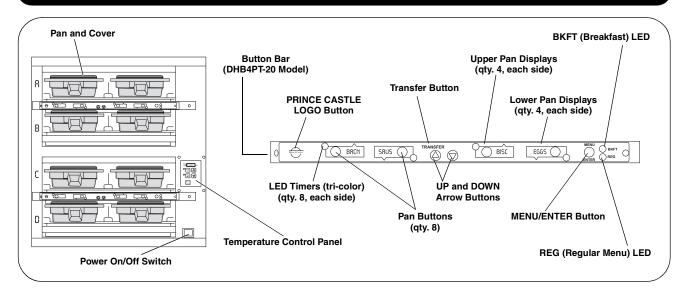
Product Identification



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), not to exceed 18 months from date of shipment from our factory. 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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355 East Kehoe Blvd. • Carol Stream, IL 60188 USA Telephone: 630-462-8800 • Toll Free: 1-800-PCASTLE Fax: 630-462-1460 • www.princecastle.com

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Safety Information



NG CAUTION

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

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

Installation

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

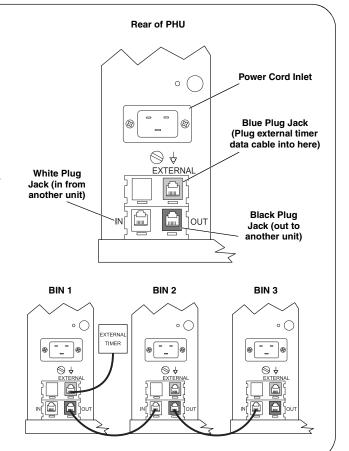
NOTE: When installing this unit, the ambient temperature at the mounting site should not exceed 100°F.

- 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.

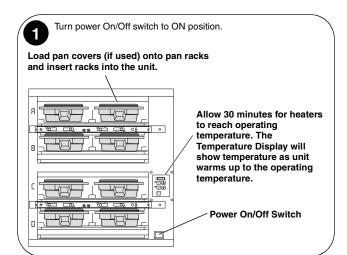
NOTE: If the unit is to be networked with other Prince Castle units, an external timer may be connected to any one bin in the chain. Refer to CASTLENET COMMUNICATIONS NETWORK in this manual.

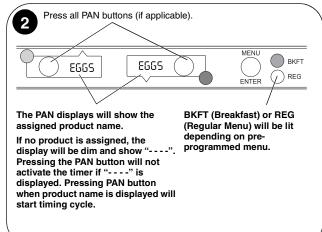


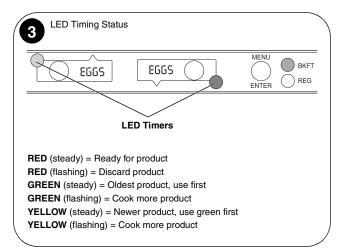
Prince Castle reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.

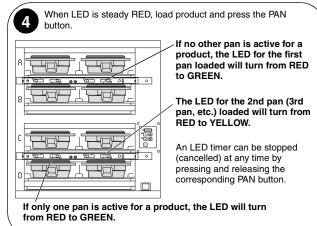


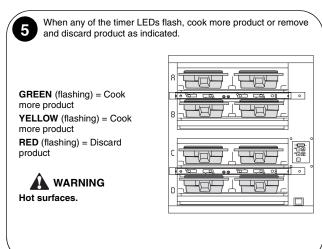
Operation

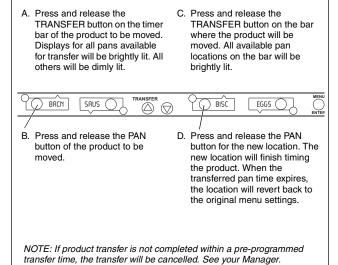












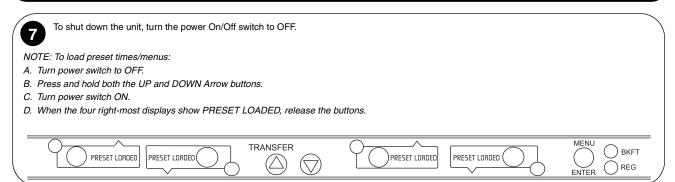
Product, along with any remaining time, can be transferred from

one cavity to another as follows:

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Operation (continued)



Cleaning



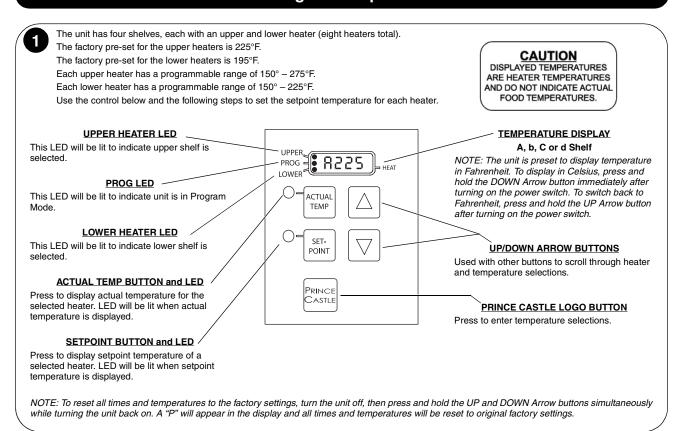
Before performing any maintenance, turn the power switch to the OFF position and unplug the power cord from the electrical receptacle.

A CAUTION

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

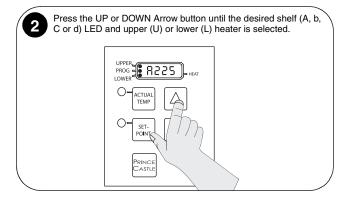
- Turn the unit off and unplug the power cord from the electrical receptacle.
- Remove the pan covers and pan racks. Wipe all parts and unit with a damp cloth. DO NOT use a green Scotch Bright pad cleaner, ice or water.

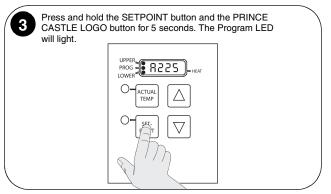
Setting the Temperature

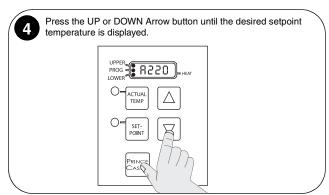


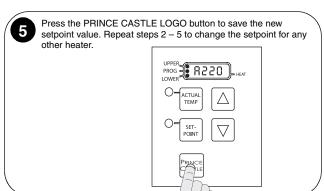


Setting the Temperature (continued)









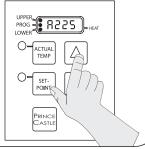
Calibrating Heaters

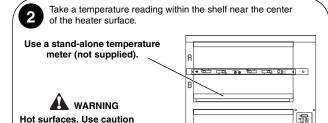
Use the following steps to calibrate the individual heaters.

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

Press the LIP or DOWN Arrow

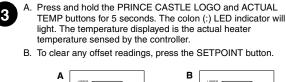
Press the UP or DOWN Arrow button until the desired heater LED and upper (U) or lower (L) shelf is selected.

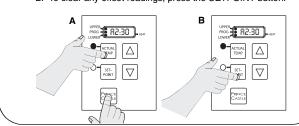


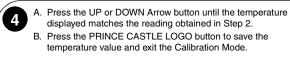


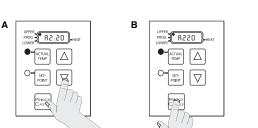
when taking temperature readings within the shelf.

E CASTLE LOGO and ACTUAL



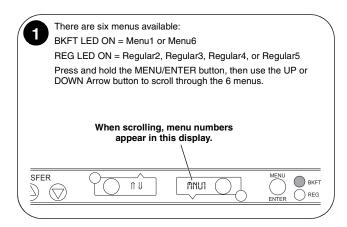


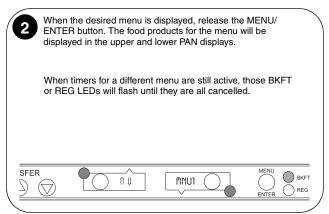




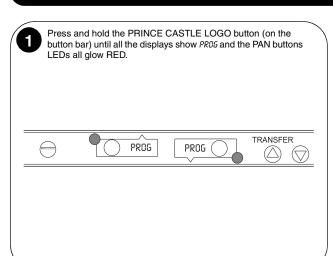


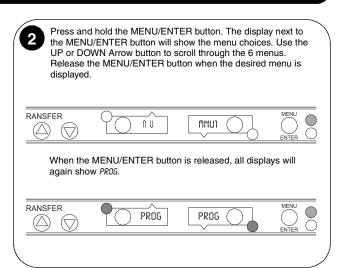
Selecting Breakfast and Regular Menus

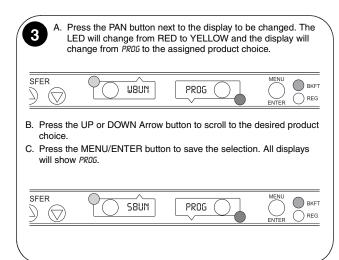


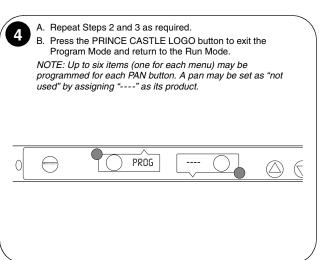


Programming the Menus





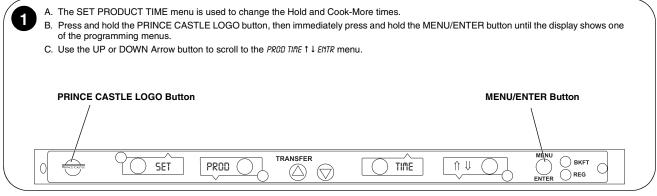


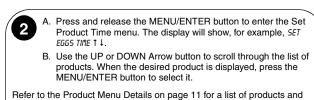


NOTE: Timer Bar Factory Presets: 1) Turn BIN off. 2) Press and hold UP and DOWN arrows on the Timer Bar while reapplying power. 3) Repeat for each Timer Bar.



Changing the Hold and Cook-More Times

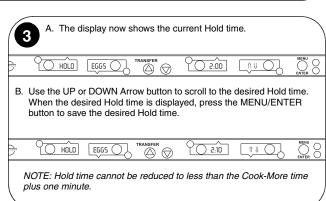


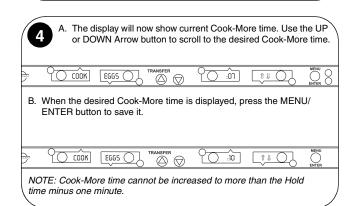


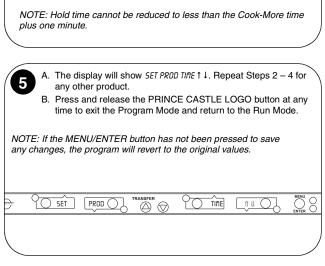
their corresponding display names.



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

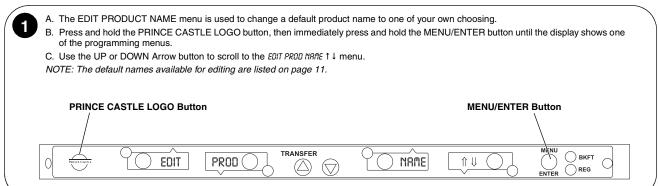


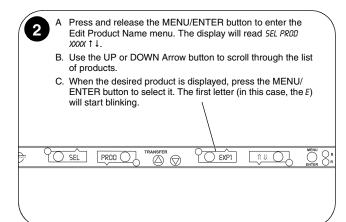


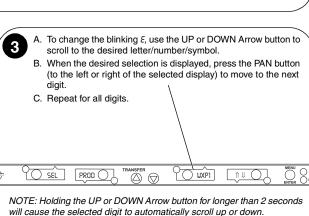


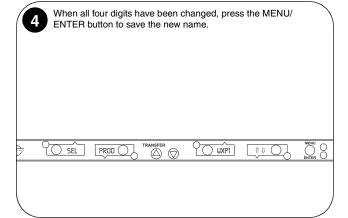


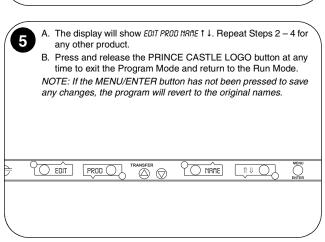
Changing Product Names





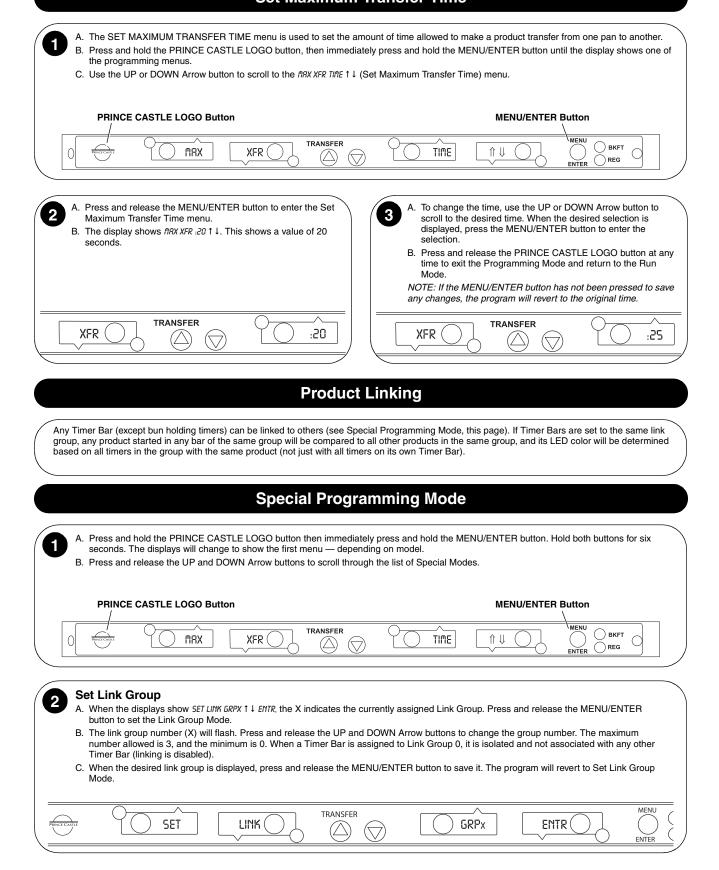








Set Maximum Transfer Time



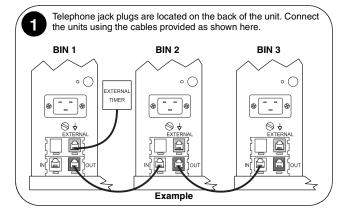


CastleNet® Communications Network

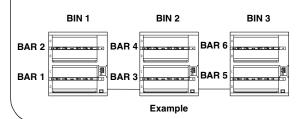
The Prince Castle DHB Bins, external timers, and New Bun Cabinet Timers can be inter-connected to form the CastleNet® Communication Network. The network can be used for data transfer between bins and timers for menu updates or to transfer product Hold time from bin-to-bin. A PDA (or similar device) or 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 $\it l.$ The factory default address for Specialty bins and timers is address $\it l.$ If a third bin is used, the address must be set at $\it l.$



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



ON while pressing and holding the ACTUAL TEMP and SETPOINT buttons. The display will show the current bin address.

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

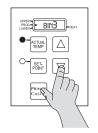
Turn the power switch off, wait 15 seconds. Turn the switch to

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:

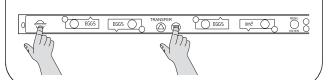
BIN1 thru BIN9, BINA, BINB, BINC, BIND, BINE and BINF.

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



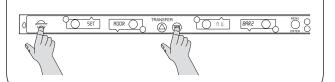
To check the timer address, press and hold the PRINCE CASTLE LOGO button and the DOWN Arrow button. The current timer address will be displayed in the far right timer display.

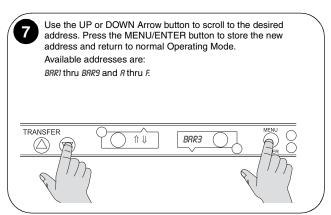
To change the timer address, proceed to Step 6.



To change the timer address, turn the unit power switch off and wait 15 seconds. Turn the power switch back on and immediately press and hold the PRINCE CASTLE LOGO button and the DOWN Arrow button for approximately 6 seconds or until the display shows SET RDDR ↑ 1 BRR2.

The address number will blink on/off.







Factory Presets

	Pro	Product Menu Details			
Product	Display Name	Hold Minutes ¹	Cook-More Minutes		
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 8.

				I	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	WING	WING	WING	POP	ONIN	MUSH	MNU5	Reg
EGGS	EGGS	EGGS	EGGS	HAM	BACN	SAUS	SAUS	MNU6	Bkft

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Product Holding Bin DHB4PT-20 Series



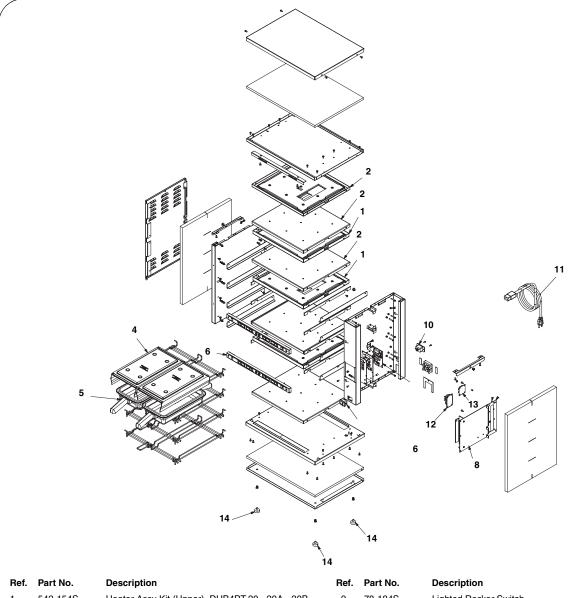
Troubleshooting

PROBLEM	PROBABLE CAUSE	SOLUTION
Display flashes OPH and REL.	Open relay. Circuit inoperable.	Replace power circuit board.
Display flashes 5HR and REL.	Shorted relay. Circuit inoperable. Open heater.	Replace power circuit board. Test heater resistance (150.2 Ohms). Replace heater if necessary.
	Unplugged ribbon cable between power and main circuit boards.	Verify ribbon cable connection.
Display flashes מאח 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.

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Exploded View and Parts List



Ref.	Part No.	Description	Ref.	Part No.	Description
1	542-154S	Heater Assy Kit (Upper), DHB4PT-20, -20A, -20B	9	78-184S	Lighted Rocker Switch
	542-156S	Heater Assy Kit (Upper), DHB4PT-20AU, -20F,	10	88-609S	Power Inlet Connector, DHB4PT-20, -20A, -20B
		-20CE, -20GB		88-720-01S	Power Inlet Connector, DHB4PT-20AU, -20F,
	542-159S	Heater Assy Kit (Upper), DHB4PT-20J			-20CE, -20GB, -20J
2	542-153S	Heater Assy Kit (Lower), DHB4PT-20, -20A, -20B	11	72-200-15S	Power Cord, DHB4PT-20, -20A, -20B
	542-155S	Heater Assy Kit (Lower), DHB4PT-20AU, -20F,		72-367S	Power Cord, DHB4PT-20AU
		-20CE, -20GB		72-237S	Power Cord, DHB4PT-20F, - 20J
	542-158S	Heater Assy Kit (Lower), DHB4PT-20J		72-230S	Power Cord, DHB4PT-20CE
N/S	88-600-200S	Fuse Kit (Pkg of 10) (Fuse on Main PCB)		72-236S	Power Cord, DHB4PT-20GB
4	541-723e4s	Pan Cover Kit (Pkg of 4)	12	541-959S	Audio Interface PCB
5	155695n-12	1/3 Size Dual Handle Pans (Pkg of 12)	13	88-709-2-11S	Speaker Assembly
6	541-821S	Timer Bar	14	197-232S	Mounting Foot (Pkg of 4)
7	541-719S	Display PCB Kit			
8	541-802S	Main PCB Kit, DHB4PT-20, -20A, -20B			
	541-827S	Main PCB Kit, DHB4PT-20AU, -20F, -20CE,			
		-20GB, -20J			
					,



Wiring Diagram

