

SWAN

ICE SHAVER

INSTRUCTION MANUAL

ELECTRIC TYPE
MODEL SI-150CBK

for Block Ice

Thank you for purchasing Swan Ice Shaving Machine.

For correct use, carefully read and understand the entire Instruction Manual.

Furthermore, after reading it, the manual should be kept so that it can be referred to when necessary.

In case the machine is resold to another party, ensure that it is sold together with the Instruction Manual.

WARNING

**POTENTIAL RISK OF FIRE, ELECTRIC
SHOCK AND PERSONAL INJURY EXISTS.
CHECK WIRING AND SET PRONGS INTO
ICE BLOCK FIRMLY TO AVOID INJURY.**

**CAUTION: EXPOSED SHARP
OBJECT INSIDE.**

In order to use the product correctly and for your safety,
please read the following manual carefully.

CAUTION

- This appliance is not intended for home use. This is intended for use in the locations such as: staff kitchen areas in shops, offices and other working environments; in hotels, motels and restaurants etc.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
Children should be supervised to ensure that they do not play with the appliance.
- Please read the Instruction Manual carefully till the end. Please operate the product only after understanding the guidance on usage.
- This product is an electrical equipment. To prevent electric shock, mount it to the ground.
- Use a single phase AC **115V** for power supply. Do not use power strip or splicing wire as it may cause malfunction due to heat generation or voltage drop.
- Do not pour water on the product or dip it in the water.
- Place the machine on a strong and flat horizontal surface or location where dripping water is permissible.
- Placing the product under direct sunlight or exposure to high temperature, using chemicals such as thinner, benzene etc. may cause deformation or malfunction of the product.



WARNING

- Never open the head cover. For replacement and adjustment of the V-belt, inspection and repair of the electrical system, ask the manufacturer or an agent with specialized knowledge.
- Switch off the appliance and disconnect from supply before changing accessories or approaching parts that move in use.
- The Blade as well as the spike are sharp and dangerous. Please use with caution to avoid injuries specially during inserting and taking out of the ice.
- Always place the block ice on the center of the Shaving Disc with the flat side up and ensure that the spikes are embedded properly in the ice before use. Imperfect placement or pressure on the block ice may cause the ice to fly out of the machine and may cause injuries.
- Ice stored in freezer should not be used immediately for shaving as it could damage the blade. Let the ice thaw (15-20 minutes) until it

becomes semi-transparent. Please do not leave the ice on the Shaving Disc as the ice can melt and get embedded in the Blade and may cause the Motor to breakdown due to overload.

- Do not use generator for power supply. There is possibility for the Motor to start fire if paired with high voltage.

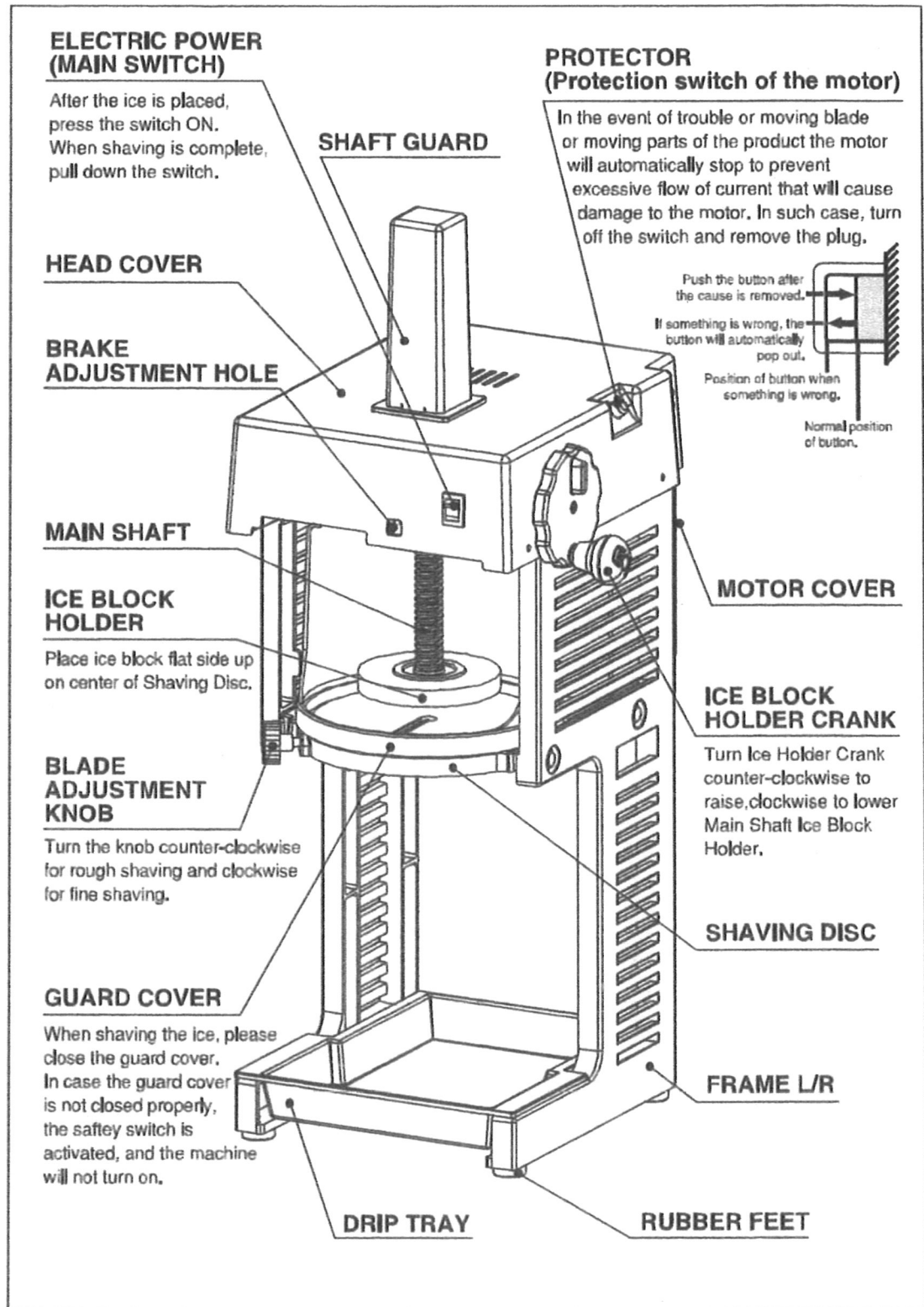
MAINTENANCE AND INSPECTION

- Ensure that the Shaving Disc and the blade are properly cleaned.
- Perform periodic inspection to use safely and efficiently.
Using damaged or broken blade will cause overload on the belt and the motor and may cause damage to the product.
Please replace the damaged blade as early as possible.
Check that the screw is tight at each part.
- Turn off the machine and unplug from the socket at the end of the day.
When unplugging from socket, do not pull on the cord. Pull the plug out.
- In case of storage for prolonged period, remove the Blade and apply oil on the blade. Wrap it in oil paper for storage.
Ensure that the main shaft has been properly cleaned and apply oil as necessary.
For the main body of the product, wipe with soft fabric and dry well before storing in a storage. Keep away from humidity.
Do not place heavy object on the product.
- If the power code is broken it must be replaced by the manufacturer or qualified personnel of the agency.

FEATURE OF THE PRODUCT

- ① Stylish square body and black color that attracts attention.
- ② Light weight body made of aluminum.
- ③ Ease of use - increased space under the shaving disc.
- ④ Large Ice Block Holder Crank for increased power to press on ice.
- ⑤ Reduced noise by rotation of main shaft with the use of belt.
Enjoy the sound of ice shaving!

NAME & FUNCTION OF PARTS



DIRECTIONS OF USE

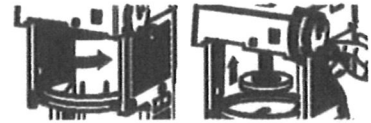
• DIRECTIONS BEFORE USE

The Ice Block Holder Crank is detached from the machine and packed together so it must be installed. Insert Ice Block Holder Crank onto Shaft Pin located on the right side of machine, then firmly tighten screw in the center.

1 Raise Main Shaft Ice Block Holder.

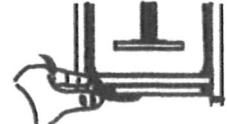
Turn Ice Block Holder Crank counter-clockwise and raise Main Shaft Ice Block Holder.

• The Polycarbonate Shield should be turned horizontally to the rear.



2 Set the Blade lower than the Shaving Disc.

Set the Blade lower than the Shaving Disc by turning the Blade Adjustment Knob to the right. By putting the block ice on the Blade while it is out may cause damage or malfunction of the Blade and the Motor.



3 Place ice block flat side up, and on the center of the Shaving Disc. The size of ice to be placed on the shaving disc should be 13,13 and 13cm or less height.

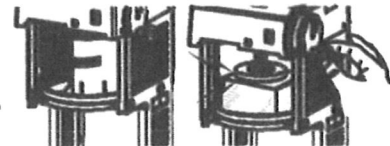
⚠ The Blade as well as the spikes are dangerous. They must be handled with extreme care. Ensure that the block ice is placed on the center of the Shaving Disc with the flat side up and the spikes on the Block Ice Holder are deeply embedded in the ice before use. Imperfect placement or incorrect pressure on the block ice will cause the ice to fly out and can cause damages/injuries. Ice stored in refrigerator should not be used immediately for shaving as it will damage the Blade. Let the ice to thaw in room temperature until it becomes semi-transparent before use.



4 Turn Ice Block Holder Crank clockwise and lower Ice Block Holder onto ice.

Apply pressure until the Ice Block Holder prongs are firmly imbedded in the ice.

• The Polycarbonate Shield should be turned horizontally to the front.



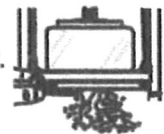
5 Turn on Main Switch.

Main Shaft Ice Block Holder will start to revolve.



6 Turn Blade Adjustment Knob.

Turn Blade Adjustment Knob located on the left side of Shaving Disc Frame counterclockwise SLOWLY. This will raise the Blade, allowing it to shave the ice. The higher the Blade is raised, the coarser and faster the ice will come out.



7 After the texture of shave ice is adjusted, hold the cup under the outlet of shave ice.

8 Turn off Main Switch after use.

9 Turn Ice Block Holder Crank counter-clockwise and raise Main Shaft Ice Block Holder.

⚠ Turn the Blade Adjustment Knob to the right before removing the Ice and keep the Blade out of the Disk.

10 Remove ice block.

⚠ The Blade as well as the spikes are dangerous. They must be handled with extreme care.

11 After use, wipe off moisture and dirt with a soft cloth and dry thoroughly.

TO CHANGE BLADE

- Replace or sharpen the Blade at least 2 or 3 times per season. When the Blade becomes dull, replace with new Blade.
- For new replacement Blade, consult the store where this product was bought.
- Stainless steel Blades are difficult to sharpen. We recommend exchanging with a new Blade.

To remove

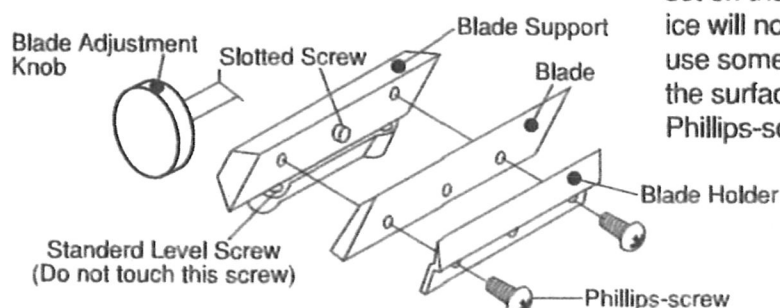
Turn the Blade Adjustment Knob to the right all the way until it stops.

- Unscrew the two Phillips-screws. Remove the Blade Holder and Blade.

⚠ Use caution when handling the Blade.

⚠ Do not meddle with the center Slotted screw.

Blade attachment drawing



To install new Blade

Install it in reverse order of removal.

- Place the new Blade accurately on the standard level guide screws on the Blade Support. Ensure that (86 SWAN) mark is visible.
- Put the Phillips-screw and slowly screw it on so that the Blade does not lift up from the standard level guide screws. Ensure that the screws are tight.
- If both ends of the Blade are not accurately set on the standard level guide screws, the ice will not shave properly. In such a case, use something flat and lightly press down on the surface of Shaving Disc and tighten the Phillips-screw.

Brake Adjustment

- Adjust when shaving is unsatisfactory.

When the Ice Block Holder Crank turns very lightly, turn Brake Adjustment Screw clock-wise with screw driver.

When the Ice Block Holder Crank turns very heavily, turn Brake Adjustment Screw counterclock-wise with screw driver.

⚠ The Brake is adjusted when shipped out of the factory. Avoid meddling with it.

- Replacing the Brake Shoe

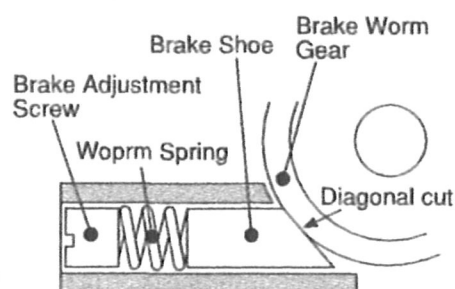
1 Remove the Brake Adjustment Screw by turning it to the left with the adjusting screwdriver at the center of the Head Cover.

2 Brake Shoe can be removed together with Brake Adjustment Screw and spring.

In case of difficulty in removing the brake shoe, tilt the product forward.

3 To assemble the product, reverse the order of removal. Refer to the picture for the direction of Break Shoe.

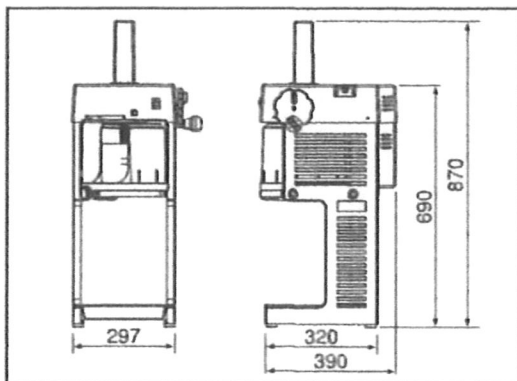
Cross section of the Brake Adjustment



TROUBLESHOOTING GUIDE

	PROBLEMS		CAUSE	SOLUTION
FAIL TO REVOLVE	Motor fails to turn	Cord	• Cord not properly plugged in. • Broken power cord.	• Plug cord into socket properly. • Replace power cord.
		Protector	• Guard cover is not closed properly.	• Close the Guard Cover completely.
	Main Shaft fails to turn	Key	• Worn out cast iron Brake Worm Gear Key.	• Replace Key.
	Main Shaft fails to move up or down	Ice Block Holder Crank	• Missing or broken. • Lock Pin for Ice Block Holder Crank.	• Install new Lock Pin.
		Brake Worm Gear	• Worn out cast iron Brake Worm Gear.	• Replace Brake Worm Gear.
FAIL TO SHAVE	Fail to shave	Blade	• Chipped or rusty Blade.	• Replace Blade.
	Ice block jump out or unsteady	Blade	• Blade is raised higher on the inner side than the outer side of Shaving Disc. • Blade is raised too high because blade do not shave.	• Set Blade flush with Shaving Disc. • Replace Blade.
		Brake	• Brake is weak.	• Turn Brake Adjustment Screw clock-wise to tighten.
		Ice Block Holder	• Prongs not firmly imbedded in the ice block.	• Turn over ice block so flat side is up.
	Shave ice too fine	Blade	• Blade not set properly or Blade is dull.	• Set Blade properly.
		Brake	• Brake is weak.	• Turn Brake Adjustment Screw clock-wise to tighten.
	Shave ice too rough	Blade	• Blade raised too high because Blade do not shave.	• Replace Blade.
		Brake	• Brake is strong.	• Turn Brake Adjustment Screw counterclock-wise to ease.
	Texture of shave is not uniform	Brake Worm Gear	• Worn out cast iron Brake Worm Gear.	• Replace Brake Worm Gear.
		Brake Shoe	• Weak or worn out Brake Shoe, Worm Spring.	• Replace Brake Shoe, Worm Spring.
ICE BLOCK HOLDER CRANK	Turns heavily	Brake	• Brake tension too tight.	• Ease tension by turning Brake Adjustment Screw counterclock-wise.
	Turns lightly	Brake	• Brake tension too weak.	• Tighten tension by turning Brake Adjustment Screw clock-wise.
		Brake Shoe	• Weak or worn out Brake Shoe, Worm Spring.	• Replace Brake Shoe, Worm Spring.

DIMENSIONS



SPECIFICATIONS

Power Requirement	AC115V 60Hz
Rated Power Consumption	178W
Rated Time	30min
Effective Diameter of Disc	217mm
Ice slicing ability	1.8~2.2kg per minute
Dimensions	W297mmxD390mmxH690mm(Max870mm)
Weight	21kg
Accessories	SPARE BLADE(1), DRIP TRAY(1)

※ Specifications and appearance of the product are subjected to change without notice for performance improvement

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 **Ikenaga Iron Works Co., Ltd.**
Osaka, Japan
