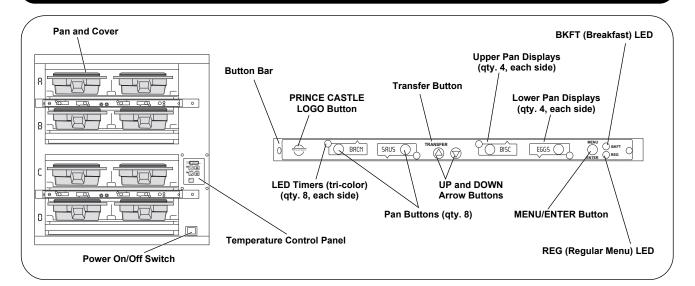


## Product Holding Bin DHB-BK41/43

#### **Product Identification**



Product Identification

#### **LIMITED WARRANTY**

This product is warranted to be free from defects in material and/or workmanship for a period of 2 years from date of original installation, not to exceed 30 months from the date of manufacture.

Any component which proves to be faulty in material and/or workmanship will be replaced or repaired (at the option of Prince Castle, Inc.) without cost to the customer for parts and labor. This warranty covers on-location service (i.e. trip charges and/or mileage). Travel mileage is limited to 100 miles (200 Kilometers) round trip (one trip warranty) from an authorized service agency or its sub-service agency.

This warranty is subject to the following exceptions/conditions:

- Use of any non-genuine Prince Castle parts voids this warranty.
- All labor to be performed during regular work hours. Overtime premium (the incremental amount) will be charged to the customer.
- Damage caused by carelessness, neglect and/or abuse (e.g., dropping, tampering or altering parts, equipment damaged in shipment, by fire, flood or an act of God) is not covered under this warranty.
- All problems due to operation at voltages other than that specified on equipment nameplates are not covered by this warranty. Conversion to correct voltage is the customer's responsibility.
- This equipment must be serviced by Prince Castle Authorized Service Agency or a Prince Castle Service Technician during the warranty period.

Note: When connected to the kitchen minder, the transfer and daypart function is disabled on the button bar.



| Safety Information                | 2     |
|-----------------------------------|-------|
| Installation                      | 2     |
| Operation                         | 3     |
| Cleaning                          | 4     |
| Programming                       | 6 – 9 |
| CastleNet® Communications Network | 10    |
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| Exploded View and Parts List      | 13    |
| Wiring Diagram                    | 14    |





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#### **Safety Information**





Indicates information important to the proper operation of the unit. Failure to observe may result in damage to the equipment and/or severe bodily injury or death.

Indicates information important to the operation of the unit. Failure to observe may result in damage to the equipment.

#### Installation

- A. Remove the unit from the carton and inspect for signs of damage. If there is damage to the unit:
- · notify the carrier within 24 hours of delivery
- · save carton and packaging materials for inspection purposes
- contact your local dealer, or if purchased directly, the Prince Castle Sales Department at 800-722-7853 or 1-630-462-8800 to arrange for a replacement unit.

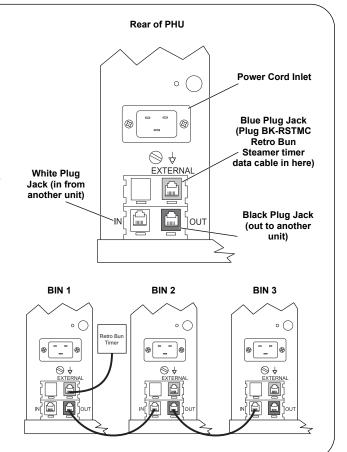
NOTE: When installing this unit, the ambient temperature at the mounting site should not exceed 100°F.

- B. Place the bin on a counter and seal the base to the counter with foodapproved sealant.
- C. Plug the power cord into the bin and connect the plug into the proper electrical outlet (15 amp, 120 Volt). All connections must be in accordance with local electrical codes and any other applicable codes.

NOTE: The electrical receptacle should be a dedicated outlet. No other equipment should be operating on the line (refrigerators, fryers, etc.).

- D. If used, plug the Prince Castle Retro Bun Steamer BK-RSTMC timer data cable into the blue plug jack (external) located on the rear of the Prince Castle holding bin. If cable from timer is too short, use Prince Castle Extender Cable Kit, P/N PC-COMEXT.
- E. Install the racks, pans and pan covers into the cavities.
- F. Turn the power switch to ON. Allow 30 minutes for warm-up.

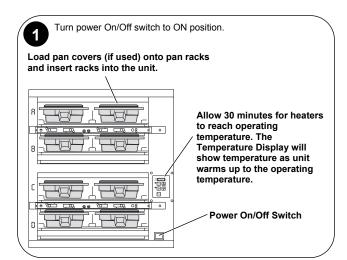
NOTE: If the unit is to be networked with other Prince Castle units, a Retro Bun Timer may be connected to any one bin in the chain. Refer to CASTLENET COMMUNICATIONS NETWORK in this manual.

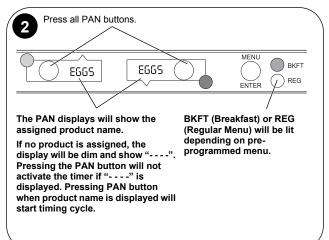


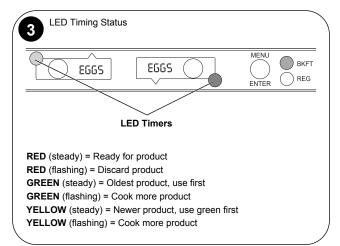
Prince Castle reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.

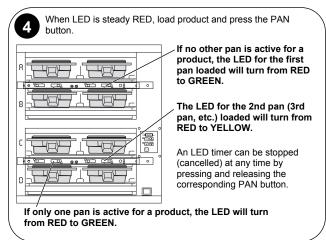


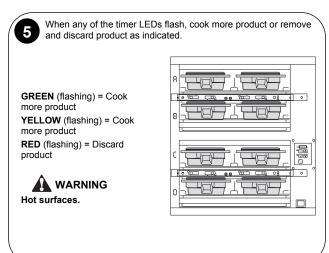
#### **Operation**

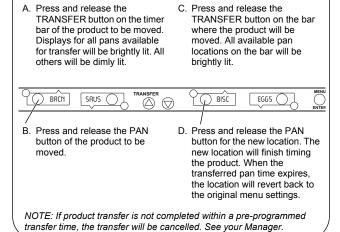












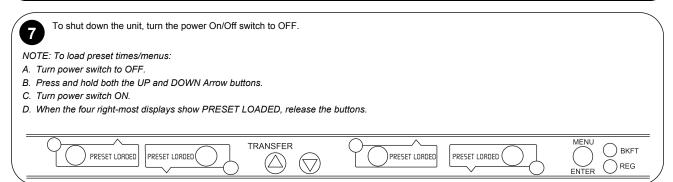
Product, along with any remaining time, can be transferred from

one cavity to another as follows:

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#### **Operation (continued)**



#### Cleaning



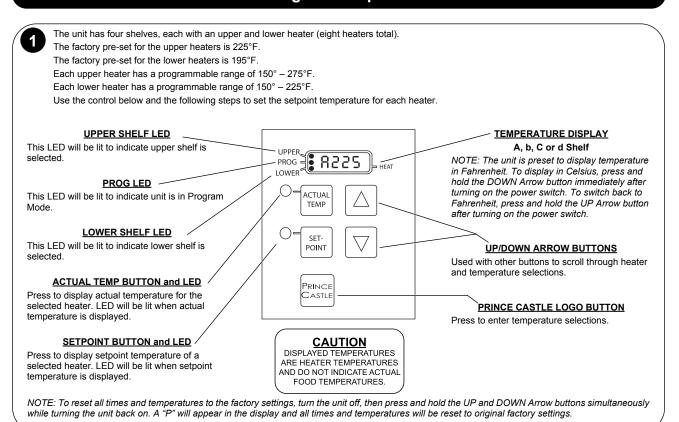
Before performing any maintenance, turn the power switch to the OFF position and unplug the power cord from the electrical receptacle.

## **A** CAUTION

This unit is not watertight. Do not clean with a water jet/jet spray. Do not immerse the unit in water.

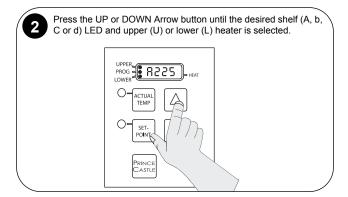
- Turn the unit off and unplug the power cord from the electrical receptacle.
- Remove the pan covers and pan racks. Wipe all parts and unit with a damp cloth. DO NOT use a green Scotch Bright pad cleaner, ice or water

#### **Setting the Temperature**





## **Setting the Temperature (continued)**



Press and hold the SETPOINT button and the PRINCE CASTLE LOGO button for 5 seconds. The Program LED will light.

Press the UP or DOWN Arrow button until the desired setpoint temperature is displayed.

UPPER RECUIRE TEMP
PRINCE
PRINCE
CASS

Press the PRINCE CASTLE LOGO button to save the new setpoint value. Repeat steps 2 – 5 to change the setpoint for any other heater.

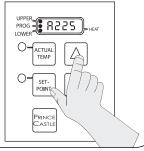
## **Calibrating Heaters**

Use the following steps to calibrate the individual heaters.

NOTE: Allow sufficient amount of time for temperatures to stabilize

Press the UP or DOWN Arrow button until the desired shelf LED and upper (U) or lower (L) heater is selected.

before starting calibration.



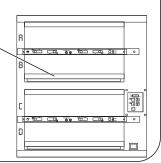
Take a temperature reading within the shelf near the center of the heater surface.

Use a stand-alone temperature meter (not supplied).



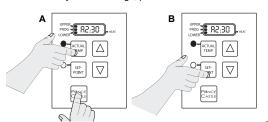
**MARNING** 

Hot surfaces. Use caution when taking temperature readings within the shelf.

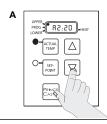


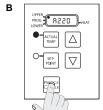
A. Press and hold the PRINCE CASTLE LOGO and ACTUAL TEMP buttons for 5 seconds. The colon (:) LED indicator will light. The temperature displayed is the actual heater temperature sensed by the controller.

 B. To clear any offset readings, press the SETPOINT button.



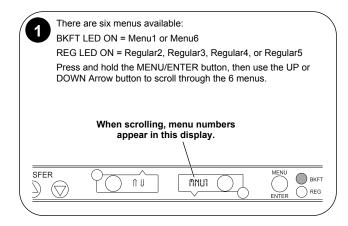
- A. Press the UP or DOWN Arrow button until the temperature displayed matches the reading obtained in Step 2.
- B. Press the PRINCE CASTLE LOGO button to save the temperature value and exit the Calibration Mode.

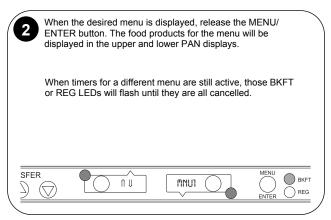




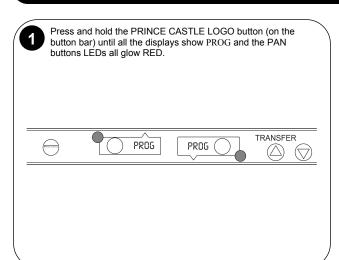


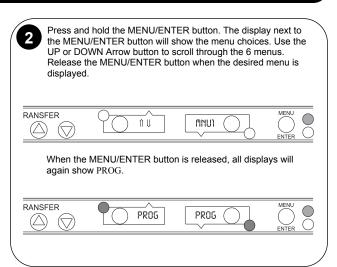
## **Selecting Breakfast and Regular Menus**

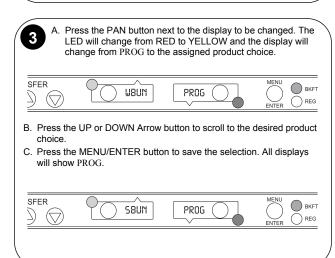


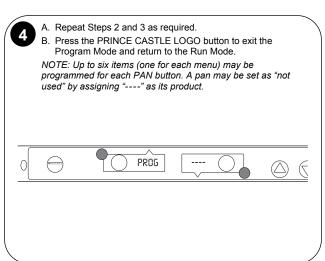


## **Programming the Menus**



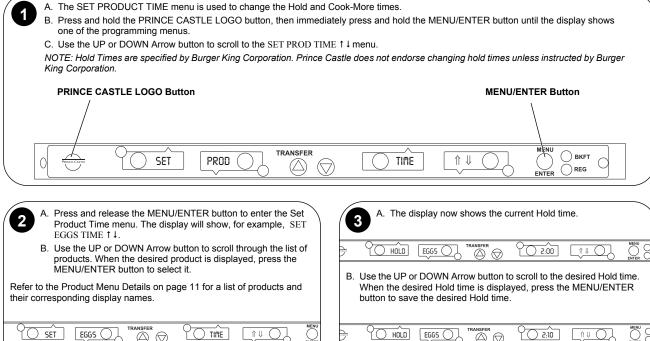


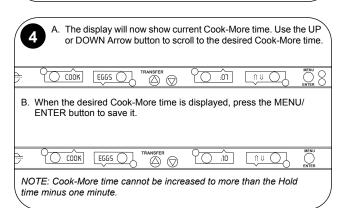






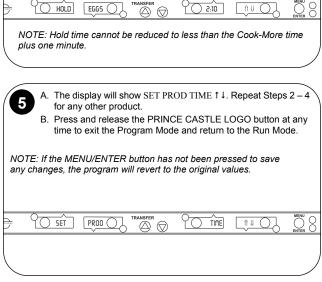
#### **Changing the Hold and Cook-More Times**





NOTE: Holding the UP or DOWN Arrow button for longer than 2

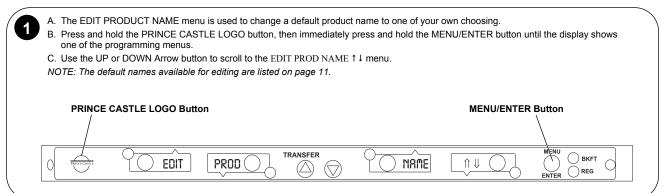
seconds will cause the product list to automatically scroll up or down.

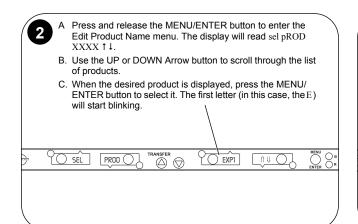


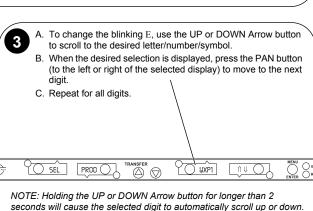
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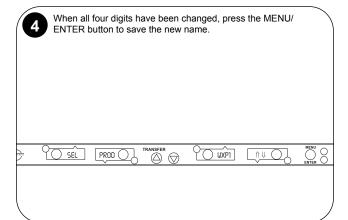


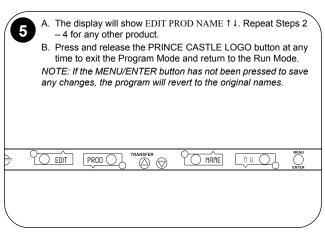
## **Changing Product Names**





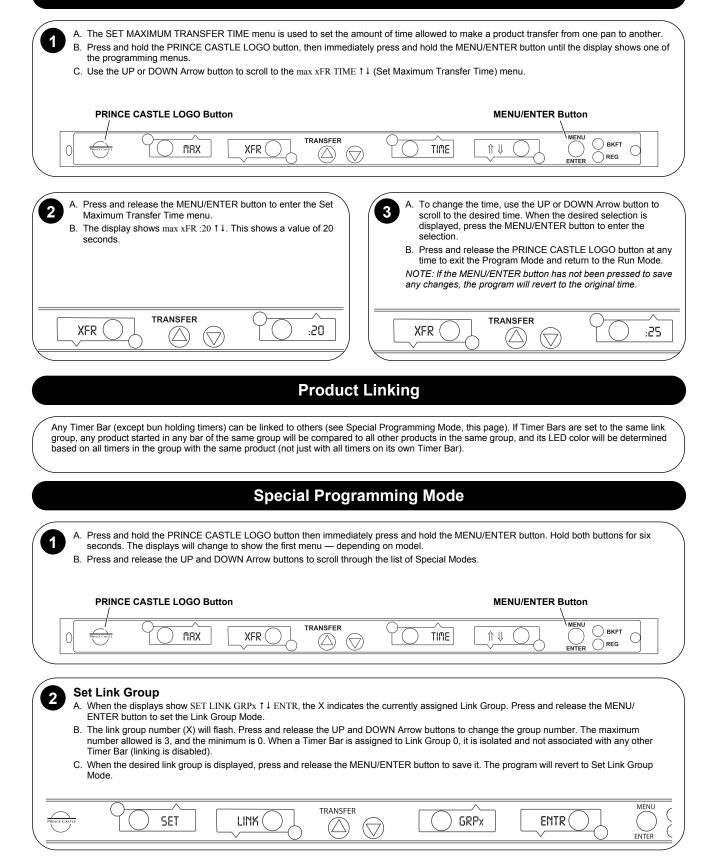








#### **Set Maximum Transfer Time**



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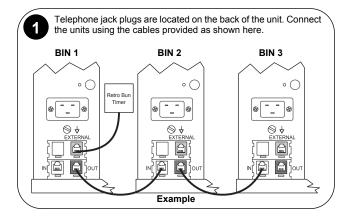
#### CastleNet® Communications Network

The Prince Castle DHB-BK Bins, Retro Bun Timer, and New Bun Cabinet Timers can be inter-connected to form the CastleNet® Communication Network. The network can be used for data transfer between bins and timers for menu updates or to transfer product Hold time from bin-to-bin. A PDA (or similar device) or a notebook with Prince Castle MenuView® software is used to connect to the network and enter the desired changes.

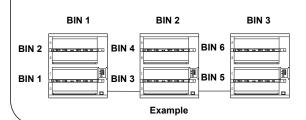
Each bin is supplied with a standard 25' cable and allows units to be "daisy-chained" together to form the network. If cable is too short, use Prince Castle Extender Cable Kit. P/N PC-COMEXT.

The factory default address for Main bins and timers is address 1. The factory default address for Specialty bins and timers is address 2. If a third bin is used, the address must be set at 3.

The factory default address for the Retro Bun Timer is BUNF.



IMPORTANT: Each timer must have a different address. If a location has three bins, it is recommended that the bins and timers be set consecutively to addresses 1 through 6.

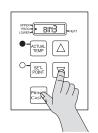


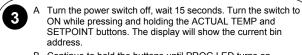
Use the UP or DOWN Arrow button to scroll to the desired address. Press the PRINCE CASTLE LOGO button to store the new address.

Available addresses are:

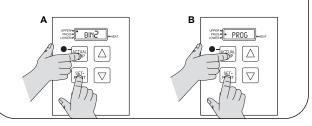
BIN1 thru BIN9, BINA, BINB, BINC, BIND. BINE and BINF.

IMPORTANT: Continue to Step 5 to check the timer address. No two timers can have the same address.

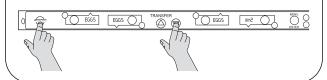




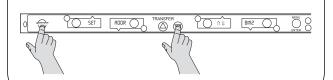
B. Continue to hold the buttons until PROG LED turns on.

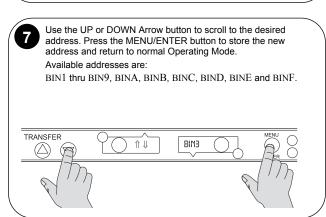


To check the timer address, press and hold the PRINCE CASTLE LOGO button and the DOWN Arrow button. The current timer address will be displayed in the far right timer display. To change the timer address, proceed to Step 6.



To change the timer address, turn the unit power switch off and wait 15 seconds. Turn the power switch back on and immediately press and hold the PRINCE CASTLE LOGO button and the DOWN Arrow button for approximately 6 seconds or until the display shows SET ADDR ↑↓ Bin2. The address number will blink on/off.







# **Factory Presets**

| Product Menu Details |                   |                           |                   |  |
|----------------------|-------------------|---------------------------|-------------------|--|
| Product              | Display Name      | Hold Minutes <sup>1</sup> | Cook-More Minutes |  |
| Eggs                 | EGGS              | 45                        | 6                 |  |
| Biscuits             | BISC              | 60                        | 17                |  |
| Sausage              | SAUS              | 60                        | 1                 |  |
| French Toast         | FR-T              | 30                        | 2                 |  |
| Ham                  | HAM               | 120                       | 2                 |  |
| Fish                 | FISH              | 45                        | 4                 |  |
| Chicken Crisp        | CRSP              | 45                        | 3                 |  |
| Chicken Patty        | CHKN              | 60                        | 4                 |  |
| Chicken Tenders      | TEND              | 30                        | 3                 |  |
| Burgers              | BURG              | 60                        | 3                 |  |
| Whoppers             | WHPR              | 45                        | 3                 |  |
| BK Broiler           | -BK-              | 60                        | 6                 |  |
| Bacon                | BACN <sub>2</sub> | 120                       | 2                 |  |
| Poppers              | POP <sub>2</sub>  | 30                        | 2                 |  |
| Mozzarella Stick     | MOZ <sub>2</sub>  | 30                        | 2                 |  |
| Spicy Chicken Wings  | SPCY <sub>2</sub> | 60                        | 3                 |  |
| Experimental #1      | EXP1 <sub>2</sub> | 60                        | 2                 |  |
| Experimental #2      | EXP2 <sub>2</sub> | 60                        | 2                 |  |
| Experimental #3      | EXP3 <sub>2</sub> | 60                        | 2                 |  |
| Experimental #4      | EXP4 <sub>2</sub> | 60                        | 2                 |  |
| Experimental #5      | EXP5 <sub>2</sub> | 60                        | 2                 |  |
| Experimental #6      | EXP6 <sub>2</sub> | 60                        | 2                 |  |
| Experimental #7      | EXP7 <sub>2</sub> | 60                        | 2                 |  |
| Experimental #8      | EXP8 <sub>2</sub> | 60                        | 2                 |  |
| Experimental #9      | EXP9 <sub>2</sub> | 60                        | 2                 |  |

<sup>1.</sup> Hold and Cook-More times may be re-programmed. See page 7.

<sup>2.</sup> Product abbreviations BACN through EXP9 may be reprogrammed. See page 8.

|      |      | Me   | enus |      |      |   |
|------|------|------|------|------|------|---|
| HAM  | BACN | SAUS | EGGS | MNU1 | Bkft |   |
| WHPR | BURG | WHPR | BURG | MNU2 | Reg  |   |
| TEND | CRSP | CHKN | FISH | MNU3 | Reg  |   |
| SPCY | POP  | MOZ  | -BK- | MNU4 | Reg  |   |
| TEND | CHKN | CRSP | SPCY | MNU5 | Reg  |   |
| HAM  | BACN | EGGS | EGGS | MNU6 | Bkft | / |
|      |      |      |      |      |      |   |

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# Product Holding Bin DHB-BK41/43

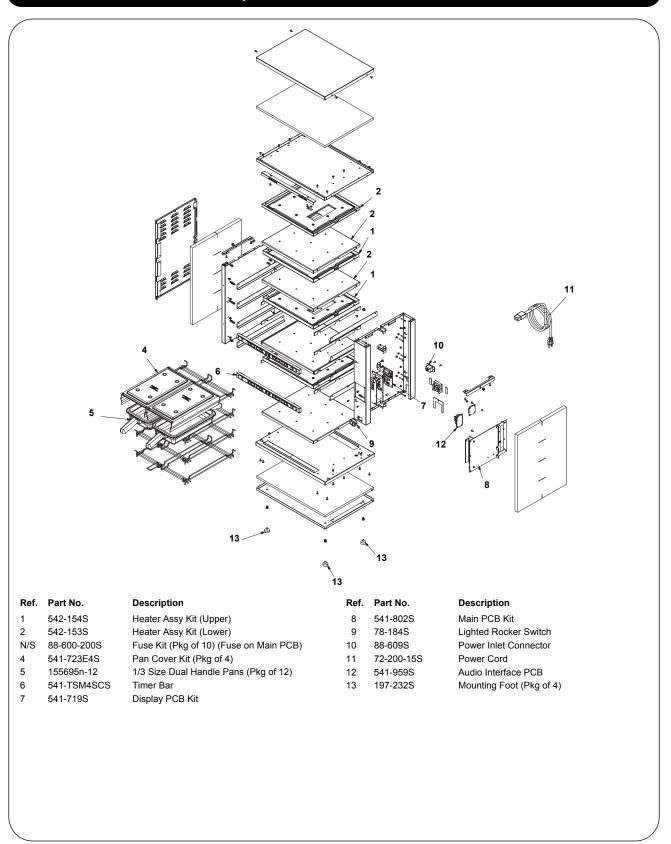


# Troubleshooting

| PROBLEM  | PROBABLE CAUSE  | SOLUTION   |
|--|---|--|
| Display flashes Opn and rEL.   | Open relay. Circuit inoperable.   | Replace power circuit board.   |
| Display flashes SHr and rEL.   | Shorted relay. Circuit inoperable. Open heater.                                   | Replace power circuit board. Test heater resistance (150.2 Ohms). Replace heater if necessary.   |
|  | Unplugged ribbon cable between power and main circuit boards.                     | Verify ribbon cable connection.  |
| Display flashes Opn and rEL.   | Temperature is below 75°F. Heater inoperable. Probe inoperable. Relay inoperable. | Normal display during warmup. Test heater resistance (150.2 Ohms). Check for open thermocouple wires from probe. Replace heater/probe assembly. Replace power circuit board. |
| Display shows HHH for an extended period of time and heater surface temperature is hot.  | Temperature is above 300°F (abnormal operation).                                  | Diagnostic circuit inoperable. Replace power circuit board.  |
| Display shows HHH for an extended period of time and heater surface temperature is cool. | Probe is inoperable.  | Check for pinched thermocouple wires from probe. Replace heater/probe assembly.  |

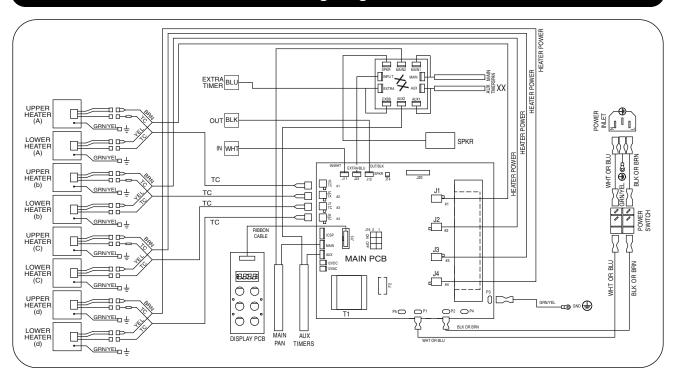


# **Exploded View and Parts List**





# **Wiring Diagram**



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