

Floss Machines

Instruction Manual

Models #3017, #3017SS, 3024, and #3077
For Machines Manufactured after July 2007









 **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.

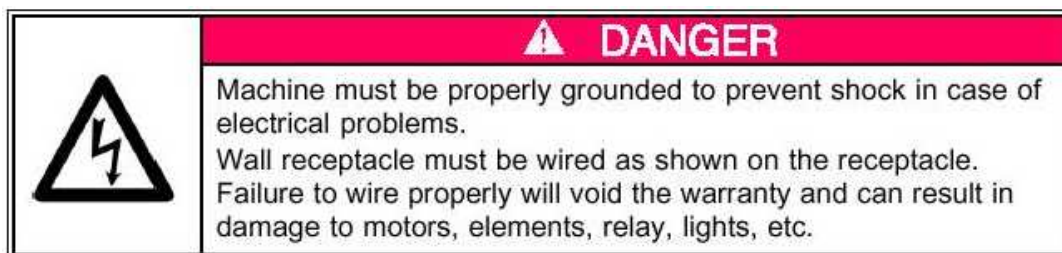
Setup:

Your new Econo Floss 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 shaver 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.

Controls And Their Functions

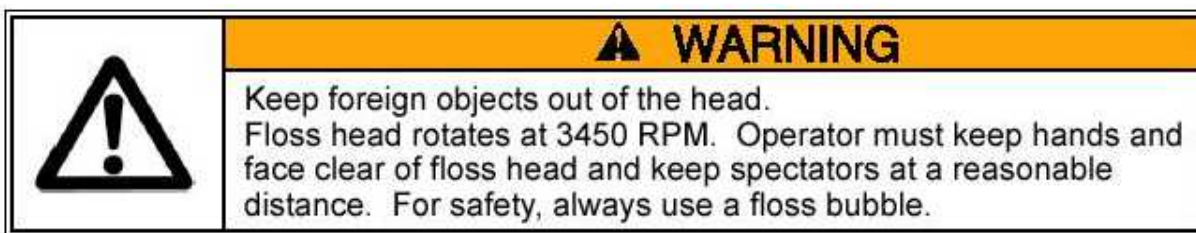
Motor and Master Switch - Turns motor "on" or "off", and supplies current to the heat switch.

Heat Switch - Supplies current to the heating element (ribbon) "on" or "off."

Heat Control - Increases or decreases voltage to the heating ribbon, 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.



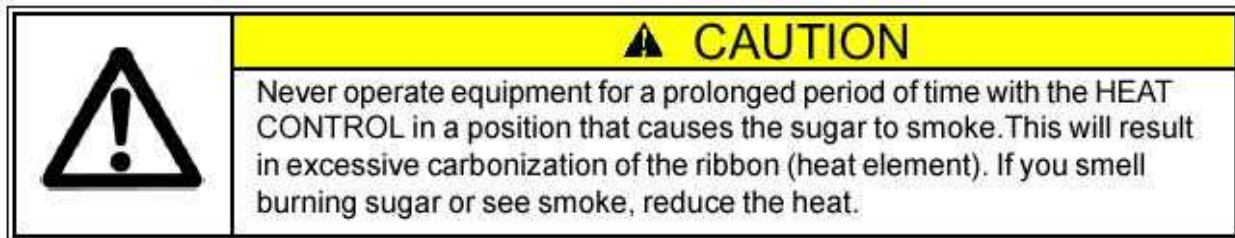
Heat Control Setting Test

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 MOTOR AND MASTER SWITCH on, then turn the 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 moments. 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.



6. The ideal heat setting will vary in different locations and ambient temperatures due to the nature of floss creation. Once you find the ideal setting for the HEAT CONTROL, operate with the setting near this position each time in similar environments.

Making Floss

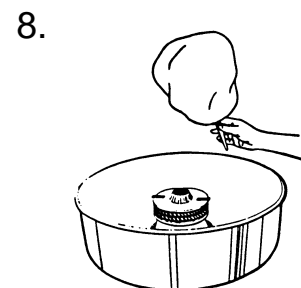
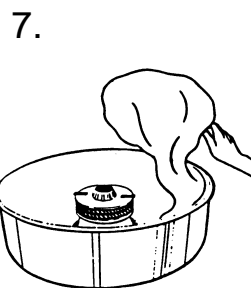
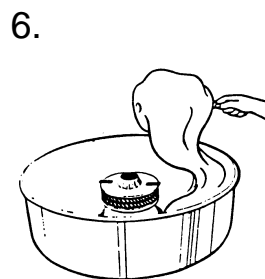
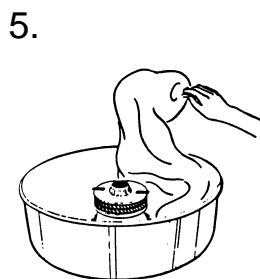
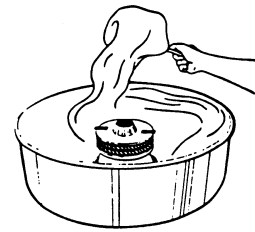
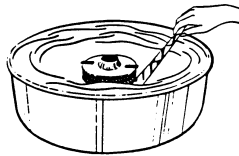
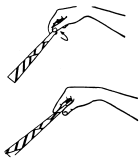


Pick a cone; if it sticks in the stack of cones, twist it off the stack.

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".

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.

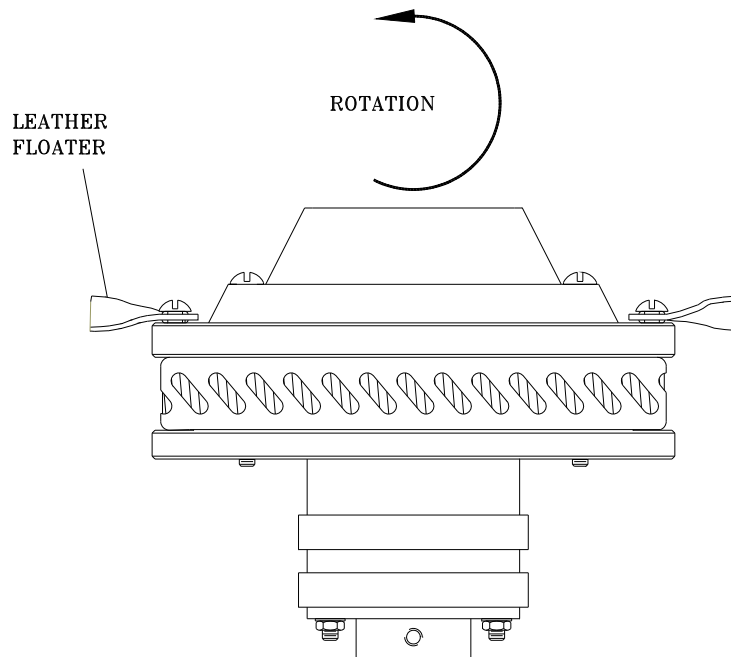


- DO NOT PUT HANDS OR OBJECTS IN ROTATING SPINNER HEAD.
- DO NOT FILL SPINNER HEAD WITH SUGAR WHILE IT IS ROTATING.
- WEAR EYE PROTECTION
- DO NOT PUT HANDS NEAR ROTATING SPINNER HEAD,
- USE FLOSS CONE TO COLLECT COTTON CANDY.

Floater Adjustment

In operation, the floss will collect on the FLOSS STABILIZER (if used). 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. When empty, turn the heat to highest position for approximately one minute to “clean” the band by burning off remaining sugar. **NEVER put water in the floss head.**

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>

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, or use sharp objects to clean 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, and must be replaced before operating the machine.

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 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 8 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, unplug the machine, then check for foreign objects or sugar lumps in the head assembly.

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.**

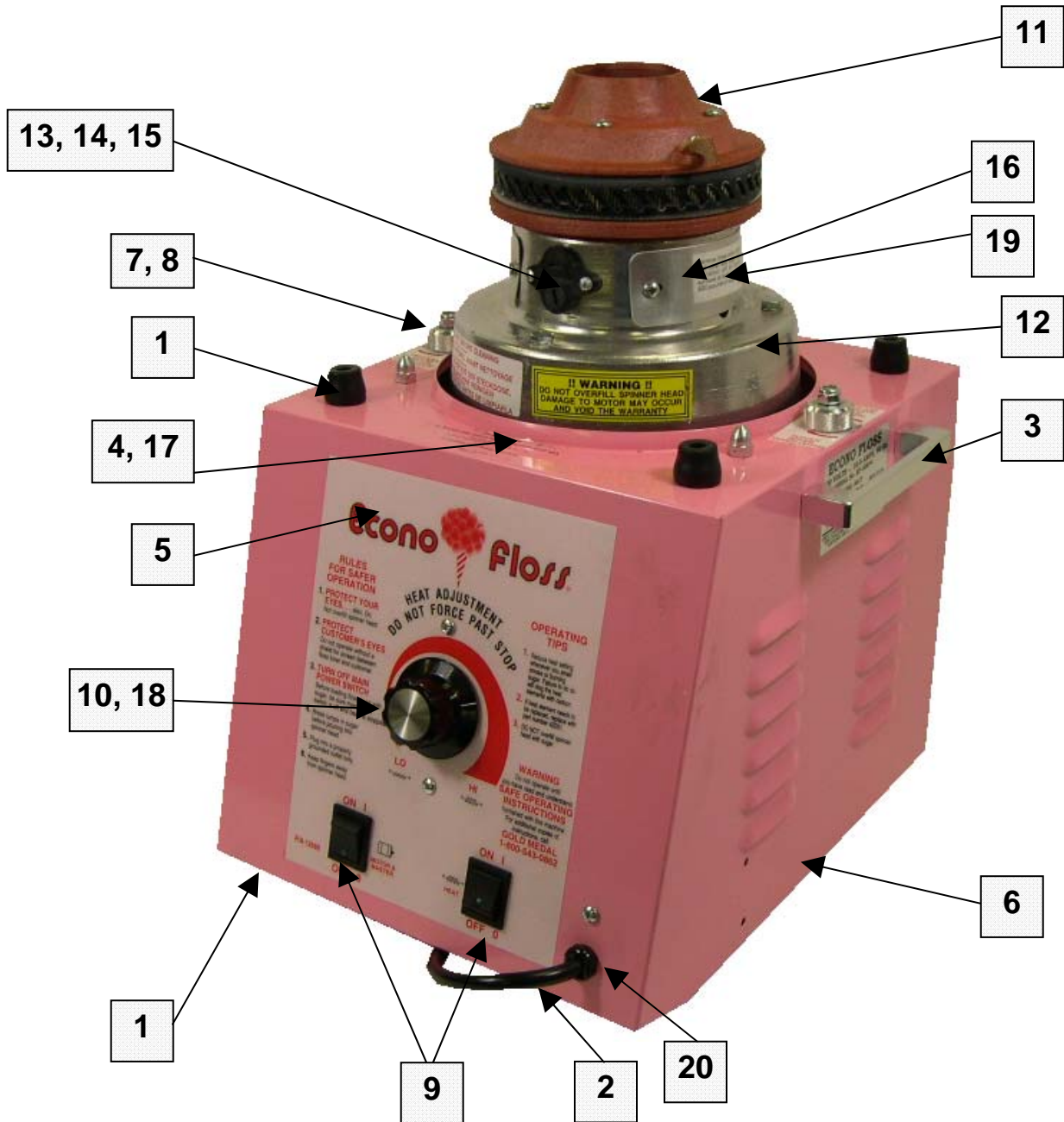
1. Identify the needed part by checking it against the photos, illustrations, and/or parts list.
2. When ordering, please include part number, part name, and quantity needed.
3. Please include your model name, serial number, and date of manufacture (located on the machine nameplate) with your order.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

Econo Floss And Floss Boss Models 3017, 3017SS, and 3024



Floss Maxx 3077

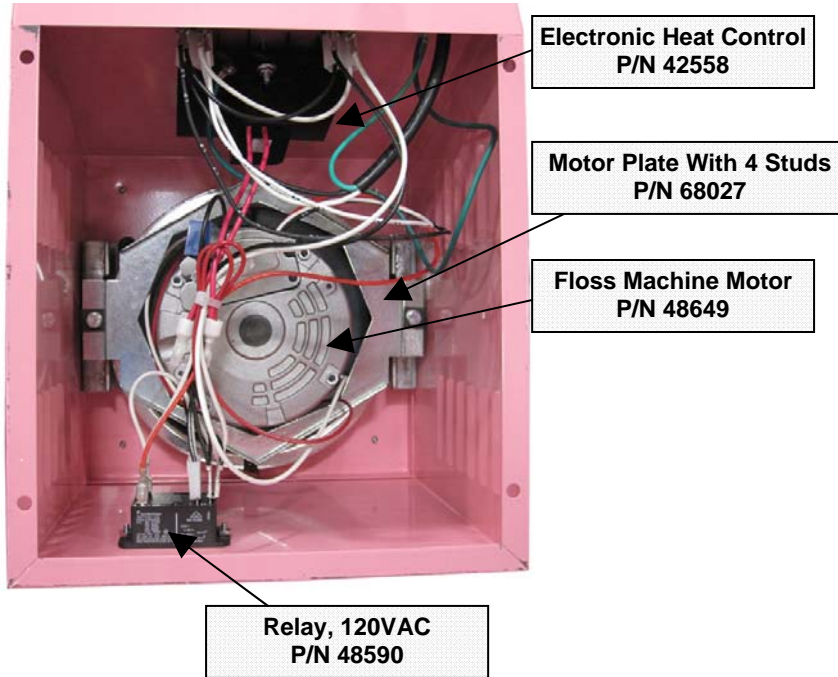


Parts List – Floss Machine Cabinet

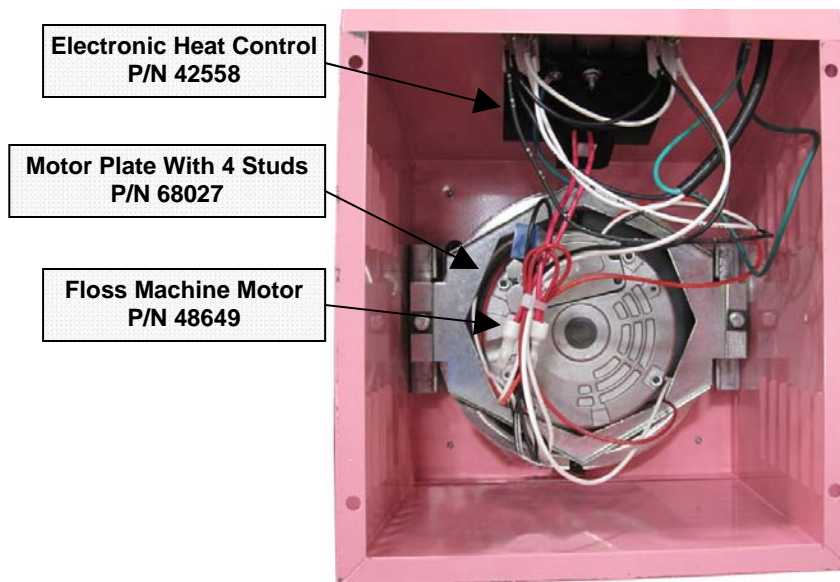
2	22038	22038	22038	22038	Power Supply Cord
3	67069	67069	67069	67069	Handle (2)
4	42524	42524	42524	42524	Suspension Spring (3)
5	12601	12601	12603	12608	Nameplate
6	42448	42448	42448	42448	Bottom Plate
7	42150	42150	42150	42150	Knob, Shipping Bracket (2)
8	69839	69839	69839	69839	Shipping Bracket Assy. (1)
9	42798	42798	42798	42798	Switch, On/Off (2)
10	42556	42556	42556	42556	Knob, Electronic Heat Control
11	42283	42283	42283	42561	Spinner Head Complete
12	42190	42190	42190	42190	Bell Housing
	42382N	42382N	42382N	42382N	Complete Brush Holder Assys. (Includes brushes, caps, holders)
13	42436W	42436W	42436W	42436W	Brush Holder Assembly (2)
14	42138	42138	42138	42138	Brush Holder Cap (4)
15	55007	55007	55007	55007	Carbon Brush (4)
16	42381	42381	42381	42381	Inspection Cover (2) (Screws Part No. 74148)
17	49068	49068	49068	49068	Acorn Nut 1/4-20
18	42558	42558	42558	42558	Electronic Heat Control
19	47299	47299	47299	47299	Tinnerman Nut (4)
20	76026	76026	76026	76026	Strain Relief

Inside Floss Machine Cabinet

3017/3077

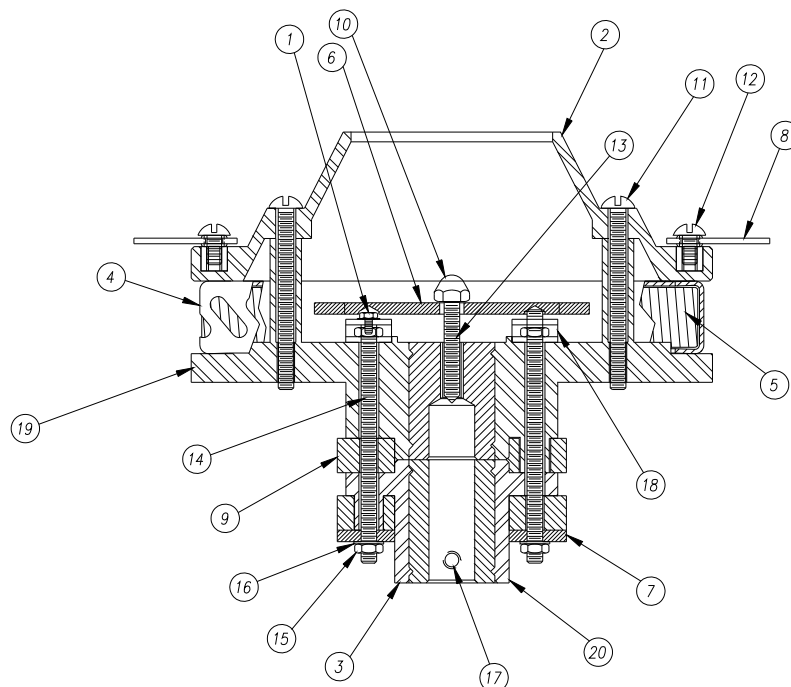


3024

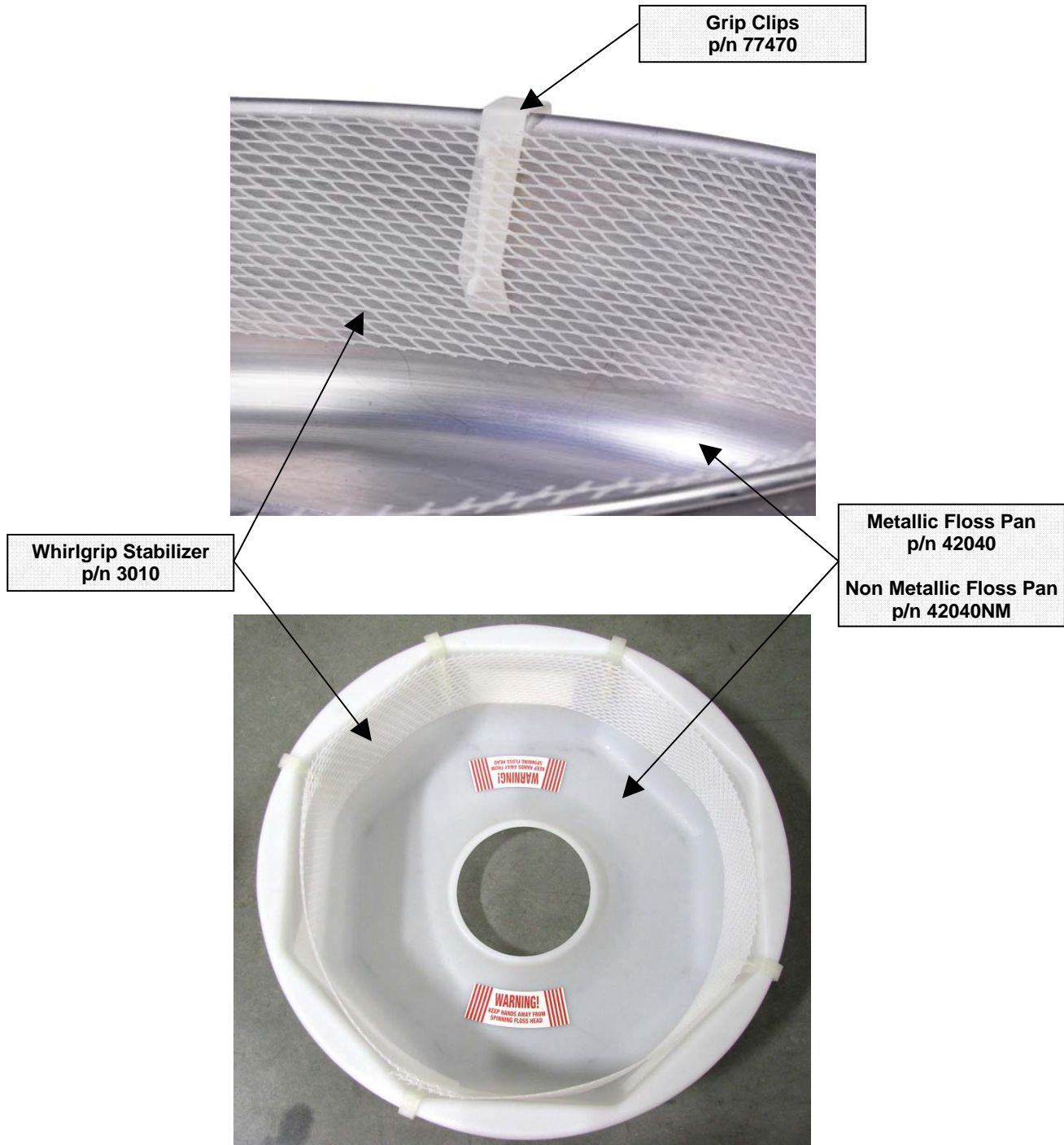


Parts list – Floss Machine Head (3077 Uses Double Floss Band – Not Shown)

	3017	3017SS	3024	3077	Description
	42283	42283	42283	42561	Spinner Head Complete
1	42045	42045	42045	42045	8-32 x 1/4 HX HD Whizlock
2	43166	43166	43166	43166	Spinner Cap, High Capacity
3	42284	42284	42284	42284	Spinner Head Bottom Only
4	43165	43165	43165	42517	5 1/2" Floss Band
5	42279	42279	42279	42565	5" Ribbon, 120V
6	42162	42162	42162	42162	Terminal Guard, Phenolic
7	20054	20054	20054	20054	Bottom Washer, Phenolic
8	20010	20010	20010	20010	Leather Floater (2)
9	42126	42126	42126	42126	Slip Ring 3/8" Wide (2)
10	48041	48041	48041	48041	Acorn Nut, Nylon
11	42041	42041	42041	42199	Screw, #10-24 x 2" (4) (2 3/4" long for 3077EX)
12	42192	42192	42192	42192	Screw, #8-32 x 5/8 PH PAN (2)
13	42311	42311	42311	42311	Set Screw, 1/4-20 x 2"
14	42127	42127	42127	42127	Slip Ring Stud (2)
15	74143	74143	74143	74143	Hex Nut, #10-32 (4)
16	42215	42215	42215	42215	#10 External Tooth Washer (4)
17	74125	74125	74125	74125	Set Screw, 1/4-20 x 3/8"
18	42305	42305	42305	42305	Terminal Assembly (2)
19	42437	42437	42437	42437	Upper Spinner Head
20	42281	42281	42281	42281	Lower Spinner Head

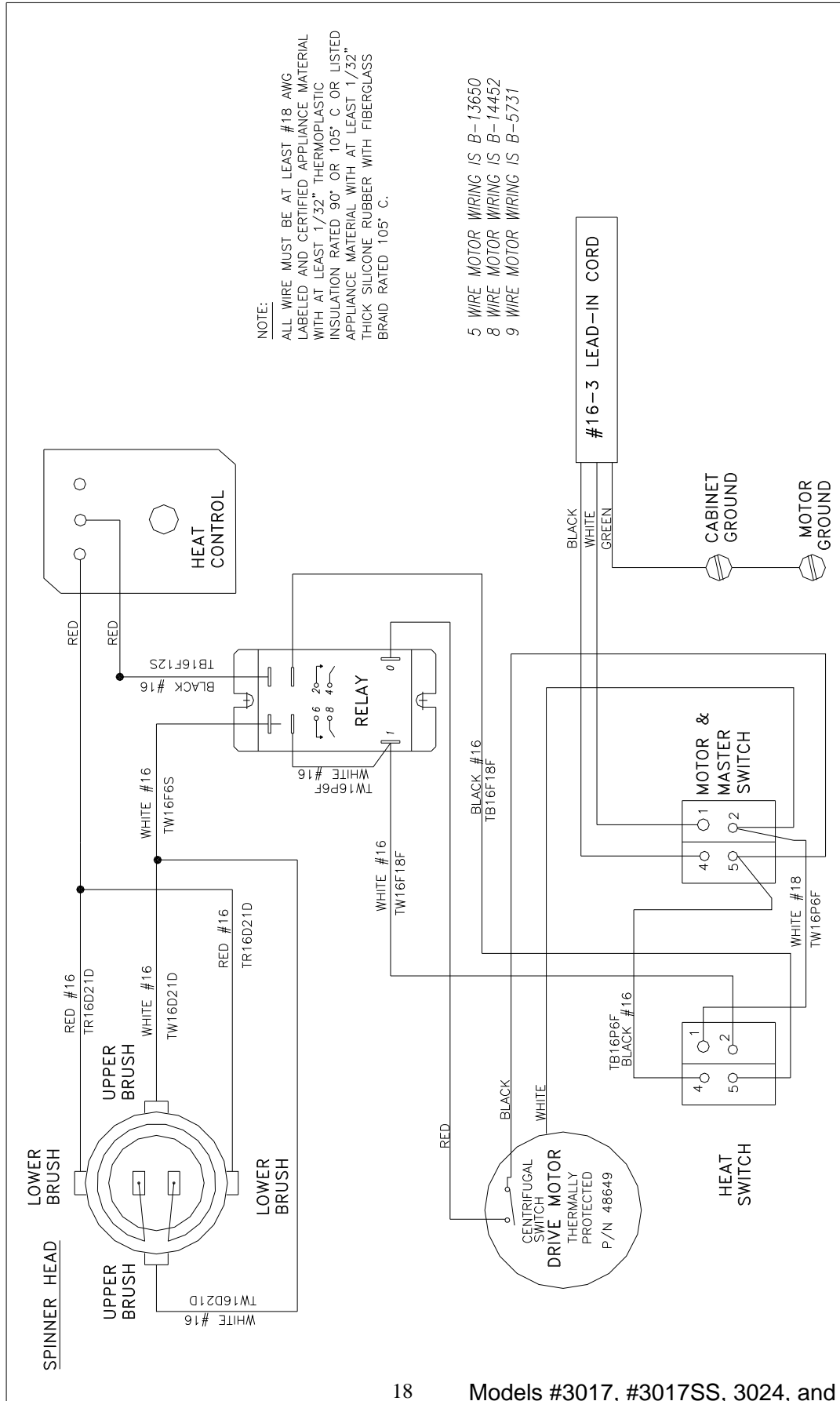


Floss Pan And Clips



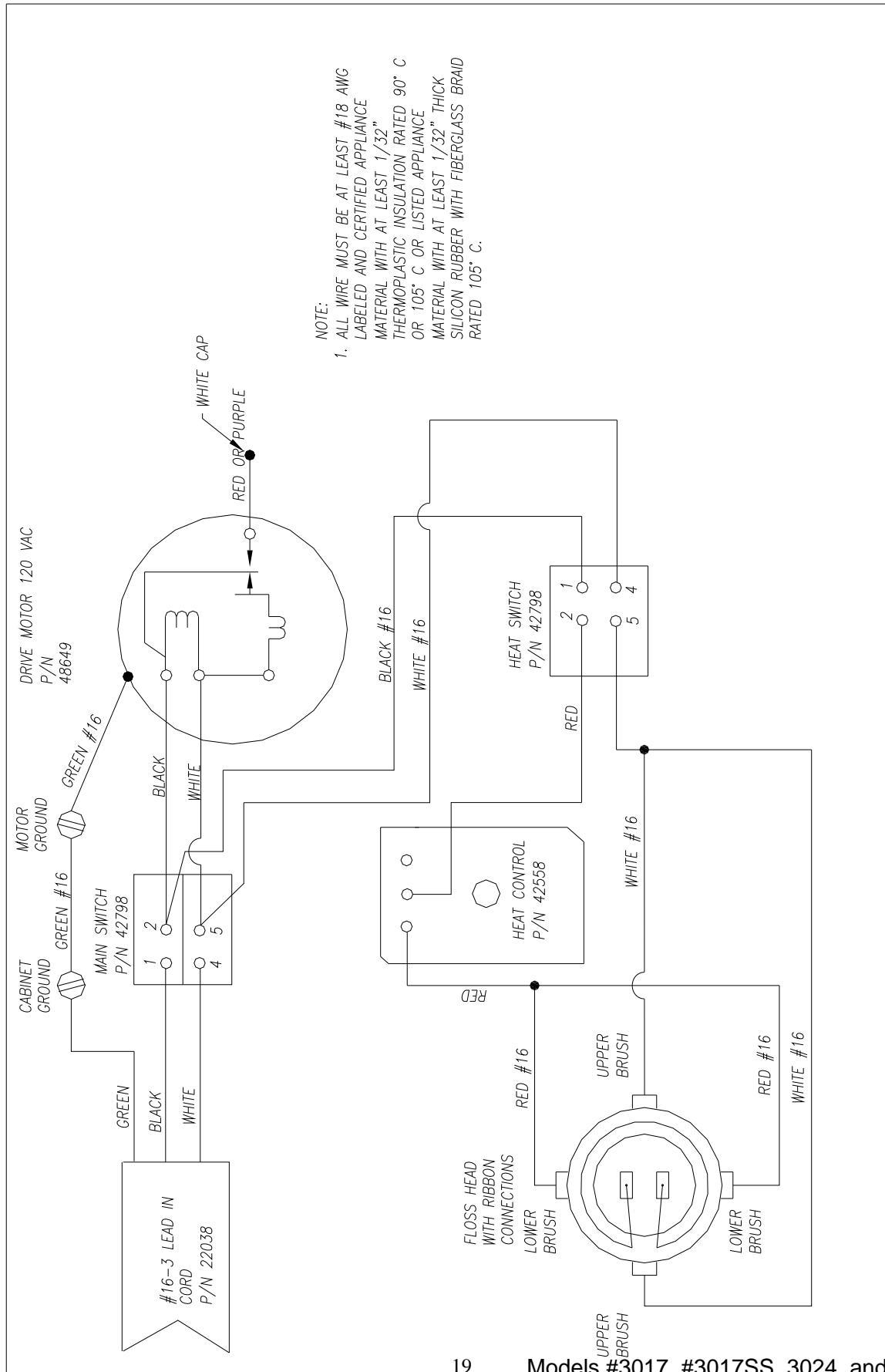
Electrical Schematics

Models 3017, 3017SS, and 3077



ELECTRICAL SCHEMATIC

Model 3024



NOTE:
 1. 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.

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

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