

CHUBU

**Hatsuyuki**

CUBE ICE SHAVER USER'S MANUAL

MODEL

HC-S32A

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TRANSFER (RE-SALE) OF MACHINE

Should you sell or give the machine to a 3rd party, make sure that this "OPERATION MANUAL" goes with it for safe and correct operation.

CHUBU CORPORATION

FOR SAFETY



- Before operating the machine, please read the following "Instructions for Safety" in the manual very carefully, and operate the machine correctly.
- Each instruction specified in the manual is very important for safety, so be sure to follow each instruction as specified.
- Attention marks and their meanings are as follows:

	WARNING	Incorrect operation of machine is dangerous and can cause serious injury or death.
	CAUTION	Incorrect operation of machine is dangerous and can cause injury of person or material damages.

Note: "Material damages "means damages to buildings, furniture and effects, pets, etc.

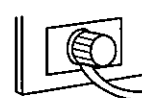
Examples of Mark / Pictograph:

 Electric Shock	△ represents "CAUTION" (including danger and warning). The specific contents of caution are shown near the △ mark by pictograph or letters. The mark illustrated left represents "ELECTRIC SHOCK".
 Do Not Disassemble	⊘ represents "PROHIBITED OPERATION". The specific contents of "Prohibited" are shown within or near this ⊘ mark by pictograph or letters. The mark illustrated at left represents "DO NOT DISASSEMBLE".
 Unplug	● represents "ENFORCEMENT" (Things to do). The specific contents of "Enforcement" are shown within or near ● the mark by pictograph or letters. The mark illustrated at left represents "Unplug from outlet".

WARNING

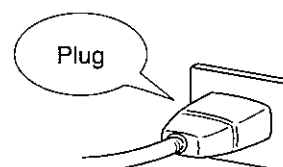
● Be sure to ground (earth) the machine.

Never connect a ground wire (earthing) to gas pipes, water pipes, lightening rods or telephone cord/grounding wires. An incomplete grounding (earthing) is dangerous and can cause severe electric shock.



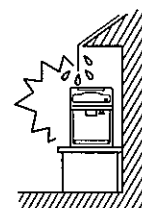
● Dedicated (Exclusive-use) outlet.

Always use an outlet dedicated to each machine. Never use extension cords or connect the unit to other power supply cords. Never connect several or many plugs into the same outlet. It may cause power supply cord to overheat and melt/burn or electric shock or fire.



● Do not operate the machine outside.

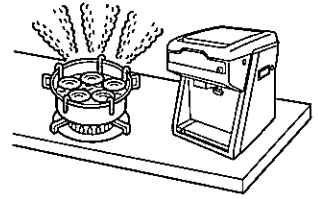
Operating the machine outside or in the rain will cause electric bleeding or electric shock.



WARNING

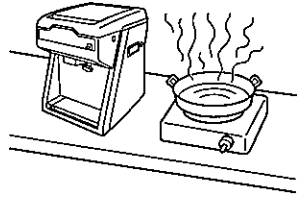
● **Do not install the machine in a damp or wet place.**

It can cause electric bleeding or electric shock.



● **Do not install/place the machine close to any heating appliance.**

Never install/place the machine close to any heating appliance such as a gas burner. It can cause melting and/or burning of plastic cover.



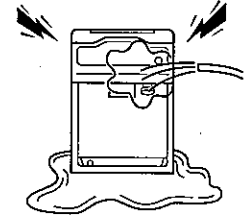
● **This machine is for "COMMERCIAL USE".**

Be sure to keep the machine away from children to avoid electric shock or injury.



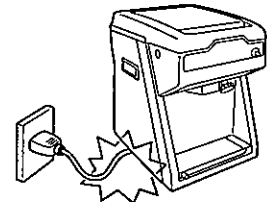
● **Do not pour water over the machine or immerse machine in water.**

It can cause a short circuit or electric shock, as well as rust and other water related problems.



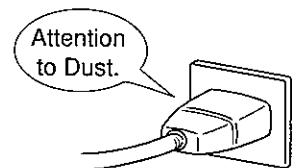
● **Do not damage power supply cord.**

Never work on power cord and never pull, twist or bundle it. Do not place a heavy things on it. It can damage the power cord and can cause electric shock or fire.



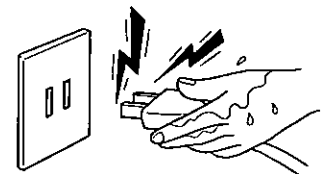
● **Keep plug clean and plug into outlet correctly.**

Always keep plug clean and plug into outlet correctly. Dirty plugs or imperfectly connected plugs can cause electric shock or fire.



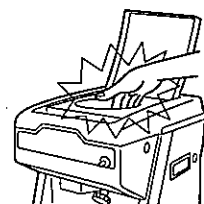
● **Do not touch any electrical parts (such as plug or switch) with wet hands.**

It can cause electric shock.



● **Do not open the inlet cover or put your hand into the ice hopper.**

It is dangerous and can cause serious injury.



FOR SAFETY

1

⚠ WARNING

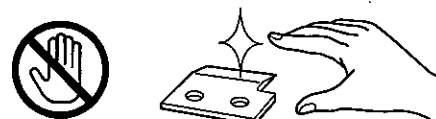
- In the event of circuit breaker moving to "OFF" position, please contact the machine vendor. Switching breaker to "ON" position incorrectly or by force can cause electric shock or fire.



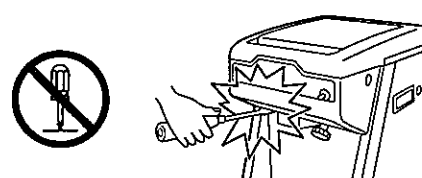
- Should accidents or irregular operation occur, TURN OFF the main switch and unplug from outlet. Immediately contact your machine vendor for a correct repairs. Continued operation of a faulty machine can/will cause electric shock or fire.



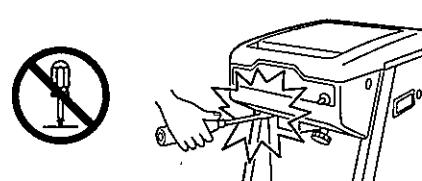
- For cleaning inside the ice hopper or changing blades, be sure to TUNE OFF the main switch and always put on gloves while cleaning/changing blade works. Never touch blades directly. They are **very** sharp and can cause injury.



- Never try to disassemble or repair the machine by yourself. Always call a qualified technician. Incorrect repair will likely cause irregular operation or electric shock, fire or injury.



- Do not attempt to alter the machine in any way. It can cause electric shock or fire.

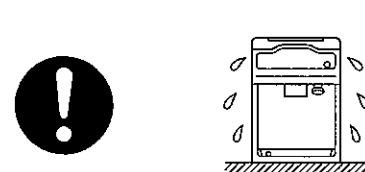


⚠ CAUTION

- Always install the machine on a stable and flat surface. Irregular or imperfect installation can cause the unit to tip or fall and is therefore dangerous.

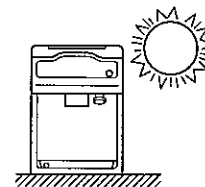


- Install the machine in a location unaffected by occasional dripping of water. Melting ice will drip and can, therefore, drip onto things surrounding the machine.



⚠ CAUTION

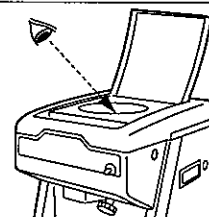
- Keep the machine away from direct sunlight. It can cause a damage to plastic parts.



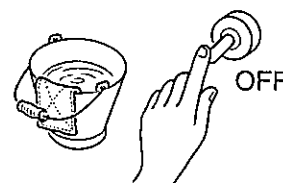
- Do not introduce foreign substances into the unit such as spoons, buttons, toothpicks, etc. It may cause undue load on the motor, resulting in excessive motor heating or fire.



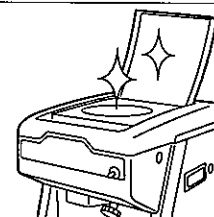
- Should the motor stop under operation, be sure to switch OFF and unplug the unit. Remove any obstacles (foreign substances such as spoons, buttons, toothpicks, etc.) from ice hopper.



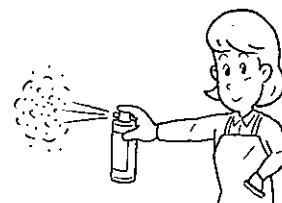
- When cleaning, be sure to switch OFF and unplug the unit before doing so. Cleaning with the power or switch on is very dangerous and can cause electric shock or injury.



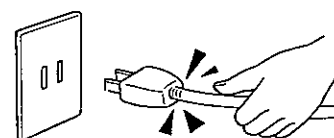
- Clean ice hopper before operation and keep always ice hopper/ice outlet clean. Otherwise it can cause growth of germs/bacterium and cause health troubles.



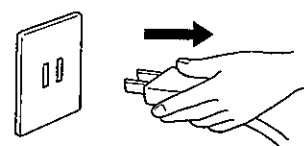
- Never use inflammable sprays near the machine and never place volatile or inflammable materials close to the machine. Sparks from the switch could possibly cause fire.



- When you unplug the unit, be sure to hold the plug while you pull it out of the outlet. Never pull the power cable. It may damage the plug/cable and can cause electric shock or fire.



- After the day's business is finished, be sure to switch OFF and unplug the unit for safety.



FOR SAFETY

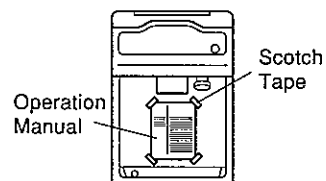


⚠ CAUTION

- For disposal of disused unit, please contact local disposal experts or the nearest vendor. Abandoned machines are dangerous. Treat blade on machine as a dangerous item when disposing machine.



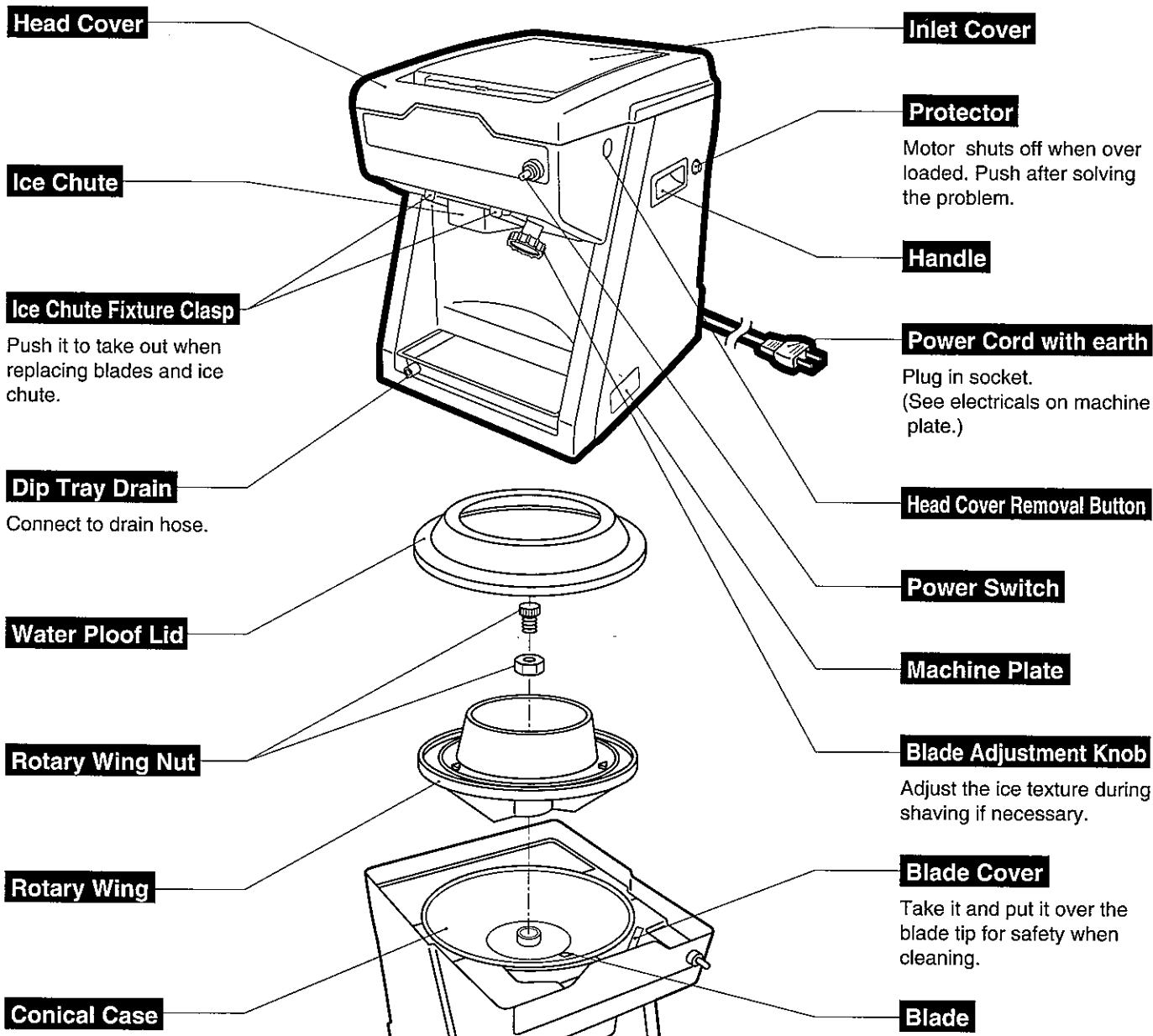
- When you sell or give the machine to a 3rd party, make sure that this "OPERATION MANUAL" goes with the unit for safety and correct operation.



PART NAMES AND FUNCTIONS

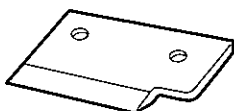
2

- The purpose of this machine is to make shaved ice from ice cubes.
- Use about 3 centi-meter ice cubes.

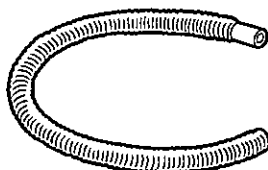


ACCESSORIES

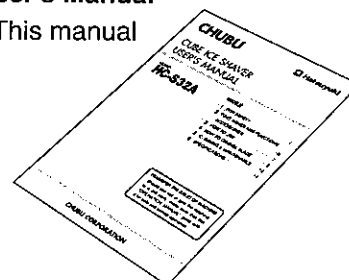
Spare Blade (1 pc.)
Replace when blade becomes dull



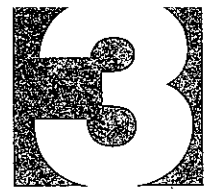
Drain Hose (1 pc.)
Connects to drip tray



User's Manual
This manual



HOW TO USE



⚠ WARNING

Never open the inlet cover or put your finger/hand into the hopper or ice chute during operation.



Never touch electric parts such as plug by wet hand. Never operate power switch by wet hand.



Put off the power switch and unplug the unit or cut off the breaker at an emergency.



(1) Safety switch

For safety, the machine is designed to stop automatically if ice inlet cover is opened during operation.

Note: Never use the safety switch as On/Off-switch by opening/shutting the ice inlet cover. It can cause machine problems.

(2) Cube ice to be used.

If the cube ice to be shaved is over-frozen with a white color and/or opaque (cloudy) color, let the ice thaw for a while. Over-frozen ice is not recommendable for optimum shaving.

(3) Cube ice left inside ice hopper can not be removed.

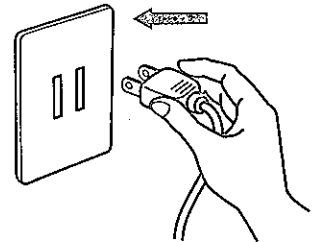
Put the proper desired quantity of cube ice by referring to next page.

(4) At the initial use, clean the hopper inside.

SEQUENCE FOR OPERATION

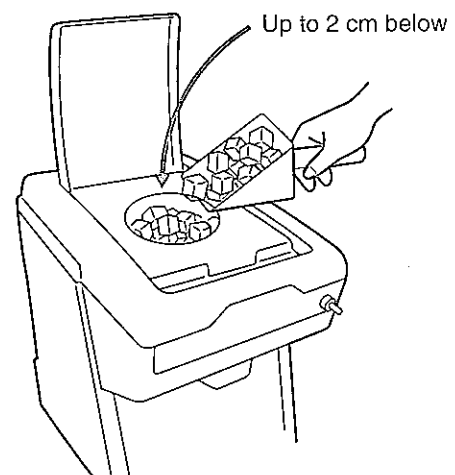
1. Plug the machine into outlet.

- ⦿ Make sure that the main switch is turned OFF before plugging the machine into outlet.

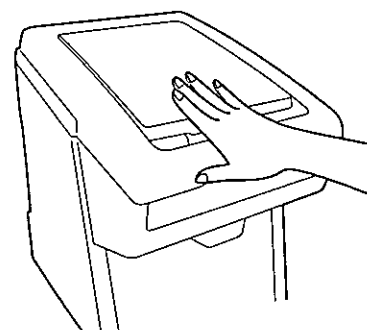


2. Put cube ice into ice hopper.

- ⦿ Make sure that the machine has completely stopped before opening ice inlet cover.
- ⦿ Put only the required amount of cube ice into ice hopper.
- ⦿ Do not stack ice so that it is less than 2 cm below the ice inlet. It's too much.
- ⦿ Always put cube ice evenly (i. e., flat) inside ice hopper. "Jumbled" ice can cause excessive noise.
- ⦿ Consider amount of ice at one time: 8-9 pcs. of cube ice for a 200 g.-cup.

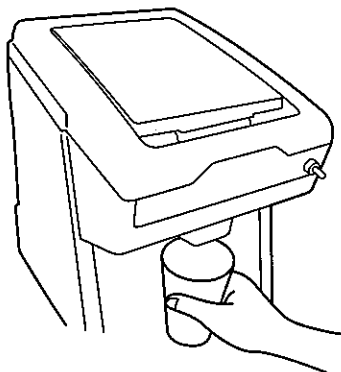


3. Shut the inlet cover firmly.



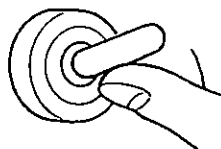
4. Receive shaved ice with receptacle.

- Place receptacle for shaved ice under the ice chute.



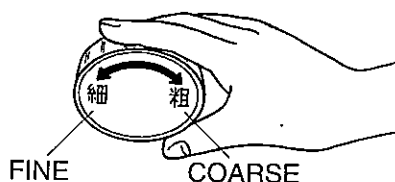
5. Switching ON the main switch.

- Be sure to shut ice inlet cover before switching on the unit. Unless ice inlet cover is shut, the machine will not work due to built-in safety switch.



6. Adjusting texture of shaved ice.

- Turn blade adjustment knob for desired texture of shaved ice.
- For coarser shaving, turn blade adjustment knob clockwise, and for finer shaving, turn counter-clockwise.
- Each round of rotation of the adjustment knob will raise shaver blade setting 1 milli-meter higher.

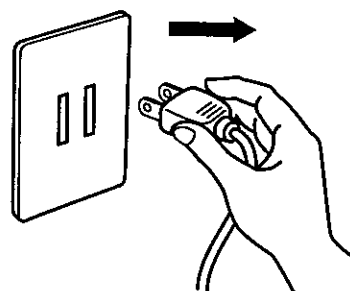


7. Switch OFF the main switch.



8. Unplug the machine.

- Be sure to unplug machine after use.



OVERLOAD PROTECTOR/RESET

This machine is equipped with an overload protector, which will automatically protect the motor by stopping operation in the event of overload. When protector engages, machine will stop and the red button will pop out. Should this occur, please take the following measures:

- 1) Switch machine OFF.
- 2) Unplug machine.
- 3) Check machine and rectify problem; eg. take out obstacles from hopper.
- 4) Push red button to re-set motor.

SAFETY SWITCH

For safety purposes, the machine is designed to stop automatically during operation, should the ice inlet cover be opened.

(Do not use the ice inlet cover as an On/Off-Switch. This can cause operation problems.)

HOW TO CHANGE BLADE

4

⚠ WARNING

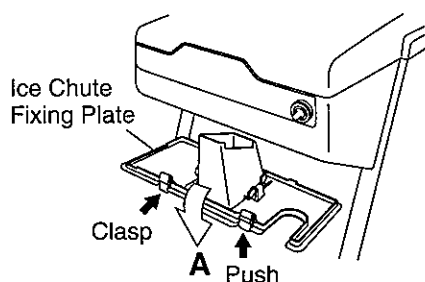
For cleaning inside the ice hopper or changing blades, be sure to TURN OFF the main switch and always put on gloves while cleaning/changing blade works. Never touch blades directly. They are very sharp and can cause injury.

⚠ CAUTION

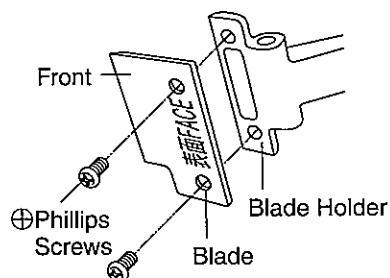
When cleaning, be sure to switch OFF and unplug the unit before doing so. Cleaning with the power or switch on is very dangerous and can cause electric shock or injury.

REMOVING BLADE

- 1) Push two clasps at Ice Chute Fixing Plate, and turn the plate to the direction toward "A" to remove the plate.

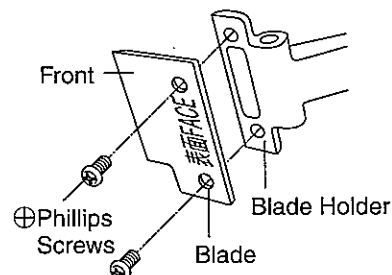


- 2) Remove two phillips screw fastening Blade and Blade Holder.

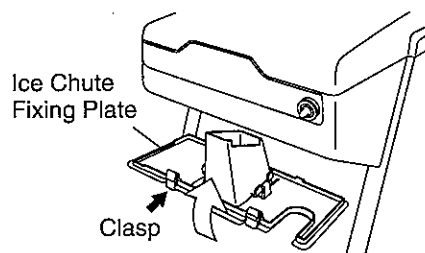


MOUNTING BLADE

- 1) Mount Blade on Blade Holder with two phillips screws with letter "表面FACE" outside and fasten them firmly.



- 2) Fix Ice Chute Fixing Plate in reverse procedure of "Removing Blade".



CLEANING & MAINTENANCE



⚠ WARNING

Do not put water on the machine directly. It can cause short-circuit, electric shock, rust, or out of order.



Do not touch electric parts such as plug by wet hand, or do not touch switch by wet hand.



Switch off and unplug when cleaning or servicing machine. Put on gloves to replace blades and do not touch the tip of blade.



⚠ CAUTION

Always switch off and unplug when cleaning and servicing.



Do not place flammable things or use combustible spray near machine. Sparks from switching can ignite flammables.



Clean the hopper inside once a week. Bacteria can breed and threaten your health.



- (1) Do not use water of more than 40°C for cleaning. Plastic parts such as covers can be deformed.
- (2) Do not use followings for cleaning. Plastic parts can be damaged ; thinner, benzene, alcohol, petroleum, powder soap, polishing powder, alkaline detergent, acido, soda hyposulfite, scrub brush etc. In case of using chemical cloth, follow its instructions.

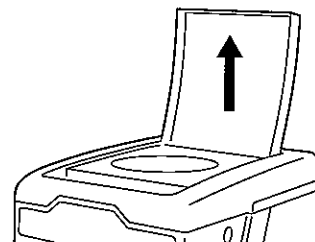
DAILY MAINTENANCE

Ice Chute, Inlet Cover, Head Cover, Drip Tray:

Clean by cloth with lukewarm water and then wipe out by dry cloth.

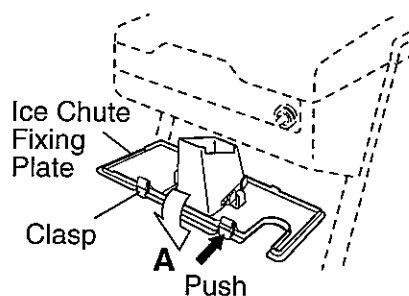
Removing Inlet Cover

Raise Inlet Cover straight on Head Cover and lift it then removed.

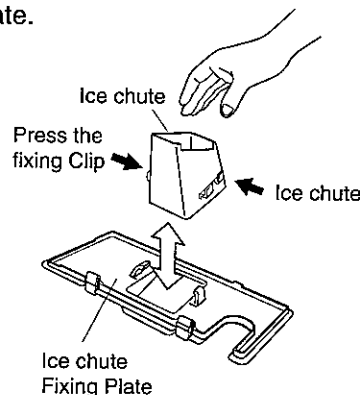


Removing Ice Chute

1. Push two fixing clasps on Ice Chute Fixing Plate to unlock, and draw it downward to "A" for removal of Ice Chute Fixing Plate.



2. Press two Fixing Clips of Ice Chute an unlock them, then raise it upward to remove Ice Chute from Ice Chute Fixing Plate.
3. Fixing Ice Chute
Press Fixing Clips and attach it on Ice Chute Fixing Plate.



* Clean Ice Chute with soft cloth or sponge. Shaved ice can be clogged if the inside surface of Ice Chute is scratched.

CLEANING & MAINTENANCE

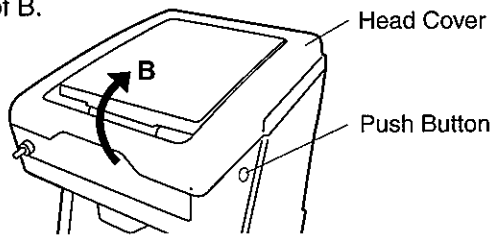


WEEKLY MAINTENANCE

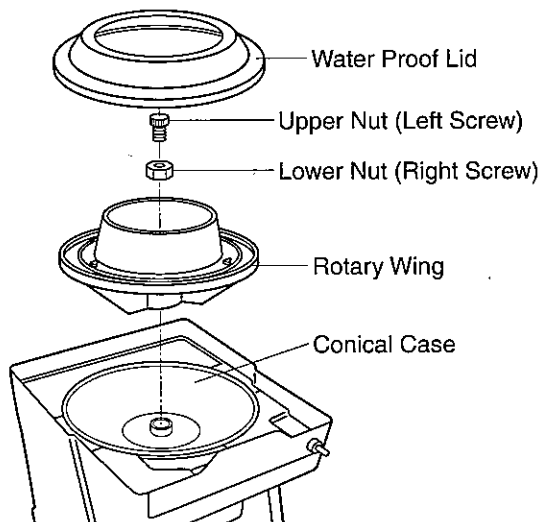
Cleaning in Shaving Chamber (hopper)

1. Turn Blade Adjustment knob to left to lower and hide the tip of Blade below Conical Case (Hopper).

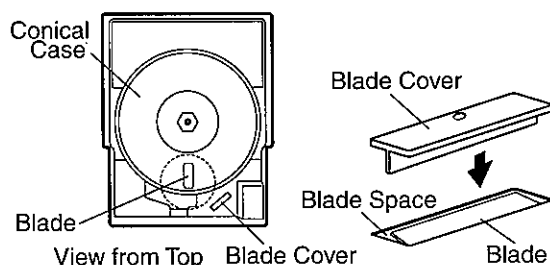
2. To raise and remove Head Cover, push two buttons along sides of Head Cover turning to the direction of B.



3. Take out Water Proof Lid, and remove Rotary Wing by loosening Upper Screw to left and Lower Screw to right. These screws fastens Rotary Wing.



4. Put Blade Cover in between Blade tip and hole of Rotary Wing. (For safety)



5. Clean Water Proof Lid, Rotary Wing, and Lower Nut/Upper Nut by soft cloth using luke warm water and a little of detergent. Rinse detergent out of them by water.

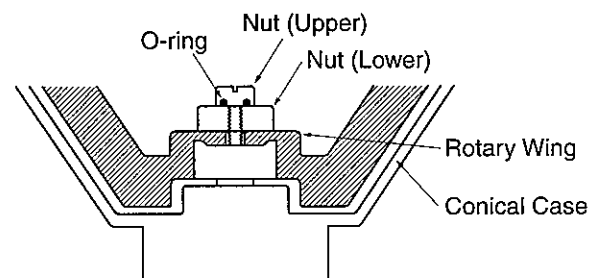
* Return the aside of Conical Case.

6. Use alcohol for table and kitchen utensils to sanitize the Conical Case.

7. After servicing and sanitizing the machine, assemble properly.

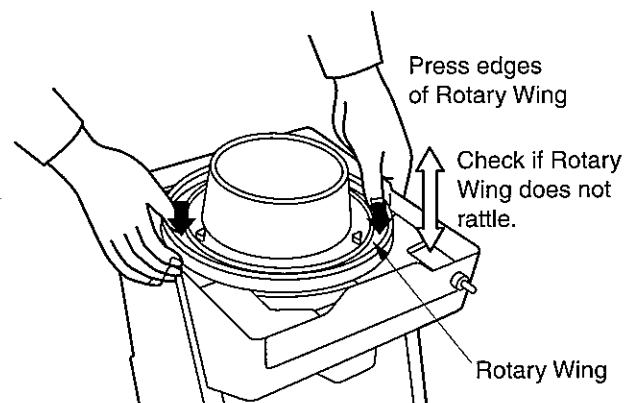
CAUTION

Fasten the Nut (lower) firmly up to contacting with Rotary Wing. Then fasten the Nut (upper) firmly to touch the Nut (lower) by squeezing O-ring.



If fastening is not enough, Rotary Wing touches Blade or Conical Case.

Confirm proper fastening by pressing edges of Rotary Wing. Fasten Nut (lower) and Nut (upper) again so Rotary Wing does not rattle.



CLEANING

Outside body

Clean body by soft cloth using soft neutral detergent. Then wipe it out by clean wet cloth and do not leave cleaning fluid.

YEARLY MAINTENANCE

1. Checking for earth (grounding) cord.

Check the earth (grounding) cord and its joint to ascertain whether or not they are cut / damaged or loose. If you find any problems, please contact an electrical expert or engineer.

2. Checking power supply plug.

Check the power supply plug.

WARNING

Dedicated (exclusive use) outlets.

Always use a dedicated outlet for each machine. Never use extension cords or connect to other power supply cords. Never connect several or many plugs into the same outlet. It can cause power supply cord to melt/burn or electric shock or fire.



Do not damage power supply cord.

Never work on power cord and never pull, twist, or bundle power cord. Never place heavy things on it. It can damage the power cord and may cause electric shock or fire.



Keep plug clean and plug into an outlet correctly.

Always keep plug clean and plug into an outlet correctly. Dirty plugs or imperfectly connected plugs can cause electric shock or fire.



HOW TO KEEP THE MACHINE (STORAGE)

In the case of non-use of the machine for over one month, dry the machine thoroughly and store it in a dry place.

BEFORE REQUESTING REPAIRS

WARNING

Do not touch any electric parts (such as plug or switch) with wet hands. It can cause electric shock.



When you find any problems or irregular operation, TURN OFF the main switch and unplug from outlet. Immediately contact a nearest vendor for correct repair. Continued operation of a defective machine can cause electric shock or fire.



Do not attempt to alter the machine in any way. It can cause electric shock or fire.



TROUBLE SHOOTING

1. In case the machine does not work.

- (1) Check and make sure that the machine is correctly plugged into an outlet.
- (2) Check and make sure that ice inlet cover is properly closed. (Because of safety switch, the machine does not work while the inlet cover is opened.)
- (3) Check and make sure that the overload protector has not switched off. (Make sure red button is not out. In case red button is out, please take measures referred to on page 8.)

2. In case cube ice cannot be shaved (sliced), while the machine is operating.

- (1) Check and make sure that the blade edge contacts ice sufficiently. If you find the blade edge does not contacts ice, turn blade adjustment knob clockwise.
- (2) Check and make sure that the blade cuts (slices) well. If you find the blade does not cut (is worn out), install new blade.



TRANSFER (RE-SALE) OF MACHINE

CAUTION

Should you sell or give the machine to a 3rd party, make sure that this "OPERATION MANUAL" goes with it for safe and correct operation.



SPECIFICATIONS



Electrical	220V 50/60 Hz. 1 PH.	240V 50 Hz. 1 PH.
Electric Consumption	220W	300W
Rated Time	Continue	
Unit Dimensions (mm)	306W×402D×429H	
Unit Net Weight	15kgs.	
Ice Hopper Capacity	35pcs of Cube Ice (3×3cm)	
Shaving Capacity	1.4kg (50Hz) / 1.8kg (60Hz) per minute	1.4kg (50Hz) per minute