

3002

Accu-Floss







Instruction Manual



 **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

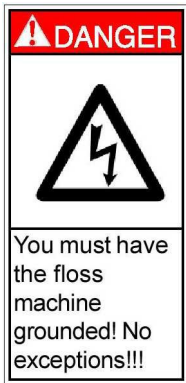
The information, specifications and illustrations contained in this manual represent the latest data available at time of publication. Right is reserved to make changes as required at the discretion of Gold Medal Products Company without notice.

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 3002 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.

Remove the four shipping brackets located around the motor mount casting. This will allow the motor mount casting to “float” freely on the springs.

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 on power to the heating element (ribbon) "on" or "off." This machine requires no heat control adjustment. The Accu-Floss energy management system will automatically adjust power to the heat element. This system will compensate for low voltage at the wall plug and/or the use of an extension cord with the machine. The digital readout should be in the range of 95 to 100 volts. If the voltage value is less than 95 volts the input voltage to the machine is too low and the machine will not run well.

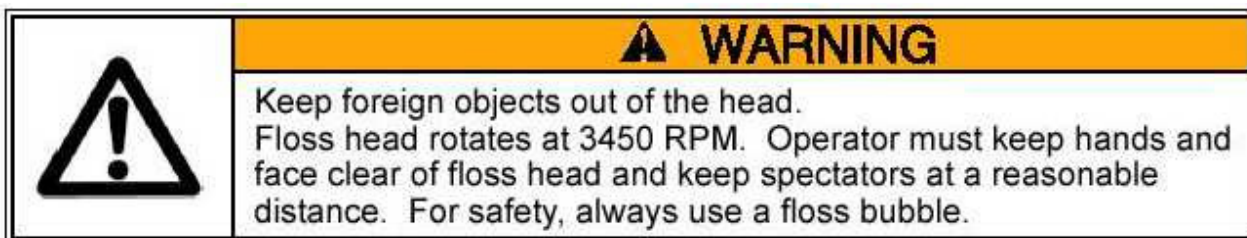
OPERATING INSTRUCTIONS

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.

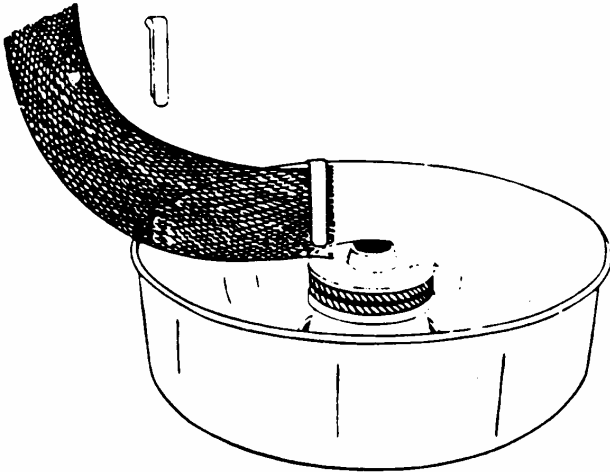
If you want to "Mix Your Own"—use our FLOSSINE, and please follow our directions. If you want a deeper color, slightly dampen the mixed sugar—use a tablespoon of water per five pounds of sugar—sprinkle water over sugar, and mix well. **DO NOT USE EXCESS COLOR**—too much color will mess up the ribbons 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.

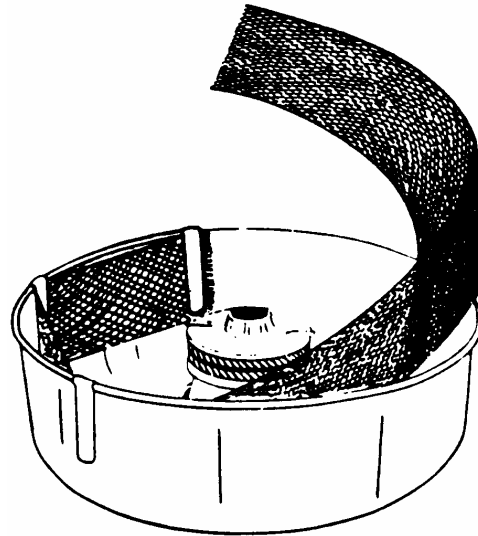


INSTALLATION OF FLOSS STABILIZER

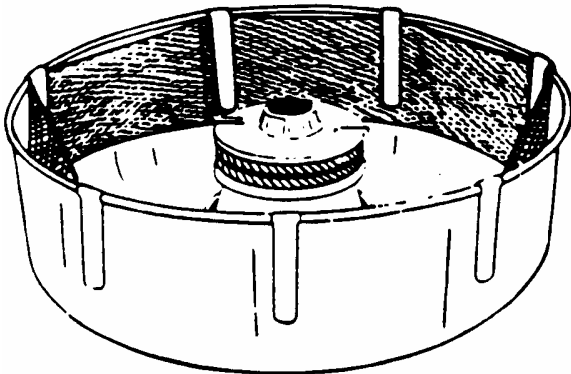
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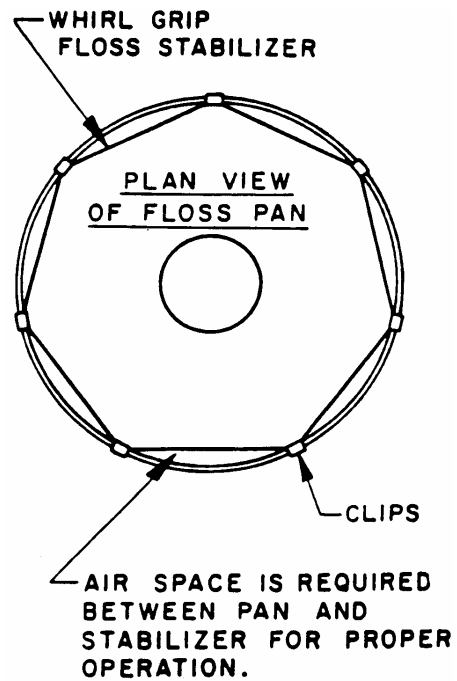
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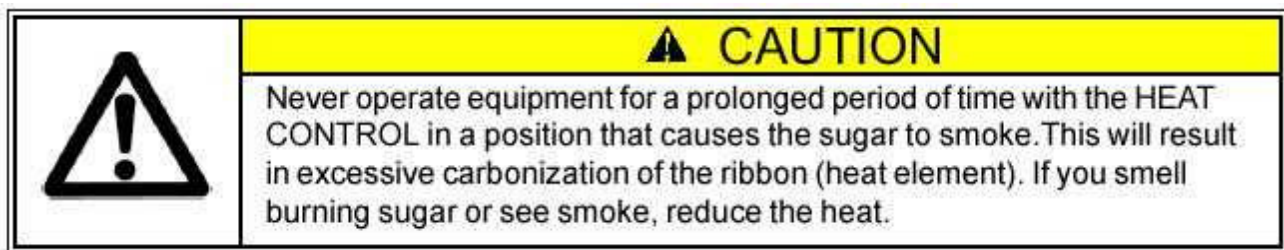


Making Cotton Candy

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."
4. The machine should start making cotton candy in a few seconds.

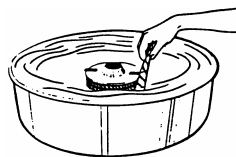
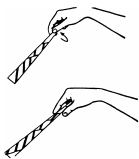


Pick a cone; if it sticks in the stack of cones, twist it off the stack.

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".

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.



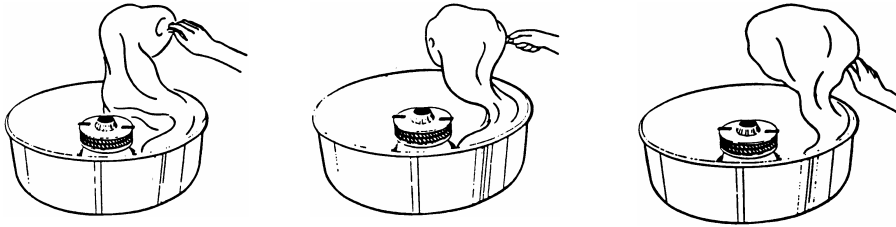
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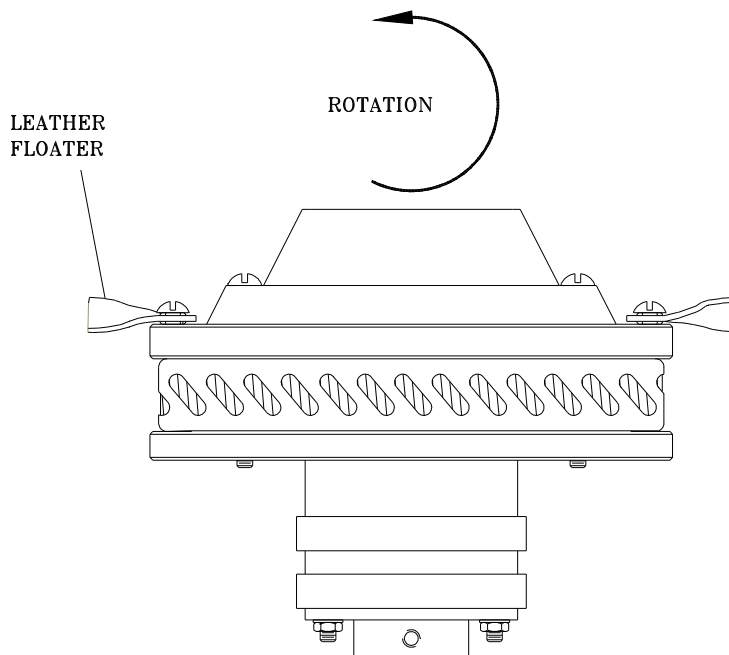


- DO NOT PUT HANDS OR OBJECTS IN ROTATING SPINNER HEAD.
- DO NOT FILL SPINNER HEAD WITH SUGAR WHILE IT IS ROTATING.
- WEAR EYE PROTECTION
- DO NOT PUT HANDS NEAR ROTATING SPINNER HEAD,
- USE FLOSS CONE TO COLLECT COTTON CANDY.

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.

MAINTENANCE INSTRUCTIONS

	⚠ CAUTION
	<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>

	⚠ WARNING
	<p>Adequate eye protection must be used when servicing this equipment to prevent the possibility of injury.</p>

	⚠ DANGER
	<p>Do NOT immerse the equipment in water. Unplug your machine before servicing.</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 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 105 VAC at the machine plug for the Accu-Floss 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.

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
-mail: goldme19@eos.net
Web Page: www.gmpopcorn.com

PARTS LIST CABINET ASSEMBLY

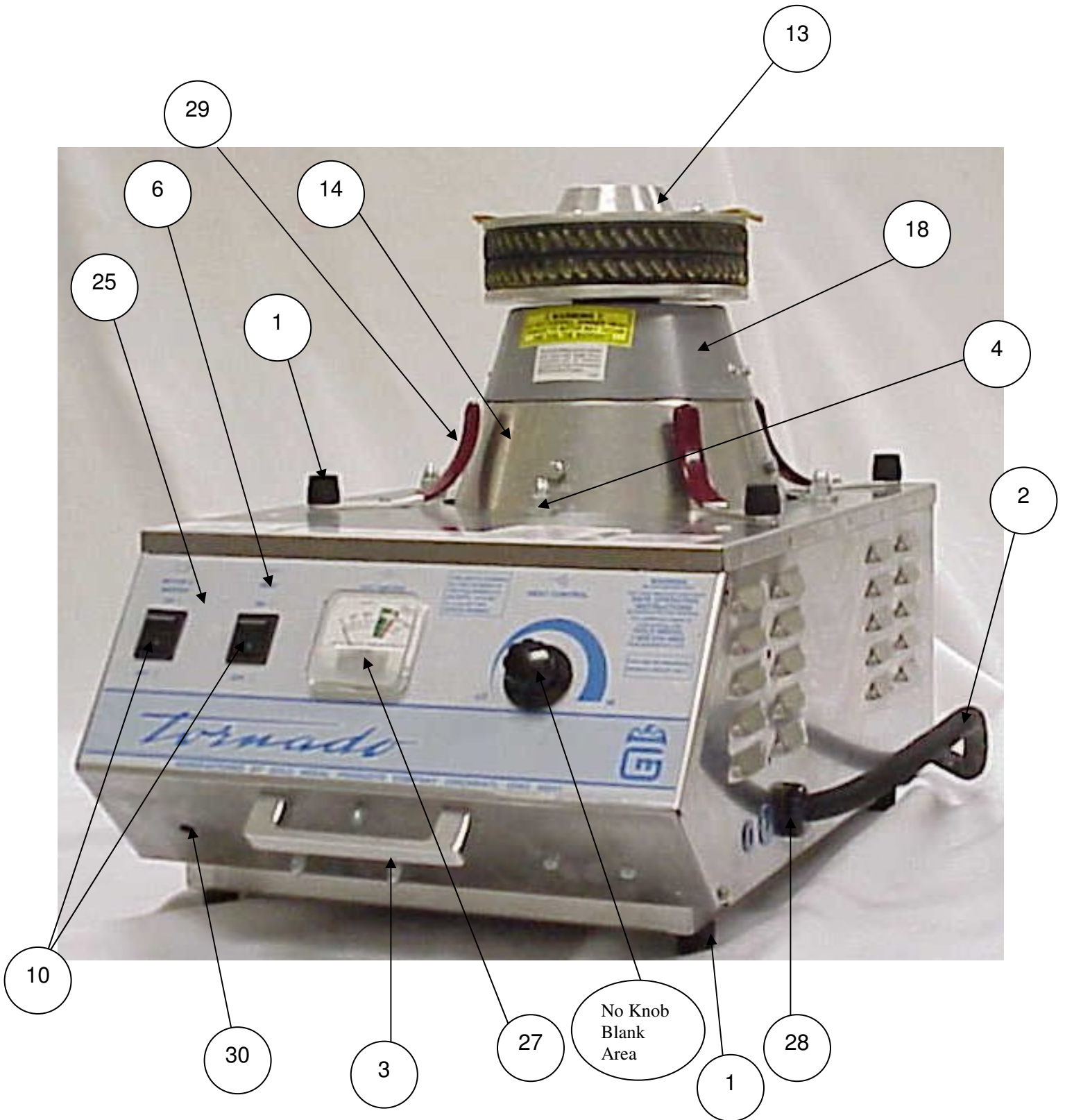
Model #3002		
Item No.	Part No.	Description
1	47155	Rubber Feet 3/4" High
2	87085	Power Supply Cord
3	67069	Handle
4	20006	Suspension Spring
5	48590	Relay
6	48652	Nameplate
7	42310	Bottom Plate *
8	48018	Exhaust Blower
9	48019	Shipping Brackets *
10	42798	Switch, On/Off
11	48730	Voltage Control PCB
13	42389L	Spinner Head Complete
14	42034	Bell Housing
15	43021	Tinnerman Nut (Motor Mounting)
16	48669	Motor 120 Volt Or 240 Volt
17	42320	Brush Holder Assembly *
18	42008NM	Brush Inspection Cover (2)
19		
20	20034	Carbon Brush (4)
21	48673	Heat Sink
22	48674	Potentiometer
23	48714	Surge Protector (Not Shown)
24	48653	Door Panel
25	47199	Blower Plug and Cord
26	47200	Finger Guard
27		
28	67060	Strain Relief
29	42049	Pan Support (4)
30		

*** Not Shown**

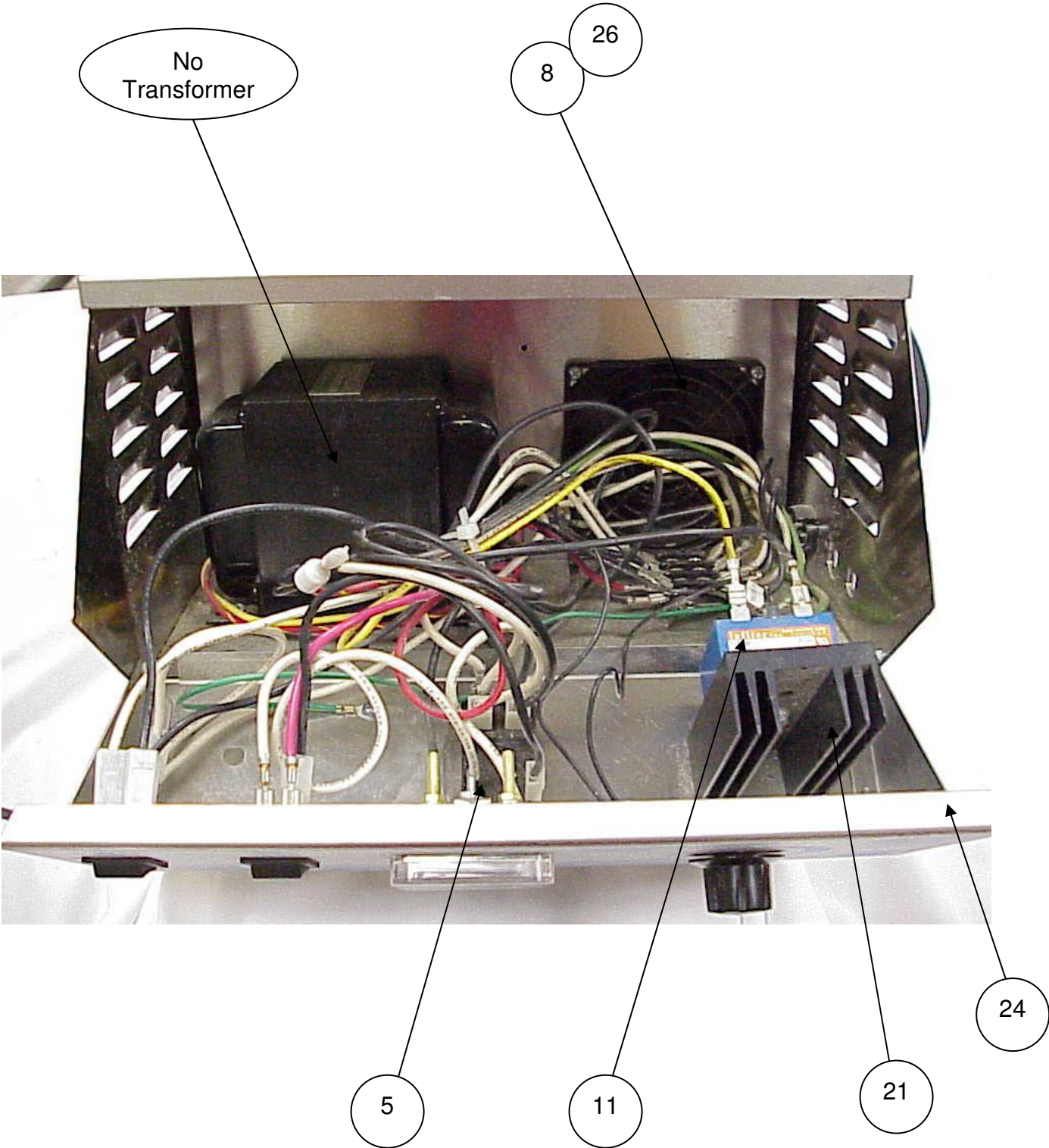
Floss Aluminum Pan Parts:

Model #3015A		
Item No.	Part No.	Description
	42040	Floss Aluminum Pan
	3010	Whirl Grip Stabilizer
	43030	Clip, Whirl Grip

FLOSS MACHINE ASSEMBLY



FLOSS MACHINE ASSEMBLY INSIDE



PARTS LIST

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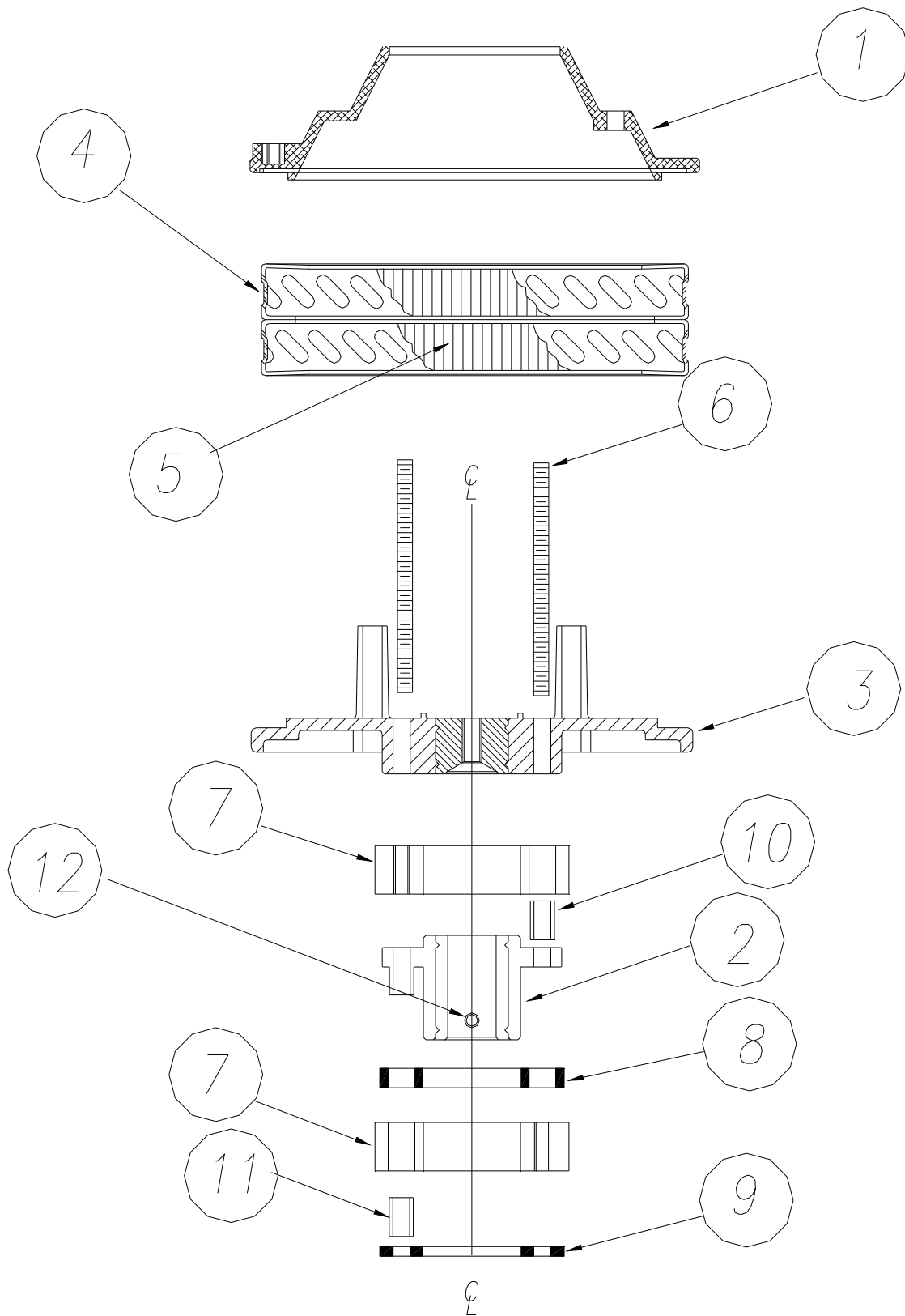
HEAD ASSEMBLY

Item No.	Part No.	Description
	42389L	Spinner Head Complete
	42398	Spinner Head Bottom Assembly
1	43166	Spinner Cap, High Capacity
2	42438	Lower Spinner Head
3	48671	Upper Spinner Head
4	42517	Floss Band, 5" Double (1)
5	48755	5" Ribbon Assembly (2)
6	42032	3 1/2" Head Stud
7	20020	Slip Ring
8	42025	Top Washer, Phenolic
9	20054	Bottom Washer, Phenolic
10	42030	Stud Insulator, 5/8"
11	42154	Stud Insulator, 1/2"
12	74125	Set Screw 1/4-20

Components Not Shown On Drawing

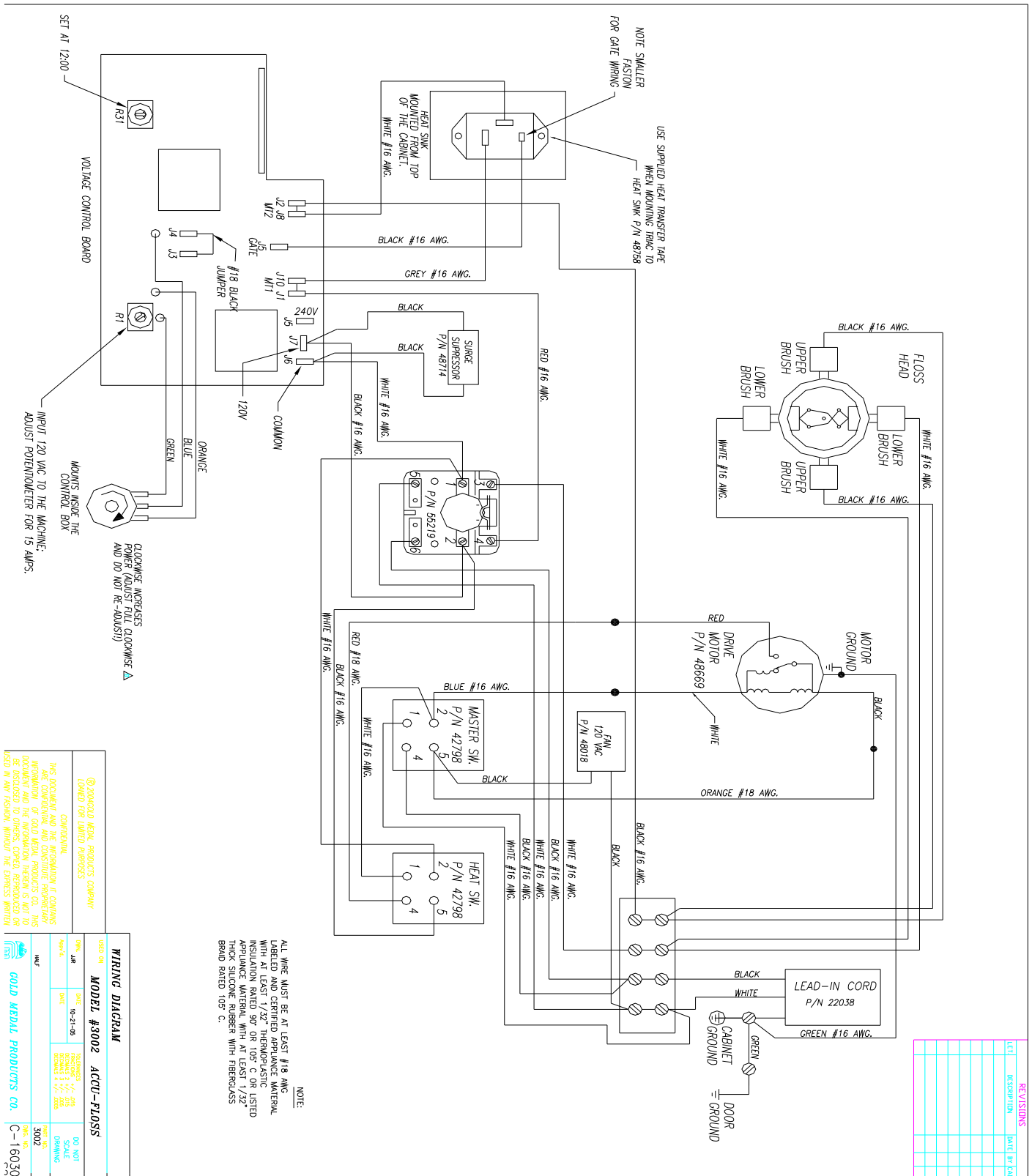
42305	Terminal Assembly
42162	Terminal Guard, Phenolic
74143	Hex Nut #10-32
42215	Washer #10 External Tooth
20010	Leather Floater
48401	Acorn Nut 1/4-20 Nylon
46513	Set Screw, 1/4-20
42199	10-24 x 2 3/4" Cap Screws (4)
42045	8-32 x 1/4" Screw (Attaches Ribbon Wires)

3002 FLOSS HEAD ASSEMBLY



ELECTRICAL SCHEMATIC

Wiring Diagram for Model #3002.



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WIRING DIAGRAM		MODEL #3002 ACCU-FLOSS	
DATE	REV	DESCRIPTION	BY
10-21-06	1	ISSUED FOR PRODUCTION	3002
GOLD MEDAL PRODUCTS CO.		C-16030	

REV	DESCRIPTION	DATE	BY

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.

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



GOLD MEDAL PRODUCTS COMPANY
10700 Medallion Drive
Cincinnati, Ohio 45241-4807 USA