

OPERATION AND INSTRUCTION MANUAL

GRANITA MACHINE

Models :

Ref.:SL900491241

GB – 110 FF

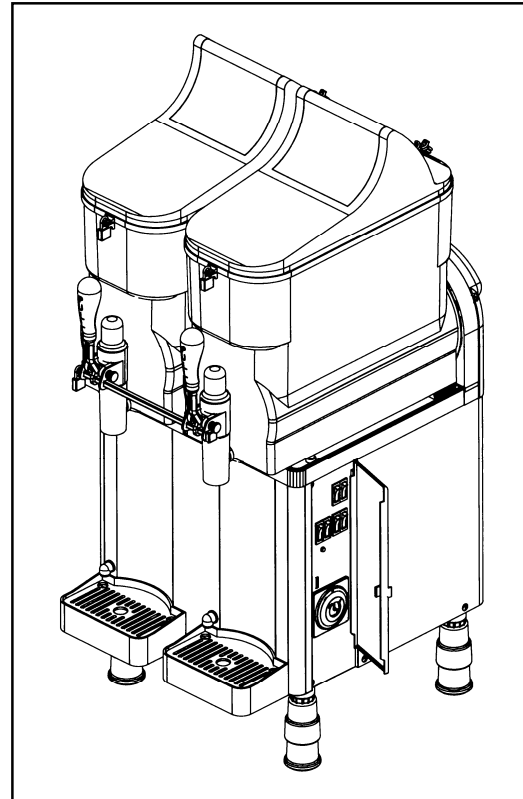
Ref.:SL900491242

GB – 220 FF

Ref.:SL900491243

GB – 330 FF

115 V. – 60 Hz.



06-02-2003

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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 par or completely.

UNPACKING

IMPORTANT

Prior to starting this procedure, ensure that the shipping carton does not show any evidence of damage due to dropping or mishandling. This may indicate that the dispenser was damaged during transit and/or delivery. If any damage is visible on the shipping carton, indicate this on the shipping receipt.

You can now proceed in the unpacking process by first carefully cutting the plastic strapping which secures the carton top and bottom. After cutting these straps, lift the carton top straight up and off of the dispenser.

After lifting the box off the machine, carefully remove the styrofoam from the sides of the machine. Next remove the four plastic legs, technical and instruction manual, and any other items found in the mix tanks.

MACHINE POSITIONING

Prior to choosing a location please keep in mind that your dispenser should be readily accessible for periodic maintenance and have adequate space for necessary air flow. After selecting a location, you are now ready to place your dispenser.

Place the machine at the desired location. Make sure that there is enough space for ventilation on both sides (about 8" on each side for 2 and 3 bowl units). Carefully lay the machine on its back and screw the legs to the bottom. Gently tip machine onto its feet.

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.**

Install the drip pans and cover grates onto the front of the unit.

IMPORTANT

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. Carefully inspect the power supply cord on your dispenser for any possible damage which may have occurred during transportation. If **ANY** damage is visible, **DO NOT** plug the machine into the power supply, contact your authorized service agent to replace the power cord.

FAMILIARIZING YOURSELF WITH THE CONTROLS

On the right side of the machine are the following switches and controls. (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. Display lights have power

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: Frozen mode. ❄️

Compressor green light 🟢

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

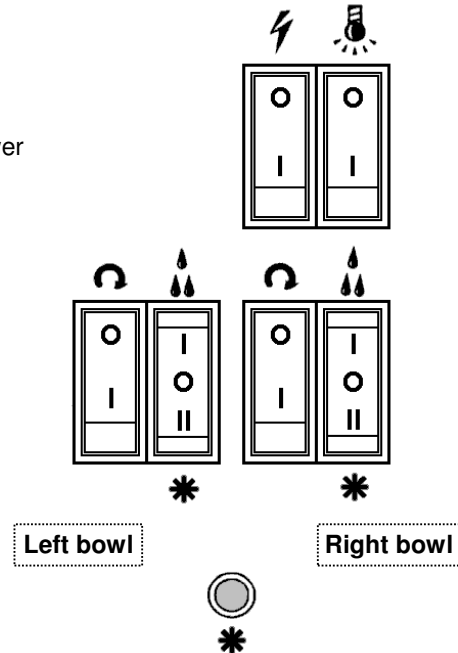


Figure 1

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.

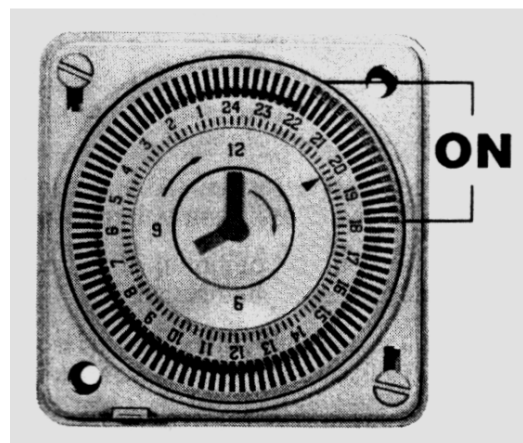


Figure 2

CLEANING & SANITIZING Instructions: Model GB-110,220,330 Dispensers

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

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 flavor 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.**

PART ONE. Disassembly and Cleaning of Dispenser:



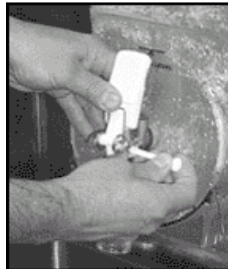
1. Turn OFF all Dispenser Switches



2. Unplug Lid Cord. Remove Lid and set it aside (Do not immerse it in water). Pour 1 to 2 Gal. Of Ward Water into Bowl to soften remaining product and aid draining. Wstirring with a Plastic Utensil will help melt product.

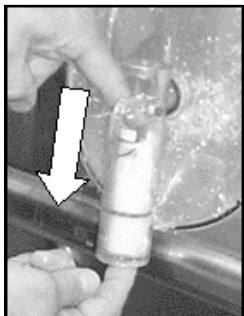


3. Drain all product and discard.

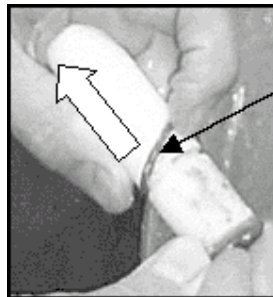


4. Pull Pin from Dispensing Valve. Place in a small plastic container for cleaning with other parts.
NOTE: Spring may come off. It can be replaced later. Refer to other Bowl Valve as reference for replacement.

KEEP ALL DISPENSING VALVE PARTS TOGETHER

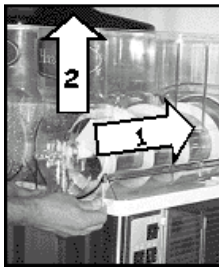


5. Push DOWN on Piston and remove it.

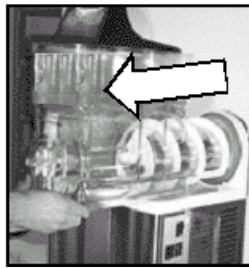


6. Carefully remove both "O"-Rings (there are two) from Piston. Use your fingers to do this. Anything else can tear the "O"-Ring causing leaks. Place the "O"-Rings and Piston in a small plastic container for cleaning with other parts.

CLEANING & SANITIZING Instructions: Model GB-110,220,330 Dispensers

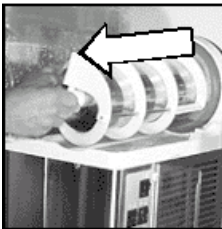


7a Push in / lift up

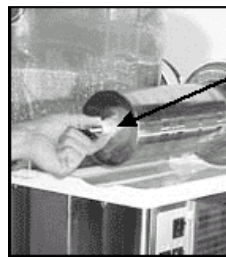


7b Pull off

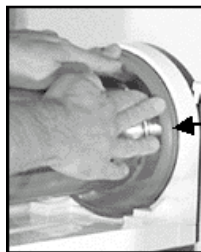
7 a, b. Remove Bowl. Push bottom of Bowl towards rear of dispenser, and lift UP until the Bowl Natch clears the dispenser base. Pull the Bowl off of the rear Gasket. Move Bowl back and forth slightly while pulling. Place in sink for cleaning with other parts.



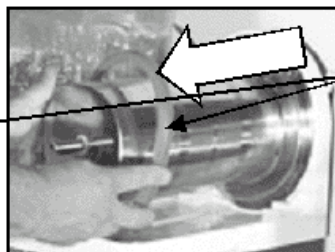
8. Grasp center of Spiral Agitator and pull towards FRONT of dispenser. Remove it and place in sink for cleaning with other parts.



9. Pull off Front Rubber Seal. Place in sink for cleaning with other parts.

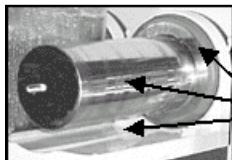


10a Pry Gasket off



10b Pull Gasket off

10 a, b. Pull off rear Bowl Seal Gasket. Place in sink for cleaning with other parts. Use fingers only. DO NOT pry off with a sharp object....it will tear the Gasket causing leaks.



11. Use a soft cloth or Sponge with warm water and a mild detergent to clean the Stainless Steel Freezing cylinder and area below it.

DO NOT USE THE CYLINDER TO LIFT OR MOVE MACHINE.

12 a,b,c,d. Use a soft Cloth or Sponge with warm water and a mild NON-ABRASIVE detergent to clean these parts. Rinse with warm water.



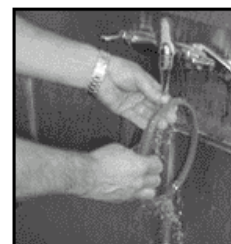
12a Bowl



12b Front Seal

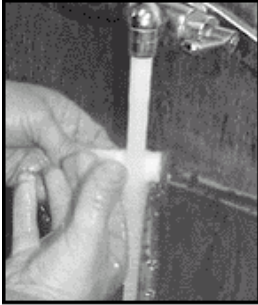


12c Spiral Beater Blade



12d Bowl Seal Gasket

CLEANING & SANITIZING Instructions: Model GB-110,220,330 Dispensers



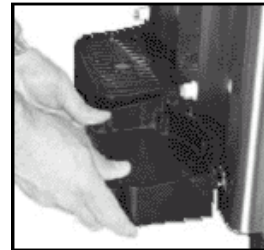
13a Piston



13b "O"-Rings

13 a,b. Clean Dispensing Valve Piston and both "O"-Rings with warm water and a mild detergent. After cleaning, install "O"-Rings back onto the Piston. Be sure they are seated in the grooves on the Piston.

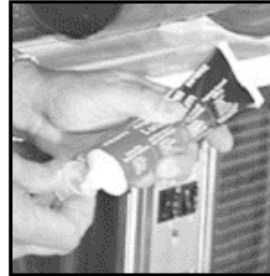
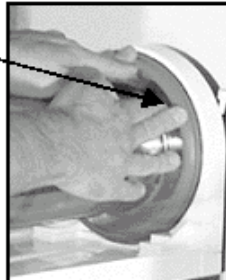
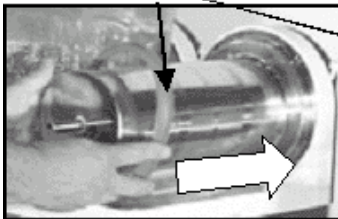
14. Remove and clean Drip Trays by lifting UP slightly and pulling OUT. After cleaning, re-install them.



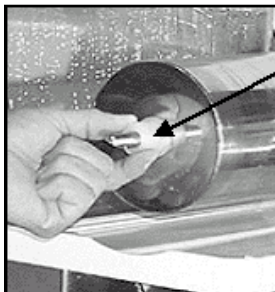
PART TWO. Re-assemble Dispenser:

15. Install Bowl Gasket with THICK END TOWARDS THE BACK of Dispenser.

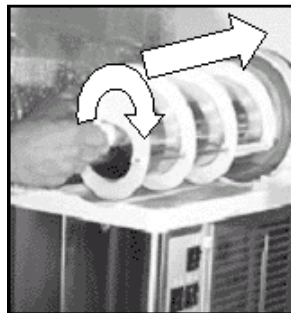
Gasket



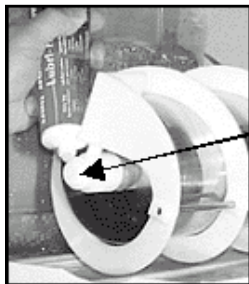
16. Lubricate Rubber Seal. Apply a small amount of approved food grade lubricant to the inside, cupped area of the seal. Spread it evenly around the area.



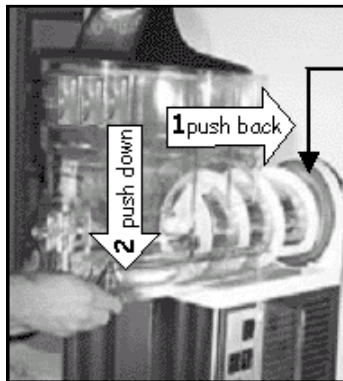
17. Install Rubber Seal onto the Drive Shaft at the front of the Stainless Steel Freezing Cylinder. Make sure the "Cupped" end of the seal is against the front surface of the Cylinder.



18. Install Spiral Blade over Freezing Cylinder. Make sure the slotted end of the drive shaft is seated in the slot of the Spiral Blade. Turn and push the Blade in to help seat.



19. Apply a small amount of foot grade lubricant to the end of the Spiral Blade. Spread it evenly over the end.

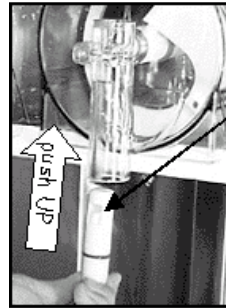


20. Install Bowl. Wet the Bowl Gasket with water and "twist" bowl back and forth while pushing it over the Gasket. Make sure the front end of the Spiral Blade seats in to the metal ring on the inside front of Bowl. Ensure the *Bowl Notch* at bottom of Bowl is pushed down onto the Dispenser Base.

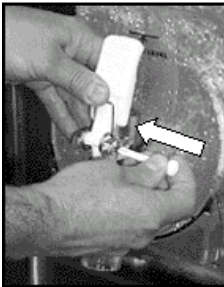
CLEANING & SANITIZING Instructions: Model GB-110,220,330 Dispensers



21. Lubricate Dispensing Valve Piston by applying a small amount of food grade lubricant on to each "O"-Ring. Spread lubricant evenly around the "O"-Rings.



22. Insert Piston up into clear plastic housing. Make sure slot in Piston is facing to the front.



23. Install Dispensing Valve Handle by inserting the bottom end into the Piston Slot. Push Handle (with spring in place) into the housing. Position it where the Handle hole aligns with the two Housing holes. Then push retaining pin in.

24. Repeat steps 1 thru 23 for opposite Bowl

PART THREE. Sanitizing Dispenser

25. Prepare (4) Gallons of Sanitizer solution using warm water and a Sanitizing agent approved for Food Handling Equipment. Mix this according to instructions for the Sanitizer or to a ratio of 200ppm. Caution: Read Sanitizer label instructions and follow all safety recommendations.

26. Pour (2) Gallons of sanitizing solution into each Bowl. Use a long handled soft bristle brush to wash all inside Bowl surfaces with the solution.

27. Use a Sponge or Soft Cloth dipped in warm soapy water to clean the top and bottom of the Bowl Lids. **DO NOT IMMERSE THE LIDS IN WATER.** As a final step, dip the sponge in the Sanitizer solution and thoroughly clean the bottom of the Lids.



28. Install both Lids on to the Bowls. Turn both Dispenser Switches "ON" and allow machine to run for 30 seconds. Turn Switches "OFF" and drain all sanitizer solution from Bowls.

Fill Dispenser with Fresh Product and turn Switches "ON" and allow to freeze (1 to 1 ½ Hrs.). Approximately (3) Gallons of Product per Bowl is required.

OPERATING TIPS

1. Keep bowls as full as possible during all open hours. Add fresh product frequently. Never let level drop below the "Minimum" line and never fill over the "Maximum" line.
2. Keep the Dispenser clean and Sanitized on a regular schedule.
3. Make sure Dispenser has at least 3" clearance on all sides for air flow.
4. Dispenser should be set to automatically go on "cold drink" mode during closing hours. Your ICEE Representative will adjust the settings for your hours.

Problems or Questions? Call The Carpigiani Company..800-648-4389..7 days including holidays.

CLEANING THE FAUCET

For machines with a handle locking system, remove the tap padlock and then take the locking tap rod away (#8 – arrow I), remove the fastener (#7 – arrow J), disconnect the dispensing handle (#1 – arrow K). By pushing upward (arrow L), take the spring (#3) out from its holder (#2 – arrow M), then push the piston downward (#6 – arrow N), remove the o-ring (#5 – arrow P) and the special gasket (#4 – arrow Q).

Proceed to clean everything with water and neutral soap, rinse and reassemble without damaging the gaskets as follows: put in place the special gasket (#4 – arrow A), put the o-ring (#5) back in its piston slot (#6 – arrow C), insert the spring (#3 – arrow D), put the cap in place (#2 – arrow E), put the handle in place (#1 – arrow F), insert the fastener (#7 – arrow G), and if you want to lock the tap, insert the locking tap rod (#8 – arrow H) and lock.

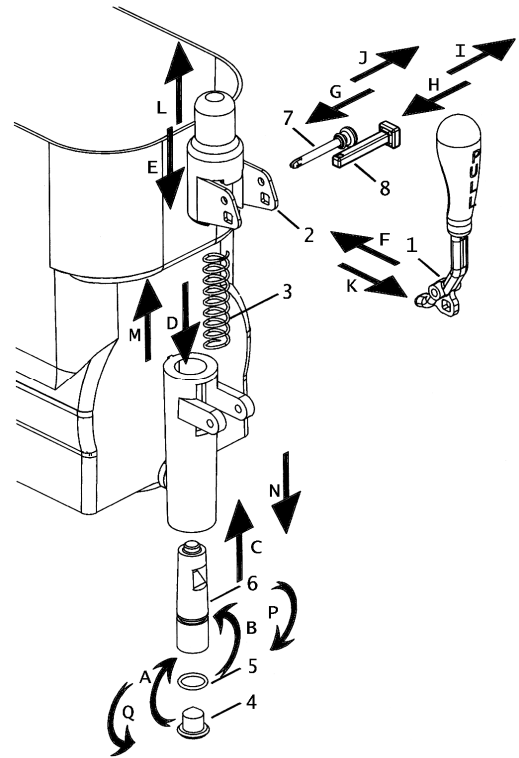


Figure 8

HOW TO OPERATE

1. The machines come from factory with a handle locking system (**fig 9**) (locker (3) not included).
To unlock, remove the locker and pull out the rod (1) (arrow **A**).
2. 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).**
3. 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 brix ratio (sugar content) of the product solution (liquid mix) should not be less than 11.

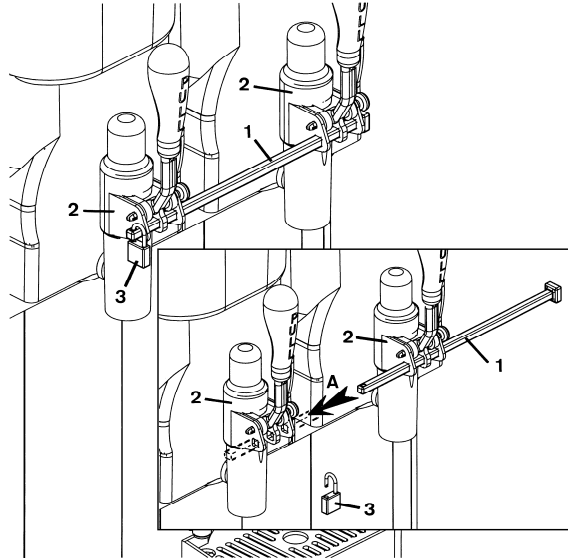


Figure 9

4. To access switches and timer, open the switch panel cover by pushing on the side (arrow **A**) and pulling (arrow **A'**) (**Fig. 10**).

To close the cover (arrow **B'**), push on the front (arrow **B**) until the clear plastic part (1) snaps closed (**Fig. 11**).

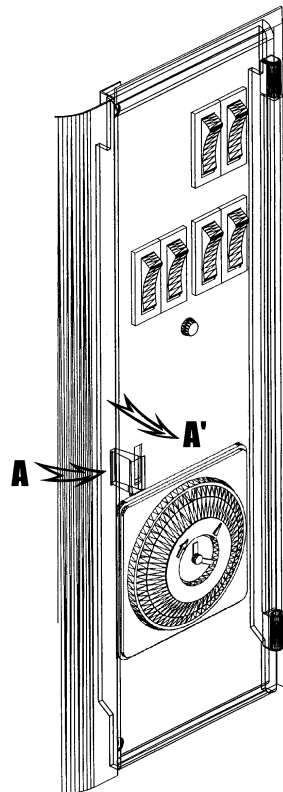


Figure 10

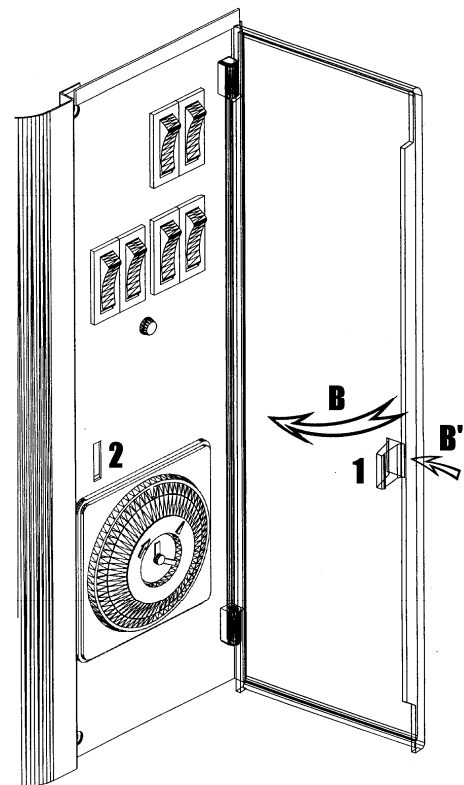


Figure 11

HOW TO OPERATE (cont'd)

4. To operate, press main power switch and agitator switch to **ON** position (Figure 12). **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.

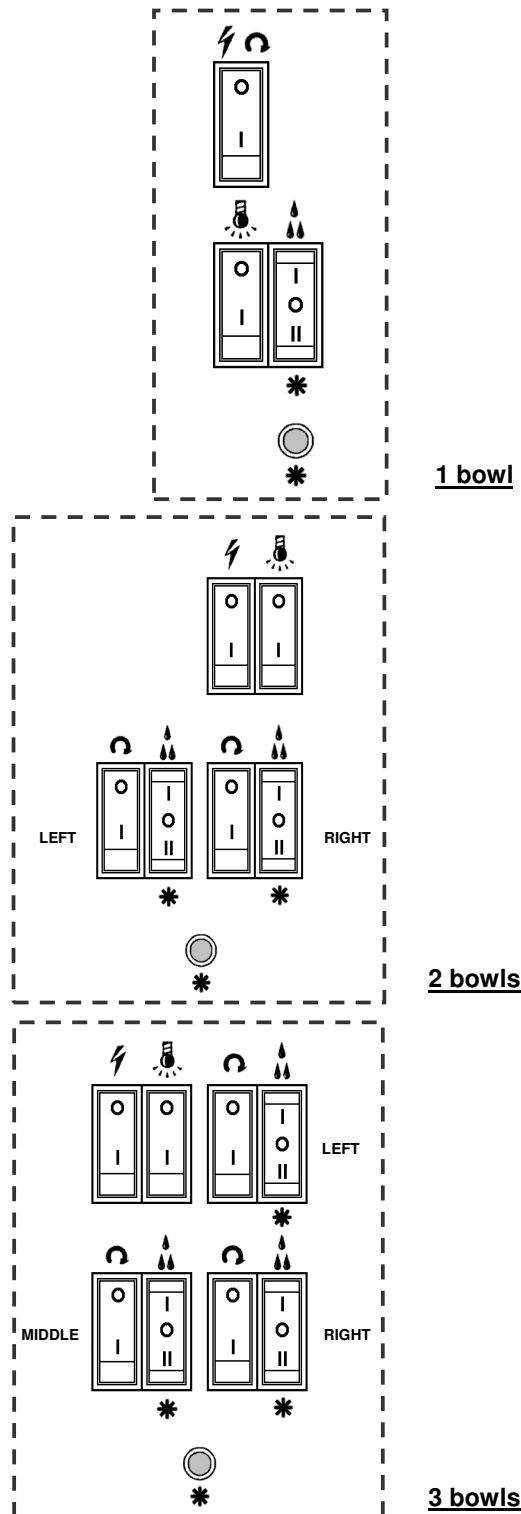


Figure 12

LIQUID DENSITY ADJUSTEMENT

To adjust the density/consistency of the slush there is an adjustment knob (**Figure 13, #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)

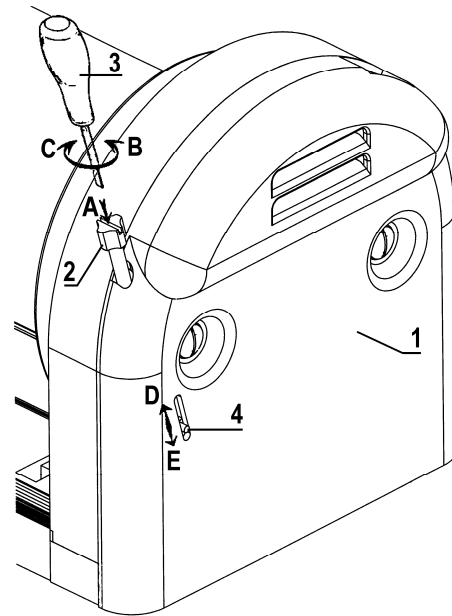


Figure 13

TANK WITH PADLOCK

Fitting the lid over the tank (**Figure 14**):

- 1º Slide the rim into the slot situated at the back of the tank. Lift slightly the front of the lid.
- 2º Lower the lid and fit onto the tank.
- 3º Insert the padlock into holes of the front rims of the tank and the lid. Close it.

Note:

- A. The lid can be turned back to front (reversible). Proceed as above.
- B. In order to take off the lid, the padlock must be opened and released; then follow the instructions in reverse order

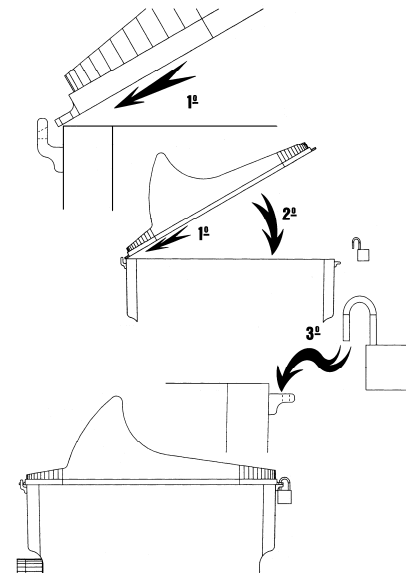
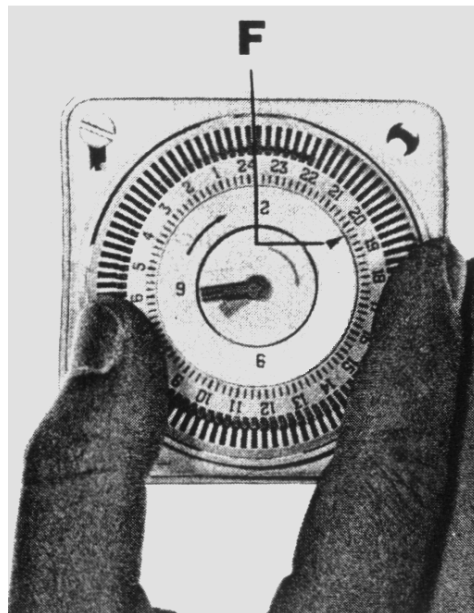


Figure 14

DEFROST TIMER PROGRAMMING PROCEDURES

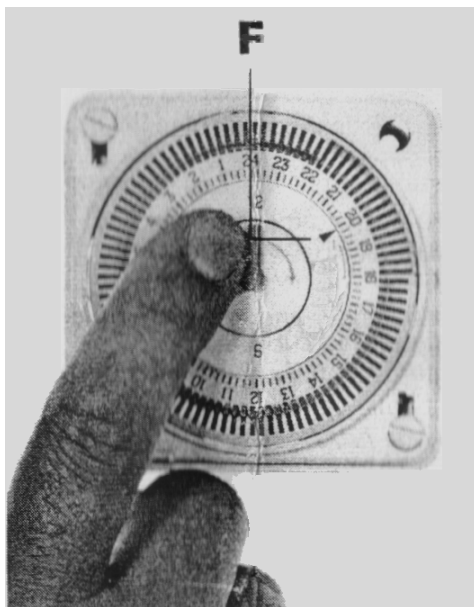
COARSE ADJUSTEMENT

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 : Th 20.00).

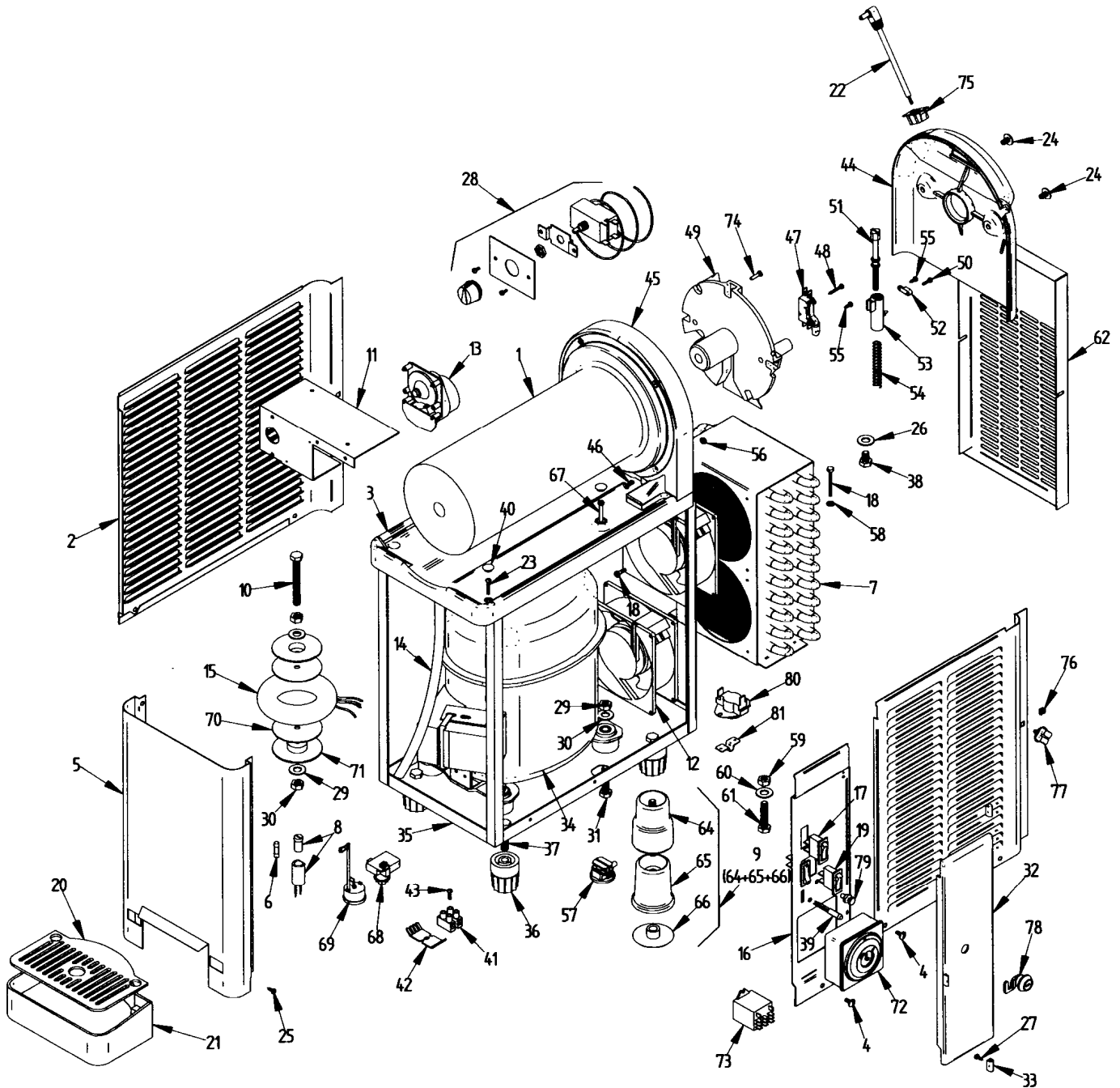


LIST OF COMPONENTS PARTS – Model GB-110 FF

#	Coldelite	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	SL310000305	Side Switch Panel GHZ-114 TP 02 CLDT
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	SL300310157	Zinc screw DIN 84 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.

#	Coldelite	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	SL300950587	Full micro switch GHZ V/99
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	SL300950427	Zinc screw DIN 84 M4x25
68	SL300951468	Compressor Relay NE2125KG 115/60
69	SL300951467	Compressor Klixon 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	SL300970114	Tap screw GB-10 grey
78	SL300951412	Locking
79	SL310000400	Locking special screw
80	SL310000119	Thermal disk protection
81	SL310000354	Thermal disk clamp SP USA

EXPLODED VIEW – Model GB-110 FF

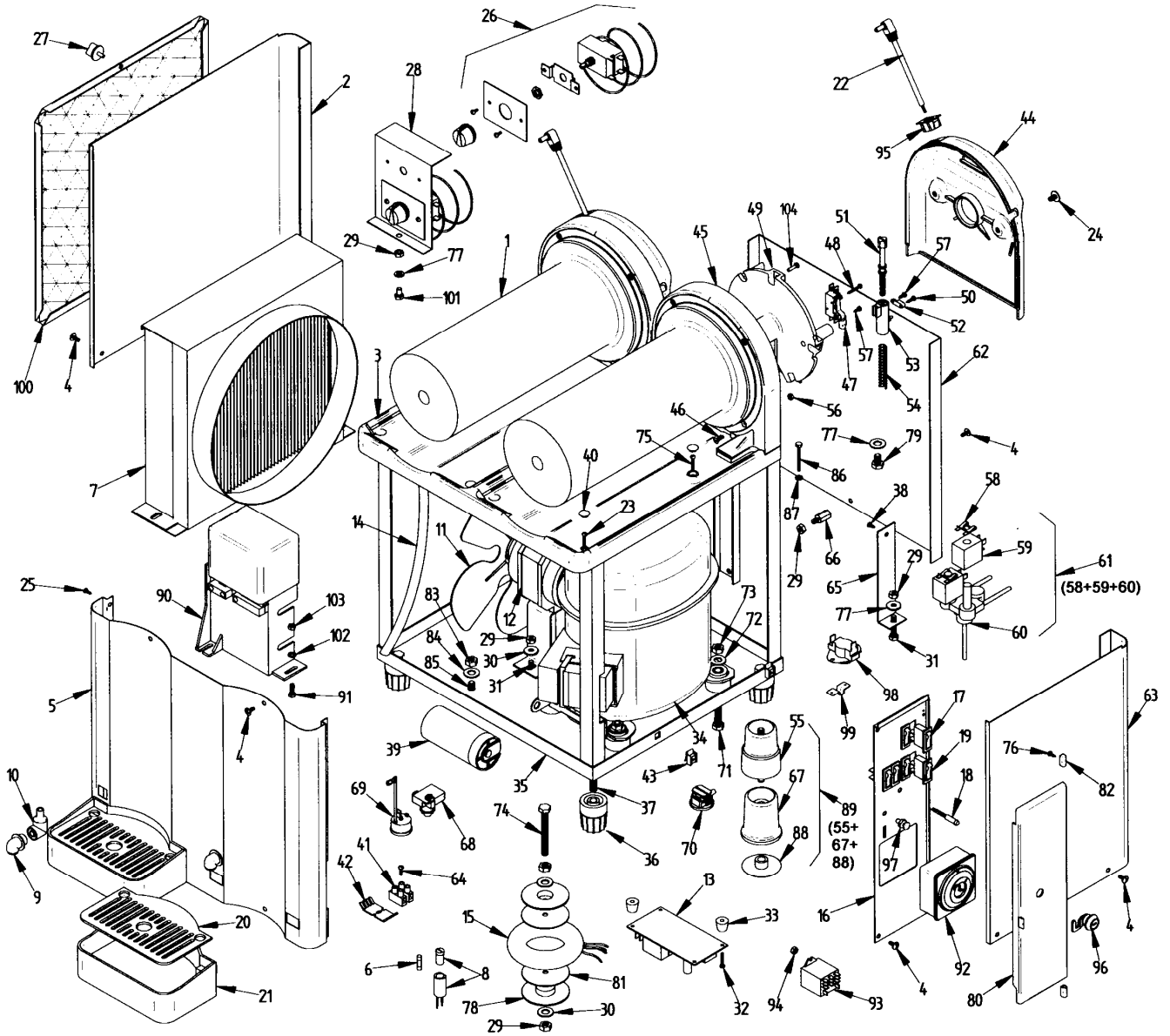


LIST OF COMPONENTS PARTS – Model GB-220 FF

#	Coldelite	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	SL300950427	Zinc screw D-84 M4x25
24	SL300310052	Stainless steel NFE 27128 M6x10
25	SL300950583	Zinc screw D-7981 B3'5x9'5
26	SL300350467	Thermostat GB RANKO K50 P1115
27	SL300970114	Tap screw GB-10 grey
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	SL300950587	Consistency control switch
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

#	Coldelite	Description
53	SL3GS12037B	Screw Guide & indicator- Consistency adj.
54	SL300950116	Consistency adjustment spring
55	SL300950833	Nut supplement foot
56	SL300310203	Hex nut -stainless steel 4mm
57	SL300950445	Screw – 2.9x9.5
58	SL300970155	Clamp-solenoid valve coil V/99
59	SL300951421	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 klixon 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	SL300950427	Zinc screw DIN 84 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	SL300900005	Hex nut 3 mm
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	SL300951921	Zinc screw DIN 7981 B-3'9x13

EXPLODED VIEW – Model GB-220 FF

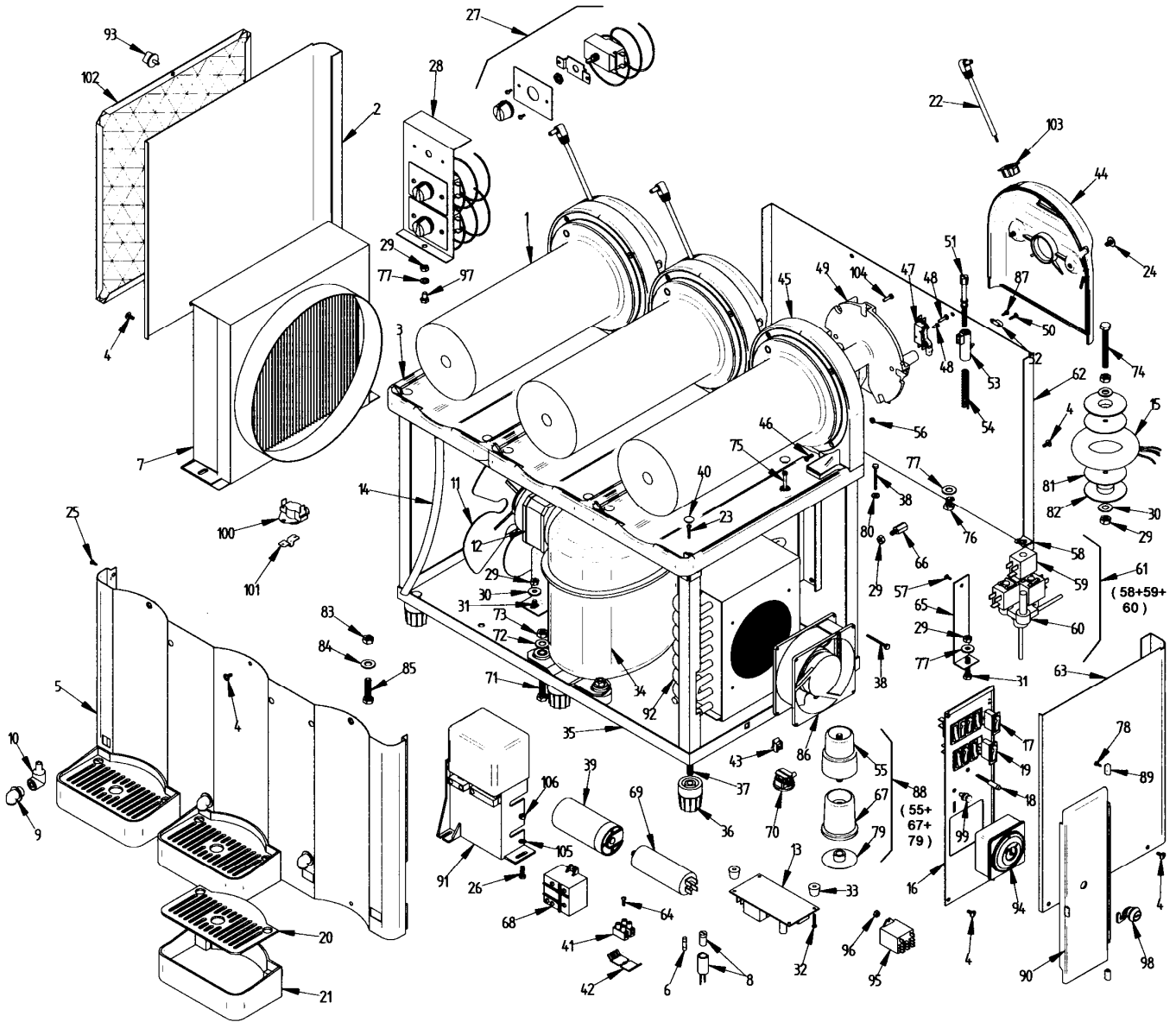


LIST OF COMPONENTS PARTS – Model GB-330 FF

#	Coldelite	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	SL377KU1N16	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	SL300310157	Zinc screw D-84 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	SL300310157	Screw 4x20 mm
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 gearmotor cover - Blue
45	SL300951868	Evaporator support GHZ PZ-1 white
46	SL300310042	Screw-Stainless Steel 4x12mm
47	SL300950587	Consistency control switch
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.

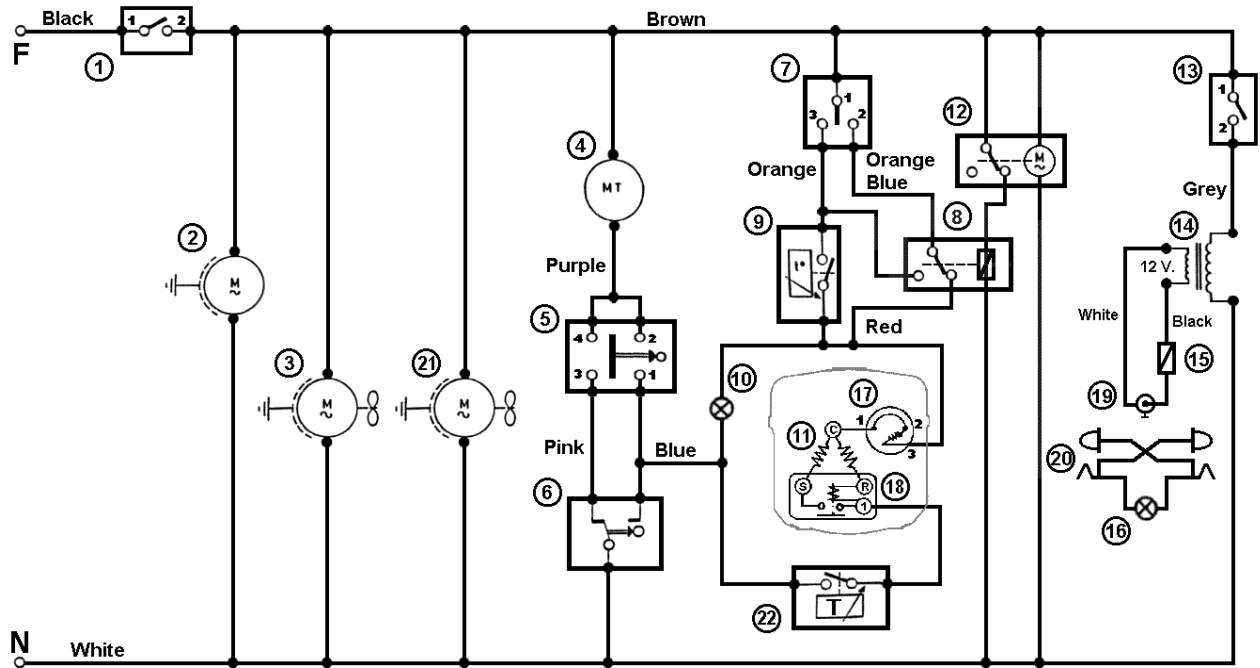
#	Coldelite	Description
54	SL300950116	Consistency adjustment spring
55	SL300950833	Nut supplement foot
56	SL300310203	Hex nut -stainless steel 4mm
57	SL300950265	Screw – 5x6mm
58	SL300970155	Clamp-solenoid valve coil V/99
59	SL300951421	Electrovalve bobbin 115/60
60	SL300970157	Triple solenoid valve 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	SL300950427	Zinc screw DIN 84 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	SL377TBH1411	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	SL300970114	Screw GB-10 grey
94	SL300970277	Daily hourly timer
95	SL300951365	Relay 115/60
96	SL300900005	Hex nut 3 mm
97	SL300310148	Zinc screw DIN 933 M6x10
98	SL300951412	Loking
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	SL300906167	Zinc nut DIN 934 M5
106	SL300310355	Zinc washer DIN 125 M5

EXPLODED VIEW – Model GB-330 FF



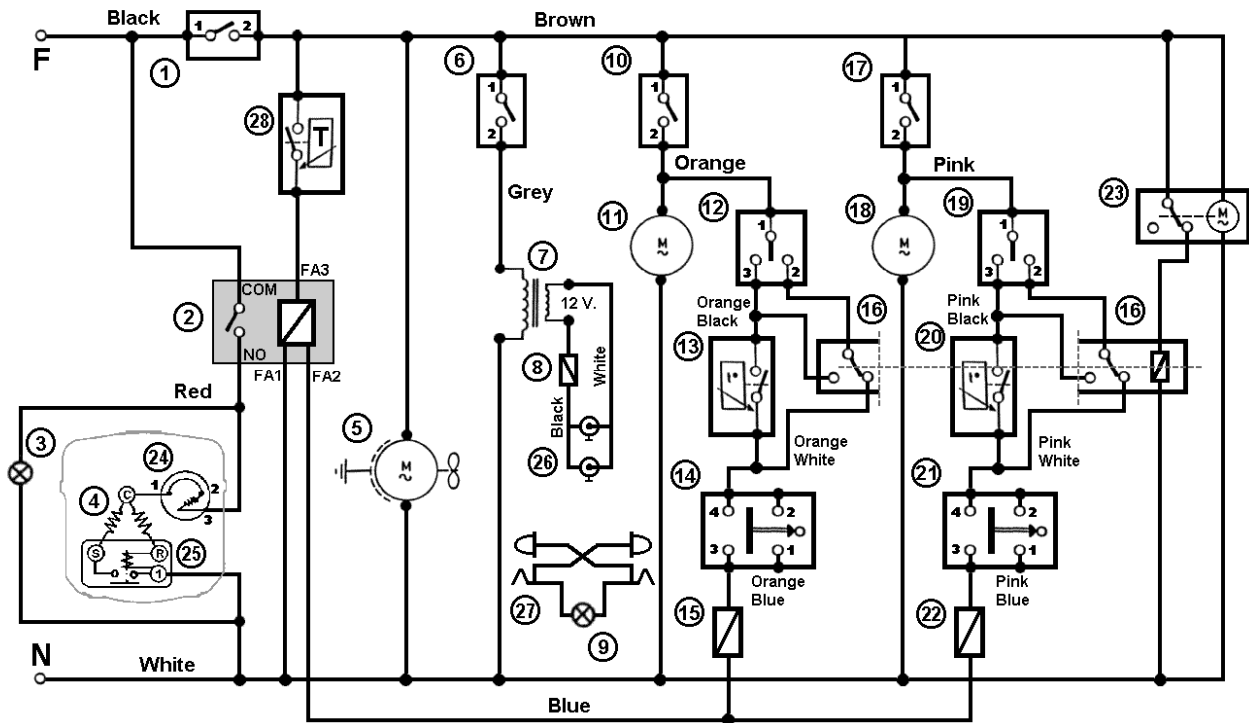
WIRING DIAGRAM – Model GB-110 FF

Number	Description	Number	Description
1	General switch and shovels	12	Hourly timer
2	Engine for shovels	13	Bowl light switch
3	Motor ventilator 1	14	Transformer
4	Timer	15	Full fuse holder
5	Micro regulation	16	Bowl light
6	Timer micro	17	Compressor klixon
7	Liquid/iced drink switch	18	Compressor relay
8	Switch relais	19	Connector light
9	Mechanical thermostat	20	Socket display lamp
10	Compressor pilot light	21	Motor ventilator 2
11	Compressor	22	Thermal disk protection



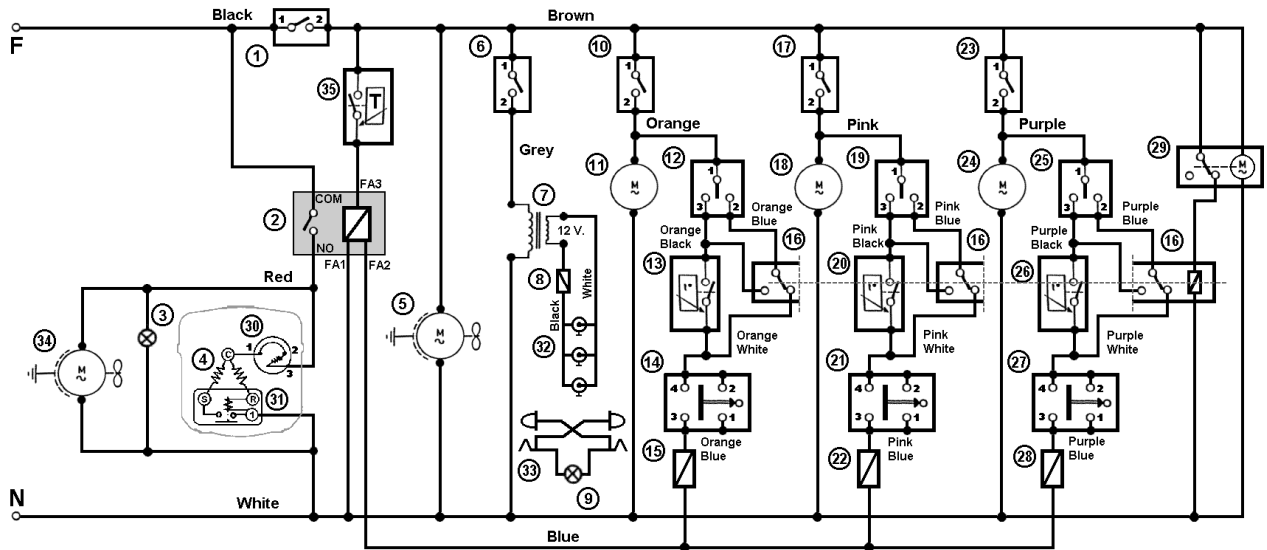
WIRING DIAGRAM – Model GB-220 FF

Number	Description	Number	Description
1	General switch	15	Left electrovalve
2	Electronic regulator	16	Switch relais
3	Compressor pilot light	17	Right shovels switch
4	Compressor	18	Engine for right shovels
5	Motor ventilator	19	Right liquid/iced drink switch
6	Bowls light switch	20	Right mechanical thermostat
7	Transformer	21	Right micro regulation
8	Full fuse holder	22	Right electrovalve
9	Bowls light	23	Hourly timer
10	Left shovels switch	24	Compressor klixon
11	Engine for left shovels	25	Compressor relay
12	Left liquid/iced drink switch	26	Connector lights
13	Left mechanical thermostat	27	Socket display lamp
14	Left micro regulation	28	Thermal disk protection



WIRING DIAGRAM – Model GB-330 FF

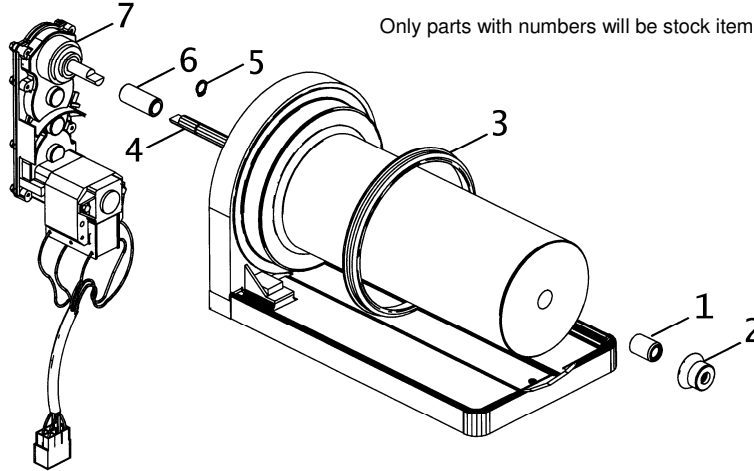
Number	Description	Number	Description
1	General switch	19	Central liquid/iced drink switch
2	Electronic regulator	20	Central mechanical thermostat
3	Compressor pilot light	21	Central micro regulation
4	Compressor	22	Central electrovalve
5	Motor ventilator 1	23	Right shovels switch
6	Bowls light switch	24	Engine for right shovels
7	Transformer	25	Right liquid/iced drink switch
8	Full fuse holder	26	Right mechanical thermostat
9	Bowls light	27	Right micro regulation
10	Left shovels switch	28	Right electrovalve
11	Engine for left shovels	29	Hourly timer
12	Left liquid/iced drink switch	30	Compressor klixon
13	Left mechanical thermostat	31	Compressor relay
14	Left micro regulation	32	Connector lights
15	Left electrovalve	33	Socket display lamp
16	Switch relay	34	Motor ventilator 2
17	Central shovels switch	35	Thermal disk protection
18	Engine for central shovels		



WATERTIGHTNESS AND TRANSMISSION ELEMENTS

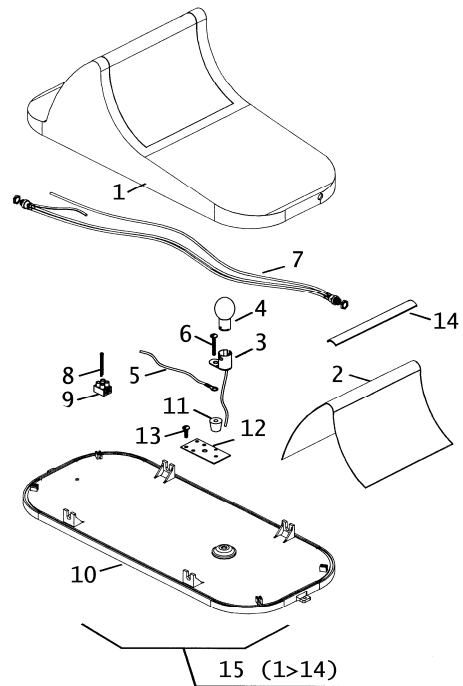
#	Coldelite	Description
1	SL300951752	Evaporator cap GHZ-14 2001
2	SL300951857	Watertight shaft joint GHZ-14 2002
3	SL3GS36007B	Tank joint
4	SL3GS12030A	Beater Drive Shaft
5	SL300950254	Shocket DIN 471 E-12
6	SL300950321	Transmission shaft racor GHZ-14 V/95
7	SL3MS4M015C	Gear motor 220/50 - 115/60 U.L.

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

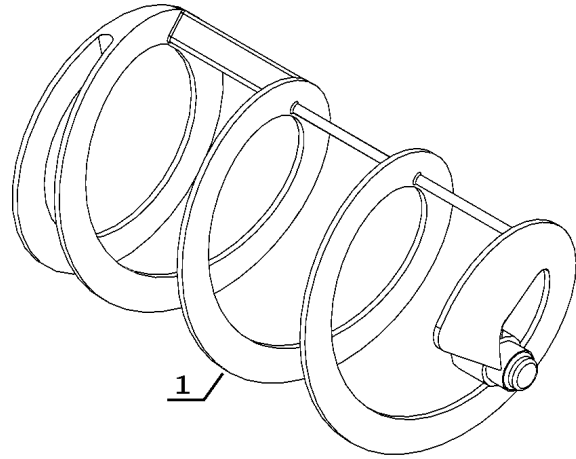


COVER GB

#	Coldelite	Description
1	SL300970269	Reversible mix tank Cover - Top (blue)
2	SL300951284	Diapositive
3	SL3GS24317A	Lamp holder B-15-S
4	SL300950100	Lamp 21W. 12V.
5	SL300950679	Wire-Display Lamp Ground
6	SL300310157	Zinc screw D-84 M4x20
7	SL300970252	Full cable cover
8	SL300310633	Terminal connection block
9	SL300950646	Terminal Block - display light
10	SL300951583	Mix tank Cover Base v/padlock
11	SL300950075	Supplement
12	SL300950350	Display Lamp Shocket Bracket
13	SL300950583	Zinc screw D-7981 B3'5x9'5
14	SL300970355	Transparency cover sujection blue
15	SL300970256	Mix Tank Cover Assembly v/padlock - Blue

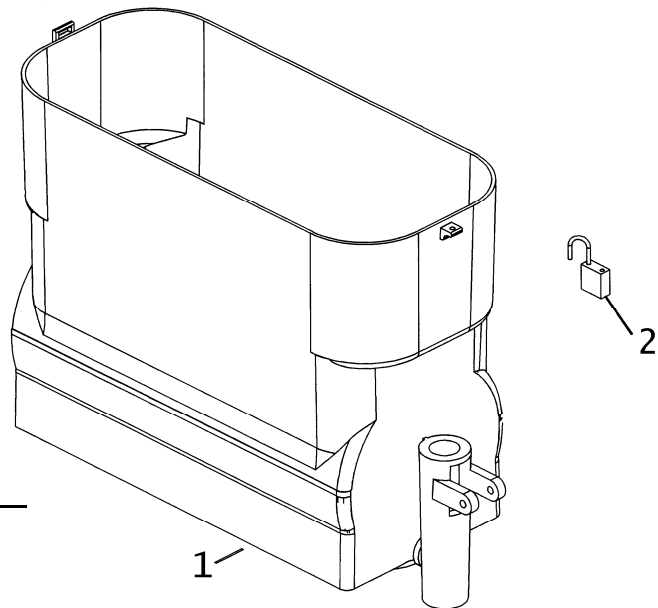


SPIRAL SHOVEL



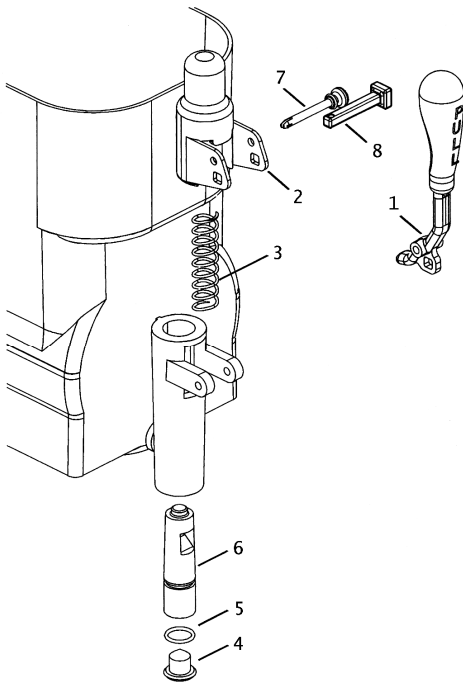
#	Codelite	Description
1	SL3GS12009D	Mixer Blade Assembly GHZ-14

TANK AND SHOVEL GUIDE



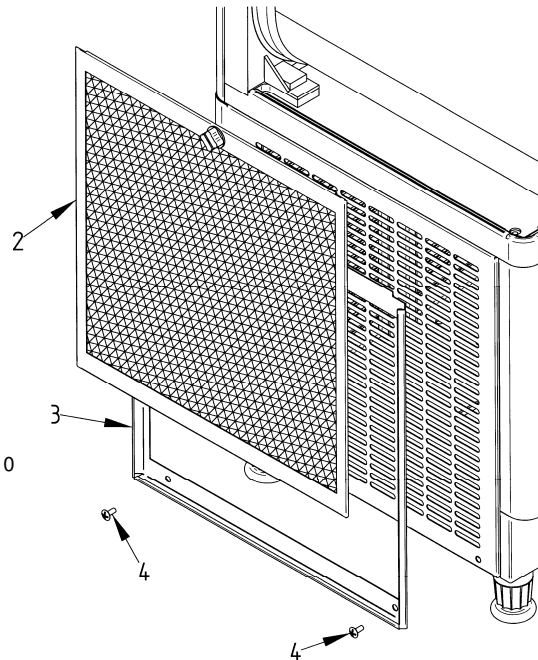
#	Codelite	Description
1	SL300951582	Mix Storage Tank v/padlock
2	SL300951369	Padlock

COMPLETE TAP GB-14 RP v.2001



#	Codelite	Description
1	SL300951606	Dispensing handle GHZ USA -white
2	SL300951601	Spring cap GHZ USA -white
3	SL300951647	Tap spring GHZ USA
4	SL300950258	Piston special gasket
5	SL300950194	Tap gasket
6	SL300951604	Tap piston GHZ USA
7	SL300951605	Tap fastener GHZ USA -white
8 ₁	SL300951660	Locking tap rod GB-110 2001 -white
8 ₂	SL300951607	Locking tap rod GB-220 2001 -white
8 ₃	SL300951608	Locking tap rod GB-330 2001 -white

EXTERNAL FILTER 02



#	Reference	Description
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



P.O. Box • 4069 Winston Salem, NC 27115 • 336-661-9893 • 336-661-9895 (Fax)

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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