



ICE SHAVER

INSTRUCTION MANUAL

ELECTRIC TYPE

MODEL **FM-500E**

for Cube Ice

Thank you for purchasing our Swan Ice Shaver.
Please read the instruction manual before using
the machine.

WARNING

POTENTIAL RISK OF FIRE, ELECTRIC
SHOCK AND PERSONAL INJURY EXISTS.
CHECK WIRING. BLADE IS RAZOR SHARP
SO HANDLE WITH CARE WHEN REPLAC-
ING THE BLADE TO AVOID INJURY.

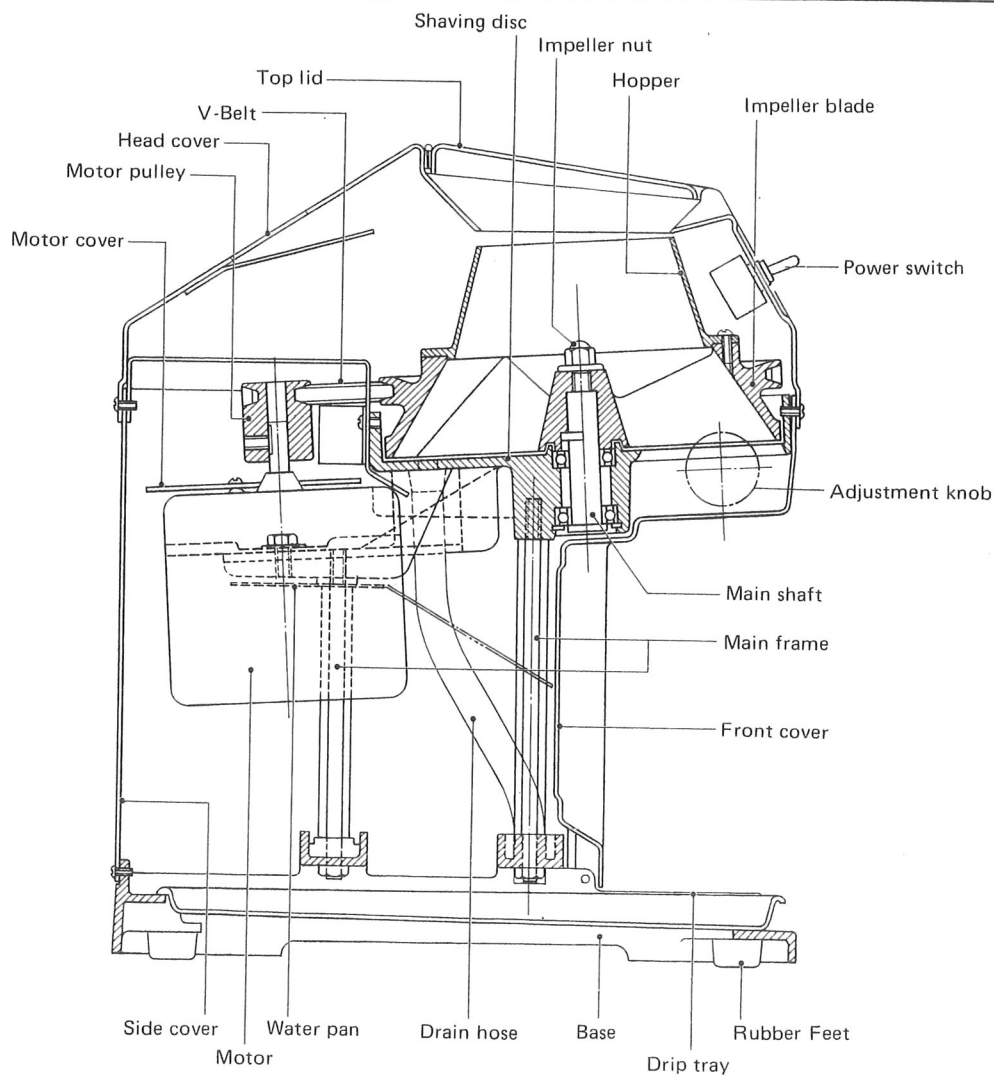
MANUFACTURED BY

 Ikenaga Iron Work's Co., Ltd.
Osaka, Japan

SPECIAL FEATURE

1. This is an Ice Shaving Machine made exclusively for cube ice but can use block ice too cracked into 3/4"~1-1/8" cubes.
2. Texture of the shaving can be easily adjusted with the Blade Adjustment Knob.
3. Easy to replace the Blade.
4. Shave ice will fall directly below so the position of the Drip Tray is stable.
5. Tension of the V-Belt is adjustable.
6. It is a highly efficient super-compact ice shaver with performance of the big machines.
Easy to set-up for use on counters, etc. with limited space.

PARTS



SPECIFICATIONS

Dimensions	: 16-3/16" tall x 11-3/8" wide x 12-5/8" deep
Net Weight	: 28.7 Lbs.
Shaving Capacity	: 4 ~ 6.6 Lbs./Min.
Electricity	: 115V 60Hz
Accessories	: 1 Spare Blade

USING DIRECTIONS

■ HOW TO START

1. Feed the Ice Shaver with required quantity of Cube Ice.
2. Turn the Switch on. Shaving will start simultaneously with the Motor.
3. Use the Blade Adjustment Knob to adjust desired texture of the shaving.
For adjustment, refer to ADJUSTMENT OF SHAVE ICE TEXTURE.

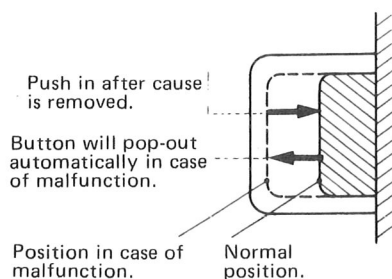
■ HOW TO STOP

1. Turn the Switch off. (Motor and the shaving will stop.)

ADJUSTMENT OF SHAVE ICE TEXTURE

1. Shave ice texture Dial Indicator reads from 0~6.
2. When Blade Adjustment Knob is turned clockwise until it stops, the dial will indicate 0.
At this position the blade is not raised.
3. To adjust shaving texture, turn Blade Adjustment Knob slowly|counterclockwise. This will raise the bade, allowing it to shave the ice.
4. Reading 1 indicates fine shaving up to 6 for coarse shaving.

PROTECTOR



A Push Button Switch (Protector) is located on the right side of the Head Cover. When foreign matter is mixed in the Ice Chamber and the Motor will not revolve, the Motor will stop automatically to prevent damage. In such case, turn the power source Switch off (disconnect the plug) and after the cause is removed, push the Push Button Switch. The Motor will automatically start again.

- * In case of malfunction, the Push Button (red color) will pop-out towards the outside cover. In normal case, the Push Button do not protrude (see illustration).

USING INSTRUCTIONS

1. There is a horizontal line on the center of the Drip Tray. Do not extend beyond this line because the drain water from above cannot be caught.
2. Use the machine on a firm and level place.
3. Change the Blade at least once a month (Frequency depends on use).
4. Do not use ice direct from freezer because the shave ice will not be fluffy and also cause needless blade wear. Use such ice after it softens to a certain extent. For best result, use ice taken out of a refrigerator.

CLEANING AND SANITIZING OF THE ICE CHAMBER

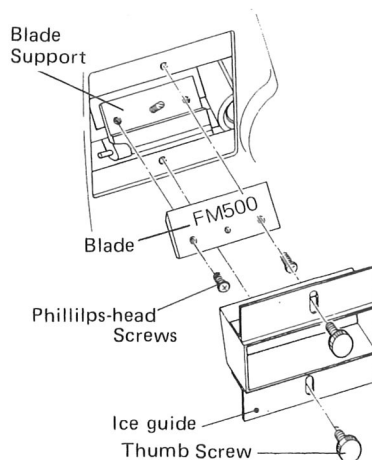
After day's work, pour in 2~3 cups of water with the Motor running. This will remove foreign matters as well as water slime.

Also coat approved sanitizer solution on surface the Ice Chamber with Brush and after 5~7 minutes, thoroughly flush with clean water with the motor running.

MAINTENANCE

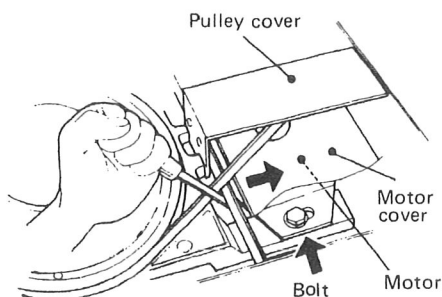
■ HOW TO CHANGE THE BLADE

1. Turn the blade adjustment knob to the right until it stops.
2. Lay down appliance sideways with the blade adjustment knob under.
3. Remove the 2 screws that hold the guide tube.
4. Remove the 2 Phillips screws that hold the blade, then remove the blade but do not meddle with the (—) screw in the center.
5. Replace with a new blade. Be sure it is accurately placed on the standard guide line.
6. Screw on the 2 Phillips screws slowly. Be sure the blade do not move above the standard guide line.
7. Insert the guide tube and screw it on.



■ ADJUSTMENT OF V-BELT TENSION

1. Remove the Head Cover.
2. Loosen the 4 bolts that hold the motor.
3. Push the motor backward and then tighten the bolt.

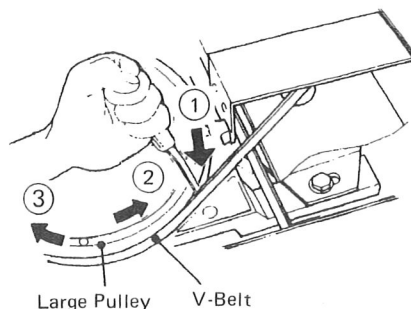


■ HOW TO REMOVE THE V-BELT

1. Force a screw driver into section shown by arrow (1) and turn the large pulley in the direction of arrow (2). The V-Belt will come off.

■ REPLACEMENT OF V-BELT (M. RED 29'')

1. Insert the V-Belt into the groove on the Motor Pulley, then slip it into the groove on the large pulley and turn it in the direction of arrow (3).



TROUBLE SHOOTING GUIDE

SYMPTOMS			CAUSE	REMEDY	PROTECTOR
FAIL TO TURN	Motor fail to turn.	Cord	Not plugged in properly. Broken power cord.	Plug cord into socket properly. Replace power cord.	
		Motor	Burned up Motor.	Replace motor.	
		Motor Pulley	Motor Pulley turning with no resistance.	Tighten Pulley Screw.	
	Cone Blade turn slow or fail to turn.	Barrel	Foreign substance stuck to Cone Blade. Nut to hold blade is loose.	Remove substance. Tighten nut.	Refer to section on Protector.
		V-Belt	Stretched-V-Belt. V-Belt ready to snap-off	Adjust tenion. Replace V-Belt.	
		Blade	Blade raised too high and touching Cone Blade.	Set the Blade properly.	Refer to section on Protector.
FAIL TO SHAVE	Fail to shave and noise get violent	Blade	Blade is chipped or do not cut.	Replace blade.	
		Barrel	Foreign substance in the Barrel.	Check inside the Barrel and remove substance if any.	Refer to section on Protector.
	Shaving too fine	Blade	Blade not set properly or dull.	Set the Blade properly or replace the Blade.	
		Blade Adjustment Knob	Adjustment Knob is turned back more than necessary on fine side.	Readjust Adjustment Knob on coarser side.	
	Shaving too coarse	Blade Adjustment Knob	Blade Adjustment Knob turned more than necessary.	Readjust position of Blade Adjustment Knob	
MACHINES TREMBLES		Barrel	Cube Ice in the Barrel inclined to one side.	Feed Cube Ice to balance or supplement.	
		Blade	Blade is dull.	Replace blade. Readjust the blade.	
		Position	Machine not installed on flat surface.	Check installed surface and strengthen with strong board	
Surface where machine is installed is wet.	Drain House	Connector tube is located on tip of the Drip Tray	Check connection Devise some means		
	Drip Tray	Drip Tray projecting a little too far out	Drip Tray should be pushed in up to the horizontal line		

OTHERS

- LUBRICATION Not necessary.
- REPLACEMENT PARTS All parts are replaceable because they are made according to factory standard and whenever there is a defective part, it should be replaced.
Abundant running stock of all parts are available.
- STORAGE AFTER SEASON
 1. Wipe off moisture with piece of cloth, then wipe again with dry piece of cloth.
(Soiled cover can be cleaned with neutral cleaning materials).
 2. Remove the Blade, clean and lubricate with cooking oil, then wrap in oil paper before storage.
 3. Cover the machine with Vinyl bag and store in carton. Do not put anything heavy on top of this carton.
 4. Store the machine in cool dry place.

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