

OPERATION AND INSTRUCTION MANUAL

GRANITA MACHINE

Models:

Ref.:SL900491241

GB – 110 FF

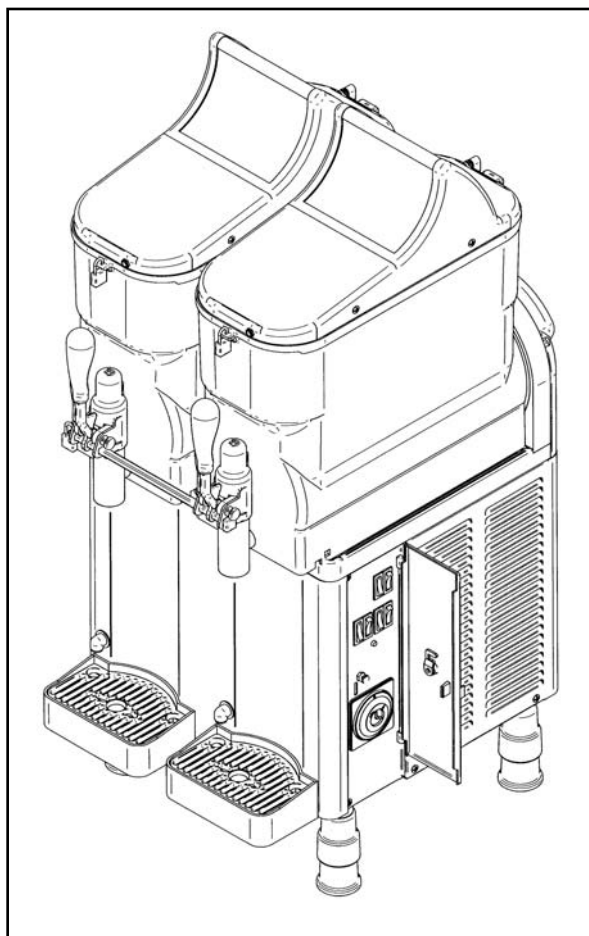
Ref.:SL900491242

GB – 220 FF

Ref.:SL900491243

GB – 330 FF

115 V. – 60 Hz.



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All technical data, pictures and drawings contained in this operation manual are not binding on the manufacturer, nor can the manufacturer be held liable for any modification to the dispenser in part or completely.

REMINDER

The Kasper & Co. APS ® slush machines meet essential health and safety requirements for machines as set forth in Council Directive 89/392/EEC, have the respective "Release Certificate", and are, therefore, authorised to be marked "EC".

In Point 1.7.3, the Council Directive mentioned requires that:

"Each machine shall be legibly and indelibly labelled with at the least the following indications:

- name and address of the manufacturer;*
- the mark 'EC' which includes the year of manufacturer (see Appendix III);*
- designation of the series and model;*
- serial number, if it exists."*

Before removing the protective panels housing the machine, it must be unplugged from the electric mains. If the machine has been running, it is advisable to wait at least 20 minutes before removing the panels to give the compressor's high pressure tube time to cool down.

UNPACKING

After lifting the box off the machine, remove the styrofoam from the sides of the machine, the four plastic legs, and all technical manuals found inside the bowl.

VERY IMPORTANT: The packaging material is not a toy. Keep it out of reach of children. The plastic bags can cause asphyxia. The packaging material can be 100% recycled. Contribute to environment protection, dumped it in specific containers.

SETTING-UP

Place the machine at the desired location. Make sure that there is enough space for ventilation on both sides (about 8" on each side).

To ensure the highest quality in the shipping of your unit, we have left the plastic on both the unit and the drip trays for protection against scratching in transit. **Please remove before operating your machine.**

Hang drip pans on the front of the unit.

Clean the bowl with water and a non-abrasive neutral pH soap. In order to avoid scratches, use a cloth or a sponge. Then rinse thoroughly.

Before connecting power to the machine, check the label on the back of the machine to verify the voltage and amperage draw of the unit and then do the same for the electrical outlet.

FAMILIARIZING YOURSELF WITH THE CONTROLS

On the right side of the machine are the following switches. (Figure 1)

Main Power ⚡

“0” Position: Off position. Power is turned off to all functions.

“I” Position: On position. Machine has power.

Display light 💡

“0” Position: Lights are off.

“I” Position: Lights are on.

Agitator Switch ↻

“0” Position: Agitator is off.

“I” Position: Agitator is on.

Cooler Switch ❄️ / 💧

“0” Position: Off position.

“I” Position: Cool drink mode. 💧

“II” Position: Slush mode. ❄️

Compressor green light 🟢

If the compressor green light is on, the compressor is working

Automatic defrost / standby timer . (Figure 2)

This timer will automatically switch your dispenser from the frozen drink to the chilled drink mode. This timer can be programmed to switch the machine at any time of the day or night. The standard settings are:

- Switch to chilled from frozen – 11:00 PM
- Switch to frozen from chilled – 9:00 AM
- For all seven days of the week.

Find detailed programming instructions on page 13.

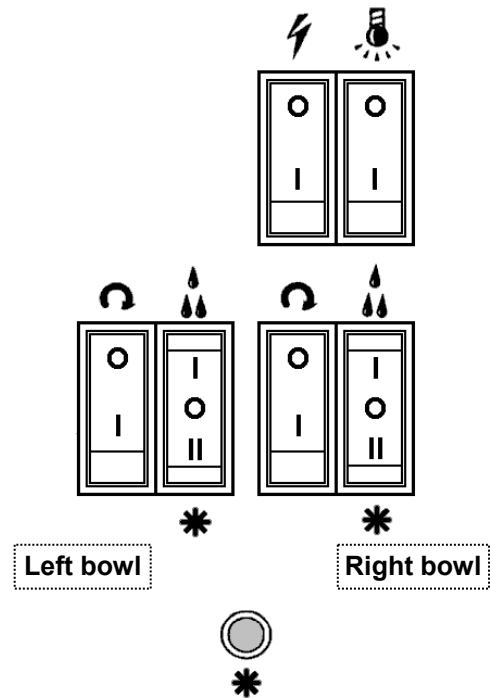


Figure 1

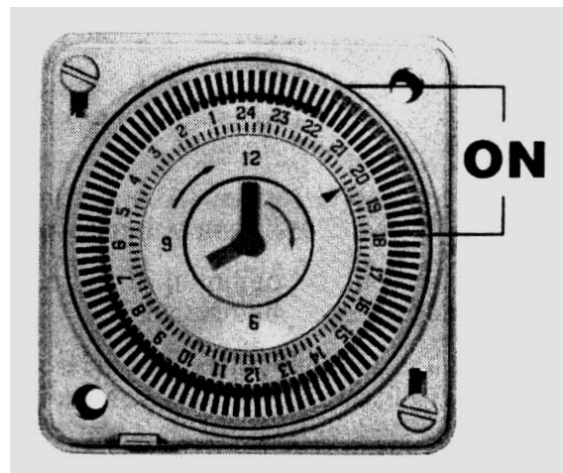


Figure 2

CLEANING & SANITIZING INSTRUCTIONS

CLEAN & SANITIZE DISPENSER AT LEAST EVERY THREE DAYS OR AS REQUIRED BY LOCAL REGULATORY AGENCY. SOME PRODUCTS MAY REQUIRE MORE FREQUENT SANITIZING.

WHY MUST THE DISPENSER BE SANITIZED? Once the Syrup is removed from it's original container and poured into the Dispenser bowl, it is possible for airborne bacteria and other micro-organisms to enter the product. Over a period of time, this can affect flavour quality and possibly even represent a health hazard. Regular Cleaning and Sanitizing with an approved Sanitizing agent will prevent this. It is extremely important to follow instructions exactly.

PREPARATIONS FOR SANITIZING. Tips to minimize product waste and sales interruption:

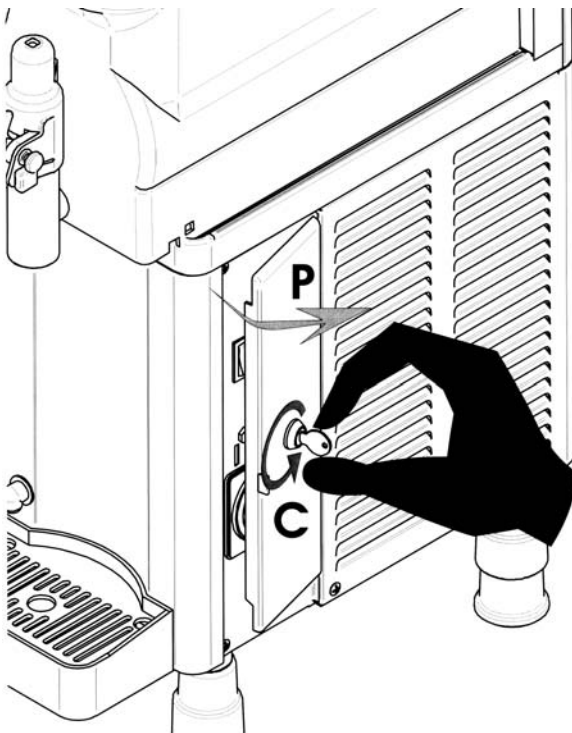
1. Plan ahead to Sanitize the Dispenser during a *slow time of the day*. Performing the process *before opening for business or after closing* is ideal.
2. Let the product level "run down" from selling just before the Sanitizing time. *This minimal amount of product MUST be discarded for Sanitizing to be effective.*
3. Allow enough time after Sanitizing and re-filling for product to freeze back (about 1 ½ hours).

CLEANING & SANITIZING. Process should be performed on **ONE BOWL at a TIME.**

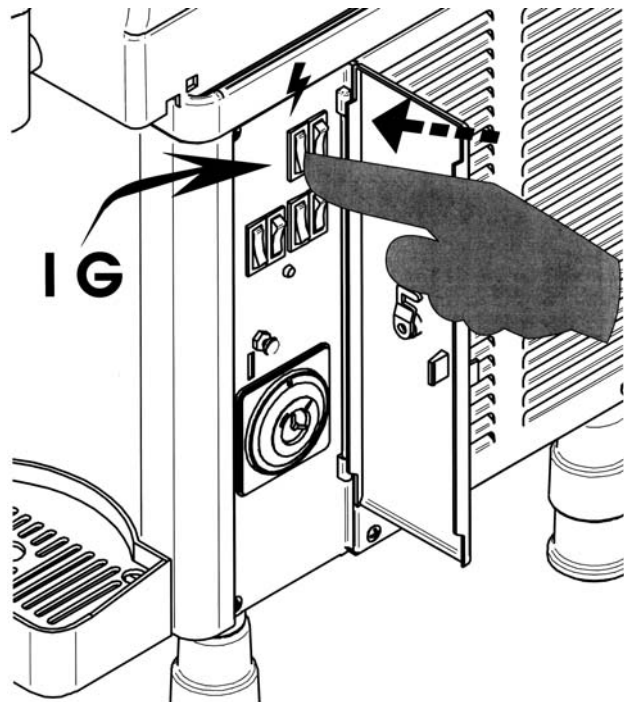
VERY IMPORTANT: *The daily cleaning of the parts in contact with the product is recommended. They must always be cleaned when filling up the machine with new product.*

DISASSEMBLY AND CLEANING

1 DISCONNECTING THE MACHINE

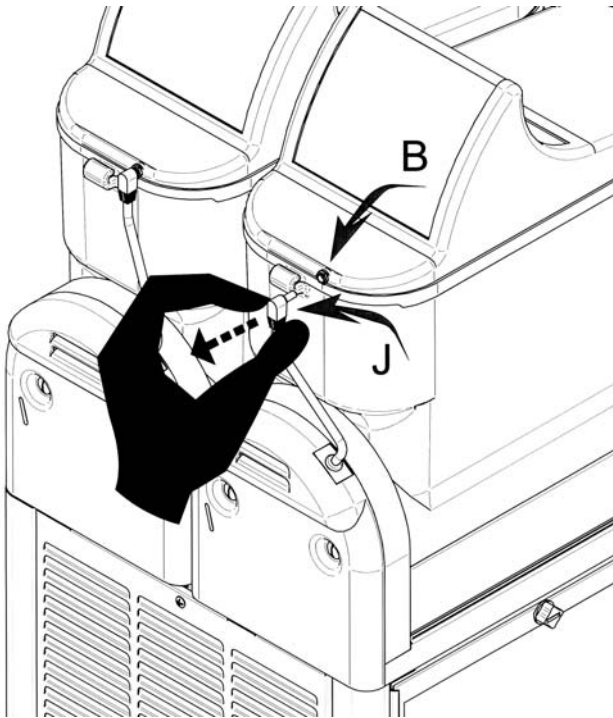


1.1. Rotate the key (C) and open the door (P).



1.2. Press the general switch (IG) to disconnect the machine.

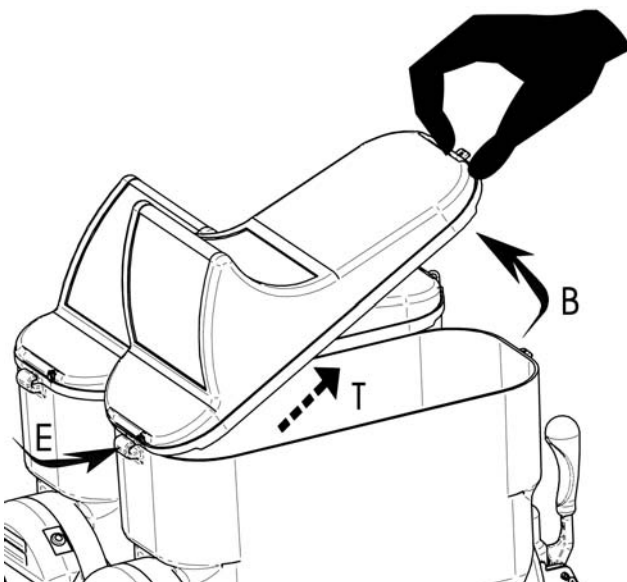
2 DISASSEMBLY AND CLEANING THE COVER



2.1. Unplug the jack (J) of the socket (B).



2.2. Open de padlock (C) and remove it.



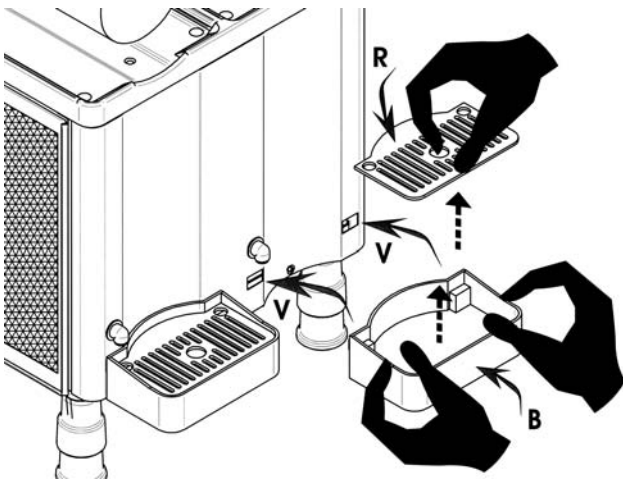
2.3. Lift the cover tilting (B) behind and throw (T) to take it out of their fitting (E).



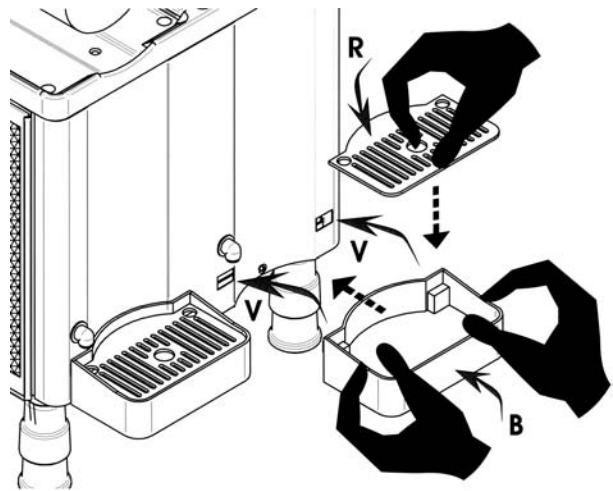
2.4. Wash the inferior part of the base (B), wash the external part (E).

VERY IMPORTANT: Don't put the cover inside a recipient with water or under of the faucet, it contains electric parts.

3 DISASSEMBLY AND CLEANING THE DRIP TRAY(S)

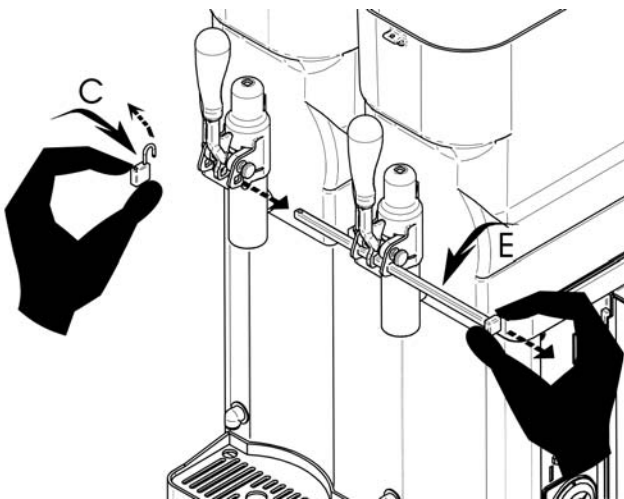


3.1. Take away the screen (R), take out the tray leak (B) of the windows (V) lifting it up and throwing getting it with the hands ahead.

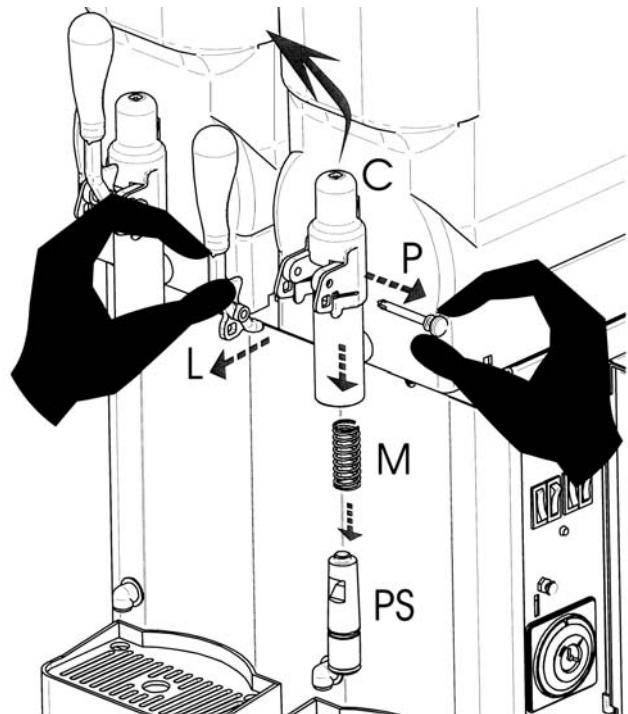


3.2. Put the screen (R) inside the leak tray (B), introduce the back hooks of the tray in the windows (V) and push lightly down.

4 DISASSEMBLY THE FULL TAP PULL

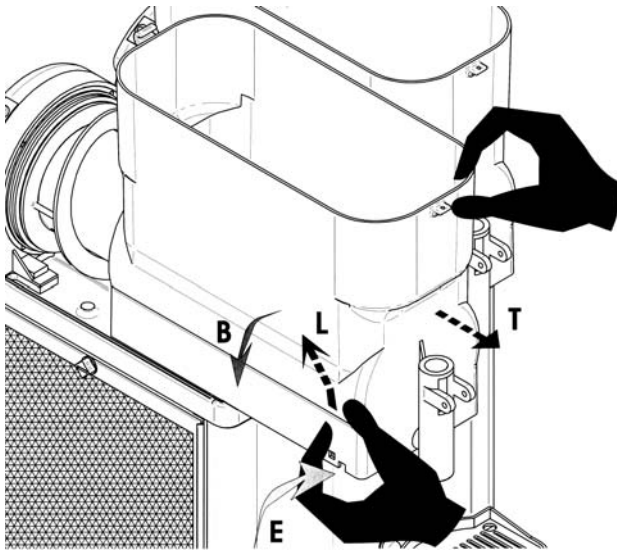


4.1. Open the padlock (C), remove it and throw of the rod (E) to take out it.

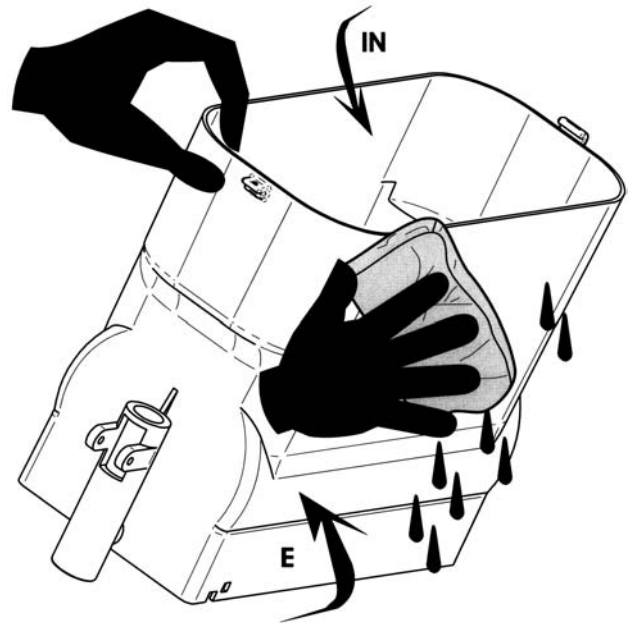


4.2. Throw of the fastener (P), remove the cam (L), take out the cap (C), take out the piston (PS) pushing with the finger down and it will go out with the spring (M).

5 DISASSEMBLY AND CLEANING THE BOWL



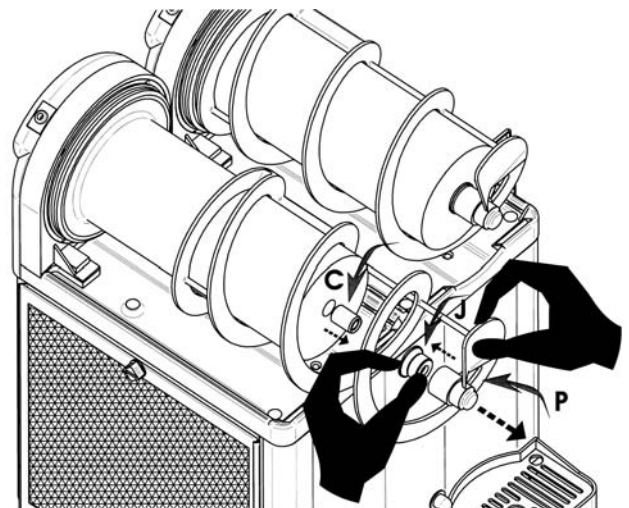
5.1. Take the bowl with the two hands, raise it up (L) to take out the notches (E) of the tray (B) and throw (T) forward.



5.2. Wash the bowl for the interior (IN) and the exterior (E) with a cloth or sponge and neuter detergent not abrasive, rinse with abundant water.

6 DISASSEMBLY THE SPIRAL BLADE AND JOINTS

6.1. Throw of the spiral shovel (P) forward, remove him the joint (J) and take out the bushing (C) of the evaporator.



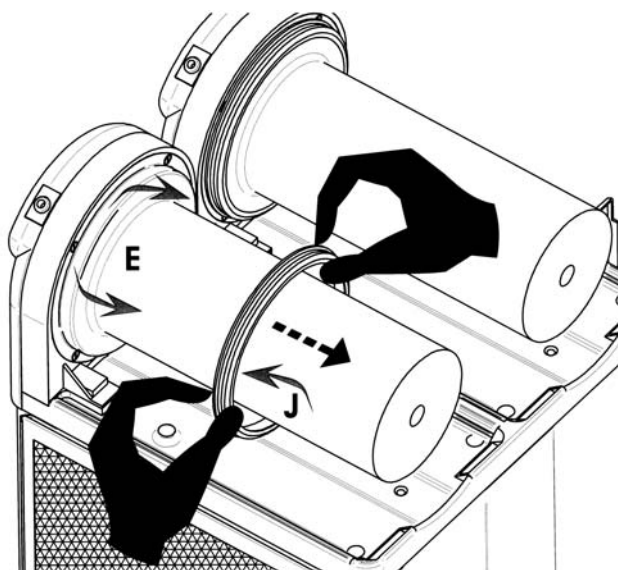
7 CLEANING THE SPIRAL BLADE

7.1. Clean the spiral shovel and the lodging (A).



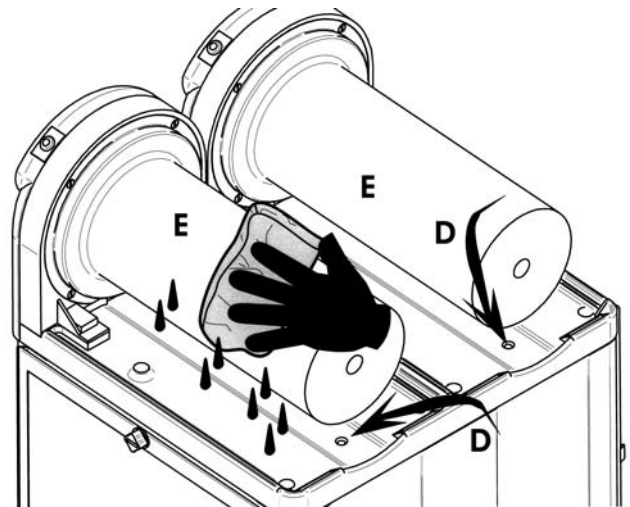
8 DISASSEMBLY THE TANK GASKET

8.1. Remove the joint bowl (J) of the evaporator (E) with the hands.

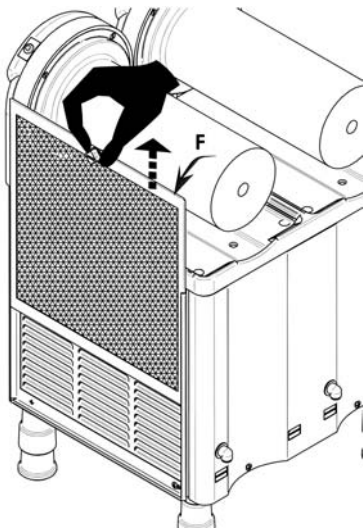


9 CLEANING THE EVAPORATOR

9.1. Wash the evaporator (E) with a cloth or sponge, clean the drainage holes (D) and the tray, rinse with abundant water.



10 DISASSEMBLY AND CLEANING THE FILTER



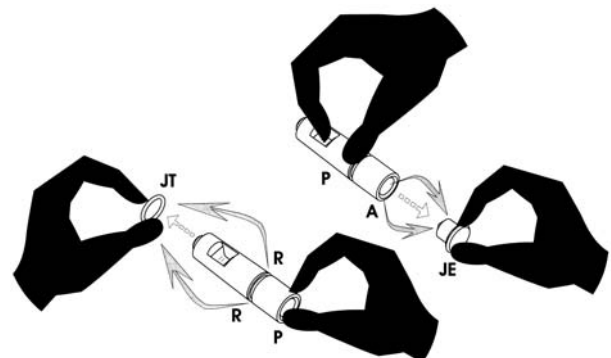
10.1. Get the filter (F) and throw up to take it out of their guide.



10.2. Clean the external filter with a brush or with air to pressure, wash it with a cloth or sponge and neuter detergent, rinse with water and dry them.

11 DISASSEMBLY THE PISTON JOINTS

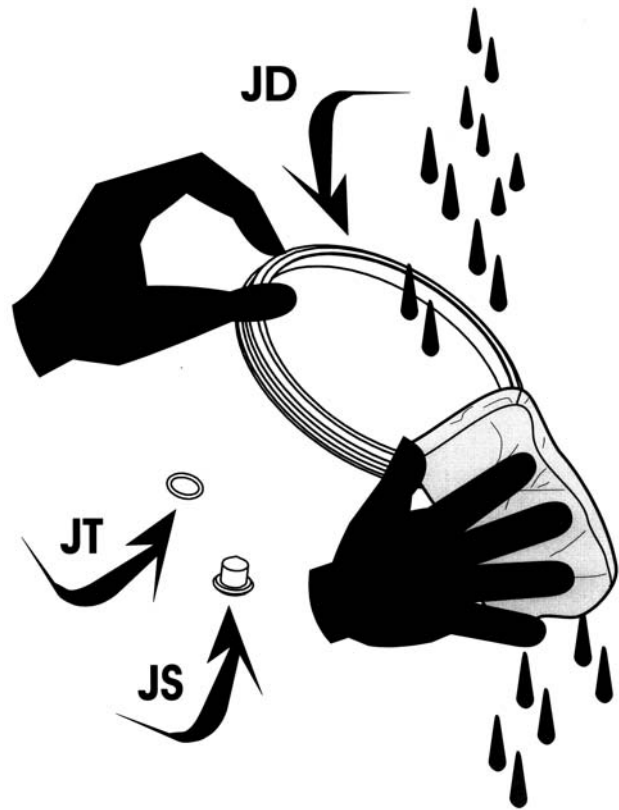
11.1. Remove the O-ring (JT) of the piston (P) taking it out of their groove (R), take out the special joint (JE) of their lodging (A).



12 CLEANING THE TAP PISTON AND JOINTS



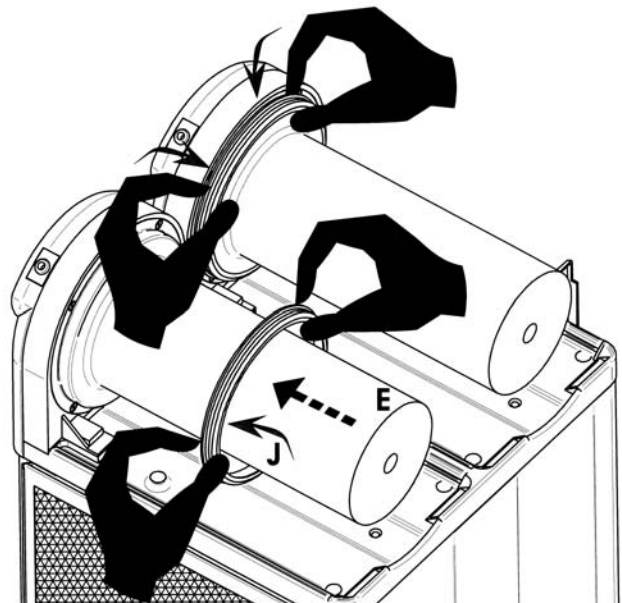
12.1. Wash the piston faucet, clean the groove (IN), the hole (E) and rinse with abundant water.



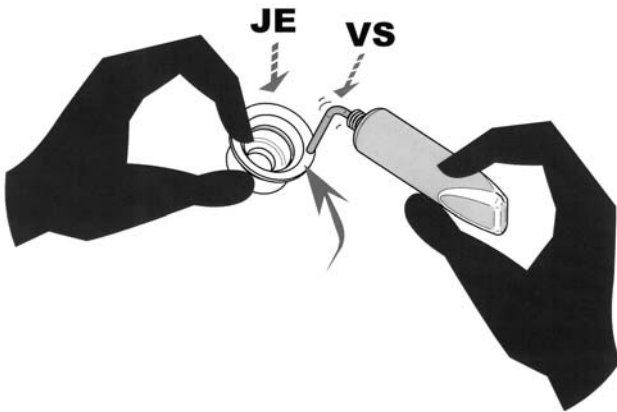
12.2. Wash the joint bowl (JD), the O-ring (JT) and the special joint (JS) without damaging them, rinse with abundant water and dry them.

13 ASSEMBLY THE TANK GASKET

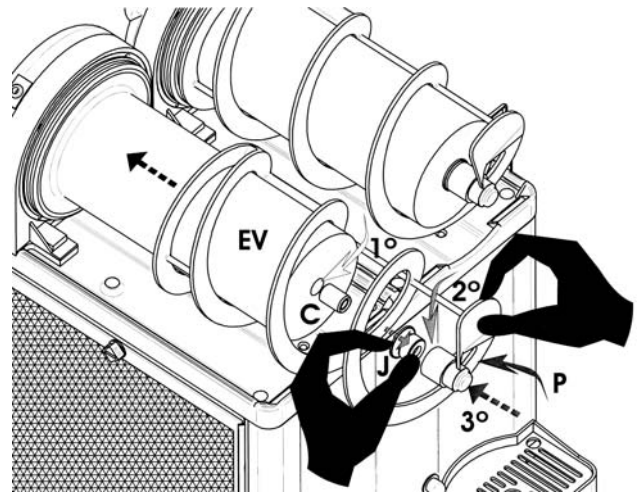
13.1. Put the joint bowl (J) in the evaporator (E) stretching lightly with the two hands, in the bottom.



14 MOUNTING THE SPIRAL



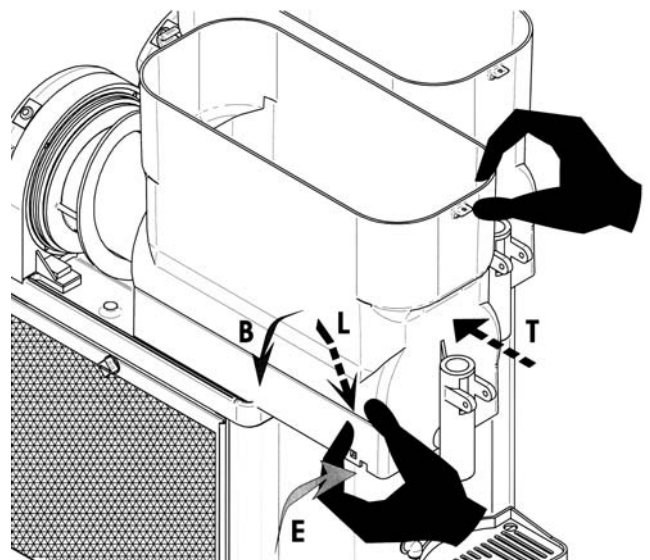
14.1. Lubricate rubber seal (**JE**). Apply a small amount of approved food grade lubricant (**VS**) to the inside cupped area of the seal. Spread it evenly around the area.



14.2. Introduce the bushing (**C**) in the hole (**1°**) of the evaporator (**EV**), put the joint (**J**) in their lodging (**2°**), introduce the spiral shovel (**P**) and push the head (**3°**) until it fits in the shaft rotating lightly.

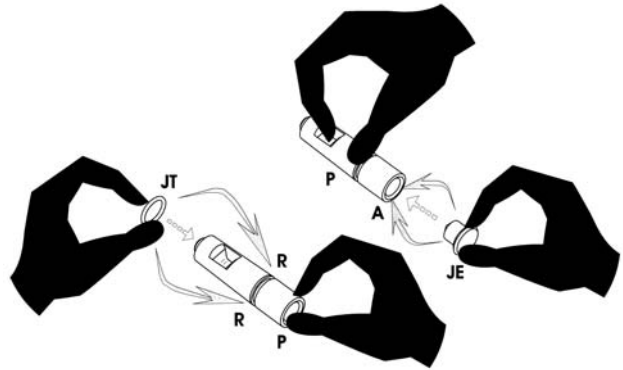
15 MOUNTING THE BOWL

15.1. Get the bowl, with the hands to introduce it (**E**) in the evaporator until the bottom, to lower it (**L**), fit the notch (**E**) in the tray (**B**).



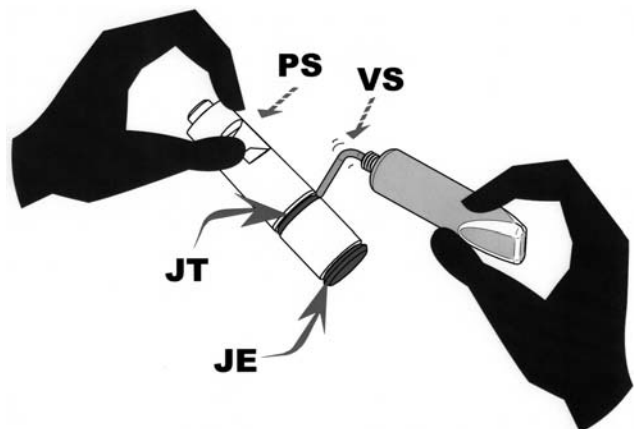
16 ASSEMBLY THE PISTON JOINTS

16.1. Mount the O-ring (**JT**) in the groove (**R**) without damaging it, put the special joint (**JE**) in their lodging (**A**) rotating lightly in both senses and put some vaseline to the joints.



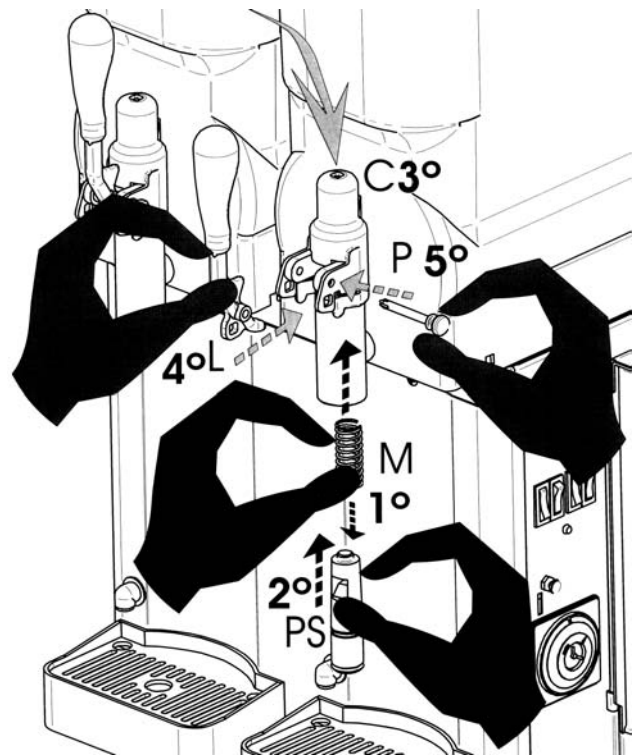
17 LUBRICATING THE PISTON JOINTS

17.1. Lubricate dispensing valve piston (**PS**) by applying a small amount of food grade lubricant (**VS**) onto each o-ring (**JT**) (**JE**). Spread lubricant evenly around the o-rings (**JT**) (**JE**).

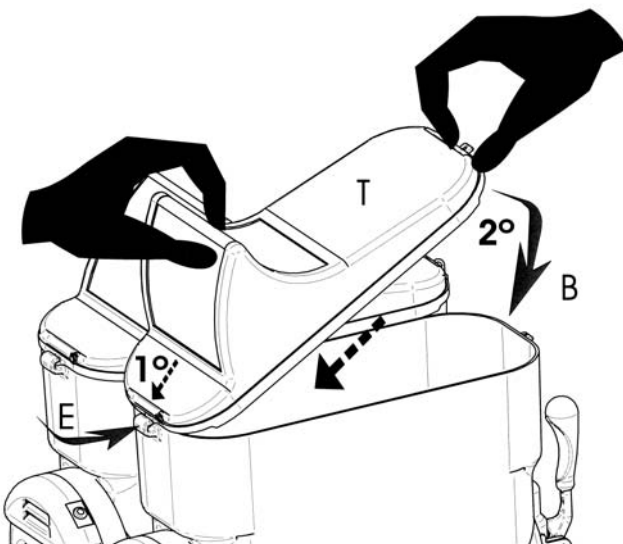


18 ASSEMBLY THE FULL TAP PULL

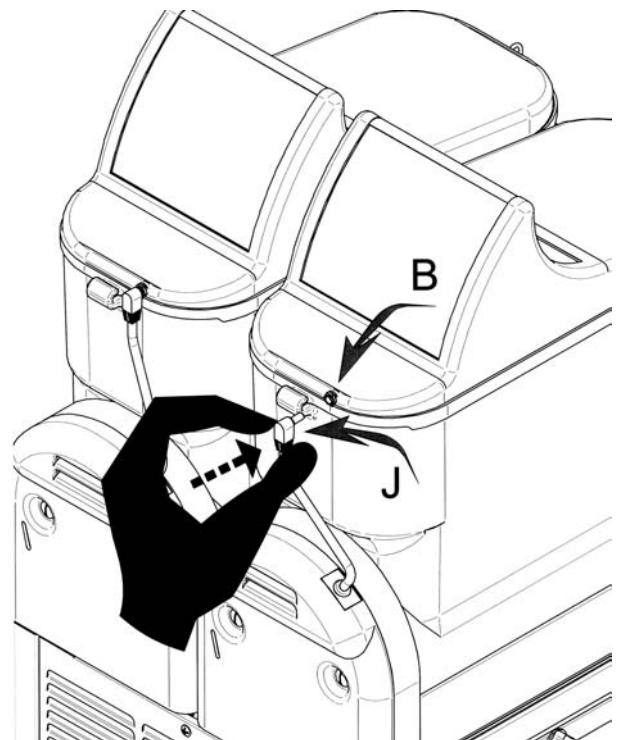
18.1. Put (1°) the spring (M) above the piston (PS) and introduce them (2°) in the pipe of the faucet for below, put (3°) the cap (C), put (4°) the cam (L) and introduce (5°) the fastener (P) for the holes of the cap (C).



19 ASSEMBLY THE COVER



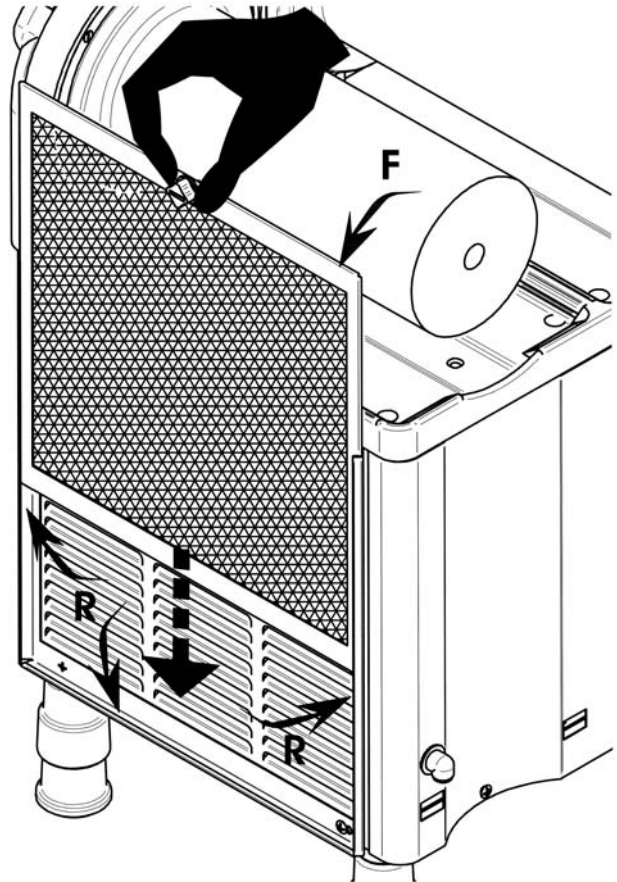
19.1. Fit (1°) the nipple of the cover base (T) in it lodging (E), fall (2°) the cover (T) on the bowl (B).



19.2. Plug the plug-in (E) in the socket (B) of the machine.

20 MOUNTING THE FILTER

20.1. Introduce the filter (F) in the grooves (R) until below.

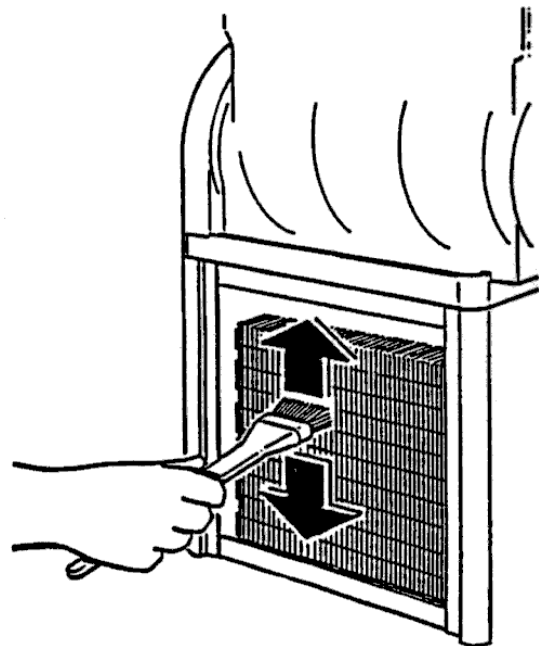


21 CLEANING THE CONDENSER

21.1. At least once a month, depending on the working conditions (presence of dust, grease, etc.) we recommend to clean the condenser.

First of all, you need to disassemble the left side panel (2, 3 and 4 bowl model), or the back panel (1 bowl model), by unscrewing them.

Brush off dust and dirt with a soft-bristled brush. Be careful not to damage the ribs.



HOW TO OPERATE

1. Once the bowl has been cleaned and sanitized, fill the mix tank with the desired liquid product (3 gallons maximum). Do not overfill the tank. **NOTE THAT WHEN READY, SLUSH OCCUPIES MORE VOLUME THAN THE LIQUID (approximately 3.5 gallons of slush for 3 gallons of liquid).**
2. If using natural products as a base (coffee, lemon juice, orange juice, etc.), it is required that 5 to 7 oz. of sugar per gallon be added. If using a concentrate, follow the mixing instructions from the supplier. In general the mix ratio (sugar content) of the product solution (liquid mix) should not be less than 11.
3. To access to switches and timer, open the switch panel cover by pushing on the side (arrow **A**) and pulling (arrow **A'**) (Fig. 3).

To close the cover (arrow **B'**), push on the front (arrow **B**) until the clear plastic part (1) snaps closed (Fig. 4).

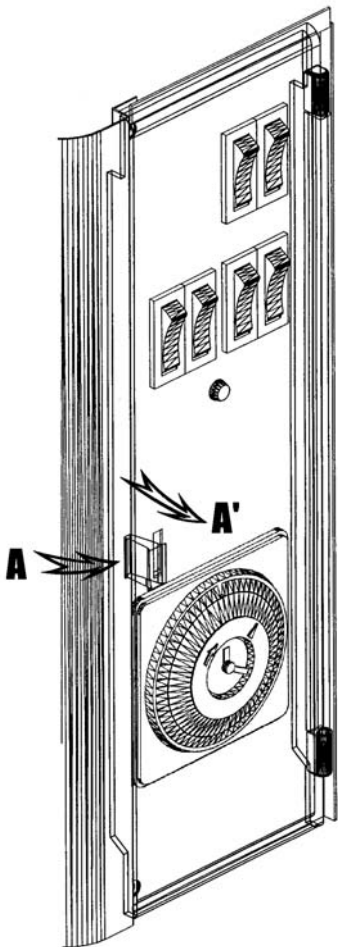


Figure 3

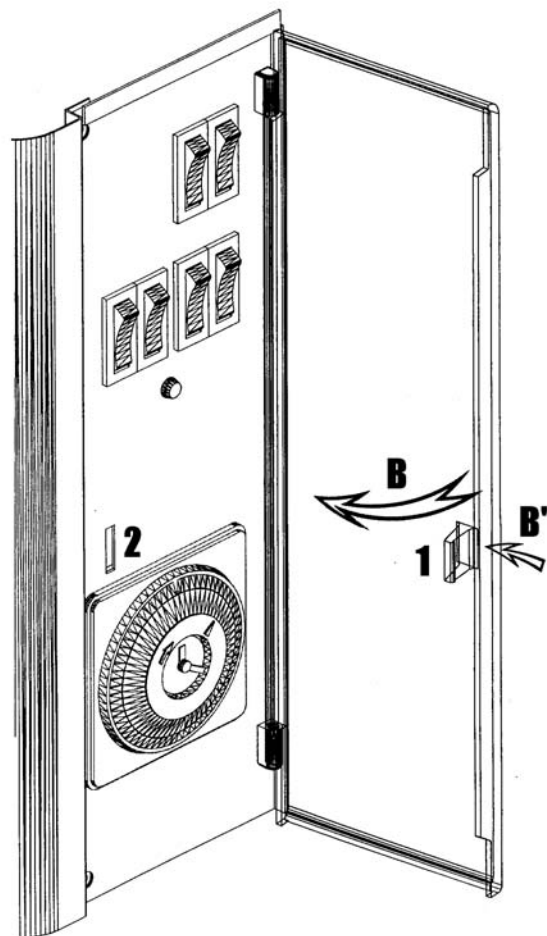


Figure 4

HOW TO OPERATE (cont'd)

4. To operate, press main power switch and agitator switch to **ON** position (Figure 5). **NOTE: The agitator switch must be to ON position before setting to liquid or slush mode.**

4.1 For slush, press the cooler switch to bottom position (II / *).

4.2 For liquid, press the cooler switch to up position (I / ♯). If the machine is being used as a liquid cooler, it is provided with an inside thermostat for controlling the liquid temperature.

Note that your machine is equipped with a time delay relay that provides for a four minute delay from the time of the initial start. This is to prevent the compressor from short cycling. Once the compressor is ON, the green light will be on.

Note: The cooler switch is a three position switch and in order to have the compressor off, all the cooler switches need to be in the middle position.

5. To illuminate the mix tank cover display on top of the unit and the product in the bowl press the display light switch to down position (I / ♯).

CAUTION: IF THE MACHINE IS STOPPED AT NIGHT WITH ICE IN THE TANK, REMOVE ALL ICE SLABS BEFORE STARTING.

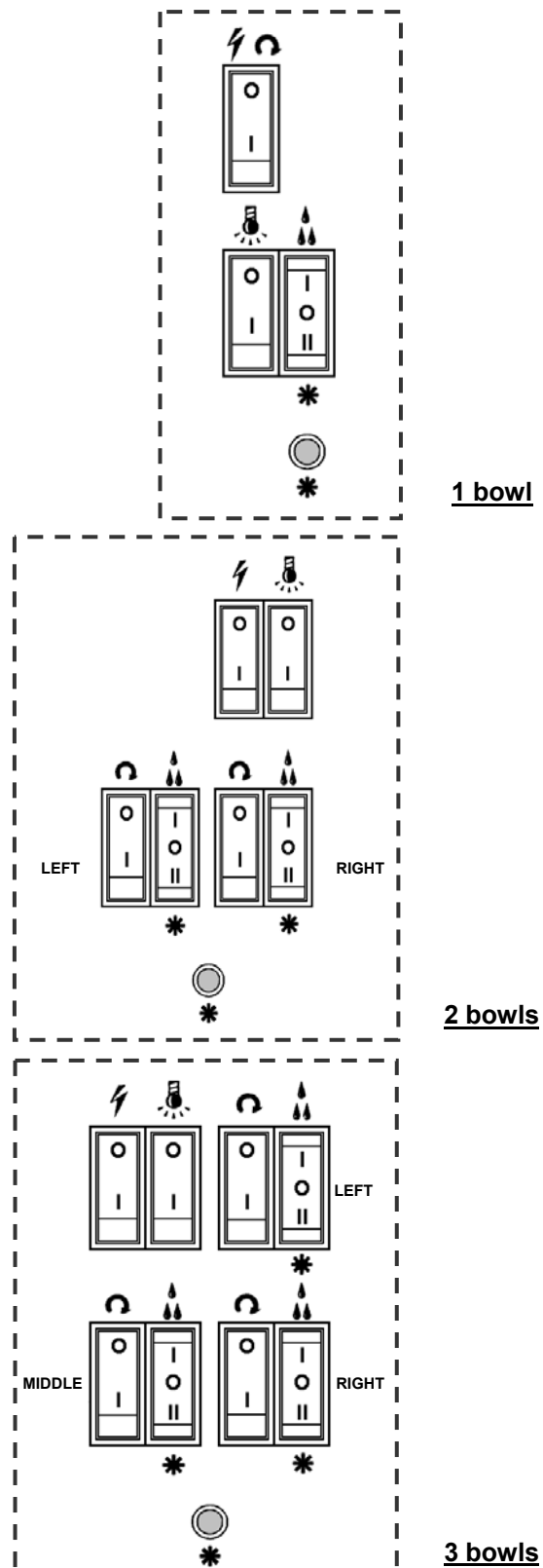


Figure 5

LIQUID DENSITY ADJUSTEMENT

To adjust the density/consistency of the slush there is an adjustment knob (**Figure 6, #2**) at the rear, right corner of the dispenser (**#1**).

Turn the knob right (clockwise) or left (counter clockwise) (**arrow C and B**). The consistency indicator (**#4**) will go up or down (**arrow D and E**)

To firm up the product, turn the set knob counter clockwise, which will move the indicator down to a higher number position

To soften / warm up the product, turn the set knob clockwise, which will move the indicator up to a lower number position

NOTE: when using a new product, or on initial start up, it is recommended that you set the consistency indicator to the lowest/warmest setting and increase as desired. Please note that the machines are pre-set at the factory at a medium setting (number 2.5)

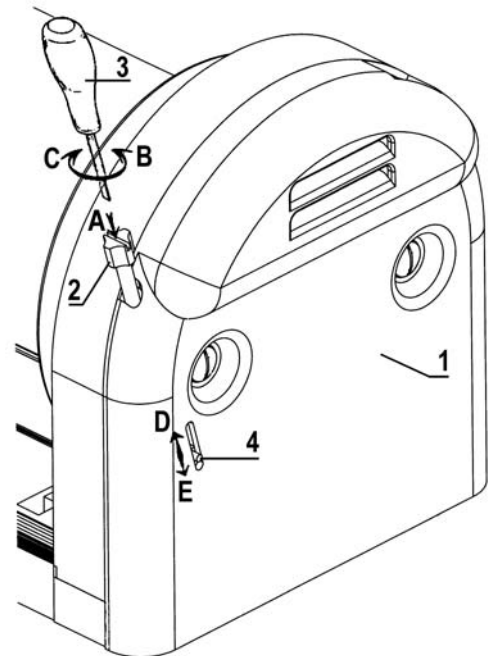
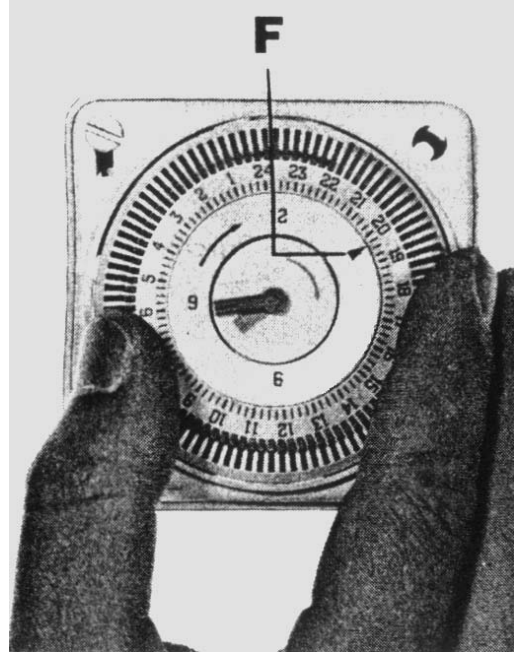


Figure 6

DEFROST TIMER PROGRAMMING PROCEDURES

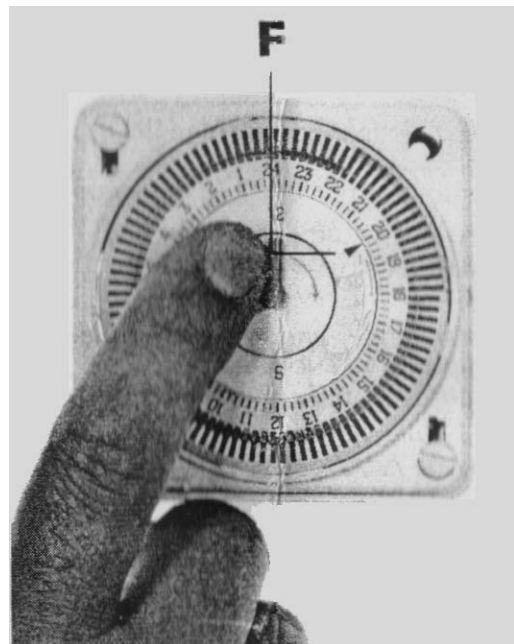
COARSE ADJUSTEMENT

Turn switching dial in the direction of the arrow until the current time is almost opposite the marking arrow **F** (here 19.45).



FINE ADJUSTEMENT

Continue turning the minute hand in the direction of the arrow until the current time is opposite the marking arrow **F** (here : The 20.00).

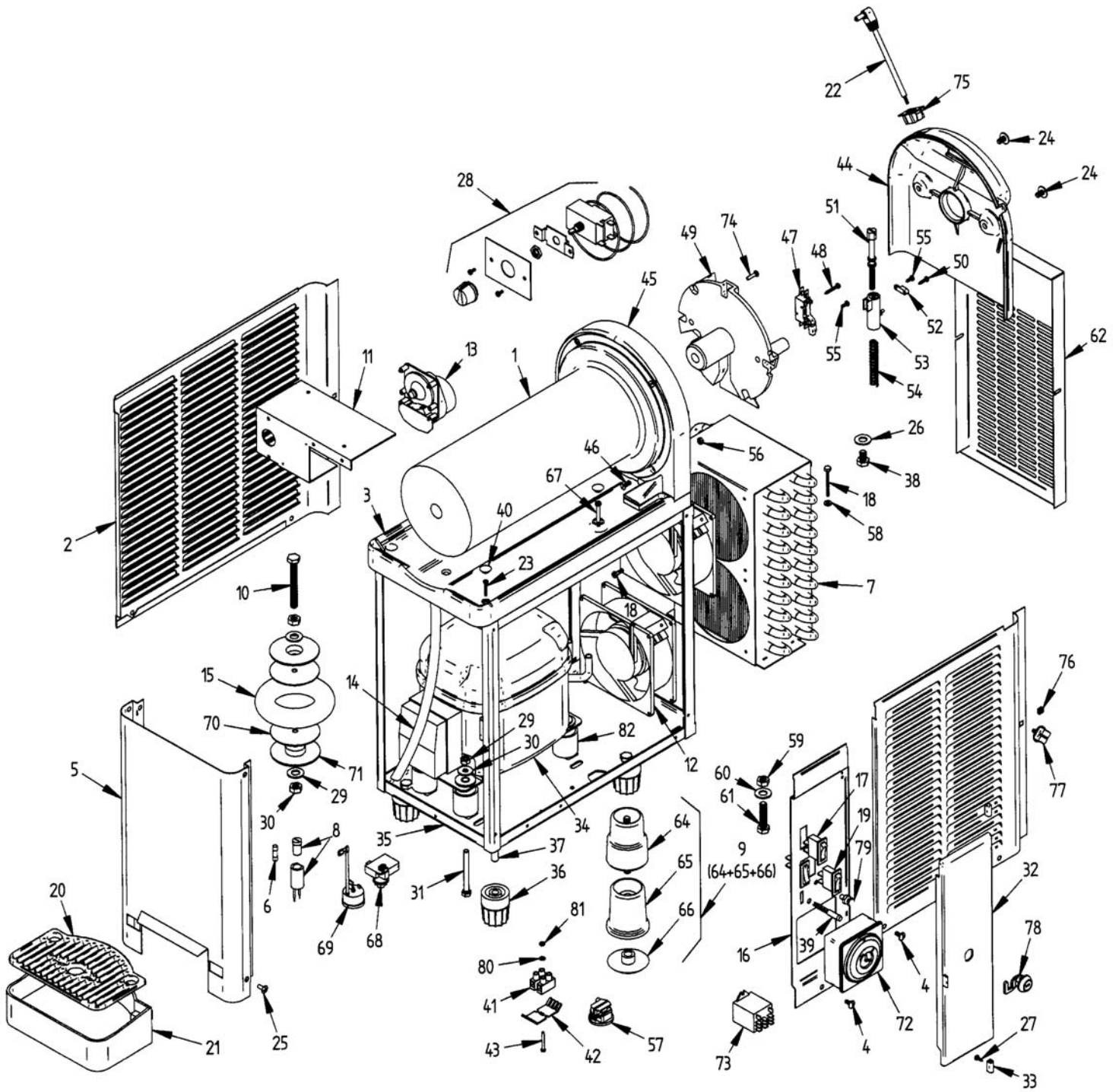


LIST OF COMPONENTS PARTS – Model GB-110 FF

| N° | Reference | Description |
|----|-------------|--|
| 1 | SL300951200 | Evaporator Assembly |
| 2 | SL310000009 | Left Side Panel 2002 - 1 bowl |
| 3 | SL300970010 | Upper tray GB-110 white |
| 4 | SL300310051 | Stainless steel screw NFE 27128 M4x10 |
| 5 | SL310000002 | Front panel GHZ-114 V/2002 |
| 6 | SL38WZC0005 | Rapid fuse F 5A 250V U.L. |
| 7 | SL300951610 | Condenser SENCO151 GHZ-114 RP 01 |
| 8 | SL300901135 | Fuse Holder U.L. 5x20 |
| 9 | SL300950840 | Full adjustable foot V/US |
| 10 | SL300950746 | Zinc screw DIN-933 M6x50 |
| 11 | SL300970081 | Thermostat support bracket |
| 12 | SL37TBH1411 | Fan motor 120x120x38 115/60 U.L. |
| 13 | SL300950584 | Timer GHZ-114 115/60 |
| 14 | SL300950230 | Drain Tube |
| 15 | SL300950570 | Transformer 20VA 120/12v |
| 16 | SL310001345 | Side Switch Panel GHZ-114 TP 02 CLDT CR |
| 17 | SL300951088 | Switch 20A black U.L. |
| 18 | SL300950210 | Zinc screw D-933 M4x45 |
| 19 | SL300951089 | Mode selector switch – 3 position |
| 20 | SL300950835 | Screen for leaking GHZ V/97 white |
| 21 | SL300951246 | Tray for leaking GHZ blue |
| 22 | SL300970331 | Cover cable GB-10 COLD. with jack |
| 23 | SL310000693 | Zinc screw DIN 7985 M4x20 |
| 24 | SL300310052 | Stainless steel screw NFE 27128 M6x10 |
| 25 | SL300950583 | Zinc screw D-7981 B3'5x9'5 |
| 26 | SL300310353 | Zinc washer DIN 125 M6 |
| 27 | SL300310320 | Zinc screw D-7971 B2'2x7 |
| 28 | SL300350467 | Thermostat GB RANKO K50 P1115 |
| 29 | SL300310271 | Zinc nut D-934 M6 |
| 30 | SL300310354 | Zinc washer DIN 9021 M6 |
| 31 | SL300951763 | Zinc screw D-933 M6x60 |
| 32 | SL300970276 | Command side panel cover - Black |
| 33 | SL300970294 | Bolt cover black |
| 34 | SL300951469 | Compressor NE2125GK 115/60 |
| 35 | SL310000245 | Full chassis GHZ-114 V/2002 |
| 36 | SL300951357 | Rubber foot GHZ-14 V/99 |
| 37 | SL300310134 | Zinc screw D-933 M8x20 |
| 38 | SL300950759 | Zinc screw D-933 M6x12 |
| 39 | SL300951253 | Green pilot light 110v U.L. |
| 40 | SL300950069 | Upper tray tap |
| 41 | SL300950735 | Terminal Block Cord Connection PA44 U.L. |

| N° | Reference | Description |
|----|-------------|--|
| 42 | SL300950737 | Terminal block mounting bracket PA52 |
| 43 | SL300310141 | Zinc screw D-84 M3x25 |
| 44 | SL300951247 | Evaporator support cover GHZ blue GBG |
| 45 | SL300951868 | Evaporator support GHZ PZ.1 white |
| 46 | SL300310042 | Stainless steel screw D-963 M4x12 |
| 47 | SL340000315 | Full micro switch GHZ UL |
| 48 | SL300950810 | Zinc screw RA-71 2'5x25 |
| 49 | SL300951869 | Evaporator support GHZ PZ.2 white |
| 50 | SL300950760 | Zinc screw D-7971 B2'9x13 |
| 51 | SL3GS12035B | Adjustment screw GHZ-14 white |
| 52 | SL3GS12036A | Consistency adjust. screw guide holder |
| 53 | SL3GS12037B | Consistency screw guide GHZ |
| 54 | SL300950116 | Regulation spring GHZ 1/4 hard |
| 55 | SL300950445 | Zinc screw D-7971 B2'9x9'5 |
| 56 | SL300310203 | Stainless steel nut D-934 M4 |
| 57 | SL300500118 | Pass cable PA107 U.L. |
| 58 | SL300901578 | Zinc washer DIN 125 M4 |
| 59 | SL300310250 | Brass nut DIN 934 M6 |
| 60 | SL300950649 | Brass washer DIN 125 M6 |
| 61 | SL300950648 | Brass screw D-933 M6x25 |
| 62 | SL310000111 | Back panel GHZ-114 U.L. 2002 |
| 63 | SL310000010 | Right side panel GHZ-114 V/2002 |
| 64 | SL300950833 | Nut supplement foot |
| 65 | SL300950624 | Adjustable supplement foot V/US |
| 66 | SL300951368 | Supplement foot tap V/US |
| 67 | SL310000694 | Zinc screw DIN 7985 M4x25 |
| 68 | SL300951468 | Compressor Relay NE2125KG 115/60 |
| 69 | SL300951467 | Compressor Clixon NE2125GK 115/60 |
| 70 | SL38GZDG060 | Transformer Washer |
| 71 | SL300950798 | Transformer Cover |
| 72 | SL300970277 | Daily hourly timer 115/60 |
| 73 | SL300951365 | Relay 115/60 |
| 74 | SL300951921 | Zinc screw DIN 7981 B3'9x13 |
| 75 | SL300951694 | Pass cable evap. support cover COLD. |
| 76 | SL310000171 | Special nut M4 03-09 |
| 77 | SL300970274 | Tap screw GB-10 - black |
| 78 | SL300951412 | Locking |
| 79 | SL310000400 | Locking special screw |
| 80 | SL300900004 | Zinc washer DIN 125 M3 |
| 81 | SL300900005 | Zinc nut DIN 934 M3 |
| 82 | SL300970373 | Compressor supplement |

EXPLODED VIEW – Model GB-110 FF

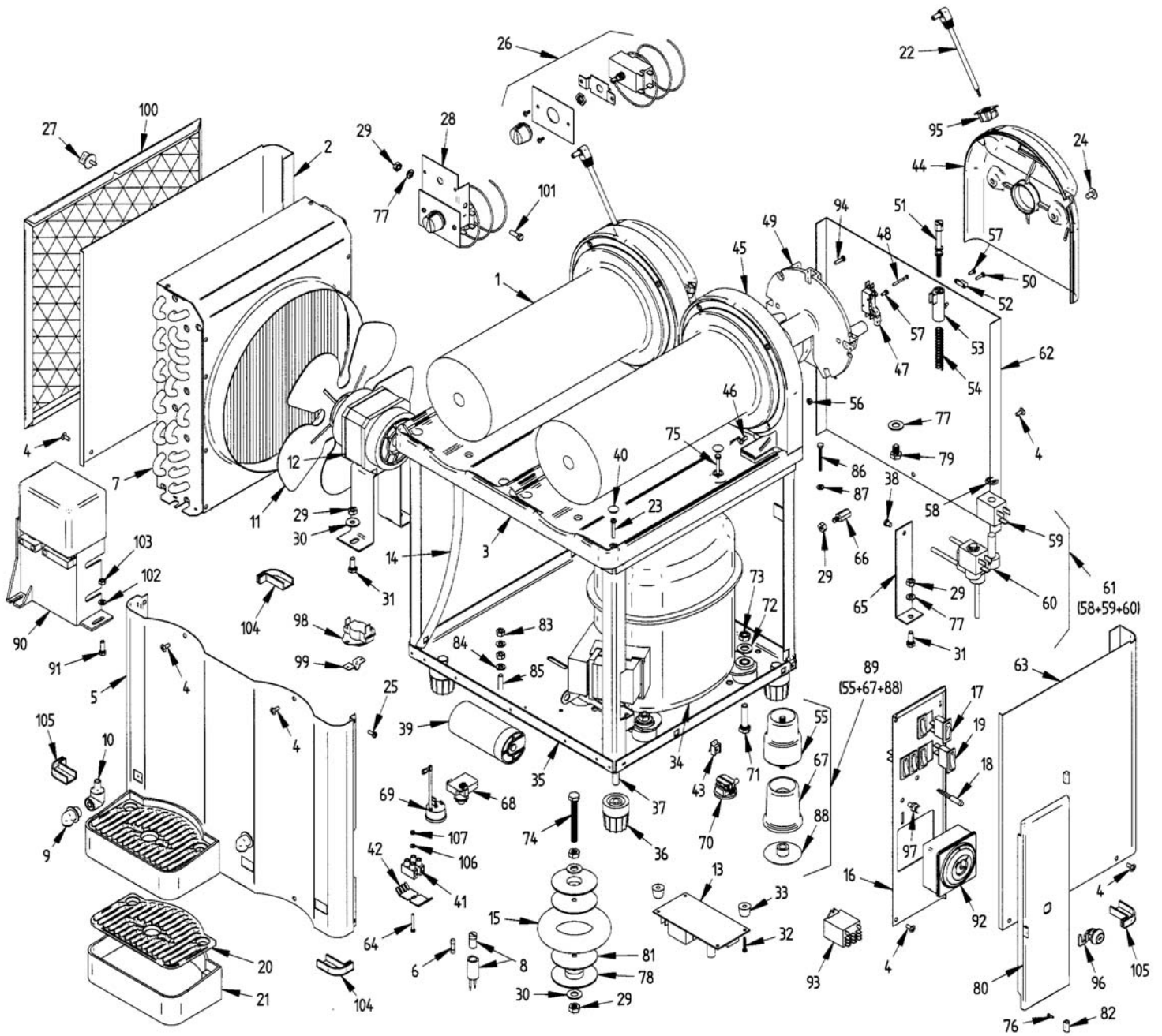


LIST OF COMPONENTS PARTS – Model GB-220 FF

| N° | Reference | Description |
|----|-------------|---|
| 1 | SL300951200 | Evaporator Assembly |
| 2 | SL300970240 | Left side panel GB-20/30 U.L.01 |
| 3 | SL300970008 | Upper tray GB-220 white |
| 4 | SL300310051 | Stainless steel screw NFE 27128 M4x10 |
| 5 | SL300951596 | Front panel GHZ-228 V/2001 |
| 6 | SL38WZC0005 | Rapid fuse F 5A 250V U.L. |
| 7 | SL300970233 | Condenser SEN122 GHZ 2/3 RP BAF1 |
| 8 | SL300901135 | Fuse holder U.L. 5x20 |
| 9 | SL300951632 | Drain tube connection racor GHZ white |
| 10 | SL300951631 | Drain tube connection GHZ white |
| 11 | SL300000233 | Fan blade 16W 254mm/28° |
| 12 | SL37TKU1N16 | Motoventilator 16W 115V/60 U.L. |
| 13 | SL300951202 | Electronic regulator 115V V/97 |
| 14 | SL300950230 | Drain Tube |
| 15 | SL300950571 | Transformer 50VA 115V/ 12V |
| 16 | SL300970297 | Side switch panel GB-220 PRG/01 |
| 17 | SL300951088 | Main switch 20 Amp. |
| 18 | SL300951253 | Green pilot light U.L. |
| 19 | SL300951089 | Mode selector switch – 3 position |
| 20 | SL300950835 | Screen for leaking GHZ V/97 white |
| 21 | SL300951246 | Tray for leaking GHZ blue GBG |
| 22 | SL300970331 | Cable with jack cover GB-10 |
| 23 | SL310000693 | Zinc screw DIN 7985 M4x20 |
| 24 | SL300310052 | Stainless steel NFE 27128 M6x10 |
| 25 | SL300950583 | Zinc screw D-7981 B3'5x9'5 |
| 26 | SL300350467 | Thermostat GB RANKO K50 P1115 |
| 27 | SL300970274 | Tap screw GB-10 - black |
| 28 | SL300951748 | Thermostat support GHZ-228 RP U.L. |
| 29 | SL300310271 | Zinc nut DIN 934 M6 |
| 30 | SL300310354 | Zinc washer DIN 9021 M6 |
| 31 | SL300310160 | Zinc screw D-933 M6x16 |
| 32 | SL300310322 | Zinc screw D-7971 B3'5x21'5 |
| 33 | SL300950075 | Supplement timer board |
| 34 | SL37ZG12168 | Compressor T2168GK CSIR 115/60 |
| 35 | SL310000411 | Full chassis GHZ-228 STN/UL 02 |
| 36 | SL300951357 | Rubber foot GHZ-14 V/99 |
| 37 | SL300310134 | Zinc screw D-933 M8x20 |
| 38 | SL300950265 | Zinc screw D-84 M5x6 |
| 39 | SL300950660 | Compressor condenser T2168GK CSIR 115v |
| 40 | SL300950069 | Condensate tray screw plug |
| 41 | SL300950735 | Terminal block cord connection PA-44 |
| 42 | SL300950737 | Terminal block mounting bracket |
| 43 | SL300950568 | Special nut CWP M4 |
| 44 | SL300951247 | Evaporator support cover blue GBG |
| 45 | SL300951868 | Evaporator support GHZ PZ-1 white |
| 46 | SL300310042 | Stainless steel screw D-963 M4x12 |
| 47 | SL340000315 | Full micro switch GHZ UL |
| 48 | SL300950810 | Zinc screw RA-71 2'5x25 |
| 49 | SL300951869 | Evaporator support GHZ PZ-2 white |
| 50 | SL300950760 | Zinc screw D-7971 B2'9x13 |
| 51 | SL3GS12035B | Consistency adjustment screw V/99 white |
| 52 | SL3GS12036A | Consistency adjustment screw guide holder |
| 53 | SL3GS12037B | Screw Guide & indicator- Consistency adj. |
| 54 | SL300950116 | Consistency adjustment spring |

| N° | Reference | Description |
|-----|-------------|--|
| 55 | SL300950833 | Nut supplement foot |
| 56 | SL300310203 | Hex nut -stainless steel 4mm |
| 57 | SL300950445 | Screw – 2.9x9.5 |
| 58 | SL310000444 | Clamp-solenoid valve coil B-4 |
| 59 | SL300951264 | Electrovalve bobbin 115/60 |
| 60 | SL300970159 | Double solenoid valve body 115/60 |
| 61 | SL3GS24711D | Double solenoid valve assembly 115/60 |
| 62 | SL300970239 | Rear panel 2001 -2 bowl |
| 63 | SL300970242 | Right side panel 2001 -2/3 bowl |
| 64 | SL300310141 | Screw - 3x25mm |
| 65 | SL300951101 | Double solenoid valve mounting bracket |
| 66 | SL300950428 | Spacer-rear panel 2/3 bowl |
| 67 | SL300950624 | Adjustable supplement foot V/US |
| 68 | SL300951472 | Compressor relay T2168GK CSIR 115/60 |
| 69 | SL300951473 | Compressor clixon T2168GK CSIR 115/60 |
| 70 | SL300500118 | Pass cable PA-107 |
| 71 | SL300310101 | Hex bolt 8x35mm |
| 72 | SL300310255 | Washer 10mm |
| 73 | SL300310205 | Hex nut 8mm |
| 74 | SL300950746 | Hex bolt 6x50 mm |
| 75 | SL310000694 | Zinc screw DIN 7985 M4x25 |
| 76 | SL300310320 | Screw - 2.2x7mm. |
| 77 | SL300310353 | Washer - 6mm |
| 78 | SL300950798 | Transformer cover |
| 79 | SL300950759 | Screw 6x12mm |
| 80 | SL300970276 | Command side panel cover - Black |
| 81 | SL38GZDG060 | Transformer washer |
| 82 | SL300970294 | Bolt cover - black |
| 83 | SL300310250 | Brass nut 6mm |
| 84 | SL300950649 | Brass washer 6mm |
| 85 | SL300950648 | Bras screw 6x25mm |
| 86 | SL300950210 | Screw 4x45mm |
| 87 | SL300901578 | Washer - 4mm |
| 88 | SL300951368 | Supplement foot tap V/US |
| 89 | SL300950840 | Full adjustable foot V/US |
| 90 | SL300951575 | Compressor condenser box |
| 91 | SL300310179 | Screw - 5x15mm |
| 92 | SL300970277 | Daily hourly timer |
| 93 | SL300951365 | Relay 115V/60Hz |
| 94 | SL300951921 | Zinc screw DIN 7981 B-3'9x13 |
| 95 | SL300951694 | Pass cable 31583 |
| 96 | SL300951412 | Locking |
| 97 | SL310000400 | Locking special screw |
| 98 | SL310000119 | Thermal disk protection |
| 99 | SL310000354 | Thermal disk clamp SP USA |
| 100 | SL310000121 | External condenser filter SP USA 01 |
| 101 | SL300310148 | Zinc screw DIN 933 M6x10 |
| 102 | SL300906167 | Zinc nut DIN 934 M5 |
| 103 | SL300310355 | Zinc washer DIN 125 M5 |
| 104 | SL300950802 | Right side trim cover GHZ - white |
| 105 | SL300950801 | Left side trim cover GHZ - white |
| 106 | SL300900004 | Zinc washer DIN 125 M3 |
| 107 | SL300900005 | Zinc nut DIN 934 M3 |

EXPLODED VIEW – Model GB-220 FF

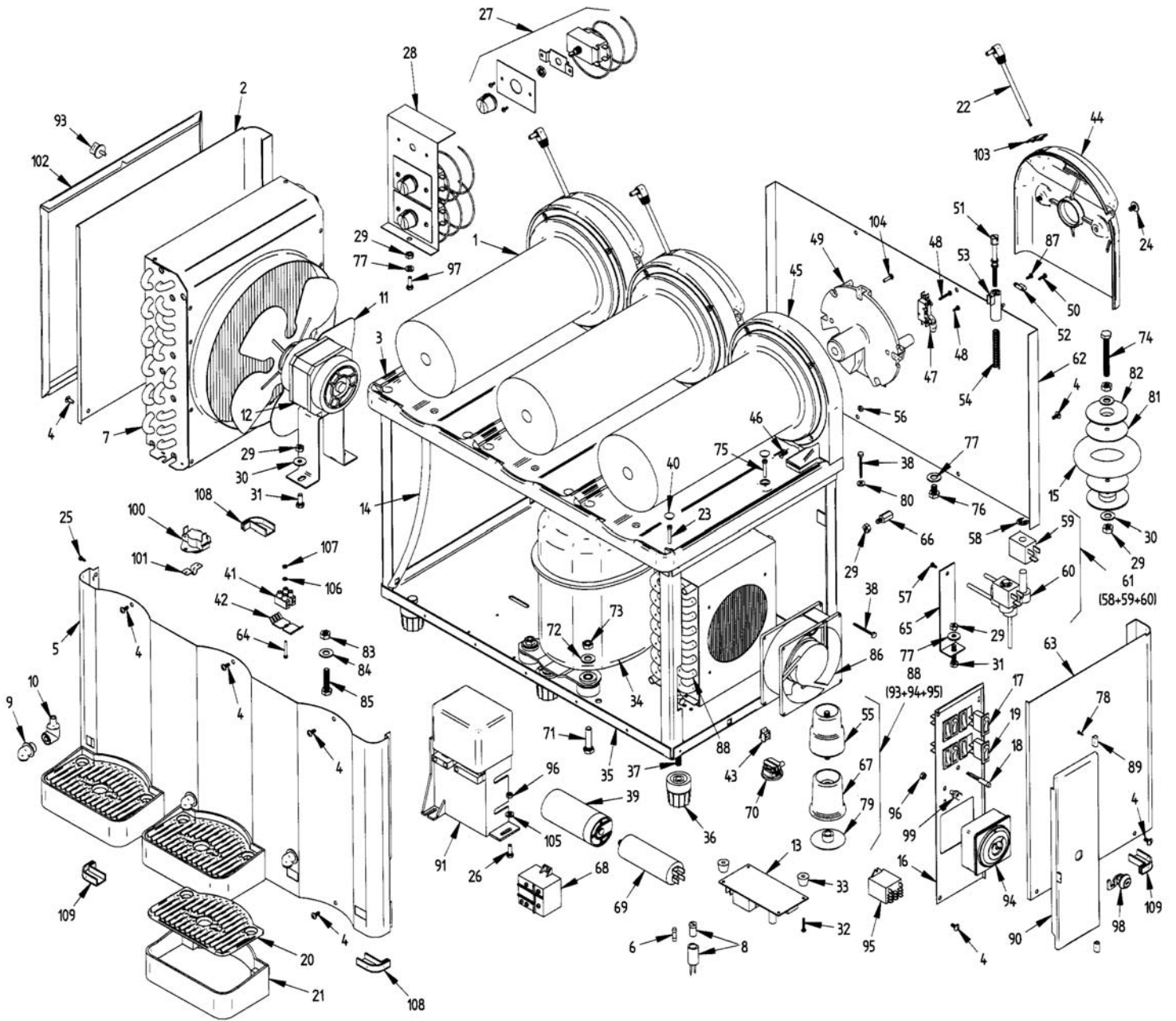


LIST OF COMPONENTS PARTS – Model GB-330 FF

| Nº | Reference | Description |
|----|-------------|---|
| 1 | SL300950585 | Evaporator Assembly |
| 2 | SL300970240 | Left side panel 2001 2/3 bowl |
| 3 | SL300970009 | Condensate drip tray 3 bowl |
| 4 | SL300310051 | Screw-Stainless steel 4x10mm |
| 5 | SL300951597 | Front panel 2001 3 bowl |
| 6 | SL38WZC0005 | Fuse – transformer |
| 7 | SL300970233 | Air condenser SENC122 GHZ 2/3 RP BAF1 |
| 8 | SL300901135 | Fuse holder 5x20 |
| 9 | SL300951632 | Drain tube connection racor |
| 10 | SL300951631 | Drain tube connection |
| 11 | SL300000233 | Fan blade - 10" x 28 degrees |
| 12 | SL37TKU1N16 | Condenser fan motor – 2/3 bowl |
| 13 | SL300951202 | Electronic timer – 2/3 bowl |
| 14 | SL300950230 | Drain Tube |
| 15 | SL300950572 | Transformer 60 W/ 115V/ 12V – 2 bowl |
| 16 | SL300970298 | Side switch panel 2001 – 3 bowl |
| 17 | SL300951088 | Main switch 20 Amp. |
| 18 | SL300951253 | Green pilot light U.L. |
| 19 | SL300951089 | Mode selector switch – 3 position |
| 20 | SL300950835 | Front Drip Tray Cover – White |
| 21 | SL300951246 | Front Drip Tray - Blue |
| 22 | SL300970331 | Cable with jack cover GB-10 |
| 23 | SL310000693 | Zinc screw DIN 7985 M4x20 |
| 24 | SL300310052 | Screw -Stainless steel 6x10mm |
| 25 | SL300950583 | Screw 3,5 x 9,5 mm |
| 26 | SL300310179 | Screw – 5x15mm |
| 27 | SL300350467 | Thermostat-stand by mode |
| 28 | SL300950448 | Thermostat support |
| 29 | SL300310271 | Hex nut 6mm |
| 30 | SL300310354 | Washer 6mm |
| 31 | SL300310160 | Screw 6x15mm |
| 32 | SL300310322 | Zinc screw D-7971 B3'5x21'5 |
| 33 | SL300950075 | Stand off – timer board |
| 34 | SL300951256 | Compressor T2178GK 115/60 |
| 35 | SL310000426 | Full chassis GHZ-342 STN/UL 02 |
| 36 | SL300951357 | Rubber foot H-40mm |
| 37 | SL300310134 | Hex bolt 8x20mm |
| 38 | SL300950210 | Screw – 4x45mm |
| 39 | SL300951257 | Compressor condenser T2178GK 115/60 |
| 40 | SL300950069 | Condensate tray screw plug |
| 41 | SL300950735 | Terminal block cord connection PA-44 |
| 42 | SL300950737 | Terminal block mounting bracket |
| 43 | SL300950568 | Nut – side panel mount |
| 44 | SL300951247 | Rear plastic gear motor cover - Blue |
| 45 | SL300951868 | Evaporator support GHZ PZ-1 white |
| 46 | SL300310042 | Screw-Stainless Steel 4x12mm |
| 47 | SL340000315 | Full micro switch GHZ UL |
| 48 | SL300950810 | Screw 2.5x25 mm |
| 49 | SL300951869 | Evaporator support GHZ PZ-2 white |
| 50 | SL300950760 | Screw 2,9x13mm |
| 51 | SL3GS12035B | Consistency adjustment screw V/99 |
| 52 | SL3GS12036A | Consistency adjustment screw guide holder |
| 53 | SL3GS12037B | Screw Guide & indicator- Consistency adj. |
| 54 | SL300950116 | Consistency adjustment spring |
| 55 | SL300950833 | Nut supplement foot |

| Nº | Reference | Description |
|-----|-------------|--|
| 56 | SL300310203 | Hex nut -stainless steel 4mm |
| 57 | SL300950265 | Screw – 5x6mm |
| 58 | SL310000444 | Clamp-solenoid valve coil B-4 |
| 59 | SL300951264 | Electrovalve bobbin 115/60 |
| 60 | SL300970157 | Triple solenoid valve body 115/60 |
| 61 | SL3GS36711D | Triple solenoid valve assembly 115/60 |
| 62 | SL300970246 | Rear panel 2001 -3 bowl |
| 63 | SL300970242 | Right side panel 2001 -2/3 bowl |
| 64 | SL300310141 | Screw - 3x25mm |
| 65 | SL300951101 | Double solenoid valve mounting bracket |
| 66 | SL300950428 | Spacer-rear panel 2/3 bowl |
| 67 | SL300950624 | Adjustable supplement foot V/US |
| 68 | SL300951258 | Compressor relay T2178GK 115/60 |
| 69 | SL300951259 | Condenser running T2178GK 115/60 |
| 70 | SL300500118 | Pass cable PA-107 |
| 71 | SL300310101 | Hex bolt 8x35mm |
| 72 | SL300310255 | Washer 10mm |
| 73 | SL300310205 | Hex nut 8mm |
| 74 | SL300950746 | Hex bolt 6x50 mm |
| 75 | SL310000694 | Zinc screw DIN 7985 M4x25 |
| 76 | SL300950759 | Screw – 6x12mm |
| 77 | SL300310353 | Washer - 6mm |
| 78 | SL300310320 | Screw – B-2'2x7 |
| 79 | SL300951368 | Antiskid supplement foot tap |
| 80 | SL300901578 | Washer - 4mm |
| 81 | SL38GZDG060 | Transformer washer |
| 82 | SL300950798 | Transformer cover |
| 83 | SL300310250 | Brass nut 6mm |
| 84 | SL300950649 | Brass washer 6mm |
| 85 | SL300950648 | Bras screw 6x25mm |
| 86 | SL37TBH1411 | Motoventilator 120x120 |
| 87 | SL300950445 | Screw – 2.9x9.5 |
| 88 | SL300950840 | Full adjustable foot V/US |
| 89 | SL300970294 | Bolt cover - black |
| 90 | SL300970276 | Command side panel cover - Black |
| 91 | SL300951575 | Compressor condenser box |
| 92 | SL300950035 | Condenser SENC0014 GHZ-114/456 |
| 93 | SL300970274 | Tap screw GB-10 - black |
| 94 | SL300970277 | Daily hourly timer |
| 95 | SL300951365 | Relay 115/60 |
| 96 | SL300906167 | Zinc nut DIN 934 M5 |
| 97 | SL300310148 | Zinc screw DIN 933 M6x10 |
| 98 | SL300951412 | Locking |
| 99 | SL310000400 | Locking special screw |
| 100 | SL310000119 | Thermal disk protection |
| 101 | SL310000354 | Thermal disk clamp SP USA |
| 102 | SL310000121 | External condenser filter SP USA |
| 103 | SL300951694 | Pass cable 31583 |
| 104 | SL300951921 | Zinc screw DIN 7981 B-3'9x13 |
| 105 | SL300310355 | Zinc washer DIN 125 M5 |
| 106 | SL300900004 | Zinc washer DIN 125 M3 |
| 107 | SL300900005 | Zinc nut DIN 934 M3 |
| 108 | SL300950802 | Right side trim cover GHZ - white |
| 109 | SL300950801 | Left side trim cover GHZ - white |

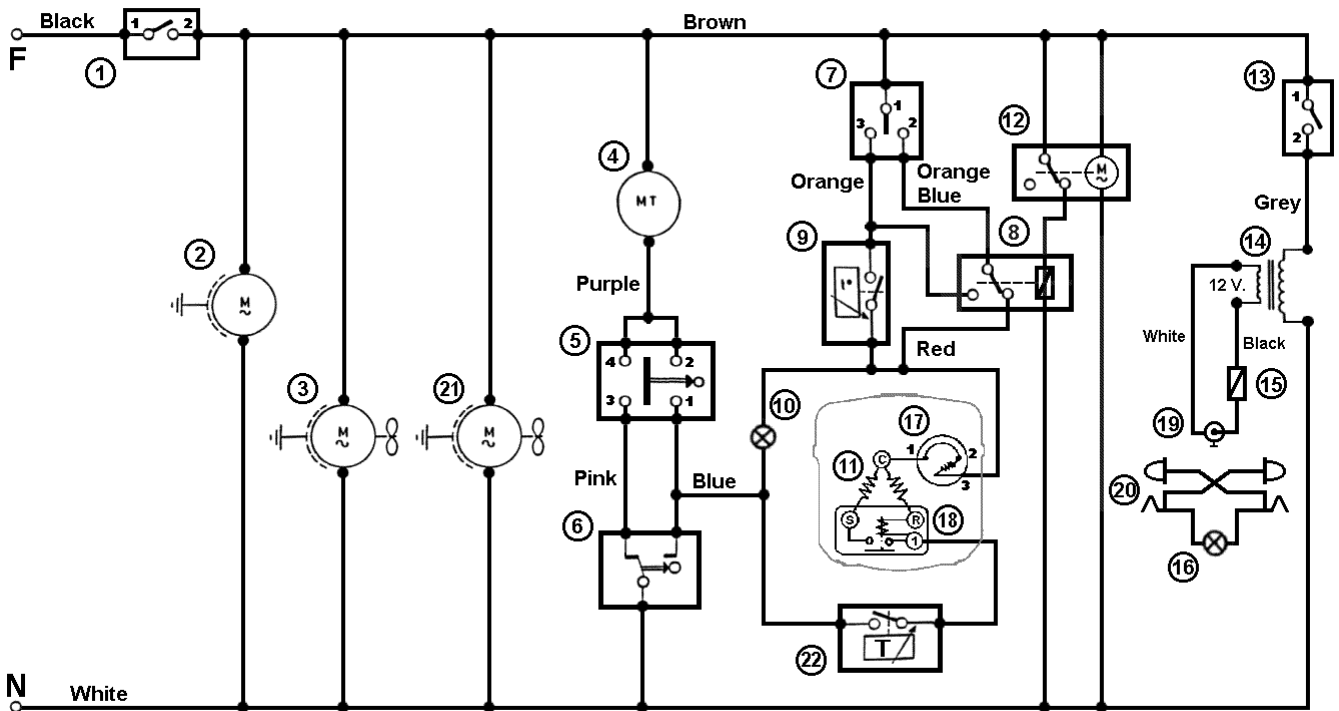
EXPLODED VIEW – Model GB-330 FF



WIRING DIAGRAM – Model GB-110 FF

| Number | Description |
|--------|----------------------------|
| 1 | General switch and shovels |
| 2 | Engine for shovels |
| 3 | Motor ventilator 1 |
| 4 | Timer |
| 5 | Micro regulation |
| 6 | Timer micro |
| 7 | Liquid/iced drink switch |
| 8 | Switch relay |
| 9 | Mechanical thermostat |
| 10 | Compressor pilot light |
| 11 | Compressor |

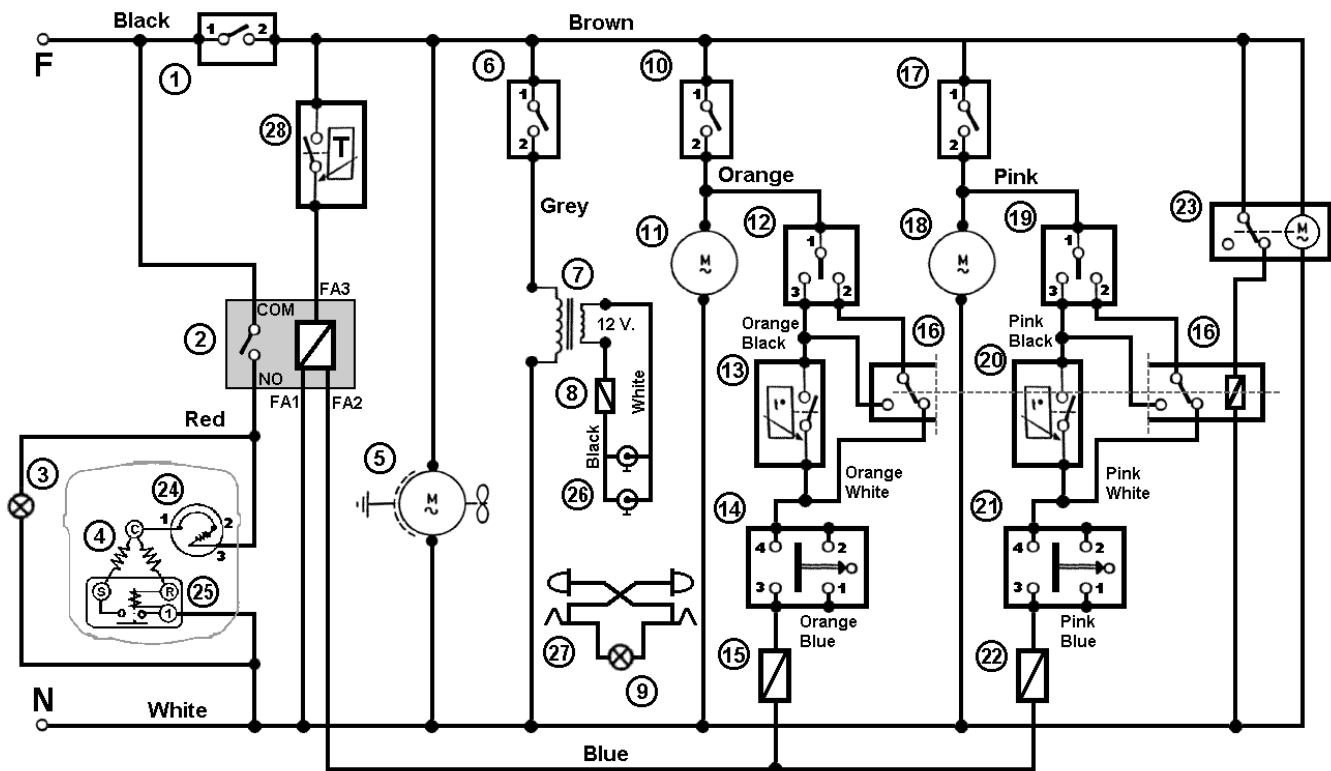
| Number | Description |
|--------|-------------------------|
| 12 | Hourly timer |
| 13 | Bowl light switch |
| 14 | Transformer |
| 15 | Full fuse holder |
| 16 | Bowl light |
| 17 | Compressor clixon |
| 18 | Compressor relay |
| 19 | Connector light |
| 20 | Socket display lamp |
| 21 | Motor ventilator 2 |
| 22 | Thermal disk protection |



WIRING DIAGRAM – Model GB-220 FF

| Number | Description |
|--------|-------------------------------|
| 1 | General switch |
| 2 | Electronic regulator |
| 3 | Compressor pilot light |
| 4 | Compressor |
| 5 | Motor ventilator |
| 6 | Bowls light switch |
| 7 | Transformer |
| 8 | Full fuse holder |
| 9 | Bowls light |
| 10 | Left shovels switch |
| 11 | Engine for left shovels |
| 12 | Left liquid/iced drink switch |
| 13 | Left mechanical thermostat |
| 14 | Left micro regulation |

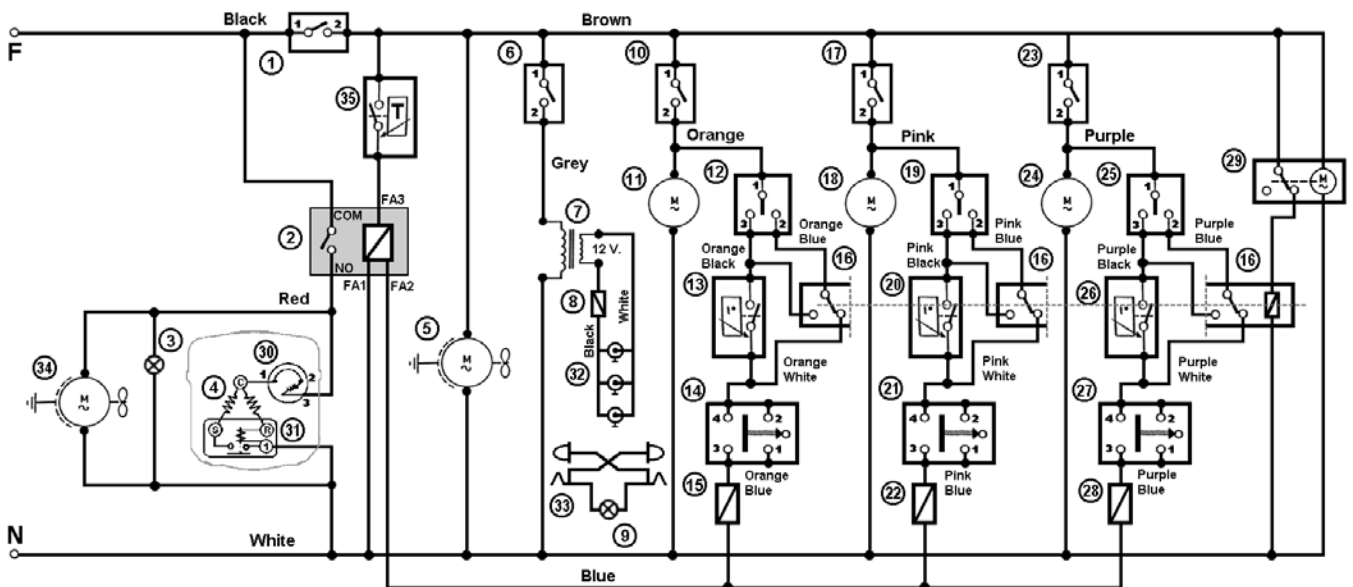
| Number | Description |
|--------|--------------------------------|
| 15 | Left electrovalve |
| 16 | Switch relay |
| 17 | Right shovels switch |
| 18 | Engine for right shovels |
| 19 | Right liquid/iced drink switch |
| 20 | Right mechanical thermostat |
| 21 | Right micro regulation |
| 22 | Right electrovalve |
| 23 | Hourly timer |
| 24 | Compressor clixon |
| 25 | Compressor relay |
| 26 | Connector lights |
| 27 | Socket display lamp |
| 28 | Thermal disk protection |



WIRING DIAGRAM – Model GB-330 FF

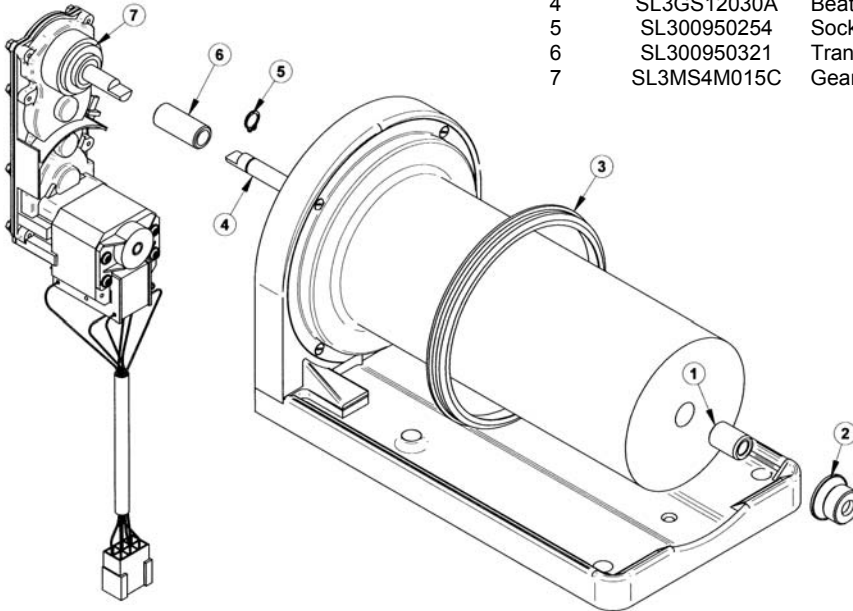
| Number | Description |
|--------|-------------------------------|
| 1 | General switch |
| 2 | Electronic regulator |
| 3 | Compressor pilot light |
| 4 | Compressor |
| 5 | Motor ventilator 1 |
| 6 | Bowls light switch |
| 7 | Transformer |
| 8 | Full fuse holder |
| 9 | Bowls light |
| 10 | Left shovels switch |
| 11 | Engine for left shovels |
| 12 | Left liquid/iced drink switch |
| 13 | Left mechanical thermostat |
| 14 | Left micro regulation |
| 15 | Left electrovalve |
| 16 | Switch relay |
| 17 | Central shovels switch |
| 18 | Engine for central shovels |

| Number | Description |
|--------|----------------------------------|
| 19 | Central liquid/iced drink switch |
| 20 | Central mechanical thermostat |
| 21 | Central micro regulation |
| 22 | Central electrovalve |
| 23 | Right shovels switch |
| 24 | Engine for right shovels |
| 25 | Right liquid/iced drink switch |
| 26 | Right mechanical thermostat |
| 27 | Right micro regulation |
| 28 | Right electrovalve |
| 29 | Hourly timer |
| 30 | Compressor clixon |
| 31 | Compressor relay |
| 32 | Connector lights |
| 33 | Socket display lamp |
| 34 | Motor ventilator 2 |
| 35 | Thermal disk protection |



WATERTIGHTNESS AND TRANSMISSION ELEMENTS

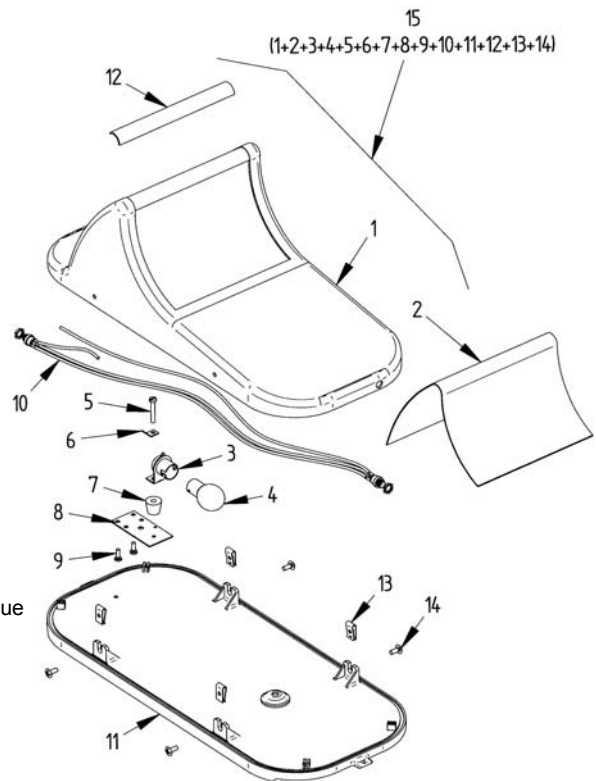
| Number | Reference | Description |
|--------|-------------|--------------------------------------|
| 1 | SL300951752 | Evaporator cap GHZ-14 2001 |
| 2 | SL300951857 | Watertight shaft joint GHZ-14 2002 |
| 3 | SL3GS36007B | Tank joint |
| 4 | SL3GS12030A | Beater Drive Shaft |
| 5 | SL300950254 | Socket DIN 471 E-12 |
| 6 | SL300950321 | Transmission shaft racor GHZ-14 V/95 |
| 7 | SL3MS4M015C | Gear motor 220/50 - 115/60 U.L. |



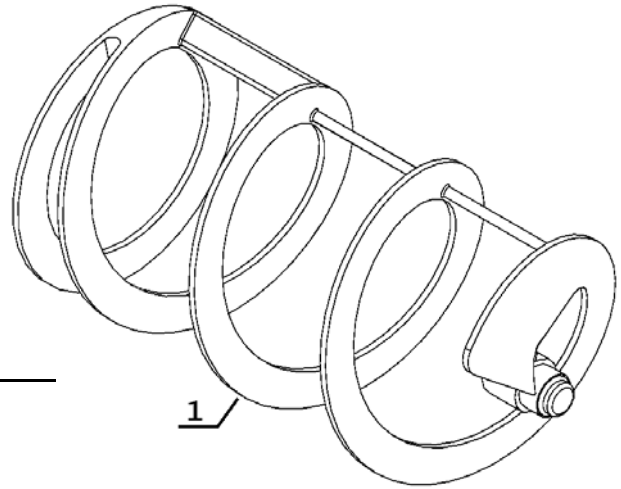
Only parts with numbers will be stock items; others will be special ordered.

COVER GB

| Number | Reference | Description |
|--------|-------------|---|
| 1 | SL300970269 | Reversible mix tank Cover - Top (blue) |
| 2 | SL300970175 | Transparency cover GB v/2000 |
| 3 | SL3GS24317A | Lamp holder B-15-S |
| 4 | SL300950100 | Lamp 21W. 12V. |
| 5 | SL310000693 | Zinc screw DIN 7985 M4x20 |
| 6 | SL300200015 | Terminal PE-123 Ø4 |
| 7 | SL300950075 | Supplement |
| 8 | SL300950350 | Display Lamp Socket Bracket |
| 9 | SL300950583 | Zinc screw DIN 7981 B-3'5x9'5 |
| 10 | SL300970252 | Full cable cover |
| 11 | SL300951583 | Mix tank Cover Base v/padlock |
| 12 | SL300970355 | Transparency cover subjection blue |
| 13 | SL310001505 | Stainless steel clip nut M4 |
| 14 | SL300310051 | Stainless steel screw NFE 27128 M4x10 |
| 15 | SL310001919 | Full mix tank cover assembly v/padlock - blue |

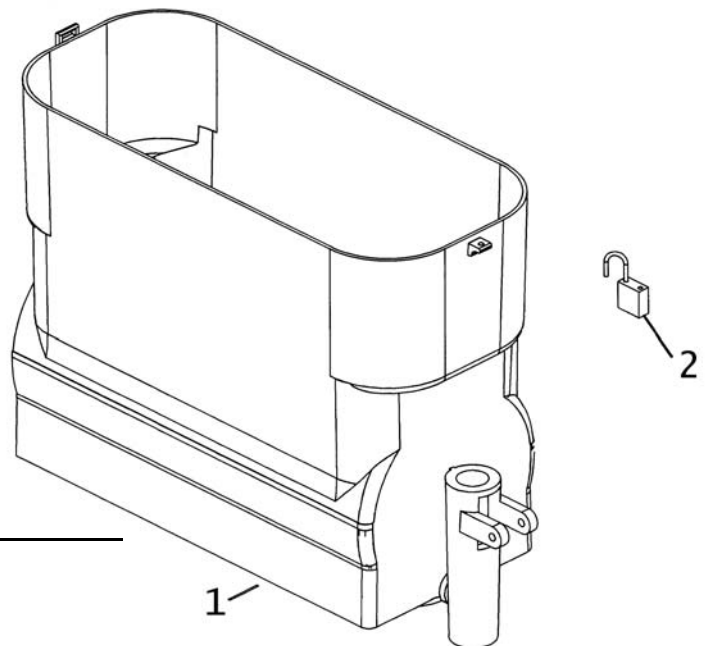


SPIRAL SHOVEL



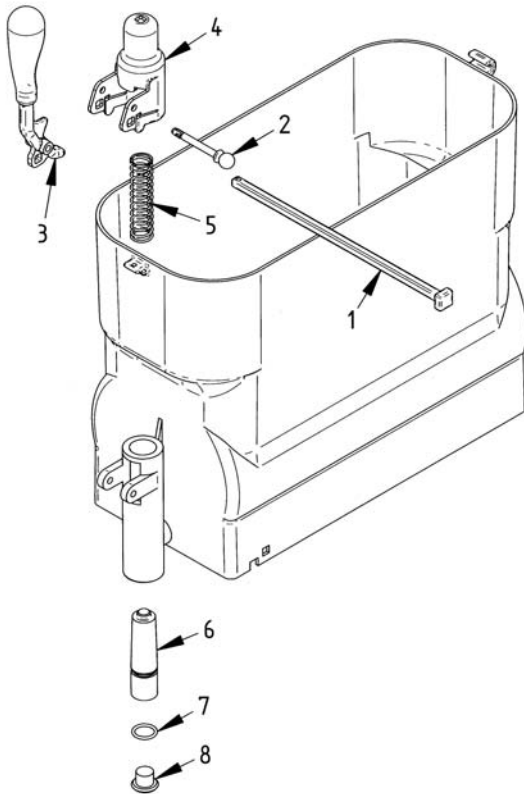
| <u>Number</u> | <u>Reference</u> | <u>Description</u> |
|---------------|------------------|-----------------------------|
| 1 | SL3GS12009D | Mixer Blade Assembly GHZ-14 |

TANK AND SHOVEL GUIDE



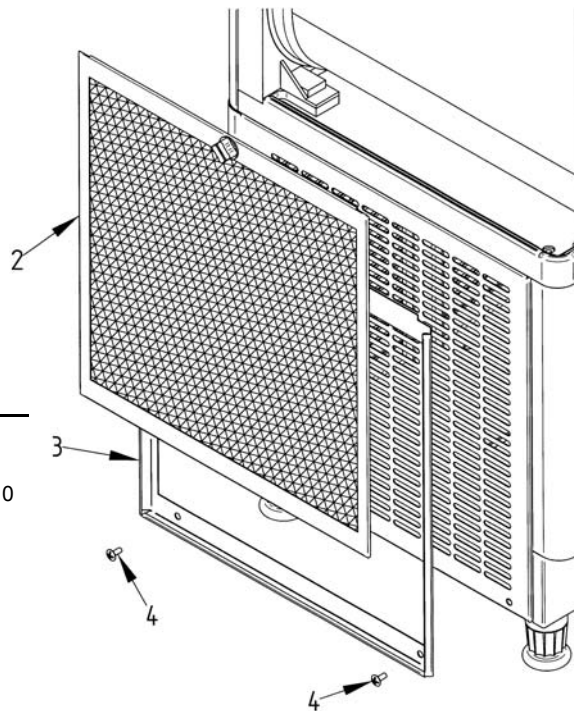
| <u>Number</u> | <u>Reference</u> | <u>Description</u> |
|---------------|------------------|-----------------------------|
| 1 | SL300951582 | Mix Storage Tank v/padlock |
| 2 | SL300951369 | Padlock (OPTIONAL) |

COMPLETE TAP GB-14 RP v.2001



| <u>Number</u> | <u>Reference</u> | <u>Description</u> |
|----------------|------------------|------------------------------------|
| 1 ₁ | SL300951660 | Locking tap rod GB-110 2001 -white |
| 1 ₂ | SL300951607 | Locking tap rod GB-220 2001 -white |
| 1 ₃ | SL300951608 | Locking tap rod GB-330 2001 -white |
| 2 | SL310000367 | Tap fastener TMC white |
| 3 | SL300951606 | Dispensing handle GHZ USA white |
| 4 | SL300951601 | Spring cap GHZ USA white |
| 5 | SL300951647 | Tap spring GHZ USA |
| 6 | SL300951604 | Tap piston GHZ USA |
| 7 | SL300950194 | Tap gasket |
| 8 | SL300950258 | Piston special gasket |

EXTERNAL FILTER 02



| <u>Number</u> | <u>Reference</u> | <u>Description</u> |
|---------------|------------------|---------------------------------------|
| 2 | SL310000121 | External condenser filter SP USA 01 |
| 3 | SL310000180 | External condenser filter support |
| 4 | SL300310051 | Stainless steel screw NFE 27128 M4x10 |

TROUBLE SHOOTING GUIDE

| Trouble | Possible Causes | Remedy |
|-------------------------------------|--|---|
| Machine overheats | <ul style="list-style-type: none"> • Machine vents are blocked | <ul style="list-style-type: none"> • Check that nothing is obstructing the vents |
| The tap drips | <ul style="list-style-type: none"> • O-rings may be improperly placed | <ul style="list-style-type: none"> • Make sure that the o-rings are in place and have no cuts. • Check that the piston is correctly closed and nothing is obstruction its outlet. • Verify that the spring works correctly. |
| Machine is not cooling the product* | <ul style="list-style-type: none"> • Voltage may be labelled improperly • Does the machine have power? • The condenser is dirty • No refrigerant | <ul style="list-style-type: none"> • Verify that the voltage supply matches the label on the back of the machine. • Check to see if the machine is plugged in. • Clean the condenser carefully with a brush trying not to damage the ribs. See figure 7. • Contact authorized service agency. |
| The unit does not work | <ul style="list-style-type: none"> • No power • Switch Power cord loose or damaged • Defective • Wiring disconnected | <ul style="list-style-type: none"> • Connect unit to power supply. • Locate problem and correct. Replace power cord if necessary. • Replace switch. • Check wiring for loose connection or broken wire. |
| One of the augers does not work | <ul style="list-style-type: none"> • Motor connection loose • Defective switch • Auger is stuck • Bad gear reducer motor | <ul style="list-style-type: none"> • Check wiring to motor. • Replace switch. • Check auger, replace if necessary. • Replace. |
| No pilot light when unit is on | <ul style="list-style-type: none"> • Defective wiring connection • Defective density switch • Burned out bulb • Defective thermostat | <ul style="list-style-type: none"> • Check wiring. • Check switch. • Replace bulb. • Replace thermostat. |
| Compressor does not start | <ul style="list-style-type: none"> • Defective overload • Defective relay • Defective compressor | <ul style="list-style-type: none"> • Replace. • Replace. • Replace. |

TROUBLE SHOOTING GUIDE (cont'd)

| Trouble | Possible Causes | Remedy |
|-------------------------------------|--|--|
| Unit cools but does not freeze | <ul style="list-style-type: none"> • Switch is not on • The condenser is dirty • Not enough air around the unit • Less than 12% sugar content • Density switch at lower level off | <ul style="list-style-type: none"> • Check that switch is on right position. • Clean the condenser carefully with a brush (do not to damage the ribs). • Remove other objects that may be blocking airflow around unit. • Remix with 12% sugar content. • Turn on density switch. |
| One bowl does not cool* | <ul style="list-style-type: none"> • Defective solenoid valve • Defective thermostat • Defective density switch • Defective front panel switch | <ul style="list-style-type: none"> • Replace. • Replace. • Replace. • Replace. |
| One bowl cools but does not freeze* | <ul style="list-style-type: none"> • Density switch at lower level defective • Front panel switch set for liquid | <ul style="list-style-type: none"> • Replace. • Check that switch is in right position. |
| Noisy auger | <ul style="list-style-type: none"> • No lubricant • Defective gear reducer motor | <ul style="list-style-type: none"> • Lubricant auger. • Replace. |
| Drippy nozzle or valve | <ul style="list-style-type: none"> • O-Rings worn or defective | <ul style="list-style-type: none"> • Replace O-Rings. |
| Leaky Bowl | <ul style="list-style-type: none"> • Gasket improperly installed or defective | <ul style="list-style-type: none"> • Reinstall gasket, replace if necessary. |
| Cover light does not work | <ul style="list-style-type: none"> • Burned out bulb • Defective cable • Defective plug • Defective fuse • Defective transformer • Defective light switch | <ul style="list-style-type: none"> • Replace bulb. • Replace cable. • Replace plug. • Replace fuse. • Replace transformer. • Replace switch |



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Granita Equipment Warranty Form

1 Bowl 2 Bowl 3 Bowl

Serial # (six digits on switch plate side)

*Date Purchased _____ Date Installed _____

Retailer/Wholesaler purchased from _____

Retailer/Wholesaler Address _____

Your Company Name _____ Company Telephone # _____

Contact Person _____

Your Company Address _____

Email Address _____

***Warranty card must be returned within 30 days of purchase to activate warranty
Manufacturer extends no warranty on equipment without returned warranty card**



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