VULCAN

SERVICE & PARTS MANUAL

1024, 1036, 1048 CHEESEMELTER

MODELS	
1024C	ML-103833
1024W	ML-103834
1024P	ML-103835
1036C	ML-103836
1036W	ML-103837
1036P	ML-103838
1048C	ML-103839
1048W	ML-103840
1048P	ML-103841

Model 1036W

For additional information on Vulcan-Hart or to locate an authorized parts and service provider in your area, visit our website at www.vulcanhart.com

VULCAN-HART
DIVISION OF ITW FOOD EQUIPMENT GROUP, LLC
WWW.VULCANHART.COM

P.O. BOX 696, LOUISVILLE, KY 40201-0696
TEL. (800) 814-2028

FORM 31087C (February 2026)

PARTS REPLACEMENT

WARNING: DISCONNECT THE ELECTRICAL POWER TO THE MACHINE AND FOLLOW THE LOCKOUT / TAGOUT PROCEDURES.

HEATER (Fig. 1)

1. Push one end of the heater into one socket as far as it will go.
2. Swing the other end of heater up until it lines up with the opposite socket.
3. Release heater and it will snap into place.
4. Grasp the heater and move it back and forth to ensure that it is centered correctly.
5. Rotate the heater clockwise, then counterclockwise, to ensure that it is seated correctly.

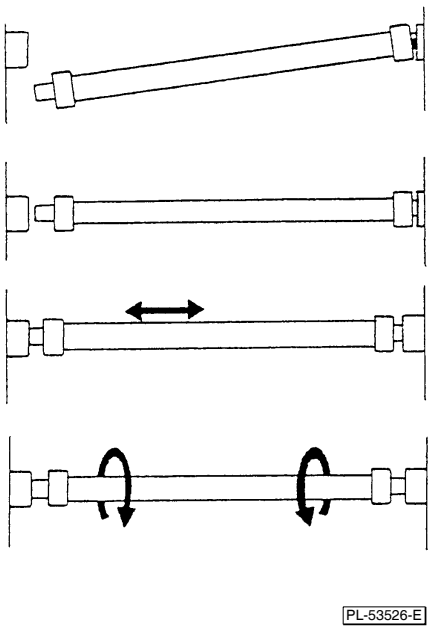


Fig. 1

COOLING FANS

1. Remove the access panel on the left side of the cheesemelter.
2. Unscrew the four mounting screws.
3. Disconnect the fan leads and lift out the fan.
4. Install new fan.
    - Make sure that all wires are enclosed by the nylon wire clamps so that none of the wires can reach the fan blades.

The cooling fan should blow air into the control compartment. An arrow on the fan housing indicates the direction of air flow.

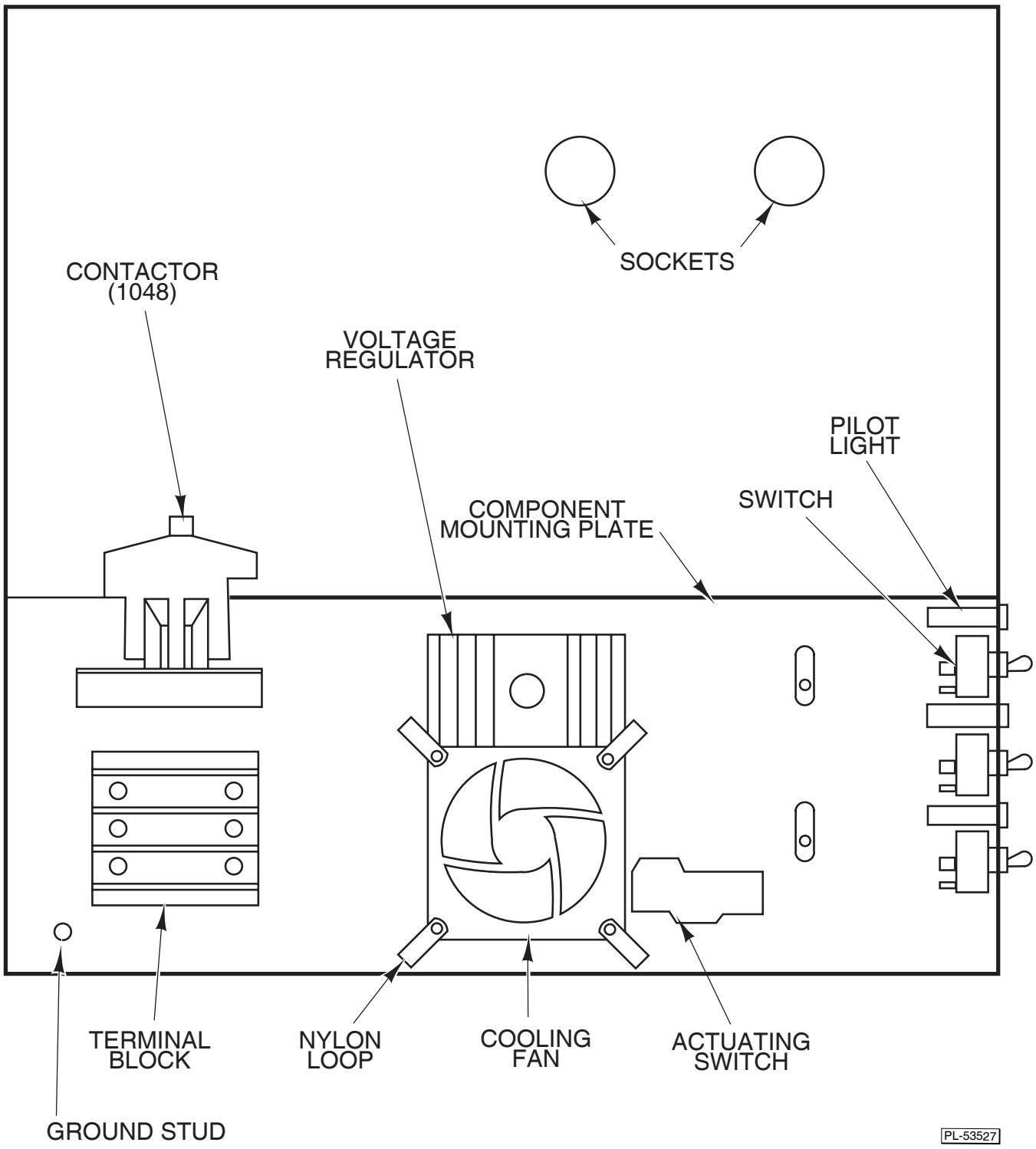
COMPONENT REPLACEMENT

1. Remove the access panel on the left side.
2. Remove all screws holding down the cover.
3. Lift cover straight up.

Replacement of the voltage regulator, actuating switch, main terminal block, or the contactor (1048 only) will require removing the component mounting plate.

1. Disconnect the wires from the on pilot light and the switches.
2. Tag or mark the wires to ensure correct replacement.
3. Remove the two mounting screws.
    - One is located at the bottom left of the voltage regulator.
    - The other is located under the lower part of the cooling fan. This screw can be reached through the blades of the fan.
4. Remove the component mounting plate and replace the component. Make sure that the screw that operates the actuating switch is above the switch lever.

COMPONENT LOCATION DRAWING



COMPONENT LOCATION (VIEW OF LEFT SIDE WITH COVER REMOVED)

TROUBLESHOOTING

(See component location drawing on page 4.)

WARNING: DISCONNECT THE ELECTRICAL POWER TO THE MACHINE AND FOLLOW THE LOCKOUT / TAGOUT PROCEDURES.

IF THE UNIT BLOWS A FUSE OR TRIPS A CIRCUIT BREAKER

1. Check the capacity of the circuit.
2. Short circuits may be accompanied by sputtering sounds or sparks.

IF THE HEATERS DO NOT LIGHT

1. If the pilot light does not come on, and the cooling fan does not run, check for a blown fuse or an open circuit breaker.
2. Check for failure of the main switch.
3. On the 1048, check for contactor failure.
4. Check for a loose wiring connection.
5. If the pilot light is lit, and the cooling fan is running, but the heaters do not light, check for loose wiring connections. When the cheesemelter is operating in standby with no product on the rack, the heaters may not glow, but will still emit some heat.
6. If one heater is lit, but the other is not, a burnout or a loose connection is the probable cause. Also, check that the heater is properly seated in its socket.

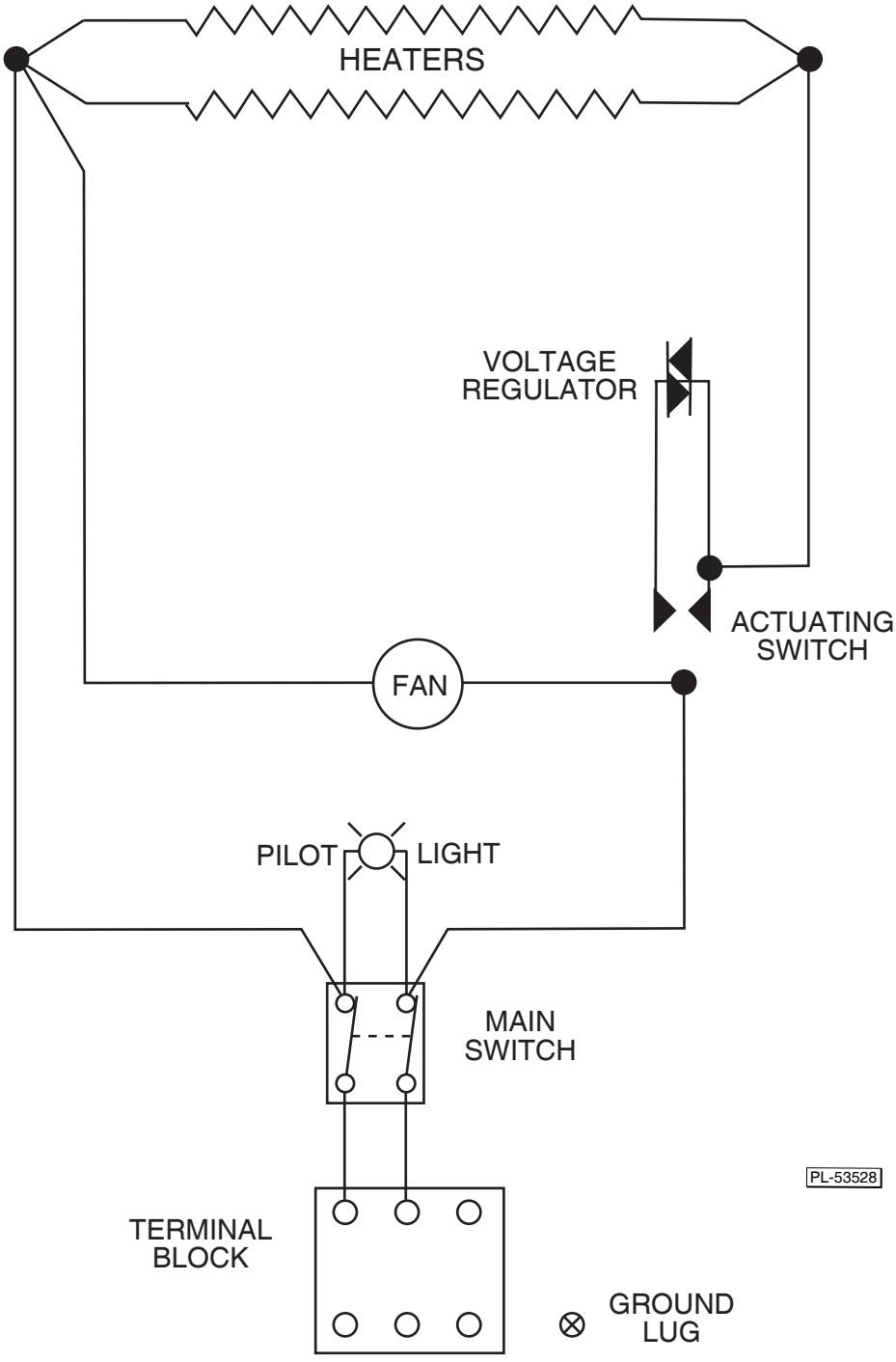
IF THE COOLING FAN DOES NOT RUN

1. If the pilot light is not lit, and the heaters do not light, check for a blown fuse or open circuit breaker.
2. If the pilot light is lit and the heaters function, the probable cause is a loose connection.

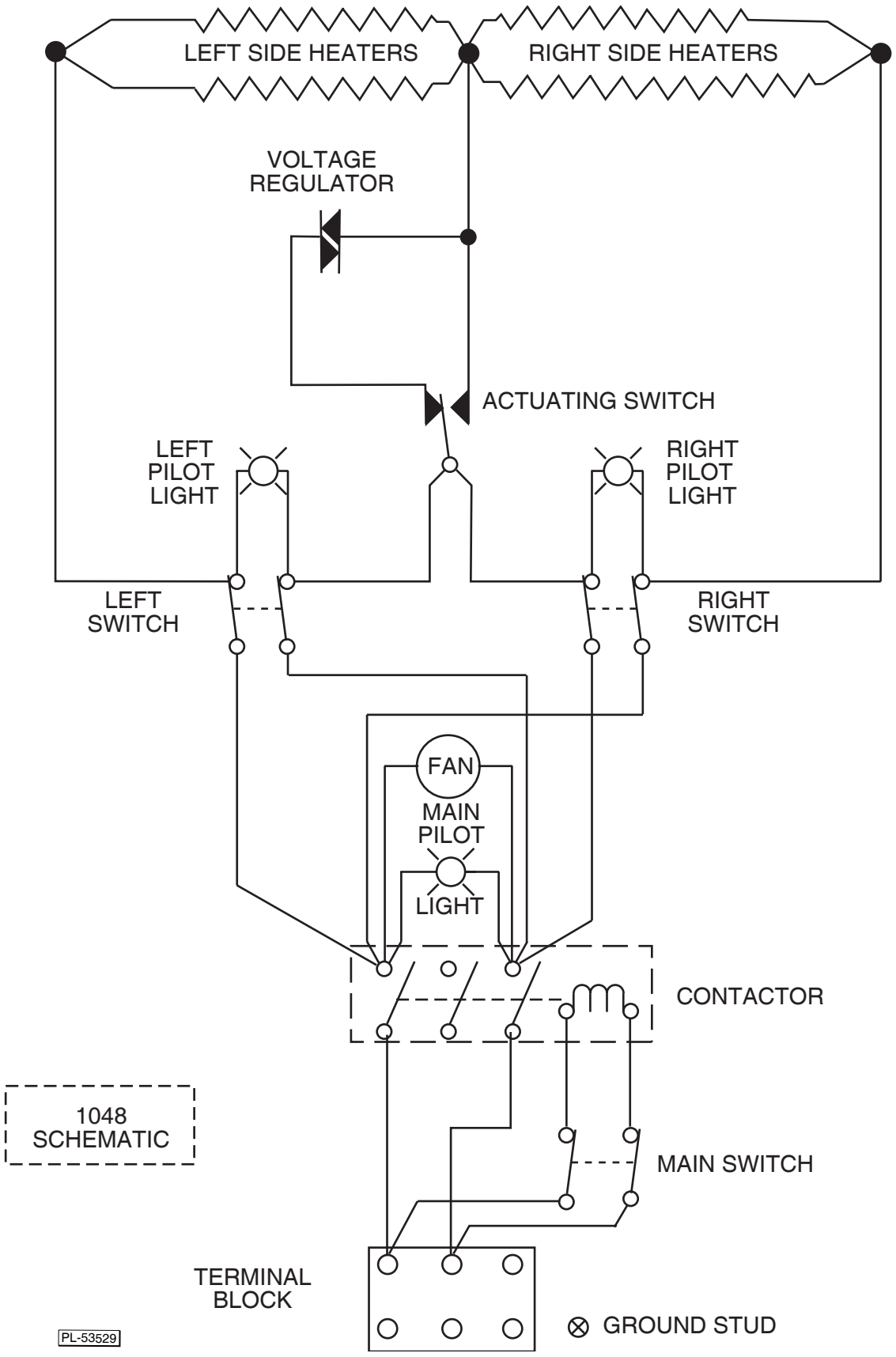
IF THE HEATERS DO NOT COME UP TO FULL HEAT WHEN THE PRODUCT IS PLACED ON THE RACK

1. Be sure that the product is on the front half of the rack. The rack is balanced to trip the actuating switch, but the weight must be on the front half of the rack to ensure that it does so.
2. Check that the rack is at the same level on both sides and is correctly inserted.
3. If the rack operates freely, the failure of the actuating switch is the probable cause.

ELECTRICAL SCHEMATIC 1024 & 1036



ELECTRICAL SCHEMATIC 1048



ITEM NO.	DESCRIPTION	PART NUMBER		
		1024	1036	1048
1	Heater (208V)	825536	825331	825300 (1050w)
2	Heater (240V)	825538	825332	825301 (1050w)
3	Heater Socket	825098	825098	825098
4	Pilot Light	825100	825100	825100
5	Main Switch	00-825100-00011	00-825100-00011	00-825100-00011
6	Left/Right Heat Switch	—	—	825100-10
7	Contactor	—	—	825126-10
8	Terminal Block	825126-40	825126-40	825126-40
9	Voltage Regulator	825128-90	825128-90	825128-90
10	Cooling Fan	825100-80	825100-80	825100-80
11	Fan Guard	825100-50	825100-50	825100-50
12	Actuating Switch	825150-90	825150-90	825150-90
13	Counter Leg—Thermoplastic	825172-50	825172-50	825172-50
14	Rack	825168-20	825172-10	825168-30
15	Outside Cover Mounting Screws	SC-066-21	SC-066-21	SC-066-20
16	Heat Shield/Deflector	825083	825083-10	825083 (2)
17	Ceramic Wire Nuts	FE-009-34	FE-009-34	FE-009-34
18	Rack Stop	825072	825072	825072
19	Access/Control Box Cover	825195	825195	825195
20	Access Panel Screws	SC-053-38	SC-053-38	SC-053-38
21	LH Pivot (2 Position)	825196	—	—
22	RH Pivot (2 Position)	825199	—	—
23	LH Pivot (4 Position)	825071	825071	825071
24	RH Pivot (4 Position)	825071-10	825071-10	825071-10
25	Switch - Slide (2 Slots)	825198	825198	825198
26	Switch - Slide (4 Slots)	825073	825073	825073
27	Slide Bracket	825073	825073	825073
28	Nut	NS-011-18	NS-011-18	NS-011-18
29	Screw	SC-119-65	SC-119-65	SC-119-65
30	Screw	SC-119-23	SC119-23	SC-119-23
31	Washer	WS-002-25	WS-002-25	WS-002-25
32	Lockwasher	WL-014-07	WL-014-07	WL-014-07
33	Lockwasher	WL-006-07	WL-006-07	WL-006-07
34	Legs—Metal	804405	804405	804405