

# Shavatron Ice Shaver

## Instruction Manual

1020-00-100, 1020-01-100 (Shavatron)  
1020-00-101, 1020-01-101 (Top Half Shavatron)







 **GOLD MEDAL**®



**FUNFOOD EQUIPMENT & SUPPLIES**



Cincinnati, OH 45241-4807 USA



# SAFETY PRECAUTIONS



	 <b>DANGER</b>
	<p>Machine must be properly grounded to prevent electrical shock to personnel. Failure to do so could result in serious injury, or death.  <b>DO NOT</b> immerse any part of this equipment in water.  <b>DO NOT</b> use excessive water when cleaning.                      Keep cord and plug off the ground and away from moisture.                      Always unplug the equipment before cleaning or servicing.                      Make sure all machine switches are in the OFF position before plugging the equipment into the receptacle.</p> <p style="text-align: right; font-size: small;">008_051514</p>

	 <b>DANGER</b>
	<p>Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Any alterations to this equipment will void the warranty and may cause a dangerous condition. This appliance is not intended to be operated by means of an external timer or separate remote-control system. <b>NEVER</b> make alterations to this equipment. Read the Installation, Operating, and Maintenance Instructions thoroughly before installing, servicing, or operating this equipment.</p> <p style="text-align: right; font-size: small;">014_020416</p>



	 <b>WARNING</b>
	<p>This machinery contains sharp blades. Keep hands and body parts clear at all times.</p> <p style="text-align: right; font-size: small;">037_103114</p>



	 <b>WARNING</b>
	<p><b>NEVER</b> put your fingers into the shaver body (the goose-neck, ice chute, or hopper). Serious injury may occur.</p> <p style="text-align: right; font-size: small;">017_103114</p>

	 <b>WARNING</b>
	<p><b>ALWAYS</b> wear safety glasses when servicing this equipment.</p> <p style="text-align: right; font-size: small;">010_010914</p>

	 <b>WARNING</b>
	<p>No user serviceable parts inside. Refer servicing to qualified service personnel.</p> <p style="text-align: right; font-size: small;">011_051514</p>

	 <b>WARNING</b>
	<p>Read and understand operator's manual and all other safety instructions before using this equipment. To order copies of the operator's manual go to <a href="http://gmpopcorn.com">gmpopcorn.com</a> or write to Gold Medal Products Co., 10700 Medallion Drive, Cincinnati, OH 45241 USA 1-(800)-543-0862</p> <p style="text-align: right; font-size: small;">022_060215</p>

	 <b>WARNING</b>
	<p>DO NOT allow direct contact of this equipment by the public when used in food service locations. Only personnel trained and experienced in the equipment operation may operate this equipment. Carefully read all instructions before operation.</p> <p style="text-align: right; font-size: small;">012_010914</p>

	 <b>WARNING</b>
	<p>This machine is NOT to be operated by minors.</p> <p style="text-align: right; font-size: small;">007_010914</p>

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.

**Note:** Improvements are always being made to Gold Medal's equipment. This information may not be the latest available for your purposes. It is critical that you call Gold Medal's Technical Service Department at 1-800-543-0862 for any questions about your machine operations, replacement parts, or any service questions. (Gold Medal Products Co. does not assume any liability for injury due to careless handling and/or reckless operation of this equipment.) General images may be used in manual for reference only.

# INSTALLATION INSTRUCTIONS

## Inspection of Shipment

After unpacking, check thoroughly for any damage which may have occurred in transit. Claims should be filed immediately with the transportation company. The warranty does not cover damage that occurs in transit, or damage caused by abuse, or consequential damage due to the operation of this machine, since it is beyond our control (reference warranty in back of manual).

## Manual

Read and understand the operator's manual and all other safety instructions before using this equipment. To order copies of the operator's manual go to [gmpopcorn.com](http://gmpopcorn.com) or write to Gold Medal Products Co., 10700 Medallion Drive, Cincinnati, OH 45241 USA 1-(800)-543-0862.

## Items Included with this Unit

- Drain Hose
- Snow Dipper
- Ice Scoop

## Setup

This unit has been tested at the factory.



1. Remove all packaging and tape prior to operation.
2. Place unit on a sturdy, level base which can withstand accidental dripping of water and ice.
3. Connect the drain hose to funnel excess water to floor drain or basin tub. Drained water is not intended for human consumption.
4. After setup, the unit should be cleaned prior to use (see Care and Cleaning section of this manual).

## Electrical Requirements

The following power supply must be provided:

**1020-00-100, 1020-00-101:** 120 V~, 970 W, 60 Hz



**1020-01-100, 1020-01-101:** 230 V~, 820 W, 50 Hz

	 <b>DANGER</b>
	<p>Machine must be properly grounded to prevent electrical shock to personnel. Failure to do so could result in serious injury, or death.  <b>DO NOT</b> immerse any part of this equipment in water.  <b>DO NOT</b> use excessive water when cleaning.            Keep cord and plug off the ground and away from moisture.            Always unplug the equipment before cleaning or servicing.            Make sure all machine switches are in the OFF position before plugging the equipment into the receptacle.</p> <p style="text-align: right; font-size: small;">008_051514</p>

A certified electrician must furnish sufficient power for proper machine operation and install any supplied receptacle. We recommend this equipment be on a dedicated and protected circuit. Failure to wire properly will void the warranty and may result in damage to the machine. It is Gold Medal Products Co.'s recommendation that this machine be plugged directly into a wall outlet. The use of extension cords is not recommended due to safety concerns, and may cause sacrificed and/or reduced performance. Make sure cord is located to prevent a trip hazard or unit upset.

## Before You Plug In Machine

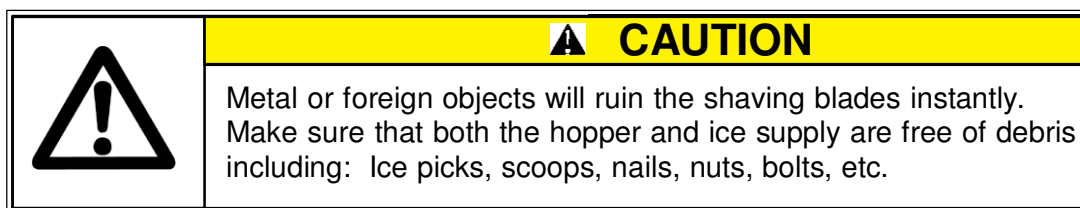
1. Make sure all machine switches are in the OFF position before plugging the equipment into the receptacle.
2. Make sure the wall outlet can accept the grounded plugs (where applicable) on the power supply cord.
3. The wall outlet must have the proper polarity. If in doubt, have a competent electrician inspect the outlet and correct if necessary.
4. **DO NOT** use a grounded to un-grounded receptacle adapter (where applicable).
5. Install the unit in a level position.

	 <b>CAUTION</b>
	<p>If the supply cord is damaged, it must be replaced by Gold Medal Products Co., its service agent or similarly qualified persons in order to avoid a hazard.</p> <p style="text-align: right; font-size: small;">039_080614</p>

# OPERATING INSTRUCTIONS

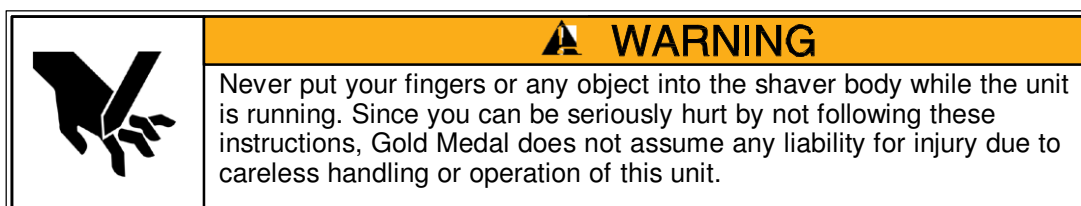
Make sure the hopper is clear of obstructions, then secure a supply of ice (either blocks, cubes or rough crushed ice) and fill the hopper. Ice chunks should be no larger than a baseball for maximum capacity (large ice chunks take more time to shave).

1. Move the toggle power switch into the "ON" position to illuminate the lights.
2. Fill the hopper with ice. Be careful not to overfill.
3. Close the hopper lid. The unit will not operate if the lid is not completely closed.
4. Push the momentary motor switch.




## Safety Cut-Off Switch

Your Shavatron is equipped with a safety cut-off switch. With the momentary motor switch pressed on, the machine will not operate with the hopper lid open. This is to prevent accidental injury while loading or cleaning the hopper. Be careful not to overfill the hopper to the extent that the hopper lid stays open. The lid must be closed and you must press the momentary motor switch in order for the machine to operate.



## Care and Cleaning

	<b>⚠ DANGER</b>
	Machine must be properly grounded to prevent electrical shock to personnel. <b>DO NOT immerse in water.</b> DO NOT clean appliance with a water jet. Always unplug the equipment before cleaning or servicing. <small>025_111616</small>

	<b>⚠ WARNING</b>
	This machinery contains sharp blades. Keep hands and body parts clear at all times. <small>037_103114</small>

Good sanitation practice demands that all food preparation equipment be cleaned regularly (only use non-toxic, food grade cleaners). A clean looking, well-kept machine is one of the best ways of advertising your product.



Follow the directions below to clean and sanitize the unit after each day of use.



1. With the machine OFF, unplug the unit before attempting to clean.
2. Empty water from pans and clean using appropriate cleaners for the type of machine; review all manufacturer's instructions and warnings on cleaning product prior to use.



**DO NOT** use oven cleaners or abrasive materials as they will damage parts of the machine.



**DO NOT** use Ammonia cleaners, they will damage plastic panels.

## MAINTENANCE INSTRUCTIONS

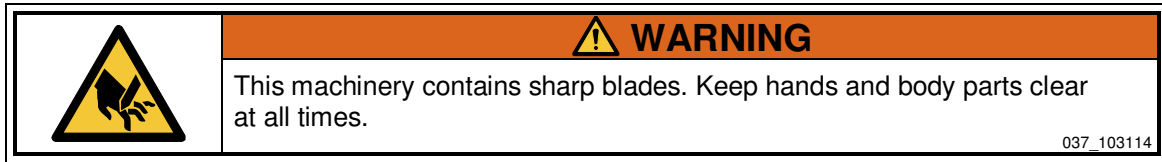
	 <b>DANGER</b>
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	 <b>WARNING</b>
	<p>No user serviceable parts inside. Refer servicing to qualified service personnel.</p> <p style="text-align: right;">011_051514</p>

	 <b>CAUTION</b>
	<p>THE FOLLOWING SECTIONS OF THIS MANUAL ARE INTENDED ONLY FOR QUALIFIED SERVICE PERSONNEL WHO ARE FAMILIAR WITH ELECTRICAL EQUIPMENT. THESE ARE NOT INTENDED FOR THE OPERATOR.</p> <p style="text-align: right;">027_010914</p>

## Blade Adjustment

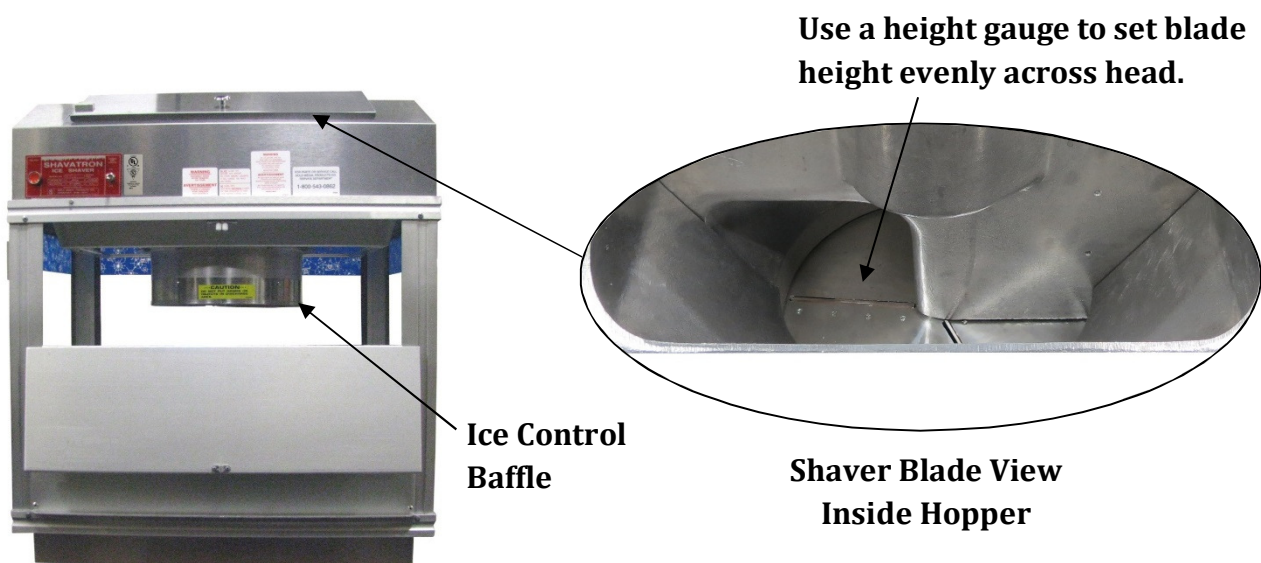


To adjust the shaver blades. ALWAYS turn the machine OFF and unplug unit from the power supply prior to blade inspection or replacement. Use a flashlight to examine the blades in the shaver body. If the blades appear to be nicked or bent, then the blades should be replaced.

1. With the machine OFF, unplug the unit from the power supply.

**NOTE:** The cutter head does not need to be removed to replace shaver blades.

2. Remove the two screws holding the ice control baffle to the bottom of the hopper casting (located inside the case at the top; see image below).
3. Loosen and remove the screws holding the blades in place, then remove and discard the old blades.
4. Install the new shaver blades; set the blade height to 1/32" using the height gauge provided (thickness of a dime). Make sure the blade height is even across the shaver head (see image below).
5. Tighten the blade mounting screws completely. Check the blade height again to ensure the blades did not move while tightening the screws.
6. When finished, turn the shaver head by hand to make sure it clears the hopper casting, and there are no obstructions.
7. Reinstall the ice control baffle.



## Motor Lubrication

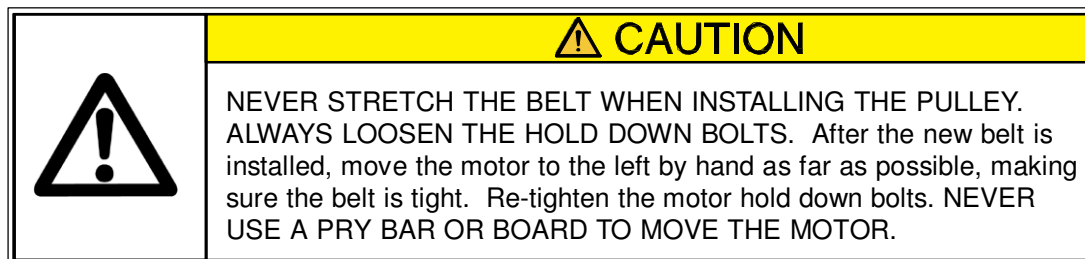
The drive motor bearings are sealed and require no lubrication. Do not oil the motor, it will cause more harm than good.

## Sign Lighting

Remove the sign retaining angle from the top of the dome, by removing the four screws that hold it into place, and then slide the sign out to access the LED strips.

## Changing Belts

Unplug your machine. (On units manufactured before 3-1-95.) Raise the hopper lid until the lug on the right hand side can be lifted out of its slot in the hinge bracket. Slide the lug on the left hand side out of the hinge bracket, and remove the hopper lid. Remove the two bolts which hold the hinge bracket to the machine. The dome can now be removed. (On units manufactured after 3-1-95). Remove the four dome hold down screws. Loosen the four motor hold down bolts and slide the motor toward the center of the hopper, loosening the belt. Remove the old belt and install a new one.



## Lubrication of Thrust Bearing and Adjustment of End Play

The small thrust bearing should be lubricated approximately once per season. Unplug your machine. Remove the dome. To do this, remove the two screws which hold the bracket in place, and carefully lay the bracket face down on the top frame. A large hex adjustment nut is located below the pulley on the shaver shaft. Loosen the set screw in the side of the hex nut. Loosen the adjustment nut as much as possible, so it is up against the pulley. **NOTE:** This nut is of the airplane locking type, therefore, it will turn hard on its threads at all times. By grasping the pulley, hold the shaft upward as much as you can, and press some grease into the thrust bearing located below the adjustment nut. Use any variety of sticky type grease, such as water pump grease or Alpha Molykote Corp., No. 505 "Whitekote" lubricant (recommended by the bearing manufacturer). After the grease has been applied, screw the adjusting nut downwards until all play up and down is removed. Do not tighten any further. Now tighten the set screw and reassemble your machine.

## Removal and Replacement of Glass

To remove glass from the frame, grip the retaining vinyl with needle nose pliers at a corner and pull. Repeat for each corner of glass. With the vinyl removed, carefully remove the glass. To install new glass, place the glass in the frame, making sure the glass does not enter the channel intended for the vinyl. Starting at a corner, install the vinyl into the channel (make sure it locks into place). A knife handle with a rounded point is useful in pushing the vinyl into position. Obtain Tempered glass from a local hardware store, in the following sizes:

Front Glass (1 required) — 20" x 24" x 1/8"

Side Glass (2 required) — 16" x 20" x 1/8"

## ORDERING SPARE PARTS

1. Identify the needed part by checking it against the photos, illustrations, and/or parts list. (General images may be used in manual for reference only.)
2. Use only approved replacement parts when servicing this unit.
3. When ordering, please include part number, part name, and quantity needed.
4. Please include your model number, serial number, and date of manufacture (located on the machine nameplate/data plate) with your order.
5. Address all parts orders to:

Parts Department  
Gold Medal Products Co.  
10700 Medallion Drive  
Cincinnati, Ohio 45241-4807

Or, place orders by phone or online:

Phone: (800) 543-0862  
(513) 769-7676  
Fax: (800) 542-1496  
(513) 769-8500  
E-mail: [info@gmpopcorn.com](mailto:info@gmpopcorn.com)  
Web Page: [gmpopcorn.com](http://gmpopcorn.com)

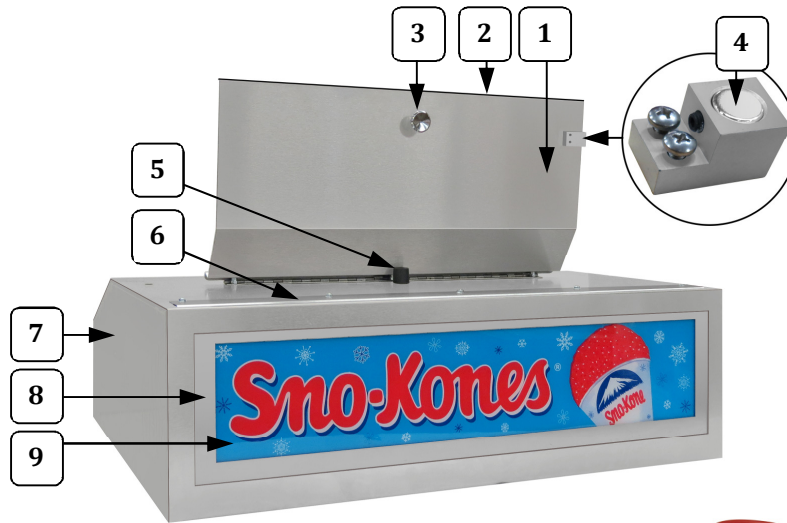
## Parts Breakdown



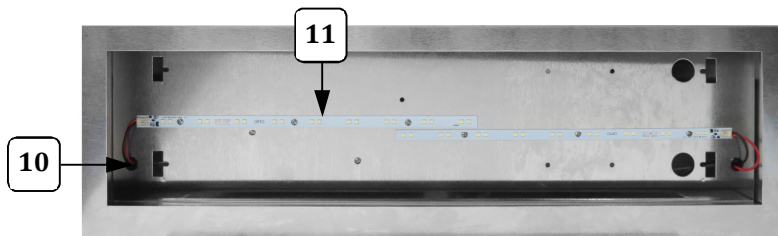
General images shown for parts reference only.

Item	Part No.	Description
1	39112	Dome Assembly
2	39933	Sign
3	39052	Decal, Front
3a	39053	Decal, Side
4	39043	Drain Pan Assembly
5	39019	Ice Drain Board
6	41282	Rubber Feet (x4)
7	39040	Strain Relief
8	22038	(Domestic) Lead-In Cord, 15 Amp Plug
	42369	(Export) Power Supply Cord

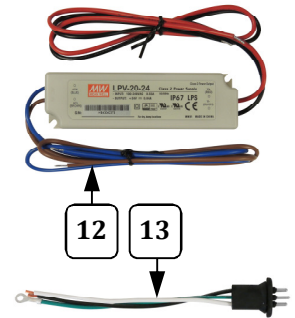
## Dome and Lighted Sign Assembly



**Lighted Dome Assembly - Front View**



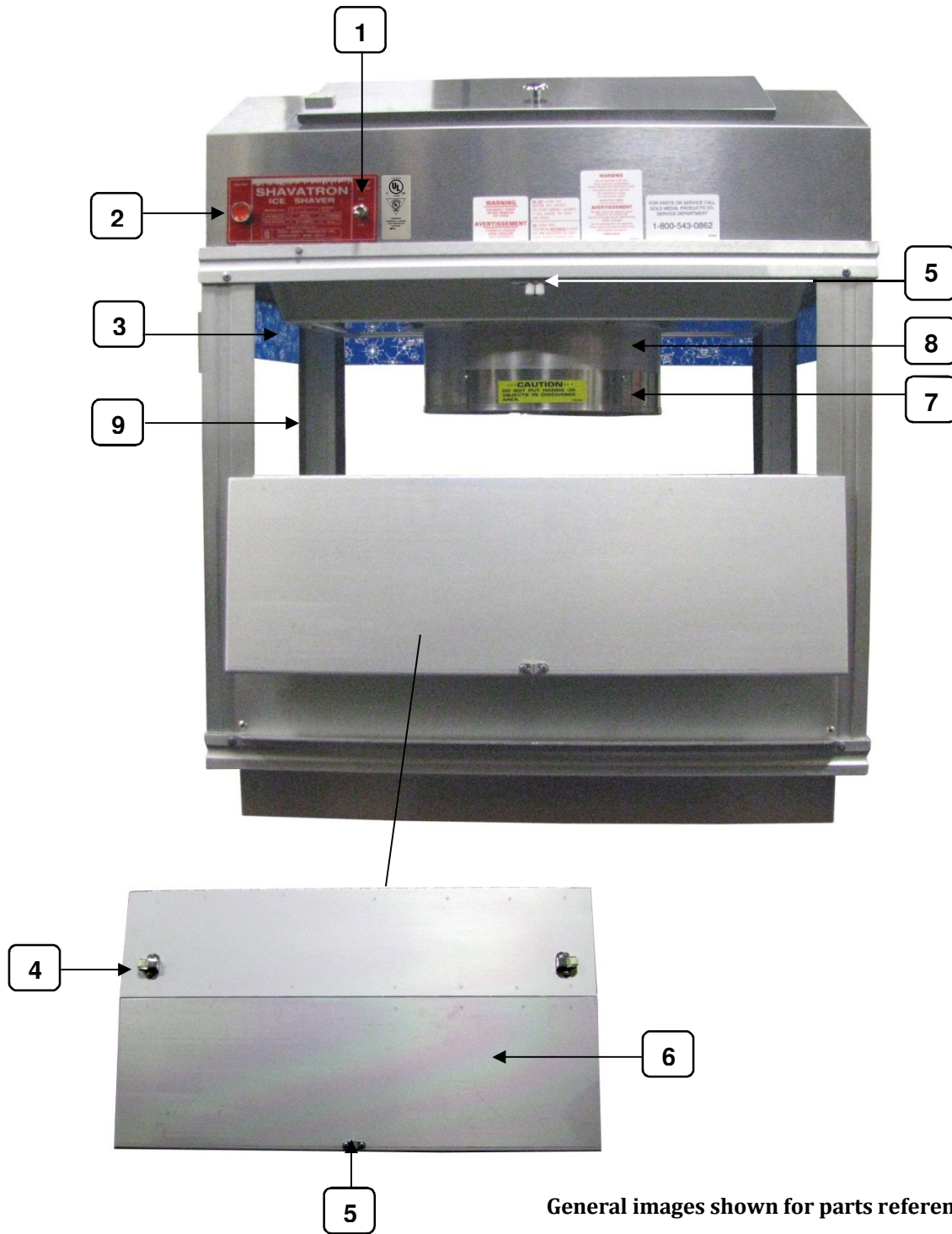
**Lighted Dome Assembly - Rear View**



**14 Molded Receptacle (not shown)**

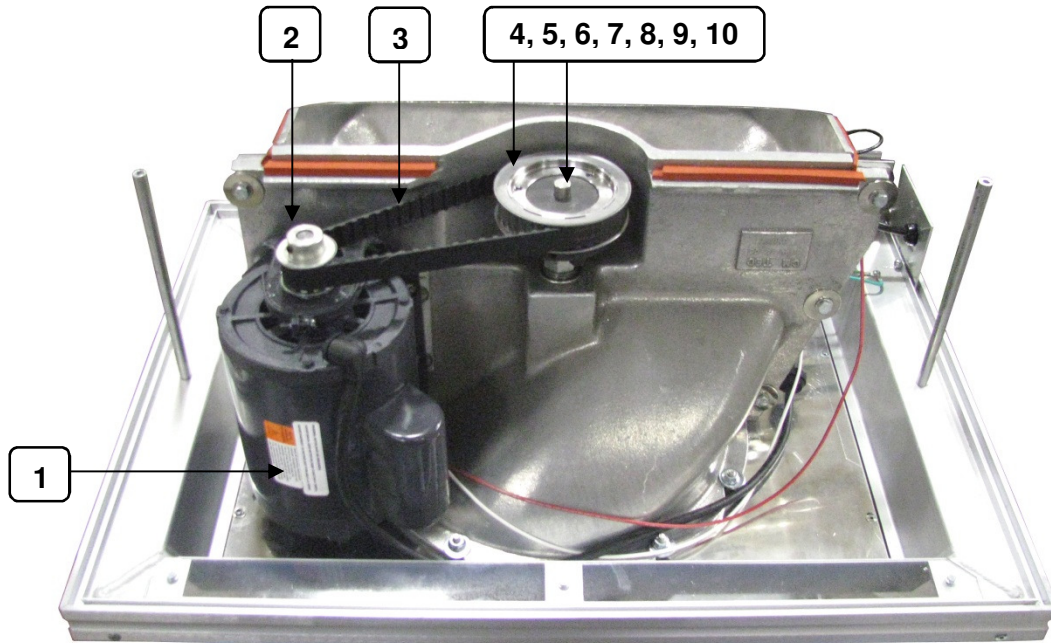
General images shown for parts reference only.

Item	Part Description	Part Number
1	Lid And Hinge Assembly	39111
2	Black Edge Trim	39114
3	Door Knob	41013
4	1/2 X 1/2" Magnet	12078
5	3/4" High Rubber Foot	47155
6	Dome Support Angle	41316
7	Dome Weld Assembly	39112
8	Sign Frame Weldment	17249
9	Shavatron Sign	39933
10	Snap .500 In Bushing	47236
11	Led Strip Cool White	55379
12	24vdc 20w Power Supply	55394
13	Molded Plug	47726
14	Molded Receptacle (Not Shown)	47727



General images shown for parts reference only.

Item	Part No.	Description
1	47201	(Domestic) Switch, Toggle SPST
	74087	(Export) DPST Toggle Switch
2	38971	Momentary Switch
3	39053	Decal, Side (x2)
4	12045	Door Catch (x2)
5	41011	Door Catch
6	39002	Door Assembly
7	39134	Baffle
8	39120	Ice Shield

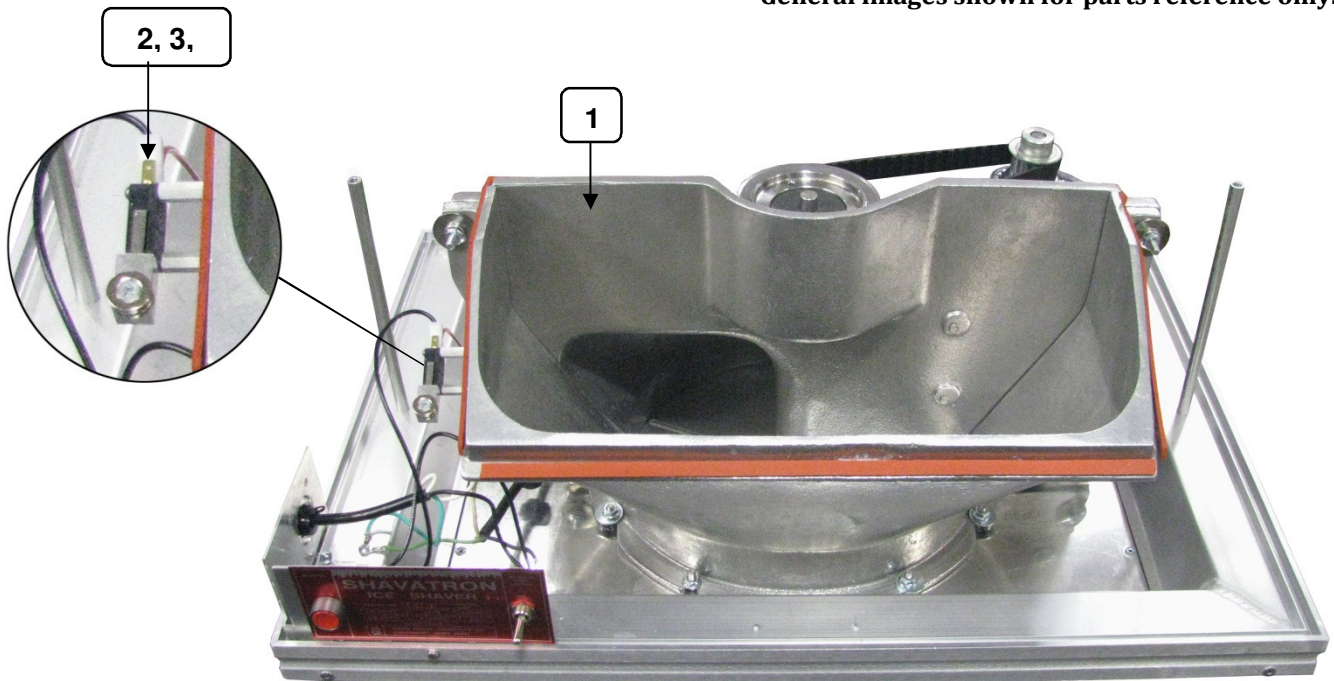


General images shown for parts reference only.

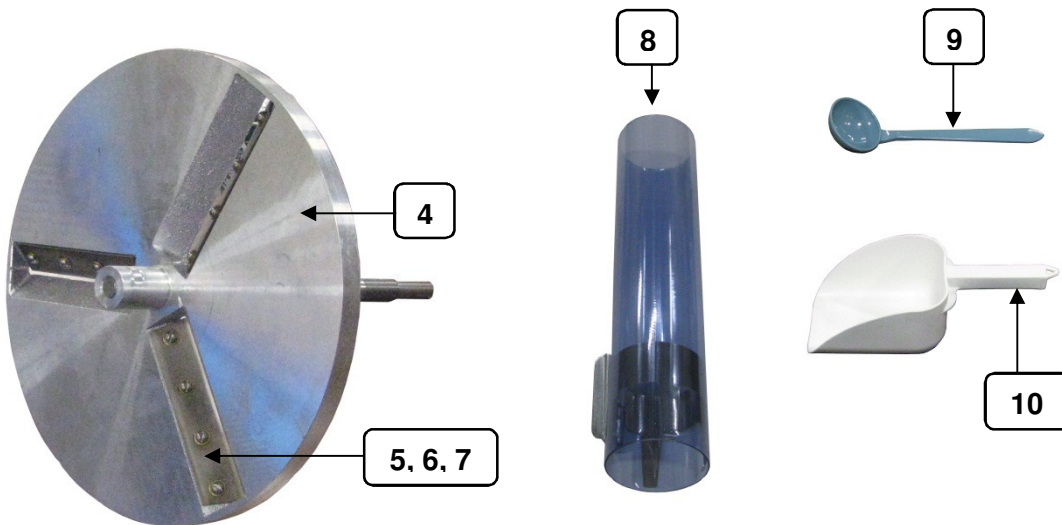
Item	Part No.	Description
1	39022	(Domestic) Motor, 115/230 60 Hz *
	39022EX	(Export) 1/3 HP 50/60 Hz Motor*
2	39023	Drive Motor Pulley
3	39025	Drive Belt (Manufactured Before 3-95)
	39122	Drive Belt (Manufactured Between 3-95 and 8-08)
	67865	Drive Belt (Manufactured After 8-08)
4	39024	Cutter Head Pulley
5	89320	NUT,HEX JAM 5/8-18 (2 REQUIRED)
6	39028	Thrust Bearing
7	39029	Thrust Bearing Shims
8	12091	Ball Bearing
9	39032	Bushing
10	74126	Woodruff Key

**Note:** The motor cradle must be removed, rotated 180° and then reinstalled to provide the proper shaft slignment. The motor must then be rotated within the cradle to provide sufficient clearance between the dome and the motor capacitor.

General images shown for parts reference only.

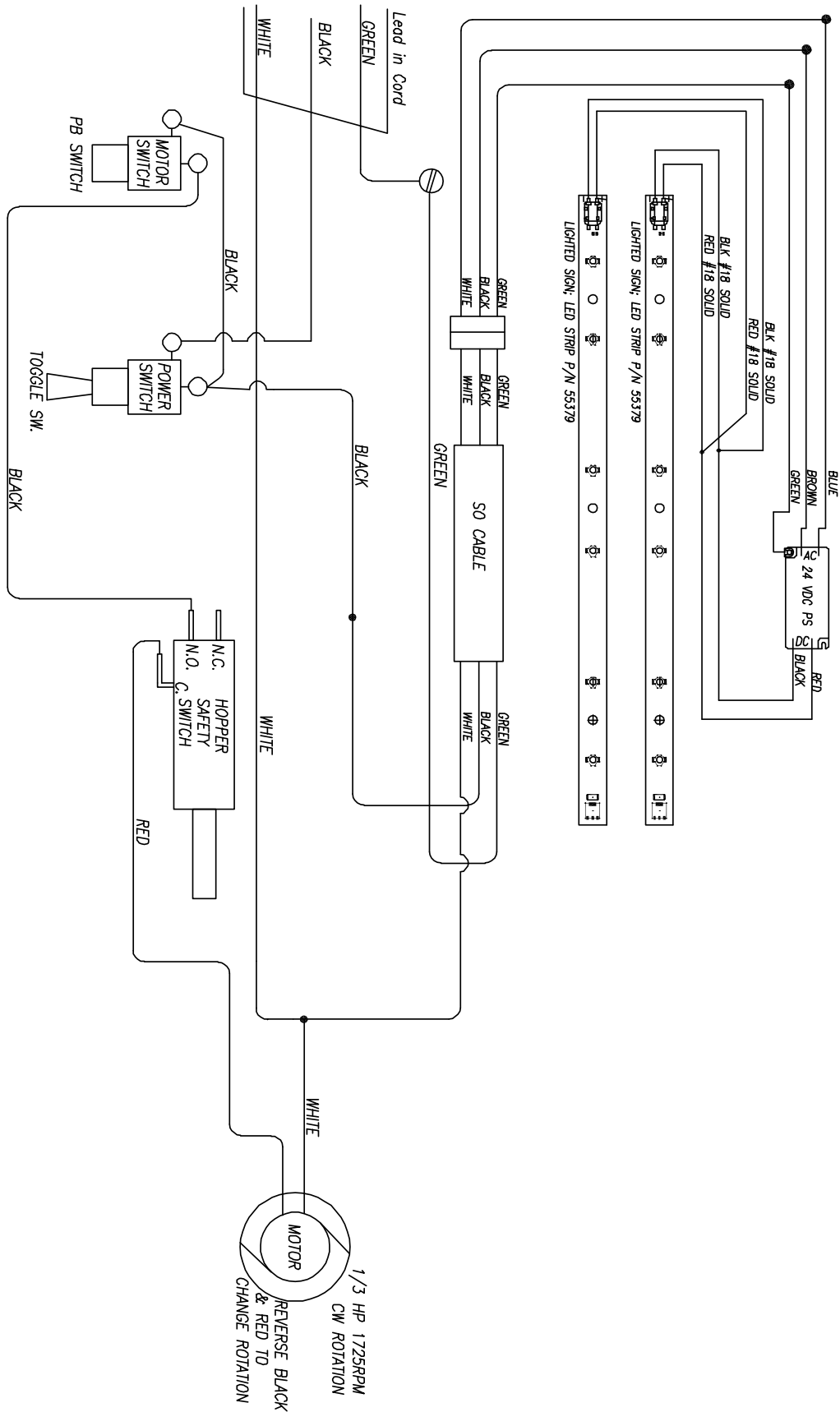


Item	Part No.	Description
1	<a href="#">39118</a>	Hopper and Bushing Assy.
2	<a href="#">55289</a>	Switch, Lever 15A 1/2 HP (Manufactured After 6-07)
	<a href="#">75036</a>	Switch, Lever 15A 1/2 HP (Manufactured Before 6-07)
3	<a href="#">55288</a>	Standoff, .75 IN. 4-40 (x2) (Manufactured After 6-07)
4	<a href="#">12186</a>	4-40 x 3/4" PH Pan 18-8 M/S (x2) (Manufactured After 6-07)



Item	Part No.	Description
4	<a href="#">39038</a>	Shaver Head Assy.
5	<a href="#">39037</a>	4-Hole Shaver Blade (x3)
6	<a href="#">47131</a>	8-32 x 3/8 Rd Slot M/S (x12)
7	<a href="#">12019</a>	Flat Washer (x12)
8	<a href="#">39018</a>	6 oz Cup Dispenser w/Bracket
9	<a href="#">1088</a>	Plastic Sno Dipper
10	<a href="#">39068</a>	Ice Scoop

# Electrical Schematic – 1020-00-100 & 1020-00-101





## WARRANTY

Gold Medal Products Co. warrants to the original purchaser each item of its manufacture to be free of defects in workmanship and material under normal use and service. Gold Medal Products Co.'s obligation under this warranty is limited solely to repairing or replacing parts, f.o.b. Cincinnati, Ohio, which in its judgment are defective in workmanship or material and which are returned, freight prepaid, to its Cincinnati, Ohio factory or other designated point. Except for "Perishable Parts" on specific machines, the above warranty applies for a period of two (2) years from the date of original sale to the original purchaser of equipment when recommended operating instructions and maintenance procedures have been followed. These are packed with the machine. Parts warranty is two (2) years, labor is six (6) months.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, AND OF ALL OTHER OBLIGATIONS OR LIABILITIES ON OUR PART, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. In no event shall Gold Medal Products Co. be liable for special, incidental or consequential damages. No claim under this warranty will be honored if the equipment covered has been misused, neglected, damaged in transit, or has been tampered with or changed in any way. No claim under this warranty shall be honored in the event that components in the unit at the time of the claim were not supplied or approved by Gold Medal Products Co. This warranty is effective only when electrical items have been properly attached to city utility lines only at proper voltages. This warranty is not transferable without the written consent of Gold Medal Products Co.

The term "Original Purchaser" as used in this warranty shall be deemed to mean that person, firm, association, or corporation who was billed by the GOLD MEDAL PRODUCTS CO., or their authorized distributor for the equipment.

THIS WARRANTY HAS NO EFFECT AND IS VOID UNLESS THE ORIGINAL PURCHASER FIRST CALLS GOLD MEDAL PRODUCTS CO. AT 1-800-543-0862 TO DISCUSS WITH OUR SERVICE REPRESENTATIVE THE EQUIPMENT PROBLEM, AND, IF NECESSARY, FOR INSTRUCTIONS CONCERNING THE REPAIR OR REPLACEMENT OF PARTS.

*NOTE: This equipment is manufactured and sold for commercial use only.*



**GOLD MEDAL<sup>®</sup> PRODUCTS CO.**

10700 Medallion Drive, Cincinnati, Ohio 45241-4807 USA

[gmpopcorn.com](http://gmpopcorn.com)

Phone: (800) 543-0862      Fax: (800) 542-1496  
 (513) 769-7676              (513) 769-8500