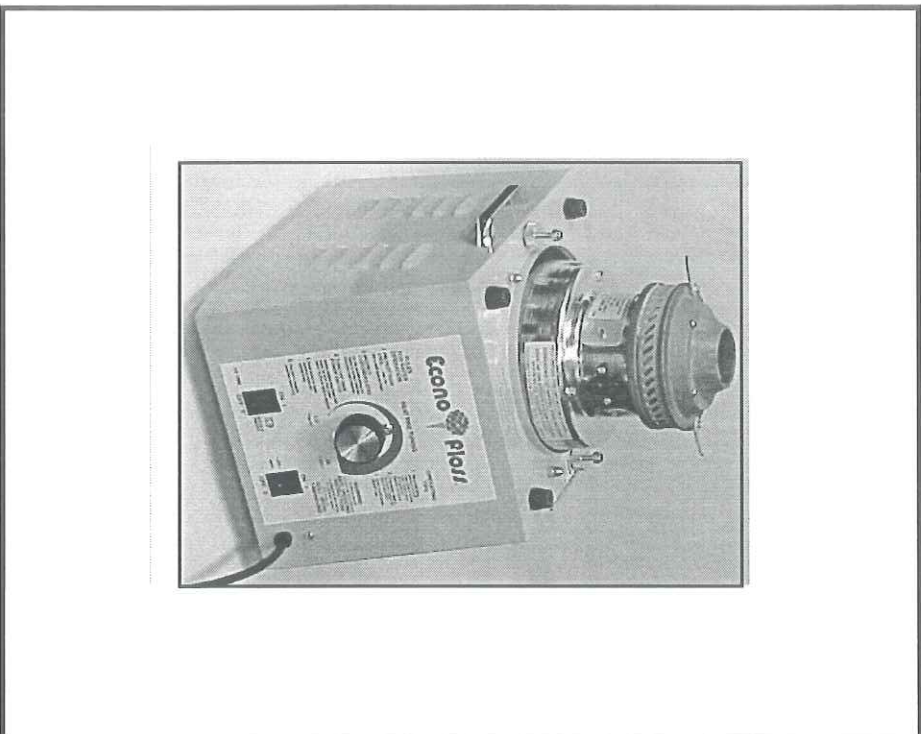


Floss Machine

Instruction Manual

Model #3017, 3017SS AND 3077

Part 7



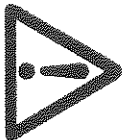
GOLD MEDAL[®]

FUNFOOD EQUIPMENT & SUPPLIES

Cincinnati, OH 45241-4807 USA

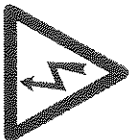
e-mail: goldme19@eos.net • www.gmpopcorn.com

SAFETY PRECAUTIONS



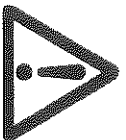
▲ CAUTION

This equipment is designed and sold for commercial use only. This equipment is not normally to be used by the consumer in home use until the persons operating the machine have been properly trained in its use. 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 installation instructions before operating the equipment.



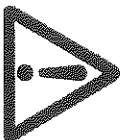
▲ DANGER

Machine must be properly grounded to prevent electrical shock to personnel. Do NOT immerse the equipment in water nor pour water into the spinner cap opening. ALWAYS unplug the equipment before cleaning or servicing.



▲ WARNING

Floss head rotates at 3450 RPM. Operator must keep hands and face clear of the floss head and keep spectators and customers at a reasonable distance.



▲ WARNING

Any alterations to this equipment will void the warranty and may cause a dangerous situation. NEVER make alterations to the equipment.



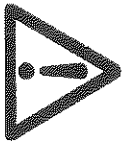
▲ WARNING

Always wear safety glasses when operating or servicing this equipment.

NOTE

The information, specifications and illustrations contained in this manual represent the latest data available at time of publication. Right is reserved to make changes as required at the discretion of Gold Medal Products Company without notice.

MAINTENANCE INSTRUCTIONS



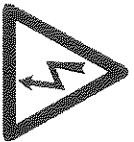
⚠ CAUTION

THE FOLLOWING SECTIONS OF THIS MANUAL ARE INTENDED ONLY FOR QUALIFIED FOOD EQUIPMENT SERVICE PERSONNEL WHO ARE FAMILIAR WITH ELECTRICAL EQUIPMENT. THESE ARE NOT INTENDED FOR THE OPERATOR.



⚠ WARNING

Adequate eye protection must be used when servicing this equipment to prevent the possibility of injury.



⚠ DANGER

Do NOT immerse the equipment in water.
Unplug your machine before servicing.

INTRODUCTION

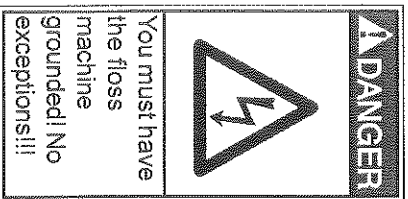
Your Floss Machine warranty is described on the back page of this manual. This does NOT cover the ribbons, bands or motor bearings since they can be damaged by the operator.

After unpacking, check thoroughly for any damage which may have occurred in transit. Claims should be filed immediately with the transportation company. The warranty also 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.

ELECTRICAL REQUIREMENTS

The GOLD MEDAL Floss machine requires a 15 amp, 120 volt, 60 cycle standard wall receptacle.

The power supply cord is equipped with a machine ground (the tubular prong on the male plug). For safety, always plug the machine into a grounded receptacle, which has been tested for proper polarity to insure electrical safety.



Before Plugging in the Machine

Remove all padding and restraints.

Lower the shipping bracket so the bell housing "floats" freely on the springs. Unscrew and push down the two knobs on each side of the cabinet top to lower the shipping bracket completely.

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.

Controls and Functions

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

HEAT SWITCH - Turns current to the heating element (ribbon) "on" or "off."

HEAT CONTROL - Increases or decreases voltage to ribbon wire heating element using a graduated dial.

OPERATING INSTRUCTIONS

The easiest way to make sure you have the right texture sugar with proper flavor and colors is to use GOLD MEDAL FLOSSUGAR. FLOSSUGAR gives good, rich colors and flavors, and does not exceed the color limitations imposed by the Food and Drug Administration. FLOSSUGAR comes in sealed, plastic-coated cartons with handy pouring spouts for filling. If you use your own flavors in cotton candy, make sure they are not gum or starch based; these items burn on the ribbons.

WARNING

Keep foreign objects out of the head.
Floss head rotates at 3450 RPM. Operator must keep hands and face clear of floss head and keep spectators at a reasonable distance. For safety, always use a floss bubble.

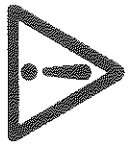
Heat Control Setting Test

1. Follow the guidelines described on page 1 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."
4. Turn heat control knob clockwise to maximum setting to initiate the fastest possible warm up.
5. The machine should start making floss in a few seconds. When the unit starts making floss, you must reduce the heat setting. Turn the heat control knob counter clockwise to eliminate smoking. If you operate the unit at "start up" setting, you will "carbonize" the ribbon.

CAUTION

Never operate equipment for a prolonged period of time with the HEAT CONTROL in a position that causes the sugar to smoke. This will result in excessive carbonization of the ribbon (heat element). If you smell burning sugar or see smoke, reduce the heat.

6. Once you find the ideal setting for the HEAT CONTROL, operate with the setting near this position each time.

	<p>CAUTION</p> <p>Keep hands away from spinning head!</p>
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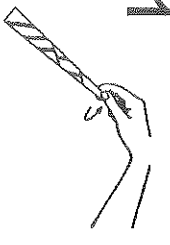
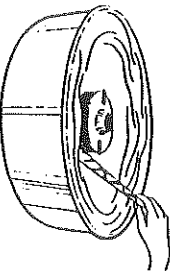
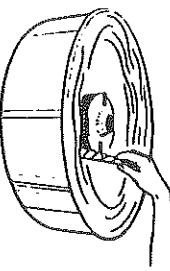
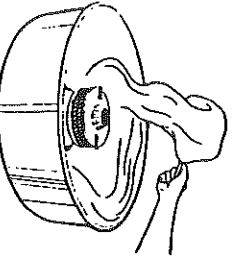
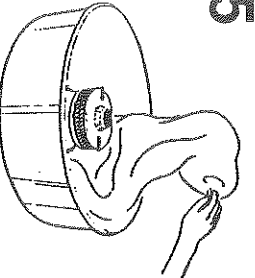
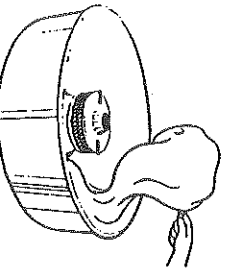
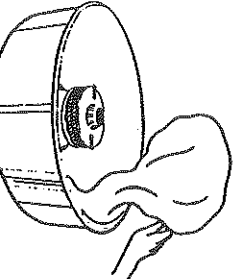
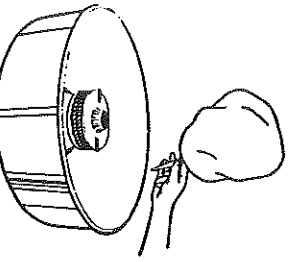
MAKING FLOSS

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".

<p>1</p> 	<p>2</p> 	<p>3</p> 	<p>4</p> 
<p>5</p>  <p>Grip cone as shown.</p>	<p>6</p>  <p>Break into web of floss with the cone.</p>	<p>7</p>  <p>Wind the sugar onto the cone</p>	<p>8</p>  <p>Lift web of floss from the pan and roll onto the cone.</p>

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 ceramic 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. Also, the ceramic insulator on the lead wires will break if the wires are bent sharply. Bend gradually when installing ribbons.

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 $\frac{1}{4}$ " (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 heat control for correct setting.
3. Check the line voltage. A primary reason for low production and poor equipment performance is low line voltage. 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.
4. Check the ribbons. For machines with two ribbons, one burned out or shorted ribbon will cut production in half.
5. Foreign objects in the head assembly may short out a ribbon or cause an out-of-balance condition.

EXCESSIVE SMOKE

1. Check heat control setting. After warm up, equipment should make good floss at a reduced setting. Never let the machine operate with the heat so high it produces smoke or if you can smell burned sugar. This condition quickly fills the ribbon with carbonized sugar.
2. Check the product mixture being used. For best results, use nothing with a cornstarch base.
3. Check the band and ribbon for excessive sugar build up and remove if needed as described on page 7 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.

ORDERING SPARE PARTS

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

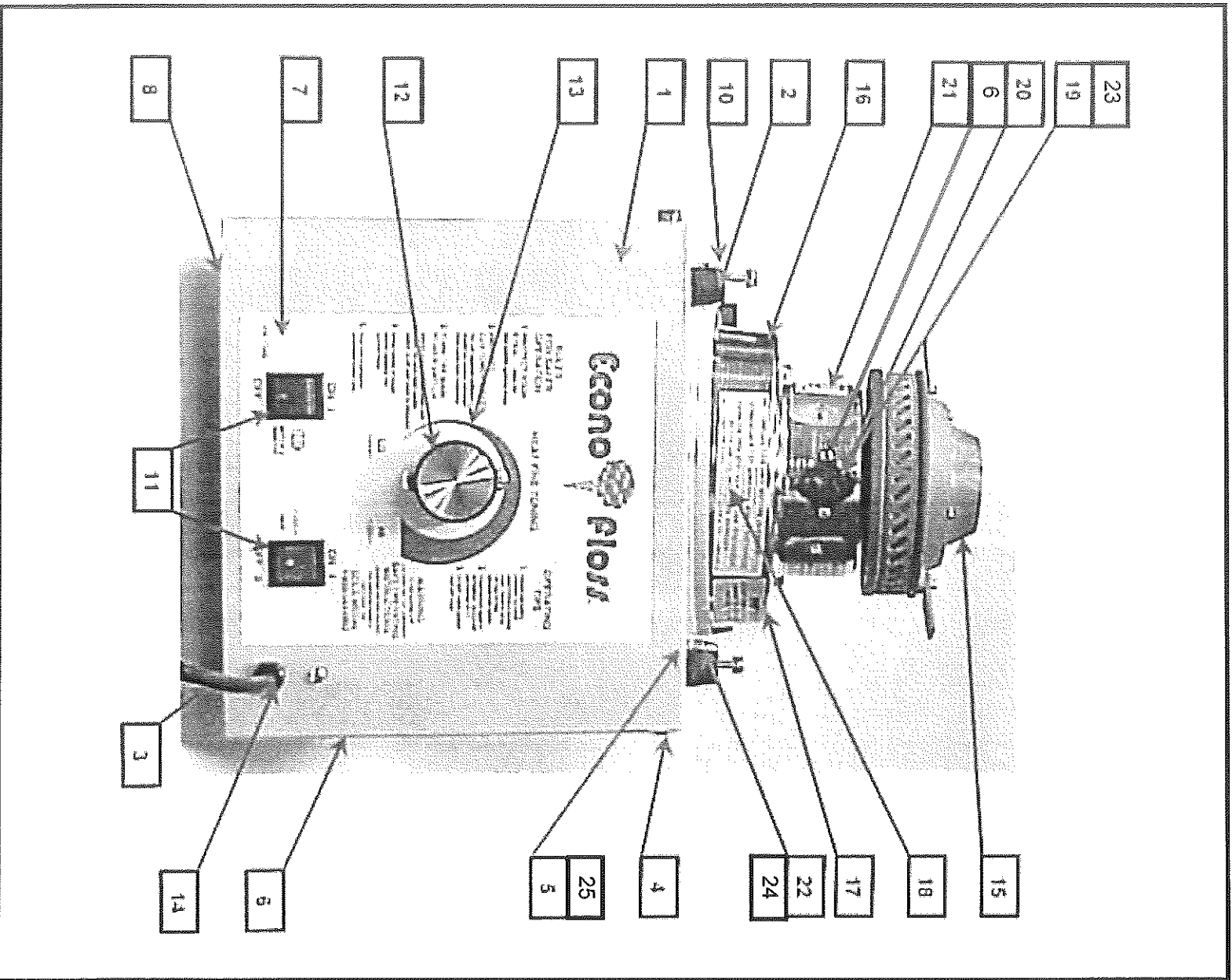
Parts Department
Gold Medal Products Co.
10700 Medallion Drive
Cincinnati, Ohio 45241-4807

or, place orders at:

(513) 769-7676
Fax: (513) 769-8500
E-mail: goldme19@eos.net
or Web Page
www.gmpopcorn.com

*See our complete catalog for
more Gold Medal Funfood
Equipment and Supplies*

FLOSS MACHINE ASSEMBLY

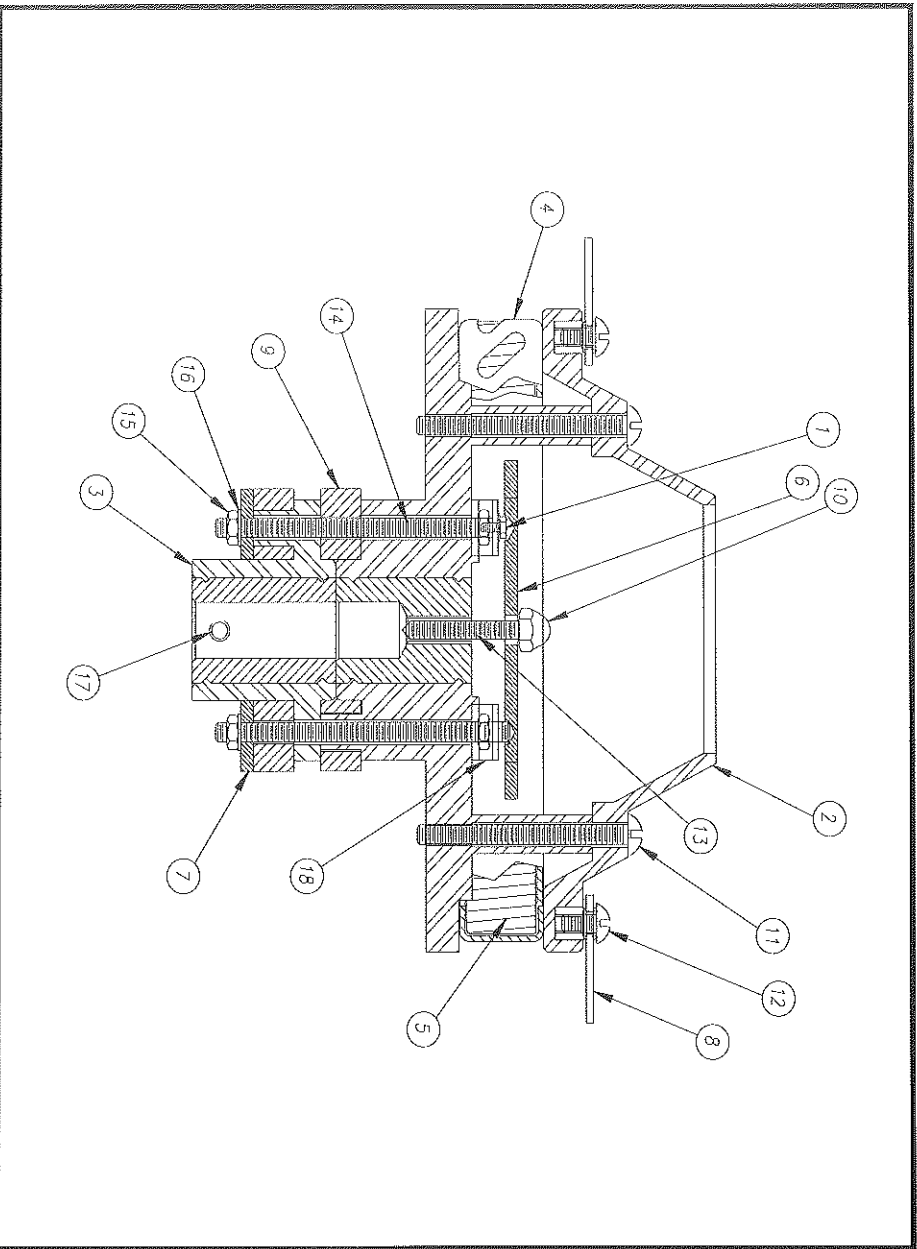


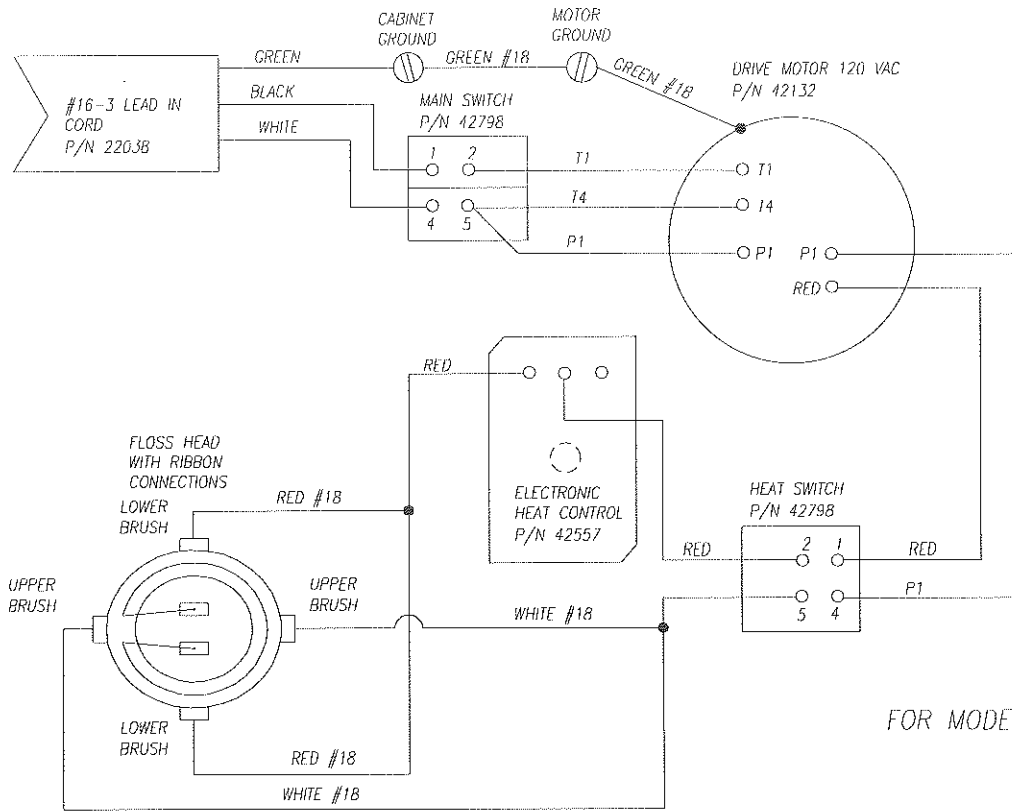
PARTS LIST – FLOSS MACHINE CABINET ASSEMBLY

Item No.	Model #3017 Part No.	Model #3017SS Part No	Model #3077 Part No.	Description
1	42450	42449	42449	Cabinet Welded Assembly
2	47155	47155	47155	Molded Recessed Bumper
3	22038	22038	22038	Power Supply Cord
4	41098	41098	41098	Handle
5	42120	42120	42120	Suspension Spring
6				#6-32 x 5/8 Ph Pan Hd Screw
7	12600	12600	12608	Nameplate
8	42448	42448	42448	Bottom Plate
10	42150	42150	42150	Knob, Shipping Saddle
	42157	42157	42157	Shipping Saddle
11	42798	42798	42798	Switch, On/Off
12	48027	48027		Knob, Rheostat
13	42160	42160		Rheostat
	42557	42557	42558	Electronic Heat Control
	42556	42556	42556	Knob, Electronic Heat Control
14	76026	76026	76026	Strain Relief
15	42439	42439	42561	Spinner Head Complete
16	42190	42190	42190	Bell Housing
17	42119	42119	42119	Motor Mounting Plate
	42125	42125	42125	Tinnerman Nut
18	75328	75328	75328	Plastic Bushing, 5/16" (7.9mm) I.D.
	42132	42132	42132	Motor 120 Volt
19	42436	42436	42436	Brush Holder Assembly
20	42138	42138	42138	Brush Holder Cap
21	42381	42381	42381	Inspection Cover
22	49068	49068	49068	Acorn Nut 1/4-20
23	42140	42140	42140	Carbon Brush
24	74148	74148	74148	#10-32 x 1/2" Hx Hd Screw
25	42220	42220	42220	Tinnerman Nut

PARTS LIST - FLOSS MACHINE HEAD ASSEMBLY

Item No.	Part No.	Model	Description
		Model #3017	
		Model #3017SS	
		Model #3077	
1	42439	42561	Spinner Head Complete
2	42045	42045	8-32 x 1/4-HX HD Whizlock
3	43166	43166	Spinner Cap, High Capacity
4	42440	42440	Spinner Head Bottom Only
5	43165	42517	5 1/2" Floss Band
6	20005	42565	5" Ribbon, 120V
7	42162	42162	Terminal Guard, Phenolic
8	20054	20054	Bottom Washer, Phenolic
9	20010	20010	Leather Floater
10	42126	42126	Slip Ring 3/8" Wide
11	48041	48041	Acorn Nut, Nylon
12	42041	42041	Screw, #10-24 x 2"
13	42192	42192	Screw, #8-32 x 5/8" PH PAN
14	42311	42311	Set Screw, 1/4-20 x 2"
15	42127	42127	Slip Ring Stud
16	74143	74143	Hex Nut, #10-32
17	42215	42215	#10 External Tooth Washer
18	74125	74125	Set Screw, 1/4-20 X 3/8"
	42305	42305	Terminal Assembly





NOTE:
 ALL WIRE MUST BE AT LEAST #18 AWG
 LABELED AND CERTIFIED APPLIANCE
 MATERIAL WITH AT LEAST 1/32"
 THERMOPLASTIC INSULATION RATED 90° C
 OR 105° C OR LISTED APPLIANCE
 MATERIAL WITH AT LEAST 1/32" THICK
 SILICON RUBBER WITH FIBERGLASS BRAID
 RATED 105° C.

FOR MODELS: 3016, 3017, 3017SS AND 3077

ELECTRICAL SCHEMATIC

WARRANTY

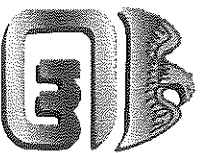
WE WARRANT to the original purchaser the Gold Medal equipment sold by us to be free from defects in material or workmanship under normal use and service. Our obligation under this warranty shall be limited to the repair or replacement of any defective part for a period of six (6) months from the date 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 1-800-428-2676 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 PRODUCTS COMPANY
10700 Medallion Drive
Cincinnati, OH 45241-4807 USA