10	10
mixers	100	Z0080100001R	§ MIXER BOWL BASE+MOTOR	X					5	10	10
PRO BREWER SUPPORT+MOTOR	2	ELE0001522	MICROSWITCH	X					1	2	2
PRO BREWER SUPPORT+MOTOR	6	ELE0000931	PROBE NTC 10K/TE	X					1	1	2
PRO BREWER SUPPORT+MOTOR	10	ELE0000467-02	FAN HEATER 24V DC + BOARD	X					1	1	2
PRO BREWER SUPPORT+MOTOR	16	TTEF02/04T	PTFE PIPE 2X4	X	Y	Y	Y		1	1	1
PRO BREWER SUPPORT+MOTOR	19	GUA0000061	OR 2010 VITON 80 BLACK	X	CK	CK	X	X	1	2	2
PRO BREWER SUPPORT+MOTOR	20	Z0090002250R	§ VARIFLEX BREW. GEARBOX MOTOR	X			CK	X	1	1	2
PRO BREWER SUPPORT+MOTOR	29	VIT0009324	BEARING	X					1	1	2
PRO BREWER SUPPORT+MOTOR	30	VIT0009320	BEARING	X				CK	1	1	2
PRO BREWER SUPPORT+MOTOR	100	Z0250014086R	§ WATER INLET TUBE 0,15 mt	X	CK	Y	Y	Y	1	1	2
PROFESSIONAL BREWER GROUP D.45	A	Z0250014008R	§ CHUTE D. 45	X					1	1	2
PROFESSIONAL BREWER GROUP D.45	1	Z0250014081	SPRING	X					1	2	2
PROFESSIONAL BREWER GROUP D.45	B	Z0250014022R	§ INFUSION CHAMBER D.45	X							
PROFESSIONAL BREWER GROUP D.45	C	Z0250014024R	§ BRUSH D.45	X	X	X	X	X	1	2	2
PROFESSIONAL BREWER GROUP D.45	D	Z0250014028R	§ LOWER FILTER HOLDER D.45	X							
PROFESSIONAL BREWER GROUP D.45	3	GUA0000097	OR 4131 RED SILICONE LSR70	X	CK	Y*	Y*	Y*	1	2	2
PROFESSIONAL BREWER GROUP D.45	4	Z0250014029	COFFEE FILTER DIAM. 37.3	X	CK	Y	Y	Y	1	2	2
PROFESSIONAL BREWER GROUP D.45	7	GUA0000103	OR 3075 SILICON	X	CK	Y*	Y*	Y*	1	2	2
PROFESSIONAL BREWER GROUP D.45	F	Z0250014045R	§ UPPER FILTER HOLDER D.45	X							
PROFESSIONAL BREWER GROUP D.45	10	Z0250008211	COFFEE FILTER 37,3	X	CK	Y	Y	Y	1	2	2
PROFESSIONAL BREWER GROUP D.45	12	GUA0000045	OR 108 VITON 80 BLACK	X	CK	Y*	Y*	Y*	1	2	2
PROFESSIONAL BREWER GROUP D.45	13	GUA0000097	OR 4131 RED SILICONE LSR70	X	CK	Y*	Y*	Y*	1	2	2
PROFESSIONAL BREWER GROUP D.45	14	Z0250014048	SPRING	X	CK	X2	X2	X2	2	4	4
PROFESSIONAL BREWER GROUP D.45	17	GUA0000004	OR 104 NBR AL 75 BLACK	X	CK	X	X	X	1	2	2
PROFESSIONAL BREWER GROUP D.45	H	Z0250014020R	§ INFUSION CHAMBER D.45	X							
PROFESSIONAL BREWER GROUP D.45	19	VIT0009320	BEARING	X				CK	1	1	2
PROFESSIONAL BREWER GROUP D.45	30	VIT0009318	SPACER WASHER	X				CK	2	2	4
PROFESSIONAL BREWER GROUP D.45	31	VIT0009317	BEARING	X				CK	2	2	4

					Preventive Maintenance				Recommended Spare Parts (considering the number of vending machines) (*1)		
Table	Pos.	Code	Description	Critical	A	B	C	D	1-10	11-50	>51
PROFESSIONAL BREWER GROUP D.45	32	GUA0001007	V RING GASKET VA16	X				CK	1	1	2
PROFESSIONAL BREWER GROUP D.45	N	Z0020039539R	§ SPOUT DELIVERY D.4	X					1	2	2
PROFESSIONAL BREWER GROUP D.45	100	Z0250014000CL	COFFEE BREWER VARIFLEX D 45	X					1	2	2
PROFESSIONAL BREWER GROUP D.36	A	Z0250014033R	§ CHUTE D. 36	X					1	1	2
PROFESSIONAL BREWER GROUP D.36	1	Z0250014081	SPRING	X					1	2	2
PROFESSIONAL BREWER GROUP D.36	B	Z0250014032R	§ INFUSION CHAMBER D.36	X							
PROFESSIONAL BREWER GROUP D.36	C	Z0250014034R	§ BRUSH D.36	X	X	X	X	X	1	2	2
PROFESSIONAL BREWER GROUP D.36	D	Z0250014038R	§ LOWER FILTER HOLDER D.36	X							
PROFESSIONAL BREWER GROUP D.36	3	GUA0000080	OR 4112 RED SILICONE LSR70	X	CK	Y*	Y*	Y*	1	2	2
PROFESSIONAL BREWER GROUP D.36	4	Z0250008019	COFFEE FILTER	X	CK	Y	Y	Y	1	2	2
PROFESSIONAL BREWER GROUP D.36	7	GUA0000103	OR 3075 SILICON	X	CK	Y*	Y*	Y*	1	2	2
PROFESSIONAL BREWER GROUP D.36	F	Z0250014040R	§ UPPER FILTER HOLDER D.36	X							
PROFESSIONAL BREWER GROUP D.36	10	Z0250008099	COFFEE FILTER 33,4	X	CK	Y	Y	Y	1	2	2
PROFESSIONAL BREWER GROUP D.36	12	GUA0000045	OR 108 VITON 80 BLACK	X	CK	Y*	Y*	Y*	1	2	2
PROFESSIONAL BREWER GROUP D.36	13	GUA0000080	OR 4112 RED SILICONE LSR70	X	CK	Y*	Y*	Y*	1	2	2
PROFESSIONAL BREWER GROUP D.36	14	Z0250014048	SPRING	X	CK	X2	X2	X2	2	4	4
PROFESSIONAL BREWER GROUP D.36	17	GUA0000004	OR 104 NBR AL 75 BLACK	X	CK	X	X	X	1	2	2
PROFESSIONAL BREWER GROUP D.36	H	Z0250014030R	§ CHAMBER D.36	X							
PROFESSIONAL BREWER GROUP D.36	19	VIT0009320	BEARING	X				CK	1	1	2
PROFESSIONAL BREWER GROUP D.36	30	VIT0009318	SPACER WASHER	X				CK	2	2	4
PROFESSIONAL BREWER GROUP D.36	31	VIT0009317	BEARING	X				CK	2	2	4
PROFESSIONAL BREWER GROUP D.36	32	GUA0001007	V RING GASKET VA16	X				CK	1	1	2
PROFESSIONAL BREWER GROUP D.36	N	Z0020039539R	§ SPOUT DELIVERY D.4	X					1	2	2
PROFESSIONAL BREWER GROUP D.36	100	Z0250014060CL	§ COFFEE BREWER VARIFLEX D.36	X					1	2	2
ESPRESSO boiler support	3	Z0110001151R	VALVE 3W W/BY-PASS 11BAR	X		CK	X*		1	2	3
ESPRESSO boiler support	4/a	Z0110004065	PUMP PLUS PGØ7 230V-50HZ	X		CK	X		1	2	2
ESPRESSO boiler support	4/b	Z0110004067	PUMP EP5 220V 60HZ	X		CK	X		1	2	2
ESPRESSO boiler support	5	ELE0000915	PUMP THERMOPROTECTOR	X					1	1	1
ESPRESSO boiler support	6	Z0110004023	CONNECTOR	X					1	2	2
ESPRESSO boiler support	7/a	TSIL05/08T-10	SILICON HOSE 5X8 MT.10	X	Y	Y	Y	Y	1	1	2
ESPRESSO boiler support	8	Z0100003022	T CONNECTOR 461 TS UL	X					2	1	2
ESPRESSO boiler support	10	GUA0000043	OR 109 NBR AL 75 BLACK	X				X	2	2	4
ESPRESSO BOILER STAINLESS STEEL 400CC	1	Z0600019701CL	§ BOILER 1500 W 230V 400 CC	X		CK	CK	CK	1	1	2
ESPRESSO BOILER STAINLESS STEEL 400CC	4	ELE0000982	CLIXSON 127°	X					2	4	6
ESPRESSO BOILER STAINLESS STEEL 400CC	7	ELE0000975	PROBE	X	CK	CK	CK	CK	1	2	2
ESPRESSO BOILER STAINLESS STEEL 400CC	12	TTEF04/06T	PTFE PIPE 4X6	X	Y	Y	Y	Y	1	1	1
ESPRESSO BOILER STAINLESS STEEL 400CC	17	Z0600019017	TAP M/F 1/8	X	CK	CK	CK	CK	1	1	2
ESPRESSO BOILER STAINLESS STEEL 400CC	21	Z0110001124	VALVE 3W 1/8 24V DC 8W	X		CK	X*		1	2	3
ESPRESSO BOILER STAINLESS STEEL 400CC	22	Z0110001117	VALVE BLOCK 3V 2W 24V DC 7W	X		CK	X*		1	2	3
GRINDER	3	VIT0009325	BEARING	X				CK	1	1	2
GRINDER	4	Z0320001608R	TRANSMISSION WHEEL	X				CK	1	2	2
GRINDER	7	Z0320001704	GRINDER ROTATION PIN REINFORCE	X		CK	CK	CK	10	20	20
GRINDER	8	Z0320001636	EJECTOR	X			CK		1	1	2
GRINDER	10	Z0320001680	CONIC BLADES PLUS	X		CK		X	1	1	2
GRINDER	16	GUA0000124	SILICONE OR 2137	X		X			1	2	2

					Preventive Maintenance				Recommended Spare Parts (considering the number of vending machines) (*1)		
Table	Pos.	Code	Description	Critical	A	B	C	D	1-10	11-50	>51
GRINDER	24	Z0090003047	GRINDER MOTOR 230V DC	X				CK	1	2	2
GRINDER	27	Z0320004736-04	GRINDER CHUTE R.2011	X					1	2	4
GRINDER	100	Z0320001601CL3AL	§GRINDER VRFX 15° BREWER PLUS	X				CK	1	2	2
GRINDER	101	Z0320001601CL3CAL	§GRINDER VRFX 15° PREGR.PLUS	X				CK	1	2	2
water inlet panel	3	Z0800013046	AIR BREAK WASTE FLOAT	X					1	1	2
water inlet panel	4	GUA0000082	SILICON GASKET D.6	X		CK		CK	1	2	2
water inlet panel	7	ELE0001514	MICROSWITCH 3A 125-250VA	X			CK	X	1	2	2
water inlet panel	8	Z0110007003	VOLUMETRIC COUNTER	X	CK	CK	CK	X	1	1	2
water inlet panel	9	Z0600016455	H2O OUTLET PLUG	X					1	1	2
water inlet panel	10	Z0110001058	WATER INLET VALVE 24V DC	X		CK		X	1	2	3
water inlet panel	11	Z0110020007	PLASTIC FILTER DIAM. 20	X			X		1	1	1
water inlet panel	12	GUA0000043	OR 109 NBR AL 75 BLACK	X				X	2	2	4
water inlet panel	13	Z0800009211	ELBOW CONNECTOR	X				X	1	1	2
water inlet panel	16/a	TSIL07/11T-10	SILICON HOSE 7X11 MT.10	X	Y	Y	Y	Y	1	1	2
water inlet panel	17/a	TSIL06/11T-10	SILICON HOSE 6X11 MT.10	X	Y	Y	Y	Y	1	1	2
water inlet panel	18/a	TSIL04/06T-10	SILICON HOSE 4X6 MT.10	X	Y	Y	Y	Y	1	1	2
products container	5	Z0230030011	REAR BUSH	X			CK	X	1	1	1
products container	7	GUA0000083	OR 123 RED SILICONE A70	X		CK		X	2	2	4
products container	10	Z0230030239	WHEEL PIN FORK	X					2	2	4
products container	11	Z0230030238-02	WHEEL PIN	X					1	1	2
products container	17/a	Z0230030043R	§ INGREDIENT CHUTE-LEFT RED	X	Y	Y	Y	Y	1	1	2
products container	17/b	Z0230030057R	§ INGREDIENT CHUTE-LEFT ORANGE	X	Y	Y	Y	Y	1	2	2
products container	18/b	Z0230030058R	§ INGRED. CHUTE-RIGHT ORANGE	X	Y	Y	Y	Y	1	2	2
products container	18/a	Z0230030044R	§ INGREDIENT CHUTE-RIGHT RED	X	Y	Y	Y	Y	1	1	2
RFID CARD READER	2	SCH0006261	RFID CARD READER_1	X					1	1	1