

STAR MANUFACTURING COMPANY
Division of Hercules Galion Products, Inc.
9325 Olive Street Bld. -- St. Louis 32, Mo.

STAR-MASTER ELECTRIC GRIDDLES - MODELS #152R & #153R

INSTALLATION AND OPERATING INSTRUCTIONS

INSTALLATION:

STAR-MASTER Electric Griddles are equipped for the voltage specified on the nameplate:
Total connected load: Model #152R 24" Griddle - 4000 watts, single phase, A.C.
Model #153R 36" Griddle - 6000 watts, single phase, A.C.
DO NOT CONNECT TO DIRECT CURRENT (D.C.)

Proper connections and power supply are essential for efficient performance. For your protection we recommend that a qualified electrician install your griddle. He should be familiar with electrical installations, and your local electrical requirements.

The external wiring should be in conduit, and must meet local electrical codes. All wires must be heavy enough to carry the load, and must be spliced or joined so as to be electrically and mechanically secure. Splices or connections must be covered with insulation equal to that of the wire. AVOID LOOSE CONNECTIONS.

Connect to a properly fused circuit equipped with suitable disconnecting means, as required by local authorities.

THE BODY OF THE GRIDDLE SHOULD BE GROUNDED. (Do not ground to a gas supply pipe.)

LEVEL THE GRIDDLE PLATE BY ADJUSTING THE FOOT GLIDES.

NOTE: CLEAN GRIDDLE PLATE THOROUGHLY TO REMOVE PROTECTIVE FACTORY COATING.

OPERATING INSTRUCTIONS:

1. SEASON THE GRIDDLE PLATE:

A new griddle requires seasoning to prevent food from sticking. After heating the griddle to about 350°, spread a thin film of cooking fat over the surface with a clean cloth. Permit this fat to remain on the griddle for about 30 minutes, and wipe clean. Apply a second film of fat over the griddle surface for another 30 minutes, and again wipe clean. The griddle should now be well seasoned and ready for use.

2. TEMPERATURE CONTROL:

STAR-MASTER Model #152R 24" Griddle is equipped with a thermostat to control the temperature of the griddle plate. The Model #153R 36" Griddle is equipped with two(2) thermostats (one for each half of the griddle), which may be set at different temperatures, according to your cooking requirements. THE THERMOSTAT DIALS SHOULD BE SET AT THE "OFF" POSITION WHEN THE GRIDDLE IS NOT IN USE.

3. SIGNAL LIGHTS:

Each thermostat has its own signal light which indicates when the thermostat is providing heat. When the temperature is reached the light goes off.

4. COOKING:

Set the thermostat dial knob at the temperature desired. After a short pre-heating period, the thermostat will automatically maintain the selected temperature.

5. IDLING:

During idle periods, lower the temperature setting of the thermostats to about 250°. It is not necessary to maintain cooking temperature during idle periods, as the griddle can quickly be reheated to desired temperature.

6. GRIDDLE CARE:

STAR-MASTER Griddles are equipped with a heavy steel griddle plate. With a little effort each day, it can be kept clean and performing at top efficiency. The following procedure is recommended:

- (a) After each use, scrape the griddle plate with a spatula to remove excess fat and food particles. A waste drawer is provided to receive the scrapings.
- (b) At least weekly the accumulation of burnt-on fat should be cleaned off the griddle plate with pumice or a griddle stone, while the griddle is warm. DO NOT USE STEEL WOOL FOR CLEANING.

CAUTION: WHEN USING A GRIDDLE STONE CONFINE POLISHING TO THE FLAT SURFACE, DO NOT CUT INTO THE RAISED EDGES OF THE GRIDDLE.

- (c) Daily cleaning of the stainless steel body is recommended. Use a damp cloth and a good non-abrasive cleaner.
- (d) Thoroughly clean the drain slot in the left rear corner of the griddle plate, and empty and clean the waste-grease drawer whenever necessary.

WHEN SERVICING, OR MAKING REPAIRS, BE SURE TO DISCONNECT THE ELECTRICAL CONNECTION: TO REPLACE ELEMENTS:

1. Remove the four (4) screws which fasten the griddle plate to the body of the unit.
2. Raise and block up the front edge of the griddle top so that the under surface is accessible. This should be done very carefully so as not to injure the diastat tube (s) on the thermostat (s). Remove the leads from the element terminals.
3. Remove the nuts that hold the thermostat bulb clamp in position (two per thermostat). Carefully remove the clamp (s) and the thermostat bulb (s) from the recess. The griddle top is now free to be moved to a more convenient location for replacing the element.
4. Remove the remaining four (4) nuts that hold the element cover in place and remove the element cover.
5. Remove the insulation
6. Remove the nuts and the element clamps from the inoperative element.
7. Replace the inoperative element and reassemble in reverse order to the previous steps.

NOTE: It is imperative that a small amount of the special anti-seize compound (available from our plant - part number #6558) be placed on each stud before adding the clamps and nuts. This will prevent the nuts from "freezing" to the studs.

8. The aluminum plate should be under the element and thermostat bulb.
9. We cannot over-stress the importance in handling the diastat tube for the thermostat with extreme caution. A kink or rupture in this tube will cause the thermostat to stay on and over-heat the griddle. Care should be taken in replacing the wires to their respective terminals. Consult the wiring diagram to check your connections before connecting the griddle to a power source.

THERMOSTAT RECALIBRATION:

1. Pull knob forward and remove from shaft.
2. Turn screw in center of shaft clockwise to decrease temperature or counter-clockwise to increase temperature.
NOTE: 1/4 turn of this screw will result in a change of approximately 30°F.
3. Replace knob.

TO REPLACE THERMOSTAT:

1. Remove the thermostat dial knob by pulling forward,
2. Remove the four(4) screws which fasten the griddle plate to the body of the unit.
Raise the griddle top with care so as not to kink the diastat tube on the thermostat. Block up front of griddle top so that the under surface is accessible.
3. Remove the nuts that hold bulb clamp in position (two per thermostat). Carefully remove the clamp and thermostat bulb from the recess. Griddle top may be removed when thermostat bulb(s) are freed.
4. Remove the two screws that mount the thermostat to its respective bracket. These screws are accessible after removing the knob.
5. Push the body of the thermostat toward the inside of the unit so that the terminals may be disconnected.
6. Replace the thermostat with an exact replacement and reverse the previous procedure for its installation. (See note on anti-seize compound under element replacement) Care should be taken that the correct lead is connected to the proper terminal. Consult the wiring diagram before returning the unit to service.
7. When replacing the thermostat bulb and its clamp in the proper position on the underside of the griddle plate, care should be taken to see that the diastat tube is not injured in the process.

W A R R A N T Y

RETURN YOUR WARRANTY CARD IMMEDIATELY TO PROTECT THE WARRANTY

All workmanship and materials in STAR products are fully warranted for a period of one year from the date they are placed in service. Should any imperfection develop within this period, we will make all necessary part replacements or repairs free of charge, provided;

1. That the warranty card has been properly filled out and returned to the STAR Manufacturing Company at the time the equipment was put into service.
2. That either the entire piece of equipment or any part which fails is returned to the Company for inspection, transportation charges prepaid.
3. That the failure of the equipment or part is not due to misuse, damage, abuse or improper installation.

NOTE: Any expense in connection with installation, or costs of making adjustments on this appliance to conform to electric service at point of installation, are not covered by this warranty.

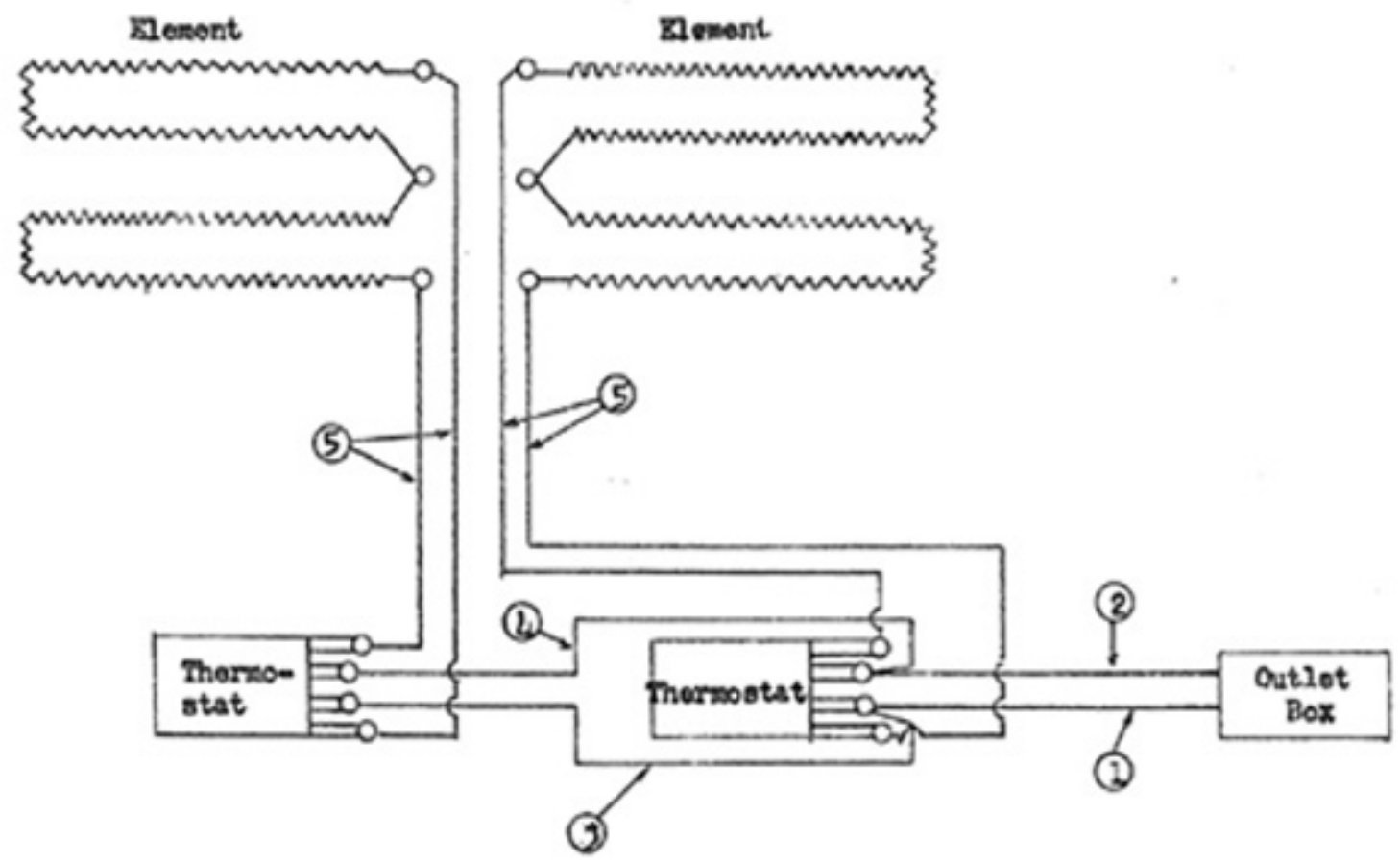
THOROUGHLY INSPECT YOUR MACHINE UPON ARRIVAL:

We do everything in our power to insure delivery of your griddle in perfect condition. However, there are instances in which the unit may be damaged in transit. In the event your griddle is damaged in transit, have the transportation company make the necessary notations on your freight bill or delivery receipt. Immediately report this damage to the dealer from whom you purchased the griddle. The dealer will advise proper handling instructions. If damage is not discovered until after delivery has been made, notify the transportation company immediately to make an inspection report covering whatever damage has occurred in transit.

FOR ANY ASSISTANCE WRITE THE STAR MANUFACTURING COMPANY'S SERVICE DEPARTMENT. Should you need any assistance regarding the operation or maintenance of any STAR equipment, write to your Service Department. In all correspondence, mention the model number and serial number of your machine, and the voltage you are using.

STAR MANUFACTURING COMPANY, DIVISION OF HERCULES GALION PRODUCTS
9325 Clive Street Rd. -- St. Louis 32, Mo.

MODEL No.	
153	
TITLE ELC. GRIDDLE 36" WINING DIAGRAM	
MATERIAL	
FINISH	
OWN	DATE
J.R.R.	6-16-55
STAR MANUFACTURING CO. 6300 St. Louis Ave. - St. Louis Mo.	



PARTS PRICE LIST

EFFECTIVE - ~~December 2, 1968~~
~~SEPTEMBER 15, 1973~~

MODEL #152R
 STAR-MASTER 24" ELECTRIC GRIDDLE
 SERIAL #1522601 AND UP

~~SEPTEMBER 15, 1973~~
 June 80

PART NUMBER	DESCRIPTION	NUMBER PER UNIT	PRICE (1) EACH
6949	ELEMENT 236V <i>N/A</i>	1	19.00 <i>31.35</i>
6950	ELEMENT 208V	1	19.00 <i>20.90</i>
6546	THERMOSTAT BULB CLAMP <i>N/A (156012 IS Replacement)</i>	1	.80 <i>2.10</i>
6545	THERMOSTAT BULB CLIP <i>N/A</i>	1	.50 <i>.55</i>
6531 Y2313	THERMOSTAT	1	16.00 <i>29.75</i>
6925	THERMOSTAT KNOB	1	1.60 <i>2.05</i>
6928	DRAIN DRAWER CHUTE <i>N/A</i>	1	4.40 <i>4.85</i>
4391	DRAIN DRAWER HANDLE	1	.60 <i>.90</i>
3514	TERMINAL BOX COVER <i>N/A</i>	1	1.00 <i>1.10</i>
05024	FOOT STAMPING	4	.70 <i>.80</i>
3421	LEVELING GLIDE	4	.40 <i>.45</i>
<i>152106</i>	<i>Wire Assy. + Pilot Light Pilot Light To Element (1-15" #12 STR. BLACK)</i>	<i>1</i>	2.90 <i>3.85</i>
<i>152107</i>	<i>Wire Assy. Thermostat To Junction Box (1-21" #12 STR. BLACK)</i>	<i>1</i>	1.75 <i>2.50</i>
<i>158011</i>	<i>Wire Assy. Thermostat To Element (1-21" #12 STR. BLACK)</i>	<i>1</i>	1.65 <i>2.50</i>

(1) MINIMUM PARTS ORDER - \$3.00

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

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STAR MANUFACTURING COMPANY

DIVISION OF HERCULES GALION PRODUCTS INC.

2225 OLIVE BLVD. - ST. LOUIS, MISSOURI 63122



PARTS PRICE LIST

EFFECTIVE - ~~December 2, 1968~~
~~SEPTEMBER 15, 1973~~

~~SPRINT~~ ~~1977~~
~~SEP~~

MODEL #152
 STAR-MASTER 24" ELECTRIC GRIDDLE
 UP TO SERIAL #1522601

JUNE 80

PART NUMBER	DESCRIPTION	NUMBER PER UNIT	PRICE (1) EACH
152002	ELEMENT ASSEMBLY 236V <i>NIA</i>	2	26.00 28.60
152018	ELEMENT ASSEMBLY 208V <i>NIA</i>	2	26.00 28.60
4800	ELEMENT COIL 208V (<i>NIA 2-1-80 use 236V</i>)	4	3.50 <i>12.00</i> 3.85
4801	ELEMENT COIL 236V	4	3.50 <i>12.00</i> 3.85
95067	ELEMENT TERMINAL	6	.50 <i>2.50</i> .90
4778	THERMO-BULB CLAMP <i>NIA</i>	1	.60 .65
5637	THERMOSTAT KNOB <i>NIA</i>	1	1.60 1.75
5626	THERMOSTAT W/KNOB <i>NIA</i>	1	10.00 <i>29.75</i> 20.70
152011	DRAIN DRAWER ASSEMBLY <i>NIA</i>	1	12.00 13.20
4391	DRAIN DRAWER HANDLE	1	.60 .90 .65
4783	DRAIN DRAWER CHUTE <i>NIA</i>	1	4.40 4.85
153012	DRAIN DRAWER BAFFLE <i>NIA</i>	1	2.00 2.20
3514	TERMINAL BOX COVER <i>NIA</i>	1	1.00 1.10
05024	FOOT STAMPING	4	.70 <i>1.50</i> .80
3421	LEVELING GLIDE <i>NIA send 115006 w/7612</i>	4	.40 <i>3.00</i> .45
4796	Element Insulation	2	2.30
5498	Element Cover	1	5.30
4759	Thermostat BRACKET	1	1.00
4743	Right Body PANEL	1	13.20
4744	Left Body PANEL	1	13.20
4779	REAR Body PANEL <i>NIA</i>	1	9.65
4756	FRONT COWL	1	10.55
4755	Bottom	1	5.25
4757	Control PANEL	1	2.40
3487	TERMINAL Box	1	1.55
1739	Element STUDS		.10
	(Wire Sets)		
152015	Element Lead WIRE Set (2-20" #12 Nickel STR.)	1	5.00
152016	Supply Lead WIRE Set (2-16" #10 Copper STR.)	1	5.00
152017	Element Jumper WIRE Set (2-3" #12 Nickel STR.)	1	2.00

(1) MINIMUM PARTS ORDER - \$3.00

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STAR MANUFACTURING COMPANY

DIVISION OF HERCULES GALION PRODUCTS INC.

9325 OLIVE BLVD., ST. LOUIS, MISSOURI 63132



PARTS PRICE LIST

EFFECTIVE -

 December 2,
 - SEPTEMBER 15,

 MODEL #153
 STAR-MASTER 36" ELECTRIC GRIDDLE

Jun

PART NUMBER	DESCRIPTION	NUMBER PER UNIT
153002	COMPLETE ELEMENT 236V <i>N/A</i>	2
153018	COMPLETE ELEMENT 208V <i>N/A</i>	2
4791	ELEMENT COIL 208V <i>N/A</i> (Send 4792)	4
4792	ELEMENT COIL 236V	4
95067	ELEMENT TERMINAL	6
4778	THERMO-BULB CLAMP <i>N/A</i>	2
5626	THERMOSTAT W/KNOB	2
5637	THERMOSTAT KNOB <i>N/A</i>	2
152011	DRAIN DRAWER ASSEMBLY <i>N/A</i>	1
4391	DRAIN DRAWER HANDLE	1
4783	DRAIN DRAWER CHUTE <i>N/A</i>	1
153012	BAFFLE FOR DRAIN DRAWER <i>N/A</i>	1
3514	TERMINAL BOX COVER <i>N/A</i>	1
05024	FOOT STAMPING	4
3421	LEVELING GLIDE	4
1248	<i>INSULATORS</i>	
153009	<i>Element Lead Wire Set (4-20" #12 Nickel STR)</i>	1
153010	<i>Supply Lead Wire Set (2-18" #10 Copper STR)</i>	1
153011	<i>Thermostat Jumper Wire Set (2-19" #12 Copper STR)</i>	1

(1) MINIMUM PARTS ORDER - \$3.00

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 OF

STAR MANUFACTURING COMPANY

DIVISION OF HERCULES GALION PRODUCTS INC.

1000 BIRCH BLVD. ST. LOUIS, MISSOURI 63129



PARTS PRICE LIST

EFFECTIVE -

 Decemb
 SEPTEN

 MODEL #153
 STAR-MASTER 36" ELECTRIC GRIDDLE

PART NUMBER	DESCRIPTION	NUM PE UN
153001	Griddle Assy. N/A	1
153002	COMPLETE ELEMENT 236V N/A	2
153018	COMPLETE ELEMENT 208V N/A	2
4791	ELEMENT COIL 208V N/A	4
4792	ELEMENT COIL 236V	4
95067	ELEMENT TERMINAL	6
4778	THERMO-BULB CLAMP N/A	2
5626	THERMOSTAT W/KNOB N/A	2
5637	THERMOSTAT KNOB N/A	2
152011	DRAIN DRAWER ASSEMBLY N/A	1
4391	DRAIN DRAWER HANDLE	1
4783	DRAIN DRAWER CHUTE N/A	1
153012	BAFFLE FOR DRAIN DRAWER N/A	1
3514	TERMINAL BOX COVER N/A	1
95024	FOOT STAMPING	4
3421	LEVELING GLIDE N/A	4
4784	Element INSULATIONS N/A	2
4743	Right Body Panel	1
4744	Left Body Panel	1
4742	Rear Body Panel	1
4741	FRONT CowL	1
4747	Bottom	1
4758	CONTROL PANEL	1
3487	TERMINAL BOX	1
1248	INSULATOR	1
153009	Element Lead WIRE set (4-20" #12 Mckel STR.)	1
153010	Supply Lead WIRE set (2-18" #10 Copper STR.)	1
153011	Thermostat Jumper Wire Set (2-19" #12 Copper STR.)	1
4794	TRIM, REAR (sPLASH GUARD) N/A	2

(1) MINIMUM PARTS ORDER - \$3.00

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STAR MANUFACTURING COMPANY

DIVISION OF HERCULES GALION PRODUCTS INC.

1000 OLIVE BLVD. - ST. LOUIS, MISSOURI 63132

