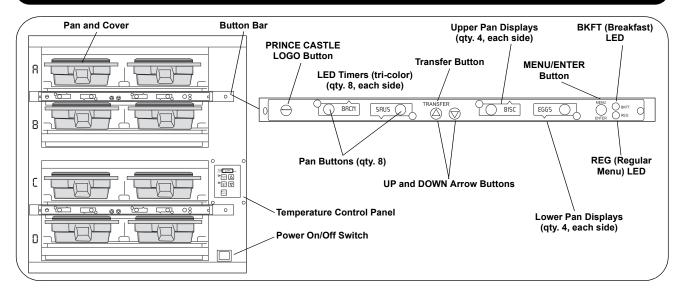
Operation Manual

Product Holding Bin DHB4SS-20 Series



Product Identification

LIMITED WARRANTY

This product is warranted to be free from defects in material and/or workmanship for a period of one (1) year from date of original installation (with the exception of racks, pans, and covers). 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 or labor. This warranty covers on location service (i.e. trip charges and/or mileage). Travel mileage is limited to 100 miles (200 kilometers -International) 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 shall be performed during regular work hours. Overtime premium will be charged to the buyer.
- 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.

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Specifications

| Model | Voltage | Watts | Hertz | |
|-------------|---------|-------|-------|--|
| DHB4SS-20 | 120 | 1700 | 60 | |
| DHB4SS-20CE | 230 | 1950 | 50 | |

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.

WARNING

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.

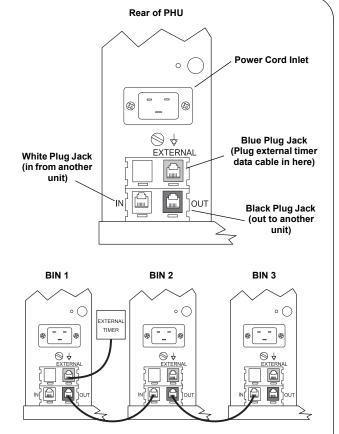
NOTE: When installing this unit, the ambient temperature at the mounting site should not exceed 100° F.

- 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.).

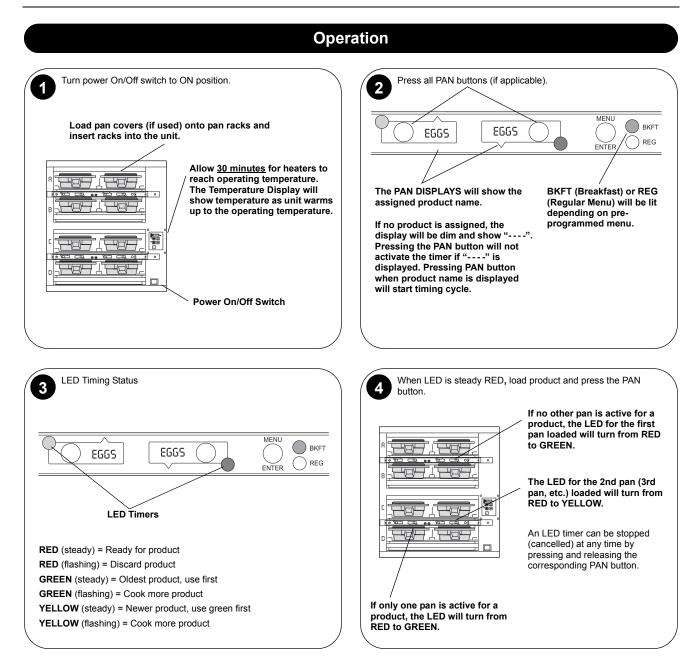
- D. If used, plug the Prince Castle Retro external timer (consult factory for model) data cable into the blue plug jack (external) located on the rear of the Prince Castle holding bin. If cable from timer is too short, use Prince Castle Extender Cable Kit, P/N PC-COMEXT.
- E. Install the racks, pans 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, an external timer may be connected to any one bin in the chain. Refer to CASTLENET COMMUNICATIONS NETWORK in this manual.

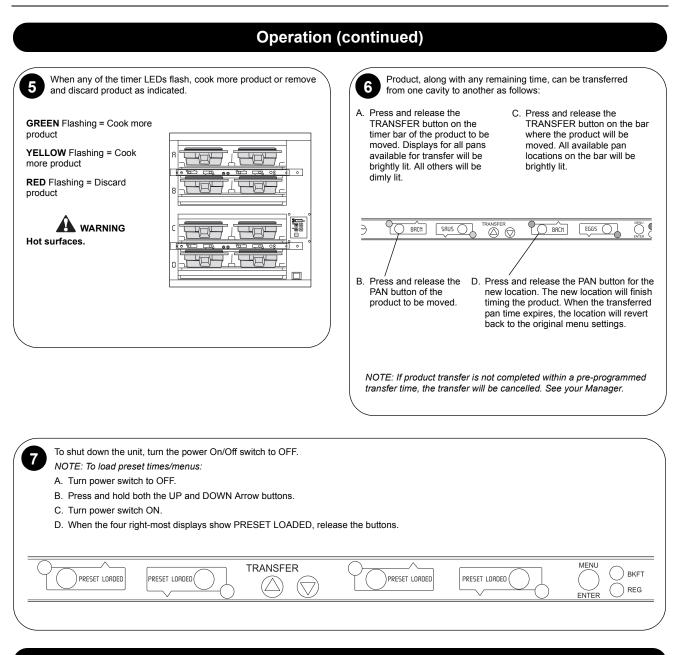


Prince Castle reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.









Cleaning



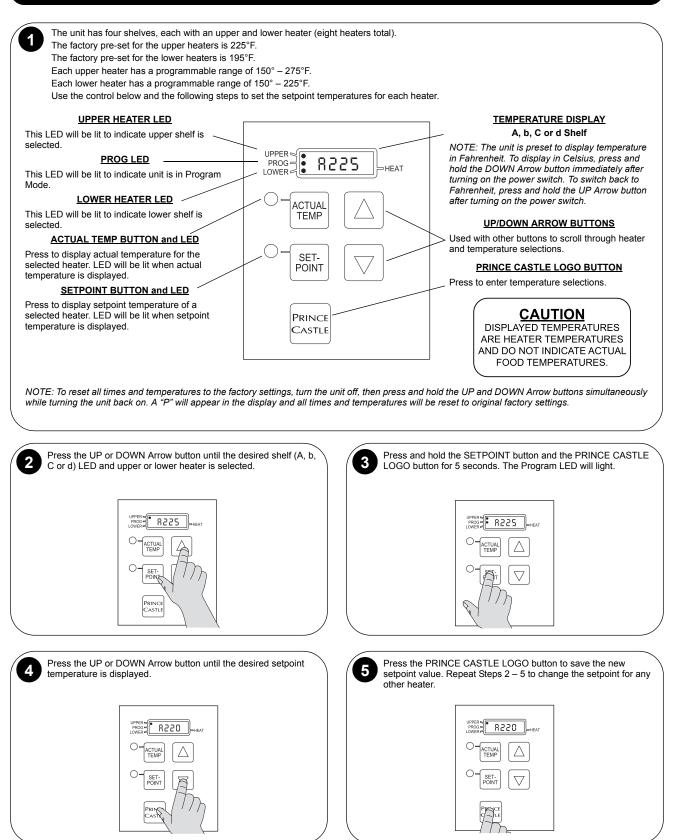
Before performing any maintenance, turn the power switch to the OFF position and unplug the power cord from the electrical receptacle.

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

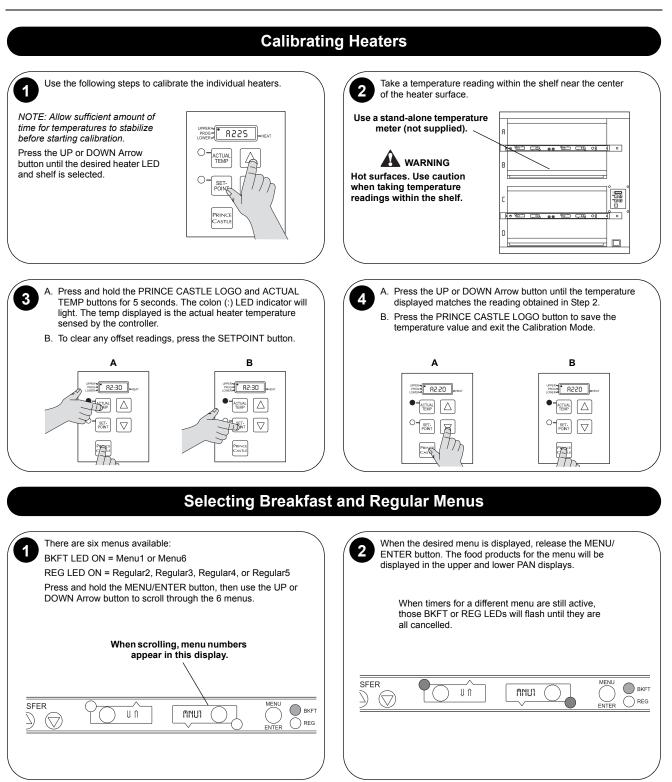
- 1. Turn the unit off and unplug the power cord from the electrical receptacle.
- Remove the pan covers and pan racks. Wipe all parts and unit with a damp cloth. <u>DO NOT</u> use a green Scotch Bright pad cleaner, ice or water.



Setting the Temperature

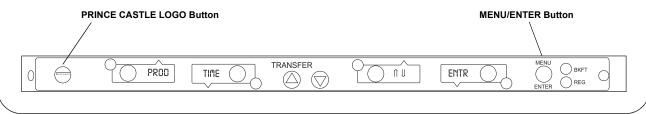








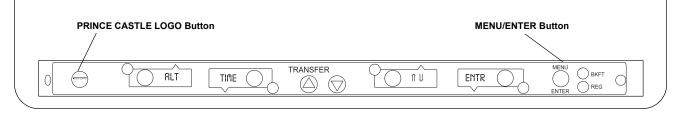
| Programmin | g the Menus |
|--|--|
| Press and hold the PRINCE CASTLE LOGO button (on the button bar) until all the displays show PROG and the PAN buttons LEDs all glow RED. | Press and hold the MENU/ENTER button. The display next to the MENU/ENTER button will show the menu choices. Use the UP or DOWN Arrow button to scroll through the 6 menus. Release the MENU/ENTER button when the desired menu is displayed. |
| PROG PROG TRANSFER | |
| | When the MENU/ENTER button is released, all displays will again show PROG. |
| | RANSFER PROG PROG ON ENTER |
| A. Press the PAN button next to the display to be changed. The LED will change from RED to YELLOW and the display will change from PROG to the assigned product choice. | A. Repeat Steps 2 and 3 as required. B. Press the PRINCE CASTLE LOGO button to exit the Program Mode and return to the Run Mode. NOTE: Up to six items (one for each menu) may be programmed for each PAN button. A pan may be set as "not used" by assigning "" as its product. |
| Press the UP or DOWN Arrow button to scroll to the desired product choice. Press the MENU/ENTER button to save the selection. All displays will show PROG. | |
| FER SBUIN PROG BKFT | |
| Changing the Hold a | nd Cook-More Times |
| | |
| A. The SET PRODUCT TIME menu is used to change the Hold and 0 B. Press and hold the PRINCE CASTLE LOGO button, then immedia display shows one of the programming menus. | |
| C. Use the UP or DOWN Arrow button to scroll to the PROD TIME ↑↓ show SET PRODUCT TIME ↑↓ ENTR.) | ENTR menu. (NOTE: Units with 6 or 8 Pan displays will |
| PRINCE CASTLE LOGO Button | MENU/ENTER Button |





| A. Press and release the MENU/ENTER button to enter the Set Product Time menu. The display will show, for example, EGGS TIME ↓↑ ENTR. | A. The display now shows the current Hold time. |
|---|---|
| B. Use the UP or DOWN Arrow button to scroll through the list of products. When the desired product is displayed, press the MENU/ENTER button to select it. | |
| Refer to the Product Menu Details on page 13 for a list of products and heir corresponding display names. | B. Use the UP or DOWN Arrow button to scroll to the desired Hold time When the desired Hold time is displayed, press the MENU/ENTER button to save the desired Hold time. |
| | |
| NOTE: Holding the UP or DOWN Arrow button for longer than 2 seconds will cause the product list to automatically scroll up or down. | NOTE: Hold time cannot be reduced to less than the Cook-More time plus one minute. |
| A. The display will now show current Cook-More time. Use the UP or DOWN Arrow button to scroll to the desired Cook-More time. | A. The display will show PROD TIME 1 I ENTR. Repeat Steps 2 4 for any other product. |
| | B. Press and release the PRINCE CASTLE LOGO button at ar time to exit the Program Mode and return to the Run Mode. |
| 3. When the desired Cook-More time is displayed, press the MENU/ ENTER button to save it. | NOTE: If the MENU/ENTER button has not been pressed to save any changes, the program will revert to the original values. |
| | |
| NOTE: Cook-More time cannot be increased to more than the Hold | |

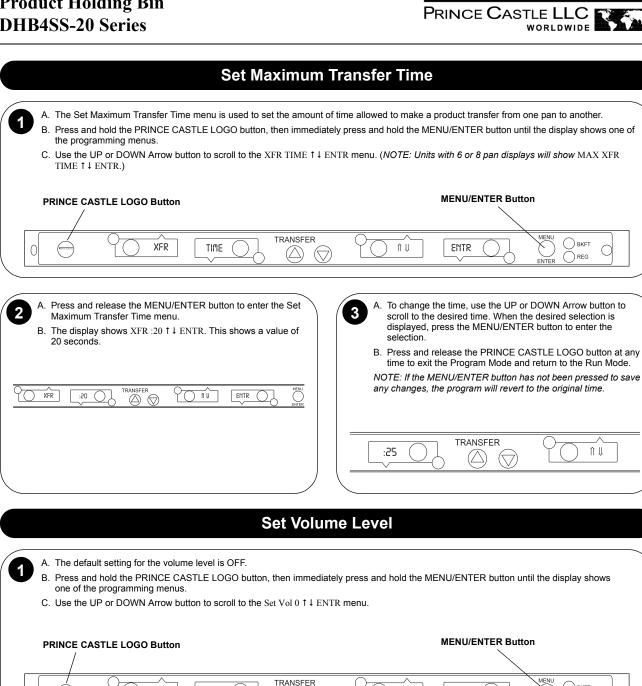
- A. The Alternating Display Interval allows the timer bar displays to alternate between the product name and remaining Hold time. The default setting is 5 seconds.
- B. Press and hold the PRINCE CASTLE LOGO button, then immediately press and hold the MENU/ENTER button until the display shows one of the programming menus.
- C. Use the UP or DOWN Arrow button to scroll to the DISP ALT TIME menu. Press MENU/ENTER button.
- D. Use the Up and Down Arrow buttons to adjust the interval setting from 0 to 15 seconds. Press MENU/ENTER to save the change.
- E. Press and hold the PRINCE CASTLE LOGO button at any time to exit the Program Mode.



8



| Changing Pro | oduct Names |
|---|---|
| A. The EDIT PRODUCT NAME menu is used to change a default pro B. Press and hold the PRINCE CASTLE LOGO button, then immedia one of four programming menus. C. Use the UP or DOWN Arrow button to scroll to the PROD NAME † NOTE: The default names available for editing are listed on page 13. | tely press and hold the MENU/ENTER button until the display shows |
| PRINCE CASTLE LOGO Button | MENU/ENTER Button |
| | |
| A Press and release the MENU/ENTER button to enter the Edit Product Name menu. The display will read PROD XXXX 1 J ENTR. B. Use the UP or DOWN Arrow button to scroll through the list of products. C. When the desired product is displayed, press the MENU/ENTER button to select it. The first letter (in this case, the E) will start blinking. | A. To change the blinking E, use the UP or DOWN Arrow button to scroll to the desired letter/number/symbol. B. When the desired selection is displayed, press the PAN button (to the left or right of the selected display) to move to the next digit. C. Repeat for all digits. |
| When all four digits have been changed, press the MENU/ ENTER button to save the new name. | A. The display will show PROD NAME 1 I ENTR. Repeat Steps 2 – 4 for any other product. B. Press and release the PRINCE CASTLE LOGO button at any time to exit the Program Mode and return to the Run Mode. NOTE: If the MENU/ENTER button has not been pressed to save any changes, the program will revert to the original names. |
| | |



A. Press and release the MENU/ENTER button to enter the Set Volume menu. B. The display shows SET VOL 0 1 & ENTR. This shows that

The volume may be set for Vol 0 (off) or for volume levels Vol 1

the volume is currently turned off.

SET

VOL O

 (\bigtriangleup) $(\nabla 7)$



îŲ

To change the volume level, use the UP or DOWN Arrow button to scroll to the desired level. When the desired selection is displayed, press the MENU/ENTER button.

ENTR

) BKFT

() REG

B. Press and release the PRINCE CASTLE LOGO button at any time to exit the Program Mode and return to the Run Mode. NOTE: If the MENU/ENTER button has not been pressed to save any changes, the program will revert to the original time.

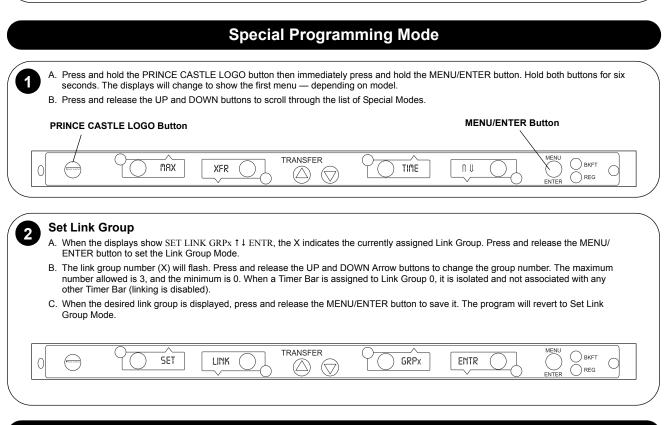
through Vol 3.

2



Product Linking

Any Timer Bar (except bun holding timers) can be linked to others (see Special Programming Mode, this page). If Timer Bars are set to the same link group, any product started in any bar of the same group will be compared to all other products in the same group, and its LED color will be determined based on all timers in the group with the same product (not just with all timers on its own Timer Bar).



CastleNet® Communications Network

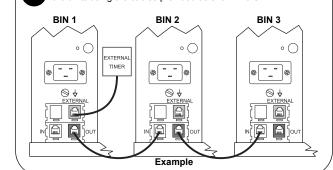
1

The Prince Castle DHB Bins, external timers, 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-tobin. 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.

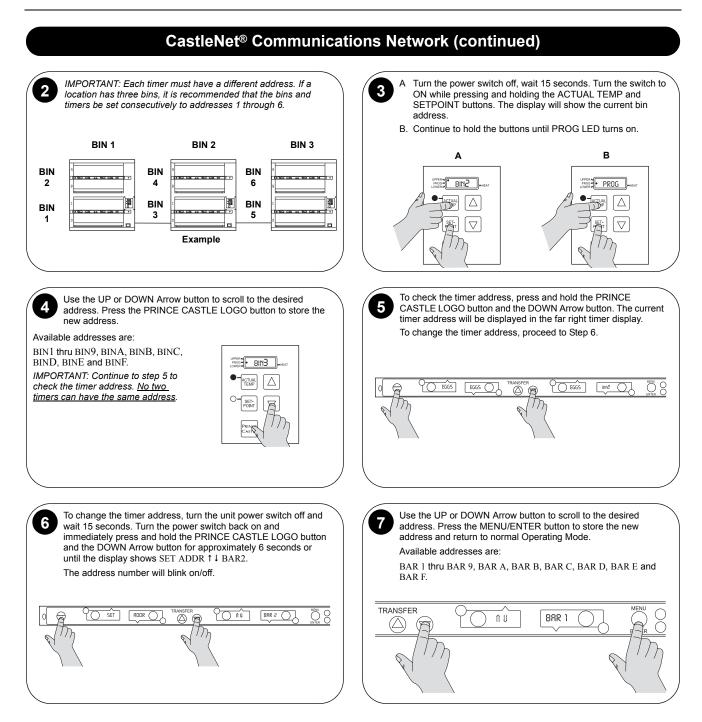
Each bin is supplied with a standard 25' cable and allows units to be "daisy-chained" together to form the network. If cable is too short, use Prince Castle Extender Cable Kit, P/N PC-COMEXT.

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.

Telephone jack plugs are located on the back of the unit. Connect \searrow the units using the cables provided as shown here.









Factory Presets

| Product | Display Name | Hold Minutes ¹ | Cook-More Minutes ¹ |
|------------------|--------------|---------------------------|--------------------------------|
| Burger | BUR1 | 30 | 3 |
| Burger | BUR2 | 30 | 3 |
| Chicken Patty | CHX1 | 30 | 3 |
| Chicken Patty | CHX2 | 30 | 3 |
| Chicken Patty | CHX3 | 30 | 3 |
| Chicken Wing | WING | 30 | 3 |
| Fish | FISH | 5 | 3 |
| Eggs | EGGS | 30 | 3 |
| Sausage | SAUS | 30 | 3 |
| Bacon | BACN | 30 | 3 |
| Ham | HAM | 30 | 3 |
| Popper | POP | 30 | 3 |
| Mozzarella Stick | MOZ | 30 | 3 |
| Onion | ONIN | 10 | 7 |
| Mushroom | MUSH | 30 | 3 |
| Chicken Nuggets | NUGG | 30 | 3 |
| Spicy Chicken | SPCY | 30 | 26 |
| French Toast | TOST | 10 | 8 |
| Chicken Stars | STAR | 30 | 27 |
| Large | LRG | 20 | 17 |
| \$6 Burger | SIX | 20 | 17 |
| BBQ Chicken | BBQ | 20 | 17 |
| Crispy Chicken | CRSP | 30 | 26 |
| Special #1 | SPC1 | 30 | 3 |
| Special #2 | SPC2 | 30 | 3 |

1. Hold and Cook-More times may be re-programmed. See page 7.

2. Product abbreviations SPC1 and SPC2 may be reprogrammed. See page 9.

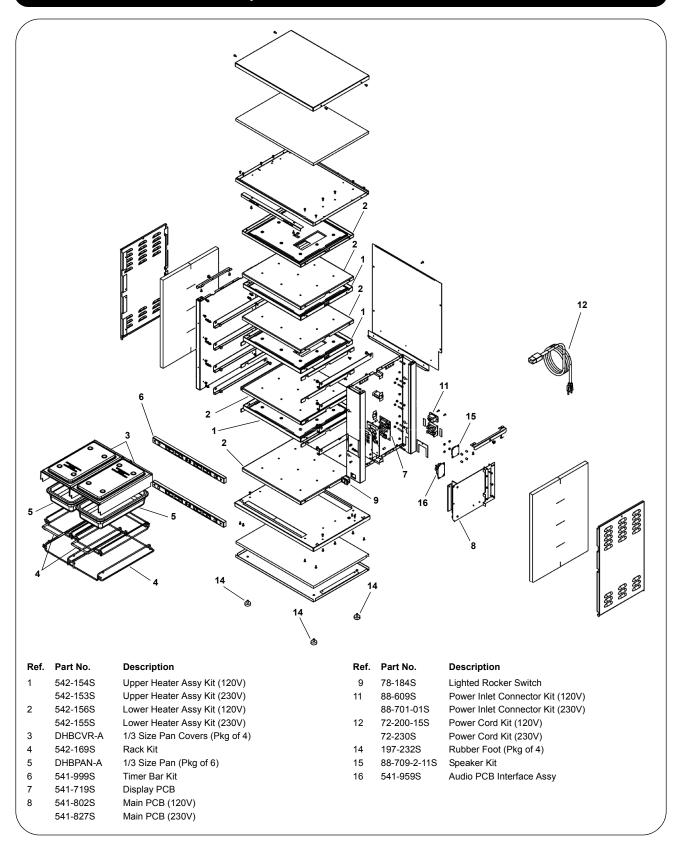
| Menus | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|
| UP | DOWN | UP | DOWN | UP | DOWN | UP | DOWN | Menu | LED |
| CRSP | ONIN | BBQ | SPCY | SIX | SIX | LRG | LRG | MNU1 | Bkft |
| BUR1 | BUR1 | BUR1 | BUR1 | BUR2 | BUR2 | BUR2 | BUR2 | MNU2 | Reg |
| CHX1 | CHX1 | CHX2 | CHX2 | CHX3 | CHX3 | WING | FISH | MNU3 | Reg |
| CHX1 | CHX2 | WING | WING | MOZ | MOZ | POP | POP | MNU4 | Reg |
| CHX1 | CHX2 | CHX3 | WING | WING | POP | ONIN | MUSH | MNU5 | Reg |
| EGGS | EGGS | EGGS | EGGS | HAM | BACN | SAUS | SAUS | MNU6 | Bkft |

Troubleshooting

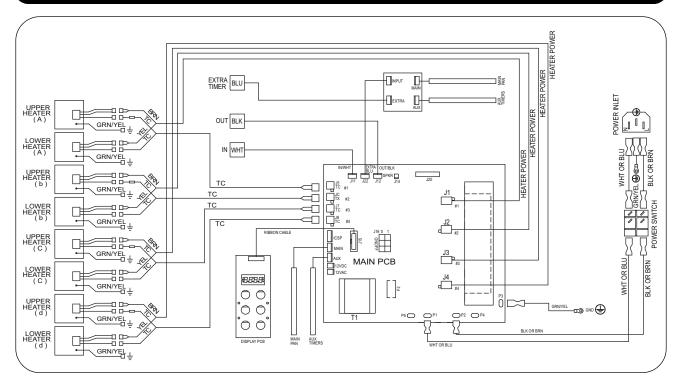
| PROBLEM | PROBABLE CAUSE | SOLUTION | | |
|--|--|---|--|--|
| Display flashes Opn and rEL. | Open relay. Circuit inoperable. | Consult an authorized Service Technician. | | |
| Display flashes SHr and rEL. | Shorted relay. Circuit inoperable. Open heater. Unplugged ribbon cable between power and main circuit boards. | Consult an authorized Service Technician. | | |
| Display flashes Opn and rEL. | Temperature is below 75°F. Heater inoperable. Probe inoperable. Relay inoperable. | Consult an authorized Service Technician. | | |
| Display shows HHH for an extended period of time and heater surface temperature is hot. | Temperature is above 300°F (abnormal operation). | Consult an authorized Service Technician. | | |
| Display shows HHH for an extended period of time and heater surface temperature is cool. | Probe is inoperable. | | | |



Exploded View and Parts List



Wiring Diagram





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