

SERVICE INSTRUCTIONS

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1-800-KEATING

REMOVAL OF ELEMENTS ON ELECTRIC FRYERS

The Keating Elements provide maximum output and have stainless steel surfaces to make cleaning easier and provide maximum heat transfer to the oil and food products.

Removal:

1. Disconnect electric power source.
2. Drain oil into approved container and set aside.
3. Loosen two thermostat bulb clamps on upper element and slide clamps away from thermostat bulb. For 18" and 20" fryers, remove two element spacers by loosening two screws on each spacer. Carefully note position of spacers onto elements.
4. Remove control panel.
5. Remove contactor shield by removing two screws.
6. Remove black and red wires from both ends of faulty element by unscrewing terminal binding post screws.
7. Remove element by unscrewing nuts and removing washers from both ends of element.

Replacement:

1. Remove brass nuts and steel washers from both ends of new element. Leave Teflon washers in place.
2. Tilt ends of element down and insert them into holes in vessel.
3. Apply high temperature silicone sealant evenly onto outside of vessel around ends of element.
4. Slide a steel washer onto each end of element. Make sure silicone sealant covers entire area under each washer.
5. Screw a brass nut onto each end of element and tighten it.

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6. Before re-connecting the wires, prepare the heating element hardware and modify the wire ends according to the following instructions:
 1. Discard the 2 split ring lockwashers, binding post, and binding post setscrew.
 2. Cut the butt connector off each of the existing wires, just behind the butt connector.
 3. Strip the wire insulation 5/16" back; be careful not to nick any of the wire strands.
 4. Install one piece of heatshrink tubing (clear) on each wire.
 5. Crimp a ring terminal on each wire ensuring that the crimp is secure. The new crimp should be able to withstand a pulling force of at least 40 lbs.
 6. Position the shrink tubing to cover the ring terminal barrel and wire braid, but do not let the tubing extend beyond the barrel where it could interfere with installing the flatwasher and lockwasher hardware in later steps. Repeat on the other wire.
 7. Shrink the tubing using a heatgun that can reach a temperature of at least 550° F. Be careful not to burn either the tubing or the wire insulation. Repeat on the other wire.
 8. Install the hardware in the following order (See Figure):
 - (1) Lockwasher (Item A)
 - (2) Ring terminal/wire assembly
 - (3) Flatwasher (Item B)
 - (4) Lockwasher (Item A)
 - (5) Nut (Item C)
 9. Tighten the nut to 10 inch pounds torque.
 10. Repeat steps 7 and 8 for the other wire connection.
7. Replace contactor shield with two screws.
8. Replace control panel.
9. Slide two element clamps over thermostat bulb and upper element. Tighten both clamps to attach bulb to element. For 18" and 20" fryers, replace both element spacers by tightening two screws on each spacer.
10. Connect electrical power source.
11. Boil-out fryer
12. Refill fryer with oil to "Fill Level" line.

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