

Cleaning, Operating, Maintenance Instructions, Parts List & Warranty



For Model BHS2 & BH4 Base Heaters



NOTE:
This equipment has been designed and manufactured to meet all applicable health and safety codes and will give years of dependable service if used properly. All carts should be thoroughly cleaned before using.



CAUTION

Cleansers, detergents, degreasers, sanitizers, or bleaching agents that contain chlorides or phosphates will cause permanent damage to stainless steel products. The damage appears as pits, eruptions, voids, small holes, cracks, severe discoloration, or dulling of the metal finish. Water with high chloride content can also damage stainless steel. If unsure of your water quality, we recommend you have it tested. **THIS DAMAGE IS PERMANENT, COSTLY TO REPAIR, AND IS NOT COVERED BY THE WARRANTY.**



WARNING

Turn off power, unplug cabinet and allow to cool before cleaning. The removable heater should not be exposed to direct contact with water or cleaning sprays. Permanent damage to the electrical components will result.

Cleaning Instructions

1. Dispenser tubes are easily removed without tools for cleaning. Simply lift up and pull out.
2. Vinyl trim should be washed with a chlorine-free detergent and water. Rinse thoroughly with clear water and allow to dry. Never use abrasive cleaners, waxes, car polish, or substances containing strong aromatic solvents or alcohol. Use of direct **steam/hot water** cleaning at temperatures above **190°F** may result in "bubbling" or loosening of vinyl adhesive.
3. To clean stainless steel surfaces use only cleansers, detergents, degreasers, or sanitizers that are certified to be "chloride-free" and "phosphate-free," and cleansers, degreasers, or sanitizers only in the recommended concentrations. **DO NOT** exceed recommended concentrations or mixing ratios. After cleaning and sanitizing, rinse all exposed surfaces thoroughly with large amounts of clean, clear water. Wipe off any standing liquid or residue from all surfaces, corners, or near edges.

RECOMMENDED "TIPS" FOR CLEANING STAINLESS STEEL

Purpose	Frequency	Cleaning Agent	Method of Application
Routine cleaning	Daily	Soap, ammonia detergent and water	Sponge with cloth, rinse with clear water and wipe dry.
Smears/fingerprints	As Needed	Stainless steel cleaner or similar products	Rub with cloth as directed on package. Rub in direction of grain of stainless steel. Do not use on vinyl trim.
Stubborn spots and stains	Daily As Needed	Any chloride-free or phosphate-free cleaner	Apply with damp sponge or cloth. Rub in direction of polish lines. Rinse thoroughly after use, especially if cleaner contains chlorine bleach. Do not use on vinyl trim.
Hard water spots	Daily As Needed	Vinegar	Swab with cloth. Rinse with water and wipe dry.



CAUTION: Do not use steel wool pads as they will result in rusting from the ferrous metal in the pads.

Safety Instructions

The space beneath the cabinet must be kept clear to permit unobstructed ventilation of the blower motor.

Inside surfaces of this unit can be extremely hot. Do not reach into the unit while it is in operation. Use of insulated gloves and base lifter are recommended.

Keep lids closed at all times except during loading and unloading. For best results only open one lid at a time.

Heater Operation

When the ON/OFF switch is on, the white pilot light will illuminate. This will remain on until the unit is turned off. The blower motor will operate at all times even though the unit is not calling for heat.

During the pre heat cycle, the red pilot light will illuminate. After initial pre-heat, the red pilot light will also illuminate whenever the unit is calling for heat. As the proper inside cabinet temperature is approached, the electronic proportioning thermostat will automatically "cycle" the heat elements to prevent temperature overshoot. This will be indicated by intermittent flashing of the red pilot light. Normal heat-up from ambient conditions are as follows:

	Preheat time of cart (loaded)	Preheat time of cart (unloaded)
250°F Units	90 Minutes	30 Minutes
310°F Units	150 Minutes	30 Minutes

Once proper operating temperature is achieved, the heat elements and red pilot light will turn off, coming on only to maintain proper internal temperatures.

Cabinet Operation

A LOADING

1. Make sure the power switch is turned off while loading the cart. Avoid contact with the hot surfaces.
2. Load to the black fill line on the dispenser tube.
3. After the cart is loaded, close the lids and turn the power switch on.

B HEATING

Heating is automatic and the temperature is factory preset. No temperature adjustment can be made by the operator. Wait until the bases are at correct temperature before using.

C DISPENSING

1. Open only one lid at a time while removing bases.
2. Remove bases one at a time using insulated gloves and base lifter.
3. After all the bases have been dispensed from one tube, close the lid and repeat the process for the next tube.
4. Be sure to turn off the cabinet when operations are complete for the day.

Maintenance Instructions

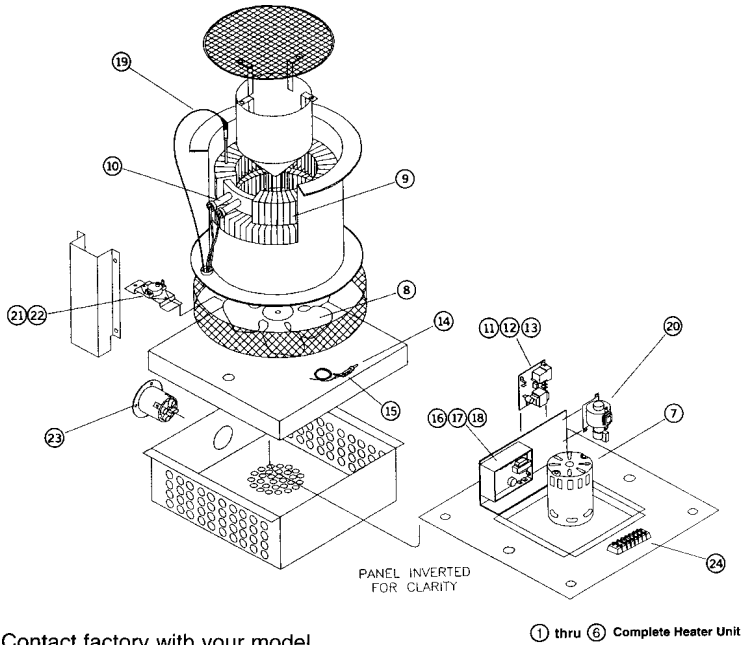
A CASTERS

Some casters are equipped with Zerk grease fitting so that they may be easily lubricated with a grease gun. Recommended lubrication is at least once every six months. Lubrication will be required more frequently if carts are cleaned with a hot water or steam cleaning system. Casters with special bearings are recommended for frequent cart wash or steam cleaning situations.

B PERIMETER BUMPERS

Vinyl which has been dislodged from the channel due to severe bumping or scraping can be pried back into place with a common screwdriver.

Replacement Parts



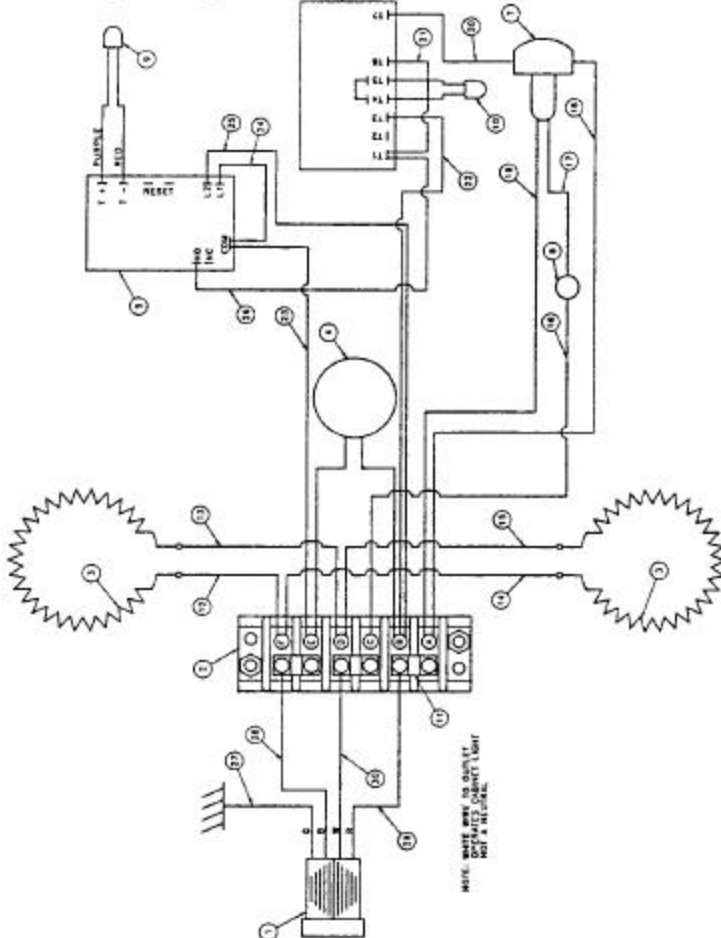
Contact factory with your model and serial number for replacement cabinet components.

BASE & DOME HEATERS

Item	Part Number	Description
1	27080-2029	Dome Heater 170°F
2	27080-3002	Dome Heater Rebuilt 170°F
3	27080-2030	Base Heater 250°F
4	27080-3003	Base Heater Rebuilt 250°F
5	27080-2028	Base Heater 310°F
6	27080-3004	Base Heater Rebuilt 310°F
7	18614-0302	Fan Motor 208 volts
8	18603-5011	Fan Blade
9	18612-0269	Heat Element 240 v, 1950w
10	18606-0901	Ceramic Insulator
11	18600-0023*	Controller Preset 170°F (Dome)
12	18600-0025*	Controller Preset 250°F (250 Base)
13	18600-0021*	Controller Preset 310°F (310 base)
14	18600-0022	Controller Rtd. Probe
15	16501-0281	Probe Clip
16	18600-0102*	Dome Safety Hi-Limit (Dome)
17	18600-0105*	Base Safety Hi-Limit (250 Base)
18	18600-0103*	Base Safety Hi-Limit (310 Base)
19	18600-0104	Safety Hi-Limit Probe Type-E
20	18602-0082	Mercury Relay
21	18600-0055*	Hi-Limit Thermostat (Dome)
22	18600-0054*	Hi-Limit Thermostat (250 & 310 Base)
23	18606-0649	L14-20P Flanged Inlet
24	18607-0010	Terminal Block
25	18617-0022	1/2" Plug Button
26	18617-0100	5/8" Snap Bushing
27	18617-0101	3/8" Snap Bushing
28	18617-0110	1/2" Snap Bushing
29	11000-1019	Wiring Schematic

NOTE: Items with * must be ordered according to heater type.

Wiring Diagram



Item	Part Number	Description	Qty.
1	18606-0649	Flanged Inlet	1
2	18607-0100	Terminal Block	1
3	18612-0269	Heat Element	2
4	18614-0303	Motor	1
5	18600-0105-BASE	Safety Hi-Limit	1
	18600-0102-DOME	Safety Hi-Limit	1
	18600-0103-WAX	Safety Hi-Umit	1
6	18600-0025-BASE	Control	1
	18600-0023-DOME	Control	1
	18600-0021 -WAX	Control	1
7	18602-0082	Relay	1
8	18600-0056-BASE	Hi-Limit	1
	18600-0055-DOME	Hi-Limit	1
	18600-0054-WAX	Hi-Limit	1
9	18600-0104	Thermocouple(e)	1
10	18600-0026-BASE	Thermistor Probe	1
	18600-0024-DOME	Thermistor Probe	1
	18600-0022-WAX	Thermistor Probe	1
11	18607-0140	Terminal Block Jumper	3
12	18604-0100	MICA Glass Wire 12GA	20.5
13	18604-0100	MICA Glass Wire 12GA	21.5
14	18604-0100	MICA Glass Wire 12GA	17.5
15	18604-0100	MICA Glass Wire 12GA	18.5
16	18604-0100	MICA Glass Wire 12GA	17
17	18604-0100	MICA Glass Wire 12GA	15
18	18604-0026	Teflon Wire 16GA BLK	11
19	18604-0100	MICA Glass Wire 12GA	11.5
20	18604-0026	Teflon Wire 16GA BLK	4.5
21	18604-0025	Teflon Wire 16GA WHT	5
22	18604-0041	Teflon Wire 16GA RED	15
23	18604-0026	Teflon Wire 16GA BLK	12
24	18604-0026	Teflon Wire 16GA BLK	3.5
25	18604-0041	Teflon Wire 16GA RED	11
26	18604-0025	Teflon Wire 16GA WHT	8.5
27	18604-0007	Teflon Wire 16GA GRN	6.5
28	18604-0005	Teflon Wire 16GA BLK	6.5
29	18604-0006	Teflon Wire 16GA RED	6.5
30	18604-0005	Teflon Wire 16GA WHT	6.5

Carter-Hoffmann Corporation Warranty:

Carter-Hoffmann Corporation ("CARTER-HOFFMANN") warrants to the initial purchaser of its standard Carter Line Products that CARTER-HOFFMANN will, at its option, repair or replace, during the warranty period set forth below, any part of such products made necessary due to a defect in material or workmanship which is present when the product leaves its factory and which manifests itself during the warranty period under normal use and service.

*This warranty applies only to original equipment owned and possessed by the initial purchaser and the warranty period begins on the date of original shipment from the CARTER-HOFFMANN factory and extends as follows: **to electrical and refrigeration components for one year; to electrical and refrigeration labor for 120 days; to refrigeration compressor unit for 1 year** (limited to replacement of the unit only—not to include labor for removal, repair or replacement), **and to all other component parts and labor for 12 months.***

Repair or replacements under this warranty will be performed, unless otherwise authorized in writing by CARTER-HOFFMANN, at its factory. All parts or components to be repaired or replaced under this warranty are to be shipped prepaid to CARTER-HOFFMANN, with reimbursement credit for such part or component to be given if found by CARTER-HOFFMANN to be defective.

CARTER-HOFFMANN neither makes nor assumes and does not authorize any other person to make or assume any obligation or liability in connection with its products other than that covered in this warranty. This warranty applies only within the continental United States and Canada. In Alaska and Hawaii, this warranty applies only to and is limited to the supply of replacement parts.

Any implied warranty of merchantability or fitness for a particular purpose is hereby specifically disclaimed by Carter-Hoffmann Corporation. There are no warranties, expressed or implied, which extend beyond the description on the face here of.

This warranty does not cover and CARTER-HOFFMANN shall not under any circumstances be liable for any incidental, consequential or other damages (such as injury to persons or property, loss of time, inconvenience, loss of use, loss of business or profits, or other matters not specifically covered) arising in connection with the use of, inability to use, or failure of these products.

Specifications subject to change through product improvement and innovation.

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