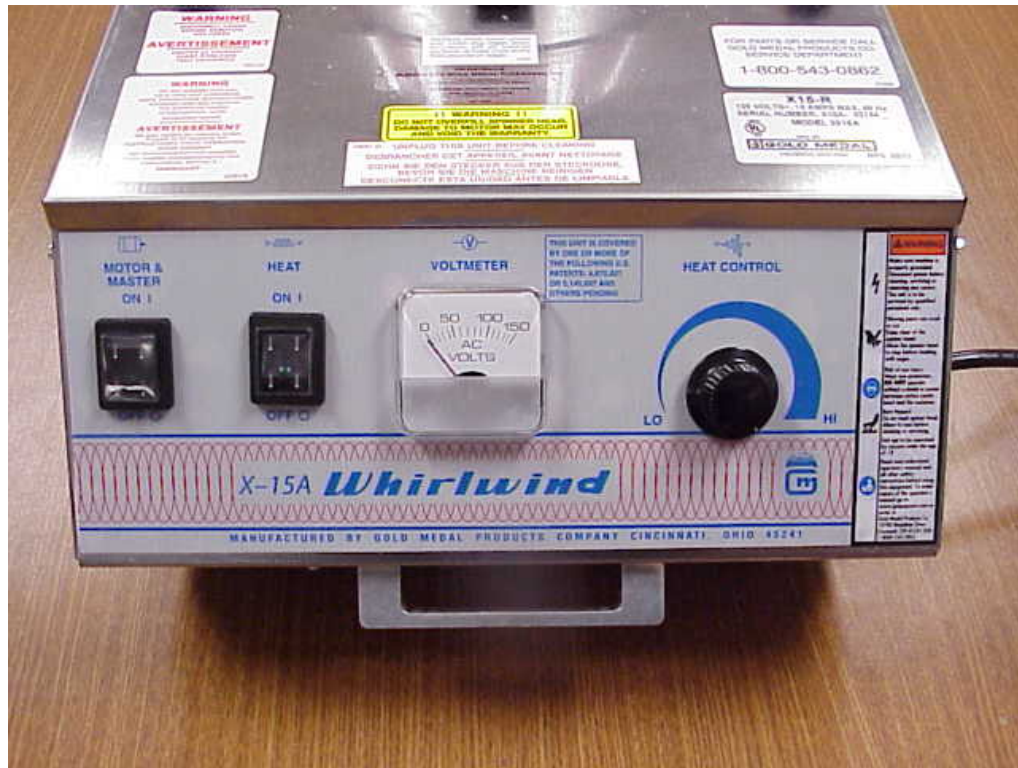


X-15 Floss Machine

Instruction Manual

3015A









 **GOLD MEDAL**®

FUNFOOD EQUIPMENT & SUPPLIES

Cincinnati, OH 45241-4807 USA

Safety Precautions

	<p style="text-align: center;">⚠ DANGER</p> <p>Machine MUST be properly grounded to prevent electrical shock to personnel. Do NOT immerse the equipment in water. Do NOT use excessive water for cleaning. Unplug your machine before cleaning or servicing.</p>
	<p style="text-align: center;">⚠ DANGER</p> <p>Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury, or death. Read the Installation, Operating, and Maintenance Instructions thoroughly before installing or servicing this equipment.</p>
	<p style="text-align: center;">⚠ WARNING</p> <p>Floss head rotates at 3450 RPM. Operator MUST keep hands and face clear of the floss head to avoid possible injury. Keep all spectators at a reasonable distance, and use a Floss Bubble for added customer protection.</p>
	<p style="text-align: center;">⚠ WARNING</p> <p>Keep all foreign objects out of floss head. To avoid possible eye injury, do not fill floss head with sugar while the head is on and rotating.</p>
	<p style="text-align: center;">⚠ CAUTION</p> <p>Do NOT allow direct contact with this equipment and the general public when used in food service locations. Only personnel that are trained and familiar with the equipment should operate the equipment. Carefully read all installation instructions before operation.</p>
	<p style="text-align: center;">⚠ CAUTION</p> <p>This machine is NOT to be operated by minors. Minors are classified as anyone under the age of 18.</p>

NOTE

Improvements are always being made to Gold Medal Products equipment. This information may not be the latest available for your purposes. It is critical that you call Gold Medal Products technical service department at 1-800-543-0862 for any questions about machine operations, replacement parts, or any service questions.

Installation Instructions

Inspection of Shipment:

Unpack all cartons and check thoroughly for any damage that may have occurred during transit. Damage claims should be filed immediately with the transportation company. Gold Medal Products is not responsible for damage that occurs in transit.

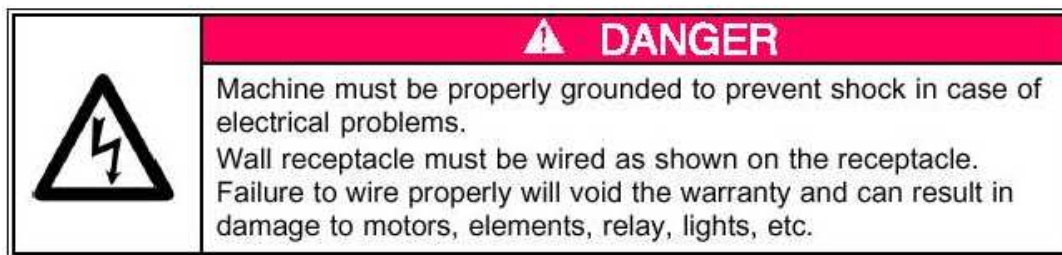
Setup:

Your new Warmer is completely assembled and tested at the factory. Remove all packing material and tape before starting operation.

Electrical Requirements:

The following power supply must be provided:

120 Volt, 60 Cycle, single phase



Your electrician must furnish sufficient power for proper machine operation. We recommend this warmer 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 Company'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.

Before You Plug In Machine:

1. Make sure the wall outlet can accept the grounded plugs (where applicable) on the power supply cord.
2. The wall outlet must have the proper polarity. If in doubt, have a competent electrician inspect the outlet and correct if necessary.
3. **DO NOT** use a grounded to un-grounded receptacle adapter.

4. Remove all padding and restraints.
5. Remove the four shipping brackets located around the motor mount casting. This will allow the motor mount casting to “float” freely on the springs.
6. Make sure the floss ribbon (heating element) located inside the head assembly has not shaken out of the band during transportation. If the ribbon is out of the band, push it back into place manually.

Operating Instructions – Controls and Their Functions

MOTOR AND MASTER SWITCH - Turns motor "on" or "off" and supplies current to the heat switch.

HEAT SWITCH – Turns on power to the heating element (ribbon) "on" or "off."

HEAT CONTROL – Adjust level of power to the heating element (ribbon).

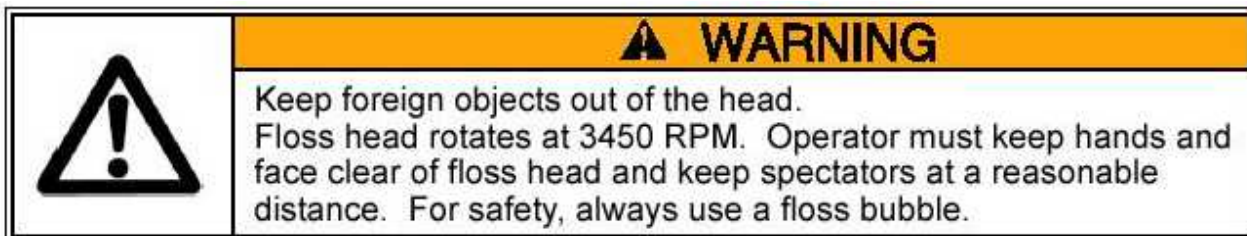
VOLT METER – Displays level of power to the heating element (ribbon).

SUGAR FOR YOUR COTTON CANDY

Our ready to use FLOSSUGAR is the preferred sugar for your new cotton candy machine, but and 100% pure Cane or Beet Sugar will do just fine. Our FLOSSUGAR gives you good rich colors, and great flavors, too. It is packed in handy half-gallon sealed cartons, with E-Z pour spout for filling your machine. FLOSSUGAR comes in 8 flavors, and you can easily change colors for greatest variety, and best sales.

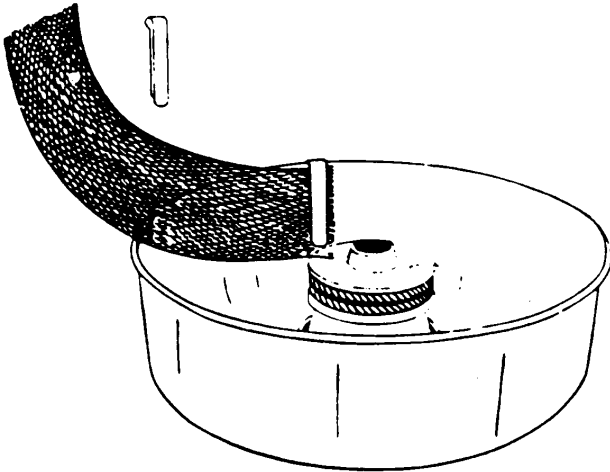
If you want to “Mix Your Own”—use our FLOSSINE, and please follow our directions. If you want a deeper color, slightly dampen the mixed sugar—use a tablespoon of water per five pounds of sugar—sprinkle water over sugar, and mix well. DO NOT USE EXCESS COLOR—too much color will mess up the ribbons on your machine, and could impart a bitter taste to the candy. There is a limit as to how dark you can make cotton candy—that’ s because it is 98% air and we cannot color the air.

Today 99% of the sugar manufactured is “Extra Fine Granulated” which does have some small particles which can slip through the ribbons without being melted. If this becomes objectionable, you can seek out Medium Coarse, or sanding sugars. The larger crystal size will require a little more heat to melt. Read the label on the bag of sugar—today we see some “Free Flowing” sugar for restaurants, and it contains cornstarch, which will burn onto your ribbons, clogging them rapidly. We have also seen some cheap off-brand “sugar” which is a blend of sugar and dextrose or corn syrup. This product makes very poor cotton candy. Please make sure you get good sugar for your cotton candy machine.

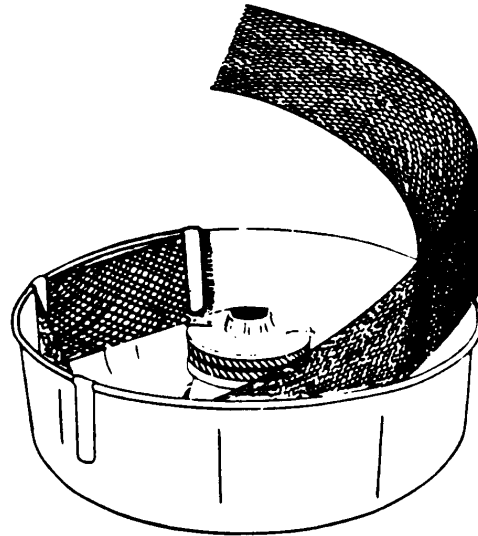


INSTALLATION OF FLOSS STABILIZER

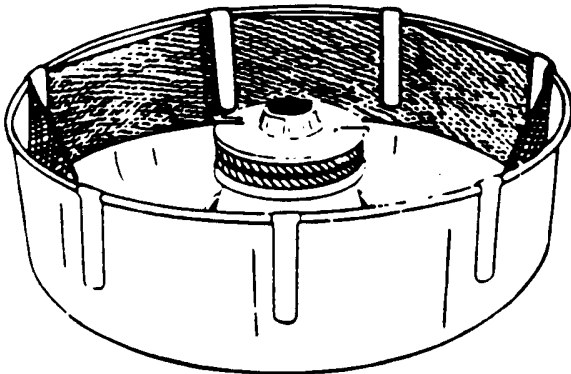
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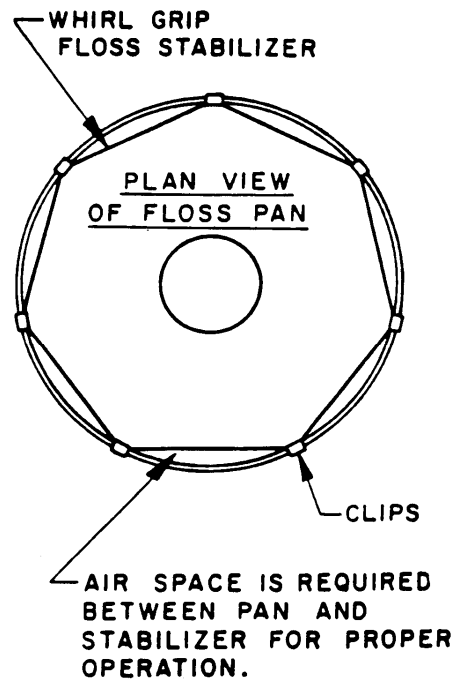
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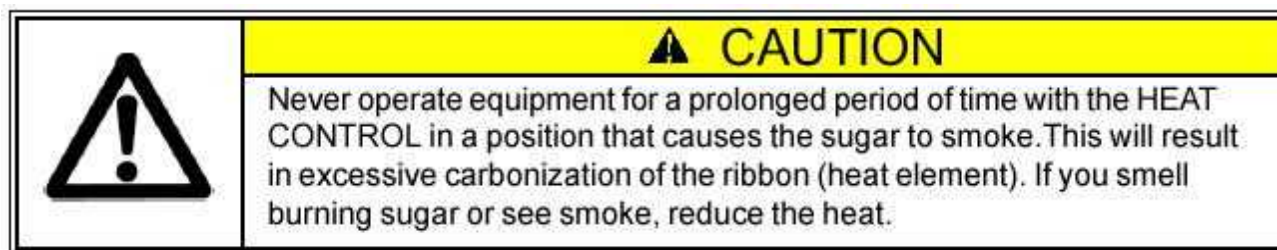


Making Cotton Candy

1. Follow the guidelines described on page 3 for supplying power to machine.
2. With main switch still OFF, fill floss head. Always fill it 90% full with sugar. This 90% level is necessary to obtain a balanced condition in the floss head. **DO NOT OVERFILL!** Excessive vibration will occur if overfilled. Before turning the power on, manually turn the head to balance out the sugar. This will eliminate excessive vibration of the head.

Important: NEVER add sugar when motor is running.

3. Turn MAIN SWITCH and HEAT SWITCH "ON." Turn Heat switch "Full On" then when candy production starts reduce heat.
4. Make a note of what voltage makes the best cotton candy for future reference.



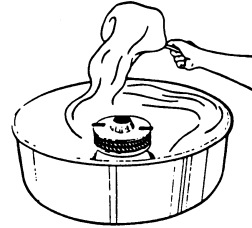
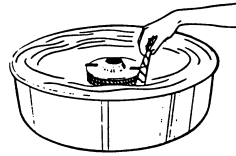
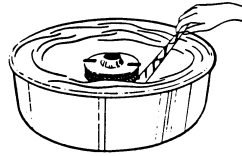
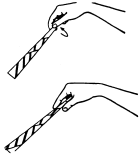
Pick a cone; if it sticks in the stack of cones, twist it off the stack.

Hold an inch or two of the pointed end of the cone between two fingers and a thumb. With a light flicking action, roll cone in the web of floss building up in the pan. Lift the cone up with the ring of floss attached and rotate the cone to wrap the floss. **DO NOT** roll floss while the cone is inside the pan. This will pack the floss too tightly.

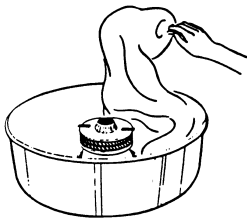
If the floss fails to stick to the cone, pass the cone near the spinner head to pick up a "starter" of melted sugar. Lift the cone out of the pan and wrap the floss with a "figure eight" movement of the hand. This leaves giant pockets and makes the final product appear larger. Make sure room humidity is not too high, or product will be "heavy".

Making Cotton Candy (con't)

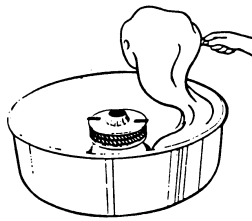
1. Grip cone as shown.
2. Break into web of floss with the cone.
3. Wind the sugar onto the cone.
4. Lift web of floss from the pan and roll onto the cone.



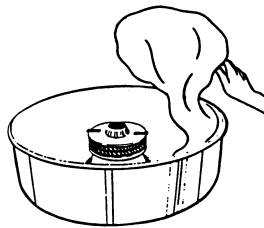
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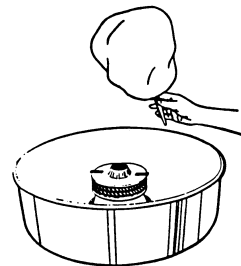
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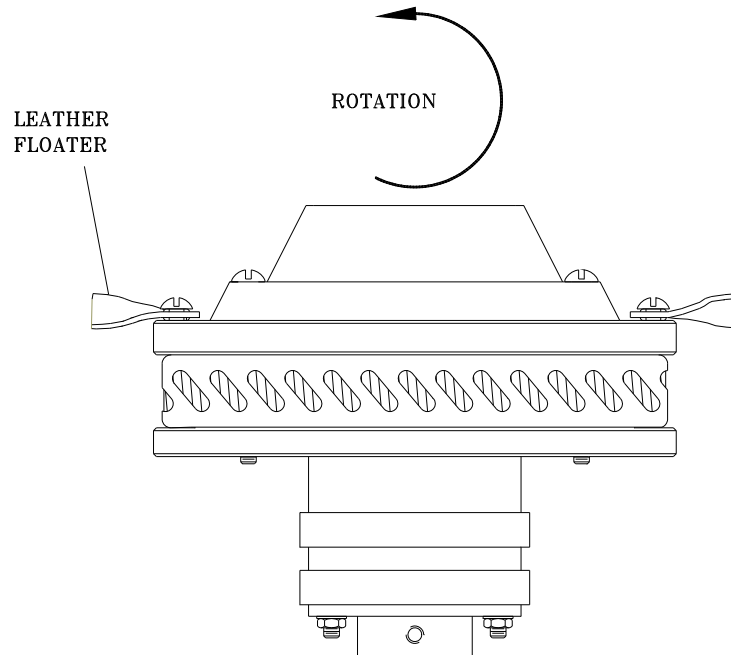


- DO NOT PUT HANDS OR OBJECTS IN ROTATING SPINNER HEAD.
- DO NOT FILL SPINNER HEAD WITH SUGAR WHILE IT IS ROTATING.
- WEAR EYE PROTECTION
- DO NOT PUT HANDS NEAR ROTATING SPINNER HEAD,
- USE FLOSS CONE TO COLLECT COTTON CANDY.

FLOATER ADJUSTMENT

In operation, the floss will collect on the FLOSS STABILIZER. If the floss collects “low” on the stabilizer, twist the front (leading) edge of the leather floaters down. You get more lift and the floss will collect higher.

Form leather floaters as shown. This creates a lifting action to float the floss higher on the outside wall of the floss pan.



SHUT DOWN PROCEDURE

When completing operation for the day (or any prolonged period), run all the sugar out of the floss head. Turn the Heat Switch off and continue to run the machine for 1 minute to cool the floss head. Then turn off the main Switch. NEVER put water into the floss head to try and clean the machine while it is plugged into the wall socket and still mounted on the machine.

FLOSS BANDS AND RIBBONS

The GOLD MEDAL Floss machine is equipped with a patent pending FLOSS BAND designed to give long life, trouble-free service with little care. DO NOT scratch the band. To clean, unplug the machine and wipe with a damp cloth.

GOLD MEDAL Floss Ribbons (heat elements) are made of nickel wire with insulation at the terminal point and on the lead wires. They are designed to be as reliable as the GOLD MEDAL Floss Bands: however, the ribbons must be handled carefully. DO NOT stretch the ribbon or it will not function properly.

Disassembly and Removal

1. Remove all sugar from the head of the machine before disassembling. If the unit is inoperative, carefully turn the machine on its side and shake the sugar out.
2. Remove the four spinner cap retainer screws and spinner cap. In some cases, the sugar has caused the cap and band to stick together. Applying gentle pressure with the heel of the hand should free the parts for removal.
3. Remove the element lead wire retaining screws with a ¼" (9.5mm) nut driver and remove the element lead wires from the terminals in the floss head. This will allow the band and ribbons to be removed.
4. Remove the band and ribbons. If there is excessive sugar buildup, soak the band and ribbons in hot water until the sugar dissolves. When the sugar has been removed, tap the band in the palm of your hand to loosen the ribbons for removal.
5. Inspect, then clean or replace band and ribbons. The primary reason for ribbon replacement is carbon build up inside the ribbon wire from which the heating element is manufactured. If the ribbon is being cleaned only, an additional hot water soak may help remove some of the carbon buildup.

TROUBLESHOOTING

LOW PRODUCTION

1. Check for excessive carbon on the ribbons. Follow the instructions for removing and cleaning band and ribbon if needed.
2. Check the line voltage. A primary reason for low production and poor equipment performance is low line voltage. You must have at least 115 VAC at the plug machine to work properly. Have an electrician check the line voltage and add new lines for all of the various equipment you have plugged into the electric circuit if there is not enough current for the requirement listed on the equipment nameplate.
3. Foreign objects in the head assembly may short out a ribbon or cause an out-of-balance condition.

EXCESSIVE SMOKE

1. Check the product mixture being used. For best results, use nothing with a cornstarch base.
2. Check the band and ribbon for excessive sugar build up and remove if needed as described on page 9 of this manual.

EXCESSIVE VIBRATION




If the equipment is new, verify that shipping bolts have been loosened and packing materials were removed from the machine.

When adding sugar to the floss head, always fill it 90% full to obtain a balanced condition in the head and eliminate vibration. **DO NOT** add sugar with motor running!

Check for stretched or uneven suspension springs.

Run the sugar completely out, then check for foreign objects or sugar lumps in the head assembly.

MAINTENANCE INSTRUCTIONS

	<p style="text-align: center;">⚠ DANGER</p> <p>Do NOT immerse the equipment in water. Unplug your machine before servicing.</p>
	<p style="text-align: center;">⚠ WARNING</p> <p>Adequate eye protection must be used when servicing this equipment to prevent the possibility of injury.</p>
	<p style="text-align: center;">⚠ CAUTION</p> <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>

ORDERING SPARE PARTS

*** Always speak to a Gold Medal Products Technical Service Advisor before ordering any parts to help ensure accuracy for your product. Included diagrams may not be the latest information.**

1. Identify the needed part by checking it against the photos, illustrations, and/or parts list.
2. When ordering, please include part number, part name, and quantity needed.
3. Please include your model name, serial number, and date of manufacture (located on the machine nameplate) with your order.
4. 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:

(800) 543-0862

(513) 769-7676

Fax: (513) 769-8500

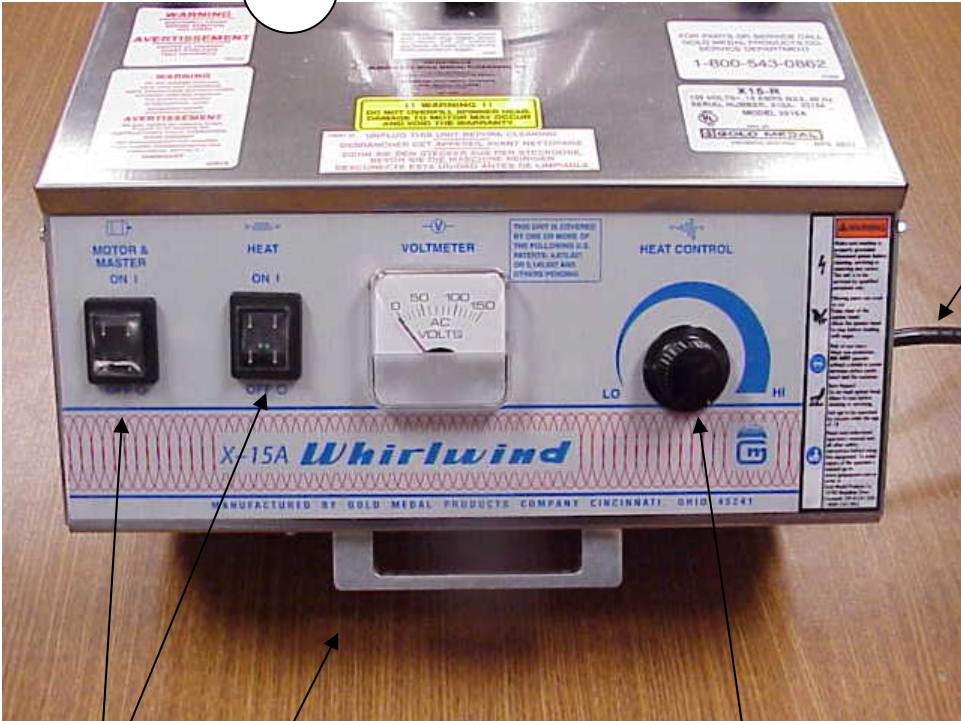
E-mail: info@gmpopcorn.com

Web Page: www.gmpopcorn.com

PARTS LIST CABINET ASSEMBLY

1	47155	Rubber Feet 3/4" High	8	Feet and Bowl Support
2	87085	Power Supply Cord	1	
3	67069	Handle	2	
4	20006	Suspension Spring	4	Not Shown
5	55219	Relay	1	
6	48018	Cooling Fan	1	
7	48019	Shipping Brackets *	4	Install when transporting
8	42798	Switch, On/Off	2	
8	48786	Switch Cover	2	
9	48675	Phase Control (heat control)	1	
11	48730	Voltage Control PCB	1	
12	48673	Heat Sink	1	
13	48669	Motor 120 Volt	1	
14	42320	Brush Holder Assembly	1	not shown
15	42008NM	Brush Inspection Cover	2	
16	20034	Carbon Brush	4	not shown
17	48674	Potentiometer	1	
18	40793	Knob for Potentiometer	1	
19	47199	Cooling fan power cord	1	not shown
	42040	Floss Aluminum Pan		
	3010	Whirl Grip Stabilizer		
	43030	Clip, Whirl Grip		

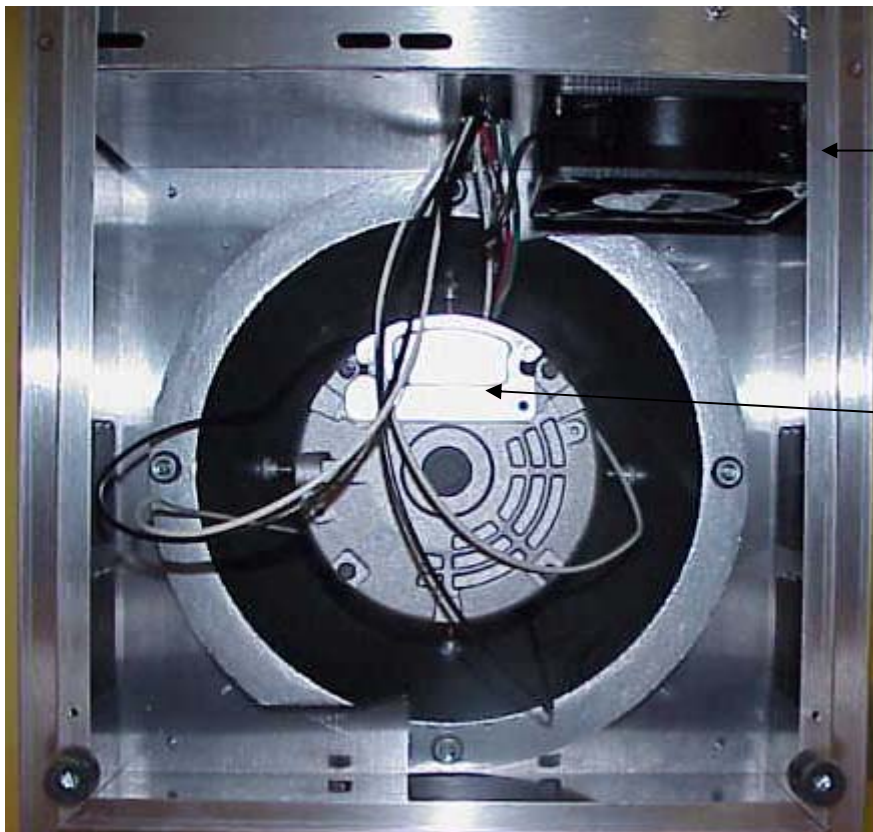
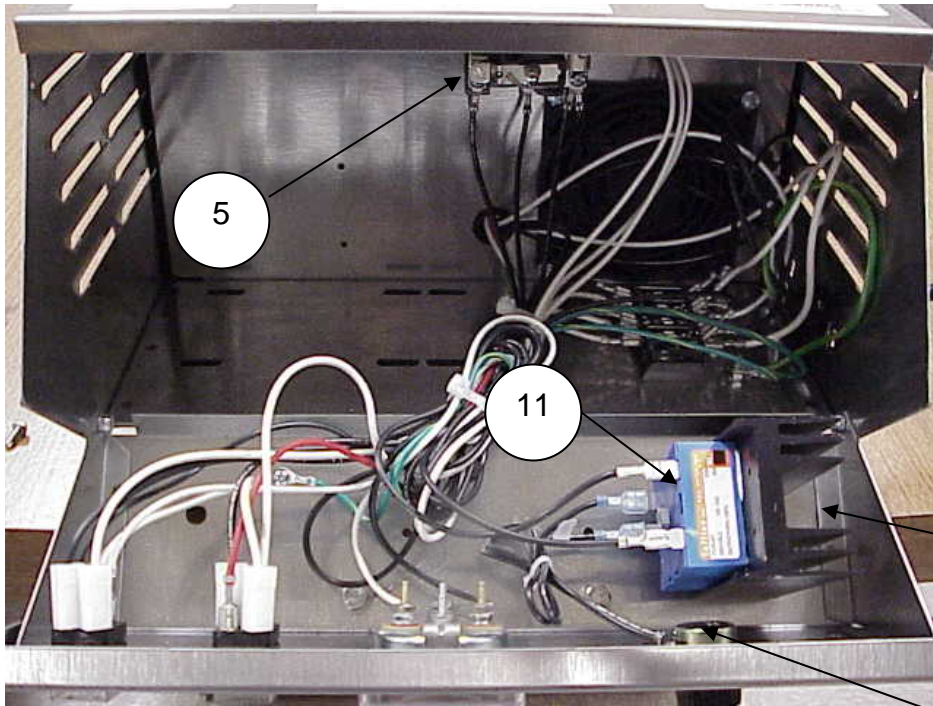
FLOSS MACHINE ASSEMBLY



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3

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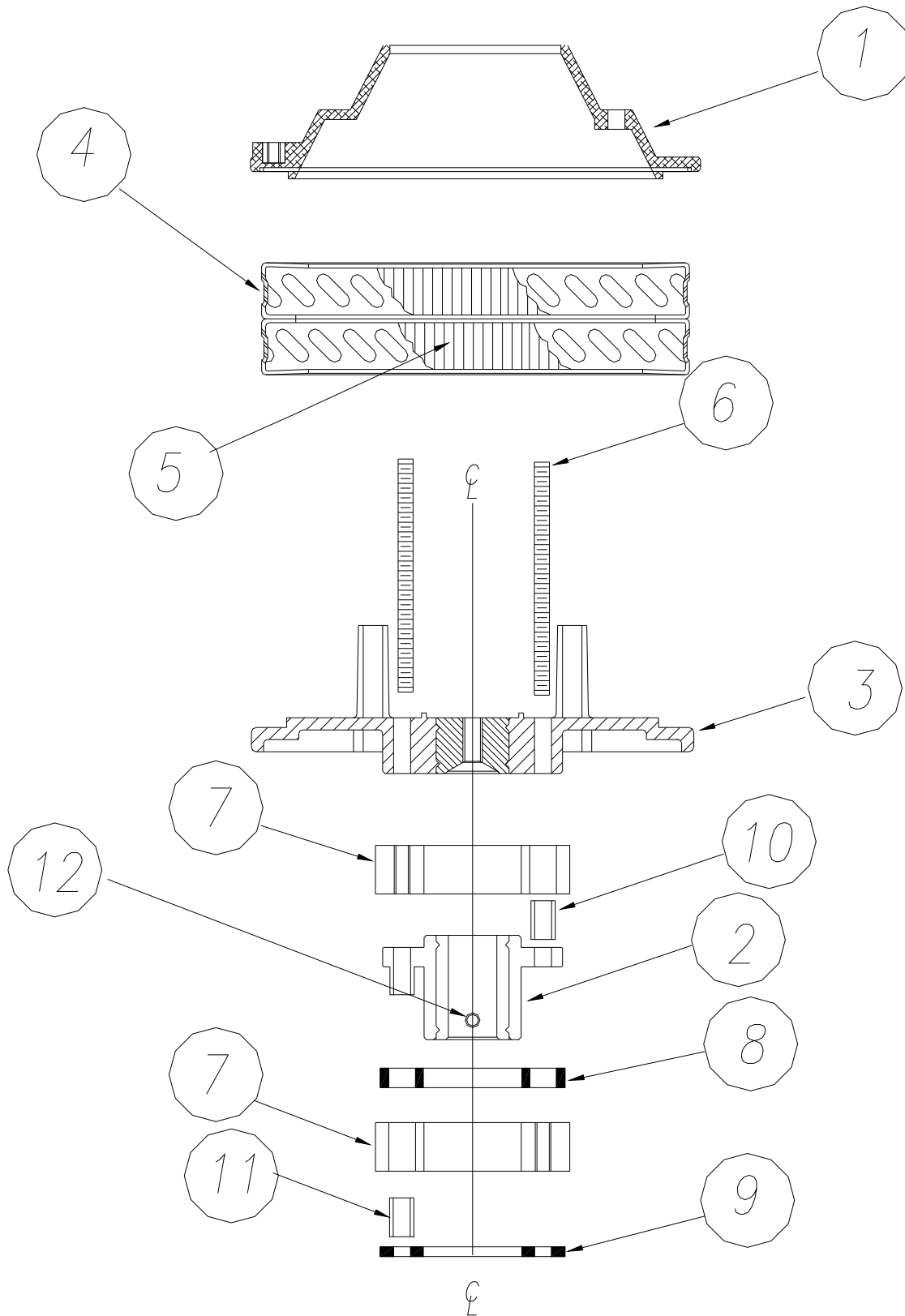
HEAD ASSEMBLY

Item No.	Part No.	Quantity	Description
1	43166	1	Spinner Cap, High Capacity
2	42438	1	Lower Spinner Head
3	48671	1	Upper Spinner Head
4	42517	1	Floss Band, 5" Double (1)
5	48755	2	5" Ribbon Assembly (2)
6	42032	2	3 1/2" Head Stud
7	20020	2	Slip Ring
8	42025	1	Top Washer, Phenolic
9	20054	1	Bottom Washer, Phenolic
10	42030	1	Stud Insulator, 5/8"
11	42154	2	Stud Insulator, 1/2"
12	74125	1	Set Screw 1/4-20

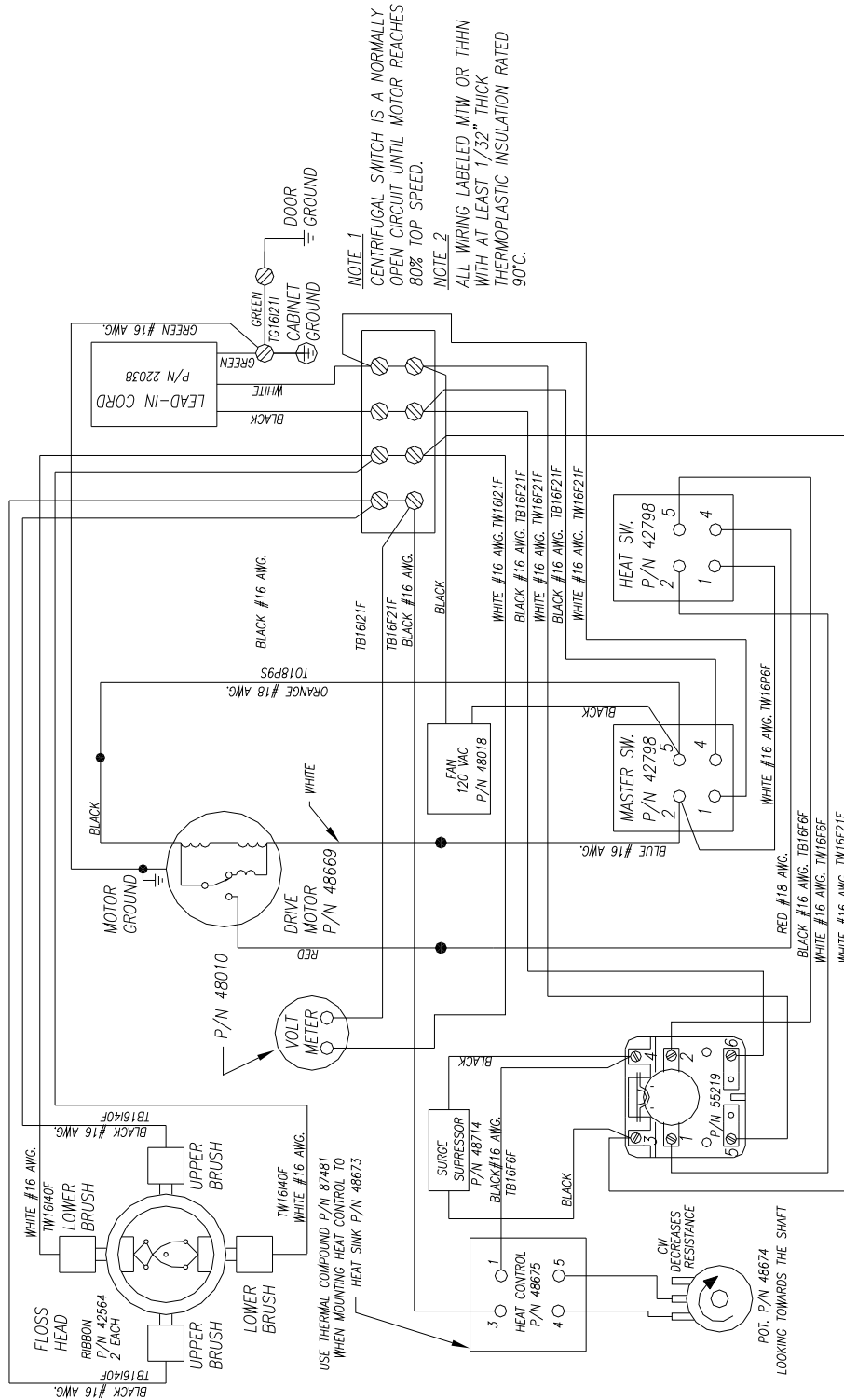
Components Not Shown On Drawing

42305	Terminal Assembly
42162	Terminal Guard, Phenolic
74143	Hex Nut #10-32
42215	Washer #10 External Tooth
20010	Leather Floater
48401	Acorn Nut 1/4-20 Nylon
46513	Set Screw, 1/4-20
42199	10-24 x 2 3/4" Cap Screws (4)
42045	8-32 x 1/4" Screw (Attaches Ribbon Wires)

3015A FLOSS HEAD ASSEMBLY



ELECTRICAL SCHEMATIC



WARRANTY

WE WARRANT to the original purchaser the Gold Medal equipment sold by us to be free from defects in material or workmanship under normal use and service. Our obligation under this warranty shall be limited to the repair or replacement of any defective part for a period of six (6) months from the date of sale to the Original Purchaser with regard to labor and two (2) years with regard to parts and does not cover damage to the equipment caused by accident, alteration, improper use, voltage, abuse, or failure to follow instructions.

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. We neither assume, nor authorize any other person to assume for us, any other obligation or liability in connection with the sale of said GOLD MEDAL equipment or any part thereof.

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 COMPANY, or their authorized distributor for the equipment.

THIS WARRANTY HAS NO EFFECT AND IS VOID UNLESS THE ORIGINAL PURCHASER FIRST CALLS GOLD MEDAL PRODUCTS COMPANY 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.



GOLD MEDAL PRODUCTS COMPANY

10700 Medallion Drive

Cincinnati, Ohio 45241-4807 USA

www.gmpopcorn.com

Phone: 1-800-543-0862

Fax: 1-800-542-1496

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