



# THERMOSTATIC ELECTRIC GRIDDLE

*Commercial & Marine*

124T, 124TR, 124TC, 124THE, 124TSS

136T, 136TC, 136TNTS, 136THE

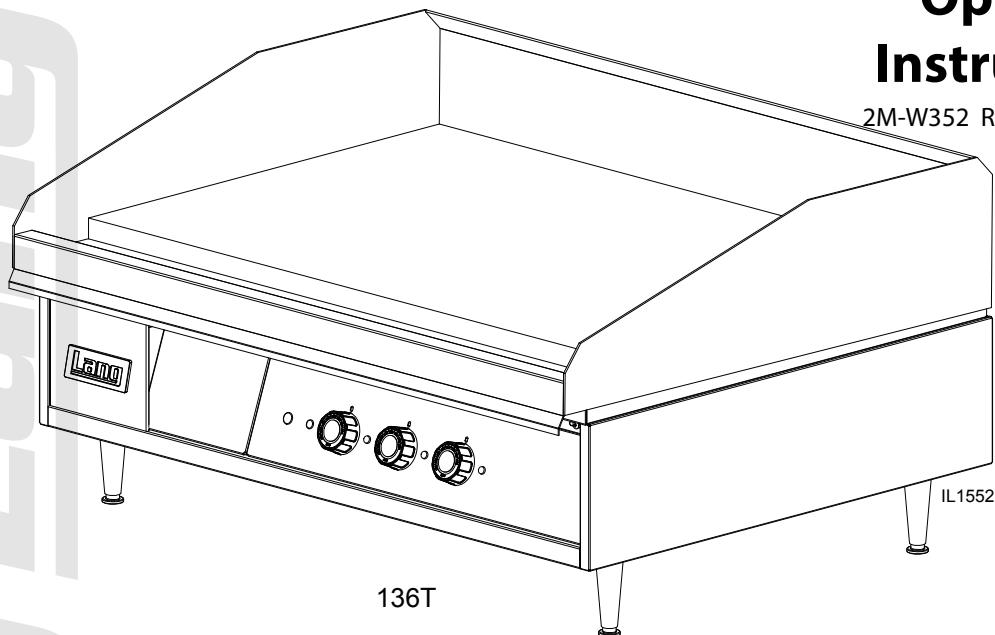
148T, 148THE, 148TC, 148TSS

160T, 160TC, 160THE, 160TSS

172T, 172TC, 172TSS, 172TBC

## Installation and Operation Instructions

2M-W352 Rev. H 4/15/0.16



## SAFETY SYMBOL



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 SAFETY

**DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY 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

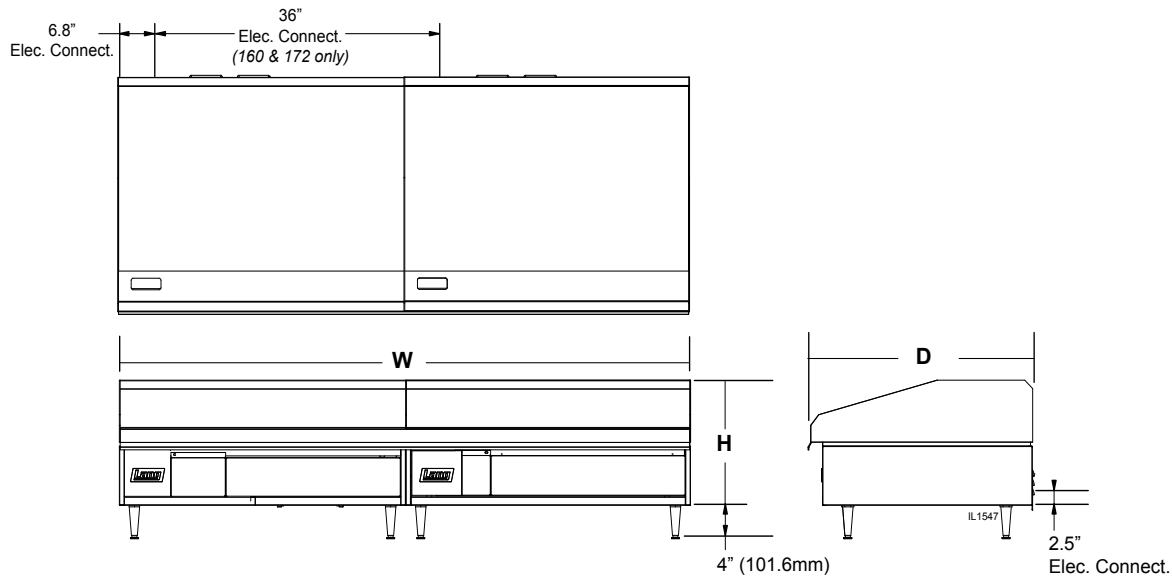
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**NOTICE** Service on this or any other Lang appliance must be performed by qualified personnel only. Consult your Lang Authorized Service Agent Directory. You can call our service number 314-678-6315 or visit our website [www.langworld.com](http://www.langworld.com) for the service agent nearest you.

## EQUIPMENT SPECIFICATIONS

| Model | Height x Width x Depth<br>(Not including legs)  | Clearance from<br>combustible surface | Weight             |                    | Freight<br>Class |
|-------|-------------------------------------------------|---------------------------------------|--------------------|--------------------|------------------|
|       |                                                 |                                       | Actual             | Shipping           |                  |
| 124   | 15.0" x 24.0" x 28.2"<br>381mm x 610mm x 717mm  | Sides: 2"<br>Back: 2"                 | 243 lbs.<br>110 kg | 280 lbs.<br>127 kg | 85               |
| 136   | 15.0" x 36.0" x 28.2"<br>381mm x 914mm x 717mm  |                                       | 368 lbs.<br>167 kg | 410 lbs.<br>186 kg |                  |
| 148   | 15.0" x 48.0" x 28.2"<br>381mm x 1219mm x 717mm |                                       | 483 lbs.<br>220 kg | 515 lbs.<br>234 kg |                  |
| 160   | 15.0" x 60.0" x 28.2"<br>381mm x 1524mm x 717mm |                                       | 621 lbs.<br>282 kg | 665 lbs.<br>302 kg |                  |
| 172   | 15.0" x 72.0" x 28.2"<br>381mm x 1830mm x 717mm |                                       | 724 lbs.<br>329 kg | 800 lbs.<br>364 kg |                  |



## ELECTRICAL SPECIFICATIONS - MARINE

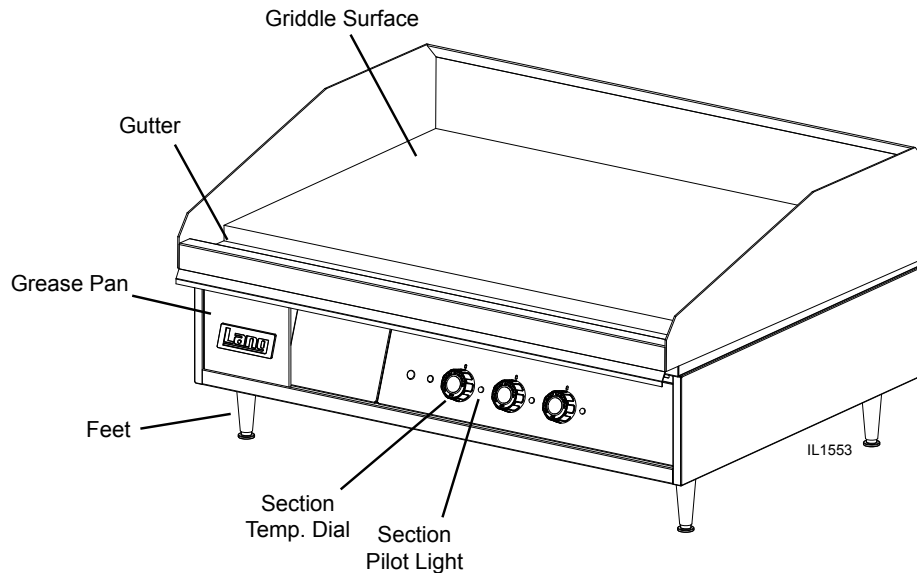
| Current Model | Volts AC | Hz.   | Ph  | Kw<br>TOT. | Amp<br>1PH. | Supply Wire<br>1 PH | Amp 3 Ph |      |      | Supply Wire<br>3 PH | Kw<br>TOT. | Amp<br>1PH. | Supply<br>Wire<br>1 PH | Amp 3 Ph |      |      | Supply Wire<br>3 PH |
|---------------|----------|-------|-----|------------|-------------|---------------------|----------|------|------|---------------------|------------|-------------|------------------------|----------|------|------|---------------------|
|               |          |       |     |            |             |                     | L1       | L2   | L3   |                     |            |             |                        | L1       | L2   | L3   |                     |
| 124T-380VM    | 380V     | 50/60 | 3   | 12         |             |                     | 27.3     | 15.7 | 15.7 | 10                  |            |             |                        |          |      |      |                     |
| 124T-440VM    | 440V     | 50/60 | 3   | 12         |             |                     | 23.6     | 13.6 | 13.6 | 10                  |            |             |                        |          |      |      |                     |
| 124T-480VM    | 480V     | 60    | 3   | 12         |             |                     | 22       | 13   | 13   | 12                  |            |             |                        |          |      |      |                     |
| 124T-M        | 208/240V | 60    | 1/3 | 12         | 58          | 4                   | 50       | 29   | 29   | 6                   |            |             |                        |          |      |      |                     |
| 124TC-480VM   | 480V     | 60    | 3   | 12         |             |                     | 22       | 13   | 13   | 12                  |            |             |                        |          |      |      |                     |
| 136T-380VM    | 380V     | 60    | 3   | 18         |             |                     | 27.3     | 27.3 | 27.3 | 10                  |            |             |                        |          |      |      |                     |
| 136T-440VM    | 440V     | 60    | 3   | 18         |             |                     | 23.6     | 23.6 | 23.6 | 12                  |            |             |                        |          |      |      |                     |
| 136T-480VM    | 480V     | 60    | 3   | 18         |             |                     | 22       | 22   | 22   | 12                  |            |             |                        |          |      |      |                     |
| 136TC-440VM   | 440V     | 60    | 1/3 | 18         | 87          | 2                   | 50       | 50   | 50   | 6                   |            |             |                        |          |      |      |                     |
| 136TC-480VM   | 480V     | 60    | 3   | 18         |             |                     | 22       | 22   | 22   | 12                  |            |             |                        |          |      |      |                     |
| 136THE-480VM  | 480V     | 50/60 | 3   | 18         |             |                     | 21.7     | 21.7 | 21.7 | 10                  |            |             |                        |          |      |      |                     |
| 136T-M        | 208/240V | 60    | 1/3 | 18         | 87          | 2                   | 50       | 50   | 50   | 6                   |            |             |                        |          |      |      |                     |
| 148T-440VM    | 440V     | 60    | 3   | 24         |             |                     | 35.4     | 35.4 | 21.7 | 8                   |            |             |                        |          |      |      |                     |
| 148T-480VM    | 480V     | 60    | 3   | 24         |             |                     | 33       | 33   | 22   | 8                   |            |             |                        |          |      |      |                     |
| 148T-M        | 208/240V | 60    | 1/3 | 24         | 116         | 1                   | 75       | 75   | 50   | 3                   |            |             |                        |          |      |      |                     |
| 148THE-440VM  | 440V     | 60    | 3   | 24         |             |                     | 35.4     | 35.4 | 21.7 | 8                   |            |             |                        |          |      |      |                     |
| 160T-440VM    | 440V     | 60    | 3   | 12         |             |                     | 23.6     | 13.6 | 13.6 | 10                  | 18         |             |                        | 23.6     | 23.6 | 23.6 | 10                  |
| 160T-480VM    | 480      | 60    | 3   | 12         |             |                     | 22       | 13   | 13   | 12                  | 18         |             |                        | 22       | 22   | 22   | 12                  |
| 160T-M        | 208/240V | 60    | 1/3 | 12         | 58          | 2                   | 50       | 29   | 29   | 6                   | 18         | 87          | 2                      | 50       | 50   | 50   | 6                   |
| 172T-440VM    | 440V     | 60    | 3   | 18         |             |                     | 23.6     | 23.6 | 23.6 | 12                  | 18         |             |                        | 23.6     | 23.6 | 23.6 | 12                  |
| 172T-480VM    | 480V     | 60    | 3   | 18         |             |                     | 22       | 22   | 22   | 12                  | 18         |             |                        | 22       | 22   | 22   | 12                  |
| 172T-M        | 208/240V | 60    | 1/3 | 18         | 87          | 2                   | 50       | 50   | 50   | 6                   | 18         | 87          | 2                      | 50       | 50   | 50   | 6                   |

2M-W352: Thermostatic Electric Griddle, 124T - 172T

# EQUIPMENT SPECIFICATIONS

| Current Model | Volts AC | Hz.   | PH. | Kw Tot. | Amp 1PH. | Supply Wire 1 PH | Amp 3 Ph |       |       | Supply Wire 3 PH | Kw Tot. | Amp 1PH. | Supply Wire 1 PH | Amp 3 Ph |      |      | Supply Wire 3 PH |
|---------------|----------|-------|-----|---------|----------|------------------|----------|-------|-------|------------------|---------|----------|------------------|----------|------|------|------------------|
|               |          |       |     |         |          |                  | L1       | L2    | L3    |                  |         |          |                  | L1       | L2   | L3   |                  |
| 124T          | 208/240V | 60    | 1/3 | 12      | 58       | 4                | 50       | 29    | 29    | 6                |         |          |                  |          |      |      |                  |
| 124T-220V     | 220V     | 50/60 | 1/3 | 10      | 45.5     | 6                | 39.4     | 22.7  | 22.7  | 8                |         |          |                  |          |      |      |                  |
| 124T-220VCW   | 220V     | 50/60 | 1/3 | 10      | 45.5     | 6                | 39.4     | 22.7  | 22.7  | 8                |         |          |                  |          |      |      |                  |
| 124T-380V     | 380V     | 60    | 3   | 12      |          |                  | 27.3     | 15.7  | 15.7  | 10               |         |          |                  |          |      |      |                  |
| 124T-480V     | 480V     | 60    | 3   | 12      |          |                  | 22       | 13    | 13    | 12               |         |          |                  |          |      |      |                  |
| 124T-480VSJ   | 480V     | 60    | 3   | 12      |          |                  | 22       | 13    | 13    | 12               |         |          |                  |          |      |      |                  |
| 124TB         | 208/240V | 60    | 1/3 | 12      | 58       | 4                | 50       | 29    | 29    | 6                |         |          |                  |          |      |      |                  |
| 124T-BK       | 208/240V | 60    | 1/3 | 12      | 58       | 4                | 50       | 29    | 29    | 6                |         |          |                  |          |      |      |                  |
| 124TC         | 208/240V | 60    | 1/3 | 12      | 58       | 4                | 50       | 29    | 29    | 6                |         |          |                  |          |      |      |                  |
| 124TCHE       | 208/240V | 60    | 1/3 | 12      | 58       | 4                | 50       | 29    | 29    | 6                |         |          |                  |          |      |      |                  |
| 124TC-TE      | 208/240V | 60    | 1/3 | 12      | 58       | 4                | 50       | 29    | 29    | 6                |         |          |                  |          |      |      |                  |
| 124THE        | 208/240V | 60    | 1/3 | 12      | 58       | 4                | 50       | 29    | 29    | 6                |         |          |                  |          |      |      |                  |
| 124THE2L      | 208/240V | 60    | 1/3 | 12      | 58       | 4                | 50       | 29    | 29    | 6                |         |          |                  |          |      |      |                  |
| 124T-PE       | 208/240V | 60    | 1/3 | 12      | 58       | 4                | 50       | 29    | 29    | 6                |         |          |                  |          |      |      |                  |
| 124T-PE-480V  | 480V     | 60    | 3   | 12      |          |                  | 22       | 13    | 13    | 12               |         |          |                  |          |      |      |                  |
| 124TR         | 208/240V | 60    | 1/3 | 12      | 58       | 4                | 50       | 29    | 29    | 6                |         |          |                  |          |      |      |                  |
| 124TSS        | 208/240V | 60    | 1/3 | 12      | 58       | 4                | 50       | 29    | 29    | 6                |         |          |                  |          |      |      |                  |
| 124TSS-480V   | 480V     | 60    | 3   | 12      |          |                  | 22       | 13    | 13    | 12               |         |          |                  |          |      |      |                  |
| 136T          | 208/240V | 60    | 1/3 | 18      | 87       | 2                | 50       | 50    | 50    | 6                |         |          |                  |          |      |      |                  |
| 136T-380V     | 380V     | 60    | 3   | 18      |          |                  | 27.3     | 27.3  | 27.3  | 10               |         |          |                  |          |      |      |                  |
| 136T-480V     | 480V     | 60    | 3   | 18      |          |                  | 22       | 22    | 22    | 12               |         |          |                  |          |      |      |                  |
| 136T-480VCP   |          |       |     |         |          |                  | 23.6     | 23.6  | 23.6  |                  |         |          |                  |          |      |      |                  |
| 136TC         | 208/240V | 60    | 3   | 18      | 87       | 2                | 50       | 50    | 50    | 6                |         |          |                  |          |      |      |                  |
| 136TC-TE      | 208/240V | 60    | 1/3 | 18      | 87       | 2                | 50       | 50    | 50    | 6                |         |          |                  |          |      |      |                  |
| 136TC-TE-380  | 380V     | 50    | 3   | 18      |          |                  | 27       | 27    | 27    | 10               |         |          |                  |          |      |      |                  |
| 136THE-240V   | 208/240V | 60    | 1/3 | 18      | 87/75    | 2                | 50/43    | 50/43 | 50/43 | 6                |         |          |                  |          |      |      |                  |
| 136TNTS       | 208/240V | 60    | 1/3 | 18      | 87       | 2                | 50       | 50    | 50    | 6                |         |          |                  |          |      |      |                  |
| 136T-PE       | 208/240V | 60    | 1/3 | 18      | 87       | 2                | 50       | 50    | 50    | 6                |         |          |                  |          |      |      |                  |
| 148T          | 208/240V | 60    | 1/3 | 24      | 116      | 1                | 75       | 75    | 50    | 3                |         |          |                  |          |      |      |                  |
| 148T-480V     | 480V     | 60    | 3   | 24      |          |                  | 33       | 33    | 22    | 8                |         |          |                  |          |      |      |                  |
| 148TC         | 208/240V | 60    | 1/3 | 24      | 116      | 1                | 75       | 75    | 50    | 3                |         |          |                  |          |      |      |                  |
| 148TC-380V    | 380      | 50    | 3   | 24      |          |                  | 41       | 41    | 27    | 6                |         |          |                  |          |      |      |                  |
| 148TC-TE      | 208/240V | 60    | 1/3 | 24      | 116      | 1                | 75       | 75    | 50    | 3                |         |          |                  |          |      |      |                  |
| 148TC-TE-380  | 380V     | 50    | 3   | 24      |          |                  | 41       | 41    | 27    | 6                |         |          |                  |          |      |      |                  |
| 148TC-TE-480  | 480V     | 60    | 3   | 24      |          |                  | 31       | 33    | 22    | 8                |         |          |                  |          |      |      |                  |
| 148TCHE       | 208/240  | 60    | 1/3 | 24      | 116      | 1                | 75       | 75    | 50    | 3                |         |          |                  |          |      |      |                  |
| 148THE        | 208/240V | 60    | 1/3 | 24      | 116      | 1                | 75       | 75    | 50    | 3                |         |          |                  |          |      |      |                  |
| 148T-PE       | 208/240V | 60    | 1/3 | 24      | 116      | 1                | 75       | 75    | 50    | 3                |         |          |                  |          |      |      |                  |
| 148T-PE-480V  | 480V     | 60    | 3   | 24      |          |                  | 33       | 33    | 22    | 8                |         |          |                  |          |      |      |                  |
| 148T-SJ       | 208/240V | 60    | 1/3 | 24      | 116      | 1                | 75       | 75    | 50    | 3                |         |          |                  |          |      |      |                  |
| 148TSS        | 208/240V | 60    | 1/3 | 24      | 116      | 1                | 75       | 75    | 50    | 3                |         |          |                  |          |      |      |                  |
| 148TSS-480V   | 480V     | 60    | 3   | 24      |          |                  | 33       | 33    | 22    | 8                |         |          |                  |          |      |      |                  |
| 160T          | 208/240V | 60    | 1/3 | 12      | 58       | 2                | 50       | 29    | 29    | 6                | 18      | 87       | 2                | 50       | 50   | 50   | 6                |
| 160T-PE       | 208/240V | 60    | 1/3 | 12      | 58       | 4                | 50       | 29    | 29    | 6                | 18      | 87       | 2                | 50       | 50   | 50   | 6                |
| 160T-440V     | 440      | 60    | 3   | 12      |          |                  | 23.6     | 13.6  | 13.6  | 10               | 18      |          |                  | 23.6     | 23.6 | 23.6 | 10               |
| 160T-P-480V   | 480V     | 60    | 3   | 12      |          |                  | 22       | 13    | 13    | 12               | 18      |          |                  | 22       | 22   | 22   | 12               |
| 160T-480V     | 480V     | 60    | 3   | 12      |          |                  | 22       | 13    | 13    | 12               | 18      |          |                  | 22       | 22   | 22   | 12               |
| 160T-480VCP   | 480V     | 60    | 3   | 12      |          |                  | 22       | 13    | 13    | 12               | 18      |          |                  | 22       | 22   | 22   | 12               |
| 160TC-TE      | 208/240V | 60    | 1/3 | 12      | 58       | 4                | 50       | 29    | 29    | 6                | 18      | 87       | 2                | 50       | 50   | 50   | 6                |
| 160TC-TE-480  | 480V     | 60    | 3   | 24      |          |                  | 33       | 33    | 22    | 8                |         |          |                  |          |      |      |                  |
| 160THE        | 208/240V | 60    | 1/3 | 12      | 58       | 4                | 50       | 29    | 29    | 6                | 18      | 87       | 2                | 50       | 50   | 50   | 6                |
| 160TSS        | 208/240V | 60    | 1/3 | 12      | 58       | 2                | 50       | 29    | 29    | 6                | 18      | 87       | 6                | 50       | 50   | 50   | 6                |
| 160TSS-480V   | 480V     | 60    | 3   | 12      |          |                  | 22       | 13    | 13    | 12               |         |          |                  | 22       | 22   | 22   | 12               |
| 172T          | 208/240V | 60    | 1/3 | 18      | 87       | 2                | 50       | 50    | 50    | 6                | 18      | 87       | 2                | 50       | 50   | 50   | 6                |
| 172T-380V     | 380V     | 50    | 3   | 18      |          |                  | 27       | 27    | 27    | 10               | 18      |          |                  | 27       | 27   | 27   | 10               |
| 172T-480V     | 480V     | 60    | 3   | 18      |          |                  | 22       | 22    | 22    | 12               | 18      |          |                  | 22       | 22   | 22   | 12               |
| 172T-480V-CP  | 480V     | 60    | 3   | 18      |          |                  | 22       | 22    | 22    | 12               | 18      |          |                  | 22       | 22   | 22   | 12               |
| 172T-480VSJ   | 480V     | 60    | 3   | 18      |          |                  | 22       | 22    | 22    | 12               | 18      |          |                  | 22       | 22   | 22   | 12               |
| 172TBC        | 208/240V | 60    | 1/3 | 18      | 87       | 2                | 50       | 50    | 50    | 6                | 18      | 87       | 2                | 50       | 50   | 50   | 6                |
| 172TC         | 208/240V | 60    | 1/3 | 18      | 87       | 2                | 50       | 50    | 50    | 6                | 18      | 87       | 2                | 50       | 50   | 50   | 6                |
| 172TC-480V    | 480V     | 60    | 3   | 18      |          |                  | 22       | 22    | 22    | 12               | 18      |          |                  | 22       | 22   | 22   | 12               |
| 172TC-TE      | 208/240V | 60    | 1/3 | 18      | 87       | 2                | 50       | 50    | 50    | 6                | 18      | 87       | 2                | 50       | 50   | 50   | 6                |
| 172TC-TE-380  | 380V     | 50    | 3   | 18      |          |                  | 27       | 27    | 27    | 10               | 18      |          |                  | 27       | 27   | 27   | 10               |
| 172T-PE       | 208/240V | 60    | 1/3 | 18      | 87       | 2                | 50       | 50    | 50    | 6                | 18      | 87       | 2                | 50       | 50   | 50   | 6                |
| 172T-PE-480V  | 480V     | 60    | 3   | 18      |          |                  | 22       | 22    | 22    | 12               | 18      |          |                  | 22       | 22   | 22   | 12               |
| 172T-SJ       | 208/240V | 60    | 1/3 | 18      | 87       | 2                | 50       | 50    | 50    | 6                | 18      | 87       | 2                | 50       | 50   | 50   | 6                |
| 172TSS        | 208/240V | 60    | 1/3 | 18      | 87       | 2                | 50       | 50    | 50    | 6                | 18      | 87       | 2                | 50       | 50   | 50   | 6                |
| 172TSS-480V   | 480V     | 60    | 3   | 18      |          |                  | 22       | 22    | 22    | 12               | 18      |          |                  | 22       | 22   | 22   | 12               |

## EQUIPMENT DESCRIPTION



### Exterior Construction

The griddle dimensions are 17" (43.18cm) High, 30" (76.20cm) Deep, and width is dependent on the actual model number.

The Sides, Bottom, and Rear wall are constructed of double wall stainless steel, which allows closer installation to combustible surfaces.

The griddle surface is made of 1" thick, highly polished steel to reduce hot and cold spots, recovery problems, warping, and ensure even heat to the edges of the griddle.

### Controls

Each twelve-inch section has its own temperature dial that snaps into place to lock in any temperature from 175°F to 450°F (79°C to 232°C) in 25° increments.

Each twelve-inch section of the griddle is controlled by an area sensitive RTD probe, which can sense and react to a temperature change of +/- 4°F.

Each twelve-inch section has a set of 6 K.W. elements for high efficiency, quick recovery and outstanding performance

### Technical

The 100 series thermostat griddle operates on either 208, 220, 240, 380, 440 or 480V, are shipped three phase, (unless in specific specifications). 208, 220, 240V can be field converted to single phase.

Minimum clearances: 2" from side and back

**NOTICE**      The data plate is on the right side of the griddle. The griddle 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.

2M-W352: Thermostatic Electric Griddle, 124T - 172T

## UNPACKING

### 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.



**CAUTION**

**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**

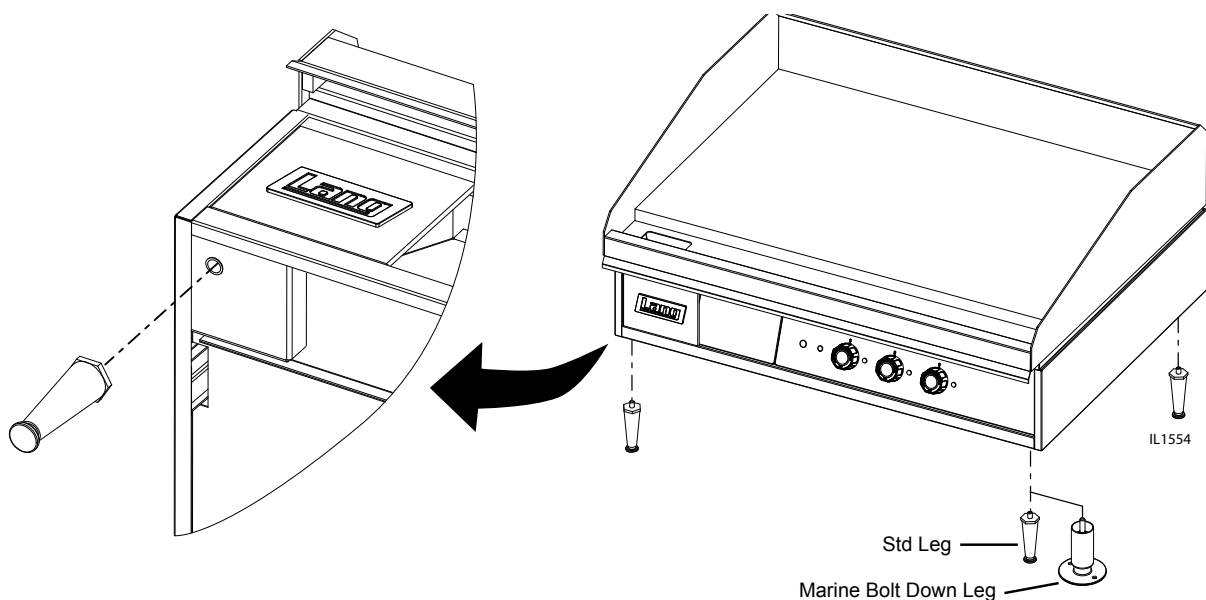
**ANY STAND, COUNTER OR OTHER DEVICE ON WHICH GRIDDLE WILL BE LOCATED MUST BE DESIGNED TO SUPPORT THE WEIGHT OF THE GRIDDLE.**



**WARNING**

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

# INSTALLATION



*Above: typical leg installation.*

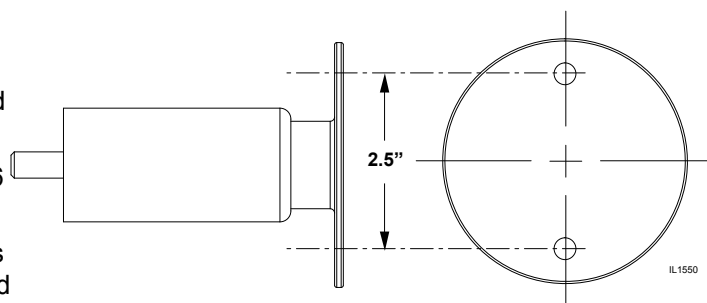
## Leg Installation

There are four, 4" legs provided for 2, 3 and 4 foot griddles.

There are eight 4" legs provided for 5 and 6 foot griddles.

The legs are shipped in the grease drawers of the griddle. Install them into the threaded holes on the underside of the griddle body.

Leveling adjustment may be done by screwing the bottom portion of the leg in and out.



*For bolt down legs see above illustration for dimensions.*



**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 AND PLUMBING. 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.**

*2M-W352: Thermostatic Electric Griddle, 124T - 172T*

## 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.

| MODEL<br>NUMBER |    | TOTAL<br>K.W. | NOMINAL AMPS PER LINE |      |      |          |      |      |          |      |      | SINGLE PHASE |      |
|-----------------|----|---------------|-----------------------|------|------|----------|------|------|----------|------|------|--------------|------|
|                 |    |               | THREE PHASE           |      |      |          |      |      |          |      |      |              |      |
|                 |    |               | 208 Volt              |      |      | 240 Volt |      |      | 480 Volt |      |      | 208V         | 240V |
|                 |    |               | L1                    | L2   | L3   | L1       | L2   | L3   | L1       | L2   | L3   |              |      |
| 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"             |    | 24            | 75                    | 75   | 50   | 65       | 65   | 43.3 | 32.5     | 32.5 | 21.7 | 115.5        | 100  |
| 60"             | #1 | 18            | 50                    | 50   | 50   | 43.3     | 43.3 | 43.3 | 21.7     | 21.7 | 21.7 | 86.5         | 75   |
|                 | #2 | 12            | 50                    | 28.8 | 28.8 | 43.3     | 25   | 25   | 21.7     | 12.5 | 12.5 | 57.7         | 50   |
| 72"             | #1 | 18            | 50                    | 50   | 50   | 43.3     | 43.3 | 43.3 | 21.7     | 21.7 | 21.7 | 86.5         | 75   |
|                 | #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<br>NUMBER        | THREE PHASE |        |        | SINGLE PHASE |         |
|                        | 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°F (176°C) for ½ hour, turn the griddle up another 50°F (10°C) for another ½ hour and repeat this until it is at 450°F (232°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                                                                                                                                                        | TEMP F / C    | TIME (MIN) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|
| <b>HAMBURGER</b>                                                                                                                                                | 350°F / 176°C |            |
| 2 patties per LB                                                                                                                                                |               | 6 to 8     |
| 4 patties per LB                                                                                                                                                |               | 4 to 6     |
| 6 patties per LB                                                                                                                                                |               | 3 to 4     |
| <b>STEAKS</b>                                                                                                                                                   |               |            |
| 1/2 to 3/4 inch thick, cooked medium                                                                                                                            | 375°F / 190°C | 5 to 7     |
| 3/4 to 1 inch thick, cooked medium                                                                                                                              |               | 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                                                                                                                                                         |               | 6 to 8     |
|                                                                                                                                                                 |               |            |
| Hash Brown Potatoes                                                                                                                                             | 375°F / 190°C | 3 to 4     |
| Bacon                                                                                                                                                           | 350°F / 176°C | 3 to 4     |
| Sausage Links or Patties                                                                                                                                        |               | 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.

## Timer Operation *(certain models)*

### Start Up:

- The current preset time is displayed when the power switch is turned on, and 3 beeps will sound.

### Timer Preset:

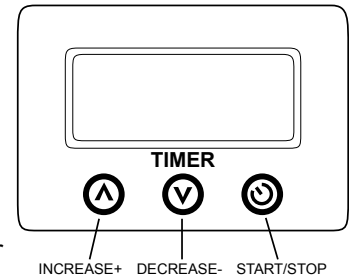
- There are 3 programmable timer set points available. Press “+” “-” button.
- Once a preset time is selected, the “START/STOP” button will start the timer countdown.
- Press “START/STOP” to stop the buzzer, and reset the timer.

### To Change a timer Preset:

- To change a preset time, toggle to that time using the “+” or “-” buttons.
- Press and hold down the “START/STOP” button for 5 seconds till the shown preset time blinks.
- Keep the “START/STOP” pushed and toggle the time up “+” or down “-” from the pre-set time.
- The time will now stay at the new pre-set time

### Operate Timer:

- Press “START/STOP” to start the time counting down
- When timer reaches “00”, the alarm sounds
- The alarm will not turn off until “START/STOP” is pressed, then the current preset time will be displayed.
- To interrupt while counting down press “START/STOP”.



## 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.



### WARNING

**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.



### CAUTION

#### 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.**

## 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 | <ul style="list-style-type: none"> <li>No Power to Griddle</li> </ul>                                          |
| One Section will not heat   | <ul style="list-style-type: none"> <li>Failed contactor</li> <li>Failed Element.</li> </ul>                    |
| Product Burning             | <ul style="list-style-type: none"> <li>Product left on griddle too long</li> <li>Out of Calibration</li> </ul> |
| Product Under cooked        | <ul style="list-style-type: none"> <li>Product removed too soon</li> <li>Out of Calibration</li> </ul>         |

| POSSIBLE CAUSE             | TEST                                                                                                                                                                                                                             |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product is cooked too long | <ul style="list-style-type: none"> <li>No test available, operational condition</li> </ul>                                                                                                                                       |
| Failed Contactor           | <ul style="list-style-type: none"> <li>Remove the wires from the contactor coil and check for continuity across the contactor coil connection*</li> <li>Ensure the contactor moveable points move freely up and down*</li> </ul> |
| Failed Element             | <ul style="list-style-type: none"> <li>Confirm that Elements are getting correct voltage and have continuity*</li> </ul>                                                                                                         |

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](http://www.langworld.com) For the service agent nearest you.

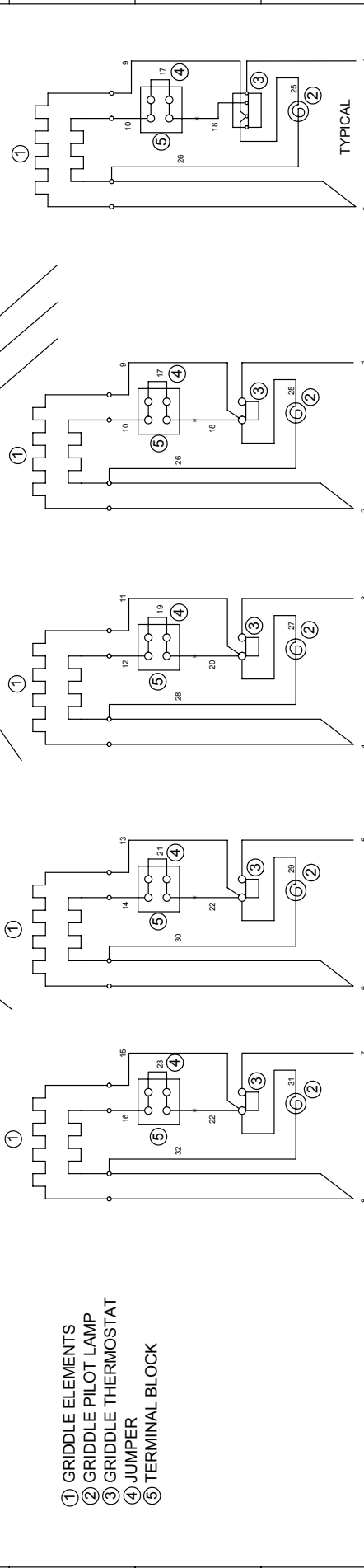


**BOTH HIGH AND LOW VOLTAGES ARE PRESENT INSIDE THIS APPLIANCE WHEN THE UNIT IS PLUGGED/WIRED INTO A LIVE RECEPTACLE. BEFORE REPLACING ANY PARTS, DISCONNECT THE UNIT FROM THE ELECTRIC POWER SUPPLY.**



**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.**

2M-W352: Thermostatic Electric Griddle, 124T - 172T



NOTES:

|       |
|-------|
| ○ ○ ○ |
|-------|

NOTE: TYPICAL WIRING FOR EACH SECTION ON UNITS THAT HAVE A 2 POLE THERMOSTAT.

CONN #2 USE LG24

LG72: CONN #1 USE LG36

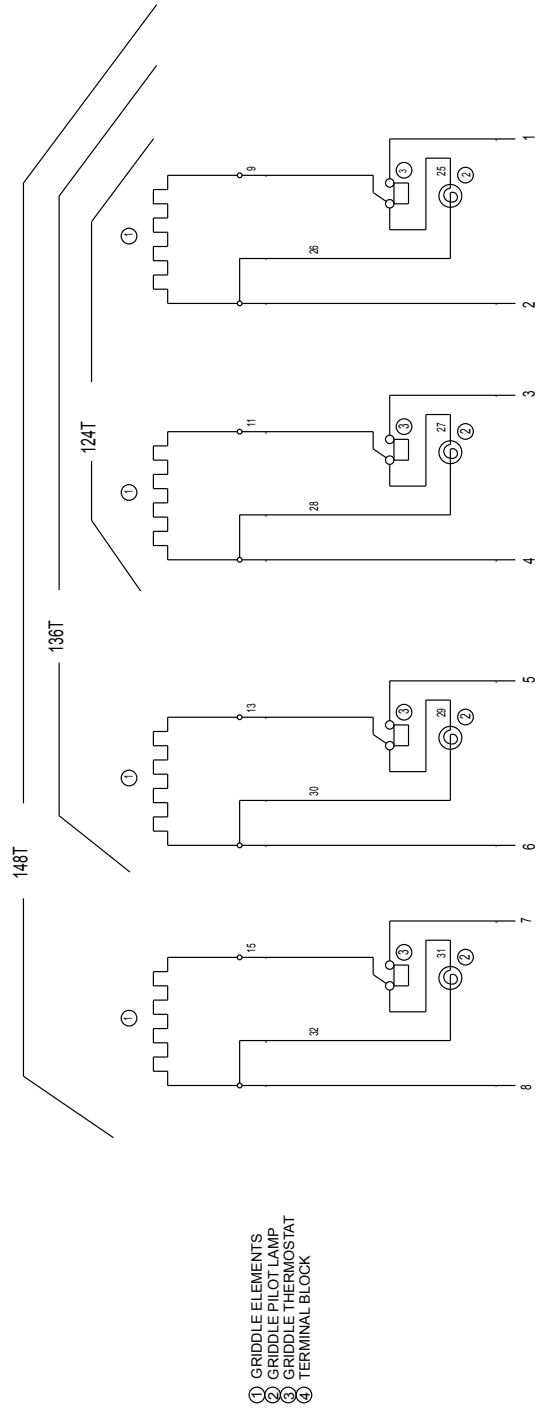
CONN #2 USE LG36

| ELEMENT HOOKUP |      | SERVICE CONNECTIONS |       |       |            |              |      |              |      |       |       |       |     |         |
|----------------|------|---------------------|-------|-------|------------|--------------|------|--------------|------|-------|-------|-------|-----|---------|
|                |      | THREE PHASE         |       |       |            | SINGLE PHASE |      |              |      |       |       |       |     |         |
| MODEL          | VOLT | Kw                  |       |       | AMP TOTALS |              |      | AMPS 1 PHASE | L1   | L2    | L3    | L1    | L2  |         |
|                |      | L1-L2               | L2-L3 | L1-L3 | TOTAL      | L1           | L2   |              |      |       |       |       |     | L3      |
| LG24           | 208  | 6.0                 |       |       | 6.0        | 12.0         | 50.0 | 28.9         | 28.9 |       |       |       |     |         |
|                | 220  | 6.7                 |       |       | 6.7        | 13.4         | 52.9 | 30.5         | 30.5 | 60.9  |       |       |     |         |
|                | 240  | 6.0                 |       |       | 6.0        | 12.0         | 43.3 | 25.0         | 25.0 | 50    | 1.4   | 2     | 3   | 1.3     |
|                | 240  | 6.0                 |       |       | 6.0        | 12.0         | 43.3 | 25.0         | 25.0 | 50    |       |       |     | 2.4     |
| LG36           | 208  | 6.0                 | 6.0   | 6.0   | 6.0        | 18.0         | 50.0 | 50.0         | 50.0 | 86.5  |       |       |     |         |
|                | 220  | 6.7                 | 6.7   | 6.7   | 6.7        | 20.1         | 52.9 | 52.9         | 52.9 | 91.4  | 1.4   | 2.5   | 3.6 |         |
|                | 240  | 6.0                 | 6.0   | 6.0   | 6.0        | 18.0         | 43.3 | 43.3         | 43.3 | 75    |       |       |     | 2.4,6   |
|                | 240  | 6.0                 | 6.0   | 6.0   | 6.0        | 18.0         | 43.3 | 43.3         | 43.3 | 75    |       |       |     |         |
| LG48           | 208  | 12.0                | 6.0   | 6.0   | 6.0        | 24.0         | 76.0 | 76.3         | 50.0 | 115.4 |       |       |     |         |
|                | 220  | 13.4                | 6.7   | 6.7   | 6.7        | 26.8         | 80.6 | 80.6         | 52.9 | 121.8 | 1.4,7 | 2.5,8 | 3.6 | 1.3,5,7 |
|                | 240  | 6.0                 | 6.0   | 6.0   | 6.0        | 18.0         | 43.3 | 43.3         | 43.3 | 75    |       |       |     | 2,4,6,8 |
|                | 240  | 12.0                | 6.0   | 6.0   | 6.0        | 24.0         | 66.1 | 66.1         | 43.3 | 100   |       |       |     |         |

|                                                                                     |                                                 |                    |                          |           |                     |           |
|-------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|--------------------------|-----------|---------------------|-----------|
|  | DWN BY: DLG                                     | DWN DATE: 12-13-02 | REV BY:                  | REV DATE: | CHK BY:             | CHK DATE: |
|                                                                                     | <b>DESCRIPTION:</b> LANG GRIDDLE 208-240/220VAC |                    |                          |           |                     |           |
|                                                                                     | CAD FILE: FROM A CAD                            |                    | <b>DWG. NO: 61114-01</b> |           | <b>SHEET 1 OF 1</b> |           |
| <b>REV: G</b>                                                                       |                                                 |                    |                          |           |                     |           |

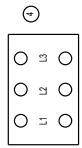
8 7 6 5 4 3 2 1

| REVISIONS |                       |                                                       |     |
|-----------|-----------------------|-------------------------------------------------------|-----|
| REV.      | DATE/ECO              | DESCRIPTION OF CHANGE                                 | DR  |
| C         | 10/15/02              | REVISED & REDRAWN                                     | CDS |
| D         | 2/8/2008<br>ECOF#6574 | ADDED 380V MODEL, REVISED NOTES,<br>REMOVED AMP TABLE | LRC |



NOTES:

1. 160T & 172T HAVE TWO POWER SUPPLY CONNECTIONS.  
160T: CONN #1 USE 136T; CONN #2 USE 124T  
172T: CONN #1 USE 136T; CONN #2 USE 136T
2. MODELS:  
380V, 3 PHASE ELECTRIC GRIDDLES  
480V, 3 PHASE ELECTRIC GRIDDLES



| SERVICE CONNECTIONS |             |        |     |  |
|---------------------|-------------|--------|-----|--|
| MODEL               | THREE PHASE |        |     |  |
|                     | L1          | L2     | L3  |  |
| 24                  | 1.4         | 2      | 3   |  |
| 36                  | 1.4         | 2.5    | 3.6 |  |
| 48                  | 1.4, 7      | 2.5, 8 | 3.6 |  |

\* NUMBER

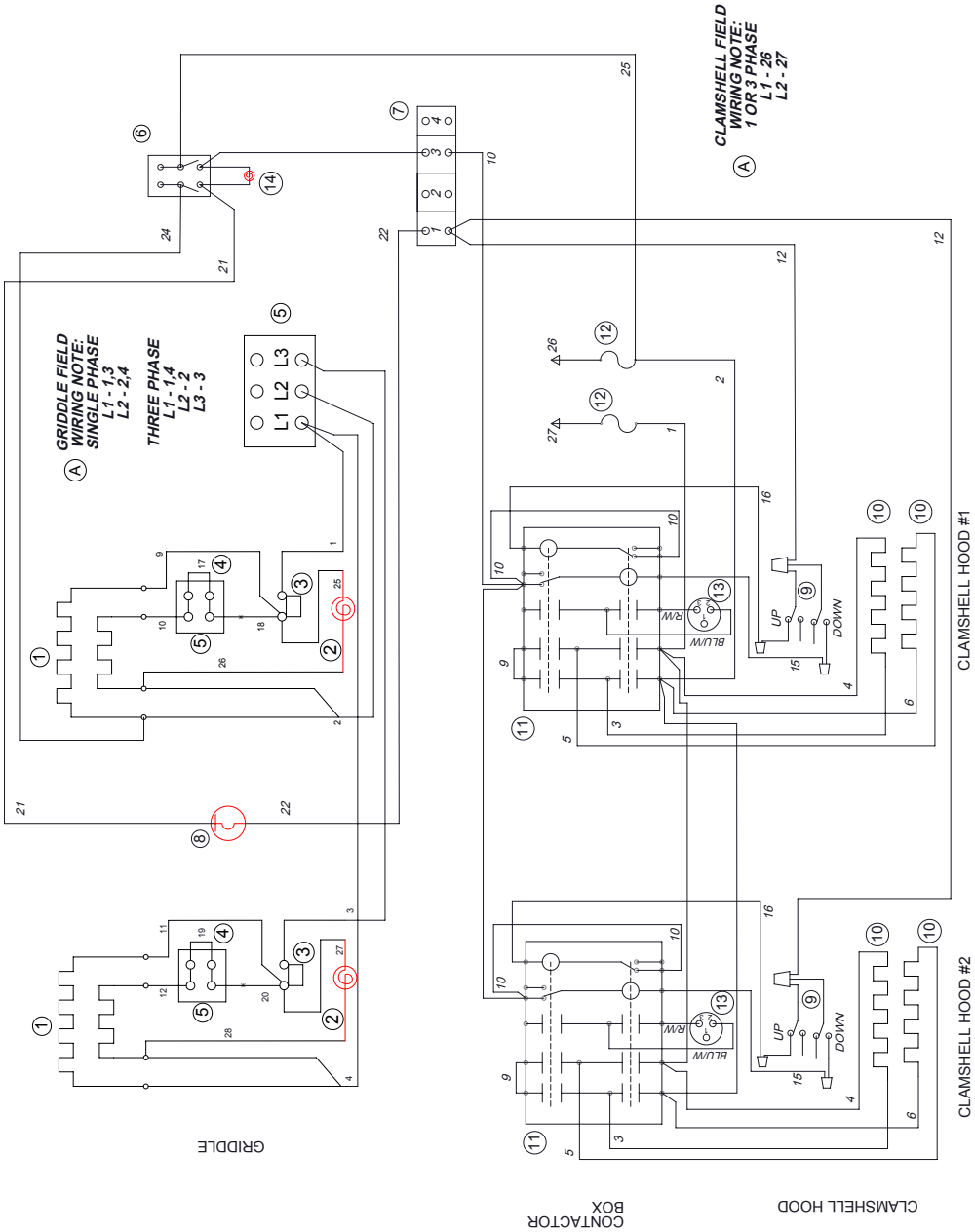
|                                                                                                                                                           |                                                                                                                                                                     |                                                     |  |                    |  |         |  |           |  |         |  |                |  |              |  |         |  |             |  |       |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|--|--------------------|--|---------|--|-----------|--|---------|--|----------------|--|--------------|--|---------|--|-------------|--|-------|--|
| <div><div>Lang<sup>®</sup><br/>Manufacturing<br/>Company</div></div> | <div>UNLESS OTHERWISE SPECIFIED<br/>DIMENSIONS ARE IN INCHES.</div> <div>TOLERANCES ARE:<br/>DECIMALS ANGLES<br/>X= ± .05 ± .5°<br/>XX= ± .03<br/>XXX= ± .015</div> | MATERIAL PART #:                                    |  |                    |  |         |  |           |  |         |  | MATERIAL TYPE: |  | BLANK DIMS.: |  | X       |  | BLANK AREA: |  | sq in |  |
|                                                                                                                                                           |                                                                                                                                                                     | DWN BY: CDS                                         |  | DWN DATE: 10/15/02 |  | REV BY: |  | REV DATE: |  | CHK BY: |  | CHK DATE:      |  | CAD FILE:    |  | SHEET 1 |  | OF 1        |  |       |  |
|                                                                                                                                                           |                                                                                                                                                                     | DESCRIPTION: WD LANG GRIDDLE 380 & 480 VAC ACCUTEMP |  |                    |  |         |  |           |  |         |  |                |  |              |  |         |  |             |  |       |  |
|                                                                                                                                                           |                                                                                                                                                                     | DWG. NO: 61114-02                                   |  |                    |  |         |  |           |  |         |  | REV: D         |  |              |  |         |  |             |  |       |  |
|                                                                                                                                                           |                                                                                                                                                                     |                                                     |  |                    |  |         |  |           |  |         |  |                |  |              |  |         |  |             |  |       |  |

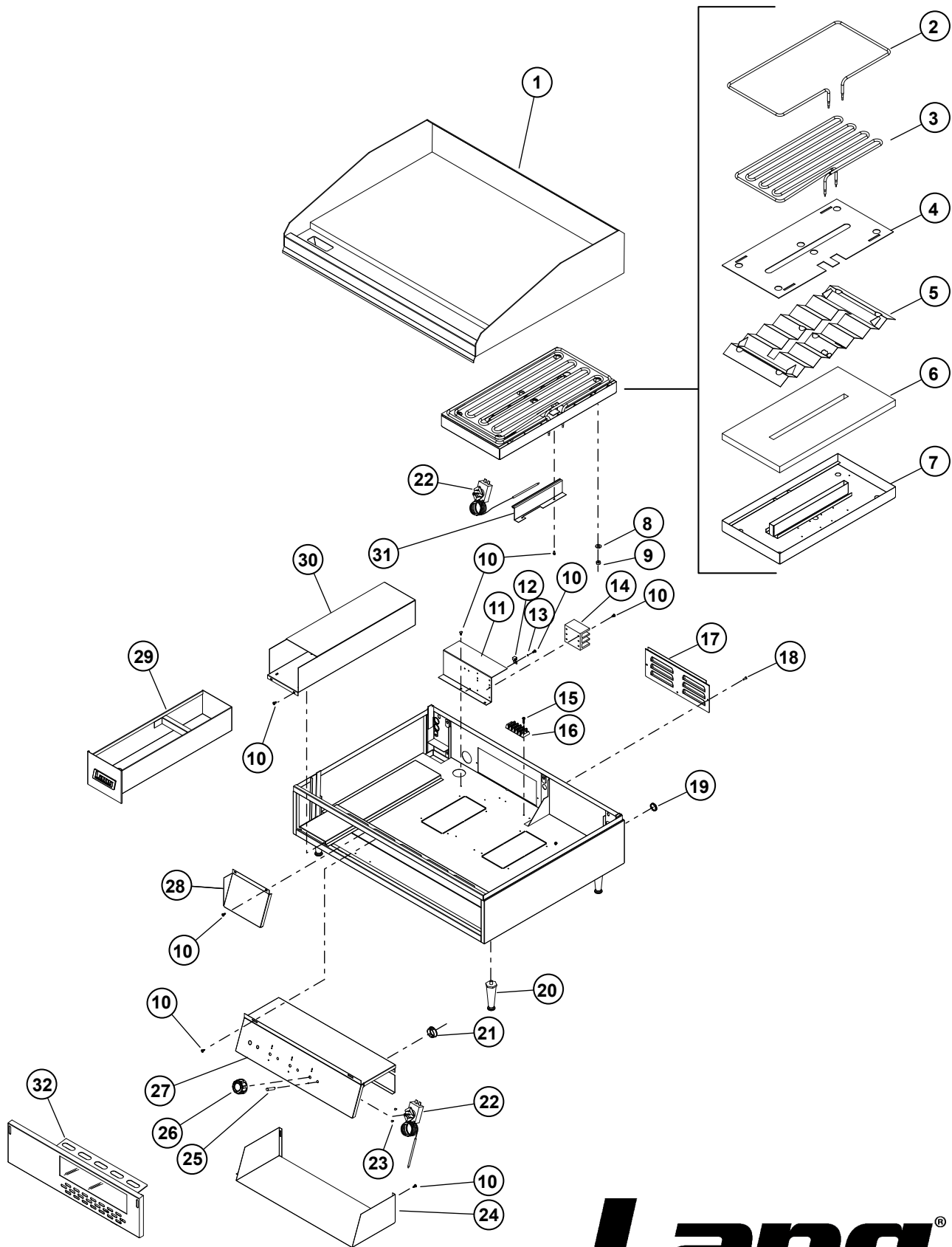
2M-W352: Thermostatic Electric Griddle, 124T - 172T

|                                                                                                                                |  |  |                                   |     |           |                 |                                                     |  |
|--------------------------------------------------------------------------------------------------------------------------------|--|--|-----------------------------------|-----|-----------|-----------------|-----------------------------------------------------|--|
| STAR MANUFACTURING INTERNATIONAL INC.<br># 10 SILVER DRIVE<br>ST. LOUIS, MO. 63143 USA                                         |  |  | MATERIAL                          |     | MODEL NO. |                 | PART NO.                                            |  |
| Lang                                                                                                                           |  |  | FINISH                            |     | TITLE     |                 | 2M-61114-W51                                        |  |
| THIS DRAWING CONTAINS INFORMATION CONFIDENTIAL TO STAR MFG. INT'L. NO REPRODUCTION OR DISCLOSURE OF ITS CONTENTS IS PERMITTED. |  |  | DR                                | DJS | CK        | DATE: 7/29/2008 | WID Z ACCUTEMP ELECT GRID W/ CSE12 HOODS - 208/240V |  |
|                                                                                                                                |  |  | TOLERANCE UNLESS NOTED: ANGLES 1° |     | REVISIONS |                 | DESCRIPTION OF CHANGE                               |  |
|                                                                                                                                |  |  |                                   |     | A         |                 | 7/23/2008                                           |  |
|                                                                                                                                |  |  |                                   |     |           |                 | REVISED GRIDDLE AND CLAMSHELL                       |  |
|                                                                                                                                |  |  |                                   |     |           |                 | WIRING NOTES                                        |  |
|                                                                                                                                |  |  |                                   |     |           |                 | JMM                                                 |  |

- 1 GRIDDLE ELEMENTS
- 2 GRIDDLE PILOT LAMP
- 3 GRIDDLE THERMOSTAT
- 4 JUMPER
- 5 TERMINAL BLOCK
- 6 SWITCH
- 7 TERMINAL BLOCK - 4 POLE
- 8 OVERTEMP STAT #1
- 9 HOOD TILT SWITCH
- 10 HOOD ELEMENTS
- 11 CONTACTOR
- 12 FUSE
- 13 TIMER PLUG
- 14 HOOD PILOT LAMP

| GRIDDLE ELEMENT HOOKUP |          |
|------------------------|----------|
| 208-220 V              | 240V     |
| INSTALL                | REMOVE   |
| JUMPER                 | JUMPER   |
| (ITEM 4)               | (ITEM 4) |





2M-W352: Thermostatic Electric Griddle, 124T - 172T

**Model:** Electric Thermostatic Griddle

**Lang**<sup>®</sup>  
SK2397 Rev. - 8/15/08

# PARTS LIST

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| Model No: 124T, 124TC, 124THE, 124TSS Accu-Temp Electric Griddle |                |     |                                     |                                                                              |
|------------------------------------------------------------------|----------------|-----|-------------------------------------|------------------------------------------------------------------------------|
| Fig No                                                           | Part Number    | Qty | Description                         | Application                                                                  |
| 1                                                                | K9-XL-722-2    | 1   | PLATE ASSY 2' ACU                   | 124T                                                                         |
|                                                                  | K9-XL-722-21   |     | PLATE ASSY 2' ACU 4.5               | 124T-480VSJ, 124TSS, 124TSS-480V                                             |
|                                                                  | K9-XL-722-211  |     | PLATE ASSY 2' ACU WITH 4.5          | 124T-PE, 124T-PE-480V                                                        |
|                                                                  | K9-XL-722-24   |     | PLATE ASSY 2' ACU W/XLH12           | 124THE, 124THE2L                                                             |
|                                                                  | K9-XL-722-C24  |     | PLATE ASSY 2' ACU W/XLH12 CHRME     | 124TCHE                                                                      |
|                                                                  | K9-XL-722-W21  |     | PLATE ASSY 2' TALL CROME            | 124T-V                                                                       |
|                                                                  | K9-XL-724-2    |     | PLATE ASSY 2' TALL CHROME           | 124TC                                                                        |
|                                                                  | K9-XL-724-W22  |     | PLATE ASSY 2' TALL CROME            | 124TC-VL                                                                     |
|                                                                  | K9-XL-724-W24  |     | PLTE ASSY 2' ACU CHRME 3/4H         | 124TC-TE                                                                     |
|                                                                  | K9-XL-718-2    |     | PLATE ASSY 2' ACU REAR GUTR         | 124TR                                                                        |
|                                                                  | K9-XL-718-22   |     | GRIDDLE PLATE ASSY-2'               | 124TB                                                                        |
| 2                                                                | 2N-11030-30    | 2   | ELMNT GRID 208V 1257W               | 124T                                                                         |
|                                                                  | 2N-11030-04    |     | ELMNT GRID 380V 5991W               | 124T-380V                                                                    |
| 3                                                                | 2N-11030-29    | 2   | ELE GRD 208/240V4.5KW/6KW           | 124T                                                                         |
|                                                                  | 2N-11030-31    |     | ELMNT GRID 480V 5991W               | 124T-480V/M, 124T-480VSJ, 124T-PE-480V, 124TSS-480V, 124TC-480VM             |
| 4                                                                | K9-XL-426      | 2   | ELEMENT PAN PLATE                   | 124T                                                                         |
| 5                                                                | K9-XL-439      | 2   | ELEMENT PAN Z ASSY                  | 124T                                                                         |
| 6                                                                | 2H-XL-424      | 2   | ELEMENT PAN INSULATION              |                                                                              |
| 7                                                                | K9-XL-434      | 2   | ELEMENT PAN ASSEMBLY                | 124T                                                                         |
| 8                                                                | 2C-20201-04    | 12  | WSHR FLT 3/8 USS PLTD               | 124T                                                                         |
| 9                                                                | 2C-20301-06    | 12  | NUT HEX 5/16-18 PLTD                | 124T                                                                         |
| 10                                                               | 2C-20103-02    | 16  | SCRW SM PLT 10 X .5 PHLSL           | 124T                                                                         |
| 11                                                               | K9-XL-227      | 1   | SUPPLY WIRE BAFFLE                  | 124T                                                                         |
| 12                                                               | Y9-31200-02-1  | 1   | GROUNDING LUG/+LABEL                |                                                                              |
| 13                                                               | 2C-20202-06    | 1   | WSHR LOCK #10 INT STAR              |                                                                              |
| 14                                                               | 2E-30500-07    | 1   | TRM BLOCK 3PLELRGE 125AMP           | 124T                                                                         |
| 15                                                               | 2C-20103-01    | 4   | SCRW SM PLT 10X7/8 PHIL             |                                                                              |
| 17                                                               | K9-XL-507      | 1   | REAR COVER                          |                                                                              |
| 18                                                               | 2C-20104-04    | 3   | SCRW PHD ST 8-32X.5 PLTD PHILP      |                                                                              |
| 19                                                               | 2P-70903-08    | 1   | PLG BTN PLTD MTL 5/16               | 124T                                                                         |
|                                                                  | 2P-70903-09    |     | PLG BTN PLTD MTL 7/16               | 124T                                                                         |
|                                                                  | 2P-70903-09    | 4   | PLG BTN PLTD MTL 7/16               | 124T                                                                         |
| 20                                                               | 2A-72500-05    | 4   | LEG 4 W/BOLT DOWN ADJ               | 124T-380VM, 124T-440VM                                                       |
|                                                                  | 2A-Z0314       |     | FOOT, 4" DIE CAST                   | 124T                                                                         |
| 21                                                               | 2K-70801-02    | 2   | SNAP BUSH 1 3/8 SB1375-16           | 124T                                                                         |
| 22                                                               | 2T-30401-30    | 2   | STAT FXD 550° DEG OPEN              | 124THE2L                                                                     |
|                                                                  | 2T-30402-07    |     | STAT ADJ 550o 48 C/T (2 Pole)       | 124T, 124T-220V, 124THE2L                                                    |
|                                                                  | 2T-30402-09    |     | STAT ADJ 550° 72 C/T (4 Pole)       | 124T-220VCW, 124T-480V, 124T-PE, 124T-PE-480V, 124TC-TE, 124TSS, 124TSS-480V |
| 23                                                               | 2C-20101-77    | 4   | SCRW MS PLT 6-32 X .25 PHD          |                                                                              |
| 24                                                               | K9-XL-524-1    | 1   | ELECT BOX COVER SPOT 2'             | 124T                                                                         |
| 25                                                               | Y9-31601-01-1  | 3   | PILOT LT 250V 6LEAD BLK, w/TIN CLIP | 124T, 124T-220V                                                              |
|                                                                  | Y9-31601-01-1  |     | PILOT LT 250V 6LEAD BLK, w/TIN CLIP | 124THE2L                                                                     |
|                                                                  | Y9-31601-02-1  |     | PILOT LT 480V 6LEAD BLK, w/TIN CLIP | 124T-380V/M, 124T-480V/M, 124T-480VSJ, 124T-PS-480V, 124TSS-480V             |
| 26                                                               | Y9-70701-14    | 2   | KNOB ASSY 550°F C, BLACK            | 124T-220VCW, 124T-480VSJ, 124T-PE, 124T-PE-480V, 124TSS, 124TSS-480V         |
|                                                                  | Y9-70701-14-2  |     | KNOB ASSY 550°F C, RED              |                                                                              |
|                                                                  | Y9-70701-15    |     | KNOB ASSY 550°F D, BLACK            | 124T, 124T-220V, 124T-480V                                                   |
|                                                                  | Y9-70701-15-2  |     | KNOB ASSY 550°F D, RED              |                                                                              |
| 27                                                               | K9-XL-725-04   | 1   | ELECT BOX ASSY 2' XL/LG             | 124T, 124T-220V                                                              |
|                                                                  | K9-XL-725-041  |     |                                     | 124T-220VCW, 124T-480VSJ, 124T-PE, 124TC-TE, 124TSS                          |
|                                                                  | K9-XL-725-04-1 |     |                                     | 124TCHE-T                                                                    |
|                                                                  | K9-XL-725-W13  |     | ELECT BOX ASSY 2' XL/LG             | 124THE2L                                                                     |
|                                                                  | K9-XL-725-042  |     | ELEC BOX ASSY-2' ACCU RG            | 124TR                                                                        |
| 28                                                               | K9-XL-422-1    | 1   | ACCESS PANEL ASSY 2'                | 124T                                                                         |
| 29                                                               | K9-50302-07    | 1   | GREASE BUCKET ASSY S/S              | 124T                                                                         |
|                                                                  | K9-XL-235-2    |     | GREASE BUCKET ASSY LGR SS           | 124TB                                                                        |
|                                                                  | K9-XL-235-30   |     | GREASE BUCKET ASSY REAR GUTTER      | 124TR                                                                        |
| 30                                                               | K9-XL-228      | 1   | BUCKET SLIDE ASSY                   | 124T                                                                         |
|                                                                  | K9-XL-228-1    |     | BUCKET SLIDE ASSY LGR               | 124TB                                                                        |
|                                                                  | K9-XL-228-30   |     | BKT SLIDE ASSY REAR GUTTER          | 124TR                                                                        |
| 31                                                               | K9-XL-504      | 2   | STAT HOLDER                         | 124T                                                                         |
| NI                                                               | 2E-30705-01    | 2   | CONTC 2-SPD MTR COIL 240            | 124THE2L                                                                     |
| NI                                                               | 2E-30900-30    | 2   | FUSE, 60 AMP                        | 124THE2L                                                                     |
| NI                                                               | 2E-30901-14    | 1   | FUSE BLOCK 2 POLE 60AMP             | 124THE2L                                                                     |
| NI                                                               | 2J-40102-71    | 1   | TIMER                               | 124TCHE-T                                                                    |
| NI                                                               | K9-50302-14    | 1   | 2' GRAB BAR ASSY                    | 124T-MARINE, 124TC-V, 124TC-VL                                               |
| NI                                                               | K9-LGCL-234-1  | 1   | DRAWER STOP                         | 124T-MARINE                                                                  |
| NI                                                               | K9-WTGC-24     | 1   | WORK TABLE GRIDDLE COVER            | 124T-BK                                                                      |

2M-W352: Thermostatic Electric Griddle, 124T - 172T

**Lang**

# PARTS LIST

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| Model No: 136T, 136TC, 136THE Accu-Temp Electric Griddle |                |     |                                     |                                                                      |
|----------------------------------------------------------|----------------|-----|-------------------------------------|----------------------------------------------------------------------|
| Fig No                                                   | Part Number    | Qty | Description                         | Application                                                          |
| 1                                                        | K9-XL-0722-3   | 1   | PLATE ASY 3' ACU                    | 136T, 136T-440VM, 136T-480V, 136TSS                                  |
|                                                          | K9-XL-0722-31  |     | PLATE ASSY 3' ACCU 4.5"             | 136TSS                                                               |
|                                                          | K9-XL-0722-311 |     | PLATE ASY 3' ACT TALL B             | 136T-PE                                                              |
|                                                          | K9-XL-0722-W35 |     | PLATE ASY 3' ACU-NO TAPER           | 136TNTS                                                              |
|                                                          | K9-XL-0724-34  |     | PLATE ASSY 3' ACU W/6.75            | 136TC-TE, 136THE                                                     |
|                                                          | K9-XL-0724-W3  |     | PLATE ASSY 3' ACU CHROME            | 136TC                                                                |
| 2                                                        | 2N-11030-30    | 3   | ELMNT GRID 208V 1257W               | 136T                                                                 |
| 3                                                        | 2N-11030-04    | 3   | ELMNT GRID 380V 5991W               | 136TC-TE-380, 136T-380V                                              |
|                                                          | 2N-11030-29    |     | ELE GRD 208/240V4.5KW/6KW           | 136T                                                                 |
|                                                          | 2N-11030-31    |     | ELMNT GRID 480V 5991W               | 136T-480V, 136THE-480VM, 136T-PE-480V                                |
|                                                          | 2N-11030-48    |     | ELE GRD 440V 5991W                  | 136T-440VM, 136TC-440VM, 136THE-440VM                                |
| 4                                                        | K9-XL-426      | 3   | ELEMENT PAN PLATE                   | 136T                                                                 |
| 5                                                        | K9-XL-439      | 3   | ELEMENT PAN Z ASSY                  | 136T, 136T-440VM, 136T-480V                                          |
| 6                                                        | 2H-XL-424      | 3   | ELEMENT PAN INSULATION              | 136T, 136T-440VM, 136T-480V                                          |
| 7                                                        | K9-XL-434      | 3   | ELEMENT PAN ASSEMBLY                | 136T, 136T-440VM, 136T-480V                                          |
| 8                                                        | 2C-20201-04    | 18  | WSHR FLT 3/8 USS PLTD               | 136T, 136T-440VM, 136T-480V                                          |
| 9                                                        | 2C-20103-06    | 2   | SCRW SM PLT 6 X 3/8 PHL             | 136T, 136T-440VM, 136T-480V                                          |
|                                                          | 2C-20301-06    | 18  | NUT HEX 5/16-18 PLTD                | 136T, 136T-440VM, 136T-480V                                          |
| 10                                                       | 2C-20103-02    | 18  | SCRW SM PLT 10 X .5 PHLSL           | 136T, 136T-440VM, 136T-480V                                          |
| 11                                                       | K9-XL-227      | 1   | SUPPLY WIRE BAFFLE                  | 136T, 136T-440VM, 136T-480V                                          |
| 12                                                       | Y9-31200-02-1  | 1   | GROUNDING LUG/+LABEL                | 136T, 136T-440VM, 136T-480V                                          |
| 13                                                       | 2C-20202-06    | 1   | WSHR LOCK #10 INT STAR              | 136T, 136T-440VM, 136T-480V                                          |
| 14                                                       | 2E-30500-07    | 1   | TRM BLOCK 3PLELRGE 125AMP           | 136T, 136T-440VM, 136T-480V, 136THE                                  |
| 15                                                       | 2C-20103-01    | 4   | SCRW SM PLT 10X7/8 PHIL             | 136T                                                                 |
| 16                                                       | 2E-30500-22    | 1   | TRMINL STRP 8POLE 50A250V           | 136T                                                                 |
| 17                                                       | K9-XL-507      | 1   | REAR COVER                          | 136T                                                                 |
| 18                                                       | 2C-20104-04    | 3   | SCRW PHD ST 8-32X.5 PLTD PHILP      | 136T                                                                 |
| 19                                                       | 2P-70903-08    | 1   | PLG BTN PLTD MTL 5/16               | 136T                                                                 |
|                                                          |                |     | PLG BTN PLTD MTL 7/16               | 136T                                                                 |
|                                                          | 2P-70903-09    | 4   | PLG BTN PLTD MTL 7/16               | 136T                                                                 |
| 20                                                       | 2A-72500-05    | 4   | LEG 4 W/BOLT DOWN ADJ               | 136T-440VM, 136THE-440VM/480VM, 136T-380VM                           |
|                                                          | 2A-20314       |     | FOOT, 4" DIE CAST                   | 136T                                                                 |
| 21                                                       | 2K-70801-02    | 2   | SNAP BUSH 1 3/8 SB1375-16           | 136T                                                                 |
| 22                                                       | 2T-30402-07    | 3   | STAT ADJ 550° 48 C/T                | 136T (all voltages)                                                  |
|                                                          | 2T-30402-09    |     | STAT ADJ 550° 72 C/T                | 136TC-TE, 136TC-TE-380, 136T-PE, 136TSS                              |
| 23                                                       | 2C-20101-77    | 6   | SCRW MS PLT 6-32 X .25 PHD          | 136T                                                                 |
| 24                                                       | K9-XL-524-2    | 1   | ELECT. BOX COVER 3' & 4'            | 136T                                                                 |
| 25                                                       | Y9-31601-01-1  | 3   | PILOT LT 250V 6LEAD BLK, w/TIN CLIP | 136T                                                                 |
|                                                          | Y9-31601-02-1  |     | PILOT LT 480V 6LEAD BLK, w/TIN CLIP | 136T-440VM, 136T-480VM, 136TC-TE-380, 136THE-440/480VM, 136T-PE-480V |
| 26                                                       | Y9-70701-14    | 3   | KNOB 550° D, BLACK                  | 136TC-TE, 136TC-TE-380, 136T-PE, 136TSS                              |
|                                                          | Y9-70701-14-2  |     | KNOB 550° D, RED                    |                                                                      |
|                                                          | Y9-70701-15    |     | KNOB 550o D, BLACK                  | 136T                                                                 |
|                                                          | Y9-70701-15-2  |     | KNOB 550o D, RED                    |                                                                      |
| 27                                                       | K9-XL-725-08   | 1   | ELECT BOX ASY 3' XL/LG              | 136T                                                                 |
|                                                          | K9-XL-725-081  |     |                                     | 136TC-TE, 136T-PE, 136TSS                                            |
| 28                                                       | K9-XL-422-2    | 1   | ACCESS PANEL ASSY 3'                | 136T                                                                 |
| 29                                                       | K9-50302-07    | 1   | GREASE BUCKET ASSY S/S              | 136T                                                                 |
|                                                          | K9-XL-235-2    |     | GREASE BUCKET ASSY S/S              | 136SB                                                                |
|                                                          | K9-XL-235-30   |     | BUCKET SLIDE ASSY REAR              | 136SR                                                                |
| 30                                                       | K9-XL-228      | 1   | BUCKET SLIDE ASSY                   | 136T                                                                 |
|                                                          | K9-XL-228-1    |     | BUCKET SLIDE ASSY FNT & REAR        |                                                                      |
|                                                          | K9-XL-228-30   |     | BUCKET SLIDE ASSY REAR              |                                                                      |
| 31                                                       | K9-XL-504      | 3   | STAT HOLDER                         | 136T                                                                 |
|                                                          | K9-XL-506      |     | BULB HOLDER ASSY ELECTRIC           | 136TSS                                                               |
| 32                                                       | K9-XL-759-3    | 1   | PANEL COVER ASSY 3' - CP            | CORRECTIONAL PACKAGE                                                 |
| NI                                                       | K9-50302-15    | 1   | 3' GRAB BAR ASSY                    | 136T-440VM, 136THE-VM, 136T-380VM                                    |
| NI                                                       | K9-LGCL-234-1  | 1   | DRAWER STOP                         | 136T-440VM, 136THE-VM, 136T-380VM                                    |
| NI                                                       | 2P-50100-15    | 1   | GRIDDLE SCRAPER 12"                 | CHROME UNITS                                                         |
| NI                                                       | 2P-50100-16    | 1   | BOM AMI CLEANER                     | CHROME UNITS                                                         |
| NI                                                       | 2P-50100-17    | 1   | 20" PALMYRA BRUSH                   | CHROME UNITS                                                         |

2M-W352: Thermostatic Electric Griddle, 124T - 172T

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| Model No: 148T, 148TC, 148TSS, 148THS Accu-Temp Electric Griddle |               |     |                                     |                                                                                                                                    |
|------------------------------------------------------------------|---------------|-----|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Fig No                                                           | Part Number   | Qty | Description                         | Application                                                                                                                        |
| 1                                                                | K9-XL-722-4   | 1   | PLATE ASY 4' ACU                    | 148T                                                                                                                               |
|                                                                  | K9-XL-722-41  |     | PLATE ASY 4' ACU 4.5                | 148T-SJ, 148TSS                                                                                                                    |
|                                                                  | K9-XL-722-411 |     | PLATE ASY 4' ACU TALL B             | 148T-PE                                                                                                                            |
|                                                                  | K9-XL-722-44  |     | PLATE ASY 4' ACU CHRME 3/4H         | 148TC-TE, 148THE                                                                                                                   |
|                                                                  | K9-XL-0724-41 |     | PLATE ASSY 4' ACCU                  | 148TCHE                                                                                                                            |
|                                                                  | K9-XL-724-4   |     | PLATE ASY 4' ACU CHROME             | 148TC, 148TC-TE                                                                                                                    |
| 2                                                                | 2N-11030-30   | 4   | ELMNT GRID 208V 1257W               | ALL                                                                                                                                |
| 3                                                                | 2N-11030-04   | 4   | ELMNT GRID 380V 5991W               | 148TC-TE-380, 148TC-380V                                                                                                           |
|                                                                  | 2N-11030-29   |     | ELE GRD 208/240V4.5KW/6KW           | 148T                                                                                                                               |
|                                                                  | 2N-11030-31   |     | ELMNT GRID 480V 5991W               | 148T-480V, 148TSS-480V, 148TC-TE-480                                                                                               |
|                                                                  | 2N-11030-48   |     | ELE GRD 440V 5991W                  | 148T-440VM, 148THE-440VM                                                                                                           |
| 4                                                                | K9-XL-426     | 4   | ELEMENT PAN PLATE                   | ALL                                                                                                                                |
| 5                                                                | K9-XL-439     | 4   | ELEMENT PAN Z ASSY                  | ALL                                                                                                                                |
| 6                                                                | 2H-XL-424     | 4   | ELEMENT PAN INSULATION              | ALL                                                                                                                                |
| 7                                                                | K9-XL-434     | 3   | ELEMENT PAN ASSEMBLY                | ALL                                                                                                                                |
| 8                                                                | 2C-20201-04   | 24  | WSHR FLT 3/8 USS PLTD               | ALL                                                                                                                                |
| 9                                                                | 2C-20301-06   | 24  | NUT HEX 5/16-18 PLTD                | ALL                                                                                                                                |
| 10                                                               | 2C-20103-02   | 15  | SCRW SM PLT 10 X .5 PHLSL           | ALL                                                                                                                                |
| 11                                                               | K9-XL-227     | 1   | SUPPLY WIRE BAFFLE                  | ALL                                                                                                                                |
| 12                                                               | Y9-31200-02-1 | 1   | GROUNDING LUG/+LABEL                | ALL                                                                                                                                |
| 13                                                               | 2C-20202-06   | 1   | WSHR LOCK #10 INT STAR              | ALL                                                                                                                                |
| 14                                                               | 2E-30500-07   | 1   | TRM BLOCK 3PLELRGE 125AMP           | 148T, 148T-M, 148TC, 148TH-208/240V, 148T-SJ, 148TC-TE, 148TSS, 148THS-208/240V, 148T-440VM, 148T-480VM, 148TC-TE-380, 148TSS-480V |
| 15                                                               | 2C-20103-01   | 4   | SCRW SM PLT 10X7/8 PHIL             | 148T, 148T-M, 148TC, 148TH-208/240V, 148T-SJ, 148TC-TE, 148TSS, 148THS-208/240V                                                    |
| 16                                                               | 2E-30500-22   | 1   | TRMINL STRP 8POLE 50A250V           | 148T, 148T-M, 148TC, 148TH-208/240V, 148T-SJ, 148TC-TE, 148TSS, 148THS-208/240V                                                    |
| 17                                                               | K9-XL-507     | 2   | REAR COVER                          | ALL                                                                                                                                |
| 18                                                               | 2C-20104-04   | 6   | SCRW PHD ST 8-32X.5 PLTD PHILP      | ALL                                                                                                                                |
| 19                                                               | 2P-70903-02   | 2   | PLG BTN PLTD MTL 1/2                | ALL                                                                                                                                |
|                                                                  | 2P-70903-08   | 1   | PLG BTN PLTD MTL 5/16               |                                                                                                                                    |
|                                                                  | 2P-70903-09   | 3   | PLG BTN PLTD MTL 7/16               |                                                                                                                                    |
| 20                                                               | 2A-72500-05   | 4   | LEG 4 W/BOLT DOWN ADJ               | ALL MARINE APPLICATIONS                                                                                                            |
|                                                                  | 2A-Z0314      |     | FOOT, 4" DIE CAST                   | 148T                                                                                                                               |
| 21                                                               | 2K-70801-02   | 2   | SNAP BUSH 1 3/8 SB1375-16           | ALL                                                                                                                                |
| 22                                                               | 2T-30402-07   | 4   | STAT ADJ 550° 48 C/T                | 148T, 148TC                                                                                                                        |
|                                                                  | 2T-30402-08   |     | STAT ADJ 450° 72 C/T                | 148T-440VM                                                                                                                         |
|                                                                  | 2T-30402-09   |     | STAT ADJ 550° 72 C/T                | 148T-SJ, 148TC-TE, 148TSS, 148T-PE                                                                                                 |
| 23                                                               | 2C-20101-77   | 8   | SCRW MS PLT 6-32 X .25 PHD          | ALL                                                                                                                                |
| 24                                                               | K9-XL-524-2   | 1   | ELECT. BOX COVER 3' & 4'            | ALL                                                                                                                                |
| 25                                                               | Y9-31601-01-1 | 4   | PILOT LT 250V 6LEAD BLK, w/TIN CLIP | 148T                                                                                                                               |
|                                                                  | Y9-31601-02-1 |     | PILOT LT 480V 6LEAD BLK, w/TIN CLIP | 148T-440VM, 148T-480V, 148TC-TE-380, 148TSS-480V, 148TC-380V, 148THE-440VM                                                         |
| 26                                                               | Y9-70701-12   | 4   | KNOB ASSY 550° A, BLACK             | 148T-480V                                                                                                                          |
|                                                                  | Y9-70701-12-2 |     | KNOB ASSY 550° A, RED               |                                                                                                                                    |
|                                                                  | Y9-70701-14   |     | KNOB 550° D, BLACK                  | 148T-SJ, 148TC-TE, 148TSS, 148T-PE                                                                                                 |
|                                                                  | Y9-70701-14-2 |     | KNOB 550° D, RED                    |                                                                                                                                    |
|                                                                  | Y9-70701-15   |     | KNOB 550° D, BLACK                  | 148T                                                                                                                               |
|                                                                  | Y9-70701-15-2 |     | KNOB 550° D, RED                    |                                                                                                                                    |
|                                                                  | Y9-70701-19   |     | KNOB 450° D, BLACK                  | 148T-440VM                                                                                                                         |
|                                                                  | Y9-70701-19-2 |     | KNOB 450° D, RED                    |                                                                                                                                    |
| 27                                                               | K9-XL-725-12  | 1   | ELECT BOX ASY 4' XL/LG              | ALL                                                                                                                                |
|                                                                  | K9-XL-725-121 |     | ELECT BOX ASY 4' XL/LG              | 148T-SJ, 148TC-TE, 148TSS, 148T-PE                                                                                                 |
| 28                                                               | K9-XL-422-3   | 1   | ACCESS PANEL ASSY 4'                | ALL                                                                                                                                |
| 29                                                               | K9-50302-07   | 1   | GREASE BUCKET ASSY S/S              | ALL                                                                                                                                |
|                                                                  | K9-XL-235-2   |     | GREASE BUCKET ASSY S/S              | 148SB                                                                                                                              |
| 30                                                               | K9-XL-228     | 1   | BUCKET SLIDE ASSY                   | ALL                                                                                                                                |
|                                                                  | K9-XL-228-1   |     | BUCKET SLIDE ASSY FNT & REAR        | 148SB                                                                                                                              |
| 31                                                               | K9-XL-504     | 4   | STAT HOLDER                         | 148TCHE                                                                                                                            |
|                                                                  | K9-XL-506     |     | BULB HOLDER ASSY ELECTRIC           |                                                                                                                                    |
| NI                                                               | K9-50302-16   | 1   | 4' GRAB BAR ASSY                    | MARINE APPLICATIONS                                                                                                                |
| NI                                                               | K9-LGCL-234-1 | 1   | DRAWER STOP                         | MARINE APPLICATIONS                                                                                                                |

2M-W352: Thermostatic Electric Griddle, 124T - 172T

# PARTS LIST

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| Model No: 160T, 160TC, 160TSS Accu-Temp Electric Griddle |               |     |                                     |                                    |
|----------------------------------------------------------|---------------|-----|-------------------------------------|------------------------------------|
| Fig No                                                   | Part Number   | Qty | Description                         | Application                        |
| 1                                                        | K9-XL-0722-5  | 1   | PLATE ASY 5' ACU                    | 160T                               |
|                                                          | K9-XL-0722-51 |     | PLATE ASY 5' ACU 4.5                | 160TSS                             |
|                                                          | K9-XL-722-511 |     | PLATE ASY 5' ACU TALL               | 160T-PE                            |
|                                                          | K9-XL-0724-54 |     | PLATE ASY 5' ACU CHRME 3/4"         | 160TC-TE, 160THE                   |
|                                                          | K9-XL-722-P5  |     | PLATE ASSY 5' W/PARTITION           | 160T-P-480V                        |
| 2                                                        | 2N-11030-30   | 5   | ELMNT GRID 208V 1257W               | 160T                               |
| 3                                                        | 2N-11030-29   | 5   | ELE GRD 208/240V4.5KW/6KW           | 160T                               |
|                                                          | 2N-11030-31   |     | ELMNT GRID 480V 5991W               | 160T-480V, 160TSS-480V             |
|                                                          | 2N-11030-48   |     | ELE GRD 440V 5991W                  | 160T-440VM                         |
| 4                                                        | K9-XL-426     | 5   | ELEMENT PAN PLATE                   | 160T                               |
| 5                                                        | K9-XL-439     | 5   | ELEMENT PAN Z ASSY                  | 160T                               |
| 6                                                        | 2H-XL-424     | 5   | ELEMENT PAN INSULATION              | 160T                               |
| 7                                                        | K9-XL-434     | 5   | ELEMENT PAN ASSEMBLY                | 160T                               |
| 8                                                        | 2C-20201-04   | 30  | WSHR FLT 3/8 USS PLTD               | 160T                               |
| 9                                                        | 2C-20301-06   | 30  | NUT HEX 5/16-18 PLTD                | 160T                               |
| 10                                                       | 2C-20103-02   | 34  | SCRW SM PLT 10 X .5 PHLSL           | 160T                               |
| 11                                                       | K9-XL-227     | 2   | SUPPLY WIRE BAFFLE                  | 160T                               |
| 12                                                       | 2E-31200-02   | 2   | GROUNDING LUG/+LABEL                | 208/240V                           |
|                                                          | Y9-31200-02-1 |     |                                     | 480V                               |
| 13                                                       | 2C-20202-06   | 2   | WSHR LOCK #10 INT STAR              | 160T                               |
| 14                                                       | 2E-30500-07   | 2   | TRM BLOCK 3PLELRGE 125AMP           | 160T                               |
| 15                                                       | 2C-20103-01   | 8   | SCRW SM PLT 10X7/8 PHIL             | 160T                               |
| 16                                                       | 2E-30500-20   | 2   | TERMINAL STRIP 4 POLE 50A 250V      | 160T-208/240V                      |
| 16                                                       | 2E-30500-22   | 2   | TRMINL STRP 8POLE 50A250V           | 160T                               |
| 17                                                       | K9-XL-507     | 2   | REAR COVER                          | 160T                               |
| 18                                                       | 2C-20104-04   | 6   | SCRW PHD ST 8-32X.5 PLTD PHILP      | 160T                               |
| 19                                                       | 2P-70803-02   | 2   | PLG BTN PLTD MTL 1/2                | 160T-208/240V                      |
|                                                          |               | 8   |                                     | 160TSS                             |
|                                                          | 2P-70903-08   | 2   | PLG BTN PLTD MTL 5/16               | 160T                               |
|                                                          | 2P-70903-09   |     | PLG BTN PLTD MTL 7/16               | 160T                               |
| 20                                                       | 2A-72500-05   | 8   | LEG 4 W/BOLT DOWN ADJ               | MARINE APPLICATIONS                |
|                                                          | 2A-20314      |     | FOOT, 4" DIE CAST                   | 160T                               |
| 21                                                       | 2K-70801-02   | 4   | SNAP BUSH 1 3/8 SB1375-16           | 160T                               |
| 22                                                       | 2T-30402-07   | 5   | STAT ADJ 550° 48 C/T                | 160T                               |
|                                                          | 2T-30402-09   |     | STAT ADJ 550° 72 C/T                | 160TC-TE, 160TSS, 160T-PE          |
| 23                                                       | 2C-20101-77   | 10  | SCRW MS PLT 6-32 X .25 PHD          |                                    |
| 24                                                       | K9-XL-524-1   | 1   | ELECT BOX COVER SPOT 2'             | 160T                               |
|                                                          | K9-XL-524-2   | 1   | ELECT. BOX COVER 3' & 4'            | 160T                               |
| 25                                                       | Y9-31601-01-1 | 5   | PILOT LT 250V 6LEAD BLK, w/TIN CLIP | 160T                               |
|                                                          | Y9-31601-02-1 |     | PILOT LT 480V 6LEAD BLK, w/TIN CLIP | 160T-480V, 160TSS-480V, 160T-440VM |
| 26                                                       | Y9-70701-14   | 5   | KNOB ASSY 550° D, BLACK             | 160TC-TE, 160TSS, 160T-PE          |
|                                                          | Y9-70701-14-2 |     | KNOB ASSY 550° D, RED               |                                    |
|                                                          | Y9-70701-15   |     | KNOB ASSY 550° D, BLACK             | 160T                               |
|                                                          | Y9-70701-15-2 |     | KNOB ASSY 550° D, RED               |                                    |
| 27                                                       | K9-XL-725-04  | 1   | ELECT BOX ASY 2' XL/LG              | 160T                               |
|                                                          | K9-XL-725-041 |     |                                     | 160TC-TE, 160TSS, 160T-PE          |
|                                                          | K9-XL-725-08  |     | ELECT BOX ASY 3' XL/LG              | 160T                               |
|                                                          | K9-XL-725-081 |     |                                     | 160TC-TE, 160TSS, 160T-PE          |
| 28                                                       | K9-XL-422-1   | 1   | ACCESS PANEL ASSY 2'                | 160T                               |
|                                                          | K9-XL-422-2   |     | ACCESS PANEL ASSY 3'                | 160T                               |
| 29                                                       | K9-50302-07   | 2   | GREASE BUCKET ASSY S/S              | 160T                               |
| 30                                                       | K9-XL-228     | 2   | BUCKET SLIDE ASSY                   | 160T                               |
|                                                          | K9-XL-228-1   |     | BUCKET SLIDE ASSY FNT & REAR        |                                    |
|                                                          | K9-XL-228-30  |     | BUCKET SLIDE ASSY REAR              |                                    |
| 31                                                       | K9-XL-504     | 5   | STAT HOLDER                         | 160T                               |
| 32                                                       | K9-XL-759-2   | 1   | PANEL COVER ASSY 2' - CP            | CORRECTIONAL PKG                   |
|                                                          | K9-XL-759-3   |     | PANEL COVER ASSY 3' - CP            | CORRECTIONAL PKG                   |
| NI                                                       | K9-50302-21   | 1   | 5' GRAB BAR SUPPORT - XL-LG         | MARINE APPLICATIONS                |

2M-W352: Thermostatic Electric Griddle, 124T - 172T

# PARTS LIST

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| Model No: 172T, 172TC, 172TSS Accu-Temp Electric Griddle |                |     |                                     |                                                                                     |
|----------------------------------------------------------|----------------|-----|-------------------------------------|-------------------------------------------------------------------------------------|
| Fig No                                                   | Part Number    | Qty | Description                         | Application                                                                         |
| 1                                                        | K9-XL-719-611  | 1   | PLATE ASSY 6' ACCU-REAR             | 172TCR                                                                              |
|                                                          | K9-XL-720-61   |     | TOP PLATE ASSY 6" LGR               | 172TBC                                                                              |
|                                                          | K9-XL-0722-6   |     | PLATE ASY 5' ACU                    | 172T                                                                                |
|                                                          | K9-XL-0722-61  |     | PLATE ASY 6' ACU 4.5                | 172T-480VSJ, 172T-SJ, 172TSS                                                        |
|                                                          | K9-XL-0722-611 |     | PLATE ASY 6' ACU TALL               | 172T-PE                                                                             |
|                                                          | K9-XL-724-6    |     | PLATE ASY 6' ACU CHROME             | 172TC                                                                               |
|                                                          | K9-XL-724-64   |     | PLTE ASY 6'ACU CHRME 3/4H           | 172TC-TE                                                                            |
| 2                                                        | 2N-11030-30    | 6   | ELMNT GRID 208V 1257W               | 172T                                                                                |
| 3                                                        | 2N-11030-29    | 6   | ELE GRD 208/240V4.5KW/6KW           | 172T                                                                                |
|                                                          | 2N-11030-04    |     | ELMNT GRID 380V 5991W               | 172T-380V                                                                           |
|                                                          | 2N-11030-31    |     | ELMNT GRID 480V 5991W               | 172T-480V, 172TC-480V 172T-480VSJ, 172T-PE-480V                                     |
|                                                          | 2N-11030-48    |     | ELE GRD 440V 5991W XL/LG            | 172T-440VM                                                                          |
| 4                                                        | K9-XL-426      | 6   | ELEMENT PAN PLATE                   | 172T                                                                                |
| 5                                                        | K9-XL-439      | 6   | ELEMENT PAN Z ASSY                  | 172T                                                                                |
| 6                                                        | 2H-XL-424      | 6   | ELEMENT PAN INSULATION              | 172T                                                                                |
| 7                                                        | K9-XL-434      | 6   | ELEMENT PAN ASSEMBLY                | 172T                                                                                |
| 8                                                        | 2C-20201-04    | 36  | WSHR FLT 3/8 USS PLTD               | 172T                                                                                |
| 9                                                        | 2C-20301-06    | 36  | NUT HEX 5/16-18 PLTD                | 172T                                                                                |
| 10                                                       | 2C-20103-02    | 36  | SCRW SM PLT 10 X .5 PHLSL           | 172T                                                                                |
| 11                                                       | K9-XL-227      | 2   | SUPPLY WIRE BAFFLE                  | 172T                                                                                |
| 12                                                       | 2E-31200-02    | 2   | GROUNDING LUG/+LABEL                | 172T, 172T-M                                                                        |
| 13                                                       | 2C-20202-06    | 2   | WSHR LOCK #10 INT STAR              | 172T, 172T-M                                                                        |
| 14                                                       | 2E-30500-07    | 2   | TRM BLOCK 3PLELRGE 125AMP           | 172T, 172T-440VM, 172T-480V, 172TC-480V 172T-480VSJ, 172T-PE-480V, 172TSS-480V      |
|                                                          | 2E-30500-02    | 2   | TRM STRP 4 POLE 30A, 600V           | 172T-380V                                                                           |
| 15                                                       | 2C-20103-01    | 12  | SCRW SM PLT 10X7/8 PHIL             | 172T                                                                                |
| 16                                                       | 2E-30500-22    | 2   | TRMINL STRP 8POLE 50A250V           | 172T, 172T-PE, 172TSS                                                               |
| 17                                                       | K9-XL-507      | 2   | REAR COVER                          | 172T                                                                                |
| 18                                                       | 2C-20104-04    | 6   | SCRW PHD ST 8-32X.5 PLTD PHILP      | 172T                                                                                |
| 19                                                       | 2P-70903-08    | 2   | PLG BTN PLTD MTL 5/16               | 172T                                                                                |
|                                                          | 2P-70903-09    | 10  | PLG BTN PLTD MTL 7/16               | 172T                                                                                |
| 20                                                       | 2A-72500-05    | 8   | LEG 4 W/BOLT DOWN ADJ               | 172T-M, 172T-440VM, 172T-480VM                                                      |
|                                                          | 2A-Z0314       |     | FOOT, 4" DIE CAST                   | 172T                                                                                |
| 21                                                       | 2K-70801-02    | 4   | SNAP BUSH 1 3/8 SB1375-16           | 172T                                                                                |
| 22                                                       | 2T-30402-07    | 6   | STAT ADJ 550° 48 C/T                | 172T (all voltages)                                                                 |
|                                                          | 2T-30402-09    |     | STAT ADJ 550° 72 C/T                | 172T-480VSJ, 172T-PE, 172T-SJ, 172TC-TE, 172TSS                                     |
| 23                                                       | 2C-20101-77    | 12  | SCRW MS PLT 6-32 X .25 PHD          | 172T                                                                                |
| 24                                                       | K9-XL-524-2    | 2   | ELECT BOX CVER SPT 3' & 4'          | 172T                                                                                |
| 25                                                       | Y9-31601-01-1  | 6   | PILOT LT 250V 6LEAD BLK, w/TIN CLIP | 172T                                                                                |
|                                                          | Y9-31601-02-1  |     | PILOT LT 480V 6LEAD BLK, w/TIN CLIP | 172T-440VM, 172T-480V, 172TC-480V 172T-480VSJ, 172T-PE-480V, 172TSS-480V, 172T-380V |
| 26                                                       | Y9-70701-14    | 6   | KNOB ASSY 550° D, BLACK             | 172T-480VSJ, 172T-PE, 172T-SJ, 172TC-TE, 172TSS                                     |
|                                                          | Y9-70701-14-2  |     | KNOB ASSY 550° D, RED               |                                                                                     |
|                                                          | Y9-70701-15    |     | KNOB ASSY 550° D, BLACK             | 172T, 172T-440VM                                                                    |
|                                                          | Y9-70701-15-2  |     | KNOB ASSY 550° D, RED               |                                                                                     |
| 27                                                       | K9-XL-725-08   | 2   | ELECT BOX ASY 3' XL/LG              | 172T                                                                                |
|                                                          | K9-XL-725-081  |     | ELECT BOX ASY 3' XL/LG              | 172T-480VSJ, 172T-PE, 172T-SJ, 172TC-TE, 172TSS                                     |
| 28                                                       | K9-XL-422-2    | 2   | ACCESS PANEL ASSY 3'                | 172T                                                                                |
| 29                                                       | K9-50302-07    | 2   | GREASE BUCKET ASSY S/S              | 172T                                                                                |
|                                                          | K9-XL-235-2    |     | GREASE BUCKET ASSY LGR S/S          | 172TBC                                                                              |
|                                                          | K9-XL-235-30   |     | GREASE BKT ASY REAR GUTTER          | 172TCR                                                                              |
| 30                                                       | K9-XL-228      | 2   | BUCKET SLIDE ASSY                   | 172T                                                                                |
|                                                          | K9-XL-228-1    |     | BUCKET SLIDE ASSY FNT & REAR        | 172TBC                                                                              |
|                                                          | K9-XL-228-30   |     | BUCKET SLIDE ASSY REAR              |                                                                                     |
| 31                                                       | K9-XL-504      | 6   | STAT HOLDER                         | 172T                                                                                |
|                                                          | K9-XL-504-2    |     | STAT HOLDER - ACCUTEMP              | 172TCR                                                                              |
| 32                                                       | K9-XL-759-3    | 2   | PANEL COVER ASSY 3' - CP            | CORRECTIONAL PKG                                                                    |
| NI                                                       | K9-50302-18    | 1   | 6' GRAB BAR SUPPORT - XL-LG         | 172T-M, 172T-440VM, 172T-480VM                                                      |

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