USER MANUAL

GRANITA SLUSH MACHINE

MODEL: GRANITA-1N, GRANITA-2N, GRANITA-3N

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Warning!

To operate the slush machine properly, please read below instruction carefully.

The product should be placed for 24h before turning it on.

When using the new product, it needs at least 30-45 minutes to produce the frozen

smoothies for the first time.

Please NOTE: The the total capacity of the mix or recipe(liquid) inside the cylinder needs to be above the minimum level line and below the maximum level line.

Please NOTE: The sugar content of the mix or recipe must be between 13%~17%.

Please NOTE: The recommended sugar content of the mix or recipe is 15%.

Please don't use Coca-Cola, sodium, beers, cocktail, cyclamate, saccharin, juice or other substance which contains too MUCH water but too LITTLE sugar.

Please NOTE: If you have to use alcohol in this machine, please make sure to regularly wipe the condensation water on the outside of the bowls to prevent the outside from freezing. It's advisable to add the alcohol after the slushy has been served or to serve it separately.

If there is too much water in your mix, it will eventually cause the agitator shaft freezing and then stop spinning. Instead, if there is too much sugar, it is difficult for the machine to freeze the mix properly.

If this happens, please follow below instruction to solve it:

1. Power off the machine IMMEDIATELY, don't force to run the machine again, otherwise, one of the small plastic clips inside the agitator shaft would be damaged.

2. EMPTY and DRY the tank, let the ice blocks inside the agitator shaft COMPLETELY melt. It is recommended to dry it at least 72 hours to make sure ice blocks inside the motor and agitator shaft melt completely.

3. CHANGE your recipe IMMEDIATELY. It is the KEY point TO SOLVE THE PROBLEM. The recommended recipe is water/granulated sugar=10kgs/1.5kgs. Granulated sugar is recommended. Please don't add Coca-Cola, beers, wine, cocktail, sodium cyclamate, saccharin, juice or other substance which contains too much water but too little sugar. **The sugar content of the mix or recipe must be at least 13%.**

4. Power on the machine and turn on frozen button for each tank.

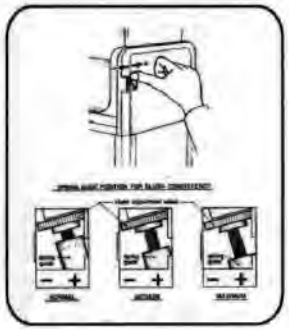
General Use of The Machine

❶ Place machine on a flat surface Leave at least 25cm on all sides for air circulation to avoid overheating.Optimum romm temperature range:25℃-32℃.

❷ Pay attention to the voltage, Be sure there is a ground pole, Do not plug more than one machine in to one socket, Extensions cords not recommended.

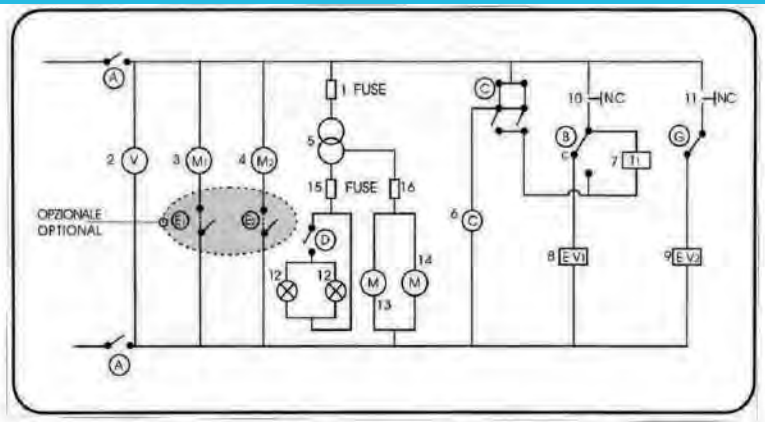
❸ Mix product in a separate container if your product is a liquid concentrate, or powder, to be mixed with water, do not dilute more.There must be at least 13% sugar content to avoid breakage of ice scraper blade.

❹ Never turn machine on without product in bowl or with only water in bowl. Pour product into bowl to "max" line [never add a hot product].Do not let product go below "min"line [keep at least 1 " above cylinder at all times].Refill with refrigerated product when level is halfway bet ween min and max levels, This way there will always be frozen product available for customers),

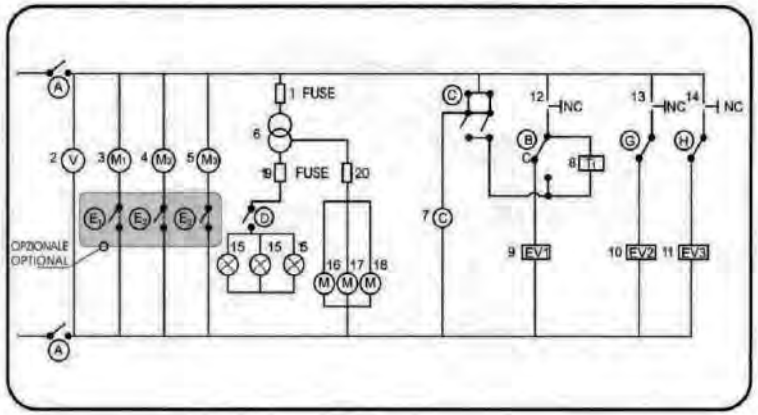


❺ Adjustment for slush consistency,The machine has been adjusted for fruit granitas [normal],Products containing milk, or other products which may take longer to freeze, adjust" +" as showm in picture.

Diagram

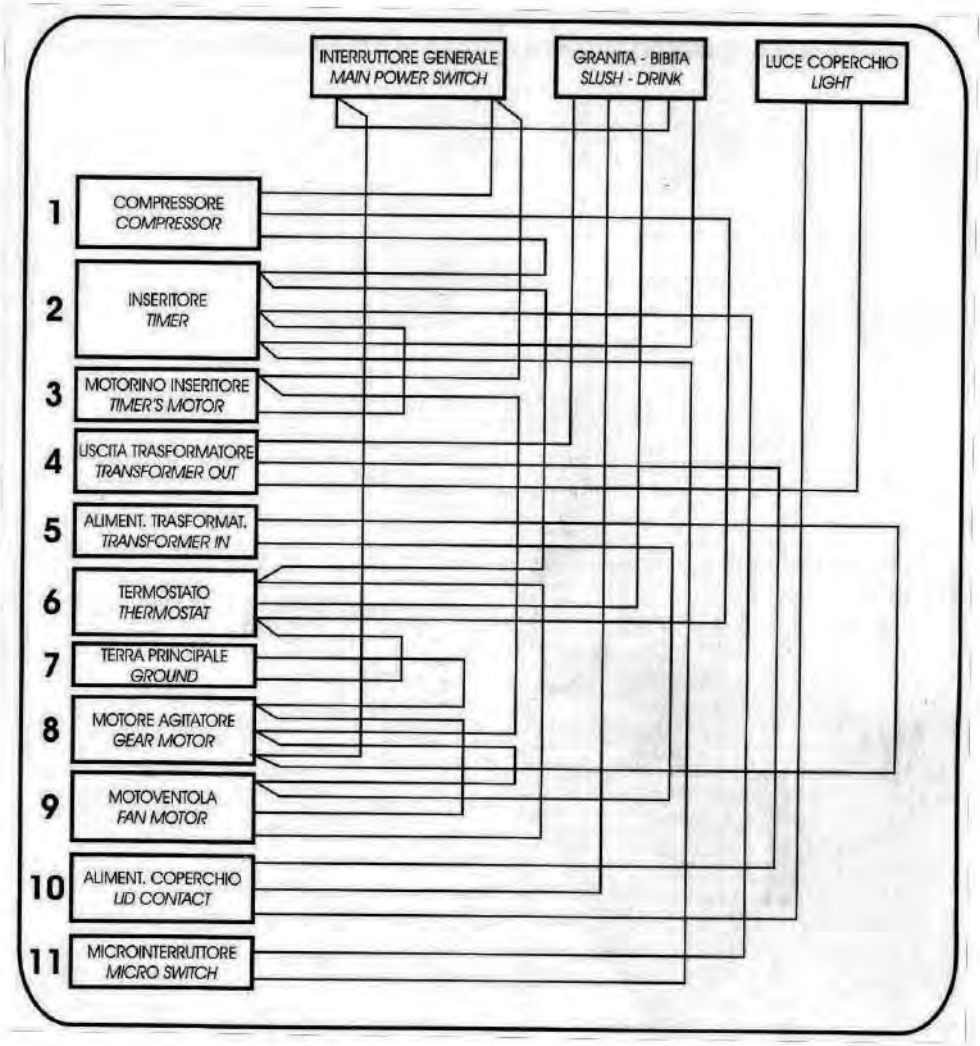


58 1)Fuse
2)Gear motor 1
3)Gear motor 2
4)Transformer
5)Compressor
6)Thermostat 1
7)Electro-valve 1
8)Electro-valve 2
9)Micro-switch t
10) Micro-switch 2
11) Light
12) Agitator motor 1
13) Agitator motor 2
14) Fuse
15) Fuse
A)Main power switch
B)Individual bowl freeze/refrigeration switch
C)Main freeze/ refrigeration switch (Mod./2 and Mod./3) Switch
D) Light switch
G) Individual bowl freeze/refrigeration switch (Mod./2 e Mod./3] E1 E2) Individual bowl agitator switch



59 1)Fuse
2) Fan motor
3) Gear motor 1
4)Gear motor 2
5)Gear motor 3
6)Transformer
7) Compressor
8)Thermostat 1
9)Electro-valve 1
10)Electro-valve 2
11)Electro-valve 3
12) Micro-switch 1
13)Micro-switch 2
14)Micro-switch 3
15) Light
16)Agitator motor 1
17)Agitator motor 2
18)Agitator motor 3
19)Fuse
20)Fuse
A)Main power switch
B)Individual bowl freeze/refrigeration switch
C) Main freeze/ refrigeration switch (Mod/2 and Mod,/3]
D)Light switch
G)Individual bowl freeze/refrigeration switch(Mod,/2 and Mod,/3] HI Individual bowl freeze/ refrigeration switch (Mod,/2 and Mod,/3)E1-E2-E3] Individual bowl agitator switch

Diagram



57 1) Compressor
2)Timer micro-switch
3)Timer motor
4) Transformer 1
5)Transformer 2
6) Thermostat
7) Ground
8)Gear motor
9)Fan motor
10)Lid power
11) Motor micro-switch

General Use of The Machine

SWITCH FUNCTION

❻ Triple bowl

POWER	FREERE	MIXER1	MIXER2	MIXER3
OFF	OFF	OFF	OFF	OFF

❼ Double bowl

POWER	FREERE	MIXER1	MIXER2
OFF	OFF	OFF	OFF

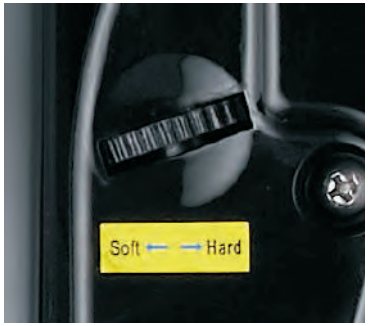
❽ Single bowl

POWER	FREERE	MIXER
OFF	OFF	OFF

General Use of The Machine

❾

❿

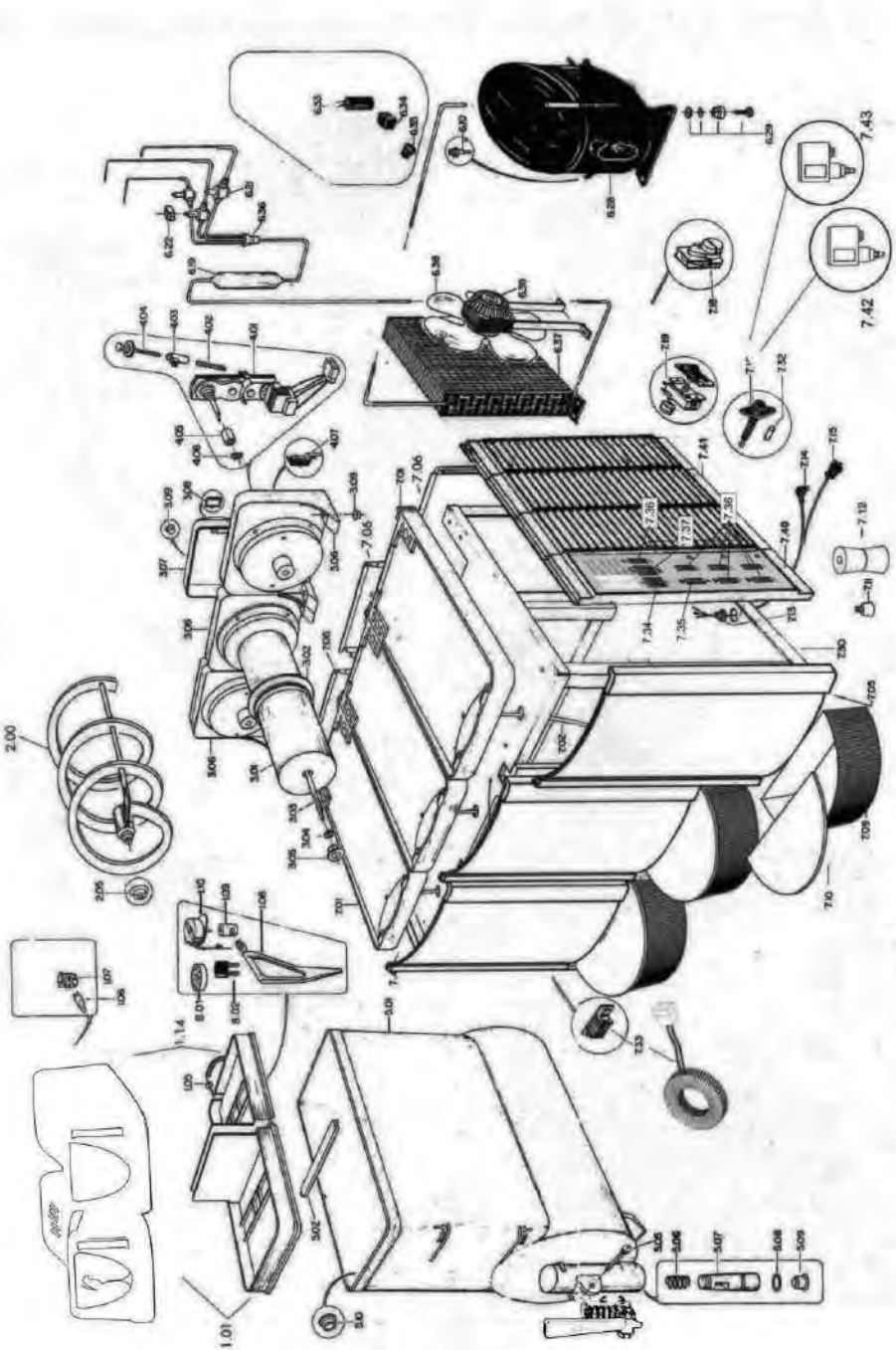


⓫ SOFT AND HARD SWITH:
TURN LEFT-SOFT,
TURN RIGHT-HARD

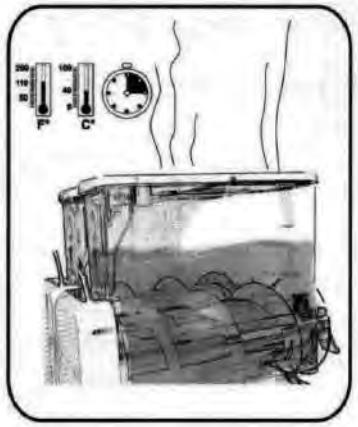
Spare Parts List

1.01	Coperchio con sottocoperchio anteriore	Complete frontal upper cover
1.02	Spina cilindrica	Lid's hinge
1.05	Filo estensibile	Extensibile cable
1.06	Lampada alo.gena	Halogen lign.
1.07	Portalampada	Light socket
1.08	Agitatore supplementare	Additional agitator
1.09	Giunto per agitatore	Agitator joint
1.10	Motoriduttore424V	24 V Gear motor
1.12	Coperchio completo posteriore	Complete back cover
2.00	Elica completa	Spiral assembly
2.05	Guarnizione ventosa	Suction cap gasket
3.01	Evaporatore completo	Complete evaporator
3.02	Guarnizione vasca	Bowl gasket
3.03	Albero di trasmissione D12	D12 Transmission shaft
3.04	Anello di tenuta	Sealing ring
3.05	Boccola per evaporatore D19	Evaporator bushing D19
3.06	Supporto evaporatore	Evaporator support
3.07	Coperchio supporto eveporatore	Cover for eva_porator support
3.08	Sportello regolazione granita	Mini-door for slush adjustment
3.09	Coprivite	Screw cover
4.01	Motoriduttore	Gear motor
4.02	Molla regolazione granita	Spring for slush adjustment
4.03	Guida molla	Spring guide
4.04	Ruota regolazione granita	Wheel for slush adjustment
4.05	Boccola ottone	Brass bushing
4.06	Anello di arresto	Clamping ring stop
4.07	Microinterruttore	Micro-switch
5.01	Vasca 10 lt	10 Lt. bowl
5.02	Traversa	Cross-bar
5.04	Leva	Handle
5.05	Perno fissaggio leva	Pin for handle fixing
5.06	Molla rubinetto	Tap pin
5.07	Perno rubinetto	Tap o-ring
5.08	Or rubinetto	Lower gasket for tap
5.09	Guarnizione inferiore rubinetto	Bowl bushing
5.10	Boccola per vasca	Mod./1 compressor 110V/60HZ
6.01	Compressore Mod./1 110V/60HZ	Mod./1 compressor220V/60HZ
6.01	Compressore Mod./1 220V/50HZ	Mod./1 compressor 22~
6.01	Compressore Mod./1 220V/50HZ	Mod. 1 capacitor
6.03	Condensatore avv. Mod. 1	Mod. 1 compressor relay
6.04	Rele' compressore Mod. 1	Mod. 1 compressor protector
6.06	Salvamotore Mod. 1	Mod./1 condenser
6.07	Condensatore Mod. 1	Mod./1 fan motor 110V/60HZ
6.08	Motore ven-latore Mod. 1 110V/60HZ	Mod./1 fan motor 220V/50-60HZ
6.08	Motore ventilatore Mod. 1 220V/50-60HZ	Mod./1 20 gm Filter
6.09	Filtro 20 gr Mod./1	Charge valve
6.10	Valvola di carica	
6.11	Compressore Mod./2 110V/60HZ	Mod./2 compressor 110V/60HZ
6.11	Compressore Mod./2 220V/50HZ	Mod./2 compressor 220V/50HZ
6.11	Compressore Mod./2 220V/50HZ	Mod./2 compressor 220V/60HZ
6.16	Condensatore avviamento	Mod. 2 capacitor
6.17	Rele' compressore	Mod. 2 compres. relay
6.18	Salvamotore Mod. 2	Mod. 2 compres. protector
6.19	Filbo 20 gr	20 gm Filter
6.21	Corpo meccanico elettrovalvola	Electovalve (Mechanical part)
6.22	Bobina 110/60HZ	Coil 110/60HZ
6.22	Bobina 220/50HZ	Coil 110/60HZ
6.22	Bobina 240/50HZ	Coil 110/60HZ
6.22	Bobina 220/60HZ	Coil 110/60HZ
6.22	Condensatore Mod./2	Mod./2 condenser
6.24	Ventola D 254-28~ per motom 16 W	D 254-28 fan for 16 W motor
625	Motom vent. Mod. 2 110V/60HZ 16W	Mod. 2 fan motor 110V/60HZ 16W
6.26	Motom vent. Mod 2220V/50-60HZ 16W	Mod 2 fan motr 220V/50-60HZ 16W
6.26	Compressore Mod./3 110V/50HZ	Mod./3 compressor 110V/60HZ
6.28	Compressore Mod./3 220V/50HZ	Mod./3 compressor 220V/50HZ
6.26	Compressore Mod./3 220V/50HZ	Mod./3 compressor 220V/60HZ
6.26	Cond. di av. Mod. 3	Mod. 3 start capacitor
6.34	Rele compressore Mod. 3	Mod. 3 compres. protector
6.35	Salvamotore Mod. 3	Mod. 3 corepres, protector
6.36	Distributore ottone 3 vie	Three way brass distributor
6.37	Condensatore Mod. 3	Mod. 3 condenser
6.38	Ventola D 254-34 g	Fan D 254-34
6.39	Motore vent. 220V/50-60HZ Mod. 3 25W	Mod 3 fan motr 220V/50-60HZ 25 W
6.39	Motore vent. 110V/60HZ Mod. 3	Mod. 3 fan motor 110V/60HZ
7.01	Piano gocciolatoio	Water drip surface
7.02	Tubo uscita condensa	Tube for condensation outlet
7.05	Pannello portavaschetta	Drip bay panel
7.06	Pannello posteriore Mod.1	Back panel Mod. 1
7.06	Pannello posteriore Mod. 2/3	Back panel Mod. 2/3
7.08	Angolare	Angle bar
7.09	Vaschetta raccogligocce	Drip tray
7.10	Griglia vaschetta	Grate for drip bay
7.11	Piedino	SupDorting foot
7.12	Piedino America	American cable
7.13	Formacavo	Terminal blod-s cable camp
7.14	Cavo alimentazione	Feeder cable
7.15	Cavo America	Fuse holder
7.16	Portafusibile	16 A fuse
7.17	Fusibile 10 A	4 A fuse Mod. 2-3 UL
7.17	Fusibile 4 A Mod. 2-3 UL	Fusibile 25 A Mod. 2-3 UL
7.17	Fusibile 25 A Mod. 2-3 UL	Mod. timer motor 220/50-60 HZ
7.18	Inseritore ciclico 220V/50-60HZ Mod. 1	Mod. timer motor 110V/60 HZ
7.18	Inseritore ciclico 110V/60HZ Mod. 1	Thermostat
7.19	Termostato	25 VA transformer 220/240 12-24
7.23	Tras- 25 VA 220-240/12-_24V	25 VA transformer 115-V12-24V
7.23	Trasformatore 25 VA 115V/12-24V	25 VA transformer 220V-240V/12V-24V
7.24	Tras. 60 VA 220V-240V/12V-24V	25 VA transformer 220V-240V/12V-24V
733	TrasformatGe 80VA 220V-240V/12V-24V	80 VA transformer 115V/12V-24V
7.33	Trasto- 80VA 115V/12V-24V	Main power switch
7.34	Interruttore generale	Individual bowl freeze-refrig. switch
7.35	Int. dev. granita bibita	Light switch
7.36	Interruttore luce	Individual bowl agitator switch
7.36	Interruttore motore agitatore	Individual bowl agitator switch
7.36	Interruttore mot o- aci-Ide superiore	Main freeze-refrig. switch
7.37	Interruttore dev bipol. granita/bibita	80 VA transformer 115V/12V-24V
7.39	Trasformat. 60VA 115V/12-24V	ABS control panel
7.40	Fianco portacomandi ABS	ABS vent hole side panel
7.41	Fiancogrigliato ABS	Low pressostat
7.42	Pressostato bassa	High pressostat
7.43	Pressostato alta	Bearing
8.01	Cuscinetto	Condenser
8.02	Condensatore	

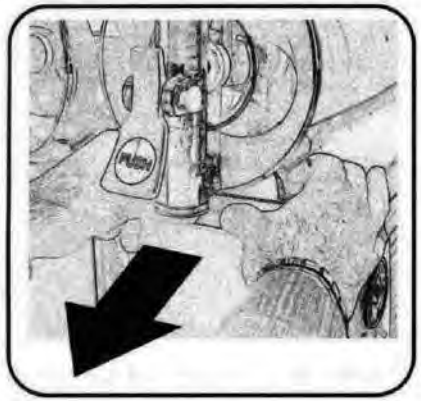
Spare Parts List



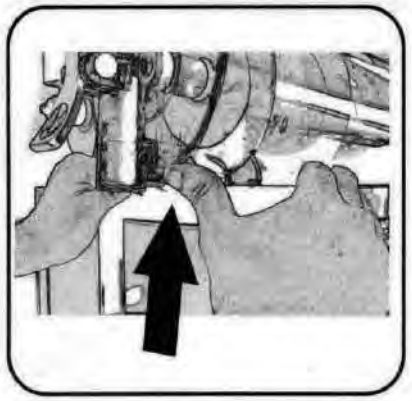
Maintenance



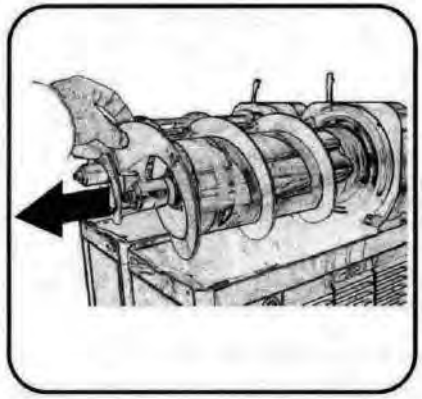
⓬To emply bowl:turn power off. Drain product. Fill bowl with tepid water, Let stand 15 minutes



⓮Slowly remove bowl, as shown in picture.Wash parts with tepid water. Never use detergent.Do not use abrasive cleaners,

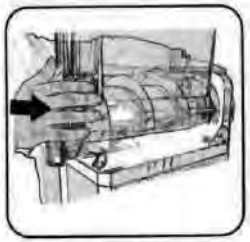


⓭To remove bowl for thoroughly cleaning: Attention~ Before raising bowl make sure that it is completely empty. Drain product, Turn poweroff. Raise bowl at front until legs"pop" out, as shown in picture,



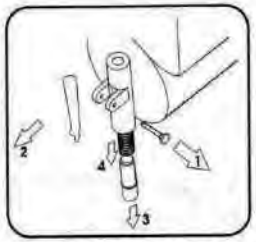
⓯Remove spiral blade, as shown in picture, Remove large gasket at back of machine, as shown in picture,Wash parts with tepidwater and disinfectant,

Maintenance

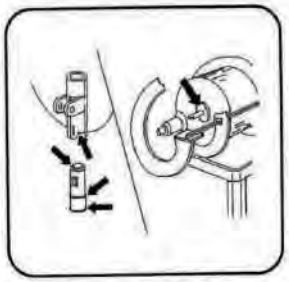


16 Replacing parts:
1)Replace gasket. Be sure seal is tight with no gaps against backof machine. Seal is best when starting at bottom+pressing with thumbs on each side towards the top;
2)Replace auger.
3) Replace bowl. Slide on and press against gasket.

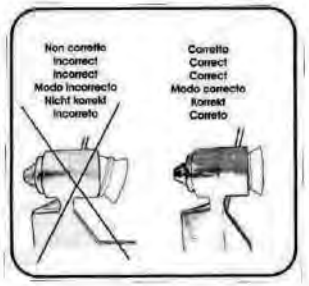
17 Using thumbs, press on both legs until they snap in place.Replace lid.
ATTENTION: WHEN USING A MILK BASED PRODUCT,THOROUGHLY CLEAN EVERY DAY. PERIODICALL YCLEAN UNDER O-RING ON TAP



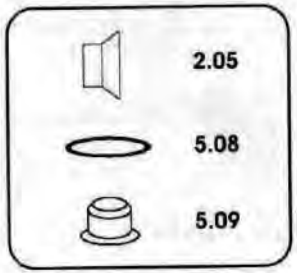
18 Remove spout and separate parts in following order:
1) Pin
2) Handle
3) Tap pin
4) Tap spring Wash spout parts in warm water and disinfectant. Then lubricate Tap.



19 Daily, or after each thorough cleaning lubricate where indicated

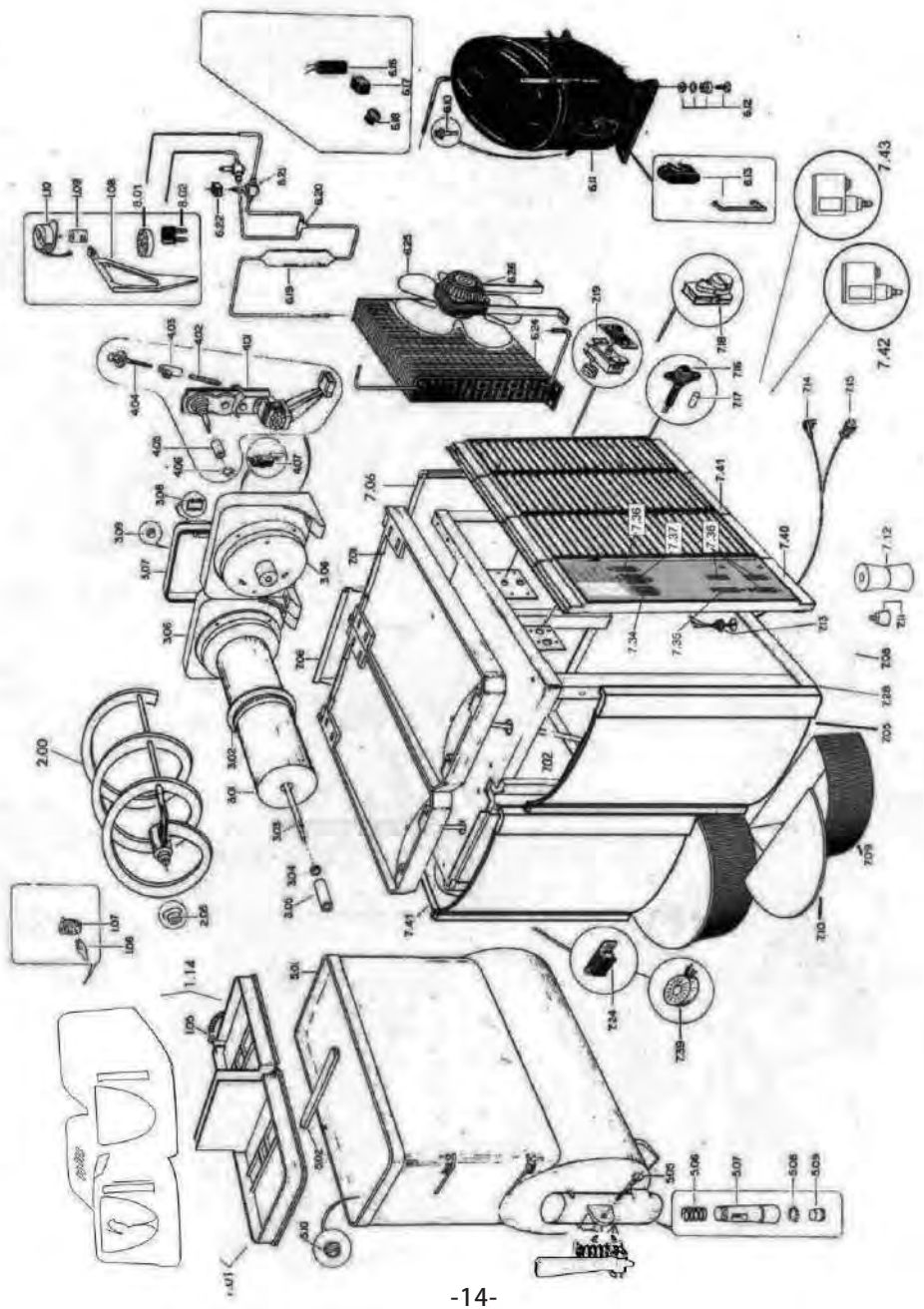


20 Push suction cap gasket into spiral head deeply. Be sure that cap gasket is properly positioned, as shown in picture.

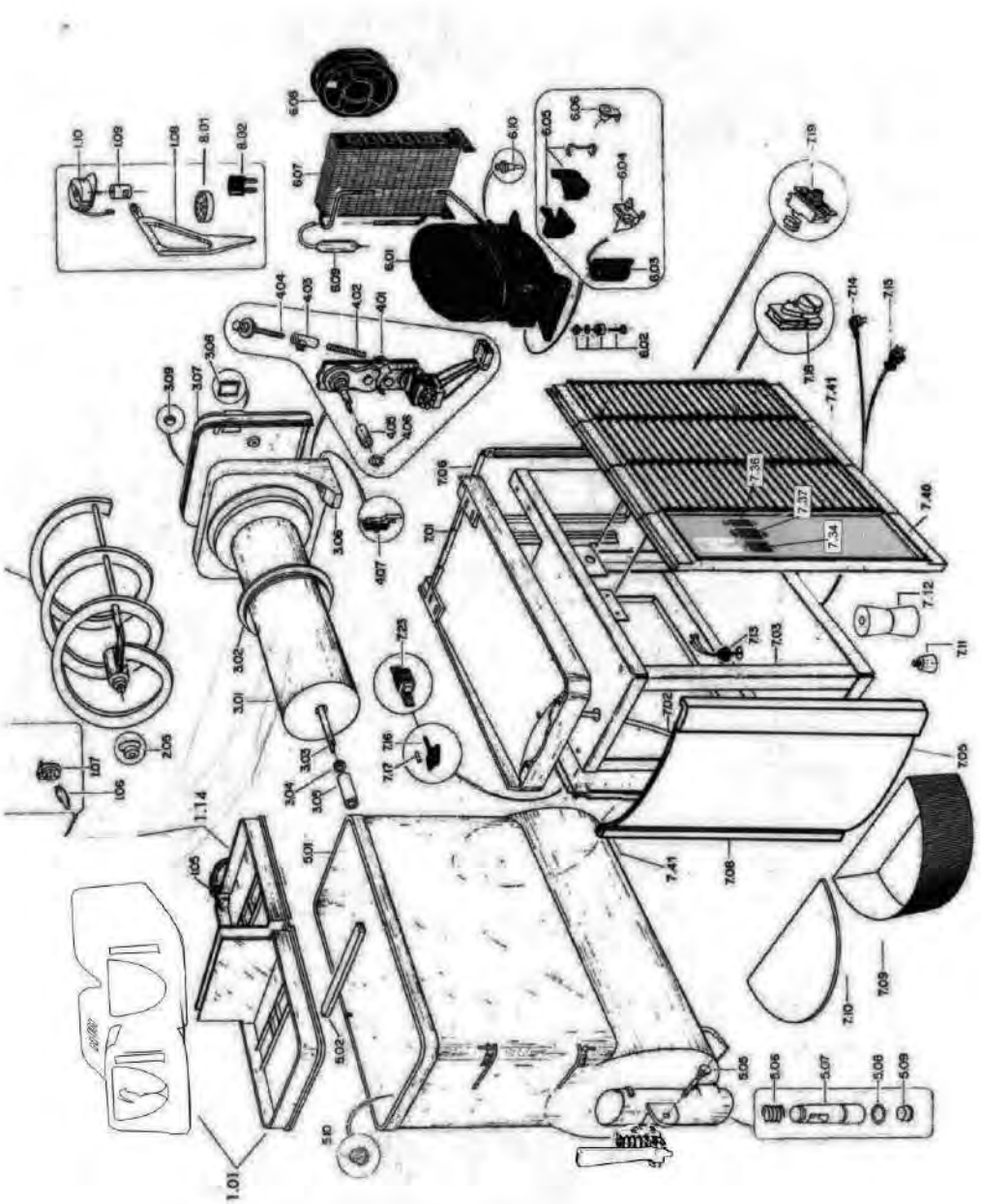


21 Every month check following parts:
5,08 Tap o-ring
5,09 Lower gasket for tap

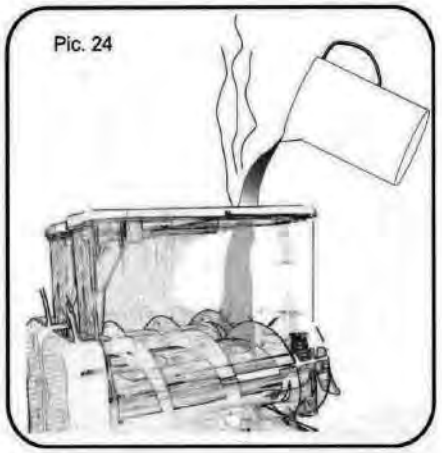
Spare Parts List

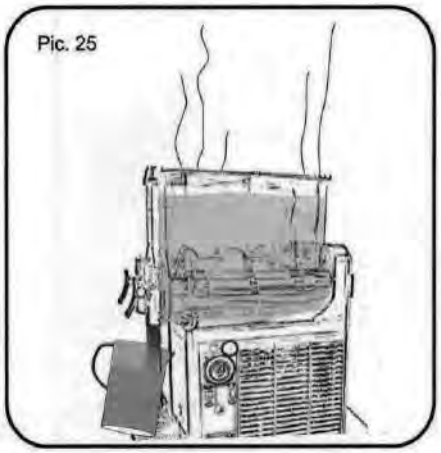


Spare Parts List



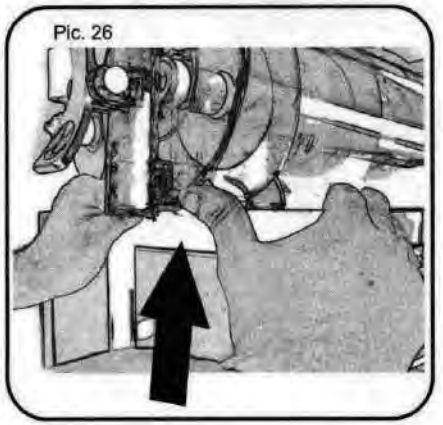
Basic Sanitizing & Cleaning

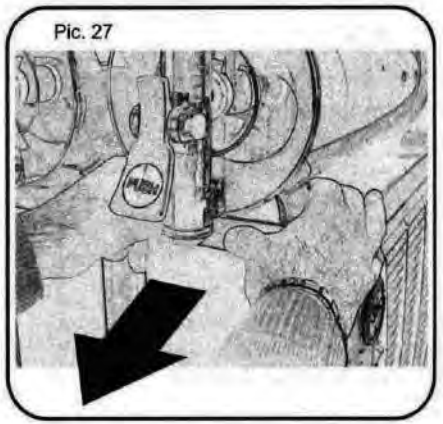




22 Turn power off. Fill the tank with tepid water and empty it just using the tap (see Pict.24 & 25)

23 For an easy removal of the bowl. Please follow instructions shown in Pictures26 & 27.





24 Place fingers under the front lower part of the bowl, near the tap, and push upwards until legs pop out.

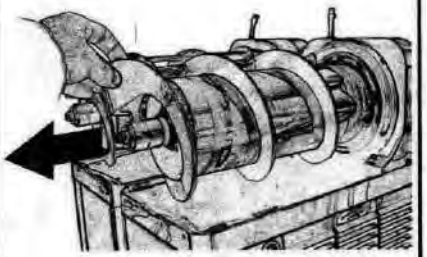
27 Place fingers behind the bowl legs and pull the bowl onwards slowly until it has been completely removed.

25 ATTENTION: Place all the components in a safe place in order to be sure they are not lost.Clean the components with dish–washing soap and tepid water. Never useabrasive cleaners.

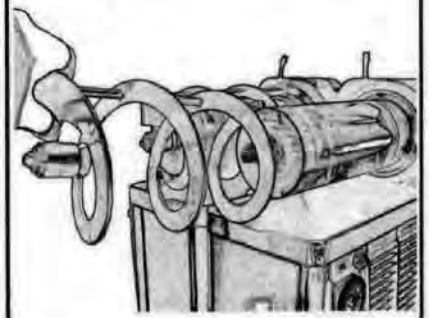
26 NOTE: Do not use too hot water to clean the plastic components.
2,05 Suction cap gasket,

Basic Sanitizing & Cleaning

Pic. 28

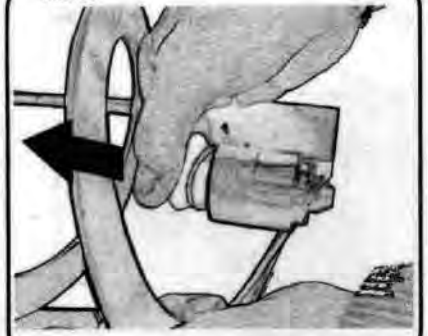


Pic. 29

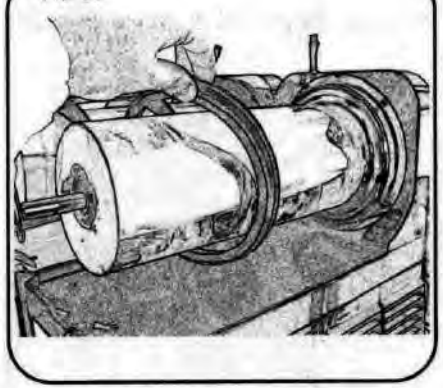


28 To remove spiral blade put fingers on the plate part of the spiral and pull it onwards gently as shown in Pict. 28 & 29.

Pic. 30



Pic. 31



29 Once the spiral blade is removed completely remove the suction cap gasket from the front spiral as shown inPict. 30

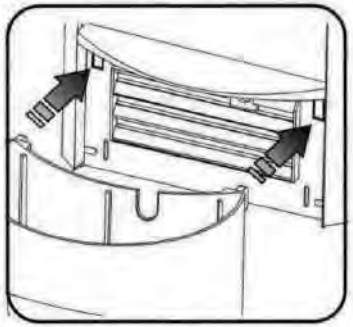
33 Remove bowl gasket from the back part of the evaporator tube (see Pict. 31).

30 ATTENTION: Place all the components in a safe place in order to be sure they are not lost,remove the suction cap gasket from the front spiral as shown inPict. 30

31 Clean the components with household bleach and tepid water. Never use abrasive cleaners.

32 NOTE: Do not use too hot water to clean the plastic components.

Reassembly of The Components



53 Fit in the drip tray on the panel by inserting the hookings into the appropriate slots.

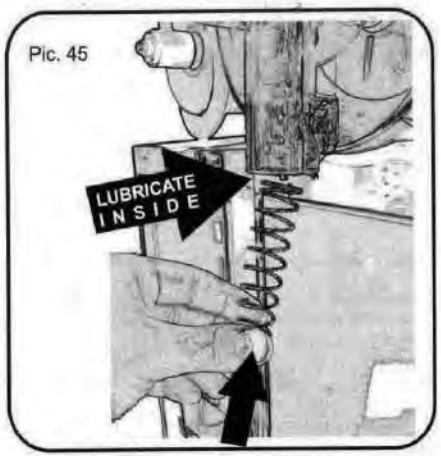
54 Fix the drip tray by inserting the hookings into the panel slots.Make sure that the discharge tube is placed correctly ["1"),
Push the drip tray downwards to fasten it in the panel bookings("2")

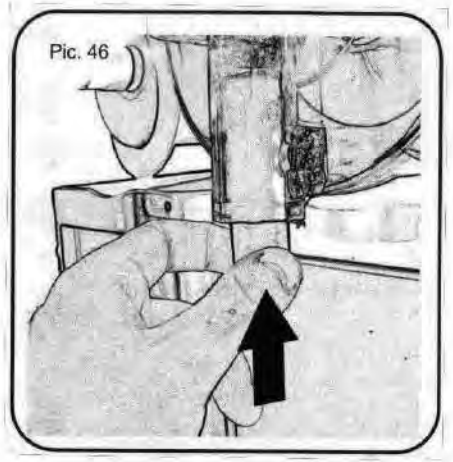
55 Insert the grate as shown in the drawing ("1") by placing thetongue first and then rotating it a bit until it is in the right position C"2"].

56 CONDENSER CLEANING Remove side panels, Clean condenser with a brush every week,Attention! A dirty condenser can cause compressor damage.

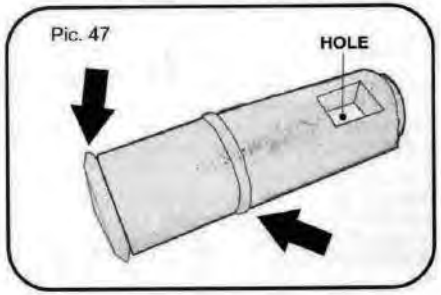
Reassembly of The Components

50 Before reassembling of the tap components lubricate by water the tap siege as indicated in Pict. 45 and lubricate with abundant water the seals as indicated inPict.47

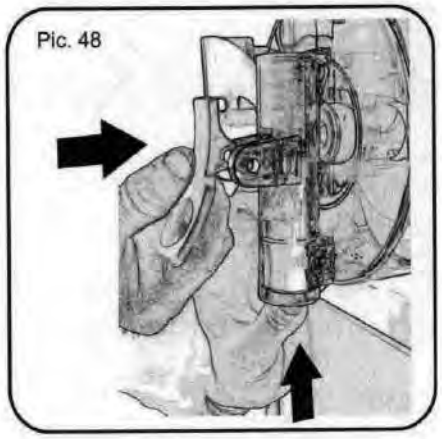


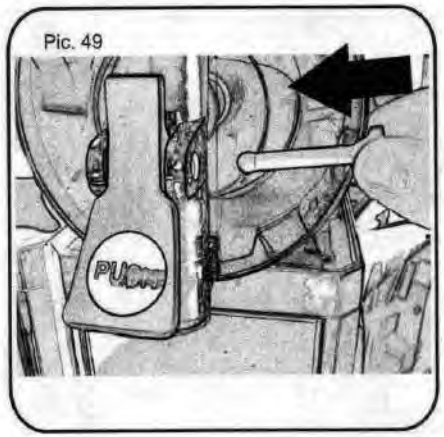


51 Insert the tap spring and tap pin as indicated in Pic. 45 and 46.

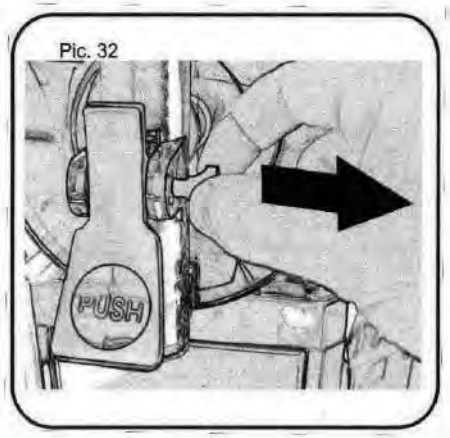


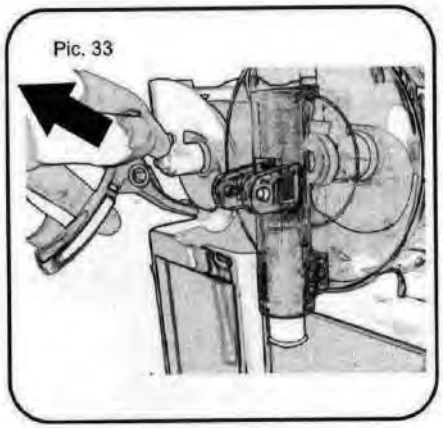
52 When inserting the main tap pin please be careful that the little square hole (see Pic. 47) is placed right in front of you.Before inserting the tap pin lubricate with abundant water.Keep the tap pin pressed upwards until you are able to see the square hole where you will insert the handle (see Pict. 48). Insert the pin for handle fixing as indicated in Pict. 49.





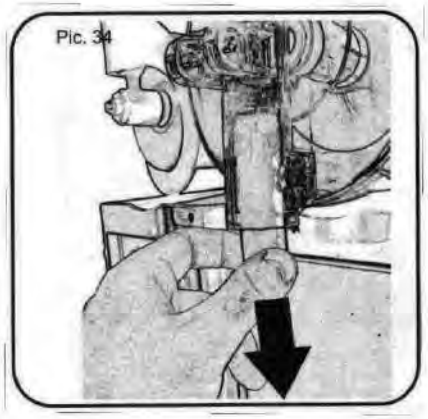
Basic Sanitizing & Cleaning

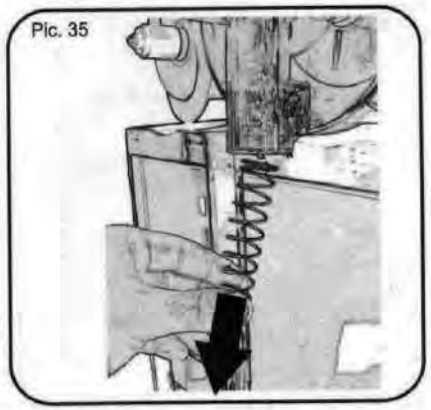




34 1 – Pull out the pin for handle fixing (see Pict. 32).

35 2 – Pull the handle from its place (see Pict. 33).





36 3 – Unthread the main tap pin by pulling it downwards (see Pict.34)

37 4 – Repeat the same operation for the tap spring (see Pict. 35)

38 ATTENTION: Place all the components in a safe place in order to be sure they are not lost.

39 Clean the components with household bleach and tepid water. Never use abrasive cleaners.

40 NOTE: Do not use too hot water to clean the plastic components.

Basic Sanitizing & Cleaning

How toclean each part

Pic. 36

41 clean the lower gasket for tap as shown in Picture 36.overheating,Optimum romm

Pic. 37

42 clean the bowl gasket along all the edges as shown in Picture 37.overheating,Optimum

Pic. 38

43 clean the lower gasket for tap as shown in Picture 38

Pic. 39

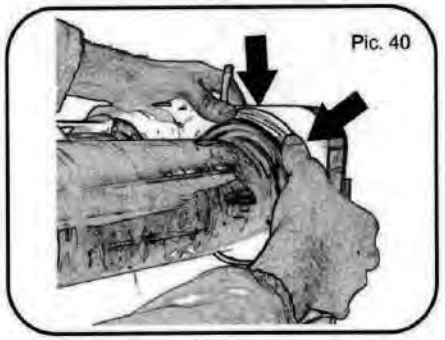
44 clean the bowl gasket along all the edges as shown in Picture 39shown in Picture 39

45 ATTENTION: Clean the gaskets carefully. Do not use aggressives detergents or abrhasive products. Softly wet the surfaces by the use of a brush. It is recommended to proceed with the cleaning of all gaskets with abundant water

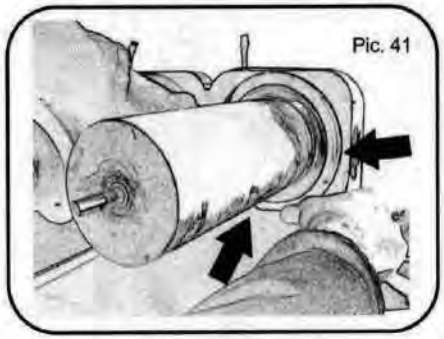
Reassembly of The Components

46 Reassembly of the parts removed during the cleaning. Before reassebling of parts, clean the evaporapor tube and drip trays & grids without using abrasivecleaners. Before reassemblyng the bowl gasket rinse it with water in order to facilitate the assemblyof the bowl.

Pic. 40

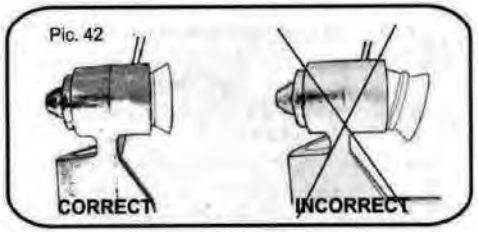


Pic. 41



47 Put the bowl gasket in its position on the back part of the evaporator tube.Once the bowl gasket is in its right position press it with your thumbs first in the lower part and thenprogressively towards its upper part (marking a circle with your fingers);until it is correctly fixed in itssite (see Pict. 40 & 41).

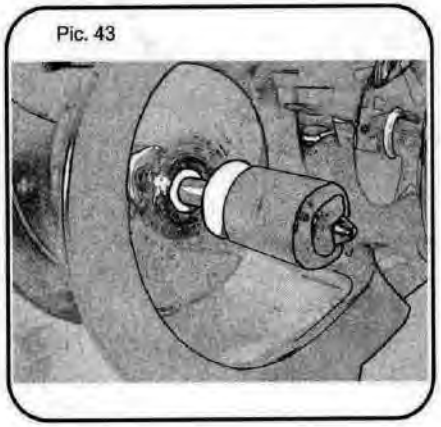
Pic. 42



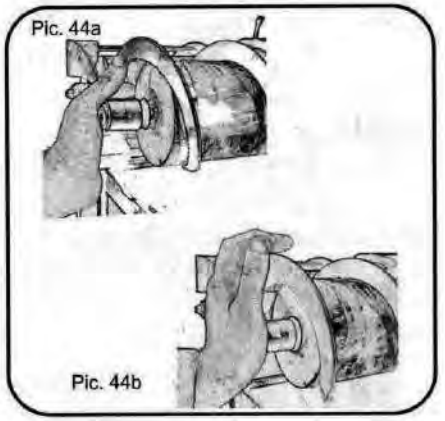
48 Insert the suction cap gasket into the spiral blade by pushing it deeply (see Pict. 42). Lubricate with water.

49 Insert the spiral blade by pushing it gently and deeply as indicated in Pict. 44a & 44b. After this it isimportant to lubricate the head of the spiral (see Pict. 43).

Pic. 43



Pic. 44a



Pic. 44b