

Pro-Max[®]

TWO-SIDED GRILLS

MODEL

CG10IT4

GR10IT4

Installation and Operation Instructions

2M-Z7885 Rev.B 8/28/07



GR10IT4



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.

RETAIN THIS MANUAL FOR FUTURE REFERENCE

NOTICE

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

Star 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 Star Manufacturing 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 authorized service agent for service or required maintenance. Please record the model number, serial number, voltage and purchase date in the area below and have it ready when you call to ensure faster service.

Model No. _____

Serial No. _____

Voltage _____

Purchase Date _____

Authorized Service Agent

Reference the listing provided with the unit

or

for an updated listing go to:

Website: www.star-mfg.com
E-mail Service@star-mfg.com
Telephone: (800) 807-9054 Local (314) 781-2777

The Star Service Help Desk

Business Hours: 8:00 am to 4:30 p.m. Central Standard Time

Telephone: (800) 807-9054 Local (314) 781-2777

Fax: (800) 396-2677 Local (314) 781-2714

E-mail Parts@star-mfg.com
Service@star-mfg.com
Warranty@star-mfg.com

Website: www.star-mfg.com

Mailing Address: Star Manufacturing International Inc.
10 Sunnen Drive
St. Louis, MO 63143
U.S.A

Electrical Specifications				
CG10IT4-120V	120	1800	15.0	5-15P
CG10IT4-120C	120	1800	15.0	5-20P
GR10IT4-120V	120	1800	15.0	5-15P
GR10IT4-120C	120	1800	15.0	5-20P

120C = Canada



GENERAL INSTALLATION DATA

WARNING

This equipment is designed and sold for commercial use only by personnel trained and experienced in its operation and is not sold for consumer use in and around the home nor for use directly by the general public in food service locations.

All shipping containers should be checked for freight damage both visible and concealed. This unit has been tested and carefully packaged to insure delivery of your unit in perfect condition. If equipment is received in damaged condition, either apparent or concealed, a claim must be made with the delivering carrier.

Concealed damage or loss - if damage or loss is not apparent until after equipment is unpacked, a request for inspection of concealed damage must be made with carrier within 15 days. Be certain to retain all contents plus external and internal packaging materials for inspection. The carrier will make an inspection and will supply necessary claim forms.

VENTILATION AND CLEARANCES

The installation of any components such as a vent hood, grease extractors, and/or fire extinguishing systems, must conform to their applicable nationally recognized installation standards and/or local building codes.



ELECTRICAL CONNECTION

WARNING



Before making any electrical connection be sure to read the data plate located at the bottom of the unit.

WARNING

CONNECT/PLUG UNIT INTO DEDICATED A.C. LINE ONLY SPECIFIED ON THE DATA PLATE OF THE UNIT.



ELECTRICAL GROUNDING INSTRUCTIONS

WARNING

THIS UNIT IS EQUIPPED WITH A 3-PRONG (GROUNDING) PLUG FOR YOUR PROTECTION AGAINST SHOCK HAZARD AND MUST BE PLUGGED DIRECTLY INTO A PROPERLY GROUNDED 3-PRONG RECEPTACLE.

DO NOT CUT OR REMOVE THIS PLUG OR GROUNDING PRONG FROM THE PLUG.

INITIAL START UP

Level unit using the adjustable feet under the unit (approximately 1/2" adjustment).

Unpack the grill and put the owner's manual in a safe place for future reference. If rust is visible on the grill, use a non-metallic scouring pad and scrub off the surface rust. Wipe down the exterior and grilling area with a damp cloth. Take the grill to a ventilated area and turn the thermostat to 8-9 to burn off the factory oil. The "burn off" is complete when the smoke is gone (approximately 30 minutes). Brush any debris from the grill surfaces. Allow the grill to cool and place it in its permanent position.

SEASONING THE COOKING SURFACES

FIRST TIME SEASONING

Follow your company/corporate guidelines for seasoning cooking surfaces, or

1. Bring the grill to 300°F and leave it on while doing the next three steps.
2. Brush the cooking surfaces with a release agent. If using an aerosol agent, first apply into a cup and then brush onto cooking surface.
3. Let sit for 20 minutes, and then wipe clean using a warm damp cloth.

DAILY SEASONING

The grill should not require much seasoning while in use. In most cases, brush a light coating of the baking release agent in the morning and occasionally throughout the day will be enough to prevent any sticking. It is not necessary to spray before grilling each item.



SETTING THE TEMPERATURE

The thermostat control knob is used to set the temperature to your requirements. The maximum set point is 550°F (288°C), the minimum set point is 175°F (79°C).

Knob Position	Approx. Temp
1-2	175°F / 79°C
3	200°F / 93°C
4	250°F / 121°C
5	300°F / 148°C
6	350°F / 176°C
7	400°F / 204°C
8	450°F / 232°C
9	500°F / 260°C
10	550°F / 287°C

PROGRAMMING THE TIMER

The timer may be factory pre-set. If changes are required follow these steps:

1. Press and hold the PGM button located on the left side of the display.
2. Press and hold one of the buttons (1 through 4) that needs to be programmed. After approximately 1 second, the display window will show " _ _ _ ." When this is displayed, let go of the buttons.
3. Enter the 3-digit security code. As the digits are entered, the corresponding horizontal bar will move from the bottom to the center. The security code will not be displayed. Once the correct security code is entered, the display will be the current time of the selected button.
4. Change the time by pressing and holding the  button to increase the time or the  button to decrease the time.
5. Once the correct time is displayed, press the PGM button to save the time.
6. One can now change the time by pressing another button and repeating steps 3 and 4.
7. When programming is complete, exit the programming mode by not pressing any buttons for 15 seconds.

ON/OFF TOGGLE SWITCH

The switch turns the unit on and off. The switch has three positions:



With the switch in this position, both top and bottom platens will heat.



With the switch in this position, neither platen will heat; the unit is OFF.



With the switch in this position only the bottom platen will heat.

DAILY OPERATION

Make sure the unit is plugged into a 15 amp, 120V receptacle.

1. Turn the electrical power of the unit ON by placing the switch in either the up or down position. **IMPORTANT:** The heat will not start until the thermostat is also turned to the heating position, approximately 2 or higher on the dial.
2. To start heating, turn the temperature knob to the desired setting. Initial start-up heating time is approximately 30 minutes.
3. Place product(s) on the bottom cooking surface.
4. Close the lid if the top is also ON. If the top is OFF, the unit can be operated similar to a griddle.
5. Press the desired button (1 through 4) on the timer. The timer countdown will begin regardless of what button is pressed.
6. When the countdown reaches 0:00, the display will flash and the unit will beep. To turn off the beeping, press the same button (1 through 4) used to start the countdown.
NOTE: If one wants to end a countdown, the same button (1 through 4) can be pressed at any time in the countdown cycle. The display will return to the programmed time for that button.
7. Raise the lid to the open position and remove the product(s).
8. For best performance, keep the lid closed when products are not being cooked.

OPERATING HINTS AND SAFETY

Disconnect power to the unit with the switch at the end of each day of operation. Do not leave the unit in operation without an attendant.

Turn the thermostat down to 200°F (93°C) during idle periods. It will take only a few minutes to regain operating temperature. Use a spatula to push excess grease into the grease drawer after each load of food is cooked. This will reduce smoking of hot grease and carbonizing.

Do not leave the unit at high temperatures when not in use or during idle periods. This will cause food particles and grease film to carbonize.

"Season" cooking surfaces with non-salted vegetable oil to reduce product sticking.

MONTHLY LUBRICATION/INSPECTION

Apply two (2) drops of non-toxic mineral or vegetable oil to the counter balance shoulder rivets and plastic spacers.

Check and clean rollers to make sure they are rolling and not sliding on the cam surfaces of the counterbalance. Check the bolts, screws and nuts; tighten if necessary.

CLEANING

Begin cleaning procedure by using the operating procedures within your organization.

If your organization does not have operating procedures follow the steps below:

1. If particles adhere to the cooking surface during the day, scrape them off with a spatula.
NOTE: It is best not to let food cook onto the grill, as food build-up on the grill will increase sticking and smoking. In addition, carbon may build up on the grill surface and reduce the cooking efficiency.

CARBON BUILDUP: *A black matter that forms on or near the cooking surface. Generally this is a combination of: releasing agents, oils, food particles etc. that have been cooked onto the surface. After a period of time without cleaning, this will reduce performance and material may start flaking off. When that happens, follow the "Carbon Cleaning" procedures.*

2. At the end of the day, wipe down all surfaces with a warm, damp cloth and mild detergent, then dry.

CARBON CLEANING

When carbon build up occurs, use a carbon removal agent according to the instructions provided with the cleaner. When this process is complete, you must re-season the grill according to your company/corporate guidelines, or the seasoning instructions in this manual.



CAUTION

DO NOT IMMERSE OR LET THE UNIT STAND IN WATER.

DO NOT HOSE DOWN THE UNIT OR THE TABLE/COUNTER ON WHICH THE UNIT IS LOCATED.

KEEP AWAY FROM RUNNING WATER.



CAUTION

DO NOT USE SHARP OBJECTS TO REMOVE CARBON BUILD-UP.

BEFORE CLEANING MAKE SURE POWER IS TURNED OFF, UNIT IS UNPLUGGED AND IS NOT TOO HOT.

While holding top lid with one hand, apply only cleaners which are safe for aluminum and iron surfaces. Wipe with clean sponge or towel until unit is clean.



CAUTION

DO NOT SPLASH FRONT CONTROL PANEL!

DO NOT SPLASH THE FLEX CONDUIT CONNECTING THE TOP AND BOTTOM OF THE UNIT.

Remove and empty the grease receptacle. Clean using mild detergent and water.



CAUTION

Do not use ice or cold water to clean the cooking surfaces when the unit is hot. The surfaces are cast aluminum or cast iron and may crack or deform under the shock of rapid temperature change.

TROUBLESHOOTING

- A. Unit is not heating.
 - 1. Verify the unit is plugged into the correct receptacle.
 - 2. Check the incoming power line.
 - 3. Verify the switch is in the correct position.
 - 4. Check the thermostat is set to the proper temperature.
- B. The top platen is not heating.
 - 1. Check that the switch is in the correct position.
- C. The counter balance roller is not rolling.
 - 1. Clean the rollers.

If the unit still does not operate, contact the factory, one of its authorized representatives, or a local service company for service or required maintenance.

THOROUGHLY INSPECT YOUR UNIT ON ARRIVAL

This unit has been tested for proper operation before leaving our plant to insure delivery of your unit in perfect condition. However, there are instances in which the unit may be damaged in transit. In the event you discover any type of damage to your product upon receipt, you must immediately contact the transportation company who delivered the item to you and initiate your claim with same. If this procedure is not followed, it may affect the warranty status of the unit.

LIMITED EQUIPMENT WARRANTY

All workmanship and material in Star products have a one (1) year limited warranty on parts & labor in the United States and Canada. Such warranty is limited to the original purchaser only and shall be effective from the date the equipment is placed in service. Star's obligation under this warranty is limited to the repair of defects without charge, by the factory authorized service agency or one of its sub-agencies. Models that are considered portable (*see below*) should be taken to the closest Star service agency, transportation prepaid.

- > Star will not assume any responsibility for loss of revenue.
- > On all shipments outside the United States and Canada, see International Warranty.
- * The warranty period for the JetStar six (6) ounce & Super JetStar eight (8) ounce series popcorn machines is two (2) years.
- * The warranty period for the Chrome-Max Griddles is five (5) years on the griddle surface. See detailed warranty provided with unit.
- * The warranty period for Teflon/Dura-Tec coatings is one year under normal use and reasonable care. This warranty does not apply if damage occurs to Teflon/Dura-Tec coatings from improper cleaning, maintenance, use of metallic utensils, or abrasive cleaners. This warranty does not apply to the "non-stick" properties of such materials.
- > This warranty does not apply to "Special Products" but to regular catalog items only. Star's warranty on "Special Products" is six (6) months on parts and ninety (90) days on labor.
- > This warranty does not apply to any item that is disassembled or tampered with for any purpose other than repair by a Star Authorized Service Center or the Service Center's sub-agency.
- > This warranty does not apply if damage occurs from improper installation, misuse, wrong voltage, wrong gas or operated contrary to the Installation and Operating instructions.
- > This warranty is not valid on Conveyor Ovens *unless* a "start-up/check-out" has been performed by a Factory Authorized Technician.

PARTS WARRANTY

Parts that are sold to repair out of warranty equipment are warranted for ninety (90) days. The part only is warranted. Labor to replace the part is chargeable to the customer.

SERVICES NOT COVERED BY WARRANTY

- | | |
|--|---|
| 1. Travel time and mileage rendered beyond the 50 mile radius limit | 10. Voltage conversions |
| 2. Mileage and travel time on portable equipment (<i>see below</i>) | 11. Gas conversions |
| 3. Labor to replace such items that can be replaced easily during a daily cleaning routine, ie; removable kettles on fryers, knobs, grease drawers on griddles, etc. | 12. Pilot light adjustment |
| 4. Installation of equipment | 13. Miscellaneous adjustments |
| 5. Damages due to improper installation | 14. Thermostat calibration and by-pass adjustment |
| 6. Damages from abuse or misuse | 15. Resetting of circuit breakers or safety controls or reset buttons |
| 7. Operated contrary to the Operating and Installation Instructions | 16. Replacement of bulbs |
| 8. Cleaning of equipment | 17. Replacement of fuses |
| 9. Seasoning of griddle plates | 18. Repair of damage created during transit, delivery, & installation OR created by acts of God |

PORTABLE EQUIPMENT

Star will not honor service bills that include travel time and mileage charges for servicing any products considered "Portable" including items listed below. These products should be taken to the Service Agency for repair:

- * The Model 510FD Fryer.
- * The Model J4R, 4 oz. Popcorn Machine.
- * The Model 518CMA & 526CMA Cheese Melter.
- * The Model 12MC & 15MC & 18MCP Hot Food Merchandisers.
- * The Model 12NCPW & 15NCPW Nacho Chip/Popcorn Warmer.
- * All Hot Dog Equipment **except Roller Grills & Drawer Bun Warmers.**
- * All Nacho Cheese Warmers **except Model 11WLA Series Nacho Cheese Warmer.**
- * All Condiment Dispensers **except the Model HPDE, & SPDE Series Dispenser.**
- * All Specialty Food Warmers **except Model 130R, 11RW Series, and 11WSA Series.**
- * All QCS/RCS Series Toasters **except Model QCS3 & RCS3 Series.**

ALL:

- * Pop-Up Toasters
- * Butter Dispensers
- * Pretzel Merchandisers
- * Pastry Display Cabinets
- * Nacho Chip Merchandisers
- * Accessories of any kind
- * Sneeze Guards
- * Pizza Ovens
- * Heat Lamps
- * Pumps

The foregoing warranty is in lieu of any and all other warranties expressed or implied and constitutes the entire warranty.

FOR ASSISTANCE

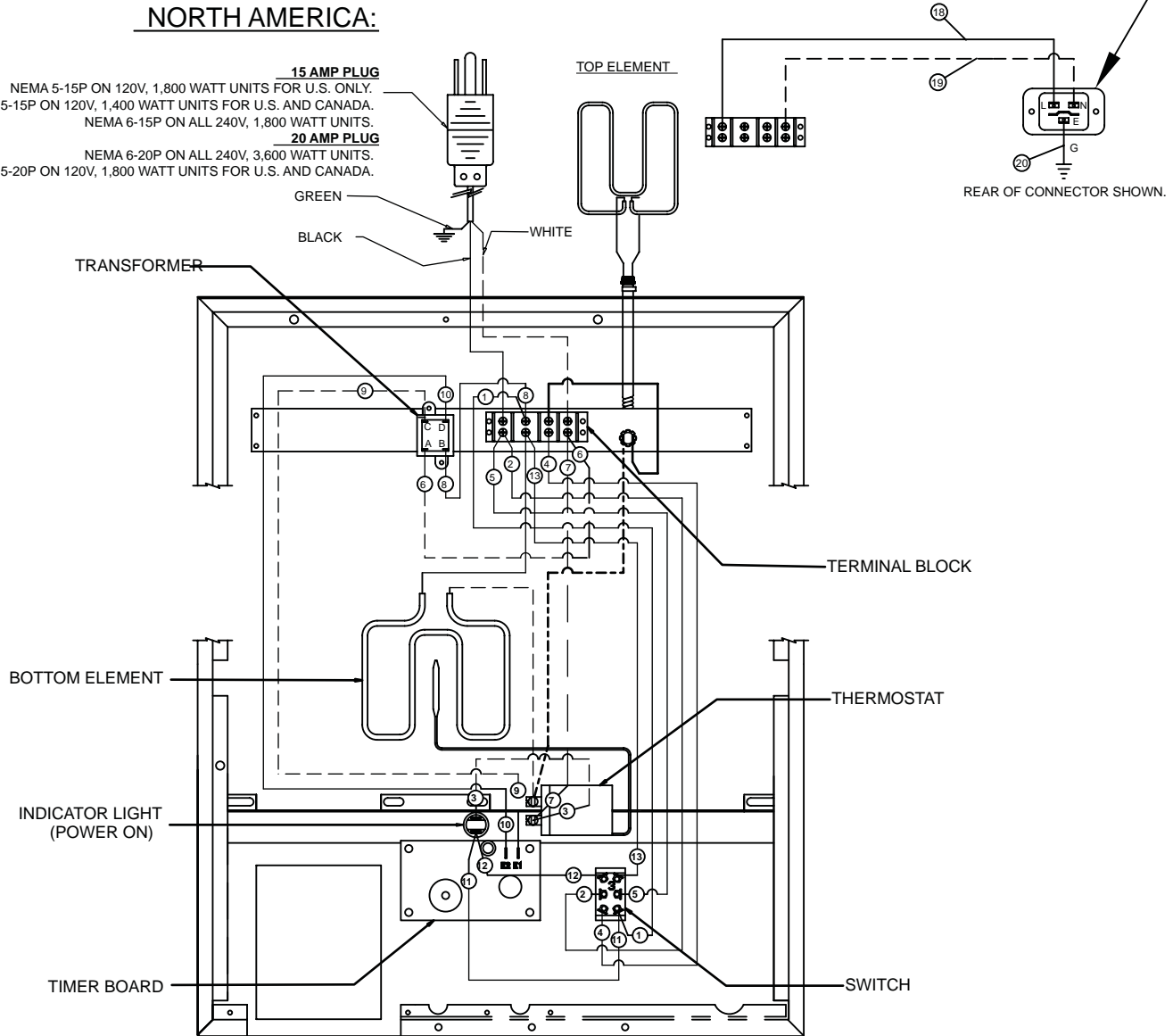
Should you need any assistance regarding the Operation or Maintenance of any Star equipment; write, phone, fax or email our Service Department. In all correspondence mention the Model number and the Serial number of your unit, and the voltage or type of gas you are using.

UNITS WITH IEC CONNECTOR:

POWER INLET CONNECTOR:
IEC 320 C-20 POWER INLET, ON ALL 208 - 240V UNITS.
FOR USE WITH DETACHABLE CORDSETS SUPPLIED
WITH A STRAIGHT, FEMALE, IEC 60320 C-19 CONNECTOR.

NORTH AMERICA:

15 AMP PLUG
NEMA 5-15P ON 120V, 1,800 WATT UNITS FOR U.S. ONLY.
NEMA 5-15P ON 120V, 1,400 WATT UNITS FOR U.S. AND CANADA.
NEMA 6-15P ON ALL 240V, 1,800 WATT UNITS.
20 AMP PLUG
NEMA 6-20P ON ALL 240V, 3,600 WATT UNITS.
NEMA 5-20P ON 120V, 1,800 WATT UNITS FOR U.S. AND CANADA.



FOR REFERENCE
WIRING DIAGRAM IS SHOWN AS UNIT IS ASSEMBLED
WITH THE BOTTOM PLATE REMOVED. ITEMS ARE IN
GENERAL LOCATION BUT MAY BE RELOCATED OR SCALED
FOR CLARITY.

WIRE DIAGRAM, CG/GR, 10/14, 120V/230/240V, WITH TIMER

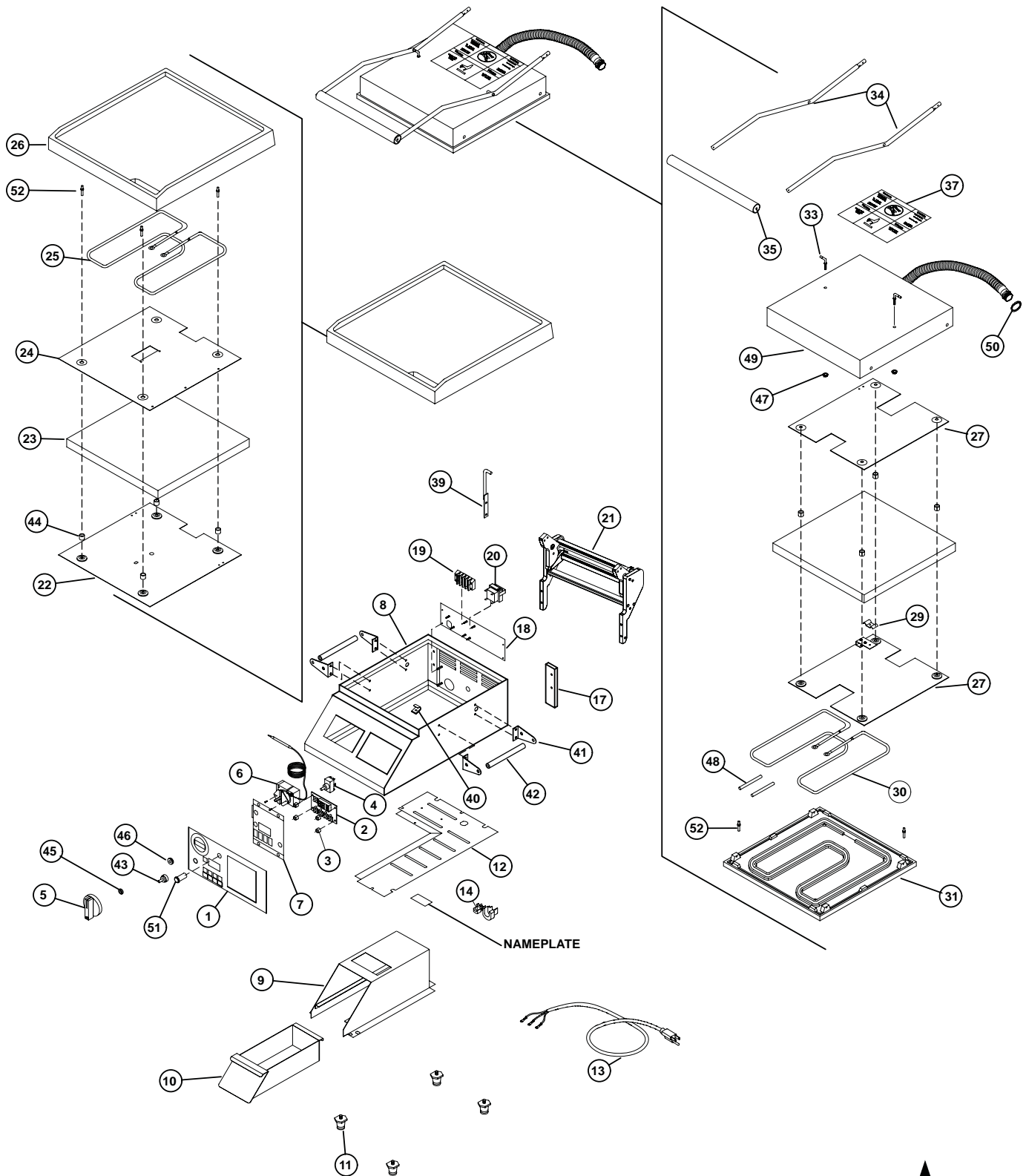
SOME ITEMS ARE INCLUDED FOR
ILLUSTRATIVE PURPOSES ONLY AND IN
CERTAIN INSTANCES MAY NOT BE AVAILABLE



MODEL: SEE ABOVE

STAR MANUFACTURING INTERNATIONAL, INC.

SK2001 REV. C 12/12/2005



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SOME ITEMS ARE INCLUDED FOR ILLUSTRATIVE PURPOSES ONLY AND IN CERTAIN INSTANCES MAY NOT BE AVAILABLE

MODEL: GR10IT4



STAR MANUFACTURING INTERNATIONAL, INC.
SK2082 **REV. A**

PARTS LIST

August 28, 2007, Rev. B

Star Two-Sided Grill
MODEL CG10IT4, GR10IT4-120V

Key Number	Part Number	Number Per Unit	Description
1	2M-Z7667	1	OVERLAY W/TIMER - 10"
2	2J-Z7668	1	TIMER CONTROL
3	2K-Z1971	4	SPACER
4	2E-Z6863	1	SWITCH - 3 POSITION
5	2R-Z4621	1	KNOB - CONTROL
6	2T-6447	1	THERMOSTAT 118V-236V
7	D9-GR0234	1	FACEPLATE ASSEMBLY - 10" WITH TIMER
8	D9-GR0062	1	BODY ASSEMBLY - 10"
9	D9-GR0034	1	GREASE CABINET ASSEMBLY
10	D9-GR0215	1	GREASE DRAWER ASSEMBLY
11	2A-Z1485	4	FOOT - 1" ADJUSTABLE
12	D9-Z2711	1	BASE BOTTOM - 10"
13	2E-Z2935	1	CORD, SJTO 14/3 NEMA 5-15P 120V
	2E-Z4118	1	CORD, POWER 12/3 5-20P 120C
14	2K-Y3240	1	BUSHING HEYCO SR 17-2
17	2A-Z6484	2	PLATE - COUNTER BALANCE MOUNT
18	D9-GR0053	1	REAR LINER ASSEMBLY - 10" BOTTOM
19	2E-Z2894	1	TERMINAL BLOCK
20	2E-05-07-0351	1	TRANSFORMER 115/10V 6VA
21	2R-Z2907	1	COUNTER BALANCE - 10" IRON
22	D9-Z2774	1	BOTTOM INSULATION RETAINING PLATE - 10"
23	D9-Z2908	1	INSULATION - 10"
24	D9-Z2773	1	BOTTOM ELEMENT RETAINING PLATE - 10"
25	2N-Z1979	1	ELEMENT - HEATING 1000W/120V (BOTTOM)
26	2F-Z1933	1	CASTING - SMOOTH BOTTOM - 10" IRON (GR MODEL)
	2F-Z1935	1	MACH-CAST GR BOTTOM 10" IRON (CG MODEL)
27	D9-Z2772	1	TOP ELEMENT - INSULATED PLATE - 10"
28	D9-GR0084	1	TOP RETAINING PLATE ASSEMBLY - 10"
29	B9-04-WB-0046	1	CLAMP WIRE SUPPORT
30	2N-Z1978	1	ELEMENT - HEATING 800W/120V (TOP)
31	2F-Z1932	1	CASTING - SMOOTH TOP - 10" IRON (GR MODEL)
	2F-Z1934	1	MACHINE-CAST GR TOP-IRON 10" (CG MODEL)
33	2C-Z3200	2	PIN - TOP HOUSING
34	2B-Z2988	2	ARM - 10"
35	2V-Z2990	1	HANDLE - 10"
37	2M-Z2620	1	LABEL - CAUTION (BI-LINGUAL)
39	2V-Z3252	1	ROD - TOP HOUSING LATCH
40	2A-Z3026	1	HALF CLIP .437
41	D9-Z3071	4	BRACKET - HANDLE
42	2V-Z3072	2	HANDLE - SIDE
43	2I-05-07-0013	1	BOOT - SWITCH
44	2A-Z6604	8	SPACER - INSULATION PLATE
45	2I-Z3380	2	THERMOSTAT SEAL WASHER
46	2I-Z3379	1	GROMMET - THERMOSTAT
47	2C-Z2899	2	5/16-18 UNC LOCKNUT
48	1O-E1500	0.33	SLEEVING #4 .208ID GLASS
49	D9-GR0203	1	TOP HOUSING AND CONDUIT ASSEMBLY
50	2E-Z3768	1	LOCKNUT, CONDUIT, 1/2 INCH
51	2J-Y6689	1	PILOT LIGHT 120V
52	2C-08-07-0285	8	STUD, SELF TAPPING

**IMPORTANT: WHEN ORDERING, SPECIFY VOLTAGE OR TYPE GAS DESIRED
INCLUDE MODEL AND SERIAL NUMBER**

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OF 1

Some items are included for illustrative purposes only and in certain instances may not be available.



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