

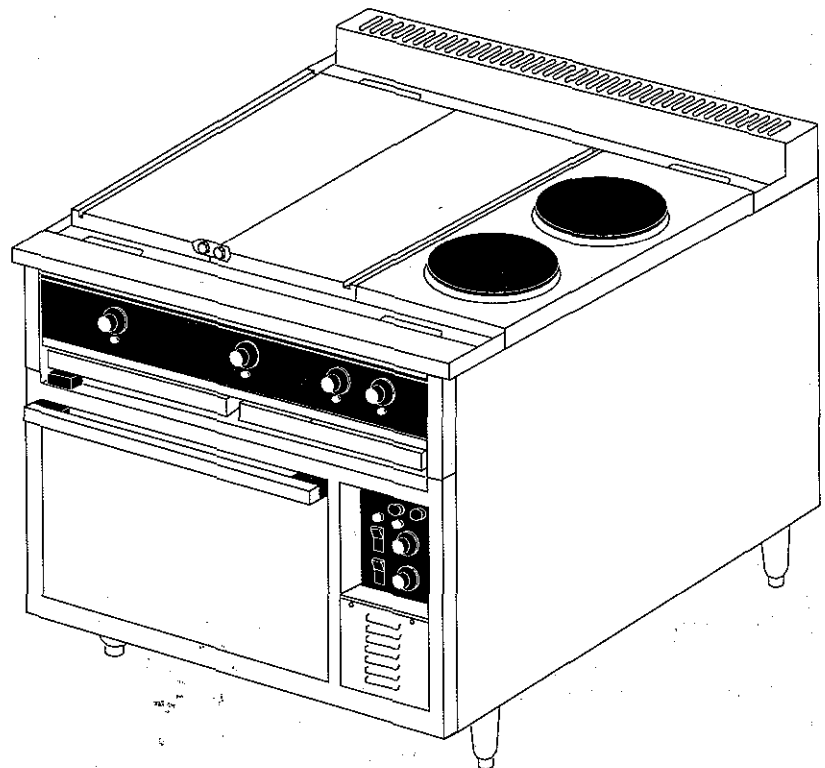
Toastmaster®

Oven Range

Models

RH36, MH36 & CO36

OWNER'S OPERATING & INSTALLATION MANUAL



Toastmaster®

A Middleby Company

1400 Toastmaster Drive • Elgin, IL 60120 • (847)741-3300 • FAX (847)741-4406

Part No. 34286

Price \$15.00

9/96

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SECTION 1

DESCRIPTION

I. Description

Toastmaster Models RH36 and MH36 electric oven ranges are rated heavy duty for commercial use. The oven range consists of a range top fastened to an oven base. The only difference between the Models MH36 and RH36 is that the MH36 has features which qualify it for shipboard usage. The marine features are an oven door latch, grease tray latch, bolt-down legs, range top adjustable sea rails and a grab bar across the front.

A. OVEN BASE

The oven base can be either a deck oven or a convection oven.

1. Deck Oven ("D" in Model #, example RH36D1)

The deck oven base has an aluminized steel inner lining, removable deck of rigidized steel, vent with damper and fully gasketed landing shelf type stainless steel lined door. The oven is insulated on all sides and is equipped with one slide-in rack. Heating is accomplished with top and bottom formed tubular heating elements which are each controlled by a 3-heat (low, medium and high) switch. The deck oven has a thermostatic control with a temperature range of 200°F to 550°F (93°C to 287°C). The oven will preheat to 450°F (232°C) in 20 minutes.

2. Convection Oven ("C" in Model #, example RH36C1)

The convection oven has removable stainless steel oven liners, vent with damper and fully gasketed landing shelf type stainless steel lined door. The oven is insulated on all sides. Removable rack supports can accommodate six racks. The heating element is enclosed in the side of the oven cavity and encircles the oven blower fan. The convection oven has a thermostatic control with a temperature range of 150°F to 450°F (65°C to 232°C). The oven will preheat to 450°F (232°C) in 15 minutes.

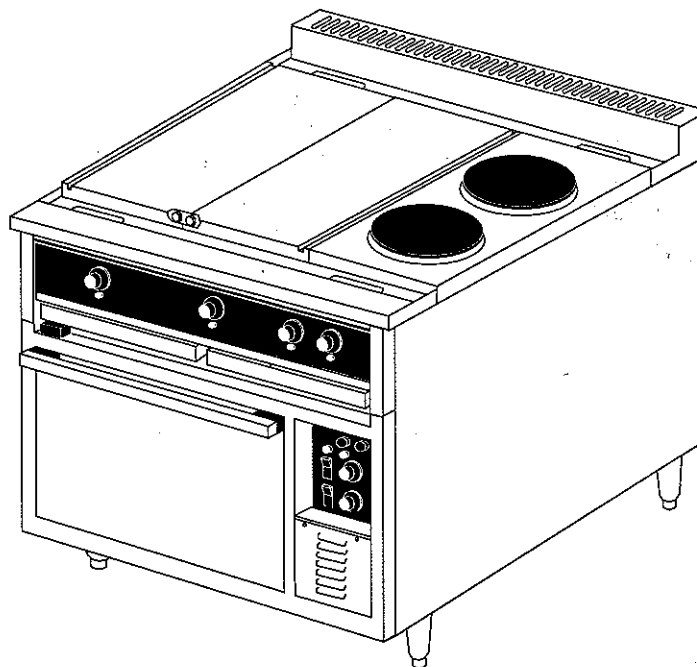


Figure 1-1

SECTION 1 - DESCRIPTION

B. RANGE

The range can consist of up to 3 different components and the components can be configured in six ways. Troughs with drip chutes are located at the front and rear for drainage into two wide drawer type receptacles.

1. Range Components Descriptions

- a. **Griddle** for griddling. The griddle can be either 24" x 24" or 24" x 36". The griddles are controlled by thermostats. The 24" x 24" griddle has a thermostat control for each of two 12" x 24" zones and the 24" x 36" griddle has a thermostat control for each of four 9" x 24" zones. The griddles zones have a temperature range of 150°F to 450°F (65°C to 232°C) and will preheat to 400°F (204°C) in 12 minutes.

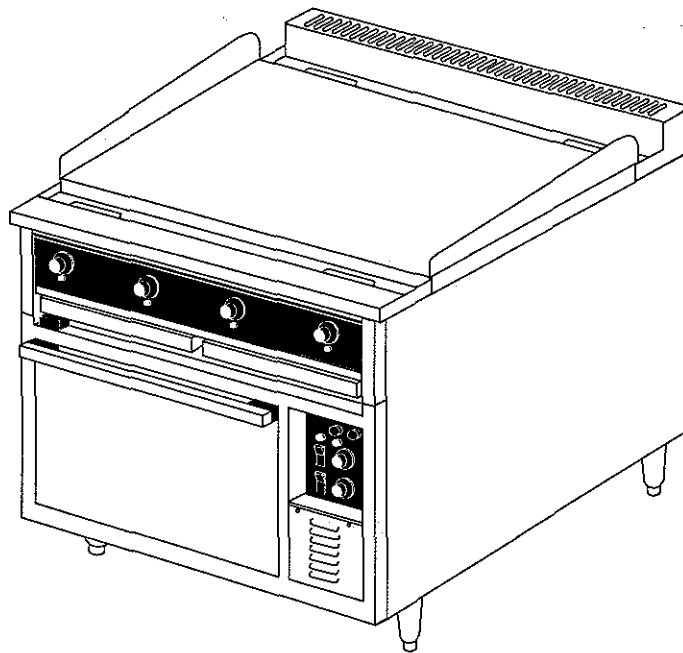


Figure 1-2
Griddle

- b. 12" x 24" **Hot Plate** for stock pot cooking (Not recommended for griddling). The hot plates are thermostatically controlled and have a temperature range of 250°F to 850°F (121°C to 454°C) and will preheat to 400°F (204°C) in 12 minutes.

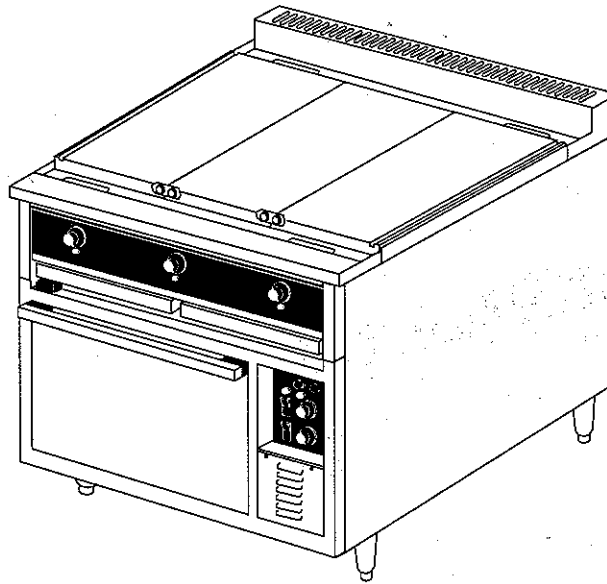


Figure 1-3
Hot Plate

- c. **Round Hot Plate** for stock pot cooking. The twin hot plates have a 9" diameter and are controlled by 3-heat (low, medium and high) switches.

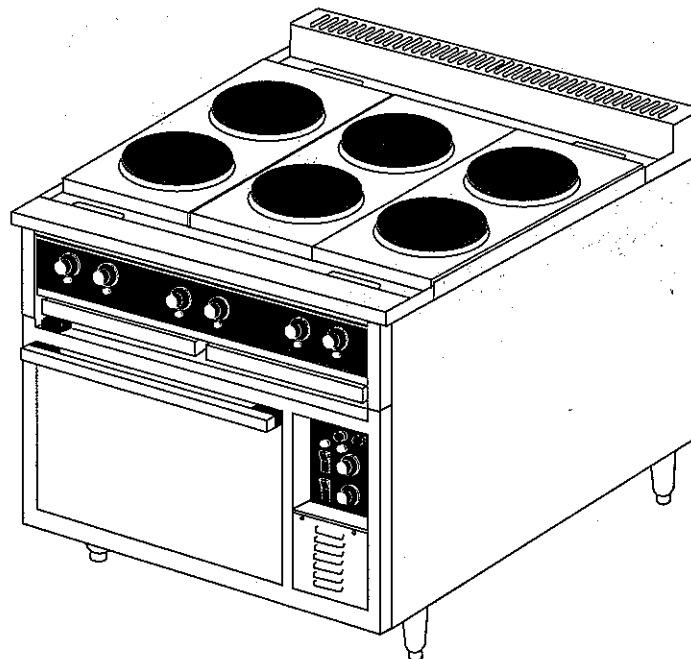


Figure 1-4
Round Hot Plate

SECTION 1 - DESCRIPTION

2. Range Top Configurations

- a. **All Purpose Top RH36C1, RH36D1.** The all purpose top consists of three 12" x 24" hot plates. The all purpose top is **not** recommended for griddling.

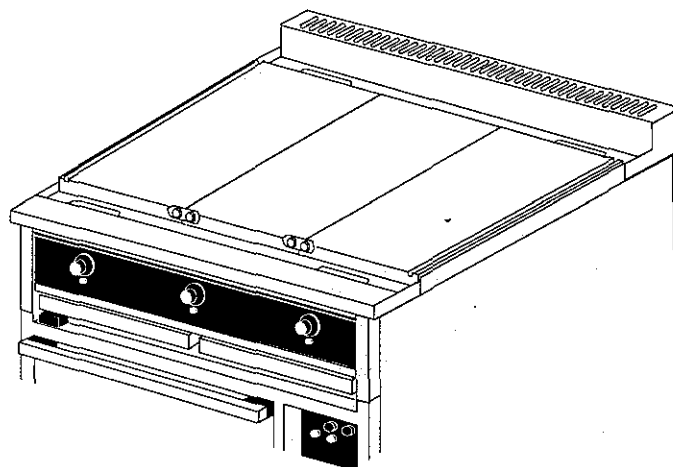


Figure 1-5
All Purpose Top

- b. **Multi-Purpose Top RH36C2, RH36D2.** The multi-purpose top consists of two 12" x 24" hot plates and two 9" round hot plates. The multi-purpose top is **not** recommended for griddling.

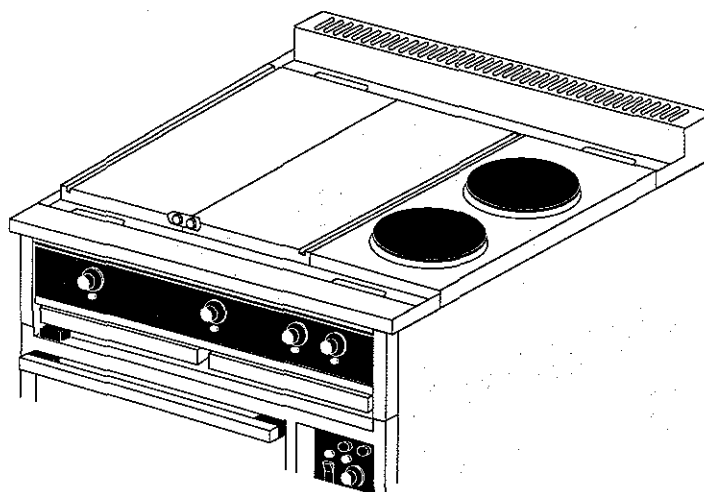


Figure 1-6
Multi-Purpose Top

- c. **Griddle Top RH36C3, RH36D3.** The griddle top consists of one 36" x 24" griddle plate.

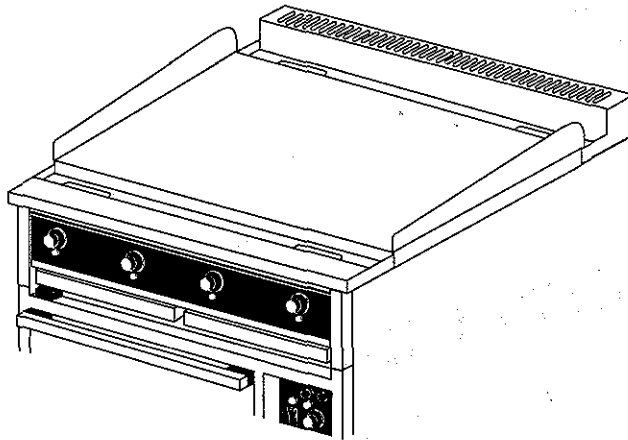


Figure 1-7
Griddle Top

- d. **Round Hot Plate Top RH36C4, RH36D4.** The round hot plate top consists of six 9" hot plates.

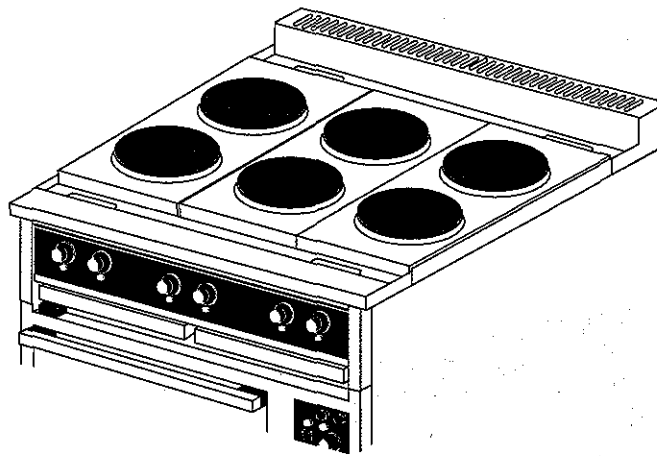


Figure 1-8
Round Hot Plate

SECTION 1 - DESCRIPTION

- e. **Griddle/Round Hot Plate Top RH36C6, RH36D6.** The griddle/round hot plate top consists of one 24" x 24" griddle and two 9" round hot plates.

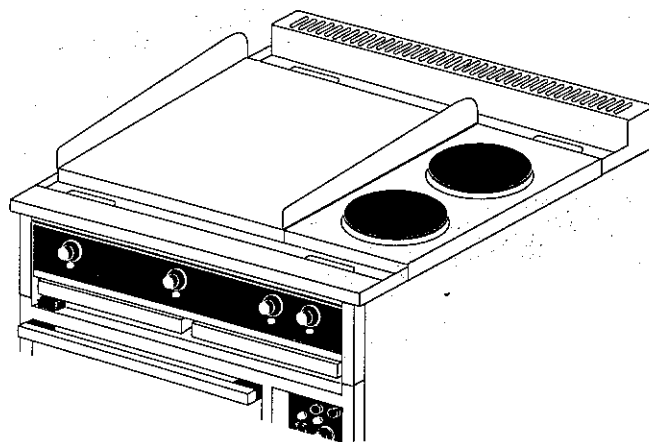


Figure 1-9
Griddle/Round Hot Plate

- f. **Griddle/12" x 24" Hot Plate Top RH36C7, RH36D7.** The griddle/12" x 24" hot plate top consists of one 24" x 24" griddle and one 12" x 24" hot plate.

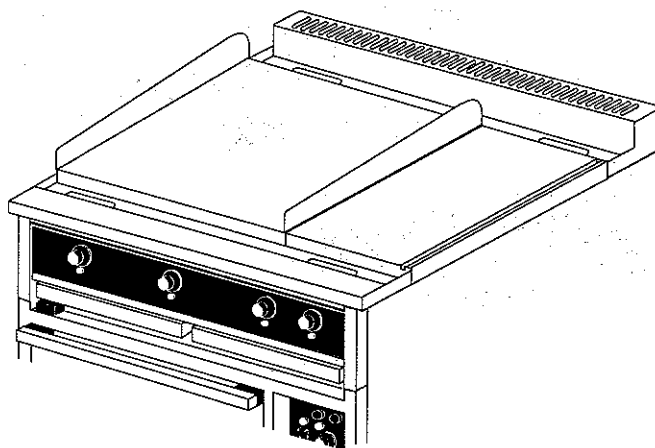


Figure 1-10
Griddle/Hot Plate

C. SPECIFICATIONS**OVEN RANGE MODELS****RH36****MH36****Overall Dimensions:**

Width	36"(91.5 cm)	36"(91.5 cm)
Depth	38-3/4"(98.4 cm)	40"(101.6 cm)
Height	38-1/4"(97 cm)	38-1/4"(97 cm)

Net Weight

Model RH36C1 & MH36C1	569 lb (258 kg)	569 lb (258 kg)
Model RH36C2 & MH36C2	515 lb (234 kg)	515 lb (234 kg)
Model RH36C3 & MH36C3	588 lb (267 kg)	588 lb (267 kg)
Model RH36C4 & MH36C4	455 lb (207 kg)	455 lb (207 kg)
Model RH36C6 & MH36C6	515 lb (234 kg)	515 lb (234 kg)
Model RH36C7 & MH36C7	545 lb (247 kg)	545 lb (247 kg)
Model RH36D1 & MH36D1	569 lb (258 kg)	569 lb (258 kg)
Model RH36D2 & MH36D2	515 lb (234 kg)	515 lb (234 kg)
Model RH36D3 & MH36D3	588 lb (267 kg)	588 lb (267 kg)
Model RH36D4 & MH36D4	497 lb (226 kg)	497 lb (226 kg)
Model RH36D6 & MH36D6	515 lb (234 kg)	515 lb (234 kg)
Model RH36D7 & MH36D7	545 lb (247 kg)	545 lb (247 kg)

Shipping Weight

Model RH36C1 & MH36C1	610 lb (277 kg)	610 lb (277 kg)
Model RH36C2 & MH36C2	570 lb (259 kg)	570 lb (259 kg)
Model RH36C3 & MH36C3	610 lb (277 kg)	610 lb (277 kg)
Model RH36C4 & MH36C4	485 lb (220 kg)	485 lb (220 kg)
Model RH36C6 & MH36C6	570 lb (259 kg)	570 lb (259 kg)
Model RH36C7 & MH36C7	545 lb (247 kg)	545 lb (247 kg)
Model RH36D1 & MH36D1	569 lb (258 kg)	569 lb (258 kg)
Model RH36D2 & MH36D2	515 lb (234 kg)	515 lb (234 kg)
Model RH36D3 & MH36D3	588 lb (267 kg)	588 lb (267 kg)
Model RH36D4 & MH36D4	497 lb (226 kg)	497 lb (226 kg)
Model RH36D6 & MH36D6	515 lb (234 kg)	515 lb (234 kg)
Model RH36D7 & MH36D7	545 lb (247 kg)	545 lb (247 kg)

Construction

-----Welded Angle Iron-----

Finish:

-----Stainless Steel Front Sides and Top-----

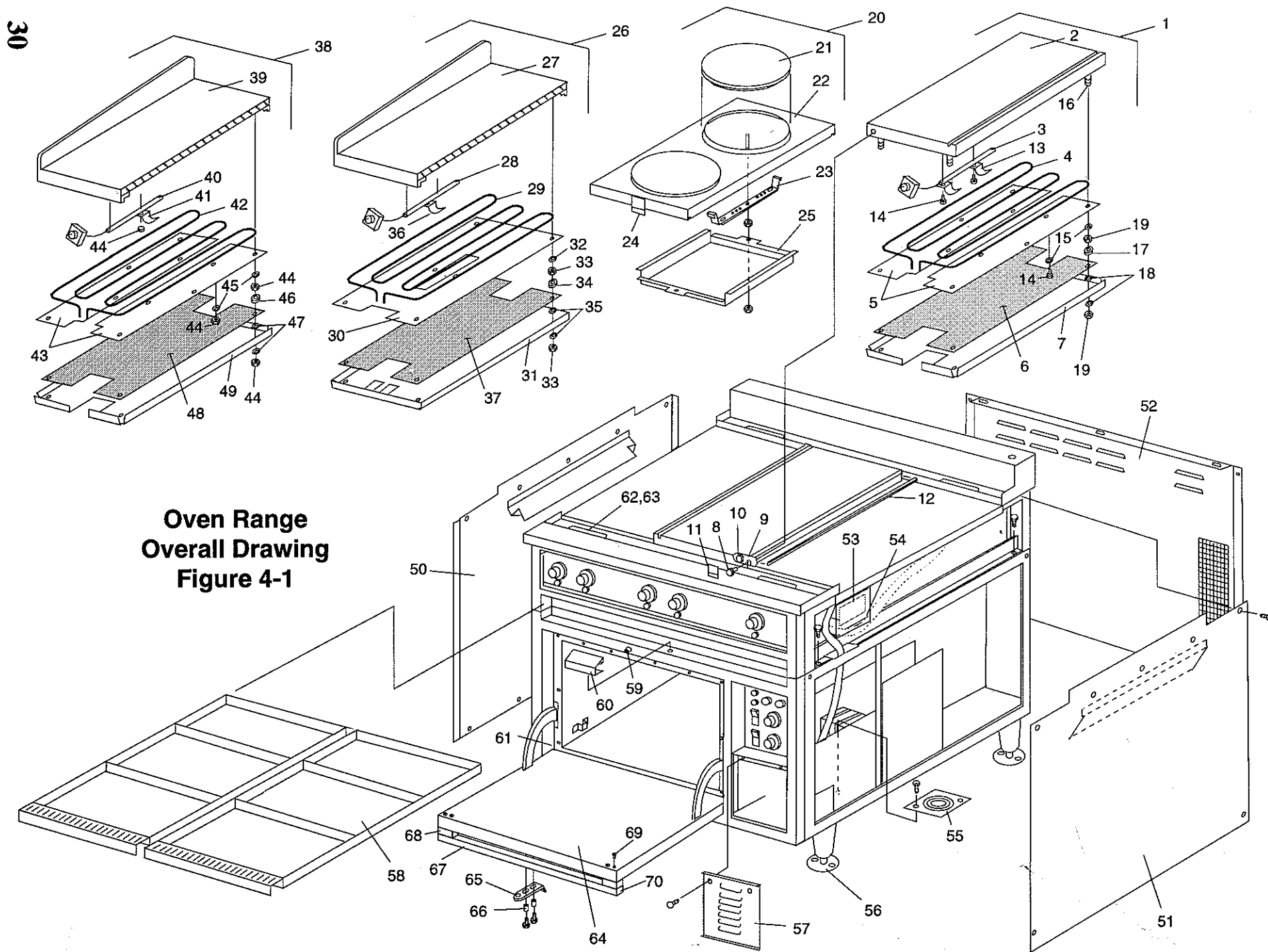
-----Aluminized Steel Back-----

Electrical Specifications

Refer to Section 5

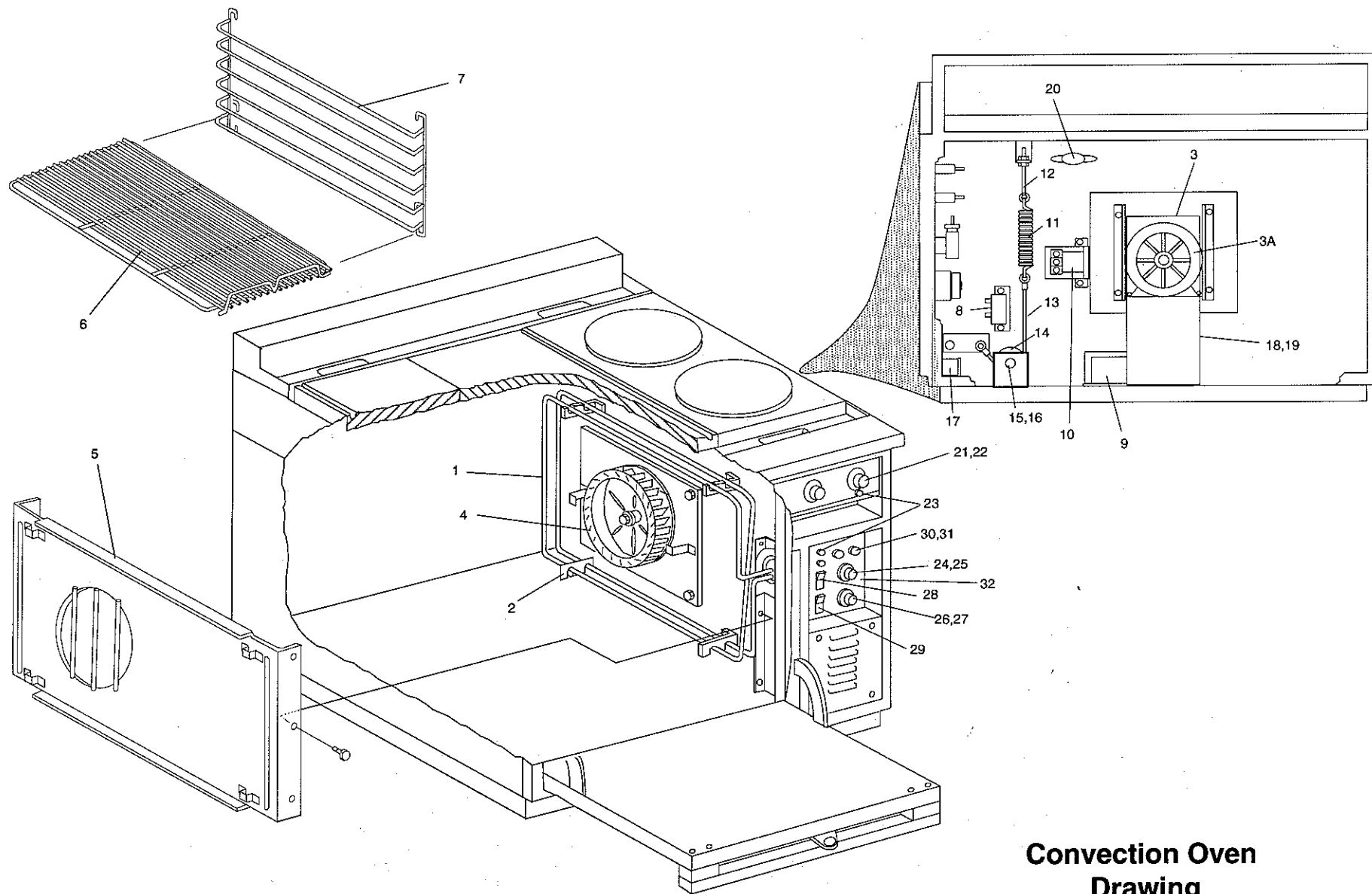
NOTICE

Toastmaster (Manufacturer) 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.



Oven Range Overall Parts List

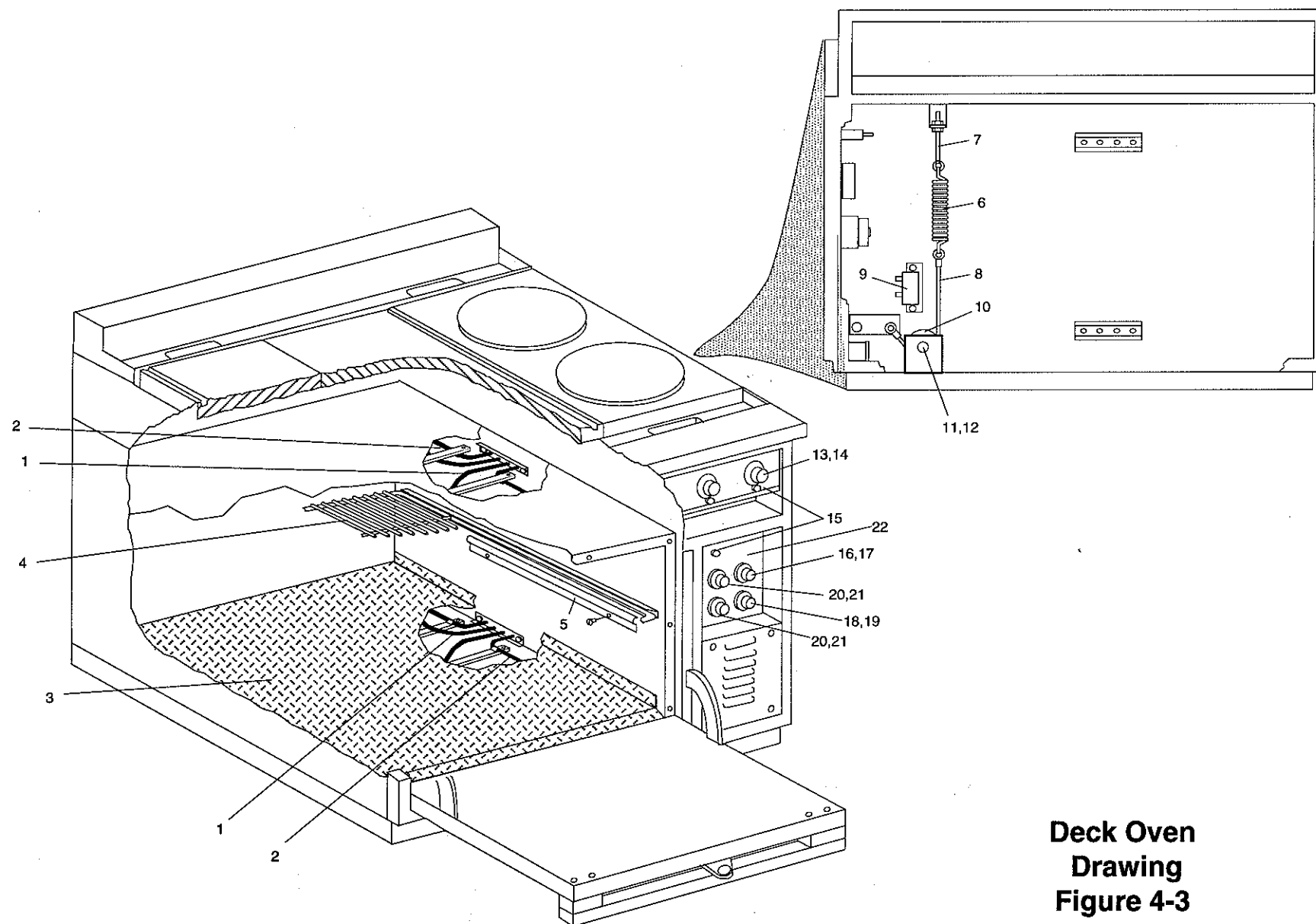
ITEM NO	QTY	PART NO.	DESCRIPTION	ITEM NO	QTY	PART NO.	DESCRIPTION
1	1	7600083	12 x 24 PLATE COMPLETE - RIGHT DRAIN 208V	29	4	7D1E1	ELEMENT 208V
1	1	7600084	12 x 24 PLATE COMPLETE - RIGHT DRAIN 240V	29	4	7D1E29	ELEMENT 240V
1	1	7600086	12 x 24 PLATE COMPLETE - RIGHT DRAIN 480V	29	4	7D1E28	ELEMENT 480V
1	1	7600087	12 x 24 PLATE COMPLETE - LEFT DRAIN 208V	30	4	20G1A37	ELEMENT CLAMP PLATE
1	1	7600088	12 x 24 PLATE COMPLETE - LEFT DRAIN 240V	31	4	20G1A38	ELEMENT BAFFLE
1	1	7600090	12 x 24 PLATE COMPLETE - LEFT DRAIN 480V	32	24	F706A8809	WASHER 11/32 x 1-1/4
1	1	7600074	12 x 24 PLATE COMPLETE - CENTER 208V	33	48	F706A8807	HEX NUT, BRASS 1/4-20
1	1	7600075	12 x 24 PLATE COMPLETE - CENTER 240V	34	24	F706A8811	SPACER
1	1	7600077	12 x 24 PLATE COMPLETE - RIGHT DRAIN 480V	35	28	F706A8805	WASHER 1/4"
1	1	7601872	12 x 24 PLATE COMPLETE - DRAIN BOTH SIDES 208V (USED ON MODELS RH36C7 AND RH36D7)	36	4	7002270	THERMOSTAT BULB CLAMP
1	1	7601873	12 x 24 PLATE COMPLETE - DRAIN BOTH SIDES 240V (USED ON MODELS RH36C7 AND RH36D7)	37	4	8500079	INSULATION
1	1	7601875	12 x 24 PLATE COMPLETE - DRAIN BOTH SIDES 480V (USED ON MODELS RH36C7 AND RH36D7)	38	1	7603538	24 X 24 GRIDDLE PLATE COMPLETE 208V
2	1	20XA1G1	12 x 24 PLATE ONLY DRAIN BOTH SIDES	38	1	7603539	24 X 24 GRIDDLE PLATE COMPLETE 240V
2	2	20A2G8	12 x 24 PLATE ONLY RIGHT OR LEFT	38	1	7603541	24 X 24 GRIDDLE PLATE COMPLETE 480V
2	1	20A2G9	12 x 24 PLATE ONLY CENTER	39	1	7603536	24 X 24 GRIDDLE ONLY
3	3	3004281	THERMOSTAT	40	2	3004257	THERMOSTAT
3	3	2100094	THERMOSTAT KNOB 250°F (121°C)- 850°F (454°C)	41	2	2100059	THERMOSTAT KNOB 150°F (66°C)-450°F (232°C)
4	3	F706A8703	ELEMENT 208V	41	4	F706A1013	THERMOSTAT BULB CLAMP
4	3	F706A8731	ELEMENT 240V	42	2	F706A8703	ELEMENT 208V
4	3	F706A8729	ELEMENT 480V	42	2	F706A8731	ELEMENT 240V
5	6	20A2G1	ELEMENT CLAMP PLATE	42	2	F706A8729	ELEMENT 480V
6	3	8500079	INSULATION	43	4	20A2G1	ELEMENT CLAMP PLATE
7	3	F706A1017	BAFFLE	44	26	B301A8817	HEX NUT 1/4-20
8	4	20A2G7	LATCH SCREW	45	20	F706A8809	WASHER 1-1/4" OD
9	4	20A2G6	LATCH PLATE	46	8	F706A8811	SPACER
10	4	20A1G7	LATCH PIN	47	16	F706A8805	WASHER 1/4"
11	4	34284	CLIP, RETAINING 12 x 24 HOTPLATE	48	2	8500079	INSULATION
12	2	20A1G8	KEY STRIP	49	2	F706A1017	BAFFLE
13	6	F706A1013	BULB CLAMP	50	1	33617	WELDMENT, EXT. PANEL, LEFT HAND
14	27	F716A8803	CAP SCREW 1/4-20 x 3/8	51	1	33618	WELDMENT, EXT. PANEL, RIGHT HAND
15	30	F706A8809	WASHER 1-1/4"	52	1	32849	REAR PANEL
16	12	2001184	STUD 1/4-20 x 1-5/8	53	1	30905	TERMINAL BLOCK, 3 POLE
17	12	F706A8811	SPACER	54	1	33616	PLATE COVER
18	30	F706A8805	WASHER 1/4"	55	1	7007442	KNOCKOUT PLATE
19	24	F706A8807	HEX NUT 1/4-20, BRASS	56	4	MALG06F	KIT, MARINE LEG 6" SS ADJ.
20	1to3	34797	TWIN PLATE ASSEMBLY 208V, 2600W	57	1	7007992	ACCESS PANEL
20	1to3	33850	TWIN PLATE ASSEMBLY 240V, 2600W	58	2	7601840	GREASE DRAWER, HANDLE & ASSEMBLY
20	1to3	34278	TWIN PLATE ASSEMBLY 480V	59	1	32691	LATCH, MARINE
21	2to6	1132B8701	SOLID ROUND HEATING UNIT 208V ECO-2600W	60	2	34743	LATCH, GREASE DRAWER
21	2to6	1132B8703	SOLID ROUND HEATING UNIT 240V ECO-2600W	2	2	34741	RECEIVER FOR LATCH
21	2to6	34127	SOLID ROUND HEATING UNIT 480V ECO-2600W	61	2	33621	DOOR BUSHING
22	1to3	7610114	TWIN PLATE PANEL	62	4	7610657	WELDMENT, SPOUT GREASE
23	1to3	1132B8901	RETAINER BAR MOUNTING BRACKET	63	4	2700090	GASKET, SPOUT GREASE
24	2to6	34285	RETAINING CLIP	64	1	33693	ASSEMBLY, DOOR
25	1to3	30999	BOTTOM, PLATE	65	1	32692	PLATE, LATCH
26	1	20G1A32	36 x 24 GRIDDLE PLATE COMPLETE 208V	66	2	34081	SPACER, STEPPED - MARINE LATCH
26	1	20G1A302	36 x 24 GRIDDLE PLATE COMPLETE 240V	67	1	32572	ASSEMBLY, HANDLE DOOR
26	1	20G1A306	36 x 24 GRIDDLE PLATE COMPLETE 480V	68	2	3103164	SPACER, DOOR & DRAWER HANDLE
27	1	20G1A36	36 x 24 GRIDDLE PLATE ONLY	69	4	2000320	HANDLE SCREWS 10/32 x 3-1/2
28	4	3004257	THERMOSTAT	70	2	3000058	BLACK HANDLE PLUG
4	4	2100059	THERMOSTAT KNOB 150°F (66°C)-450°F (232°C)			31795	DECAL RH36C3,RH36D3 CONTROL PANEL (Not Shown)
						31796	DECAL RH36C4,RH36D4 CONTROL PANEL (Not Shown)
						31794	DECAL RH36C2&C6,RH36D2&D6 CONTROL PANEL (Not Shown)
						31793	DECAL RH36C1&C7,RH36D1&D7 CONTROL PANEL (Not Shown)
						30926	CONTROL PANEL RH36D4
						31623	CONTROL PANEL RH36C3



**Convection Oven
Drawing
Figure 4-2**

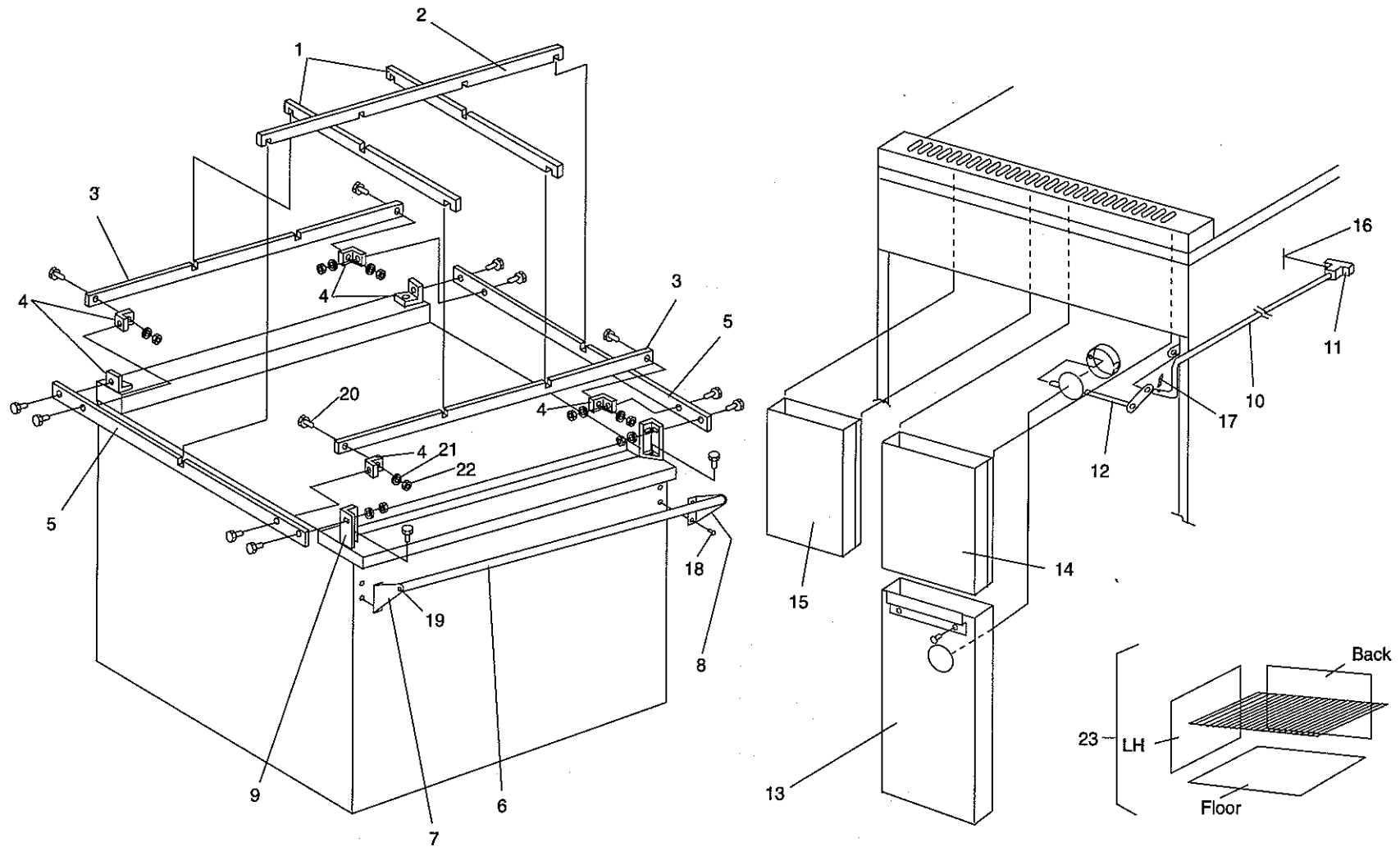
Convection Oven Parts List

ITEM NO	QTY	PART NO.	DESCRIPTION
1	1	3027A8701	ELEMENT 6000W-208V
1	1	3027A8711	ELEMENT 6000W-240V
1	1	3027A8709	ELEMENT 6000W-480V
2	4	3027A3083	ELEMENT SUPPORT
3	1	30919	MOTOR BLOWER & ASSEMBLY 240V-480V
3A	1	3002761	BLOWER MOTOR ONLY 208V-240V
4	1	3103902	BLOWER WHEEL
5	1	7610513	ELEMENT COVER, BLOWER BAFFLE
6	3	3102541	SHELF ASSEMBLY
7	2	3102540	SIDE RACK
8	1	30905	TERMINAL BLOCK, 3 POLE
9	1	28082-0010	TRANSFORMER 480V ONLY
10	1	34401	CONTACTOR 208V-240V COIL
11	1	30368	DOOR SPRING
12	1	43685	EYE BOLT
13	1	30369	CABLE ASSEMBLY
14	1	7007809	PULLEY
15	1	30359	AXLE
16	2	3102937	RETAINER RING
17	1	3003770	MICRO SWITCH
18	1	32762	MOTOR DUCT
19	1	34404	MOTOR DUCT SEAL
20	1	30519	HIGH LIMIT SENSOR
21	A/R	32941	SWITCH 3HT
22	A/R	33365	KNOB SWITCH
23	A/R	33413	SIGNAL LIGHT, GREEN 250V
23	A/R	33414	SIGNAL LIGHT, AMBER 250V
23	A/R	33415	SIGNAL LIGHT, WHITE 250V
23	A/R	33417	SIGNAL LIGHT, GREEN 480V
23	A/R	33418	SIGNAL LIGHT, AMBER 480V
23	A/R	33419	SIGNAL LIGHT, WHITE 480V
24	1	2662A8701	THERMOSTAT, C.O. OVEN 150°F (66°C)-450°F (232°C)
25	1	A710E8771	THERMOSTAT KNOB, C.O. OVEN 150°F (66°C)-450°F (232°C)
26	1	3004536	TIMER
27	1	2100088	OVEN TIMER KNOB
28	1	33436	SWITCH, ROCKER, DP/ST
29	1	33437	SWITCH, ROCKER DP/DT
30	2	1455A0341	FUSE HOLDER ASSEMBLY 480V
30	2	1455A0339	FUSE HOLDER ASSEMBLY 240V
31	2	1455A8793	FUSE 240V-10A
31	2	1455A8794	FUSE 480V-10A
32	1	31783	DECAL CONTROL PANEL (Not Shown)



DeckOven Parts Llist

ITEM NO	QTY	PART NO.	DESCRIPTION
1	2	3001761	INNER ELEMENT 1500W-208V
1	2	3001762	INNER ELEMENT 1500W-240V
1	2	3001764	INNER ELEMENT 1500W-480V
2	2	3001765	OUTER ELEMENT 1500W-208V
2	2	3001766	OUTER ELEMENT 1500W-240V
2	2	3001768	OUTER ELEMENT 1500W-480V
3	1	30692	OVEN DECK
4	1	30372	OVEN SHELF
5	1	3024A3217	GUARD THERMOSTAT BULB
6	1	30368	SPRING, DOOR
7	1	43685	EYEBOLT
8	1	30369	CABLE ASSEMBLY
9	1	30905	TERMINAL BLOCK, 3 POLE
10	1	7007809	SHEAVE, 3/16 DIA. CABLE (PULLEY)
11	1	30359	AXLE
12	2	3102937	RETAINER RING
13	2to6	32941	SWITCH 3HT
14	2to6	33365	KNOB SWITCH
15	A/R	33413	SIGNAL LIGHT, GREEN 250V
15	A/R	33414	SIGNAL LIGHT, AMBER 250V
15	A/R	33417	SIGNAL LIGHT, GREEN 480V
15	A/R	33418	SIGNAL LIGHT, AMBER 480V
16	1	3004238	THERMOSTAT DECK OVEN
17	1	A710E8739	THERMOSTAT KNOB DECK OVEN 200°F-550°F
18	1	3004536	TIMER
19	1	210088	KNOB, TIMER
20	2	32941	SWITCH 3HT
21	2	33365	KNOB SWITCH
22	1	31784	DECAL CONTROL PANEL DECK OVEN



**Vents & Marine Rails
Drawing
Figure 4-4**

Vents & Marine Rails Parts List

ITEM NO	QTY	PART NO. DESCRIPTION	
1	2	33194	RAIL, SEA FRONT TO BACK LOOSE
2	1	33195	RAIL, SEA LEFT TO RIGHT LOOSE
3	2	20A2C77	RAIL, SEA FIXED RIGHT LEFT
4	6	20A2C76	ANGLE, SEA RAIL SECURITY
5	2	20A2C75	RAIL, SEA FIXED FRONT BACK
6	1	20A2C82	RAIL, HAND
7	1	7001408	BRACKET, RAIL LT MARINE
8	1	7001409	BRACKET, RAIL RT MARINE
9	2	7004267	POST, SEA RACKS
10	1	7000071	ROD, VENT RA
11	1	2100053	KNOB, VENT "T" PULL/OPEN
12	1	7610705	WELDMENT, FLAP VENT
13	1	30412	WELDMENT, FLUE - OVEN SECTION
14	1	30415	WELDMENT, FLUE - TOP SECTION
15	1	32792	WELDMENT, FLUE - TOP SECTION
16	1	2002305	VENT KNOB PIN
17	1	18A12	COTTER PIN
18	4	2000552	SCREW 5/16-18 x 3/4
19	2	4113A8801	SCREW FHM 1/4-20 x 1/2
20	16	2281	SCREW 5/16-18 x 7/16
21	16	4039A8803	LOCKWASHER 5/16
22	12	1411D8815	HEX NUT 5/16-18
23	1	34518	STAINLESS STEEL LINER KIT