

Operation Manual

Modular Holding Bin MHB100 Series



ATTENTION: Read the instructions before using the machine.

LIMITED WARRANTY

This product is warranted to be free from defects in material and/or workmanship for a period of Two (2) years from the date of original installation (with the exception of pans, lids, and covers). Any component which proves to be faulty in material and/or workmanship will be replaced or repaired (at the option of Prince Castle, Inc.) without cost to the customer for parts or labor.

This warranty 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.
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PHONE: 630-462-8800
TOLL FREE: 1-800-PCASTLE
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WWW.PRINCECASTLE.COM

Certifications



Intertek
Conforms to ANSI/UL 197
CSA Listed CAN/CSA-C22.2
No.109



Intertek
3183199
Conforms to NSA/ANSI STD 4



Intertek



Model Identification

MHB 100 HM1 – NA

“Modular Holding Bin”

100 Series

Component Name

HM1 : Holding Module (100-120VAC)

HM2 : Holding Module (208-240 VAC)

MB: Main Base

EB: Expansion Base

Country Code

(North America)

Specifications

Model	Voltage (V)	Watts (W)	Hertz (Hz)
MHB100HM1	100-120 VAC	180 (Each Unit)	50/60
MHB100HM2	208-240 VAC	180 (Each Unit)	50/60
MHB100MB-NA	120 VAC	1440 (MAX)	50/60
MHB100MB-CE	208-240 VAC	1440 (MAX)	50/60
MHB100EB	100-120 VAC	N/A	50/60
MHB100EB-U	208-240 VAC	N/A	50/60

Important



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.

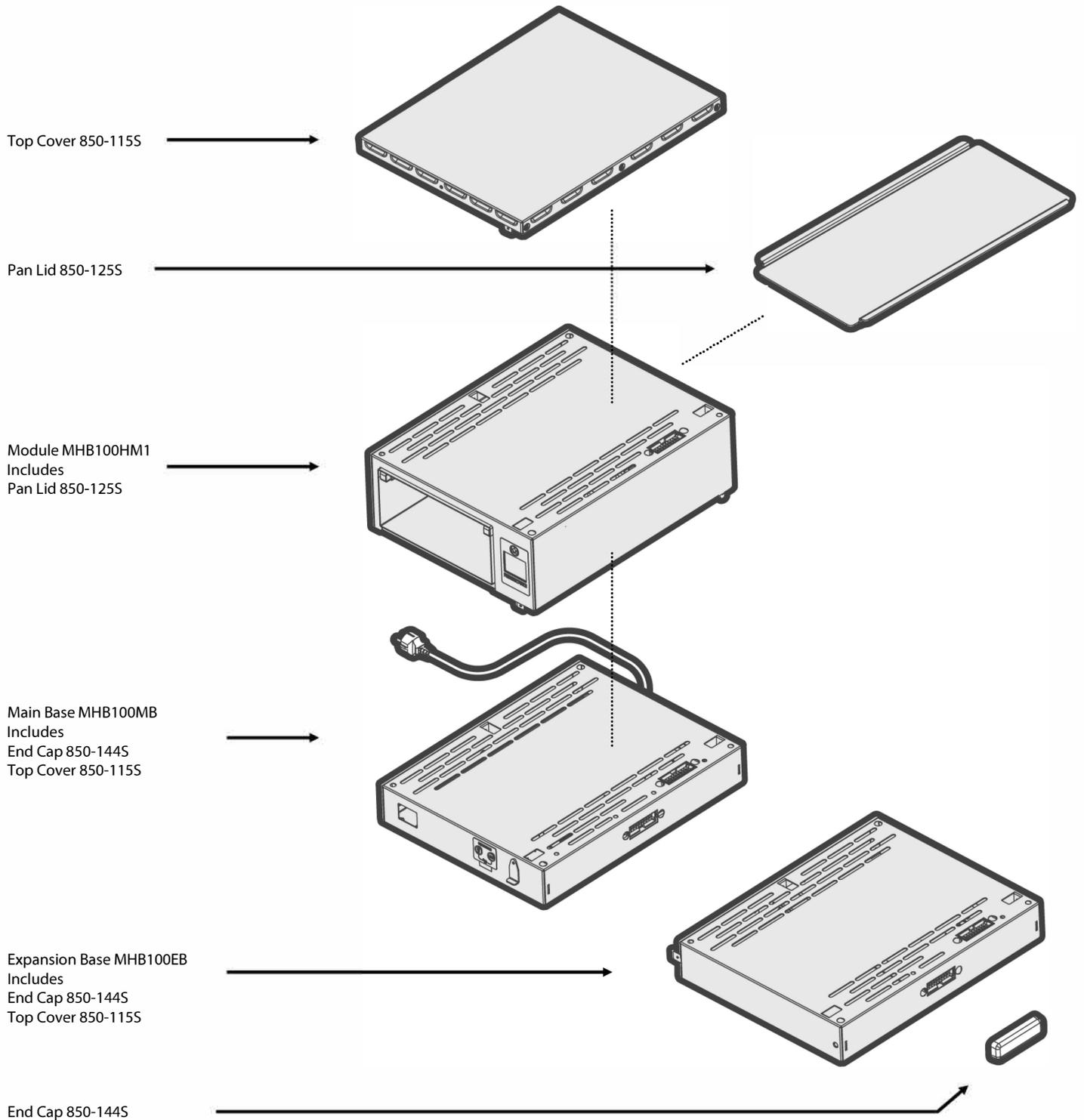


CAUTION

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

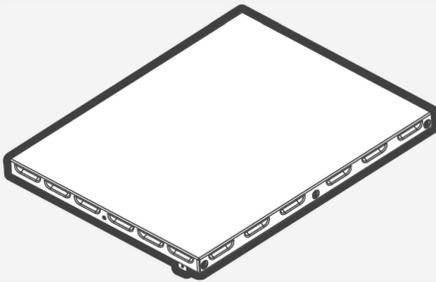
Prince Castle reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.

Configuration

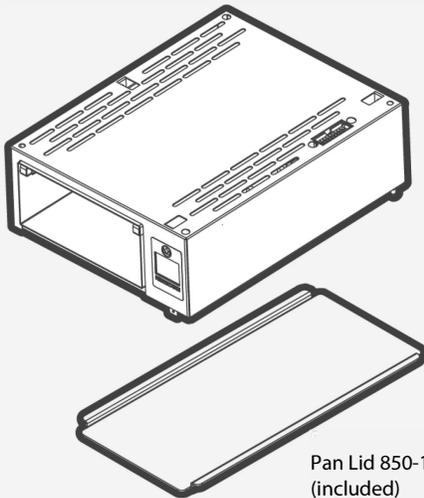


Parts Ordering

Top Cover 850-115S



Module MHB100HM1

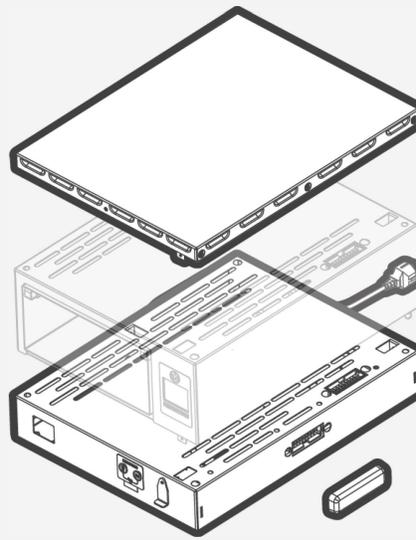


Pan Lid 850-125S
(included)

End Cap 850-144S



Main Base MHB100MB

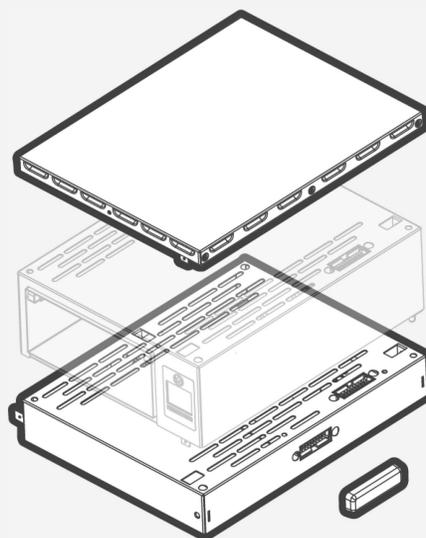


Top Cover 850-115S
(included)

Module MHB100HM1
(Not Included)

End Cap 850-144S
(included)

Main Base MHB100MB

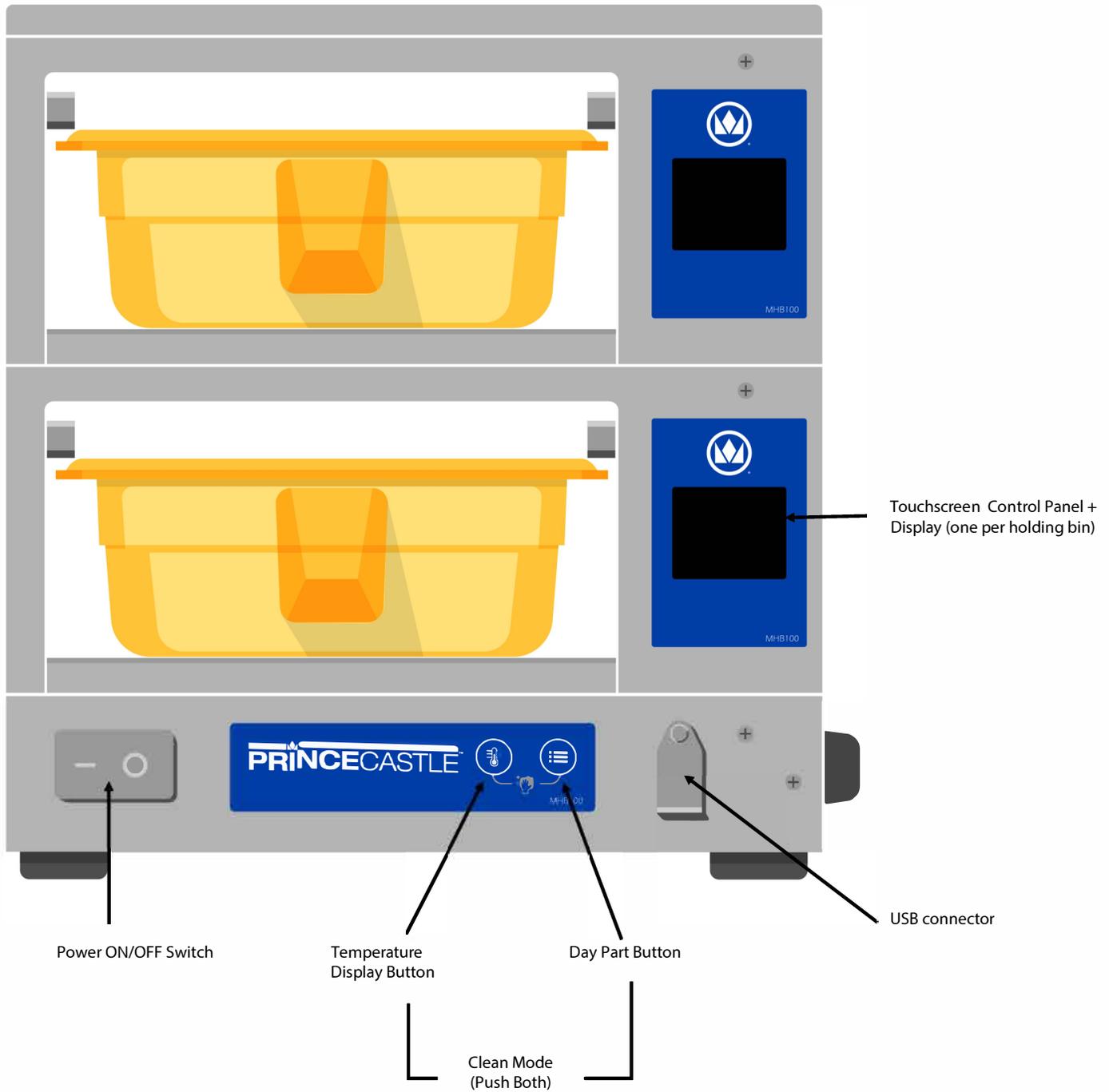


Top Cover 850-115S
(included)

Module MHB100HM1
(Not Included)

End Cap 850-144S
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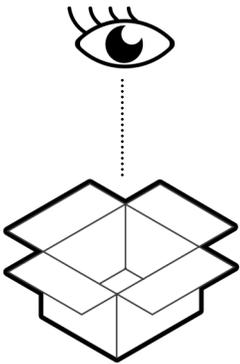
Product Identification



Installation : Before Assembly

1

Remove the unit from the carton and inspect for signs of damage.

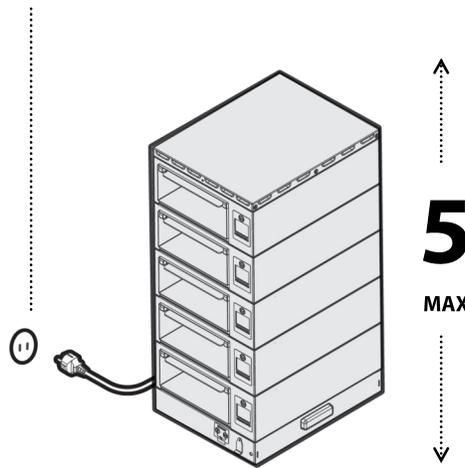


If unit is damaged:

- 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.

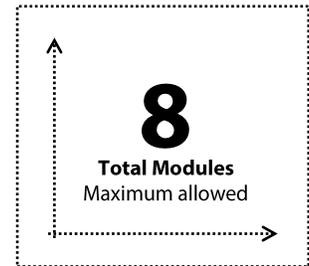
2

Always unplug units before assembly or disassembly



3

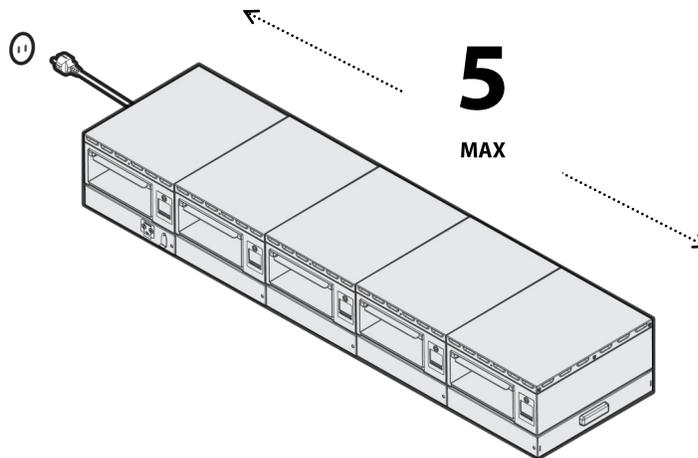
Always assemble columns first, then assemble rows



Assemble columns from right to left

Do not put assemble more than 5 columns of modules horizontally or vertically

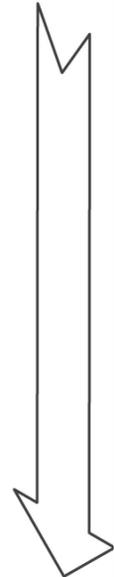
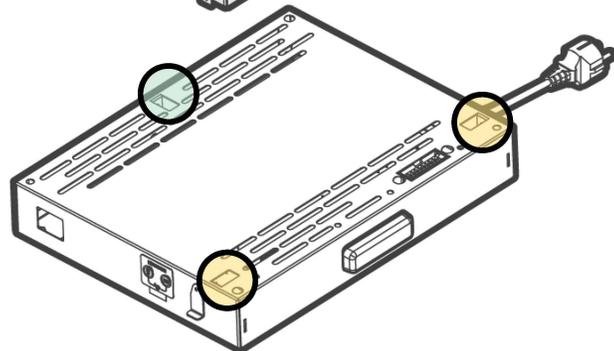
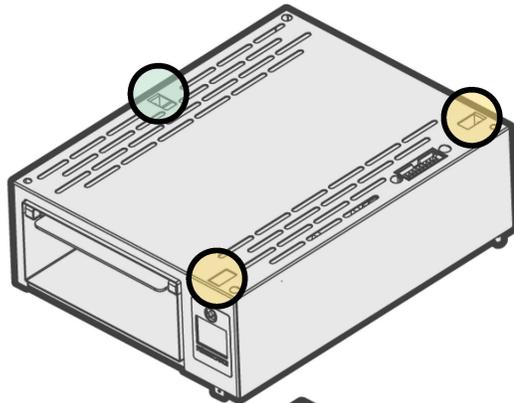
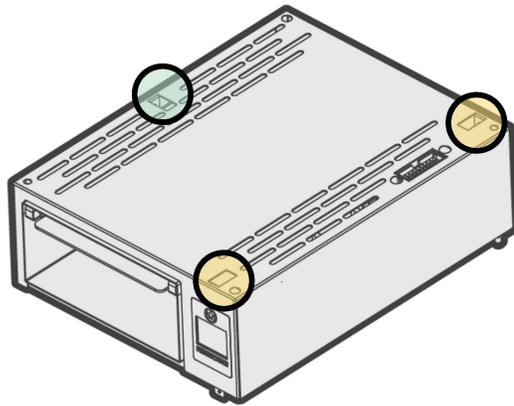
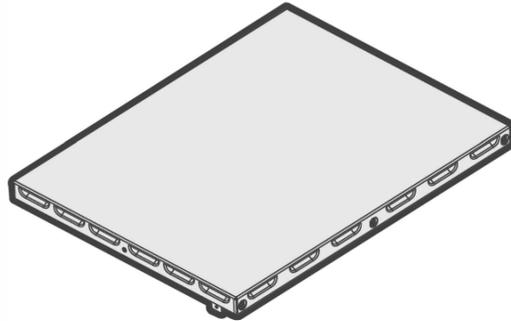
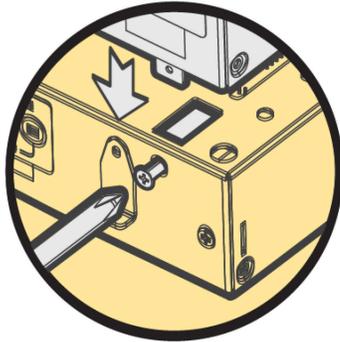
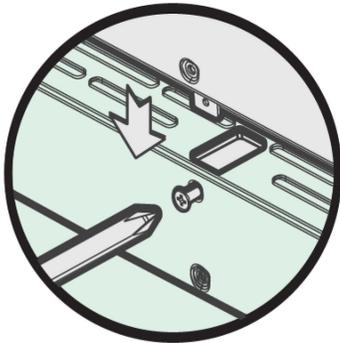
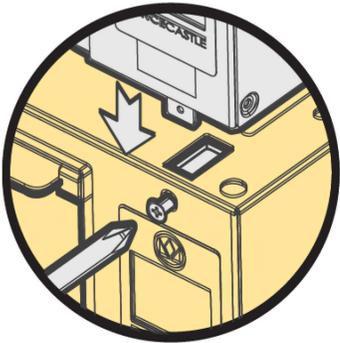
Do not assemble more than 8 total modules in one installation



Installation : Adding Modules Vertically

1

Secure parts using installed screws



Installation : Adding Modules Horizontally

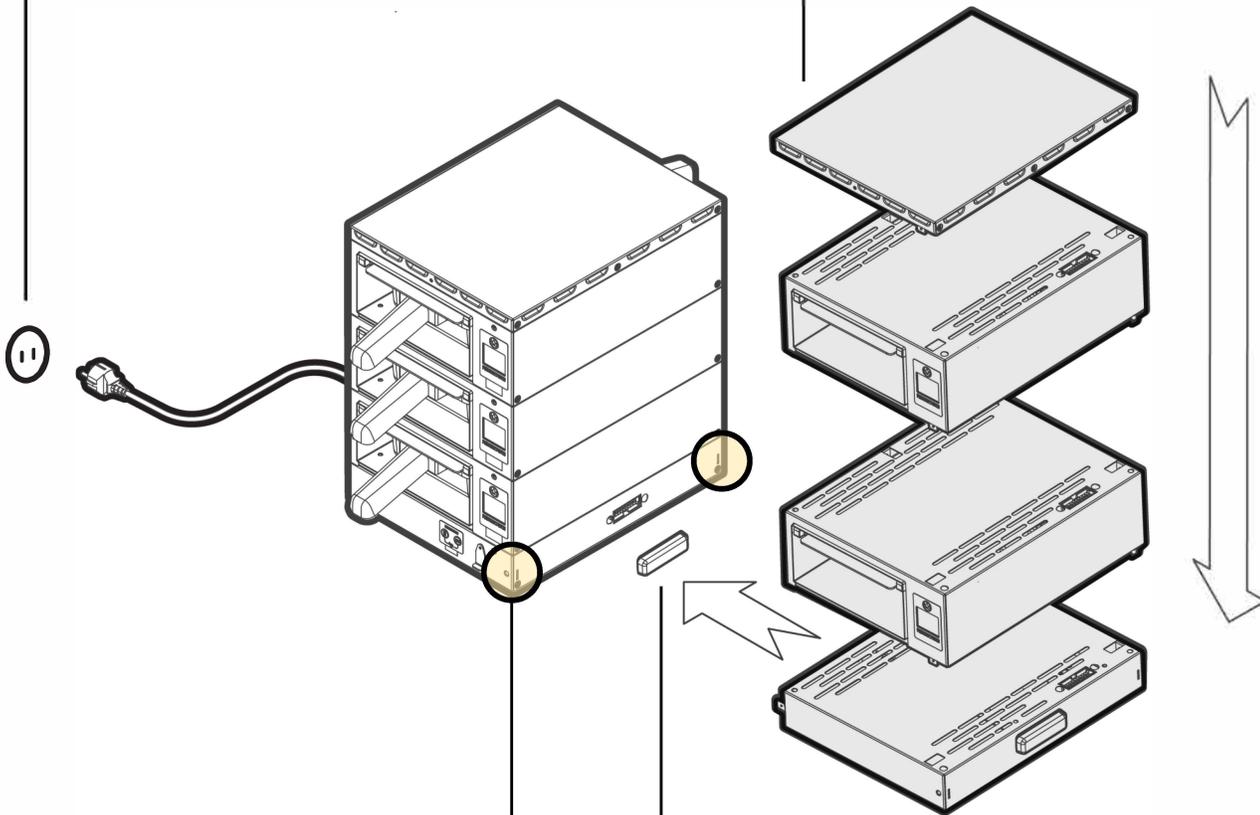
1

Unplug main base before installing or removing any modules

2

Assemble column of modules vertically

NOTE: Install columns from RIGHT to LEFT



3

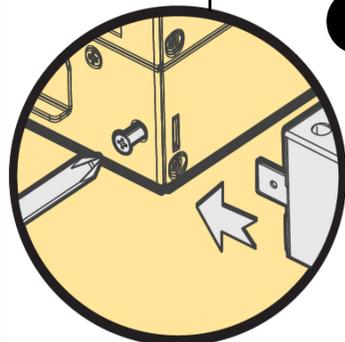
Remove rubber screw cover from module

4

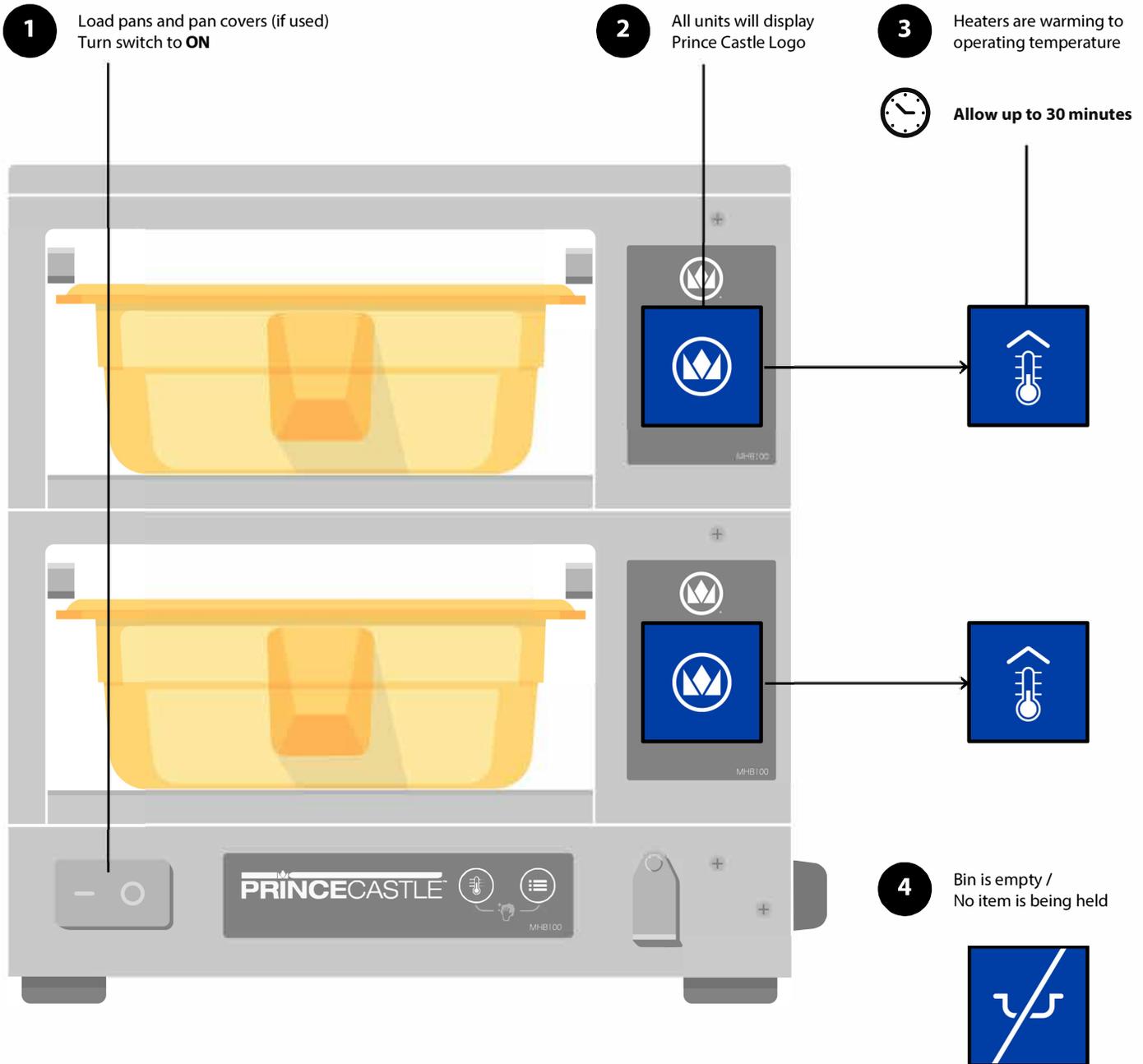
Remove end cap from module

5

Secure parts using installed screws

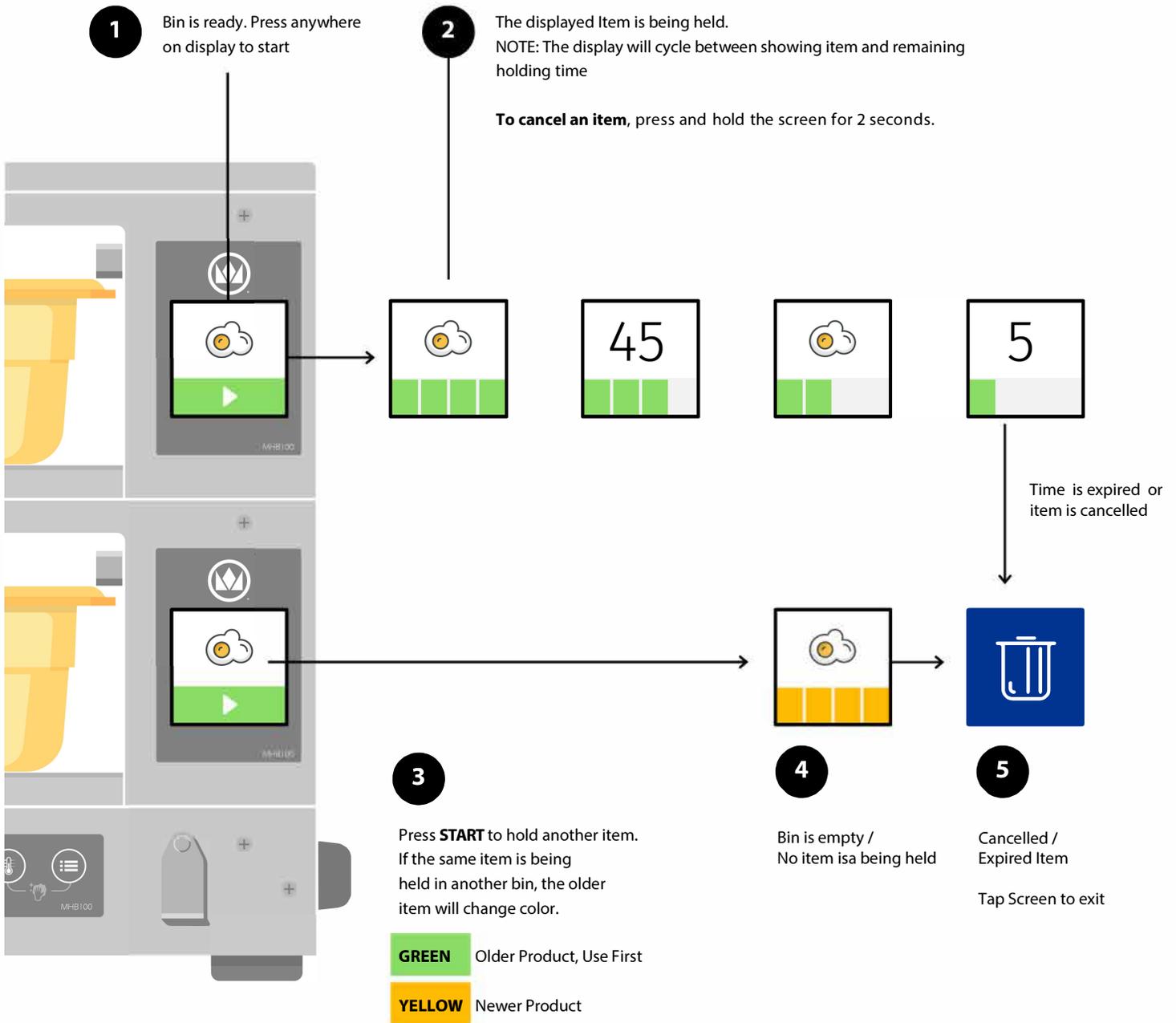


Operation : Power Up



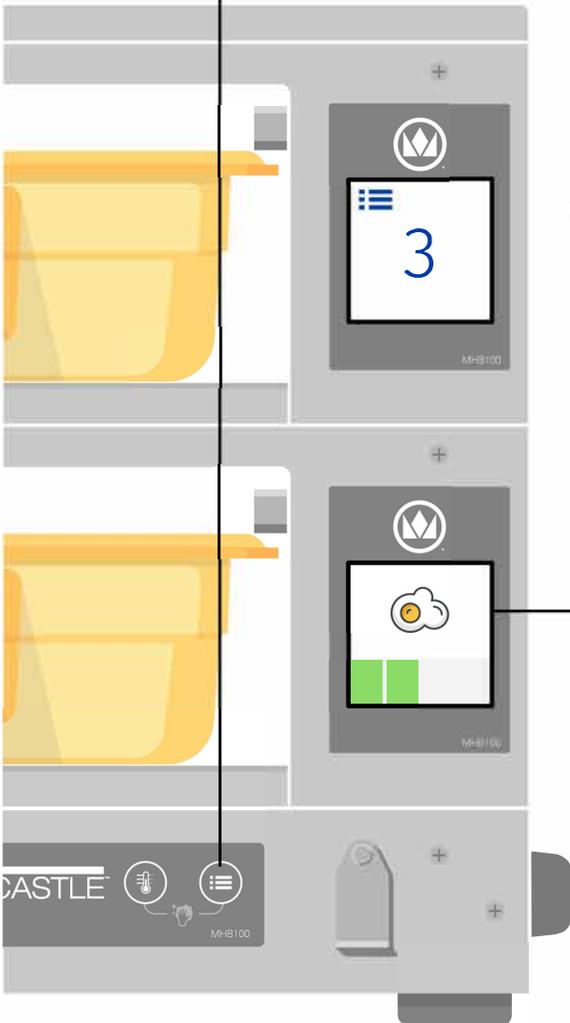
 **WARNING**
 Hot Surfaces

Operation: Holding and Cancelling Items



Operation : Change Day Part

1 Press **DAYPART** button



2

The daypart value will update for all machines that are not actively holding items.

Continue pressing the **DAYPART** button to toggle through day parts

Stop on desired daypart for 2 seconds to select and set day-

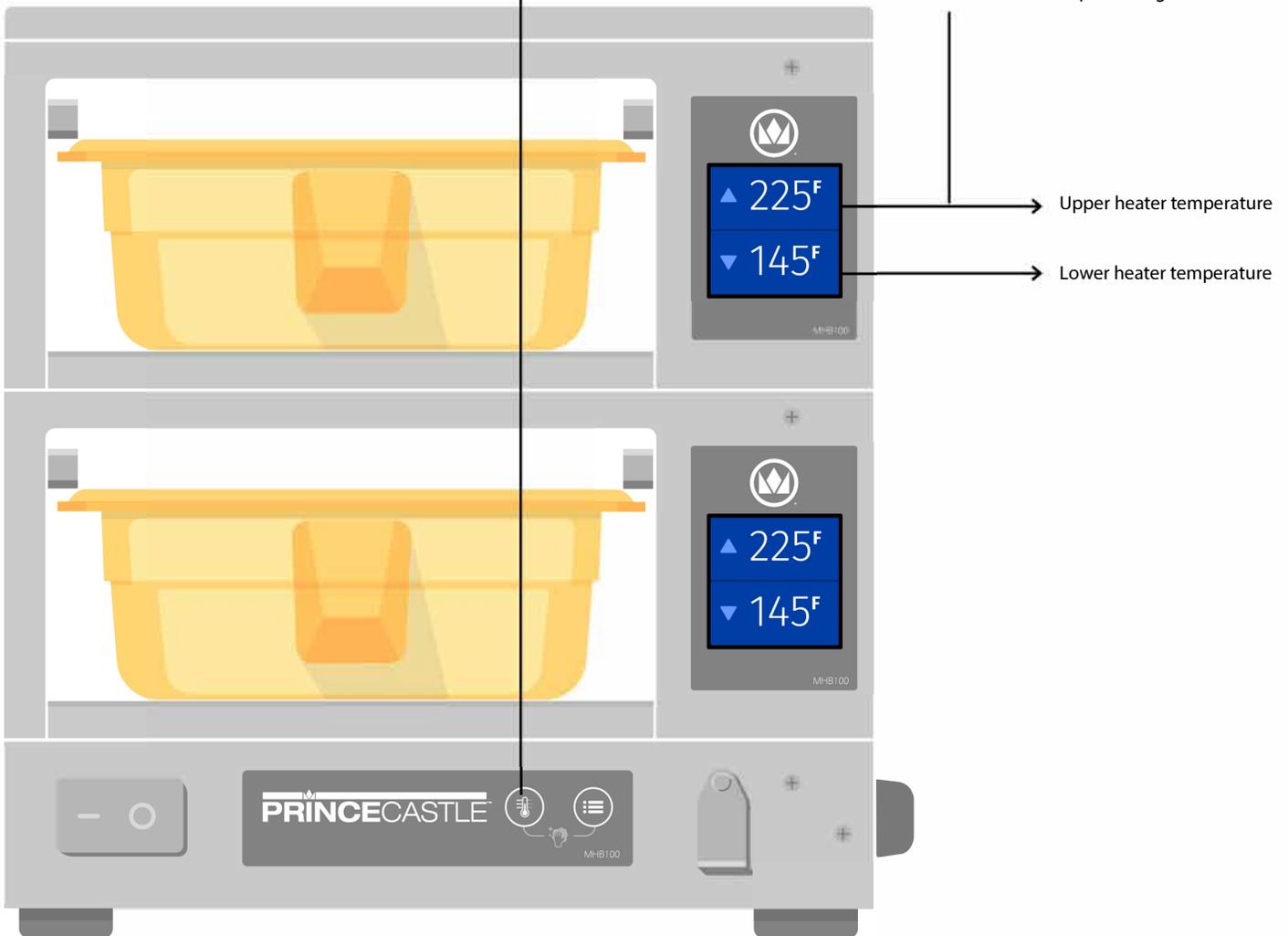
Note: Daypart switch will only display on bins that are not running a timer

Operation: Display Temperature

1 Press **TEMP** button to display temperature. Press again to exit.

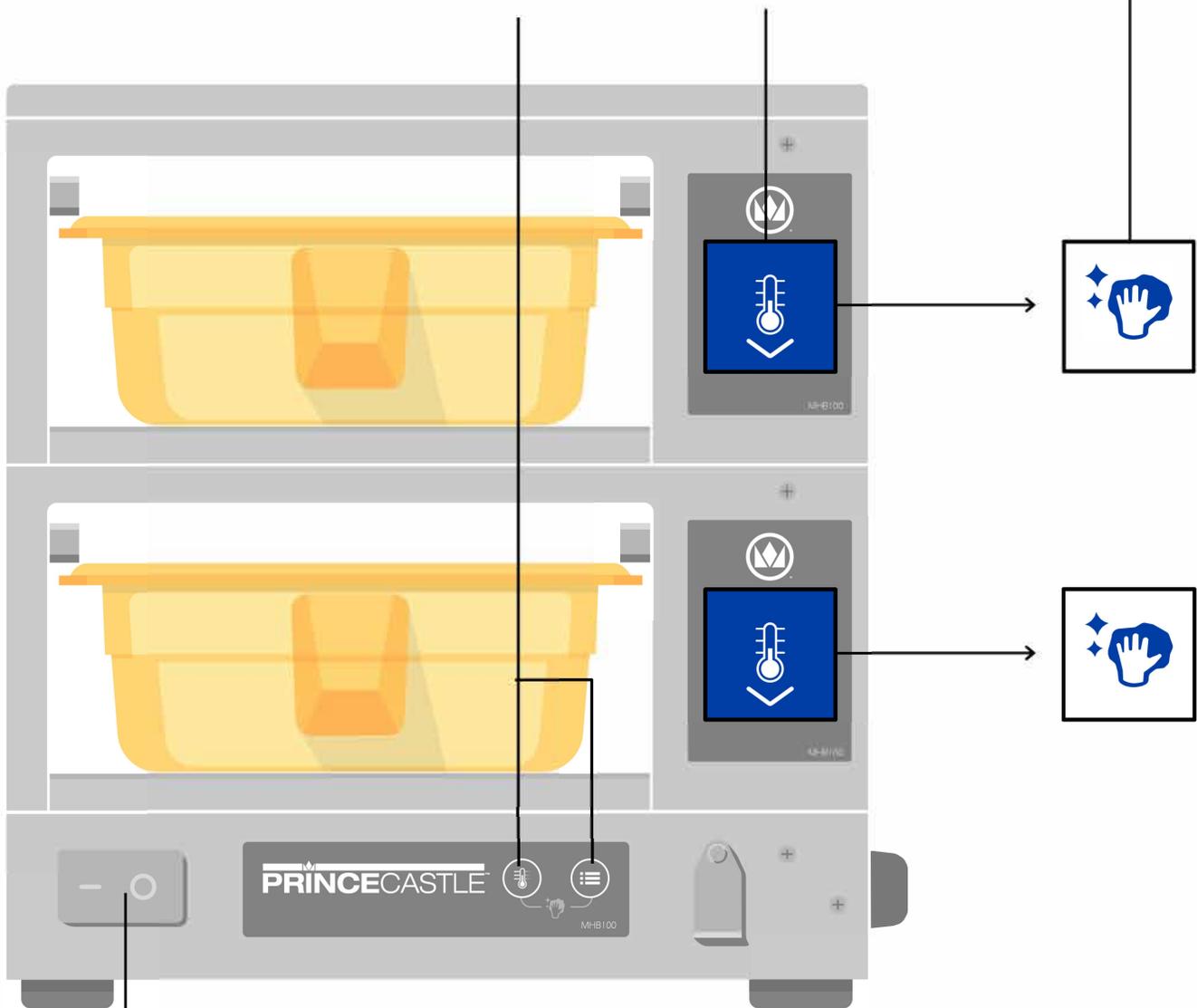
2 Temperature will be displayed on all units

 Temperatures are displayed for **30 seconds**, or until TEMP button is pressed again



Operation : Preparing to Clean

- 1** Press **both TEMP and DAYPART** buttons to enter cleaning mode
- 2** Units are cooling for cleaning
- 3** Units are ready for cleaning



Note: Turn the power switch **OFF** then **ON** to exit clean mode



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

Cleaning



WARNING

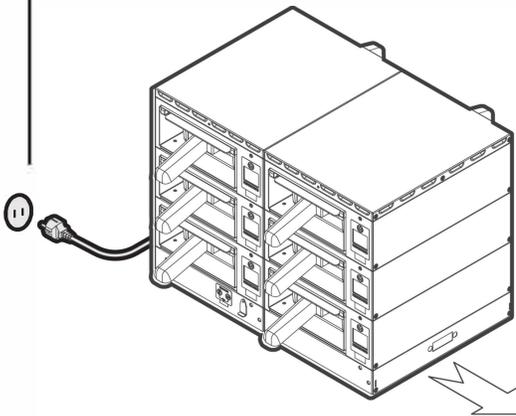
This unit is not watertight. Do not clean with a water jet/jet spray. Do not immerse the unit in water.



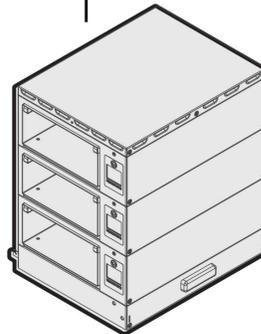
WARNING

Before performing any maintenance, turn the power switch to the OFF position and unplug the power

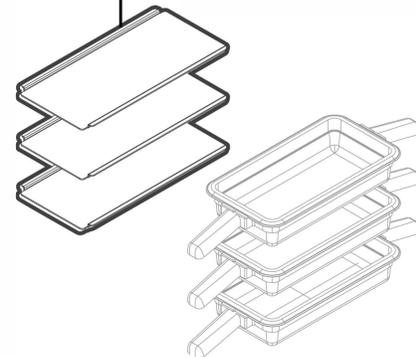
- 1** Turn the unit off and unplug the power cord from the electrical receptacle.



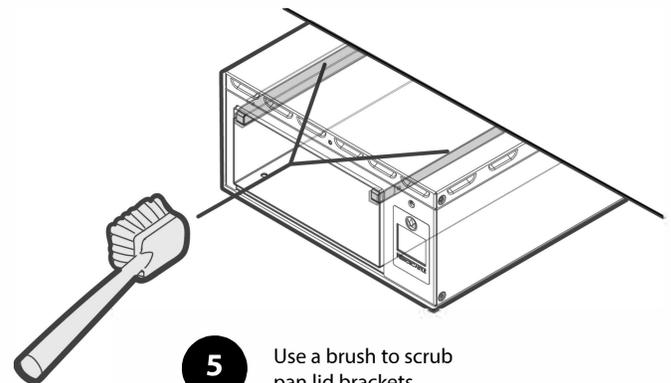
- 2** Separate columns for cleaning.



- 3** Remove pans and lids



- 4** Wipe all parts and unit with a damp cloth. **DO NOT use a green Scotch Bright pad cleaner, ice or water.**



- 5** Use a brush to scrub pan lid brackets.

Troubleshooting



WARNING

To avoid personal injury and possible damage to the unit, troubleshooting and repair of electrical equipment should be performed by qualified service personnel. This unit should be unplugged when servicing. Except when electrical tests are required. Use extreme caution during electrical circuit tests as live circuits may be exposed.

PROBLEM	PROBABLE CAUSE	SOLUTION
No Power	Power switch is turned off, Power cord is not plugged in. Cover or endcap is missing or not connected.	Turn power switch to ON position, Ensure power cord is connected to proper receptacle Tighten 3 screws on module and cover, ensure endcap is in place at end of last base on the right
Some units will not heat / power on	Units are not securely connected	Tighten 3 screws on module and cover, ensure endcap is in place at end of last base on the right. Check and tighten screws holding bases together, and ensure expansion bases are powering on properly.
Unit will not heat up	Wrong power cord, loose connection on power switch and/or heater	CALL TECH SUPPORT 1-800-722-7853
Unit heats up but display does not work	Timer bar wiring disconnected, module unit is defective	CALL TECH SUPPORT 1-800-722-7853
Unit under/over heats	Check temperature settings	CALL TECH SUPPORT 1-800-722-7853

CODE	PROBLEM	DESCRIPTION
E01	Upper Sensor Error	Upper Sensor Shorted or Open—Both heaters will shut off
E02	Lower Sensor Error	Upper Sensor Shorted or Open—Both heaters will shut off
E03	Upper Heater Error	Heater open / heating relay shorted closed
E04	Lower Heater Error	Heater open / heating relay shorted closed
E05	Recovery Error	Set point temp not reached in time
E06	Non-volatile Memory Error	Memory corruption in main base
E07	Configuration Error	Unable to set configuration upon power up
E08	USB File Upload Error	Unable to load file from USB due to file corruption
E09	Reserved	
E10	Reserved	
E11	Reserved	
E12	Reserved	
E13	Reserved	
E14	Reserved	
E15	Reserved	

For all technical support in North America, please contact
PRINCE CASTLE LLC
1-800-722-7853

For technical support worldwide, contact your local service representative / installer.