



MARKET FORGE

R SERIES HEAVY DUTY RANGE PARTS AND SERVICE MANUAL

EFFECTIVE DECEMBER 13, 2016

Superseding All Previous Parts Lists.

The Company reserves the right to make substitution in the event that items specified are not available.

ERRORS: Descriptive and/or typographic errors are subject to correction.

MARKET FORGE

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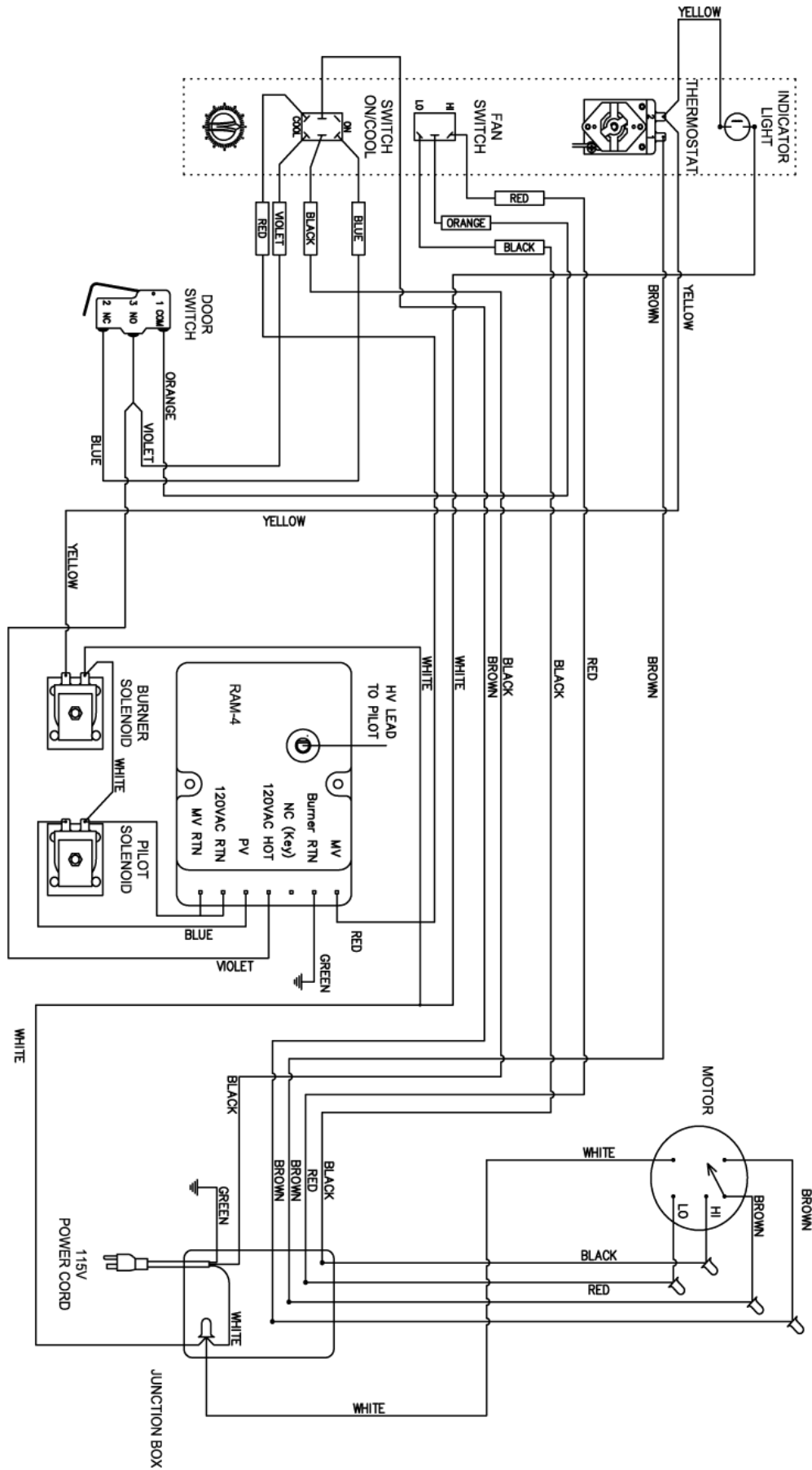
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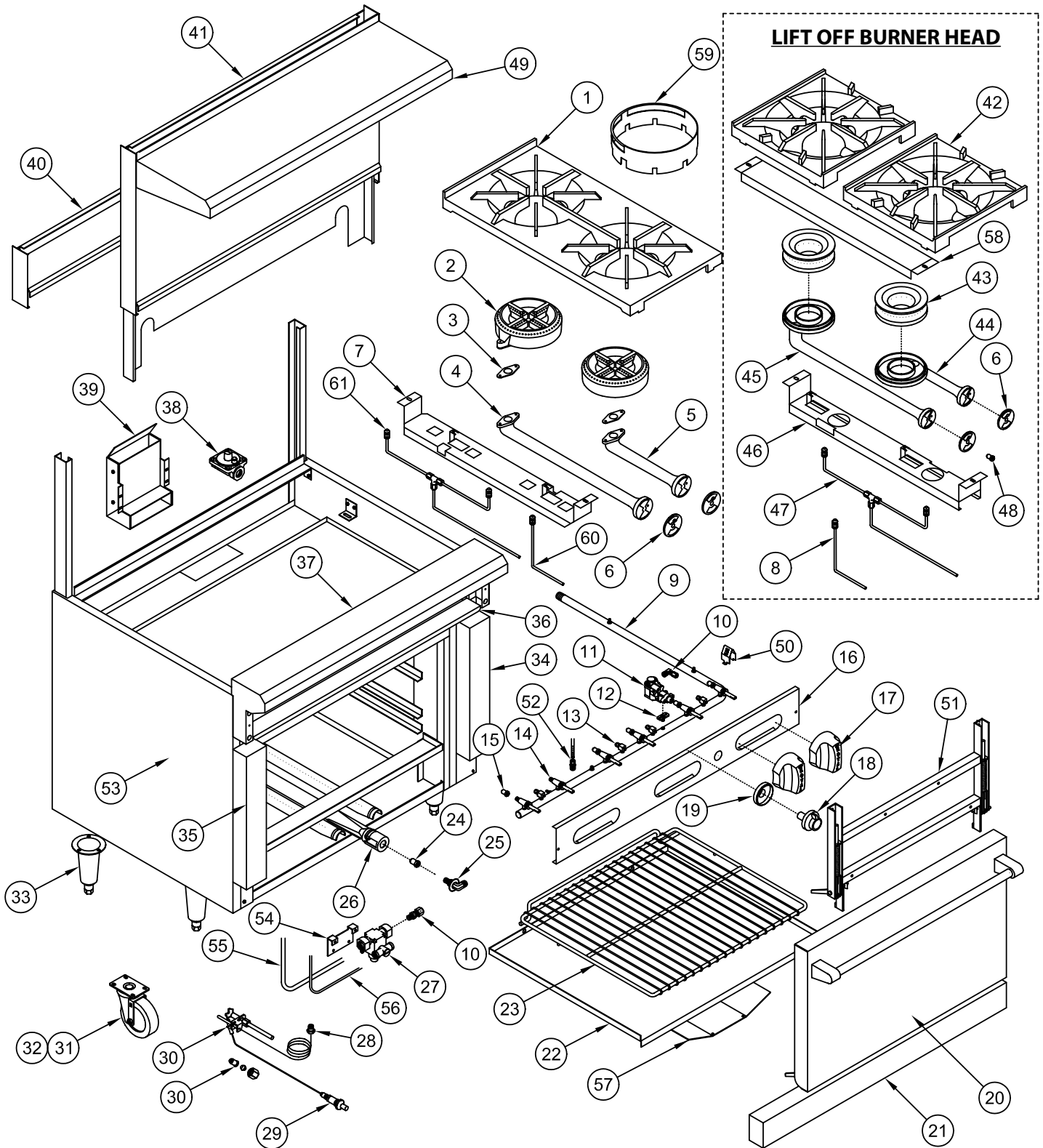
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


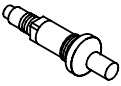

CONVECTION OVEN WIRING DIAGRAM



ROYAL RANGE OF CALIFORNIA
RR-C

COMPLETE RANGE



90° ELBOW FITTING	B.J. THERMOSTAT	"T" FLANGE	90° PILOT VALVE	GAS VALVE	ORIFICE HOOD	IGNITOR (OVEN)	PILOT (OVEN)
							
10	11	12	13	14	15 24 48	29	30

COMPLETE RANGE

ITEM	PART NO.	DESCRIPTION
1	93-5080	12" x 24" Top grate (cast iron)
2	93-5081	Open burner (head only)
3	93-5082	Open burner gasket & screw set
4	93-5083	18" Rear venturi (cast iron)
5	93-5084	6" Front venturi (cast iron)
6	93-5085	Air shutter (mixer)
7	93-5086	Burner hanger (open burner)
8	93-5087	Pilot assembly w/ferrule and compression nut (single burner)
9	93-5088	24" Manifold pipe
9	93-5089	36" Manifold pipe
9	93-5090	48" Manifold pipe
9	93-5091	60" Manifold pipe
9	93-5092	72" Manifold pipe
10	93-5093	1/4" NPT x 3/8" CC Straight Fitting (Brass)
11	93-5094	B.J. Thermostat (Oven Only)
11	93-5095	1/4" NPT Plug (used to block outlet on thermostat)
12	93-5096	B.J. Thermostat Flange Nipple
13	93-5097	1/8" NPT x 3/16"CC 90° Adj. Single Pilot Valve (Brass)
14	93-5098	Gas Valve (Brass) w/out Orifice
15	93-5099	Orifice Hood #42 Open Burner Natural Gas, 26,000BTU
15	93-5100	Orifice hood #53 Open burner propane, 26,000BTU
16	93-5101	24" Valve cover
16	93-5102	36" Valve cover
16	93-5103	48" Valve cover
16	93-5104	60" Valve cover
16	93-5105	72" Valve cover
17	93-5106	Blue Knob – Flat Side Down
18	93-5107	Thermostat Dial (Black) – Oven Only
19	93-5108	Thermostat Bezel (Chrome)
20	93-5109	24" Oven door (complete)
20	93-5110	36" Oven door (complete)
21	93-5111	24" Kick plate
21	93-5112	36" Kick Plate
22	93-5113	24" Oven bottom
22	93-5114	36" Oven bottom
23	93-5470	20" Oven Rack (after 5/1/2013)
	93-6005	20" Oven Rack (between 7/27/2010 and 5/1/2013)
	96-6004	20" Oven Rack (before 7/27/2010)
23	93-5471	26" Oven Rack (after 5/1/2013)

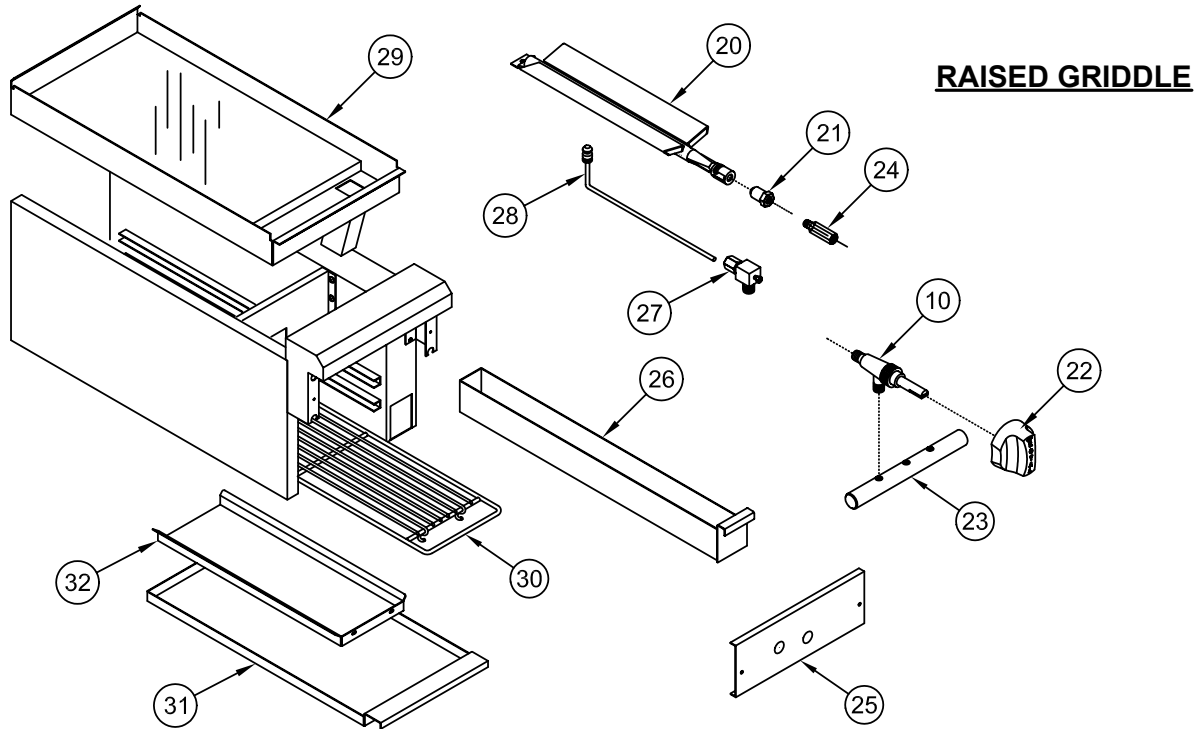
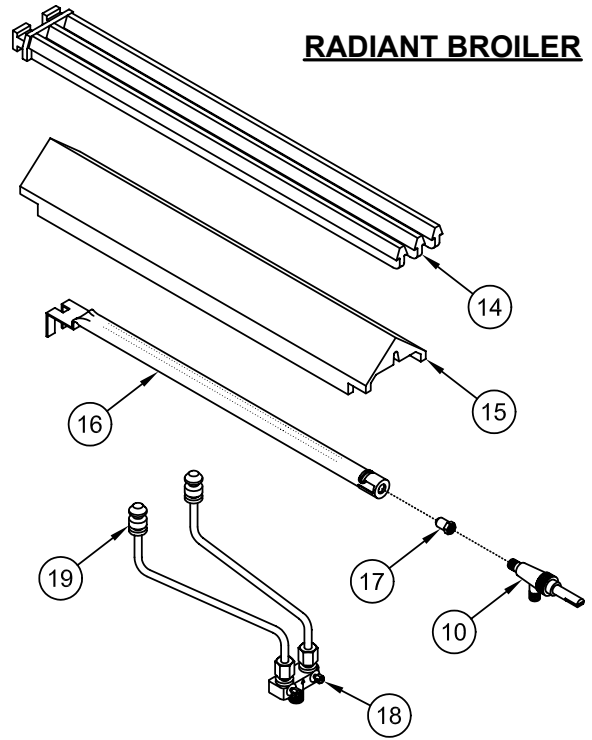
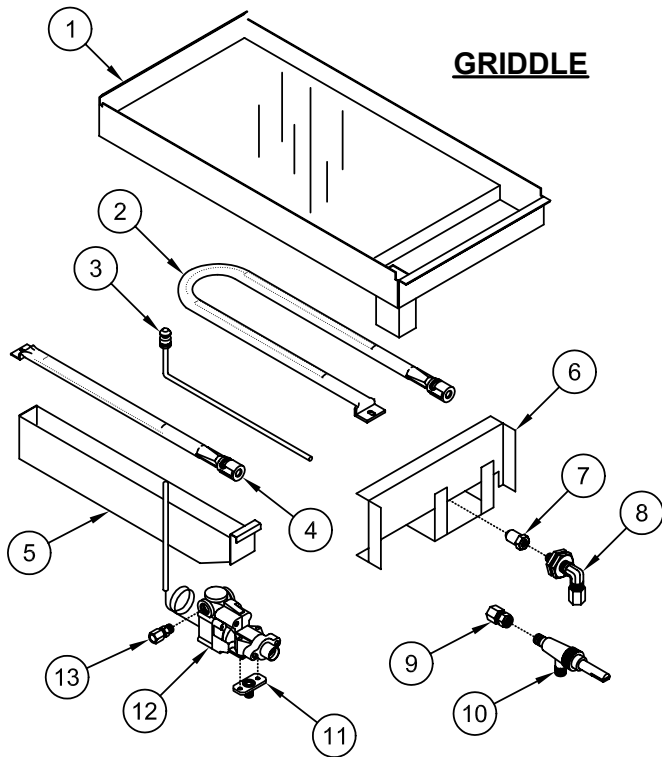
COMPLETE RANGE

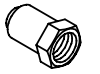

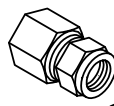





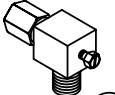
ITEM	PART NO.	DESCRIPTION
	93-6006	26" Oven Rack (before 5/1/2013)
24	93-5117	Oven burner # 36 Orifice (brass) natural gas
24	93-5055	Orifice Hood #50 (Brass) Propane 35,000 BTU
25	93-5119	90° Orifice Elbow Adapter 1/4" NPT x 3/8"-27 CC (Brass)
26	93-5120	"U" Burner (Oven)
27	93-5121	Oven safety valve with inverted flare nut and ferrule
28	93-5122	Thermocouple, 18" (FRONT BURNER)
30	93-5124	Oven Pilot (NAT)
30	93-5125	Oven Pilot (PROPANE)
31	93-5126	Caster 5" w/brake
32	93-5127	Caster 5" without brake
33	93-5128	Chrome Cone Leg W/Adjustable Bullet Foot
34	93-5129	Filler panel – right side
35	93-5130	Filler panel – left side
36	93-5131	24" Crumb tray
36	93-5132	36" Crumb tray
36	93-5133	48" Crumb tray (Please order 2 ea. of part # 30008)
37	93-5134	24" Landing Ledge
37	93-5135	36" Landing Ledge
37	93-5136	48" Landing Ledge
37	93-5137	60" Landing Ledge
37	93-5138	72" Landing Ledge
38	93-5139	Gas Pressure Regulator (NAT)
38	93-5140	Gas Pressure Regulator (PROPANE)
39	93-5123	Manual Ppark Igniter w/Red Push Button
39	93-5141	Flue box assembly.
40	93-5142	24" Stub back assembly
40	93-5143	36" Stub back assembly
40	93-5144	48" Stub back assembly
40	93-5145	60" Stub back assembly
40	93-5146	72" Stub back assembly
41	93-5147	24" Back guard assembly
41	93-5148	36" Back guard assembly
41	93-5149	48" Back guard assembly
41	93-5150	60" Back guard assembly
41	93-5151	72" Back guard assembly
42	93-5152	12" x 12" Top grate (cast iron)
43	93-5153	Open burner – Lift off burner cap

COMPLETE RANGE

ITEM	PART NO.	DESCRIPTION
44	93-5154	6" Front venturi – Lift off burner base (cast iron)
45	93-5155	18" Rear venturi – Lift off burner base (cast iron)
46	93-5156	Burner hanger – Lift off burner
47	93-5157	Pilot assy w/ferrule & compression nut (double burner)
48	93-5158	Orifice Hood #39 (Brass) Natural Gas 30,000 B.T.U.
48	93-5159	Lift off Burner # 52 Orifice Propane Gas, 30,000 BTU
49	93-5160	24" Shelf
49	93-5161	36" Shelf
49	93-5162	48" Shelf
49	93-5163	60" Shelf
49	93-5164	70" Shelf
50	93-5165	Thermostat bulb clip
50	93-5166	Door frame assy. (20" oven)
51	93-5167	Door frame assy. (26 1/2" oven)
52	93-5168	1/8" NPT X 3/16" CC Brass Fitting
53	93-5169	Left Side Panel
53	93-5170	Right Side Panel
53	93-5171	Safety Valve Bracket (PN: 2174)
54	93-5172	Safety valve bracket (PN: 2174-B)
55	93-5173	3/8" Aluminized tubing (Specify length of tubing)
56	93-5174	3/16" Aluminized tubing (Specify length of tubing)
56	93-5175	Oven flame spreader (26 1/2" oven)
57	93-5176	Oven flame spreader (20" oven)
58	93-5177	Top grate support bracket
59	93-5178	Wok ring
60	93-5179	Pilot assy w/ferrule and compression nut (single burner)
61	93-5180	Pilot assy w/ferrule and compression nut (double burner)

GRIDDLE, RADIANT BROILER AND RAISED GRIDDLE



ORIFICE HOOD	ORIFICE ELBOW	GAS VALVE ADAPTER	GAS VALVE	B.J. THERMOSTAT	DUAL PILOT VALVE	GAS VALVE KNOB	ORIFICE ADAPTER	90° PILOT VALVE
								
7 14 18	8	9	10	12	18	22	24	27

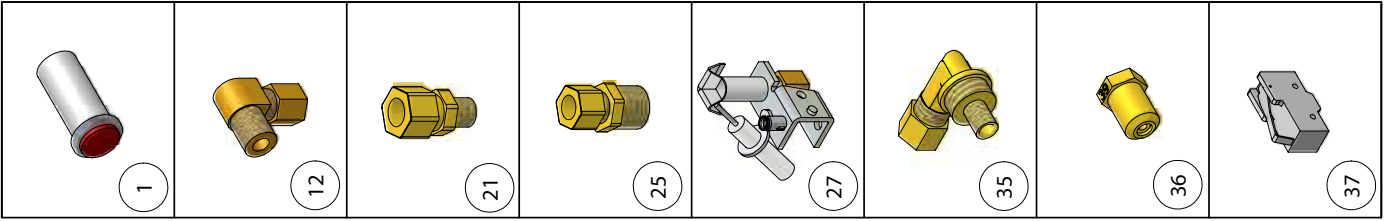
GRIDDLE, RADIANT BROILER AND RAISED GRIDDLE

ITEM	PART NO.	DESCRIPTION
1	93-5181	12" Griddle plate assy. (Left)
1	93-5183	24" Griddle plate assy. (Left)
1	93-5185	36" Griddle plate assy. (Left)
1	93-5182	12" Griddle plate assy. (Right)
1	93-5184	24" Griddle plate assy. (Right)
1	93-5186	36" Griddle plate assy. (Right)
1	93-5187	48" Griddle plate assy. (Left)
1	93-5188	48" Griddle plate assy. (Right)
2	93-5189	"U" burner (range griddle only)
3	93-5190	Pilot tip and tube assembly, range griddle
4	93-5191	Straight burner (range griddle only)
5	93-5192	Grease can assy.
6	93-5193	12" Front baffle (Left)
6	93-5197	36" Front baffle (Left)
6	93-5195	24" Front baffle (Left)
6	93-5194	12" Front baffle (Right)
6	93-5196	24" Front baffle (Right)
6	93-5199	48" Front baffle (Left)
6	93-5200	48" Front baffle (Right)
6	93-5198	36" Front baffle (Right)
7	93-5201	Orifice Hood (griddle) #46 (Brass) Natural Gas, 20,000BTU
7	93-5202	Orifice hood (griddle) #55 (brass) propane, 20,000BTU
8	93-5203	Orifice Elbow 3/8" CC X 3/8"-27 (Brass)
9	93-5204	Adapter 3/8-27 x 3/8" CC (Gas Valve)
10	93-5098	Gas Valve (Brass) w/out Orifice
11	93-5096	B.J. Thermostat Flange Nipple
12	93-5207	B.J. Thermostat (griddle)
13	93-5093	1/4" NPT x 3/8" CC Straight Fitting (Brass)
14	93-5209	3" x 21" Top Grate (Cast Iron)
15	93-5210	Burner radiant (cast iron)
16	93-5211	Stainless steel burner w/ air shutter
17	93-5212	Orifice hood (RB) #50 (brass) natural, 15,000BTU
17	93-5213	Orifice hood (RB) #56 (brass) propane, 15,000BTU
18	93-5214	1/8" NPT x 3/16" CC Adjustable double pilot valve (brass)
19	93-5215	Pilot Tip Assembly
20	93-5216	Burner with radiant
21	93-5217	Orifice hood (RG) #50 (brass) natural, 20,000BTU
21	93-5213	Orifice hood (RG) #56 (brass) propane, 20,000BTU

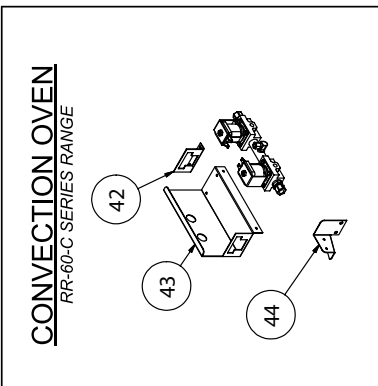
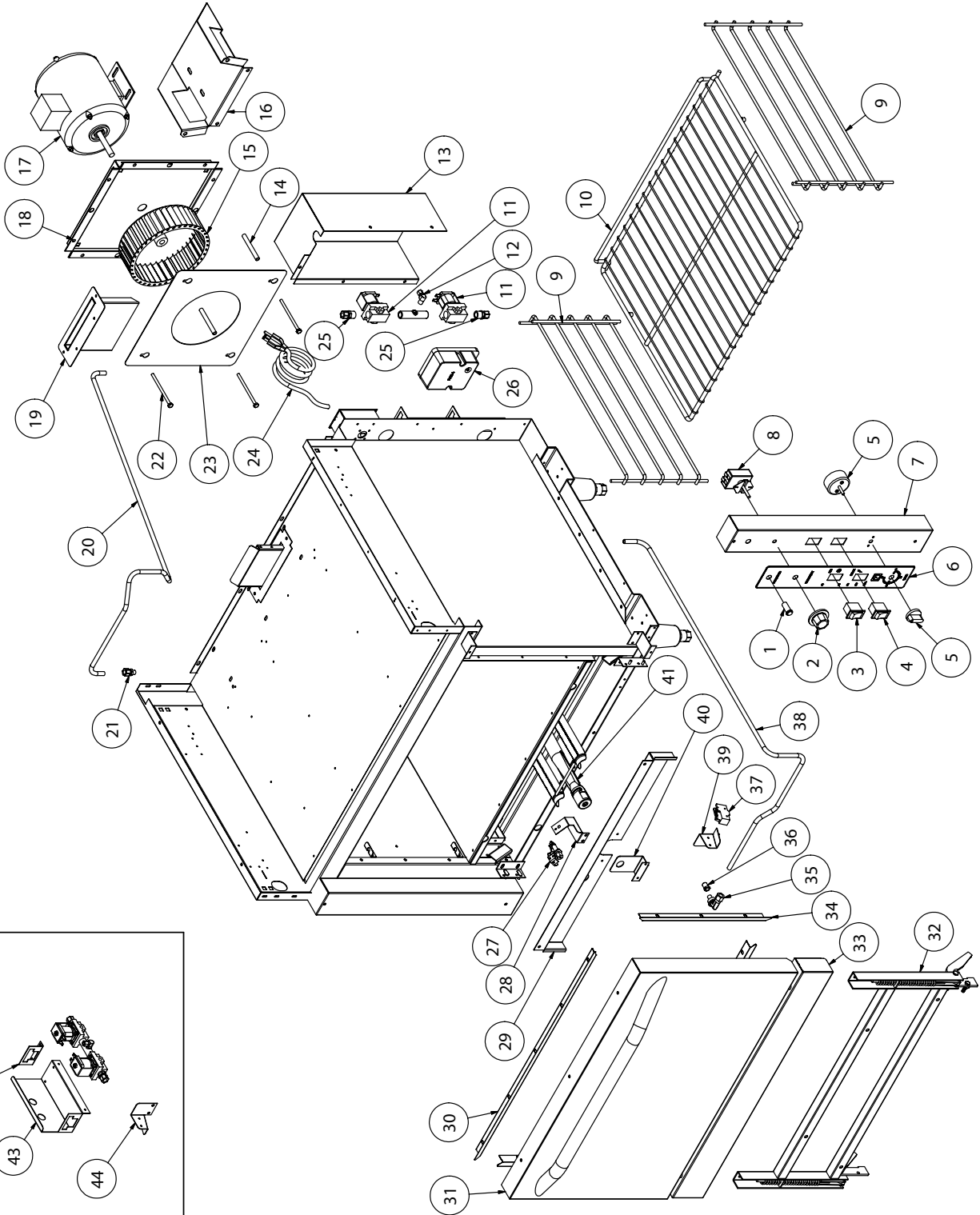
GRIDDLE, RADIANT BROILER AND RAISED GRIDDLE

ITEM	PART NO.	DESCRIPTION
22	93-5219	Blue Knob – Flat Side Up
23	93-5220	RRG-12" Manifold Pipe
23	93-5221	RRG-24" Manifold Pipe
24	93-5093	1/4" NPT x 3/8" CC Straight Fitting (Brass) (Extension Fitting)
25	93-5223	RRG-12" Valve cover
25	93-5224	RRG-24" Valve cover
26	93-5225	RRG Grease can assy.
27	93-5097	1/8" NPT x 3/16"CC 90° Adj. Single Pilot Valve (Brass)
28	93-5227	Pilot tip and tube assembly, range raised griddle
29	93-5228	RRG-12" Griddle plate assy.
29	93-5229	RRG-24" Griddle plate assy.
30	93-5230	RRG-12" Rack
30	93-5231	RRG-24" Rack
31	93-5232	RRG-12" Crumb tray
31	93-5233	RRG-24" Crumb tray
32	93-5234	RRG-12" Drip pan
32	93-5235	RRG-24" Drip pan

CONVECTION OVEN



CONVECTION OVEN RR-C SERIES RANGE



CONVECTION OVEN

ITEM	PART NO.	DESCRIPTION
1	93-5236	Indicator Light
2	93-5237	Dial Knob, Thermostat (KX)
3	93-5238	Switch, Oven Fan High/Low
4	93-5239	Switch, Power - 3 position
5	93-5240	Manual Timer, 1 Hour
5	93-5241	Knob, Black w/Orange Dot (Timer)
6	93-5242	Control Panel Decal
7	93-5243	Control Panel R/H For 36" Range
8	93-5244	Thermostat (KX)
9	93-5245	Oven Rack Guide
10	93-5246	Oven Rack
11	93-5247	Solenoid Valve
12	93-5248	Brass Fitting - 1/4 CC X 1/8 NPT X 90 Degrees
13	93-5249	Module Cover
14	93-5250	Blower Spacer Tube
15	93-5251	Blower Wheel RR-C
16	93-5252	Motor Mount Bracket
17	93-5008	Motor
18	93-5254	Motor Mount Weld Plate Assy.
19	93-5255	Snorkel Tube Weld Assembly
20	93-5256	Manifold Tubing (Manifold To Solenoid 3/8 Aluminized Tubing)
21	93-5257	Straight Connector 3/8" CC X 1/8" NPT (Male Thread)
22	93-5258	Hex Head Shoulder Bolt (1/4-20 x 4")
23	93-5259	Blower Baffle Cover
24	93-5260	Power Cord
25	93-5261	Straight Connector (3/8 CC X 3/8 NPT) (Male Thread)
26	93-5262	RAM-4 Spark Module
27	93-5124	Oven Pilot (NAT)
27	93-5125	Oven Pilot (PROPANE)
28	93-5265	Pilot Bracket
29	93-5266	Oven Front Baffle
30	93-5267	Door Seals (Top—Bottom)
31	93-5268	Convection Base Oven Door (Complete Assy.)
32	93-5269	Convection Base Door Frame Assy.
33	93-5112	36" Kick Plate
34	93-5271	Door Seal Sides
35	93-5203	Orifice Elbow 3/8" CC X 3/8"-27 (Brass)
36	93-5158	Orifice Hood #39 (Brass) Natural Gas 30,000 B.T.U.

CONVECTION OVEN

ITEM	PART NO.	DESCRIPTION
36	93-5159	Orifice Hood #52 (Brass) Propane Gas 30,000 B.T.U.
37	93-5275	Switch, Oven Door
38	93-5276	Burner Tubing 3/8 Diameter Aluminum
39	93-5277	Door Switch Bracket
40	93-5278	Oven Elbow Bracket
41	93-5120	"U" Burner (Oven)
42	93-5280	Solenoid End Bracket
43	93-5281	Solenoid Bracket
44	93-5282	Door Switch Bracket L/H for RR-60-C