

Econo-16

Models 2024, 2024ST

16oz. Popcorn Machine

Instruction Manual



Customer Side



Operator Side

 **GOLD MEDAL**®
FUNFOOD EQUIPMENT AND SUPPLIES

Cincinnati, OH 45241-4807 USA

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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 the kettle, warmer, or any other part of this equipment in water. Always unplug the equipment before cleaning or servicing. Do not use excessive water when cleaning.



WARNING

To avoid serious burns, do **NOT** touch the kettle while it is hot.



WARNING

ALWAYS wear safety glasses when servicing this equipment.



WARNING

Any alterations to this equipment will void the warranty and may cause a dangerous situation. **NEVER** make alterations to the equipment. Make sure all machine switches are in the off position before plugging the equipment into the receptacle.



CAUTION

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.



CAUTION

This machine is **NOT** to be operated by minors. Minors are classified as anyone under the age of 18.

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.

INSTALLATION INSTRUCTIONS

Note: Make sure to have all employees read the instruction manual thoroughly before operating this machine.

CHECKING 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 is not responsible for damage that occurs in transit.

Electrical Requirements

Domestic models only: 120v, 20A, 60 Hz.

This popper must be operated on a dedicated and circuit-protected 20 Amp line.

	 DANGER
	Machine must be properly grounded to prevent shock in case of electrical problems. Wall receptacle must be wired as shown on the receptacle. Failure to wire properly will void the warranty and can result in damage to motors, elements, relay, lights, etc.

FINAL PREPARATIONS

 WARNING

To avoid serious burns, do NOT touch the kettle while it is hot!

The popcorn machine was adjusted, inspected, and tested before it left the factory. After removing machine from shipping box, remove all tape and packing material in or on the machine before beginning operation.

OPERATING INSTRUCTIONS

CONTROLS AND THEIR FUNCTIONS

LIGHT SWITCH

Turns on all the lights, interior and dome, on your popcorn machine.

WARMER SWITCH

Operates the heaters for the heated corn pan.

KETTLE HEAT SWITCH

Operates the heating elements in the popping kettle.

KETTLE MOTOR SWITCH

Operates the kettle agitator motor.

POPPING CORN

AMOUNT OF POPCORN AND OIL

Your new popper is equipped with a corn, salt, and oil measure. We recommend flavored and colored coconut oil. Popcorn popped in coconut oil stays fresh longer. Coconut oil does not leave black deposits in your kettle like other oils.

Corn charge – 16 oz.

Oil charge – 4-5 oz.

Flavacol – 20 cc (approx. 4.0 tsp)

POPPING INSTRUCTIONS

1. Turn KETTLE HEAT and KETTLE MOTOR switch ON.
2. Make test pop with 3 kernels of corn and 1 oz. (30 ml) of oil.
3. Load pre-measured popcorn and oil pouch into kettle, or add ingredients in amounts specified above.
4. When corn has popped, dump kettle.
5. Repeat cycle starting with Item #3; always pop 3-5 batches for best popcorn.

When you are finished popping, make sure “KETTLE HEAT” and “KETTLE MOTOR” switches are turned “OFF”.

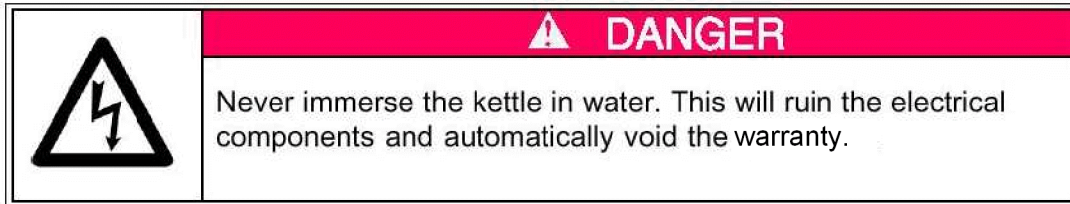
NEVER LEAVE THE HEAT ON WHEN YOU ARE NOT POPPING CORN.

CLEANING INSTRUCTIONS

DAILY:

Clean the Kettle

1. As you pop corn, wipe the kettle with a clean cloth. It is easy to keep the outside clean when the kettle is warm and the oil is not baked on. CAUTION: The hot kettle will cause burns if you touch it with your hand. Allow the kettle to cool for at least 1 hour before attempting to clean.
2. Every night, add 10 – 12 oz. of Heat'n Kleen solution (mix 2 tablespoons Heat'n Kleen per gallon of water). Turn on the kettle heat. When the water starts to boil, turn off the heat and let it work overnight.
3. The next morning, dump the solution into a bucket and wipe the inside of the kettle with a cloth.



Clean the Popcorn Machine

1. Wipe the stainless steel parts with a clean cloth and cleaner designed for stainless steel. ***Do not use oven cleaners, as they will damage parts of the machine.***
2. Remove the Air Chute (see Cabinet Interior—Ceiling Components) and clean both mesh filters. Clean filters in warm soapy water, allow to air dry, then reinstall.
3. Ammonia cleaners will damage the plastic doors. ***Use only non-ammonia cleaners, such as Gold Medal's – Watchdog Glass Cleaner – item number 2588.***

MAINTENANCE INSTRUCTIONS

	 DANGER Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury, or death. Read the Installation, Operating, and Maintenance Instructions thoroughly. Installation should be performed by a certified electrician.
	 WARNING Adequate eye protection must be used when servicing this equipment to prevent the possibility of injury.
	 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.

TROUBLESHOOTING

LONG POPPING CYCLES

If your pop cycle is longer than 4 minutes, it can be the result of several things:

- A. **LOW VOLTAGE** - If the machine is operated on low voltage, this could cause the kettle not to reach the proper operating temperature. Voltage must be at least 110v.
- B. **INADEQUATE SUPPLY LINES** - Inadequately sized electrical supply lines, in addition to being a fire hazard, would also prevent the kettle from reaching the proper operating temperature. Check with a qualified electrician.
- C. **INFERIOR CORN** - Inferior quality corn would result in longer popping cycles. Use only top quality hybrid popcorn from reputable suppliers. Even then, if you let your corn pick up moisture or dry out, your popping cycles will be slow.

KETTLE DOES NOT HEAT

Before you go any further, make sure the kettle lead-in cord is plugged in.

- A. **KETTLE HEAT SWITCH** - Check the voltage to and from the "KETTLE HEAT" switch, and if the switch is defective, replace it.

MOTOR WILL NOT TURN AGITATOR

WARNING! If the kettle agitator shaft is not rotating, **DO NOT** pop corn. Adjust the clearance between the kettle bottom and the stir blade to 1/32" (use a dime). Loosen the set screw in the collars above and below the crossbar and adjust the agitator shaft as necessary. Then re-tighten the set screws in the collars.

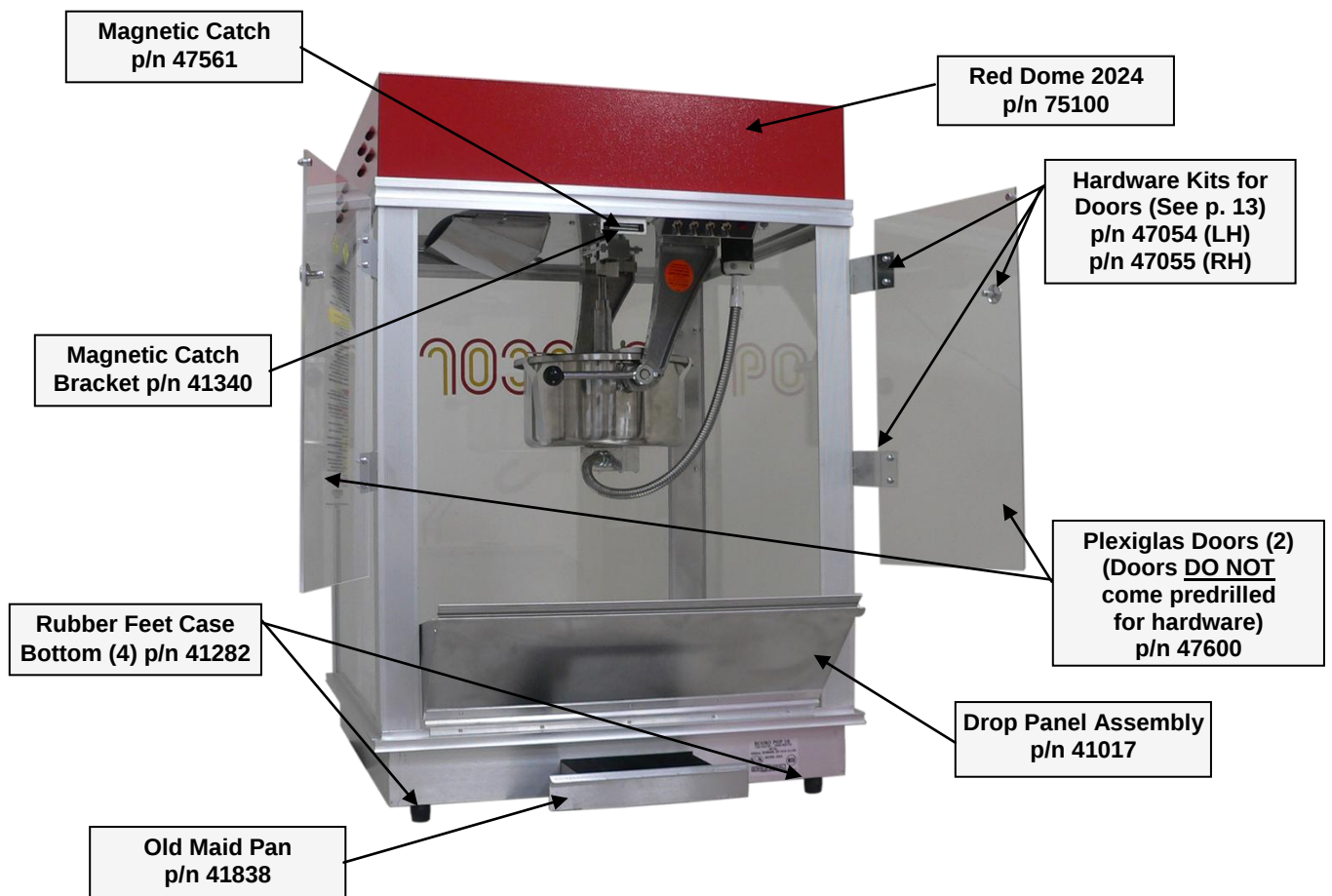
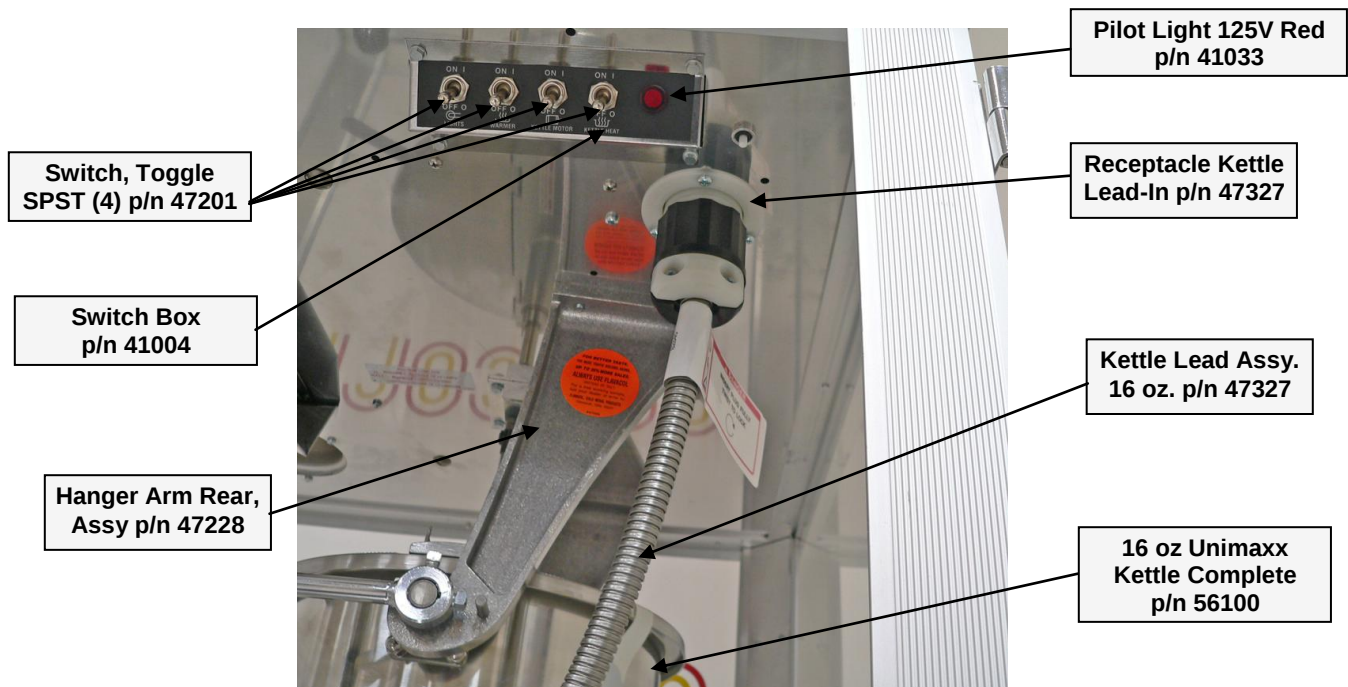
ORDERING SPARE PARTS

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 the machine's model name, serial number, and date of manufacture (located on the machine nameplate) with your order.
4. Address all parts orders to:

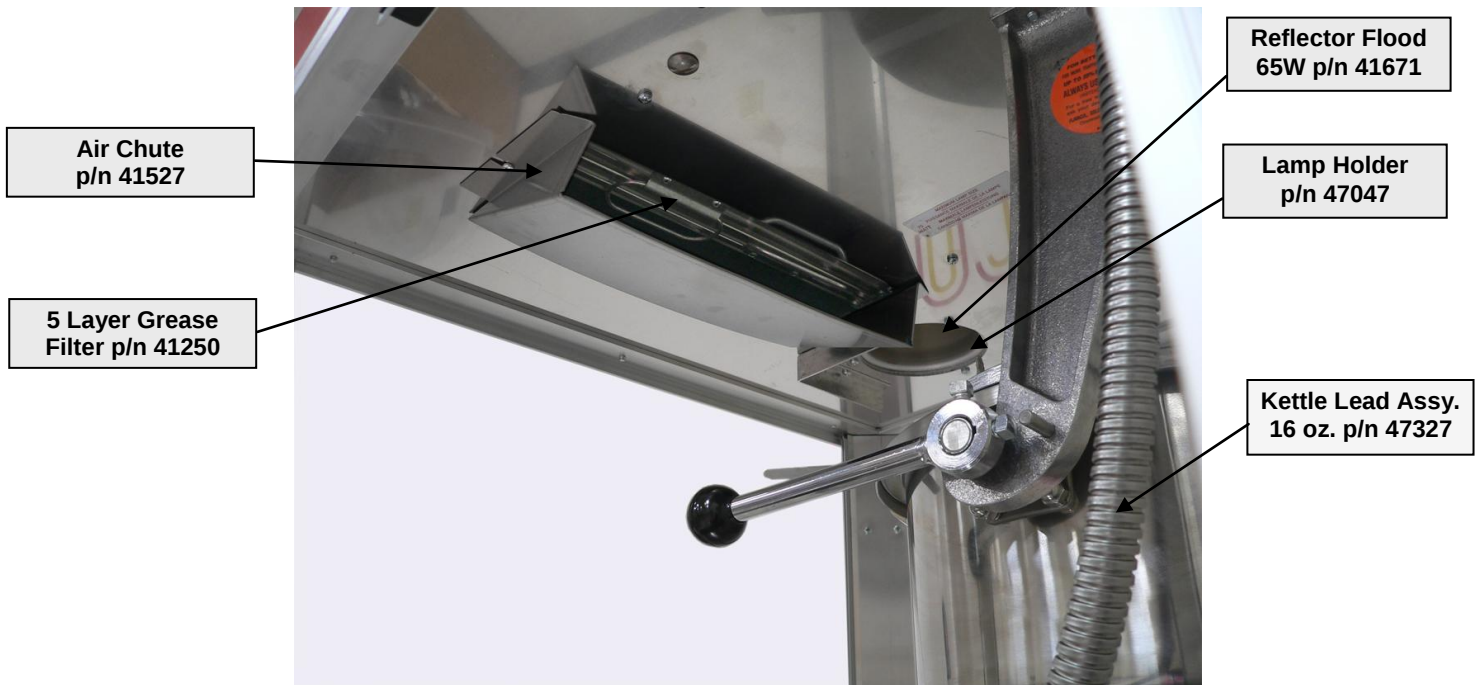
Parts Department
Gold Medal Products Co.
10700 Medallion Drive
Cincinnati, Ohio 45241-4807

or, place orders at:
(800) 543-0862
(513) 769-7676
Fax: (513) 769-8500
E-mail: info@gmpopcorn.com
Web Page: www.gmpopcorn.com

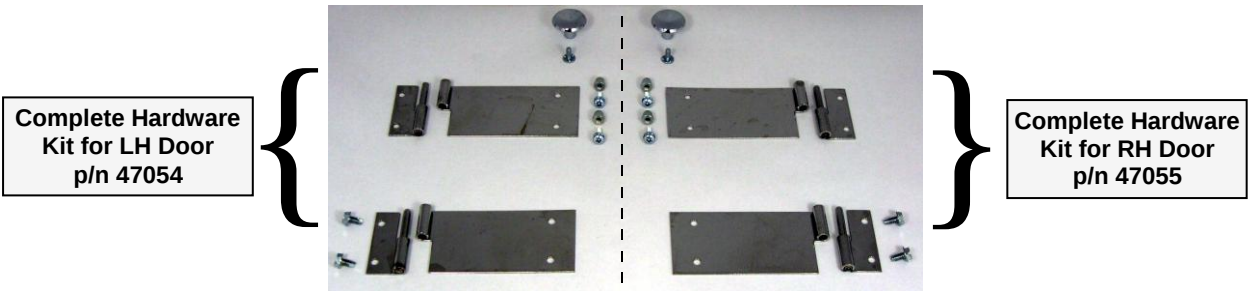
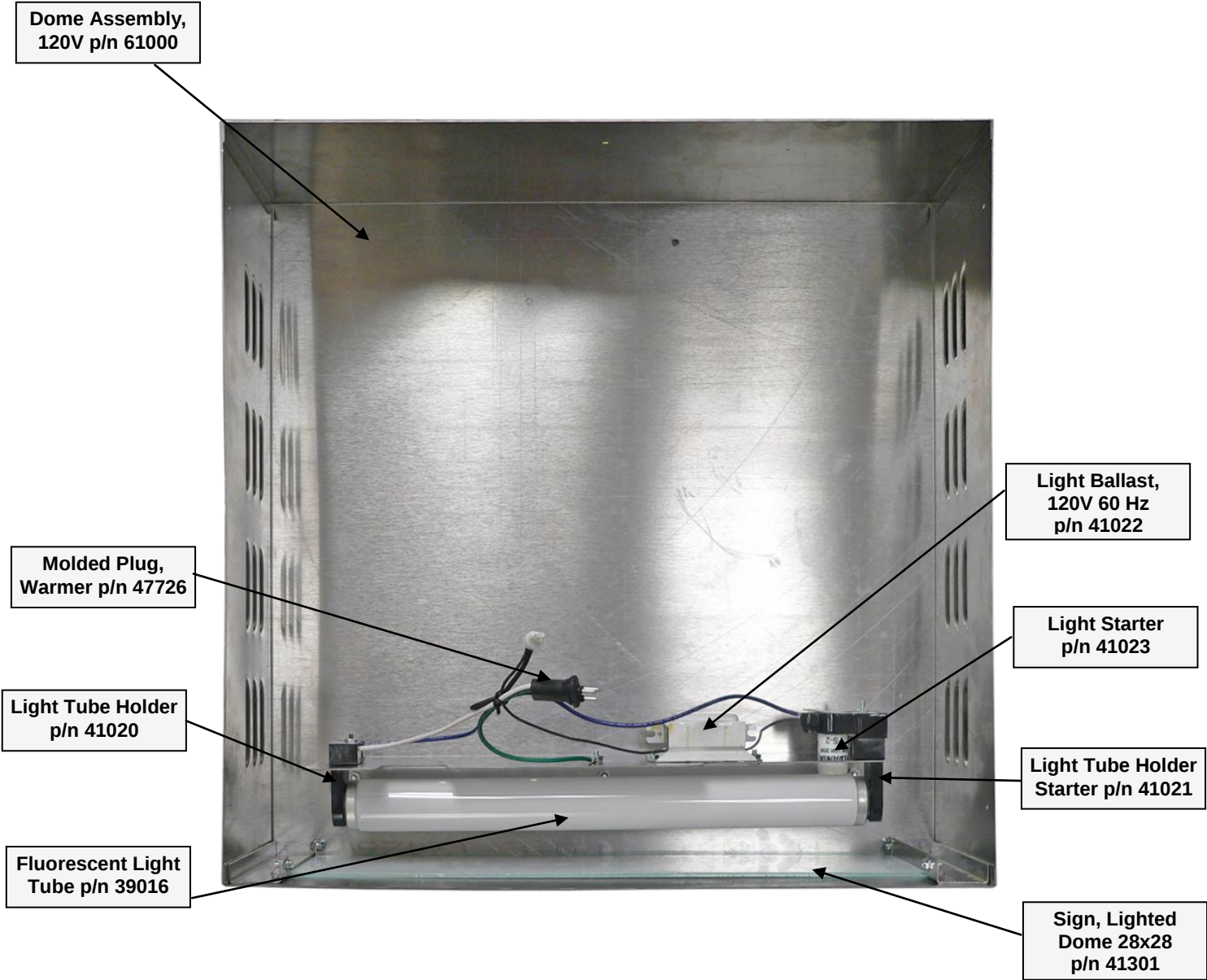
Cabinet Breakdown



Cabinet Interior – Ceiling Components

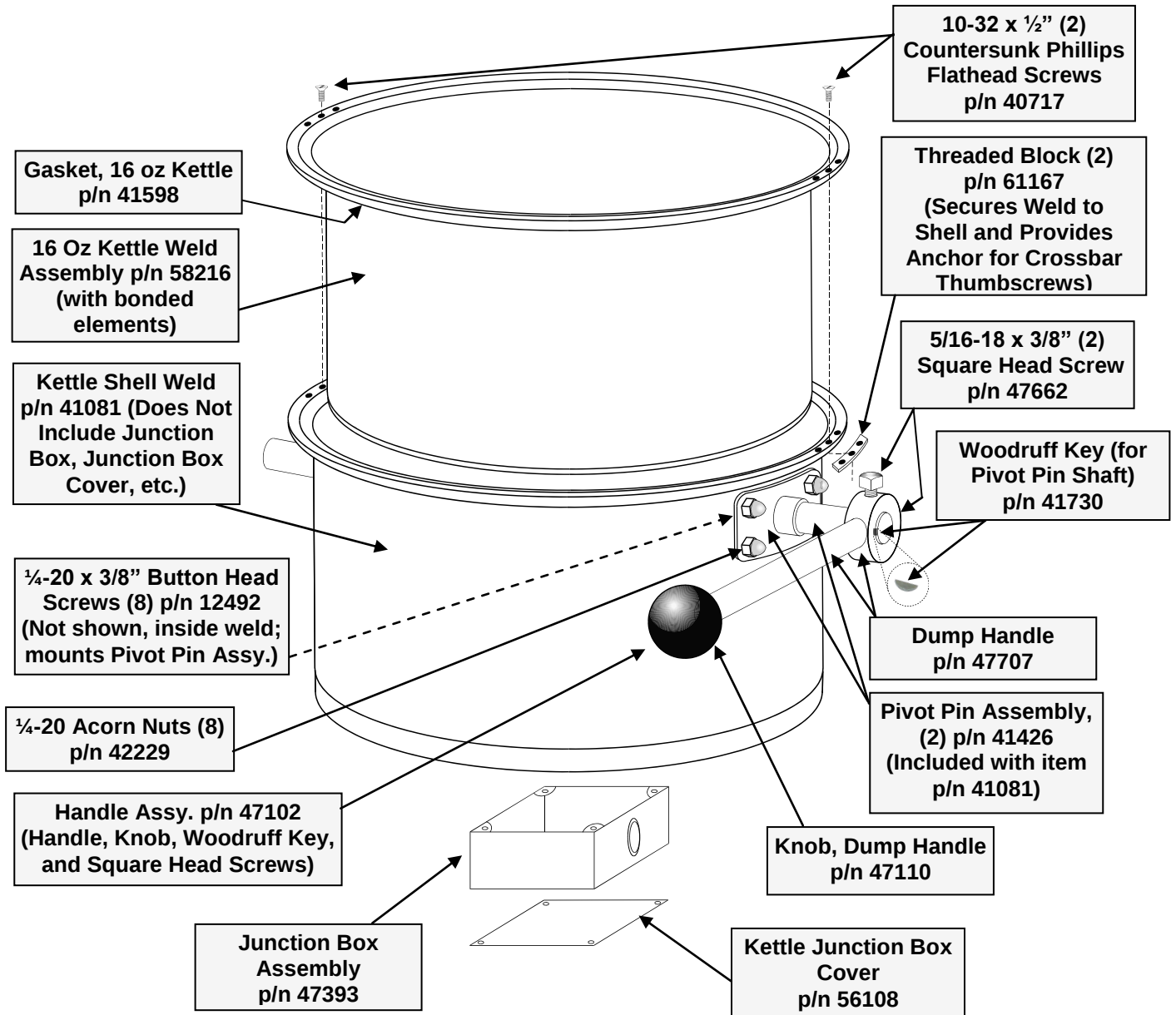


Dome Assembly (2024ST only)

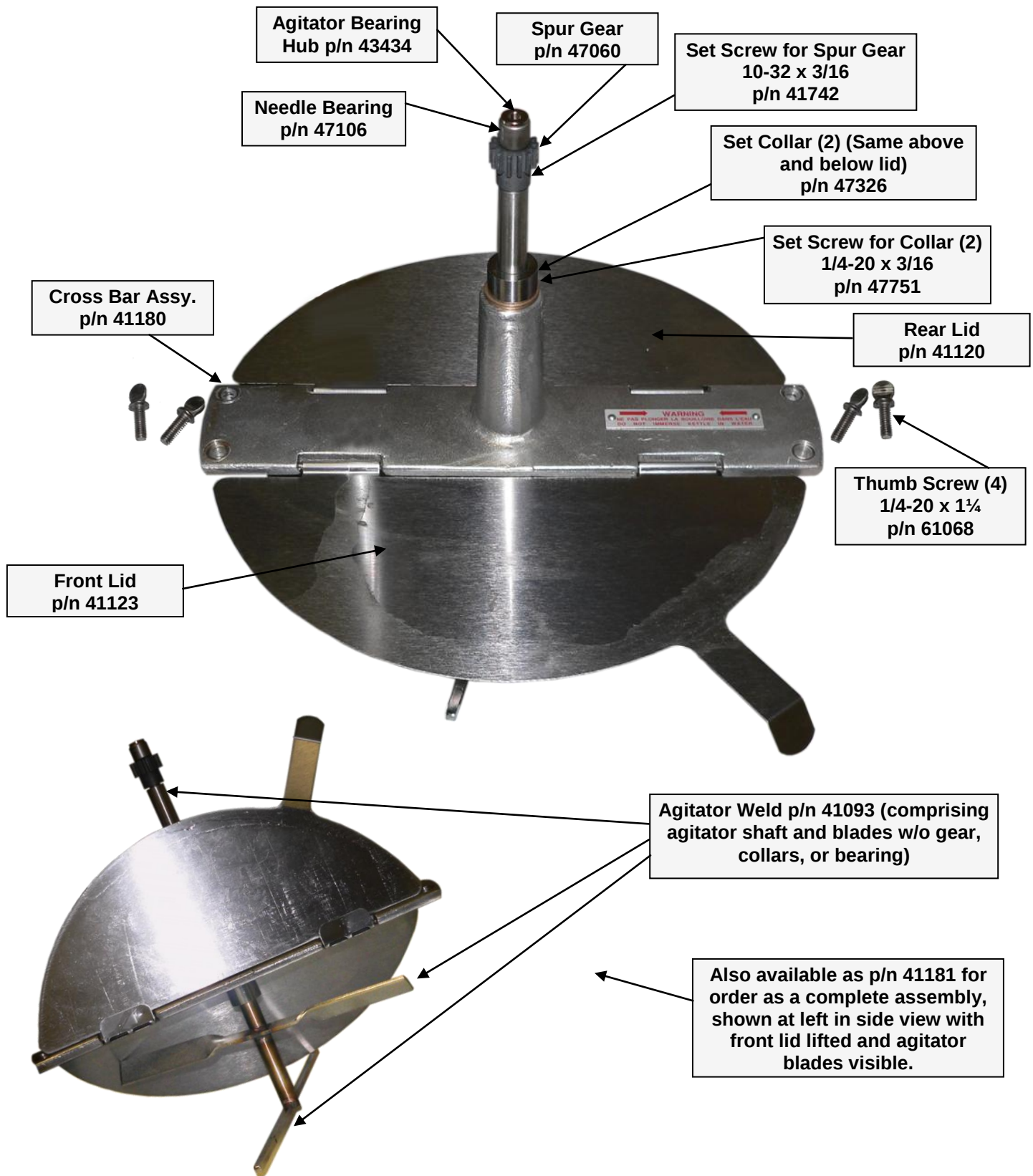


Door Hardware Kits

Kettle Shell Components



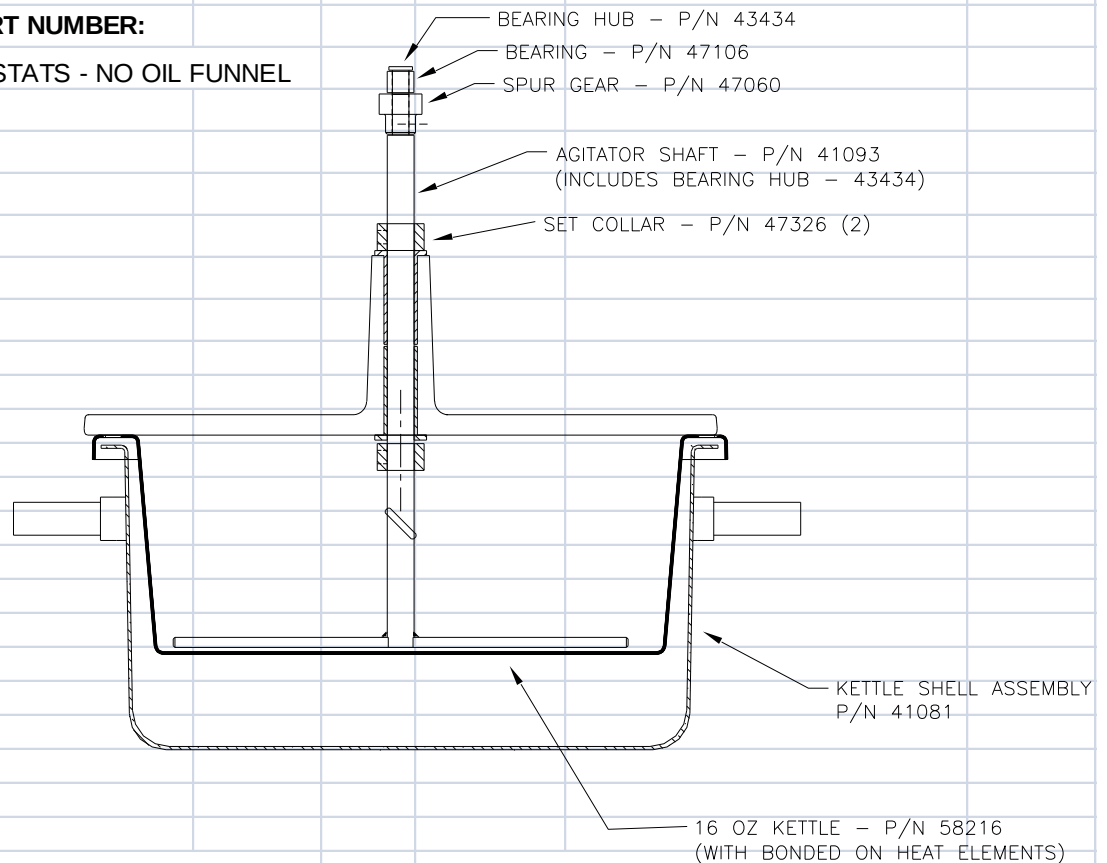
Lid And Agitator Assy.



Lid and Agitator Assembly

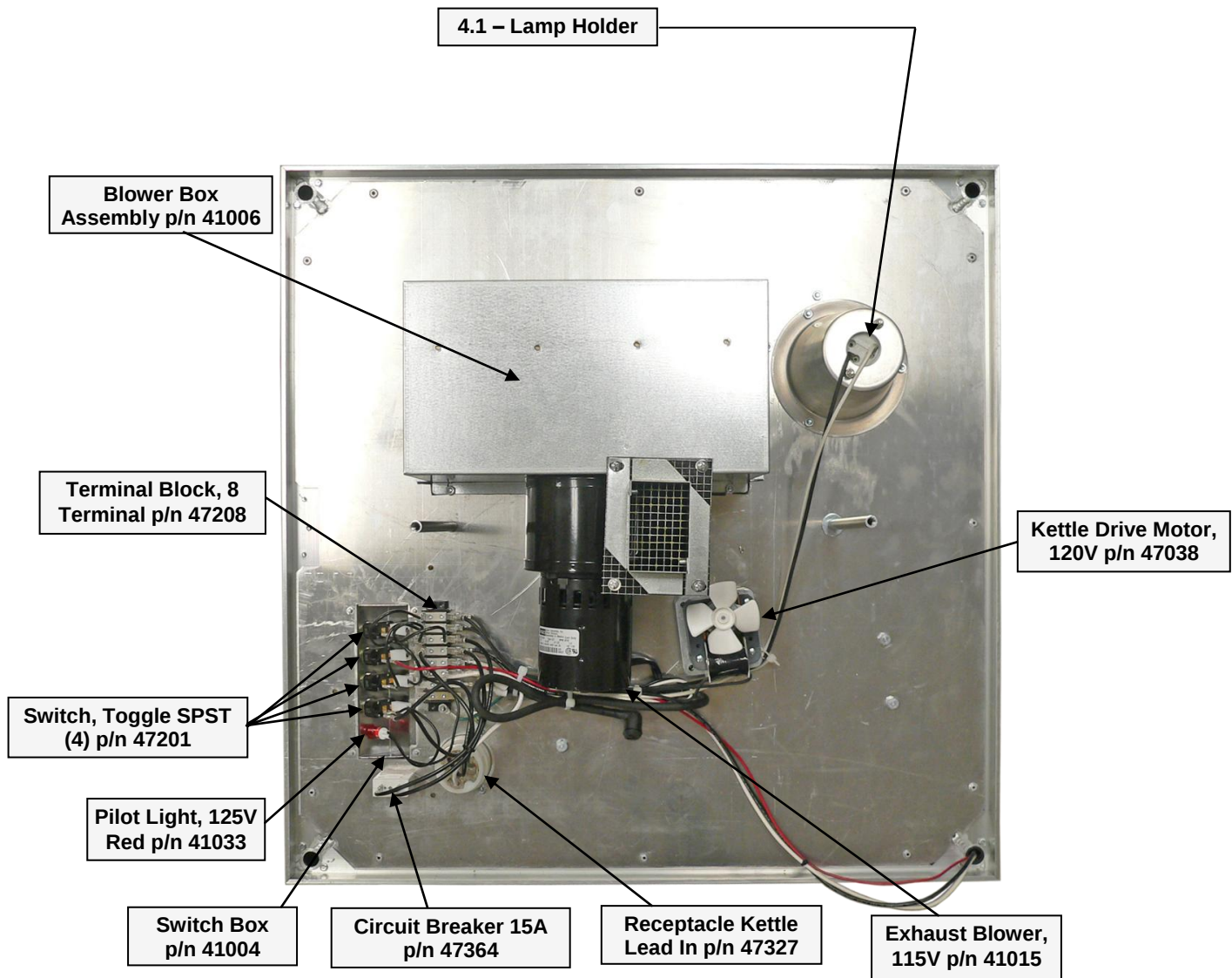
UNIMAXX 16 OZ KETTLE**KETTLE COMPLETE PART NUMBER:**

56100 120V - THERMOSTATS - NO OIL FUNNEL

**LID AND AGITATOR PARTS****KETTLE PARTS**

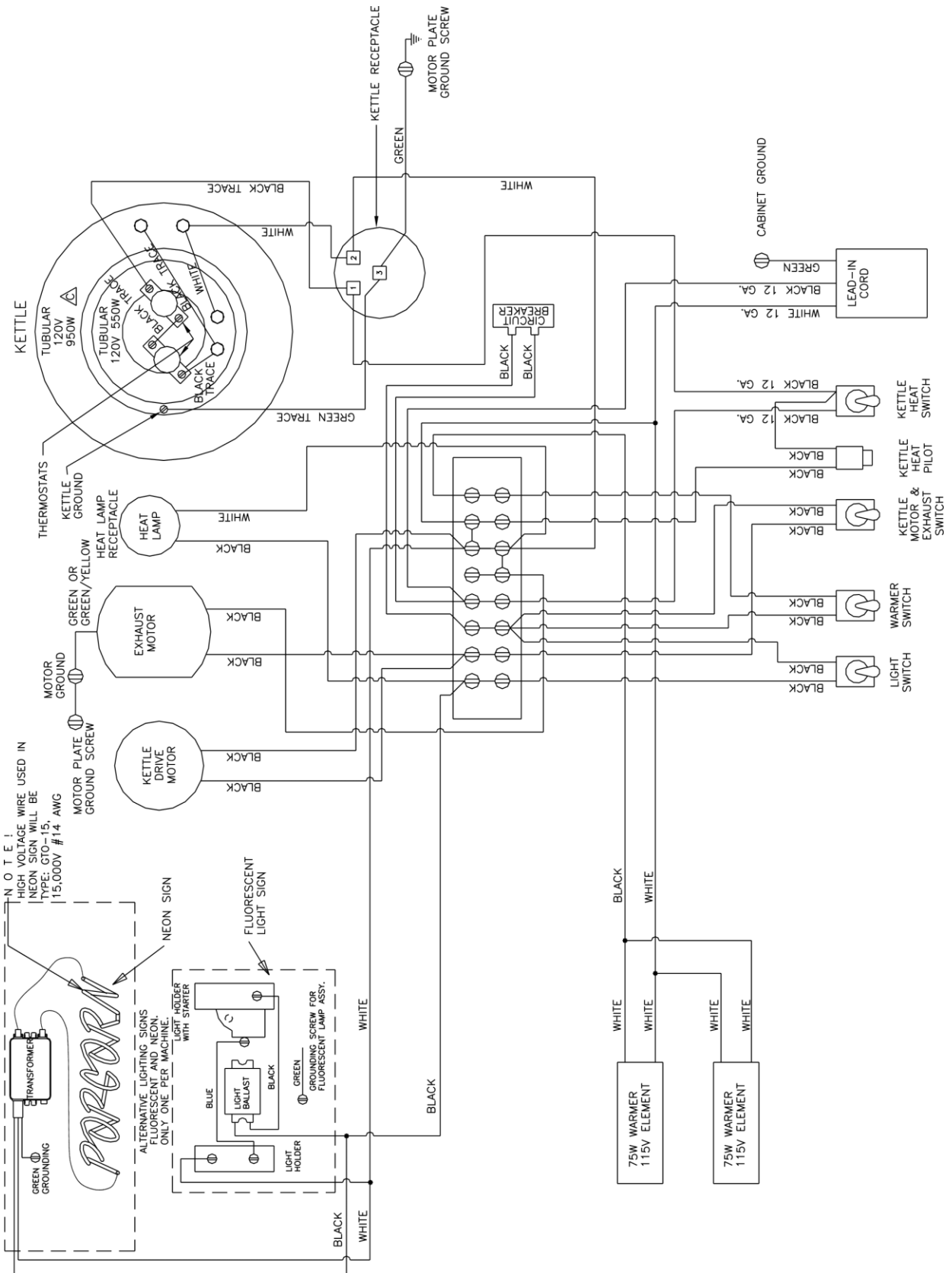
PART NUMBER	DESCRIPTION	QTY	PART NUMBER	DESCRIPTION	QTY
47102	DUMP HANDLE	1	58216	120V KETTLE W/ELEMENTS	1
47110	KNOB FOR DUMP HANDLE	1	58216EX	230V KETTLE W/ELEMENTS	1
47662	DUMP HANDLE SCREW	1	41081	KETTLE SHELL ASSEMBLY	1
41730	WOODRUFF KEY	1	41598	KETTLE GASKET	1
41120	REAR KETTLE LID	1	77864	THERMOSTAT SHUNT BAR	2
41123	FRONT KETTLE LID	1	76089	450F THERMOSTAT	1
47751	SET SCREW FOR 47326 COLLAR	3	76702	525F THERMOSTAT	1
47326	CLAMP COLLAR	3	89129	NUTS FOR THERMOSTATS	2
41180	CROSSBAR ASSEMBLY-NO OIL	1	62308	KETTLE LEAD ASSY- THERMOSTAT	1
41086	CROSSBAR ASSEMBLY-W/ OIL				
47097	BUSHING FOR CROSSBAR	2	62305	KETTLE LEAD ASSY- ELECTRONIC CONTROL	1
41239	OIL FUNNEL				
41093	AGITATOR SHAFT	1	82107-26	METAL FLEX CONDUIT	1
47060	SPUR GEAR	1			
47106	NEEDLE BEARING	1			
49701	RETAINING RING FOR BRG	1			
61068	1/4" X 1 1/4" THUMB SCREW	4			
40717	#10 X 1/2" FLAT HEAD SCREW	2			
61167	TAP BLOCK	2		ISSUED 1/18/08	
40717	#10 SCREW FOR TAP BLOCK	4			

Top - Motor Plate Assy.



Motor Plate 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.

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



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