

INSTRUCTION MANUAL



LEGEND GAS FIRED HEAVY DUTY RANGES

12	M12	124 & 136 SERIES
18	M18	V136 SERIES
24	M24	
36 SERIES	M36 SERIES	



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.

The MONTAGUE Company

1830 Stearman Ave. • P.O.Box 4954 • Hayward, CA 94540-4954

Tel: 510/785-8822

Fax: 510/786-9931

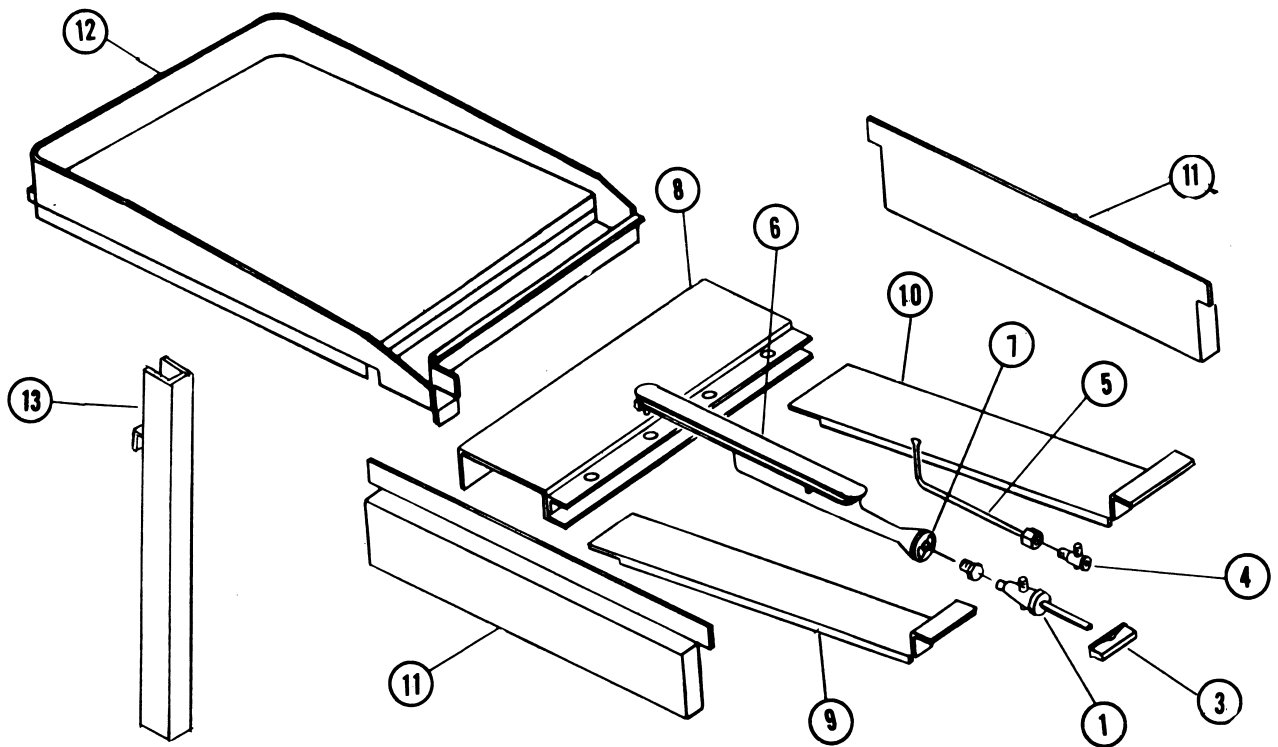
1-888-875-2722

WWW.MONTAGUECOMPANY.COM

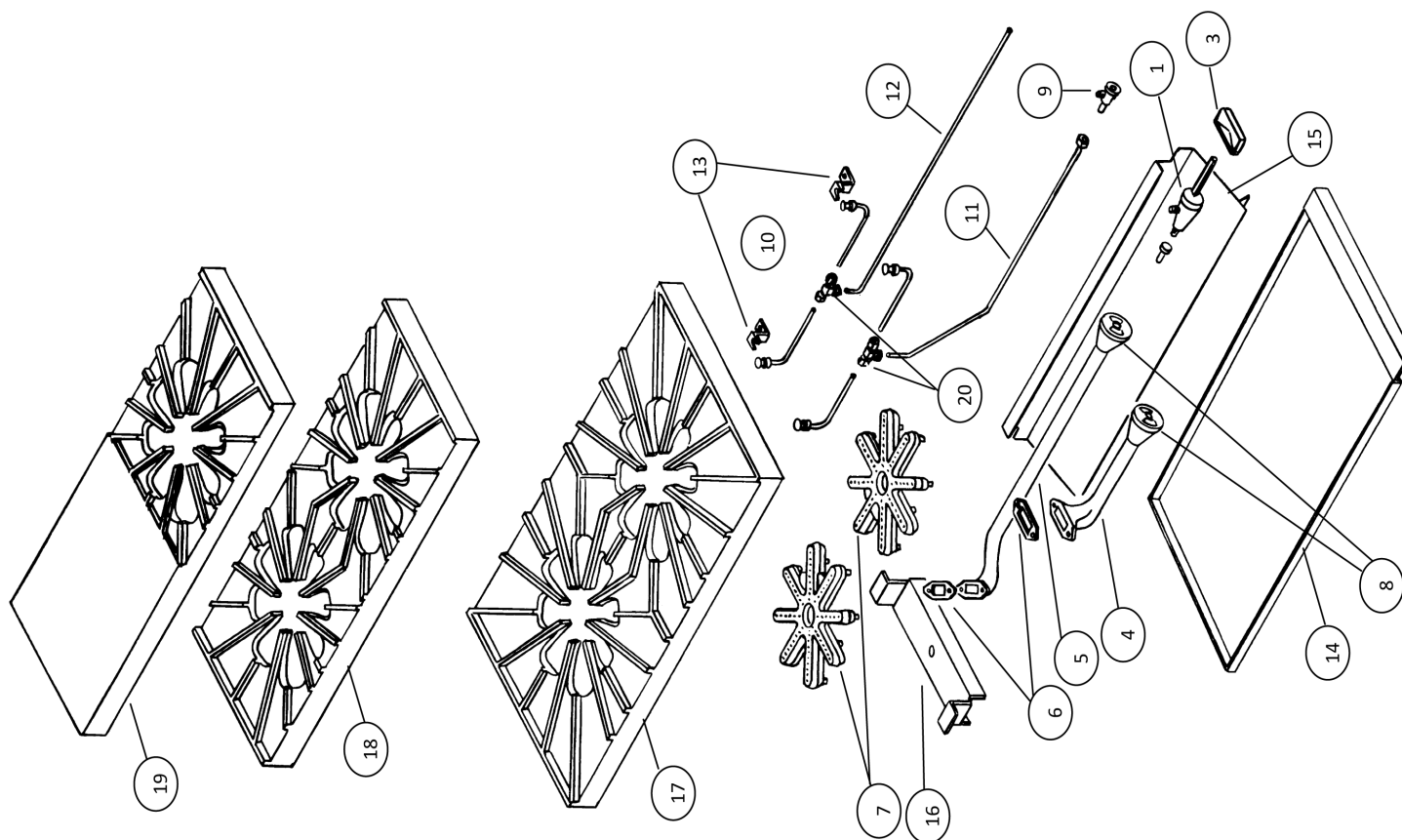
This exploded view diagram illustrates the assembly of a mechanical device, likely a door or panel. The components are numbered 1 through 29. The main parts include a large rectangular frame (28), a central panel (21), and a base plate (20). The assembly involves various fasteners, including screws (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29), bolts (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29), and springs (9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29). The diagram shows the spatial relationship between these parts, indicating how they fit together to form the complete assembly.

30

Heavy Duty Fry Top (2)



ITEM	PART NO.	DESCRIPTION
1	01002-2	Valve, Top Burner - L.P.
3	02002-8	Handle, Valve w/ Set Screw
4	01055-3	Valve, Pilot
5	03416-9	Pilot Lighter
6	03361-8	Burner- Complete
7	02038-9	Air Mixer
8	03559-9	Support, Burner - 36" Unit
8	03541-6	Support, Burner - 24" Unit
8	01726-9	Support, Burner - 18" Unit
8	03096-1	Support, Burner - 12" Unit
9	03533-5	Baffle- Air Assy 3 1/8" Small
10	03540-8	Baffle- Air Assy 5 1/8" Medium
11	03560-2	Baffle- Heat Assy
12		Frytop
13	03368-5	Container, Grease- Painted
13A	02150-4	Container, Grease- Chromed



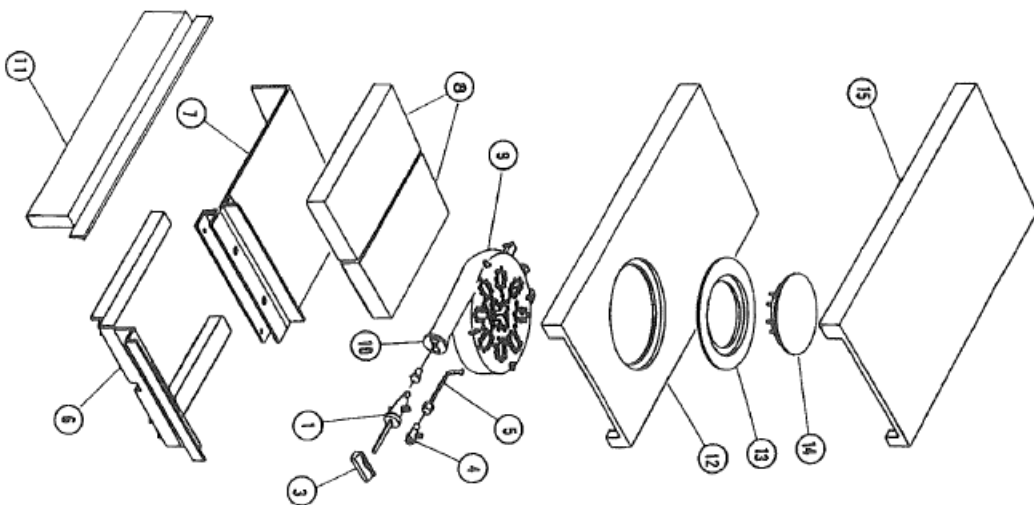
ITEM	PART NO.	DESCRIPTION
1	04330-3	Valve, Top Burner (Nat) *Except 1/2 Hot Top
1	01003-0	Valve, Top Burner (LP) *Except 1/2 Hot Top
1	02405-8	Valve, Top Burner (Nat) *1/2 Hot Top Only
1	01002-2	Valve, Top Burner (LP) *Except 1/2 Hot Top
3	02002-8	Handle, Valve w/ Set Screw
4	03348-0	Venturi, Front Burner
4, 6, 7, 8	03347-2	Burner, Front - Complete
5	03350-2	Venturi, Rear Burner (Left Wing shown)
5, 6, 7, 8	03349-9	Burner, Rear Left - Complete
5A, 6, 7, 8	03351-0	Burner, Rear Right - Complete (not shown)
6	02115-6	Gasket
7	03346-4	Burner Head Only
8	02038-9	Air Mixer
9	01055-3	Pilot Valve
10	03583-1	Lighter, Pilot
10, 11, 20	03431-2	Pilot Kit - 12" Section (less valve)
10, 12, 20	03430-4	Pilot Kit - 18" Section (less valve)
20, 21, 22	07142-0	Pilot Kit - 12" -59 Section (less value)
13	01518-0	Pilot Bracket
14	03379-0	Drip Tray - 36" unit ***
14	03378-2	Drip Tray - 24" unit ***
14	03377-4	Drip Tray - 18" & "12" unit ***
15	03380-4	Drip Tray Guide
16	03498-3	Support, Open Burner 36" Unit ***
16	03530-0	Support, Open Burner 24" Unit ***
16	03531-9	Support, Open Burner 18" Unit ***
16	03532-7	Support, Open Burner 12" Unit ***
17	03480-0	18" Open Top
18	03580-7	12" Open Top
19	03482-7	12" Combination -59 Top (1/2 Hot Top)
22	06232-4	Lighter, Pilot
23	03556-4	Bracket, Pilot MTG (-59 Top)

* Specify Type of Gas & Manifold Pressure

** Specify Left or Right Swing

***Specify Width

MONTAGUE HEAVY DUTY GAS RANGE
HOT TOP SECTION 18" WIDE FRONT FIRED



PLEASE ORDER BY PART NO. AND DESCRIPTION

ITEM	PART NO.	DESCRIPTION
1	02408-2	Valve, Top Burner - Nat.
2	02405-8	Valve, Top Burner - LP
3	02002-8	Handle, Valve w/Set Screw
4	01055-3	Valve, Pilot
5	03419-3	Pilot Lighter
6	04412-1	Baffle-Air Assy - 36" Unit
7	04414-8	Baffle-Air Assy - 18" Unit
8	04281-1	Burner & Brick Support - 36" Unit
9	04298-6	Burner & Brick Support - 18" Unit
10	01764-7	Brick (1-1/4 x 8 x 13)
11	03356-1	Burner, 18" Hot Top - Complete (Right Swing)
12	03355-3	Burner, 18" Hot Top - Complete (Left Swing) Not Shown
13	02037-0	Air Mixer
14	03560-2	Insulated Side Shield
15	01743-4	Hot Top - 18" W/Ring & Cover
16	01745-0	Hot Top - 18" - Solid
17	01747-7	Hot Top - 18" - Solid
18	01741-8	Hot Top - 18" - Solid

- Specify Gas & Manifold Pressure
 Specify Swing
 Specify Width

No. 105C-1 1186

MONTAGUE HEAVY DUTY GAS RANGE
HOT TOP SECTION 12" WIDE FRONT FIRED

PLEASE ORDER BY PART NO. AND DESCRIPTION

ITEM	PART #	DESCRIPTION
1	02406-6	Valve, Top Burner - Nat
3	01003-0	Valve, Top Burner - Lp
3	02002-8	Handle, Valve W/Set Screws
4	01055-3	Valve, Pilot
5	03421-5	Pilot Lighter
6	04239-4	Burner Support W/Insulation - 36"
6	04284-6	Burner Support W/Insulation - 24"
6	04283-8	Burner Support W/Insulation - 12"
7	-----	Insulation Pad
9	03353-7	Burner, 12" Hot Top
10	02038-9	Air Mixer
11	01635-7	Baffle, Burners - Cast Iron
12	-----	Manifold Shield W/Stops
13	03560-2	Insulated Side Shield
14	01738-8	Hot Top - 12" Section

3 Specify Gas & Manifold Pressure

6 Specify Width

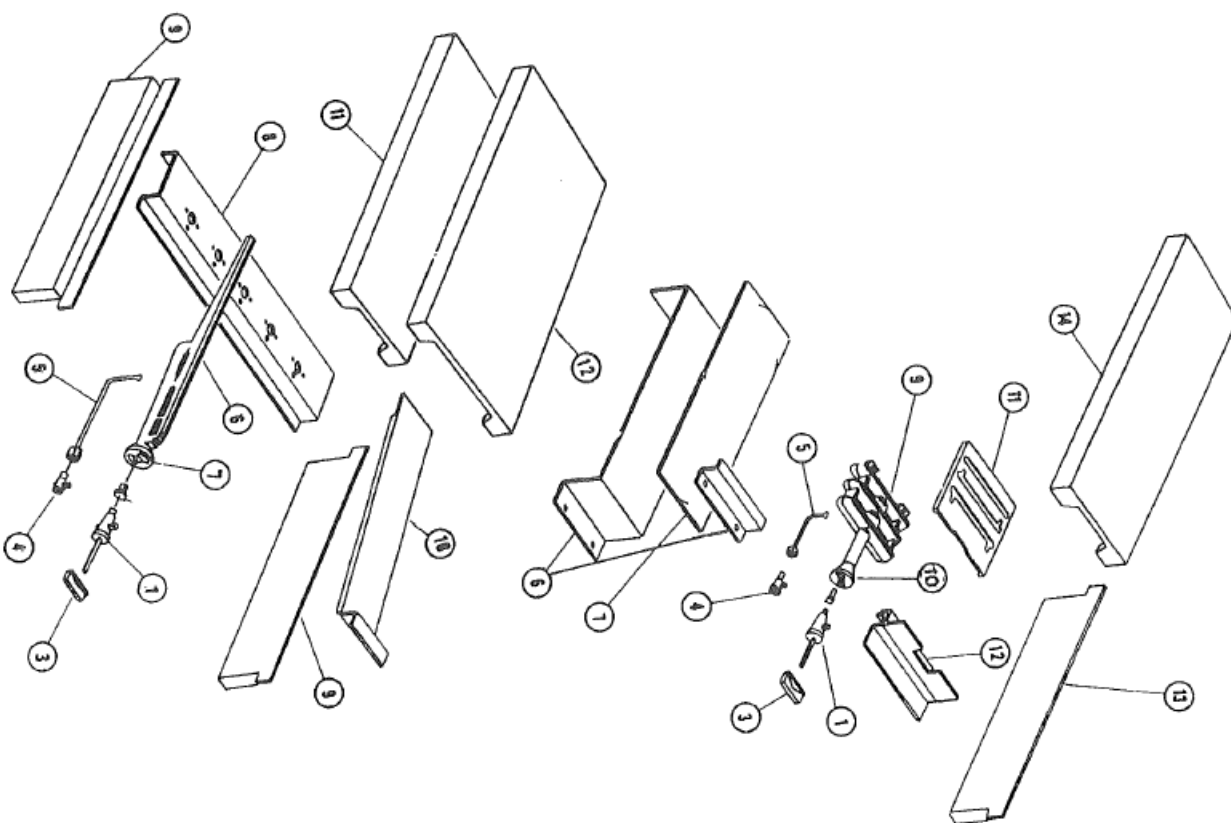
MONTAGUE HEAVY DUTY GAS RANGE
HOT TOP SECTION - EVEN HEAT 12" AND 18" WIDE

PLEASE ORDER BY PART NO. AND DESCRIPTION

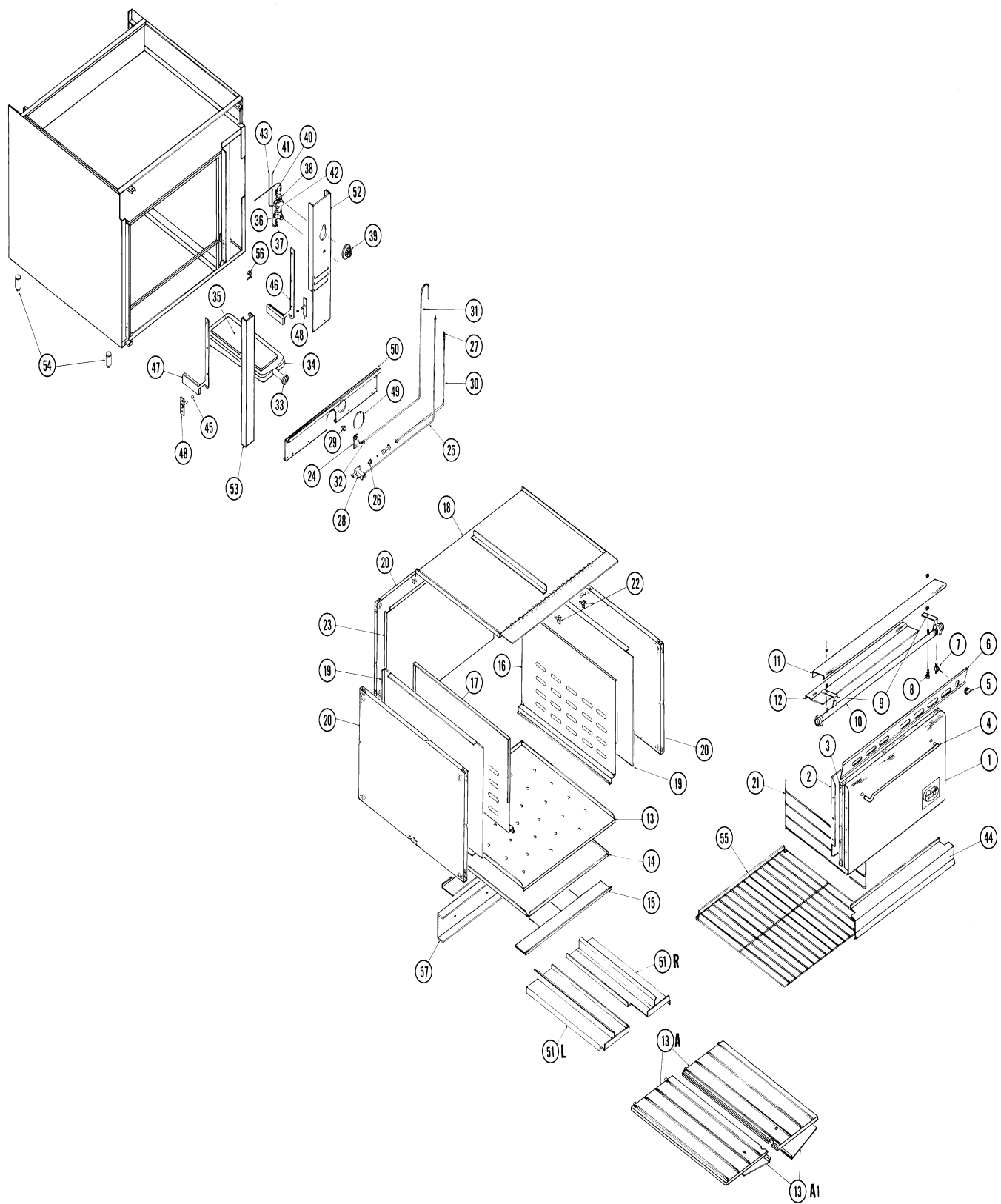
ITEM	PART NO.	DESCRIPTION
1	04330-3	Valve, Top Burner - Nat
1	01003-0	Valve, Top Burner - Lp
3	02002-8	Handle, Valve W/Set Screw
4	01055-3	Valve, Pilot
5	03416-9	Pilot Lighter
6	03562-6	Burner, Even Heat Hot Top - Complete
7	02037-0	Air Mixer
8	10628-3	Support, Burner - 36"
8	04468-7	Support, Burner - 24"
8	10629-1	Support, Burner - 18"
9	07133-1	Support, Burner - 12"
10	03560-2	Baffle - Heat Assy.
10	03531-5	Baffle - Air Assy. 3-1/8"wide
11	03538-6	Baffle - Air Assy. 9-1/4"wide
11	01738-8	Hot Top, 12" Section
12	01741-8	Hot Top, 18" Section

3 Specify Gas & Manifold Pressure

6 Specify Width



124 & 136XLB EXPLODED VIEW



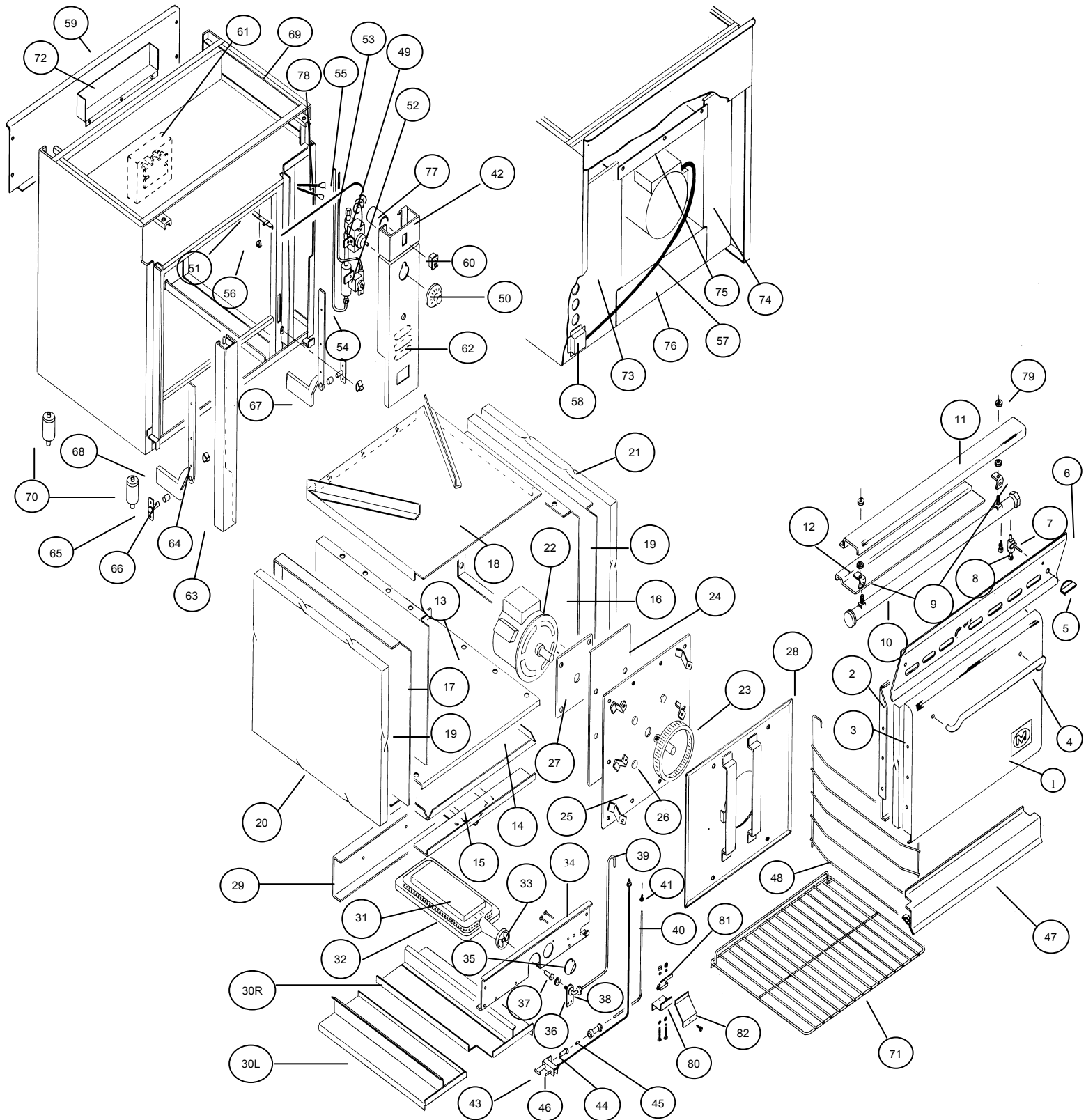
Heavy Duty 136 Series

124 & 136XLB Series Only

Item	Part #	Description
1.....	06135-2	Door Panel, Exterior - S/S
2.....	11794-3	Door Liner, Interior
3.....	01424-9	Insulation, Door
4.....	11776-5	Handle, Door (25 Inches)
5.....	38485-2	Handle, Main Oven Valve
6.....	38286-8	Valve Panel - 36", S/S
6.....	38935-8	Valve Panel - 34" (Frytop)
7.....	36174-7	Valve Oven (3/8 NPT x 7/16CC)
8.....	36142-9	Pilot Shutoff (1/8 NPT x 1/4CC)
9.....	06137-9	Bracket, Valve Panel
10.....	36268-9	Manifold, 36" (Order by model)
10.....	33763-3	Manifold, 36" w/ 1" RC
11.....	19773-4	Guard Rail, 36" S/S
11.....	19775-0	Guard Rail, 34" S/S
12.....	04285-4	Drip Shield, Manifold
13.....	09051-4	Oven Bottom, Porcelain
13A.....	04387-7	Oven Bottom, Cast Iron (Pair)
13A1.....	07987-1	Heat Deflector, for 13A Bottom
14.....	04601-9	Heat Deflector
15.....	06593-5	Burner Baffle, S/S
16.....	09044-1	Side Liner, Oven - Right
17.....	09043-3	Side Liner, Oven - Left
18.....	01538-5	Top Liner, Oven - Porcelain
19.....	12874-0	Interior Liner, Left & Right (W/ Stiffener)
20.....	12894-5	Insulation, Oven - Left, Right & Rear
21.....	07223-0	Rack Guide - Left or Right
22.....	01942-9	Clip, Thermostat Bulb
23.....	01536-9	Rear Liner, Oven - Porcelain
24.....	06149-2	Bracket, Orifice Fitting - Oven
25.....	01013-8	Thermocouple 30"
26.....	34177-0	Orifice, Oven Pilot (Nat. Gas)
26.....	02191-1	Orifice, Oven Pilot (L.P. Gas)
27.....	06155-7	Compression Nut & Ferrell - 1/4" Tube
28.....	23218-1	Oven Pilot Burner (Nat. Gas)
28.....	23220-3	Oven Pilot Burner (L.P. Gas)
29.....	02361-2	Orifice, Main Burner (Nat. Gas)
29.....	06151-4	Orifice, Main Burner (L.P. Gas)
30.....	03604-8	Tubing 1/4" (Safety Valve to Pilot Burner)
31.....	03602-1	Tubing 7/16" (Thermostat to Burner-42")
32.....	31050-6	Elbow Assy. W/Orifice (Nat. Gas)
32.....	06153-0	Elbow Assy. W/Orifice (L.P. Gas)
33.....	02037-0	Air Mixer, Oven Burner
34.....	06349-5	Burner Assembly, Oven (Nat. Gas)
34.....	06350-9	Burner Assembly, Oven (L.P. Gas)
35.....	09518-4	Baffle, Main Oven Burner
36.....	34604-7	Safety Valve, Pilot
37.....	01277-7	Compression Fitting, Tapered - 1/4" Tube
38.....	01061-8	Thermostat, FDTO (500 degrees)
39.....	01977-1	Thermostat Dial (FDTO)
40.....	01287-4	Male Fitting, 3/8 NPT x 7-16CC
41.....	03600-5	Tubing 7/16" (Manifold to Safety)
42.....	01150-9	Nipple, Pipe - 3/8" NPT x 2
43.....	03605-6	Tubing 1/4" (Manifold to Safety Valve)
44.....	28584-6	Panel, Firebox S/S (Hinged Option)
45.....	01260-2	Spacer, Door Pin
46.....	06077-1	Door Trunnion - Right
47.....	06979-8	Door Trunnion - Left
48.....	03393-6	Pin, Oven Door - Right & Left
49.....	04274-9	Door, Pilot Access
50.....	04275-7	Burner Compartment Front
51L.....	06346-0	Baffle, Air - Left
51R.....	06348-7	Baffle, Air - Right
52.....	34146-0	Panel, Right Front Control - S/S
53.....	19780-7	Panel, Left Front
54.....	28441-6	Leg - 6" S/S
55.....	09005-0	Rack, Oven - 25-5/8" x 26"
56.....	06926-4	Catch, Spring (female)
57.....	07584-1	Channel, Support

Item	Part #	Description
1.....	31081-6	Door Panel, Ext. - S/S; 136XLB
1.....	31679-2	Door Panel, Ext. - S/S; 124 Series (w/o Logo)
2.....	32536-8	Door Panel, Int. - Porcelain; 124 Series
2.....	31680-6	Door Panel, Int. - Opt. S/S. 124 Series
2.....	32611-9	Door Panel, Int. - Porcelain; 136XLB
2.....	31067-0	Door Panel, Ext. - S/S; Opt. 136XLB
3.....	07631-7	Insulation, Door - 124 Series
3.....	32612-7	Insulation, Door - 136XLB
.....	32623-2	Door Assembly - 136XLB (w/o handle) Porc.
.....	32522-8	Door Assembly - 136XLB (w/o handle) S/S
.....	32738-7	Door Assembly - 124 Series (w/o handle)
4.....	11805-2	Handle, Door - 124 Series
6.....	31686-5	Valve Panel - 24" S/S; 124 Series
8.....	32739-5	Valve, Pilot Shutoff - (1/8 NPT x 1/4CC) 124
10.....	32691-7	Manifold - 124 Series (order by model)
11.....	06913-2	Guard Rail - S/S; 124 Series (w/o hardware)
12.....	32585-6	Manifold Drip Shield Assy. - 124-5, 559
13.....	32539-2	Oven Bottom - Porcelain; 124 Series
13.....	31684-9	Oven Bottom - Opt. S/S; 124 Series
15.....	32630-5	Burner Baffle - S/S; 124 Series
16.....	32600-3	Side Liner, Oven Rt - Porcelain 136XLB
16.....	32527-9	Side Liner, Oven Rt - S/S 136XLB
17.....	32599-6	Side Liner, Oven Lt - Porcelain 136XLB
17.....	32526-0	Side Liner, Oven Lt - S/S 136XLB
18.....	32605-4	Top Liner, Oven - Porcelain; 136XLB
18.....	32528-7	Top Liner, Oven - S/S; 136XLB
18.....	32545-7	Top Liner, Oven - Porcelain; 124 Series
18.....	32703-4	Top Liner, Oven - S/S; 124 Series
19.....	31079-4	Interior Liner, Lt/Rt; 136XLB
.....	32463-9	Spacer
19.....	32709-3	Liner Spacer - S/S; 124 Series
21.....	32530-9	Rack Guide - Lt/Rt
23.....	32608-9	Rear Liner, Oven - Porcelain; 136XLB
23.....	31072-7	Rear Liner, Oven - S/S; 136XLB
23.....	32542-2	Rear Liner, Oven - Porcelain; 124 Series
23.....	31685-7	Rear Liner, Oven - Opt. S/S; 124 Series
29.....	04338-9	Orifice, Main Burner - 136XLB Oven (Nat)
29.....	02257-0	Orifice, Main Burner - 136XLB Oven (L.P.)
30.....	01225-4	Tubing - 1/4" ; 124 Series (Safety to Pilot)
31.....	15909-3	Tubing - 3/8" ; 124 Series (T-stat to Safety)
32.....	22903-2	Elbow Assy. w/orifice - 136XLB Oven (Nat)
32.....	32723-9	Elbow Assy. w/orifice - 136XLB Oven (L.P.)
32.....	14610-2	Elbow Assy. w/orifice - 124 Series (Nat.)
32.....	02586-0	Elbow Assy. w/orifice - 124 Series (L.P.)
34.....	03361-8	Burner, Oven - 124 Series
36.....	29766-6	Safety Valve Assembly - 124 Series
38.....	11810-9	Thermostat, BJWA - 124 Series
39.....	32706-9	Dial, Oven Thermostat - BJWA ; 124 Series
40.....	01281-5	Fitting - 3/8"NPT x 3/8"CC - 124 Series
43.....	01229-7	Tubing - 1/4" ; 124 Series
44.....	28584-6	Panel, Firebox - S/S (P/N 3524-6 w/ Hinge)
44.....	32657-7	Panel, Firebox - S/S ; 124 (Includes Hinge)
46.....	32523-6	Door Trunnion, Rt. - 136XLB
46.....	07628-7	Door Trunnion, Rt. - 124 Series
47.....	32524-4	Door Trunnion, Lt. - 136 XLB
47.....	07627-9	Door Trunnion, Lt. - 124 Series
49.....	11854-0	Door, Pilot Access - 124 Series & 136XLB
50.....	11856-7	Burner Compartment Front
51L.....	14202-6	Baffle, Air - Left; 124 Series
51R.....	14135-6	Baffle, Air - Right; 124 Series
52.....	32748-4	Panel, Right Front - 124 Series
52.....	34753-1	Panel, Control - 136XLB
53.....	32747-6	Panel, Left Front - 124 Series
53.....	32388-8	Panel, Left Front - 136XLB
55.....	11615-7	Rack, Oven - 124 Series; 25-5/8" x 15-9/16"
57.....	31691-1	Support, Channel - 124 Series

V136 EXPLODED VIEW



Heavy Duty 136 Series Parts List

Heavy Duty 136 Series Parts List

Item	Part #	Description
1.....	06135-2	Door Panel, Exterior - S/S
2.....	11794-3	Door Liner, Interior
3.....	01424-9	Insulation, Door
4.....	11776-5	Handle, Door (25 Inches)
5.....	38485-2	Handle, Main Oven Valve
6.....	38286-8	Valve Panel - 36", S/S
6.....	38935-8	Valve Panel - 34" (Frytop)
7.....	36174-7	Valve Oven (3/8 NPT x 7/16CC)
8.....	32739-5	Connector—Male, 1/8 NPTM x 1/4 CC
9.....	06137-9	Bracket
10.....	36268-9	Manifold, 36"
11.....	19773-4	Guard Rail, 36" S/S
11.....	19775-0	Guard Rail, 34" S/S
12.....	37604-3	Shield- Drip, Manifold
.....	37610-8	Shield- Drip, Manifold RC
13.....	02426-0	Liner- Bottom, Oven Interior
14.....	06138-7	Baffle—Heat Assembly
15.....	06139-5	Baffle- Flame
16.....	02430-9	Liner—Side Right, Oven Interior
17.....	02433-3	Liner—Side Left, Oven Interior
18.....	01538-5	Liner—Top, Oven Interior
19.....	06140-9	Liner, Insulation—Left & Right Assembly
20.....	06141-7	Insulation, Side—Left
21.....	06142-5	Insulation, Side—Right
22.....	6382-7	Motor (Baldor) 1/4 HP 115/230V; 1PH; 60CY
23.....	02123-7	Blower Wheel
24.....	6339-8	Insulation (used w/ 6265-0 & 2167-9)
25.....	06337-1	Plate Assembly—Motor Mtg Rear (used w/ 06265-0)
26.....	01945-3	Screw, weld 5/16—18 x 1-1/2
27.....	06333-9	Plate, Motor- Spacer (used w/ 06265-0)
28.....	02431-7	Baffle—Rear Fan
29.....	06144-1	Support—Channel
30L.....	06346-0	Baffle—Air, Lt
30R.....	06348-7	Baffle— Air, Rt
31	03344-8	Baffle— Air
32.....	06349-5	Burner Assembly (Complete) - Nat. Gas
.....	06350-9	Burner Assembly (Complete) - L.P.
33.....	40560-4	Air Mixer
34.....	06147-6	Front, Burner Compartment
35.....	6148-4	Door, Pilot Access
36.....	2361-2	Bracket- Orifice Fitting
37.....	2361-2	Orifice Hood—Natural (4.0" W.C.)
.....	06151-4	Orifice Hood—L.P. (10.0" W.C.)
38.....	31050-6	Orifice, Elbow Assembly—Natural (4.0" W.C.)
.....	06153-0	Orifice, Elbow Assembly—L.P. (10.0" W.C.)
39	3602-1	Tubing—Alum. w/ Sleeve; 7/16" OD x 42"

Item	Part #	Description
40.....	03604-8	Tubing—Alum. w/ sleeve 1/4" OD x 30"
41.....	01277-7	Nut, Threaded Sleeve—1/4 Tubing
42.....	36493-2	Panel, Front—RT/Upper—S/S
43.....	23218-1	Burner, Pilot Assembly —Natural
.....	23220-3	Burner, Pilot L.P.
44.....	34177-0	Orifice Hood—Natural
.....	02191-1	Orifice Hood—L.P.
45	06155-7	Nut & Ferrule—1, 4 Tubing
46.....	1016-2	Thermocouple 36"
.....	1013-8	Thermocouple 30"
47.....	28584-6	Panel, Burner Access—S/S
48.....	02365-5	Guide—RT/LT, Rack
49.....	36352-9	Thermostat w/ Dial—FDTO
50.....	01977-1	Dial, Thermostat—FDTO
51.....	06156-5	Holder, Sensing Bulb
52.....	34604-7	Valve, Safety
53.....	01287-4	Connector, Male 3/8 NPTM x 7/16" OD x 23"
54.....	03600-5	Tubing—Alum. w/ sleeve 7/16" OD x 23"
55.....	03605-6	Tubing—Alum. w/ sleeve 1/4" OD x 14"
56.....	01942-9	Clip
57.....	06157-3	Conduit—Flex
58.....	06158-1	Junction Box Assembly
59.....	06160-3	Panel, Back Assembly
60.....	20318-1	Switch, Rocker "FAN-OFF-COOL"
61.....	8584-7	Block, Terminal
62.....	36493-2	Panel, Front—RT/Lower—S/S
63.....	19780-7	Panel, Front—Left—S/S
64.....	06926-4	Catch, Spring (Female)
65.....	33579-7	Pin Assembly, Door RT
.....	3393-6	Pin Assembly, Door LT
66.....	01260-2	Spacer
67.....	32869-3	RT Trunnion
68.....	06079-8	Trunnion Assembly- Left
69.....	06161-1	Body, Range—Painted
70.....	28441-6	Leg w/ Foot—SS—6 in.
71.....	02364-7	Rack, Wire
72	06163-8	Deflector, Flue
73	06164-6	Panel, Rear—Right Assembly
74.....	06165-4	Panel, Rear—Left
75.....	06166-2	Panel, Rear—Top Center
76.....	6167-0	Panel, Rear—Lower Center
77.....	6168-9	Tubing, Heat Shrink
78	6169-7	Wire Assembly
79.....	1912-7	Nut, Hex—Pin
80.....	33550-9	Bracket, Door Switch
81.....	33276-3	Switch, Door
82.....	33550-9	Cover, Door Switch