

## Instructions for Service Kits 42506 and 42507

# TC18 Update Kit

**KIT COMPONENTS** - Check that the kit includes ALL of these parts BEFORE you begin!

<i>Qty.</i>	<i>P/N</i>	<i>Description</i>	<i>Qty.</i>	<i>P/N</i>	<i>Description</i>
1	41796	Dual heater assy, 208V (inc. w/Kit 42506 only)	1	42485	Heater wireset, TC18
1	41797	Dual heater assy, 240V (inc. w/Kit 42507 only)	1	41811	Top reflector
6	1511E8801	Screw, panhead, #8-32 x 5/16"	2	3002693	Wire tie, nylon, 5-1/2" / 140mm
6	4111A8824	Screw, panhead, #10-32 x 5/16"	1	42508	Instructions, TC18 Update Kit

### A. OVERVIEW

The Model TC18 Conveyor Toaster was originally released with a single bottom heater assembly. The heater was designed to be capable of adequately toasting single-side-toasted products (bagels, muffins, etc.) When the upper heater was also turned on for two-side-toasted products (bread, etc.), some of these products could be burned.

Current-production TC18 toasters feature:

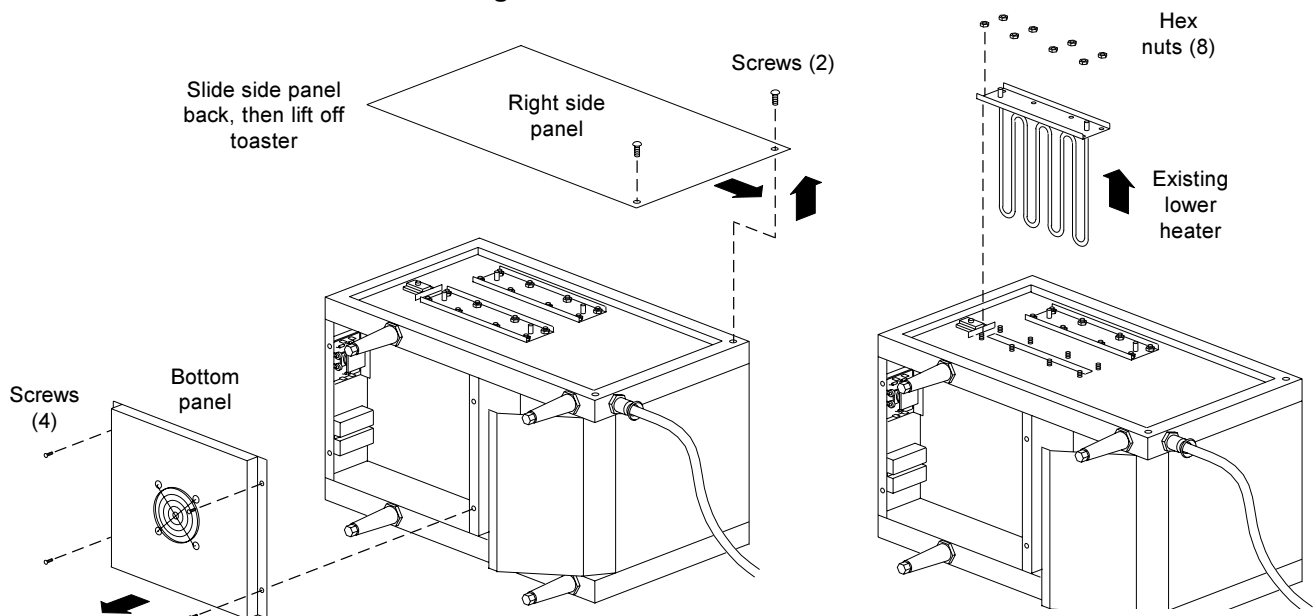
- A dual lower heater that reduces bottom-side toasting when the upper heater is turned on.
- A redesigned upper reflector to minimize jamming of the bakery product.
- A different adjustment of the conveyor speed controller to provide faster toasting. This also minimizes the possibility of burning the bakery product.

This Service Kit will update one early Model TC18 toaster with these features of the current-production toaster.

### B. BOTTOM HEATER REMOVAL - see Figure 1.

1. Disconnect the toaster from its electrical power supply.
  2. Turn the toaster onto its left side.
  3. Remove AND RETAIN the screws that hold the right side panel in place. Then, remove AND RETAIN the panel.
  4. Remove AND RETAIN the four screws that hold the bottom panel in place. As you pull the panel away from the toaster, remove the fan cord plug from its socket on the side of the fan.
  5. Remove AND RETAIN the terminal screws on both the upper and lower heaters. Then, disconnect the loose heater wires from the terminals on the product selection switch. Discard the heater wiring.
- IMPORTANT:** DO NOT disconnect or discard any wiring that does not connect to the heating elements!
6. Remove AND RETAIN the hex nuts that hold the lower heater in place.
  7. Remove and discard the lower heater.

**Figure 1 - Bottom heater removal**



### C. SPEED CONTROLLER CALIBRATION

8. Loosen the set screw that holds the conveyor speed controller knob in place. Then, remove AND RETAIN the knob. See Figure 2.
9. Remove AND RETAIN the hex nut that fastens the speed controller to the control panel.
10. Gently pull the controller free of the rear of the control panel. As you remove the controller, be careful not to loosen the wiring connections. See Figure 2.
11. Remove AND RETAIN the lockwasher from the shaft of the speed controller.
12. Locate the MAX and MIN calibration potentiometers on the speed controller, as shown in Figure 3. Turning these pots adjusts the conveyor's speed range.

Using a flat-bladed screwdriver, turn both of the calibration pots as far as possible in a CLOCKWISE direction. This adjusts both the minimum and maximum speed settings of the conveyor to their fastest settings.

13. Replace the lockwasher onto the shaft of the speed controller. Then, replace the controller into the toaster.
14. Replace the hex nut onto the shaft of the speed controller and tighten it in place.
15. Turn the shaft of the speed controller in a COUNTERCLOCKWISE direction as far as it will turn to set the controller to its minimum setting. See Figure 4.
16. Replace the knob onto the shaft of the speed controller. Adjust the position of the knob until the painted indicator is aligned with the line on the control panel at the beginning of the "1" range. See Figure 4.
17. Tighten the knob's set screw to fasten it in place.

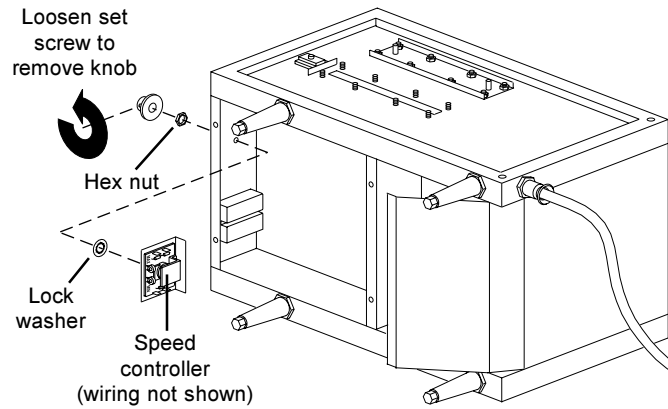
### D. BOTTOM HEATER REPLACEMENT

18. Install the new lower heater assembly, making sure that the auxiliary heater is at the rear of the toaster. As you slide the heater into place, check that it is properly seated on the supports on the right side of the toasting chamber.
19. Replace the hex nuts to fasten the heater in place.
20. Wire the heaters to the product selection switch using the kit-supplied wireset. Refer to the wiring diagram on the last page of these instructions for the wire connections.

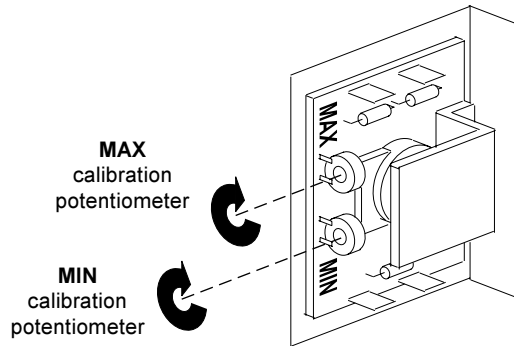
The Kit includes both #8-32 and #10-32 terminal screws. Check the size of the holes on each heater and use the appropriately-sized terminal screws.

21. Bundle the heater wires using the kit-supplied wire ties. Use one tie inside the right side of the toaster, and one inside the bottom cavity of the toaster.
22. Reconnect the fan cord plug into its socket on the side of the fan.
23. Replace the bottom panel, and fasten it in place with its four screws. DO NOT replace the right side panel at this time.

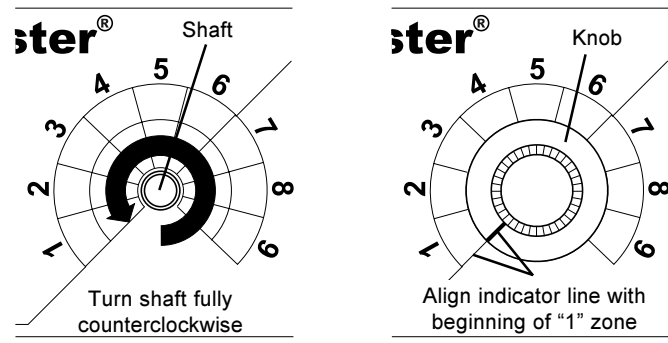
**Figure 2 - Speed controller removal**



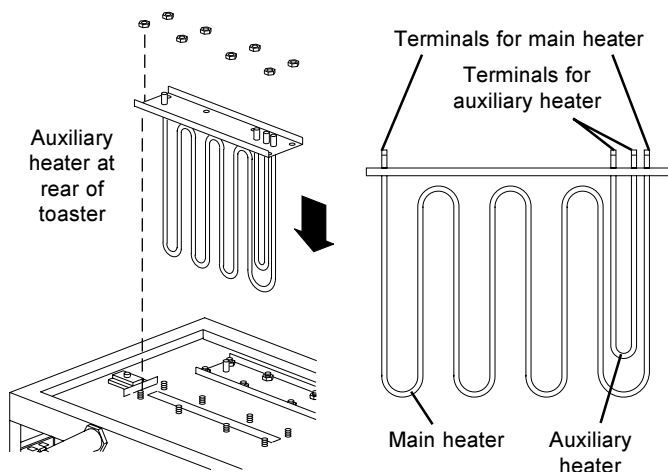
**Figure 3 - Speed controller calibration**



**Figure 4 - Replacing the speed controller knob**



**Figure 5 - Bottom heater replacement**



## E. TOP REFLECTOR REPLACEMENT

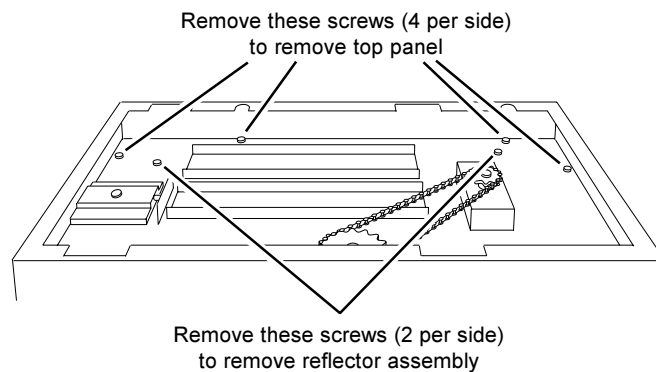
24. Turn the toaster upright and onto its legs.
25. Remove AND RETAIN the screws that hold the left side panel in place. Then, remove AND RETAIN the panel.
26. Remove AND RETAIN the 8 screws (4 per side) that hold the top cover panel in place. See Figure 6. Then, remove AND RETAIN the top cover panel.
27. Remove AND RETAIN the 4 screws (2 per side) that hold the reflector assembly to the toaster. See Figure 6. Then, remove AND RETAIN the reflector assembly.
28. Remove AND RETAIN the four screws that hold the reflector assembly together, as shown in Figure 7. Remove and discard the reflector panel from the bottom side of the assembly.

29. Reassemble the reflector assembly with the new kit-supplied reflector panel. Check that both of the flanges that project down from the reflector point towards the rear of the toaster, as shown in Figure 7.
30. Replace the reflector assembly into the toaster and fasten it in place with the original mounting screws.

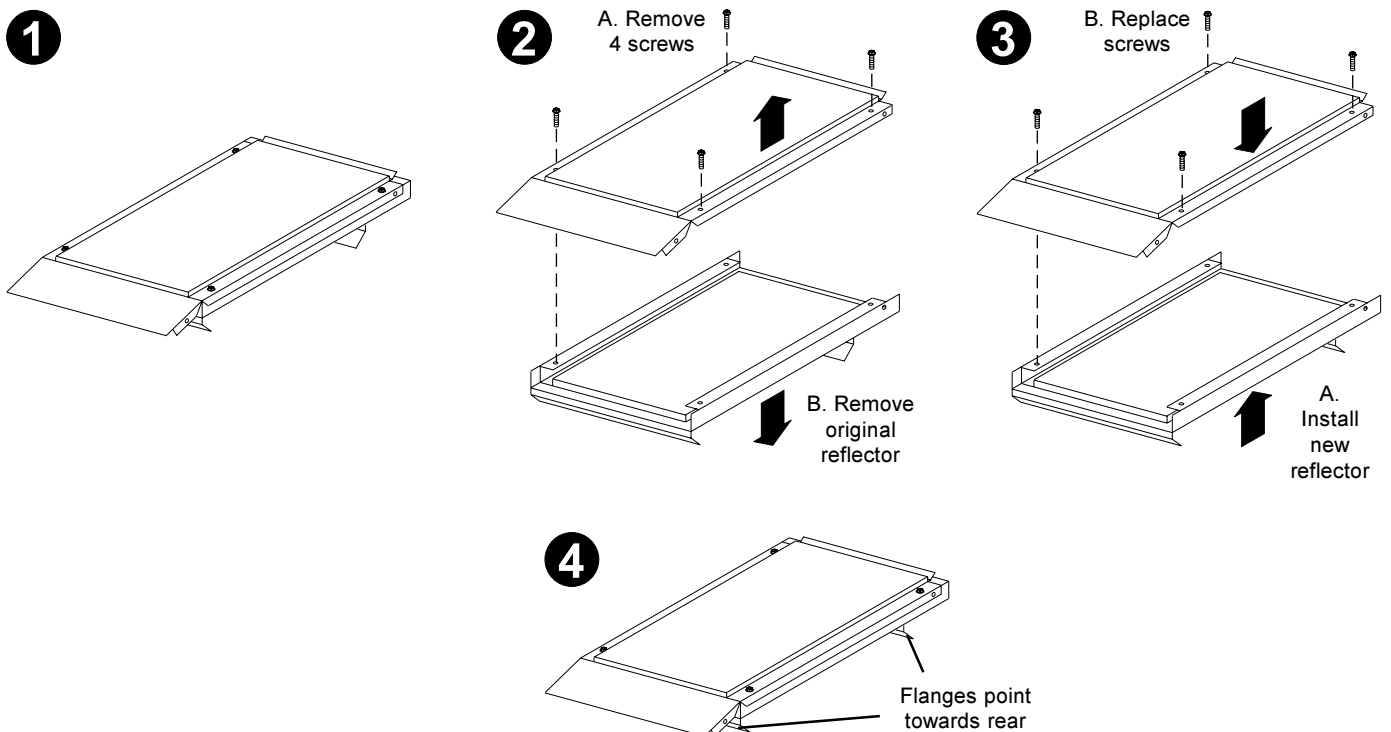
## F. FINAL REASSEMBLY

31. Replace the top cover panel onto the toaster and fasten it in place with the original mounting screws.
32. Replace both side panels onto the toaster and fasten them in place with their original mounting screws.
33. Reconnect the toaster to its electrical power supply. The toaster is now ready for operation.

**Figure 6 - Removing the top panel and reflector assembly**



**Figure 7 - Top reflector replacement**



**Figure 5 - Wiring diagram**

— 00 — Original wiring  
 — 00 — New wiring included in kit

