



**DCH-100/200/300**

**DCH-120/220/320**

**Toasters Heated  
Owner's manual**

Manufacturing Numbers:

9500500, 9500510, 9500512, 9500520,  
9500530, 9500531, 9500532, 9500533,  
9500534, 9500535, 9500536, 9500537,  
9500538, 9500540, 9500550, 9500551,  
9500552, 9500553, 9500554, 9500556,  
9500557, 9500559, 9500734

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## Overview

The Antunes Display Case attractively displays your food and maintains it at ready-to-eat temperature. A convection fan (some models) circulates heat throughout the entire toaster while a digital temperature control maintains a constant temperature. Humidity water trays (some models) extend food holding times by reducing moisture loss.

Models DCH-100, DCH-200, and DCH-300 are primarily for meats and poultry products.

Models DCH-120, DCH-220, and DCH-320 are primarily designed for bread products.

### Before Use

This manual contains safety, installation, and operating procedures for the display cabinet. Read and understand it completely before installing or operating the toaster. Keep this document for reference. If the heated toaster changes ownership, this manual must accompany it.

### In Case of Damage

If the toaster arrives damaged, file a claim with the carrier immediately. Save all packing materials when filing a claim. Freight damage claims are the responsibility of the purchaser and are not covered under warranty.

### Website

[www.antunes.com](http://www.antunes.com)

## Service/Technical Assistance

### In Case of Damage

If any parts are missing or damaged, contact Antunes Customer Service immediately at +1-877-392-7856 (toll free).

If there are problems with the installation or operation of this product, contact Antunes Technical Service toll free at +1-877-392-7854.

Fill in the information in the next column and have it handy when calling for assistance. The serial number is on the specification plate located on the system.

### Equipment Information to Save

Purchased from:

---

Date of purchase:

---

Model number:

---

Serial number:

---

Manufacturing number:

---

### Authorized Service Agency

Name:

---

Phone No:

---

Address:

---

## Safety Information

### Installation

- Read and understand all instructions before installing or using the heated toaster
- Install and locate the equipment only for its intended use as described in this manual.
- All electrical connections must be in accordance with local electrical codes and any other applicable codes. The equipment must be grounded according to local electrical codes to prevent electrical shocks. It requires a grounded receptacle with separate electrical lines, protected by fuses or a properly-rated circuit breaker.
- Electrical ground is required on this appliance. Consult a qualified electrician if there is any uncertainty about whether the appliance is properly grounded.
- Do not modify the power supply cord plug. If it does not fit the outlet, have a proper outlet installed by a qualified electrician.
- Do not use an extension cord with this appliance.

### Operation

- The heated toaster is furnished with a properly grounded cord connector. Do not attempt to defeat the grounded connector.
- Do not operate the heated toaster if it has been damaged or dropped, if it has a damaged cord or plug, or if it is not working properly.
- Do not block or cover any openings on the equipment.
- Do not immerse the cord or plug in water.
- Keep the cord away from heated surfaces.
- Do not allow the cord to hang over the edge of a table or counter.

### Maintenance

- Do not use abrasive materials; they can damage the heated toaster's stainless steel finish.
- Do not use corrosive chemicals in this equipment.
- Chlorides or phosphates in cleaning agents (e.g., bleach, sanitizers, degreasers, and detergents) can permanently damage stainless steel equipment. The damage is usually in the form of discoloration, dulling of the metal surface finish, pits, voids, holes, or cracks. This damage is permanent and is not covered by warranty.
- Use only chemical cleaners that are safe for cast aluminum. Observe all precautions and warnings on product labels.
- Always use a soft, damp cloth for cleaning. Rinse with clear water and wipe dry. When required, always rub in the direction of metal polish lines.
- Routine cleaning should be performed daily with soap, ammonia detergent, and water.
- Sponge stains and hard water spots with a 50% vinegar solution.
- Rub off finger marks and smears using soap and water.
- Do not clean the heated toaster with a water jet.

### Service

- Inspection, testing, and repair of electrical equipment must be performed only by qualified service personnel.
- Have the heated toaster serviced only by qualified personnel. Contact Antunes Technical Service for adjustment or repair.
- Turn the power off, unplug the power cord, and allow unit to cool to room temperature before performing any service or maintenance.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or a similarly qualified person in order to avoid an electrical hazard.

## Heated Toaster Glass Warnings

(DCH Models)

Please follow the Safety Instructions below in order to reduce the chance of damaged/broken glass:

**Warning: Mishandling this product or failure to follow these instructions may result in shattering glass.**

DO NOT scratch, chip, or nick the glass.

DO NOT place any metal objects in contact with the glass (merchandise holders, signs, etc.).

DO NOT transfer coins over the unit.

DO NOT use the glass as a serving counter.

**When cleaning, handling, or removing the glass, make sure that the glass is cool (room temperature).**

USE approved cleaners marketed for glass cleaning only.

USE a flat surface covered with a soft cloth to place the glass on, if the glass is removed.

USE a clean, soft cloth when cleaning the glass. Do not use paper towels.

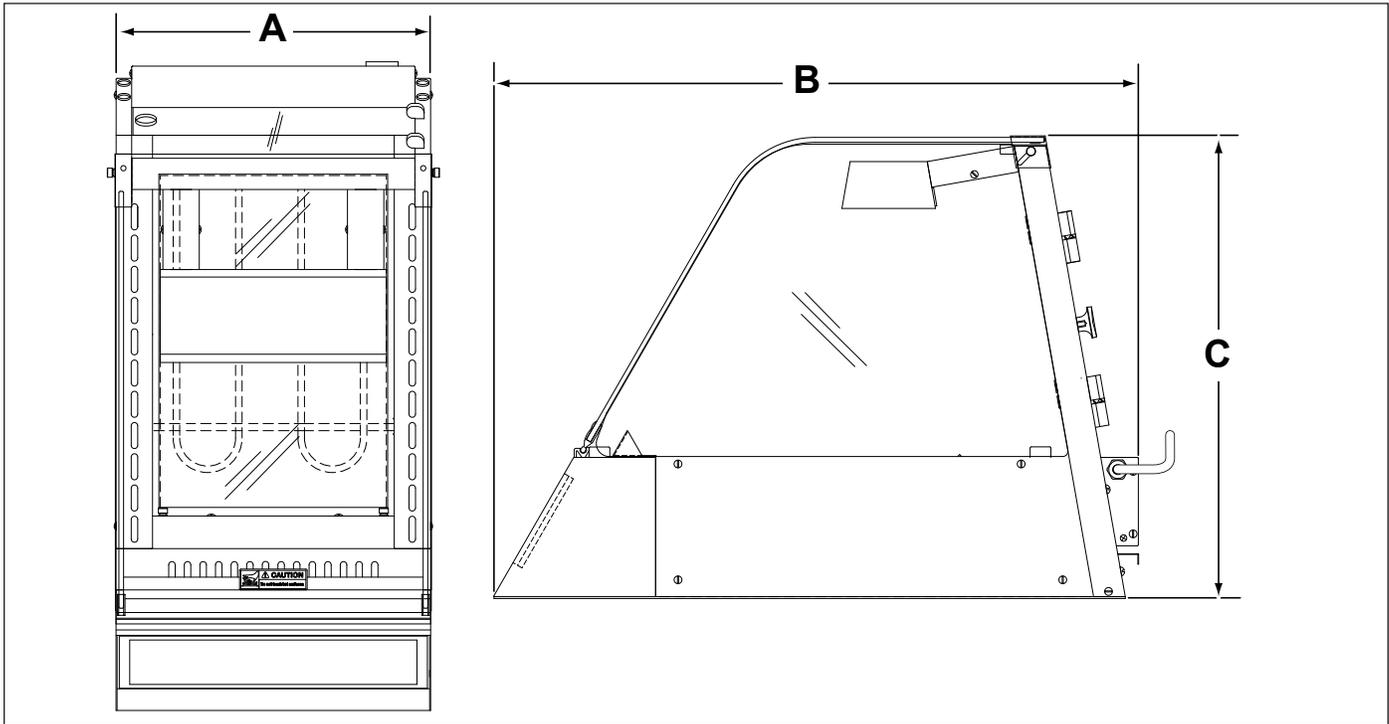
USE light pressure when wiping/cleaning the glass.

MAKE SURE that the top cover glass does not touch the edge of the side glass.

MAKE SURE to replace scratched, chipped, nicked, cracked, or broken glass.

# Specifications

## Dimensions



Model	A	B	C
DCH-100 DCH-120	15-1/8" (384 mm)	30-1/4" (768 mm)	22-13/32" (569 mm)
DCH-200 DCH-220	30-1/4" (768 mm)	30-1/4" (768 mm)	22-13/32" (569 mm)
DCH-300 DCH-320	42-1/16" (1068 mm)	30-1/4" (768 mm)	22-13/32" (569 mm)

## Capacities

Model	Capacities
DCH-100	<ul style="list-style-type: none"> <li>One 2-1/2" (63.5 mm) deep full size steam table pan.</li> <li>One water tray (some models) at 4 quarts (3.8 liters).</li> <li>One Crumb Tray (some models).</li> </ul>
DCH-120	
DCH-200	<ul style="list-style-type: none"> <li>Two 2-1/2" (63.5 mm) deep full size steam table pans.</li> <li>Two water trays (some models) at 4 quarts (3.8 liters) each.</li> <li>One Crumb Tray (some models)</li> </ul>
DCH-220	
DCH-300	<ul style="list-style-type: none"> <li>Three 2-1/2" (63.5 mm) deep full size steam table pans.</li> <li>Two water trays at 5 quarts (4.7 liters) each.</li> </ul>
DCH-320	

## Temperature Ranges

Model	Temperatures
DCH-100	150°-165°F (66°-74°C)
DCH-120	100°-165°F (38°-74°C)
DCH-200	150°-165°F (66°-74°C)
DCH-220	100°-165°F (38°-74°C)
DCH-300	150°-165°F (66°-74°C)
DCH-320	100°-165°F (38°-74°C)

## Electrical Ratings

### CAUTION

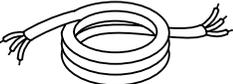
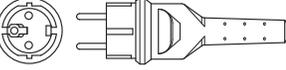
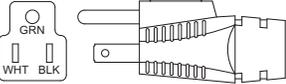
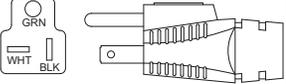
All electrical connections must be in accordance with local electrical codes and any other applicable codes.

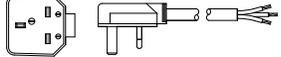
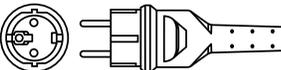
Model and Mfg. #	Voltage	Watts	Amps	Hertz
DCH-100CF 9500500	120	1550	12.9	50/60
DCH-120CF 9500510	120	1550	12.9	50/60
DCH-120CT 9500512	120	1550	12.9	50/60

Model and Mfg. #	Voltage	Watts	Amps	Hertz
DCH-220 9500533 International Unit	200-240	2050	9.3 - 8.5	50/60
DCH-220HC 9500536	220-240	2000	8.7	50/60
DCH-220 9500537	200-240	2050	9.3 - 8.5	50/60
DCH-220HC 9500734	220	1850	8.4	50/60
DCH-320 9500553 International Unit	200-240	2850	14.3 - 11.8	50/60
DCH-320HC 9500556	220-240	2800	12.2	50/60
DCH-320HB 9500559 Saudi Arabia	220-240	2800	12.2	50/60

Model and Mfg. #	Voltage	Watts	Amps	Hertz
DCH-200CT 9500520	120	1800	15.0	50/60
DCH-220CT 9500530	120	1760	14.6	50/60
DCH-220CT 9500531	120	1800	15.0	50/60
DCH-220CT 9500532	120	1800	15.0	50/60
DCH-220CT 9500534	120	1800	15.0	50/60
DCH-220CT 9500538	120	1800	15.0	50/60
DCH-300CT 9500540	120	1800	15.0	50/60
DCH-320CT 9500550	120	1800	15.0	50/60
DCH-320CT 9500551	120	1800	15.0	50/60
DCH-320CT 9500552	120	1800	15.0	50/50
DCH-320CT 9500554	120	1800	15.0	50/60
DCH-320CT 9500557	120	1800	15.0	50/60

## Electrical Cord & Plug Configurations

Letter Code*	Description	Configuration
C H	Commercial Cord Harmonized Cord	
(H)C***	CEE 7/7, 16 Amp., 250 VAC (Assembly Only).	
(C)F**	5-15P, 15 Amp., 120 VAC., Non – Locking (Assembly Only).	
(C)T**	5-20P, 20 Amp., 120 VAC., Non – Locking (Assembly Only).	

Letter Code*	Description	Configuration
(H)B	BS-1365 - Fused Permaplug 16 Amp., 250 VAC	
(H)C***	CEE 7/7 SCHUKO 16 Amp., 250VAC	

\*\* Indicates that the plug comes with a Commercial Cord.  
\*\*\* Indicates that the plug comes with a Harmonized Cord.

## Model Designation

DCH-100	X X	<b>TYPE OF POWER CORD</b> H = HARMONIZED C = COMMERCIAL
DCH-120	—	
DCH-200	—	
DCH-220	—	
DCH-300	—	
DCH-320	—	<b>TYPE OF PLUG</b> C = CEE 7/7 Schuko F = NEMA 5-15P T = NEMA 5-20P B = BS-1365

# Installation

## Unpacking

1. Remove unit and all packing materials from shipping carton.
2. Open the large box. Remove all packing materials and protective coverings from the unit and parts.

**NOTE:** If any parts are missing, contact Antunes IMMEDIATELY at 1-877-392-7854 in the U.S., or +1-630-784-1000 outside the U.S..

3. Wash all components in soap and water. Wipe all surfaces of the unit with a hot damp cloth.

**NOTE:** Do not use a dripping wet cloth. Wring out before use.

4. Install components in unit.

## Equipment Setup

When placing the unit into service, pay attention to the following guidelines:

- Make sure power to the unit is off and the unit is at room temperature.
- Do not block or cover any openings on the unit.
- Do not immerse cord or plug in water.
- Keep cord away from heated surfaces.
- Do not allow cord to hang over edge of table or counter.
- Place unit on a sturdy, level table or work surface.
- Ensure that the line voltage corresponds to the stated voltage on the unit specification label located at the end of the power cord.
- Turn the Rocker Switch (power On/Off) to OFF. Connect the unit to the power supply.

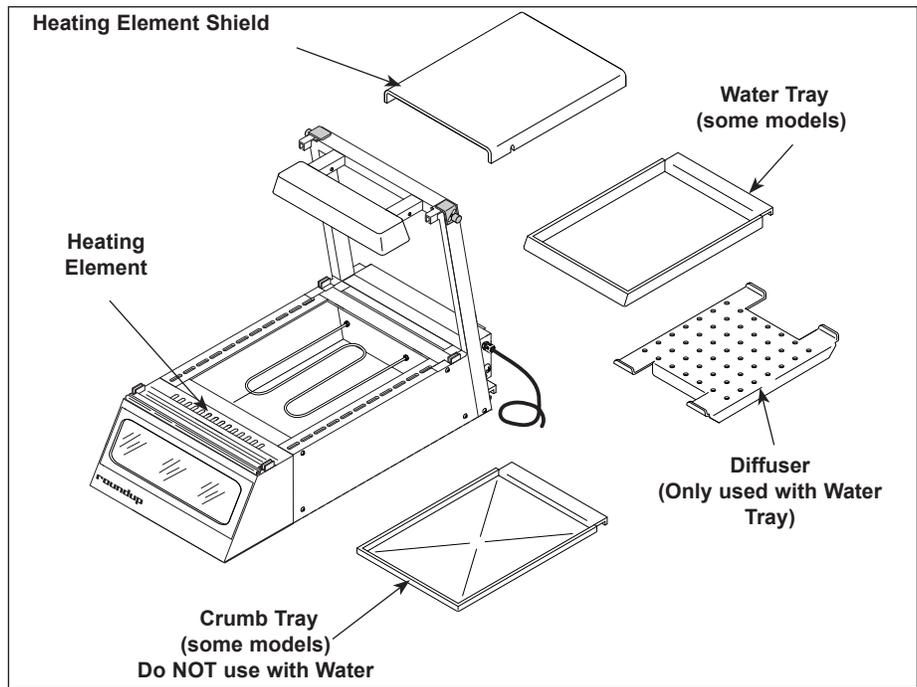


Figure 1. Display Components (DCH-100 Shown)

 <b>WARNING</b> THIS APPLIANCE MUST BE EARTHED (GROUNDED)	 <b>WARNING</b> THIS APPLIANCE MUST BE EARTHED (GROUNDED)
<h1>120 VAC ONLY</h1>	THIS UNIT IS DESIGNED TO OPERATE <b>ON 120 VOLTS ONLY</b> . APPLICATION WITH ANY OTHER VOLTAGE SUPPLY COMPLETELY <b>VOIDS ALL WARRANTY</b> . PLEASE CHECK YOUR LINE VOLTAGE BEFORE INSERTING THIS PLUG INTO THE RECEPTACLE.

 <b>WARNING</b> THIS APPLIANCE MUST BE EARTHED (GROUNDED)	 <b>WARNING</b> THIS APPLIANCE MUST BE EARTHED (GROUNDED)
<h1>220-240 VAC ONLY</h1>	THIS UNIT IS DESIGNED TO OPERATE <b>ON 220-240 VOLTS ONLY</b> . APPLICATION WITH ANY OTHER VOLTAGE SUPPLY COMPLETELY <b>VOIDS ALL WARRANTY</b> . PLEASE CHECK YOUR LINE VOLTAGE BEFORE INSERTING THIS PLUG INTO THE RECEPTACLE.

## Operations and Programming

**NOTE:** Models DCH-120/220/320 have an adjustable temperature range of 100-165° F (38-74° C). Since the temperature can be set below 150° F (65° C), which is below the safe holding temperature for some foods, only **NON-MEAT** products should be held in these units. Models DCH-100/200/300 have an adjustable temperature range of 150-165° F (66-74° C).

For units **ONLY** equipped with Water Tray(s) and diffuser(s) (Figure 3):

- If a dry environment is desired, **DO NOT** add water to the Water Trays. If a humid environment is desired, add water to the Water Trays as shown in Figure 2. If more humidity is desired, remove the Diffusers from the Water Trays.

**NOTE:** Fogging/Condensation of the glass may occur if the Water Trays contain too much water and/or the Diffusers are not present in the water trays. Units equipped with a Crumb Tray (Figure 1) are designed to operate **WITHOUT** water.

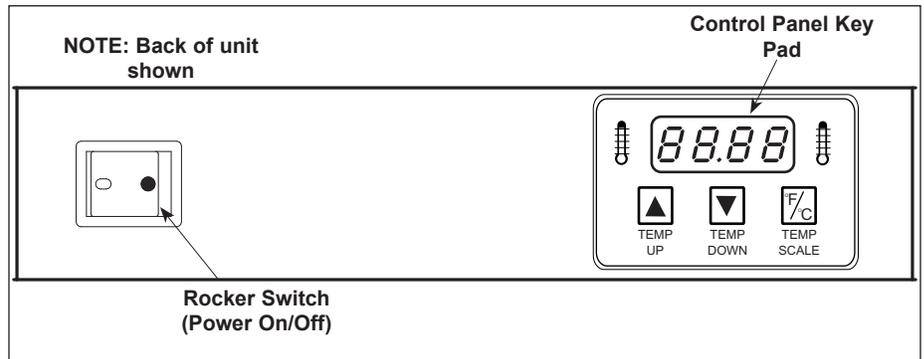


Figure 3. Controls

The Setpoint temperature is the desired cabinet temperature setting. When the Temp UP button is pressed and held (and provided that the unit is up to temperature), the actual cabinet temperature is displayed. When the button is released, the Setpoint temperature is displayed.

1. Turn the unit ON. The display will flash "LO" to indicate that the unit is heating up. After 20-30 minutes (when the unit is up to temperature), the display will show the setpoint temperature.
2. To adjust the setpoint temperature, press and hold the Temp Up and Temp Down buttons until the display begins to flash. Release the buttons. Then, press the Temp Up or Temp Down buttons to raise or lower the setpoint temperature. Release when the display shows the desired temperature.

3. To change the display from Fahrenheit to Celsius and back, press and hold the Temp Scale button (Figure 3) for 2-3 seconds and release.
4. Open the rear door(s) and place the serving table pan(s) into the unit (Figure 4). Load the pan(s) with the food product using tongs or similar utensil. Close the door(s).

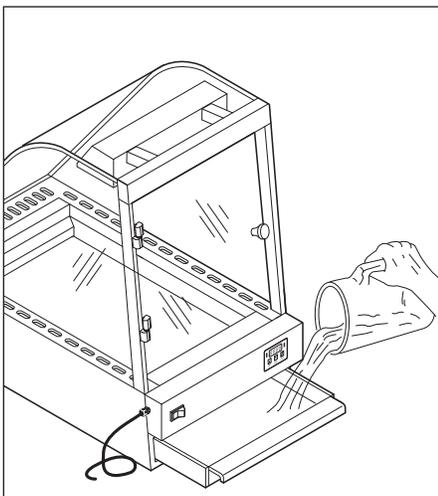


Figure 2. Filling Water Tray (DCH-100 shown)

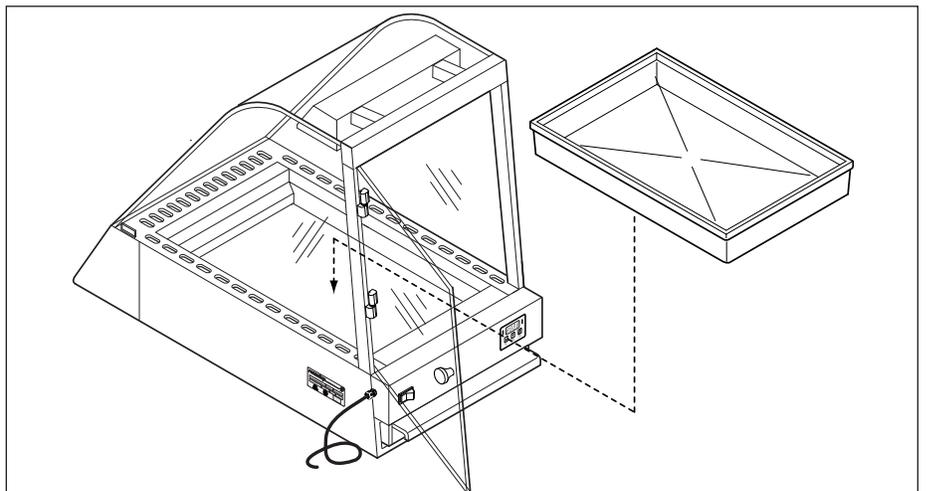


Figure 4. Loading Food (DCH-100 Shown)

## Maintenance

Be sure to follow all of the warnings and precautions listed in the Important Safety Information section of this manual.

### **WARNING**

Turn the unit off, disconnect the power source and allow the unit to cool down before performing any service or maintenance on the unit.

### **CAUTION**

Do not remove water pan or crumb tray while unit is hot or burns or other personal injury may result.

### **WARNING**

All glass surfaces must be cool before cleaning. Once cool, wipe glass with a clean cloth. Do not attempt to clean glass when hot or with cold towel as shattering glass may occur.

## Daily Cleaning

The unit requires a minimum amount of maintenance. To ensure proper operation, clean the unit at the end of each serving day.

1. Turn unit off, unplug the power cord, and allow the unit to cool to room temperature.
2. Once cooled, remove all components.
3. Wash all components in soap and water. Wipe all surfaces of the unit with a damp cloth.

**NOTE:** Do not use a dripping wet cloth. Wring the cloth out before use.

4. Install components in unit.

## Parts Replacement

### Halogen Bulb Replacement

#### **CAUTION**

Do not handle halogen bulbs with bare hands. Use a tissue or clean cloth to handle halogen bulbs

#### **CAUTION**

Use 1000 Watt (Max.) Quartz tungsten halogen lamp (T4 Bulb/'RSC' Base) only. To reduce the risk of electric shock when replacing bulbs, turn display switch to OFF position.

1. Turn the unit off.
2. Unplug the power cord from the electrical outlet and allow the unit to cool to room temperature before proceeding.
3. Gently, but firmly, press the lamp socket sideways and remove the bulb (Figure 5).
4. Install a new 100 watt bulb while pressing the socket sideways. Make sure bulb is fully seated before releasing socket.

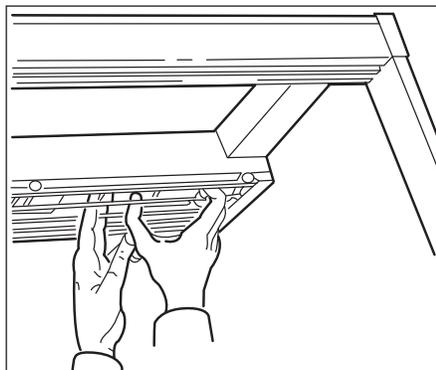


Figure 5. Halogen Bulb Replacement

### Front Display Graphics/Bulb Replacement

1. Turn the Rocker Switch (Power On/Off) to OFF
2. Unplug the power cord from the electrical outlet and allow the unit to cool to room temperature before proceeding.
3. Using a screwdriver or similar flat bladed tool, gently pry one side of the display panel assembly from the unit (Figure 6), then remove the panel.
4. Remove bulb by gently turning it counterclockwise. Install a new 10 watt 120 volt bulb.
5. Install new graphics by removing the white diffuser plate and transparency holder. Replace transparency and reinstall holder and plate.

**NOTE:** The Display Panel Assembly is held in place by magnetic strips. To remove, carefully pry the assembly from its place using a flat-blade screwdriver or similar tool.

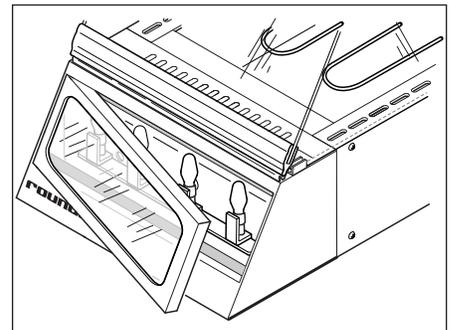


Figure 6. Display Lamp Replacement

## Rear Door Replacement

### DCH-100/120 Models

1. Turn the Rocker Switch (Power On/Off) to OFF.
2. Unplug the power cord from the electrical outlet and allow the unit to cool to room temperature before proceeding.
3. Open the rear door and lift off the Hinge Pins.
4. Place new door on Hinge Pins and close the door.

### DCH-200/220/300/320 Models

5. Turn the Rocker Switch OFF, unplug the power cord from the electrical outlet, and allow the unit to cool to room temperature before proceeding.
6. Firmly grasp the sides of one glass door. Lift the door up and out of the bottom track (Figure 7). Repeat for the other door.
7. Place new door in the inside upper track. Push up firmly and slide bottom of door into bottom inside track. Install other door into outside tracks the same way.

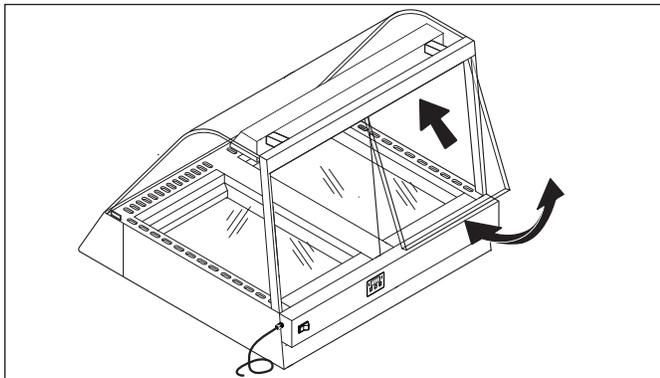


Figure 7. Rear Door(s) Removal/Installation  
DCH-200/220/300/320 Models.

## CAUTION

Front glass panel replacement should be performed by **two people** to prevent damage to the glass.

## Front Glass Replacement

1. Turn the unit OFF, unplug the power cord from the electrical outlet, and allow the unit to cool to room temperature before proceeding.
2. Loosen the thumbscrew securing each Top Glass Retainer Assembly. Slide the retainer up and to the rear (Figure 8).
3. Tilt the Front Glass Panel Assembly forward on the Hinge Plate and remove the panel from the unit.
4. To reinstall, be sure the Front Glass Panel Assembly is fully seated in the Hinge Plate. Then, tilt the assembly fully towards the rear and secure it to the Top Glass Retainer Assembly using the thumb screws.

## Side Glass Replacement

1. Turn the unit OFF, unplug the power cord from the electrical outlet, and allow the unit to cool to room temperature before proceeding.
2. Remove the thumbscrews securing each Top Glass Retainer Assembly. Slide the retainer up and to the rear.
3. Tilt the Front Glass Panel Assembly forward on the Hinge Plate and remove the assembly from the unit.
4. Remove each Top Cap Assembly (Figure 8). Next, lift the Side Glass Panel up and forward to remove it from the glass clips.
5. To reinstall, position the Side Glass Panel into glass clips. Push fully rearward and position the Nylon Stoppers according to Figure 8. Reinstall the front glass panel assembly.
6. Secure with the Top Cap Assembly and Top Glass Retainer Assembly using the thumbscrews.

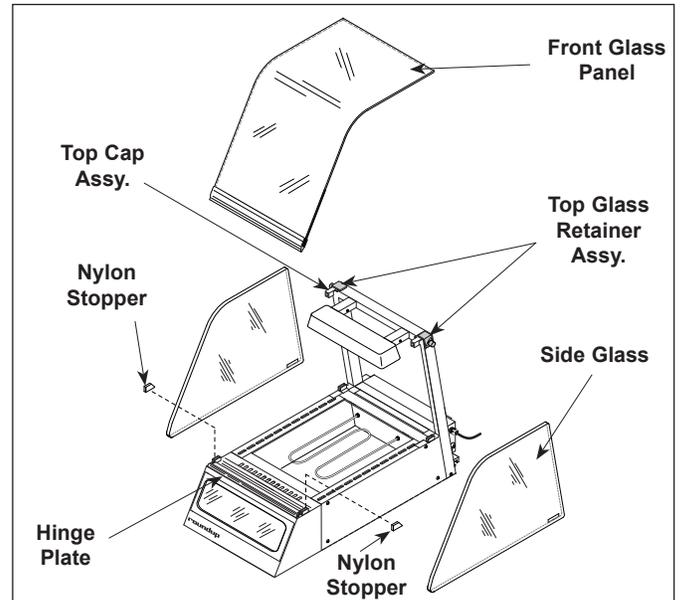
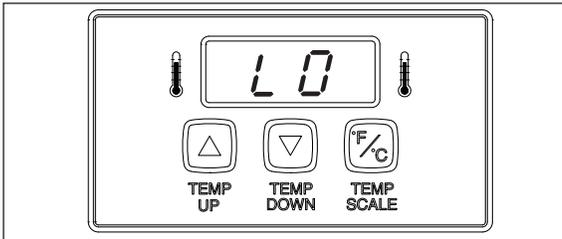


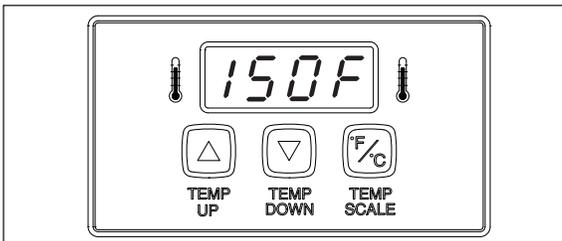
Figure 8. Glass Panel (s) Replacement

## Display Codes

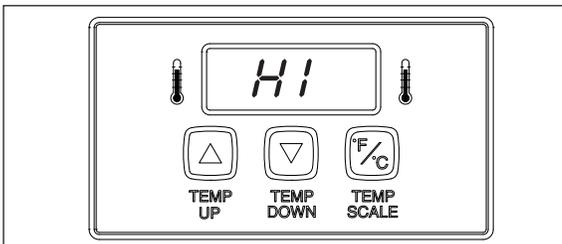
This section describes the different display codes and their meanings.



"LO" flashes during the initial warm up period. The unit continues to display this code until the unit reaches the setpoint temperature. When the unit reaches the setpoint temperature, it displays the setpoint temperature.

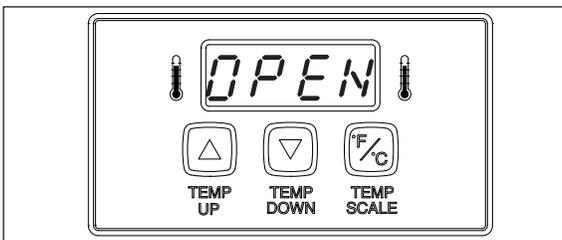


This figure shows an example setpoint temperature of 150° F displayed on the console.



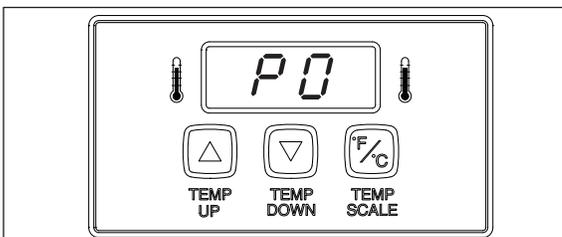
"HI" flashes if the actual cabinet temperature exceeds the setpoint temperature or if the thermistor has shorted.

**NOTE: The thermistor should be 100k ohm +/- 2% at room temperature.**



"OPEN" flashes if the thermistor is OPEN or disconnected. The unit will not call for heat.

**NOTE: The thermistor should be 100k ohms +/- 2% at room temperature.**



"PO" In 120 VAC units, this code flashes if the supply voltage is below 100 VAC or above 135 VAC. In 220/240 VAC units, this code flashes if the supply voltage is below 190 VAC or above 265 VAC.

**NOTE: If voltage is within normal ranges, then the Control Board is faulty.**

To reset a unit in this state, the supply voltage must be within acceptable limits and the unit must be turned off for a few seconds and then turned back on.

# 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.

Problem	Possible Cause	Corrective Action
No heat, no display, and the power switch indicator light is OFF.	Power cord is not plugged in.	Plug the power cord into the appropriate outlet.
	Circuit breaker is off or has been tripped.	Reset circuit breaker, contact your maintenance person or Authorized Service Agency if it trips again.
	No power at receptacle.	Contact your maintenance person or Authorized Service Agency for service.
	Inoperable power cord.	
	Inoperable power switch.	
	Loose, burnt, broken wiring in the circuit.	
No heat, no display, and the power switch indicator light is ON.	Inoperable Transformer.	Contact your maintenance person or Authorized Service agency for service.
	Inoperable Control Board.	
	Loose, burnt, broken wiring in circuit.	
Display flashes "LO" and the cabinet does not heat up.	Inoperable Solid State Relay.	Contact your maintenance person or Authorized Service Agency for service.
	Inoperable Control Board.	
	Inoperable Heater(s).	
	Loose, burnt, broken wiring in circuit.	
Display flashes "HI" and the cabinet does not heat up.	Inoperable Thermistor.	Contact your maintenance person or Authorized Service Agency for service.
	Inoperable control Board.	
Display flashes "HI" and the cabinet is very hot.	Solid State Relay contacts shorted closed.	Contact your maintenance person or Authorized Service Agency for service.
	Inoperable Control Board.	
Display flashes "OPEN" and the cabinet does not heat up.	Thermistor is disconnected or open.	Re-secure the Thermistor onto the Control Board. If this problem persists, contact your maintenance person or Authorized Service Agency for service.
	Inoperable Control Board.	
Display flashes "PO" and the cabinet does not heat up.	For 120 volt units, the supply voltage is below 100 VAC or above 135 VAC.	Contact your maintenance person or Authorized Service Agency for service.
	For 220/240 volt units, the supply voltage is below 190 VAC or above 265 VAC.	
	Inoperable Control Board.	
Product dries out quickly.	Setpoint temperature is set too high.	Lower the Setpoint temperature.
	Incorrect wattage halogen bulb(s) being used.	Use only 100 watt halogen bulb(s).
	Water Tray(s) do not contain water or contain insufficient water (for units equipped with Water Trays only).	Add water to the Water Trays(s) and/or remove the Water Tray Diffuser(s).
Toaster glass is fogging up and/or has condensation.	Water Tray(s) contain too much water and/or the Water Tray Diffusers are not present (for units equipped with Water Trays only).	Remove excess water from the Water Tray(s) and/or install the Water Tray Diffuser(s).
Halogen Bulb(s) do not light up.	Bulb(s) burnt out.	Replace bulb(s)
	Bulb(s) not seated properly into spring loaded sockets.	Remove and reinstall bulb(s) so that the ends snap into the socket(s).
	Inoperable Resistor Assembly.	Contact your maintenance person or Authorized Service Agency for service.
	Loose, burnt, or broken wiring in Circuit.	
	Inoperable Bulb Sockets(s).	
Front Display Graphics does not light up.	Bulb(s) burnt out.	Replace Bulb(s).
	Loose, burnt, or broken wiring in circuit.	Contact your maintenance person or Authorized Service Agency for service.

# Replacement Parts DCH-100/120

## Parts list

(See Exploded diagram)

<b>Note</b>			
Use only genuine Antunes replacement parts in this unit. Use of parts other than those supplied by the manufacturer will void the warranty.			

Item No.	Part #	Description	Qty.
1	7000365	Front Glass Panel Assy	1
2	0021057	Inner Lamp Housing Weldment	1
3	0011107	Resistor Assy.	1
4	0503046	Housing, Lamp	1
5	0011102	Rear Door Assy. (Incl. #6, 7, 57, 58)	1
6	2110139	Hinge, Lift-Off	2
7	2100145	Knob, Cover	1
8	0503294	Crumb Tray (Some Models)	1
9	0503038	Water Tray (Some Models)	1
10	0502172	Heat Shield	1
11	0021315	Control Panel Weldment	1
12	7000346	Temperature Control Display, 150°F-165°F (66°C-74°C) DCH-100	1
	7000345	Temperature Control Display, 100°-165°F (38°-74°C), DCH-120	1
13	4010151	Rocker Switch, Power On/Off 120 VAC	1
14	7000645	Side Glass Replacement Kit	1
15	0503948	Heat Sink Assy.	2
16	4010199	Transformer, 120V/12V	1
17	7000652	Relay, Solid State	1
18	7000136	Terminal Block, 3-Pole (Incl. #47 & 60)	1
19	4060341	Terminal Block, 8-Pole	1
20	0504070	Retainer, Glass (See Note)	2
21	0011718	Top Cap Assy., LH** (See Note)	1
	0011717	Top Cap Assy., RH** (See Note)	1
22	0502866	Cover, Lamp Housing Bracket	1
23	0502865	Bracket, Lamp	1
25	0700463	Power Cord w/Plug, NEMA 5-15P (Mfg No. 9500500, 9500510, 9500512)	1
26	020K110	Gasket Kit, Bottom	1
27	0503990	Lamp, Bulkhead (Mfg# 9500512 Only)	1
	0503275	Lamp, Bulkhead	1
28	4060360	Candelabra Lamp Holder	4
30	4060359	Lamp, 120V, 10 Watt	4
31	0900216	Diffuser Panel (White)	1
32	2070120	Nipple, 1/8 NPT x 3/8	1
33	0900215	Display Panel (Clear)	1
34	0021056	Display Frame Weldment	1
	0021321	Display Frame Weldment (Mfg# 9500512 Only)	1

Item No.	Part #	Description	Qty.
35	0503033	Display Frame	1
36	0200202	Magnetic Strip	1
37	5040036	Base Hinge Assy.	1
38	4030305	Heating Element, 120V 1400 Watts	1
39	7000369	Thermistor Replacement Kit	1
40	0503037	Duct, Access Cover	1
42	4060252	Bulb, Quartz Halogen, 100 Watt	1
43	4060189	Bulb, Holder, Quartz	2
44	0800316	Guard, Lamp	1
45	0400251	Strain Relief w/ Locknut	1
47	306P101*	Nut, Hex, #6-32, SS	1
48	306P105*	Screw, #6-32 x 1/2, SS	1
49	306P130*	Nut, Hex, KEPS, #6-32	1
50	308P103*	Screw, #8-32 x 1/4	6
51	308P124*	Screw, #8-32 x 1/2, One-Way	1
52	308P127*	Screw, #8-32 x 5/16, SS	1
53	308P143*	Nut, Hex, KEPS, #8-32	1
54	308P144*	Screw, #8-32 x 1/4, #6 Head	2
55	308P159*	Thumbscrew, #8-32 x 11/32	1
56	310P146*	Nut, Hex, KEPS, #10-32	1
57	310P110*	Screw, #10-32 x 1/2, SS	4
58	310P123*	Screw, #10-24 x 1/2, SS	1
59	040P111*	Snap Bushing	2
60	306P123*	Screw, #6-32 x 7/8	2
61	308P151*	Screw, #8-32 x 5/16"	1
62	0503044	Diffuser, Water Tray (Some Models)	1
63	400K123	Blower Kit 120V (Some Models) Includes #66	1
64	0501946	Blower Grill (Some Models)	1
65	2180179	Side Glass Nylon Stopper (See Note)	2
66	7000174	Blower Cage Bearing/Grommet Kit	1
67	7000106	Display Rack (Optional)	

\*Only available in packages of 10.

\*\* LH/RH is determined by viewing front of curved glass panel.

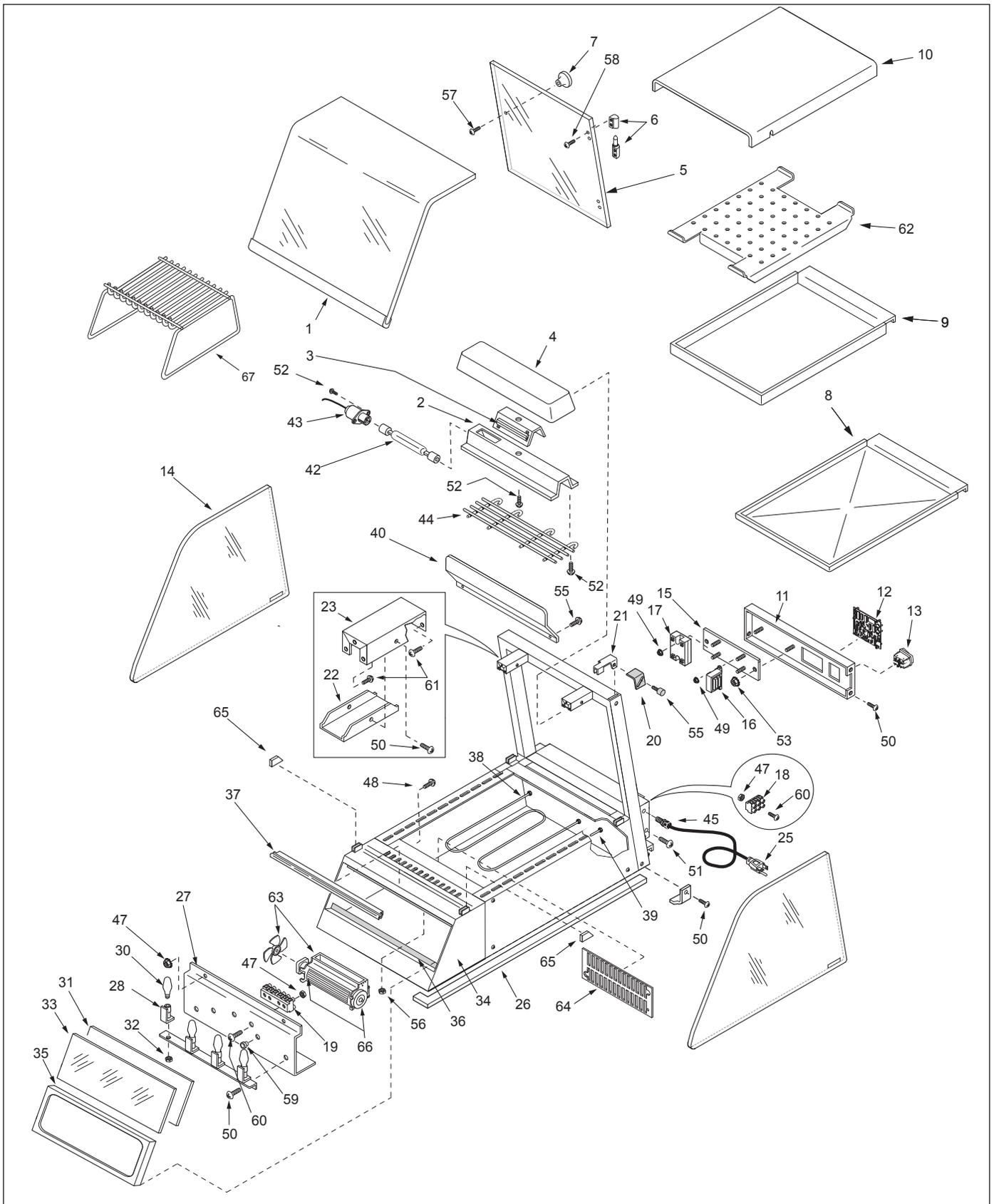
**NOTE 1:** If the existing 2 Top Glass Retainers (item #20) ARE NOT rubber coated, it is recommended that you replace them along with the 2 Top Cap Assemblies (item #21) with Glass Hardware Kit #7000368.

This kit consists of:

- 2 rubber coated Glass Retainers (P/N 0504070)
- 1 Top Cap Assembly (RH) (P/N 0011717)
- 1 Top Cap Assembly (LH) (P/N 0011718)
- 2 Nylon Slide Side Glass Stoppers (P/N 2180179)
- 2 Thumbscrews (P/N 3080159)
- Installation Instructions (P/N 1010828)

# Replacement Parts DCH-100/120

## Exploded Diagram



# Replacement Parts DCH-200/220

## Parts list

(See Exploded diagram)

<b>Note</b>							
Use only genuine Antunes replacement parts in this unit. Use of parts other than those supplied by the manufacturer will void the warranty.							
Item No.	Part #	Description	Qty. DCH-200 120V	Qty. DCH-220 120V	Qty. DCH-220 230V	Qty. DCH-220 Mfg. # 9500533	Qty. DCH-220 Mfg. # 9500734
1	7000366	Front Glass Panel Assy.	1	1	1	1	1
2	0020675	Inner Lamp Housing Weldment	1	1	1	1	1
3	0010706	Resistor Assy., 120V	1	1	-	-	-
	0010644	Resistor Assy., 220V	-	-	1	1	1
4	0502895	Housing, Lamp	-	-	1	1	1
5	9020459	Display Rack (Optional)	-	-	-	-	-
6	7000443	Sliding Door Assy., Clear Glass	1	1	1	1	1
	7000445	Sliding Door Assy., Mirrored, Glass (optional)	1	1	1	1	-
7	0501820	Support, Center Pan	1	1	1	1	1
9	0503293	Crumb Tray (some models)	-	-	-	-	1
10	0503283	Heat Shield	1	1	1	1	1
11	0021453	Control Panel Weldmen	1	1	1	1	1
12	7000346	Temperature Control Display, 150°F-165°F (66°C-74°C) DCH-200	1	-	-	-	-
	7000345	Temperature Control Display, 100°F-165°F (38°-74°C), DCH-220	-	1	1	1	1
13	4010151	Rocker Switch, Power On/Off (120V)	1	1	-	-	-
	4010137	Rocker Switch, Power On/Off (250V)	-	-	1	1	1
14	7000645	Side Glass Replacement Kit	2	2	2	2	-
15	0020702	Heat Sink Assy	1	1	1	1	-
	0024115	Heat Sink Assy	-	-	-	-	1
16	4010199	Transformer, 120V/12V	1	1	-	-	-
	4010187	Transformer, 240V/12V	-	-	1	1	-
	4010259	Transformer, 240V	-	-	-	-	1
17	7000652	Relay, Solid State.	1	1	1	1	1
18	7000136	Terminal Block, 3 Pole (incl. #50 & 67)	1	1	1	1	1
19	4060341	Terminal Block, 8 Pole	2	2	2	2	2
20	0504070	Retainer, Glass (see Note 1)	2	2	2	2	2
21	0011718	Top Cap Assy., LH** (see Note 1)	1	1	1	1	1
	0011717	Top Cap Assy., RH** (see Note 1)	1	1	1	1	1
22	2100183	Door Track, Upper	1	1	1	1	1
23	2100184	Door Track, Lower	1	1	1	1	1
24	0501946	Grill, Blower (some models)	1	1	-	-	-
25	0700451	Power Cord w/Plug, NEMA 5-20P 120V (Mfg No. 9500520, 9500530, 9500531, 9500532, 9500534, 9500535, 9500538 Only)	1	1	-	-	-
	0700453	Power Cord w/Plug, CEE 7/7 240V (Mfg No. 9500533, 9500536 Only)	-	-	1	1	-
	0700556	Power Cord Assembly UK (Mfg No. 9500537, 9500559 Only)	-	-	1	1	-
	0701139	Power Cord w/Plug, CEE 7/7 250V (Mfg No. 9500734 Only)	-	-	-	-	1
26	020K107	Gasket Kit, Bottom	1	1	1	1	1
27	0503291	Lamp, Bulkhead (some models)	1	1	-	-	-
	0503771	Lamp, Bulkhead (some models)	-	1	1	1	1
29	4060360	Lamp Holder	6	6	6	6	6
30	4060359	Lamp, 120 v/10 Watt	6	6	6	6	6
31	0900151	Diffuser Panel (white)	1	1	1	1	1
32	0900173	Transparency Holder	1	1	1	1	1
33	0900150	Display Panel (black outline) Optional	1	1***	-	-	-
	0900180	Display Panel (clear) Optional	-	1***	-	-	1
	0900244	Display Panel (blue outline)	-	1	1	1	1
34	0501797	Display Frame	1	1	1	1	1

Item No.	Part #	Description	Qty. DCH-200 120V	Qty. DCH-220 120V	Qty. DCH-220 230V	Qty. DCH-220 Mfg. # 9500533	Qty. DCH-220 Mfg. # 9500734
35	400K123	Blower Motor, 120 Volt (some models) Incl #69	1	1	-	-	-
	4000194	Blower Motor	-	-	-	1	-
36	0200154	Magnetic Strip	2	2	2	2	2
37	5040027	Base Hinge Assy.	1	1	1	1	1
38	4030324	Heating Element, 120V, 1400 Watts	1	1	-	-	-
	4030325	Heating Element, 230V, 1650 Watts	-	-	1	1	1
39	7000369	Thermistor Kit	1	1	1	1	1
40	0501806	Duct, Access Cover	1	-	-	-	-
41	0502555	Heat Deflector (some models)	1	-	-	-	-
42	4060252	Bulb, Quartz Halogen, 100 Watt	2	2	2	2	2
43	4060189	Bulb Holder, Quartz	4	4	4	4	4
44	0800224	Guard, Lamp	1	1	1	1	1
45	0502866	Cover, Lamp Housing Bracket	2	2	2	2	2
46	0502865	Bracket, Lamp Housing	2	2	2	2	2
48	0400251*	Strain Relief w/ Locknut	1	-	-	-	-
	0400354*	90° Strain Relief	-	1	1	1	1
50	306P101*	Nut, Hex, #6-32, SS	1	1	1	1	1
51	306P105*	Screw, #6-32 x 1/2, SS	1	1	1	1	1
52	306P130*	Nut, Hex, KEPS, #6-32	1	1	1	1	1
53	308P103*	Screw, #8-32 x 1/4	6	6	6	6	6
54	308P124*	Screw, #8-32 x 1/2, One-Way	1	1	1	1	1
55	308P127*	Screw, #8-32 x 5/16, SS	1	1	1	1	1
56	308P143*	Nut, Hex, KEPS, #8-32	1	1	1	1	1
57	308P144*	Screw, #8-32 x 1/4	2	2	2	2	2
58	308P159*	Thumbscrew, #8-32 x 11/32	1	1	1	1	1
59	310P146*	Nut, Hex, KEPS, #10-32	1	1	1	1	1
60	310P110*	Screw, #10-32 x 1/2, SS	4	4	4	4	4
61	310P123*	Screw, #10-24 x 1/2, SS	1	1	1	1	1
62	040P111*	Snap Bushing	2	2	2	2	2
63	308P105*	Screw, #8-32 x 1/2, SS	2	2	2	2	2
64	308P151*	Screw #8-32 x 5/16"	1	1	1	1	1
65	0503280	Diffuser, Water Tray (some models)	-	-	-	-	-
66	0503279	Water Tray (some models)	-	-	-	-	-
67	2180179	Side Glass Nylon Stopper	2	2	2	2	2
68	306P123*	Screw, #6-32 x 7/8"	1	1	1	1	1
69	7000174	Blower Cage Bearing/Grommet Kit	1	1	1	1	1
70	213K103	Full Size Pan 2-1/2" deep - Non-perforated (optional)	-	-	-	-	-
71	002K853	Pan Adapter Insert (optional) (accommodates two optional 4" deep full size pans)	-	-	-	-	-
	0021348	Pan Adapter Insert - Sloped Version (Optional)	-	-	-	-	-
* Only available in packages of 10							
** LH/RH is determined by viewing front of curved glass panel.							
*** Mfg. No. 9500535 is shipped with the 0900180 Display Panel and does not include the 0900150 Display Panel.							

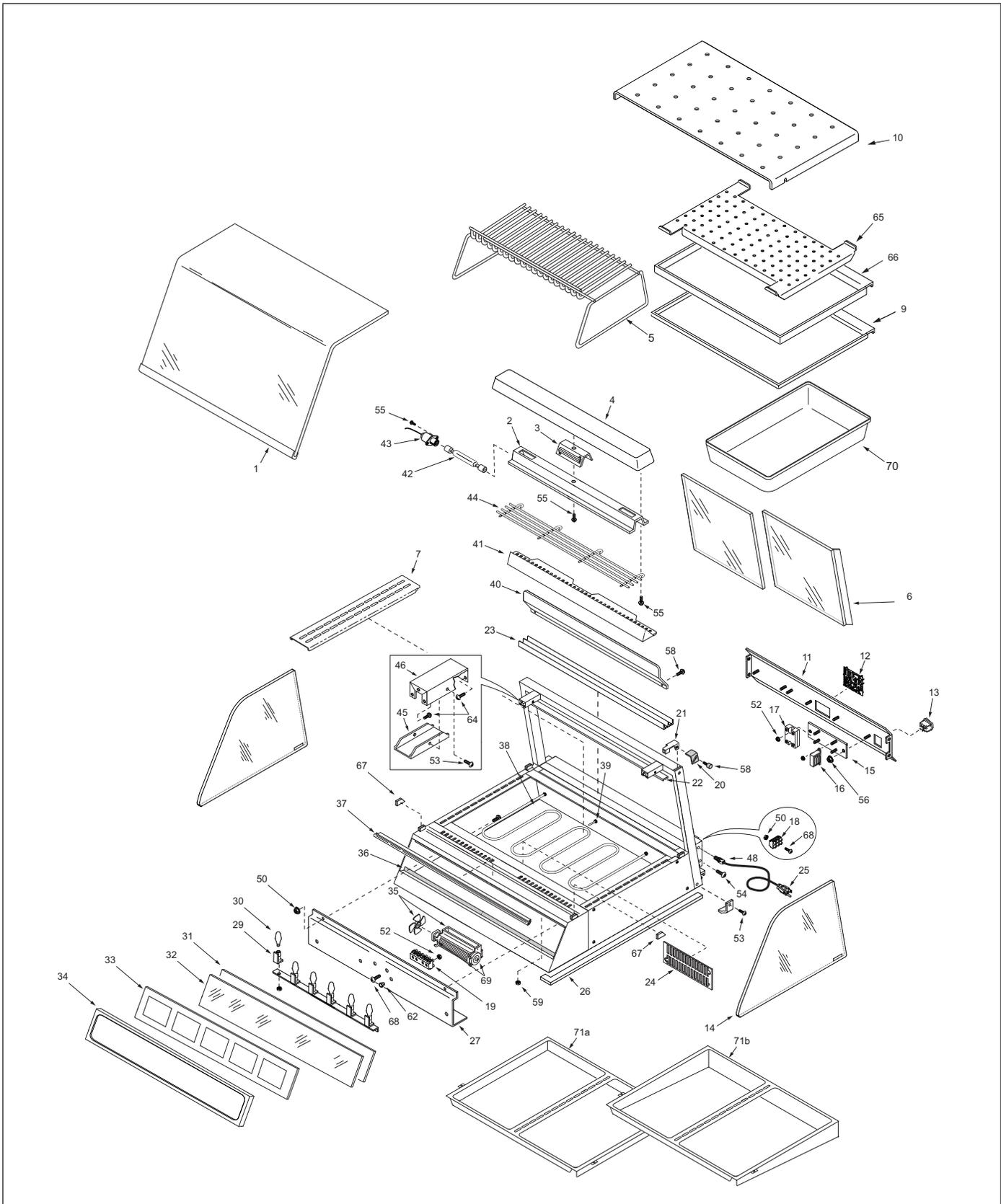
**NOTE 1:** If the existing 2 Top Glass Retainers (item #20) ARE NOT rubber coated, it is recommended that you replace them along with the 2 Top Cap Assemblies (item #21) with Glass Hardware Kit #7000368.

This kit consists of:

- 2 rubber coated Glass Retainers (P/N 0504070)
- 1 Top Cap Assembly (RH) (P/N 0011717)
- 1 Top Cap Assembly (LH) (P/N 0011718)
- 2 Nylon Slide Side Glass Stoppers (P/N 2180179)
- 2 Thumbscrews (P/N 3080159)
- Installation Instructions (P/N 1010828)

# Replacement Parts DCH-200/220

## Exploded Diagram



# Replacement Parts DCH-300/320

## Parts list

(See Exploded diagram)

<b>Note</b>	
Use only genuine Antunes replacement parts in this unit. Use of parts other than those supplied by the manufacturer will void the warranty.	

Item No.	Part #	Description	Qty.
1	7000367	Front Glass Assy.	1
2	0020676	Inner Lamp Housing Weldment	1
	0020675	Inner Lamp Housing Weldment Mfg. No. 9500553	1
3	0010706	Resistor Assembly - 120V	1
	0010644	Resistor Assembly - 230V	1
4	0502850	Housing, Lamp	2
	0502895	Housing, Lamp (Mfg. No. 9500553)	1
5	9020469	Display Rack (optional)	1
6	7000444	Sliding Door Assembly	2
	7000975	DCH Mirrored Doors Replacement Kit (Mfg. No. 9500551 ONLY)	2
7	0501869	Support, Center Pan	2
8	0504354	Crumb Tray Mfg No. 9500554 & 556 Only)	1
9	0501866	Water Tray (All Except for Mfg No. 9500554 & 556)	2
10	0502172	Shield, Heat	3
11	0021317	Control Panel Weldment	1
12	7000346	Temperature Control Display, 150°F-165°F (66°C-74°C)	1
	7000345	Temperature Control Display, 100°-165°F (38°-74°C)	1
13	4010151	Switch, Rocker 25A-125V	1
	4010137	Switch, Rocker 25A-250V	1
14	0900143	Glass, Side	2
15	0020702	Heat Sink Assy.	1
16	4010199	Transformer 120VAC/12VAC	1
	4010187	Transformer 230VAC/12VAC	1
17	7000652	Relay, Solid State	1
18	7000136	Terminal Block-3 Pole (Incl. #50 & 65)	1
19	4060341	Terminal Block-8 Pole	2
20	0504070	Glass Retainer ( <b>see Note 1</b> )	1
21	0011717	Top Cap Assembly** RH ( <b>see Note 1</b> )	1
	0011718	Top Cap Assembly** LH ( <b>see Note 1</b> )	1
22	2100185	Upper Door Track	1
23	2100186	Lower Door Track	1
24	0501946	Grill, Blower	1
25	0700451	Power Cord w/Plug, NEMA 5-20P 120V (Mfg No. 9500540, 9500550, 9500551, 9500554, 9500557 Only)	1
	0700556	BS-1365 - Fused Permaplug 16 Amp., 250 VAC (Mfg No. 9500537, 9500559 Only)	1
	0701139		1
26	020K108*	Gasket Kit, Bottom	1
27	0503976	Lamp, Bulkhead	1
29	4060360	Lampholder	8
30	4060359	Lamp, Night - 120V, 10 Watts	8
31	0900152	Display Panel (Black Outline)	1
	0900181	Display Panel (Clear) (Mfg. No. 9500556 and 9500557)	1

Item No.	Part #	Description	Qty.
32	0900174	Transparency Holder	1
33	0900153	Diffuser Panel (White)	1
34	0501860	Frame, Display	1
35	400K123	Motor, Blower 120V Incl. #71 (Except Mfg. No. 9500554 & 556)	2
	4000194	Blower Motor (Mfg. No. 9500553)	1
36	0200155	Magnetic Strip	2
37	5040028	Base Hinge Assy.	1
38	4030304	Heating Element, 120V, 500 Watts	3
	4030239	Heating Element 230 Volts 825 Watts	3
39	7000369	Thermistor Kit	1
40	0501865	Duct Access Cover	1
41	0502556	Deflector, Heat	1
42	4060252	Bulb-Quartz Halogen 100W	2
43	4060189	Bulbholder, Quartz	4
44	0800229	Guard, Lamp	1
	0800224	Guard, Lamp Mfg. No. 9500553	1
45	0502866	Cover, Lamp Bracket	2
46	0502865	Bracket, Lamp Housing	2
48	040K251	Strain Relief Kit. (DCH - 300 Only)	1
	0400354	°90° Strain Relief *(DCH-320 Only)	1
	040K315	Strain Relief Kit (Mfg. # 9500553)	1
50	306P101*	Nut, Hex, #6-32, SS	1
51	306P105*	Screw, #6-32 x 1/2, SS	1
52	306P130*	Nut, Hex, KEPS, #6-32	1
53	308P103*	Screw, #8-32 x 1/4	6
54	308P124*	Screw, #8-32 x 1/2	1
55	308P127*	Screw, #8-32 x 5/16, SS	1
56	308P143*	Nut, Hex, KEPS, #8-32	1
57	308P144*	Screw, #8-32 x 1/4, #6 Head	2
58	308P159*	Thumbscrew, #8-32 x 11/32	1
59	310P146*	Nut, Hex, KEPS, #10-32	1
60	310P110*	Screw, #10-32 x 1/2, SS	4
61	310P123*	Screw, #10-24 x 1/2, SS	1
62	040P111*	Snap Bushing	2
63	308P105*	Screw, #8-32 x 1/2, SS	2
64	308P151*	Screw, #8-32 x 5/16"	1
65	306P123*	Screw, #6-32 x 7/8"	1
66	2180179	Side Glass Nylon Stopper	1
67	0021478	Pan Adapter Insert (Optional) (Slope Version)	1
	002K897	Pan Adapter Insert (Optional) (Non-Slope Version)	1
69	0501966	Diffuser, Water Tray	2
70	213K103	Full size pan 2-1/2" Deep (Optional)	1
71	7000174	Blower Cage Bearing & Grommet Kit (Except Mfg. No. 9500554 & 556)	1

\* Only available in packages of 10

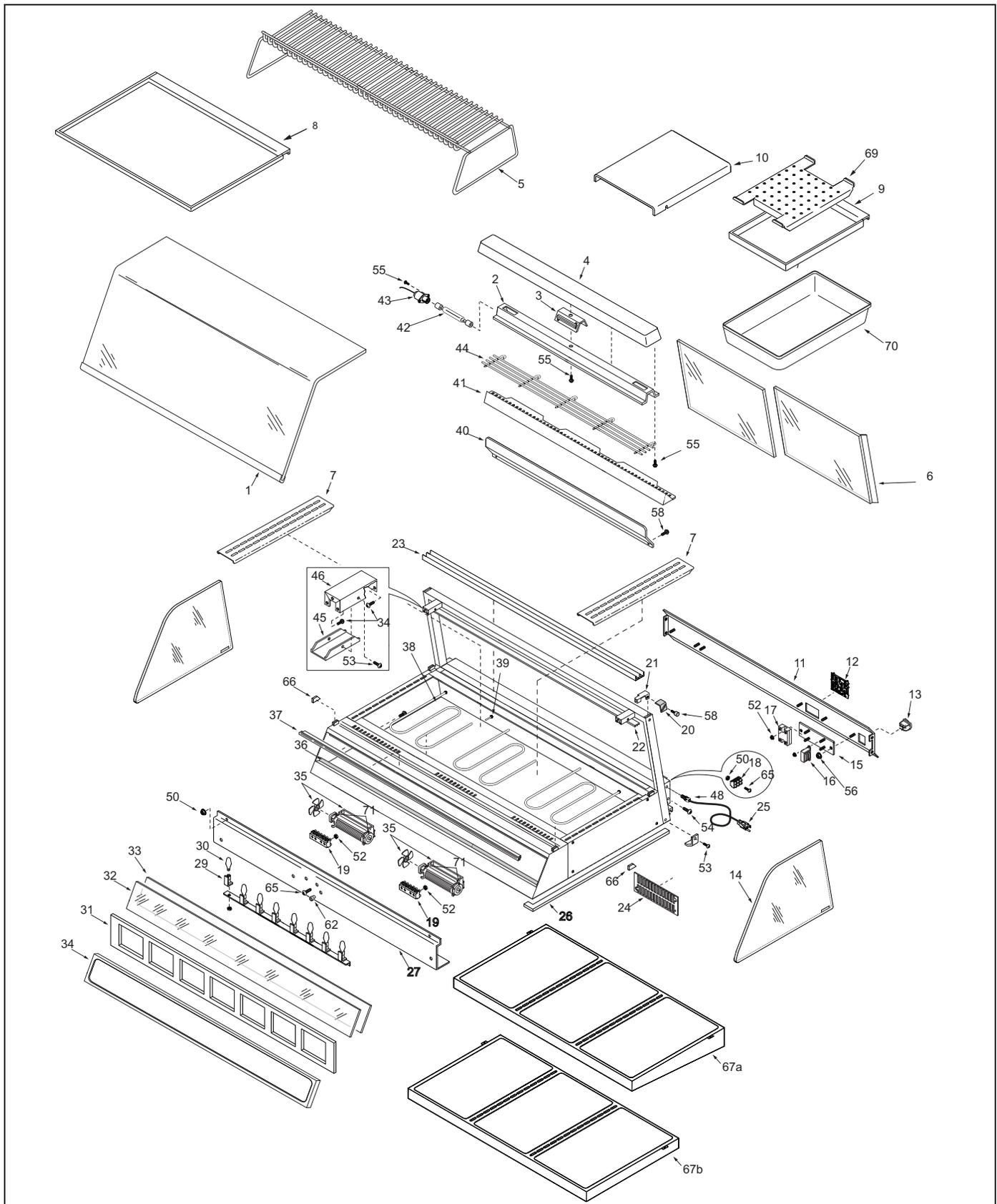
\*\* LH/RH is determined by viewing front of curved glass panel.

**NOTE 1:** If the existing 2 Top Glass Retainers (item #20) **ARE NOT** rubber coated, it is recommended that you replace them along with the 2 Top Cap Assemblies (item #21) with Glass Hardware Kit #7000368. This kit consists of:

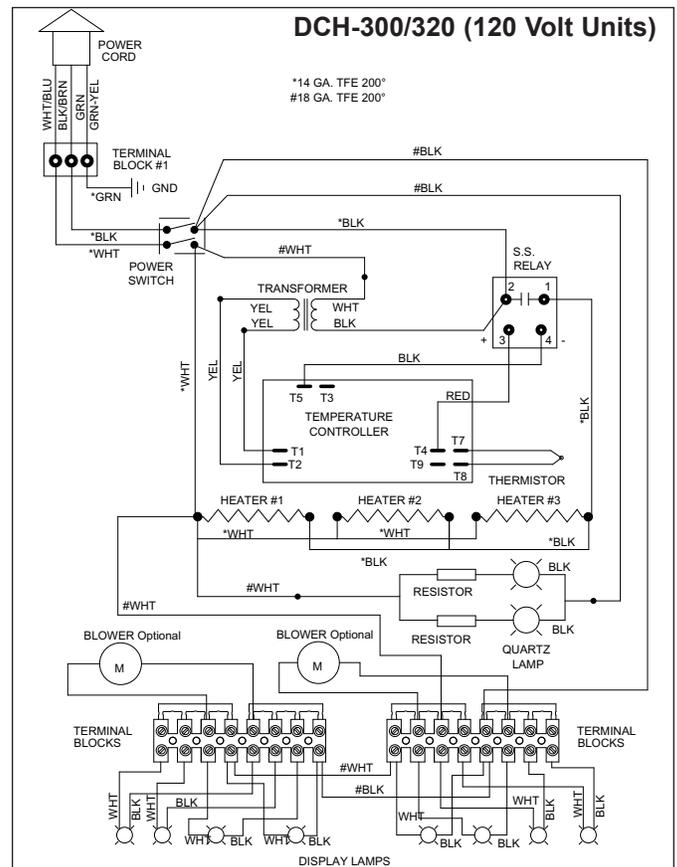
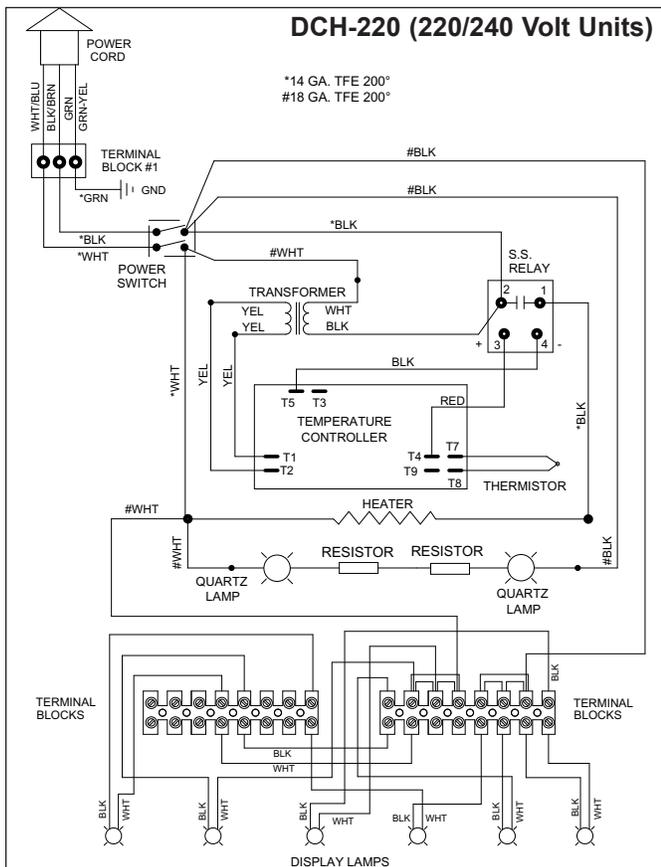
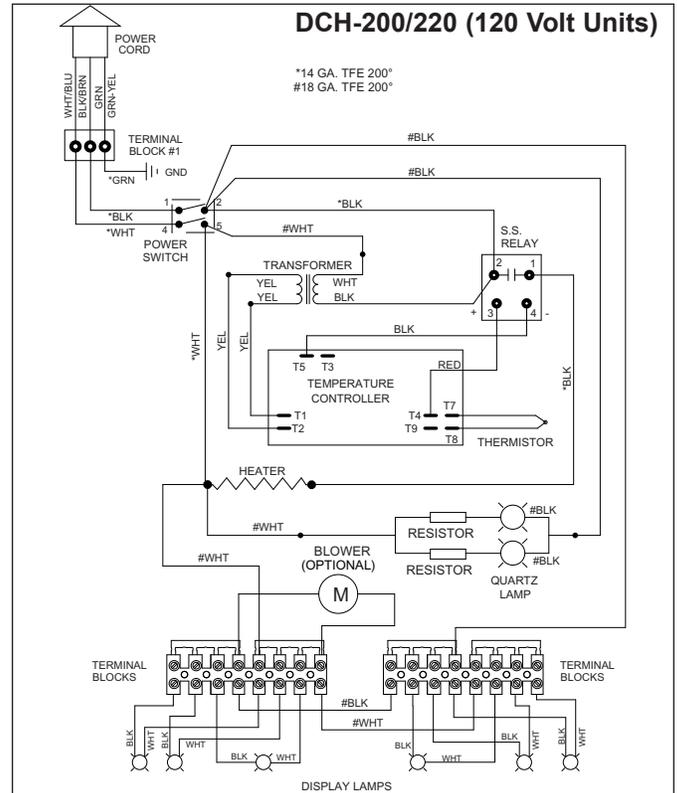
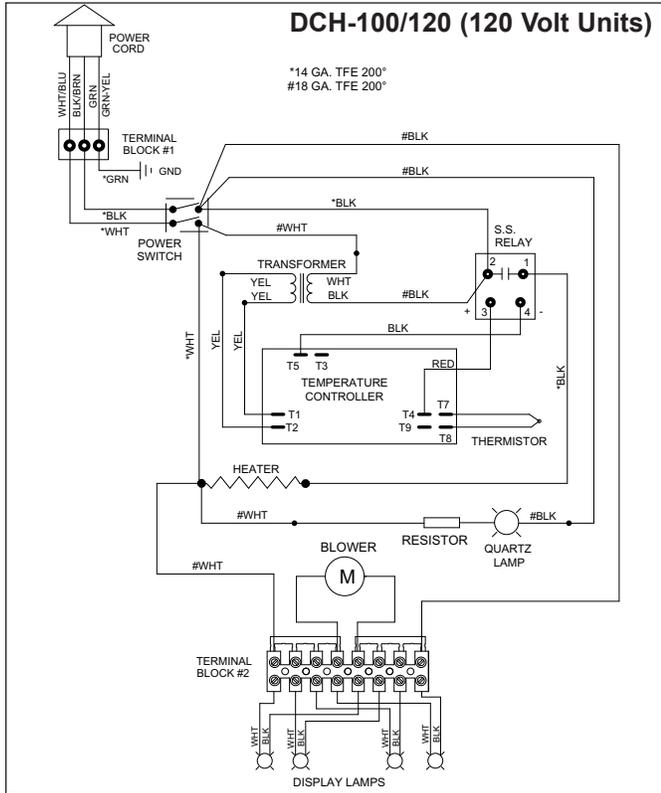
- 2 rubber coated Glass Retainers (P/N 0504070)
- 1 Top Cap Assembly (RH) (P/N 0011717)
- 1 Top Cap Assembly (LH) (P/N 0011718)
- 2 Nylon Slide Side Glass Stoppers (P/N 2180179)
- 2 Thumbscrews (P/N 3080159)
- Installation Instructions (P/N 1010828)

# Replacement Parts DCH-300/320

## Exploded Diagram



# Wiring Diagrams





## Limited Warranty

Equipment manufactured by Antunes has been constructed of the finest materials available and manufactured to high quality standards. These units are warranted to be free from mechanical and electrical defects for a period of one year from date of purchase or 18 months from shipment from factory, whichever occurs first, under normal use and service, and when installed in accordance with manufacturer's recommendations.

To insure continued proper operation of the units, follow the maintenance procedure outlined in the Owner's Manual.

1. This warranty does not cover cost of installation, defects caused by improper storage or handling prior to placing of the Equipment. This warranty does not include overtime charges or work done by unauthorized service agencies or personnel. This warranty does not cover normal maintenance, calibration, or regular adjustments as specified in operating and maintenance instructions of this manual, and/or labor involved in moving adjacent objects to gain access to the Equipment. This warranty does not cover consumable items such as gaskets and light bulbs, nor does it cover water contaminant problems such as foreign material in water lines or inside solenoid valves. It does not cover water pressure problems or failures resulting from improper/incorrect voltage supply.

For the first 90 (ninety) days after installation (in the U.S. ONLY), the unit will be repaired in-store (subject to the terms of the limited warranty) by our Authorized Service Agency at no charge for parts and non-overtime labor. Travel time and mileage charges in excess of 2 hours (100 miles roundtrip) from the nearest Authorized Service Agency is not covered under this warranty and is the responsibility of the end user.

2. Antunes reserves the right to make changes in design or add any improvements on any product. The right is always reserved to modify equipment because of factors beyond our control and government regulations. Changes to update equipment do not constitute a warranty charge.
3. If shipment is damaged in transit, the purchaser should make a claim directly upon the carrier. Careful inspection should be made of the shipment as soon as it arrives and visible damage should be noted upon the carrier's receipt. Damage should be reported to the carrier. This damage is not covered under this warranty.
4. Warranty charges do not include freight or foreign, excise, municipal or other sales or use taxes. All such freight and taxes are the responsibility of the purchaser.
5. this warranty is exclusive and is in lieu of all other warranties, expressed or implied, including any implied warranty or merchantability or fitness for a particular purpose, each of which is hereby expressly disclaimed. the remedies described above are exclusive and in no event shall ANTUNES be liable for special consequential or incidental damages for the breach or delay in performance of this warranty.

The warranty does not extend to:

- Damages caused in shipment or damage as result of improper use.
- Installation of electrical service.
- Installation, calibration, or adjustment.
- Normal maintenance outlined in this manual.
- Malfunction resulting from improper service or maintenance.
- Damage caused by improper installation, abuse, or careless handling.
- Damage from moisture getting into electrical components.
- Damage from tampering with, removal of, or changing any preset control or safety device.
- Damage caused by parts or components not provided by Antunes



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