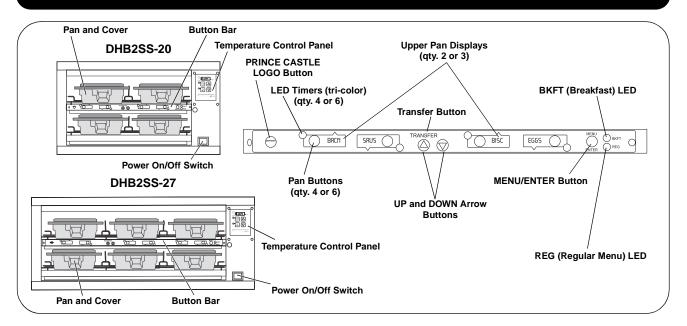
Product Identification



LIMITED WARRANTY

This product is warranted to be free from defects in material and/or workmanship for a period of 1 year from date of original installation, not to exceed 18 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.

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PRINCE CASTLE INC.

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Specifications

| Model | Volts | Watts | Hertz |
|-----------|-------|-------|-------|
| DHB2SS-20 | 120 | 1700 | 60 |
| DHB2SS-27 | 120 | 1650 | 60 |

Safety Information



M WARNING

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

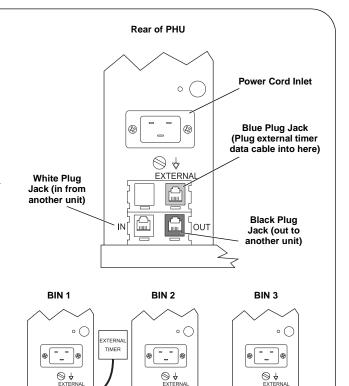
NOTE: When installing this unit, the ambient temperature at the mounting site should not exceed 100°F.

- 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 a Prince Castle external timer bar (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.

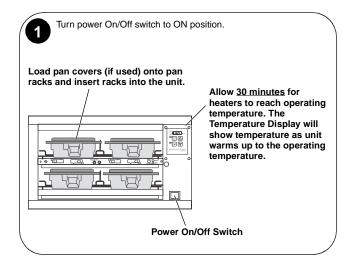
NOTE: If the unit is to be networked with other Prince Castle units, an external timer may be connected to any one bin in the chain. Refer to CASTLENET COMMUNICATIONS NETWORK in this manual.

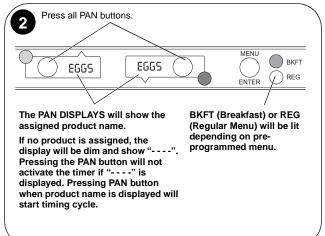


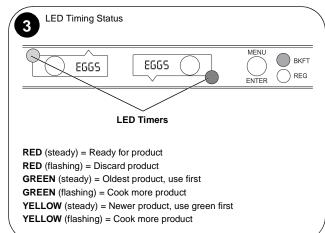
Prince Castle reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.

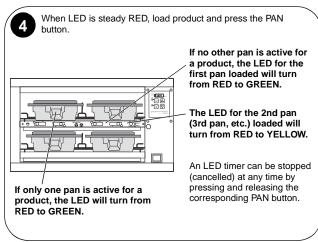


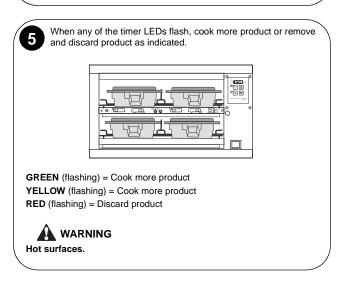
Operation

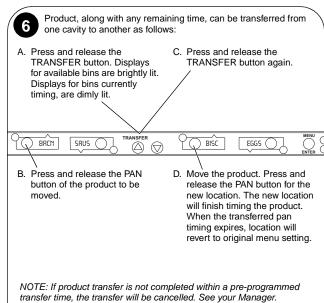








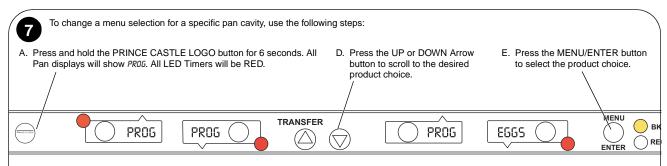




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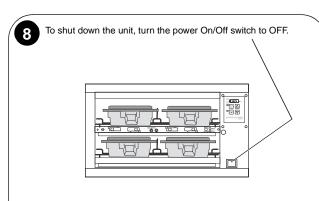


Operation (continued)



- B. Press and hold the MENU/ENTER button. The display next to the MENU/ENTER button will display the product choices. While holding the MENU/ENTER button, press the UP or DOWN Arrow button to scroll through the product choices. While scrolling, the BKFT LED will be lit for the breakfast menus and the REG LED will be lit for the regular menus.
- C. Press a PAN button to change the product, the LED timer will change $\,$ to yellow and the display will change from PROS to the assigned product choice and two other displays will change to up and down arrows and ENR.
- Repeat Steps A E as required for other Pan displays. Press the PRINCE CASTLE LOGO button to exit the Program Mode.

NOTE: Up to six products may be programmed for each Pan button (1 for each menu). In addition, a pan may be set as "not used" by assigning "----" as its product.



Cleaning



WARNING

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



CAUTION

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.
- 2. 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



The unit has two shelves, each with an upper and lower heater (four heaters total).

The factory pre-set for the upper heaters is 225°F.

The factory pre-set for the lower heaters is 195°F.

Each upper heater has a programmable range of 150° – 275°F.

Each lower heater has a programmable range of 150° – 225°F.

Use the control below and the following steps to set the setpoint temperature for each heater.

UPPER SHELF LED

This LED will be lit to indicate upper shelf is selected.

PROG LED -

This LED will be lit to indicate unit is in Program Mode.

LOWER SHELF LED

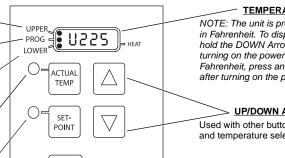
This LED will be lit to indicate lower shelf is selected.

ACTUAL TEMP BUTTON and LED

Press to display actual temperature for the selected heater. LED will be lit when actual temperature is displayed.

SETPOINT BUTTON and LED

Press to display setpoint temperature of a selected heater. LED will be lit when setpoint temperature is displayed.



TEMPERATURE DISPLAY

NOTE: The unit is preset to display temperature in Fahrenheit. To display in Celsius, press and hold the DOWN Arrow button immediately after turning on the power switch. To switch back to Fahrenheit, press and hold the UP Arrow button after turning on the power switch.

> UP/DOWN ARROW BUTTONS

Used with other buttons to scroll through heater and temperature selections.

--- PRINCE CASTLE LOGO BUTTON

Press to enter temperature selections.

NOTE: To reset all times and temperatures to the factory settings, turn the unit off, then press and hold the UP and DOWN Arrow buttons simultaneously while turning the unit back on. A "P" will appear in the display and all times and temperatures will be reset to original factory settings.

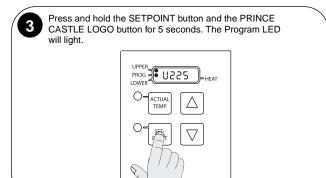
PRINCE

Castle

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

UPPER PROG LOWER

O ACTUAL SET. POINT



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

UPPER PROG U22D HEAT OF SET-POINT POINT

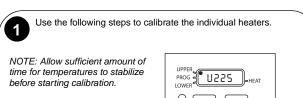
Press the PRINCE CASTLE LOGO button to save the new setpoint value. Repeat steps 2 – 5 to change the setpoint for any other heater.

UPPER PRIOCE LOWER

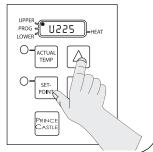
ACTUAL ATTUAL ATTUAL ATTUAL ATTUAL ACTUAL ATTUAL ATT

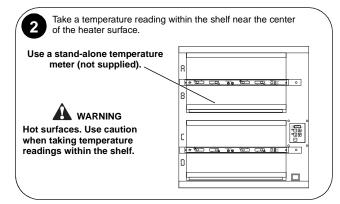


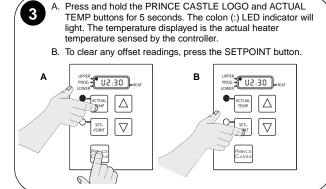
Calibrating Heaters

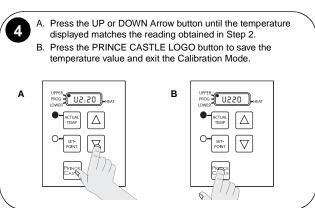


Press the UP or DOWN Arrow button until the desired shelf LED and upper (U) or lower (L) heater is selected.

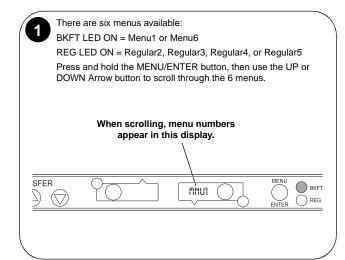


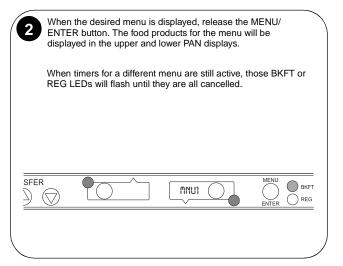






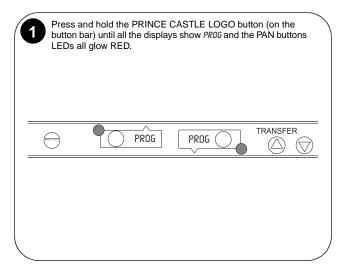
Selecting Breakfast and Regular Menus

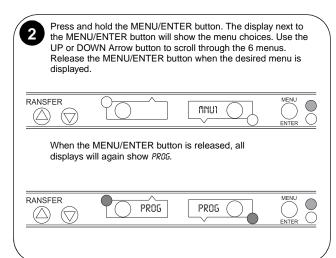


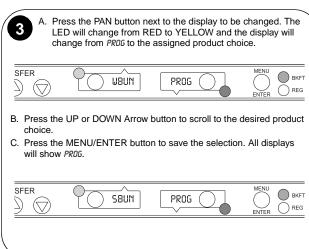


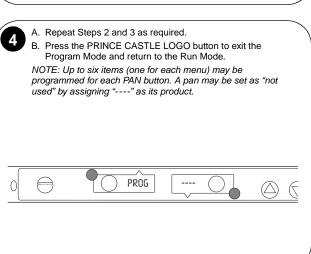


Programming the Menus

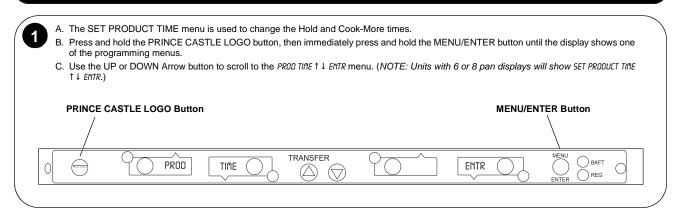








Changing the Hold and Cook-More Times



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Changing the Hold and Cook-More Times (continued)

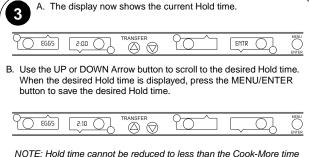


- Press and release the MENU/ENTER button to enter the Set Product Time menu. The display will show, for example, EGGS TIME ↑ ↓ ENTR.
- B. Use the UP or DOWN Arrow button to scroll through the list of products. When the desired product is displayed, press the MENU/ENTER button to select it.

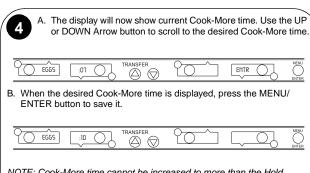
Refer to the Product Menu Details on page 12 for a list of products and their corresponding display names.



NOTE: Holding the UP or DOWN Arrow button for longer than 2 seconds will cause the product list to automatically scroll up or down.

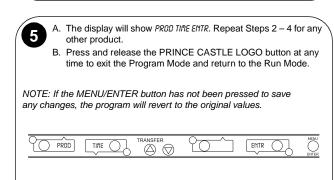


NOTE: Hold time cannot be reduced to less than the Cook-More time plus one minute.



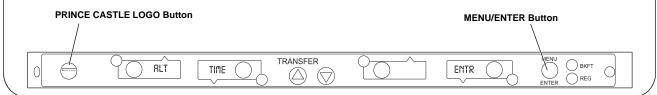
NOTE: Cook-More time cannot be increased to more than the Hold

time minus one minute



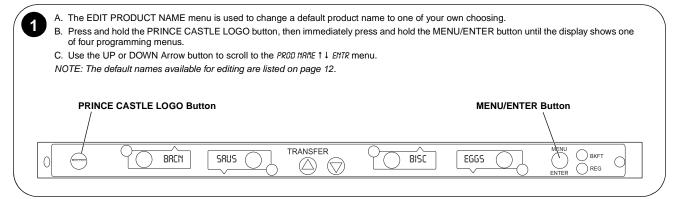
Setting the Alternating Display Interval

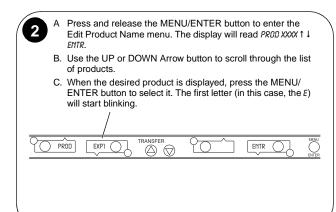
- A. The Alternating Display Interval allows the timer bar displays to alternate between the product name and remaining Hold time. The default setting
- B. Press and hold the PRINCE CASTLE LOGO button, then immediately press and hold the MENU/ENTER button until the display shows one of the programming 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.

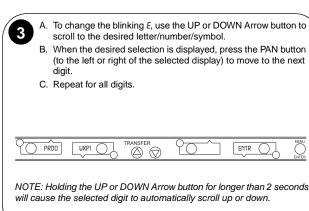


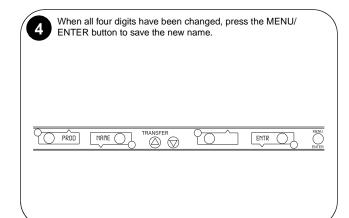


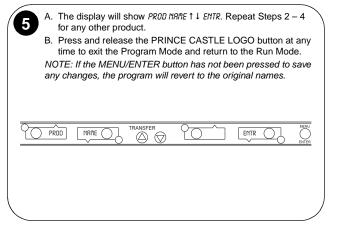
Changing Product Names







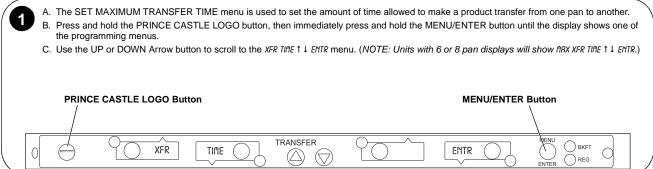


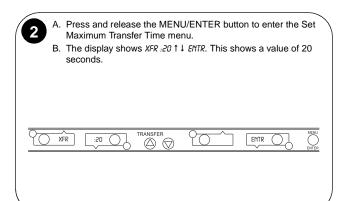


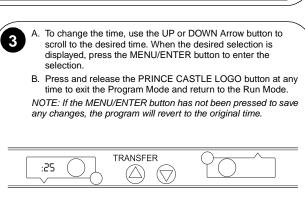
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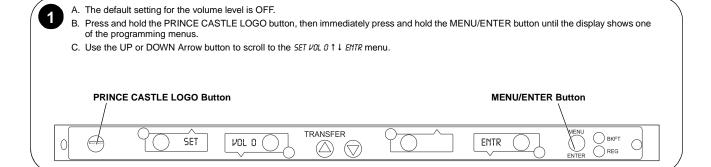
Set Maximum Transfer Time







Set Volume Level



- A. Press and release the MENU/ENTER button to enter the Set Volume menu.
 - B. The display shows SET VOL 0 ↑ ↓ ENTR. This shows that the volume is currently turned off.

The volume may be set for Vol 0 (off) or for volume levels Vol 1 through Vol 3.

- A. 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.
 - 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 volume level.

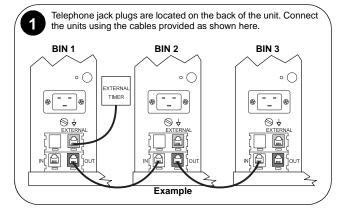


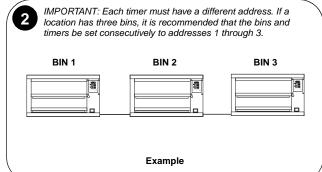
CastleNet® Communications Network

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-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 l. The factory default address for Specialty bins and timers is address l. If a third bin is used, the address must be set at l.

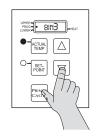






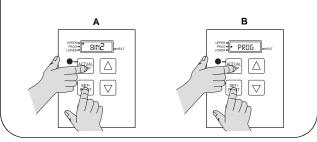
Available addresses are: BIN1 thru BIN9, BINA, BINB, BINB, BINE, BIND, BINE and BINE

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



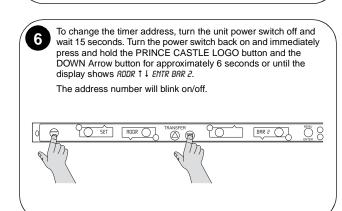
A Turn the power switch off, wait 15 seconds. Turn the switch to ON while pressing and holding the ACTUAL TEMP and SET-POINT buttons. The display will show the current bin address.

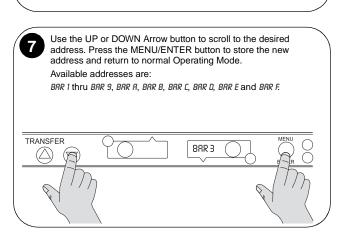
B. Continue to hold the buttons until PROG LED turns on.



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.





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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 | 30 | 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 | 30 | 3 |
| Mushroom | MUSH | 30 | 3 |
| Chicken Nuggets | NUGG | 30 | 3 |
| Special #1 | SPC1 ₂ | 30 | 3 |
| Special #2 | SPC2 ₂ | 30 | 3 |
| Special #3 | SPC3 ₂ | 30 | 3 |
| Special #4 | SPC4 ₂ | 30 | 3 |
| Special #5 | SPC5 ₂ | 30 | 3 |
| Special #6 | SPC6 ₂ | 30 | 3 |
| Special #7 | SPC7 ₂ | 30 | 3 |
| Special #8 | SPC8 ₂ | 30 | 3 |
| Special #9 | SPC9 ₂ | 30 | 3 |

| Menus |
|-------|
| |

HAM BACN SAUS EGGS MNU1 Bkft2 BUR1 BUR2 BUR2 BUR2 MNU2 Reg1 CHX1 CHX2 CHX3 WING MNU3 Reg2 Reg3 POP FISH MOZ MUSH MNU4 POP MOZ ONIN MUSH MNU5 Reg4 **EGGS** HAM BACN SAUS MNU6 Bkft1

| 6 Channel Menus | | | | | | | | |
|-----------------|------|------|------|------|------|------|------|------|
| Timer | 6 | 5 | 4 | 3 | 2 | 1 | | |
| | STAR | FISH | TOST | ONIN | CRSP | SPCY | MNU1 | Bkft |
| | BUR1 | BUR1 | BUR1 | BUR2 | BUR2 | BUR2 | MNU2 | Reg |
| | CHX1 | MUSH | MOZ | POP | WING | WING | MNU3 | Reg |
| | CHX1 | CHX2 | WING | MOZ | POP | POP | MNU4 | Reg |
| | CHX1 | CHX2 | CHX3 | POP | ONIN | MUSH | MNU5 | Reg |
| | EGGS | EGGS | EGGS | HAM | BACN | SAUS | MNU6 | Bkft |



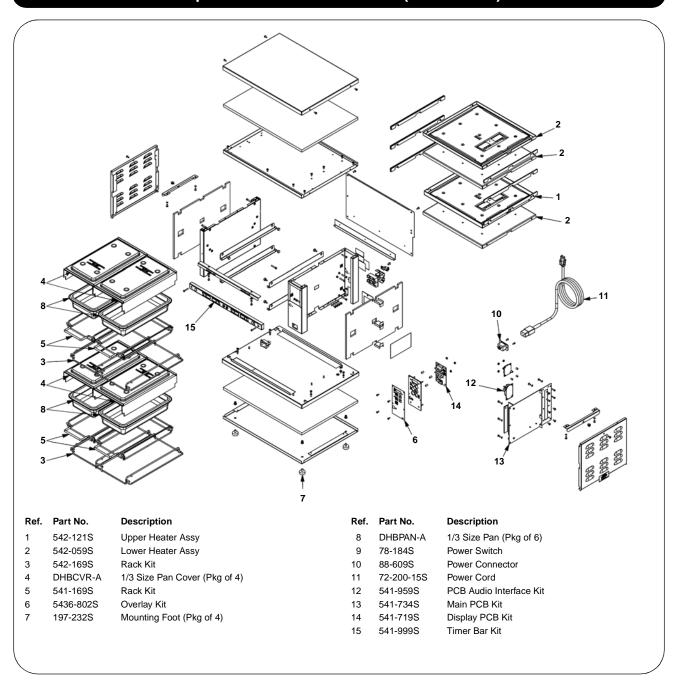
Troubleshooting

| PROBLEM | PROBABLE CAUSE | SOLUTION |
|--|---|--|
| Display flashes OPN and REL. | Open relay. Circuit inoperable. | Consult authorized Service Technician. |
| Display flashes 5HR and REL. | Shorted relay. Circuit inoperable. Open heater. Unplugged ribbon cable between power and main circuit boards. | Consult authorized Service Technician. |
| Display flashes מאח and REL. | Temperature is below 75°F. Heater inoperable. Probe inoperable. Relay inoperable. | Consult 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 authorized Service Technician. |
| Display shows HHH for an extended period of time and heater surface temperature is cool. | Probe is inoperable. | Consult authorized Service Technician. |

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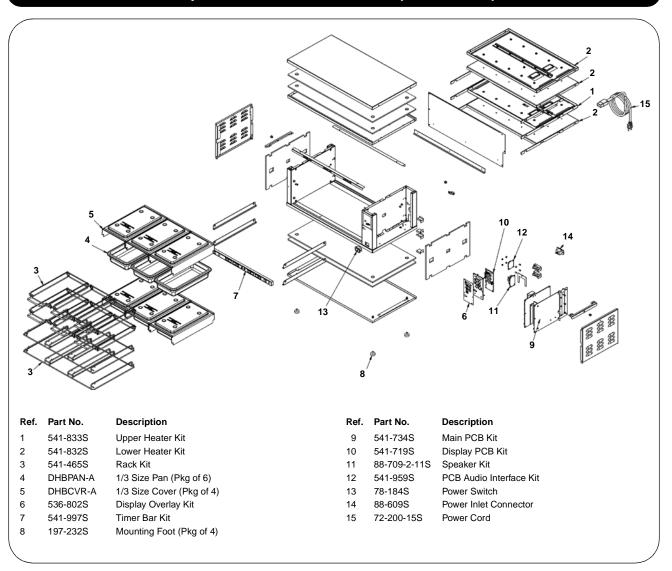


Exploded View and Parts List (DHB2SS-20)





Exploded View and Parts List (DHB2SS-27)





Wiring Diagram (DHB2SS-20 and -27)

