

INSTRUCTIONAL MANUAL



GAS FIRED BROILERS

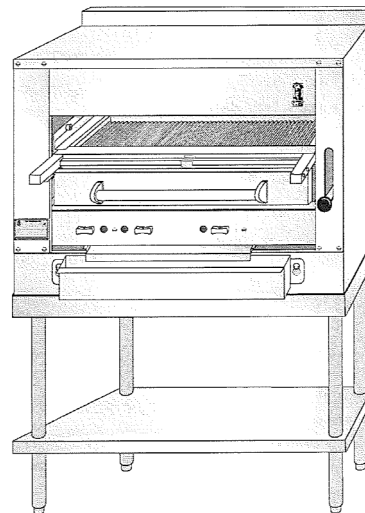
E36W36
E43W36
E136W36
EV136W36

E236W36
E243W36
EC36
EC45

EC36W36
WC43W36
E136C36
E136C45

EV136C36
EV136C45
W136XC36
W136XC45

with optional searing plate (-SHB)

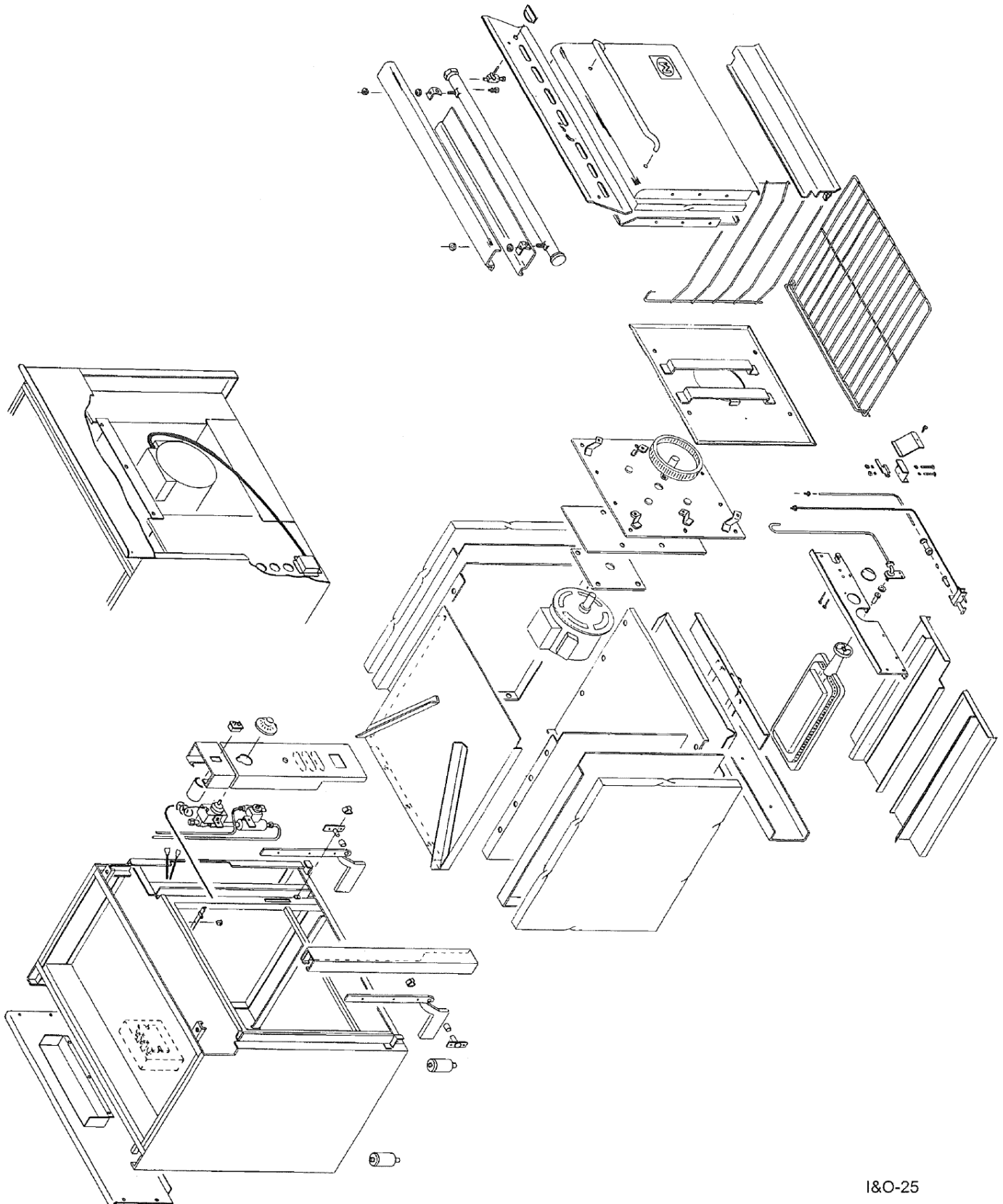


NOTICE:

This manual is prepared for the use of Service Technicians and should not be used by those not properly qualified. This manual is not intended to be all encompassing. You should read, in its entirety, the repair procedure you wish to perform to determine if you have the necessary tools, instruments, and skills required to perform the procedure.

RETAIN THIS MANUAL FOR FUTURE REFERENCE.

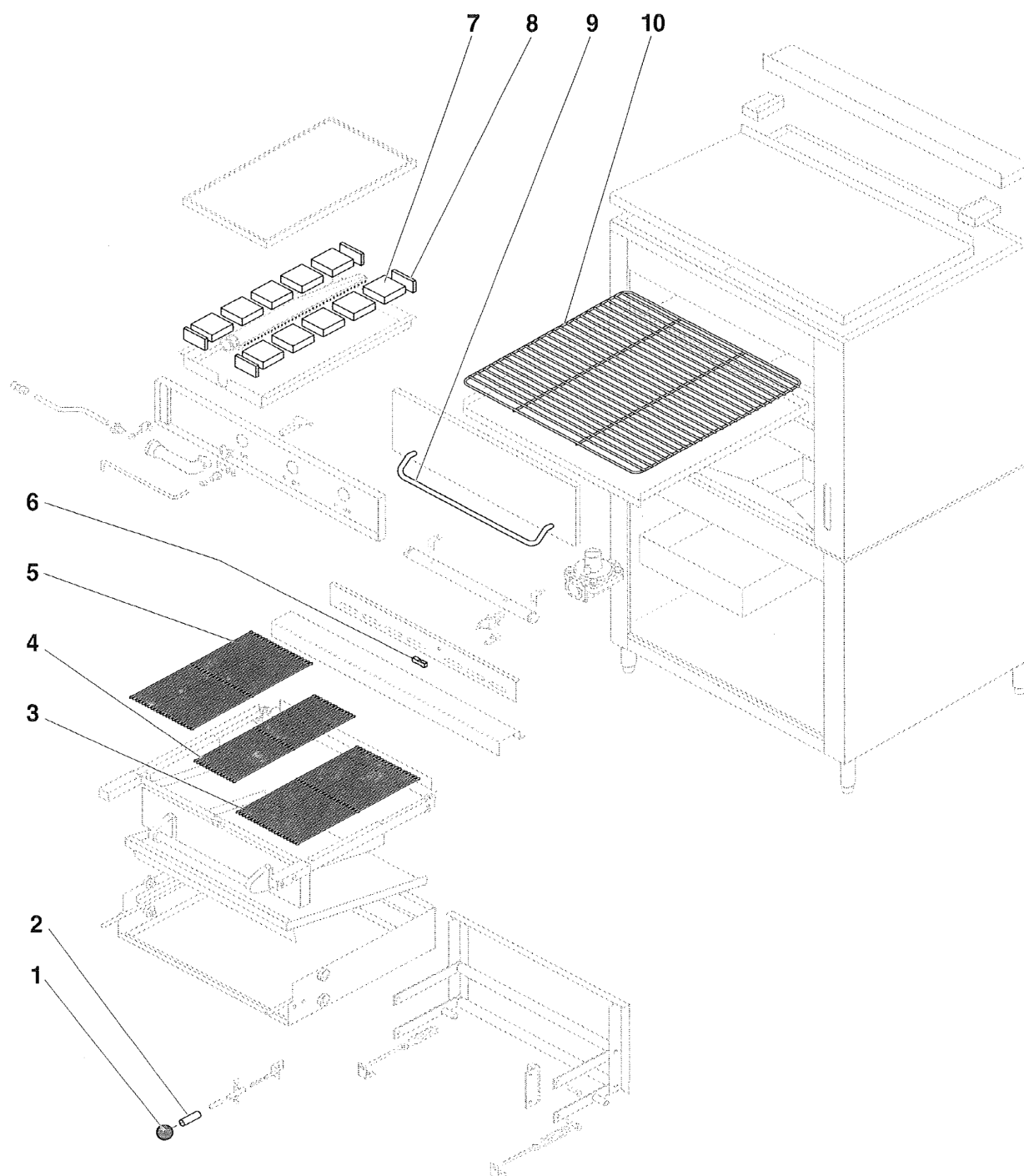
C36 & C45 EXPLODED VIEW



I&O-25

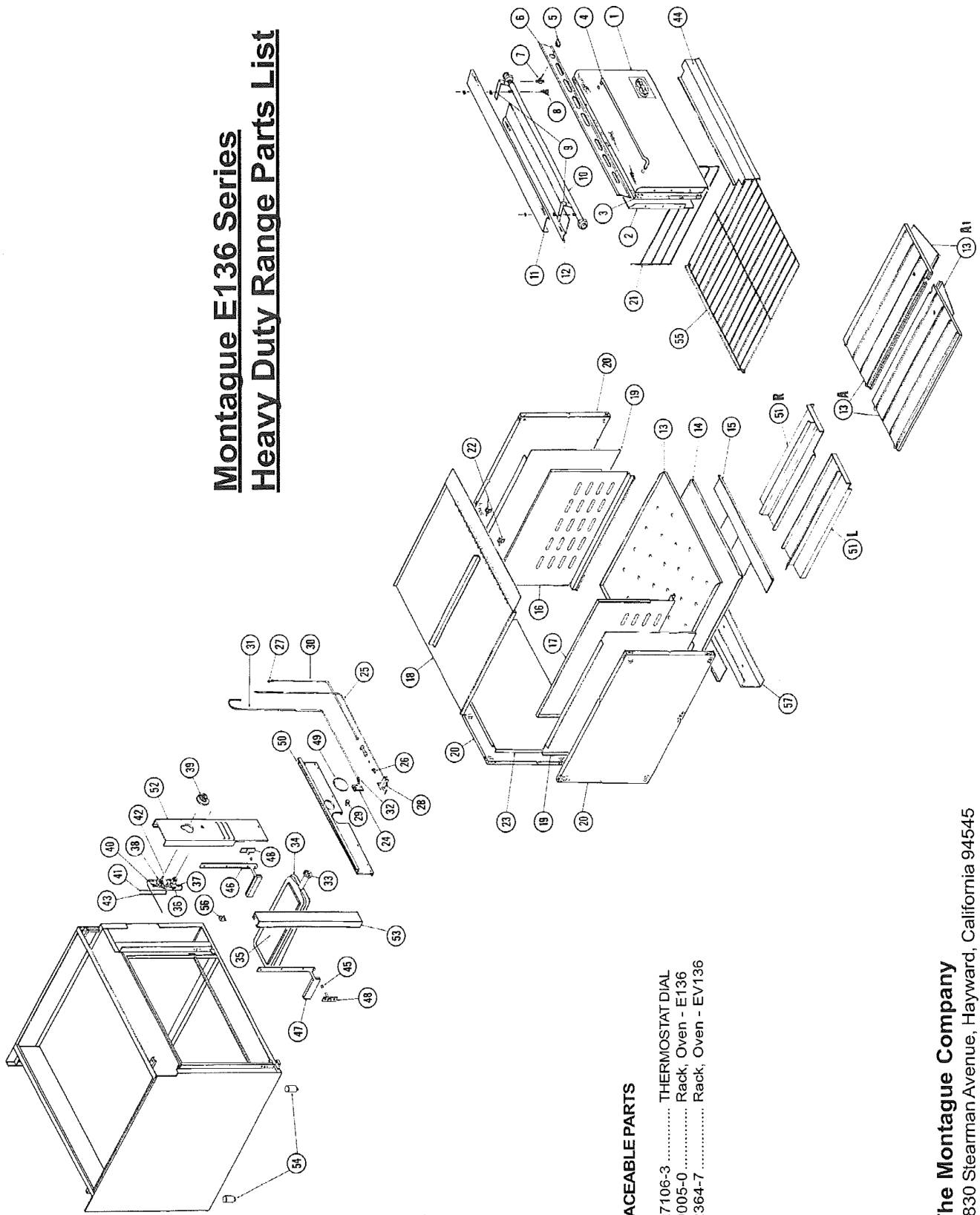
ITEM	PART NUMBERS		DESCRIPTION
	C36 236W36	C45 243W36	
1	2033-8	2033-8	KNOB, BLACK BALL
2	3504-1	3504-1	HANDLE, SLEEVE
3	1600-4	1600-4	GRID IRON, RIGHT
4	N/A	1602-0	GRID IRON, CENTER
5	1601-2	1601-2	GRID IRON, LEFT
6	43476-0	43476-0	HANDLE, VALVE
7	11611-4	11611-4	CERAMIC, LARGE
7A	28387-8	28387-8	CERAMIC KIT (10 ea. 11611-4 Large Ceramics, 4 ea. 11614-9 Ceramic Insulators)
8	11614-9	11614-9	INSULATOR, CERAMIC

36W36 & 43W36 EXPLODED VIEW



ITEM	PART NUMBERS		DESCRIPTION
	36W36	43W36	
1	2033-8	2033-8	KNOB, BLACK BALL
2	3504-1	3504-1	SLEEVE
3	1601-2	1601-2	GRID IRON, RIGHT
4	N/A	1602-0	GRID IRON, CENTER
5	1601-2	1601-2	GRID IRON, LEFT
6	43476-0	43476-0	HANDLE, VALVE
7	11611-4	11611-4	CERAMIC, LARGE
7A	28387-8	28387-8	CERAMIC KIT (10 ea. 11611-4 Large Ceramics, 4 ea. 1 1614-9 Ceramic Insulators)
8	11614-9	11614-9	INSULATOR, CERAMIC
9	3173-9	3173-9	HANDLE
10	1604-7	1579-2	WIRE RACK

Montaque E136 Series Heavy Duty Range Parts List

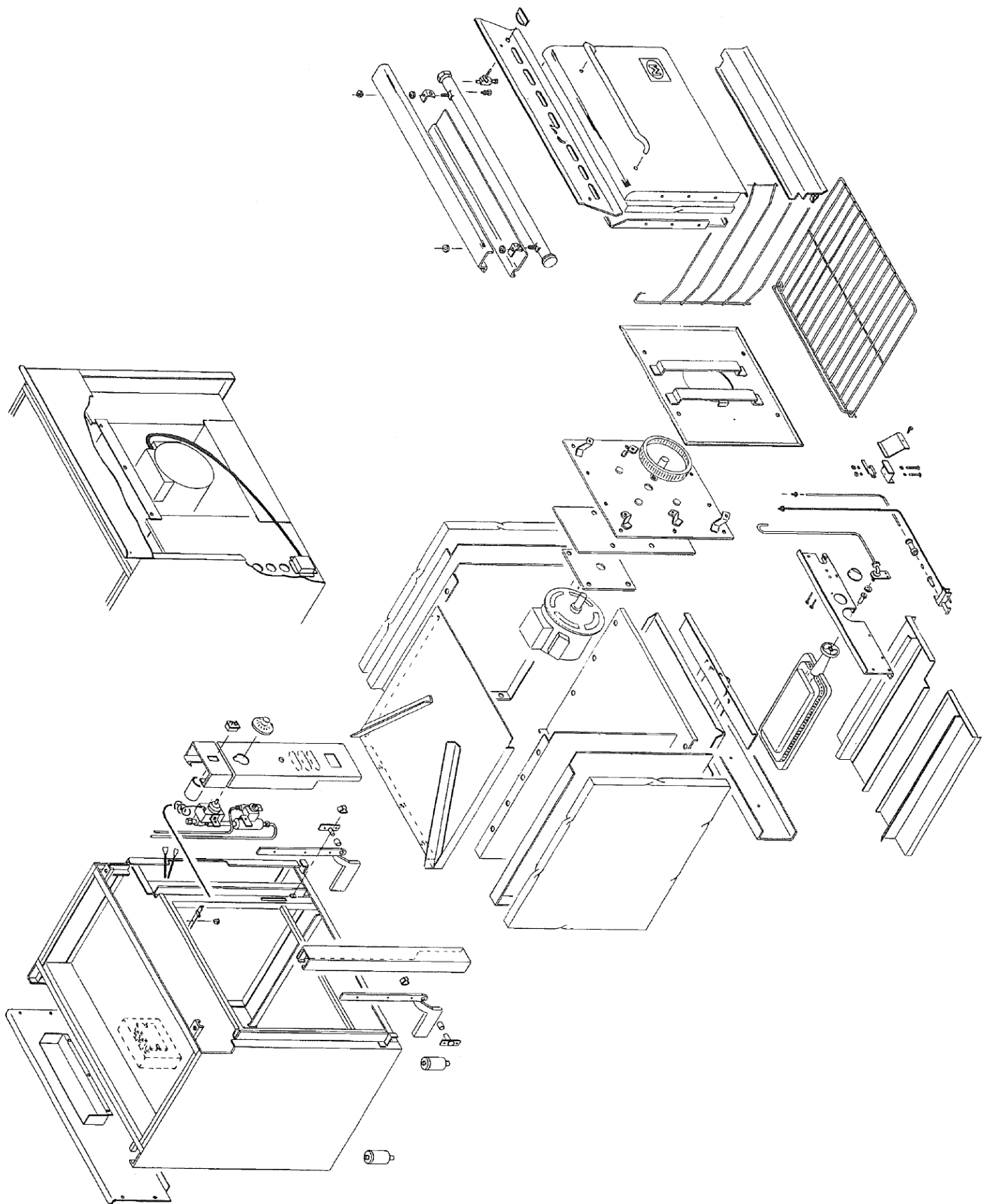


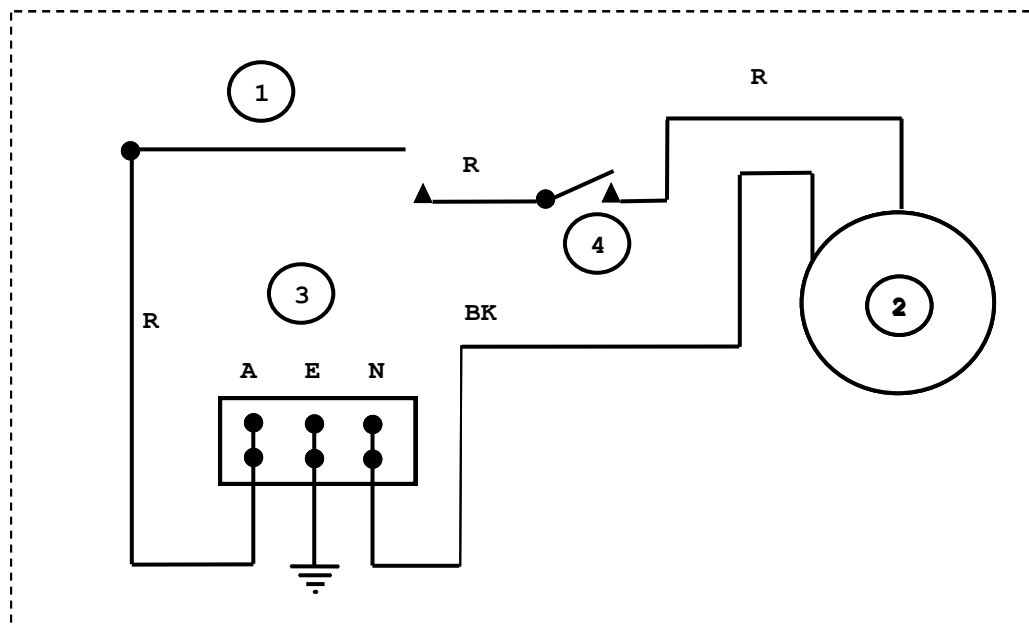
USER REPLACEABLE PARTS

- 39 27106-3 THERMOSTAT DIAL
- 55 9005-0 Rack, Oven - E136
- 55 2364-7 Rack, Oven - EV136



The Montaque Company
1830 Stearman Avenue, Hayward, California 94545





WIRE DIAGRAM
EV136-AUSTRALIA
240V 50HZ, 1PH

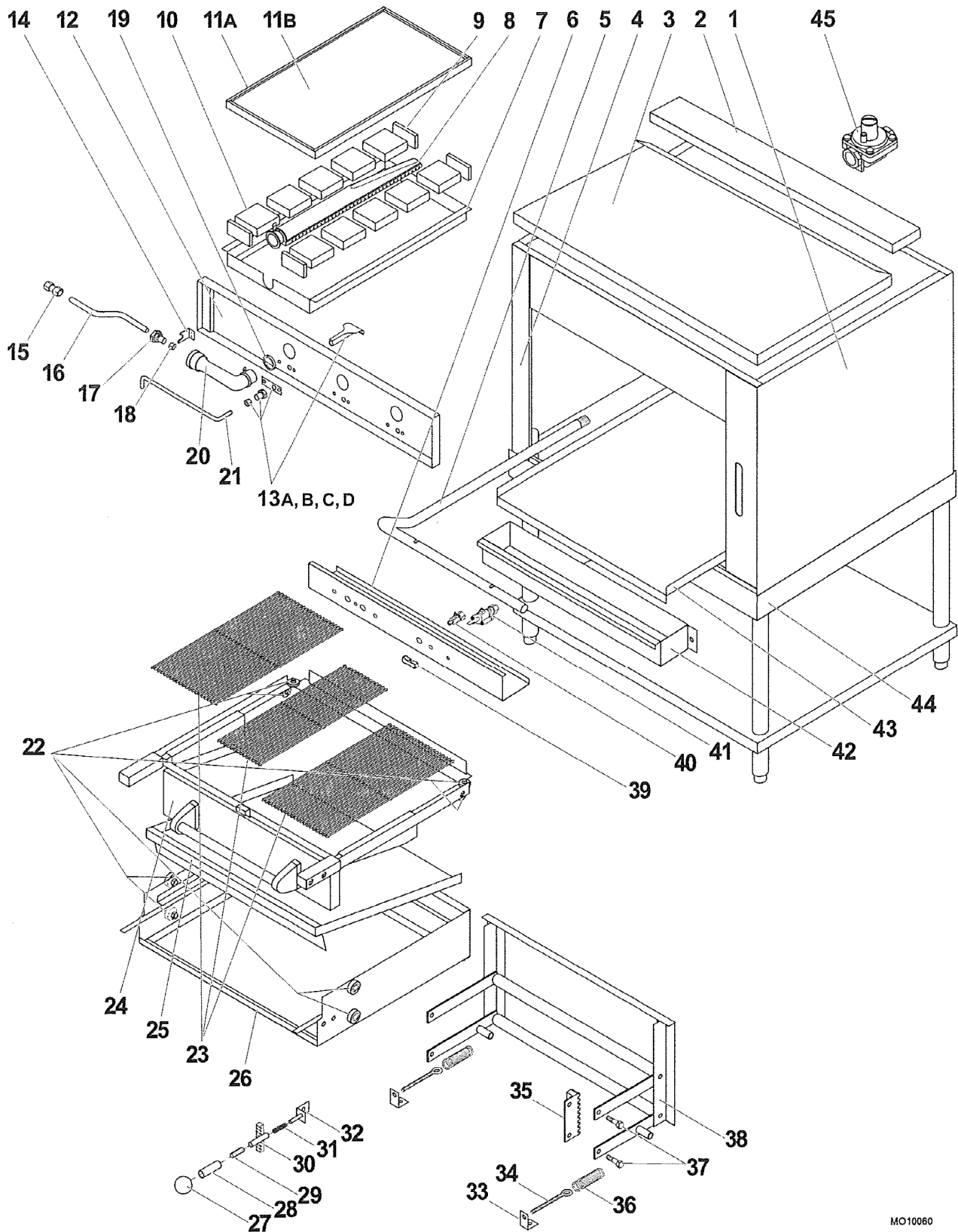
WIRE-TYPE: SIZE 18 GA, 200°C

ITEM	DESCRIPTION
1	SWITCH, FAN
2	MOTOR
3	TERMINAL BLOCK
4	SWITCH, DOOR

REPLACEMENT WIRES MUST BE OF SAME TYPE OR EQUIVALENT AS ORIGINAL.

02-13-09 REV A 46527-5

EC36 & EC45 EXPLODED VIEW

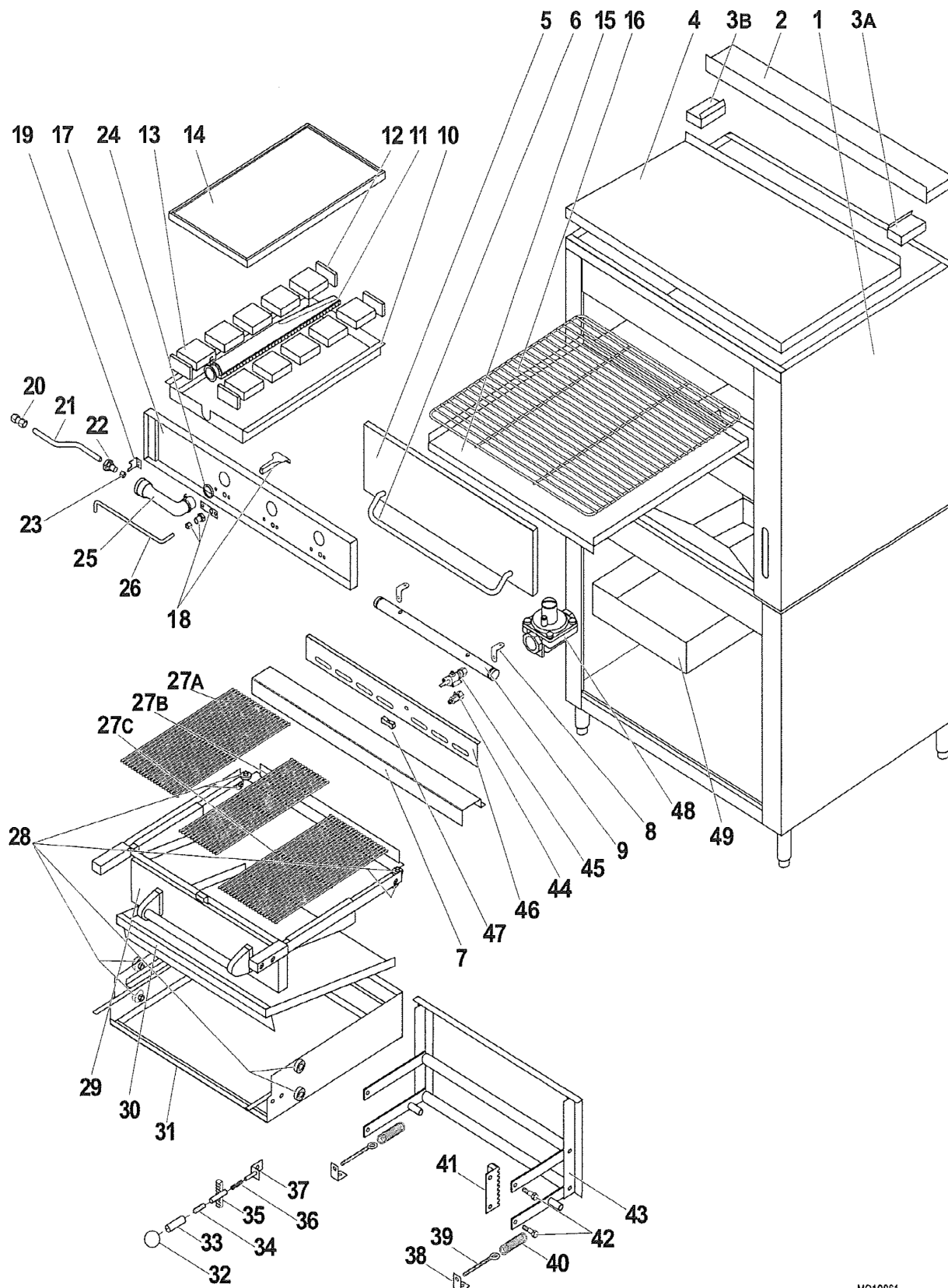


MO10060

ITEM	PART NUMBERS		DESCRIPTION
	EC36 E236W36	EC45 E243W36	
1	12925-9	12925-9	PANEL, RIGHT SIDE
2A	25442-8	25442-8	FLUE, RIGHT SIDE
2B	25440-1	25440-1	FLUE, LEFT SIDE
2C	12610-1	15391-5	FLUE DEFLECTOR
3	15355-9	15385-0	EXTERIOR TOP
4	12923-2	12923-2	PANEL, LEFT SIDE
5	42992-9	42992-9	MANIFOLD- FFV
6	43054-4	40566-3	VALVE CONTROL PANEL- FFV
7	42867-1	42867-1	FRAME, BURNER ASSEMBLY
8	26700-7	26700-7	BURNER w/ SET SCREW
9	11614-9	11614-9	INSULATOR, CERAMIC
10	11611-4	11611-4	CERAMIC, LARGE
10A	28387-8	28387-8	CERAMIC KIT (10 ea. 11611-4 Large Ceramics; 4 ea. 11614-9 Ceramic Insulators)
11A	15352-4	15383-4	HEAT SHIELD
11B	1430-3	1430-3	INSULATION
12	15182-3	15295-1	FIRE BOX FRONT ASSEMBLY
13A	41741-6	41741-6	PILOT ASSEMBLY w/ SHIELD
13B	26180-7	26180-7	PILOT INJECTOR - Natural Gas
13C	26181-5	26181-5	PILOT INJECTOR - G31
13D	26177-7	26177-7	THERMOCOUPLE - M9X1 X 1500MM
14	3397-9	3397-9	BRACKET, ORIFICE
15	1280-7	1280-7	UNION, TUBING
16	1252-1	1252-1	TUBING, STEEL, 7/16" OD 508MM
17	6378-9	6378-9	BURNER, ORIFICE HEX COMP. FITTING
18A	6150-6	6150-6	ORIFICE- NATURAL GAS
18B	6381-9	6381-9	ORIFICE- PROPANE GAS
19	20923-6	20923-6	GASKET, VENTURI
20	20924-4	20924-4	VENTURI, AIR MIXER ASSEMBLY
21	1224-6	1224-6	TUBING, ALUMINUM - 1/4" OD

ITEM	PART NUMBERS		DESCRIPTION
	EC36 E236W36	EC45 E243W36	
22	3396-0	3396-0	BEARING, w/ ASSEMBLY
23A	1601-2	1601-2	GRID, WIRE-LEFT; CHROME (PORCELAIN AVAILABLE)
23B	N/A	1602-0	GRID, WIRE-CENTER; CHROME (PORCELAIN AVAILABLE)
23C	1600-4	1600-4	GRID, WIRE-RIGHT; CHROME (PORCELAIN AVAILABLE)
24	38331-7	38040-7	GRID FRAME ASSEMBLY
25	15240-4	15328-1	DRIP DEFLECTOR
26	4655-8	4657-4	CARRIAGE ASSEMBLY
27	2033-8	2033-8	KNOB, BLACK BALL
28	3504-1	3504-1	HANDLE, SLEEVE
29	3506-8	3506-8	THREADED ROD
30	3503-3	3503-3	TUBE AND GEAR ASSEMBLY
31	32756-5	32756-5	SPRING, HANDLE
32	14442-8	14442-8	HANDLE ASSEMBLY BRACKET
33	15244-7	15244-7	CARRIAGE SPRING MTG BRACKET
34	1938-0	1938-0	EYE BOLT
35	3507-6	3507-6	GEAR w/ ANGLE BRACKET
36	34258-0	2034-6	CARRIAGE SPRING
37	28365-7	28365-7	CARRIAGE BOLT
38	13096-6	13101-6	STABILIZER UNIT ASSEMBLY
39	43476-0	43476-0	VALVE HANDLE w/o RING
40	40415-2	40415-2	FLAME FAILURE VALVE ASSY
40	43475-2	43475-2	FLAME FAILURE VALVE (NO FITTINGS)
42A	6604-4	6604-4	HORIZONTAL GREASE CONTAINER - PTD
42B	6603-6	6603-6	HORIZONTAL GREASE CONTAINER - S/S
43	15246-3	15366-4	DRIP TRAY
44	39097-6	40899-9	STAND, MODULAR- S/S
45A	14605-6	14605-6	GAS PRESSURE REGULATOR - NATURAL GAS
45B	1040-5	1040-5	GAS PRESSURE REGULATOR - PROPANE GAS

E36W36 & E43W36 EXPLODED VIEW

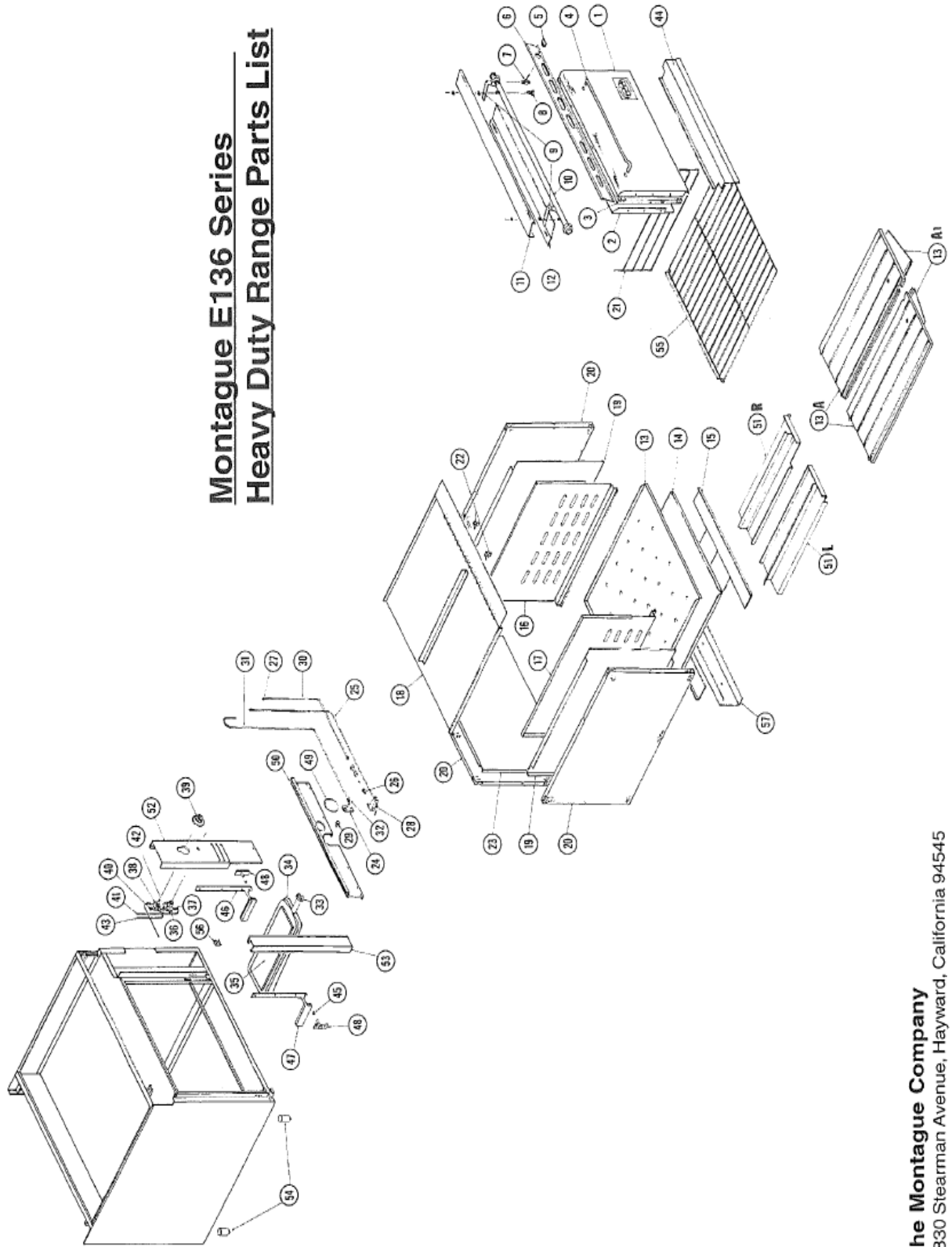


MO10061

ITEM	PART NUMBERS		DESCRIPTION
	E36W36	E43W36	
1	15168-8	15287-0	PANEL, BACK AND SIDE
2	15233-1	32069-2	FALSE TOP, REAR
3A	15238-2	32075-7	FLUE, LEFT SIDE
3B	15239-0	32076-5	FLUE, RIGHT SIDE
4	15232-3	15232-3	FALSE TOP, FRONT
5	15609-4	31642-3	DOOR ASSEMBLY
6	3173-9	3173-9	HANDLE
7	15187-4	15305-2	GUARD RAIL ASSEMBLY
8	27394-5	27394-5	VALVE PANEL BRACKET
9	CALL	CALL	MANIFOLD- FFV
10	42687-1	42687-1	FRAME BURNER ASSEMBLY
11	26700-7	26700-7	BURNER w/ SET SCREW
12	11614-9	11614-9	CERAMIC INSULATOR
13	11611-4	11611-4	CERAMIC, LARGE
13A	28387-8	28387-8	CERAMIC KIT (10 ea. 11611-4 Large Ceramics; 4 ea. 11614-9 Ceramic Insulators)
14	15359-1	15359-1	HEAT SHIELD
15	15223-4	31645-8	OVEN BOTTOM LINER
16	1604-7	1579-2	WIRE RACK
17	15182-3	15295-1	FIRE BOX FRONT ASSEMBLY
18A	41741-6	41741-6	PILOT ASSEMBLY W/ SHIELD
18B	26180-7	26180-7	PILOT INJECTOR - NATURAL GAS
18C	26181-5	26181-5	PILOT INJECTOR - PROPANE GAS
18D	26177-7	26177-7	THERMOCOUPLE - M9X1 X1500MM
19	3397-9	26177-7	ORIFICE BRACKET ASSEMBLY
20	1280-7	1280-7	UNION, TUBING
21	1252-1	1252-1	TUBING STEEL - 7/16" OD X 508MM
22	6378-9	6378-9	HEX COMP. FITTING ASSEMBLY
23A	6150-6	6150-6	ORIFICE - NATURAL GAS
23B	6381-9	6381-9	ORIFICE - PROPANE GAS
24	20923-6	20923-6	GASKET, VENTURI

ITEM	PART NUMBERS		DESCRIPTION
	E36W36	E43W36	
25	20924-4	20924-4	VENTURI, AIR MIXER ASSY
26	1231-9	1231-9	TUBING, ALUMINUM
27A	1601-2	1601-2	GRID, WIRE-LEFT; CHROME (PORCELAIN AVAILABLE)
27B	N/A	1602-0	GRID, WIRE-CENTER; CHROME (PORCELAIN AVAILABLE)
27C	1601-2	1601-2	GRID, WIRE-RIGHT; CHROME (PORCELAIN AVAILABLE)
28	3396-0	3396-0	BEARING ASSEMBLY
29	32376-4	38040-7	GRID FRAME ASSEMBLY/BEARING
30	15240-4	15328-1	DRIP DEFLECTOR
31	4660-4	4661-2	CARRIAGE ASSEMBLY
32	2033-8	2033-8	KNOB, BLACK BALL
33	3504-1	3504-1	SLEEVE
34	3506-8	3506-8	THREADED ROD
35	3503-3	3503-3	TUBE AND GEAR ASSEMBLY
36	23753-1	23753-1	SPRING, HANDLE
37	14442-8	14442-8	HANDLE ASSEMBLY BRACKET
38	15244-7	15244-7	BRACKET, CARRIAGE SPRING
39	1938-0	1938-0	EYE BOLT
40	34258-0	2034-6	CARRIAGE SPRING
41	3507-6	3507-6	GEAR, w/ ANGLE BRACKET
42	28365-7	28365-7	CARRIAGE BOLT
43	13108-3	13109-1	STABILIZER UNIT ASSEMBLY
45	40415-2	40415-2	FLAME FAILURE VALVE ASSY
45	43475-2	43475-2	FLAME FAILURE VALVE (NO FITTINGS)
46	CALL	CALL	PANEL, VALVE CONTROL
47	43476-0	43476-0	VALVE HANDLE W/O RING
48A	14605-6	14605-6	REGULATOR, GAS PRESSURE - NATURAL GAS
48B	1040-5	1040-5	REGULATOR, GAS PRESSURE - PROPANE GAS
49	4291-9	4291-9	GREASE DRAWER, 14" x 26 1/2" x 4"

Montague E136 Series Heavy Duty Range Parts List



The Montague Company
1830 Stearman Avenue, Hayward, California 94545

<u>Item</u>	<u>Part #</u>	<u>Description</u>
1	8955-9	Door Panel, Ext. - ptd (w/ nameplate)
1	7644-9	Door Panel, Ext. - S/S (w/ nameplate)
1	6134-4	Door Panel, Ext. - ptd (w/ embossed "M")
1	6135-2	Door Panel, Ext. - S/S (w/ embossed "M")
2	1548-2	Door Panel, Int., (prior 8/84)
2	2428-7	Door Panel, Int., (post 8/84)
3	1424-9	Insulation, Door
4	3173-9	Handle, Door
5	2004-4	Handle, Main Oven Valve
6	3566-1	Valve Panel - 36" S/S (specify width)
6	4576-4	Valve Panel - 34" S/S (frytop models only)
7	1056-1	Valve, Oven - 1/4" NPTM x 7/16" cc (new style)
7	4490-3	Valve, Oven - 9/16"-27 x 7/16" cc (old style)
8	1288-2	Pilot Fitting - 1/8" NPT x 1/4" tube
9	6137-9	Bracket, Valve Panel
10	1073-1	Manifold - 36", Comb. (order by length & model)
11	6860-8	Guard Rail - 36", S/S (post 1/85- consult factory)
12	4285-4	Manifold Drip Shield (specify length)
13	1547-4	Oven Bottom - Porcelain (change #17)
13	9051-4	Oven Bottom - Porcelain (change #18)
13A	4387-7	Oven Bottom- Cast Iron (sold as pair)
13A1	7987-4	Heat Deflector for 13A bottom
14	4601-9	Heat Deflector
15	6593-5	Burner Baffle, S/S
16	9044-1	Side Liner, Oven - Right (change #18)
17	9043-3	Side Liner, Oven - Left (change #18)
18	1538-5	Top Liner, Oven - Porcelain
19	12874-0	Interior Liner - Left & Right (with stiffener)
20	12894-5	Insulation, Oven - Left, Right & Rear
21	7223-0	Rack Guide - Left or Right
22	1942-9	Clip, Thermostat Bulb
23	1536-9	Rear Liner, Oven - Porcelain
24	6149-2	Bracket, Orifice Fitting - Oven
25	1013-8	Thermocouple Please Order by # and Des.
26	2190-3	Orifice, Oven Pilot (Nat. Gas)
26	2191-1	Orifice, Oven Pilot (LP Gas)
27	6155-7	Compression Nut & Ferrel - 1/4" tube
28	1017-0	Pilot Burner (Nat. Gas)
28	1018-9	Pilot Burner (LP Gas)
29	6150-6	Orifice, Main Burner (Nat. Gas)
29	6151-4	Orifice, Main Burner (LP Gas)
30	3604-8	Tubing - 1/4" (safety valve to pilot burner)
31	3602-1	Tubing - 7/16" (thermostat to burner - 42")
32	2412-0	Elbow Assembly w/ Orifice (Nat. Gas)
32	1015-4	Elbow Assembly w/ Orifice (LP Gas)
33	2037-0	Air Mixer, Oven Burner
34	6350-9	Burner, Oven (new style less pilot mount)
35	9518-4	Baffle, Main Oven Burner
36	34604-7	Safety Valve, Pilot
37	1277-7	Fitting - 1/4" tube (tapered, compression)
38	1061-8	Thermostat, FDTO (with dial 500)
39	1977-1	Dial, FDTO Thermostat
40	1287-4	Fitting 3/8" NPT x 7/16" tube
41	3600-5	Tubing 7/16" (main valve to safety - change #8)
42	1150-9	Nipple, Pipe - 3/8" x 2"
43	3605-5	Tubing 1/4" (manifold to safety valve)
44	3459-2	Panel, Firebox - Ptd (change #14- clip style)
44	3524-6	Panel, Firebox - S/S (change #14- clip style)
45	1260-2	Spacer, Door Pin
46	6077-1	Door Trunnion- Right
47	6979-8	Door Trunnion- Left
48	3393-6	Pin, Oven Door
49	4274-9	Door, Pilot Access
50	4275-7	Burner Compartment Front
51L	6346-0	Baffle, Air - Left
51R	6348-7	Baffle, Air - Right
52	4645-0	Panel, Right Front Control - Ptd (after 9/70)
52	4610-8	Panel, Right Front Control - S/S (after 9/70)
53	4288-9	Panel, Left Front Control - Ptd (after 9/70)
53	4286-2	Panel, Left Front Control - S/S (after 9/70)
54	3468-1	Leg - 6" Ptd
54	3467-3	Leg - 6" S/S
55	9005-0	Rack , Oven - 25 5/8" x 26"
56	6926-4	Catch, Spring (female)
57	7584-1	Support, Channel