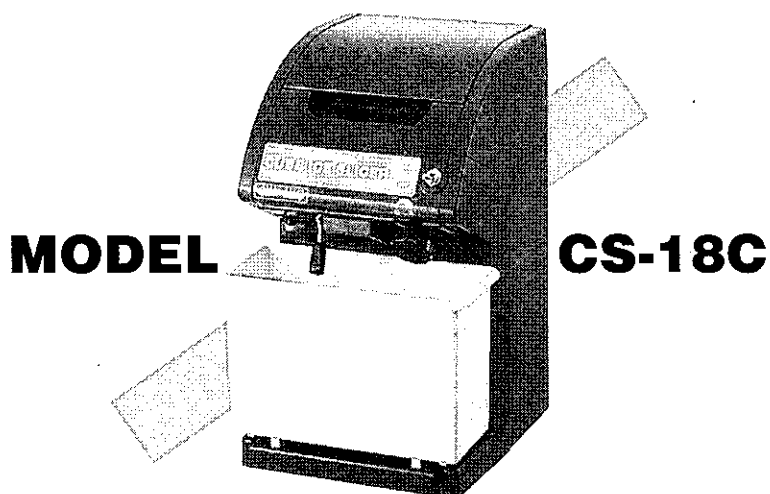


Hatsuyuki

CUBE ICE

SHAVER



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 : Δ represents "CAUTION" (including danger and warning). The specific contents of caution are shown near the Δ mark by pictograph or letters.
The mark illustrated left represents "ELECTRIC SHOCK".



Do Not Disassemble: \odot represents "PROHIBITED OPERATION". The specific contents of "Prohibited" are shown within or near this \odot mark by pictograph or letters.
The mark illustrated at left represents "DO NOT DISASSEMBLE".



Unplug:

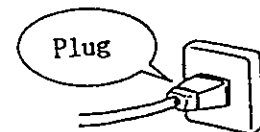
\bullet represents "ENFORCEMENT" (Things to do). The specific contents of "Enforcement" are shown within or near \bullet the mark by pictograph or letters.
The mark illustrated at left represents "Unplug from outlet".

WARNING

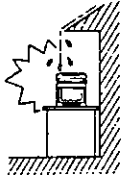
- ** Be sure to ground (earth) the machine.
Never connect a ground wire (earthing) to gas pipes, water pipes, lightning rods or telephone cord/grounding wires. An incomplete grounding (earthing) is dangerous and can cause severe electric shock.



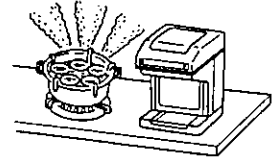
- ** Dedicated (Exclusive-use) outlet
Always use an outlet dedicated to each machine. Never use extension cords or connect the unit to other power supply cords. Never connect several or many plugs into the same outlet. It may cause power supply cord to overheat and melt/burn or electric shock or fire.



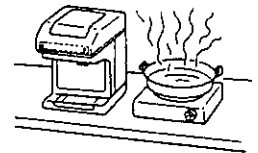
- ** Do not operate the machine outside
Operating the machine outside or in the rain will cause electric bleeding or electric shock.



- ** Do not install the machine in a damp or wet place
It can cause electric bleeding or electric shock.



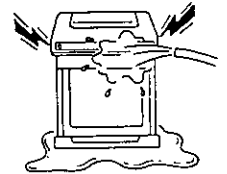
- ** Do not install/place the machine close to any heating appliance
Never install/place the machine close to any heating appliance such as a gas burner.
It can cause melting and/or burning of plastic cover.



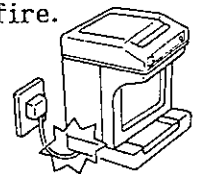
- ** This machine is for "COMMERCIAL USE"
Be sure to keep the machine away from children to avoid electric shock or injury.



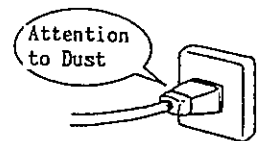
- ** Do not pour water over the machine or immerse machine in water
It can cause a short circuit or electric shock, as well as rust and other water-related problems.



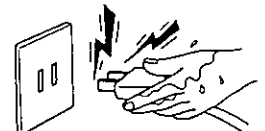
- ** Do not damage power supply cord
Never work on power cord and never pull, twist or bundle it. Do not place a heavy things on it. It can damage the power cord and can cause electric shock or fire.



- ** 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.



WARNING

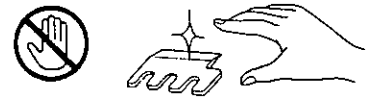
** In the event of circuit breaker moving to "OFF" position, please contact the machine vendor. Switching breaker to "ON" position incorrectly or by force can cause electric shock or fire.



** 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.



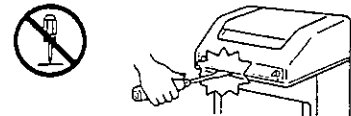
** For cleaning inside the ice hopper or changing blades, be sure to TURN OFF the main switch and always put on gloves while cleaning/changing blade works. Never touch blades directly. They are very sharp and can cause injury.



** 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.

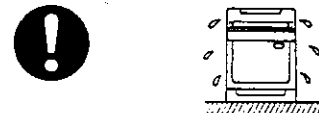


CAUTION

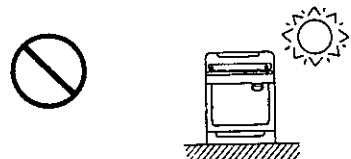
** Always install the machine on a stable and flat surface. Irregular or imperfect installation can cause the unit to tip or fall and is therefore dangerous.



** 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.



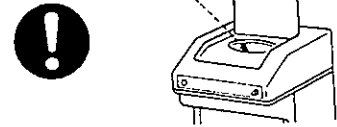
** Keep the machine away from direct sunlight. It can cause a damage to plastic parts.



** 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.



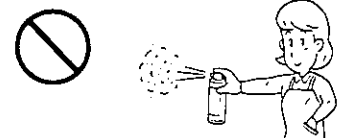
** When cleaning, be sure to switch OFF and unplug the unit before doing so. Cleaning with the power or switch on is very dangerous and can cause electric shock or injury.



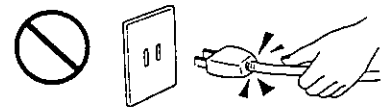
** Clean ice hopper before operation and keep always ice hopper/ice outlet clean. Otherwise it can cause growth of germs/bacterium and cause health troubles.



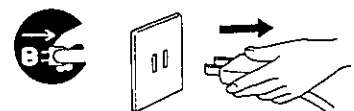
** Never use inflammable sprays near the machine and never place volatile or inflammable materials close to the machine. Sparks from the switch could possibly cause fire.



** 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.



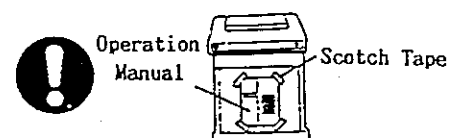
** After the day's business is finished, be sure to switch OFF and unplug the unit for safety.



** For disposal of a 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.



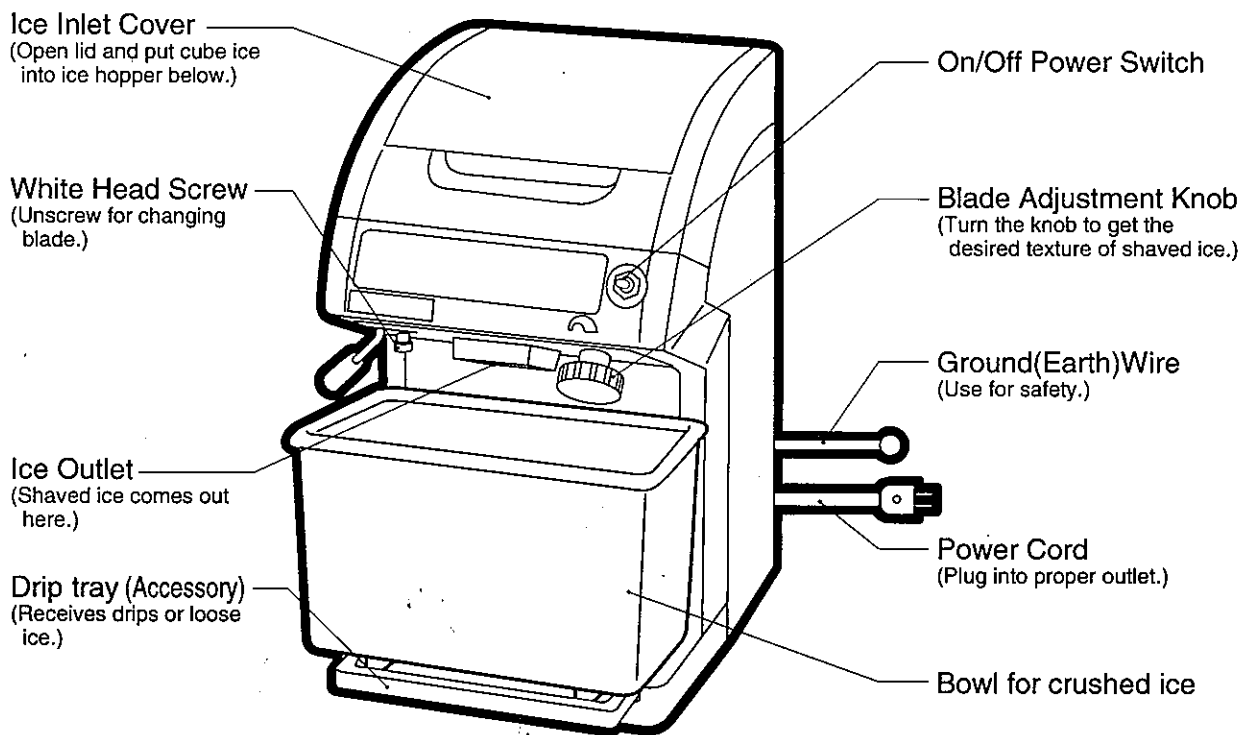
** When you sell or give the machine to a 3rd party, make sure that this "OPERATION MANUAL" goes with the unit for safety and correct operation.



MODEL **HC-18C(B),(R),(W)** **CS-18C(B)**

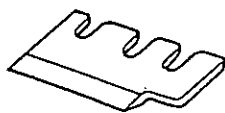
PART NAMES AND FUNCTIONS

** The purpose of this machine is to make shaved ice from ice cubes or cube ice.
 ** Cube Ice: About 3 cubic cm made of ice maker.



ACCESSORIES

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



Operation Manual
 (This manual)



HOW TO USE

** 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 an On/Off-switch by opening/shutting the ice inlet cover. It can cause machine problems.

** 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.

** Cube ice left inside ice hopper can not be removed.

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

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 before opening ice inlet cover.

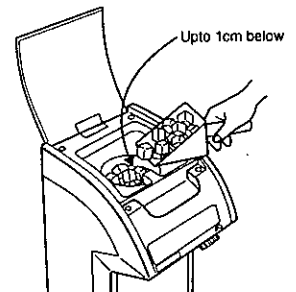
** Put only the required amount of cube ice into ice hopper.

** Do not stack ice so that it is less than 1 cm below the ice inlet.

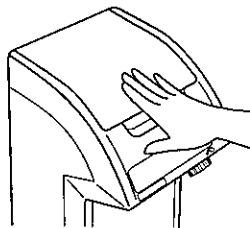
** Always put cube ice uniformly (i.e., flat) inside ice hopper.

"Jumbled" ice can cause excessive noise.

** Standard amount of ice at one time: 8-9 pcs. of cube ice for a 200 g.-cup.

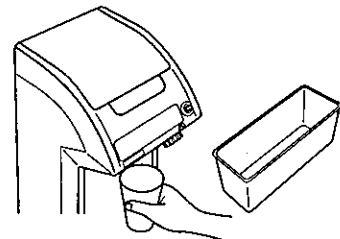


3) Shut the inlet cover firmly.



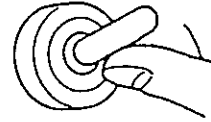
4) Receive shaved ice with receptacle

Place receptacle for shaved ice under the ice outlet.



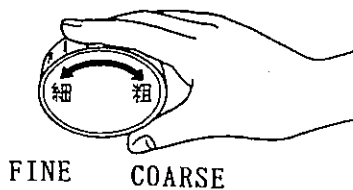
5) Switching-On the main switch

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

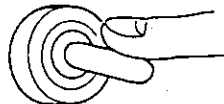
a) Turn blade adjustment knob for desired texture of shaved ice.



b) For coarser shaving, turn blade adjustment knob clockwise, and for finer shaving, turn counter-clockwise.

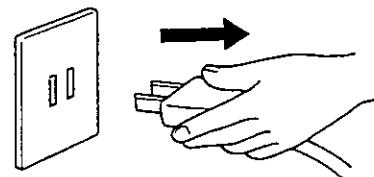
c) Each rotation of the adjustment knob will increase shaver setting by 1 m/m.

7) Switch OFF the main switch.



8) Unplug the machine.

Be sure to unplug machine after use.



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 BLADES

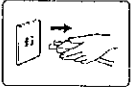


WARNING

* * Be sure to turn off the main switch (切) and always wear gloves for safety when cleaning inside the ice hopper or changing blades. Never touch blade edge directly. It could cause injury.

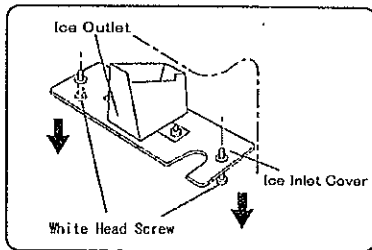


* * Be sure to TURN OFF the main switch (切) and unplug the unit when cleaning the unit. Otherwise it is dangerous and could cause electric shock or burn.

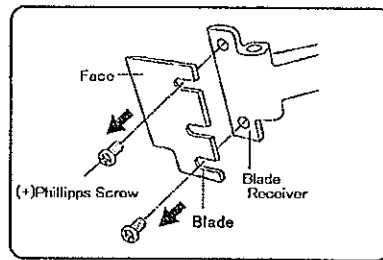


AA) HOW TO REMOVE AND ATTACH SHAVING BLADE

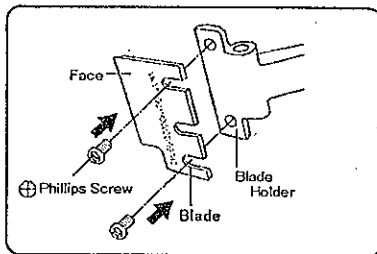
1) Loosen the 2 white headed screws fastening the ice outlet to the body to remove the ice outlet.



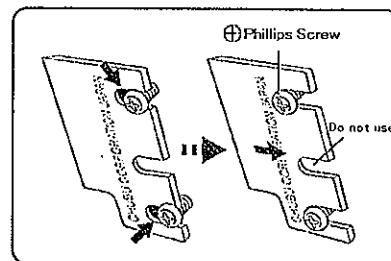
2) Remove two (+) phillips screws fastening the blade to the blade holder by (+) driver.



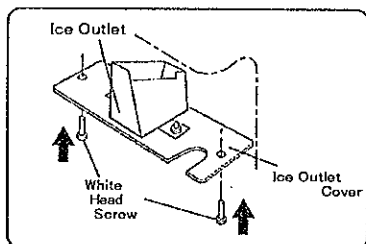
3) Temporarily lightly attach a new blade to the blade holder with (+)phillips screws. The blade should be placed with the embossed lettering outside as per the right picture.



4) Place the blade onto the blade holder with 2 (+)phillips screws as per the picture and fasten them to the body. The blade and the blade holder should be positioned parallel to each other. Be careful in handling the blade as it is very sharp.





5) Attach the blade outlet cover to the body with 2 white head screws.



CLEANING & MAINTENANCE

CAUTION

** Clean ice hopper at least 2-3 times per month. Otherwise it might cause growth of germs/bacterium and cause health problems. 

** For cleaning and checking, be sure to TURN OFF the main switch and unplug the unit. Cleaning while the unit switched on or plugged in is dangerous and could cause electric shock or burns. 

(NOTE) 1) Do not wash with hot water over 40 degrees C°. It can cause warping of plastic parts.

2) Do not use the following matters for cleaning/maintenance:

Thinner, Benzine, Alcohol, Oil, Soap Powder, Polishing Powders, Alkaline Detergent, Acid, Scrub Brushes, etc.

CLEANING

1) Cleaning ice outlet
Clean ice outlet.


2) Cleaning ice hopper
Clean ice hopper at least 2-3 times per month. First, turn blade adjustment knob fully counter-clockwise. This will turn blade to down position. Then, wipe blade with a soft, wet cloth/towel dipped in lukewarm water.


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 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. 

CLEANING HEAVY STAINS


** Cleaning outside body of unit


For heavy stains, use detergent. Wipe unit with a wet cloth dripped in lukewarm water and detergent. After using detergent, wipe off all residue completely with fresh water.


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

** 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.

- a) Check and make sure that the machine is correctly plugged into an outlet.
- b) 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.)
- c) Check and make sure that the overload protector has not switched off.

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

- a) 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.
- b) 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-SELL) 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. 

SPECIFICATIONS

	HC-18C (B),(R),(W)	CS-18C (B)
Electrical	220V, 50/60 Hz., 1Ph.	220V, 50/60 Hz., 1Ph.
Electric Consumption	140/160W	180/200W
Rated Time	Continue	Continue
Unit Dimensions(mm)	230W×266D×392H mm	230W×266D×392H mm
Unit Net Weight	10.0Kgs.	10.5Kgs.
Ice Hopper Capacity	18 pcs of Cube Ice (3×3cm)	18 pcs of Cube Ice (3×3cm)
Shaving Capacity	1.9Kg (50Hz) / 1.9Kg (60Hz) per minute	1.9Kg (50Hz) / 1.9Kg (60Hz) per minute
Crushing Capacity	————	5.3Kg (50Hz) / 7.7Kg (60Hz) per minute

Manufactured by:

CHUBU CORPORATION

1533-1 Dogamine, Hahasaki, Kuwana, Mie, Japan.



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