



OPERATION AND CARE MANUAL

HOT DISPLAY CASE

— SELF-SERVICE (PASS-THROUGH)

MODELS: ED-48/P ED-72/PR

ED-72/P ED-96/PL

ED-72/PL ED-96/PR



COOK/HOLD/SERVE SYSTEMS BY ALTO-SHAAM.



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ALTO-SHAAM. SELF-SERVICE HOT DISPLAY CASES

UNPACKING and SET-UP

The Alto-Shaam Hot Display Case has been thoroughly tested, checked for calibration, and inspected to insure only the highest quality cabinet is provided. When you receive your display case, check for any possible ship-ping damage and report it at once to the delivering carrier. See *Transportation Damage* and Claims section located in this manual.

In order to maintain established National Sanitation Foundation standards, all stationary floor models must be sealed to the floor with a R.T.V. or silastic meeting N.S.F. requirements or have 6"(153mm) unobstructed clearance beneath the unit.

Counter and table units must be mounted on legs of a sufficient 4"(102mm) height to provide minimum unobstructed space beneath the unit. These legs are supplied with the unit. Warranty will become null and void if these directions are not followed.

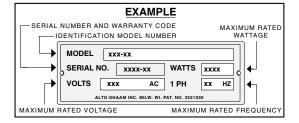
Save all the information and instructions packed inside the display case. Complete and return the warranty card to the factory as soon as possible to assure prompt service in the event of a warranty parts and labor claim.

NOTE: Any and all claims for warranty must include the full model and serial number of the display case.

ELECTRICAL INSTALLATION

 An identification tag is permanently mounted on case Always position the appliance so the power supply cord is easily accesible in case of emergency.





Plug the case into a properly grounded receptacle ONLY. Arcing will occur when connecting or disconnecting the display case unless all controls are in the OFF position.



ENSURE POWER SOURCE MATCHES
VOLTAGE STAMPED ON
NAMEPLATE OF UNIT

OPERATING PROCEDURES

1. DO NOT ADD WATER TO DISPLAY CASE

Halo Heat display cases maintain a constant but gentle temperature and eliminate much of the moisture loss associated with conventional display cases. Because of this gentle heat, it is not necessary to add water to the display case. As a matter of fact, adding water is not recommended since water will accelerate the deterioration of the product, and may damage the case.

2. PLACE DIVIDERS and SERVING PANS IN CASE

Refer to the pan layout diagrams for different types of pan accommodations. A complete pan configuration layout is located in this manual. *It is <u>VERY</u> important to note*, no matter what type of pan configuration you choose, pan separator bars or divider bars must be used to close all gaps between pans, and all gaps between the pans and the edges of the display case. If these gaps are not closed, a natural chimney will be created, and most of the heat will be pulled out of the bottom of the case, into the display area. As a consequence, heat distribution will be uneven and uniform temperature will be difficult to hold. If needed, additional pan divider bars are available.

3. TURN DISPLAY LIGHTS "ON" AND SET THE THERMOSTAT(s) AT NUMBER "10" TO PREHEAT

A red indicator light will illuminate when the thermostat(s) is (are) turned "ON." The indicator(s) will remain lit as long as the unit is preheating or calling for heat. The unit should be preheated, at the number 10 setting, for a minimum of twenty minutes before loading the case with food. When preheating is completed, or whenever the unit reaches any temperature set by the operator between 1 and 10, the red indicator light(s) will go "OUT".

4. LOAD HOT FOODS INTO DISPLAY CASE

Be certain only hot food is transferred into the display case. Before loading food into the case, use a pocket-type meat thermometer to make certain all products have reached an internal temperature of 140° to 160° F (60° to 71°C). If any food product is not at proper serving temperature, use a Halo Heat cooking and holding oven, set at 250° to 275°F (121° to 135°C), to bring the product within the correct temperature range. In the full-service section of the unit, products may be loosely covered with clear plastic wrap. When required, the plastic wrap may remain on the product, in the display case, up until the time it is served. Be certain only hot PREPACKAGED foods are used in the self-service section of the display case.

5. RESET THERMOSTAT AS NEEDED

After all products are loaded into the display case and the doors are closed, it is necessary to reset the thermostat. For fully enclosed sections, reset the thermostat to the number "8" setting. For self-service sections, the thermostat should be maintained at the number "9" or number "10" setting. Cases with a self-service section should also be maintained between number "9" and number "10" for the self-service section only. THESE SETTINGS WILL NOT NECESSARILY BE FINAL. Since proper temperature range depends on the type of productsas and the quantities being held, it is necessary to periodically use a pocket thermometer to check each item to make certain the correct temperatures are being maintained. Proper temperature range is between a minimum of 140° and 160° F (60° and 71° C). Normally, this will require a thermostat seting of between number "6" and "8" in fully enclosed cases. Self-service cases or sections will always require a higher thermostat setting.



Disconnect the unit from the power source before cleaning or servicing.

6. PLACEMENT OF FOOD PROBE (OPTIONAL)

If the unit is equipped with the probe accessory, wipe each probe and probe tip with a disposable alcohol pad to clean and sanitize before using. If the probe is left in its bracket. the LED temperature display will indicate the ambient air temperature inside the case. To place a probe into food kept in the case, remove the probe from the bracket and push the probe tip halfway into the product, positioning the tip at the center of the food mass. If placing into solid foods such as meat roast or poultry breasts, push the probe in from a straight downward position or in from the side to the center position. If placing into a semi-liquid or liquid product, the probe cable will probably need to be secured to keep the probe positioned properly. Do not let the probe tip touch the edges or side of the container. Tape the probe cable to the lip or edge of the container. Wipe each probe tip with a clean paper towel to remove food debris after each use. Follow by wiping probes with a disposable alcohol pad. Return each probe to the proper bracket position.

7. SERVE FRESH HOT DELI FOOD

Keep hot deli foods looking fresh. Occasionally stir or rotate foods as needed. Serve products in the proper package or container. Keep display case doors closed after serving. Wipe spills immediately to assure maximum eye appeal.

CARE and CLEANING

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

1. CLEAN THE PROBES DAILY

Remove all food soil from probes.

Wipe entire probe and cable assembly with warm detergent solution and a clean cloth. Remove detergent by wiping each probe and cable with clean rinse water and a cloth. Wipe probes with disposable alcohol pad or sanitizing solution recommended for food contact surfaces. Allow probe and cable to air dry in probe holding bracket.

2. THOROUGHLY CLEAN THE DISPLAY CASE DAILY

- A. Turn lights and adjustable thermostat(s) to the "OFF" position, and disconnect unit from power source.
- B. Remove, cover or wrap, and store unused products under refrigeration.
- C. Clean the interior metal surfaces of the cabinet with a damp cloth and any good alkaline or alkaline chlorinated based commercial detergent or grease solvent at the recommended strength. Use a plastic scouring pad or oven cleaner for difficult areas. Avoid the use of abrasive cleaning compounds, chloride based cleaners, or cleaners containing quaternary salts. Rinse well to remove

NOTE: Never use hydrochloric acid (muriatic acid) on stainless steel.

all residue and wipe dry.

- D. Clean the glass with a window cleaner.
- E. To help maintain the protective film coating on polished stainless steel, clean the exterior of the unit with a cleaner

Always follow appropriate state or local health (hygiene) regulations regarding all applicable cleaning and sanitation requirements for equipment.recommended for stainless steel surfaces. Spray the cleaning agent on the cloth and wipe with the grain of the stainless steel.

At no time should the case be steam cleaned, flooded with water or liquid solution. Do not use waterjet to clean. Severe damage or electrical hazard could result.



Disconnect from power source before cleaning or servicing.

Hood glass extended to the full upright position is stabilized through the use of gas struts designed for the full load bearing weight. These struts CAUTION could weaken or fail due to wear,

environmental conditions or aging. Operators should be aware of any decrease in effort to lift

the hood and initiate an immediate gas strut safety check. DO NOT LIFT THE HOOD IN THIS CONDITION.







ED-48/P

120/208-240 V.A.C. — 60 Hz, 1 ph

At 208V: 2800 Watts, 16.6 Amps NEMA L14-30P

At 240V: 3400 Watts, 18.0 Amps 30A, 250V Plug



SYSTEM APPLICATIONS BARE END — NO PLUG

220 V.A.C. — 50 Hz. 1 ph

3000 Watts, 13.6 Amps $\mathsf{BARE}\;\mathsf{END}-\mathsf{NO}\;\mathsf{PLUG}$

ED-72/P; ED-72/PL; ED-72/PR

120/208-240 V.A.C. — 60 Hz, 1 ph

At 208V: 5140 Watts, 22.5 Amps

At 240V: 5140 Watts, 22.5 Amps

NEMA L14-30P 30A, 250V Plug



- Plug provided for counter-top applications only.

SYSTEM APPLICATIONS $\mathsf{BARE}\;\mathsf{END}-\mathsf{NO}\;\mathsf{PLUG}$

220 V.A.C. — 50 Hz, 1 ph

4650 Watts, 21.1 Amps

BARE END — NO PLUG

ED-96/PL; ED-96/PR

120/208-240 V.A.C. — 60 Hz, 1 ph

At 208V: 5100 Watts, 22.5 Amps

At 240V: 6000 Watts, 24.7 Amps

NFMA I 14-30P 30A, 250V Plug



Plug provided for counter-top applications only.

SYSTEM APPLICATIONS BARE END — NO PLUG

220 V.A.C. — 50 Hz, 1 ph

5400 Watts, 24.5 Amps BARE END - NO PLUG 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, top operating efficiency, and appearance of equipment contribute considerably to savory, appetizing foods. Good equipment that is kept clean, works better and lasts longer.

Most food imparts its own particular aroma and many foods also absorb existing odors. Unfortunately, during this absorption, there is no 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 *OFF* flavors are usually the result of germ activity.

The easiest way to insure 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 assure 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 controlled holding environment for prepared foods is just one of the important factors involved in the prevention of foodborne illnesses. Temperature monitoring and control during receiving, storage, preparation, and the service of foods are of equal importance.

INTERNAL	FOOD PRODUC	T TEMPERATURES				
HOT FOODS						
DANGER ZONE	40° TO 140°F	(4° TO 60°C)				
CRITICAL ZONE	70° TO 120°F	(21° TO 49°C)				
SAFE ZONE	140° TO 165°F	(60° 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° TO 32°F	(-18° TO 0°C)				
SAFE ZONE	0°F or below	(-18°C OR BELOW)				

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

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 temperatures from receiving through service.

Most food-borne illnesses can be prevented through proper temperature control and a comprehensive program of sanitation. Both these factors are important to build quality service as the foundation of customer satisfaction. Safe food handling practices to prevent food-borne illness is of critical importance to the health and safety of your customers.

HACCP, an acronym for Hazard Analysis (at) Critical Control Points, is a quality control program of operating procedures to assure food integrity, quality, and safety. Taking steps necessary to augment food safety practices are both cost effective and relatively simple. While HACCP guidelines go far beyond the scope of this manual, additional information is available by contacting the USDA/FDA Food-borne Illness Education Information Center at (301)504-6803.

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.

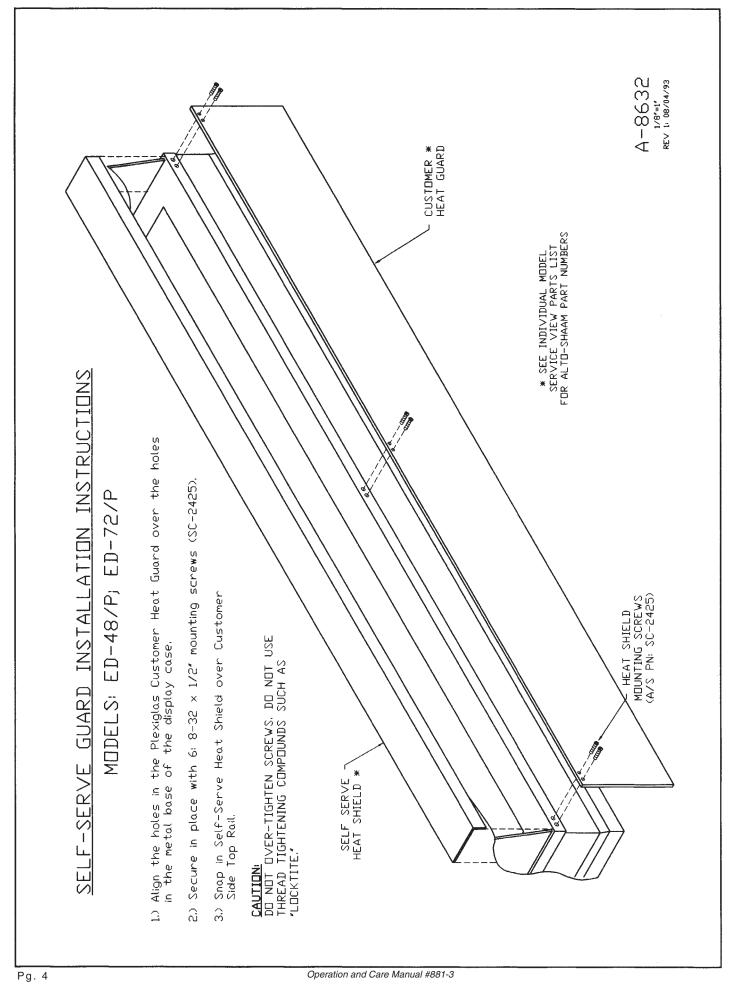
Halo Heat maintains the maximum amount of product moisture content without the addition of water, water vapor, or steam. Maintaining maximum natural product moisture preserves the natural flavor of the product and provides a more genuine taste. In addition to product moisture retention, the gentle properties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

In an enclosed holding environment, too much moisture content is a condition which can be relieved. A product achieving extremely high temperatures in preparation must be allowed to decrease in temperature before being placed in a controlled holding atmosphere. If the product is not allowed to decrease in temperature, excessive condensation will form increasing the moisture content on the outside of the product.

Most Halo Heat Holding Equipment is provided with a thermostat control between 60° and 200°F (16° to 93°C). If the unit is equipped with vents, close the vents for moist holding and open the vents for crisp holding.

If the unit is equipped with a thermostat indicating a range of between 1 and 10, use a metal-stemmed indicating thermometer to measure the internal temperature of the product(s) 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	140°F	60°C					
BEEF ROAST — Med/Well Done	160°F	71°C					
BEEF BRISKET	160° — 175°F	71° — 79°C					
CORN BEEF	160° — 175°F	71° — 79°C					
PASTRAMI	160° — 175°F	71° — 79°C					
PRIME RIB — Rare	140°F	60°C					
STEAKS — Broiled/Fried	140° — 160°F	60° — 71°C					
RIBS — Beef or Pork	160°F	71°C					
VEAL	160° — 175°F	71° — 79°C					
HAM	160° — 175°F	71° — 79°C					
PORK	160° — 175°F	71° — 79°C					
LAMB	160° — 175°F	71° — 79°C					
POULTRY							
CHICKEN — Fried/Baked	160° — 175°F	71° — 79°C					
DUCK	160° — 175°F	71° — 79°C					
TURKEY	160° — 175°F	71° — 79°C					
GENERAL	160° — 175°F	71° — 79°C					
FISH/SEAFOOD							
FISH — Baked/Fried	160° — 175°F	71° — 79°C					
LOBSTER	160° — 175°F	71° — 79°C					
SHRIMP — Fried	160° — 175°F	71° — 79°C					
BAKED GOODS							
BREADS/ROLLS	120° — 140°F	49° — 60°C					
MISCELLANEOUS							
CASSEROLES	160° — 175°F	71° — 79°C					
DOUGH — Proofing	80° — 100°F	27° — 38°C					
EGGS —Fried	150° — 160°F	66° — 71°C					
FROZEN ENTREES	160° — 175°F	71° — 79°C					
HORS D'OEUVRES	160° — 180°F	71° — 82°C					
PASTA	160° — 180°F	71° — 82°C					
PIZZA	160° — 180°F	71° — 82°C					
POTATOES	180°F	82°C					
PLATED MEALS	180°F	82°C					
SAUCES	140° — 200°F	60° — 93°C					
SOUP	140° — 200°F	60° — 93°C					
VEGETABLES	160° — 175°F	71° — 79°C					
THE HOLDING TEMPERATURES LISTED ARE SUGGESTED GUIDELINES.							



A-8627 1/8'=1' REV 2: 08/04/93 DRAFT STRIP CUSTOMER * HEAT GUARD * SEE INDIVIDUAL MODEL SERVICE VIEW PARTS LIST FOR ALTO-SHAAM PART NUMBERS MDUNTING SCREWS (A/S PN: SC-2069) GUARD INSTALLATION INSTRUCTIONS MODELS: ED-72/PL; ED-72/PR; ED-96/PL; ED-96/PR HEAT GUARD 1.) Lift-up glass hood, Remove the 8-32 \times 1' mounting screws (SC-2069) for the draft strip on the non-pass through portion of the case. NDTE: 4: mounting screws on the 72 models, 6: mounting screws on the 96* models. Align the holes in the long Plexiglas Customer Heat Guard and holes of the Draft Strip with the holes on the non-pass through portion of the case, Secure in place with the 8–32 \times 1" mounting screws (SC-2069) removed in Step 1, Snap in Self Serve Heat Shield over self serve area Top Rail. Use 4: 8-32 \times 1/2' mounting screws (SC-2425) for the 4: remaining holes in the Customer Heat Guard. - SELF SERVE HEAT SHIELD * MUNTING SCREVS (A/S PN: SC-2425) CAUTION: DO NOT OVER-TIGHTEN SCREWS. DO NOT USE THREAD TIGHTENING COMPOUNDS SUCH AS SELF-SERVE *ED-96/PR,PL ILLUSTRATED "LOCKTITE." S) 3

PAN CONFIGURATIONS • HOT DELI DISPLAY CASES

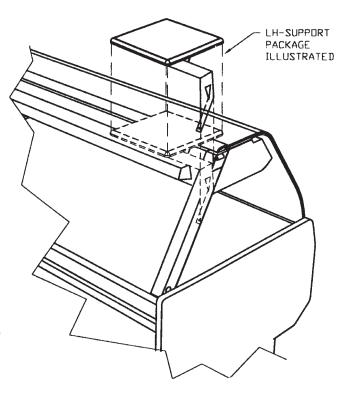
96/PR ED-96/PL & ONE-THIRD SIZE PAN Four (4) ONE-THIRD SIZE PANS per pan zone. ONE-THIRD SIZE PAN ONE-THIRD SIZE PAN ONE-THIRD SIZE PAN 72 MODELS: 2 sheet pans per display case. 96 MODELS: 3 sheet pans per display case. FULL SIZE SHEET PANS: 18" x 26" x 1" 72 MODELS: Up to 12 One-Third Size Pans per display case 96 MODELS: Up to 20 One-Third Size Pans per display case **FWO-THIRDS** ONE-THIRD SIZE PAN One (1) TWO THIRDS SIZE PAN and two (2) ONE-THIRD SIZE PANS per pan zone. ONE-THIRD SIZE PAN SIZE PAN ED-72/PL & ED 72/PR 72 MODELS: Up to 3 Two Thirds Size Pans with 6 One-Third Size Pans per display case 96 MODELS: Up to 5 Two Thirds Size Pans with 10 One-Third Size Pans per display case ONE-THIRD SIZE PAN Two (2) HALF SIZE PANS and one (1) ONE-THIRD SIZE PAN per pan zone. ONE-HALF SIZE PAN ONE-HALF SIZE PAN 72 MODELS: Up to 5 One -Half Size Pans with 5 One-Third Size Pans per display case 96 MODELS: Up to 7 One -Half Size Pans with 7 One-Third Size Pans per display case Sheet Pans (not shown) ONE-THIRD SIZE PAN One (1) FULL SIZE PAN and one (1) ONE-THIRD SIZE PAN per pan zone. FULL-SIZE 72 MODELS: Up to 5 Full Size Pans with 5 One-Third Size Pans per display case 96 MODELS: Up to 7 Full Size Pans with 7 One-Third Size Pans per display case 20" x 27-1/2" x 2" Use Prepackaged **თ** 96 Self-Serve 9 2 4 က Pan Zone Foods only. Pan Size: Ø 1 4 ო | 4 2 150 mm x 706 mm) 22 mm x 708 mm) (35 mm x 706 mm) (25 mm x 708 mm) (25 mm x 324 mm) (83 mm x 706 mm) (45 mm x 451 mm) (95 mm x 706 mm) (83 mm x 178 mm) SEPARATOR BARS DIMENSIONS PAN LAYOUT 5-29/32" x 27-13/16" **DELI CASE** 3-3/4" x 27-13/16" |-3/8" x 27-13/16 3-1/4" x 27-3/16" 1-3/4" x 17-3/4" **DIAGRAM** TWO-THIRDS SIZE PAN 12' x 14" x 2-1/2" (325 mm x 352 mm x 65 mm) GN 2/3 FULL-SIZE PAN 12" x 20" x 2-1/2" (325 mm x 530 mm x 65 mm) GN1/1 ONE-HALF SIZE PAN 12" x 10" x 2-1/2" (325 mm x 265 mm x 65 mm) GN1/2 ONE -THIRD SIZE PAN 12" x 6" x 2-1/2" (325 mm x 176 mm x 65 mm) GN1/3 STANDARD PAN SIZES 7/8" x 27-7/8" 1" x 12-3/4" STANDARD PAN DIVIDER & 1" x 27-7/8 3-1/4" x 7" FULL, HALF AND THIRD SIZE-SHORT FULL, HALF AND THIRD SIZE-LONG FULL SIZE SHEET PAN 18" x 26" x 1" NA GASTRONORM DIVIDER (220V) SHEET PAN DIVIDER BAR SHEET PAN DIVIDER BAR SHEET PAN DIVIDER BAR SHEET PAN DIVIDER BAR DESCRIPTION ONE-THIRD SIZE PAN SHEET PAN FILLER 11046 11317 11318 11319 11320 11047 11357 No de réf. 1865

Additional Pan Separator Bars May Be Required to Accomodate Maximum Capacities

INSTALLATION INSTRUCTIONS – OPTIONAL SCALE PLATFORM

- 1. Disconnect the unit from the power source.
- 2. Lift hood glass up to access the outer top.
- 3. Position the platform mounting bracket in the desired location along the upper rear edge on the outer top, making sure that the bracket is tight against the bend in the top. Using the bracket as a template, mark and punch six mounting holes in the outer top. Drill these six holes with a No. 21 drill, and tap with a 10-32 UNF thread.
- 4. Attach the scale shelf assembly to the outer top using the six 10-32x1/2" slotted truss-head screws provided (Alto-Shaam part number SC-2661).
- Remove the four nuts from the bottom of the platform.
 Mount support (bracket provided) to platform using
 screws as a guide. While pushing up on support, mark
 two mounting holes on the support.
- 6. Remove the support. Drill these mounting holes with a No. 21 drill and tap with a 10-32" UNF thread. Replace support and mount to unit with the two 10-32x1/2" screws provided (Alto-Shaam part number SC-2661). Replace nuts on platform bottom and tighten support to platform.
- 7. Apply a silicone bead to all perimeter meeting surfaces between the mounting bracket and the outer top.

NOTE: These platforms are intended for use in the CLOSED position ONLY. They slide away from the unit for cleaning. Using scales with platforms in the OUT position may result in incorrect data on scales.





The scale shelf platform can be removed from the mounting bracket assembly by removing the 10-32 screw/stop located on the bottom of the scale shelf. Removing the screw allows the shelf to be slid past, and lifted off the shelf guide pins. Failure to replace this screw prior to use could result in serious bodily injury, and/or damage to equipment.

INSTALLATION INSTRUCTIONS - CUSTOMER HEAT GUARD

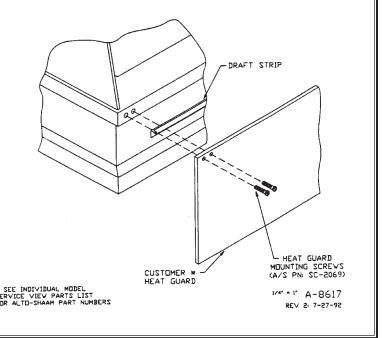
- Lift hood glass up. Remove the 6-32 x 1" screws for draft strip located on the lower front of the case.
- Align the holes in the plexiglas heat guardwith the holes of the draft strip. Secure in place with 6-32 x 1" screws provided. Tighten securely.

DO NOT OVER TIGHTEN!

DO NOT USE THREAD

TIGHTENING COMPOUNDS SUCH

AS "LOCKTITE".



ED-48/P Cable Kit

Cable Heat includes:	ing Service Kit 4880
CB-3045	Cable Heating Element
CR-3226	Ring Connector 4
IN-3488	Insulation Corner
BU-3105	Shoulder Bushing4
BU-3106	Cup Bushing
SL-3063	Insulating Sleeve 4
TA-3540	High Temperature Tape Roll 30 feet
ST-2439	Stud, 10/324
NU-2215	Hex Nut

ED-48/P Options & Accessories

Custom Panel Colors	Factory Quote
Dual Case	
— Trim Kit (FOR BU BASE)	4175
— Butt Clip (FOR ED BASE)	13027
Acrylic Divider	
Hi-Temp. Holding	
Temp. Gauge	GU-33384
Lamp Bulb, 100W, 130V	LP-33253
Menu Board System (1)	
Merchandise Platform	
Mirropane	
— Tempered Glass Doors	5979
— End Panels	
Outlet without Probe Kit	5940
Outlet with Probe Kit	
Pan Separator Bars	
— Sheet Pan (long bar)	11046
— One-Third Size Pan	
— Full-size (long)	
— Half-size/Third-size	
— Sheet Pan	
— Sheet Pan (short bar)	
— Gastronorm	
— Half-Size Sheet Pan	
Scale Platform Package	
— Right-hand	14101
0	
— Left-hand	
Shelf Insert (for BU Base)	
Thermostat Guard Cover	4571

SAFETY ALERT

This units performance has been optimized using the factory provided lamps. These lamps should be replaced with an exact replacement or with a factory

recommended replacement. These lamps have been treated to resist breakage and must be replaced with similarly treated lamps in order to maintain compliance with NSF standards.

CAUTION

Disconnect Unit from
Power Source Before
Cleaning or Servicing
CAUTION

ED-72/P, ED-72/PL, ED-72 /PR - ED-96/PL, ED-96/PR Cable Kit

Cable Heat	ing Service Kit 4881
includes:	
CB-3045	Cable Heating Element 210 feet
CR-3226	Ring Connector
IN-3488	Insulation Corner 1 foot
BU-3105	Shoulder Bushing12
BU-3106	Cup Bushing
SL-3063	Insulating Sleeve
TA-3540	High Temperature Tape Roll 30 feet
ST-2439	Stud, 10/3212
NU-2215	Hex Nut

ED-72/P, ED-72/PL, ED-72/PR Options & Accessories

Custom Panel Colors	Factory Quote
— Trim Kit (FOR BU BASE)	13027
Temp. Gauge	LP-33253 MB-23093
Mirropane — Tempered Glass Doors — End Panels Outlet without Probe Kit Outlet with Probe Kit Pan Separator Bars	
Full-size (long) Half-size/Third-size Sheet Pan (short bar) Sheet Pan (long bar) Gastronorm Half-Size Sheet Pan.	
Scale Platform Package — Right-hand	

ED-96/PL, ED-96/PR Options & Accessories

Custom Panel Colors Factory Quote Dual Case Trim Kit (FOR BU BASE)
Hi-Temp Holding Temp. Gauge
Pan Separator Bars —Full-size (long)
Half-size/Third-size
—Sheet Pan (long bar)
—Gastronorm Divider 1865 —Third-size (short) 11915 —Third-size (long) 11916
Scale Platform Package — Right-hand
— Left-hand 14546 Shelf Insert (FOR BU BASE) 4294 Thermostat Guard Cover 4571

ED-48/P PASS-THROUGH						
04/27/01 Part Description	Qty.	Alto-Shaam Part No.	Part Description	Qty.	Alto-Shaam Part No.	
1. CORD, (120/240V), 7' (2134mm)	1	CD-3291	20. CAPILLARY COVER PLATE	2	11160	
CORD, (220V), 7' (2134mm)	1	CD-3545	CAPILLARY PLATE MOUNTING SCREWS	16	SC-2459	
CONNECTOR: 1/2" Cable PLUG (120/240V only)	1 1	CR-33542 PG-3267	21. CUTTING BOARD ASSEMBLY	1	4016	
2. BOTTOM	1	11053	22. CUTTING BOARD BRACKET BASE	2	11283	
3. BOTTOM MOUNTING SCREWS	12	SC-2425	23. CUTTING BOARD BRACKET	2	BT-2342	
4. INSULATION:			24. BRACKET TO BRACKET MOUNTING SCREWS	6	SC-2070	
15" x 40" (381mm x 1016mm) PIECE	2	IN-22364	25. SELF-SERVE HEAT SHIELD	1	11112	
5. CABLE CONNECTION HARDWARE:			26. PAN GRID [NOT SHOWN]	2	PN-22048	
— SHOULDER BUSHING	8	BU-3105	PAN	1	11624	
— CUP BUSHING	8	BU-3106	TAN	'	11024	
— HEX NUT	48	NU-2215	27. CUSTOMER HEAT GUARD	1	GD-2966	
— RING CONNECTOR	8	CR-3226	28. GAS STRUT	1	SU-22431	
— STUD	8	ST-2439	20. 0.0 011101	'	30-22431	
6. HEATING CABLE, 132' (40234mm)	1	CB-3045	29. 4" (102mm) LEGS	4	LG-2044	
7. CONTROL PLATE	2	11167	30. [NOT SHOWN]			
CONTROL PLATE MOUNTING SCREWS	8	SC-2459	OUTLET WITHOUT PROBE RETROFIT KIT	1	5940	
8. THERMOSTAT	2	TT-3498	OUTLET WITH PROBE RETROFIT KIT		5967	
THERMOSTAT KNOB	2	KN-3473				
9. PILOT LIGHT	2	LI-3025	DECOR PANELS: Galvanized Steel			
10. LAMP SWITCH	2	SW-3616	DECOR CUSTOM PANEL (SPECIFY COLOR)	1	11480	
DIODE ASSEMBLY [120/240V only]	2	4775	DECOR END PANEL (SPECIFY COLOR)	2	11483	
11. TOP	1	1437	Stainless Steel DECOR CUSTOM PANEL	1	11479	
12. TOP MOUNTING SCREWS	8	SC-2425	DECOR END PANEL	2	11482	
13. HEAT LAMPS (120/240V)	6	LP-33592	White Vinyl			
HEAT LAMPS (220V)	6	LP-3384	DECOR CUSTOM PANEL	1	12711	
14 LAMP COCKET (100/040V)	6	DD 2050	DECOR END PANEL	2	12713	
14. LAMP SOCKET (120/240V) LAMP SOCKET (220V)	6 6	RP-3952 RP-3955	Red Vinyl			
LAMI GOOKET (220V)	U	111 -3933	DECOR CUSTOM PANEL	1	12712	
15. GLASS DOOR ASSEMBLY, Includes	1	DR-25022	DECOR END PANEL	2	12714	
— LEFT HAND OUTER DOOR	1	DR-25023				
— RIGHT HAND INNER DOOR	1	DR-25024				
— OPTIONAL GLASS DOOR ASB.	1	DR-25025	SERVICE VIEW ■ ED-48/P —	· PA	GE 10	
— OPTIONAL MIRRORED L.H. OUTER DOOR	1	DR-25026				
— OPTIONAL MIRRORED R.H. INNER DOOR	1	DR-25027		_	1	
— TOP TRACK	1	13008	SAFETY ALER	!T		
— GUIDES #44049	4	DR-22480F	↑ This units performance has been			
— DOOR BUMPER ASB.	1	DR-22480G	optimized using the factory pro			
— GUIDES 16. DOOR RETAINERS	4 2	GI-2367 11279	lamps. These lamps should be replaced with an exact			
DOOR RETAINER MOUNTING SCREWS	4	SC-2459	CAUTION replacement or with a factor	orv		
DOOTHETAINET WOONTING SOILWS	4	30-2409	recommended replacement. These lamps			
17. GLASS, END	2	GL-2901	been treated to resist breakage and	À		

CAUTION

GL-2960

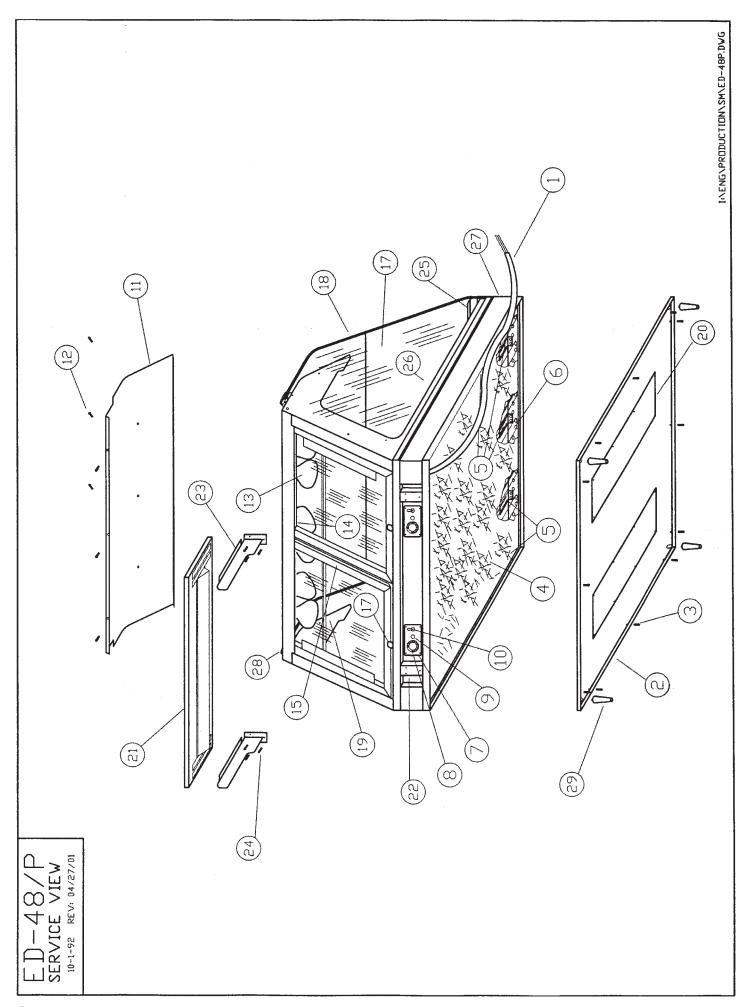
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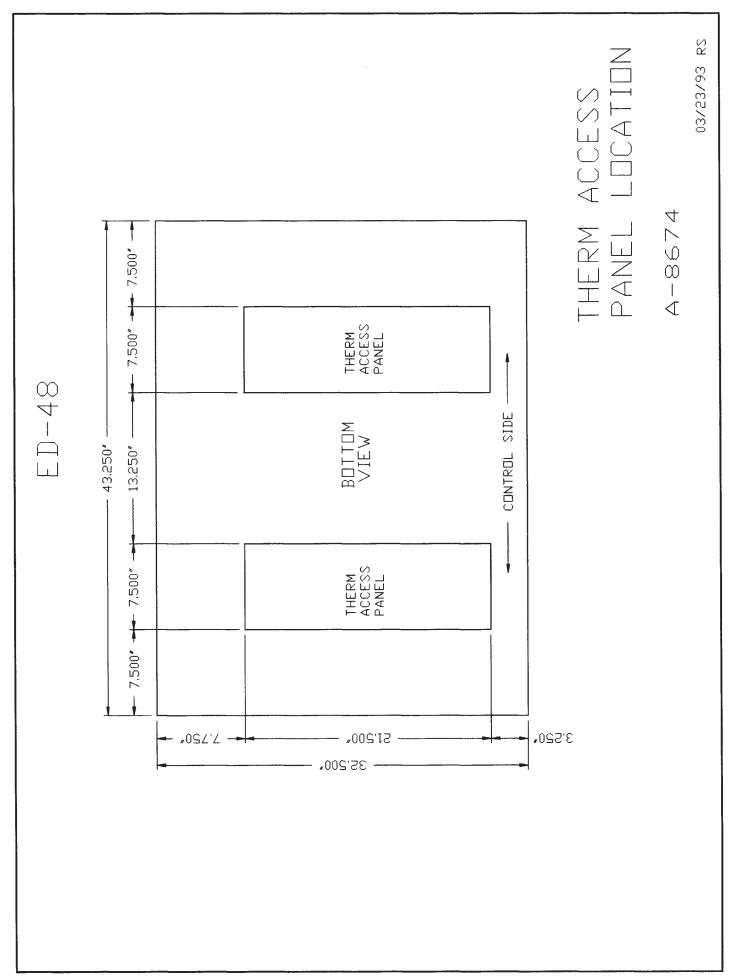
18. GLASS, FRONT

19. LIGHT GUARD

must be replaced with similarly

treated lamps in order to maintain compliance with NSF standards.





ED-72/P PASS-THROUGH						
Part Description	Qty.	Alto-Shaam Part No.	Part Description	Qty.	Alto-Shaam Part No.	
1. CORD, (120/240V), 7' (2134mm)	1	CD-3557	19. GLASS, FRONT	1	GL-2962	
CORD, (220V), 7' (2134mm)	1	CD-3607	20. LIGHT GUARD	1	4832	
CONNECTOR: 3/4" CABLE (120-240V) CONNECTOR: 1/2" CABLE (220V)	1 1	CR-3293 CR-33542		•		
PLUG (120/240V only)	1	PG-3267	21. CAPILLARY COVER PLATE CAPILLARY COVER PLATE MTG. SCREWS	2 16	11160 SC-2459	
2. BOTTOM	1	1898	22. CUTTING BOARD ASSEMBLY	1	4017	
3. BOTTOM MOUNTING SCREWS	16	SC-2425	23. CUTTING BOARD BRACKET BASE	2	11283	
4. INSULATION: 15" x 65" (381mm x 1651mm) PIECE	2	IN-22364	24. CUTTING BOARD BRACKET	2	BT-2342	
5. CABLE CONNECTION HARDWARE:			25. BRACKET TO BRACKET MTG. SCREWS	6	SC-2070	
— SHOULDER BUSHING	12	BU-3105	26. SELF-SERVE HEAT SHIELD	1	11112	
— CUP BUSHING	12	BU-3106	OZ DAN CDID (voz ovovo)	3	DN 00048	
— HEX NUT	72	NU-2215	27. PAN GRID [NOT SHOWN] PAN	3 1	PN-22048 11626	
— RING CONNECTOR — STUD	12 12	CR-3226 ST-2439				
6. HEATING CABLE, 199' (60655mm)	1	CB-3045	28. CUSTOMER HEAT GUARD	1	GD-2967	
			29. GAS STRUT	2	SU-22431	
7. CONTROL PLATE	2	11167	30. [NOT SHOWN]			
CENTER CONTROL PLATE	1	11770	OUTLET WITHOUT PROBE RETROFIT KIT	1	5955	
CONTROL PLATE MOUNTING SCREWS 8. THERMOSTAT	12	SC-2459 TT-3498	OUTLET WITH PROBE RETROFIT KIT	1	5983	
THERMOSTAT KNOB	2	KN-3473	31. 4" (102mm) LEGS	6	LG-2044	
9. PILOT LIGHT (120/240V)	2	LI-3027				
PILOT LIGHT (220V)	2	LI-3025	DECOR PANELS: Galvanized Steel			
10. LAMP SWITCH	3	SW-3616	DECOR CUSTOM PANEL (specify color)	1	11508	
DIODE ASSEMBLY (120/240V only)	3	4775	DECOR END PANEL (specify color)	2	11483	
11. FUSE HOLDER (120V UNITS)	2	FU-33041	Stainless Steel DECOR CUSTOM PANEL	1	11485	
INCLUDES:	1	10051	DECOR END PANEL	2	11482	
FUSE HOLDER BRACKET FUSE, 15 AMP	2	12251 FU-3775	White Vinyl	_		
FUSE HOLDER MTG. SCREWS	4	SC-2425	DECOR CUSTOM PANEL	1	12715	
FUSE HOLDER BRACKET MTG. SCREWS	4	SC-2459	DECOR END PANEL	2	12713	
			Red Vinyl			
12. TOP	1	1433	DECOR CUSTOM PANEL	1	12716	
13. TOP MOUNTING SCREWS	13	SC-2425	DECOR END PANEL	2	12714	
14. HEAT LAMPS (120/240V)	10	LP-33592				
HEAT LAMPS (220V)	10	LP-3384	SERVICE VIEW ED-72/P	— PA	IGE 13	
15. LAMP SOCKET (120/240V)	10	RP-3952				
LAMP SOCKET (220V)	10	RP-3955				
16. GLASS DOOR ASSEMBLY, INCLUDES	1	DR-25028				
— L.H. INNER DOOR	1	DR-25031	A			
— L.H. OUTER DOOR	1	DR-25029				
— R.H. OUTER DOOR	1	DR-25030	Hood glass extended to	the fu	II upright	
— R.H. INNER DOOR	1	DR-25032	position is stabilized th			
— OPTIONAL MIRRORED GLASS DOOR ASB.		DR-25033	of gas struts designed			
— L.H. INNER MIRRORED DOOR	1	DR-25036	load bearing weight.	The	se struts	
— L.H. OUTER MIRRORED DOOR	1	DR-25034	caution could weaken or fai			
R.H. OUTER MIRORED DOOR R.H. INNER MIRRORED DOOR	1 1	DR-25035 DR-25037	environmental conditions or agin			
— R.H. INNER MIRRORED DOOR — TOP TRACK	1	13009	Operators should be aware of any decre		effort to lift	
— TOP TRACK — GUIDES #44049	8	DR-22480F	the hood and initiate an immediate gas s			
— GOIDES #44049 — DOOR BUMPER ASB.	2	DR-22480F DR-22480G	DO NOT LIFT THE HOOD IN THIS			
— GUIDES	8	GI-2367	<u> </u>			
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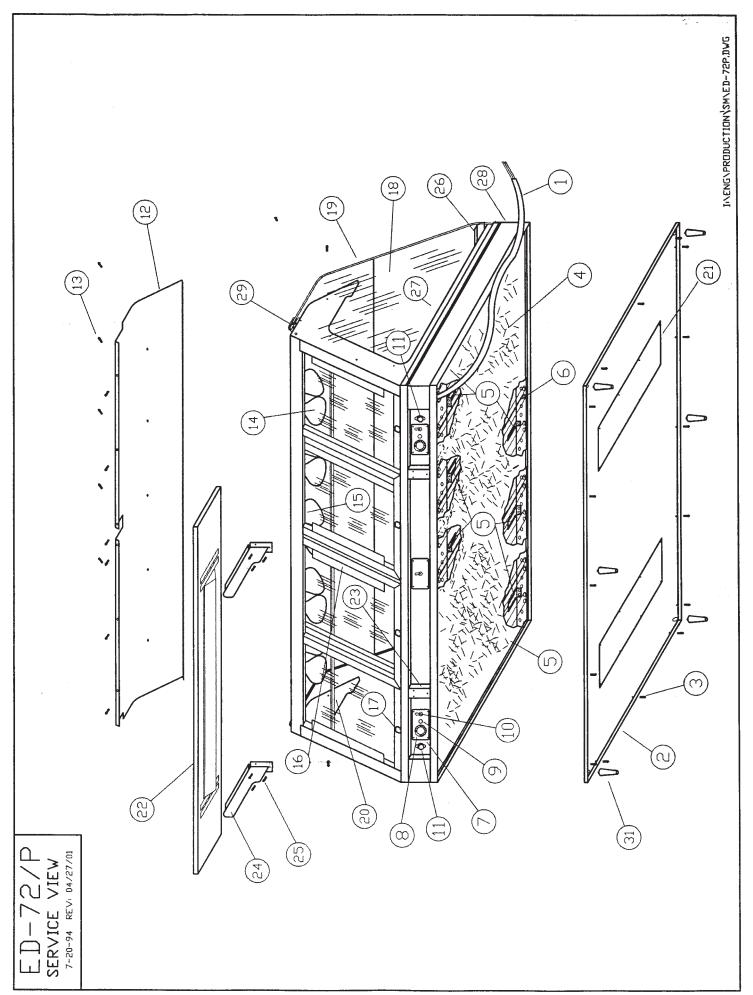
SC-2459

GL-2901

17. DOOR RETAINER

18. GLASS, END

DOOR RETAINER MOUNTING SCREWS



ED-7 04/27/01	Z/PL F	422-1 H	ROUGH — LEFT SIDE		
Part Description	Qty.	Alto-Shaam Part No.	Part Description	Qty.	Alto-Shaa Part No
1. CORD, (120/240V), 7' (2134mm)	1	CD-3557	22. CAPILLARY COVER PLATE	2	11160
CORD, (220V), 7' (2134mm)	1 1	CD-3607	CAPILLARY PLATE MTG. SCREWS	16	SC-2459
CONNECTOR: 3/4" CABLE (120-240V) CONNECTOR: 1/2" CABLE (220V)	1	CR-3293 CR-33542	23. CUTTING BOARD ASSEMBLY	1	4017
PLUG (120/240V only)	1	PG-3267	24. CUTTING BOARD BRACKET BASE	2	11283
2. BOTTOM	1	1898	25. CUTTING BOARD BRACKET	2	BT-2342
3. BOTTOM MOUNTING SCREWS	16	SC-2425	26. BRACKET TO BRACKET MTG. SCREWS	6	SC-2070
4. INSULATION: 15" x 65" (381mm x 1651mm) PIECE	2	IN-22364	27. GAS STRUT (FRONT GLASS)	1	SU-2870
5. CABLE CONNECTION HARDWARE:	2	IIV-22504	28. GAS STRUT (SELF-SERVE GLASS)	1	SU-22431
— SHOULDER BUSHING	12	BU-3105	29. [NOT SHOWN]		
— CUP BUSHING	12	BU-3106	FULL-SIZE PAN DIVIDER [LONG]	4	11317
— HEX NUT	72	NU-2215	ONE-HALF/ONE-THIRD PAN DIVIDER [SHORT]	15	11318
— RING CONNECTOR	12	CR-3226	SHEET PAN DIVIDER [short]	3	11320
— STUD	12	ST-2439	SHEET PAN DIVIDER [long]	2	11357
6. HEATING CABLE, 199' (60655mm)	1	CB-3045	GASTRONORM PAN DIVIDER (220V only)	4	1865
,	0	44407	SELF-SERVE PAN GRID	1	PN-22048
7. CONTROL PLATE CENTER CONTROL PLATE	2 1	11167 11770	SELF-SERVE PAN	1	11628
CONTROL PLATE MOUNTING SCREWS	1 12	SC-2459	30. CUSTOMER HEAT GUARD	1	GD-2966
			DRAFT STRIP	1	1246
8. THERMOSTAT	2	TT-3498	DRAFT STRIP GASKET: 3.5' (1067mm)	1	GS-22441
THERMOSTAT KNOB	2	KN-3473	31. CENTER GLASS DIVIDER	1	GL-22049
9. PILOT LIGHT (120/240V) PILOT LIGHT (220V)	2 2	LI-3027 LI-3025	32. SELF-SERVE HEAT SHIELD	1	11112
10. LAMP SWITCH	3	SW-3616	33. [NOT SHOWN]		
DIODE ASSEMBLY (120/240V only)	3	4775	OUTLET WITHOUT PROBE RETROFIT KIT OUTLET WITH PROBE RETROFIT KIT	1 1	5955 5983
11. FUSE HOLDER (120V UNITS) INCLUDES:	2	FU-33041	34. 4" (102mm) LEGS	6	5983 LG-2044
FUSE HOLDER BRACKET	2	12251			
FUSE, 15 AMP	2	FU-3775			
FUSE HOLDER MTG. SCREWS	4	SC-2425	DECOR PANELS:		
FUSE HOLDER BRACKET MTG. SCREWS	4	SC-2459	Galvanized Steel		
12. TOP	1	11636	DECOR CUSTOM PANEL (SPECIFY COLOR) DECOR END PANEL (SPECIFY COLOR)	1 2	11508 11483
		20.040=	Stainless Steel	2	11403
13. TOP MOUNTING SCREWS	13	SC-2425	DECOR CUSTOM PANEL	1	11485
14. HEAT LAMPS (120/240V)	10	LP-33592	DECOR END PANEL	2	11482
HEAT LAMPS (220V)	10	LP-3384	White Vinyl		
15. LAMP SOCKET (120/240V)	10	RP-3952	DECOR CUSTOM PANEL	1	12715
LAMP SOCKET (220V)	10	RP-3955	DECOR END PANEL Red Vinyl	2	12713
16. GLASS DOOR ASSEMBLY, INCLUDES	1	DR-25028	DECOR CUSTOM PANEL	1	12716
— L.H. INNER DOOR	1	DR-25031	DECOR END PANEL	2	12714
— L.H. OUTER DOOR	1	DR-25029			
— R.H. OUTER DOOR	1	DR-25030			
— R.H. INNER DOOR	1	DR-25032	SERVICE VIEW ED-72/PL -	— PA	GE 15
— OPTIONAL MIRRORED GLASS DOOR A	ASB. 1	DR-25033			
 L.H. INNER MIRRORED DOOR 	1	DR-25036			
— L.H. OUTER MIRRORED DOOR	1	DR-25034			
— R.H. OUTER MIRRORED DOOR	1	DR-25035			
— R.H. INNER MIRRORED DOOR	1	DR-25037	∧ At no time should th	o unit	ha
— TOP TRACK — GUIDES #44049	1 8	13009 DR-22480F	/ • \		
— DOOR BUMPER ASB.	2	DR-22480G	steam cleaned, floo		vitn
— GUIDES	8	GI-2367	/ water or liquid so		
			/ Severe damage	or or	
17. DOOR RETAINER DOOR RETAINER MOUNTING SCREWS	4 8	11279 SC-2459	electrical haza		
			could result.		
18. GLASS END	2	GL-2901	CAUTION		
19. SELF-SERVE GLASS	1	GL-22047			

Alto-Shaam Part No. 11160 SC-2459 4017 11283 BT-2342 SC-2070 SU-2870 SU-22431

20. GLASS, FRONT

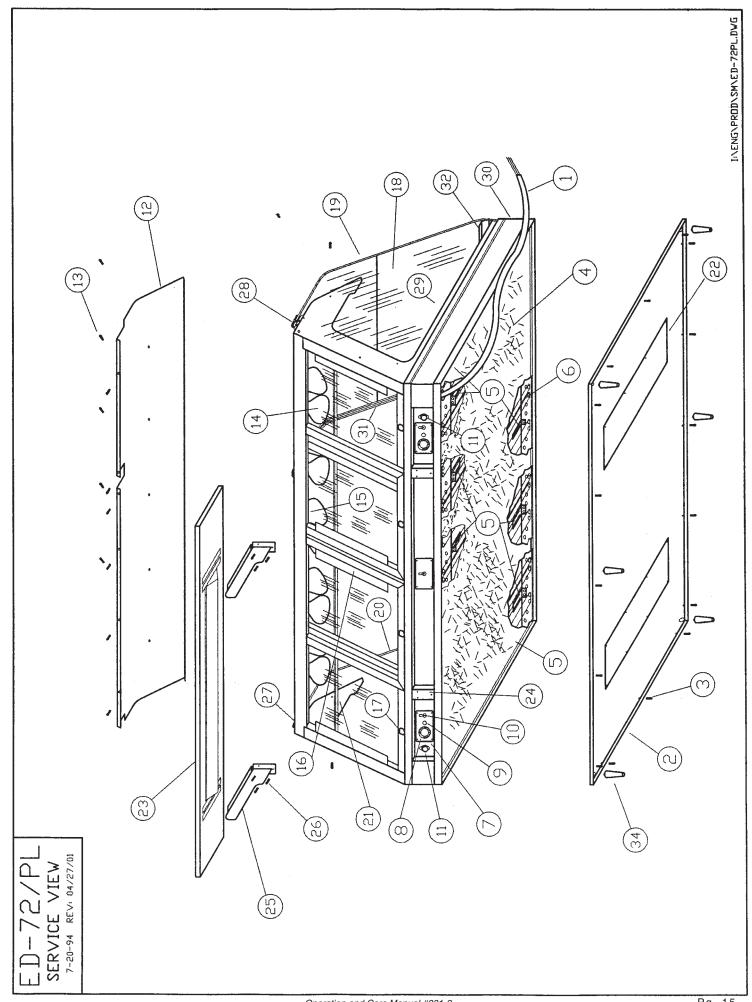
21. LIGHT GUARD

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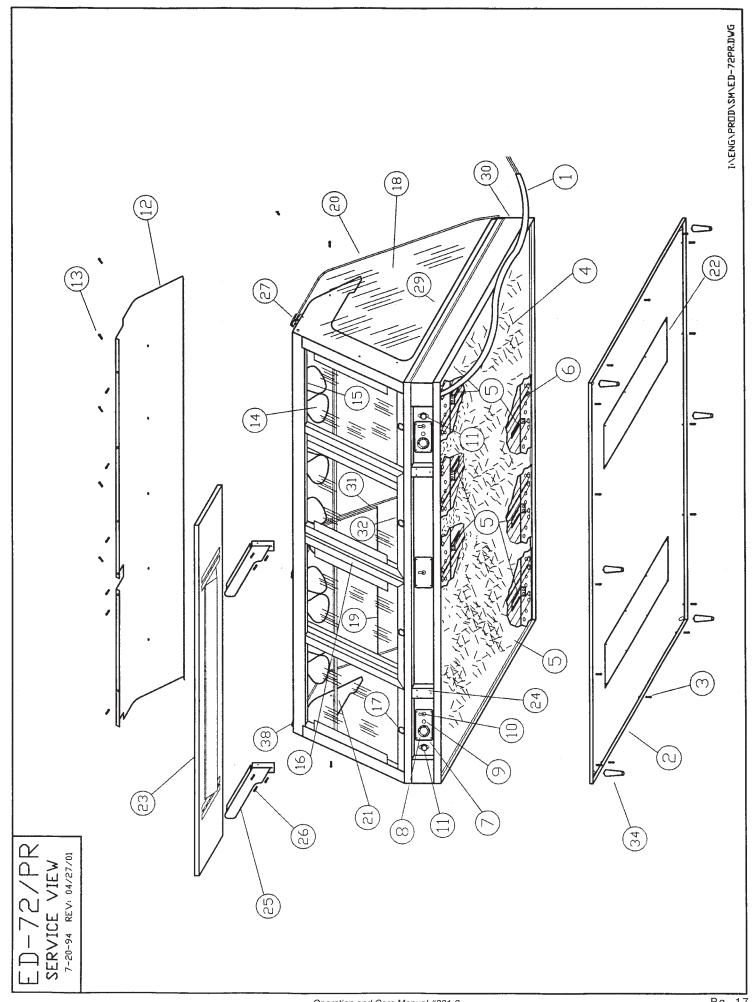
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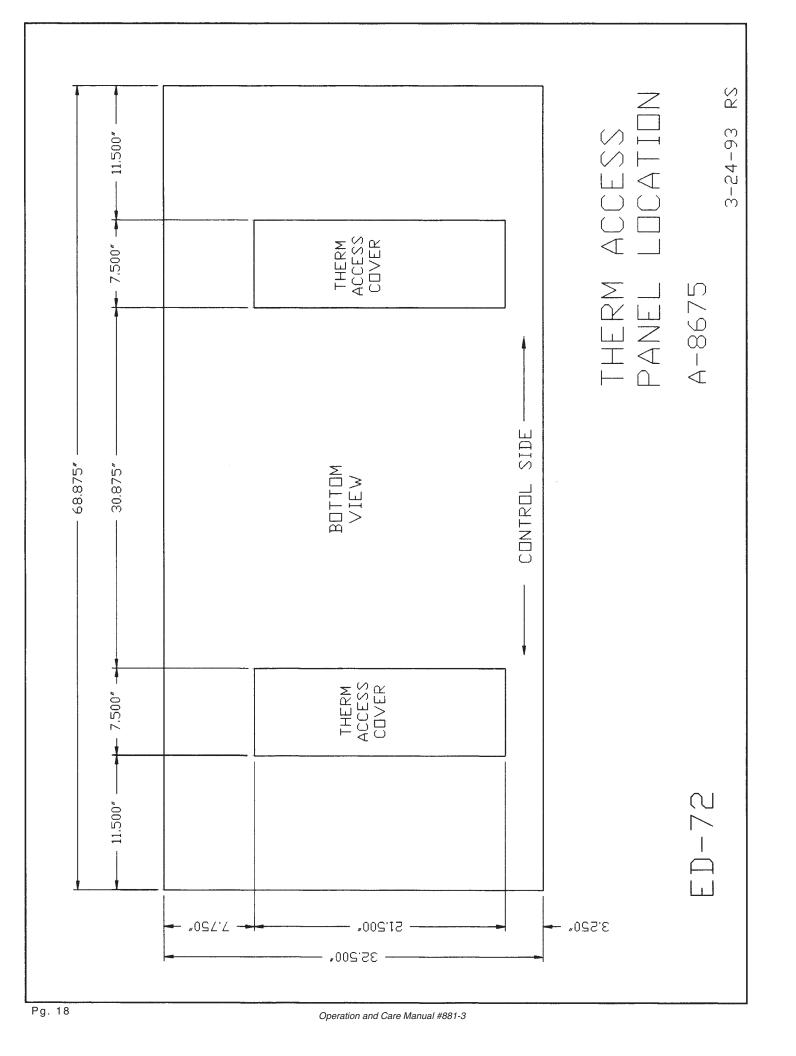
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	D-72/PR P	ASS-THR	OUGH — RIGHT SIDE		
04/27/01 Part Description	Qty.	Alto-Shaam Part No.	Part Description	Qty.	Alto-Shaam Part No.
1. CORD, (120/240V), 7' (2134mm)	1	CD-3557	22. CAPILLARY COVER PLATE	2	11160
CORD, (220V), 7' (2134mm) CONNECTOR: 3/4" CABLE (120/2	1 (40V) 1	CD-3607 CR-3293	CAPILLARY PLATE MTG. SCREWS	16	SC-2459
CONNECTOR: 3/4 CABLE (120/2 CONNECTOR: 1/2" CABLE (220V)	,	CR-33542	23. CUTTING BOARD ASSEMBLY	1	4017
PLUG (120/240V only)	1	PG-3267	24. CUTTING BOARD BRACKET BASE	2	11283
2. BOTTOM	1	1898	25. CUTTING BOARD BRACKET	2	BT-2342
3. BOTTOM MOUNTING SCREWS	16	SC-2425	26. BRACKET TO BRACKET MTG. SCREWS	6	SC-2070
4. INSULATION: 15" X 65" (381mm x 1651mm) PIE	CE 2	IN-22364	27. GAS STRUT (FRONT GLASS)	1	SU-2870
,		111-22304	28. GAS STRUT (SELF-SERVE GLASS)	1	SU-22431
 CABLE CONNECTION HARDWAR SHOULDER BUSHING 	RE: 12	BU-3105	, , , , , , , , , , , , , , , , , , ,	'	30-22431
— CUP BUSHING	12	BU-3106	29. [NOT SHOWN]	4	11017
— HEX NUT	72	NU-2215	FULL-SIZE PAN DIVIDER [LONG] ONE-HALF/ONE-THIRD PAN DIVIDER [SHORT]	4 15	11317 11318
 RING CONNECTOR 	12	CR-3226	SHEET PAN DIVIDER [SHORT]	3	11320
— STUD	12	ST-2439	SHEET PAN DIVIDER [LONG]	2	11357
6. HEATING CABLE, 199' (60655mm	n) 1	CB-3045	GASTRONORM PAN DIVIDER (220V only)	4	1865
6. FILATING CABLE, 199 (0005511111	•	CD-3045	SELF-SERVE PAN GRID	1	PN-22048
7. CONTROL PLATE	2	11167	SELF-SERVE PAN	1	11628
CENTER CONTROL PLATE	1	11770	30. CUSTOMER HEAT GUARD	1	GD-2966
CONTROL PLATE MOUNTING SC	CREWS 12	SC-2459	DRAFT STRIP	1	1246
8. THERMOSTAT	2	TT-3498	DRAFT STRIP GASKET: 3.5" (1067mm)	1	GS-22441
THERMOSTAT KNOB	2	KN-3473	31. CENTER GLASS DIVIDER	1	GL-22049
9. PILOT LIGHT (120/240V)	2	LI-3027	32. SELF-SERVE HEAT SHIELD	1	11112
PILOT LIGHT (220V)	2	LI-3025			
10. LAMP SWITCH	3	SW-3616	33. [NOT SHOWN]	1	FOFF
DIODE ASSEMBLY (120/240V only	y) 3	4775	OUTLET WITHOUT PROBE RETROFIT KIT OUTLET WITH PROBE RETROFIT KIT	1	5955 5983
11. FUSE HOLDER (120V UNITS) INCLUDES:	2	FU-33041	34. 4" (102mm) LEGS	6	LG-2044
FUSE HOLDER BRACKET	2	12251			
FUSE, 15 AMP	2	FU-3775			
FUSE HOLDER MTG. SCREWS	4	SC-2425	DECOR PANELS:		
FUSE HOLDER BRACKET MTG. SO	CREWS 4	SC-2459	Galvanized Steel		
12. TOP	1	11632	DECOR CUSTOM PANEL (SPECIFY COLOR)	1	11508
	•		DECOR END PANEL (SPECIFY COLOR) Stainless Steel	2	11483
13. TOP MOUNTING SCREWS	13	SC-2425	DECOR CUSTOM PANEL	1	11485
14. HEAT LAMPS (120/240V)	10	LP-33592	DECOR END PANEL	2	11482
HEAT LAMPS (220V)	10	LP-3384	White Vinyl		
15 LAMP COCKET (100/040V)	10	RP-3952	DECOR CUSTOM PANEL	1	12715
15. LAMP SOCKET (120/240V) LAMP SOCKET (220V)	10 10	RP-3952	DECOR END PANEL	2	12713
, ,		111 -3933	Red Vinyl		10710
16. GLASS DOOR ASSEMBLY: INCLU		DR-25028	DECOR CUSTOM PANEL DECOR END PANEL	1 2	12716 12714
— L.H. INNER DOOR	1	DR-25031	DECOR END PANEL	2	12/14
— L.H. OUTER DOOR	1	DR-25029 DR-25030			
— R.H. OUTER DOOR — R.H. INNER DOOR	1	DR-25030 DR-25032	CERVICE VIEW ED 72 /DD		CF 17
— OPTIONAL MIRRORED GLASS		DR-25032	SERVICE VIEW = ED-72/PR	— PA	GE I/
— L.H. INNER MIRRORED DOOR		DR-25036			
 L.H. OUTER MIRRORED DOOF 	٦ 1	DR-25034			
— R.H. OUTER MIRRORED DOO!	R 1	DR-25035			
— R.H. INNER MIRRORED DOOR		DR-25037			
— TOP TRACK	1	13009			
— GUIDES #44049— DOOR BUMPER ASB.	8 2	DR-22480F DR-224480G	\wedge		
— DOOR BUMPER ASB. — GUIDES	8	GI-2367	DISCONNECT UNIT	FRO	М
17. DOOR RETAINER	4	11279	POWER SOURCE E		
DOOR RETAINER MOUNTING SC	CREWS 8	SC-2459	CLEANING OR SE	RVIC	ING
18. GLASS END	2	GL-2901	CAUTION		
19. GLASS, FRONT	1	GL-22047			
20. GLASS, LIFT-UP	1	GL-2798			

21. LIGHT GUARD





ED-96/	PL P	PASS-THE	ROUGH
04/27/01		Alto-Shaam	
Part Description	Qty.		
1. CORD, (120/240V), 7' (2134mm)	1	CD-3557	24. CUTTIN
CORD, (220V), 7' (2134mm)	1	CD-3304	25. CUTTIN
CONNECTOR: 3/4" CABLE (120/240V) CONNECTOR: 1/2" CABLE (220V)	1	CR-3293 CR-33542	
PLUG (120/240V only)	1	PG-3267	26. CUTTIN
2. BOTTOM	1	11249	27. BRACK
3. BOTTOM MOUNTING SCREWS	18	SC-2425	28. GAS ST
4. INSULATION:	10	00 2 120	29. GAS ST
15" x 96" (381mm x 2438mm) pieces	2	IN-22364	30. [NOT SHO
5. CABLE CONNECTION HARDWARE:			FULL-S ONE-HA
— SHOULDER BUSHING	6	BU-3105	SHEET
— CUP BUSHING	6	BU-3106	SHEET
— HEX NUT	36	NU-2215	GASTR
— RING CONNECTOR	6	CR-3226	SELF-S
— STUD	6	ST-2439	SELF-S
6. HEATING CABLE, 183' (55778mm)	1	CB-3045	SHEET
7. CONTROL PLATE	3	11167	31. CUSTO
8. CONTROL PLATE MOUNTING SCREWS	12	SC-2459	DRAFT
9. THERMOSTAT	3	TT-3498	32. CENTE
THERMOSTAT KNOB	3	KN-3473	33. SELF-S
10. PILOT LIGHT (120/240V)	3	LI-3025	34. [not sho
11. LAMP SWITCH	3	SW-3616	OUTLE
DIODE ASSEMBLY [120/240V only]	3	4775	OUTLE
12. FUSE HOLDER (120V UNITS) INCLUDES:	1	FU-33041	35. 4" (102r
FUSE HOLDER BRACKET	1	12251	
FUSE, 20 AMP	1	FU-33042	DECOR PA
FUSE HOLDER MTG. SCREWS	2	SC-2425	Galvanized
FUSE HOLDER BRACKET MTG. SCREWS	2	SC-2459	DECOR
13. TOP	1	11643	DECOR
			Stainless S
14. TOP MOUNTING SCREWS	17	SC-2425	DECOR
15. HEAT LAMPS (120/240V)	14	LP-33592	DECOR White Vinyl
HEAT LAMPS (220V)	14	LP-3384	DECOR
16 LAMP COCKET (100/040V)	1.1	DD 2050	DECOR
16. LAMP SOCKET (120/240V) LAMP SOCKET (220V)	14 14	RP-3952 RP-3955	Red Vinyl
LAWN GOOKET (220V)	17	111 0000	DECOR
17. GLASS DOOR ASSEMBLY, INCLUDES	1	DR-25038	DECOR
— L.H. INNER DOOR	1	DR-25041	
— L.H. OUTER DOOR	1	DR-25039	
— R.H. OUTER DOOR — R.H. INNER DOOR	1 1	DR-25040	SER'
— OPTIONAL MIRRORED GLASS DOOR ASB.		DR-25042 DR-25043	
— L.H. INNER MIRRORED DOOR	1	DR-25046	
— L.H. OUTER MIRRORED DOOR	1	DR-25044	
— R.H. OUTER MIRRORED DOOR	1	DR-25045	
— R.H. INNER MIRRORED DOOR	1	DR-25047	
— TOP TRACK	1	13010	
— GUIDES #44049	8	DR-22480F	
— DOOR BUMPER ASB.	2	DR-22480G	
— GUIDES	8	GI-2367] ,
18. DOOR RETAINERS	4	11279	/
DOOR RETAINER MOUNTING SCREWS	8	SC-2459	
19. GLASS, END	2	GL-2901	CAU
20. SELF-SERVE GLASS	1	GL-2961	
21. GLASS, FRONT	1	GL-2799	
22. LIGHT GUARD	1	4885	
23. CAPILLARY COVER PLATE	3	11160	
CAPILLARY PLATE MTG. SCREWS	24	SC-2459	

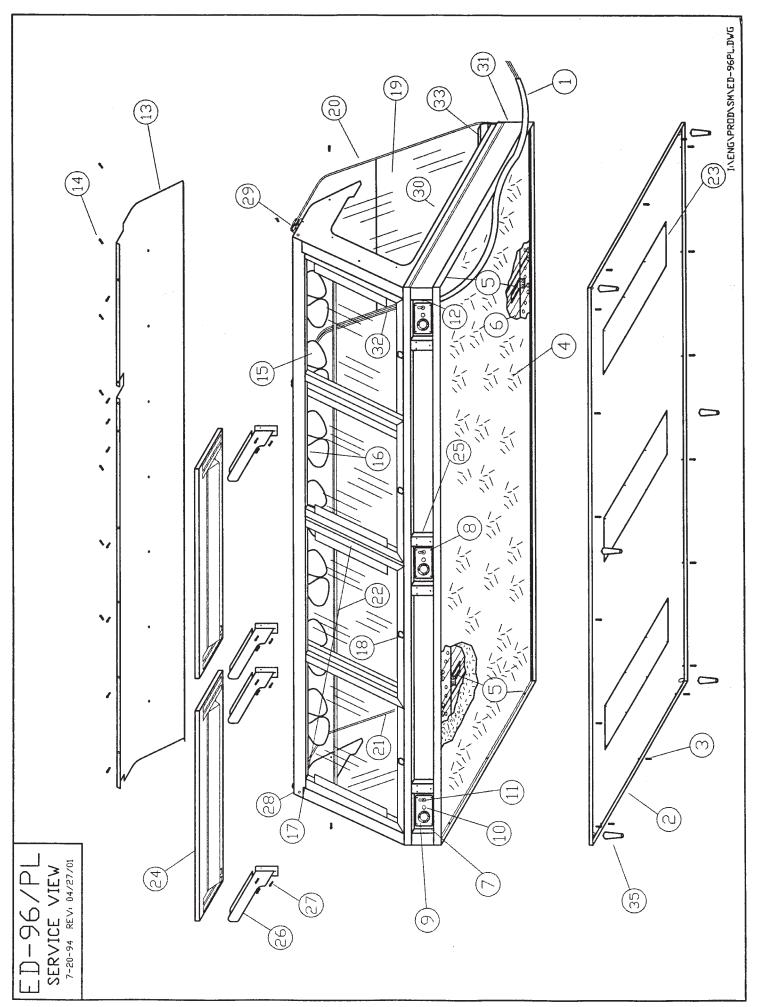
24. CUTTING BOARD ASSEMBLY 1 4016 25. CUTTING BOARD BRACKET BASE 4 11283 26. CUTTING BOARD BRACKET 4 BT-2342 27. BRACKET TO BRACKET MTG. SCREWS 12 SC-2070 28. GAS STRUT (FRONT GLASS) 1 SU-2870 29. GAS STRUT (SELF-SERVE GLASS) 1 SU-22431 30. [NOT SHOWN] 5 6 11317 ONE-HALF/ONE-THIRD PAN DIVIDER [SHORT] 21 11318 SHEET PAN DIVIDER [SHORT] 4 11320 SHEET PAN DIVIDER [LONG] 3 11357 GASTRONORM PAN DIVIDER (220V only) 6 1865 SELF-SERVE PAN GRID 1 PN-22048 SELF-SERVE PAN FILLER — 3-3/4" (95mm) 1 11732 31. CUSTOMER HEAT GUARD 1 GD-2967 DRAFT STRIP ASKET: 5.6' (1707mm) 1 GS-22441 32. CENTER GLASS DIVIDER 1 GL-22049 33. SELF-SERVE HEAT SHIELD 1 11112 34. [not shown] 0UTLET WITHOUT PROBE RETROFIT KIT 1 5955 OUTLET WITHOUT PROBE RETROFIT KIT 1 5955 OUTLET WITHOUT PROBE RETR	Part Description	Qty.	Alto-Shaam Part No.
26. CUTTING BOARD BRACKET 4 BT-2342 27. BRACKET TO BRACKET MTG. SCREWS 12 SC-2070 28. GAS STRUT (FRONT GLASS) 1 SU-2870 29. GAS STRUT (SELF-SERVE GLASS) 1 SU-22431 30. [NOT SHOWN] 6 11317 ONE-HALF/ONE-THIRD PAN DIVIDER [SHORT] 21 11318 SHEET PAN DIVIDER [SHORT] 4 11320 SHEET PAN DIVIDER [LONG] 3 11357 GASTRONORM PAN DIVIDER (220V only) 6 1865 SELF-SERVE PAN GRID 1 PN-22048 SELF-SERVE PAN 1 11628 SHEET PAN FILLER — 3-3/4" (95mm) 1 11732 31. CUSTOMER HEAT GUARD 1 1 GD-2967 DRAFT STRIP GASKET: 5.6' (1707mm) 1 GS-22441 32. CENTER GLASS DIVIDER 1 1 GL-22049 33. SELF-SERVE HEAT SHIELD 1 1 11112 34. [not shown] 0UTLET WITHOUT PROBE RETROFIT KIT 1 5955 OUTLET WITH PROBE RETROFIT KIT 1 5983	24. CUTTING BOARD ASSEMBLY	1	4016
27. BRACKET TO BRACKET MTG. SCREWS 12 SC-2070 28. GAS STRUT (FRONT GLASS) 1 SU-2870 29. GAS STRUT (SELF-SERVE GLASS) 1 SU-22431 30. [NOT SHOWN] Image: SU-22431 FULL-SIZE PAN DIVIDER [LONG] 6 11317 ONE-HALF/ONE-THIRD PAN DIVIDER [SHORT] 21 11318 SHEET PAN DIVIDER [LONG] 3 11357 GASTRONORM PAN DIVIDER (220V only) 6 1865 SELF-SERVE PAN GRID 1 PN-22048 SELF-SERVE PAN 1 1 11628 SHEET PAN FILLER — 3-3/4" (95mm) 1 11732 31. CUSTOMER HEAT GUARD 1 1 GD-2967 DRAFT STRIP GASKET: 5.6' (1707mm) 1 GS-22441 32. CENTER GLASS DIVIDER 1 1 GL-22049 33. SELF-SERVE HEAT SHIELD 1 1 11112 34. [not shown] 0 0 1 5955 OUTLET WITHOUT PROBE RETROFIT KIT 1 5983	25. CUTTING BOARD BRACKET BASE	4	11283
28. GAS STRUT (FRONT GLASS) 1 SU-2870 29. GAS STRUT (SELF-SERVE GLASS) 1 SU-22431 30. [NOT SHOWN] FULL-SIZE PAN DIVIDER [LONG] ONE-HALF/ONE-THIRD PAN DIVIDER [SHORT] SHEET PAN DIVIDER [SHORT] SHEET PAN DIVIDER [LONG] SHEET PAN DIVIDER (220V only) SHEET PAN FILLER SELF-SERVE PAN 1 11628 SHEET PAN FILLER — 3-3/4" (95mm) 1 CUSTOMER HEAT GUARD 1 GD-2967 DRAFT STRIP 1 1247 DRAFT STRIP 1 1247 DRAFT STRIP 1 GASKET: 5.6' (1707mm) 32. CENTER GLASS DIVIDER 1 GL-22049 33. SELF-SERVE HEAT SHIELD 1 11112 34. [not shown] OUTLET WITHOUT PROBE RETROFIT KIT 1 5955 OUTLET WITH PROBE RETROFIT KIT 1 5983	26. CUTTING BOARD BRACKET	4	BT-2342
29. GAS STRUT (SELF-SERVE GLASS) 1 SU-22431 30. [NOT SHOWN] FULL-SIZE PAN DIVIDER [LONG] ONE-HALF/ONE-THIRD PAN DIVIDER [SHORT] SHEET PAN DIVIDER [SHORT] SHEET PAN DIVIDER [LONG] SHEET PAN DIVIDER [LONG] SHEET PAN DIVIDER (LONG] GASTRONORM PAN DIVIDER (220V only) SELF-SERVE PAN GRID SELF-SERVE PAN SELF-SERVE PAN SHEET PAN FILLER — 3-3/4" (95mm) 1 GD-2967 DRAFT STRIP DRAFT STRIP DRAFT STRIP GASKET: 5.6' (1707mm) 32. CENTER GLASS DIVIDER 33. SELF-SERVE HEAT SHIELD 1 11112 34. [not shown] OUTLET WITHOUT PROBE RETROFIT KIT OUTLET WITHOUT PROBE RETROFIT KIT 1 5955 OUTLET WITH PROBE RETROFIT KIT 1 5983	27. BRACKET TO BRACKET MTG. SCREWS	12	SC-2070
30. [NOT SHOWN] FULL-SIZE PAN DIVIDER [LONG] 6 11317 ONE-HALF/ONE-THIRD PAN DIVIDER [SHORT] 21 11318 SHEET PAN DIVIDER [SHORT] 4 11320 SHEET PAN DIVIDER [LONG] 3 11357 GASTRONORM PAN DIVIDER (220V only) 6 1865 SELF-SERVE PAN GRID 1 PN-22048 SELF-SERVE PAN 1 11628 SHEET PAN FILLER — 3-3/4" (95mm) 1 11732 31. CUSTOMER HEAT GUARD 1 GD-2967 DRAFT STRIP 1 1247 DRAFT STRIP 1 1247 DRAFT STRIP 1 GS-22441 32. CENTER GLASS DIVIDER 1 GL-22049 33. SELF-SERVE HEAT SHIELD 1 11112 34. [not shown] OUTLET WITHOUT PROBE RETROFIT KIT 1 5955 OUTLET WITH PROBE RETROFIT KIT 1 5983	28. GAS STRUT (FRONT GLASS)	1	SU-2870
FULL-SIZE PAN DIVIDER [LONG] 6 11317 ONE-HALF/ONE-THIRD PAN DIVIDER [SHORT] 21 11318 SHEET PAN DIVIDER [SHORT] 4 11320 SHEET PAN DIVIDER [LONG] 3 11357 GASTRONORM PAN DIVIDER (220V only) 6 1865 SELF-SERVE PAN GRID 1 PN-22048 SELF-SERVE PAN 1 11628 SHEET PAN FILLER — 3-3/4" (95mm) 1 11732 31. CUSTOMER HEAT GUARD 1 GD-2967 DRAFT STRIP 1 1247 DRAFT STRIP 1 1247 DRAFT STRIP GASKET: 5.6' (1707mm) 1 GS-22441 32. CENTER GLASS DIVIDER 1 GL-22049 33. SELF-SERVE HEAT SHIELD 1 11112 34. [not shown] OUTLET WITHOUT PROBE RETROFIT KIT 1 5955 OUTLET WITH PROBE RETROFIT KIT 1 5983	29. GAS STRUT (SELF-SERVE GLASS)	1	SU-22431
1 35 4" (102mm) LEGS 6 1G-2044	FULL-SIZE PAN DIVIDER [LONG] ONE-HALF/ONE-THIRD PAN DIVIDER [SHORT] SHEET PAN DIVIDER [SHORT] SHEET PAN DIVIDER [LONG] GASTRONORM PAN DIVIDER (220V only) SELF-SERVE PAN GRID SELF-SERVE PAN SHEET PAN FILLER — 3-3/4" (95mm) 31. CUSTOMER HEAT GUARD DRAFT STRIP DRAFT STRIP GASKET: 5.6' (1707mm) 32. CENTER GLASS DIVIDER 33. SELF-SERVE HEAT SHIELD 34. [not shown] OUTLET WITHOUT PROBE RETROFIT KIT	21 4 3 6 1 1 1 1 1 1	11318 11320 11357 1865 PN-22048 11628 11732 GD-2967 1247 GS-22441 GL-22049 11112
	DECOR PANELS: Galvanized Steel DECOR CUSTOM PANEL (SPECIFY COLOR) DECOR END PANEL (SPECIFY COLOR) Stainless Steel DECOR CUSTOM PANEL DECOR END PANEL White Vinyl DECOR CUSTOM PANEL DECOR END PANEL Red Vinyl DECOR CUSTOM PANEL DECOR END PANEL	1 2 1 2 1 2 1 2	11601 11483 11600 11482 12717 12713 12718 12714

LEFT SIDE

SERVICE VIEW ■ ED-96/PL — PAGE 20



DISCONNECT UNIT FROM POWER SOURCE BEFORE CLEANING OR SERVICING



ED-96/	PR P	ASS-THR	OUGH — RIGHT SIDE		
04/27/01 Part Description	Qty.	Alto-Shaam Part No.	Part Description	Qty.	Alto-Shaa Part No.
1. CORD, (120/240V), 7' (2134mm)	1	CD-3557	25. CUTTING BOARD BRACKET BASE	4	11283
CORD, (220V), 7' (2134mm)	1	CD-3304	26. CUTTING BOARD BRACKET	4	BT-2342
CONNECTOR: 3/4" CABLE CONNECTOR: 1/2" CABLE	1 1	CR-3293 CR-33542			
PLUG (120/240V only)	1	PG-3267	27. BRACKET TO BRACKET MTG. SCREWS	12	SC-2070
2. BOTTOM	1	11249	28. GAS STRUT (FRONT GLASS)	1	SU-2870
3. BOTTOM MOUNTING SCREWS	18	SC-2425	29. GAS STRUT (SELF-SERVE GLASS)	1	SU-22431
4. INSULATION:			30. [NOT SHOWN]		44047
15" x 96" (381mm x 2438mm) pieces	2	IN-22364	FULL-SIZE PAN DIVIDER [LONG] ONE-HALF/ONE-THIRD PAN DIVIDER [SHORT]	6 21	11317 11318
5. CABLE CONNECTION HARDWARE:			SHEET PAN DIVIDER [SHORT]	4	11320
— SHOULDER BUSHING — CUP BUSHING	6 6	BU-3105 BU-3106	SHEET PAN DIVIDER [LONG] GASTRONORM PAN DIVIDER (220V only)	3 6	11357 1865
— HEX NUT	36	NU-2215	SELF-SERVE PAN GRID	1	PN-22048
— RING CONNECTOR	6	CR-3226	SELF-SERVE PAN	1	11628
— STUD	6	ST-2439	SHEET PAN FILLER — 3-3/4" (95mm)	1	11732
6. HEATING CABLE, 183' (55778mm)	1	CB-3045	31. CUSTOMER HEAT GUARD	1	GD-2967
7. CONTROL PLATE	3	11167	DRAFT STRIP DRAFT STRIP GASKET: 5.6' (1707mm)	1 1	1247 GS-22441
8. CONTROL PLATE MOUNTING SCREWS	12	SC-2459	32. CENTER GLASS DIVIDER	1	GL-22049
9. THERMOSTAT	3	TT-3498		-	
THERMOSTAT KNOB	3	KN-3473	33. SELF-SERVE HEAT SHIELD	1	11112
10. PILOT LIGHT (120/240V)	3	LI-3025	34. [NOT SHOWN] OUTLET WITHOUT PROBE RETROFIT KIT	1	5955
11. LAMP SWITCH	3	SW-3616	OUTLET WITHOUT PROBE RETROFIT KIT	1	5983
DIODE ASSEMBLY [120/240V only]	3	4775	35. 4" (102mm) LEGS	6	LG-2044
12. FUSE HOLDER (120V UNITS) INCLUDES:	1	FU-33041			
FUSE HOLDER BRACKET	1	12251	DECOR PANELS:		
FUSE, 20 AMP	1	FU-33042	Galvanized Steel		11001
FUSE HOLDER MTG. SCREWS FUSE HOLDER BRACKET MTG. SCREWS	2 2	SC-2425 SC-2459	DECOR CUSTOM PANEL (SPECIFY COLOR) DECOR END PANEL (SPECIFY COLOR)	1 2	11601 11483
13. TOP	1	11637	Stainless Steel		
			DECOR CUSTOM PANEL DECOR END PANEL	1 2	11600 11482
14. TOP MOUNTING SCREWS	17	SC-2425	White Vinyl	2	11402
15. HEAT LAMPS (120/240V) HEAT LAMPS (220V)	14 14	LP-33592 LP-3384	DECOR CUSTOM PANEL	1	12717
,			DECOR END PANEL Red Vinyl	2	12713
16. LAMP SOCKET (120/240V) LAMP SOCKET (220V)	14 14	RP-3952 RP-3955	DECOR CUSTOM PANEL	1	12718
			DECOR END PANEL	2	12714
17. GLASS DOOR ASSEMBLY, INCLUDES — L.H. INNER DOOR	1 1	DR-25038 DR-25041			
— L.H. OUTER DOOR	1	DR-25039	SERVICE VIEW = ED-96/PR	— PA	GE 22
— R.H. OUTER DOOR	1	DR-25040	32KVICE VIEW = 23 30/1 K		
— R.H. INNER DOOR	1	DR-25042 DR-25043			
— OPTIONAL MIRRORED GLASS DOR ASB.— L.H. INNER MIRRORED DOOR	1 1	DR-25043 DR-25046			
— L.H. OUTER MIRRORED DOOR	1	DR-25044	CAFETY		_
— R.H. OUTER MIRRORED DOOR	1	DR-25045	SAFETY AL	ĿК	
— R.H. INNER MIRORED DOOR	1	DR-25047	This units performance has been	en optim	ized
— TOP TRACK	1	13010	using the factory provided la		
— GUIDES #44049 — DOOR BUMPER ASB.	8 2	DR-22480F DR-22480G	lamps should be replaced w		
— BOOK BOMPER ASB. — GUIDES	8	GI-2367	replacement or with a fac		
18. DOOR RETAINERS	4	11279	recommended replacem		ese
DOOR RETAINER MOUNTING SCREWS	8	SC-2459	lamps have been treate		
19. GLASS, END	2	GL-2901	breakage and must b		
20. SELF-SERVE GLASS	1	GL-2961	with similarly trea		
21. GLASS FRONT	1	GL-2799	order to maintai	_	iance
22. LIGHT GUARD	1	4885	CAUTION		
O2 CARLLARY COVER DI ATE			CAUIIUN		

3

24

1

11160

SC-2459

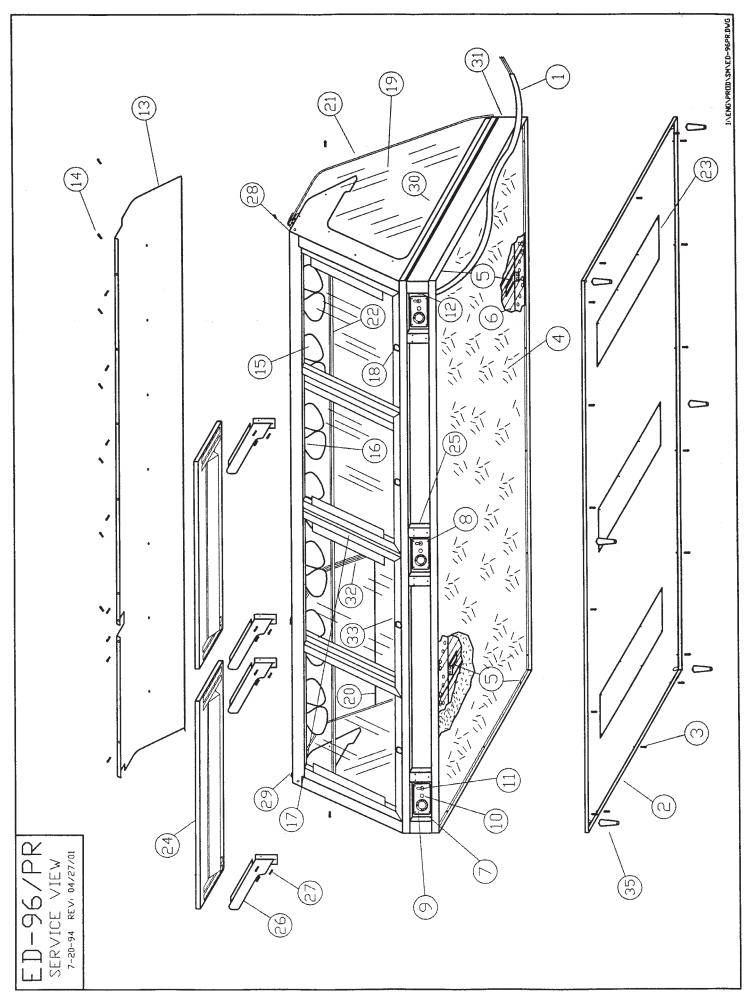
4016

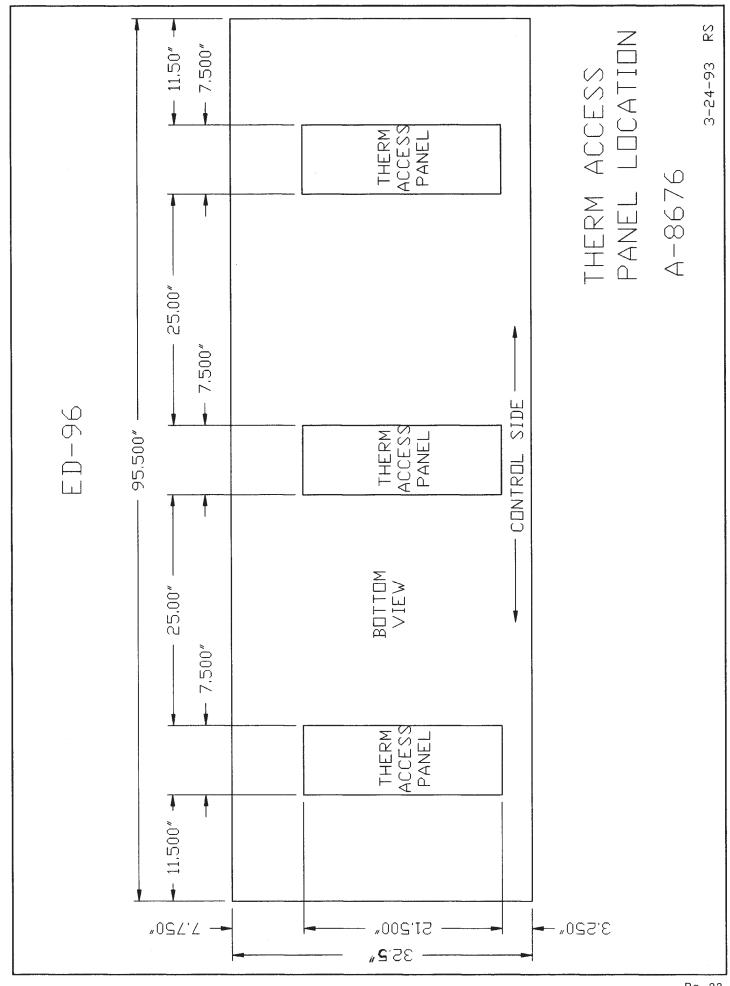
23. CAPILLARY COVER PLATE

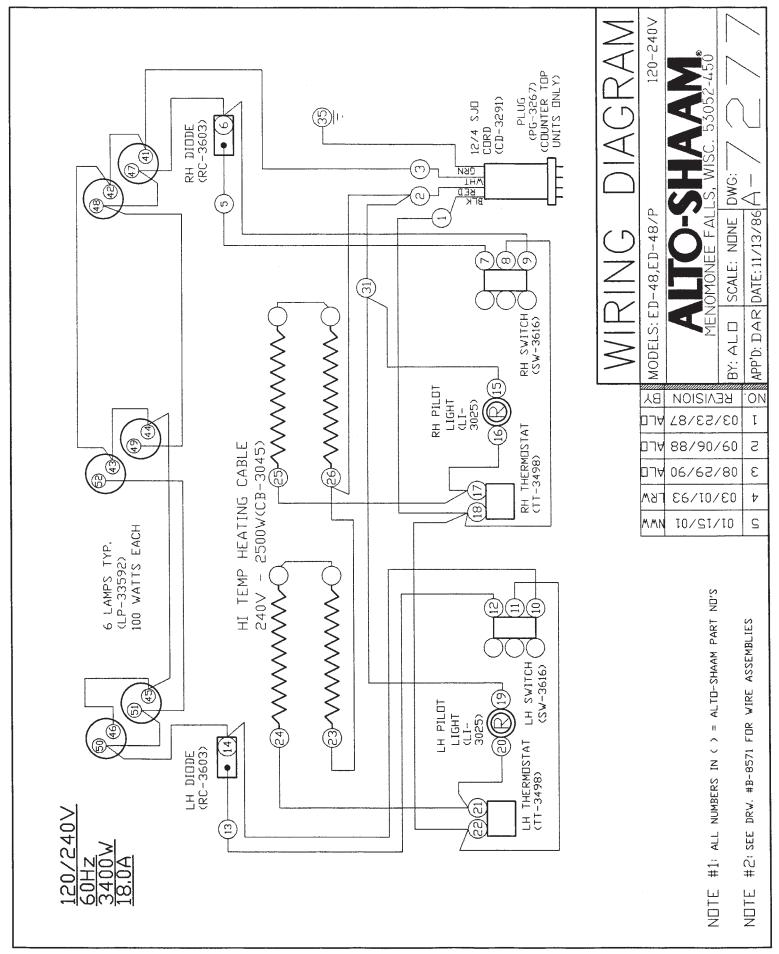
24. CUTTING BOARD ASSEMBLY

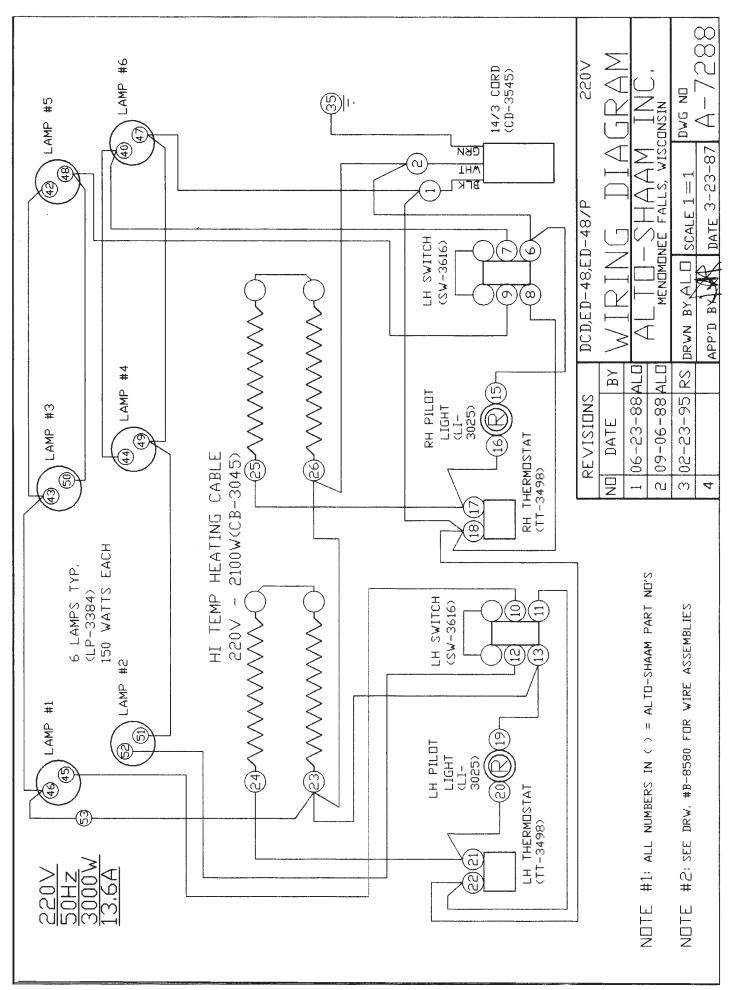
CAPILLARY PLATE MTG. SCREWS

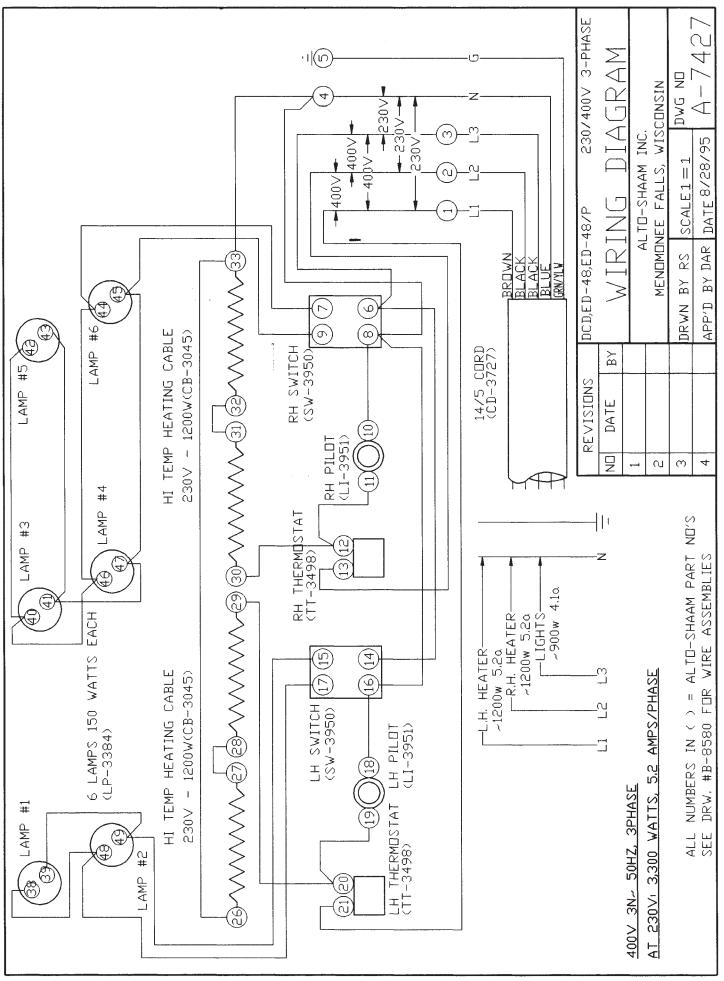
Alto-Shaam Part No. 11283 BT-2342 SC-2070 SU-2870 SU-22431

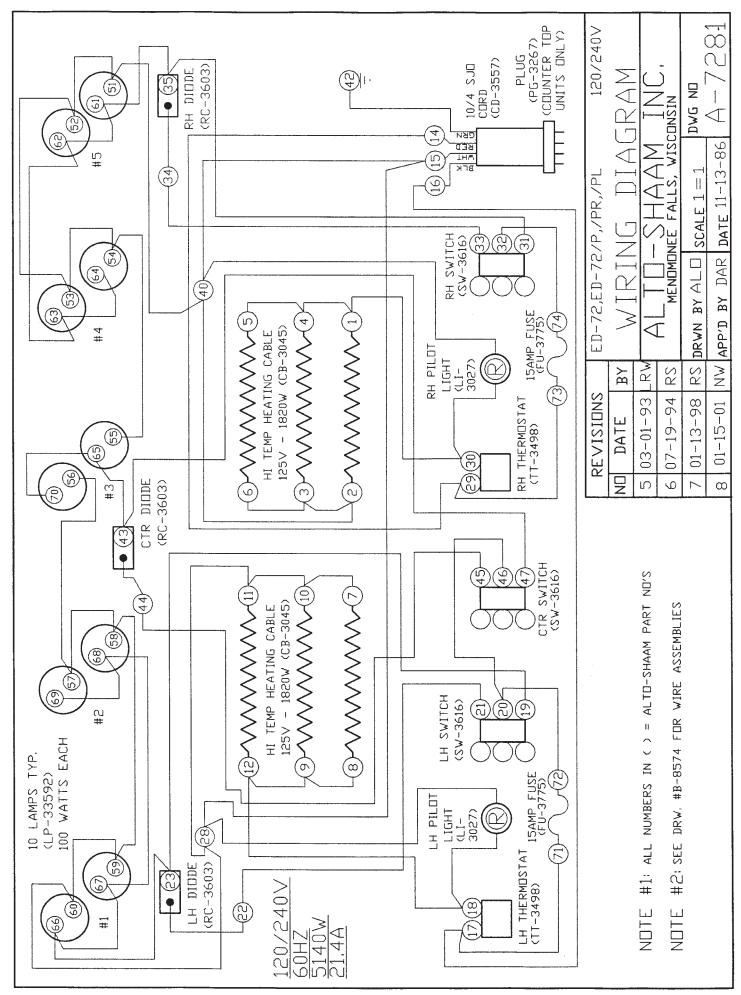


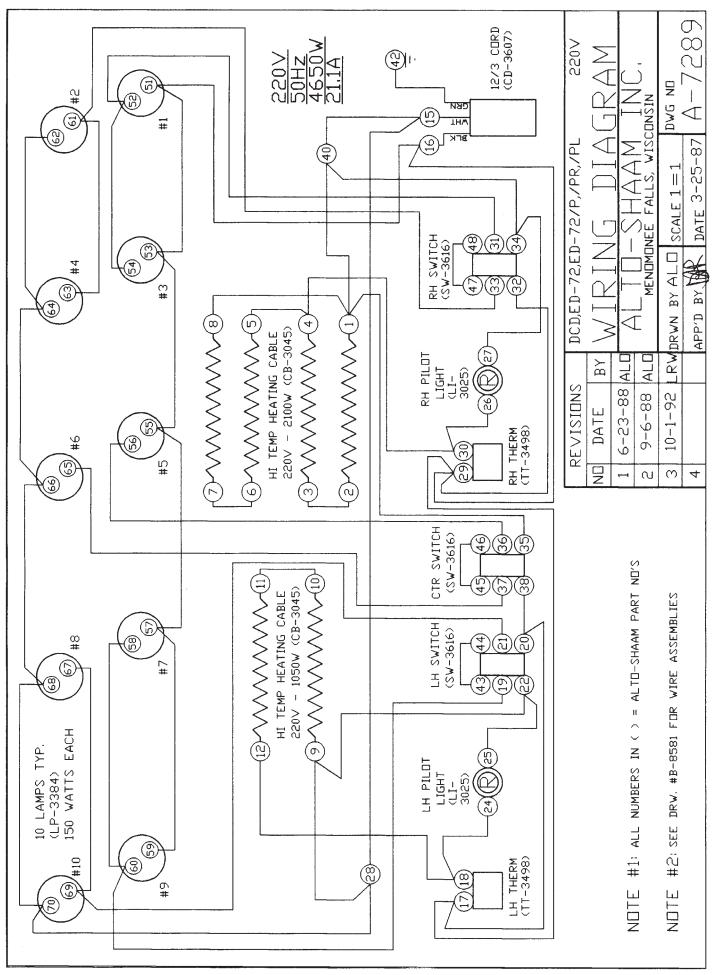




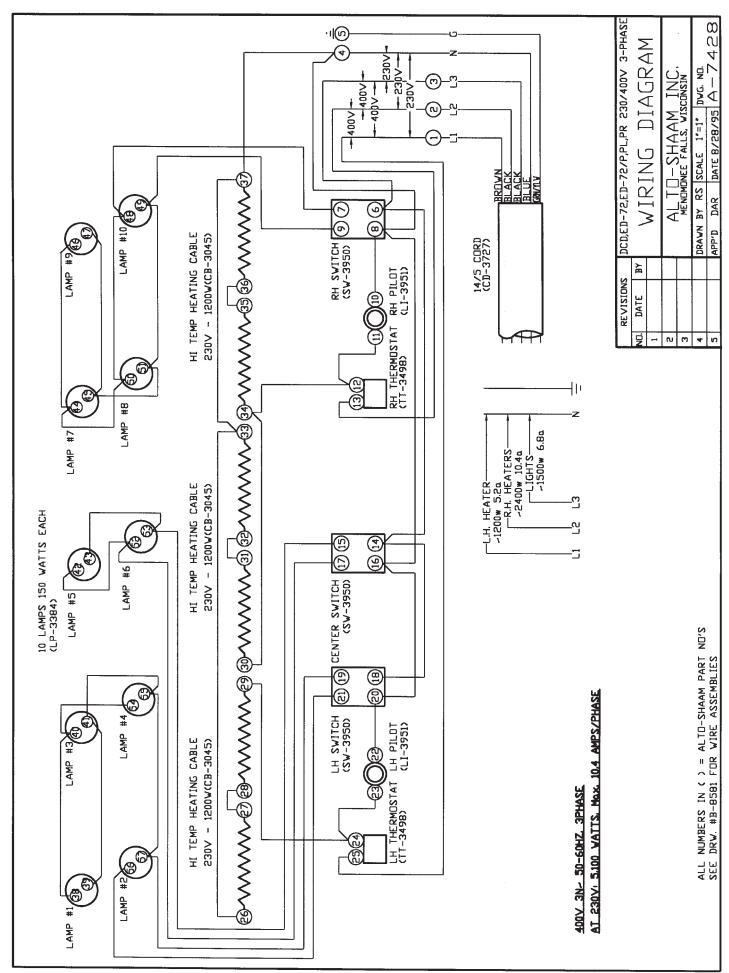


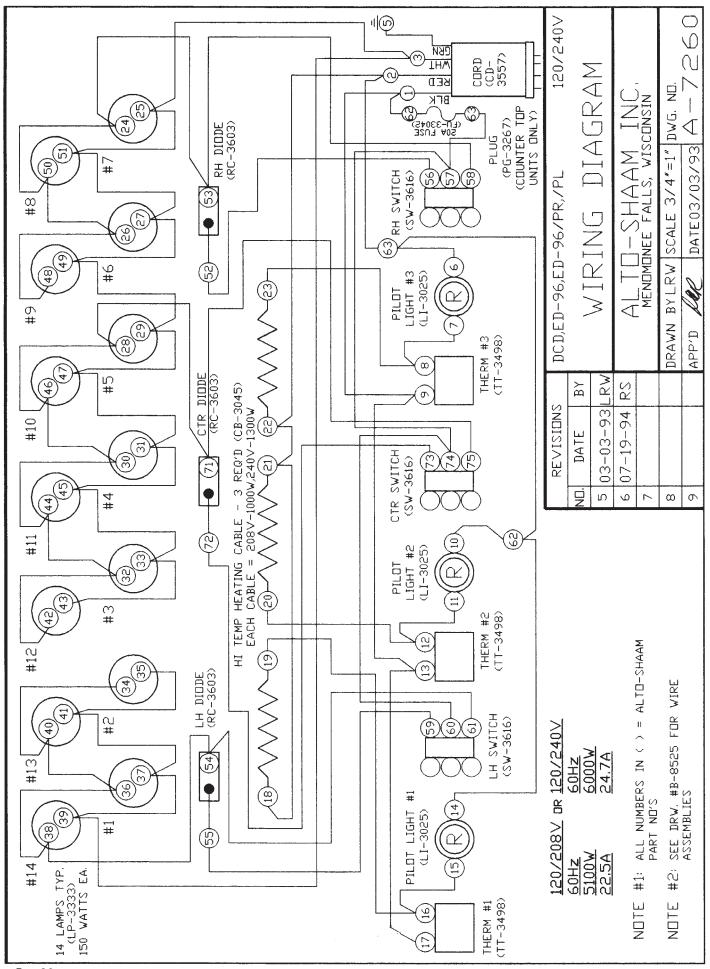


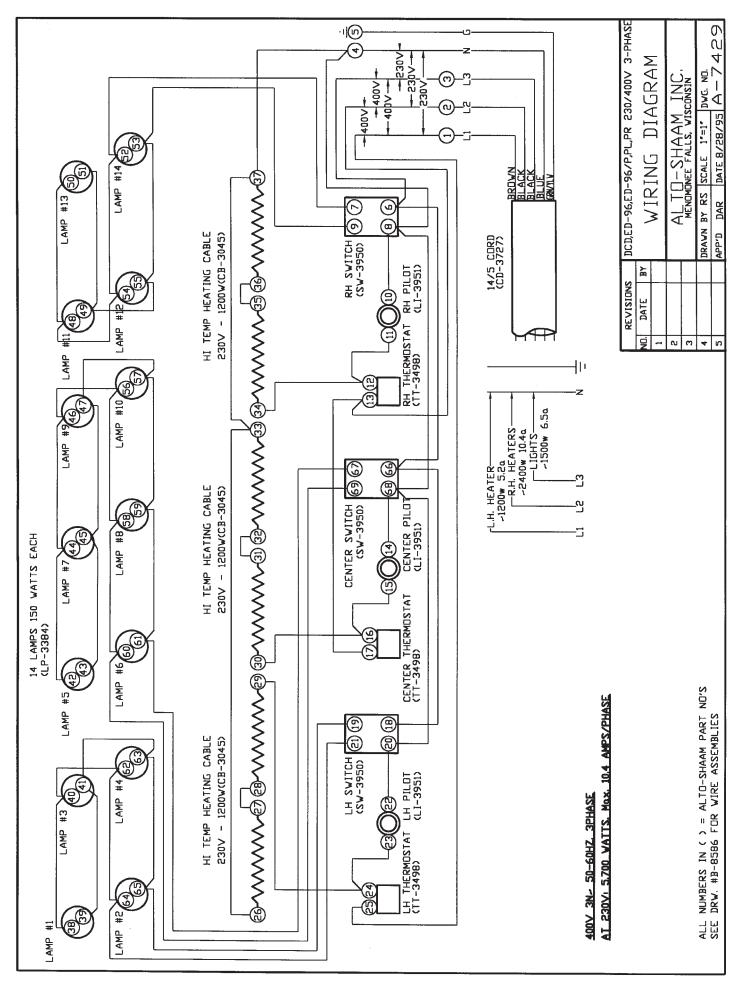




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TRANSPORTATION DAMAGE and CLAIMS



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, it is 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.

- 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.
- 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.

ALTO-SHAAM. LIMITED WARRANTY

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

The labor warranty remains in effect one (1) year from installation or fifteen (15) months from the shipping date, whichever occurs first.

The parts warranty remains in effect one (1) year from installation or fifteen (15) months from the shipping date, whichever occurs first.

Exceptions to the one year part warranty period are as listed:

- A. Halo Heat cook/hold ovens include a five (5) year parts warranty on the heating element. Labor will be covered under the terms of the standard warranty period of one (1) year or fifteen (15) months.
- B. Alto-Shaam Quickchillers include a five (5) year parts warranty on the refrigeration compressor. Labor will be covered under the terms of the standard warranty period of one (1) year or fifteen (15) months.

This warranty does not apply to:

- 1. Calibration
- 2. Replacement of light bulbs and/or the replacement of display case glass due to damage of any kind.
- 3. Equipment damage caused by accident, shipping, improper installation or alteration.
- Equipment used under conditions of abuse, misuse, carelessness or abnormal conditions.
- Any losses or damage resulting from malfunction, including loss of product or consequential or incidental damages of any kind
- 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, expressed or implied, including the implied warranties of merchantability and fitness for purpose. In no event shall the Company be liable for loss of use, loss of revenue, or loss of product or profit, or for indirect or consequential damages. This warranty is in lieu of all other warranties expressed or implied and Alto-Shaam, Inc. neither assumes or authorizes any persons to assume for it any other obligation or liability in connection with Alto-Shaam equipment.

ALTO-SHAAM, INC.

Record the model and serial numbers of the unit for easy reference.

Always refer to both model and serial numbers in your

correspondence regarding the unit.

Model:	
Serial Number:	
Purchased From:	

HALO HEAT COOK/HOLD/SERVE SYSTEMS BY ALTO-SHAAM.
W164 N9221 Water Street • P.O. Box 450 • Menomonee Falls, Wisconsin 53052-0450 • U.S.A.