

CAUTION: Read Instructions before installing and using appliance

Original Instructions Operation Manual



CTD & CTDE Vertical Contact Toasters



The CTD Series Vertical Contact Toaster

This appliance is designed for toasting bread products in a commercial kitchen. Customer-adjustable features include:

- Bun Compression Adjustment
- Set Point Temperature
- Time (Speed of Conveyor)

The Conveyor Belt options may be wire, metal (Stainless Steel) or silicone.

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, not to exceed 18 months from date of shipment from our factory. Any part or component which proves to be faulty in material and/or workmanship within the warranty period will be replaced or repaired (at the option of Prince Castle LLC) 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 and all work must be performed by an authorized Prince Castle Service Agent.
- All labor shall be performed during regular work hours. Overtime premium will not be covered.
- Travel charges are limited to 100 miles (200 kilometers) round trip, 2 hours travel time, one trip per repair.
- Damage caused by carelessness, neglect, and/or abuse (e.g., using wrong current, dropping, tampering with or altering electrical components, or improper cleaning) is not covered.
- Equipment damaged in shipment, by fire, flood or an act of God is not covered.
- Damage to non-stick coated surfaces is not covered by this warranty.



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EQUIPMENT REGISTRATION





PRINCECASTLE

SILVER**KING**



Thank you for purchasing your equipment from the Marmon Foodservice Technologies family of brands. From technical support to warranty dispatch to replacement parts sales, Marmon Link provides your entire after-sales support for Cornelius, Prince Castle, Silver King, and Angelo Po America equipment.

Registering your equipment will help us keep you up to date on equipment information, preventative maintenance resources, and other topics. Your equipment's warranty will not be affected if you choose to not fill out this form.

To expedite the process, we ask that you have the following:

- The serial numbers of the equipment you purchased.
- The name and email address for a designed store contact.
- The general store information, including address location number.



Your equipment serial number will be validated against our database of existing serial numbers. If you are having difficulties entering a valid number, please contact Marmon Link at **1-866-275-6392**.



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.

IMPORTANT: 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.

Safety Features

The CTD & CTDE Vertical Contact Toasters include the following safety features:

- If a unit becomes too hot, it shuts down.
- If one of the conveyor doors is open during operation, both conveyors turn off and an alert screen appears.



Electrical Specifications

Model Number	Description	Volts	Hz	Watts	Amps
CTD-W	Toaster [Wire Belt]	208-240	50/60	1700-2250	7.08 / 10.82
CTD-M	Toaster [Metal Belt]	208-240	50/60	1700-2250	7.08 / 10.82
CTD-S	Toaster [Silicone Belt]	208-240	50/60	1700-2250	7.08 / 10.82
CTD-W-CE	Toaster [Wire Belt]	220-240	50/60	1650-2000	6.87 / 9.10
CTD-M-CE	Toaster [Metal Belt]	220-240	50/60	1650-2000	6.87 / 9.10
CTD-S-CE	Toaster [Silicone Belt]	220-240	50/60	1650-2000	6.87 / 9.10
CTDE-W	Toaster [Wire Belt]	208-240	50/60	2440-3250	9.40 / 14.40
CTDE-M	Toaster [Metal Belt]	208-240	50/60	2440-3250	9.40 / 14.40
CTDE-S	Toaster [Silicone Belt]	208-240	50/60	2440-3250	9.40 / 14.40
CTDE-W-CE	Toaster [Wire Belt]	220-240	50/60	3000	12.5 / 13.64
CTDE-M-CE	Toaster [Metal Belt]	220-240	50/60	3000	12.5 / 13.64
CTDE-S-CE	Toaster [Silicone Belt]	220-240	50/60	3000	12.5 / 13.64
XXX-XX-AX	Auxiliary Heater*	208-240	50/60	200-250	0.83 / 1.21

* To add an Auxiliary Heater, insert (AX) after belt type [i.e., CTD-WAX].

Installation

WARNING

The appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children shall not be allowed to use or play with this appliance.

Unpack and inspect.

1

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 1-800-722-7853 or 630-462-8800 to arrange for a replacement unit.

2 Verify parts.

Confirm that all parts have been received:

- CTD or CTDE Contact Toaster.
- Release Sheet Kit.
- Bun Infeed.
- Instruction packet

3 Place toaster on flat surface.

CAUTION

Two-person lift, unit weight:

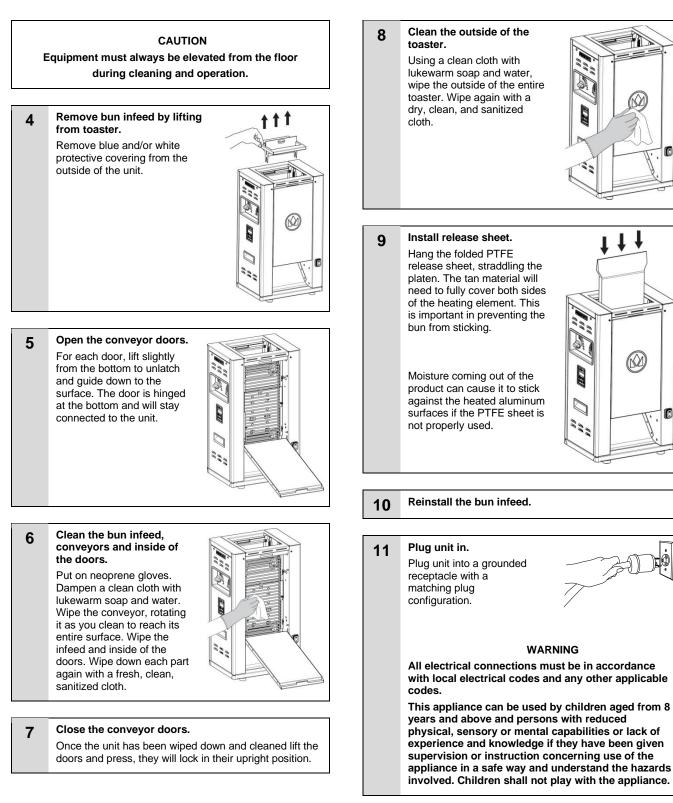
- CTD, >56 lbs. (25 kg)
- CTDE, >75 lbs. (34 kg)



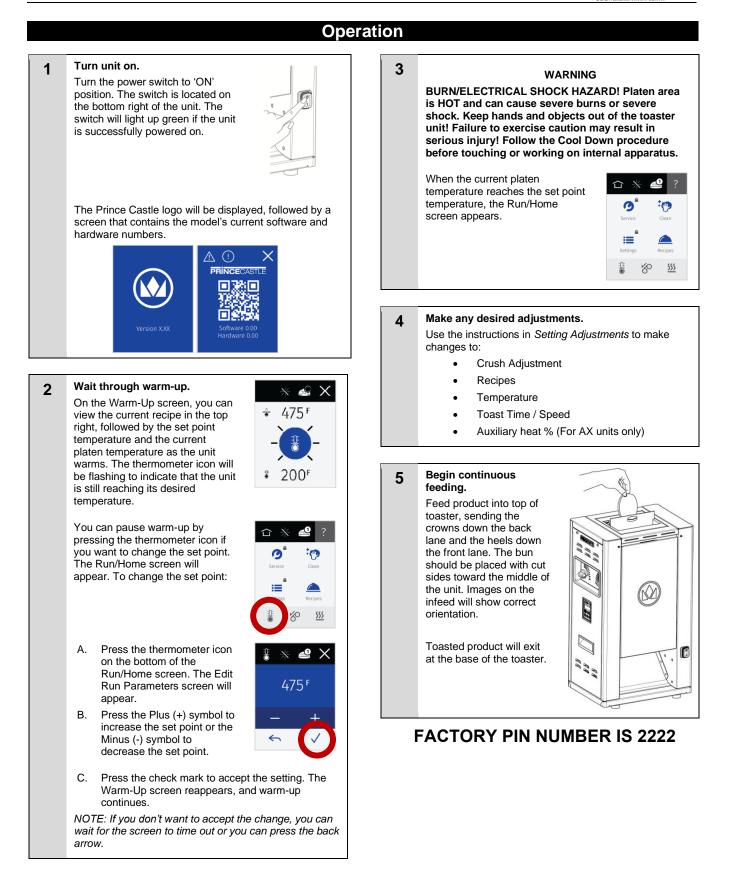
n

(K)

Installation (continued)







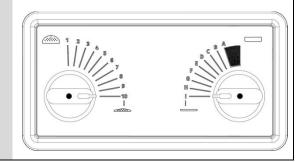


Setting Adjustments

1 Change Bun Compression adjustment.

Because the platen has separate segments for the "Crown" (left) side and "Heel" (right) side, they are adjusted separately, each with its own compression control. For example, if the heels are slipping through without making good contact with the platen and look like they need more toasting, the right compression adjustment switch may need to be moved to a different letter. Or, if the crowns seem unusually thick and are being compressed too much or over-toasted, the left compression adjustment switch may need to be moved to a different number.

- A. Turn the left-side compression adjustment closer to "1" to allow for thicker crowns or closer to "10" for thinner crowns.
- B. Turn the right-side compression adjustment closer to "A" to allow for thicker heels or closer to "I" for thinner heels.



E

2 Change the Recipe that is running.

The unit has four recipes to choose from. From the Run/Home screen, you can change the Recipe that is currently running.

- A. Press the Recipes icon on the Run/Home screen. The Recipes screen will appear.
- B. Press the Left arrow or Right arrow to change the recipe.
- C. Press the check mark to accept the change.

NOTE: If you don't want to accept the change, you can press the Return arrow. 3 Change the Temperature set point. From the Run/Home screen, you can change the Temperature set

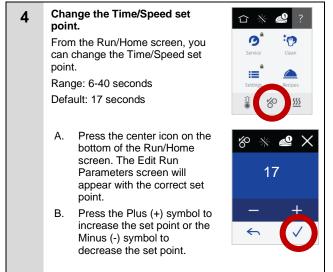
can change the Temperature set point.

A. Press the thermometer icon on the bottom of the Run/Home screen. The Edit Run Parameters screen will appear with the current set point.



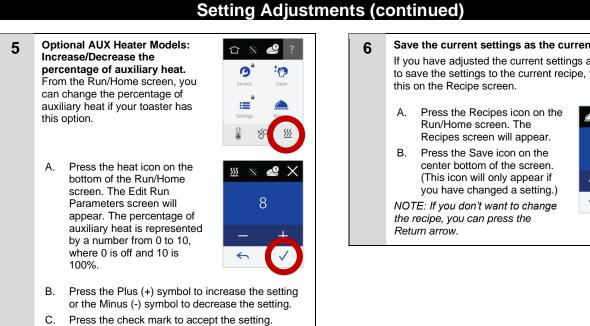
B. Press the Plus (+) symbol to increase the set point or the Minus (-) symbol to decrease the set point.

C. Press the check mark to accept the setting. NOTE: If you don't want to accept the change, you can press the Return arrow.



C. Press the check mark to accept the setting. NOTE: If you don't want to accept the change, you can press the Return arrow.



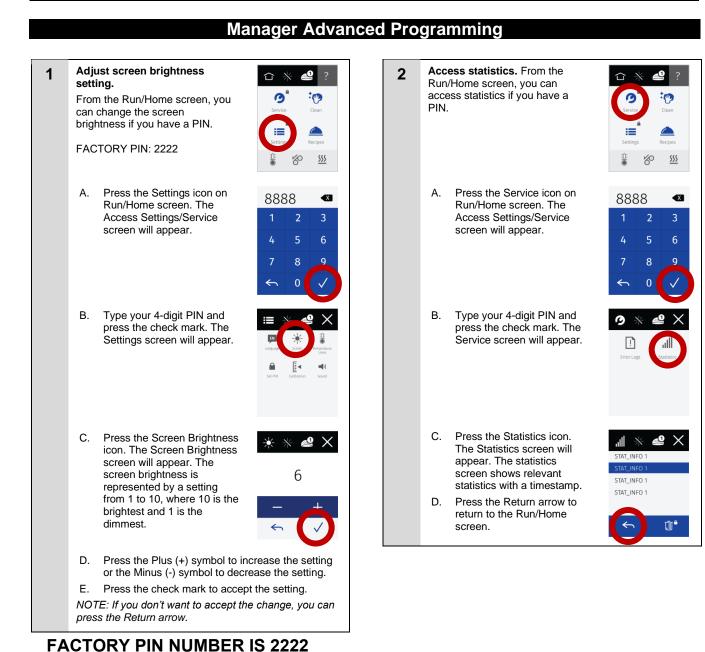


NOTE: If you don't want to accept the change, you can press the Return arrow.

If you have adjusted the current settings and you want to save the settings to the current recipe, you can do

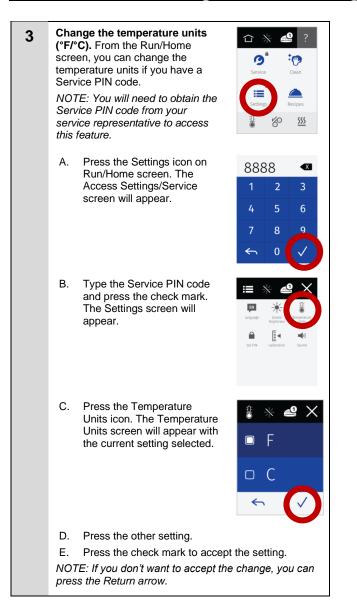








Manager Advanced Programming (continued)





Cool Down

WARNING

BURN/ELECTRICAL SHOCK HAZARD! Platen area is HOT and can cause severe burns or severe shock. Keep hands and objects out of the toaster unit! Failure to exercise caution may result in serious injury! Follow this procedure before touching or working on internal apparatus.

1 Press the Clean icon on the Run/Home screen.



The Clean screen will appear. On the Clean screen, you can view the current platen temperature, the thermometer icon, and the cooldown temperature set point.

* 250F - * -+ 120F

2 Wait while the toaster cools down.

The thermometer icon will be flashing until the current platen temperature reaches the cleaning set point temperature. The Cleaning icon will then appear, indicating it is okay to clean or work on the toaster.



Daily Planned Maintenance

WARNING

BURN/ELECTRICAL SHOCK HAZARD! Platen area is HOT and can cause severe burns or severe shock. Keep hands and objects out of the toaster unit! Failure to exercise caution may result in serious injury! Turn the unit off, unplug it and follow the Cool Down procedure before touching or working on internal apparatus.

WARNING

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified person to avoid a hazard.

CAUTION

Do not immerse toaster in water. Do not clean with a water hose or jet spray. Do not use abrasive cleaners, pads or tools on the platen or the release sheet. Failure to exercise caution will result in damage to the unit and will not be covered by warranty. Cleaning and user maintenance shall not be made by children without supervision.

1 Gather cleaning materials. You will need clean cloths, neoprene gloves, Foodservice Safe Multipurpose Detergent Solution, sanitizer solution, and lukewarm soap and water.

2

Follow the Cool Down procedure before cleaning.

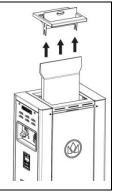
3 Turn the toaster off and unplug. Turn the On/Off switch located on the bottom right of the unit to the 'OFF' position. The green LED switch will also turn off.



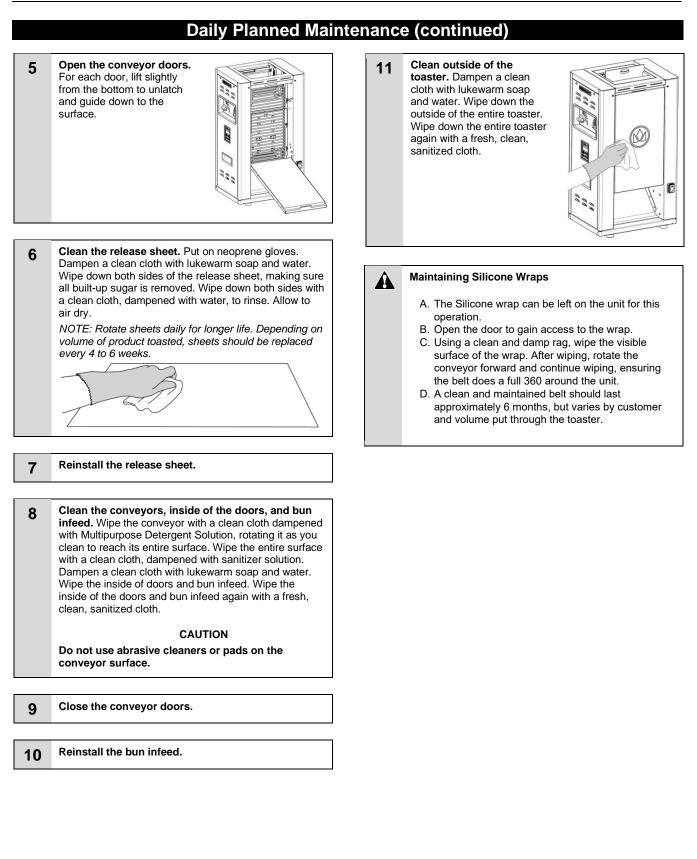
The plug removed from the outlet shall remain clearly visible to the operator during the maintenance procedure. Do not pull on the cord, grab the plug receptacle instead.

4 Remove bun infeed and release sheet.

Lay the release sheet on a flat surface.









Troubleshooting

WARNING

To avoid possible personal injury and/or damage to the unit, inspection, test and repair of electrical equipment should be performed by qualified service personnel. The unit should be unplugged when servicing, except when electrical tests are required. Use extreme care during electrical circuit texts. Live circuits will be exposed.

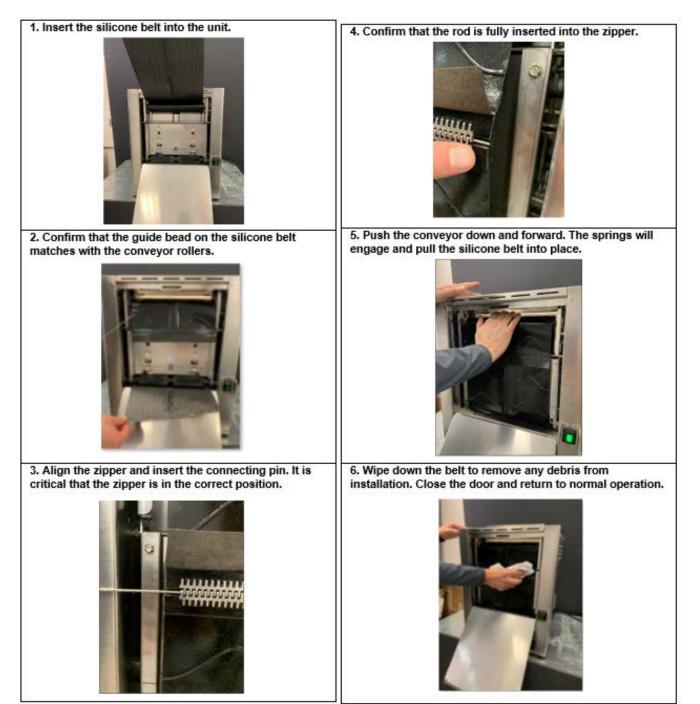
WARNING

BURN/ELECTRICAL SHOCK HAZARD! Platen is HOT and can cause severe burns or severe shock. Keep hands and objects out of the toaster unit! Failure to exercise caution may result in serious injury! Turn the unit off, unplug it and let it cool down completely before touching or working on internal apparatus. The plug removed from the outlet shall remain clearly visible to the operator during the maintenance procedure.

PROBLEM	POSSIBLE CAUSE	SOLUTION	
	Unit unplugged	Plug unit in.	
	Breaker tripped	Reset breaker.	
Unit has no power	Loose connection on power switch	Coll Teach Over and 4 000 700 7052	
	Inoperable power switch	Call Tech Support 1-800-722-7853	
	Loose connection on platen		
	Open platen		
Unit will not heat up	Loose connection to the main control board	Call Tech Support 1-800-722-7853	
	Inoperable main control board		
	Inoperable TRIAC		
	The conveyor door is ajar	Verify that the door is closed.	
	Inoperable motor		
Unit heats up, but the conveyors do not run	Stripped drive gear	Coll Teach Over and 1 000 700 7052	
	Stripped conveyor gear	Call Tech Support 1-800-722-7853	
	Jammed conveyor assembly		
	Inoperable RTD-probe	Call Tech Support 1-800-722-7853	
Not toasting properly (under- or over-done)	Improper set point	Adjust set point in programming (see Setting Adjustments section).	
	Improper compression	Adjust compression (see Setting Adjustments section).	
	Torn or soiled release sheet	Clean or replace release sheet.	
	Bad platen	Call Tech Support 1-800-722-7853	
	Improper ground		
Jumpy or blank display	Inoperable display	Call Tech Support 1-800-722-7853	
Jumpy of blank display	Inoperable main control board	Call Tech Support 1-600-722-7855	
	Loose wiring harness		
E01 error code visible on display	Relay shorted or open	Call Tech Support 1-800-722-7853	
E02 error code visible on display	Conveyor 1 either jammed or not working	Call Tech Support 1-800-722-7853	
E03 error code visible on display	Conveyor 2 either jammed or not working	Call Tech Support 1-800-722-7853	
E05 error code visible on display	Set point temperature not reached in expected time	Call Tech Support 1-800-722-7853	
E06 error code visible on display	Software files on USB not valid	Call Tech Support 1-800-722-7853	
E07 error code visible on display	Transferred software files on external Flash not valid	Call Tech Support 1-800-722-7853	
E08 error code visible on display	Temperature sensor open or shorted	Call Tech Support 1-800-722-7853	
		Call Tech Support 1-800-722-7853	
E09 error code visible on display	Current platen temperature 20°F higher than set point temperature	Call Tech Support 1-800-722-7853	
E09 error code visible on display E10 error code visible on display		Call Tech Support 1-800-722-7853 Call Tech Support 1-800-722-7853	

NOTE: For all other problems, call approved local service agent.

Installing the Silicone Belt



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Removing the Silicone Belt



3b. Fully remove the connecting pin.

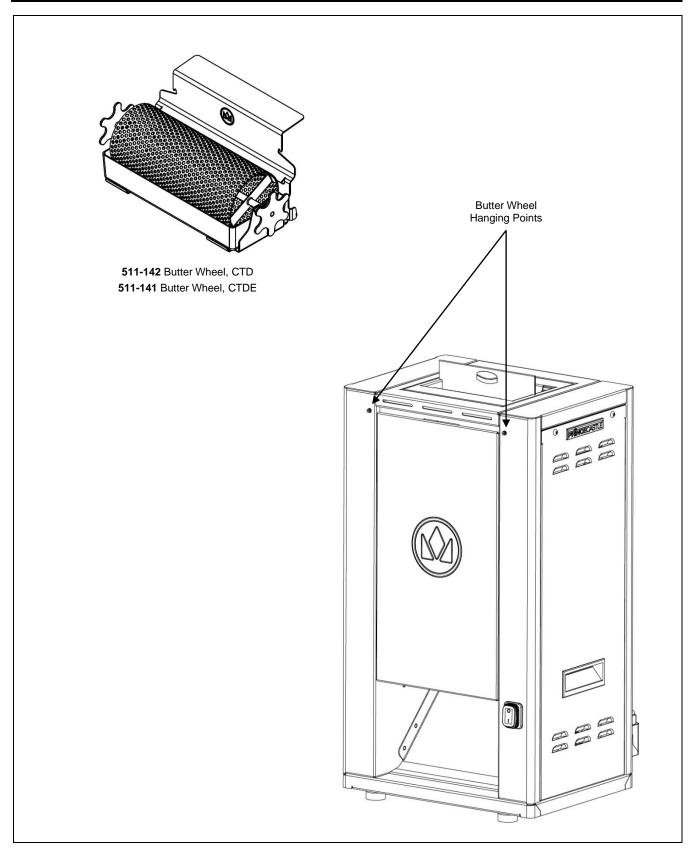


4. Remove the silicone wrap from the conveyor.





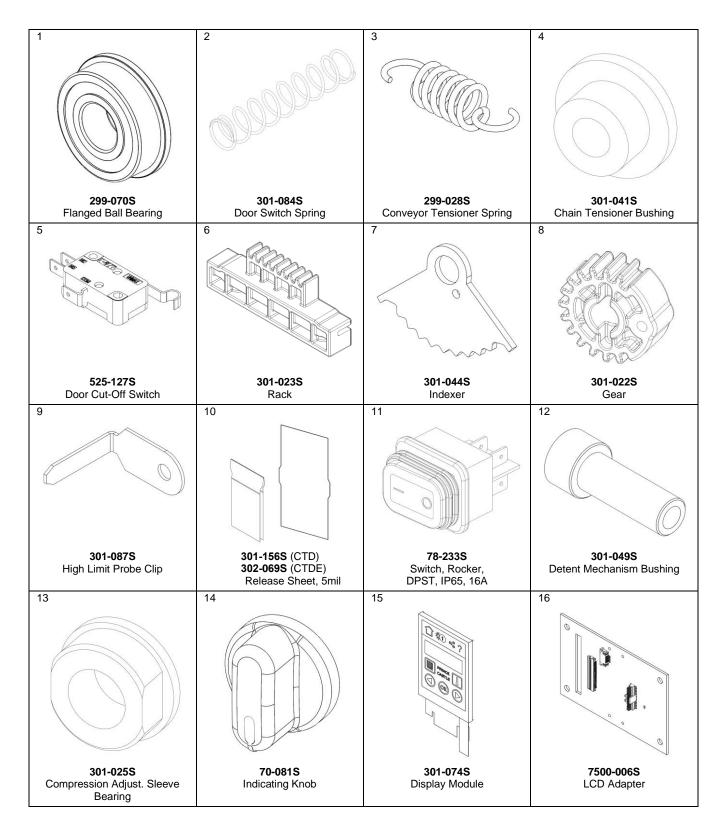
Accessories





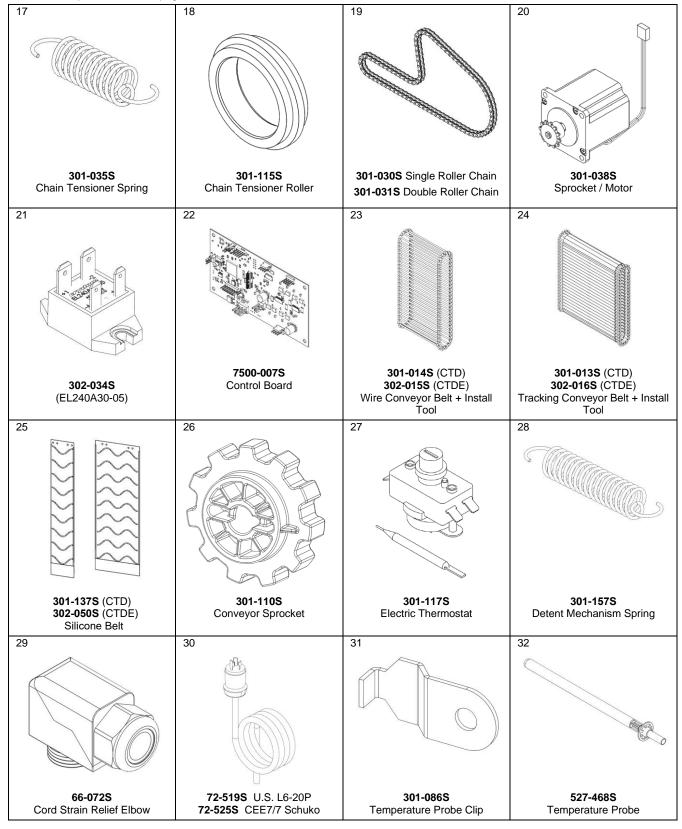


Service Kits



Service Kits (continued)

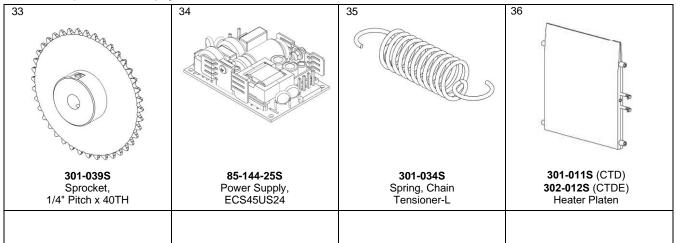
NOTE: See Exploded Views on page 19 for item location.





Service Kits (continued)

NOTE: See Exploded Views on page 19 for item location.

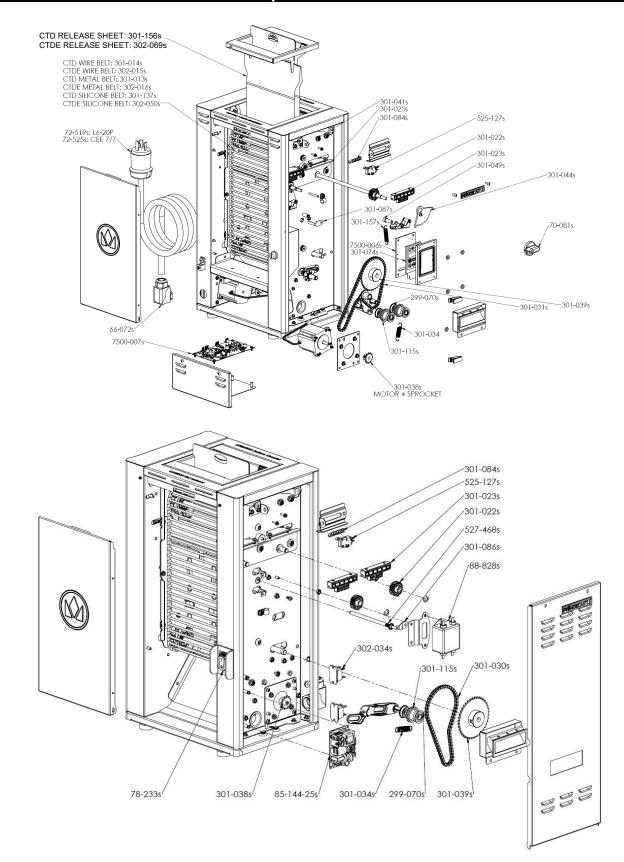


Not Shown:

40	41	42	43
88-828S Filter, EMI	301-090S High Limit Cable CTD 302-041S High Limit Cable CTDE	301-091S Harness, RTD	301-092S Harness, LCD
44	45	46	47
301-093S Harness, SSR	301-094S Power Harness, AC	301-095S Power Harness, DC	301-097S Wire, Neutral
48	46	50	
301-098S Harness, Door Switch	301-099S Harness, Auxiliary Heater	302-036S Harness, Auxiliary Heater	

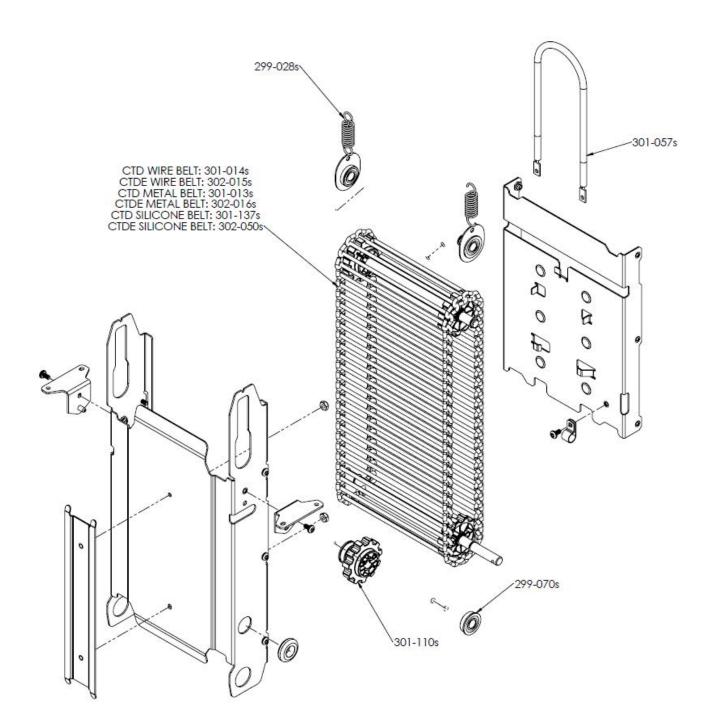


Exploded Views



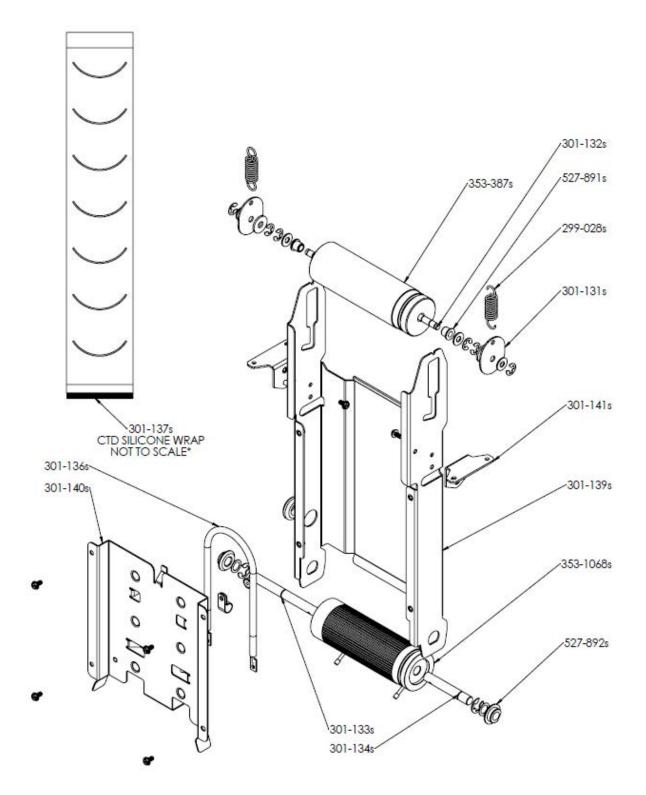


Exploded Views (continued)



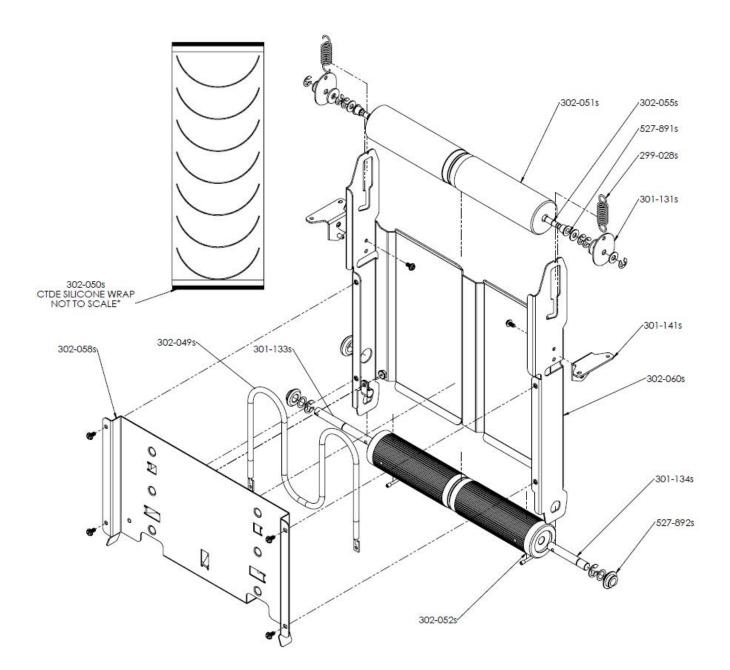


Exploded Views (continued)





Exploded Views (continued)





Wiring Diagram

