

Hot Food Holding Cabinet, Electric





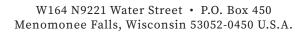
Model: 500-PH/GD

INSTALLATION

• OPERATION

HALOHEAT

• MAINTENANCE



PHONE: 262.251.3800 • 800.558.8744 U.S.A. / CANADA FAX: 262.251.7067 • 800.329.8744 U.S.A. ONLY www.alto-shaam.com





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Wire Diagrams

Always refer to the wire diagram(s) included with the unit for most current version.

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Transportation Damage and Claims	Back Cover
Limited Warranty	Back Cover



Delivery

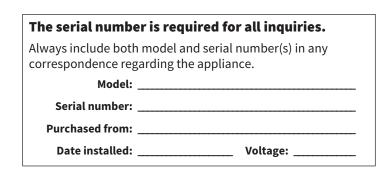
This Alto-Shaam appliance has been thoroughly tested and inspected to ensure only the highest quality unit is provided. Upon receipt, check for any possible shipping damage and report it at once to the delivering carrier. **See Transportation Damage and Claims section located in this manual.**

This appliance, complete with unattached items and accessories, may be delivered in one or more packages. Ensure all standard items and options have been received with each model as ordered.

Save all the information packed with the appliance. Register online at www.alto-shaam.com to ensure prompt service in the event of a warranty parts and labor claim.

This manual must be read and understood by all people using or installing the equipment model. Contact the Alto-Shaam Tech Team Service Department if you have any questions concerning installation, operation, or maintenance.

1-800-558-8744; servicedept@alto-shaam.com



Unpacking

- Carefully remove the appliance from the carton or crate.
 - **NOTICE:** Do not discard the carton and other packaging material until you have inspected the unit for hidden damage and tested it for proper operation.



- Read all instructions in this manual carefully before installing this appliance, using the appliance or performing routine maintenance. Following procedures other than those indicated in this guide to use and clean the appliance is considered inappropriate and may cause damage, injury or fatal accidents, in addition to invalidating the guarantee and relieving Alto-Shaam of all liability.
- Do not discard this manual.
 This manual is considered part of the appliance and is provided for the owner or manager of the business and for training personnel. Additional manuals are available from the Alto-Shaam
 Tech Team Service Department.
- Remove all protective plastic film, packaging materials, and accessories from the appliance before connecting electrical power. Store any accessories in a convenient place for future use.



Appliance and accessories may be heavy. To prevent serious injury, **always** use a sufficient number of trained and experienced workers when moving or leveling appliance and handling accessories.

ENVIRONMENTAL CONDITIONS

- Operational Environmental Conditions
- Unit must acclimate to room temperature in the environment it is placed. 24 hours is recommended.
- Ambient temperature range of 60°F to 110°F (16°C to 43°C).
- Relative humidity of less than 95% non-condensation.
- Atmospheric pressure range of 50KPa to 106KPa.

SAFETY PROCEDURES AND PRECAUTIONS

- This appliance is intended to hold foods for the purpose of human consumption. No other use for this appliance is authorized or recommended.
- This appliance is intended for use in commercial establishments where all operators are familiar with the purpose, limitations, and associated hazards of this appliance. Operating instructions and warnings must be read and understood by all operators and users. We recommend regular training of your staff to avoid the risk of accident or damage to the unit. Operators must also receive regular safety instructions.
- Any trouble shooting guides, component views, and parts lists included in this manual are for general reference only and are intended for use by qualified and trained technicians.
- This manual should be considered a permanent part of this appliance. This manual and all supplied instructions, diagrams, schematics, parts lists, notices, and labels must remain with the appliance if the item is sold or moved to another location.

Knowledge of proper procedures is essential to the safe operation of electrically and/or gas energized equipment. The following hazard signal words and symbols may be used throughout this manual.

DANGER



Used to indicate the presence of a hazard that WILL cause severe personal injury, death, or substantial property damage if the warning included with this symbol is ignored.

WARNING



Used to indicate the presence of a hazard that CAN cause personal injury, possible death, or major property damage if the warning included with this symbol is ignored.

CAUTION



Used to indicate the presence of a hazard that can or will cause minor or moderate personal injury or property damage if the warning included with this symbol is ignored.

CAUTION

Used to indicate the presence of a hazard that can or will cause minor personal injury, property damage, or a potential unsafe practice if the warning included with this symbol is ignored.

NOTICE: Used to notify personnel of installation, operation, or maintenance information that is important but not hazard related.



Used to indicate that referral to operating instructions is a mandatory action. If not followed the operator could suffer personal injury.

Used to indicate that referral to operating instructions is recommended to understand operation of equipment.

NOTICE: For appliances delivered for use in any location regulated by the following directive (2012/19/EU -WEEE):

Do not dispose of electrical or electronic appliances with other municipal waste.

INSTALLATION

SITE INSTALLATION

Improper installation, alteration, adjustment, service, cleaning, or maintenance could result in property damage, severe injury, or death.

Read and understand the installation, operating and maintenance instructions thoroughly before installing, servicing, or operating this equipment.



Appliance and accessories may be heavy. To prevent serious injury, **always** use a sufficient number of trained and experienced workers when moving or leveling appliance and handling accessories.



To prevent **personal injury** or **property damage**:

Always use hand protection when operating this appliance to avoid burns. Metal parts of this equipment become extremely hot when in operation.

SITE INSTALLATION

In order to maintain standards established by the National Sanitation Foundation, all stationary counter-mounted equipment must be secured flush

to the counter and the entire base sealed to the counter with NSF approved sealant or equipped with 4" (102mm) legs to provide minimum unobstructed space beneath the unit. Warranty will become null and void if these directions are not followed.

- 1. The appliance must be installed on a stable and level surface.
- **2. DO NOT** install this appliance in any area where it may be affected by any adverse conditions such as steam, grease, dripping water, high temperatures, or any other severely adverse conditions.
- **3. DO NOT** install a heated display case near a cold air source such as a freezer, air conditioning vents, or in any area where outside air fluctuation can

affect performance.

4. This appliance must be kept free and clear of any obstructions blocking access for maintenance or service.

LEVELING



Level the appliance

from side-to-side and frontto-back with the use of a spirit level.

We recommend checking the level periodically to make certain the floor has not shifted nor the appliance moved.

NOTE: Failure to properly level this appliance can cause improper function.

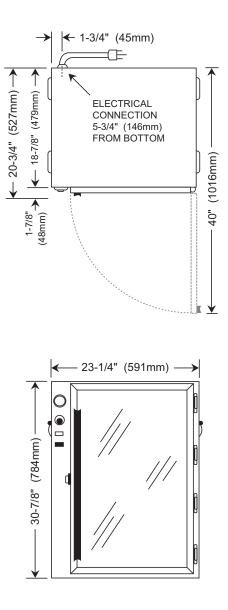
CLEARANCE REQUIREMENTS					
BACK	3" (76mm)				
ТОР	2" (51mm)				
EACH SIDE	1" (25mm)				

WEIGH	т			
NET	76 lb (34kg)			
SHIP	132 lb (60kg)			
CARTON DIMENSIONS: (L X W X H)				
32" x 32" x 41" (813mm x 813mm x 1041mm)				

INSTALLATION

SITE INSTALLATION

Outside Dimensions



OPTIONS & ACCESSORIES	
Caster Stand Assembly	15633
Leg Stand Assembly	15634
Shelf, Chrome plate, Wire	SH-2102
Solid door factory installation only	15248

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INSTALLATION

ELECTRICAL INSTALLATION

The appliance must be installed by a qualified service technician. The oven must be properly grounded in accordance with the National Electrical Code and applicable local codes.

To prevent serious injury, death, or property damage:

All electrical connections must be made by a qualified and trained service technician in accordance with applicable electrical codes.

This appliance must be adequately grounded in accordance with local electrical codes or, in the absence of local codes, with the current edition of the National Electrical Code ANSI/NFPA No. 70. In Canada, all electrical connections are to be made in accordance with CSA C22.1, Canadian Electrical Code Part 1 or local codes.

CE-approved appliances include an equipotential-bonding terminal marked with the symbol shown on the left. Provisions for earthing are to be made in accordance with IEC:2010 60335-1 section 27 or local codes.

Plug the unit into a properly grounded receptacle ONLY, positioning the unit so that the plug is easily accessible in case of an emergency. Arcing will occur when connecting or disconnecting the unit unless all controls are in the "OFF" position.

Proper receptacle or outlet configuration or permanent wiring for this unit must be installed by a licensed electrician in accordance with applicable local electrical codes.

REGARDING INTERNATIONAL STANDARD UNITS:

If the unit is not equipped with flexible cord with plug, an all-pole country approved disconnection device which has a contact separation of at least 3mm in all poles must be incorporated in the fixed wiring for disconnection. When using a cord without a plug, the green/yellow conductor shall be connected to the terminal which is marked with the ground symbol. If a plug is used, the socket outlet must be easily accessible. If the power cord needs replacement, use a similar one obtained from the distributor.

WARNING



To prevent SERIOUS INJURY, DEATH or PROPERTY DAMAGE:

All electrical connections must be made by a qualified and trained service technician in accordance with applicable electrical codes.

<u>A</u> CAUTION



Power source must match voltage identified on appliance rating tag. The rating tag provides essential technical information required for any appliance installation, maintenance or repairs. Do not remove, damage or modify the rating tag.

Hard wired models

Hard wired models must be equipped with a country certified external allpole disconnection switch with sufficient contact separation. Hard wired models that are mounted on casters must have a strain relief device (tether) to prevent strain on the power supply cord. If a power cord is used for the connection of the product an oil resistant cord like H05RN or H07RN or equivalent must be used.

NOTICE: Where local codes and CE regulatory requirements apply, appliances must be connected to an electrical circuit that is protected by an external GFCI outlet.

ELECTR	ICAL				
v	Рн	Hz	Α	kW	
125	1	50/60	8.3	1.00	NEMA 5-15P, 15A-125V plug
					 NEMA 6-15P, 15A-250V plug (USA only)
230	1	50/60	4.3	1.00	CEE 7/7, 220-230V plug

Wire diagrams are included in the literature package supplied with the unit.

USER SAFETY INFORMATION

This appliance is intended for use in commercial establishments where all operators are familiar with the purpose, limitations, and associated hazards of this appliance. Operating instructions and warnings must be read and understood by all operators and users.

Before Initial Use:

Clean appliance with a clean, damp cloth and mild soap solution. Glass cleaner or distilled vinegar can be used on the glass. Clean and install the cabinet wire shelves.

1. Make sure the unit is connected to the appropriate power source.

2. Turn thermostat to 200°F (93°C) and preheat for 30 minutes.

When the thermostat is turned clockwise to an "ON" position, the indicator light will illuminate and will remain lit as long as the unit is calling for heat.

The indicator light will go OUT when the air temperature inside the unit reaches the temperature set by the operator. It will then cycle "ON/OFF" at this holding point. Verify the full preheated temperature with the holding temperature gauge located on the control panel of the cabinet.

3. Load the cabinet with hot food only.

The purpose of the holding cabinet is to maintain hot food at proper serving temperature. Only hot food should be placed into the cabinet. Before loading the cabinet with food, use a food thermometer to make certain all products are at an internal temperature range of 140° to 160°F (60° to 71°C). Any food product not within the proper temperature range should be heated before loading into the holding cabinet.

4. Reset the thermostat to 160°F (71°C).

Check to make certain the cabinet door is securely closed, and reset the thermostat to $160^{\circ}F$ (71°C). THIS WILL NOT NECESSARILY BE THE FINAL SETTING. The proper temperature range for the products being held will depend on the type and quantity of product. When holding food for prolonged periods, it is advisable to periodically check the internal temperature of each item with a food thermometer to assure maintenance of the proper temperature range of 140° to $160^{\circ}F$ (60° to $71^{\circ}C$).

- Use hand protection when handling hot items.
- Be certain only hot foods are placed into the cabinet.
- To avoid personal injury and damage to the unit, treat glass with care.
- Remember -- glass can shatter.

HEATING CHARACTERISTICS

The cabinet is equipped with a special, low heat density, heating cable. Through the Halo Heat concept, the heating cable is mounted against the walls of the warming compartment to provide an evenly applied, thermostat controlled, heat source. The design and operational characteristics of the cabinet eliminate the need for a moisture pan or a heat circulating fan. Through even heat application, the quality of a food product is maintained up to several hours.

ACAUTION

SSS Alw

To prevent **personal injury** or **property damage**:

Always use hand protection when operating this appliance to avoid burns.

PRODUCT CAPACITY

MAXIMUM: Thirteen (13) 16" (406mm) Pizzas MAXIMUM WEIGHT EACH PIZZA: 2 lbs. (,9kg)

OPERATION

GENERAL HOLDING GUIDELINES

Chefs, cooks and other specialized food service personnel employ varied methods of cooking. Proper holding temperatures for a specific food product must be based on the moisture content of the product, product density, volume, and proper serving temperatures. Safe holding temperatures must also be correlated with palatability in determining the length of holding time for a specific product.

Halo Heat maintains the maximum amount of product moisture content without the addition of water, water vapor, or steam. Maintaining maximum natural product moisture preserves the natural flavor of the product and provides a more genuine taste. In addition to product moisture retention, the gentle properties of Halo Heat maintain a consistent temperature throughout the cabinet without the necessity of a heat distribution fan, thereby preventing further moisture loss due to evaporation or dehydration.

When product is removed from a high temperature cooking environment for immediate transfer into equipment with the lower temperature required for hot food holding, condensation can form on the outside of the product and on the inside

of plastic containers used in self-service applications. Allowing the product to release the initial steam and heat produced by high temperature cooking can alleviate this condition. To preserve the safety and quality of freshly cooked foods however, a maximum of 1 to 2 minutes must be the only time period allowed for the initial heat to be released from the product.

This unit is equipped with a thermostat control between 60° and 200°F (16° and 93°C). If the unit is equipped with vents, close the vents for moist holding and open the vents for crisp holding. Use a metal-stemmed thermometer to measure the internal temperature of the product being held. Adjust the thermostat setting to achieve the best overall setting based on internal product temperature.

Holding Temperature Range					
Meat Fahrenheit Celsius					
Beef Roast — Rare	130°F	54°C			
Beef Roast — Med/Well Done	155°F	68°C			
Beef Brisket	160°F-175°F	71°C–79°C			
Corn Beef	160°F–175°F	71°C–79°C			
Pastrami	160°F–175°F	71°C–79°C			
Prime Rib — Rare	130°F	54°C			
Steaks — Broiled/Fried	140°F-160°F	60°C-71°C			
Ribs — Beef Or Pork	160°F	71°C			
Veal	160°F–175°F	71°C–79°C			
Ham	160°F–175°F	71°C–79°C			
Pork	160°F–175°F	71°C–79°C			
Lamb	160°F–175°F	71°C–79°C			
Poultry		-			
Chicken — Fried/Baked	160°F–175°F	71°C–79°C			
Duck	160°F–175°F	71°C–79°C			
Turkey	160°F–175°F	71°C–79°C			
General	160°F–175°F	71°C–79°C			
Fish/Seafood	•				
Fish — Baked/Fried	160°F–175°F	71°C-79°C			
Lobster	160°F-175°F	71°C–79°C			
Shrimp — Fried	160°F-175°F	71°C–79°C			
Baked Goods					
Breads/Rolls	120°F-140°F	49°C-60°C			
Miscellaneous					
Casseroles	160°F–175°F	71°C-79°C			
Dough — Proofing	80°F-100°F	27°C-38°C			
Eggs — Fried	150°F–160°F	66°C-71°C			
Frozen Entrees	160°F-175°F	71°C-79°C			
Hors d'oeuvres	160°F-180°F	71°C-82°C			
Pasta	160°F-180°F	71°C-82°C			
Pizza	160°F-180°F	71°C-82°C			
Potatoes	180°F	82°C			
Plated Meals	140°F–165°F	60°C-74°C			
Sauces	140°F-200°F	60°C-93°C			
Soup	140°F-200°F	60°C-93°C			
Vegetables	160°F–175°F	71°C–79°C			
The holding temperatures listed are suggested guidelines only. All food holding should be based on internal product temperatures. Always follow local health (hygiene)					

temperatures. Always follow local health (hygiene) regulations for all internal temperature requirements.

CARE AND CLEANING

Protecting Stainless Steel Surfaces



It is important to guard against corrosion in the care of stainless steel surfaces. Harsh, corrosive, or inappropriate chemicals can completely destroy the protective surface layer of stainless steel. Abrasive pads, steel wool, or metal implements

will abrade surfaces causing damage to this protective coating and will eventually result in areas of corrosion. Even water, particularly hard water that contains high to moderate concentrations of chloride, will cause oxidation and pitting that result in rust and corrosion. In addition, many acidic foods spilled and left to remain on metal surfaces are contributing factors that will corrode surfaces.

Proper cleaning agents, materials, and methods are vital to maintaining the appearance and life of this appliance. Spilled foods should be removed and the area wiped as soon as possible but at the very least, a minimum of once per day. Always thoroughly rinse surfaces after using a cleaning agent and wipe standing water as quickly as possible after rinsing.

Cleaning Agents

Use non-abrasive cleaning products designed for use on stainless steel surfaces. Cleaning agents must be chloride-free compounds and must not contain quaternary salts. Never use hydrochloric acid (muriatic acid) on stainless steel surfaces. Failure to observe this precaution will void the warranty. Always use the proper cleaning agent at the manufacturer's recommended strength. Contact your local cleaning supplier for product recommendations.

Cleaning Materials

Cleaning can usually be accomplished with the proper cleaning agent and a soft, clean cloth. When more aggressive methods are needed, use a nonabrasive scouring pad on difficult areas and make certain to scrub with the visible grain of surface metal to avoid surface scratches. Never use wire brushes, metal scouring pads, or scrapers to remove food residue. Failure to observe this precaution will void the warranty.



NOTICE

To protect stainless steel surfaces, completely avoid the use of abrasive cleaning compounds, chloride based cleaners, or cleaners containing guaternary salts. Never use hydrochloric acid (muriatic acid) on stainless steel. **Never** use wire brushes, metal scouring pads or scrapers.

To prevent serious personal injury, death, or property damage:

The appliance must be cleaned thoroughly to avoid deposits of grease and or food residue inside the appliance that may catch fire. If fat deposits and/or food waste inside the appliance ignite, shut down the appliance immediately and keep the appliance door closed to extinguish the fire. If further extinguishing is required, disconnect the appliance from the main power and call the fire department. Failure to clean the appliance properly voids the warranty and relieves Alto-Shaam of all liability.

CARE AND CLEANING



The cleanliness and appearance of this equipment will contribute considerably to operating efficiency and savory, appetizing food. Good equipment that is kept clean works better and lasts longer.

CLEAN THE HOLDING CABINET DAILY:

- 1. Disconnect unit from power source, and let cool.
- 2. Remove shelves. Clean shelves separately with a good grease solvent or commercial detergent. Rinse well and dry.
- 3. Clean interior metal surfaces of the unit with a damp, clean cloth and any good commercial detergent or grease solvent at the recommended strength. Spray heavily soiled areas with a water soluble degreaser and let stand for 10 minutes, then remove soil with a plastic



scouring pad. Rinse by wiping with a Sponge and clean warm water to remove all residue. Remove excess water with sponge and wipe dry with a clean cloth or air dry. Replace side racks and shelves.

NOTE: Avoid the use of abrasive cleaning, compounds, chloride based cleaners, or cleaners containing quaternary salts. Never use hydrochloric acid (muriatic acid) on stainless steel.

- Clean control panel, door handles, and door gaskets thoroughly since these areas harbor food debris. Rinse by wiping with sponge and clean warm water. Wipe dry with a clean cloth.
- 5. Interior can be wiped with a sanitizing solution after cleaning and rinsing. This solution must be approved for use on stainless steel food contact surfaces.
- 6. To help maintain the protective film coating on polished stainless steel, clean the exterior of the unit with a cleaner recommended for stainless steel surfaces. Spray the cleaning agent on a clean cloth and wipe with the grain of the stainless steel.

Always follow appropriate state or local health (hygiene) regulations regarding all applicable cleaning and sanitation requirements for foodservice equipment.

To prevent serious injury, death, or property damage, **always** disconnect the appliance from the power source before cleaning or servicing.

To prevent serious personal injury, death, or property damage:

Do not steam clean, hose down or flood the interior or exterior with water or liquid solution of any kind. **Do not** use water jet to clean. Failure to observe this precaution will void the warranty.

SANITATION

Food flavor and aroma are usually so closely related that it is difficult, if not impossible, to separate them. There is also an important, inseparable relationship between cleanliness and food flavor. Cleanliness, operating efficiency, and appearance of equipment contribute considerably to savory, appetizing foods.

Most food imparts its own particular aroma and many foods also absorb existing odors. Unfortunately, during this absorption there is not a distinction between good and bad odors. The majority of objectionable flavors and odors troubling food service operations are caused by bacteria growth. Sourness, rancidity, mustiness, stale or other undesireable flavors are usually the result of germ activity.

The easiest way to ensure full, natural food flavor is through comprehensive cleanliness. This means good control of both visible soil (dirt) and invisible soil (germs). A thorough approach to sanitation will provide essential cleanliness. It will ensure an attractive appearance of equipment, along with maximum efficiency and utility. More importantly, a good sanitation program provides one of the key elements in the prevention of food-borne illnesses.

A comprehensive sanitation program should focus on the training of staff in basic sanitation procedures. This includes personal hygiene, proper handling of raw foods, cooking to a safe internal product temperature, and the routine monitoring of internal food temperatures from the time the food is received through the time the food is served.

A controlled holding environment for prepared foods is just one of the important factors involved in the prevention of food-borne illnesses. Temperature monitoring and control during receiving, storage, preparation, and the service of foods are of equal importance.

The most accurate method of measuring safe temperatures of both hot and cold foods is by internal product temperature. A thermometer is an effective tool for this purpose, and should be routinely used on all products that require holding at a specific temperature.

Internal Food Product Temperatures							
Hot Foods							
Danger Zone	40°F to 140°F	4°C to 60°C					
Critical Zone	70°F to 120°F	21°C to 49°C					
Safe Zone	140°F to 165°F	60°C to 74°C					
Cold Foods							
Danger Zone	Above 40°F	Above 4°C					
Safe Zone	36°F to 40°F	2°C to 4°C					
Frozen Foods							
Danger Zone	Above 32°F	Above 0°C					
Critical Zone	0°F to 32°F	-18°C to 0°C					
Safe Zone	0°F or Below	-18°C or Below					

Hazard Analysis (at) Critical Control Points (HACCP), is a quality control program of operating procedures to assure food integrity, quality, and safety. Taking steps necessary to augment food safety practices is both cost effective and relatively simple. Additional HACCP information is available by contacting:

Center for Food Safety and Applied Nutrition Food and Drug Administration Phone: 1-888-SAFEFOOD www.foodsafety.gov

SERVICE

THERMOSTAT & INDICATOR LIGHT SEQUENCE

Whenever the thermostat is turned "ON," the indicator light will indicate the power ON/OFF condition of the heating cable, and consequently, the cycling of the cabinet as it maintains the dialed cavity temperature. If this light does not illuminate after normal start-up, the main power source, thermostat, and/or indicator light must be checked. If the warming cabinet does not hold the temperature as dialed, the calibration of the thermostat must be checked. If the warming cabinet fails to heat or heats continuously with the thermostat "OFF," the thermostat must be initially checked for proper operation. If these items are checked and found to be in order, a continuity and resistance check of the heating cable should be made. SEE WIRE DIAGRAM INCLUDED WITH THE UNIT.



THERMOSTAT CALIBRATION

The thermostat is precision calibrated at the factory. Normally, no adjustment or recalibration is necessary unless the thermostat has been mishandled in transit, changed or abused while in service. A thermostat with a sensing bulb operates on hydraulic pressure, consequently, any bending of the bulb results in a change in its volume, and alters the accuracy of the thermostat calibration.

A thermostat should be checked or recalibrated by placing a quality, thermal indicator at the center of an empty holding cavity. DO NOT CALIBRATE WITH ANY FOOD PRODUCT IN THE CABINET. The thermostat should be set, and should be allowed to stabilize at that setting for a minimum of one hour. The center of the thermal swing of the air temperature within the cabinet should approximately coincide with the thermostat setting.

If calibration is necessary, the calibration screw should be adjusted with great care. The calibration screw of the thermostat is located in the thermostat dial shaft. With the shaft held stationary, a minute, clockwise motion of the calibration screw appreciably lowers the thermostat setting. A reverse, or counter-clockwise motion appreciably raises the

thermostat setting. After achieving the desired cycling of the thermostat, the calibration screw must be sealed. Place a few drops of enamel sealant directly on the calibration screw. (Red nail polish or equivalent is acceptable.)

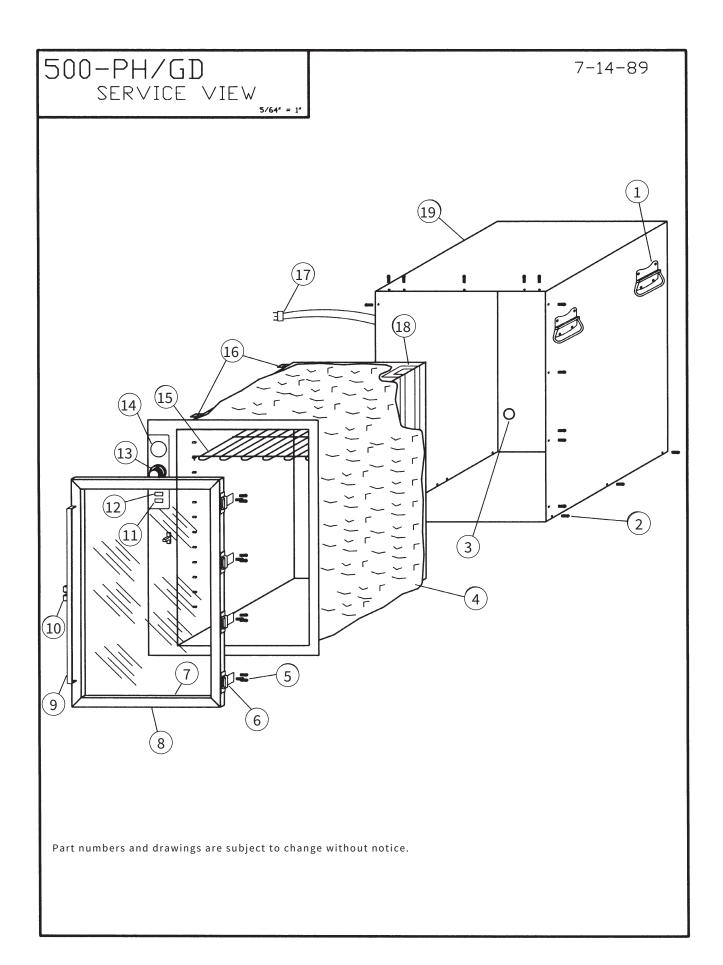
SERVICE

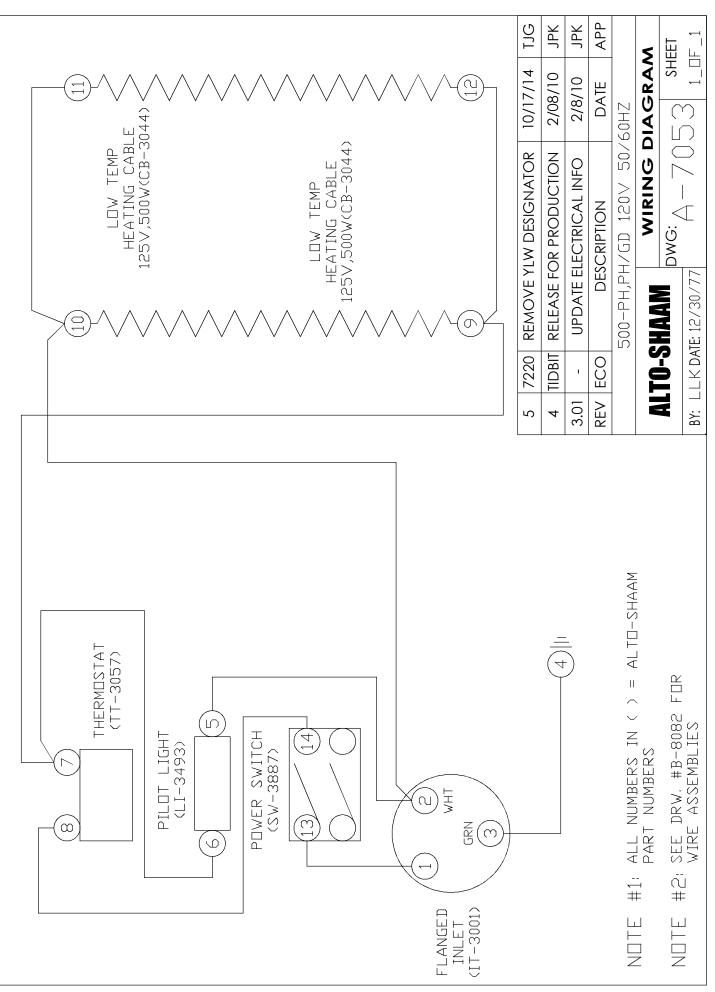
SERVICE PARTS LIST

ITEM	DESCRIPTION	PART NO.	QTY	ITEM	DESCRIPTION	PART NO.	QTY
1	CARRYING HANDLE	HD-2021	4	11	POWER SWITCH	SW-3887	1
	CARRYING HANDLE MOUNTING SCREWS	SC-2070	16	12	HEAT INDICATOR LIGHT (125V)	LI-3493	1
2	CASING MOUNTING RIVETS	RI-2100	20		HEAT INDICATOR LIGHT (230V)	LI-3923	1
3	INLET (125V)	IT-3001	1	13	THERMOSTAT	TT-3057	1
	INLET (230V)	IT-33173	1		THERMOSTAT KNOB (Fahrenheit)	KN-3469	1
4	INSULATION, 18" x 82" (457mm x 2082mm)	IN-2381	1		THERMOSTAT KNOB (Celsius)	KN-3474	1
5	GLASS DOOR MOUNTING SCREWS	SC-2425	12	14	TEMPERATURE GAUGE	GU-3273	1
6	HINGE SET, GLASS DOOR	HG-2047	2	15	SHELF	SH-2102	13
	HINGE SET, SOLID DOOR	HG-2015	2	16	CABLE CONNECTION HARDWARE	AVAILABLE	1
	HINGE MOUNTING SCREWS	SC-2470	8	17	CORD AND PLUG SET (125V)	CD-3029	1
7	DOOR GASKET, GLASS DOOR	GS-28469	1		CORDSET: 230V INTL (TYPE HO7 RN-F)	CD-3984	1
	DOOR GASKET, SOLID DOOR	GS-2398	1		CORDSET: 230V (FOR USA USAGE)	CD-3858	1
8	DOOR, GLASS	4100	1		CORDSET: 230V (australia)	CD-46892	1
	DOOR, SOLID	15248	1	18	HEATING CABLE, 107' (32614mm)	CB-3044	1
9	DOOR HANDLE	HD-2008	1	19	CASING	1365	1
	DOOR HANDLE MOUNTING SCREWS	SC-2664	2		CASING BOTTOM	1383	1
10	DOOR LATCH	LT-2040	1		CASING BACK	1393	1
	DOOR LATCH MOUNTING SCREWS	SC-2239	4				

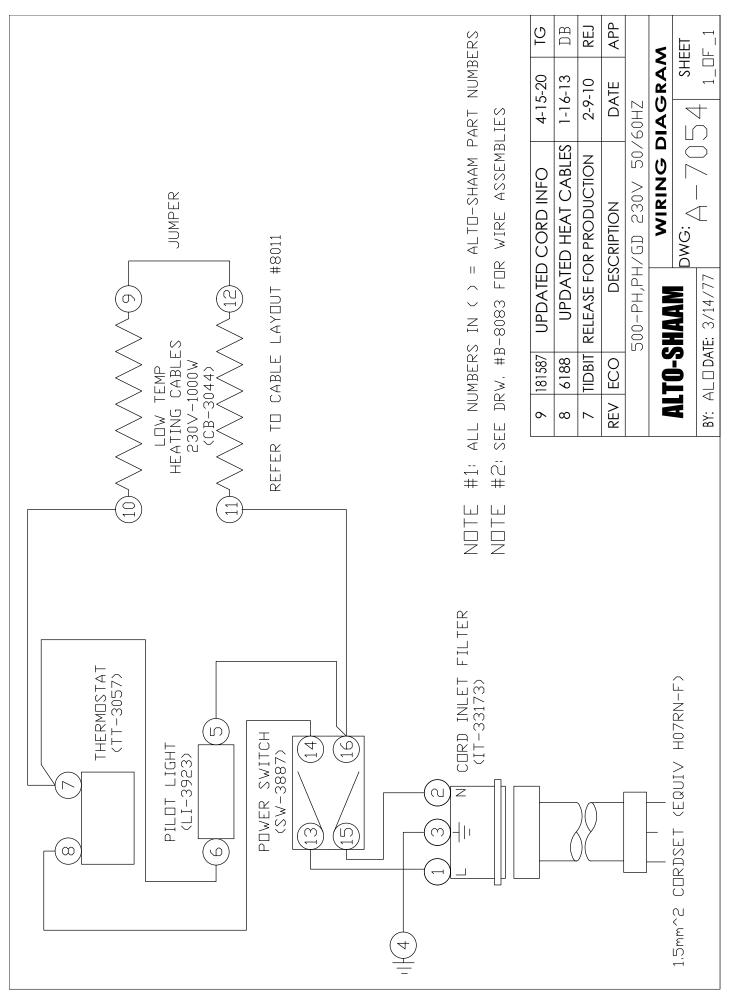
* NOT SHOWN

CABLE HEATING SERVICE KIT - NO. 4874								
KIT INCLUDES:	PART NO.	QTY.						
Cable Heating Element	CB-3044	120 feet (3658cm)						
Ring Connector	CR-3226	4						
Insulation Corner	IN-3488	1 foot (30,5cm)						
Shoulder Bushing	BU-3105	4						
Cup Bushing	BU-3106	4						
Stud	ST-2439	4						
Hex Nut	NU-2215	8						
Insulating Sleeve	SL-3063	4						
Electrical Tape	TA-3540	1 roll						





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TRANSPORTATION DAMAGE and CLAIMS



All Alto-Shaam equipment is sold F.O.B. shipping point, and when accepted by the carrier, such shipments become the property of the consignee.

Should damage occur in shipment, do not put the appliance into service until the damage has been inspected by an authorized Alto-Shaam service provider.

Shipping damages are a matter between the carrier and the consignee. In such cases, the carrier is assumed to be responsible for the safe delivery of the merchandise, unless negligence can be established on the part of the shipper.

- 1. Make an immediate inspection while the equipment is still in the truck or immediately after it is moved to the receiving area. Do not wait until after the material is moved to a storage area.
- 2. Do not sign a delivery receipt or a freight bill until you have made a proper count and inspection of all merchandise received.
- 3. Note all damage to packages directly on the carrier's delivery receipt.
- 4. Make certain the driver signs this receipt. If he refuses to sign, make a notation of this refusal on the receipt.
- 5. If the driver refuses to allow inspection, write the following on the delivery receipt: *Driver refuses to allow inspection of containers for visible damage.*
- 6. Telephone the carrier's office immediately upon finding damage, and request an inspection. Mail a written confirmation of the time, date, and the person called.
- 7. Save any packages and packing material for further inspection by the carrier.
- 8. Promptly file a written claim with the carrier and attach copies of all supporting paperwork.

We will continue our policy of assisting our customers in collecting claims which have been properly filed and actively pursued. We cannot, however, file any damage claims for you, assume the responsibility of any claims, or accept deductions in payment for such claims.

LIMITED WARRANTY

Alto-Shaam, Inc. warrants to the original purchaser only that any original part that is found to be defective in material or workmanship will, at Alto-Shaam's option, subject to provisions hereinafter stated, be replaced with a new or rebuilt part.

The original parts warranty period is as follows:

For the refrigeration compressor on Alto-Shaam Quickchillers[™], five (5) years from the date of installation of appliance.

For the heating element on Halo Heat[®] cooking and holding ovens, as long as the original purchaser owns the oven. This excludes holding only equipment.

For all other original parts, one (1) year from the date of installation of appliance or fifteen (15) months from the shipping date, whichever occurs first.

The labor warranty period is one (1) year from the date of installation or fifteen (15) months from the shipping date, whichever occurs first.

Alto-Shaam will bear normal labor charges performed during standard business hours, excluding overtime, holiday rates or any additional fees.

To be valid, a warranty claim must be asserted during the applicable warranty period. This warranty is not transferable.

THIS WARRANTY DOES NOT APPLY TO:

1. Calibration.

- 2. Replacement of light bulbs, door gaskets, and/or the replacement of glass due to damage of any kind.
- 3. Equipment damage caused by accident, shipping, improper installation or alteration.
- 4. Equipment used under conditions of abuse, misuse, carelessness or abnormal conditions, including but not limited to, equipment subjected to harsh or inappropriate chemicals, including but not limited to, compounds containing chloride or quaternary salts, poor water quality, or equipment with missing or altered serial numbers.
- 5. Damage incurred as a direct result of poor water quality, inadequate maintenance of steam generators and/or surfaces affected by water quality. Water quality and required maintenance of steam generating equipment is the responsibility of the owner/operator.
- 6. Damage caused by use of any cleaning agent other than Alto-Shaam's Combitherm[®] Cleaner, including but not limited to damage due to chlorine or other harmful chemicals. **Use of Alto-Shaam's Combitherm[®] Cleaner on Combitherm[®] ovens is highly recommended.**
- 7. Any losses or damage resulting from malfunction, including loss of product, food product, revenue, or consequential or incidental damages of any kind.
- 8. Equipment modified in any manner from original model, substitution of parts other than factory authorized parts, removal of any parts including legs, or addition of any parts.

This warranty is exclusive and is in lieu of all other warranties, express or implied, including the implied warranties of merchantability and fitness for a particular purpose. In no event shall Alto-Shaam be liable for loss of use, loss of revenue or profit, or loss of product, or for any indirect, special, incidental, or consequential damages. No person except an officer of Alto-Shaam, Inc. is authorized to modify this warranty or to incur on behalf of Alto-Shaam any other obligation or liability in connection with Alto-Shaam equipment.



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