

Bucket Pump

Instruction Manual

Model No. 2114M



 **GOLD MEDAL**®

FUNFOOD EQUIPMENT AND SUPPLIES

Cincinnati, OH 45241-4807 USA

SAFETY PRECAUTIONS

	 DANGER
	Machine must be properly grounded to prevent electrical shock to personnel. Failure to do so could result in serious injury, or death. DO NOT immerse any part of this equipment in water. DO NOT 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. 008_051514

	 DANGER
	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. NEVER make alterations to this equipment. Read the Installation, Operating, and Maintenance Instructions thoroughly before installing, servicing, or operating this equipment. 014_020416

	 WARNING
	To avoid burns, DO NOT touch heated surfaces. DO NOT place or leave objects in contact with heated surfaces. 009_092414

	 WARNING
	ALWAYS wear safety glasses when servicing this equipment. 010_010914

	 WARNING
	No user serviceable parts inside. Refer servicing to qualified service personnel. 011_051514

	 WARNING
	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 gmpopcorn.com or write to Gold Medal Products Co., 10700 Medallion Drive, Cincinnati, OH 45241 USA 1-(800)-543-0862 022_060215

SAFETY PRECAUTIONS (continued)

	 WARNING 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. 012_010914
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	 WARNING This machine is NOT to be operated by minors. 007_010914
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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 or write to Gold Medal Products Co., 10700 Medallion Drive, Cincinnati, OH 45241 USA 1-(800)-543-0862.

ELECTRICAL REQUIREMENTS

The following power supply must be provided:

2114M: 120 Volts, 525 Watts, 60 Hz.

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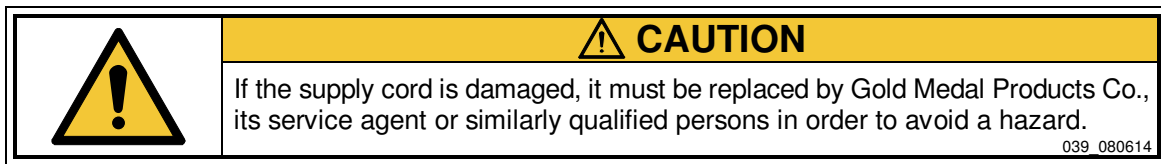
This machine is intended to be used with a Gold Medal popcorn popper. The popcorn machine will have a proper power cord to connect to the pump.

Your electrician must furnish sufficient power for proper machine operation. We recommend the popper powering this unit 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 the machine powering this pump 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 all machine switches on the popper are in the OFF position before plugging the equipment into the popper.
2. Make sure the popcorn machine can accept the grounded plugs (where applicable) on the power supply cord.
3. The wall outlet for the popcorn machine 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 on the popper (where applicable).
5. Install the unit in a level position.





OPERATING INSTRUCTIONS

FINAL PREPERATIONS

Your new Bucket Pump was adjusted, inspected and tested before it left the factory and is ready to operate with some fine adjustment to the volume of oil delivered to your popper (see adjustment instructions on the following page).

NOTE: We recommend pre-melting oil in the bucket with **Gold Medal®** Product's Hot Wand (catalog #2018) before inserting your new bucket pump to prevent the possibility of damage to the heat element.

INSTALLATION

1. Place your oil pump in a pre-melted bucket of oil.
2. Connect the plastic oil delivery tube (located in your popper) to the quick disconnect (located on your oil pump) using the hose clamp supplied with your popcorn machine.
3. Connect the power supply cord (under the popper) to the disconnect plug on your oil pump.

NOTE: Volume measurements should be taken from the oil delivery tube located in your existing popper above the kettle.

HIGH HEAT

(USE WHEN OIL IS SOLID OR CONGEALED AT ROOM TEMPRATURE)

1. Turn on the "Oil System Master Switch" located on the switch panel in your popper.
2. The "High Heat Cycle" is factory set at 20 minutes.
3. To start the High Heat Cycle, press the "Start High Heat" switch.
4. If desired, the "High Heat Cycle" can be reduced. To reduce heat - unplug the unit, remove the cover and adjust the Potentiometer located on the back of the Timer (Part No. 55047). Only qualified technicians should perform this adjustment.

LOW HEAT

(Use when pumping oil is in liquid state at room temperature)

1. Turn ON the "Low Heat Switch", located on the oil pump, to slightly warm the oil.
2. Turn OFF the "Low Heat Switch", if no heat is desired.



Set the Oil Dispense Timer

The 2114M is equipped with a Single Shot Timer that controls how long the pump dispenses oil. To adjust the oil volume, first determine the oil charge ratio needed, then adjust the timer setting by following the instructions in the Setting Timer section shown below.

Determine the Oil Charge Ratio

The oil dispense volume is factory set at approximately 10 oz. (296 ml). Use the chart below to determine the volume of oil according to your corn charge.

Raw Corn Charge		Oil Charge	
ounces	grams	ounces	milliliters
12	340	3.5	103
14	397	4	120
16	454	5.3	155
20	567	6.6	195
28	794	8.4	250
32	907	10	296
36	1021	12	355
48	1361	14.5	430
52	1474	16	470

Setting Timer (Program Oil Dispense Volume)

To program the oil dispense volume, set the timer to control how many seconds the pump will operate. The Single Shot Timer is equipped with ON/OFF “DIP” switches which can be turned ON in any combination to equal the amount of seconds the pump will dispense oil. The sum of the “DIP” switch numbers in the ON position, equals the number of seconds the pump will dispense oil (pump run time).

For example: Switch 1, ON position = One (1) second of run time

Switch 2, ON position = Two (2) seconds of run time

Switch 4, ON position = Four (4) seconds of run time

Switch 8, ON position = Eight (8) seconds of run time

Total Pump Run Time = 1 + 2 + 4 + 8 = Fifteen (15) seconds

Set timer to program the oil dispense volume:

1. Verify the current volume of oil dispensed.

Note: Volume measurements should be taken from the oil delivery tube located in the popper above the kettle, using the Oil System Master Switch and the “Red” Oil Dispense PB Switch located on the control panel of the popper.



2. Hold a measuring cup under the oil delivery tube in the popper, with the Oil System Master Switch ON, push the Red Oil Dispense Button (located on the control panel of the popper) and measure the amount of oil discharged.
3. Verify the current timer setting. The amount of oil dispensed is determined by how long the Single Shot Timer operates. Locate the timer "DIP" switches (on the left side of pump control box). For each switch in the "ON" position, add the switch numbers together for the total number of seconds the pump will operate.
4. Turn "DIP" switches ON/OFF in any combination to adjust the seconds needed.
5. Add seconds to the dispense time, to increase the volume of oil dispensed. Subtract seconds to decrease the volume of oil dispensed.

CLEANING INSTRUCTIONS

	 DANGER Machine must be properly grounded to prevent electrical shock to personnel. DO NOT immerse in water. DO NOT clean appliance with a water jet. Always unplug the equipment before cleaning or servicing. 025_111616
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	 WARNING To avoid burns, DO NOT touch heated surfaces. DO NOT place or leave objects in contact with heated surfaces. 009_092414
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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.

Exterior Surface Cleaning

1. With the machine OFF, unplug the unit and allow it to cool before attempting to clean.
2. The exterior surfaces can be cleaned by wiping oil spills with a dry towel, then wiping with another towel dampened with mild soap and warm water.
3. Wipe stainless steel parts with a clean cloth and cleaner designed for stainless steel, such as Gold Medal Watchdog Stainless Cleaner (Item No. 2088).

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

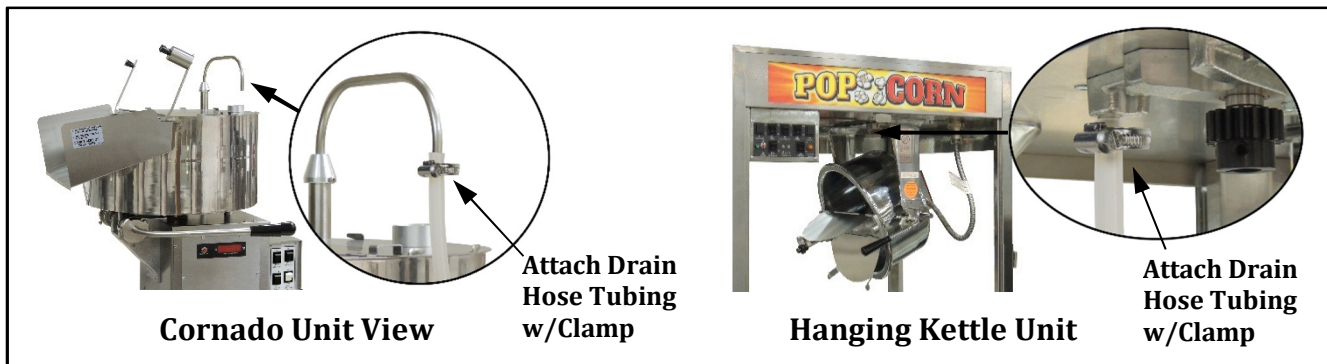
Sanitizing the Tubing and Pump

Items Needed: **(2) Empty Oil Pails** (thoroughly cleaned)
(1) 6-Ft Piece of 5/16" ID Tubing and Clamp (Item No. 102187 and 41163)
Gold Medal Chlor-Tech Sanitizer (Item No. 1109)
Measure Cup (for priming unit)

NOTE: If using a five-gallon bucket, adjust lid collar on pump so unit does not rest on element (loosen thumbscrews on collar, place pump on bucket, then adjust collar position and retighten thumbscrews).

1. With machine off, unplug unit and allow oil pump and popper kettle to cool completely before attempting to clean (always have power disconnected when wiping unit off).
2. Fill a clean, empty pail half-full with hot water and Gold Medal Chlor-Tech Sanitizer (reference instructions on sanitizer container for appropriate amount).
3. Lift bucket pump from oil pail and allow oil to drain from pump, then wipe off any excess oil with a clean cloth.

4. Place pump in pail of solution.
5. Let pump soak for ten minutes, lift pump from solution and wipe down with a clean, solution soaked cloth. Return pump to bucket.
6. Attach the 6-ft piece of tubing to oil dispense tube above popper kettle (see image below).



7. Place other end of drain hose in empty pail.
8. Using the “Red” Oil Dispense PB Switch (located on the control panel of the popper), dispense solution until tubes are clean and free of oil.
9. When cleaning is complete, discard the dirty solution, then clean pail and refill with clean, hot water.
10. Lift pump from pail of solution and allow to drain, then place pump in pail of clean, hot water.
11. Switch drain hose to solution pail.
12. Using the “Red” Oil Dispense PB Switch, dispense hot water until tubes are clean and free of sanitizer solution.
13. When cleansing is complete, remove drain hose from oil dispense tube above kettle.
14. Remove pump from water pail and allow it to drain completely of any water, then wipe pump thoroughly dry with a clean cloth before placing back in oil.
15. Place pump in oil pail.
16. Using a measuring cup or medium sized container, the system has to be purged and primed. Use the “Red” Oil Dispense PB Switch to dispense oil into the container until all water has been expelled and tubes are primed with oil. Always discard priming oil dispensed after cleaning.
17. Sanitize cleaning items for next use.

MAINTENANCE INSTRUCTIONS

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	 WARNING
	No user serviceable parts inside. Refer servicing to qualified service personnel. 011_051514

	 CAUTION
	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. 027_010914



ORDERING SPARE PARTS

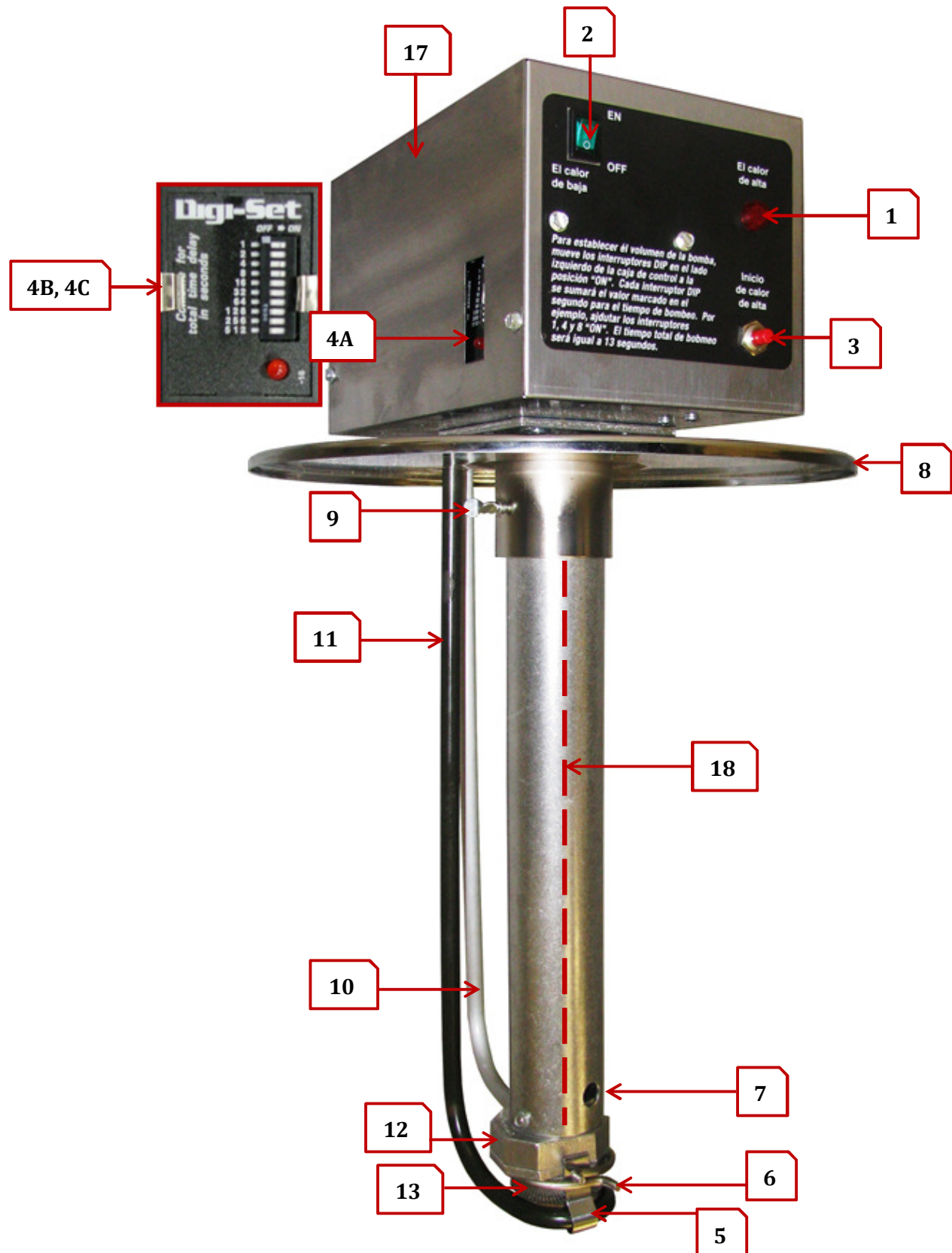
1. Identify the needed part by checking it against the photos, illustrations, and/or parts list. (General images may be used in manual for reference only.)
2. When ordering, please include part number, part name, and quantity needed.
3. Please include your model number, serial number, and date of manufacture (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

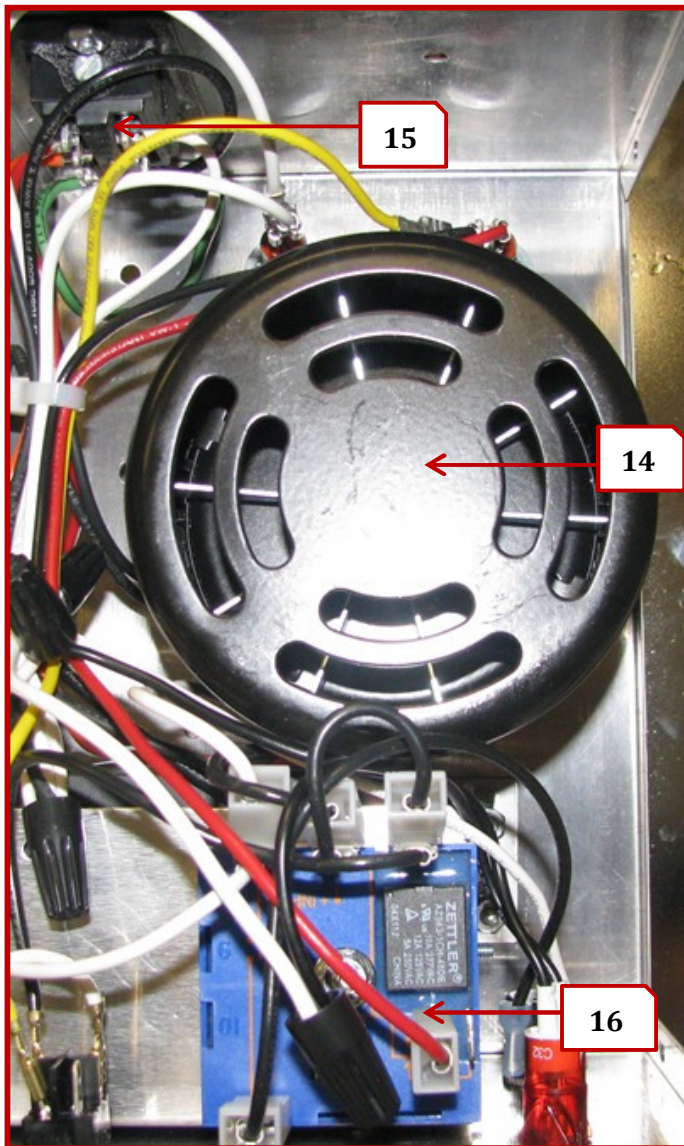
Or, place orders by phone or online:

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

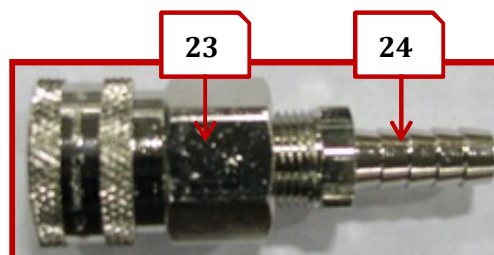
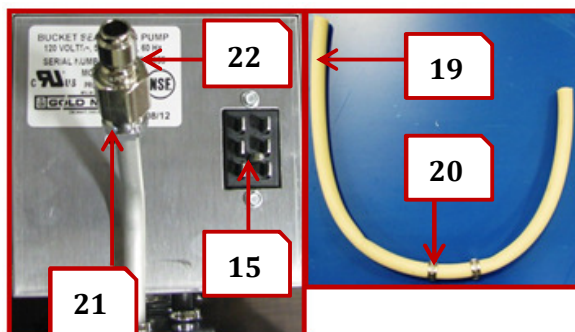
PARTS BREAKDOWN



PARTS BREAKDOWN



Number	Part No.	Description	Quantity
1	41033	125V Red Pilot Light	1
2	42532	DPST Rocker Switch	1
3	41031	Oil Pump Switch	1
4A	79140	Pump Timer Dip Switches	1
4B	79159	Timer Hold Down Clips	2
4C	79141	8 Pin Sprocket	1
5	79017	Element Retainer	1
6	79018	Filter Screen Clamp	1
7	79023	Pump Mounting Tube	1
8	79030	Bucket Lid Assembly	1
9	112000	10-24 x 1/4 Thumb Screw	2
10	79015	Oil Delivery Tube	1
11	79002	120V, 500/30W Heat Element	1
12	79001	Pump Assembly	1
13	79016	Filter Screen	1
14	79006	Pump Motor	1
15	79004	Cinch Plug	1
16	55047	High Heat Timer	1
17	79062EX	Bucket Pump Cover	1
18	79011	Drive Shaft	1
19	91703	Tubing	1
20	41163	Hose Clamp With Screw	2
21	79022	Chrome Pipe Reducer	1
22	79251	Hansen Plug	1
23	79250	Hansen Socket	1
24	79252	Hansen Hose Stem	1



[illegible]



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[®] PRODUCTS CO.

10700 Medallion Drive, Cincinnati, Ohio 45241-4807 USA

gmpopcorn.com

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(513) 769-7676 (513) 769-8500

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