

Operation Manual

Conveyor Toaster Model No. 428-BX



LIMITED WARRANTY

This product is warranted to be free from defects in material and/or workmanship for a period of two (2) years from date of original installation. **On-location service for failure within 1 year of installation, proof of purchase will be required.**

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.
- Motors that fail due to the lack of monthly lubrication will not necessarily be covered under warranty.
- This toaster must be serviced by a Prince Castle Authorized Service Center or a Prince Castle Service Technician. Failure to do so can void this warranty.

TABLE OF CONTENTS

PAGE

Installation	2
Electrical Specifications	2
Product Identification	2
Operation	3
Preventive Maintenance	4
Cleaning	4
Troubleshooting Chart	5
Exploded View	6
Parts List	6
Wiring Diagram	7



PRINCE CASTLE INC. 
WORLDWIDE

355 East Kehoe Blvd. • Carol Stream, IL 60188
Tel: (630) 462-8800 • Fax: (630) 462-1460
Toll Free: 1-800-PCASTLE (1-800-722-7853)

INTENDED USE

This toaster is designed to toast breads bagels or English muffins. Do not attempt to toast croissants. Their butter content will cause them to stick to the conveyor. Do not attempt to toast products that have been buttered or spread with jam or other coating Do not attempt to bake in the toaster.

ELECTRICAL INFORMATION

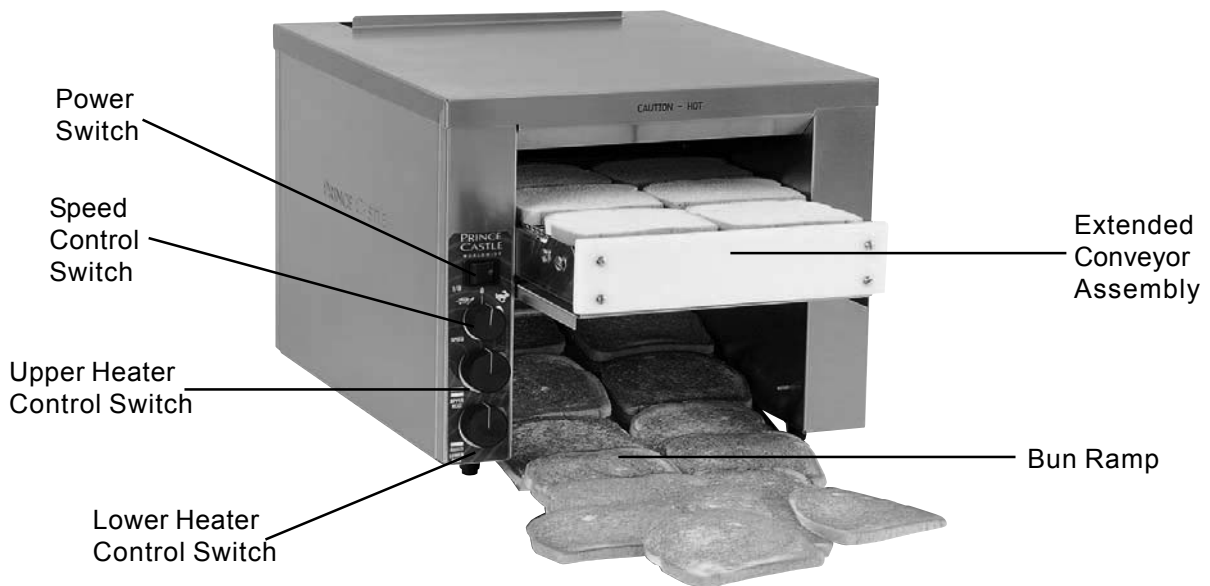
Model	Volts	Watts	Amps	Hz	Plug
428-BX	208	2600	12.5	50/60	6-20P



INSTALLATION

- After you have removed the toaster from the carton, inspect the unit for signs of damage. If there is damage to the unit:
 - Notify carrier within 24 hours after delivery.
 - Save carton and packing materials for inspection purposes.
 - Contact your local dealer or, if purchased directly, the Prince Castle Customer Sales Department at 1-630-462-8800 to arrange for a replacement to be sent.
- Verify that all parts have been received. Remove Protective Coating.
- Adjust legs so toaster is level.
- Remove packaging from bun slide and install bun slide in toaster by hooking it into the two pins in the rear of the chamber.
- The toaster fan located on the bottom of the toaster in the rear draws in cool room air and circulates it through the toaster sides and tops. To insure adequate heat dissipation do not position the toaster where the fan would draw in hot discharge from another appliance.

PRODUCT IDENTIFICATION



OPERATION

- 1 Plug unit into the proper voltage receptacle.
Set Power switch to "I" for On.



- 3 Allow 20 minutes for toaster to warm up.

Lay Bread, Bagel or Muffin, cut side up on the extended conveyor and push into toaster until it slides on to the conveyor chain. To control toast color, vary the conveyor speed or the heater settings.

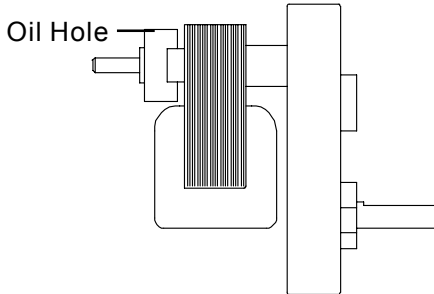


- 2 Turn upper and lower heater controls to maximum.



PREVENTATIVE MAINTENANCE

The motors used on the Prince Castle Bun Toasters, require monthly lubrication, 2-3 drops of 3 in 1 oil. Motors that fail due to the lack of monthly lubrication will not necessarily be covered under warranty. We would like to have field service technicians stress this maintenance requirement whenever failures occur on these toasters.



The conveyor chain should not touch the top surface of the crumb tray holder. If the chain does touch, retention it by unplugging the unit, remove both side covers, loosen the front bearing mounting screws and pivot the bearing until the chain no longer touches. Retighten bearing screws and replace side covers

CLEANING



WARNING: Turn off power switch, unplug toaster from wall outlet, and let toaster cool down before doing any repairs. All repairs should be done by a qualified service technician.



WARNING: This unit is not water tight. Do not clean with a water jet or jet spray. Do not immerse the unit in water

1. Set the POWER switch to OFF. Allow toaster to cool for 30 minutes.
2. Unplug toaster.
3. Remove crumb tray and clean toaster and parts by wiping with damp cloth.

Note: Some units come with a Teflon coated return chute. Do not use an abrasive cleaning agent or scrub brush on the Teflon.

TROUBLESHOOTING CHART

PROBLEM	CAUSE	SOLUTION
High limit tripped.	Toaster overheating due to blockage of airflow. Airflow fan inoperable.	Clean any debris from the fan guard that might be blocking the flow. Replace fan .
No power.	Circuit breaker tripped. Power switch inoperable. Broken wire in power cord.	Reset circuit breaker. Replace power switch. Replace power cord.
Toaster conveyor not turning.	Conveyor motor inoperable. Conveyor switch inoperable. Motor chain is loose Conveyor bearings worn	Lubricate and/or Replace motor. Replace speed switch. Retension motor chain. Replace bearings
Conveyor chain binds up in operation.	Sprockets worn. Excessive slack in conveyor chain.	Replace sprockets. Remove a chain link.
Toaster overheating.	Airflow blockage. Airflow fan inoperable	Clean any debris from fan guard Replace fan motor.
Upper and lower heat tubes not heating.	Heater switch inoperable. Heater inoperable.	Replace heater switch. Replace heater .
Bread product burning.	Conveyor speed too slow.	Adjust to proper settings
Bread product too light.	Conveyor speed too fast.	Adjust to proper settings
Lower heaters heating but top heaters are not.	High Limit Switch Tripped	See High Limit Tripped section

PARTS LIST

PN	Qty	Description
428-108	1	COVER,REAR GM2
428-126	2	COVER,SIDE
428-307	1	IDLER SHAFT ASSY
421-087	1	DRIVE SHAFT ASSY
421-286	2	BEARING,TEFLON REAR
421-287	1	BRACKET,CONVEYOR SHAFT STOP
428-080	1	TRAY,CRUMB
421-071	1	SPROCKET,DRIVE
428-144	1	CHAIN,DRIVE ANSI 25 75 LINKS
428-081	1	CHUTE,BUN SLIDE BX
428-311	1	CHAIN,CONVEYOR,76 LINKS
421-072	1	SPROCKET,IDLER
428-305	1	CONVEYOR,EXTENSION RH
428-306	1	CONVEYOR,EXTENSION LH
428-304	2	BEARING,TEFLON FRONT
428-362	1	GUARD,FRONT PLASTIC
86-312	4	SPACER
86-255	4	LEG,1"HI,1/4-20 MTG STUD,PLAST
70-043	1	KNOB,SPEED CONTROL
428-143	1	LINK,SPRING CLIP CONN. ANSI 25
86-271	1	GUARD,4" TUBEAXIAL FAN
421-090	3	CLIP,SPLICING CONVEYOR
78-173S	2	SWITCH,HEAT CONTROL,240V
70-042	2	KNOB,HEAT CONTROL
78-228S	1	SWITCH,ROCKER DPST ARCO C6053
87-018S	1	MOTOR,GEAR
428-142	1	FAN,4" TUBEAXIAL W/TAPPED HLS
72-159S	1	LINE CORD ASSY
421-274	1	INSULATOR,HIGH LIMIT
428-170S	6	HEATER,550W 69V 12.5"
65-048-10S	1	RELAY,DPDT,30A,220/240 50/60HZ
428-247	1	HEAT SHIELD,428'S

WIRING DIAGRAM

