

# OPERATION MANUAL

## Multi Slicer

### Model: HD70AA



Watch  
Operation Movie  
on YouTube !



- \* Before operating this machine, please read and understand the instructions specified in this manual for proper and safety use.
- \* Retain this manual for your immediate and future references.

CHUBU COPORATION

1533-1, DOGAMINE, HAGASAKI, KUWANA, MIE, 511-0944, JAPAN

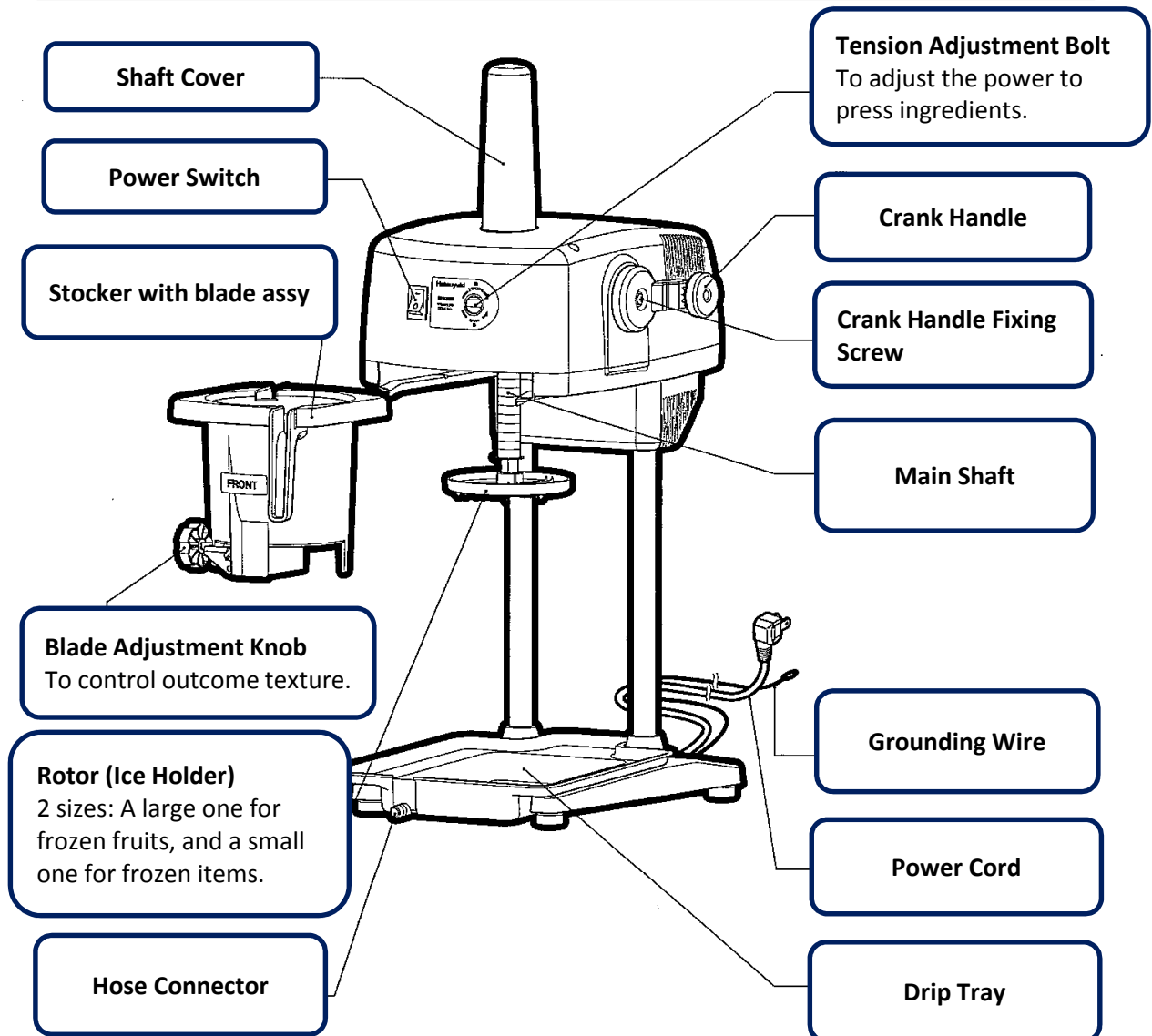
PHONE: 81-594-32-1138

FAX: 81-594-32-1139

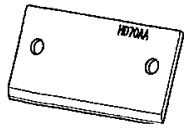
## PART NAMES AND FUNCTIONS

● This machine is designed to slice frozen fruits and frozen flavored ice cream, but does not slice cubed ice.

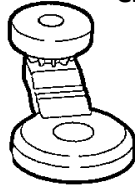
\* Use frozen fruits or frozen flavored ice cream - a dice of 120 mm approximately, and never use other items.



■ **ACCESSORY**



**Spare Blade (1 piece)**



**Crank Handle (1 piece)**



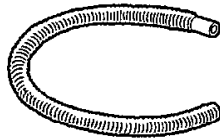
**Ice Flag (1 piece)**



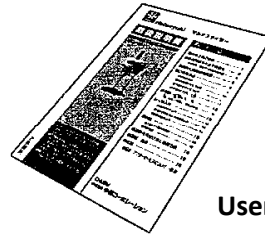
**Shaft Cover (1 piece)**



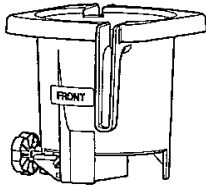
**Crank Handle Fixing Bolt (1 piece)**



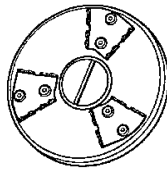
**Drain Hose (1 piece)**



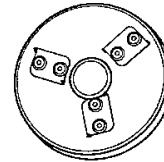
**User's Manual (This copy)**



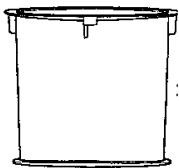
**Stocker (1 piece)**



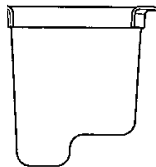
**Large Rotor (137 mm in diameter) for frozen fruits**



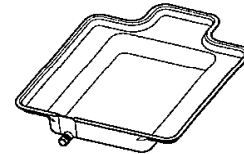
**Small Rotor (122 mm in diameter) for frozen flavored ice cream**



**Ice Guidance Tube (1 piece) for frozen flavored ice cream**



**Separator (1 piece) to slice 2 different fruits at once.**

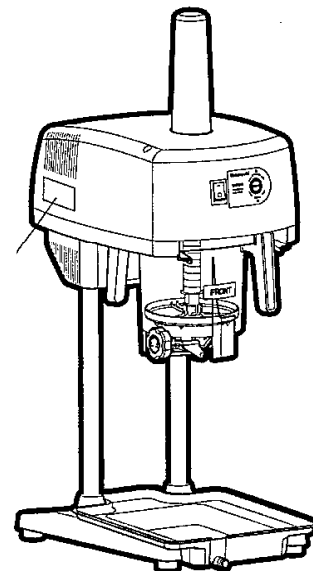


**Drip Tray (1 piece)**

■ **POSITION OF CAUTION LABEL**

**NOTE**

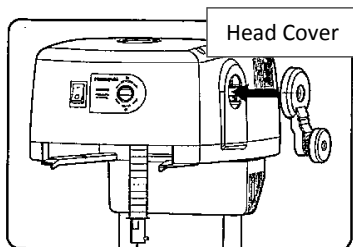
- Do not peel off the caution label.
- If the label unsticks or the words on the label fade, please purchase a new label from your vendor for safety reasons.



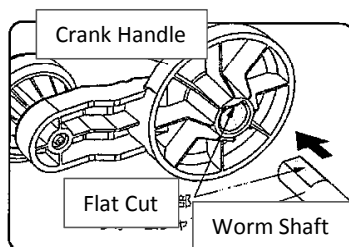
## HOW TO USE

### ■ CHECK BEFORE OPERATION

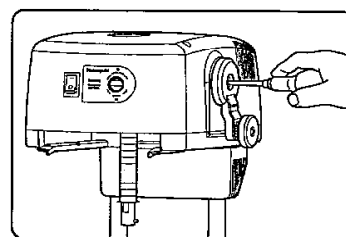
- Attach the enclosed crank handle in the following manner:



**1** There is a hole on the right side of the head cover. Install the crank handle to the worm shaft in the hole.

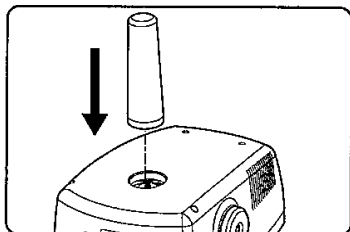


**2** After attaching the crank handle in paragraph 1, connect them by aligning the cut of the worm shaft with the cut of the crank handle.



**3** Fix the crank handle to the body with the enclosed bolt and fasten it firmly using a screwdriver. Check to make sure the handle that raises the main shaft upwards and downwards works smoothly.

- Mount the shaft cover on the top of the unit.



**1** Place the shaft cover over the hole of the body top.

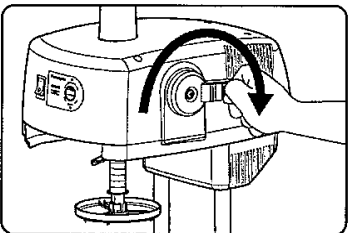
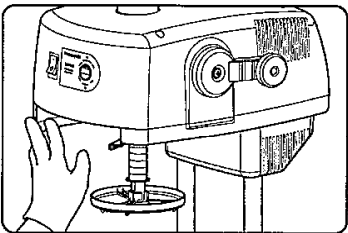
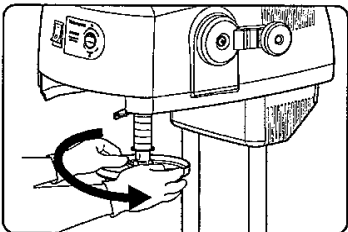
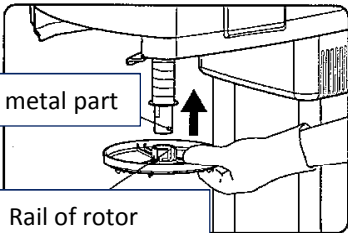
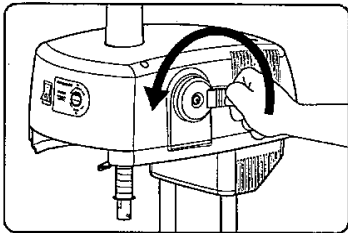
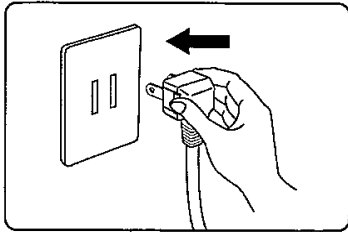
- Connect the drain hose to the drip tray. Place a bucket to receive drip water through the drain hose.

- Plug the unit into an appropriate socket (voltage is specified on the machine plate). Refrain from using a generator as this is not covered in the warranty.

- Clean the food zone, such as the stocker, rotor, ice guide and separator before first use. There could be dust or other particles in it. (Refer to page 10 DAILY MAINTENANCE)

# HOW TO USE

## OPERATION INSTRUCTIONS



1

### Plug the machine into an outlet.

- Make sure the power switch is turned to the off position before plugging it into the unit.

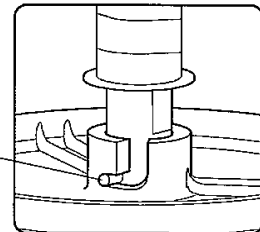
2

### Set the rotor in place.

- Turn the crank handle counter-clockwise to lower the main shaft.
- Install the rotor adjusting the rail with the pin of the metal part of main shaft.

- Fix the rotor by rotating it counter-clockwise.

Make sure to mount it firmly.



- Confirm that the rotor does not drop when you release your hand.

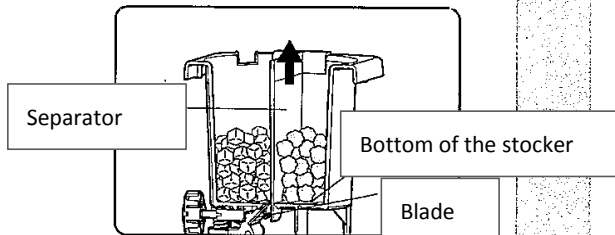
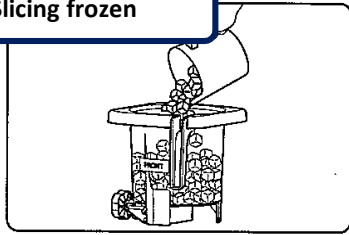
\*Use the adequate rotor for your purpose:  
The large rotor for slicing frozen fruits.  
The small rotor for slicing frozen flavored ice cream.

- Turn the crank handle clockwise to raise the rotor to the highest position.

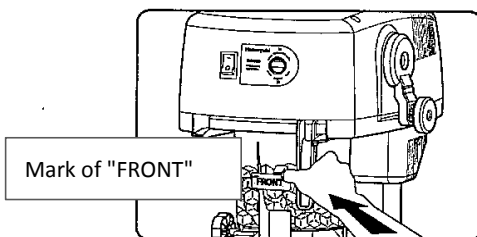
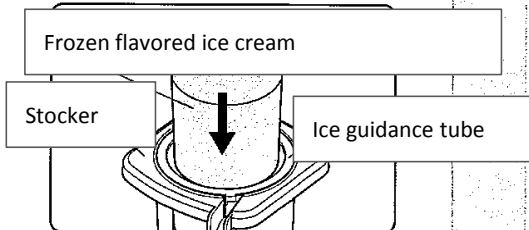
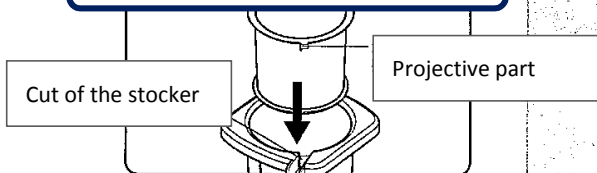
- Confirm that the rotor does not drop when you release your hand.

\*The rotor could drop and cause injury if the tension bolt is loose (Refer to page 8 about Tension Adjustment Bolt).

### 1. Slicing frozen



### 2. Slicing frozen flavored ice cream



## 3

### Prepare food to slice.

- Be aware of injury. A blade is mounted on the stoker.

#### [Slicing frozen fruits]

1. Put frozen fruits in the stoker evenly, otherwise it may cause slicing failure or mechanical damage.
2. Insert the separator between the blade and the bottom of the stoker to slice two different fruits at once.

\*Put each fruit in evenly. Remove the separator after putting all fruits in the stoker.

\*The stoker cannot be mounted to the main unit with the separator attached.

#### [Slicing frozen flavored ice cream]

1. Install the ice guide to the stoker aligning the projective part to the cut of the stoker.

\*The stoker cannot be mounted to the main unit if the ice guidance tube is not installed properly.

2. Put frozen flavored ice cream in the stoker.

## 4

### Mount the stoker to the main unit.

- Thoroughly insert the stoker.

#### IMPORTANT

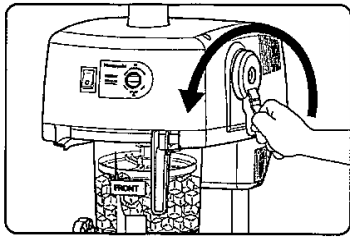
-If it is not inserted properly, it may cause contamination or malfunction.

-If the stoker is inserted too lightly, the safety switch will kick in and the product will not operate even if the power switch is turned on.

- To receive a smooth outcome, mount the stoker so that you can see the mark "FRONT" for slicing frozen fruits, and "REAR" for slicing frozen flavored

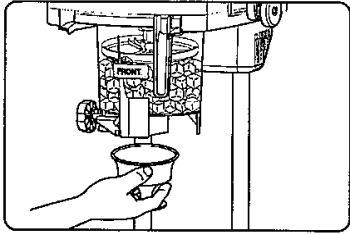
- The position of the marks FRONT/REAR makes no difference in the slicing performance.

## 5



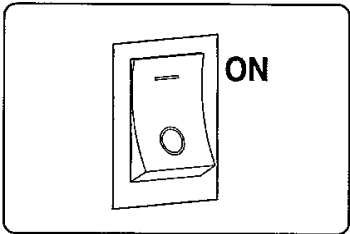
**5 Turn the crank handle counter-clockwise to lower the rotor.**

- Make sure to lower the rotor until it firmly grips the frozen fruit or flavored ice cream.
- \*If it is not firmly gripped, the frozen fruit or frozen ice cream will only spin in place.



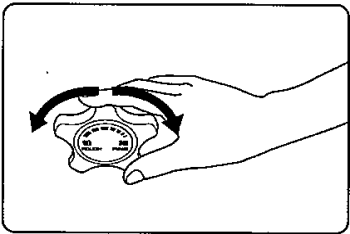
**6 Set a bowl in place.**

- Place a bowl beneath the outlet of the sliced fruits or ice to serve.



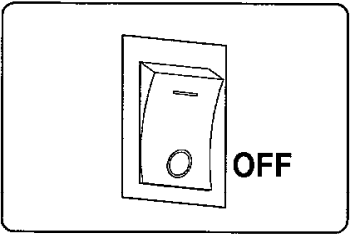
**7 Power-on (Start the operation)**

- Turn the power on.
- Make sure to mount the stocker properly, otherwise the safety switch will kick in and the product will not operate even if the power switch is turned on.



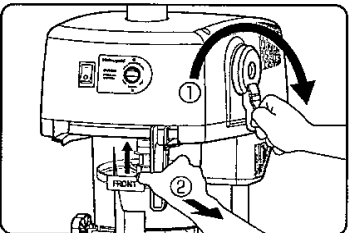
**8 Adjust the texture of the outcome.**

- Turn the blade adjustment knob for the desired ice texture.
- Turn right for finer and turn left for coarser.



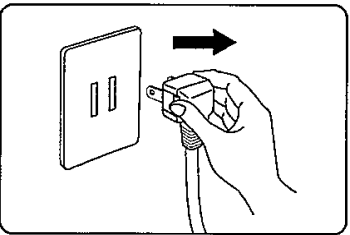
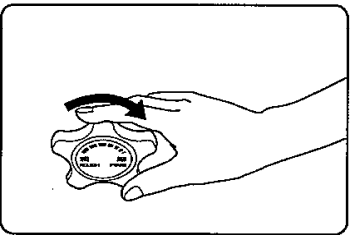
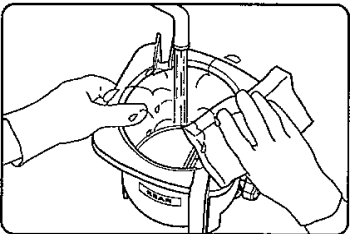
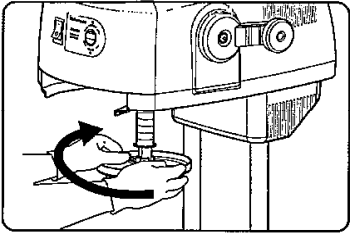
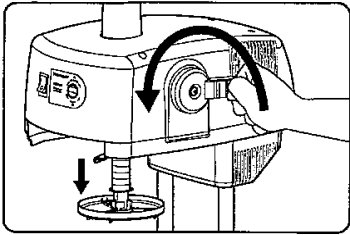
**9 Power-off (Cease the operation)**

- Turn the power off.



**10 Take out the stocker.**

- 1. Turn the crank handle clockwise to raise the rotor.
- 2. Take out the stocker.
- \*Raise the rotor to the highest position. Otherwise, the stocker cannot be removed.



11

**Take out the rotor.**

- 1. Turn the crank handle counter-clockwise to lower the rotor.
- 2. Turn the rotor clockwise and take it out downwards.

**NOTE**

Make sure to confirm the rotor is NOT spinning. Do not touch the spikes of the rotor. They may cause injury.

12

**Clean the stoker and the rotor.**

- Wash the stoker and the rotor immediately and do not leave food materials on them.

**NOTE**

Turn the blade adjustment knob clockwise to lower the blade before cleaning. The blade is sharp and it may cause injury.

13

**Unplug the machine.**

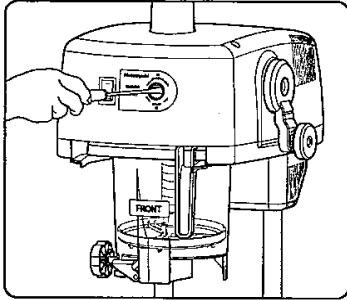
- Be sure to unplug the machine after use.

**NOTE**

- Use up the frozen fruits in the stoker at once. Do not store the stoker in a freezer with frozen fruits in it.
- The stoker with frozen flavored ice cream can be stored in a freezer. (Be aware that the ice cream could be too cold and hard to slice properly.)



## ■ ABOUT THE TENSION ADJUSTMENT

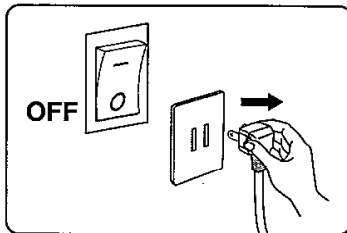


**It adjusts the power to hold the ice.**

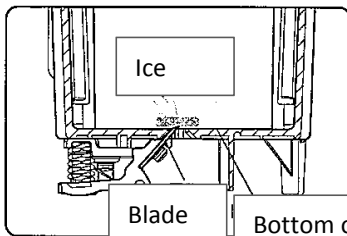
- Use a slotted screw driver.
  - Turn the tension adjustment bolt clockwise for stronger tension to grip the ice or counter-clockwise for weaker tension.
  - Check the adjustment by turning the crank handle.
- Recommended tension is such that the ice block holder does not descend when you release your hand from the crank handle, yet it does not feel heavy or tight when the handle is moved to raise the holder.

## ■ ABOUT THE PROTECTOR

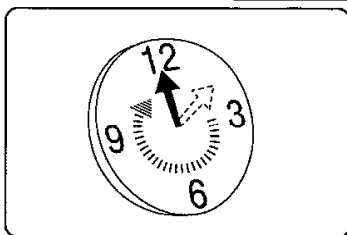
- When the motor is overloaded, the protector causes the machine to stop automatically.
- When the motor is overheated under a certain period of continuous running, the protector reacts to stop the operation. It also reacts to work that may overload of the motor.
- The motor has a protector built in.
- Follow the instruction below when the protector works.



**1 Turn off the power switch and unplug the unit.**



**2 Remove the cause of the overload**  
(e.g., When the blade catches the ice too deeply, it may obstruct the rotation of the motor). Lower the blade and reposition the ice.



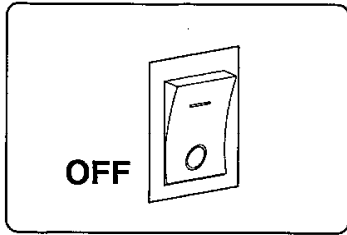
**3 Leave the machine switched off for an hour and then it should restore itself.**  
The machine will automatically reactivate by itself. If the protector works often, please consult with your distributor.

## ■ ABOUT THE SAFETY SWITCH

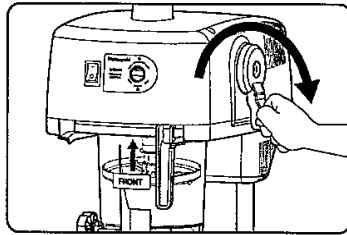
- When the stocker is not mounted or not inserted properly, the machine will not work for safety reasons.
- Never use the safety switch to turn off the machine. It may cause malfunction.

## HOW TO CHANGE BLADES

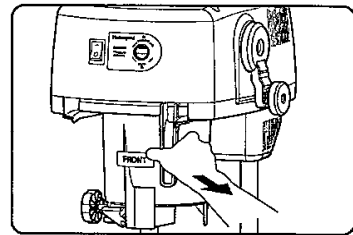
### REMOVING AND ATTACHING THE BLADE



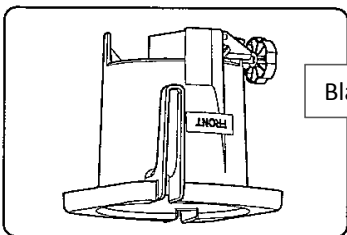
**1** Turn the power off.



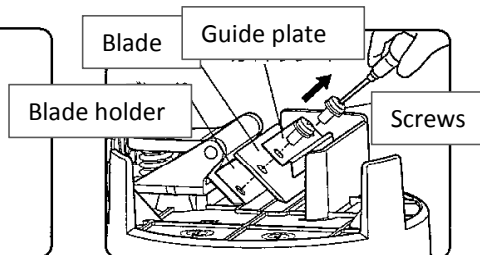
**2** Turn the crank handle to raise the rotor to the highest position.



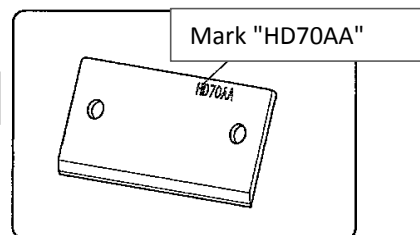
**3** Take out the stoker.



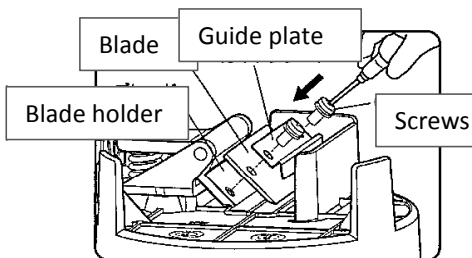
**4** Put the stoker flat with the bottom of it facing



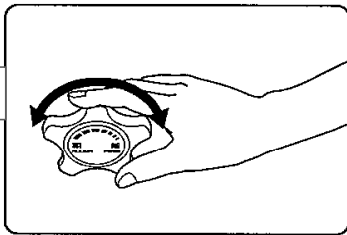
**5** Take out the blade and guide plate by removing the two cross-head screws attaching the blade and blade holder.



**6** Position a new blade with the engraved mark "HD70AA" facing the plate holder.



**7** Fix the new blade and the guide plate to the blade holder by the two screws.



**8** Turn the blade adjustment knob for the desired texture.

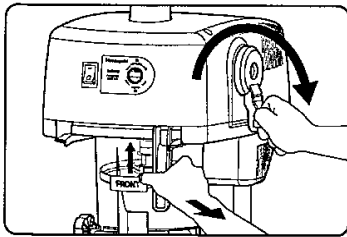
## MAINTENANCE

### REMARKS

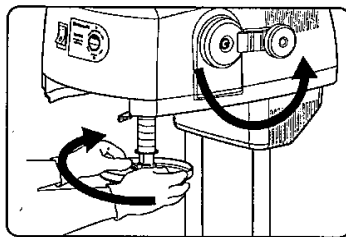
- Do NOT wash each part with water in temperature more than 40° Celsius, with dishwasher, dryer, sterilizing storage. It could deform the plastic parts.
- Do NOT use the following for washing plastic parts: benzine, alcohol, petroleum, powdered soap, polishing powder, alkaline detergent, acid, hypochlorous acid, scrub brush, etc.

### ■ DAILY MAINTENANCE

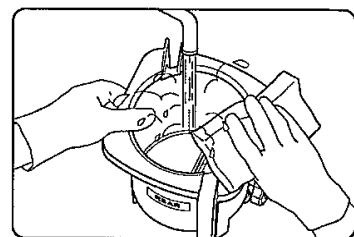
- Cleaning (Stocker, rotor, ice guide, separator, and drip tray)



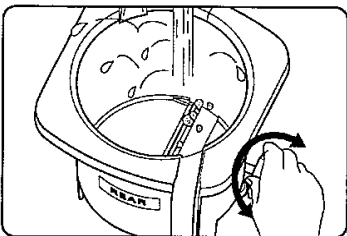
- 1** Take out the stocker after turning the crank handle clockwise to raise the rotor to the highest position.



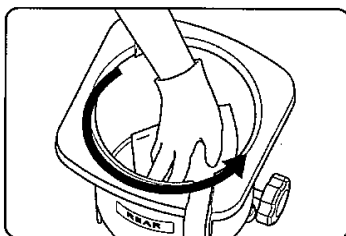
- 2** Take out the rotor downwards after turning the crank handle counter-clockwise to lower the rotor.



- 3** Wash the stocker, rotor, ice guide, separator, and drip tray with kitchen detergent using a sponge. Then, thoroughly rinse with water and wipe with a dry cloth.  
\*Beware of the blade and spikes of the rotor. They may cause injury.



- 4** When the ingredients enter the gap between the blade and the stocker, wash them away by turning the blade adjustment knob to the left and right to move the blade. If any ingredients are left, unwanted bacteria may increase and cause health hazards.



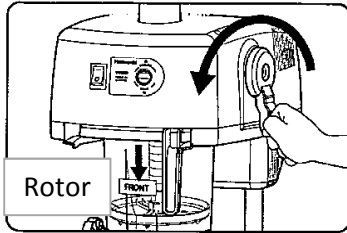
- 5** Before wiping the stocker, be sure to lower the blade below the surface of the bottom of the stocker and wipe it counter-clockwise.  
\*Never wipe the stocker clockwise. It may cause injury.

## ■ CLEANING (COVERS)

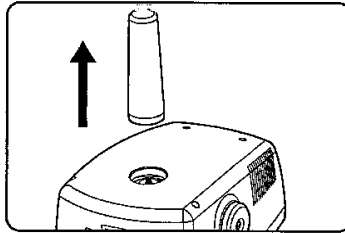
- Wipe covers using a soft, dry cloth.
- Clean hardened dirt using a damp cloth and warm water. A gentle dish detergent can be used. Be sure to completely remove any detergent with a damp cloth.

## ■ OCCATIONAL MAINTENANCE

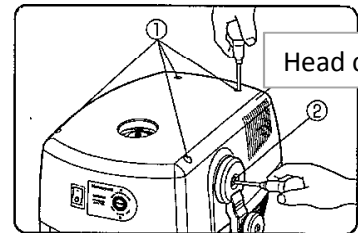
- Lubrication (A natural mineral oil for food machinery is recommended)



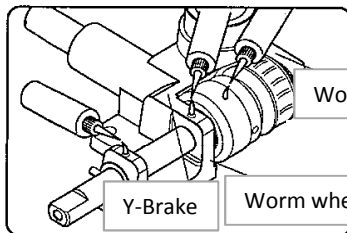
- 1** Turn the crank handle counter-clockwise to lower the rotor to the lowest position.



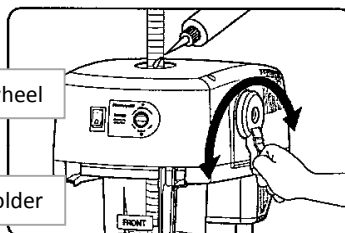
- 2** Lift the shaft cover to remove it.



- 3** Remove the four screws ① (fastening the head cover) and the screw ② (fastening the crank handle) using a Phillips screwdriver.



- 4** Insert the crank handle to the worm shaft temporarily (Ref. Page 3 Fixing Crank Handle). Turning the crank handle, lubricate the two small holes of the worm shaft holder top and the contact of Y-brake and the worm wheel.



- 5** Attach the head cover and then the crank handle to the crank handle shaft. Lubricate the main shaft and the shaft holder while moving the shaft up and down. Put the shaft cover back after lubrication. (Ref. Page 3 Mounting the Shaft Cover)

## MAINTENANCE

### ■ YEARLY MAINTENANCE

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#### MAINTENANCE OF GROUNDING THE MACHINE

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● Check the earth (ground) cord and its joints to confirm there is not any cut damaged or looseness.

#### CHECK THE PLUG

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● Dedicated (exclusive use) outlets.

Use a dedicated outlet for each machine.

● Check the plug and connect it firmly.

Confirm there is no dust on the plug prongs or the socket.

● Do not use the power cord if it is scratched, folded, placed under a heavy object, pinched or stained. Should there be anything irregular, contact your distributor or an authorized mechanic.

### ■ STORAGE

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To warehouse or store the machine for more than one week, dry it completely and keep the machine in a place free from moisture.

## TROUBLESHOOTING

### NOTE

- Before you call repair services, refer to the following instructions.  
If the problem is not solved after trying the following suggestions, contact your local dealer.

Problem	Things To Check	What To Do
<b>The machine does not start.</b>	Is the plug connected to the socket?	Connect to the socket.
	Is the protector working?	Refer to page <b>8</b> ABOUT THE PROTECTOR.
	Is the stocker mounted properly?	Mount the stocker properly.
	Is the belt broken?	Contact your distributor.
	Is the motor loaded heavily?	Switch OFF and remove the cause.
<b>The machine works, but does not slice ice well.</b>	Is the rotor installed properly?	Install the rotor properly.
	Is the rotor clean?	Wash the rotor and do not leave ingredients on it.
	Are the frozen ingredients too hard or melting?	Use frozen food of -15° to -40° Celsius.
	Is the stocker empty?	Put frozen food to slice in the stocker.
	Is the frozen food fixed firmly?	Install the rotor and turn the crank handle clockwise to fix the frozen food firmly.
	Is the rotor adequate size?	Use the adequate rotor for each frozen food.
	Is the blade dull?	Change the blade to a new one.
	Is the blade adjusted properly?	Turn the blade adjustment knob counter-clockwise to raise the blade from the bottom of the stocker.

## TRANSFER AND DISPOSAL

### ■ TRANSFER

● When selling or transferring this product to a third person, tape this instruction manual to the machine. This will ensure the new owner has all the instructions.

### ■ DISPOSAL

● Refer to a qualified service or your local dealer when discarding the product. Abandoned products are dangerous and can result in injury. Blades are dangerous and require proper disposal.

## SPECIFICATIONS

Model	HD70AA			
Rated Power Consumption	200/180W			
Unit Dimensions (W x D x H)	340 x 451 x 841 mm			
Net Weight(kg)	19			
Electrical	Check the machine plate. (230V, 50/60Hz)			
Standard Accessories	Extra Blade	.....1	Ice Guidance Tube	.....1
	Crank Handle	.....1	Separator	.....1
	Crank Handle Fixing Screw(M6 x 16 with lock)	.....1	Shaft Cover	.....1
	Stocker	.....1	Drip Hose	.....1
	Large Rotor	.....1	Ice Flag	.....1
	Small Rotor	.....1	Instruction Manual	.....1
	Drip Tray	.....1		