

# Enclosed Cornado Popping Unit

Instruction Manual




*Domestic and Export Models*



 **GOLD MEDAL**®  
**FUNFOOD EQUIPMENT AND SUPPLIES**

Cincinnati, OH 45241-4807 USA

## SAFETY PRECAUTIONS

	<b>⚠ DANGER</b>
	<p>Machine must be properly grounded to prevent electrical shock to personnel. Do NOT immerse the kettle, warmer, or any other part of this equipment in water. Always unplug the equipment before cleaning or servicing.</p>
	<b>⚠ WARNING</b>
	<p>To avoid serious burns, do NOT touch the kettle while it is hot.</p>
	<b>⚠ WARNING</b>
	<p>Always wear safety glasses when servicing this equipment.</p>
	<b>⚠ WARNING</b>
	<p>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 a receptacle.</p>
	<b>⚠ CAUTION</b>
	<p>This equipment is designed and sold for commercial use only. This equipment is not to be used by the consumer in home use. 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 installation instructions before operating the equipment.</p>
	<b>⚠ CAUTION</b>
	<p>This machine is <b>NOT</b> to be operated by minors. A minor is classified as any person under the age of 18</p>
NOTE	
<p>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.</p>	



# INSTALLATION INSTRUCTIONS

## Checking Shipment

Unpack all cartons and check thoroughly for any damage which might have occurred in transit. Damage claims should be filed immediately with the transportation company.

## Domestic models only: 120v/208v or 120v/240v 60 Hz.

A **30 amp** – 4 wire wall receptacle is shipped with each **36 oz.** 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. The **36oz.** Cornado must be operated on a 30 amp dedicated, and circuit protected, line. (**NOTE:** The Cornado “uses” both “hot to neutral” legs, 120v. The machine does not “use” the 208v or 240v, “hot to hot” connection.)

A **50 amp** – 4 wire wall receptacle is shipped with each **48oz.** machine. Your electrician must furnish sufficient current for proper operation of your machine. The **48oz.** Cornado must be operated on a 50 amp dedicated, and circuit protected, line. (**NOTE:** The Cornado “uses” both “hot to neutral” legs, 120v. The machine does not “use” the 208v or 240v, “hot to hot” connection.)

## Export models only: 230v 50Hz

A **16 amp** – 5 wire plug is standard on all export models. 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. Both the 36oz and 48oz units must be operated on a 16 amp dedicated, and circuit protected, line.

	<b>⚠ DANGER</b>
	<p>Machine must be properly grounded to prevent electrical shock to personnel. Do NOT immerse the kettle, warmer, or any other part of this equipment in water. Always unplug the equipment before cleaning or servicing.</p>

## Final Preparations



The popcorn machine was adjusted, inspected, and tested before it left the factory.

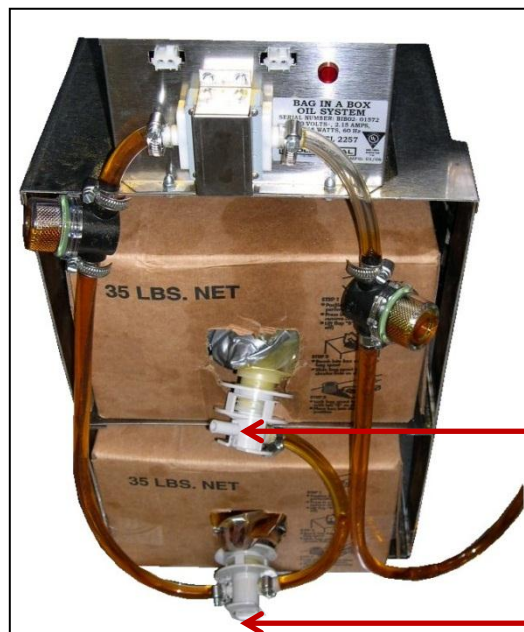
Connect the clear oil line from the pump to the aluminum line from the popper with the supplied hose clamp. Connect the 6 pin connector from the popper to the receptacle on the oil pump. Both bucket pump (2114 Models) and Bag-in-a-Box pump (2257 Models) have the same receptacle.

Follow the instructions provided in the oil pump manual to set the oil delivery amount. The proper amount of oil for the 36oz. Cornado is 10 to 10 ½ ounces. The proper amount of oil for the 48oz. Cornado is 14 to 14 ½ ounces.

To check for proper amount of oil, and assure oil is liquid; dispense a “shot” into a measuring cup.

## SET POPPING OIL VOLUME WITH OIL SYSTEMS

\*All oil delivery systems are now equipped with the E-Z Set control.



**NOTE:** When connecting the bag-in-box system, you must 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.

### Adjusting the Oil Amount

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 plus the amount of oil to fill the lines. Just fill the lines using the process above, and then reset the amount as described above.

### Notes

1. E-Z Set Control has the capability of “remembering” two different settings for poppers with the “Salt/Sweet” option.
2. 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.



## CONTROLS AND THEIR FUNCTIONS

### Oil System Master Switch

This 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 when this is pushed. It may be desirable to keep this switch on at night, if you have problems keeping the coconut oil in a liquid form. Coconut oil will congeal at temperatures below approximately 76° F [24° C].

### Salt-Sweet Switch (If Equipped)

This will change the temperature 40°F lower for the sweet option.

**NOTE:** When making sweet corn, follow the label instructions on jar of compound “S”. (Compound “S” is available from Gold Medal® Products Co. – item number 2320.)

### “Red” Oil Dispense Momentary Switch

When pushed, this will dispense the predetermined amount of oil into the kettle.

### Kettle Motor

This operates the kettle agitator motor.

### Kettle Heat Switch

This operates the heating elements in the popping kettle by supplying power to the Big Eye Electronic Temperature control board.

### Load/Dump Indicator (Yellow Light & Audible Signal)

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



## OPERATION INSTRUCTIONS

### Popping Corn

1. Turn on Kettle heat, Motor, and Oil system master switches.
2. When popping with coconut oil, be sure the oil is liquid. Dispense oil into a measuring cup first to ensure proper oil amount. See page 4 for setting oil pump.
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 corn (use the supplied corn cup) and Flavacol (use supplied scoop as well).
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.
6. On the final kettle of corn, turn the "KETTLE HEAT" switch off, just as the lid is forced open by the popping corn. Turning the kettle heat switch off allows the heat to dissipate as the final batch is popped. (This results in less smoke on the last batch.)

**NOTE:** When making sweet corn, follow the label instructions on jar of compound "S". (Compound "S" is available from Gold Medal® Products Co. – item number 2320.)

### 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".



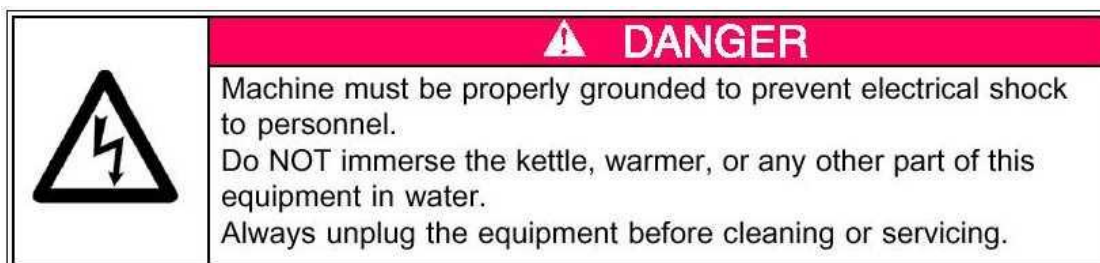
## CLEANING INSTRUCTIONS

### Clean the Kettle Daily

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.

2. Every night, mix Heat'n Kleen solution (Gold Medal® item number 2095) 2 tablespoons per gallon of water. It is not necessary 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.
3. The next morning, dump the solution into a bucket and wipe the inside of the kettle with a cloth.




### Clean the Popcorn Machine Daily


1. Wipe the stainless steel parts with a clean cloth and cleaner designed for stainless steel, such as Gold Medal® Watchdog stainless steel cleaner (item #2088CN).


**DO NOT use oven cleaners, as they will damage parts of the machine.**



# MAINTENANCE INSTRUCTIONS

	<b>⚠ DANGER</b>
	Do <b>NOT</b> immerse any part of this equipment in water. Unplug your machine before servicing.

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

	<b>⚠ CAUTION</b>
	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.





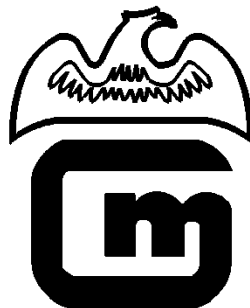
## ORDERING SPARE PARTS

Identify the worn or broken part by checking it with the illustrations and parts list. When ordering your part(s), include part number, part name, and quantity required. Also include your model name and machine serial number (found on nameplate) with your order. Address orders to:

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

Or, place orders at:

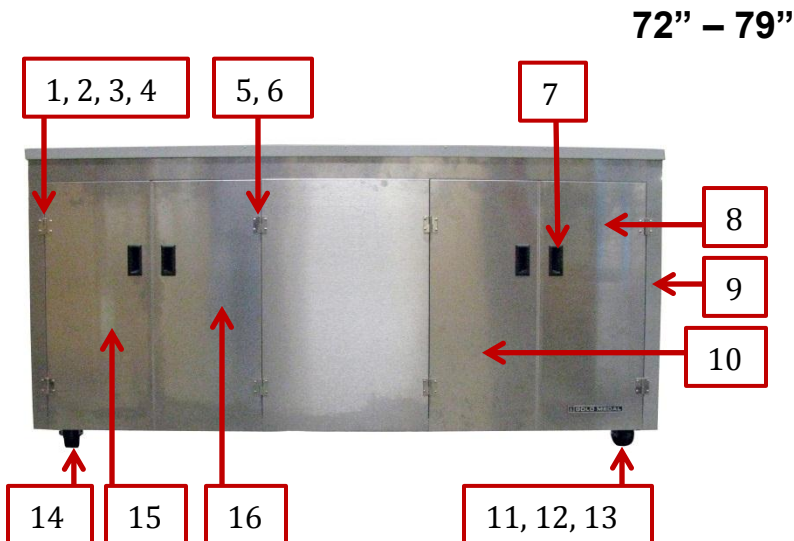
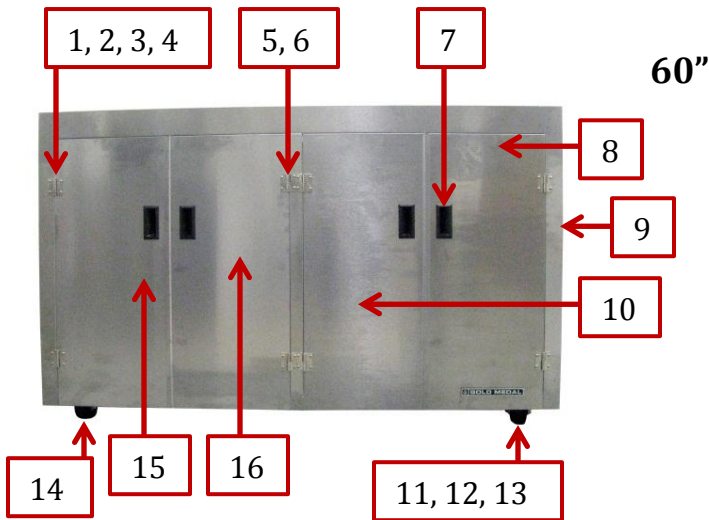
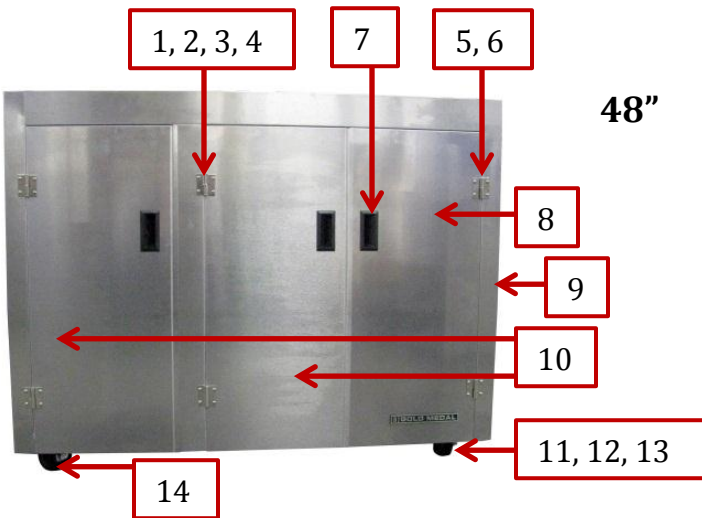
(800) 543-0862  
(513) 769-7676  
Fax: (513) 769-8500  
E-mail: [info@gmpopcorn.com](mailto:info@gmpopcorn.com)  
[www.gmpopcorn.com](http://www.gmpopcorn.com)





# EXTERIOR BASE COMPONENTS

(Pg. 10-11)



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

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
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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

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
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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



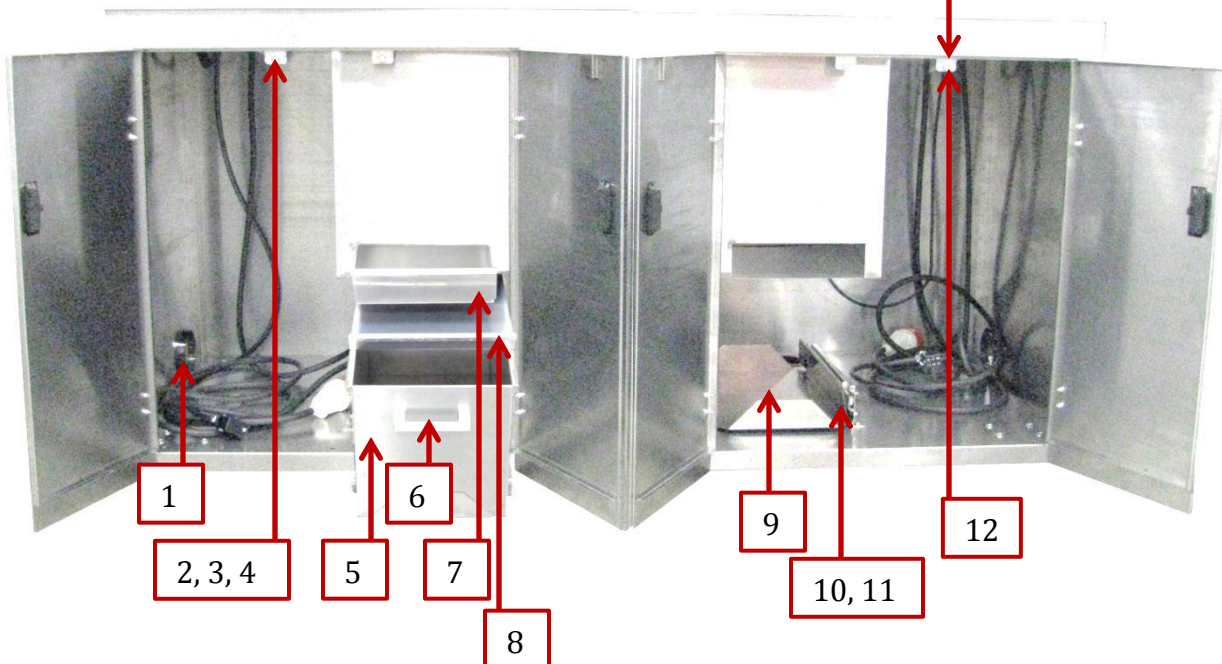
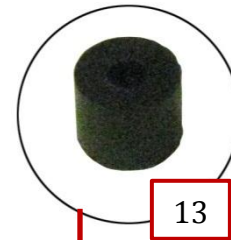
## EXTERIOR BASE COMPONENTS (Continued)



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

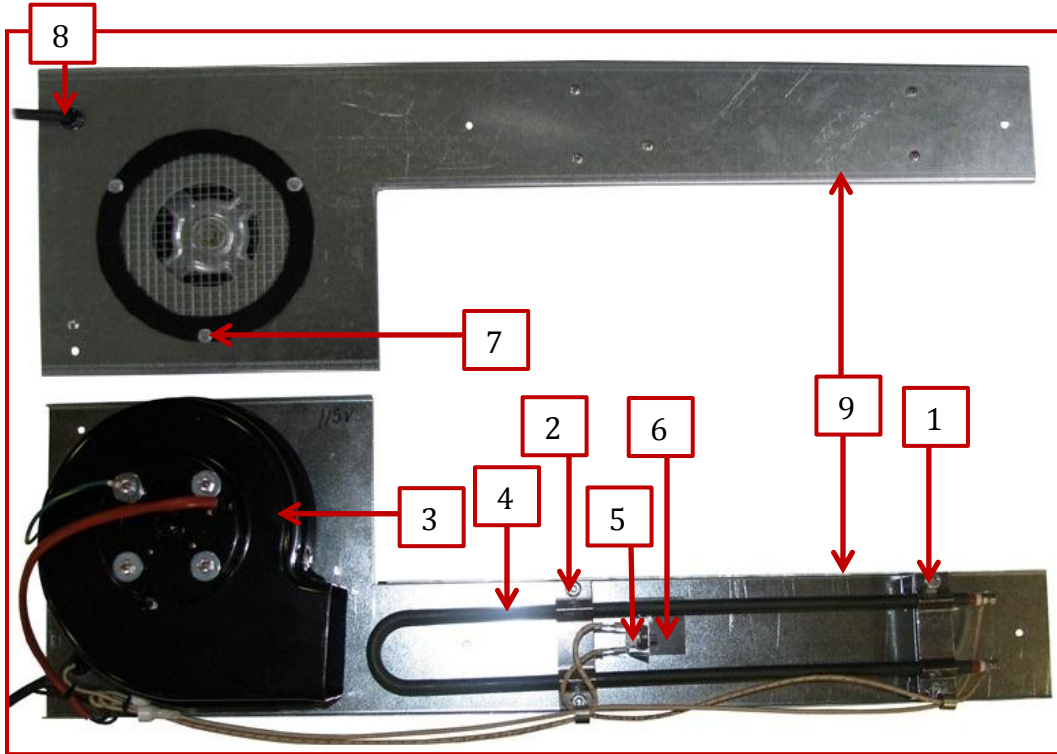
## INTERIOR BASE COMPONENTS

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



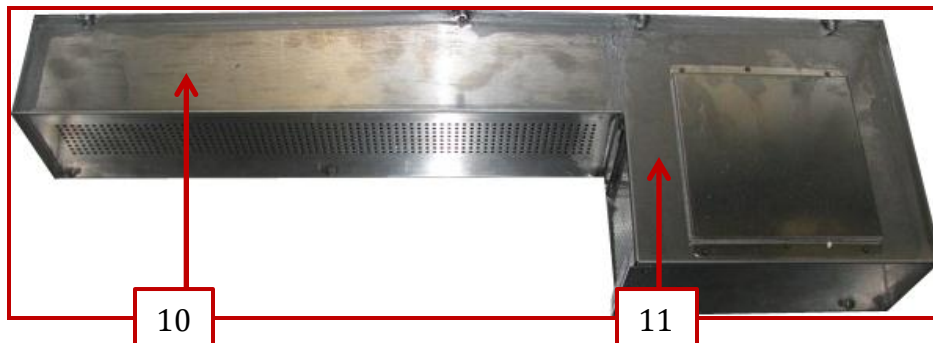


## BLOWER ASSEMBLY PARTS

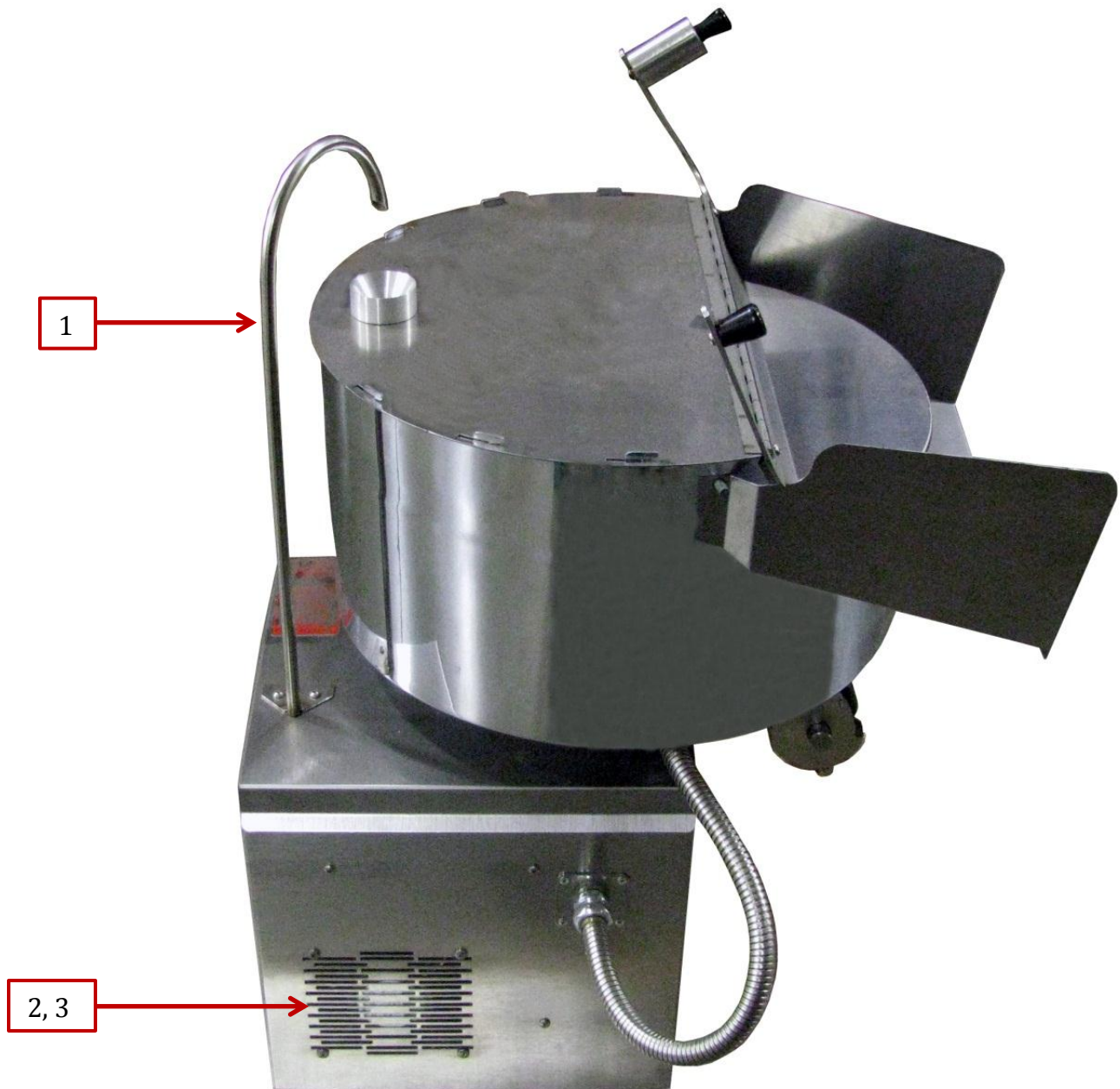


Item	Part No.	Description Export
1	61134	Heater Mount (2)
2	61133	Heater Clamp (2)
3	61124	Blower (1) 230V
4	61135	Heat Element 230V, 800W (1)
5	55496	260F Ceramic Thermostat (1)
6	55500	Thermostat Mounting Bracket (1)
7	76081	#10-24 Cage Nut (3)
8	76026	Strain Relief #SR-6P3-4
9	62094EX	230V Warmer/Blower Assembly (1)
10	61139	Diffuser Cover (1)
11	62158	Blower Cover (1)

Item	Part No.	Description (Domestic)
1	61134	Heater Mount (2)
2	61133	Heater Clamp (2)
3	61123	Blower (1) 120V
4	61128	Heat Element 120V, 800W (1)
5	55496	260F Ceramic Thermostat (1)
6	55500	Thermostat Mounting Bracket (1)
7	76081	#10-24 Cage Nut (3)
8	76026	Strain Relief #SR-6P3-4
9	62094	120V Warmer/Blower Assembly (1)
10	61139	Diffuser Cover (1)
11	62158	Blower Cover



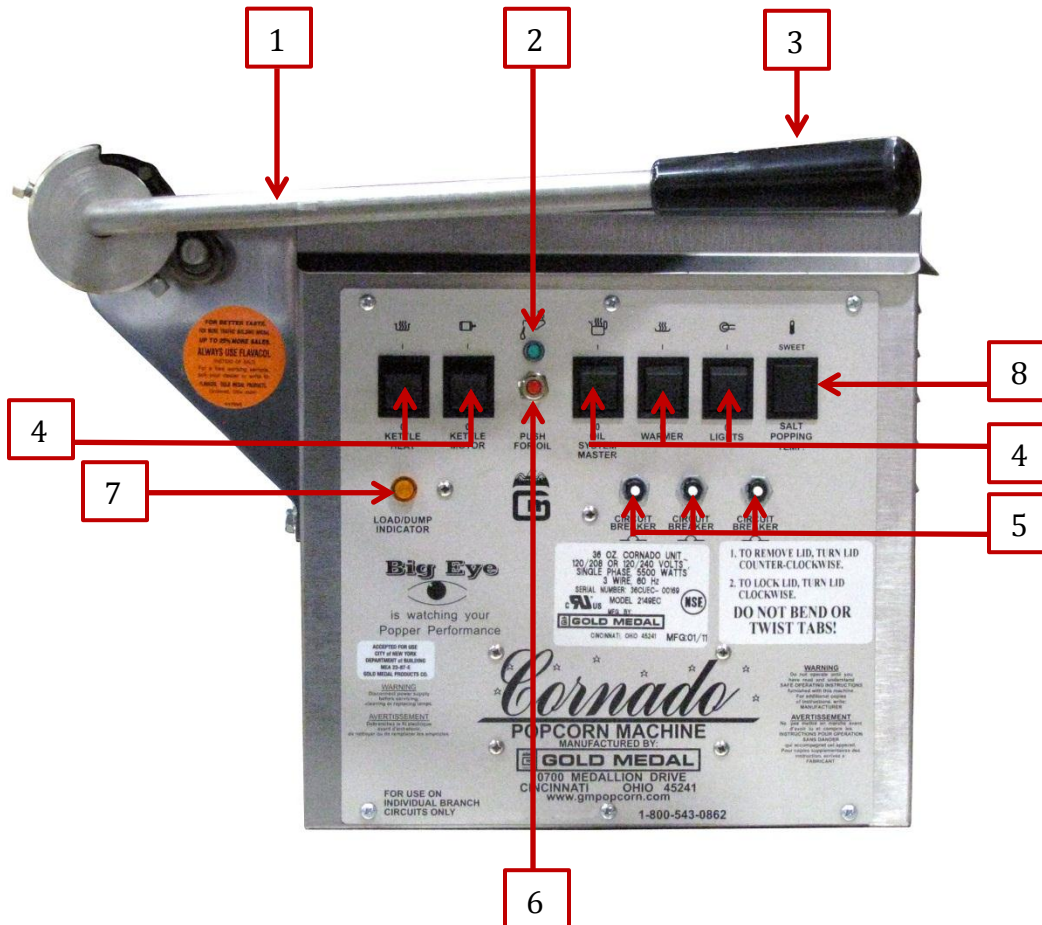
## ENCLOSED CORNADO PARTS



Item	Part No.	Description
1	83587	Oil Tube Assy
2	48018	Exhaust Blower
3	48037	Exhaust Blower (Export)
4	47199	Blower Plug & Cord



# SWITCH PLATE PARTS

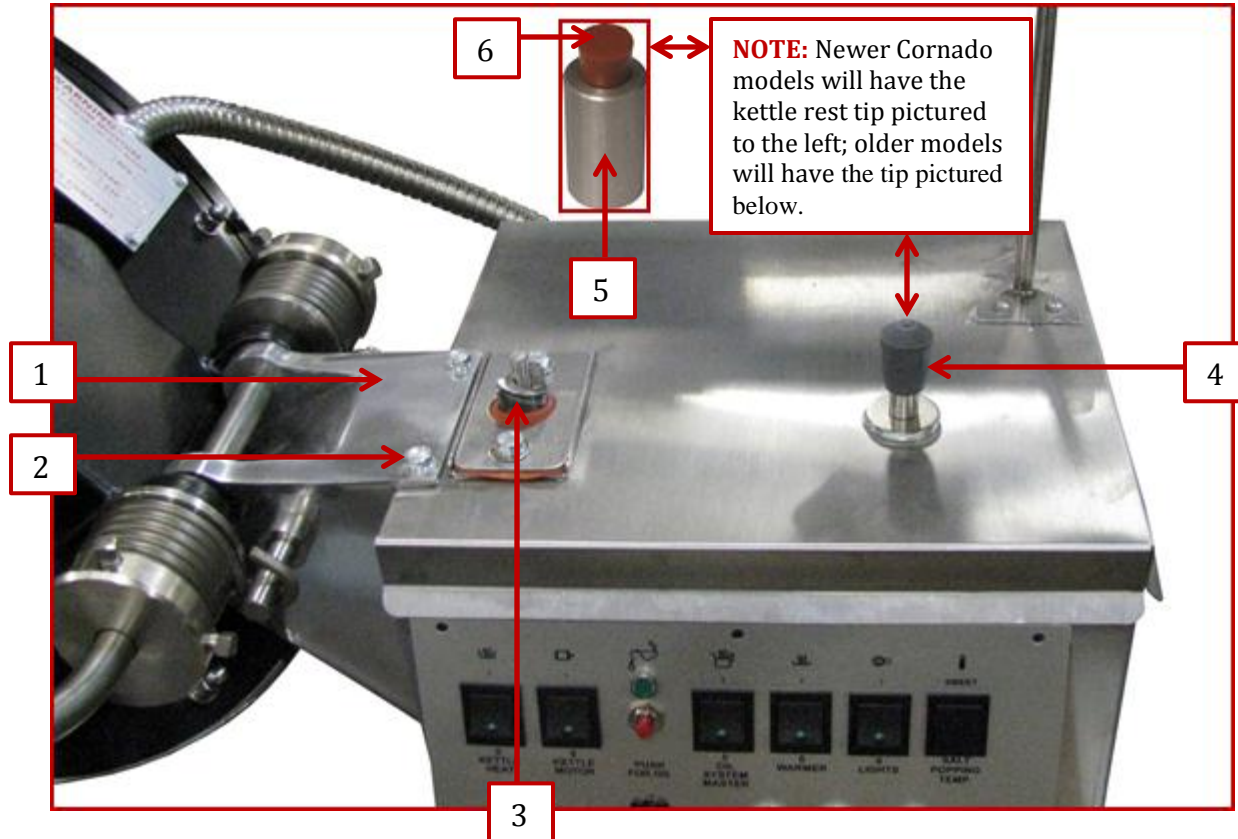


Item	Part No.	Description (Domestic)
1	82253	Dump Lever Assy, Right
	82276	Dump Lever Assy, Left
2	48660	Green Pilot Light
3	57028	Plastic Handle
4	42798	Lighted Rocker Switch
5	47364	Circuit Breaker, 15A
6	41031	Oil Pump Switch
7	55039	Amber Pilot Light
8	55440	Blank Switch Plug

Item	Part No.	Description (Export)
1	82253	Dump Lever Assy, Right
	82276	Dump Lever Assy, Left
2	48660EX	Green Pilot Light
3	57028	Plastic Handle
4	42798	Lighted Rocker Switch
5	48659	Circuit Breaker, 10A
6	41031	Oil Pump Switch
7	55039EX	Amber Pilot Light
8	55440	Blank Switch Plug

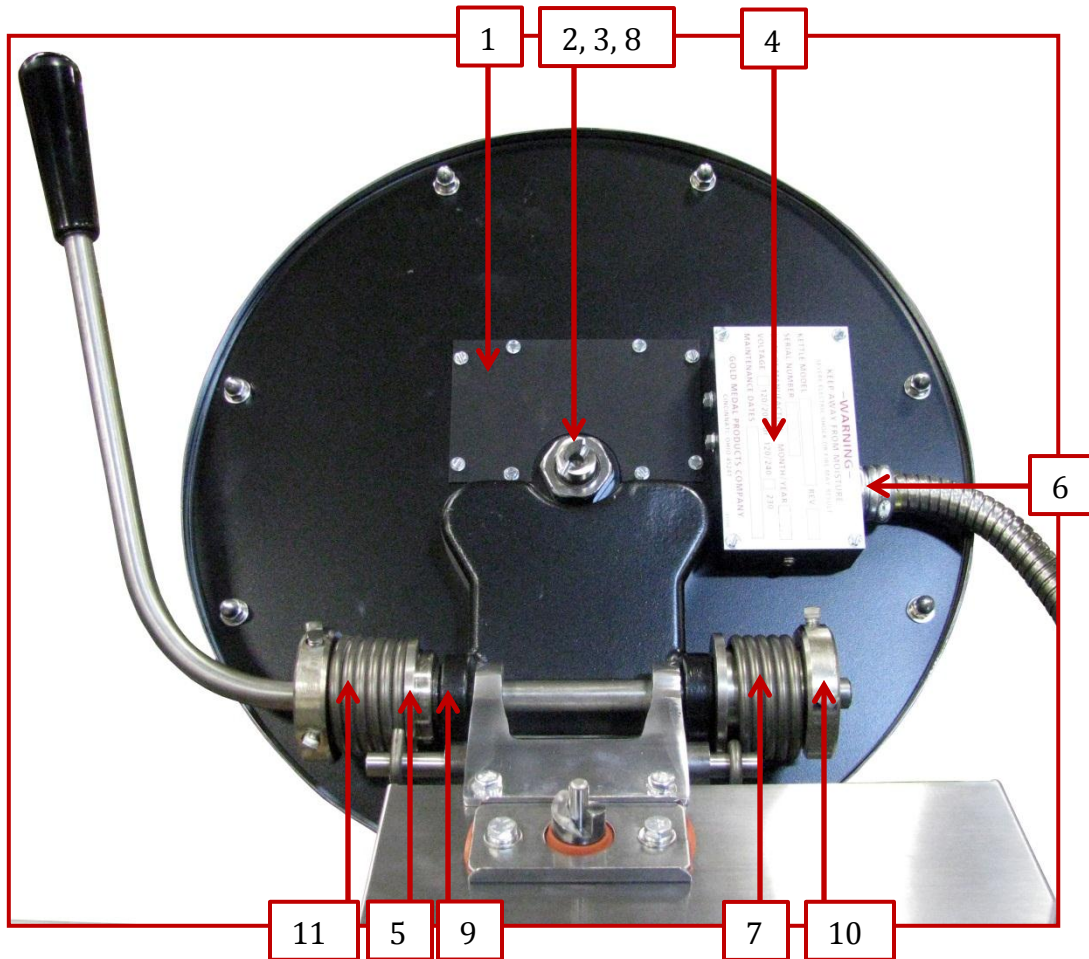


## PEDESTAL PARTS (Pg. 15-16)



Item	Part No.	Description
1	82550	Kettle Mount Bracket
2	82099	Adjusting Plate Assy.
	82328	Flat Plate
	83300	Formed BTM Plate
	79437	Agitator Seal
3	82041	Lower Agitator Drive Shaft Assy.
4	82911	Kettle Rest Crutch Tip
5	83110	Kettle Rest
6	83111	Kettle Rest Bumper

## PEDESTAL PARTS (Continued)



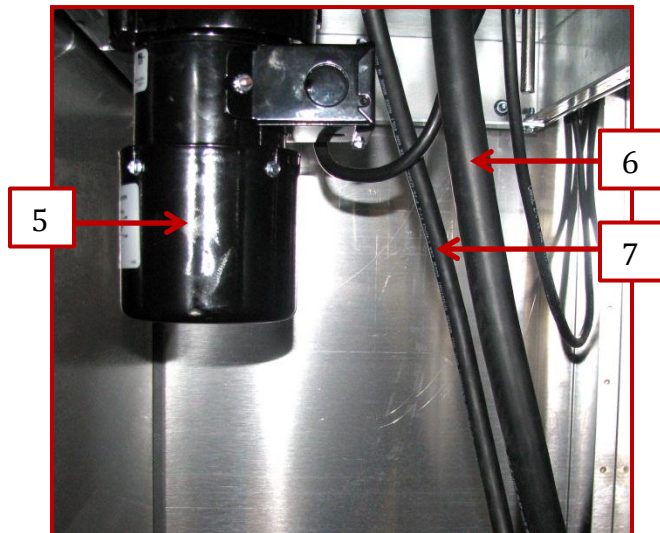
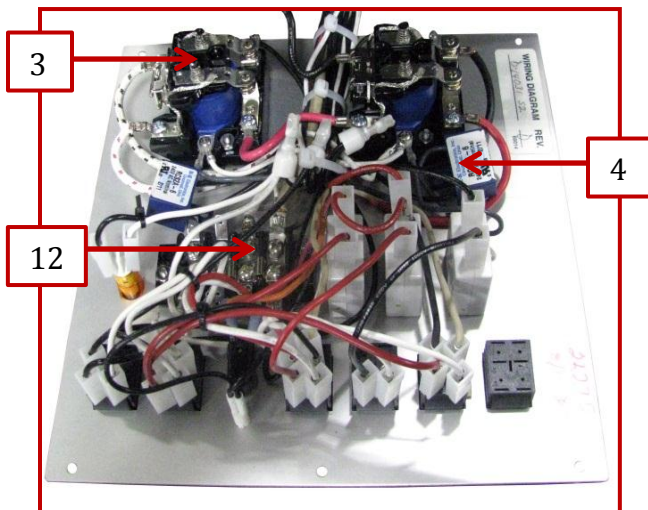
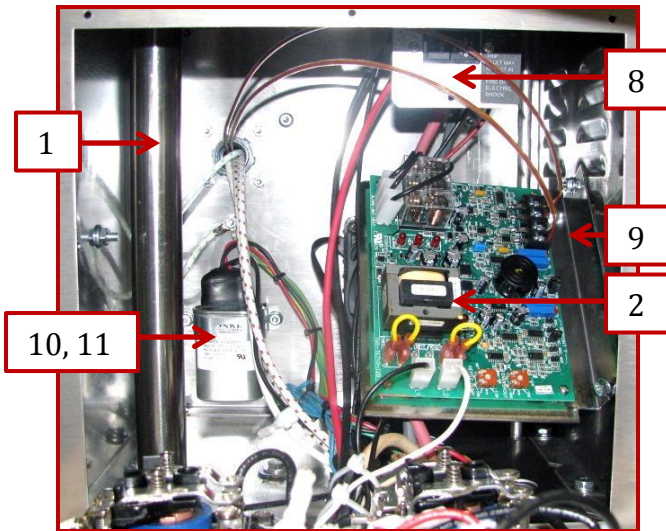
**NOTE:** #11 (P.N 74658) Spacer is located underneath #7 (P.N. 74660) Torsion Spring.

Item	Part No.	Description
1	83267	Cover
2	82137	Hex Jam Nut
3	83287	Agitator Shaft
4	41296	Junction Box Cover
5	74659	Large Spacer (Dump Side)
6	40965	Junction Box Gasket
7	74660	Torsion Spring (2)
8	67852	Thrust Washer
9	47326	Set Collar (2)
10	74661	Collar (2)
11	74658	Spacer (4) Under Torsion Spring



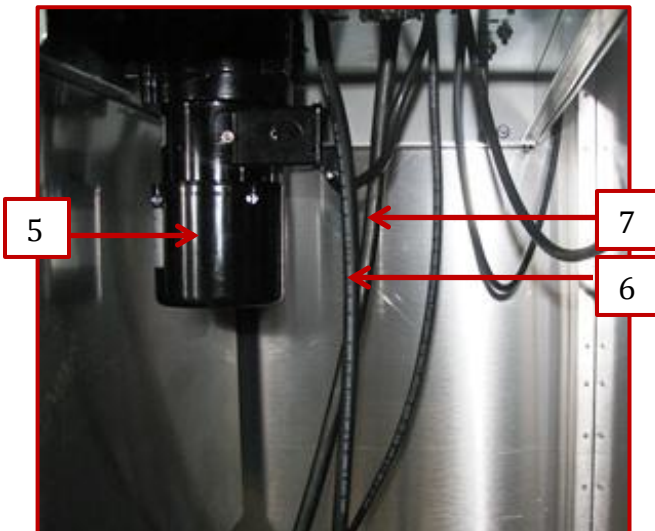
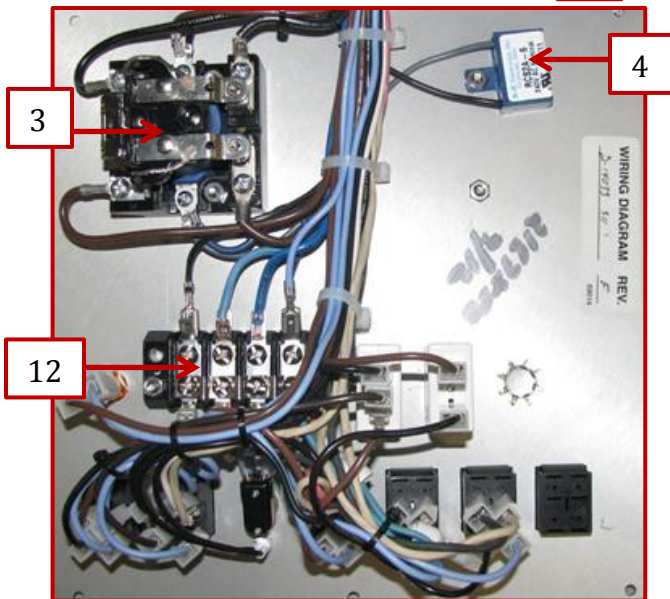
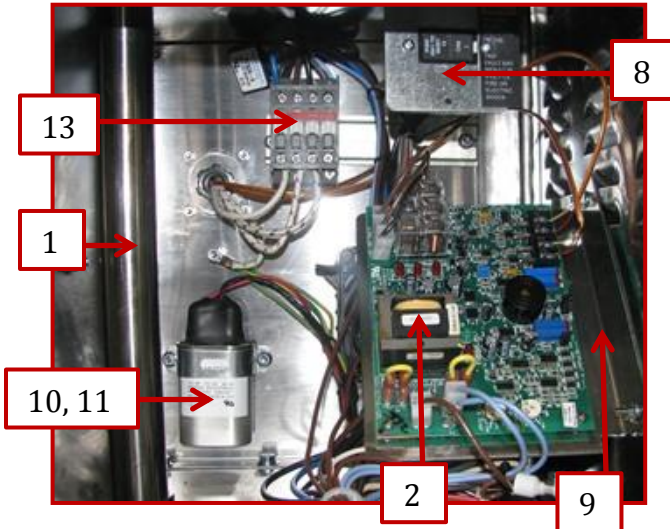


## INSIDE PEDESTAL PARTS (Domestic)



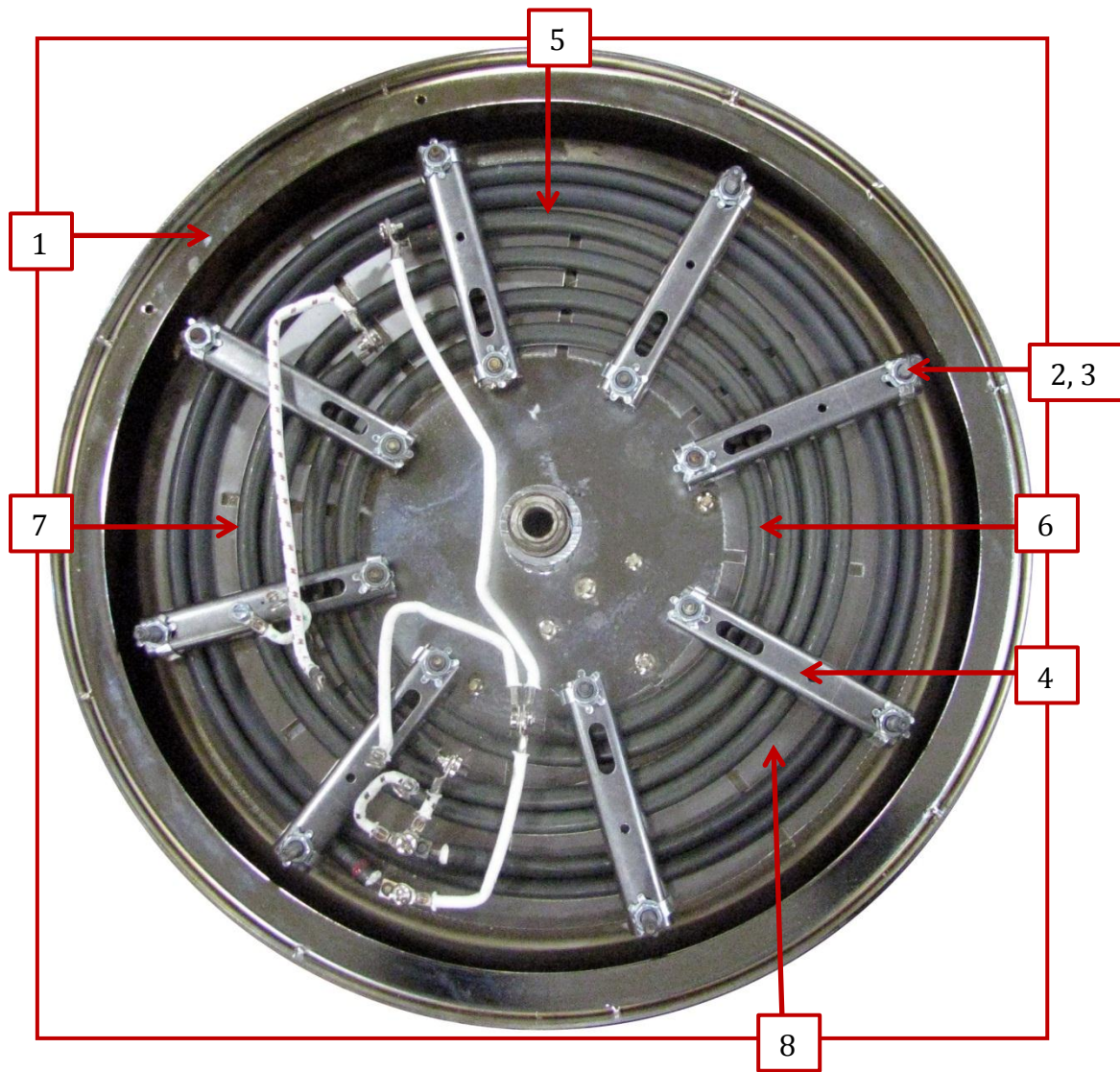
Item	Part No.	Description (Domestic)
1	82072	Shaft Shield
2	41001	Temperature Control
3	55219	120V Relay (x2)
4	89087	240 VAC Transient Filter (x2)
5	41449R	Kettle Drive Motor
6	82209	30 Amp Power Supply Cord (36 oz.)
	70058	50 Amp Power Supply Cord (48 oz.)
7	41499	Oil Pump Wire Harness
8	55223	Circuit Breaker 26A
9	48541	Heat Control Bracket
10	46017	Motor Capacitor 7.5 uf (Black Bison Motor)
	46110	Motor Capacitor 10 uf (White Franklin Motor)
11	48301	Capacitor Strap
12	42066	Terminal Block
	82208	Receptacles 30A (Not Shown)
	82920	50A (Not Shown)

## INSIDE PEDESTAL PARTS (Export)



Item	Part No.	Description (Export)
1	82072	Shaft Shield
2	41001	Temperature Control
3	55219EX	120V Relay (1)
4	89087	240 VAC Transient Filter (2)
5	41500R	Kettle Drive Motor
6	82943	30 Amp Power Supply Cord (36 oz.)
	82943	50 Amp Power Supply Cord (48 oz.)
7	41499	Oil Pump Wire Harness
8	55225	Circuit Breaker 13A
9	48541	Heat Control Bracket
10	46107	Motor Capacitor 7.5 uf (Black Bison Motor)
	46110	Motor Capacitor 10 uf (White Franklin Motor)
11	48301	Capacitor Strap
12	42066	Terminal Block
13	89082	Contactors

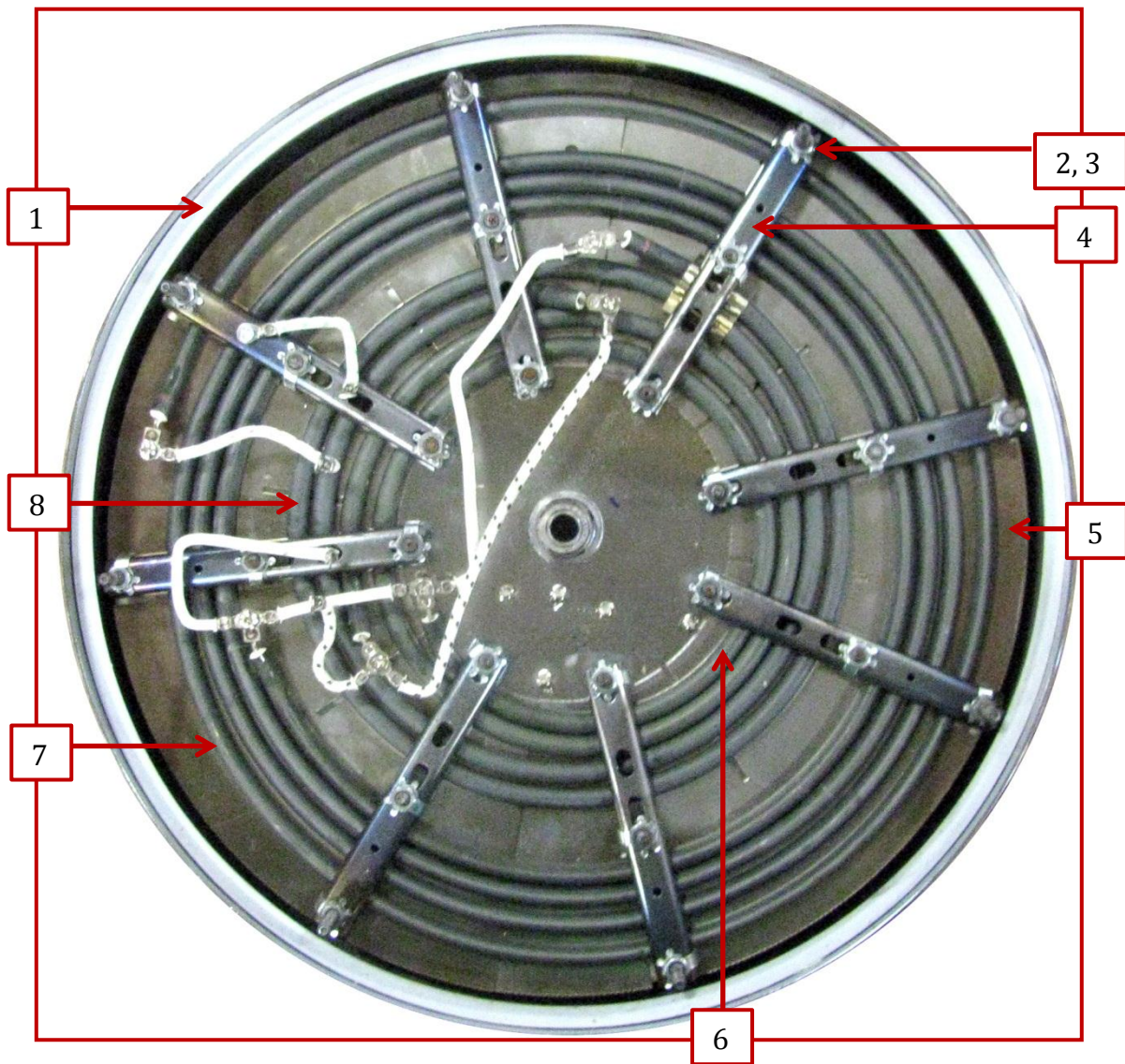
## 36oz. DOMESTIC KETTLE PARTS ASSEMBLY (P.N. 83287E)



Item	Part No.	Description
1	83279	36 oz. Kettle Gasket
2	50190	Nut Retainer (16)
3	74133	Hex Nut (16)
4	68788	Element Clamp
5	48650	120V / 1800W Heat Element
6	48801	120V / 1250W Heat Element
7	82318	120V / 1350W Heat Element
8	82426	Heat Transfer Plate

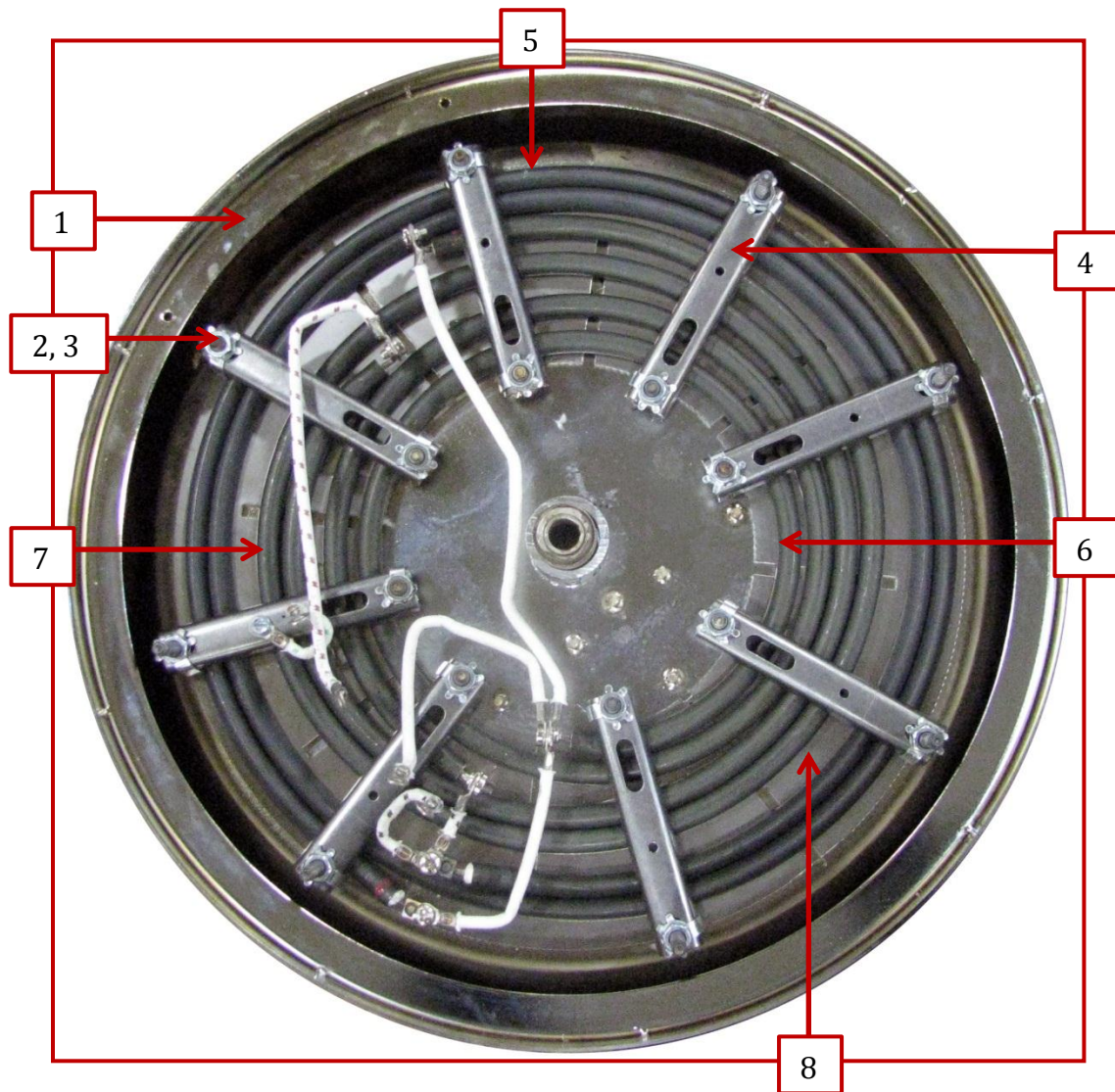


## 48 oz. DOMESTIC KETTLE PARTS ASSEMBLY (P.N. 83288E)



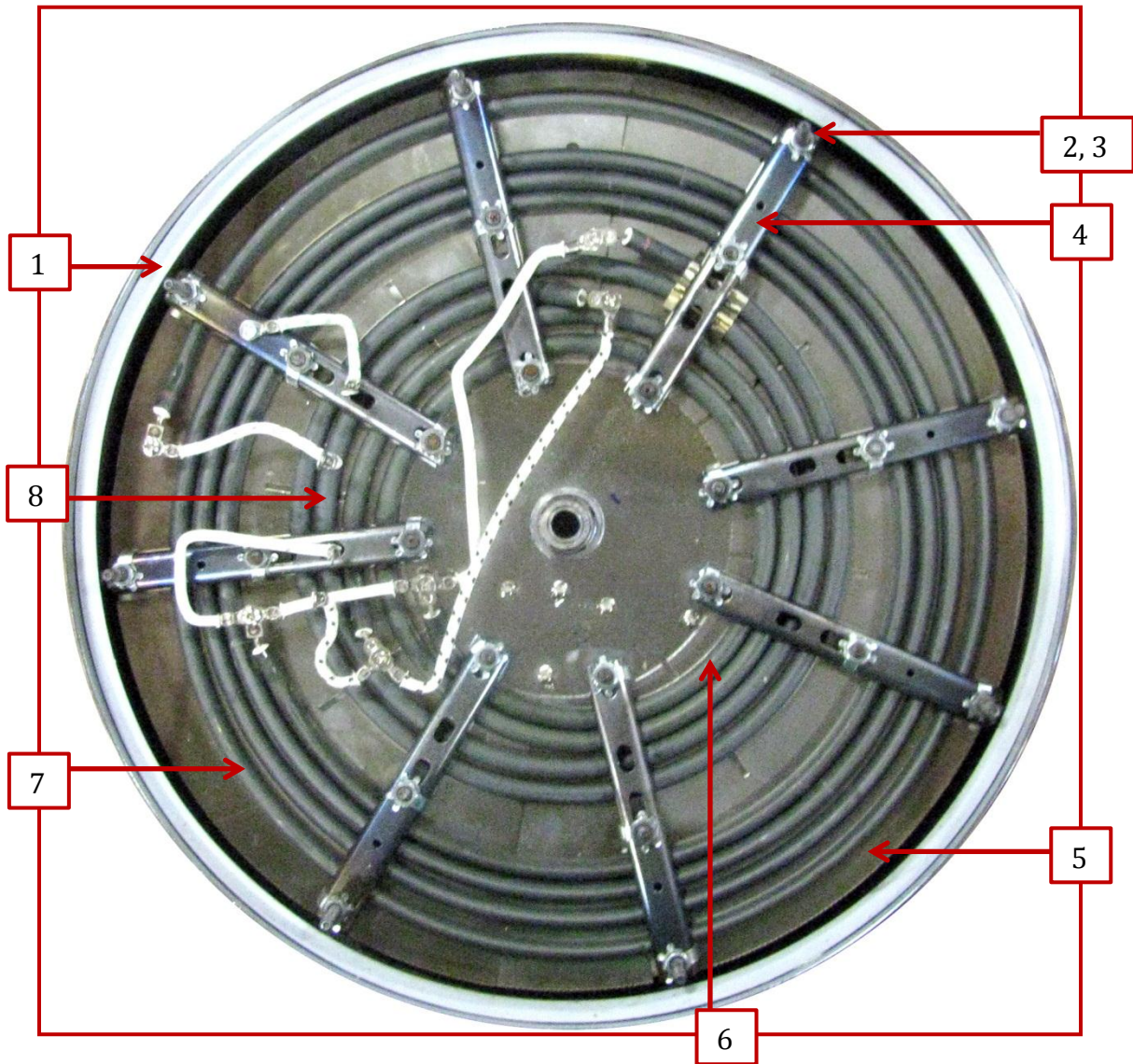
Item	Part No.	Description
1	83280	48 oz. Kettle Gasket
2	50190	Nut Retainer (24)
3	74133	Hex Nut (24)
4	68780	Element Clamp
5	82594	Heat Transfer Plate
6	48651	120V / 1050W Heat Element
7	82597	120V / 2700W Heat Element
8	48800	120V / 1500W Heat Element

## 36oz. EXPORT KETTLE PARTS ASSEMBLY (P.N. 83287EEX)



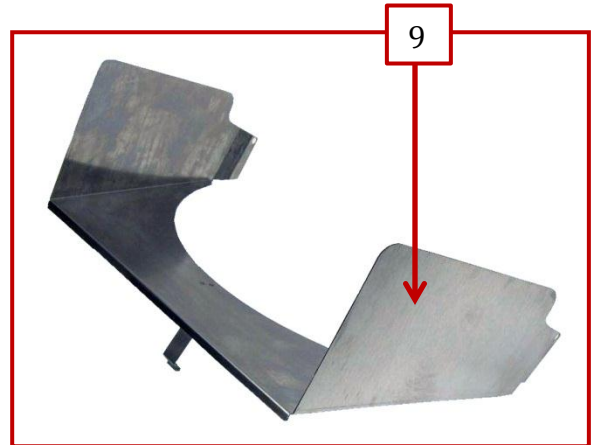
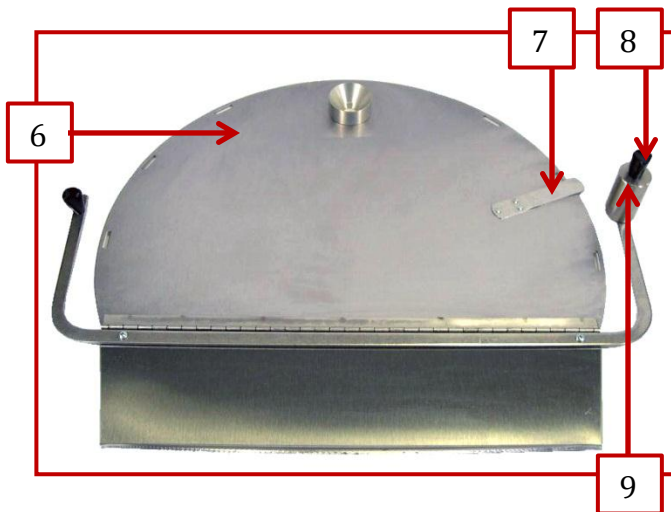
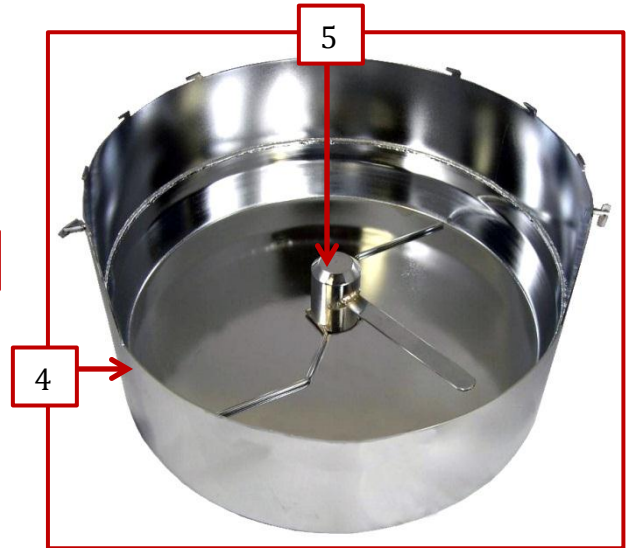
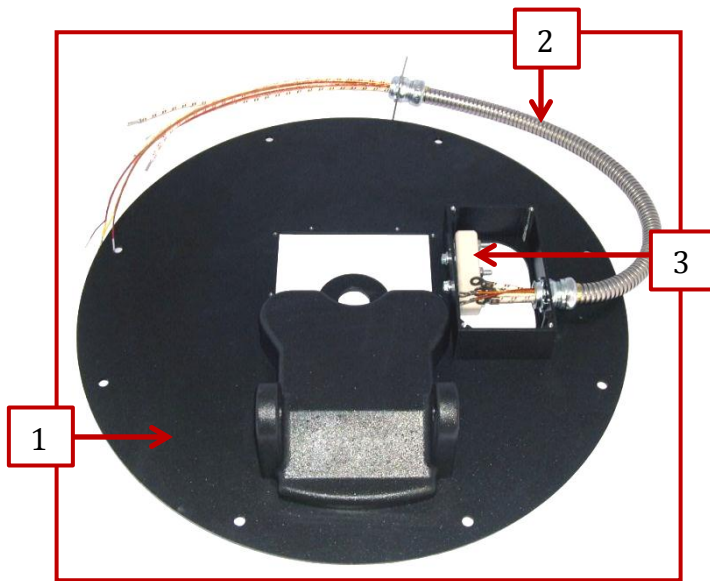
Item	Part No.	Description
1	83279	36 oz. Kettle Gasket
2	50190	Nut Retainer (16)
3	74133	Hex Nut (16)
4	68778	Element Clamp
5	82426	Heat Transfer Plate
6	48650EX	230V / 1800W Heat Element
7	48801EX	230V / 1250W Heat Element
8	82386	220V / 1350W Heat Element

## 48oz. EXPORT KETTLE PARTS ASSEMBLY (P.N. 83286EX)



Item	Part No.	Description
1	83280	48 oz. Kettle Gasket
2	50190	Nut Retainer (24)
3	74133	Hex Nut (24)
4	68780	Element Clamp
5	82594	Heat Transfer Plate
6	48651EX	230V / 1050W Heat Element
7	82598	230V / 2700W Heat Element
8	48800EX	230V / 1500W Heat Element

## KETTLE PARTS ASSEMBLY

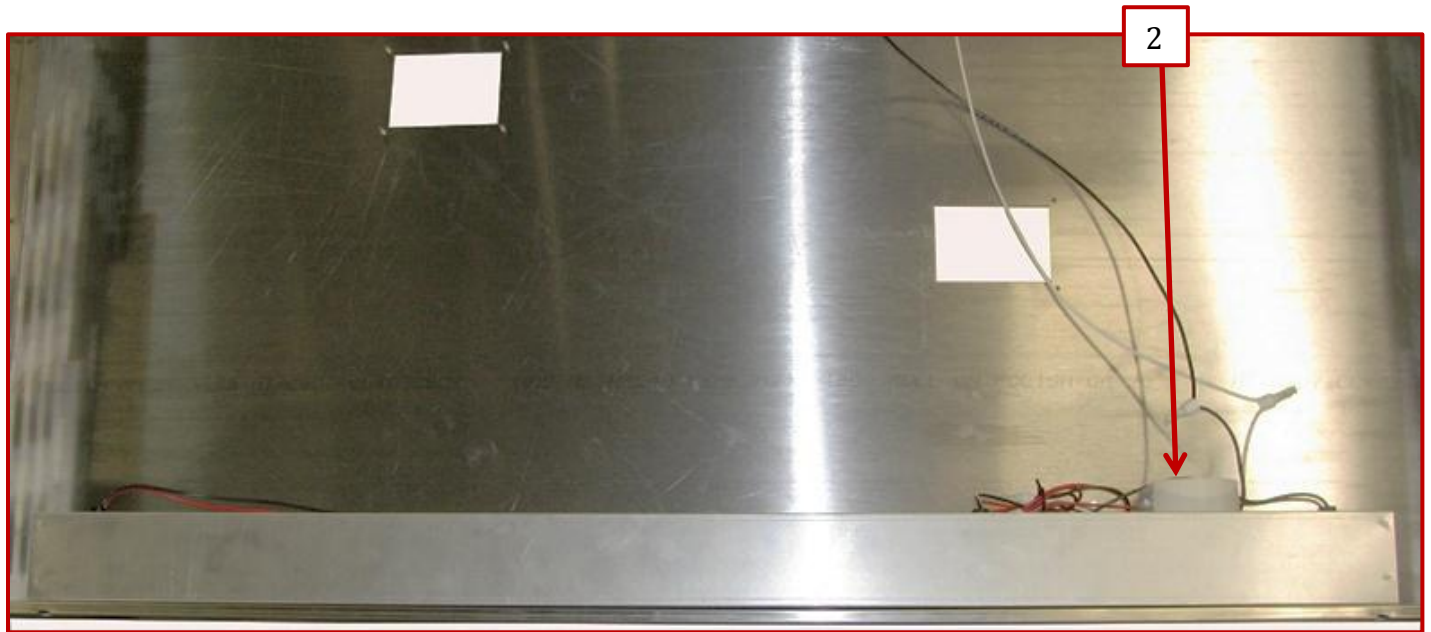
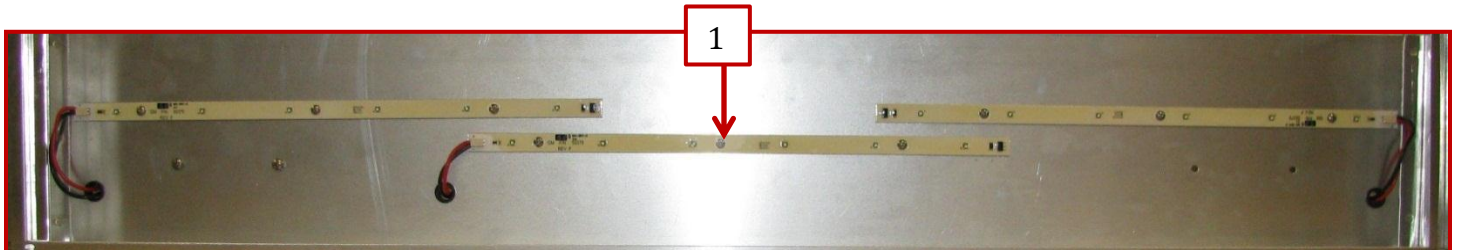


Item	Part No.	Description (36oz Kettle)
1	83258	Kettle Base Plate
2	83552	Kettle Lead Assy.
3	41129	Terminal Block
4	83256	Kettle Welded Assy.
5(A)	83292	36oz. Agitator Assy.
5(B)	83347	36oz Agitator Assy. (EX)
6	83044	Kettle Lid - Right Hand
	83044L	Kettle Lid - Left Hand
7	68108	Spring Catch
8	47120	Knob
9	83144	Counterweight
10	82636	Dump Chute

Item	Part No.	Description (48oz Kettle)
1	83264	Kettle Base Plate
2	55314	Kettle Lead Assy.
	83552	Kettle Lead Assy. (EX)
3	41129	Terminal Block
4	83265	Kettle Welded Assy.
5(A)	83293	48 oz. Agitator Assy.
5(B)	83344	48oz Agitator Assy. (EX)
6	83046	Kettle Lid - Right Hand
	83046L	Kettle Lid - Left Hand
7	68108	Spring Catch
8	47120	Knob
9	83144	Counterweight
10	82830	Dump Chute Assy.

# LIGHTING AND DOME ASSEMBLY PARTS (Pg24-25)

## LED Lighting Assembly



Item	Part No.	Description (LED Assy.)
1	55379	1 Watt LED Strip (3)
2	55350	25 Watt Power Supply (1)
3	82473	Lighted Sign (1) 48" & 60"
	82719	Lighted Sign (1) 72"



# LIGHTING AND DOME ASSEMBLY PARTS (Continued)

## Neon Lighting Assembly



Item	Part No.	Description (Neon)
1	55231	12VDC Powr Supply (1)
2	67488	Bottom Sign Bracket (2)
3	67524	Neon Sign Assembly



## WARRANTY

WE WARRANT to the original purchaser the Gold Medal equipment sold by us to be free from defects in material or workmanship under normal use and service. Our obligation under this warranty shall be limited to the repair or replacement of any defective part for a period of six (6) months from the date of sale to the Original Purchaser with regard to labor and two (2) years with regard to parts and does not cover damage to the equipment caused by accident, alteration, improper use, voltage, abuse, or failure to follow instructions.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, AND OF ALL OTHER OBLIGATIONS OR LIABILITIES ON OUR PART, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. We neither assume, nor authorize any other person to assume for us, any other obligation or liability in connection with the sale of said GOLD MEDAL equipment or any part thereof.

The term "Original Purchaser" as used in this warranty shall be deemed to mean that person, firm, association, or corporation who was billed by the GOLD MEDAL PRODUCTS COMPANY, or their authorized distributor for the equipment.

THIS WARRANTY HAS NO EFFECT AND IS VOID UNLESS THE ORIGINAL PURCHASER FIRST CALLS GOLD MEDAL PRODUCTS COMPANY AT 1-800-543-0862 TO DISCUSS WITH OUR SERVICE REPRESENTATIVE THE EQUIPMENT PROBLEM, AND, IF NECESSARY, FOR INSTRUCTIONS CONCERNING THE REPAIR OR REPLACEMENT OF PARTS.

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



**GOLD MEDAL PRODUCTS COMPANY**  
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