

# Replace Heater Coil(s)

## INSTRUCTION MANUAL

<b>TOOL(S) NEEDED</b>	• Phillips screwdriver #2	• Vise Grip pliers - med	• Silicone sealant
	• Wire cutters (side cutters)	• Rubber mallet	• Nut driver - 3/8"
		• Wrench - 9/16"	

### INSTRUCTIONS:

**DANGER:** Turn OFF fryer power switch and disconnect fryer from power source (unplug fryer from wall or turn off circuit breaker).

1. Using fryer drain valve, (see Figure 1) drain shortening into metal container or shortening filter and allow fryer to cool.

2. Using a clean towel, wipe inside fryer pot to remove excess shortening.

3. Remove two screws securing the eyebrow (if applicable). Save screws for reuse (see Figure 1).

4. Remove four screws securing the escutcheon and save for reuse. Open the escutcheon panel from the top (like an oven door) so the lower edge pivots and rests on the lower edge of the access opening.

5. Utilizing extreme caution (so you do not break the heater ends), hold the heater behind the wire terminal with vise grips (see Figure 2). Remove the lock nut from the end of the heater. Mark the heater wire before removing to ensure proper connection to the new heater.

6. Note: If the middle or bottom heater must be replaced, the heaters above the one in question must also be removed.

7. Rotate the bottom insulation strap gaining access to the buckle. Remove the strap and buckle and save for reuse.

8. Remove the front insulation sections so that you have access to the heater compression nuts.

9. Remove heater compression nuts and save for reuse.

10. Remove lid to access the inside of the fryer pot.

11. Note: Depending upon the fryer model, it will have either thermostat bulbs and clamps or electronic probe and clamp, or both. Remove screws securing thermostat bulbs or probes clamps to heaters. Mark and save for reuse.

12. Mark the heater holders (see Figure 4) and remove the nuts securing the heater holders to the fryer pot (if applicable) (see Figure 3). Save nuts for reuse. Note: If fryer has heater protectors, they are also removed at this time.

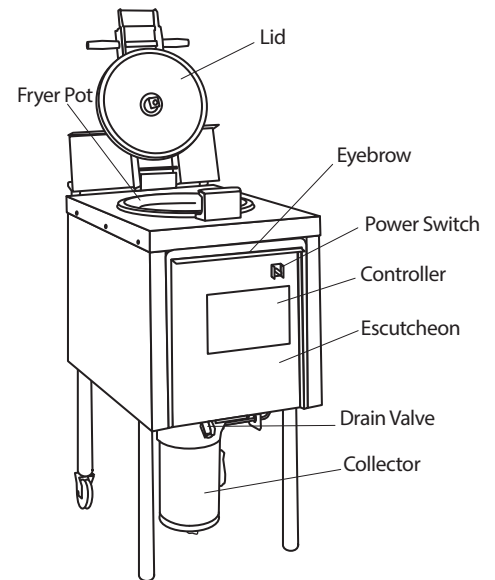


Figure 1

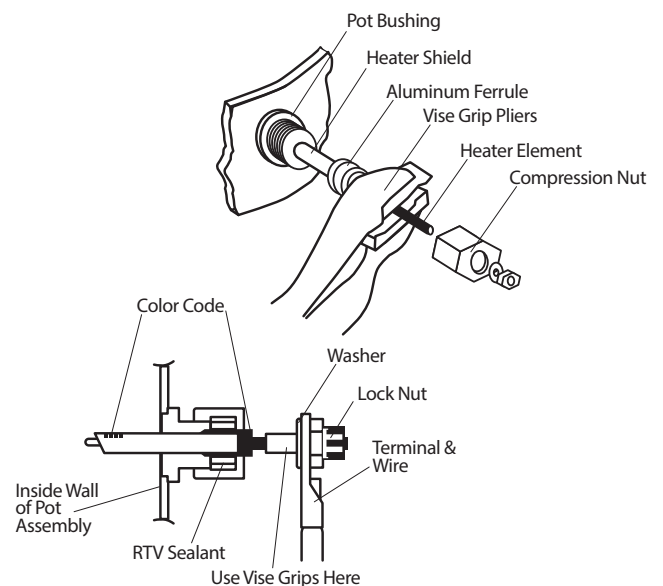


Figure 2

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13. Using a rubber mallet, gently tap heater ends from inside the cook pot, allowing the aluminum ferrule to be unseated from the pot bushing.
14. Using wire cutters, cut the ferrules from the heater(s).
15. Caution: Be careful not to damage the thermostat bulbs or probe when removing heater(s). From inside the fryer pot, remove the heater(s).
16. Place the new heaters into position. Be sure to note the position of the coil offset (if applicable) (see Figure 3).
17. Align the heater holders as shown in Figure 5. Fryers with four "floating" heater holders will use positions at 12:00, 4:00, 6:30, and 8:00 o'clock. Fryers with three secured heater holders will use positions 12:00, 4:00, and 8:00 o'clock, as indicated by the studs on the fryer pot. Replace the nuts on applicable heater holders but do not tighten them yet.
18. Use the rubber mallet to gently tap the new heaters into position in the heater holders and then tighten the holder nuts (if applicable).
19. Caution: Do not use excessive force to put heaters into position. You could damage the heater, causing it to fail. Install new ferrules onto the heaters ends. Be sure to place them in the proper direction (small-diameter toward the pot bushing). Apply a small amount of RTV sealant around the ferrules.
20. Place the compression nuts onto the heaters, from inside the fryer pot check to see that the heaters are properly positioned and then tighten the compression nuts.
21. Replace the insulation and straps.
22. Place a new washer and the correct heater wires/terminals onto the heater ends.
23. Using vise grip pliers, hold the heater terminal as shown in Figure 2 and carefully tighten the lock nut onto the heater end.
24. Replace screws for thermostat bulbs or probe. Note: the correct position of the probe guard (if applicable) is 1/4" to the right (CCW) of the probe tip.
25. Replace the screws securing the escutcheon and eyebrow (if applicable).
26. Return power to the fryer and test heater operation.

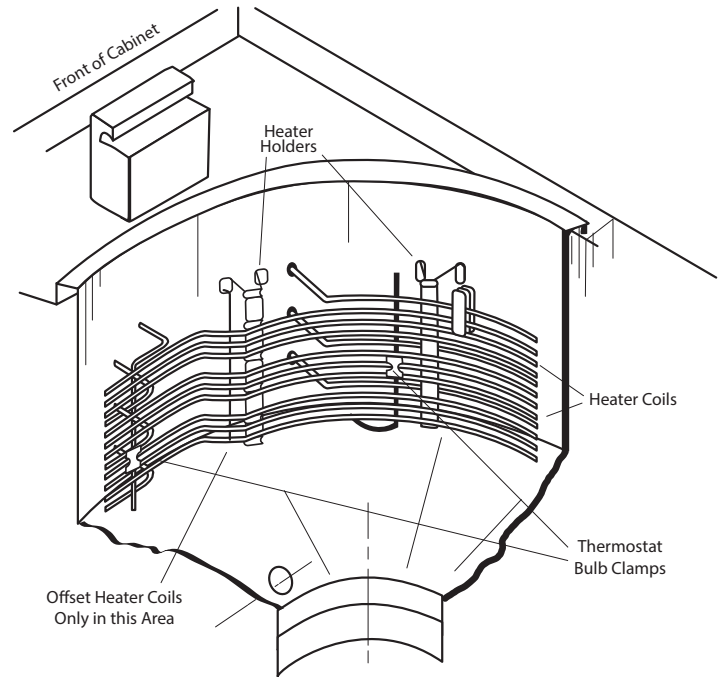


Figure 3

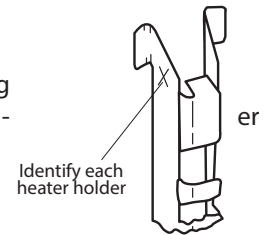


Figure 4

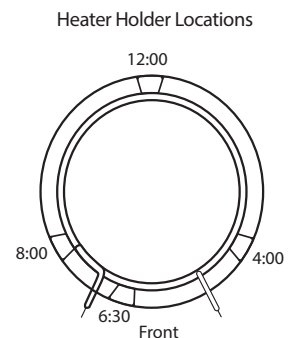


Figure 5

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