Operation Manual

Product Identification

DHB2PT-20

- Pan and Cover
- Button Bar
- Temperature Control Panel
- PRINCE CASTLE LOGO Button
- LED Timers (tri-color) (qty. 4, 6 or 8)
- Upper Pan Displays (qty. 2 or 3)
- BKFT (Breakfast) LED
- Transfer Button
- Power On/Off Switch
- Pan Buttons (qty. 4, 6 or 8)
- UP and DOWN Arrow Buttons
- MENU/ENTER Button
- REG (Regular Menu) LED

BRCN   SAUS   TRANSFER   BISC   EGGS   MENU/ENTER   BKFT   REG

DHB2PT-27

- Temperature Control Panel
- Power On/Off Switch
- Pan and Cover
- Button Bar

DHB2PT-33

- Temperature Control Panel
- Power On/Off Switch
- Pan and Cover
- Button Bar

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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WORLDWIDE

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Specifications

Model	Volts	Watts	Hertz	Model	Volts	Watts	Hertz
DHB2PT-20B	120	1700	60	DHB2PT-20BCE	220 – 240	1500	50
DHB2PT-27B	120	1650	60	DHB2PT-33BCE	240	2600	50
DHB2PT-27BCE	230	2500	50	DHB2PT-33BGB	220 – 240	2500	50
DHB2PT-33B	208 – 240	2500	50/60				

Safety Information

⚠ **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.

⚠ **CAUTION**

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.
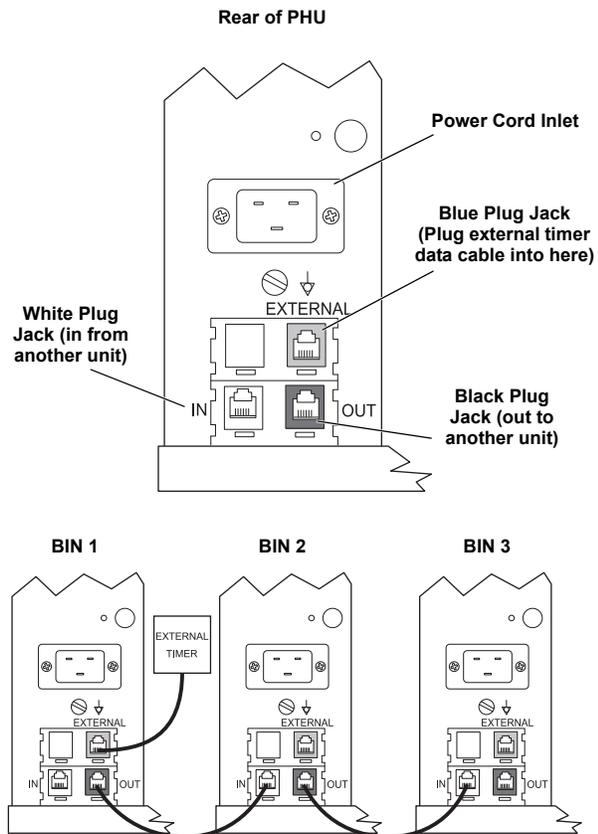
B. Place the bin on a counter and seal the base to the counter with food-approved sealant.

C. Plug the power cord into the bin and connect the plug into the proper electrical outlet. 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.

Rear of PHU

Power Cord Inlet

Blue Plug Jack (Plug external timer data cable into here)

EXTERNAL

White Plug Jack (in from another unit)

IN OUT

Black Plug Jack (out to another unit)

BIN 1   **BIN 2**   **BIN 3**

EXTERNAL TIMER

EXTERNAL   EXTERNAL   EXTERNAL

IN OUT   IN OUT   IN OUT

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

1 Turn power On/Off switch to ON position.

Load pan covers (if used) onto pan racks and insert racks into the unit.

Allow 30 minutes for heaters to reach operating temperature. The Temperature Display will show temperature as unit warms up to the operating temperature.
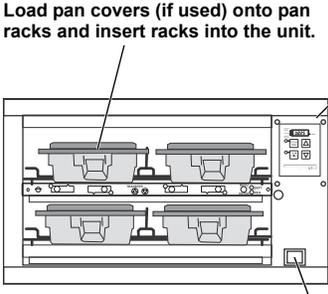
Power On/Off Switch

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2 Press all PAN buttons.

MENU
ENTER
BKFT
REG

The PAN DISPLAYS will show the assigned product name.

If no product is assigned, the display will be dim and show "- - - -". Pressing the PAN button will not activate the timer if "- - - -" is displayed. Pressing PAN button when product name is displayed will start timing cycle.

**BKFT (Breakfast) or REG (Regular Menu) will be lit depending on pre-programmed menu.**

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3 LED Timing Status

MENU
ENTER
BKFT
REG

LED Timers

RED (steady) = Ready for product
RED (flashing) = Discard product
GREEN (steady) = Oldest product, use first
GREEN (flashing) = Cook more product
YELLOW (steady) = Newer product, use green first
YELLOW (flashing) = Cook more product

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4 When LED is steady RED, load product and press the PAN button.
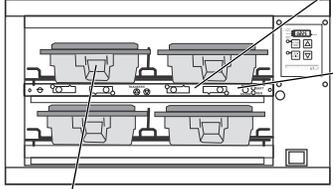
If no other pan is active for a product, the LED for the first pan loaded will turn from RED to GREEN.

The LED for the 2nd pan (3rd pan, etc.) loaded will turn from RED to YELLOW.

An LED timer can be stopped (cancelled) at any time by pressing and releasing the corresponding PAN button.

If only one pan is active for a product, the LED will turn from RED to GREEN.

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5 When any of the timer LEDs flash, cook more product or remove and discard product as indicated.
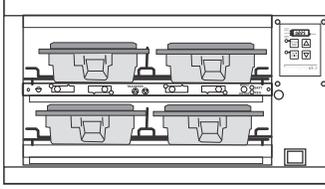
GREEN (flashing) = Cook more product
YELLOW (flashing) = Cook more product
RED (flashing) = Discard product

⚠ **WARNING**
Hot surfaces.

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6 Product, along with any remaining time, can be transferred from one cavity to another as follows:

A. Press and release the TRANSFER button. Displays for available bins are brightly lit. Displays for bins currently timing, are dimly lit.

C. Press and release the TRANSFER button again.

BACN SAUS TRANSFER BISC EGGS MENU ENTER

B. Press and release the PAN button of the product to be moved.

D. Move the product. Press and release the PAN button for the new location. The new location will finish timing the product. When the transferred pan timing expires, location will revert to original menu setting.
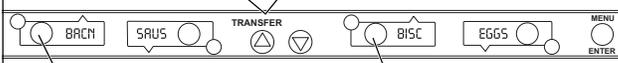
NOTE: If product transfer is not completed within a pre-programmed transfer time, the transfer will be cancelled. See your Manager.

Operation (continued)

7 To change a menu selection for a specific pan cavity, use the following steps:

A. Press and hold the PRINCE CASTLE LOGO button for 6 seconds. All Pan displays will show PROG. All LED Timers will be RED.

D. Press the UP or DOWN Arrow button to scroll to the desired product choice.

E. Press the MENU/ENTER button to select the product choice.


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PROG     PROG     TRANSFER        PROG     EGGS     MENU   BK
                    △  ▽                            ENTER  RE
```

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 PROG to the assigned product choice and two other displays will change to up and down arrows and ENTR.

F. 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.

8 To shut down the unit, turn the power On/Off switch to OFF.
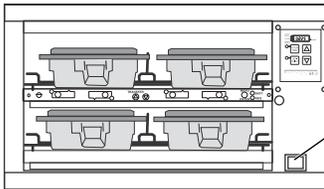
Cleaning

⚠ **WARNING**

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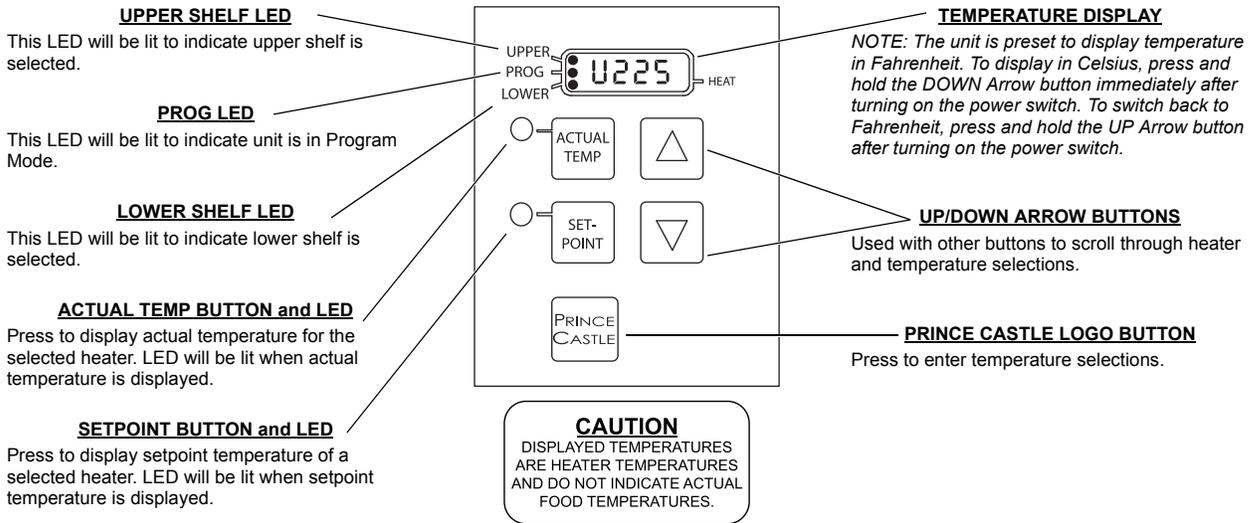
⚠ **CAUTION**

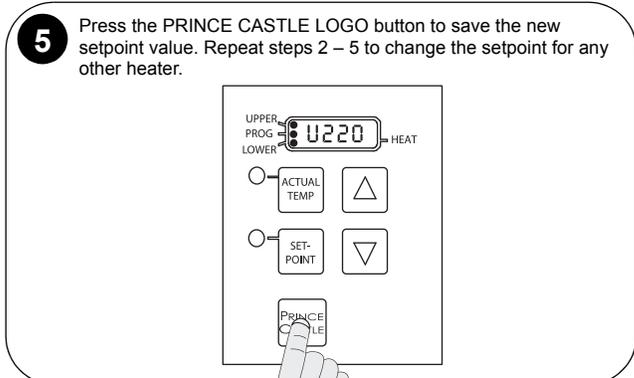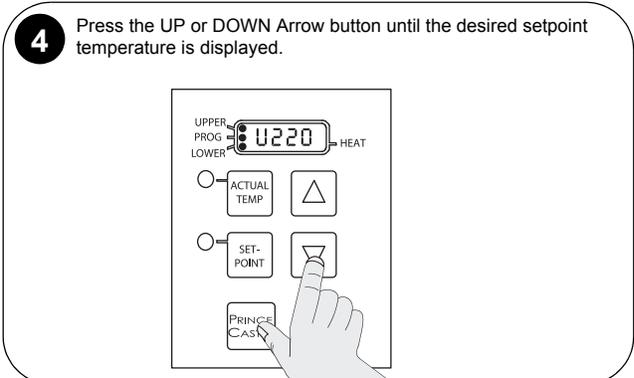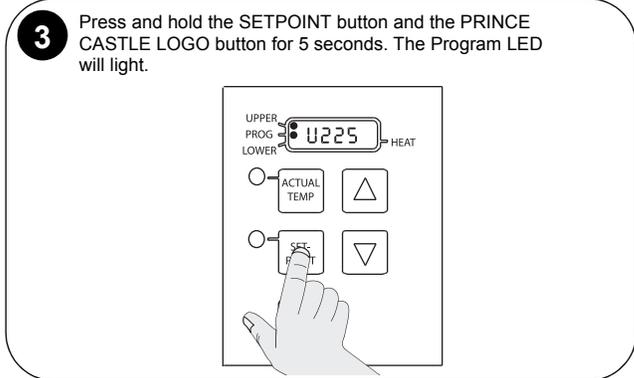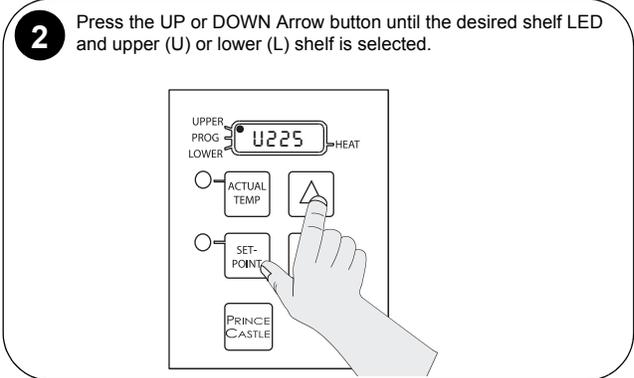**This unit is not watertight. Do not clean with a water jet/jet spray. Do not immerse the unit in water.**

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

1 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.

CAUTION
DISPLAYED TEMPERATURES ARE HEATER TEMPERATURES AND DO NOT INDICATE ACTUAL FOOD TEMPERATURES.

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.

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

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

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

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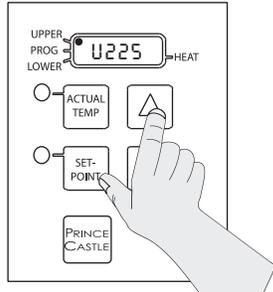
Calibrating Heaters

1 Use the following steps to calibrate the individual heaters.

NOTE: Allow sufficient amount of time for temperatures to stabilize before starting calibration.

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

UPPER PROG LOWER U225 HEAT
ACTUAL TEMP
SET-POINT
PRINCE CASTLE

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

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

⚠ **WARNING**

Hot surfaces. Use caution when taking temperature readings within the shelf.
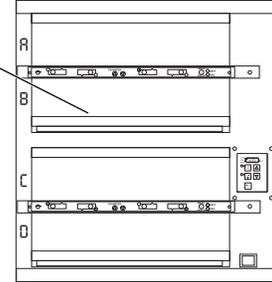
3 A. Press and hold the PRINCE CASTLE LOGO and ACTUAL TEMP buttons for 5 seconds. The colon (:) LED indicator will light. The temperature displayed is the actual heater temperature sensed by the controller.
B. To clear any offset readings, press the SETPOINT button.

A UPPER PROG LOWER U2:30 HEAT

B UPPER PROG LOWER U2:30 HEAT
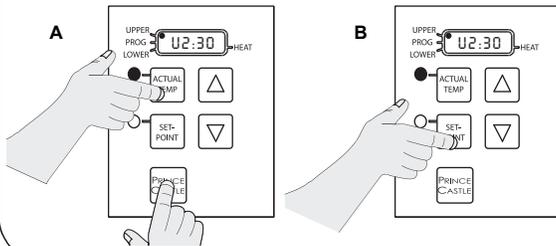
4 A. Press the UP or DOWN Arrow button until the temperature displayed matches the reading obtained in Step 2.
B. Press the PRINCE CASTLE LOGO button to save the temperature value and exit the Calibration Mode.

A UPPER PROG LOWER U2:20 HEAT

B UPPER PROG LOWER U220 HEAT
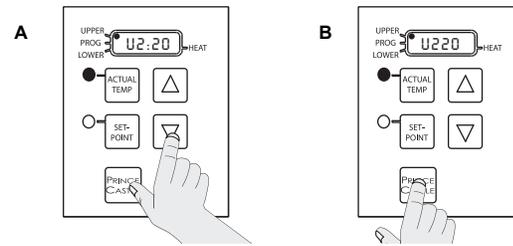
Selecting Breakfast and Regular Menus

1 There are six menus available:
BKFT LED ON = Menu1 or Menu6
REG LED ON = Regular2, Regular3, Regular4, or Regular5
Press and hold the MENU/ENTER button, then use the UP or DOWN Arrow button to scroll through the 6 menus.

When scrolling, menu numbers appear in this display.

SFER ▽ MNU1 MENU ENTER BKFT REG

2 When the desired menu is displayed, release the MENU/ENTER button. The food products for the menu will be displayed in the upper and lower PAN displays.

When timers for a different menu are still active, those BKFT or REG LEDs will flash until they are all cancelled.

SFER ▽ MNU1 MENU ENTER BKFT REG

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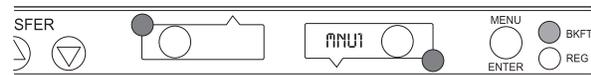
Programming the Menus

1 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.
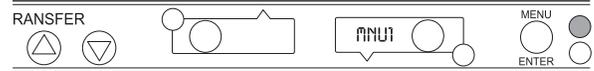
PROG   PROG   TRANSFER

2 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.

RANSFER   MNU1   MENU / ENTER

When the MENU/ENTER button is released, all displays will again show PROG.

RANSFER   PROG   PROG   MENU / ENTER

3 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.

SFER   WBUN   PROG   MENU / ENTER   BKFT   REG
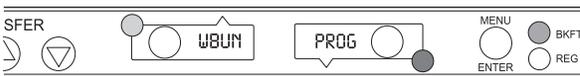
B. Press the UP or DOWN Arrow button to scroll to the desired product choice.
C. Press the MENU/ENTER button to save the selection. All displays will show PROG.

SFER   SBUN   PROG   MENU / ENTER   BKFT   REG
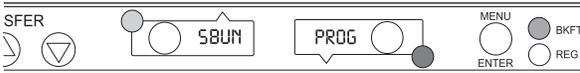
4 A. Repeat Steps 2 and 3 as required.
B. Press the PRINCE CASTLE LOGO button to exit the Program Mode and return to the Run Mode.

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.

PROG   ----

Changing the Hold and Cook-More Times

1 A. The SET PRODUCT TIME menu is used to change the Hold and Cook-More times.
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 PROD TIME ↑↓ ENTR menu. (*NOTE: Units with 6 or 8 pan displays will show* SET PRODUCT TIME ↑↓ ENTR.)

PRINCE CASTLE LOGO Button   **MENU/ENTER Button**

PROD   TIME   TRANSFER   ENTR   MENU / ENTER   BKFT   REG
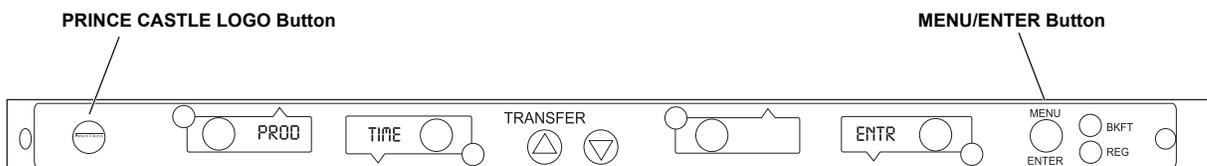
Changing the Hold and Cook-More Times (continued)

2
A. 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.

EGGS   TIME   TRANSFER △ ▽   ENTR   MENU ENTER

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

3
A. The display now shows the current Hold time.

EGGS   2:00   TRANSFER △ ▽   ENTR   MENU ENTER

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.

EGGS   2:10   TRANSFER △ ▽   MENU ENTER

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

4
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.

EGGS   :07   TRANSFER △ ▽   ENTR   MENU ENTER

B. When the desired Cook-More time is displayed, press the MENU/ENTER button to save it.

EGGS   :10   TRANSFER △ ▽   MENU ENTER

NOTE: Cook-More time cannot be increased to more than the Hold time minus one minute.

5
A. The display will show PROD TIME 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 values.

PROD   TIME   TRANSFER △ ▽   ENTR   MENU ENTER

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 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.

**PRINCE CASTLE LOGO Button**   **MENU/ENTER Button**

ALT   TIME   TRANSFER △ ▽   ENTR   MENU ENTER   BKFT   REG

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Changing Product Names

1
A. The EDIT PRODUCT NAME menu is used to change a default product name to one of your own choosing.
B. Press and hold the PRINCE CASTLE LOGO button, then immediately press and hold the MENU/ENTER button until the display shows one of four programming menus.
C. Use the UP or DOWN Arrow button to scroll to the PROD NAME ↑↓ ENTR menu.
NOTE: The default names available for editing are listed on page 12.

PRINCE CASTLE LOGO Button   **MENU/ENTER Button**

BACN   SAUS   TRANSFER   BISC   EGGS   MENU ENTER   BKFT REG
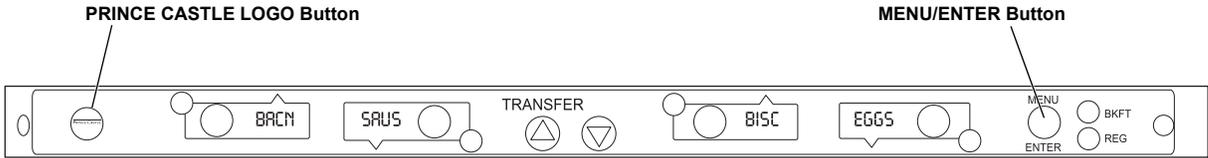
2
A Press and release the MENU/ENTER button to enter the Edit Product Name menu. The display will read PROD XXXX ↑↓ ENTR.
B. Use the UP or DOWN Arrow button to scroll through the list of products.
C. When the desired product is displayed, press the MENU/ENTER button to select it. The first letter (in this case, the E) will start blinking.

PROD   EXP1   TRANSFER   ENTR   MENU ENTER
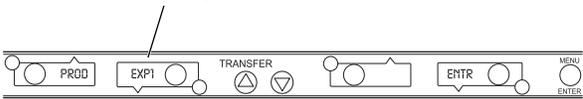
3
A. To change the blinking E, use the UP or DOWN Arrow button to scroll to the desired letter/number/symbol.
B. When the desired selection is displayed, press the PAN button (to the left or right of the selected display) to move to the next digit.
C. Repeat for all digits.

PROD   WXP1   TRANSFER   ENTR   MENU ENTER

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

4
When all four digits have been changed, press the MENU/ENTER button to save the new name.

PROD   NAME   TRANSFER   ENTR   MENU ENTER

5
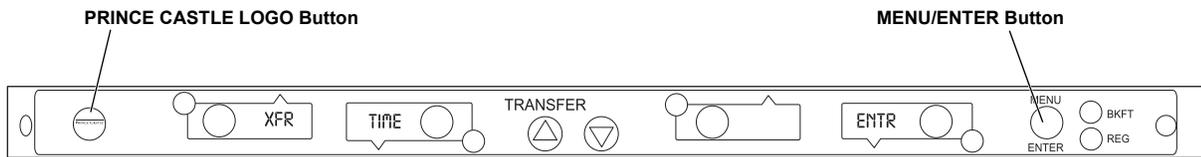A. The display will show PROD NAME ↑↓ ENTR. Repeat Steps 2 – 4 for any other product.
B. Press and release the PRINCE CASTLE LOGO button at any time to exit the Program Mode and return to the Run Mode.
NOTE: If the MENU/ENTER button has not been pressed to save any changes, the program will revert to the original names.

PROD   NAME   TRANSFER   ENTR   MENU ENTER

Set Maximum Transfer Time

1
A. The SET MAXIMUM TRANSFER TIME menu is used to set the amount of time allowed to make a product transfer from one pan to another.
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 XFR TIME ↑↓ ENTR menu. (*NOTE: Units with 6 or 8 pan displays will show* MAX XFR TIME ↑↓ ENTR.)

PRINCE CASTLE LOGO Button   **MENU/ENTER Button**

2
A. Press and release the MENU/ENTER button to enter the Set Maximum Transfer Time menu.
B. The display shows XFR :20 ↑↓ ENTR. This shows a value of 20 seconds.

3
A. To change the time, use the UP or DOWN Arrow button to scroll to the desired time. When the desired selection is displayed, press the MENU/ENTER button to enter the selection.
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.

Set Volume Level

1
A. The default setting for the volume level is OFF.
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 Set Vol 0 ↑↓ ENTR menu.

PRINCE CASTLE LOGO Button   **MENU/ENTER Button**

2
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.

3
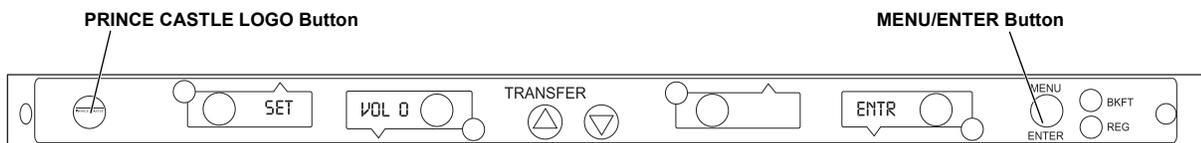A. To change the volume level, use the UP or DOWN Arrow button to scroll to the desired level. When the desired selection is displayed, press the MENU/ENTER button.
B. Press and release the PRINCE CASTLE LOGO button at any time to exit the Program Mode and return to the Run Mode.
NOTE: If the MENU/ENTER button has not been pressed to save any changes, the program will revert to the original volume level.

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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 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.

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

BIN 1   BIN 2   BIN 3

EXTERNAL TIMER

EXTERNAL   EXTERNAL   EXTERNAL

IN   OUT   IN   OUT   IN   OUT

Example

2 *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 3.*

BIN 1   BIN 2   BIN 3

Example

3 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.

A   B

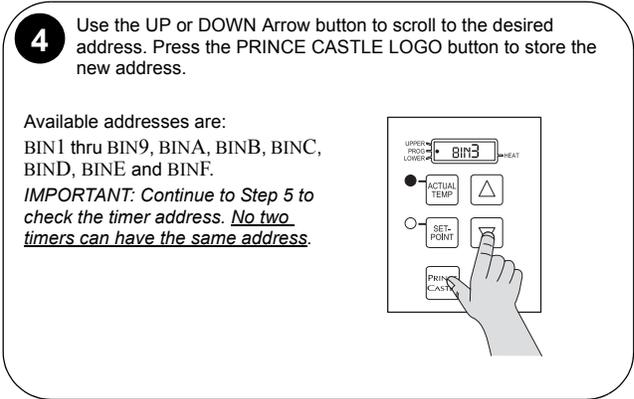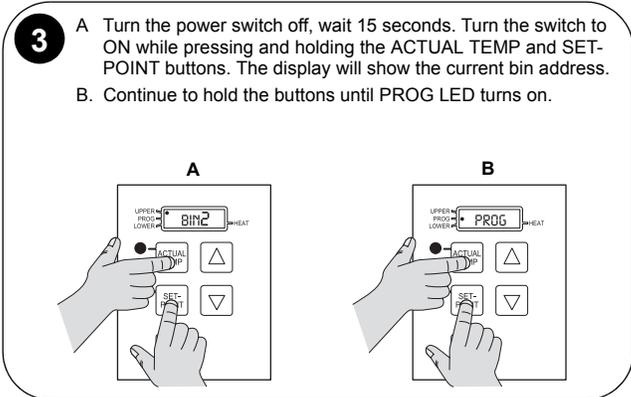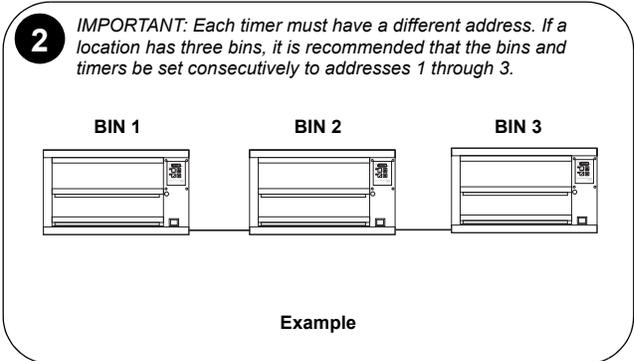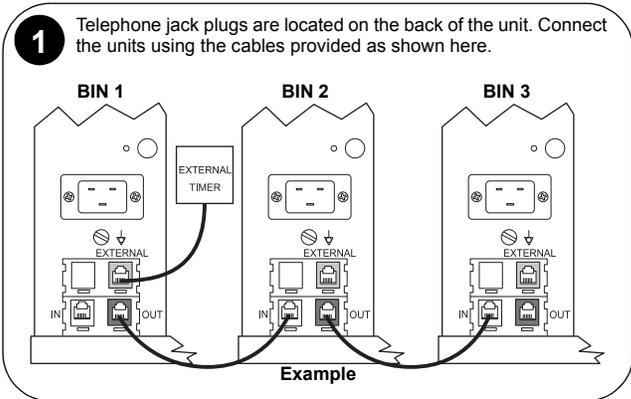UPPER PROG LOWER   BIN2   HEAT

ACTUAL TEMP

SET-POINT

UPPER PROG LOWER   PROG   HEAT

ACTUAL TEMP

SET-POINT

4 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.

UPPER PROG LOWER   BIN3   HEAT

ACTUAL TEMP

SET-POINT

PRINCE CASTLE

5 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.

EGGS   EGGS   TRANSFER   EGGS   BIN2   MENU ENTER

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 ADDR ↑↓ entr BAR 2.
The address number will blink on/off.

SET   ADDR   TRANSFER   BAR 2   MENU ENTER

7 Use the UP or DOWN Arrow button to scroll to the desired address. Press the MENU/ENTER button to store the new address and return to normal Operating Mode.
Available addresses are:
BAR 1 thru BAR 9, BAR A, BAR B, BAR C, BAR D, BAR E and BAR F.

TRANSFER   BAR 3   MENU ENTER

Factory Presets

Product Menu Details

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
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 thru SPC9 may be reprogrammed. See page 9.

Menu	Bkft	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

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.	Replace power circuit board.
Display flashes SHr and rEL.	Shorted relay. Circuit inoperable. Open heater. Unplugged ribbon cable between power and main circuit boards.	Replace power circuit board. Test heater resistance (150.2 Ohms). Replace heater if necessary. 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 (DHB2PT-20B)
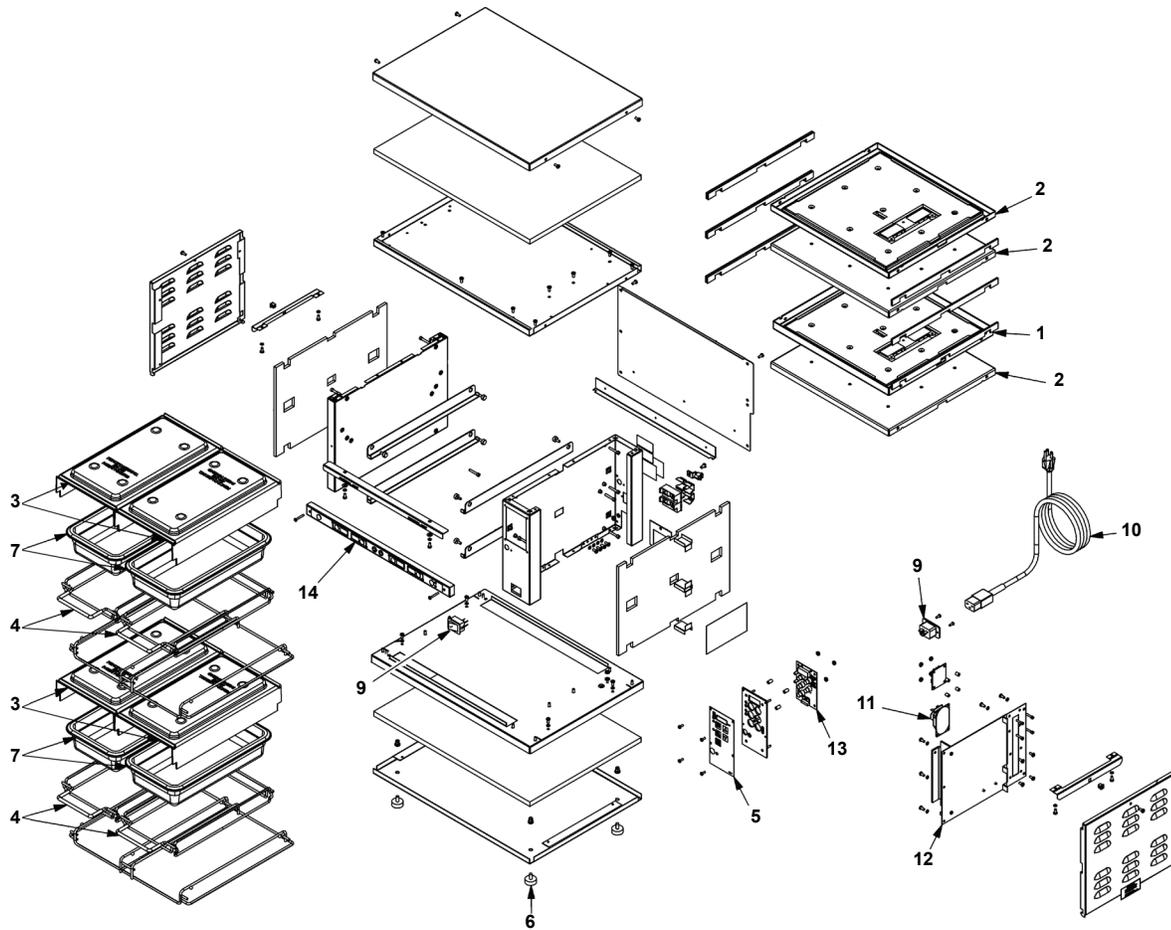
Ref.	Part No.	Description	Ref.	Part No.	Description
1	542-121S	Upper Heater Assy	10	72-200-15S	Power Cord
2	542-059S	Lower Heater Assy	11	541-959S	PCB Audio Interface Kit
3	541-723E4S	Cover (Pkg of 4)	12	541-734S	Main PCB Kit
4	541-725S	Rack Kit	13	541-719S	Display PCB Kit
5	536-802S	Overlay Kit	14	541-999S	Timer Bar Kit
6	197-232S	Mounting Foot (Pkg of 4)	Not Shown*		
7	155695N-4	Pan (Pkg of 4)	*	541-1000S	Auxiliary Timer Bar
8	78-184S	Power Switch	*	88-709-2-11S	Speaker
9	88-609S	Power Connector			

Exploded View and Parts List (DHB2PT-27B/-27BCE)
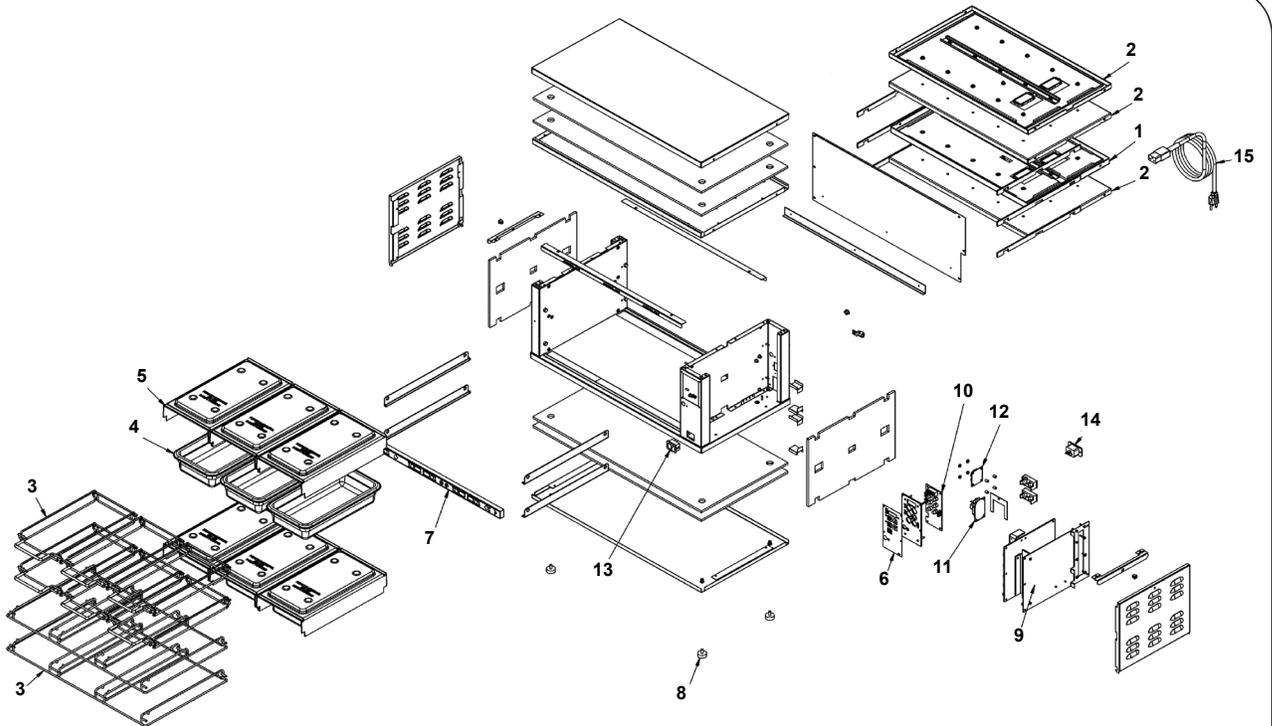
Ref.	Part No.	Description	Ref.	Part No.	Description
1	541-833S	Upper Heater Kit (DHB2PT-27B)	10	541-719S	Display PCB Kit
	541-669S	Upper Heat Assembly (DHB2PT-27BCE)	11	88-709-2-11S	Speaker Kit
2	541-832S	Lower Heater Kit (DHB2PT-27B)	12	541-959S	PCB Audio Interface Kit
	541-695S	Lower Heater Assembly (DHB2PT-27BCE)	13	78-184S	Power Switch
3	541-724S	Rack Kit	14	88-609S	Power Inlet Connector (DHB2PT-27B)
4	155695N-4	Pan (Pkg of 4)		88-720-01S	Power Inlet Connector (DHB2PT-27BCE)
5	541-723E4S	Cover (Pkg of 4)	15	72-200-15S	Power Cord (DHB2PT-27B)
6	536-802S	Display Overlay Kit		72-230S	Power Cord (DHB2PT-27BCE)
7	541-997S	Timer Bar Kit	Not Shown*		
8	197-232S	Mounting Foot (Pkg of 4)	*	541-734S	Control PCB (DHB2PT-27B)
9	541-734S	Main PCB Kit	*	541-735S	Control PCB (DHB2PT-27BCE)

Exploded View and Parts List (DHB2PT-33B)
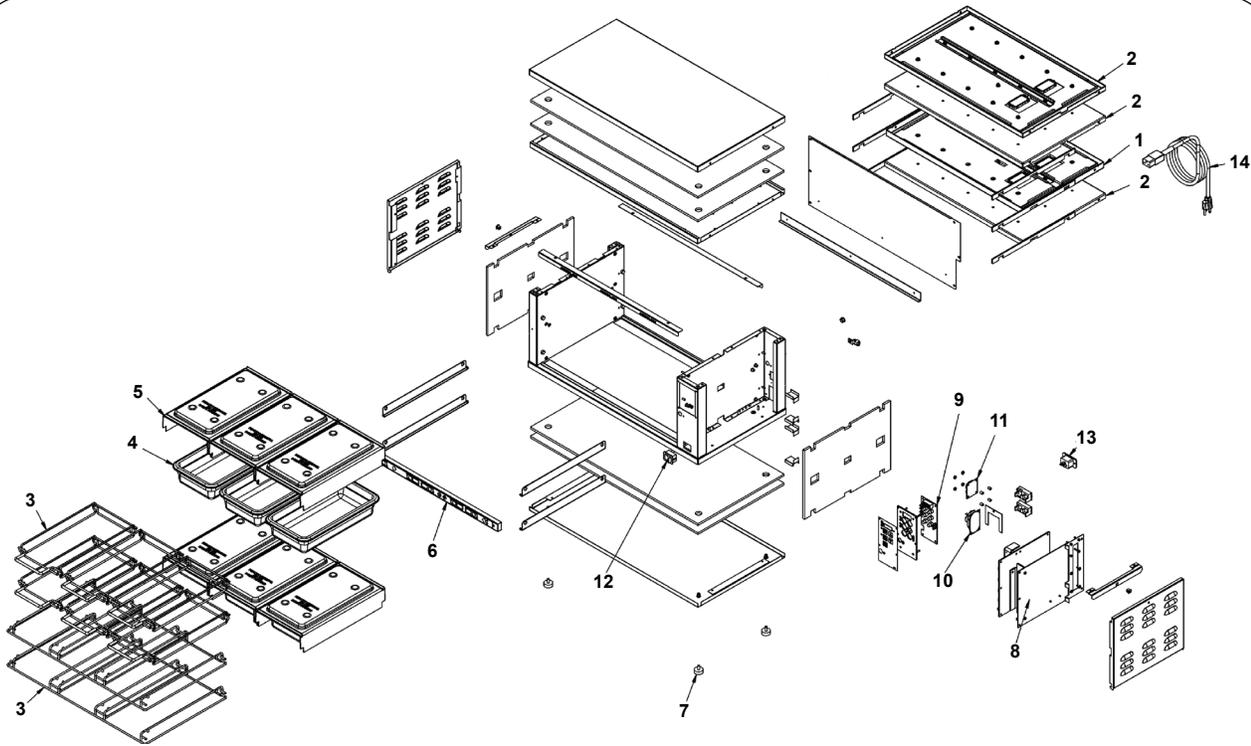
Ref.	Part No.	Description		Ref.	Part No.	Description
1	541-376S	Upper Heater Kit		8	541-735S	Main PCB Kit
2	541-375S	Lower Heater Kit		9	541-719S	Display PCB Kit
3	541-636S	Rack Kit		10	88-709-2-11S	Speaker Kit
4	155695N-4	Pan (Pkg of 4)		11	541-959S	PCB Audio Interface Kit
5	541-723E4S	Cover (Pkg of 4)		12	78-184S	Power Switch
6	541-995S	Timer Bar Kit		13	88-609S	Power Inlet Connector
7	197-232S	Mounting Foot (Pkg of 4)		14	72-200-15S	Power Cord

Note: DHB2PT-33B has 4 pans.

Wiring Diagram

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