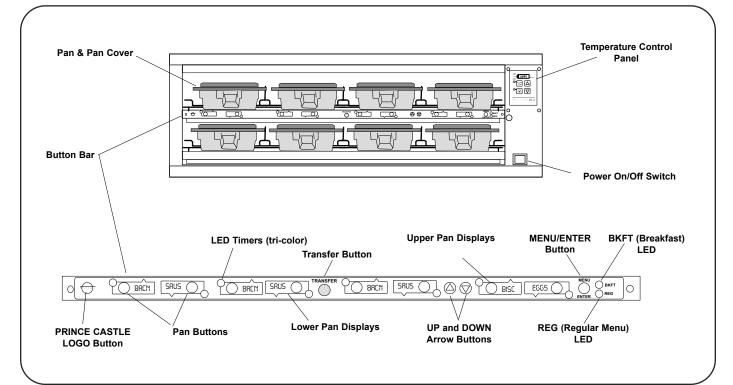
# Operation Manual

## **Product Holding Bin** DHB2PT-33DQ Series

### **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 floor
- 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 an act of equipment damaged in the the version of a covered to the second seco
- 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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#### **Safety Information**

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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.

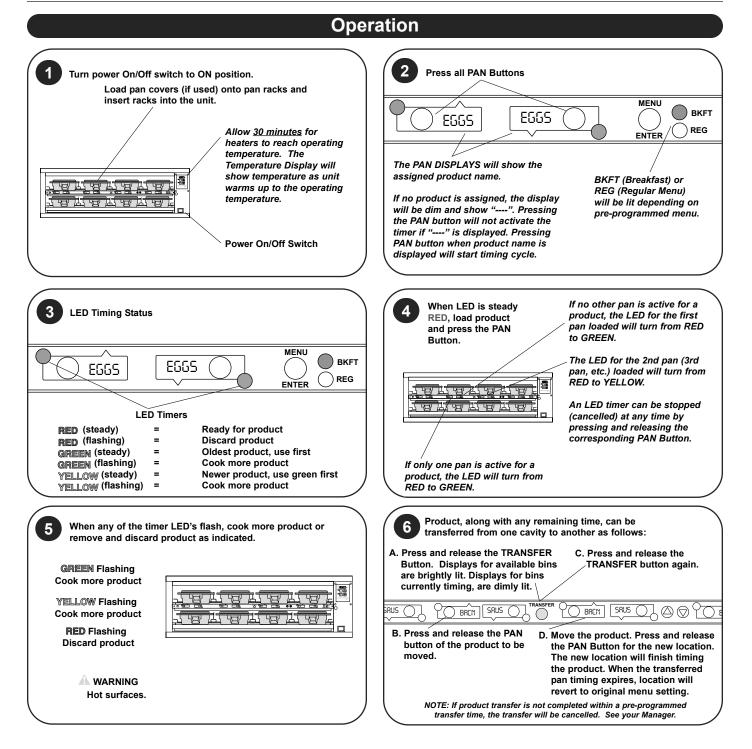
#### **Electrical Information**

Model	Volts	Hz	Watts	Amps	Plug Number	Agency Approval
DHB2PT-33DQ	208-240	60	2600 Max	10.8 Max	NEMA L6-15P	UL / cUL / UL Sanitation

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.



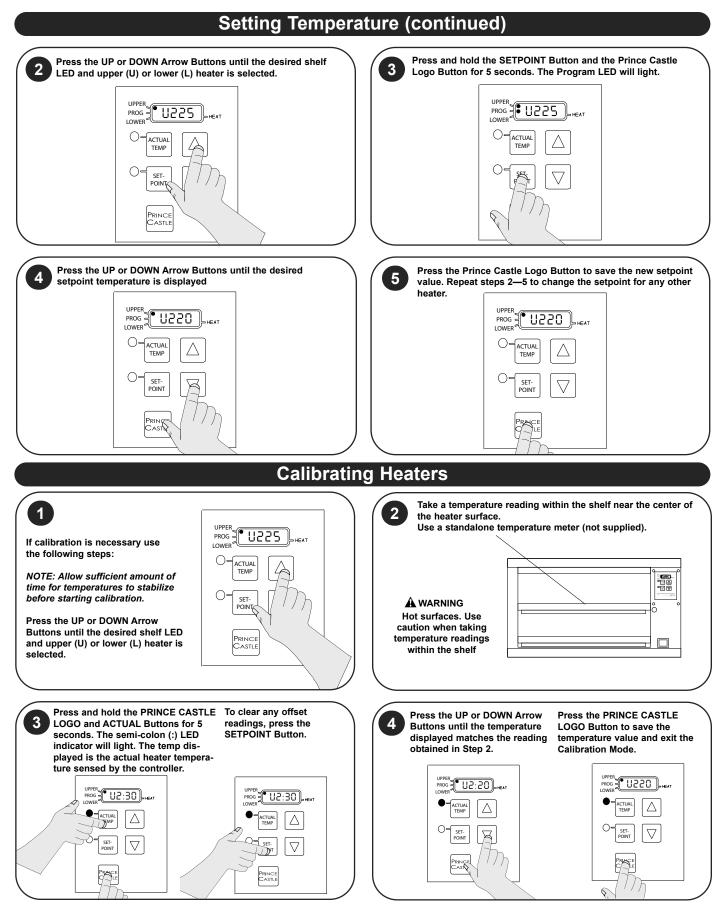






Proce and hold the Prince Coetle Lane Butter for Co			
Press and hold the Prince Castle Logo Button for 6 s Displays will show "PROG". All LED Timers will be re		ess the UP or DOWN Button to E. roll to the desired menu item.	Press the MENU/ENTER butto to select the menu item.
	PROG		
Press and hold the MENU/ENTER Button. The display MENU/ENTER Button will display the menu choices.	y next to the While holding the	Repeat steps A - E as required for of the Prince Castle Logo Button to e OTE: Up to six products may be pro	kit the program mode.
MENU/ENTER button, press the UP or DOWN Button menu choices.		utton (1 for each menu). In addition, sed" by assigning "" as its produ	
Press a PAN Button to change the menu. The LED Ti low and the Display will change from "PROG" to the			
To shut down the unit, turn the power On/Off swi	tch to OFF.	Cleani	ng
		AWARNIN	G
		efore performing any maintenance, t position and unplug the power cord	
h		CAUTIO This unit is not watertight. Do not c	ean with a water jet/jet spray
		Do not immerse the 1. Turn the unit off and unplug the	
		receptacle.	
		<ol> <li>Remove the pan covers and pan with a damp cloth. <u>DO NOT</u> use a ice or water.</li> </ol>	
	Setting Temp	erature	
The unit has four shelves, each with an upper an The factory pre-set for the upper heaters is 195°F The factory pre-set for the lower heaters is 185°F Each upper heater has a programmable range of Each lower heater has a programmable range of Use the control below and the following steps to <u>UPPER SHELF LED</u> This LED will be lit to indicate	d lower heater (eight heate 150° - 275°F. 150° - 225°F.	rs total). DISPLAY ARE HEA AND DO N FOOD TEMPE NOTE: The unit is pu	
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#### Selecting Breakfast and Regular Menus There are six menus available: When the desired menu is displayed, release the 2 1 BKFT LED ON = Menu1 or Menu6 MENU/ENTER button. The food products for the menu will be REG LED ON = Regular2, Regular3, Regular4, or Regular5 displayed in the upper and lower PAN displays. Press and hold the MENU/ENTER button, then use the UP or DOWN Arrow button to scroll through the 6 menus. When timers for a different menu are still active, those BKFT or REG LED's will flash until they are all cancelled. When scrolling, menu numbers appears in this display. MENU MENU 🔵 вкгт 🔵 вкгт MNU1 MNH1 $(\nabla$ $(\bigtriangledown)$ ↑↓ 1 ↓ ENTER ENTER **Programming the Menus** Press and hold the MENU/ENTER button, the display next to Press and hold the PRINCE CASTLE LOGO button 2 the MENU/ENTER button will show the menu choices. Use 1 (on the button bar) until all the displays show PROS the UP or DOWN Arrow button to scroll through the 6 menus. and the PAN buttons LED's all glow red. Release the MENU/ENTER button when the desired menu is displayed. MENU ( ) в MNU1 1 ↓ ( ) RE ENTER PROG PROG С When the MENU/ENTER button is released, all displays will again show PROG. MENU 🔵 в PROG PROG () R A. Press the PAN button next to the display to be changed. A. Repeat Steps 2 & 3 as required. 4 3 The LED will change from red to yellow and the display will B. Press the PRINCE CASTLE LOGO button to exit the change from PR05 to the assigned menu item. Programming Mode and return to the Run Mode. MENU 🔵 вкгт PROG UBUN NOTE: Up to six items (one for each menu) may be programmed $(\bigtriangledown)$ REG ENTER for each tray button. A tray may be set as "not used" by assigning "----" as its product. B. Press the UP or DOWN Arrow buttons to scroll to the desired menu item. Press the MENU/ENTER button to save the selection. All displays C. will show PROG. $\wedge$ MENU PROG 0 ) BKF PROG SBUN ENTER



Changing the Hold	& Cook-More Times
<ul> <li>A. The SET PRODUCT TIME menu is used to change the Hold &amp; C</li> <li>B. Press and hold the PRINCE CASTLE LOGO button, then immed of three programming menus.</li> <li>C. Use the UP or DOWN Arrow button to scroll to the SET PROD TIME</li> </ul>	diately press and hold the MENU/ENTER button until the display shows one
<ul> <li>A. Press and release the MENU/ENTER button to enter the Set Product Time menu. The display will show, for example, SET EGGS TIME If U ENTR.</li> <li>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.</li> </ul> Product TRANSFER	<ul> <li>A. The display now shows the current hold time.</li> <li>I HOLD TRANSFER EGGS 2:00 In the entry of the en</li></ul>
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. Cook-More Time     COOK TRANSFER C EGGS OF OF OF UP ENTROPORT COOK-MORE TIME IS DISPLAYED, PRESS THE MENU/ENTER Button to save it.	<ul> <li>A. The display will show SET PROD TIME ît U ENTR. Repeat Steps 2 – 4 for any other product.</li> <li>B. Press and release the PRINCE CASTLE LOGO button at any time to exit the Programming Mode and return to the Run Mode.</li> <li>NOTE: If the MENU/ENTER button has not been pressed to save any changes, the program will revert to the original values.</li> </ul>



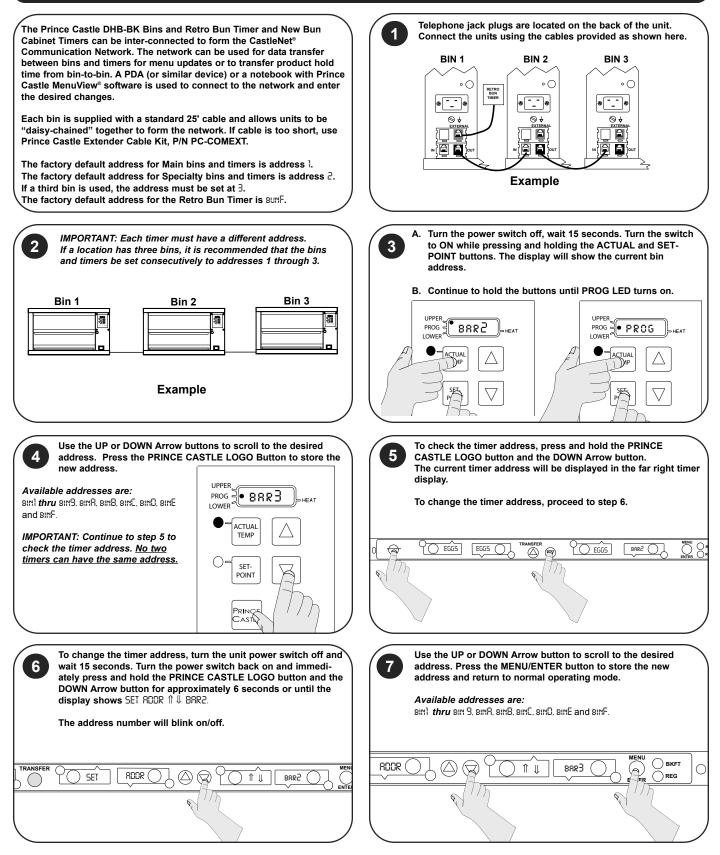
Changing Product Names			
A. The EDIT PRODUCT NAME menu is used to change a default pr	roduct name to one of your own choosing.		
<ul> <li>B. Press and hold the PRINCE CASTLE LOGO button, then immed of four programming menus.</li> </ul>	liately press and hold the MENU/ENTER button until the display shows one		
C. Use the UP or DOWN Arrow button to scroll to the EDIT PROD NR	ne î↓ entr Menu.		
NOTE: The default names available for editing are listed on page 8.			
PRINCE CASTLE LOGO Button	MENU/ENTER Button		
<ul> <li>A. Press and release the MENU/ENTER button to enter the Edit Product Name menu. The display will read SEL PRCD XXXX ↑ ↓.</li> <li>B. Use the UP or DOWN Arrow button to scroll through the list of products.</li> <li>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.</li> </ul>	<ul> <li>A. To change the blinking E, use the UP or DOWN Arrow button to scroll to the desired letter/number/symbol.</li> <li>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.</li> <li>C. Repeat for all digits.</li> </ul>		
	NOTE: Holding the UP or DOWN Arrow Buttons for longer than 2 seconds will cause the selected digit to automatically scroll up or down.		
When all four digits have been changed, press the MENU/ENTER button to save the new name.	5 A. The display will show EOIT PROD NR∩E ↑↓. Repeat Steps 2–4 for any other product.		
	B. Press and release the PRINCE CASTLE LOGO button at any time to exit the Programming 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.		



Set Maximum	Transfer Time
	mount of time allowed to make a product transfer from one pan to another. diately press and hold the MENU/ENTER Button until the display shows one $\hat{T} \downarrow ENIR$ (Set Maximum Transfer Time) Menu.
<ul> <li>A. Press and release the MENU/ENTER Button to enter the Set Maximum Transfer Time menu.</li> <li>B. The display shows ∩RX XFR :20 ît U ENTR. This shows a value of 20 seconds.</li> </ul>	<ul> <li>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.</li> <li>B. Press and release the PRINCE CASTLE LOGO Button at any time to exit the Programming Mode and return to the Run Mode.</li> <li>NOTE: If the MENU/ENTER Button has not been pressed to save any changes, the program will revert to the original time.</li> </ul>
TRANSFER XFR .20	TRANSFER XFR .25



#### **CastleNet® Communications Network**





### **Factory Presets**

### **Product Menu Detail**

Product	Display Name	Hold Minutes <sup>1</sup>	Cook-More Minutes <sup>1</sup>
Hamburger	BGR1	30	3
Hamburger	BGR2	30	3
Hot Dog 10:1	DOG1	30	3 3
Hot Dog Foot Long	DOG2	30	
Grilled Chicken	GRCK	30	3 3
Breaded Chicken	BRCK	30	3
Chicken Strip	STRP	30	3
Gravy	GRVY	30	3 3
Chili Hot Dog Sauce	CHLI	30	3
Bacon	BACN	30	3
Special #1	SPC1 <sup>2</sup>	30	
Special #2	SPC2 <sup>2</sup>	30	3 3
Special #3	SPC3 <sup>2</sup>	30	3
Special #4	SPC4 <sup>2</sup>	30	
Special #5	SPC5 <sup>2</sup>	30	3 3
Special #6	SPC6 <sup>2</sup>	30	3
Special #7	SPC7 <sup>2</sup>	30	
Special #8	SPC8 <sup>2</sup>	30	3 3 3
Special #9	SPC9 <sup>2</sup>	30	3
Special #A	SPCA <sup>2</sup>	30	3
Special #B	SPCB <sup>2</sup>	30	3 3 3
Special #C	$SPCC^2$	30	3
Special #D	$SPCD^2$	30	3
Special #E	SPCE <sup>2</sup>	30	3 3 3
Special #F	$SPCF^2$	30	3

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

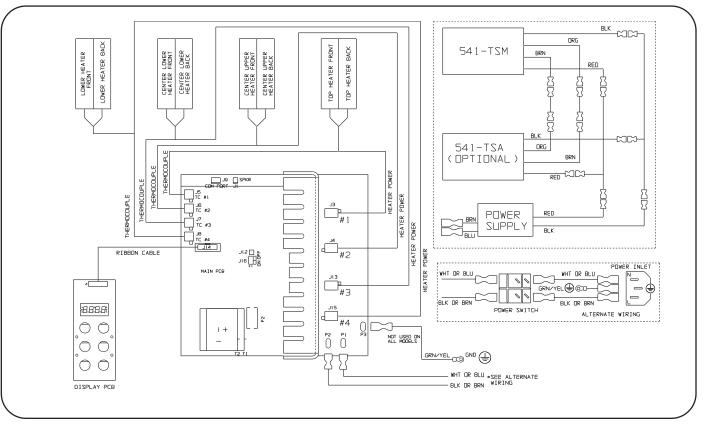
2. Product abbreviations EXP1 through EXPF may be reprogrammed. See page 8.



## Troubleshooting

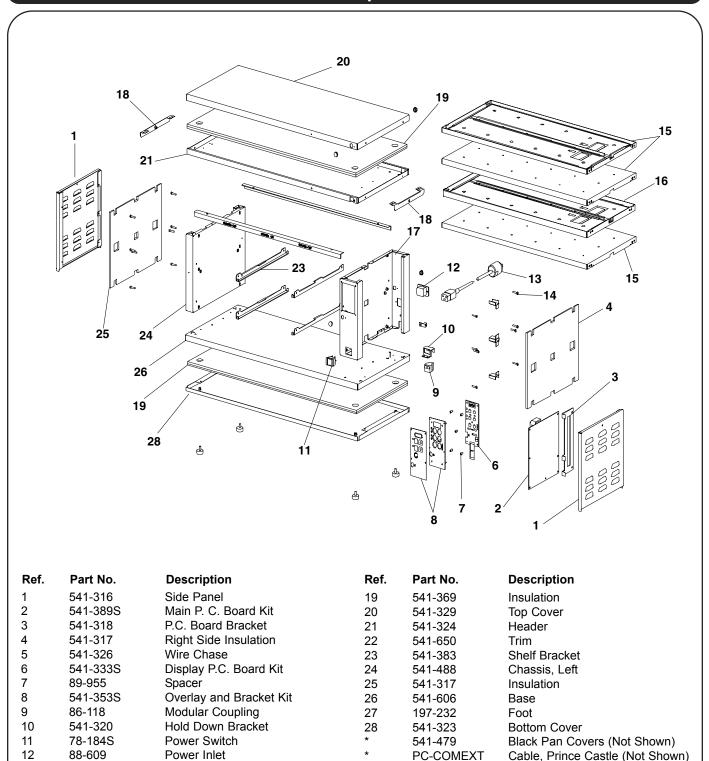
PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Display flashes Opn & REL.	Open relay. Circuit inoperable.	Replace power circuit board.
Display flashes SHR & REL.	Shorted relay. Circuit inoperable.	Replace power circuit board.
	Open heater.	Test heater resistance (150.2 Ohms). Replace heater if necessary.
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







#### Parts List & Exploded View



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14

15

16

17

18

72-200-25S

76-724

541-359S

541-376S

541-489

541-129

Power Cord Kit

Chassis, Right

Side Cover Bracket

Screw, Socket, 8-32 x 3/4

Lower Heater Assy (230 Volt)

Upper Heater Assy (230 Volt)

TBD

TBD

TBD

940-0504

279-423

Cable, K-Mart (Not Shown)

Cable, Target (Not Shown)

Cable, Wal-Mart (Not Shown)

Cable, Radio Shack (Not Shown)



NOTES	