

Grand & Twin Grand Pop-O-Golds 32oz.

Instruction Manual

Models #2848, #2860, #2861, #2872, #2873
Domestic, Export



 **GOLD MEDAL**[®]
FUNFOOD EQUIPMENT & 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 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

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

Note: Make sure to have all employees watch the Popper Set-Up Video, and read instruction manual thoroughly, before operating this machine. The video is located inside the corn bin, (Drawer in the base of the popper) along with the instruction manual.

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/208v or 120v/240v 60 Hz.

A 30 amp – 4 wire wall receptacle is shipped with each machine. This receptacle will accept the attachment plug on the popper and must be used. Your electrician must furnish sufficient current for proper operation of your machine. We recommend this popper be on a dedicated and circuit protected line. **Note:** The Pop-O-Gold “uses” both “hot to neutral” legs, 120v. The machine does not “use” the 208v or 240v, “hot to hot” connection.

Export models only: 230V, 50 Hz, 2 Phase.

Your electrician must furnish sufficient voltage levels, and current for proper operation of your machine. We recommend this popper be on a dedicated and circuit protected line. **(Note:** The export Pop-O-Gold “uses” two “hot to neutral” legs, 230V. The machine does not come pre-wired for the 380V, “hot to hot” connection. The machine is equipped with a 16 amp, 5 prong plug. One “hot” prong of the plug is not used.

| | |
|---|--|
|  | ⚠ 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. |

Fire Suppression models

Note: If equipped, fire suppression components are in accordance with ANSUL R-102 specifications. The Fire Suppression System is shipped empty; the machine will not operate until the System is charged and inspected by a local ANSUL Representative. System charging is not performed by Gold Medal Products.

| | |
|---|---|
|  | ⚠ CAUTION |
| | Any maintenance or service required on the Fire Suppression System must be performed by an Ansul Certified Technician. |

Support: Contact Gold Medal Products Technical Support with any questions regarding the Fire Suppression System.

Final Preparations



Your machine may be shipped with the kettle in place. If not, mount the kettle assembly in the hanger arms and plug in the kettle lead-in cord. Tighten the ring on the kettle lead-in plug.

Connect the clear oil line from the pump to the aluminum line from the popper with the supplied hose clamp. Connect the 6 pin connector from the popper to the receptacle on the oil pump. Both Bucket pump (2114E or 2114EX) and Bag-in-a-Box pump (2257 or 2257EX) have the same receptacle.

The Bag-in-Box oil pumps are pre-calibrated before leaving the factory, however, should the oil setting need to be adjusted – see page 8 of this manual.

To check for proper amount of oil, and assure oil is liquid, dispense a “shot” into the measuring cup that is provided with the machine.

Operating Instructions

Controls And Their Functions

Light Switch

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

Warmer Switch

Operates the forced air popcorn crisping system.

Kettle Heat Switch

Operates the heating elements in the popping kettle by supplying power to the Big Eye electronic temperature control. *On machines with a ventilation control circuit, the exhaust blower operates with the kettle heat switch.

Kettle Motor And Exhaust Switch

Operates both the kettle agitator motor, and the exhaust blower.

Oil System Master Switch

Sends power to the oil pump. (Either the Bucket Pump or Bag-in-a-Box models) The warmer/blower on the oil pump is activated, as well as the heated line kits (If provided / purchased separately). The warmer/blower on the oil pump will keep coconut popping oil liquid if the doors on the base are kept closed. It may be desirable to keep this switch on at night, if you have problems keeping the coconut oil liquid. Coconut oil will congeal at temperatures below approximately 76° F [24° C].

“Red” Oil Dispense Momentary Switch

When pushed, will dispense the pre-set amount of oil into the kettle.

Yellow Light & Audible Signal (Load/Dump Indicator)

Alerts the operator to:

1. Load the corn and oil *or*
2. Dump the popped corn from the kettle *or*
3. Turn off the kettle heat switch if they are done popping corn

Pass Thru Switches (If Equipped)

Has double switches for the kettle heat, motor, and oil on the front side and the operator side of popper.

Flexi-Pop Switch (If Equipped)

Changes energy to kettle for the load switch from 32 oz to 18 oz. It will automatically adjust the oil amount on the 2257D (2257DX export) and 2114ED (2114XD export) model of oil pump. The Blue light & larger cup are for the 32 oz and the red light and smaller cup are for the 18 oz.

Salt-Sweet Switch (If Equipped)

Changes the temperature to a lower setting for the sweet option.

Popping Corn (Standard)

1. Turn on all Switches (Except Flexi-Pop and Salt-Sweet if equipped.)
2. When popping with coconut oil, be sure the oil is liquid. Dispense oil into a measuring cup first (should be between 8 oz. to 10 oz.), and then use that oil for the first popping cycle.
3. When the kettle is ready (about 5-8 minutes), the Yellow Light and Audible Signal will turn on. Lift the kettle lid and pour in 32 oz. of corn (use the supplied large corn cup) and 2 tablespoons (29.6 cc) of Flavacol. Close lid.
4. Press the RED oil pump button. The proper amount of oil is pumped into the kettle. The Light and Signal will turn off.
5. When the popcorn has completed popping, the Light and Signal will turn on. Dump the Popcorn.
NOTE: The signal "To Dump" was factory set based on our popcorn and oil. If the signal occurs before or after the popping has stopped, the signal timing must be adjusted as described on page 15.
6. On the final kettle of corn, turn the "KETTLE HEAT" switch off, just as the lids are forced open by the popping corn. This saves electricity, and helps eliminate smoke and odor after you have stopped popping.

Popping Corn (Flexi-Pop - If Equipped)*

1. Turn on all Switches (Except Salt-Sweet if equipped.)
2. When popping with coconut oil, be sure the oil is liquid. Dispense oil into a measuring cup first (should be between 4.5 oz. to 6 oz.), and then use that oil for the first popping cycle.
3. When the kettle is ready (about 5-8 minutes), the Yellow Light and Audible Signal will turn on. Lift the kettle lid and pour in 18 oz. of corn (use the supplied smaller corn cup) and 1 tablespoons (14.8 cc) of Flavacol. Close lid.
4. Press the RED oil pump button. The proper amount of oil is pumped into the kettle. The Light and Signal will turn off.
5. When the popcorn has completed popping, the Light and Signal will turn on. Dump the Popcorn.
NOTE: The signal "To Dump" was factory set based on our popcorn and oil. If the signal occurs before or after the popping has stopped, the signal timing must be adjusted as described on page 15.
6. On the final kettle of corn, turn the "KETTLE HEAT" switch off, just as the lids are forced open by the popping corn. This saves electricity, and helps eliminate smoke and odor after you have stopped popping.

Popping Corn (Sweet - If Equipped)*

1. Turn on all Switches (Except Flexi-Pop if equipped.)
2. When popping with coconut oil, be sure the oil is liquid. Dispense oil into a measuring cup first (should be between 8 oz. to 10 oz.), and then use that oil for the first popping cycle.
3. When the kettle is ready (about 5-8 minutes), the Yellow Light and Audible Signal will turn on. Lift the kettle lid and pour in 32 oz. of corn (use the supplied corn cup.) Close lid. Wait approximately 30 – 45 seconds, then add 16 oz. of Glaze Pop or Sugar. When using sugar, we recommend the use of Compound “S” to help keep the kettle clean.
4. Press the RED oil pump button. The proper amount of oil is pumped into the kettle. The Light and Signal will turn off.
5. When the popcorn has completed popping, the Light and Signal will turn on. Dump the Popcorn.
NOTE: The signal “To Dump” was factory set based on our popcorn and oil. If the signal occurs before or after the popping has stopped, the signal timing must be adjusted as described on page 15.
6. On the final kettle of corn, turn the “KETTLE HEAT” switch off, just as the lids are forced open by the popping corn. This saves electricity, and helps eliminate smoke and odor after you have stopped popping.

Remember:

If the Yellow Load - Dump light is turned on and the Signal is sounding *one of the* following actions should be taken:

1. Load the corn and oil **or**
2. Dump the popped corn from the kettle **or**
3. Turn off the kettle heat switch if you are done popping corn

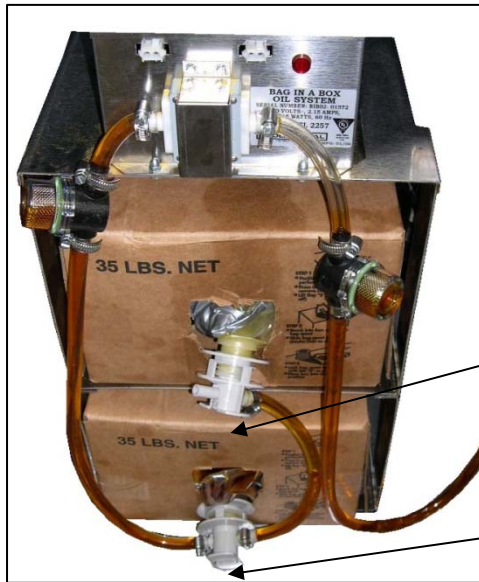
When you are finished popping, make sure “KETTLE HEAT” and “KETTLE MOTOR” switches are turned “OFF”.

Never Leave the Heat ON When You are NOT Popping!

*Note: If your machine is equipped with Salt-Sweet **and** Flexi-Pop options, and you wish to pop sweet popcorn in flexi mode, follow the instructions for popping sweet corn and turn on the Flexi-Pop switch. The amounts of corn and oil will be roughly half of the standard amount in flexi mode. Pop a few test batches until you have achieved the best results, adjusting the amounts to until you reach your desired quality of popcorn.

Setting the Amount of Popping Oil with a Gold Medal BIB System

In March 2003, we introduced the model 2257 and 2257EX with the E-Z Set control.



Note: Bag-In-A-Box units are manufactured with a single bag connector. For a Daisy chain connection be sure to connect the bag connectors as shown in the picture to the left.

The dead-leg connector (With only one hose connected to it) must be installed on the top box.

The Pass-thru connector (With two hoses connected to it) must be installed on the bottom box.

With this system, it is not necessary to set a timer. To adjust the oil amount, follow these instructions:

Holding down the RED *Oil Dispense* push button (on the popper) while turning on the *Oil System Master* switch (on the popper), **and continuing to hold the RED *Oil Dispense* button in for 5 seconds**, puts the unit in the program mode.

When in the program mode press and release the oil *Dispense* switch to start the oil flowing. When the correct amount of oil has been dispensed into the measuring cup, push the oil *Dispense* switch again to stop the oil flow. The oil amount can be “topped off” by pushing the oil *Dispense* switch on/off as many times as needed to finalize the oil amount. Turning the *Oil System Master* switch off and then back on puts the unit in the regular mode. The unit will now dispense the “programmed” amount of oil when the oil *Dispense* switch is pushed. The oil light will light only when the oil pump is on.

You will need to perform this procedure with the oil lines full of oil. Otherwise, you are setting both the amount of oil that goes in the kettle and the amount of oil required to fill the lines. Just fill the lines using the process above, then reset the amount as described above.

NOTES:

Model 2257D and 2257DX has the capability of “remembering” two different settings for poppers with the “Salt/Sweet” option or “Flexi-Pop” option.

- For Salt/Sweet models, just put the switch in the “salt” position, and set the oil amount as described above. Then put the switch in the “sweet” position and repeat the setting procedure. The pump will remember both settings.
- For Flexi-Pop models, just put the “Load” switch in one position, 32oz. for example, then set the oil amount. Then put the load switch in the other position, 18oz. for example. And repeat the setting procedure.
- Model 2457 is the heated line option for the 2257 and 2257EX pump.

Preventing and Troubleshooting Oil Delivery Issues

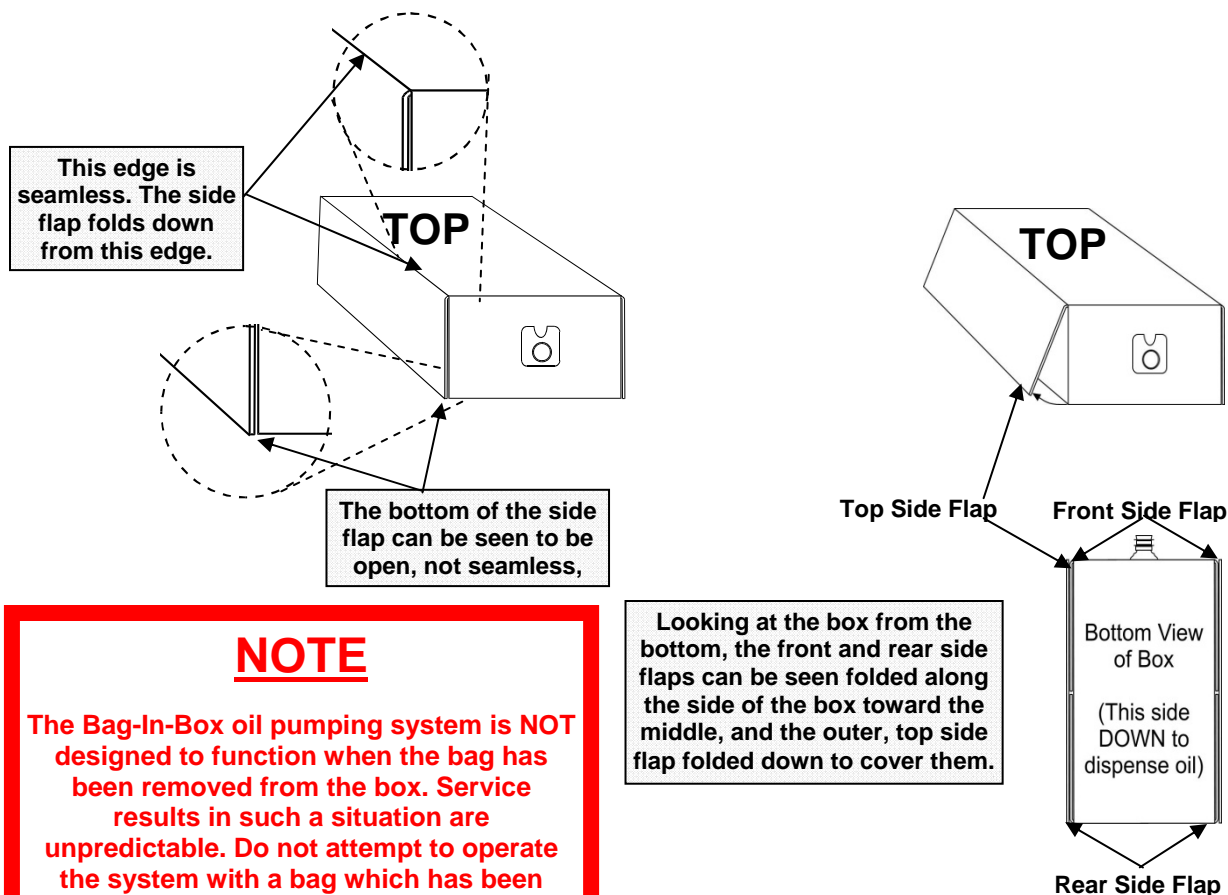
It may occur at times that the Bag-In-Box oil pumping system does not deliver oil to the kettle, or delivers it in incorrect amounts. This section is intended to list the most common causes of these problems, and the procedures necessary to prevent and, if necessary, correct them.

Oil Temperature – Coconut oil becomes a solid at temperatures above the average room temperature.

For this reason, it is necessary to ensure that the oil has been permitted to come to working temperature before attempting to pump it through the system. If the machine has not been used for several days, the oil master switch should be turned on the night before it is expected that the machine will be used. For machines which are in daily use, even if not round the clock, **leave the oil master switch on at all times, and keep the base cabinet doors closed**, to prevent the oil from becoming solid.

Bag-In-Box Mounting – Because the bag's dispensing connector is offset toward the bottom of the box, to permit free oil flow and complete emptying of the oil from the bag, the box should never be mounted upside down. Most boxes supplied will be clearly marked as to which side should be up during dispensing. (Note that in some cases the box is intended to be stored with one side up, but to be turned and used in dispensing with the other side up.) Be sure to double check to ensure that the box is mounted in the correct dispensing orientation.

You may encounter boxes with no clear markings to indicate dispensing orientation. A reliable guide in this case (and also for those boxes which are marked), is the direction that the top side flap of the corrugated box is folded. When the box is properly mounted for dispensing, the top side flap will fold down from the top edge of the box, so that if one were to attempt to separate the flap it would be necessary to pull up from the bottom edge. See the illustrations below.



Bag and Hose Connector Issues – There are two different types of dispensing nozzles employed on the Bag-In-Box oils, as well as two different types of connectors installed on the oil pumping system hoses which connect to the bag’s dispensing nozzles. The particular combination of connectors in your system will determine the appropriate method for connecting the Bag-In-Box oil bag to the system hosing. These combinations will be illustrated and explained in the following section.

Bag Dispensing Nozzle – Blue Insert



Bag dispensing Nozzle – White Insert



Blue Insert Bag Nozzle with Blue/White Hose Connector



1. With the blue collar on the hose connector retracted toward crosspiece, slide hose connector shell onto bag nozzle.



2. Holding the bag nozzle behind the flange, slide the blue collar forward to lock the hose connector onto the bag nozzle.



3. Connector shown with shell correctly engaged and collar forward in lock position.

White Insert Bag Nozzle with Blue/White Hose Connector



4. Place fingers behind flange and use thumbs to slide the crosspiece forward into the nozzle. Oil flow is initiated.



1. With the blue collar on the hose connector retracted toward crosspiece, slide hose connector shell onto bag nozzle.

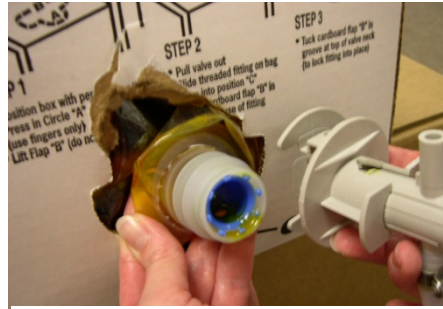


2. Holding the bag connector, slide the blue collar forward to lock the hose connector onto the bag nozzle.

Blue Insert Bag Nozzle with Gray Hose Connector



3. Connector shown with shell correctly engaged and collar forward in lock position. Oil flow commences. **Do not slide crosspiece forward.**



1. Grasp the bag nozzle and slide the gray hose connector on from the side.



2. With the hose connector in place, place fingers behind flange on connector and press plunger forward to lock.

White Insert Bag Nozzle with Gray Hose Connector



3. Connector shown with shell correctly engaged and plunger forward in lock position. Oil flow commences.



1. Grasp the bag nozzle and slide the gray hose connector on from the side.



2. With the hose connector in place, place fingers behind flange on connector and press plunger forward to lock.




3. Connector shown with shell correctly engaged and plunger forward in lock position. Since the White Insert Bag Nozzle is not designed to work with the insert pressed forward, this configuration may or may not work. If it does not, remove the gray hose connector and order the blue hose connector from Gold Medal.



NOTE: If the oil does not flow after engaging plunger on gray hose connector, or if the crosspiece is inadvertently pushed forward when using the blue hose connector with the white insert nozzle, the nozzle center slider insert will be left pushed back into the bag, as shown above left.

To correct this, place fingers behind nozzle as shown above right. You will feel the center slider protruding slightly into the bag. Holding the nozzle body from the front, press the slider from the back side of the nozzle until it snaps outward into its correct position. The nozzle is now ready to be used with a blue hose connector.

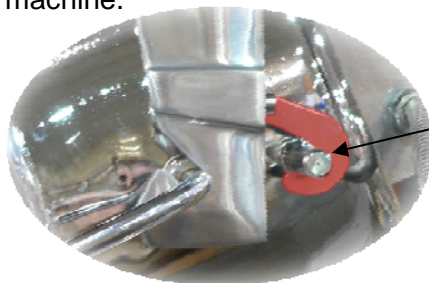
Cleaning Instructions

| | |
|---|--|
|  | <p style="text-align: center;">⚠ DANGER</p> <p>Never immerse the kettle in water. This will ruin the electrical components and automatically void the warranty.</p> |
|---|--|

DAILY:

Clean the Kettle

1. Under no circumstances should the kettle be removed from the machine for cleaning, nor should excessive water be used to wipe down the kettle lead-in cord. Severe kettle damage will result.
2. 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.
3. Every night, mix Heat'n Kleen solution (Gold Medal item number 2095) - 2 tablespoons per gallon of water. Do not use the entire gallon at once. Only use enough to fill the kettle a ½" deep. Turn on the kettle heat. When the water starts to boil, turn off the heat and let it work overnight.
4. The next morning, dump the solution into a bucket and wipe the inside of the kettle with a cloth.
5. A CLEAN-IN-PLACE hook is located behind the operator side kettle support arm. Just tilt the kettle to the dump position, and swing the hook into position to hold the kettle in the dumped position. This feature will safely enable you to clean the kettle, without removing it from the machine.



CLEAN-IN-PLACE Hook
(NOTE: Color added for clarity of illustration purposes only.)

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 and clean the 1st stage mesh filter. Cover removal not required. Clean filter in warm soapy water.
3. Ammonia cleaners will damage the plastic doors. **Use only non-ammonia cleaners, such as Gold Medal's – Watchdog Glass Cleaner – item number 2588.**

WEEKLY:

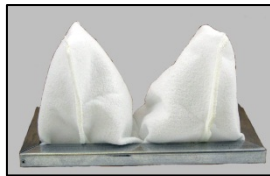
Clean the filters in the popcorn machine

1. Loosen the 2 screws (no tools required), on the filter cover plate on the ceiling inside the popper. Remove the cover, the bag and mesh filters. Clean the bag filter and the mesh filters in warm soapy water. Let dry overnight and reinstall.




CAUTION: Keeping the filters clean is important to let the exhaust system “do its job”.

2. Check the condition of the clear lines on the oil system and tighten or replace as required.
3. Clean the foam filter on the warmer cover (see pg 23) with warm/soapy water – allow to air dry overnight, then reinstall.

| Item No. | Part No. | Description |
|-----------------|-----------------|--|
| 1 | 41250 | Metal mesh filter (x2) |
| 2 | 41169 | Oil Mist Bag Filter |
| 3 | 82015 | Filter Pack (Includes all three filters) |



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> |

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 for each leg, with kettle turned on, must be at least 110v. (Domestic models)
- 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, and the circuit breakers are not tripped. Make sure all electrical connections are tight.

- A. **Kettle Heat Switch** - Check the voltage to and from the “KETTLE HEAT” switch, and if the switch is defective replace it.
- B. **Control** - A defective thermocouple lead will cause the kettle not to heat. Check for good connections from the kettle to the control.
- C. **Power Relays** – Check to see if the two power relays operate. Both relays should operate with the kettle heat switch on. If the relays do not both operate, look at the status of the LED’s on the heat control PCB.
 - Green LED “on” – power is going to the heat control (kettle heat switch is on.)
 - Probe LED “on” – one or both thermocouples are open or not properly connected to the heat control board.
 - Limit LED “on” – normal operation. The limit power relay should be “picked up”.
 - Heat LED “on” – normal operation. (If the kettle temperature is at or above set point, LED will be off) The heat power relay should be “picked up”
 - Alarm LED “off” – normal operation. The LED turns on when the kettle reaches the set dump temperature.

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.

Oil Pump Does Not Deliver Oil To Kettle

If the pump is operating but oil is not dispensed, the oil may be solid in the oil lines. If the pump is not operating see the pump manual for instructions.

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

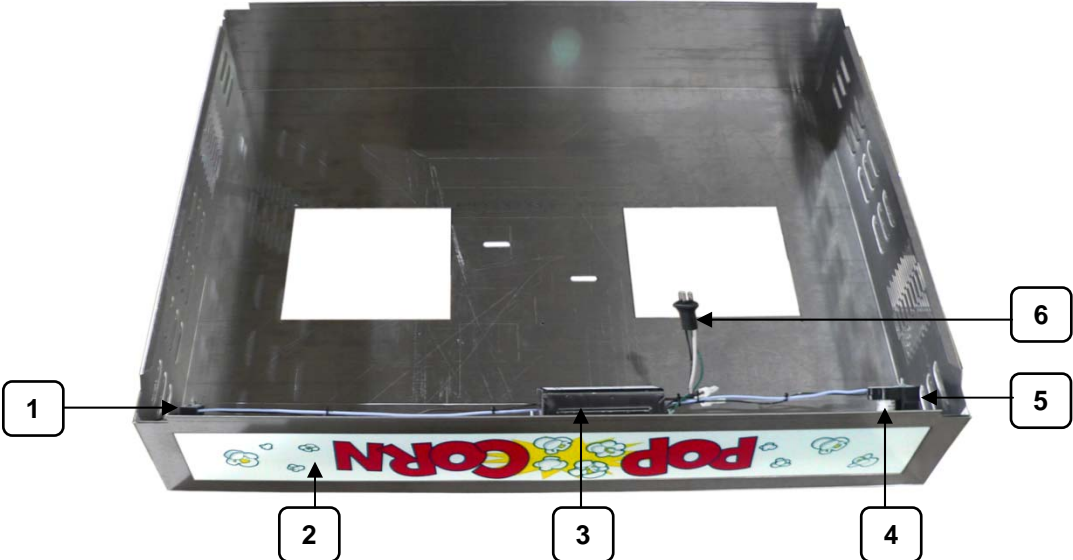
(513) 769-7676

Fax: (513) 769-8500

E-mail: info@gmpopcorn.com

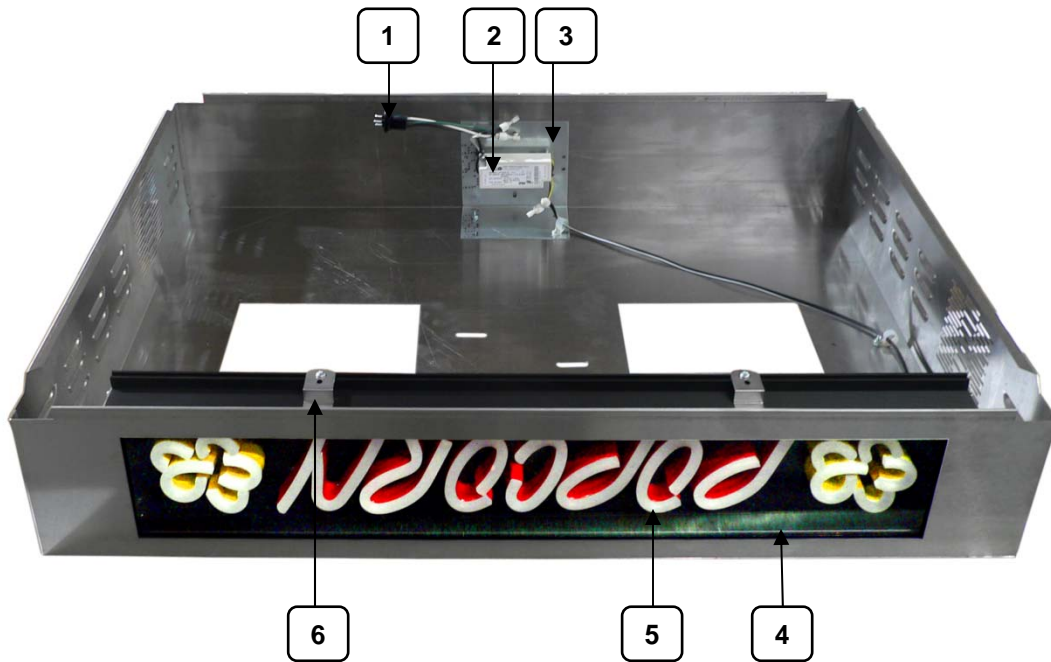
Web Page: www.gmpopcorn.com

Dome Assembly, Fluorescent Light



| Item | Part No. | Description |
|------|----------|---|
| 1 | 41020 | Light Tube Holder |
| 2 | 82473 | Sign Glass with Graphics (48" & 60" Base) |
| | 82719 | Sign Glass with Graphics (72" Base) |
| 3 | 82109 | Light Ballast (48" & 60" Base) |
| | 82414 | Light Ballast - Export (48" & 60" Base) |
| | 48777 | Light Ballast (72" Base) |
| 4 | 41508 | Starter (48" & 60" Base) |
| 5 | 41021 | Light Tube Holder for Starter |
| 6 | 47726 | Molded Plug |

Dome Assembly, LED/Neon Light



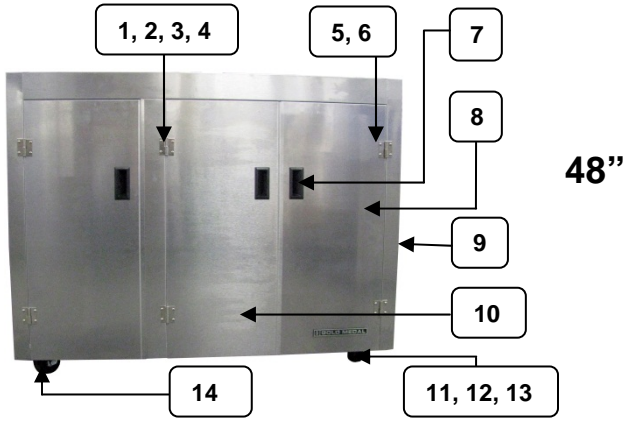
| Item | Part No. | Description |
|------|----------|--|
| 1 | 47726 | Molded Plug |
| 2 | 55231 | 12 Volt Power Supply |
| 3 | 55233 | Power Supply Bracket Assy |
| 4 | 67418 | Clear Sign Cover (included with 67524) |
| 5 | 67524 | LED Sign Assembly Complete |
| 6 | 67488 | Sign Brackets (x2) |

Dome Assembly, LED



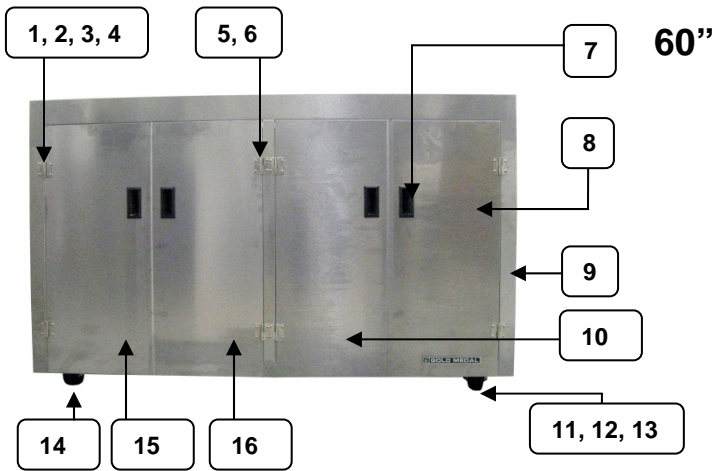
| Item | Part No. | Description |
|------|----------|-------------------------|
| 1 | 82473 | Popcorn Sign w/Graphics |
| 2 | 55350 | 24V/25W Power Supply |
| 3 | 47726 | Molded Plug |
| 4 | 55379 | LED Strip (x3) |

Exterior Base Components



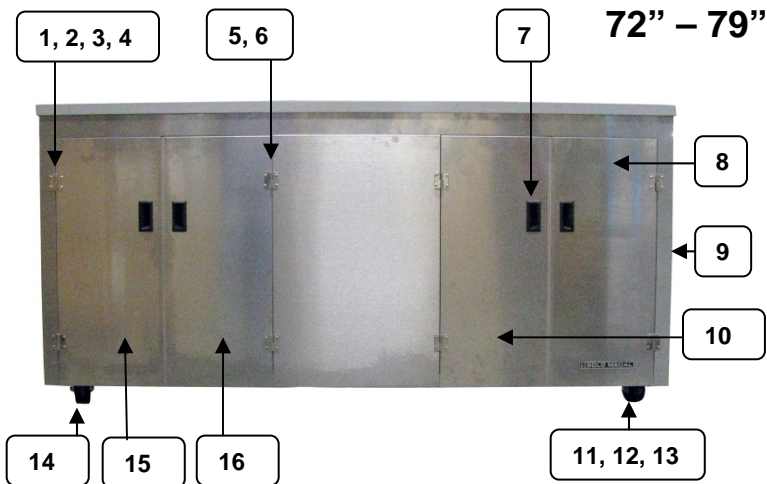
48"

| Item | Part No. | Description |
|------|----------|--------------------------------------|
| 1 | 41349 | Male Hinge Short Left |
| 2 | 41355 | Female Hinge Left |
| 3 | 42226 | Hinge Screw (2/Hinge) 8-32x1/2" |
| 4 | 74146 | Hinge Nut (2/Hinge) 8-32 |
| 5 | 41350 | Male Hinge Short Right |
| 6 | 41354 | Female Hinge Right |
| 7 | 82698 | Flush Mount Handle |
| 8 | 82812 | Right Door w/o Facing Strip |
| 9 | 67804 | Snap Bushing |
| 10 | 82648 | Left Door w/Facing Strip |
| 11 | 70042 | NSF Swivel Caster w/Lock (Door Side) |
| 12 | 46638 | Caster Screw (4/Caster) 5/16-18x1/2" |
| 13 | 49317 | Caster Nut (4/Caster) 5/16-18 |
| 14 | 70023 | Swivel Caster w/o Lock |



60"

| Item | Part No. | Description |
|------|----------|--------------------------------------|
| 1 | 41349 | Male Hinge Short Left |
| 2 | 41355 | Female Hinge Left |
| 3 | 42226 | Hinge Screw (2/Hinge) 8-32x1/2" |
| 4 | 74146 | Hinge Nut (2/Hinge) 8-32 |
| 5 | 41350 | Male Hinge Short Right |
| 6 | 41354 | Female Hinge Right |
| 7 | 82698 | Flush Mount Handle |
| 8 | 82812 | Right Door w/o Facing Strip |
| 9 | 67804 | Snap Bushing |
| 10 | 82648 | Left Door w/Facing Strip |
| 11 | 70042 | NSF Swivel Caster w/Lock (Door Side) |
| 12 | 46638 | Caster Screw (4/Caster) 5/16-18x1/2" |
| 13 | 49317 | Caster Nut (4/Caster) 5/16-18 |
| 14 | 70023 | Swivel Caster w/o Lock |
| 15 | 82017 | Left Door w/o Facing Strip |
| 16 | 82020 | Right Door w/Facing Strip |



72" - 79"

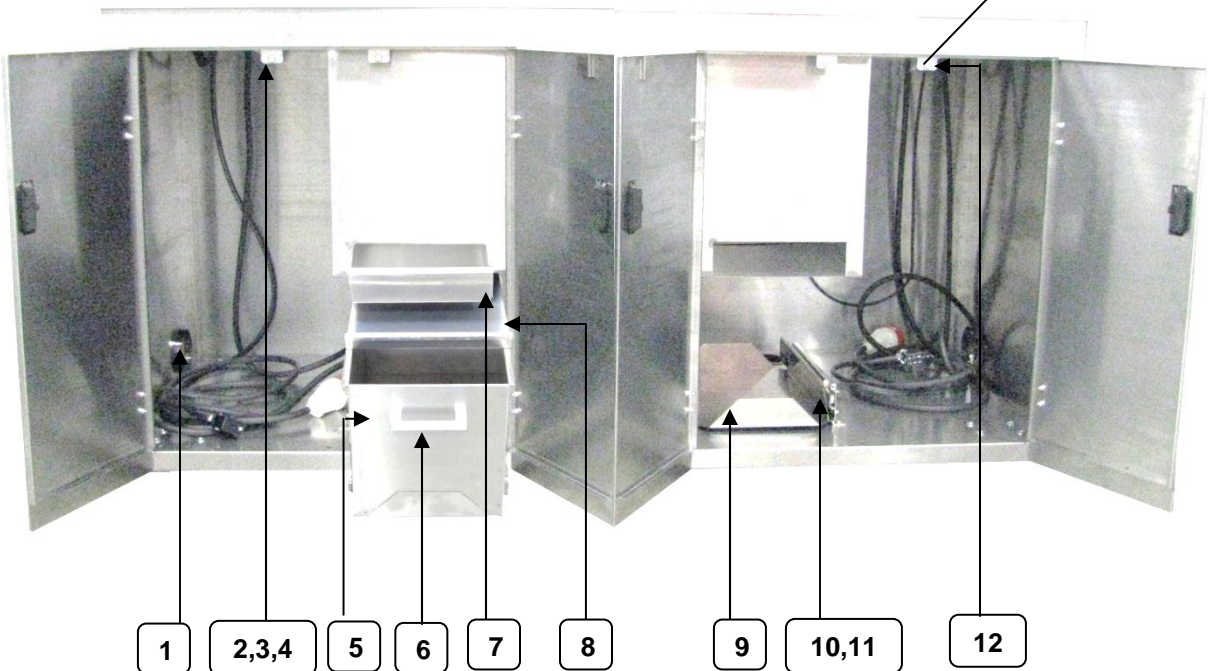
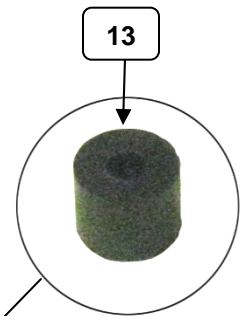
| Item | Part No. | Description |
|------|----------|--------------------------------------|
| 1 | 41349 | Male Hinge Short Left |
| 2 | 41355 | Female Hinge Left |
| 3 | 42226 | Hinge Screw (2/Hinge) 8-32x1/2" |
| 4 | 74146 | Hinge Nut (2/Hinge) 8-32 |
| 5 | 41350 | Male Hinge Short Right |
| 6 | 41354 | Female Hinge Right |
| 7 | 82698 | Flush Mount Handle |
| 8 | 82812 | Right Door w/o Facing Strip |
| 9 | 67804 | Snap Bushing |
| 10 | 82648 | Left Door w/Facing Strip |
| 11 | 70042 | NSF Swivel Caster w/Lock (Door Side) |
| 12 | 46638 | Caster Screw (4/Caster) 5/16-18x1/2" |
| 13 | 49317 | Caster Nut (4/Caster) 5/16-18 |
| 14 | 70023 | Swivel Caster w/o Lock |
| 15 | 82017 | Left Door w/o Facing Strip |
| 16 | 82020 | Right Door w/Facing Strip |



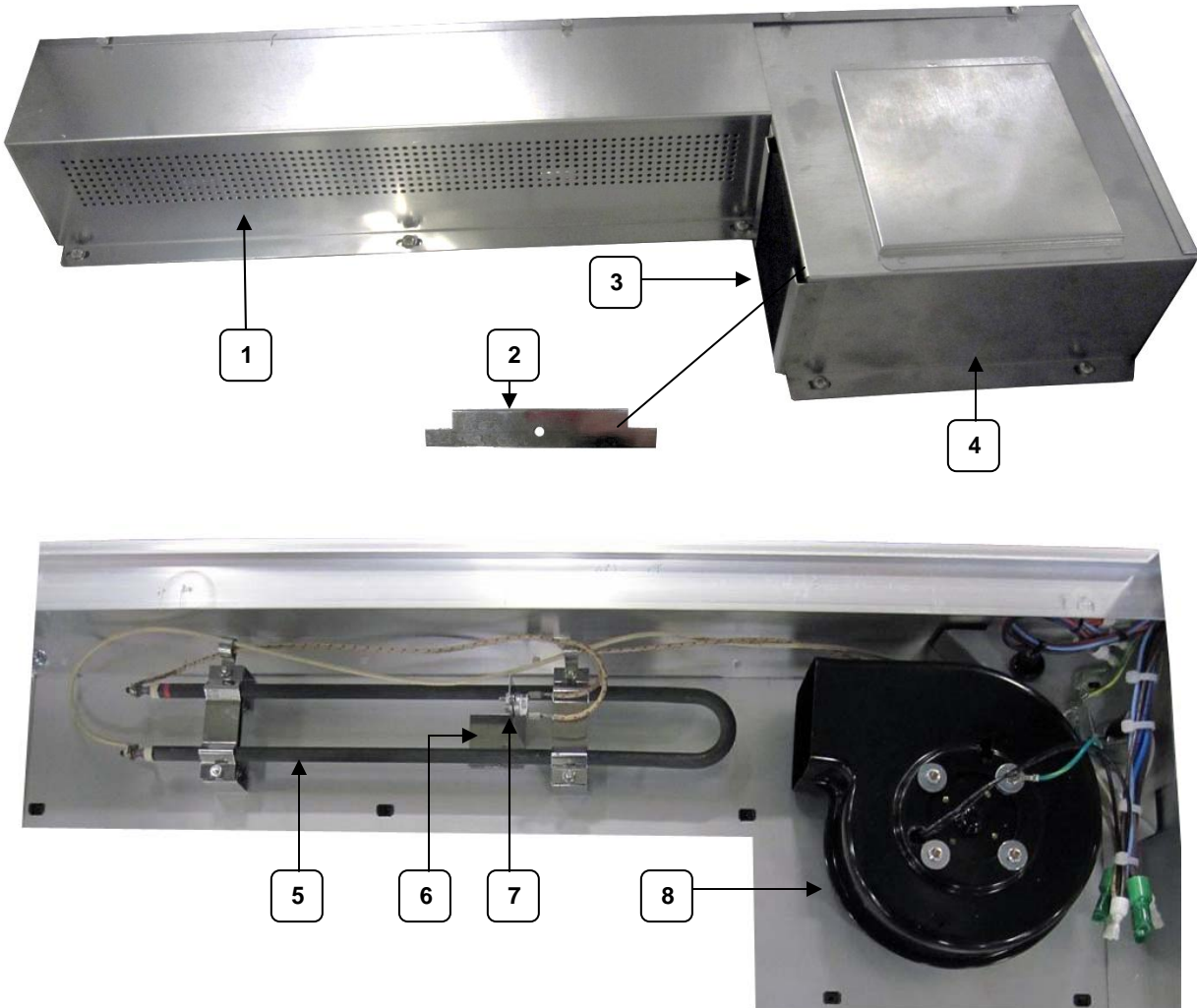
Back Panel
48" Cabinet – P/N 17015
60" Cabinet – P/N 17009
72" Cabinet – P/N 17016
79" Cabinet – P/N 17048

Interior Base Components

| Item | Part No. | Description |
|------|----------|--|
| 1 | 67804 | Snap Bushing |
| 2 | 50013 | Magnet |
| 3 | 20065 | #8-32x3/8" Screw |
| 4 | 47702 | Acorn Nut 8-32 |
| 5 | 82031 | Corn Bin Assy. |
| 6 | 67069 | Handle |
| 7 | 62092 | Old Maid Pan |
| 8 | 82102 | Lid Corn Bin |
| 9 | 82035 | Corn Bin Retainer Assy. |
| 10 | 46511 | Drawer Slide - Right Hand |
| 11 | 46512 | Drawer Slide - Left Hand |
| 12 | 83050 | Door Catch Bracket |
| 13 | 68115 | Magnet Spacer (Installed April 2012 & Later) |
| 14 | 47125 | #8-32x3/4" Phil Flat M/S Zinc |



Warmer – Exterior / Interior Parts

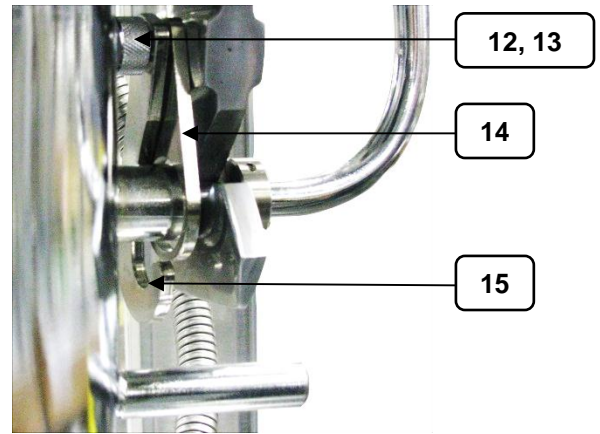
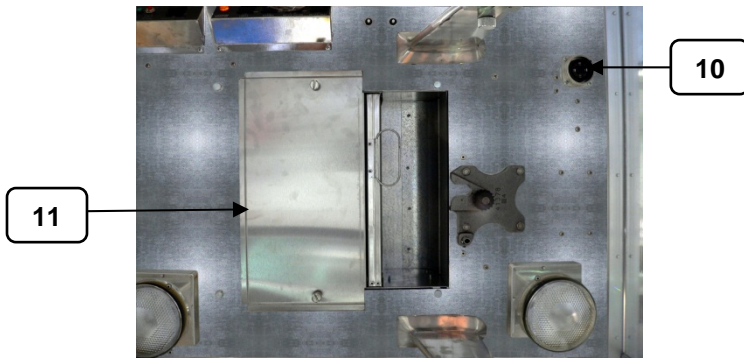
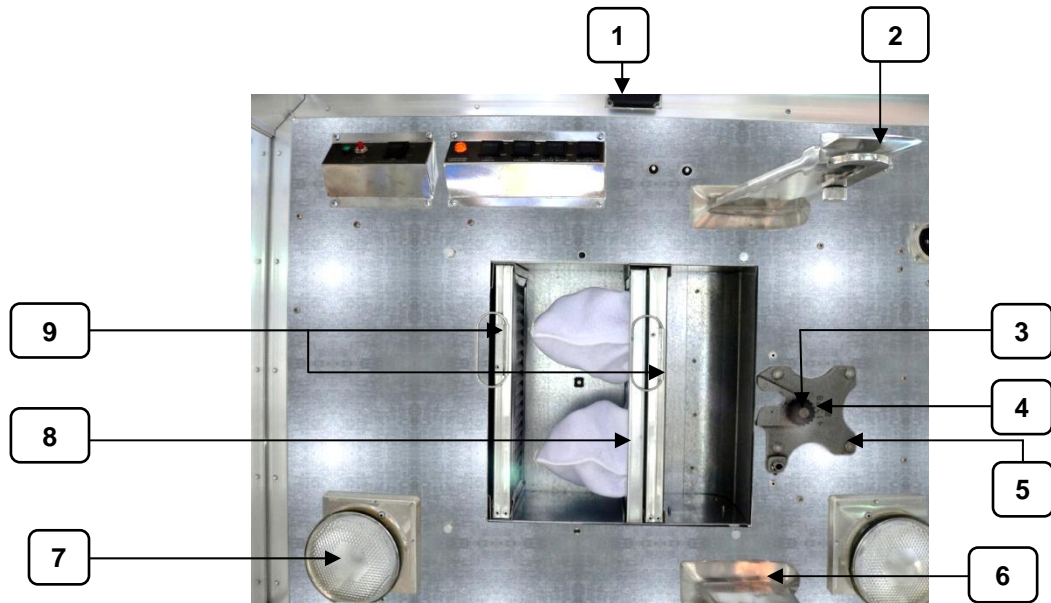


Complete Assembly Available – 62904 (Domestic) 69204EX (Export)

| Item | Part No. | Description |
|------|----------|------------------------------------|
| 1 | 61139 | Diffuser Cover |
| 2 | 63634 | Filter Retainer |
| 3 | 63633 | Filter (Pack of 5 Filters) |
| 4 | 62158 | Blower Cover |
| 5 | 61128 | 800 Watt Tubular Element* |
| | 61135 | 800 Watt Tubular Element* (Export) |
| 6 | 55500 | Thermostat Mounting Bracket |
| 7 | 55496 | Thermostat |
| 8 | 61123 | Blower Motor, 115V 50/60 |
| | 61124 | Blower Motor (Export) |

* **WARNING:** This Element will be covered. For proper operation, you **MUST** remove the cover and clean underneath the element every 3 – 4 months. Be sure the machine is off and the power is disconnected before cleaning.

Cabinet Interior – Ceiling Components, Single Kettle

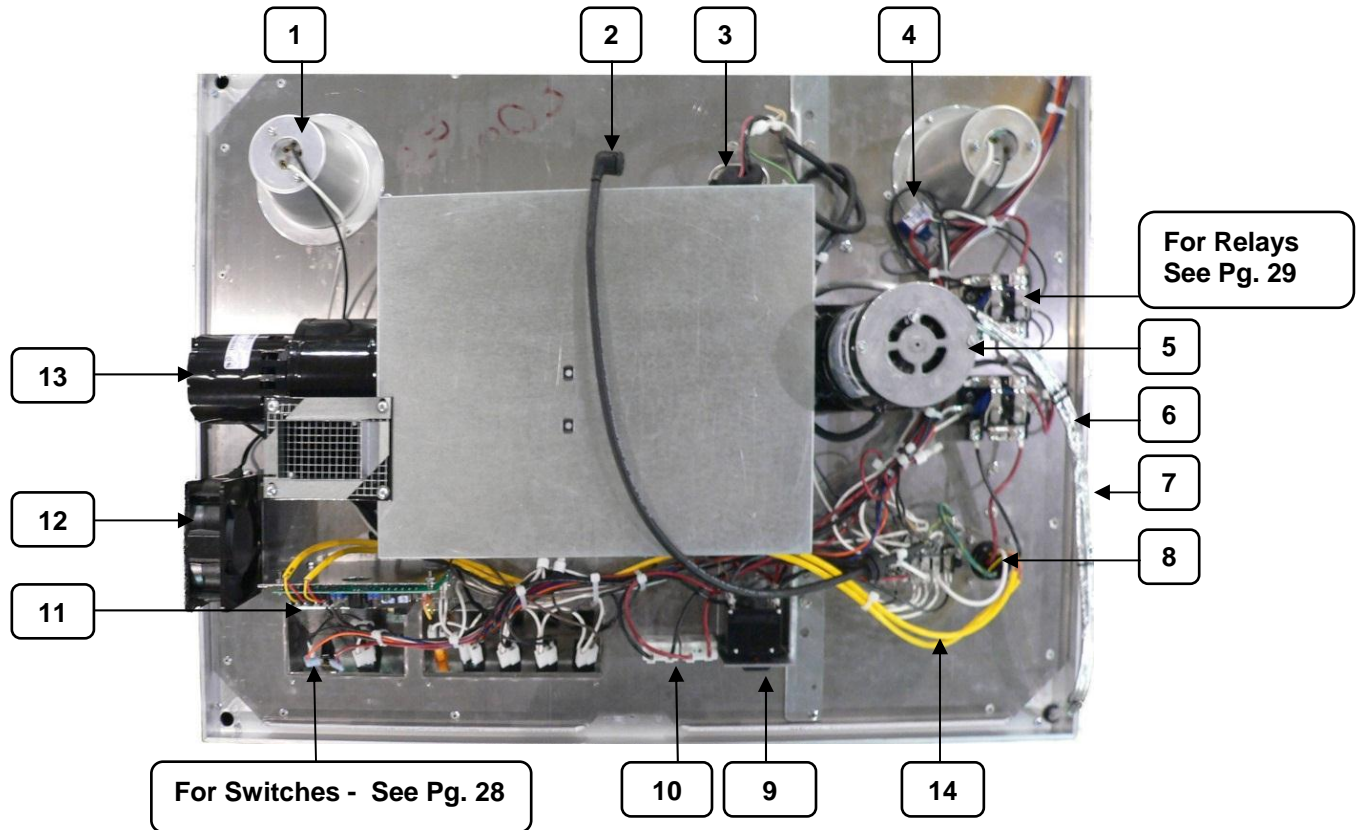


| Item | Part No. | Description |
|------|----------|--|
| 1 | 47561 | Magnetic Catch |
| 2 | 49505 | Hanger Arm Assy w/Clean-In-Place Latch |
| 3 | 41742 | Set Screw 10-32 x 3/16 (x2) |
| 4 | 41380 | Spur Gear |
| 5 | 41432 | Gear Block Assy |
| 6 | 41941 | Hanger Arm Assy |
| 7 | 41979 | 75 Watt Halogen Lamp (x2) |
| | 41979EX | 75 Watt Halogen Lamp (x2) (Export) |
| 8 | 41169 | Oil Mist Filter * |
| 9 | 41250 | 5-Layer Grease Filter (x2) * |
| 10 | 55165 | Kettle Receptacle Assy |
| | 55165EX | Kettle Receptacle Assy (Export) |
| 11 | 41934 | Filter Cover Assy |

| Item | Part No. | Description |
|------|----------|--------------------------------|
| 12 | 12319 | Knob |
| 13 | 41448 | Set Screw 10-32 x 1" |
| 14 | 43426 | Kettle Retainer |
| 15 | 41618 | Clean-In-Place Latch |
| 16 | 41833 | Shock Absorber Pin (Not Shown) |
| 17 | 86009 | Spring (Not Shown) |

* All three available as Part No. 82015 - Filter Pack

Motor Plate Assembly

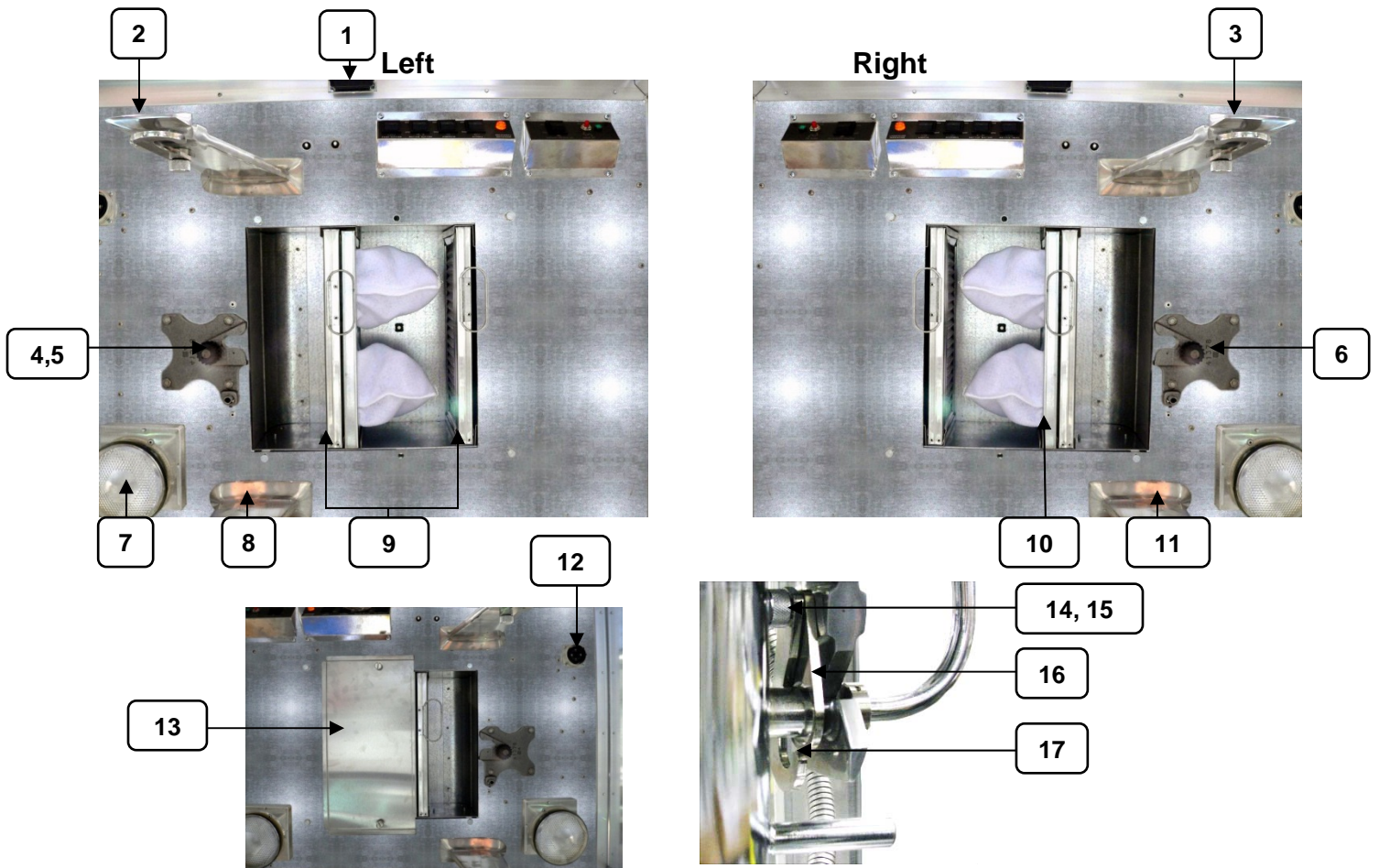


| Item | Part No. | Description |
|------|----------|--|
| 1 | 47047 | Lamp Holder |
| 2 | 41712 | Wire Harness |
| 3 | 46107 | Motor Capacitor 7.5 uf (Black-Bison Motor) |
| | 46110 | Motor Capacitor 10 uf (White-Franklin Motor) |
| 4 | 89087 | Transient Filter |
| 5 | 41449R | Kettle Drive Motor (Domestic) |
| | 41500R | Kettle Drive Motor (Export) |
| 6 | 41640 | 8W Foil Element (Domestic) |
| | 41640EX | 8W Foil Element (Export) |
| 7 | 41047 | Aluminum Oil Tubing (sold by the ft.) |
| 8 | 55165 | Kettle Receptacle Assy (Domestic) |
| | 55165EX | Kettle Receptacle Assy (Export) |
| 9 | 55222 | Kettle Shunt Trip Breaker (Domestic) |
| | 55224 | Kettle Shunt Trip Breaker (Export) |
| | 55254 | Bracket (used in both Dom. and Ex.) |
| 10 | 47364 | Circuit Breaker, 15A (Domestic) (x2) |
| | 48659 | Circuit Breaker, 10A (Export) (x2) |
| 11 | 41001 | Temperature Control Board |
| 12 | 48018 | Axial Fan (Domestic) |

| Item | Part No. | Description |
|------|----------|-------------------------------|
| 13 | 41015 | Exhaust Blower (Domestic) |
| | 41965 | Exhaust Blower (Export) |
| 14 | 55164 | Thermocouple Wire Assy.* (x2) |

*** Included w/55165, also sold separately**

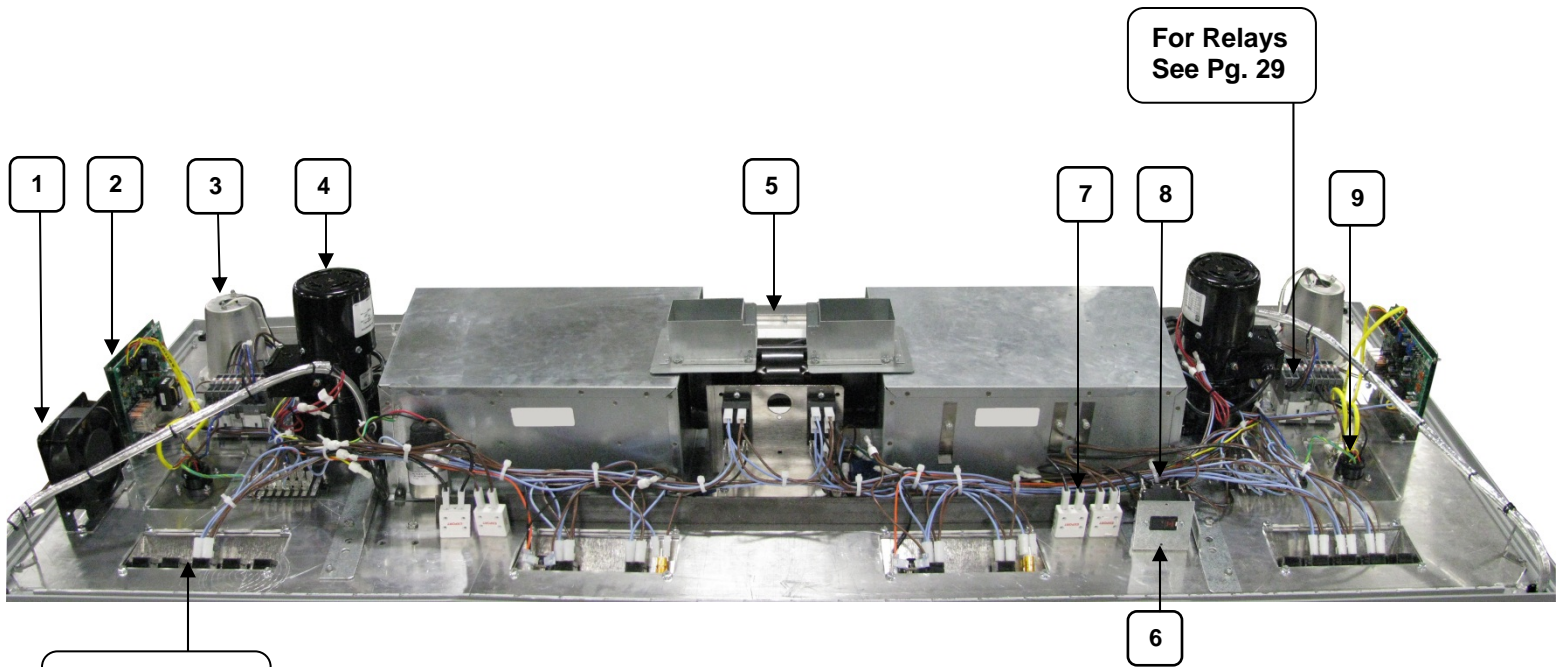
Cabinet Interior – Ceiling Components, Dual Kettle



| Item | Part No. | Description |
|------|----------|--|
| 1 | 47561 | Magnetic Catch |
| 2 | 49505 | Hanger Arm Assy w/Clean-In-Place Latch |
| 3 | 49505 | Hanger Arm Assy w/Clean-In-Place Latch |
| 4 | 41380 | Spur Gear |
| 5 | 41742 | Set Screw 10-32 x 3/16 (x2) |
| 6 | 41432 | Gear Block Assy |
| 7 | 41979 | 75 Watt Halogen Lamp (x4) |
| | 41979EX | 75 Watt Halogen Lamp - Export (x4) |
| 8 | 41941 | Hanger Arm Assy |
| 9 | 41250 | 5-Layer Grease Filter (x2)* |
| 10 | 41169 | Oil Mist Filter* |
| 11 | 41941 | Hanger Arm Assy |
| 12 | 55165 | Kettle Receptacle Assy |
| | 55165EX | Kettle Receptacle Assy (Export) |
| 13 | 41934 | Filter Cover Assy |
| 14 | 12319 | Knob |
| 15 | 41448 | Set Screw 10-32 x 1" |
| 16 | 43426 | Kettle Retainer |
| 17 | 41618 | Clean-in-Place Latch |
| 18 | 41833 | Shock Absorber Pin (Not Shown) |
| 19 | 86009 | Spring (Not Shown) |

* All three available as Part No. 82015 - Filter Pack 26

Motor Plate Assembly – Dual Kettle Models

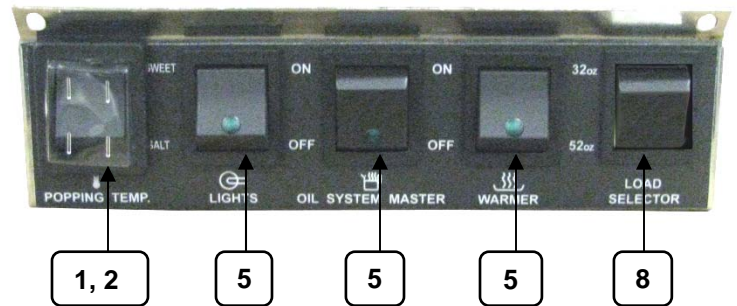
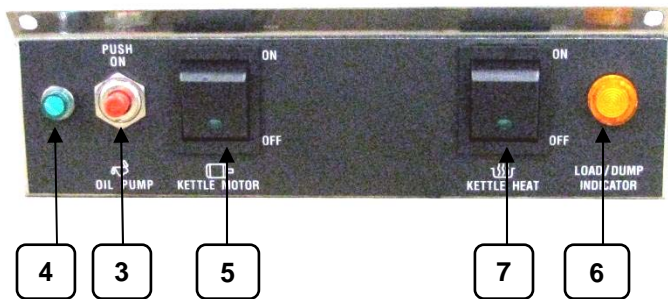
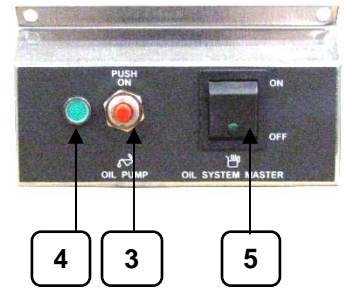
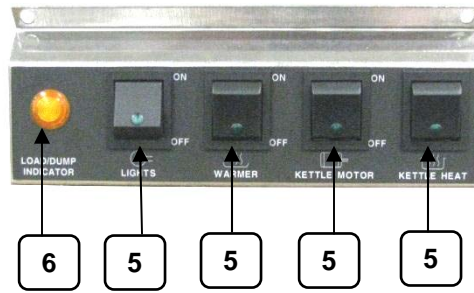
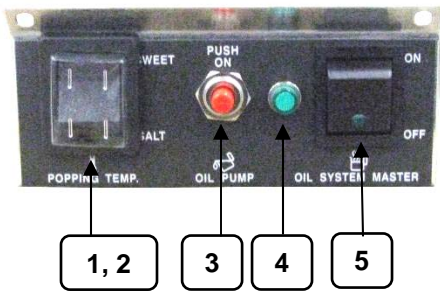


For Switches
See Pg. 28

For Relays
See Pg. 29

| Item | Part No. | Description |
|------|----------|--|
| 1 | 48018 | Axial Fan |
| | 48037 | Axial Fan (Export) |
| 2 | 41001 | Temperature Control Board |
| 3 | 47047 | Lamp Holder (x2) |
| 4 | 41449R | Kettle Drive Motor |
| | 41500R | Kettle Drive Motor (Export) |
| 5 | 62845 | Double Blower Exhaust |
| | 62845EX | Double Blower Exhaust (Export) |
| 6 | 55254 | CB Bracket |
| 7 | 47364 | Circuit Breaker, 15A (Domestic) (x2) |
| | 48659 | Circuit Breaker, 10A (Export) (x2) |
| 8 | 55222 | Kettle Shunt Trip Breaker |
| | 55224 | Kettle Shunt Trip Breaker (Export) |
| 9 | 55165 | Kettle Receptacle Assembly (x2) |
| | 55165EX | Kettle Receptacle Assembly (Export) (x2) |

Parts – Switches and Lights

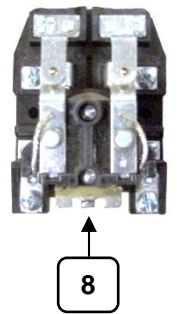
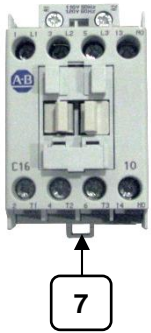
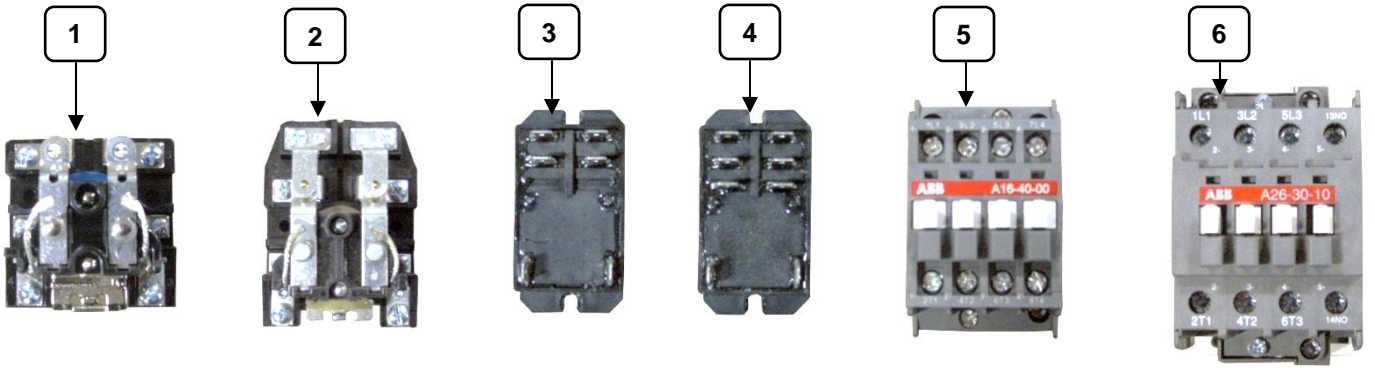


| Item | Part No. | Description |
|------|----------|--|
| 1 | 55440 | Salt / Sweet Switch |
| 2 | 48786 | Switch Cover - for Salt / Sweet Switch only |
| 3 | 41031 | Oil Momentary |
| 4 | 48660 | Green Pilot Light |
| | 48660EX | Green Pilot Light (Export) |
| 5 | 42798 | Lighted Rocker Switch |
| 6 | 55039 | Load/Dump Pilot Light - Amber |
| | 55039EX | Load/Dump Pilot Light - Amber (Export) |
| 7 | 82675 | On/On Rocker Switch - Pass-thru models only** |
| 8 | 39410 | 3 Position Rocker Switch - Flexi-Pop models only |
| 9 | 55050 | Switch, Rocker SPDT * - Salt/Sweet only |

***Used only in models with a 48" cabinet and both Flexi and Salt-Sweet Options**

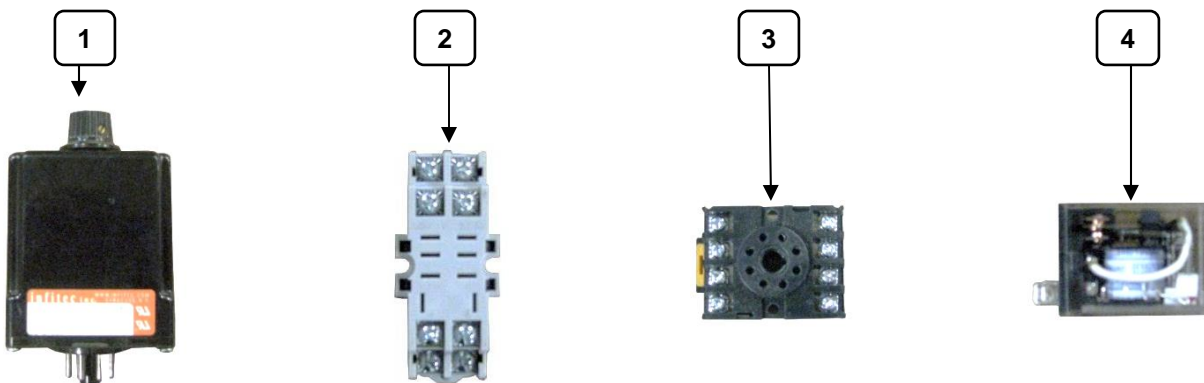
**** Pass-thru only. For standard heat switch, see item # 5.**

Parts – Relays



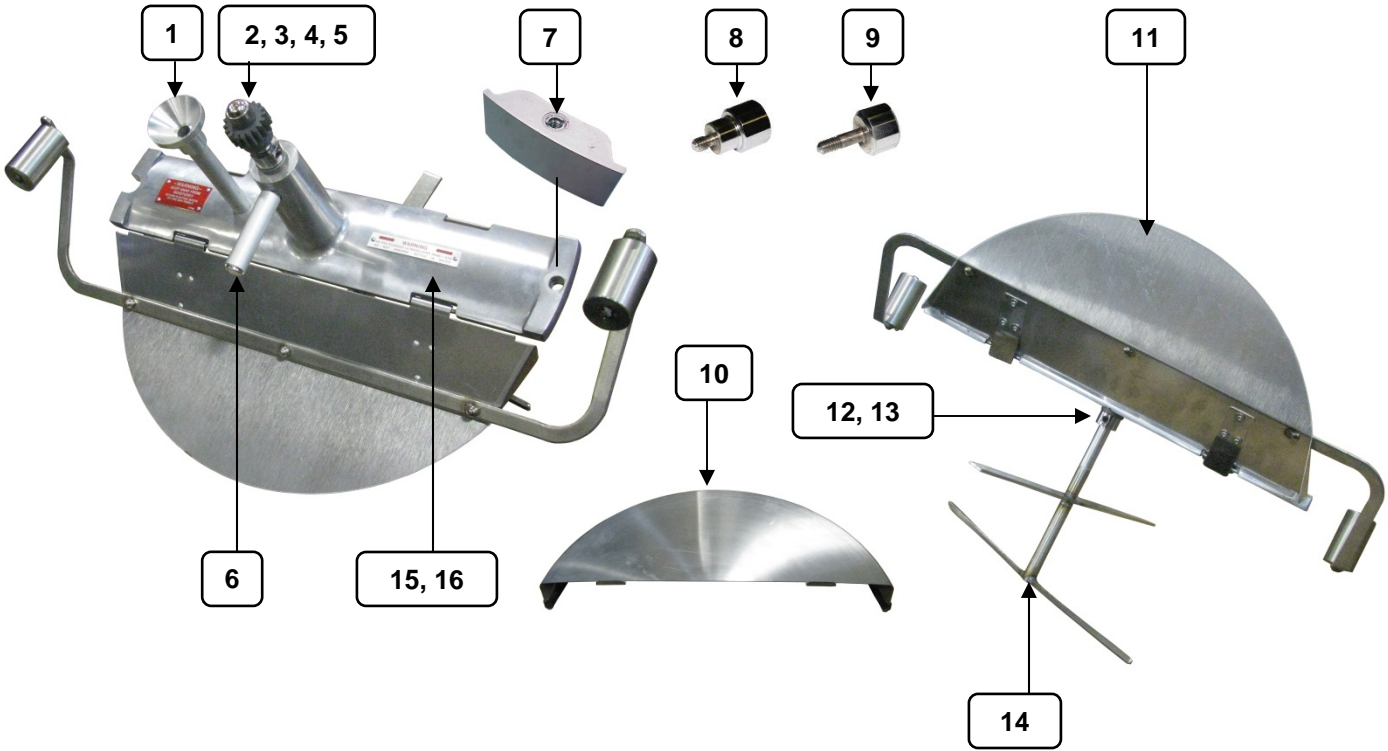
| Item | Part No. | Description |
|------|----------|--|
| 1 | 55219 | Relay/30A/DPST/120V Coil/Domestic |
| | 55219EX | Relay/30A/DPST/240V Coil/Export |
| 2 | 46081 | Relay/30A/DPDT/120V Coil/Domestic Flexi-Pop |
| 3 | 48590 | Relay/30A/DPST-NO/120V Coil/4 Terminals/Domestic |
| | 48590EX | Relay/30A/DPST-NO/240V Coil/4 Terminals/Export |
| 4 | 48645 | Relay/30A/DPDT/120V Coil/6 Terminals/Domestic |
| | 48645EX | Relay/30A/DPDT/240V Coil/6 Terminals/Export |
| 5 | 89082 | Contacteur IEC/220V Coil/Export |
| 6 | 48912 | Contacteur IEC/40A/120V Coil/Domestic |
| 7 | 48945 | Contacteur IEC/32A/120V Coil/Domestic |
| 8 | 89858 | Relay/30A/DPDT/240V Coil/Export |

Ventilation Control Components – “V” Models Only



| Item | Part No. | Description |
|------|----------|--------------------|
| 1 | 55157 | Timer |
| 2 | 89085 | Relay Socket |
| 3 | 79141 | 8 Pin Timer Socket |
| 4 | 55036 | Relay |

Top Hat Kettle Assembly



Lid & Agitator Complete – 41775HT

| Item | Part No. | Description |
|------|----------|--------------------------------|
| 1 | 41239 | Oil Tube w/Funnel |
| 2 | 41380 | Spur Gear |
| 3 | 41742 | Set Screw (x2) |
| 4 | 12611 | Button Head Screw 5/16-18x½ LH |
| 5 | 41730 | Woodruff Key |
| 6 | 67925 | Magnet Holder Assy |
| 7 | 67901 | Top Hat Block (x2) |
| 8 | 47976 | Crossbar Fastener w/Shoulder |
| 9 | 47977 | Crossbar Fastener |
| 10 | 67918 | Fixed Rear Lid |
| 11 | 68068 | Front Lid Assy |
| 12 | 47326 | Set Collar (x2) |
| 13 | 47751 | Set Screw |
| 14 | 41940 | Agitator Assy |
| 15 | 41772HT | Crossbar Assy |
| 16 | 48977 | Crossbar Bushings (x2) |

Standard Lid and Agitator Assy.

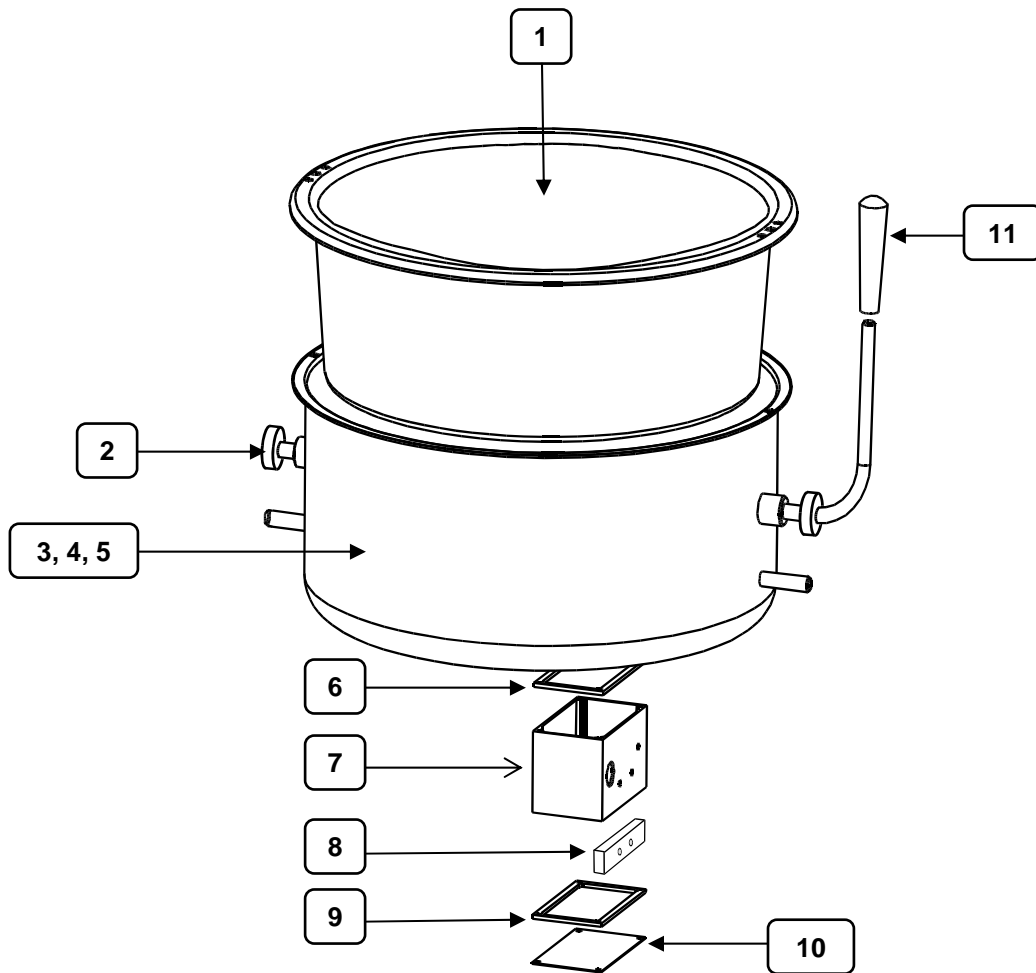


Lid and Agitator Assy – Complete P/N 41775

| Item | Part No. | Description |
|------|----------|-------------------------------|
| 1 | 47689 | Oil Funnel |
| 2 | 12611 | Button Head Screw |
| 3 | 41400 | Needle Bearing |
| 4 | 41380 | Spur Gear |
| 5 | 41730 | Woodruff Key |
| 6 | 41742 | Set Screw 10-32 x 3/16 (x2) |
| 7 | 47326 | Set Collar (x2) |
| 8 | 47751 | Set Screw 1/4-20 x 3/16 |
| 9 | 48977 | Cross Bar Bushing (x2)* |
| 10 | 41772 | Cross Bar Assy. |
| 11 | 47977 | Cross Bar Fastener |
| 12 | 41935 | Front Lid |
| 13 | 47976 | Cross Bar Fastener w/Shoulder |
| 14 | 41936 | Rear Lid |

*Included with P/N 41772

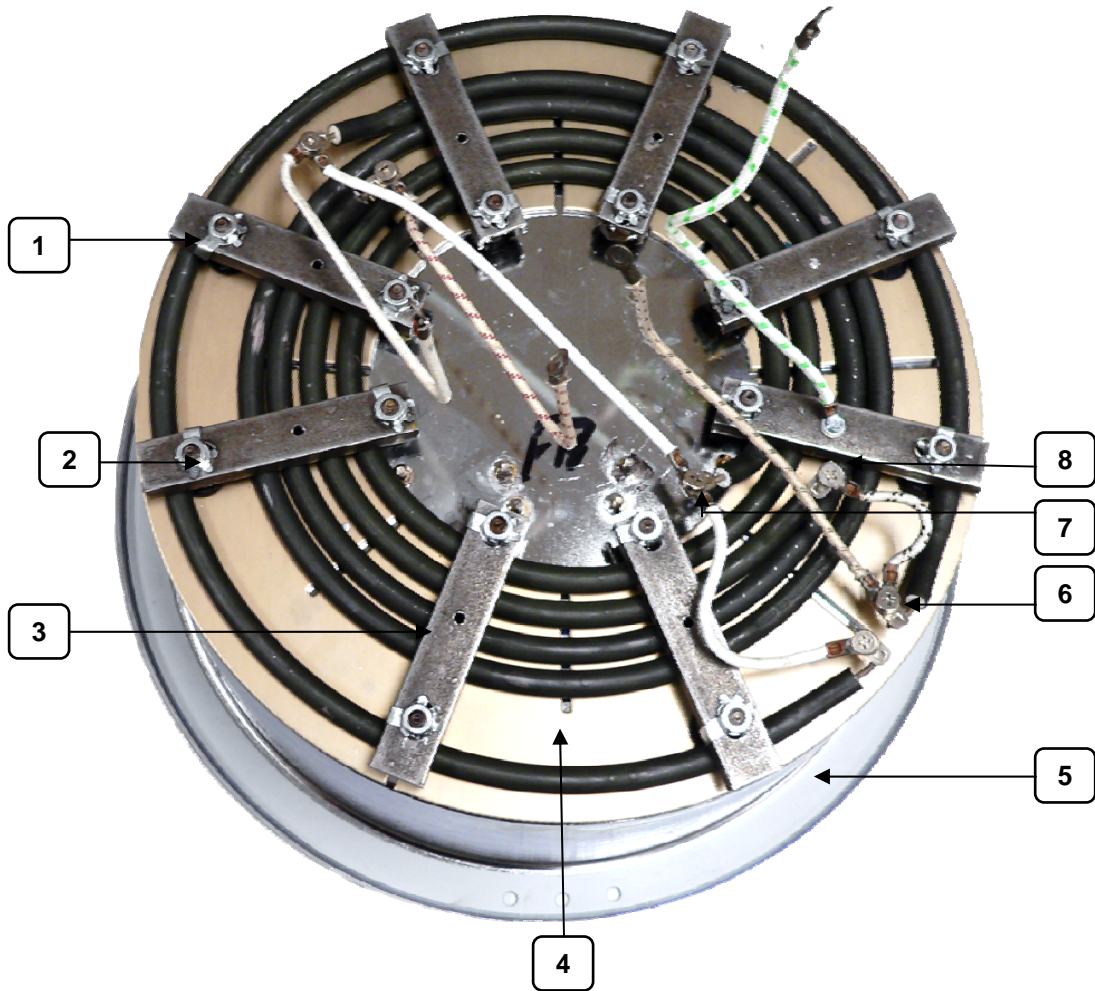
Kettle Shell Components



| Item | Part No. | Description |
|------|----------|--|
| 1 | 41533 | Kettle Weld Assy |
| 2 | 69815 | ½" Split Collar (x2) |
| 3 | 41528 | Kettle Shell - RH Dump - Single Kettle |
| 4 | 41528L | Kettle Shell - LH Dump - LH on Dual |
| 5 | 41528DH | Kettle Shell - Dual Handles* |
| 6 | 40963 | Junction Box Gasket w/Cutout |
| 7 | 61084 | Junction Box Assy |
| 8 | 41129 | Ceramic Terminal Block |
| 9 | 40965 | Junction Box Gasket w/o Cutout |
| 10 | 41296 | Junction Box Cover |
| 11 | 41139 | Plastic Dump Handle |

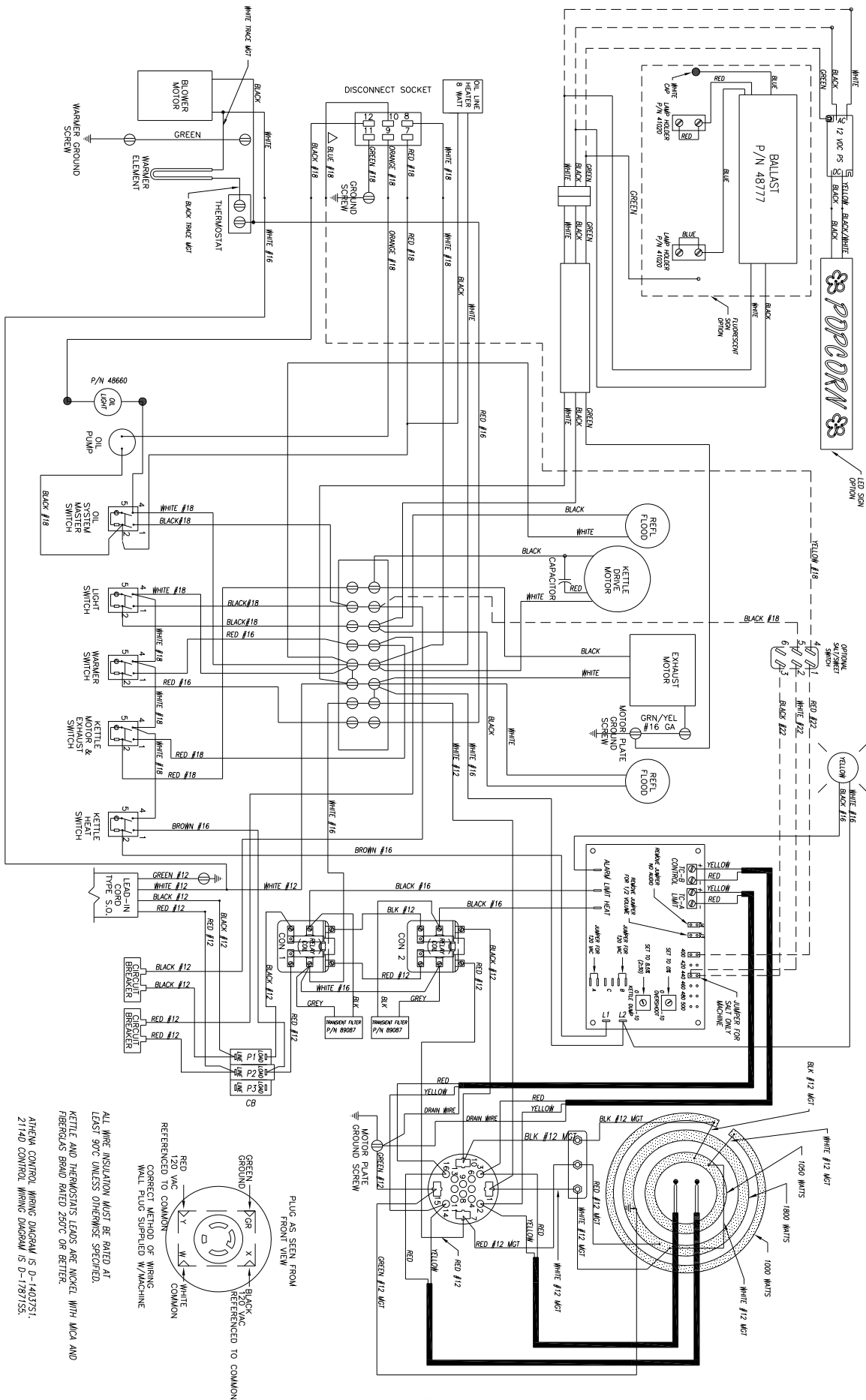
*Pass-thru Models Only

Parts - Kettle Bottom

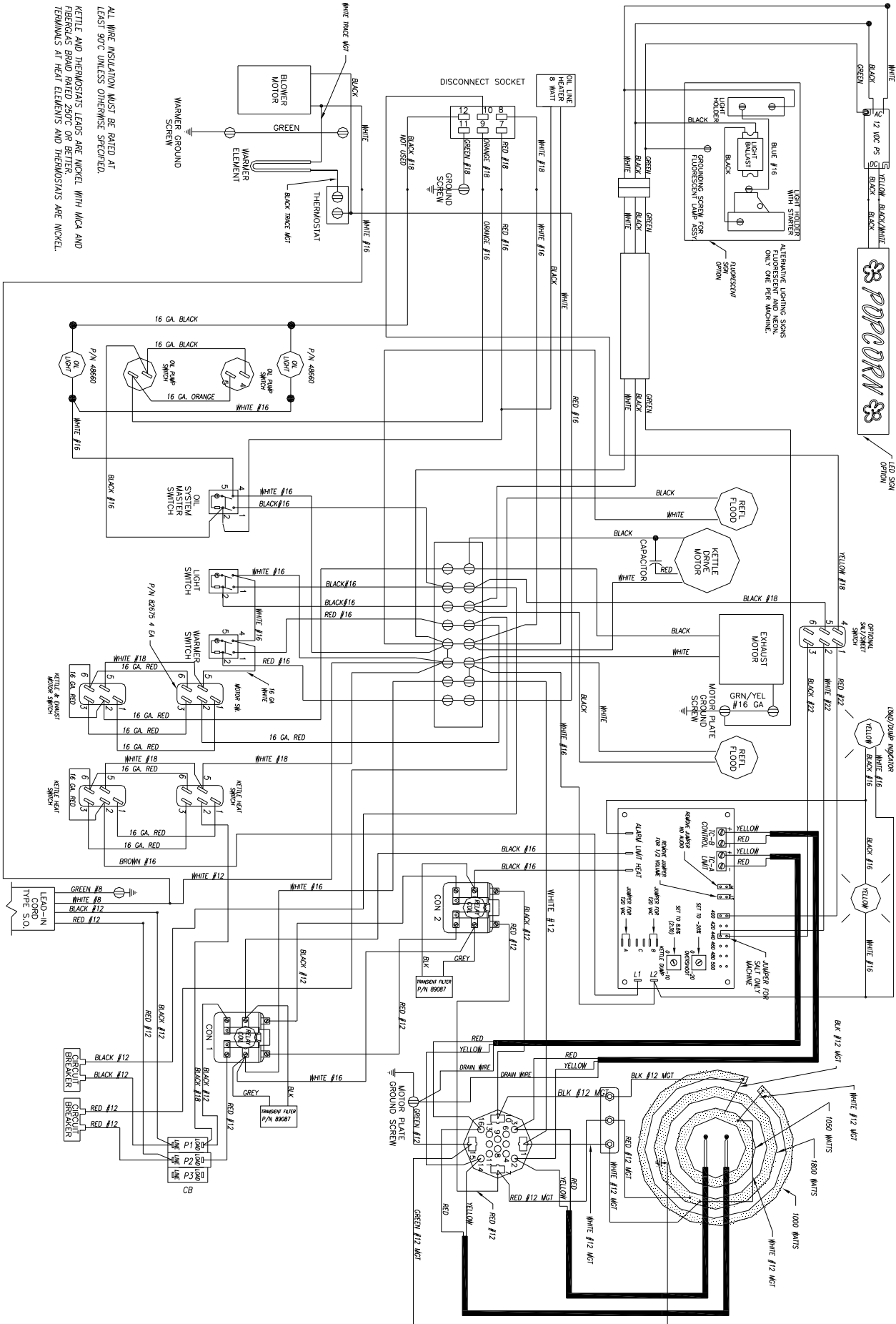


| Item | Part No. | Description |
|------|----------|---------------------------|
| 1 | 50190 | Nut Retainer |
| 2 | 41451 | 1/4 - 20 Hex Jam Nut |
| 3 | 41491 | Element Clamp |
| 4 | 41534 | Heat Transfer Plate |
| 5 | 41597 | Kettle Gasket |
| 6 | 41536 | 120V - 1000W Heat Element |
| 7 | 48651 | 120V - 1050W Heat Element |
| 8 | 48650 | 120V - 1800W Heat Element |

Single Kettle Electrical Schematic

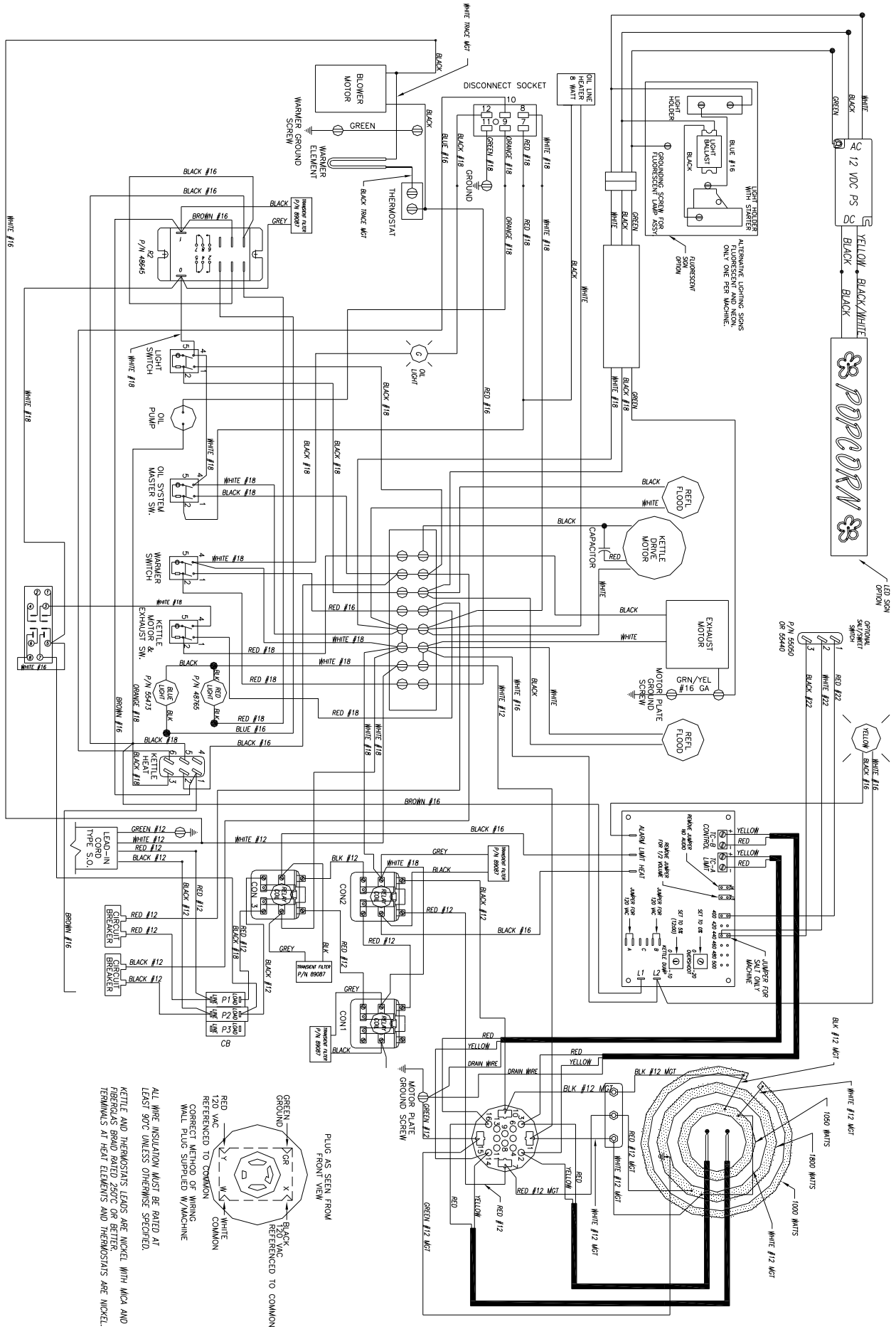


Single Kettle Pass Through

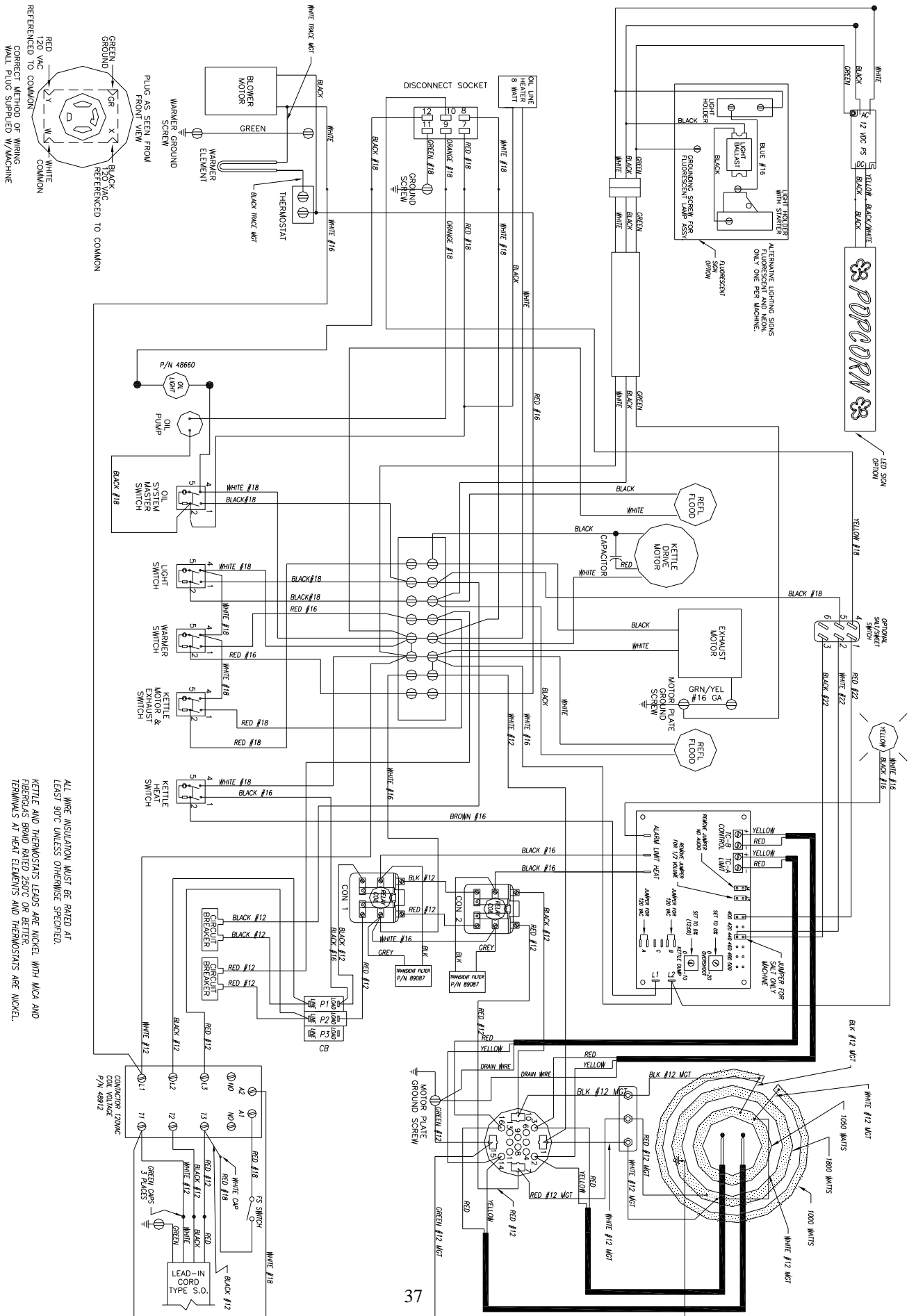


ALL WIRE INSULATION MUST BE RATED AT LEAST 90°C UNLESS OTHERWISE SPECIFIED. KETTLE AND THERMOSTATS LEADS ARE NICKEL WITH MICA AND FIBERGLASS BRAD RATED 250°C OR BETTER. THERMOSTATS AND THERMOSTATS ARE NICKEL.

Single Kettle Flexi-Pop

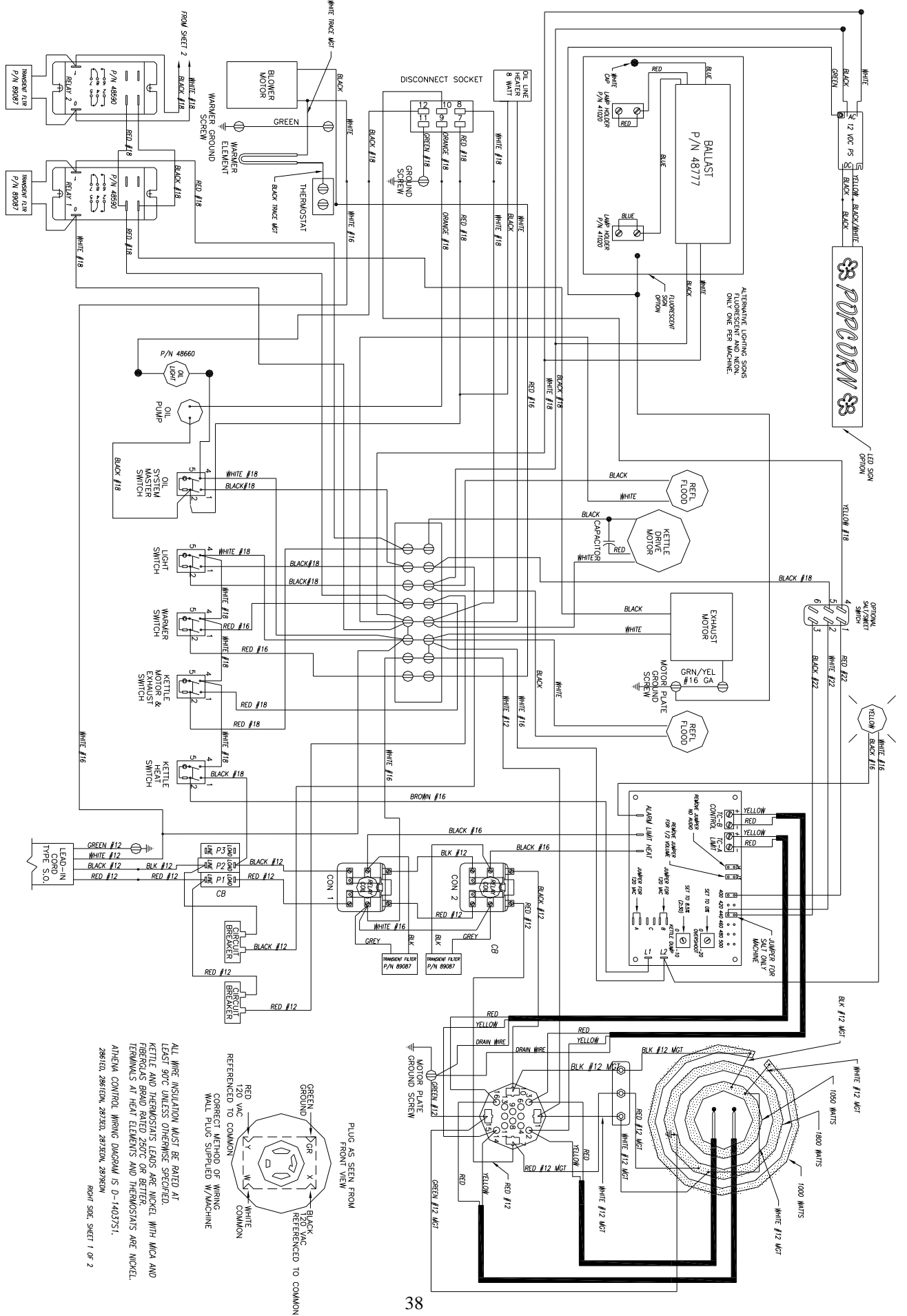


Single Kettle, Fire Suppression



ALL WIRE INSULATION MUST BE RATED AT LEAST 90°C UNLESS OTHERWISE SPECIFIED. KETTLE AND THERMOSTATS LEADS ARE NICKEL WITH MICA AND FIBERGLASS BRIND RATED 250°C OR BETTER. TERMINALS AT HEAT ELEMENTS AND THERMOSTATS ARE NICKEL.

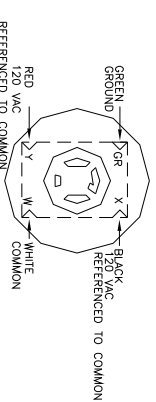
Twin Kettle, Right Side



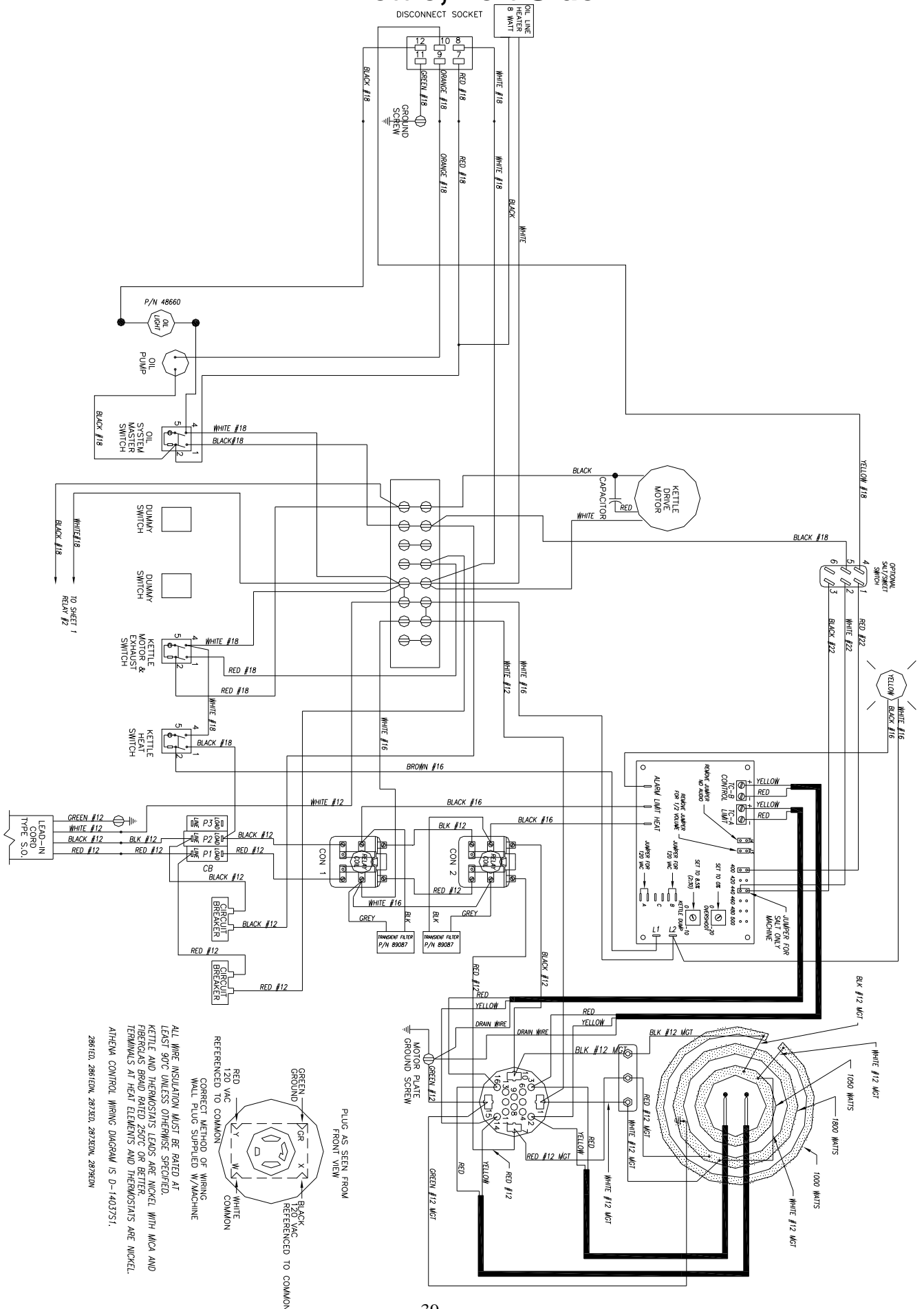
ALL WIRE INSULATION MUST BE RATED AT LEAST 90°C UNLESS OTHERWISE SPECIFIED. KETTLE AND THERMOSTAT LEADS ARE NICKEL WITH WICA AND FIBERGLASS BRAID RATED 250°C OR BETTER. TERMINALS AT HEAT ELEMENTS AND THERMOSTATS ARE NICKEL.

ATHENA CONTROL WIRING DIAGRAM IS D-1403751.
2861ED, 2861EW, 2873ED, 2873EW, 2879ED, 2879EW

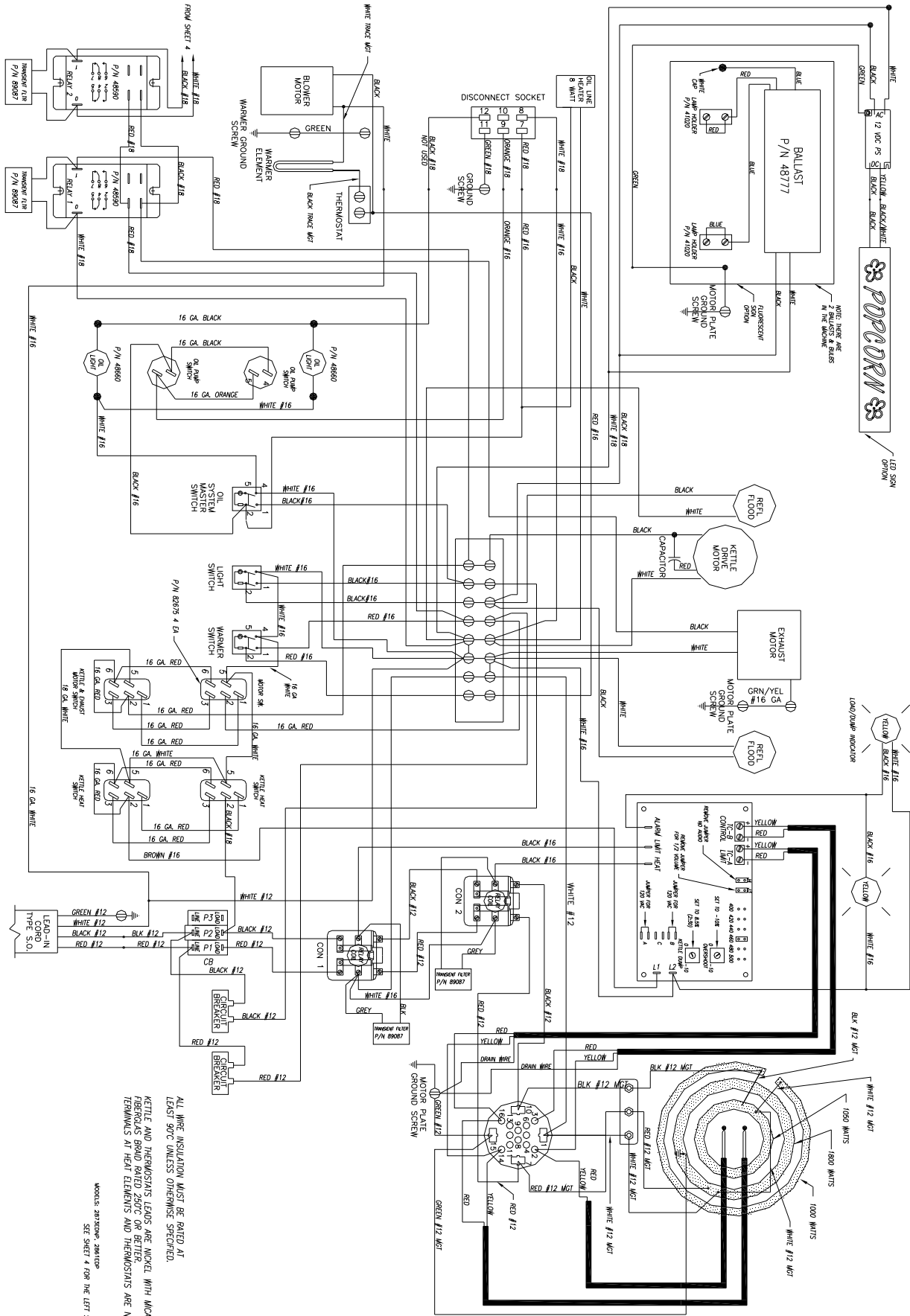
RIGHT SIDE SHEET 1 OF 2



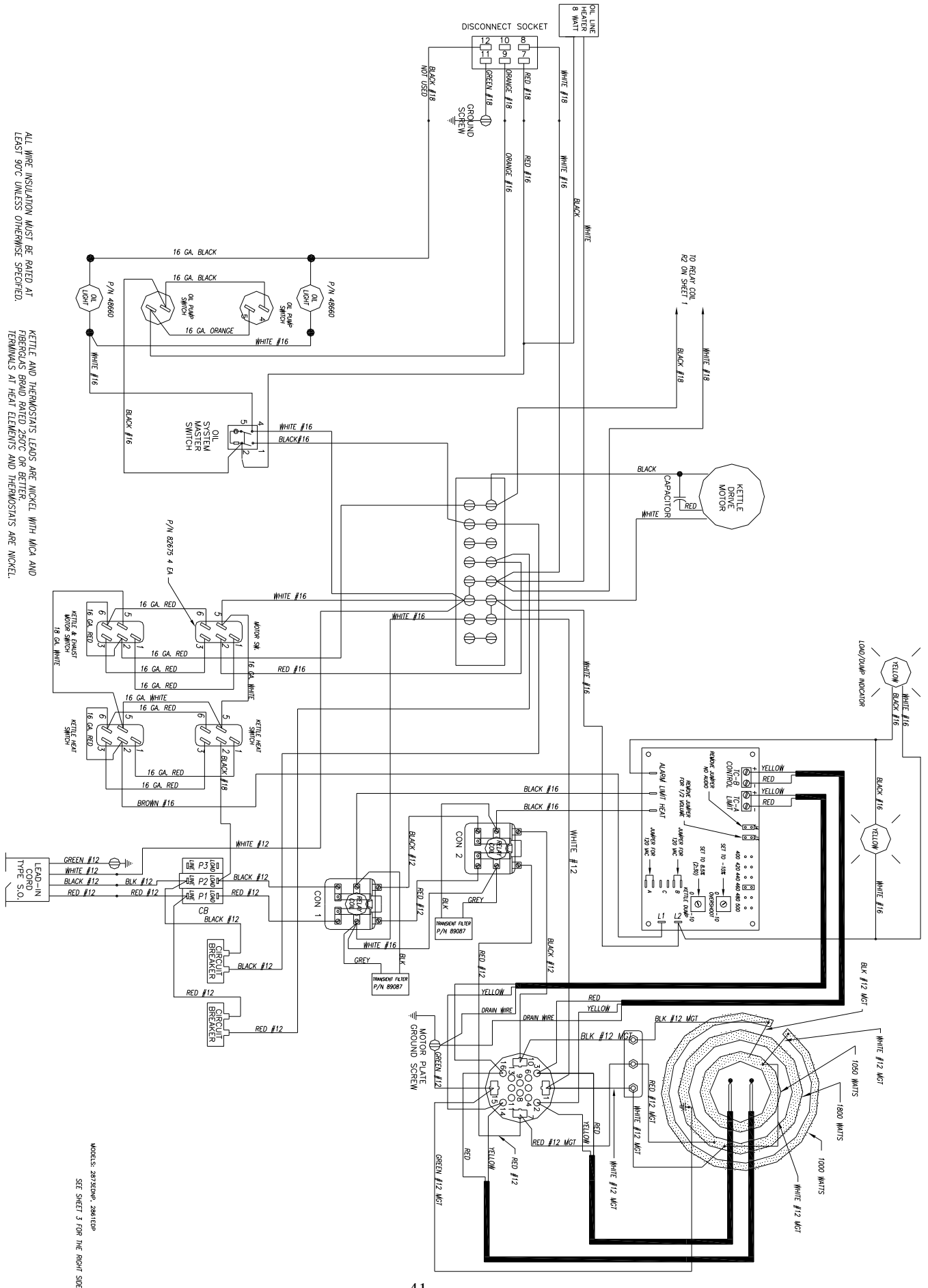
Twin Kettle, Left Side



Twin Kettle, Pass Through Right Side



Twin Kettle, Pass Through Left Side

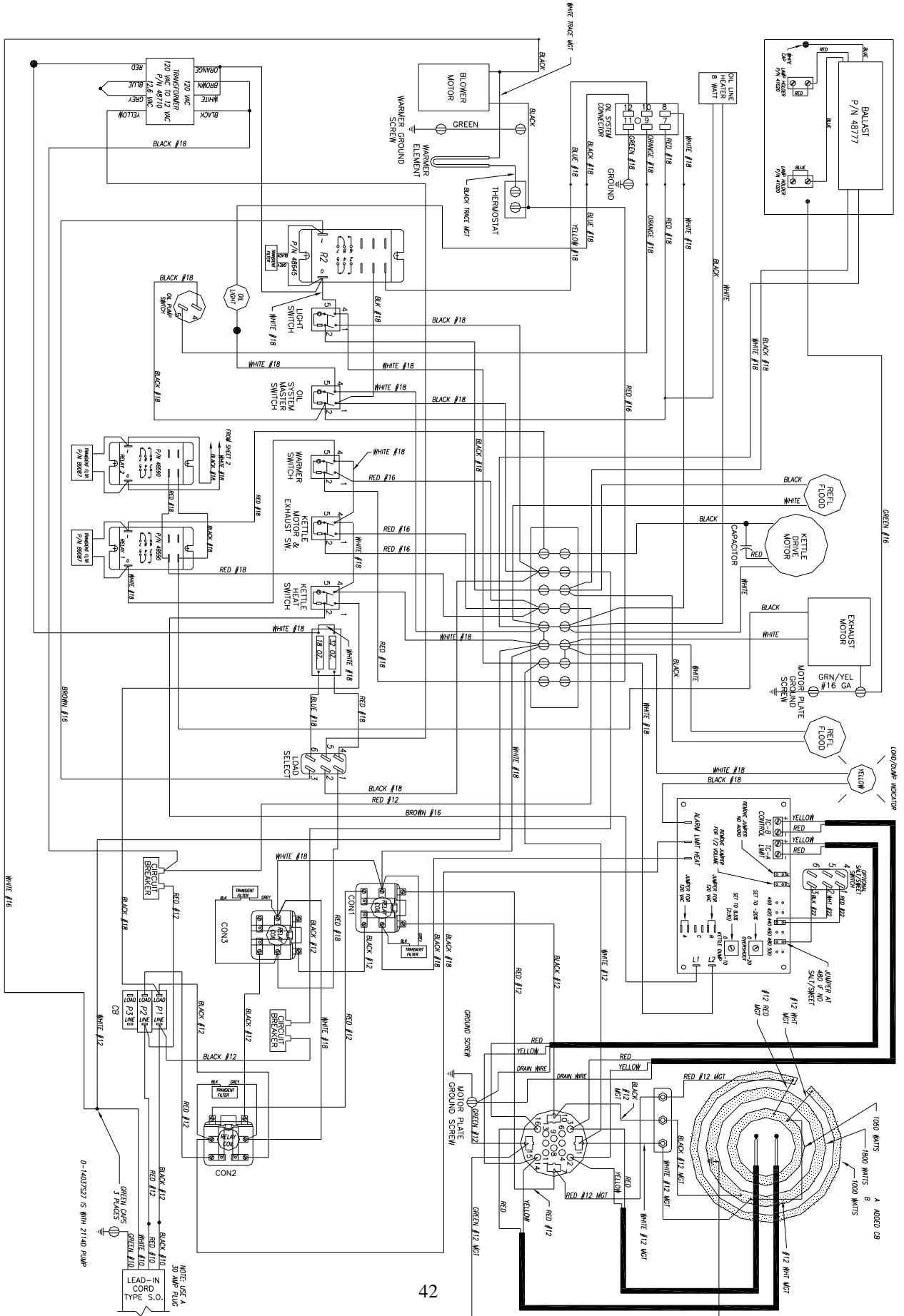


ALL WIRE INSULATION MUST BE RATED AT LEAST 90°C UNLESS OTHERWISE SPECIFIED.

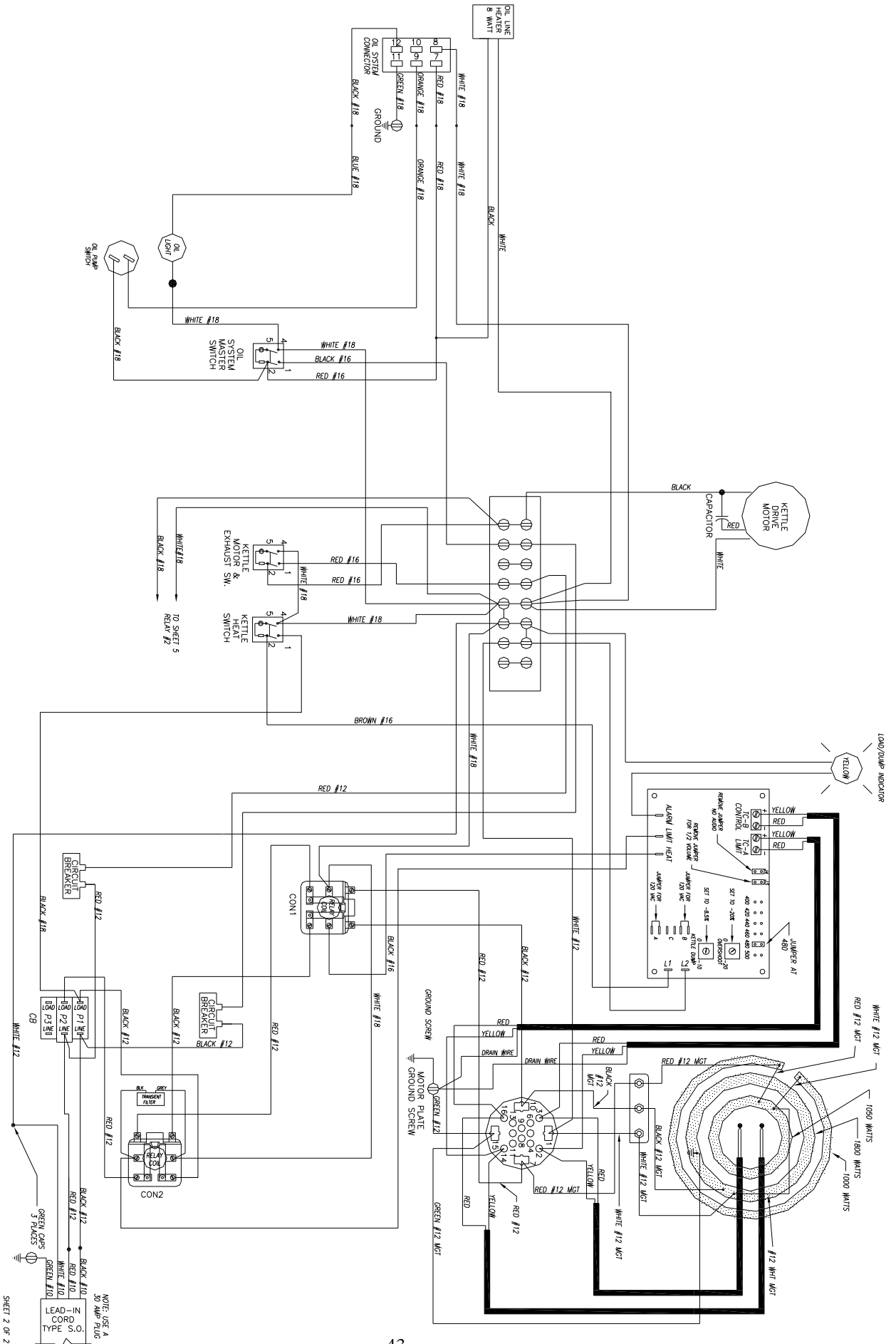
KETTLE AND THERMOSTATS LEADS ARE NICKEL WITH MICA AND FIBERGLASS Braid RATED 250°C OR BETTER. TERMINALS AT HEAT ELEMENTS AND THERMOSTATS ARE NICKEL.

WORKS: 287209P, 28612P
SEE SHEET 3 FOR THE RIGHT SIDE

Twin Kettle, Flexi-Pop Right Side

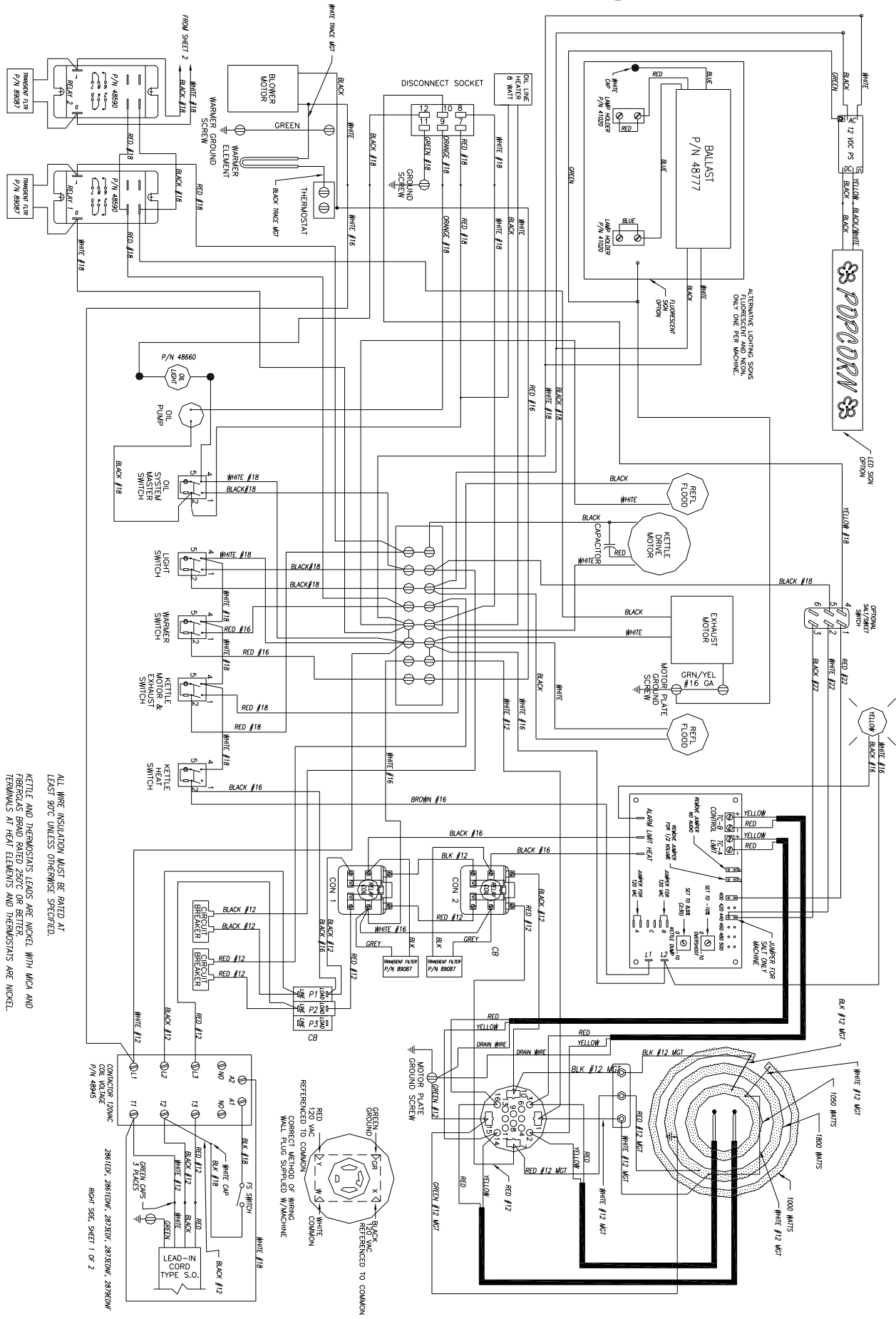


Twin Kettle, Flexi-Pop Left Side

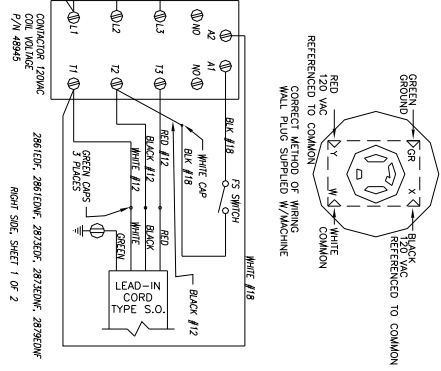


NOTE: USE A 30 AMP P106 LEAD CORN PLUG

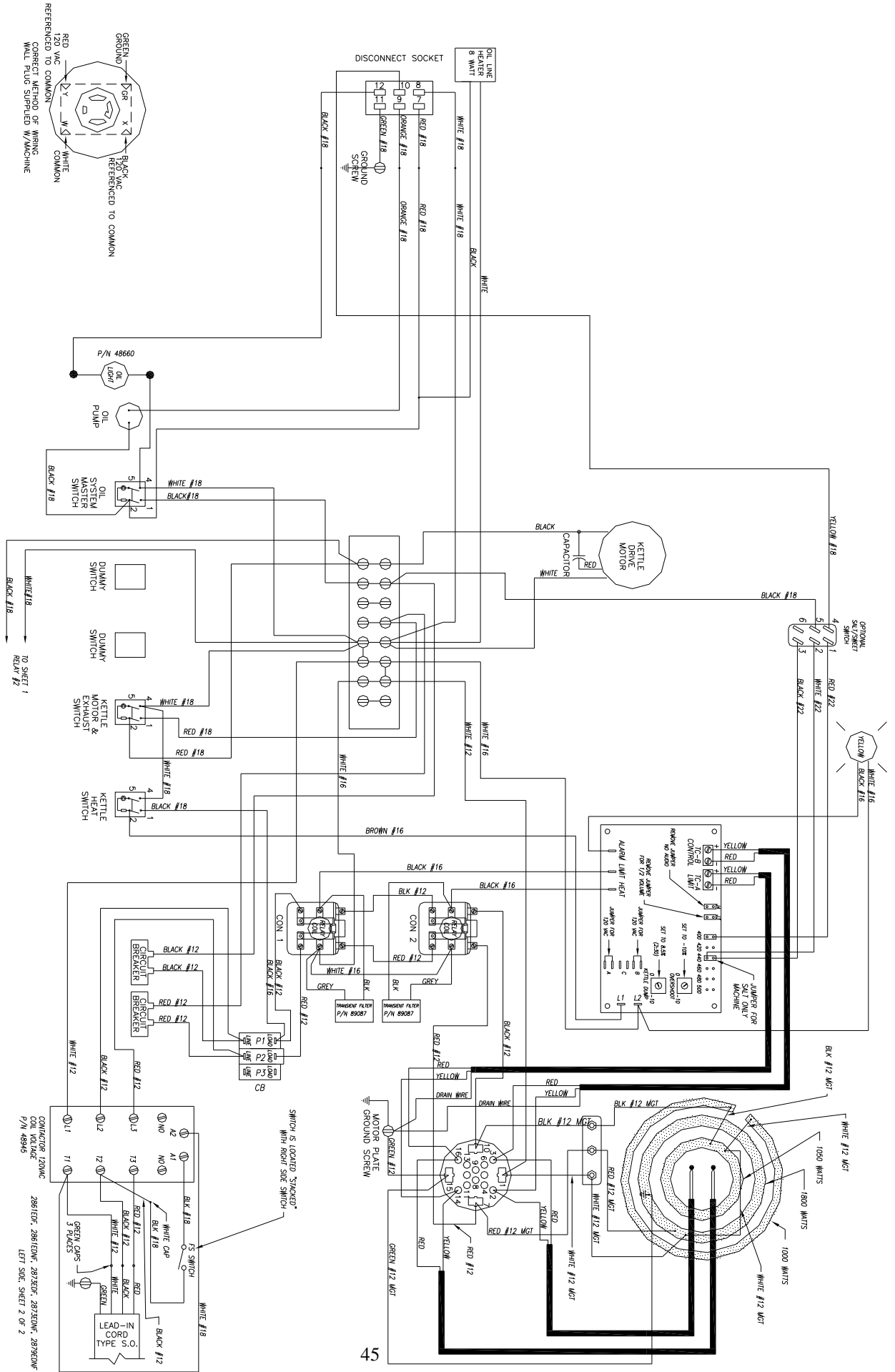
Twin Kettle, Fire Suppression Right Side



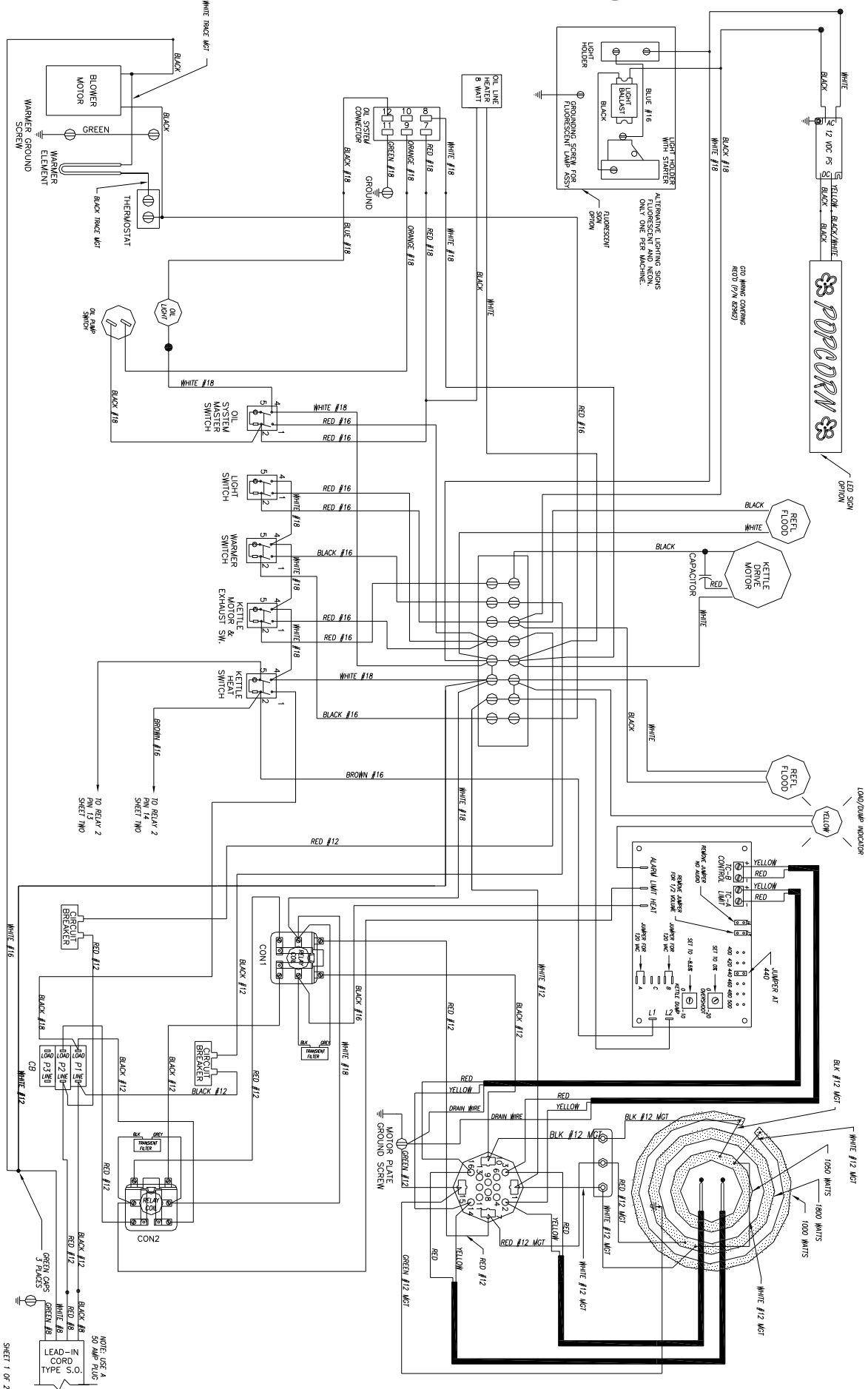
ALL WIRE INSULATION MUST BE RATED AT LEAST 90°C UNLESS OTHERWISE SPECIFIED.
 KETTLE AND THERMOSTATS LEADS ARE NICKEL WITH MICA AND FIBERGLASS BRAID RATED 250°C OR BETTER.
 TERMINALS AT HEAT ELEMENTS AND THERMOSTATS ARE NICKEL.



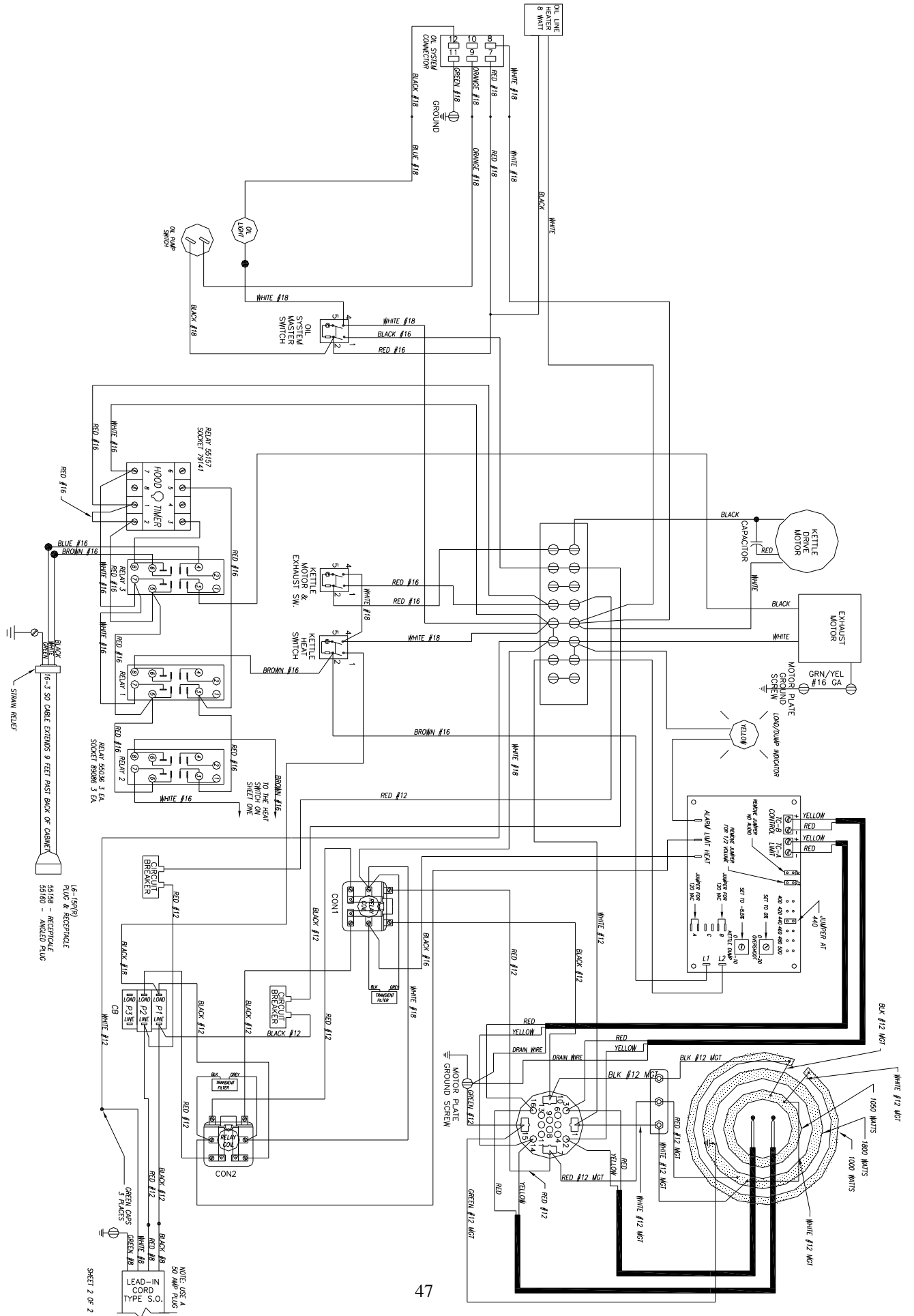
Twin Kettle, Fire Suppression Left Side



Twin Kettle, Vent Control Right Side



Twin Kettle, Vent Control Left Side



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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