



# KEATING OF CHICAGO, INC.

8901 West 50th Street • McCook, Illinois 60525-6001

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Keating of Chicago, Inc.

Company: \_\_\_\_\_

Attention: \_\_\_\_\_

Number of Pages: \_\_\_\_\_ (Includes cover page)

## Service Instructions

*For Qualified Service Technicians Only*

### Gas & Electric Pasta Cookers

Common Problems	Model	Solutions (Follow Sequentially)
Water Always Filling	Gas or Electric	<ol style="list-style-type: none"> <li>1. Clean sensors thoroughly with brush and vinegar</li> <li>2. Adjust the sensitivity of the B Board (for the top sensor) fully clockwise.</li> <li>3. If filling persists, ground out the top sensor (if filling stops, replace sensor – part #010212).</li> <li>4. If filling persists after grounding the sensor, replace the B board (part #001166)</li> </ol>
Water Never Fills	Gas or Electric	<ol style="list-style-type: none"> <li>1. Turn water switch (far right) 'on.'</li> <li>2. Clean sensors thoroughly with the brush and vinegar.</li> <li>3. Adjust the sensitivity of the B board (for the top sensor) fully counter clockwise (follow instruction sheet).</li> <li>4. Remove the wire from the top sensor. If filling begins, replace sensor (part #010212).</li> <li>5. If water does not fill, place a jumper wire across terminals A &amp; C on the B board. If filling begins, replace B board (Part #001166).</li> <li>6. If water does not fill, replace water solenoid (Part #008133).</li> </ol>
Runner Bar Will Not Light	Gas	<ol style="list-style-type: none"> <li>1. Remove and clean the flame switch bulb in the runner bar, enabling it to get red hot.</li> <li>2. Reposition flame switch bulb in the runner bar, enabling it to get red hot.</li> <li>3. Replace flame switch (Part #004311)</li> </ol>
Timers Counting Down In The Wrong Mode (Not Minutes or Seconds)	Gas or Electric	<ol style="list-style-type: none"> <li>1. Reset the timer (see instructions).</li> </ol>



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Common Problems	Model	Solutions (Follow Sequentially)
Water Leaking in the Rear of the Pasta Cooker	Gas or Electric	1. Replace fill hose (Part #033495 - sold per foot)
Breakers Continue to Trip	Electric	<ol style="list-style-type: none"> <li>1. Ensure all wires to the contactors, breakers and elements are tight.</li> <li>2. Verify water is not getting on any components.</li> <li>3. Check contactors for proper operation.</li> <li>4. Check continuity on elements.</li> <li>5. Replace breaker.</li> </ol>
Heating elements or burners won't come on (gas runner bar may be lit)	Gas or Electric	<ol style="list-style-type: none"> <li>1. Verify operating instructions in the manual.</li> <li>2. Clean the sensors with brush and vinegar</li> <li>3. Adjust sensitivity of the A board (for the lower sensor) fully clockwise (follow instruction sheet).</li> <li>4. Place the wire attached to the lower sensor to ground (if heating begins, replace sensor – part #010212).</li> <li>5. If heating does not begin, place a jumper wire across terminals A &amp; C on the A board. If heating begins, replace the A board (part #001167).</li> </ol>
Unit is out of power	Gas or Electric	<ol style="list-style-type: none"> <li>1. Check electrical connection.</li> <li>2. Check fuses.</li> <li>3. Check Hi-limit control.</li> </ol>
Unit is powered, Runner Tube cannot be started	Gas	<ol style="list-style-type: none"> <li>1. Check gas connection.</li> <li>2. Check the gas valve.</li> <li>3. Check the spark ignition electrode and spark ignition module if there is no spark on the electrode.</li> </ol>
Runner Tube is starting but cannot hold the flame	Gas	<ol style="list-style-type: none"> <li>1. Clean flame sensor switch.</li> <li>2. Check electrical connection to the flame switch.</li> <li>3. (spark ignition only) Check spark ignition electrode</li> <li>4. (spark ignition only) Check electrical grounding.</li> </ol>



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Water is not filling pot	Gas or Electric	<ol style="list-style-type: none"> <li>1. Check water ON-OFF switch.</li> <li>2. Check water line connection.</li> <li>3. Check water solenoid valve. Use manual fill switch to bypass control circuits. This will show if water solenoid valve works.</li> <li>4. Clean sensors located in a tube at the right front corner of the pot close to canopy</li> <li>5. Check upper sensor. Be sure it is clean.</li> <li>6. Check B board. It is located inside box on right side of front leg channel. It is marked LLC14B1AX on the side of the relay or B on top of it. It is extremely important that the boards are dry in order to work properly! Check the line on top of transformer. If it is black all the way, this board has been overheated and is not going to work. Check electrical grounding. Adjust the sensitivity of the board:               <ol style="list-style-type: none"> <li>a. Locate the potentiometer on the board.</li> <li>b. Turn it clockwise.</li> <li>c. Start adjusting it until water solenoid starts working. Right position of the potentiometer arrow vary, because of all different types of water (chemical ingredients) and hard components accumulated on sensor.</li> </ol> </li> </ol>
Heat is not going on when thermostat is on	Gas or Electric	<ol style="list-style-type: none"> <li>1. Check thermostat.</li> <li>2. Check lower sensor. Be sure it is clean.</li> <li>3. Check A board. It is located inside box on right side of front leg channel. It is marked LLC14A1AX on side of relay or A on top of it. It is extremely important that the boards are dry in order to work properly! Check line on top of transformer. If it is black all the way, this board has been overheated and is not going to work. Check electrical grounding. Adjust sensitivity of board:               <ol style="list-style-type: none"> <li>a. Locate the potentiometer on the board.</li> <li>b. Turn it clockwise to the end.</li> <li>c. Start adjusting it until water solenoid starts working. Right position of the potentiometer arrow vary, because of all different types of water (chemical ingredients) and hard components accumulated on the sensor.</li> </ol> </li> </ol>



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### Replacement of A and B boards:

1. Locate the wiring diagram. It will help later with connecting wires to the board without trying to memorize connections and make mistakes.
2. Disconnect wires from the board.
3. Unscrew mounting screws. There are three of them per board.
4. Replace the board.
5. Reconnect the wires.
6. Adjust sensitivity.
7. Close the box.
8. Seal the box using silicone and filling all openings and gaps if the box is made out of aluminized material. Rubber sealed box does not need to be sealed.