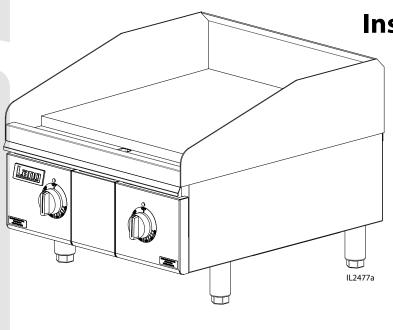




ENVIROZONE-TSTAT ELECTRIC GRIDDLE

Commercial

124ZT, 136ZT, 148ZT, 160ZT, 172ZT



124ZT

Installation and
Operation
Instructions

2M-W1823 Rev. D 03/2018







These symbols are intended to alert the user to the presence of important operating and maintenance instructions in the manual accompanying the appliance.

FOR YOUR SAFTEY

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINTIY OF THIS OR ANY OTHER APPLIANCE.

POST IN PROMINENT LOCATION

INSTRUCTIONS TO BE FOLLOWED IN THE EVENT USER SMELLS GAS. THIS INFORMATION SHALL BE OBTAINED BY CONSULTING YOUR LOCAL GAS SUPPLIER. AS A MINIMUM, TURN OFF THE GAS AND CALL YOUR GAS COMPANY AND YOUR AUTHORIZED SERVICE AGENT. EVACUATE ALL PERSONNEL FROM THE AREA.

WARNING

IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE PROPERTY DAMAGE, INJURY OR DEATH. READ THE INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS THOROUGHLY BEFORE INSTALLING OR SERVICING THIS EQUIPMENT.



WARNING

RISK OF FIRE OR ELECTRIC SHOCK DO NOT OPEN



WARNING, TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE CONTROL PANEL. NO USER-SERVICABLE PARTS INSIDE.
REPAIRS SHOULD BE DONE BY AUTHORIZED SERVICE PERSONNEL ONLY.

NOTICE

Using any part other than genuine Lang factory supplied parts relieves the manufacturer of all liability.

Lang reserves the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.

Due to periodic changes in designs, methods, procedures, policies and regulations, the specifications contained in this sheet are subject to change without notice. While Lang exercises good faith efforts to provide information that is accurate, we are not responsible for errors or omissions in information provided or conclusions reached as a result of using the specifications. By using the information provided, the user assumes all risks in connection with such use.

MAINTENANCE AND REPAIRS

Contact your local dealer for service or required maintenance. Please record the model number, serial number, voltage and purchase & Installation Information in the area below and have it ready when you call to ensure a faster service.

Model No.:	Purchased From:
Serial No.:	Location:
Voltage:	Purchase Date:
1-Phase or 3 Phase:	Installed Date:

PROBLEMS, QUESTIONS or CONCERNS

Before you proceed consult you authorized Lang service agent directory or

Call the Lang Technical Service Department at 314-678-6315

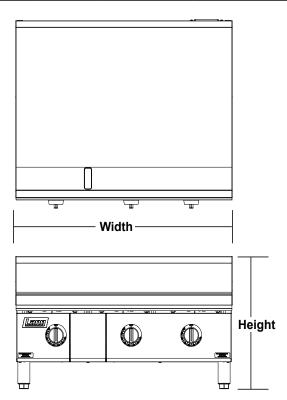
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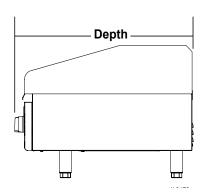
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- NOTICE The data plate is on the right side of the griddle. The griddle voltage, wattage, serial number, wire size, and clearance speci ications are on the data plate. This information should be carefully read and understood before proceeding with the installation.
- NOTICE Service on this or any other Lang appliance must be performed by qualified personnel only. Consult your Lang Authorized Service Agent Directory. You can call our service number 314-678-6315 or visit our website www.langworld.com for the service agent nearest you.

EQUIPMENT SPECIFICATIONS

Model	Din	nensions (Not includ	ding Legs)	Clearance from	We	Freight				
Model	Width	Depth	Height	combustible surface	Actual	Shipping	Class			
124ZT	24"	30.4" (77.2 cm)			243 lbs. 110 kg	280 lbs. 127 kg				
124ZTD	(61 cm)	36.5" (92.7 cm)			<u> </u>					
136ZT	36"	30.4" (77.2 cm)			368 lbs. 167 kg	410 lbs. 186 kg				
136ZTD	(91.4 cm)	36.5" (92.7 cm)							Ĭ	
148ZT	48"	30.4" (77.2 cm)	16.4" (41.6 cm)	Sides: 2",	483 lbs. 220 kg	515 lbs. 234 kg	85			
148ZTD	(121.9 cm)	cm) 36.5" (92.7 cm)		Back: 2"						
160ZT	60"	30.4" (77.2 cm)			621 lbs. 282 kg	665 lbs. 302 kg				
160ZTD	(152.4 (111)	52.4 cm) 36.5" (92.7 cm)								
172ZT	72"	30.4" (77.2 cm)			724 lbs. 329 kg	800 lbs. 364 kg				
172ZTD	(183 cm)	36.5" (92.7 cm)								





	ELECTRICAL SPECIFICATIONS																
Model	Volts	Hz.	Ph	Kw Total	A 1PH.	Supply	L1	L2	L3	Supply	Kw Total	A 1PH.	Supply	L1	L2	L3	Supply
124ZT	208/240	60	1/3	12	58	4	50	29	29	6							
136ZT	208/240	60	1/3	18	87	2	50	50	50	6							
148ZT	208/240	60	1/3	24	116	1	75	75	50	3							
160ZT	208/240	60	1/3	12	58	4	50	29	29	6	18	87	2	50	50	50	6
172ZT	208/240	60	1/3	18	87	2	50	50	50	6	18	87	2	50	50	50	6

LIMITED EQUIPMENT WARRANTY

Lang Manufacturing [as well as its subsidiaries] warranties new products to be free from defects in material and/or workmanship for a period of one [1] year from the date of original installation, except as noted below. Defects that occur as a result of normal use, within the time period and limitations defined in this warranty, will at Lang's discretion have the parts replaced or repaired by Lang or a Lang-authorized service agency.

THIS WARRANTY IS SUBJECT TO ALL LISTED CONDITIONS.

Repairs performed under this warranty are to be performed by a Langauthorized service agency. Lang will not be responsible for charges incurred or service performed by non-authorized repair agencies. In all cases, the nearest Lang-authorized service agency must be used.

Lang will be responsible for normal labor charges incurred in the repair or replacement of a warrantied product within 50 miles (80.5 km) of an authorized service agency. Time and expense charges for anything beyond that distance will be the responsibility of the owner. All labor will need to be performed during regular service hours. Any overtime premium will be charged to the owner. For all shipments outside the U.S.A. and Canada, please see the International Warranty for specific details.

It is the responsibility of the owner to inspect and report any shipping damage claims, hidden or otherwise, promptly following delivery.

No mileage or travel charges will be honored on any equipment that is deemed portable. In general, equipment with a cord and plug weighing less than 50 lb. (22.7 kg) is considered portable and should be taken or shipped to the closest authorized service agency, transportation prepaid.

CONTACT

Should you require any assistance regarding the operation or maintenance of any Lang equipment; write, phone, fax or email our service department. In all correspondence mention the model number and the serial number of your unit, as well as the voltage or type of gas you are using.

Business hours are 8:00 a.m. to 4:30 p.m. Central Standard Time Telephone 314.678.6315

Fax 314.781.2714

Email customerservice@star-mfg.com www.langworld.com

WARRANTY EXCLUSIONS

THE FOLLOWING WILL NOT BE COVERED UNDER WARRANTY.

- Any product which has not been used, cleaned, maintained, or installed in accordance with the directions published in the appropriate installation sheet and/or owner's manual as well as national and local codes, including incorrect gas, electrical, or water connection. Lang is not liable for any unit which has been mishandled, abused, misapplied, subjected to chlorides, harsh chemicals, or caustic cleaners, damaged from exposure to hard water, modified by unauthorized personnel, damaged by flood, fire, or other acts of nature [or God], or which have an altered or missing serial number.
- Installation, labor, and job checkouts, calibration of heat controls, air and gas burner/bypass/pilot adjustments, gas or electrical system checks, voltage and phase conversions, cleaning of equipment, or seasoning of griddle surface.
- Replacement of fuses or resetting of circuit breakers, safety controls, or reset buttons.
- Replacement of broken or damaged glass components, quartz heating elements, and light bulbs.
- Labor charges for all removable parts in gas charbroilers and hotplates, including but not limited to burners, grates, and radiants.
- Any labor charges incurred by delays, waiting time, or operating restrictions that hinder a service technician's ability to perform service.
- Parts that fail or are damaged due to normal wear or labor for replacement of Items that can easily be replaced during a daily cleaning routine. such as but not limited to silicone belts, PTFE non-stick sheets, knobs, control labels, bulbs, fuses, quartz heating elements, baskets, racks, and grease drawers.
- Components that should be replaced when damaged or worn, but have been field-repaired instead [eg. field-welded fry pots]
- Any loss of business or profits.

ADDITIONAL WARRANTIES

Specialty/chain specific versions may also have additional and/or extended warranties.

PRODUCTS	PARTS	LABOR
Lang Chef-Series™	2 years	2 years
convection ovens	2 years	2 years
Lang Strato-Series™	2 years	2 years
convection ovens	2 years	2 years
Lang convection oven doors	lifetime	2 years
[excluding hardware]		
Lang griddles and charbroilers	2 years	2 years
chrome griddle surfaces [against	5 voors	
peeling]	5 years	
cast iron grates, burners,	180 days	
and burner shields	100 days	
original Lang parts sold to repair	00.1	
Lang equipment	90 days	
Service First	1 year	
	_	

Receiving the Griddle

Upon receipt, check for freight damage, both visible and concealed. Visible damage should be noted on the freight bill at the time of delivery and signed by the carrier's agent. Concealed loss or damage means it does not become apparent until the merchandise has been unpacked. If concealed loss or damage is discovered upon unpacking, make a written request for inspection by the carrier's agent within 15 days of delivery. All packing



material should be kept for inspection. Do not return damaged merchandise to Star Manufacturing Company. File your claim with the carrier.

Location

Prior to un-crating, move the griddle as near to its intended location as practical. The crating will help protect the unit from the physical damage normally associated with moving it through hallways and doorways.

Un-crating

The griddle will arrive completely assembled inside a wood frame and strapped to a skid. Cut the straps and remove the wood frame.

The griddle can now be removed from the skid.

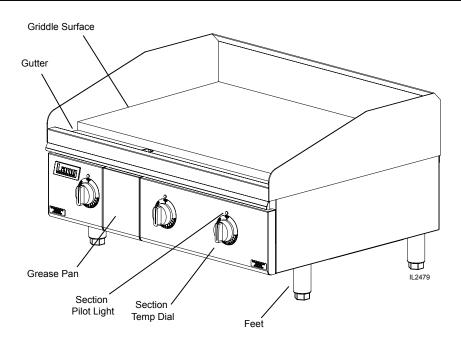
THE UNIT IS EXTREMELY HEAVY. FOR SAFE HANDLING, INSTALLER SHOULD OBTAIN HELP AS NEEDED, OR EMPLOY APPROPRIATE MATERIALS HANDLING EQUIPMENT (SUCH AS A FORKLIFT, DOLLY, OR PALLET JACK) TO REMOVE THE UNIT FROM THE SKID AND MOVE IT TO THE PLACE OF INSTALLATION.



CAUTION ANY STAND, COUNTER OR OTHER DEVICE ON WHICH GRIDDLE WILL BE LOCATED MUST BE DESIGNED TO SUPPORT THE WEIGHT OF THE GRIDDLE.

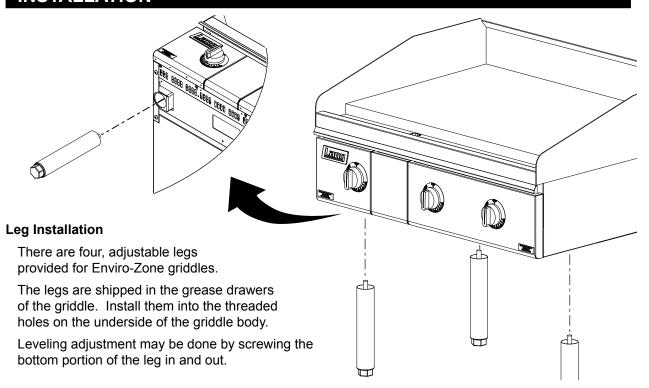
WARNING SHIPPING STRAPS ARE UNDER TENSION AND CAN SNAP BACK WHEN CUT.

EQUIPMENT DESCRIPTION



2M-W1823, Envirozone T-Stat Electric Griddle

INSTALLATION





THIS APPLIANCE MUST BE GROUNDED AT THE TERMINAL PROVIDED. FAILURE TO GROUND THE APPLIANCE COULD RESULT IN ELECTROCUTION AND DEATH.



INSTALLATION OF THE UNIT MUST BE DONE BY PERSONNEL QUALIFIED TO WORK WITH ELECTRICITY. IMPROPER INSTALLATION CAN CAUSE INJURY TO PERSONNEL AND/OR DAMAGE TO EQUIPMENT. UNIT MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES.

NOTICE:

The data plate is located on the right side of the griddle. The grill voltage, wattage, serial number, wire size, and clearance specifications are on the data plate. This information should be carefully read and understood before proceeding with the installation.

NOTICE:

The installation of any components such as a vent hood, grease extractors, fire extinguisher systems, must conform to their applicable National, State and locally recognized installation standards.



ALWAYS KEEP THE AREA NEAR THE APPLIANCE FREE FROM COMBUSTIBLE MATERIALS.



KEEP FLOOR IN FRONT OF EQUIPMENT CLEAN AND DRY. IF SPILLS OCCUR, CLEAN IMMEDIATELY, TO AVOID THE DANGER OF SLIPS OR FALLS.

INSTALLATION cont.

Ventilation and Clearances

Standard minimum clearance from combustible construction is as follows.

2" from side

2" from back

These griddles may be set directly, without legs, on a curbed base or non-combustible surface.

If the griddle is set without legs on a **non-combustible** floor or a curbed base, maintain a 4-inch back clearance.

Do not install the griddle directly against a non-combustible back wall or surface.

Do not install the griddle closer than 12 inches from an uncontrolled heat source (char broiler etc.).

Keep the appliance area free and clear of combustible material and do not obstruct the flow of combustion or ventilation air.

Electrical Connection

Detach cover on junction box at rear of unit. There is one power supply connection on the 2, 3, and 4-foot griddles. There are two power supply connections on 5 and 6-foot griddles. Refer to the power supply chart in the Technical Specification Data portion of this manual (pg 4 & 5), for proper power supply size.

There is (1) one 1 1/4-inch conduit knockout on 2, 3 and 4-foot griddles located at the rear of the griddle, through the back and the bottom of the griddle body. There are (2) two 1 1/4-inch conduit knockouts provided on the 5 and 6-foot griddles. Use a supply wire suitable for at least 90°C/194°F.

This griddle is shipped from the factory set up for a three phase service. On 208V, 220V & 240V the wiring can be changed in the supply terminal junction box to convert the griddle to single phase.

				NOMINAL AMPS PER LINE									
				THREE PHASE								SINGLE	E PHASE
MOE	DEL	TOTAL		208 Volt		240 Volt			480 Volt				
NUM	BER	K.W.	L1	L2	L3	L1	L2	L3	L1	L2	L3	208V	240V
24	."	12	50	28.8	28.8	43.3	25	25	21.7	12.5	12.5	57.7	50
36)"	18	50	50	50	43.3	43.3	43.3	21.7	21.7	21.7	86.5	75
48	3"	24	75	75	50	65	65	43.3	32.5	32.5	21.7	115.5	100
	#1	18	50	50	50	43.3	43.3	43.3	21.7	21.7	21.7	86.5	75
60"	#2	12	50	28.8	28.8	43.3	25	25	21.7	12.5	12.5	57.7	50
	#1	18	50	50	50	43.3	43.3	43.3	21.7	21.7	21.7	86.5	75
72"	#2	18	50	50	50	43.3	43.3	43.3	21.7	21.7	21.7	86.5	75

Technical Data Re-Phasing

All griddles are shipped from the factory set up for a three-phase service. Rearrange the wires in the power supply terminal block to convert the griddle to single phase. Re-phasing the griddle is not chargeable to Lang Manufacturing Company as warranty. To convert to single-phase have a Lang Authorized Service Agent, follow this chart.

PHASING BY WIRE NUMBER								
MODEL	TH	IREE PHA	SINGLE PHASE					
NUMBER	LINE 1	LINE 2	LINE 3	LINE 1	LINE 2			
124T	1,4	2	3	1,3	2,4			
136T	1,4	2,5	3,6	1,3,5	2,4,6			
148T	1,4,7	2,5,8	3,6	1,3,5,7	2,4,6,8			
160T #1	1,4	2,5	3,6	1,3,5	2,4,6			
160T #2	1,4	2	3	1,3	2,4			
172T #1	1,4	2,5	3,6	1,3,5	2,4,6			
172T #2	1,4	2,5	3,6	1,3,5	2,4,6			

INITIAL START UP

Pre-Power On

Before starting the griddle for the first time, clean the griddle body and cooking surface.

Use a mild soap and water solution, then rinse with clear water and dry.

The griddle is shipped with a protective coating and craft paper covering the cooking surface.

This MUST be removed before heating the cooking surface. After removing the craft paper, the coating can be scrapped from the cooking surface and then wiped with a dry cloth.

Power On

Set the temperature dials to 200°F (93°C).

Heat the griddle at 200°F (93°C) for 2 hours to evaporate any moisture that may be in the elements.

Wipe surface again with dry cloth to remove any residue that still remains.

After 2 hours at 200°F (93°C), turn the temperature up to 350°F (176°C) for ½ hour.

After the griddle reaches $350^{\circ}F$ ($176^{\circ}C$) for ½ hour, turn the griddle up another $50^{\circ}F$ ($10^{\circ}C$) for another ½ hour and repeat this until it is at $450^{\circ}F$ ($232^{\circ}C$) for ½ hour.

The unit may emit a small amount of smoke as the cooking surface passes the 300°F (148°C) point. Do not be alarmed as the smoke is caused by oils associated with the manufacturing process and will stop when the griddle reaches 350°F (176°C).

Seasoning Cooking Surface

The cooking surface must be "seasoned" in order to eliminate product sticking during cooking.

To season, heat the griddle to 250°F (121°C).

Once at 250°F (121°C), coat the cooking surface with non-salted vegetable oil.

Allow the griddle to stand at 250°F (121°C) until the cooking surface looks dry then coat it again.

Heat the griddle to 350°F (176°C) and repeat the procedure.

NOTICE:

During the first few hours of operation you may notice a small amount of smoke coming off the griddle, and a faint odor from the smoke. This is normal for a new griddle and will disappear after the first few hours of use.

OPERATION

General

The suggested time and temperature chart (below) is provided as a guide for the products listed only.

If different temperature settings are to be used, select one side of the griddle and operate at the lowest temperature. Adjoining sections should be set at progressively higher temperatures. Do not try to operate the end sections hot and the center sections cool.



ALWAYS KEEP THE AREA NEAR THE APPLIANCE FREE FROM COMBUSTIBLE MATERIALS.

KEEP FLOOR IN FRONT OF EQUIPMENT CLEAN AND DRY. IF SPILLS OCCUR, CLEAN IMMEDIATELY, TO AVOID THE DANGER OF SLIPS OR FALLS.

SUGGESTED TIMES AND TEMPERATURES					
PRODUCTS	TEMPERATURE F/C	TIME (MIN)			
HAMBURGER					
2 patties per LB	350°F / 176°C	6 to 8			
4 patties per LB	350 F/1/6 C	4 to 6			
6 patties per LB		3 to 4			
STEAKS					
1/2 to 3/4 inch thick, cooked medium	27595 / 40090	5 to 7			
3/4 to 1 inch thick, cooked medium	375°F / 190°C	8 to 10			
Lamb Chops	350°F / 176°C	6 to 8			
Pork Chops		6 to 8			
Salmon	350°F / 176°C	6 to 8			
Halibut	325°F / 162°C	6 to 8			
Snapper	323 1 7 102 0	6 to 8			
Hash Brown Potatoes	375°F / 190°C	3 to 4			
Bacon	25095 /47090	3 to 4			
Sausage Links or Patties	350°F / 176°C	3 to 4			
Ham (Pre-cooked)	375°F / 190°C	2			
 Eggs	275°F / 135°C	2 to 4			

Note: The times and temperatures in this chart are intended as a general guide and starting point. Your actual times and temperatures may vary from this chart.

Loading the Griddle

An understanding of how the griddle sections are controlled will be a valuable aid in loading product on your unit.

Each 12-inch section of your griddle is independently controlled by a temperature controller.

The temperature control sensor is mounted in the center of each cooking section under the griddle plate.

If the product is loaded directly over the temperature sensor, that section will turn on and the burner will heat the entire cooking section. If the product is loaded to the side, front or back of the temperature sensor, the thermostat will react to the temperature change much slower.

During slow periods with minimal loads, do not load directly over the thermostat sensors as this will unnecessarily turn the burners on and overheat the remainder of the section not being utilized.

Turn the product and continue cooking until it has reached its desired degree of doneness.

Remove the product from the griddle

When reloading the griddle, first use the griddle surface on which a previous load was not placed.
This will help insure the proper griddle temperature.

2M-W1823, Envirozone T-Stat Electric Griddle

MAINTENANCE & CLEANING

Cleaning

- Always start with a cold griddle.
- The stainless exterior can easily be cleaned using a good non-abrasive cleaner.
- Always follow the cleaner manufacturer's instructions when using any cleaner.
- Always apply these cleaners when the griddle is cold and rub in the direction of the metal's grain.

Griddle Surface Care (non-chromium surfaces)

It takes very little time and effort to keep the griddle attractive and performing at top efficiency. If grease is permitted to accumulate, it will form a gummy cake and then carbonize into a hard substance which is extremely difficult to remove. To prevent this condition, the following suggestions for cleanliness should be followed:

 After each use, scrape the griddle with a scraper or flexible spatula to remove excess grease and food. A waste drawer is provided for the scrapings. If there is an accumulation of burned on grease and food, the griddle should be thoroughly scoured and re-seasoned. Use pumice or griddle stone while the griddle is warm.

Do not use steel wool because of the danger of steel slivers getting into the food.

Daily Cleaning

Empty the grease drawer or whenever it is 3/4 full. It is easily removed for washing.



USE CAUTION WHEN REMOVING THE RELEASE DRAWER AS IT CONTAINS HOT GREASE.

Clean the exterior of the appliance with hot water and mild detergent to maintain a gleaming appearance.

Keep the griddle surface clean. After each cooking load scrape the griddle surface to remove any carbonized grease.

Weekly Cleaning

Once a week or when necessary the griddle surface should be cleaned and seasoned. Use a griddle stone, griddle pad, or liquid cleaner. Rub with the grain of the metal, being careful not to scrape the splash guard.

A mild detergent with water or one of the many commercial griddle cleaners may be used.

Be sure to rinse thoroughly and coat the cooking surface with a thin film of oil to prevent rusting.

Season the griddle plate after each cleaning.

GRIDDLE CARE (CHROME SURFACES)

(Chrome surface griddles are marked with "CHS" at the end of the model number designation on the nameplate.) It takes very little time and effort to keep this Industrial Chrome griddle surface sparkling clean and performing at top efficiency. **DO NOT** allow grease to accumulate as it will carbonize and become difficult to remove.

To prevent this condition, the following cleaning suggestions should be followed:

- 1. Remove excess oil and food regularly with a 4" (100mm) wide razor sharp type scraper and wipe surface with a damp cloth if desired.
- 2. Following the scraping, for end of the day cleaning, a damp cloth and a non-silicated, non-abrasive, non-chlorinated cleaner such as Bon-Ami may be used to wipe surface clean, followed by wiping with clean wet cloth.
- 3. Follow daily cleaning steps for Non-Chrome Surfaces.

Note: All Chrome griddles come with: a scrapper (p/n: 2P-50100-15) Bon-Ami Cleaner (p/n: 2P-50100-16) and a 20" Palmyra Brush (p/n: 2P-50100-17).

ON CROME SURFACES:

- 1. Never use pumice, griddle stones, or abrasives on the surface.
- 2. Never strike the griddle surface with a sharp instrument or spatula edge.
- 3. Never use steel wool.
- 4. Never use commercial liquid grill cleaner on the griddle surface.
- 5. Abusing the surface voids the warranty.



KEEP WATER AND SOLUTIONS OUT OF CONTROLS. NEVER SPRAY OR HOSE CONTROL CONSOLE.

MOST CLEANERS ARE HARMFUL TO THE SKIN, EYES, MUCOUS MEMBRANES AND CLOTHING. PRECAUTIONS SHOULD BE TAKEN TO WEAR RUBBER GLOVES, GOGGLES OR FACE SHIELD AND PROTECTIVE CLOTHING. CAREFULLY READ THE WARNING AND FOLLOW THE DIRECTIONS ON THE LABEL OF THE CLEANER TO BE USED.

NOTICE:

Never leave a chlorine sanitizer in contact with stainless steel surfaces longer than 10 minutes. Longer contact can cause corrosion.

2M-W1823, Envirozone T-Stat Electric Griddle

TROUBLESHOOTING

Symptoms

What follows is a chart of Symptoms and Possible Causes to aid in diagnosing faults with the griddle.

Refer to the Symptoms column to locate the type of failure then to the Possible Cause for the items to be checked.

To test for a possible causes refer to the TEST section and locate the Possible Cause then refer to test to identify test procedures.

SYMPTOM	POSSIBLE CAUSE
Whole Griddle will not heat	No Power to Griddle
One Section will not heat	Failed contactor
One Section will not near	Failed Element.
Droduct Durning	Product left on griddle too long
Product Burning	Out of Calibration
Product Under cooked	Product removed too soon
Floduct Officer Cooked	Out of Calibration

POSSIBLE CAUSE	TEST
Product is cooked too long	No test available, operational condition
Failed Contactor	Remove the wires from the contactor coil and check for continuity across the contactor coil connection*
Talled Contactor	 Ensure the contactor moveable points move freely up and down*
Failed Element	Confirm that Elements are getting correct voltage and have continuity*

If an item on the list is followed by an asterisk (*), the work should be done by a factory authorized service representative.

NOTICE:

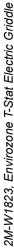
Service on this, or any other, LANG appliance must be performed by qualified personnel only. Consult your Lang Authorized Service Agent Directory or call the factory at 314-678-6315, or www.langworld.com For the service agent nearest you.

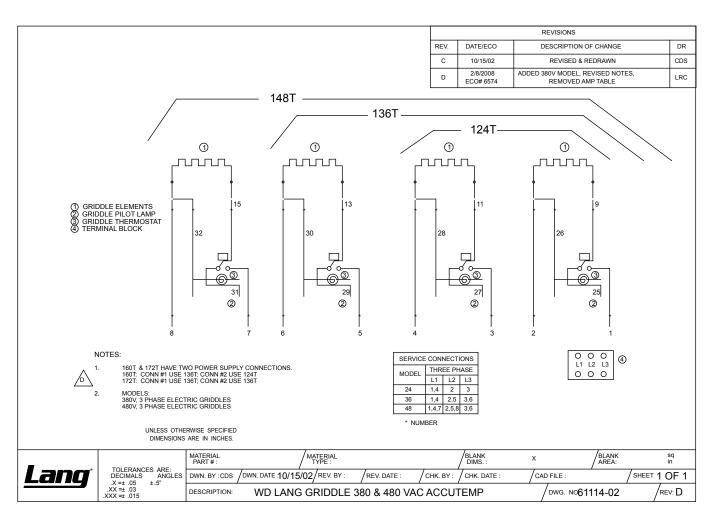


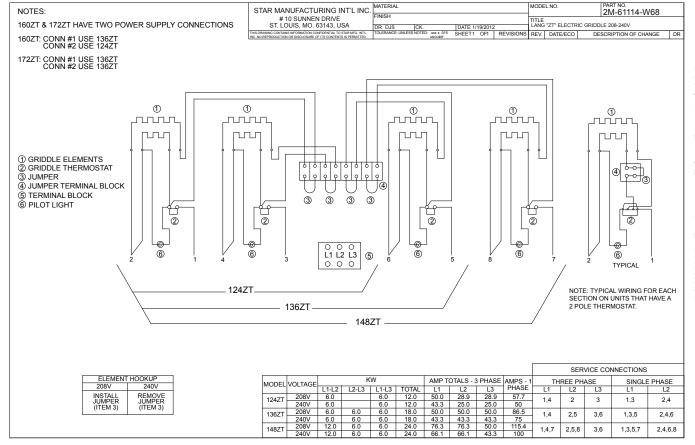
BOTH HIGH AND LOW VOLTAGES ARE PRESENT INSIDE THIS APPLIANCE WHEN THE UNIT IS PLUGGED/WIRED INTO A LIVE RECEPTACLE. BEFORE REPLACING ANY PARTS, DISCONNECT THE UNIT FROM THE ELECTRIC POWER SUPPLY.

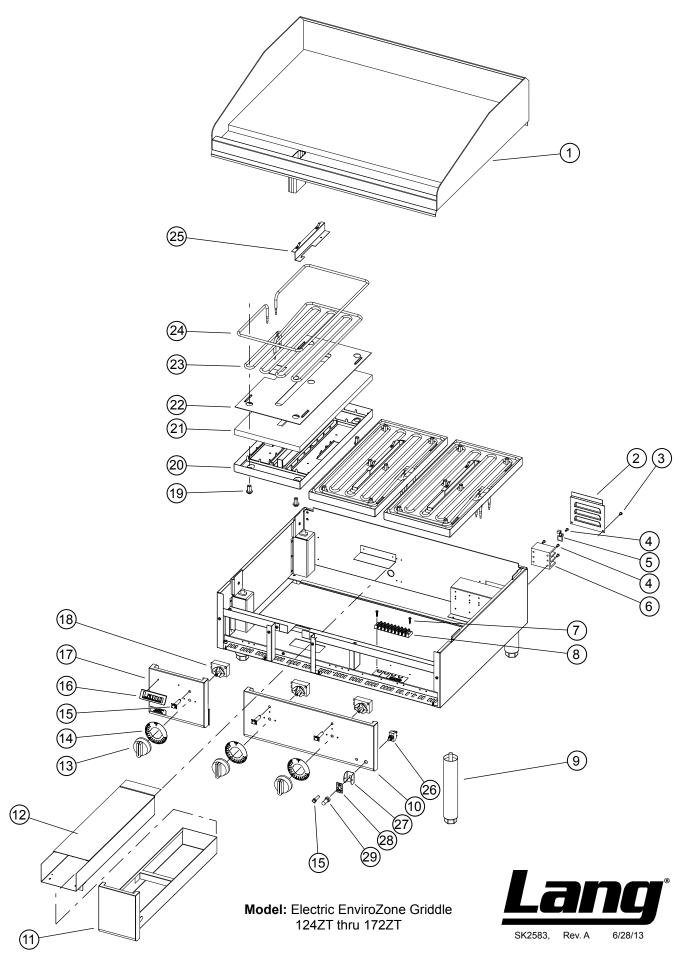


USE OF ANY REPLACEMENT PARTS OTHER THAN THOSE SUPPLIED BY LANG OR THEIR AUTHORIZED DISTRIBUTORS CAN CAUSE BODILY INJURY TO THE OPERATOR AND DAMAGE TO THE EQUIPMENT AND WILL VOID ALL WARRANTIES.









Griddle
Electric
T-Stat
Envirozone
2M-W1823,

Model: 124ZT EnviroZone Electric Griddle						
Fig No.	Part Number	Description	Quantity	Application		
	K9-142-201-23	GRIDDLE PLATE ASSY - 2'ZT		124ZT		
1	K9-142-201-323	GRIDDLE PLATE ASSY -2' ZTD	1 1	124ZTD		
	K9-142-201-23-2	GRIDDLE PLT ASSY-2'ZT CHROME		124ZTCHE		
2	K9-XL-507-2	REAR COVER - ZT	1	124ZT		
3	2C-20102-12	SCRW PHD ST 10-32X3/8	14	124ZT		
4	2C-20102-21	SCRW PHD ST 10-32X1/2 PLT	5	124ZT		
5	Y9-31200-02-1	GROUNDING LUG/+LABEL	2	124ZT		
6	2E-30500-07	TRM BLOCK 3PLELRGE 125AMP	1	124ZT		
7	2C-20103-01	SCRW SM PLT 10X7/8 PHIL	2	124ZT		
8	2E-30500-22	TRMINL STRP 8POLE 50A250V	1	124ZT		
9	2A-72500-20	LEG 10.25 WITH ADJ HEX	4	124ZT		
40	K9-142-231-21	FRONT PANEL - RIGHT WELDMT		124ZT		
10	K9-142-231-11	FRONT PANEL ASSY-RT W/CSE12	1	124ZTCHE		
44	K9-141-251	ODE A OF DD AMED A COM		124ZT		
11	K9-141-252	GREASE DRAWER ASSY	1	124ZTD		
40	K9-141-161-3W1	ODE A OF DD AWED OLIDE WELD		124ZTD		
12	K9-141-161-W1	GREASE DRAWER SLIDE WELD	1	124ZT		
40	2R-W498-2	KNOB-RED, METAL INSERT .188	_	Mfg after 6-4-2013		
13	2R-W498	KNOB-RED	2	Mfg before 6-3-2013		
14	2M-W728-W4	LABEL - CONTROL 200-550F	2	124ZT		
45	Y9-31601-01-1	PILOT LT 250V W/TIN CLIP	2	124ZT		
15	Y9-31601-02-1	PILOT LT 480V W/TIN CLIP	2	124ZTD-480V		
16	K9-60301-43-1	DIE CAST LOGO + TINNERMAN	1	124ZT		
17	K9-142-241	FRONT PANEL-LEFT END 2FT	1	124ZT		
18	2T-30402-07	STAT ADJ 550o 48 C/T	2	124ZT		
19	K9-XL-532	BOLT AND SCREW ASSY	12	124ZT		
20	K9-XL-434-1	(9-XL-434-1 ELEMENT PAN SPOTWELD		124ZT		
20	K9-XL-434-2	ELEMENT PAN SPOTWELD-30"D	2	124ZTD		
21	K9-XL-424-1	ELEMENT PAN INSULATION	2	124ZT		
<u></u>	K9-XL-424-2	ELEMENT PAN INSUL 30" DEEP		124ZTD		
22	K9-XL-429	ELEMENT PLATE GUIDE WLDMT	2	124ZT		
	K9-XL-429-1			124ZTD		
	2N-11030-29	ELE GRD 208/240V4.5KW/6KW		124ZT		
23	2N-11030-29-1	DUAL VOLTAGE ELEMENT-30"D	2	124ZTD		
	2N-11030-31-1	480V ELEMENT 30"		124ZTD-480V		
24	2N-11030-30	ELMNT GRID 208V 1257W	2	124ZT		
	2N-11030-30-1	PERIMETER ELEMENT-30"D		124ZTD		
25	K9-XL-505	BULB HOLDER ASSY - ELECT	2	124ZT		
NI	2M-61114-W68	WD EZONE T'STAT GRIDDLE	AR	124ZT		
NI	2P-50100-15	GRIDDLE SCRAPER 12"	1	CHROME UNITS		
NI	2P-50100-16	BOM AMI CLEANER	1	CHROME UNITS		
NI	2P-50100-17	20" PALMYRA BRUSH	1	CHROME UNITS		



PARTS LIST

		Model: 136ZT EnviroZone Ele	ectric Griddle	
Fig No.	Part Number	Description	Quantity	Application
Fig No.	K9-142-201-33	GRIDDLE PLATE ASSY - 3'ZT	Quantity	136ZT
1	K9-142-201-33-1	GRID PLATE ASSY-3' ZT		136ZTC
	K9-142-201-333	GRIDDLE PLATE ASSY -3' ELEC		136ZTD
	K9-142-201-3330	GRIDDLE PLASY 3' EL DP CH	'	136ZTDC
	K9-142-201-33-3 K9-XL-507-2	GRIDDLE PL. ASSY-3" ZT W.	1	136ZTHE
2		REAR COVER - ZT	1	136ZT
3	2C-20102-12	SCRW PHD ST 10-32X3/8	19	136ZT
4	2C-20102-21	SCRW PHD ST 10-32X1/2 PLT	5	136ZT
5	Y9-31200-02-1	GROUNDING LUG/+LABEL	2	136ZT
6	2E-30500-07	TRM BLOCK 3PLELRGE 125AMP	1	136ZT
7	2C-20103-01	SCRW SM PLT 10X7/8 PHIL	2	136ZT
8	2E-30500-22	TRMINL STRP 8POLE 50A250V	1	136ZT
9	2A-72500-20	LEG 10.25 WITH ADJ HEX	4	136ZT
10	K9-142-245	FRONT PANEL - RIGHT END	1	136ZT
	K9-142-245-13		·	136ZTHE-380V
11	K9-141-251	GREASE DRAWER ASSY	1	136ZT
	K9-142-251	42-251 41-161-W1	'	136ZTD
12	K9-141-161-W1	GREASE DRAWER SLIDE WELD	1	136ZT
12	K9-142-161-W1	GILLAGE DIVAWER GEIDE WEED	'	136ZTD
13	2R-W498-2	KNOB-RED, METAL INSERT .188		Mfg after 6-4-2013
13	2R-W498	KNOB-RED	3	Mfg before 6-3-2013
14	2M-W728-W4	LABEL - CONTROL 200-550F	3	136ZT
	Y9-31601-01-1	DILOT LT 250V W/TIN CLID	3	136ZT
15		PILOT LT 250V W/TIN CLIP	4	136ZTHE
	Y9-31601-02-1	PILOT LT 480V W/TIN CLIP	3	136ZT-480V,136ZTHE-380V
16	K9-60301-43-1	DIE CAST LOGO + TINNERMAN	1	136ZT
17	K9-142-241	FRONT PANEL-LEFT END 2FT	1	136ZT
18	2T-30402-07	STAT ADJ 550o 48 C/T	3	136ZT
19	K9-XL-532	BOLT AND SCREW ASSY	18	136ZT
	K9-XL-434-1			136ZT
20	K9-XL-434-2	ELEMENT PAN SPOTWELD	3	136ZTD
	K9-XL-424-1	ELEMENT PAN INSULATION	_	136ZT
21	K9-XL-424-2	ELEMENT PAN INUSL 30" DEEP	3	136ZTD
	K9-XL-429			136ZT
22	K9-XL-429-1	ELEMENT PLATE GUIDE WLDMT	3	136ZTD
	2N-11030-29	ELE GRD 208/240V4.5KW/6KW		136ZT
	2N-11030-29-1	DUAL VOLTAGE ELEMENT-30"D		136ZTD
23	2N-11030-04	ELMNT GRID 380V 5991W	3	136ZTHE-380V
20	2N-11030-31	ELMNT GRID 480V 5991W	─ 	136ZT-480V
	2N-11030-31-1	480V ELEMENT 30"		136ZTD-480V
	2N-11030-31-1	ELMNT GRID 208V 1257W		136ZT
24	2N-11030-30-1	PERIMETER ELEMENT-30"D	3	136ZTD
25	K9-XL-505	BULB HOLDER ASSY - ELECT	3	136ZT
20 *	2M-61114-W68	WD EZONE T'STAT GRIDDLE	AR	136ZT
26	2E-Z12020	SWITCH-TOGGLE 2P ST	1 1	136ZTHE
	 		- 	<u> </u>
27	Z1-70-07-0343	SWITCH GUARD	1 1	136ZTHE
28	2M-12-07-0038	LABEL ON & OFF	1 1	136ZTHE
29	2I-05-07-0013	BOOT SWITCH	1 1	136ZTHE
NI	2P-50100-15	GRIDDLE SCRAPER 12"	1	CHROME UNITS
NI	2P-50100-16	BOM AMI CLEANER	1	CHROME UNITS
NI	2P-50100-17	20" PALMYRA BRUSH	1	CHROME UNITS



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	Мо	del: 148ZT EnviroZone Electric Gri	iddle	
Fig No.	Part Number	Description	Quantity	Application
<u> </u>	K9-142-201-3430	GRIDDLE PLATE ASSY - 4'ZTDC		148ZTDC-480V
	K9-142-201-343	GRIDDLE PLATE ASSY - 4'ZTD		148ZTD
1	K9-142-201-43	GRIDDLE PLATE ASSY - 4'ZT	1	148ZT
	K9-142-201-43-1	GRID PLT ASSY-4' ZT		148ZTC
	K9-142-201-43-3	GRIDDLE PLATE ASSY 4'		148ZTHE
2	K9-XL-507-2	REAR COVER - ZT	1	148ZT
3	2C-20102-12	SCRW PHD ST 10-32X3/8	23	148ZT
4	2C-20102-21	SCRW PHD ST 10-32X1/2 PLT	5	148ZT
5	Y9-31200-02-1	GROUNDING LUG/+LABEL	2	148ZT
6	2E-30500-07	TRM BLOCK 3PLELRGE 125AMP	1	148ZT
7	2C-20103-01	SCRW SM PLT 10X7/8 PHIL	2	148ZT
8	2E-30500-22	TRMINL STRP 8POLE 50A250V	1	148ZT
9	2A-72500-20	LEG 10.25 WITH ADJ HEX	4	148ZT
	K9-142-231-11	FRONT PNL ASSY-RT W/CSE12		148ZTHE
10	K9-142-231-21	FRONT PANEL - RIGHT END	1	148ZT
	K9-142-231-61	FRONT PANEL - MID ASSY - 6"		148ZT
44	K9-141-251	ODEACE DRAWER ACCV	0	148ZT
11	K9-142-251	GREASE DRAWER ASSY	2	148ZTD
40	K9-141-161-W1	ODEACE DRAWER OF THE WELD		148ZT
12	K9-142-161-W1	GREASE DRAWER SLIDE WELD	2	148ZTD
40	2R-W498-2	KNOB-RED, METAL INSERT .188	4	Mfg after 6-4-2013
13	2R-W498	KNOB-RED	4	Mfg before 6-3-2013
14	2M-W728-W4	LABEL - CONTROL 200-550F	4	148ZT
15	Y9-31601-01-1	PILOT LT 250V W/TIN CLIP	4	148ZT
16	K9-60301-43-1	DIE CAST LOGO + TINNERMAN	1	148ZT
17	K9-142-241	FRONT PANEL-LEFT END 2FT	1	148ZT
18	2T-30402-07	STAT ADJ 550o 48 C/T	4	148ZT
19	K9-XL-532	BOLT AND SCREW ASSY	24	148ZT
20	K9-XL-434-1	ELEMENT PAN SPOTWELD	4	148ZT
20	K9-XL-434-2	ELEMENT PAN SPOTWELD-30"D	4	148ZTD
21	K9-XL-424-1	ELEMENT PAN INSULATION	4	148ZT
21	K9-XL-424-2	LEEWENT FAN INCOLATION		148ZTD
22	K9-XL-429	ELEMENT PLATE GUIDE WLDMT	4	148ZT
	K9-XL-429-1	ELEMENT FEATE GOIDE WEDINT		148ZTD
	2N-11030-29	ELE GRD 208/240V4.5KW/6KW		148ZT
23	2N-11030-29-1	DUAL VOLTAGE ELEMENT-30"D	4	148ZTD
	2N-11030-31	ELMNT GRID 480V 5991W		148ZTDC-480V
24	2N-11030-30	ELMNT GRID 208V 1257W	4	148ZT
4 1	2N-11030-30-1	PERIMETER ELEMENT-30"D		148ZTD
25	K9-XL-505	BULB HOLDER ASSY - ELECT	4	148ZT
NI	2M-61114-W68	WD EZONE T'STAT GRIDDLE	AR	148ZT
NI	2P-50100-15	GRIDDLE SCRAPER 12"	1	CHROME UNITS
NI	2P-50100-16	BOM AMI CLEANER	1	CHROME UNITS
NI	2P-50100-17	20" PALMYRA BRUSH	1	CHROME UNITS



		Model: 160ZT EnviroZone Electric (Griddle	
Fig No.	Part Number	Description	Quantity	Application
	K9-142-201-353	GRIDDLE PLATE ASSY-5' ZTD	1	160ZTD
,	K9-142-201-53	GRIDDLE PLATE ASSY - 5'ZT	\neg	160ZT
1	K9-142-201-53-3	GRIDDLE PLATE ASSY 5' ZT	- 1	160ZTHE
	K9-142-201-53-1	GRIDDLE PLATE ASSY 5' ZT, CHROME		160TZTC
2	K9-XL-507-2	REAR COVER - ZT	2	160ZT
3	2C-20102-12	SCRW PHD ST 10-32X3/8	22	160ZT
4	2C-20102-21	SCRW PHD ST 10-32X1/2 PLT	10	160ZT
5	Y9-31200-02-1	GROUNDING LUG/+LABEL	4	160ZT
6	2E-30500-07	TRM BLOCK 3PLELRGE 125AMP	2	160ZT
7	2C-20103-01	SCRW SM PLT 10X7/8 PHIL	4	160ZT
8	2E-30500-22	TRMINL STRP 8POLE 50A250V	2	160ZT
9	2A-72500-20	LEG 10.25 WITH ADJ HEX	4	160ZT
	K9-142-231-21	FRONT PANEL - RIGHT END		160ZT
10	K9-142-231-51	FRONT PANEL - MIDDLE ASSY 5	1	160ZT
	K9-142-231-11	FRONT PANEL ASSY-RT W/CSE12		160THE-480V
44	K9-141-251	ODEACE DRAWER ACOV	0	160ZT, 160THE
11	K9-142-251	GREASE DRAWER ASSY	2	160ZTD
12	K9-141-161-3W1	GREASE DRAWER SLIDE WELD	2	160ZTD
12	K9-141-161-W1	GREASE DRAWER SLIDE WELD		160ZT
13	2R-W498-2	KNOB-RED, METAL INSERT .188	5	Mfg after 6-4-2013
13	2R-W498	KNOB-RED	J 3	Mfg before 6-3-2013
14	2M-W728-W4	LABEL - CONTROL 200-550F	5	160ZT
15	Y9-31601-01-1	PILOT LT 250V W/TIN CLIP		160ZT
10	Y9-31601-02-1	PILOT LT 480V W/TIN CLIP		160ZTHE-480V
16	K9-60301-43-1	DIE CAST LOGO + TINNERMAN	1	160ZT
17	K9-142-241	FRONT PANEL - MID ASSY - 5"	1	160ZT
18	2T-30402-07	STAT ADJ 550o 48 C/T	5	160ZT
19	K9-XL-532	BOLT AND SCREW ASSY	30	160ZT
20	K9-XL-434-1	ELEMENT PAN SPOTWELD		160ZT
	K9-XL-434-2	ELEMENT PAN SPOTWELD-30"D		160ZTD
21	K9-XL-424-1	ELEMENT PAN INSULATION		160ZT
	K9-XL-424-2	ELEMENT PAN INSUL 30"DEEP		160ZTD
22	K9-XL-429	ELEMENT PLATE GUIDE WLDMT		160ZT
	K9-XL-429-1	ELEMENT PLATE GUIDE WELD		160ZTD
23	2N-11030-29	ELE GRD 208/240V4.5KW/6KW	5	160ZT
	2N-11030-29-1	DUAL VOLTAGE ELEMENT-30"D		160ZTD
6.4	2N-11030-30	ELMNT GRID 208V 1257W	- -	160ZT
24	2N-11030-30-1	PERIMETER ELEMENT-30"D	5	160ZTD
05	2N-11030-31	ELMNT GRID 480V 5991W		160THE-480V
25	K9-XL-505	BULB HOLDER ASSY - ELECT	5	160ZT
NI	2M-61114-W68	WD EZONE T'STAT GRIDDLE	AR	160ZT
NI	2P-50100-15	GRIDDLE SCRAPER 12"	1	CHROME UNITS
NI	2P-50100-16	BOM AMI CLEANER	1	CHROME UNITS
NI	2P-50100-17	20" PALMYRA BRUSH	11	CHROME UNITS



		Model: 172ZT EnviroZone Electric G	riddle	
Fig No.	Part Number	Description	Quantity	Application
-	K9-142-201-363	GRIDDLE PLATE ASSY - 6' ZTD		172ZTD
1	K9-142-201-63	GRIDDLE PLATE ASSY - 6'ZT		172ZT
	K9-142-201-63-1	GRIDDLE PLATE ASSY - 6'ZT CHROME	1	172ZTC
	K9-142-201-63-2	GRIDDLE PLATE ASSY 6' ZT w/CSE12		172ZTHE
2	K9-XL-507-2	REAR COVER - ZT	2	172ZT
3	2C-20102-12	SCRW PHD ST 10-32X3/8	26	172ZT
4	2C-20102-21	SCRW PHD ST 10-32X1/2 PLT	12	172ZT
5	Y9-31200-02-1	GROUNDING LUG/+LABEL	4	172ZT
6	2E-30500-07	TRM BLOCK 3PLELRGE 125AMP	2	172ZT
7	2C-20103-01	SCRW SM PLT 10X7/8 PHIL	4	172ZT
8	2E-30500-22	TRMINL STRP 8POLE 50A250V	2	172ZT
9	2A-72500-20	LEG 10.25 WITH ADJ HEX	4	172ZT
	K9-142-231-61	FRONT PANEL - MID ASSY - 6"		172ZT
10	K9-142-245	FRONT PANEL - RIGHT END	1	172ZT
	K9-142-245-13	FRONT PANEL - ASY RIGHT END		172ZTHE
44	K9-141-251	ODEACE DRAWER ACCV		172ZT
11	K9-142-251	GREASE DRAWER ASSY	2	172ZTD
10	K9-141-161-W1	ODEACE DRAWER OF IDE WELD		172ZT
12	K9-142-161-W1	GREASE DRAWER SLIDE WELD	2	172ZTD
12	2R-W498-2	KNOB-RED, METAL INSERT .188		Mfg after 6-4-2013
13	2R-W498	KNOB-RED	6	Mfg before 6-3-2013
14	2M-W728-W4	LABEL - CONTROL 200-550F	6	172ZT
15	Y9-31601-01-1	PILOT LT 250V W/TIN CLIP	6	172ZT
10	Y9-31601-02-1	PILOT LT 480V W/TIN CLIP	0	172ZTD-480V
16	K9-60301-43-1	DIE CAST LOGO + TINNERMAN	1	172ZT
17	K9-142-241-1	FRONT PANEL ASSY-6' LH	1	172ZT
18	2T-30402-07	STAT ADJ 550o 48 C/T	6	172ZT
19	K9-XL-532	BOLT AND SCREW ASSY	36	172ZT
20	K9-XL-434-1	ELEMENT PAN SPOTWELD	6	172ZT
20	K9-XL-434-2	ELEMENT PAN SPOTELED-30"D	0	172ZTD
21	K9-XL-424-1	ELEMENT PAN INSULATION	6	172ZT
۷۱	K9-XL-424-2	ELEMENT PAN INSUL 30"DEEP	ı v	172ZTD
22	K9-XL-429	ELEMENT PLATE GUIDE WLDMT	6	172ZT
	K9-XL-429-1	ELLIVILIAT I DATE GOIDE WEDWIT		172ZTD
23	2N-11030-29	ELE GRD 208/240V4.5KW/6KW	6	172ZT
20	2N-11030-29-1	DUAL VOLTAGE ELEMENT-30"D	ı v	172ZTD
	2N-11030-30	ELMNT GRID 208V 1257W		172ZT
24	2N-11030-30-1	PERIMETER ELEMENT-30"D	6	172ZTD
	2N-11030-31-1	480V ELEMENT 30"		172ZTD-480V
25	K9-XL-505	BULB HOLDER ASSY - ELECT	6	172ZT
NI	2M-61114-W68	WD EZONE T'STAT GRIDDLE	AR	172ZT
NI	2P-50100-15	GRIDDLE SCRAPER 12"	1	CHROME UNITS
NI	2P-50100-16	BOM AMI CLEANER	1	CHROME UNITS
NI	2P-50100-17	20" PALMYRA BRUSH	1	CHROME UNITS

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