

H E A T

THE BEST VALUE
POOL & SPA HEATERS



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Heaters



Laars Residential and Commercial Pool Heaters

Laars Lite™

The Laars Lite™ is built for dependability and efficiency. At the heart of its efficiency is an ingenious combustion chamber, surrounded by a ceramic fiber that works better than any other insulation material. The Laars Lite™ also offers easy installation, convenient control and a variety of features, including an electronic thermostat, pilot light ignition system, and extended life of the main burners and jacket. The LLD model has a self-cleaning, hot surface ignition which provides quick start-up every time and prevents sooting. No burner tray removal is required (LLD) and the igniter can be easily replaced with one screw. The Laars Lite™ is weather resistant and designed for harsh wind and rain conditions. A vent cap further enhances performance in severe weather conditions. The Laars Lite™ carries an exceptional 5 year limited warranty.



Laars LLD



Laars LLG

Model #	Ignition	Thermostat	Ctn. Weight
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125,000 BTU, Natural Gas, Cast Iron Headers, Heater Only

LLG125N	Millivolt	Single	148
LLD125N	Electronic	Dual	148

125,000 BTU, Propane Gas, Cast Iron Headers, Heater Only

LLG125P	Millivolt	Single	148
LLD125P	Electronic	Dual	148

175,000 BTU, Natural Gas, Cast Iron Headers, Heater Only

LLG175N	Millivolt	Single	175
LLD175N	Electronic	Dual	175

175,000 BTU, Propane Gas, Cast Iron Headers, Heater Only

LLG175P	Millivolt	Single	175
LLD175P	Electronic	Dual	175

250,000 BTU, Natural Gas, Cast Iron Headers, Heater Only

LLG250N	Millivolt	Single	182
LLD250N	Electronic	Dual	182

250,000 BTU, Propane Gas, Cast Iron Headers, Heater Only

LLG250P	Millivolt	Single	182
LLD250P	Electronic	Dual	182

325,000 BTU, Natural Gas, Cast Iron Headers, Heater Only

LLG325N	Millivolt	Single	214
LLD325N	Electronic	Dual	214

325,000 BTU, Propane Gas, Cast Iron Headers, Heater Only

LLG325P	Millivolt	Single	214
LLD325P	Electronic	Dual	214

400,000 BTU, Natural Gas, Cast Iron Headers, Heater Only

LLG400N	Millivolt	Single	228
LLD400N	Electronic	Dual	228

400,000 BTU, Propane Gas, Cast Iron Headers, Heater Only

LLG400P	Millivolt	Single	228
LLD400P	Electronic	Dual	228

Laars Lite™ Pool & Spa Heater Options

Bronze Headers

A.S.M.E. Certification

Salt Water Construction (includes Cupro Nickel Tubes, Monel Sensor, Bronze Headers and Stainless Steel Fittings)

INSTALLATION KITS

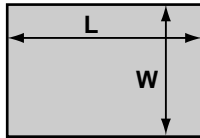
10561401-05	INDOOR - DRAFTHOOD KIT
10561501-05	HIGH WIND - VENT CAP KIT

HEATER SELECTION GUIDE

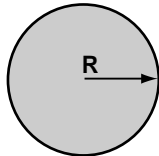
Heaters

Pool Sizing

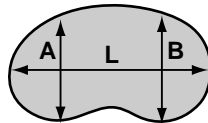
Determine your pool's surface area in square feet.



Area = L x W



Area = R x R x 3.14



Area = (A + B) x L x .45

Locate in the table below, the surface area equal to or slightly greater than the pool's surface area, read to the left and select the appropriate heater.

For indoor pool installations, divide the pool's surface area by three.

Tables are based on a 30°F temperature rise, 3 1/2 MPH wind velocity and elevation of up to 2,000 feet above sea level.

Spa Sizing

Determine your spa capacity in gallons (surface area average depth x 7 1/2).

The reference tables list the time required in minutes to raise the temperature of the spa/hot tub by 30°F. Locate in the table below, the spa/hot tub size in gallons. Select the desired time to raise the spa/hot tub temperature 30°F, read to the left and select the appropriate heater.

This guide can be adjusted for other temperature rises. For example, if you desire a 15°F increase in temperature, simply divide the time for 30°F rise by the 15°F increase (30/15=2).

Note: Heat losses and/or heat absorbed by spa walls or other objects will add to heat-up time.

Spa sizing is based on an insulated and covered spa. Always cover your spa or hot tub when not in use to minimize heat loss and evaporation.

LAARS LITE™ SIZING CHART

POOL HEATER										
Model No.	125		175		250		325		400	
Temp. Diff.	Maximum Pool Surface Area (Sq. Ft.)									
15°F	667	889	933	1244	1333	1778	1733	2311	2133	2844
20°F	500	667	700	933	1000	1333	1300	1733	1600	2133
25°F	400	533	560	747	800	1067	1040	1387	1280	1707
30°F	333	444	467	622	687	889	867	1156	1067	1422
35°F	286	381	400	533	571	762	743	990	914	1219

Shaded columns indicate sizing with a 0 MPH wind. Example: Rectangular pool, 20 feet x 40 feet, with desired temperature rise of 25°F: 20 x 40 = 800 square foot surface area, the recommended heater is the Laars Lite™ LLG or LLD 250.

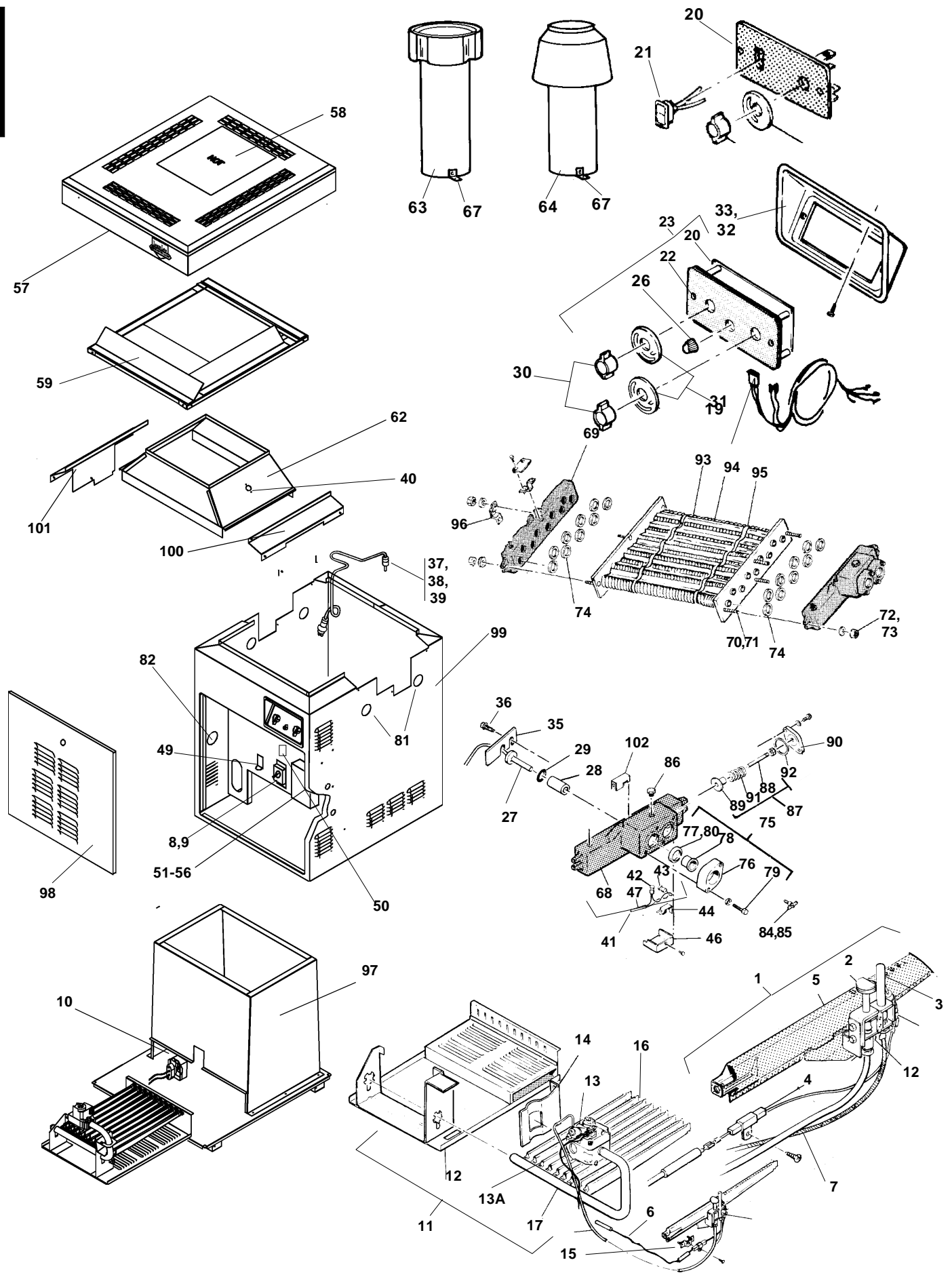


SPA HEATER					
Model No.	125	175	250	325	400
Spa Size (Gal.)	Time to Heat Spa 30°F (Minutes)				
200	30	21	15	12	9
400	60	43	30	23	19
600	90	64	45	35	28
800	120	86	60	46	37
1000	150	107	75	58	47

Example: To heat a 400 gallon spa 30°F in 30 minutes, the recommended heater is the Laars Lite™ LLG or LLD 250.

LAARS LITE™, Manufactured From 1997

Heaters



LAARS LITE™ Pool and Spa Heaters

Key No	Description	Model No	ORDER PART NO
PILOT GAS SYSTEM - LLG			
1	Pilot, Main Burner Assembly, LPG	All	R0099200
1	Pilot, Main Burner Assembly, NAT	All	R0099100
2	Pilot Burner, NAT	All	R0096700
2	Pilot Burner, LPG	All	R0096800
2A	Pilot Shield	All	R0323300
3	Pilot Generator	All	W0036901
4	Ceramic Insulator Assembly	All	R0011600
5	Burner, Main w/Pilot Bracket	All	10457500
6	High Voltage Lead Assembly	All	R0099000
7	Pilot Tubing	All	R0037000
8	Piezo Lighter Assembly	All	R0096800
9	Piezo Lighter Knob	All	R0097000
10	Ignitor - LLD	All	R0317200
MAIN GAS ASSEMBLY			
11	Burner Tray Assy, NAT (Note 1) - LLG	125-400	R0098601-05
11	Burner Tray Assy, LPG (Note 1) - LLG	125-400	R0098701-05
11	Burner Tray Assy, NAT (Note 1) - LLD	125-400	R0316901-05
11	Burner Tray Assy, LPG (Note 1) - LLD	125-400	R0319501-05
12	Burner Tray, Shelf Only	125-400	R0317001-05
13	Gas Valve, NAT - LLG	All	R0096400
13	Gas Valve, LPG - LLG	All	R0096900
13	Gas Valve, NAT - LLD	All	R0317100
13	Gas Valve, LPG - LLD	All	R0319600
13A	Gas Orifice, NAT (Note 1)	All	L0032200
13A	Gas Orifice, LPG (Note 1)	All	L0032900
14	Anti-Rotation Bracket	All	10577200
15	Mounting Bracket Assembly	All	10419200
16	Burner, Main	All	L0052300
17	Burner Manifold (Note 2)		
ELECTRICAL SYSTEM			
18	Temperature Control Assembly - LLG	All	R0058200
19	Wire Harness	All	R0058000
20	Plate Assembly	All	10456300
21	On-Off Switch	All	R0099800
22	Temperature Control Label	All	H0105300
23	Temperature Control Assembly - LLD	All	R0011700
24	Wire Harness Assembly	All	10457800
25	Plate Assembly	All	10594600
26	Knob, Single Bar	All	R0099900
Key Nos. 27- 36 are for both R582 & R117			
27	Temperature Sensor	All	R0011800
28	Protector Sleeve, Bulb	All	10444900
29	"O" Ring, Temperature Control Bulb	All	E0116400
30	Thermostat Knob, Black	All	R0010700
31	"Temp-Lok" Stop Plate (Not Shown)	All	10583100
32	Temperature Control Gasket	All	S0070000
33	Bezel	All	S0069800
34	Stop Plate Screw	All	F0033300
35	Retainer Bracket	All	10447300
36	Retainer Bracket Screw	All	F0009100
37	Pressure Switch & Siphon Loop Assembly	All	R0097600
38	Pressure Switch, 2 PSI	All	R0013200
38	Pressure Switch, 1 PSI	All	R0011300
38	Pressure Switch, 1-10 PSI	All	R0015500
39	Siphon Loop Assembly	All	R0057800
40	Redundant High-Limit - LLG	All	R0313900
41	High-Limit Switch Assembly	All	R0023200
42	High-Limit Switch, 135°F	All	R0022700
43	High-Limit Switch, 150°F	All	R0023000
44	High-Limit Switch Retainer Clip	All	10418400
45	High-Limit Switch Retainer Boot	All	S0098900
46	High-Limit Switch Cover	All	10418300
47	High-Limit Switch Wire Harness	All	10419300
48	Fusible Link Assembly	All	R0012200
49	Fusible Link Bracket	All	10479900
50	Terminal Block	All	R0097800
51	Ignition Control Assembly - LLD	All	R0317500
52	Ignition Control - LLD	All	R0325200
53	Harness Assembly	All	R0059800
54	Transformer (115V-220V/24V)	All	R0061100
55	Ignition Control Panel	All	10451200
56	In-Line Fuse Assembly	All	10480000

Key No	Description	Model No	ORDER PART NO
VENT SYSTEM			
57	Top Enclosure	125-400	R0313201-05
58	Top Filler	125-400	10535201-05
59	Rainshield Kit	125-400	R0318301-05
62	Flue Collector Assembly	125-400	R0316401-05
63	Outdoor Vent Cap	125-400	10561501-05
64	Indoor Drafthood	125-400	10561401-05
65	Flue Transition Plate	125-400	10861901-05
66	Adapter Plate	125-400	10535301-05
67	Clip	All	10211000
WATER SYSTEM			
68	Inlet/Outlet Header, 2"	All	R0056400
68	Inlet/Outlet Header, Bronze, 2"	All	R0016800
69	Return Header	All	R0058300
69	ReturnHeader, Bronze	All	R0054600
70	Header Bolt Assembly	All	R0057000
71	Bolt for Headers, 2 1/2"	All	F0046100
72	Washer for Headers	All	F0011100
73	Nut for Headers	All	F0003100
74	Header Gasket Assembly (Set of 18)	All	R0050800
75	Flange & Gasket Assembly (Note 3)	All	R0055000
76	Flange, 2"	All	10573500
77	Flange Gasket, 2"	All	S0078000
78	Flange Sleeve, 2"	All	S0078200
79	Flange Bolt	All	F0031700
80	Flange Gasket, 1 1/2 - 2"	All	S0078100
81	Grommet for Drain Plug	All	R0316300
82	Grommet, Slitted	All	S0071100
83	Hole Plug	All	S0098700
84	Drain Plug	All	P0026800
85	Drain Plug Bushing	All	P0018500
86	Brass Plug, 3/4"	All	P0027000
87	By-Pass Assembly	All	R0054900
88	By-Pass Valve Rod	All	S0074300
89	By-Pass Valve Disc	All	R0011500
90	By-Pass Valve Control Cap	All	10452200
91	By-Pass Valve Spring, Purple	125	S0079900
91	By-Pass Valve Spring, White	175	S0061400
91	By-Pass Valve Spring, Red	250	S0061300
91	By-Pass Valve Spring, Blue	325	S0061200
91	By-Pass Valve Spring, Black	400	S0070100
92	By-Pass Valve Gasket	All	R0011400
93	Heat Exchanger Tube Assembly	125-400	R0018101-05
94	Heat Exchanger Baffle (8 Required)	125-400	10697401-05
95	Baffle Retainer	All	S0083900
96	Heat Exchanger Support Clip	All	10457000
FIREBOX COMPONENTS			
97	Complete Chamber Assembly	125-400	R0316701-05
JACKET COMPONENTS			
98	Door with Latch	125-400	R0313401-05
99	Jacket Assembly, Less Top Assembly	125-400	R0316501-05
100	Gap Closure, Inlet/Outlet	All	10448200
101	Gap Closure, Return	All	10448300
102	Insulation and Retainer	All	10462200
OPTIONAL COMPONENTS			
	Non Combustible Base	125-400	10521701-05
	Pressure Relief Valve 3/4" NPT, 75 PSI	All	R0040400
	Touch Up Spray Paint, Light Beige	All	X0021100

Notes:

1. For altitudes 2,000 Ft above sea level, call factory for orifice size.
2. See Appendix.
3. Two included in assembly.

Hi-E2™ Commercial Pool and Spa Heater

Engineered to warm your bottom line, the Hi-E2™ from Teledyne Laars/Jandy Products is the #1 commercial pool and spa heater with a 95% efficiency rating. With unmatched energy efficiency, innovative, trouble-free features and installation flexibility, the Hi-E2™ is the best heater available for indoor, outdoor, new construction or retrofit. The Hi-E2™ also features direct connection to PVC pipe, easy multiple unit stacking for larger facilities, a unique force-air system for reliable performance in extreme weather conditions, dual thermostats for different temperature settings for the pool and spa, and a patented hot surface ignition system. Plus, the Hi-E2™ can reduce your operating costs by 30% or more and is backed by a comprehensive 5-year limited warranty. A leasing plan is available for commercial properties.

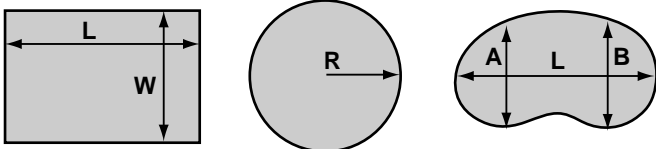


Model #	Ignition	Thermostat	Ctn. Weight
220,000 BTU Input, Natural Gas, Bronze Headers			
EHE220NC	Electronic	Dual	206
220,000 BTU Input, Propane Gas, Bronze Headers			
EHE220PC	Electronic	Dual	206
350,000 BTU Input, Natural Gas, Bronze Headers			
EHE350NC	Electronic	Dual	252
350,000 BTU Input, Propane Gas, Bronze Headers			
EHE350PC	Electronic	Dual	252

HEATER SELECTION GUIDE

Pool Sizing

Determine your pool's surface area in square feet.



Area = L x W Area = R x R x 3.14 Area = (A + B) x L x .45

Locate in the table below, the surface area equal to or slightly greater than the pool's surface area, read to the left and select the appropriate heater.

For indoor pool installations, divide the pool's surface area by three.

Tables are based on a 30°F temperature rise, 3 1/2 MPH wind velocity and elevation of up to 2,000 feet above sea level.

Spa Sizing

Determine your spa capacity in gallons (surface area x average depth x 7 1/2).

The reference tables list the time required in minutes to raise the temperature of the spa/hot tub by 30°F. Locate in the table below, the spa/hot tub size in gallons. Select the desired time to raise the spa/hot tub temperature 30°F, read to the left and select the appropriate heater.

This guide can be adjusted for other temperature rises. For example, if you desire a 15°F increase in temperature, simply divide the time for 30°F rise by the 15°F increase (30/15=2).

Note: Heat losses and/or heat absorbed by spa walls or other objects will add to heat-up time.

Spa sizing is based on an insulated and covered spa. Always cover your spa or hot tub when not in use to minimize heat loss and evaporation.

Hi-E2™ SIZING CHART

Heaters

POOL HEATER				
Model No.	220		350	
Temp. Diff.	Maximum Pool Surface Area (Sq. Ft.)			
15°F	1333	1778	2133	2844
20°F	1000	1333	1600	2133
25°F	800	1067	1280	1707
30°F	687	889	1067	1422
35°F	571	762	914	1219

Shaded columns indicate sizing with a 0 MPH wind. Example: Rectangular pool, 20 feet x 40 feet, with desired temperature rise of 25°F: 20 x 40 = 800 square foot surface area, the recommended heater is the Hi-E2™ 220.

SPA HEATER		
Model No.	220	350
Spa Size (Gal.)	Time to Heat Spa 30°F (Minutes)	
200	15	9
400	30	19
600	45	28
800	60	37
1000	75	47

Example: To heat a 400 gallon spa 30°F in 30 minutes, the recommended heater is the Hi-E2™ 220.

Hi-E2™

For more information:

Telephone: Main: (415)382-8220 Order Fax: (800)526-3928

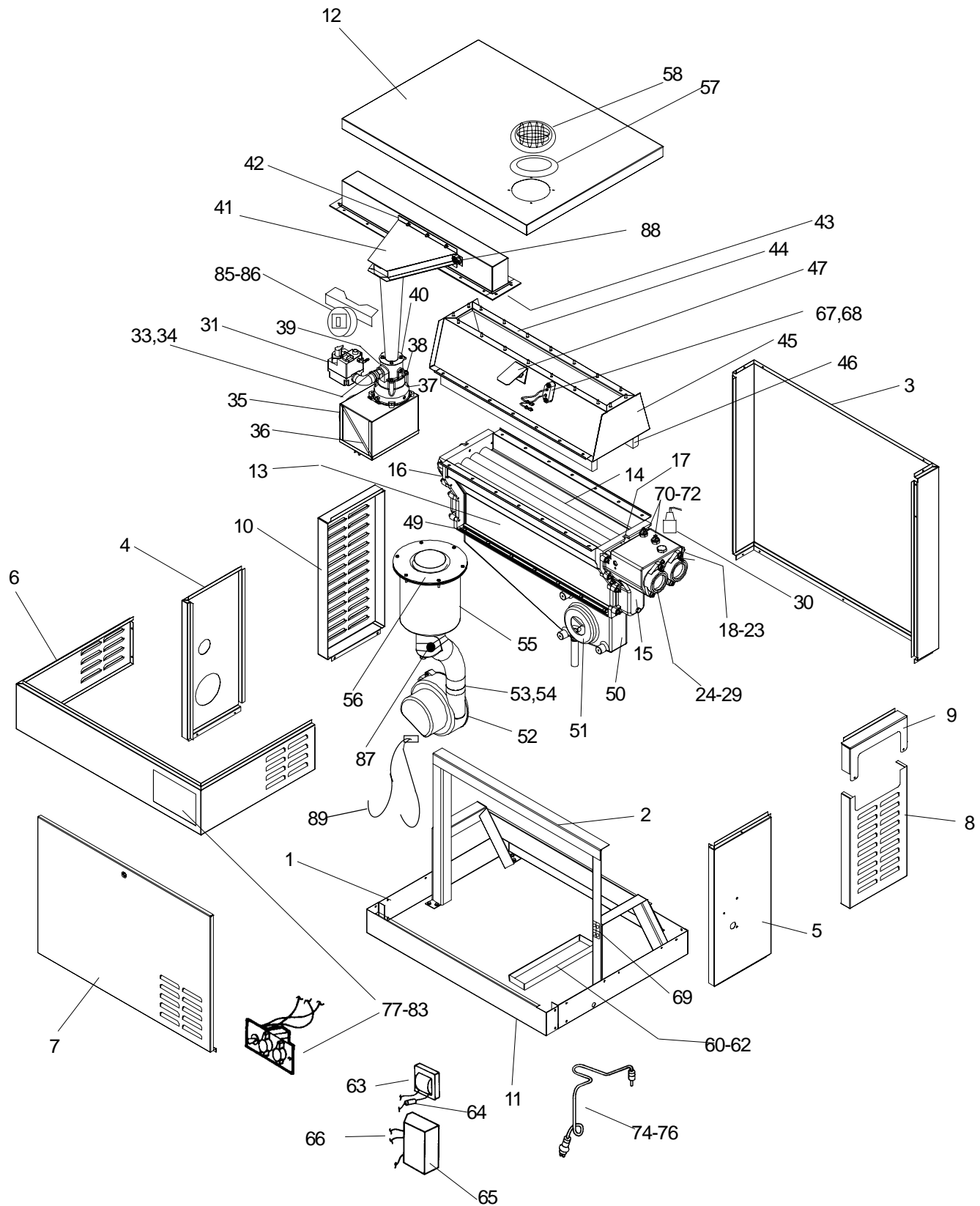
Customer Service: Ext. 245 Warranty/Service: Ext. 260 Literature Requests: Ext. 237

Pool Systems Address: 21 Pimentel Ct., Novato, CA 94949 **Mailing Address:** P.O. Box 6101, Novato, CA 94948-6101

Web Address: <http://www.jandy.com/>

International: 480 S. Service Rd. West, Oakville, Ontario, Canada L6K 2H4 (905)844-8233 voice (905)844-2635 fax

HI-E2™, Manufactured from 1997



Hi-E2

Heaters

Key No.	Description	Model No.	ORDER PART NO:
MAINTENANCE AND SERVICE COMPONENTS			
	Limestone Gravel (Condensate Neutralizer)	All	R0306200
	Combustion Air Filter	All	R0308000
JACKET ASSEMBLY			
1	Base Panel	220-350	R0301703,05
2	Frame Support Assembly	220-350	R0301503,05
3	Back Panel	220-350	R0300703,05
4	Left Side Panel	All	R0300500
5	Right Side Panel	All	R0300800
6	Temperature Control Panel Assembly	All	R0301603,05
7	Door	220-350	R0301103,05
8	Inlet/Outlet Header Panel	All	R0301000
9	Right Top Side Panel	All	R0300900
10	Return Header Panel	All	R0300600
11	Front Kick Panel	250-350	R0213403,05
12	Top Panel	220-350	R0300103,05
	Jacket Hardware Kit (Note 1)	All	R0302100
	Internal Hardware Kit (Note 1)	All	R0302500
WATER SYSTEM			
13	Heat Exchanger Assembly, Complete	220-350	R0303803,05
14	Heat Exchanger Tube Assembly	220-350	R0304103,05
15	Inlet/Outlet Header	All	R0303900
16	Return Header	All	R0304000
17	Gasket, Header	All	R0304300
18	By-Pass Valve Assembly	All	R0304400
19	Flow Control Cap	All	10557400
20	By-Pass Valve Gasket	All	R0011400
21	By-Pass Valve Spring	All	R0304500
22	By-Pass Valve Rod	All	R0304900
23	By-Pass Valve Disk	All	R0011500
24	Flange & Gasket Assembly, 2" (Set of 2)	All	R0055000
25	Flange, 2"	All	10573500
26	Flange Gasket, 2"	All	S0078000
27	Flange Sleeve, 2"	All	S0078200
28	Flange Bolt	All	F0031700
29	Flange Gasket 1 1/2 - 2"	All	S0078100
30	Pressure Relief Valve, 75 PSI (Requires field supplied 3/4 NPT x 3" brass nipple)	All	R0040400
	Heat Exchanger Hardware Kit (Note 1)	220-350	R0319103,05
	Inlet/Outlet Header Hardware Kit (Note 1)	All	R0319300
	Return Header Hardware Kit (Note 1)	All	R0319200
COMBUSTION SYSTEM ASSEMBLY			
31	Gas Valve	All	R0200100
32	Anti-Rotation Bracket (Not Shown)	All	R0309900
33	Orifice Holder	All	R0320000
34	Gas Orifice, NAT	220-350	R0309303,05
34	Gas Orifice, LPG	220-350	R0309403,05
35	Combustion Air Filter Assembly	All	R0306400
36	Combustion Air Filter	All	R0308000
37	Venturi Inlet	220-350	R0320303,05
38	Venturi O-ring	All	R0320400
39	Venturi Plenum	All	R0320500
40	Venturi/Tailpipe Gasket	All	R0320600
41	Mixing Chamber/Tailpipe Assembly	All	R0307300
42	Mixing Chamber/Burner Gasket	All	R0320800
43	Burner Assembly	220-350	R0305903,05
44	Burner/Combustion Chamber Gasket	220-350	R0305803,05
45	Combustion Chamber Assembly	220-350	R0305103,05
46	Refractory Tile Set	220-350	R0305303,05
47	Sight Glass Assembly	All	R0305400
48	Combustion Chamber Strip Set (Not Shown)	220-350	R0213103,05
49	Combustion Chamber/Collector Gasket	220-350	R0305703,05
	Venturi Hardware Kit (Note 1)	All	R0322200
	Mixing Chamber Hardware Kit (Note 1)	All	R0322100
	Burner Hardware Kit (Note 1)	220-350	R0319403,05

Key No.	Description	Model No.	ORDER PART NO:
EXHAUST ASSEMBLY			
50	Collector	220-350	R0303203,05
51	Blower/Collector Gasket	All	R0308700
52	Combustion Blower	All	R0308200
53	Blower/Vent Duct Sleeve	All	R0308600
54	Blower/ Vent Duct Clamp	All	R0308800
55	Vent Duct Assembly	All	R0303100
56	Vent Duct/Heater Top Gasket or Heater Top/Indoor Vent Collar Gasket	All	R0309100
57	Heater Top/Outdoor Exhaust Grille Gasket	All	R0309500
58	Outdoor Exhaust Grille	All	R0308400
59	Indoor Vent Collar (Not Shown)	All	R0307900
60	Condensate Trap Assembly	All	R0303300
61	Limestone Gravel	All	R0306200
62	Condensate Trap Cover	All	R0213300
	Venturi Hardware Kit (Note 1)	All	R0322200
	Mixing Chamber Hardware Kit (Note 1)	All	R0322100
ELECTRICAL COMPONENTS AND CONTROLS			
63	Transformer	All	R0061100
64	In-Line Fuse Holder Assembly	All	R0325600
65	Ignition Control	All	R0202900
66	Wire Harness, Ignition Control	All	R0302700
67	Igniter Assembly	All	R0016400
68	Igniter Gasket	All	R0205300
69	Terminal Block	All	R0301900
70	High-Limit Switch Set	All	R0322700
71	High-Limit Switch, 135°F	All	R0302400
72	High-Limit Switch, 150°F	All	R0302300
73	High-Limit Switch Wire Harness (Not Shown)	All	R0322600
74	Pressure Switch & Syphon Loop Assembly	All	R0322900
75	Pressure Switch, 2 PSI	All	R0013200
76	Pressure Switch Syphon Loop	All	R0307800
77	Temperature Control Assy, Electronic	All	R0011700
78	Temperature Sensor (Not Shown)	All	R0011800
79	Temperature Sensor Gasket	All	E0116400
80	Temperature Sensor Plastic Sleeve	All	10444900
81	Temperature Control Knob	All	R0010700
82	Pool/Spa Selector Knob	All	R0099900
83	"Temp-Lok" Disc	All	10583100
84	Temperature Sensor Retainer Clip (Not Shown)	All	10716701
85	Differential Pressure Switch	All	R0302000
86	Differential Pressure Switch Bracket	All	R0302200
87	Exhaust Vent Limit Switch	All	R0309000
88	Burner High Limit Switch	All	R0319700
89	Combustion Blower Wire Harness	All	R0308100
OPTIONAL COMPONENTS			
	Touch Up Spray Paint	All	X0021100
	High Temperature Silicone Sealant	All	R0322800

Notes:
 1. All hardware sets contain all pieces necessary for assembly, including gaskets. Not shown. Gaskets and hardware are included in all kits that involve the removal of a gasket as part of the procedure to replace a part.

Mighty Therm AP Commercial Pool Heaters

Part No.	Input	Output
AP-500	500,000 BTU/Hr	405,000 BTU/Hr
AP-600	600,000 BTU/Hr	486,000 BTU/Hr
AP-715	715,000 BTU/Hr	580,000 BTU/Hr
AP-850	850,000 BTU/Hr	690,000 BTU/Hr
AP-1010	1,010,000 BTU/Hr	820,000 BTU/Hr
AP-1200	1,200,000 BTU/Hr	972,000 BTU/Hr
AP-1430	1,430,000 BTU/Hr	1,160,000 BTU/Hr
AP-1670	1,670,000 BTU/Hr	1,353,000 BTU/Hr
AP-1825	1,825,000 BTU/Hr	1,480,000 BTU/Hr
AP-2000	2,000,000 BTU/Hr	1,639,000 BTU/Hr *
AP-2200	2,200,000 BTU/Hr	1,786,000 BTU/Hr **
AP-2450	2,450,000 BTU/Hr	2,009,000 BTU/Hr *
AP-2800	2,800,000 BTU/Hr	2,223,000 BTU/Hr **
AP-3050	3,050,000 BTU/Hr	2,501,000 BTU/Hr *
AP-3200	3,200,000 BTU/Hr	2,552,000 BTU/Hr **
AP-3500	3,500,000 BTU/Hr	2,870,000 BTU/Hr *
AP-3600	3,600,000 BTU/Hr	2,951,000 BTU/Hr **
AP-4000	4,000,000 BTU/Hr	3,281,000 BTU/Hr **
AP-4050	4,050,000 BTU/Hr	3,321,000 BTU/Hr *
AP-4500	4,500,000 BTU/Hr	3,645,000 BTU/Hr **
AP-5000	5,000,000 BTU/Hr	4,100,000 BTU/Hr *



* Indoor model only.

** Outdoor Model Only

Options Include:

Indoor / Outdoor- Indoor units include built in draft diverter. Outdoor units do not require a vent cap.
 Natural Gas / Propane- Natural gas units come standard with electronic ignition (SYS 9). Propane units come standard with electroinc pilot supervision and standing pilot (SYS 16).
 Heat Exchanger - Glass/Copper; Glass/Cu-Ni; Bronze/Copper; Bronze/Cu-Ni.
 Local Code Requirements.

For more information:

Telephone: Main: (415)382-8220 Order Fax: (800)526-3928

Customer Service: Ext. 245 Warranty/Service: Ext. 260 Literature Requests: Ext. 237

Pool Systems Address: 21 Pimentel Ct., Novato, CA 94949 **Mailing Address:** P.O. Box 6101, Novato, CA 94948-6101

Web Address: <http://www.jandy.com/>

International: 480 S. Service Rd. West, Oakville, Ontario, Canada L6K 2H4 (905)844-8233 voice (905)844-2635 fax

Telstar™

This above ground pool and spa heater is a uniquely designed, gas fired 50,000 BTU/hr. heater, engineered for energy efficiency and reliability. It has several features, including choice of low gas consumption standing pilot or an electronic ignition, compact design for either free standing or skid mounting application, conveniently located controls, and reliable 24-Volt Control System. Other features include an efficient, one-piece cupro-nickle Heat Exchanger/Combustion Chamber Assembly, standard bronze header and water connection flanges, universal flange coupling, internal field wiring compartment, and a built in by-pass for flows up to 80 GPM. The Telstar™ is also listed as a Gas-Fired Spa Heater by Underwriters Laboratories and meets the requirements of U.L. Standard 1563 for Spa Equipment Assemblies. The Telstar™ design is certified by the American Gas Association Laboratories under ANSI Z21. 56 for gas-fired pool heaters.



Heaters

Model #	Ignition	Thermostat
50,000 BTU Input, Natural Gas, Bronze Headers		
TGT50AN	Millivolt	Single
50,000 BTU Input, Propane Gas, Bronze Headers		
TGT50AR	Millivolt	Single
50,000 BTU Input, Natural Gas, Bronze Headers		
TGS50AN	Electronic	Single

TELSTAR™

For more information:

Telephone: Main: (415)382-8220 Order Fax: (800)526-3928

Customer Service: Ext. 245 Warranty/Service: Ext. 260 Literature Requests: Ext. 237

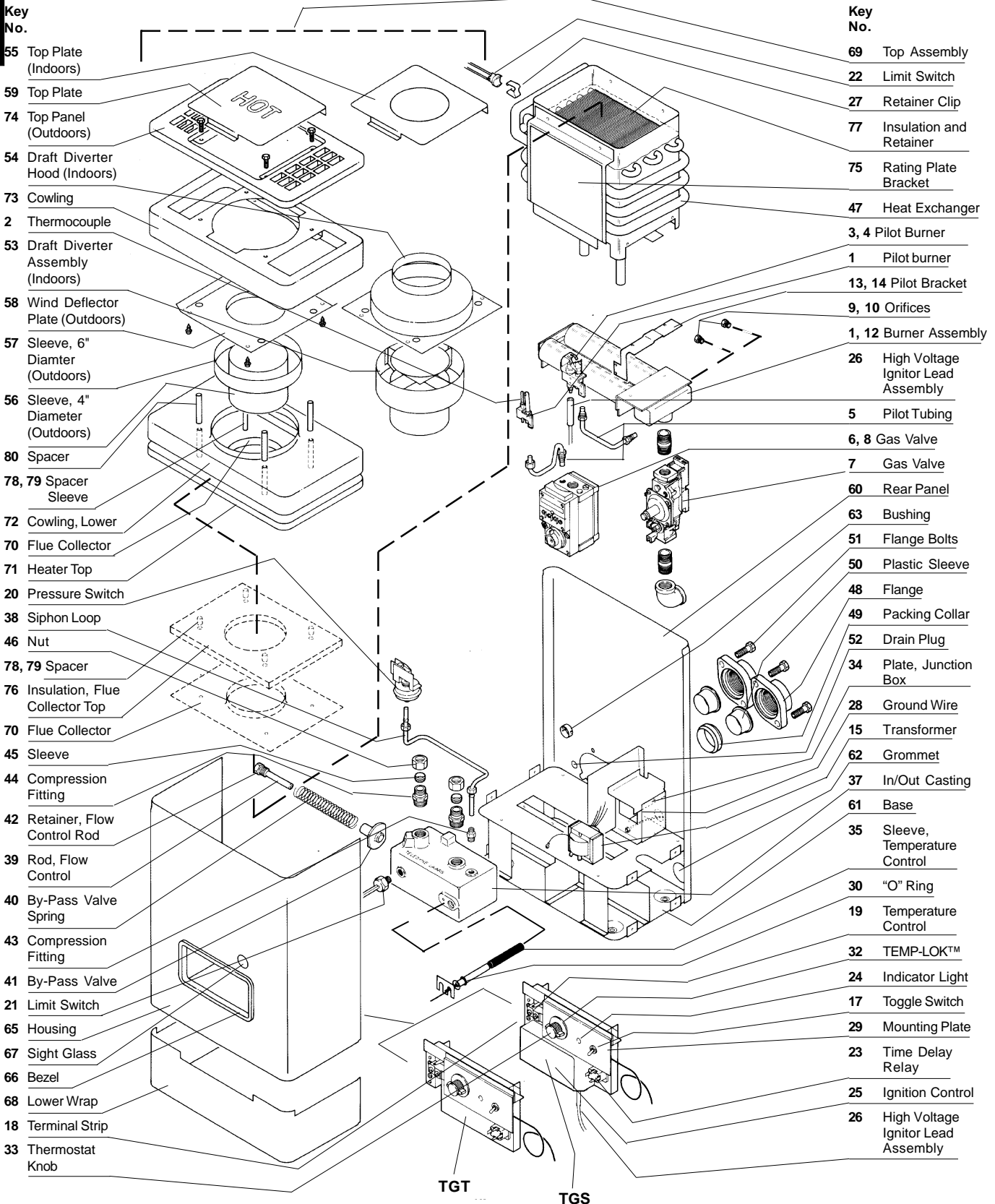
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International: 480 S. Service Rd. West, Oakville, Ontario, Canada L6K 2H4 (905)844-8233 voice (905)844-2635 fax

TELSTAR™ (SPARK IGNITION) Spa Heaters — TGS-50 -TGS-55 - TRS-55
TELSTAR™ (STANDING PILOT) Spa Heaters — TGT-50 - TGT-55 - TRT-55

Heaters



TELSTAR™ (SPARK IGNITION) Spa Heaters — TGS-50 -TGS-55 - TRS-55
TELSTAR™ (STANDING PILOT) Spa Heaters — TGT-50 - TGT-55 - TRT-55

Heaters

Key No.	Description	ORDER PART NO		Key No.	Description	ORDER PART NO	
		TGT	TGS			TGT	TGS
PILOT GAS SYSTEM							
1	Pilot Burner, NAT	R0013700	—	44	Compression Fitting, 5/8" Tube x 1/2" NPT	P0070000	P0070000
2	Thermocouple	R0014000	—	45	Compression Fitting Sleeve, 5/8" Tube	P0070100	P0070100
3	Pilot Burner, NAT	—	R0013800	46	Compression Fitting Nut, 5/8" Tube	P0070200	P0070200
4	Pilot Burner, LPG	R0013900	—	47	Heat Exchanger Assembly	S0072400	S0072400
5	Tube, Pilot Gas, Formed (50)	10528700	10490500		Flange & Gasket Assembly	R0015000	R0015000
	Tube, Pilot Gas, Formed (55)	10489800	10490500	48	Flange, Bronze, 1 1/2"	10489400	10489400
MAIN GAS SYSTEM							
6	Gas Valve, NAT	R0038200	—	49	Flange Gasket, 1 1/2"	S0053100	S0053100
7	Gas Valve, NAT	—	R0039200	50	Flange Sleeve, 1 1/2"	S0028000	S0028000
8	Gas Valve, LPG	R0046900	—	51	Flange Bolts, 3/8" x 16 1 1/4"	F0009500	F0009500
9	Main Burner Orifices, NAT	L0053100	L0053100	51	Flange Bolts, 3/8" - 16- 1 1/2" (Note 3) (50)	F0016700	F0016700
10	Main Burner Orifices, LPG	L0054100	—	52	Drain Plug	P0026800	P0026800
11	Burner Assembly, NAT (Note 1,2)	L0054400	L0054400	VENT SYSTEM			
12	Burner Assembly, LPG (Note 1,2)	L0054400	L0054400	53	Draft Diverter Assembly (Indoors)	D0016800	D0016800
13	Pilot/Hx Bracket, NAT	10489501	10489502	54	Draft Diverter Hood/Wind Deflector Plate Assy (Indoors)	10499500	10499500
14	Pilot/Hx Bracket, LPG	10489501	—	55	Top Plate (Indoors)	10488900	10488900
ELECTRICAL SYSTEM							
19	Temperature Control	R0318800	R0318800	56	Sleeve, 4" Diameter (Outdoors)	10496900	10496900
29	Temperature Control Mounting Plate Assy	10491000	10491000	57	Sleeve, 6" Diameter (Outdoors)	10497000	10497000
30	"O" Ring	E0036300	E0036300	58	Wind Deflector Plate (Outdoors)	10497100	10497100
31	Temperature Control Logo	H0078300	H0078300	59	Top Plate (Outdoors)	10488800	10488800
32	"Temp-Lok" Stop Plate	10456700	10456700	JACKET COMPONENTS			
35	Protector Sleeve, Bulb	10444900	10444900	60	Rear Panel	10488300	10488300
15	Transformer (115-230/24V)	R0061100	R0061100	61	Base	10493200	10493200
16	Fusible Link	R0012200	—	62	Slitted Grommet, 1 1/2"	F0038800	F0038800
17	On-Off Switch	R0014400	R0014400	63	Nylon Bushing	S0064900	S0064900
18	Terminal Strip	E0098500	E0098500	64	Control Panel Weldment	10494200	10494200
20	Pressure Switch, 2 PSI	R0014500	R0014500	65	Housing Weldment	10495900	10495900
20	Pressure Switch, 1 PSI	R0011300	R0011300	66	Bezel	S0072100	S0072100
20A	Pressure Switch, 1-10 PSI	R0015500	R0015500	67	Sight Glass	F0038700	F0038700
38	Siphon Loop Tube	10492300	10492300	68	Lower Wrap	10496200	10496200
21	High-Limit Switch, 120°F (50)	R0014600	R0014600	69	Top Assembly	10487700	10487700
22	High-Limit Switch, 150°F (50)	R0014700	R0014700	70	Flue Collector	10487300	10487300
21	High-Limit Switch, 120°F (55)	10513000	—	71	Heater Top	10489000	10489000
22	High-Limit Switch, 150°F (55)	10512900	—	72	Cowling, Lower	10488600	10488600
23	Time Delay Relay (50)	R0014800	R0014800	73	Cowling, Weldment	10496000	10496000
23	Lockout Relay (55)	—	E0086500	74	Top Panel	10487500	10487500
24	Heating Indicator Light, Red	E0081700	E0081700	75	Rating Plate Bracket	10489600	10489600
25	Ignition Control (Note 4)	—	R0011900	76	Insulation, Flue Collector Top	T0022100	T0022100
26	High Voltage Lead Assembly	—	10449517	77	Insulation, Heat Exchanger (Not Shown)	T0022500	T0022500
26	High Voltage Lead Assembly	—	10449510	78	Spacer Sleeve, 5/16" O.D. x 5/32" (4 Required)	F0037301	F0037301
27	Retainer Clip, 150F	F0037700	F0037700	79	Spacer Sleeve, 5/16" O.D. x 2 7/32" (4 Req'd)	F0037302	F0037302
28	Ground Wire Assembly	10497500	10497500	80	Spacer, Threaded, 5/16" Hex x 2 21/32" (4 Required)	F0037800	F0037800
33	Thermostat Knob	R0010700	R0010700	Notes:			
34	Junction Box Plate	10496300	10496300	1.	Main Burner Orifices not included.		
	Wire Harness (55)	R0011100	R0011200	2.	For altitudes higher than 2000 ft. above sea level, consult factory for orifice size.		
WATER SYSTEM							
37	Inlet/Outlet Header, Bronze	10489200	10489200	3.	Key Nos. 49 & 50 available in Assembly R0021100.		
	By-Pass Assembly	R0020600	R0020600	4.	For heaters with H/W Ignition Controls S86F or S86E only.		
39	By-Pass Valve Rod	S0074300	S0074300				
41	By-Pass Valve Disk	S0074200	S0074200				
42	By-Pass Valve Rod Retainer	S0008700	S0008700				
40	By-Pass Valve Spring	S0061200	S0061200				
43	Compression Fitting, 3/16" Tube x 1/8" NPT	P0019701	P0019701				

For more information:

Telephone: Main: (415)382-8220 Order Fax: (800)526-3928

Customer Service: Ext. 245 Warranty/Service: Ext. 260 Literature Requests: Ext. 237

Pool Systems Address: 21 Pimentel Ct., Novato, CA 94949 **Mailing Address:** P.O. Box 6101, Novato, CA 94948-6101

Web Address: <http://www.jandy.com/>

International: 480 S. Service Rd. West, Oakville, Ontario, Canada L6K 2H4 (905)844-8233 voice (905)844-2635 fax

Elektra Star™

This compact, dependable electric heater is specifically designed for above ground spas and hot tubs. It features universal flange coupling, and a choice of either 5.5 kW or 11 kW models. Both models operate on 240 volts, 60 Hz power, at 25 and 50 amps respectively. A thermostat with Temp-Lok™ device to provides a convenient reminder for setting, and an on/off switch for convenience and safety. Other features include a power indicator lamp, stainless steel tank, and snap-action pressure switch. The Elektra Star™ is UL listed under Standard 1261 for indoor/outdoor installation.



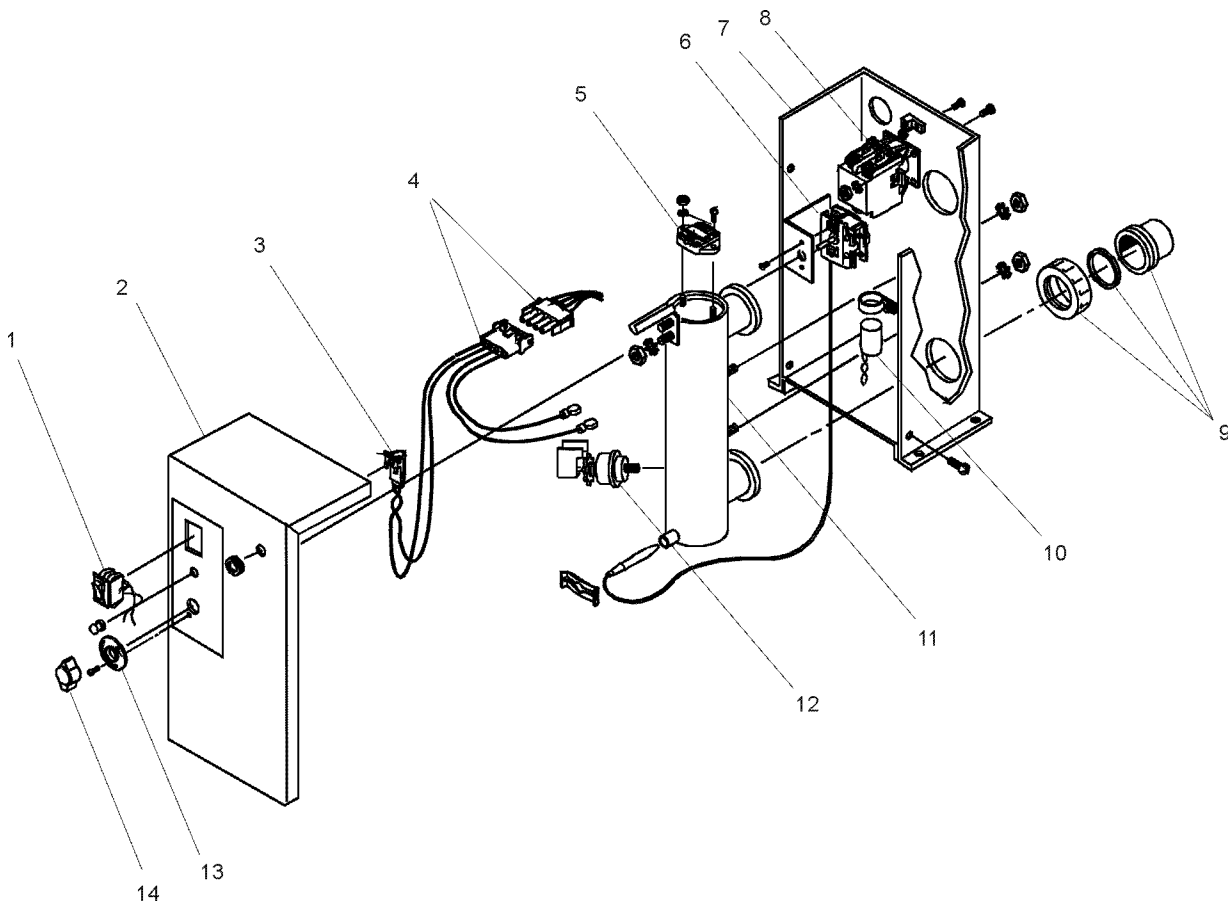
Model #	Ignition	Thermostat	Ctn. Weight
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Max Input 5.5 kW, Electric

TE55	Electronic	Single	28
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Max Input 11.0 kW, Electric

TE110	Electronic	Single	28
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Key No.	ORDER Description	PART NO:
1.	On/Off Switch	R0099800
2.	Front Panel	R0150300
3.	Light and Lens	R0150100
4.	Wiring Harness	R0150400
5.	High Limit 150°F	R0045200
6.	Temperature Control	R0150500
7.	Base and Jacket Assembly	R0151100
8.	Contactors	R0151000
9.	Coupling Assembly	R0150900

Key No.	ORDER Description	PART NO:
10.	Time Delay Relay w/Strap	R0013500
11.	Heating Element, 5.5 KW (TE-55)	R0150700
	Heating Element, 11.0 KW (TE-110)	R0150800
12.	Pressure Switch, 2 PSI	R0150600
	Pressure Switch, 10 PSI	R0015500
	Pressure Switch, 1 PSI	R0011300
13.	"Temp-Lok" Stop Plate	R0150200
14.	Temperature Control Knob	R0150000
	Hardware Kit (Not shown)	R0151200

XL-3 Oil Fired Pool & Spa Heaters

The XL-3 oil fired heater safely, cleanly and automatically heats your pool. Featuring safety controls that automatically guard against flame failure and excessive variations in temperature and water flow. The precise temperature controls and UL-listed oil burner assure economic and quiet operation.



Heaters

Model #	Ignition	Thermostat	Ctn. Weight
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230,000 BTU Input, Oil-Fired, Stainless Steel Headers

DP2000	110V	Single	285
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315,000 BTU Input, Oil-Fired, Stainless Steel Headers

DP3000	110V	Single	315
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For more information:

Telephone: Main: (415)382-8220 Order Fax: (800)526-3928

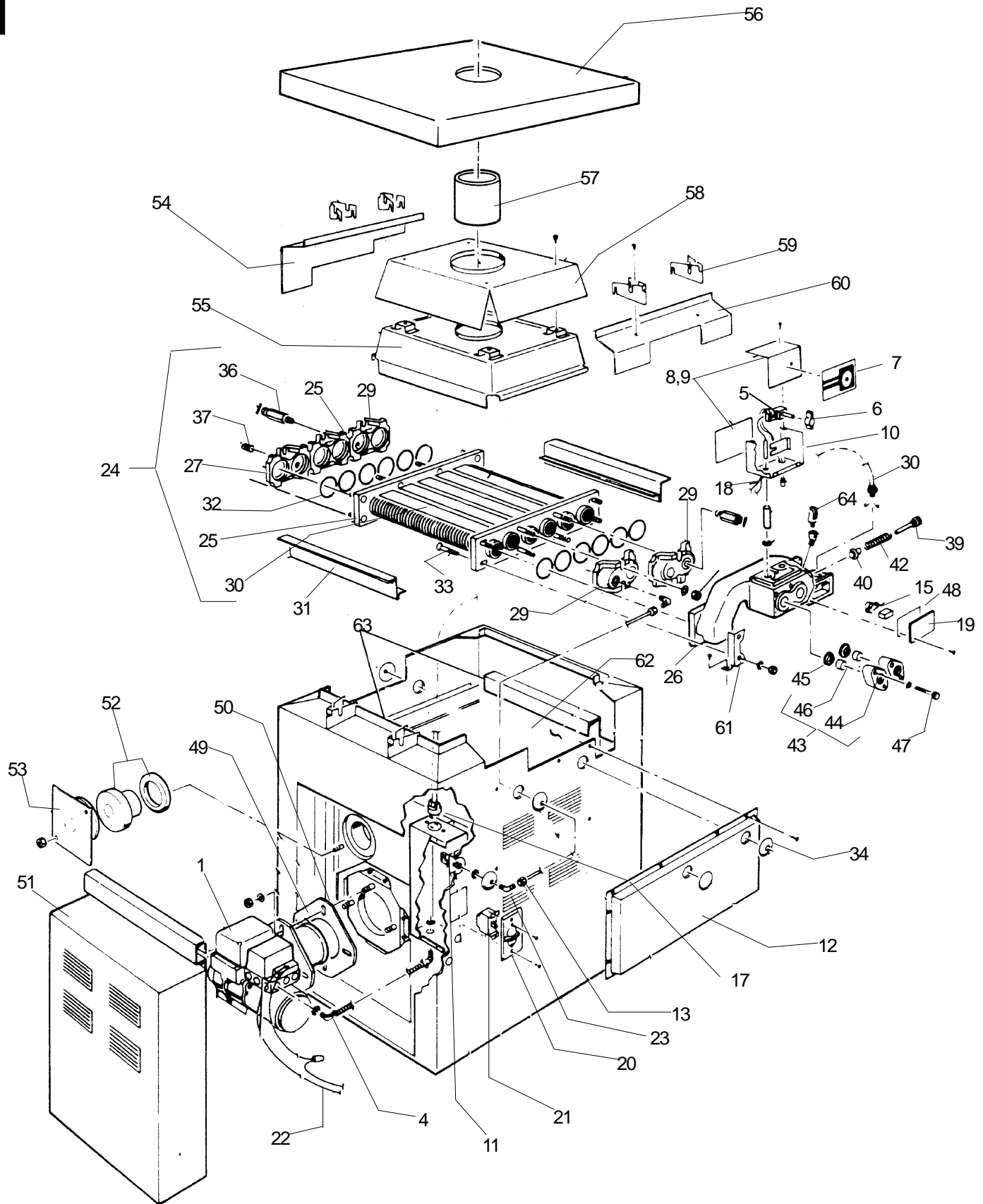
Customer Service: Ext. 245 Warranty/Service: Ext. 260 Literature Requests: Ext. 237

Pool Systems Address: 21 Pimentel Ct., Novato, CA 94949 **Mailing Address:** P.O. Box 6101, Novato, CA 94948-6101

Web Address: <http://www.jandy.com/>

International: 480 S. Service Rd. West, Oakville, Ontario, Canada L6K 2H4 (905)844-8233 voice (905)844-2635 fax

XL-2 Model DP Oil Fired Heaters



XL-2 Model DP Oil Fired Heaters

Heaters

Key No.	Description	Model No.	ORDER PART NO.	Key No.	Description	Model No.	ORDER PART NO.
FUEL SYSTEMS				FIRE BOX & JACKET COMPONENTS			
1	Oil Burner Assembly	250	L0038700	49	Burner Tube Gasket	All	N0006600
1	Oil Burner Assembly	350	L0038900	50	Burner Support Bracket	All	10392000
2	Oil Filter (Not Shown)	All	P0065100	51	Burner Compartment Door	250	10412203
3	Oil Filter Cartridge (Not Shown)	All	P0065500	51	Burner Compartment Door	350	10412204
4	3/8" Oil Line, Pump to Filter	All	10430402	52	Fire Box Plug	All	T0020700
ELECTRICAL SYSTEM				53	Fire Box Cover Plate	All	10425800
5	Thermostat	All	R0318800	54	Gap Spacer (Return)	All	10401000
6	Thermostat Knob	All	R0010700	55	Flue Collector Assembly	All	10406301
7	Thermostat Dial	All	H0048400	55	Flue Collector Assembly	All	10406302
8	Thermostat Cover	All	10388300	56	Flue Top Assembly	250	10405001
9	Thermostat Back	All	10368000	56	Flue Top Assembly	350	10405002
10	Thermostat Base Plate	All	10362000	57	Inner Stack	All	10390000
11	Pressure Switch, 1-10 PSI	All	R0045400	58	Flue Collector Shield	250	10404501
12	Siphon Loop Cover	All	10403400	58	Flue Collector Shield	350	10405002
13	Siphon Loop Assembly	All	R0057800	59	Vent Blade (10)	All	10319300
14	High-Limit Switch Assembly	All	R0023200	60	Gap Spacer (In/Out)	All	10400900
15	High-Limit Switch, 135°F	All	R0022700	61	Hold Down Clip	All	10401200
16	High-Limit Switch, 150°F	All	R0012700	62	Fire Box	250	T0020500
17	High-Limit Switch Harness (115V)	All	R0057500	62	Fire Box	350	T0020600
18	High-Limit Switch Harness	All	R0057700	63	Fire Box Cover (2)	250	10400801
19	High-Limit Switch Cover	All	10401100	63	Fire Box Cover (2)	350	10400802
20	Switch Cover	All	E0078300	OIL BURNER PARTS & COMPONENTS (Not Shown)			
21	ON/OFF Switch	All	E0078200	Air Tube Screw	All	F0004300	
22	Oil Burner Harness	All	R0057600	Pilot Bracket Screw	All	F0031300	
23	Connector Elbow 90°	All	P0059800	End Air Shutter	All	N0000200	
WATER SYSTEMS				Bulk Air Band	All	N0000300	
24	Heat Exchanger Assembly, Complete	250	10403601	Air Tube Gasket	All	N0000800	
24	Heat Exchanger Assembly, Complete	350	10403602	Motor, 1/7 H.P. , 3450 RPM	All	N0001000	
25	Heat Exchanger	250	10403501	Blower Wheel 4- 1/4" x 3- 7/16"	All	N0001400	
25	Heat Exchanger	350	10403502	Flexible Coupling	All	N0001500	
26	Inlet/Outlet Header	All	10403700	Fuel Unit, Two Stage	All	R0140100	
27	End Cap (1/2" tap)	All	10403900	Pump Outlet Fitting	All	N0002000	
28	End Cap (No tap)	All	10406100	Connector Tube Assembly	All	N0002200	
29	End Cap (1/4" tap)	All	10403800	Ignition Transformer	All	R0140200	
30	Tee Baffle (5)	250	10387804	Contact Spring Terminals	All	N0002600	
30	Tee Baffle (5)	350	10387805	Nozzle, Monarch 1.75	All	N0002800	
31	End Baffle (2)	250	10387702	Air Tube Combination	All	N0002900	
31	End Baffle (2)	350	10387703	Nozzle Line Electrode Assembly	All	N0003100	
32	Tube Gaskets (12)	All	S0063400	Electrode Clamp	All	N0003500	
34	Grommet (2 Required)	All	S0098800	Electrode Rod & Tip	All	N0004000	
35	Brass Plug, 3/4" (1)	All	P0027000	Burner Head & Screws	All	N0004500	
36	Drain Valve Extension	All	P0059900	Burner Head	All	N0004700	
37	Drain Plug, 1/4" (3)	All	P0026800	Delavan Nozzle, 2.50	350	N0005800	
38	By-Pass Assembly	All	R0020600	Delavan Nozzle, 1.75	250	N0006500	
39	By-Pass Valve Rod	All	S0074300	Primary Control	All	R0140300	
40	By-Pass Valve Disc	All	S0074200	Honeywell Cad Cell	All	N0006100	
41	By-Pass Valve Rod Retainer	All	S0008700	By-Pass Plug	All	N0007000	
42	By-Pass Valve Spring	250	S0061100	By-Pass Plug	All	N0007100	
42	By-Pass Valve Spring	350	S0061000	1/8" Burner Head Plug	All	P0026100	
43	Flange & Gasket Assembly	All	R0031900	1/4" Burner Head Plug	All	P0026800	
44	Flange, 1 1/2"	All	10309200	OPTIONAL EQUIPMENT			
45	Flange Gasket, 1 1/2"	All	S0053100	64	Pressure Relief Valve, 3/4" NPT, 75 PSI	All	R0040400
46	Flange Sleeve, 1 1/2"	All	S0028000	Chimney Cap - 9" (Not Shown)	All	D0014900	
47	Flange Bolt	All	F0031700				
48	Gasket	All	S0065300				

For more information:

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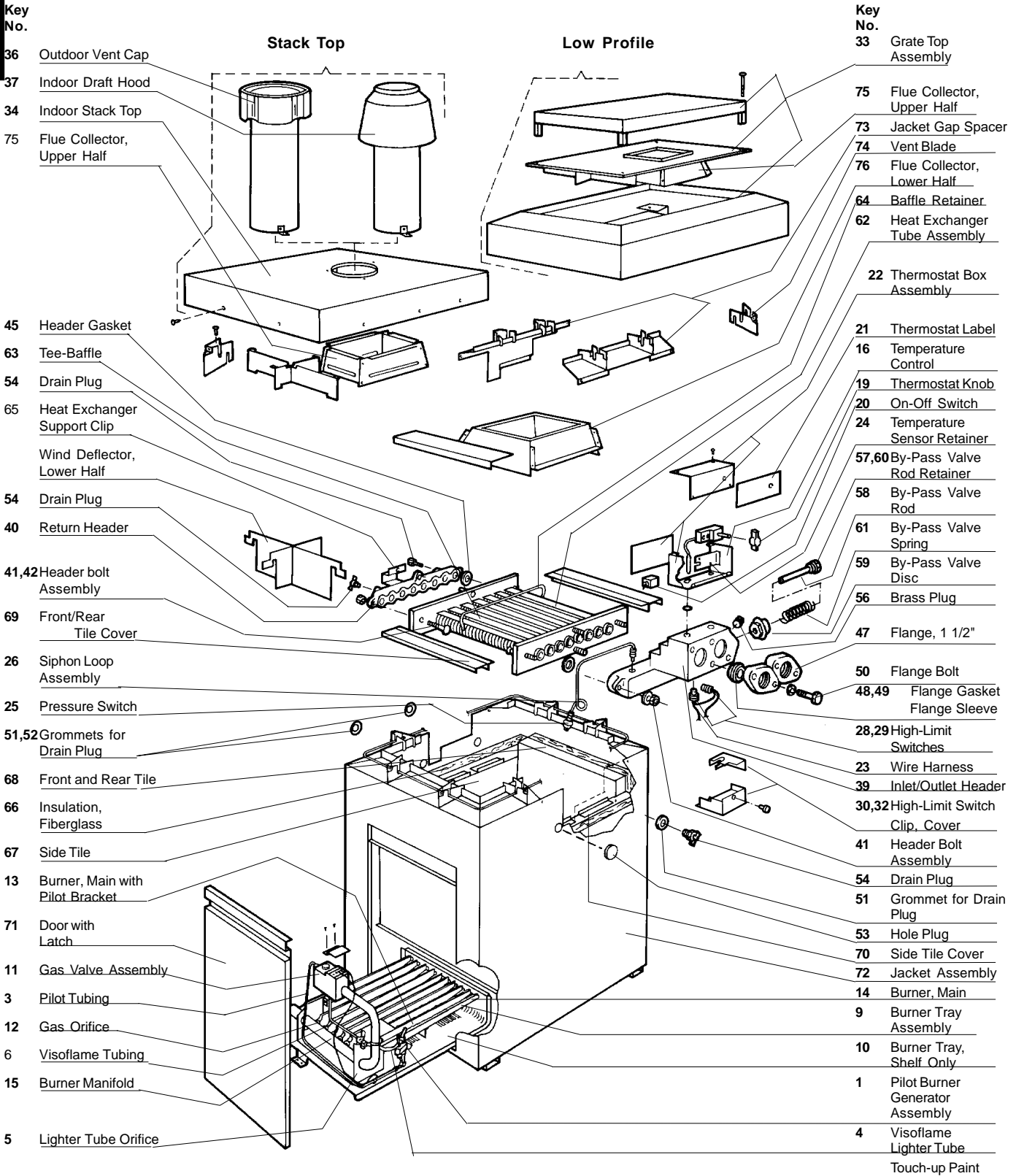
Pool Systems Address: 21 Pimentel Ct., Novato, CA 94949 **Mailing Address:** P.O. Box 6101, Novato, CA 94948-6101

Web Address: <http://www.jandy.com/>

International: 480 S. Service Rd. West, Oakville, Ontario, Canada L6K 2H4 (905)844-8233 voice (905)844-2635 fax

MARK V Pool Heaters — DM-125, 175, 250, 325 and 400

Manufactured from 1975-1984



MARK V Pool Heaters — DM-125, 175, 250, 325 and 400

Heaters

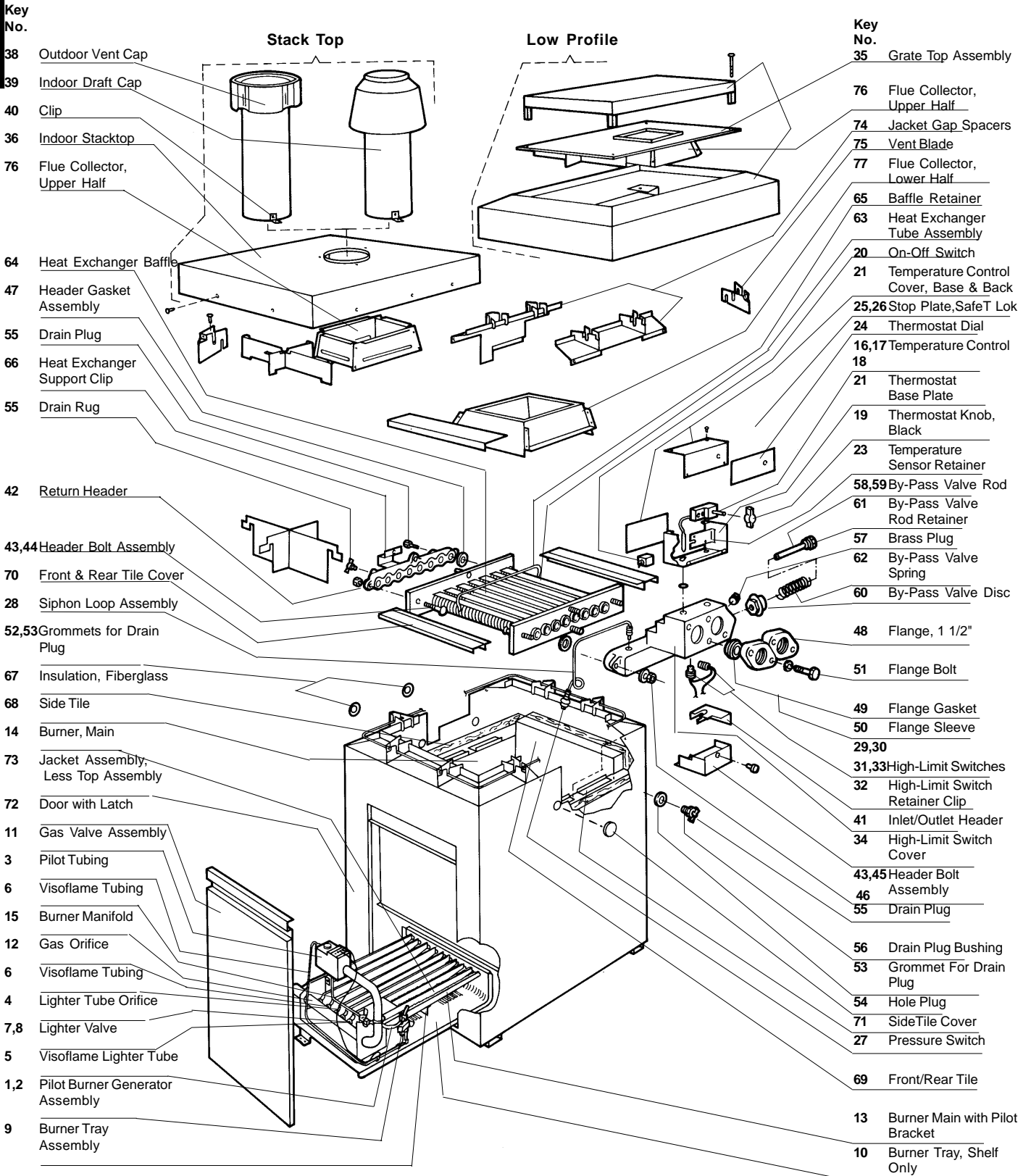
Key No.	Description	Model No.	ORDER PART NO:
PILOT GAS SYSTEM			
1	Pilot Burner/Gen. Assembly, NAT (Note 4)	All	R0027500
1	Pilot Burner/Gen. Assembly, LPG (Note 4)	All	R0027600
2	Pilot Generator	All	R0025500
3	Pilot Tubing	All	R0037000
4	Visoflame Lighter Tube	All	W0016200
5	Lighter Tube Orifice, NAT	All	W0018800
5	Lighter Tube Orifice, LPG	All	W0018900
6	Visoflame Tubing	All	10369600
7	Lighter Valve, Visoflame, with Orifice	All	N/A
8	Lighter Valve Tee Assembly, Visoflame	All	N/A
MAIN GAS SYSTEM			
9	Burner Tray Assembly, NAT (Note 1)	125-400	10601601-05
9	Burner Tray Assembly, LPG (Note 1)	125-400	10601701-05
10	Burner Tray, Shelf Only	125-400	R0317001-05
11	Gas Valve Assembly, NAT (Note 4)	All	R0027700
11	Gas Valve Assembly, LPG (Note 4)	All	R0027800
12	Gas Orifice, NAT (Note 1)	All	L0032200
12	Gas Orifice, LPG (Note 1)	All	L0032900
13	Burner, Main with Pilot Bracket	All	L0033400
14	Burner, Main	All	L0005500
15	Burner Manifold (Note 9)		
ELECTRICAL SYSTEM			
16	Temperature Control	All	R0318800
17	"O" Ring, Temp Control Bulb	All	E0036300
18	Protector Sleeve, Bulb	All	10444900
19	Thermostat Knob, Black	All	R0010700
20	On-Off Switch (Note 2)	All	R0094100
21	Thermostat Label	All	H0048400
22	Thermostat Box Assembly (Note 4)	All	R0057900
23	Wire Harness (Note 6)	All	R0023800
23	Wire Harness (Note 6)	All	R0023900
24	Temperature Sensor Retainer	All	10447300
25	Pressure Switch, 2 PSI (Note 7)	All	R0013200
25	Pressure Switch, 1 PSI (Note 7)	All	R0011300
25	Pressure Switch, 3 PSI (Note 7)	All	R0013000
26	Siphon Loop Assembly (Note 7)	All	R0057800
27	High-Limit Switch Assembly	All	R0023200
28	High-Limit Switch, 135° F	All	R0022700
29	High-Limit Switch, 150° F	All	R0023000
30	High-Limit Switch Retainer Clip	All	S0099000
31	High-Limit Switch Retainer Boot	All	S0098900
32	High-Limit Switch Cover	All	10418300
VENT SYSTEM			
33	Grate Top Assembly		N/A
34	Indoor Stack Top		N/A
35	Flue Assembly		N/A
36	Outdoor Vent Cap	125-400	10561501-05
37	Indoor Drafthood	125-400	10561401-05
38	Clip	All	10211000
WATER SYSTEM			
39	Inlet/Outlet Header, 1 1/2" (Note 8)	All	R0056100
40	Return Header (Note 8)	All	R0056700
41	Header Bolt Assembly	All	R0057000
42	Bolt for Headers, 2 1/2"	All	F0046100
43	Washer for Headers	All	F0011100
44	Nut for Headers	All	F0003100
45	Header Gasket Assembly (Set of 18)	All	R0050800
46	Flange & Gasket Assembly, 1 1/2" (Note 5)	All	R0031900
47	Flange, 1 1/2"	All	10309200
48	Flange Gasket, 1 1/2"	All	S0053100
49	Flange Sleeve, 1 1/2"	All	S0028000
50	Flange Bolt	All	F0031700

Key No.	Description	Model No.	ORDER PART NO:
51	Grommet for Drain Plug	All	S0098800
52	Grommet for Drain Plug	All	R0316300
53	Hole Plug	All	S0098700
54	Drain Plug (Note 4)	All	P0026800
55	Drain Plug Bushing	All	P0018500
56	Brass Plug, 3/4"	All	P0027000
57	By-Pass Assembly	All	R0020600
58	By-Pass Valve Rod	All	S0074300
59	By-Pass Valve Disc	All	S0074200
60	By-Pass Valve Rod Retainer	All	S0008700
62	Heat Exchanger Tube Assembly (Note 3)	125-400	10308201-05
63	Heat Exchanger Tee-Baffle	All	10308501-05
64	Baffle Retainer	All	S0057200
65	Heat Exchanger Support Clip	All	10457000
FIREBOX COMPONENTS			
66	Insulation, Fiberglass (Sold by ft.)	All	T0002000
67	Side Tile, 16 1/2" x 18 13/16"	All	T0003400
68	Front/Rear Tile, 21" x 9 1/8"	125	T0003900
68	Front/Rear Tile, 21" x 12 1/8"	175	T0003500
68	Front/Rear Tile, 21" x 16 5/8"	250	T0003600
68	Front/Rear Tile, 21" x 20 7/8"	325	T0003700
68	Front/Rear Tile, 21" x 25 7/8"	400	T0003800
69	Front/Rear Tile Cover	125-400	10314901-05
70	Side Tile Cover	All	10167300
JACKET COMPONENTS			
71	Door with Latch		N/A
72	Jacket Assembly, Less Top Assembly		N/A
73	Jacket Gap Spacer		N/A
74	Vent Blade	All	10319300
75	Flue Collector, Upper Half		N/A
76	Flue Collector, Lower Half		N/A
OPTIONAL EQUIPMENT			
	Touch Up Spray Paint	All	X0006000

- Notes:
1. For altitudes higher than 2000 ft. above sea level, see appendix.
 2. Installed on models with Serial Nos. B7629498 and above.
 3. Bolts, nuts and washers are not supplied with heat exchanger. Order assembly R0057000.
 4. Current available substitute, includes accessory parts.
 5. Two included in assembly
 6. Heaters with Serial Nos. 7508988 and below, use assembly R0023800 (black/white). Heaters with Serial Nos. 7508989 and above, use assembly R0023900 (white).
 7. Parts assembly R0020900 required to adapt to Pressure Switch connection.
 8. Includes necessary gaskets and hardware.
 9. See Appendix

MARK V Pool Heaters — DR-125, 175, 250, 325 and 400

Manufactured from 1975-1984



MARK V Pool Heaters — DR-125, 175, 250, 325 and 400

Heaters

Key No.	Description	Model No.	ORDER PART NO:
PILOT GAS SYSTEM			
1	Pilot Burner/Gen. Assembly, NAT (Note 5)	All	R0027500
1	Pilot Burner/Gen. Assembly, LPG (Note 5)	All	R0027600
2	Pilot Generator only	All	R0025500
3	Pilot Tubing	All	R0037000
4	Lighter Tube Orifice, NAT	All	W0018800
4	Lighter Tube Orifice, LPG	All	W0018900
5	Visoflame Lighter Tube	All	W0016200
6	Visoflame Tubing	All	10369600
7	Lighter Valve, Visoflame, with Orifice	N/A	
8	Lighter Valve Tee Assembly, Visoflame	All	W0016400
MAIN GAS SYSTEM			
9	Burner Tray Assembly, NAT (Note 1)	125-400	10601601-05
9	Burner Tray Assembly, LPG (Note 1)	125-400	10601701-05
10	Burner Tray, Shelf Only	125-400	R0317001-05
11	Gas Valve Assembly, NAT (Note 5)	All	R0027700
11	Gas Valve Assembly, LPG (Note 5)	All	R0027800
12	Gas Orifice, NAT (Note 1)	All	L0032200
12	Gas Orifice, LPG (Note 1)	All	L0032900
13	Burner, Main with Pilot Bracket	All	L0033400
14	Burner, Main	All	L0005500
15	Burner Manifold (Note 2)		
ELECTRICAL SYSTEM			
16	Temperature Control	All	R0318800
17	Protector Sleeve, Bulb	All	10444900
18	"O" Ring, Temperature Control Bulb	All	E0036300
19	Thermostat Knob, Black	All	R0010700
20	On-Off Switch	All	R0094100
21	Temperature Control Cover (Note 3)	All	10433100
21	Temperature Control Base (Note 3)	All	10433000
21	Temperature Control Back (Note 3)	All	10433200
22	Wire Harness (not shown)	All	R0029400
23	Temperature Sensor Retainer	All	10447300
24	Thermostat Dial	All	N/A
25	Stop Plate, Safe-T-Lock	All	10436100
26	Stop Plate Screw	All	F0033300
27	Pressure Switch, 2 PSI (Note 8)	All	R0013200
27	Pressure Switch, 1 PSI (Note 8)	All	R0011300
27	Pressure Switch, 3 PSI (Note 8)	All	R0013000
28	Siphon Loop Assembly (Note 8)	All	R0057800
29	High-Limit Switch Assembly	All	R0023200
30	High-Limit Switch, 135°F	All	R0022700
31	High-Limit Switch, 150°F	All	R0023000
32	High-Limit Switch Retainer Clip	All	10418400
33	High-Limit Switch Retainer Boot	All	S0098900
34	High-Limit Switch Cover	All	10418300
VENT SYSTEM			
35	Grate Top Assembly		N/A
36	Indoor Stack Top		N/A
37	Flue Assembly		N/A
38	Indoor Vent Cap	125-400	10561501-05
39	Outdoor Drafthood	125-400	10561401-05
40	Clip	All	10211000
WATER SYSTEM			
41	Inlet/Outlet Header, 1 1/2" (Note 6)	All	R0057200
42	Return Header (Note 6)	All	R0056700
43	Header Bolt Assembly	All	R0057000
44	Bolt for Headers, 2 1/2"	All	F0046100
45	Washer for Headers	All	F0011100
46	Nut for Headers	All	F0003100
47	Header Gasket Assembly (Set of 18)	All	R0050800
	Flange & Gasket Assembly, 1 1/2" (Note 7)	All	R0031900
48	Flange, 1 1/2"	All	S0053300
49	Flange Gasket, 1 1/2"	All	S0053100
50	Flange Sleeve, 1 1/2"	All	S0028000
51	Flange Bolt	All	F0031700

Key No.	Description	Model No.	ORDER PART NO:
52	Grommet for Drain Plug	All	S0098800
53	Grommet for Drain Plug	All	R0316300
54	Hole Plug	All	S0098700
55	Drain Plug (Note 5)	All	P0026800
56	Drain Plug Bushing	All	P0018500
57	Brass Plug, 3/4"	All	P0027000
58	By-Pass Assembly	All	R0020600
59	By-Pass Valve Rod	All	S0074300
60	By-Pass Valve Disc	All	S0074200
61	By-Pass Valve Rod Retainer	All	S0008700
62	By-Pass Valve Spring, White	125	S0061400
62	By-Pass Valve Spring, Red	175	S0061300
62	By-Pass Valve Spring, Blue	250	S0061200
62	By-Pass Valve Spring, Brown	325	S0061100
62	By-Pass Valve Spring, Orange	400	S0061000
63	Heat Exchanger Tube Assembly (Note 4)	125-400	10308201-05
64	Heat Exchanger Tee-Baffle	125-400	10308501-05
65	Baffle Retainer	All	S0057200
66	Heat Exchange Support Clip	All	10457000
FIREBOX COMPONENTS			
67	Insulation, Fiberglass (Sold by ft.)	All	T0002000
68	Side Tile, 16 1/2" x 18 13/16"	All	T0003400
69	Front/Rear Tile, 21" x 9 1/8"	125	T0003900
69	Front/Rear Tile, 21" x 12 1/8"	175	T0003500
69	Front/Rear Tile, 21" x 16 5/8"	250	T0003600
69	Front/Rear Tile, 21" x 20 7/8"	325	T0003700
69	Front/Rear Tile, 21" x 25 7/8"	400	T0003800
70	Front and Rear Tile Cover	125-400	10314901-05
71	Side Tile Cover	All	10167300
JACKET COMPONENTS			
72	Door with Latch		N/A
73	Jacket Assembly, Less Top Assembly		N/A
74	Jacket Gap Spacers		N/A
75	Vent Blade	All	10319300
76	Flue Collector, Upper Half		N/A
77	Flue Collector, Lower half		N/A
OPTIONAL EQUIPMENT			
	Pressure Relief Valve, 3/4" NPT, 75 PSI	All	R0040400
	Touch Up Spray Paint	All	X0006000

Notes:

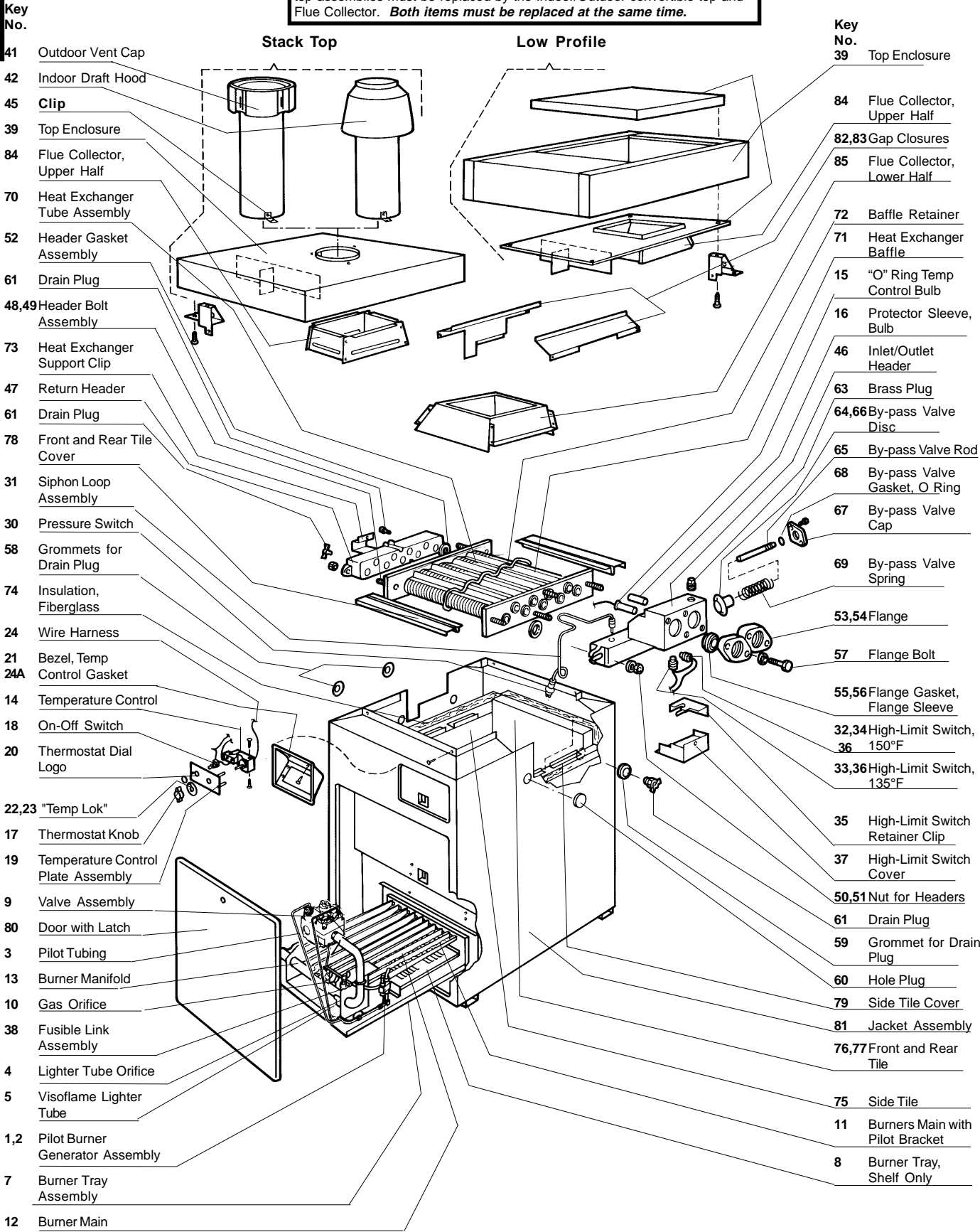
- For altitudes higher than 2000 ft. above sea level, see appendix.
- See Appendix
- Current on models manufactured after Serial No. 7824000 and available as assembly R0055400. Order assembly R0057900 for older DR Models. Key Nos. 8, 12 and 14 and F0030900 and F0033300 Screws included in assembly.
- Order assembly R0057000 for complete set of header bolts.
- Current available substitute, includes accessory parts.
- Includes necessary gaskets and hardware.
- Two included in assembly.
- Parts assembly R0020900 required to adapt to Pressure Switch connection.

XE Pool Heaters — EG-125, 175, 250, 325 and 400

Manufactured from 1984-1989

Heaters

Note: Original top assemblies are no longer available. The Flue Collector and top assemblies must be replaced by the Indoor/Outdoor convertible top and Flue Collector. *Both items must be replaced at the same time.*



- Key No. 41 Outdoor Vent Cap
- 42 Indoor Draft Hood
- 45 Clip
- 39 Top Enclosure
- 84 Flue Collector, Upper Half
- 70 Heat Exchanger Tube Assembly
- 52 Header Gasket Assembly
- 61 Drain Plug
- 48,49 Header Bolt Assembly
- 73 Heat Exchanger Support Clip
- 47 Return Header
- 61 Drain Plug
- 78 Front and Rear Tile Cover
- 31 Siphon Loop Assembly
- 30 Pressure Switch
- 58 Grommets for Drain Plug
- 74 Insulation, Fiberglass
- 24 Wire Harness
- 21 Bezel, Temp Control Gasket
- 24A Control Gasket
- 14 Temperature Control
- 18 On-Off Switch
- 20 Thermostat Dial Logo
- 22,23 "Temp Lok"
- 17 Thermostat Knob
- 19 Temperature Control Plate Assembly
- 9 Valve Assembly
- 80 Door with Latch
- 3 Pilot Tubing
- 13 Burner Manifold
- 10 Gas Orifice
- 38 Fusible Link Assembly
- 4 Lighter Tube Orifice
- 5 Visoflame Lighter Tube
- 1,2 Pilot Burner Generator Assembly
- 7 Burner Tray Assembly
- 12 Burner Main

- Key No. 39 Top Enclosure
- 84 Flue Collector, Upper Half
- 82,83 Gap Closures
- 85 Flue Collector, Lower Half
- 72 Baffle Retainer
- 71 Heat Exchanger Baffle
- 15 "O" Ring Temp Control Bulb
- 16 Protector Sleeve, Bulb
- 46 Inlet/Outlet Header
- 63 Brass Plug
- 64,66 By-pass Valve Disc
- 65 By-pass Valve Rod
- 68 By-pass Valve Gasket, O Ring
- 67 By-pass Valve Cap
- 69 By-pass Valve Spring
- 53,54 Flange
- 57 Flange Bolt
- 55,56 Flange Gasket, Flange Sleeve
- 32,34 High-Limit Switch, 150°F
- 36 High-Limit Switch, 135°F
- 33,36 High-Limit Switch, 135°F
- 35 High-Limit Switch Retainer Clip
- 37 High-Limit Switch Cover
- 50,51 Nut for Headers
- 61 Drain Plug
- 59 Grommet for Drain Plug
- 60 Hole Plug
- 79 Side Tile Cover
- 81 Jacket Assembly
- 76,77 Front and Rear Tile
- 75 Side Tile
- 11 Burners Main with Pilot Bracket
- 8 Burner Tray, Shelf Only

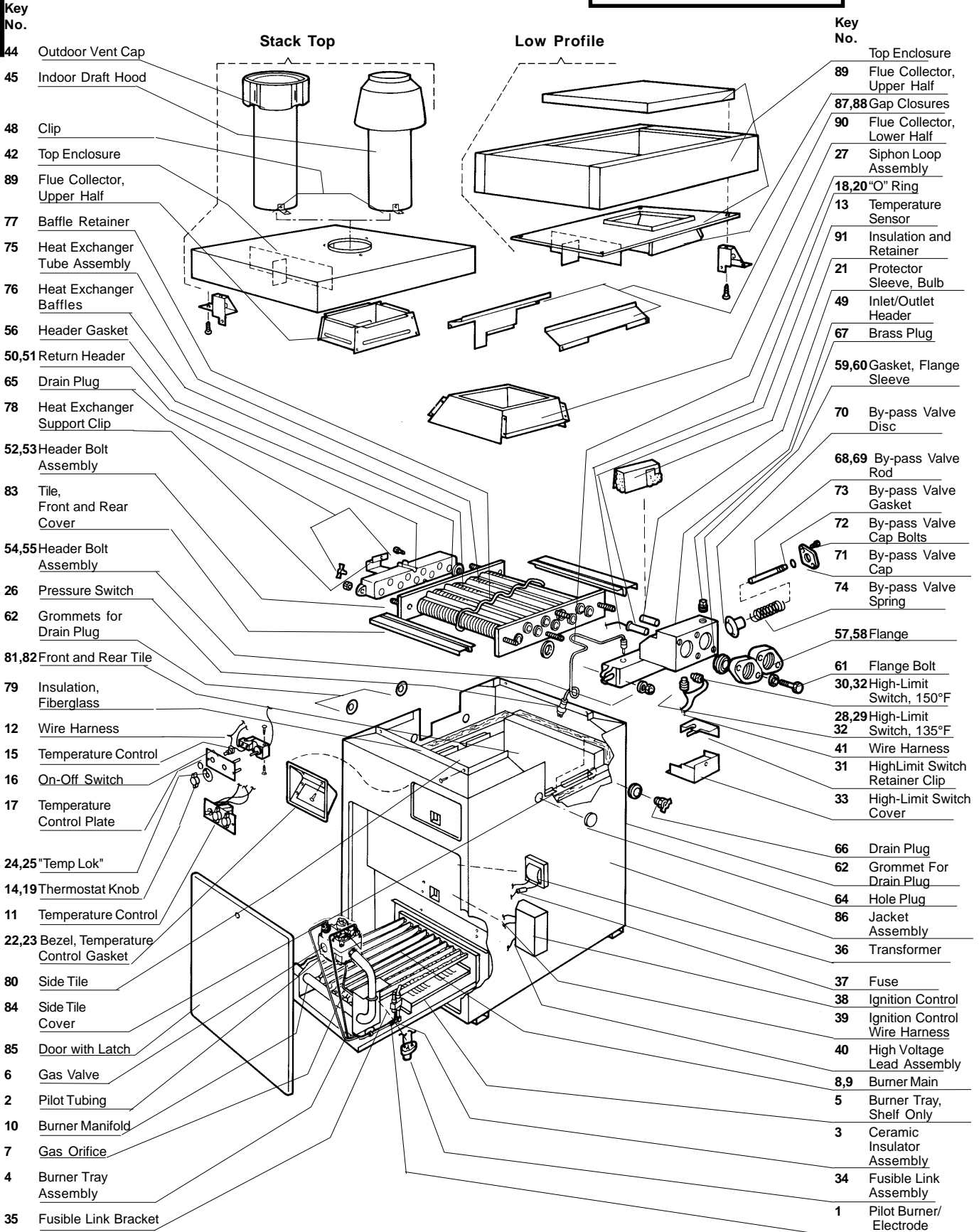
XE Pool Heaters — EG-125, 175, 250, 325 and 400

Key No.	Description	Model No.	ORDER PART NO.	Key No.	Description	Model No.	ORDER PART NO.
PILOT GAS SYSTEM							
1	Pilot Burner/Gen. Assembly, NAT (Note 6)	All	R0027500	58	Grommet for Drain Plug	All	S0098800
1	Pilot Burner/Gen. Assembly, LPG (Note 6)	All	R0027600	59	Grommet for Drain Plug	All	R0316300
2	Pilot Generator only	All	R0025500	60	Hole Plug	All	S0098700
3	Pilot Tubing	All	R0037000	61	Drain Plug (Note 6)	All	P0026800
4	Lighter Tube Orifice, NAT	All	W0018800	62	Drain Plug Bushing	All	P0018500
4	Lighter Tube Orifice, LPG	All	W0018900	63	Brass Plug, 3/4"	All	P0027000
5	Visoflame Lighter Tube	All	W0016200	64	By-Pass Assembly	All	R0013100
6	Visoflame Tubing	All	10369600	65	By-Pass Valve Rod	All	S0079800
MAIN GAS SYSTEM							
7	Burner Tray Assembly, NAT (Note 1)	125-400	10578001-05	66	By-Pass Valve Disc	All	R0011500
7	Burner Tray Assembly, LPG (Note 1)	125-400	10578101-05	67	By-Pass Valve Cap	All	10452201
8	Burner Tray, Shelf Only	125-400	R0317001-05	68	By-Pass Valve Gasket, "O" Ring	All	R0011400
9	Gas Valve Assembly, NAT (Note 6)	All	R0027700	69	By-Pass Valve Spring, White	125,175	S0061400
9	Gas Valve Assembly, LPG (Note 6)	All	R0027800	69	By-Pass Valve Spring, Red	250	S0061300
10	Gas Orifice, NAT (Note 1)	All	L0032200	69	By-Pass Valve Spring, Blue	325	S0061200
10	Gas Orifice, LPG (Note 1)	All	L0032900	69	By-Pass Valve Spring, Brown	400	S0061100
11	Burner, Main with Pilot Bracket	All	10457200	70	Heat Exchanger Tube Assembly	125-400	R0018101-05
12	Burner, Main	All	L0052300	71	Heat Exchanger Baffle	125-400	10697401-05
13	Burner Manifold (Note 8)	All		72	Baffle Retainer	All	S0083900
ELECTRICAL SYSTEM							
14	Temperature Control (Note 8)	All	R0058200	73	Heat Exchanger Support Clip	All	10457000
15	"O" Ring, Temperature Control Bulb	All	E0036300	FIREBOX COMPONENTS			
16	Protector Sleeve, Bulb	All	10444900	74	Insulation, Fiberglass (Sold by ft.)	All	T0002000
17	Thermostat Knob, Black	All	R0010700	75	Side Tile, 22 5/8" x 16 1/2"	All	T0021400
18	On-Off Switch	All	R0094100	76	Front Tile, 18 5/8" x 9 1/8"	125	T0021501
19	Temperature Control Plate Assembly	All	10456300	76	Front Tile, 18 5/8" x 12 1/8"	175	T0021502
20	Thermostat Dial Logo	All	H0105300	76	Front Tile, 18 5/8" x 16 5/8"	250	T0021503
21	Temperature Control Gasket	All	S0070000	76	Front Tile, 18 5/8" x 20 7/8"	325	T0021504
22	"Temp-Lok" Stop Plate	All	10456700	76	Front Tile, 18 5/8" x 25 7/8"	400	T0021505
23	Stop Plate Screw	All	F0033300	77	Rear Tile, 22 15/16" x 9 1/8"	125	T0021601
24	Wire Harness	All	R0058000	77	Rear Tile, 22 15/16" x 12 1/8"	175	T0021602
24A	Bezel	All	S0069800	77	Rear Tile, 22 15/16" x 16 5/8"	250	T0021603
30	Pressure Switch, 2 PSI	All	R0013200	77	Rear Tile, 22 15/16" x 20 7/8"	325	T0021604
30	Pressure Switch, 1 PSI	All	R0011300	77	Rear Tile, 22 15/16" x 25 7/8"	400	T0021605
30	Pressure Switch, 3 PSI	All	R0013000	78	Front and Rear Tile Cover	125-400	10314901-05
31	Siphon Loop Assembly	All	R0057800	79	Side Tile Cover	All	10167300
32	High-Limit Switch Assembly	All	R0023200	JACKET COMPONENT			
33	High-Limit Switch, 135°F	All	R0022700	80	Door with Latch	125-400	10448901-05
34	High-Limit Switch, 150°F	All	R0023000	81	Jacket Assembly, Less Top Assembly	125-400	10447901-05
35	High-Limit Switch Retainer Clip	All	10418400	82	Gap Closure, In/Out Side	All	10448200
36	High-Limit Switch Retainer Boot	All	S0098900	83	Gap Closure, Return Side	All	10448300
37	High-Limit Switch Cover	All	10418300	84	Flue Collector, Upper Half		N/A
38	Fusible Link Assembly (Note 2)	All	R0012200	85	Flue Collector, Lower Half		N/A
VENT SYSTEM							
39	Top Enclosure (Note 7)	125-400	R0081000 - R0081400	OPTIONAL EQUIPMENT			
	Flue Collector Assembly (Note 7) (not shown)	125-400	10564801-05		Pressure Relief Valve, 3/4" NPT, 75 PSI	All	R0040400
41	Outdoor Vent Cap	125-400	10561501-05		Touch Up Spray Paint	All	X0016000
42	Indoor Drafthood	125-400	10561401-05				
	Flue Transition Ring (not shown)	125-400	10515501-05				
	Adaptor Plate (not shown)	125-400	10535301-05				
45	Clip	All	10211000				
WATER SYSTEM							
46	Inlet/Outlet Header, 1 1/2"	All	R0058400	Notes:			
46	Inlet/Outlet Header, Bronze, 1 1/2"	All	R0054700	1. For altitudes higher than 2000 ft. above sea level, see appendix.			
47	Return Header,	All	R0058300	2. Heaters with Serial Nos. C8301166 and above.			
47	Return Header, Bronze	All	R0054600	3. Two included in assembly.			
48	Header Bolt Assembly	All	R0057000	4. Order assembly R0057000 for complete set of bolts.			
49	Bolt for Headers, 2 1/2"	All	F0046100	5. Available in bronze as assembly R0015000.			
50	Washer for Headers	All	F0011100	6. Current available substitute, includes accessory parts.			
51	Nut for Headers	All	F0003100	7. Converts top to indoor/outdoor grate top assembly.			
52	Header Gasket Assembly (Set of 18)	All	R0050800	8. See Appendix			
53	Flange & Gasket Assembly 1 1/2" (Note 3 & 5)	All	R0031900				
54	Flange, 1 1/2"	All	10309200				
55	Flange Gasket, 1 1/2"	All	S0053100				
56	Flange Sleeve, 1 1/2"	All	S0028000				
57	Flange Bolt	All	F0031700				

XE (ELECTRONIC) Pool and Spa Heaters — ES, ES II and EC-125, 175, 250, 325 and 400 Manufactured from 1984-1989

Note: Original top assemblies are no longer available. The Flue collector and top assemblies must be replaced by the Indoor/Outdoor convertible top and Flue Collector. **Both items must be replaced at the same time.**

Heaters



XE (ELECTRONIC) Pool and Spa Heaters — ES, ES II and EC-125, 175, 250, 325 and 400

Heaters

Key No.	Description	Model No.	ORDER PART NO.	No.	Description	No.	PART NO:
				WATER SYSTEM			
PILOT GAS SYSTEM				49	Inlet/Outlet Header, 1 1/2"	All	R0058400
1	Pilot Burner/Electrode, NAT	All	R0061600	50	Return Header	All	R0058300
2	Pilot Tubing	All	R0037000	51	Return Header, Bronze	All	R0054600
3	Ceramic Insulator Assembly	All	R0011600	52	Header Bolt Assembly	All	R0057000
MAIN GAS SYSTEM				53	Bolt for Headers, 2 1/2"	All	F0046100
4	Burner Tray Assembly, NAT (Note 1)	125-400	10458301-05	54	Washer for Headers	All	F0011100
5	Burner Tray, Shelf Only	125-400	R0317001-05	55	Nut for Headers	All	F0003100
6	Gas Valve, NAT, 1/2"	125-175	R0039200	56	Header Gasket Assembly (Set of 18)	All	R0050800
6	Gas Valve, NAT, 3/4"	250-400	R0099400	57	Flange & Gasket Assembly (Note 5 & 7)	All	R0031900
7	Gas Orifice, NAT (Note 1)	All	L0032200	58	Flange, 1 1/2"	All	10309200
8	Burner, Main	All	L0052300	59	Flange Gasket, 1 1/2"	All	S0053100
9	Burner, Main with Pilot Bracket	All	10457500	60	Flange Sleeve, 1 1/2"	All	S0028000
10	Burner Manifold (Note 10)			61	Flange Bolts, 2"	All	F0031700
ELECTRICAL SYSTEM				62	Grommet for Drain Plug	All	R0316300
11	Temperature Control Assy -ES, ES II (Note 10)	All	R0011700	63	Grommet, Slitted (not shown)	All	S0071100
12	Wire Harness	All	10457800	64	Hole Plug	All	S0098700
13	Temperature Sensor	All	R0011800	65	Drain Plug (Note 2)	All	P0026800
14	Knob, Single Bar	All	R0099900	66	Drain Plug Bushing	All	P0018500
15	Temperature Control Assembly - EC (Note 10)	All	R0318800	67	Brass Plug, 3/4"	All	P0027000
16	On-Off Switch	All	R0094100	68	By-Pass Assembly	All	R0013100
17	Temperature Control Plate	All	10456300	69	By-Pass Valve Rod	All	S0079800
18	"O" Ring, Temperature Control Bulb	All	E0036300	70	By-Pass Valve Disc	All	R0011500
Key Numbers 19 - 25 are for both R117 & R3188:				71	By-Pass Valve Cap	All	10452201
19	Thermostat Knob, Black	All	R0010700	72	By-Pass Valve Cap Bolt	All	F0041600
20	"O" Ring, Temperature Control Bulb	All	E0116400	73	By-Pass Valve Gasket, "O" Ring	All	R0011400
21	Protector Sleeve, Bulb	All	10444900	74	By-Pass Valve Spring, White	125,175	S0061400
22	Bezel	All	S0069800	74	By-Pass Valve Spring, Red	250	S0061300
23	Temperature Control Gasket	All	S0070000	74	By-Pass Valve Spring, Blue	325	S0061200
24	"Temp-Lok" Stop Plate	All	10583100	74	By-Pass Valve Spring, Black	400	S0070100
25	Stop Plate Screw	All	F0033300	75	Heat Exchanger Tube Assembly (Note 6)	125-400	R0018101-05
26	Pressure Switch, 2 PSI	All	R0013200	76	Heat Exchanger Baffle (8 Required)	125-400	10697401-05
26	Pressure Switch, 1 PSI	All	R0011300	77	Baffle Retainer	All	S0083900
26	Pressure Switch, 3 PSI	All	R0013000	78	Heat Exchanger Support Clip	All	10457000
27	Siphon Loop Assembly	All	R0057800	FIREBOX COMPONENTS			
28	High-Limit Switch Assembly	All	R0023200	79	Insulation, Fiberglass (Sold by ft.)	All	T0002000
29	High-Limit Switch, 135°F	All	R0022700	80	Side Tile, 22 5/8" x 16 1/2"	All	T0021400
30	High-Limit Switch, 150°F	All	R0023000	81	Front Tile, 18 5/8" x 9 1/8"	125	T0021501
31	High-Limit Switch Retainer Clip	All	10418400	81	Front Tile, 18 5/8" x 12 1/8"	175	T0021502
32	High-Limit Switch Retainer Boot	All	S0098900	81	Front Tile, 18 5/8" x 16 1/8"	250	T0021503
33	High-Limit Switch Cover	All	10418300	81	Front Tile, 18 5/8" x 20 7/8"	325	T0021504
34	Fusible Link Assembly	All	R0012200	81	Front Tile, 18 5/8" x 25 7/8"	400	T0021505
35	Fusible Link Bracket	All	10479900	82	Rear Tile, 22 15/16" x 9 1/8"	125	T0021601
36	Transformer (115V-230V/24V)	All	R0061100	82	Rear Tile, 22 15/16" x 12 1/8"	175	T0021602
37	Fuse Packet, 1.5 Amp.	All	R0012300	82	Rear Tile, 22 15/16" x 16 5/8"	250	T0021603
38	Ignition Control (Notes 3,4)	All	R0011900	82	Rear Tile, 22 15/16" x 20 7/8"	325	T0021604
39	Ignition Control Wire Harness - ES, ES II	All	R0059800	82	Rear Tile, 22 15/16" x 25 7/8"	400	T0021605
40	High Voltage Lead Assembly	All	10449513	83	Front and Rear Tile Cover	125-400	10314901-05
40	High Voltage Lead Assembly (Note 8)	All	R0012100	84	Side Tile Cover	All	10167300
41	Wire Harness, Complete (not shown)	All	R0058100	JACKET COMPONENTS			
VENT SYSTEM				85	Door with Latch	125-400	10448901-05
42	Top Enclosure (Note 9)	125-400	R0081000- R0081400	86	Jacket Assembly, Less Top Assembly	125-400	10447901-05
43	Flue Collector Assembly (Note 9) (not shown)	125-400	10564801-05	87	Gap Closure, In/Out Side	All	10448200
44	Outdoor Vent Cap	125-400	10451501-05	88	Gap Closure, Return Side	All	10448300
45	Indoor Drafthood	125-400	10561401-05	89	Flue Collector, Upper Half	All	N/A
46	Flue Transition Ring (not shown)	125-400	10515501-05	90	Flue Collector, Lower Half	All	N/A
47	Adapter Plate (not shown)	125-400	10535301-05	91	Insulation & Retainer	All	10462200
48	Clip	All	10211000	OPTIONAL ACCESSORIES (ES, ESII)			
					Remote Control	All	R0058500
					Wire Harness for Remote Control	All	R0058700
					Pressure Relief Valve, 3/4" NPT, 75 PSI	All	R0040400
					Touch Up Spray Paint	All	X0016000

Notes:

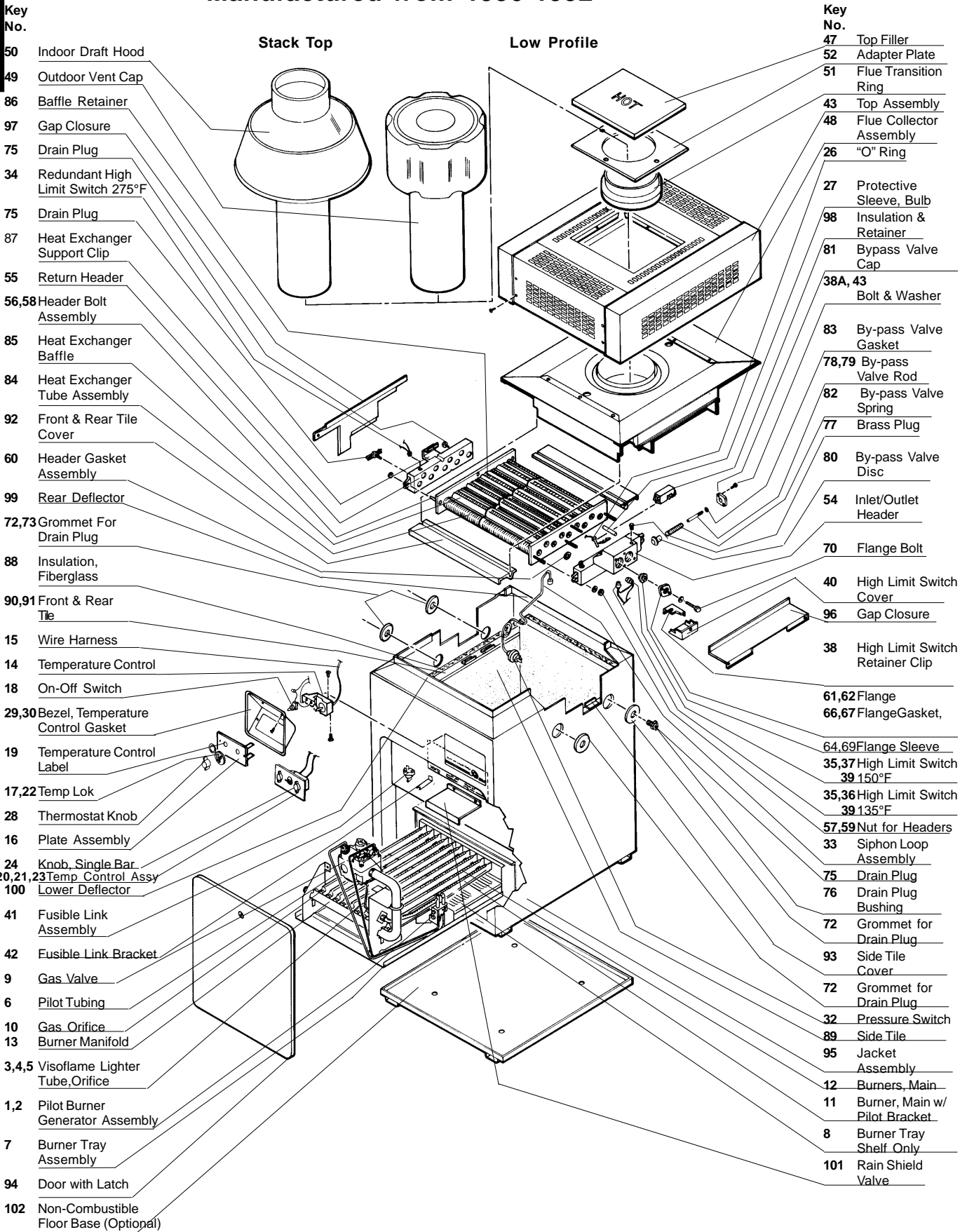
- For altitudes higher than 2000 ft. above sea level, see appendix.
- Current available substitute.
- Ignition Control R0011900 can be used with all (24V) valves.
- Supplied on heaters with serial numbers E9027185 and above.
- Two included in assembly.
- Order assembly R0057000 for complete set of bolts.

Notes, continued

- Available in bronze as assembly R0015000.
- For headers with H/W Ignition Controls S86F or S86E only.
- Coverts top to indoor/outdoor grate top.
- See Appendix

Heaters

SERIES ONE Pool and Spa Heaters — EPG & EPM-125, 175, 250, 325 and 400
Manufactured from 1990-1992



SERIES ONE Pool and Spa Heaters — EPG & EPM-125, 175, 250, 325 and 400

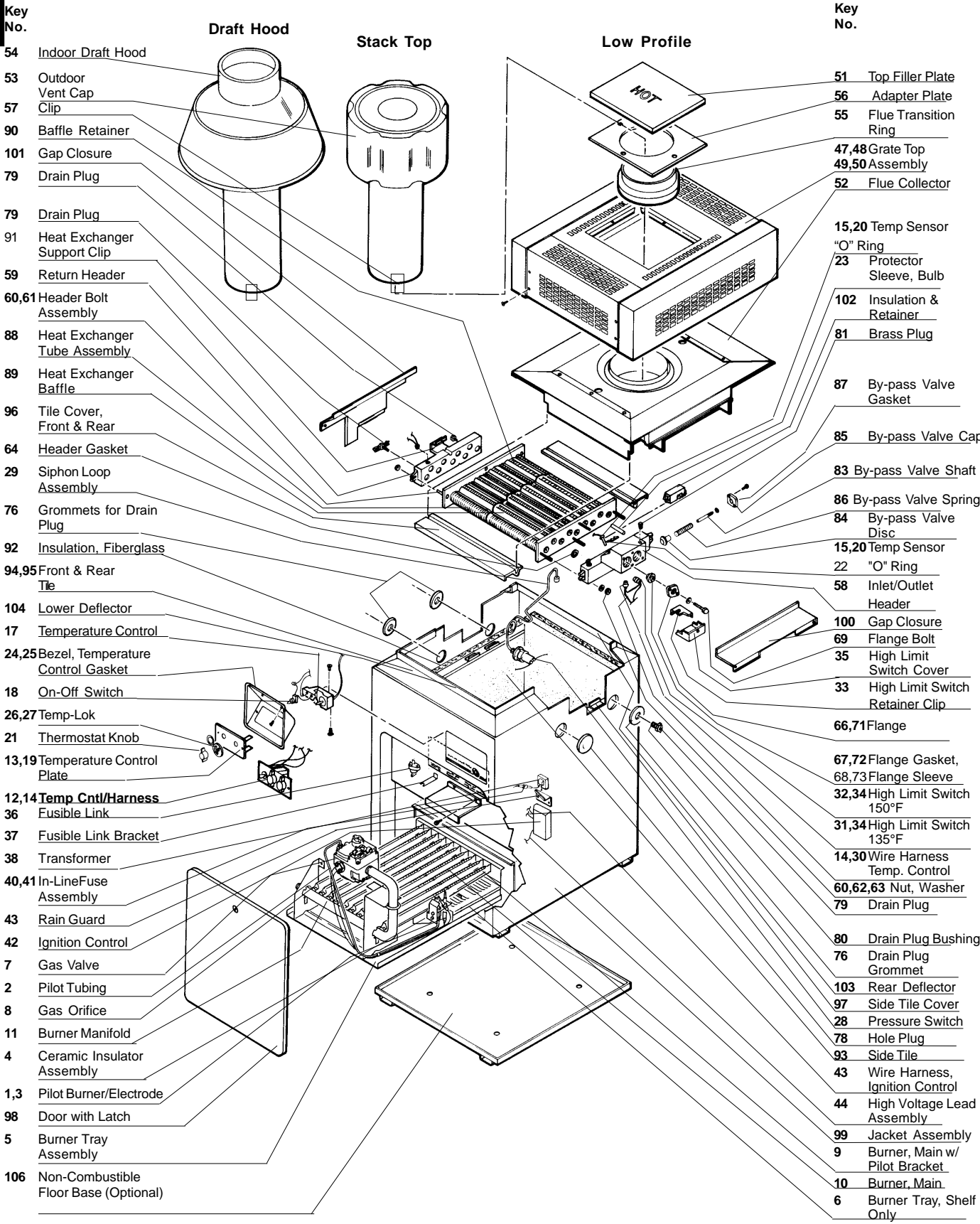
Heaters

Key No.	Model Description	ORDER No.	PART NO:
PILOT GAS SYSTEM			
1	Pilot Burner/Gen. Assembly, NAT	All	R0027500
1	Pilot Burner/Gen. Assembly, LPG	All	R0027600
2	Pilot Generator	All	W0036901
2	Pilot Generator (Note 3)	All	R0025500
3	Visoflame Tubing	All	10369600
4	Lighter Tube Orifice, NAT	All	W0018800
4	Lighter Tube Orifice, LPG	All	W0018900
5	Visoflame Lighter Tube	All	W0016200
6	Pilot Tubing	All	R0037000
MAIN GAS SYSTEM			
7	Burner Tray Assembly, NAT (Note 1)	125-400	10578001-05
7	Burner Tray Assembly, LPG (Note 1)	125-400	10578101-05
8	Burner Tray, Shelf Only	125-400	R0317001-05
9	Gas Valve Assembly, NAT (Note 6)	All	R0027700
9	Gas Valve Assembly, LPG (Note 6)	All	R0027800
9	Gas Valve, NAT (Note 5)	All	R0027300
9	Gas Valve, LPG (Note 5)	All	R0027400
10	Gas Orifice, NAT (Note 1)	All	L0032200
10	Gas Orifice, LPG (Note 1)	All	L0032900
11	Burner, Main w/Pilot Bracket	All	10457200
12	Burner, Main	All	L0052300
13	Burner Manifold (Note 8)		
ELECTRICAL SYSTEM			
14	Temperature Control Assembly - EPG (Note 8)	All	R0058200
15	Wire Harness	All	R0058000
16	Plate Assembly	All	10456300
17	"Temp-Lok" Stop Plate	All	10456700
18	On-Off Switch	All	R0094100
19	Temperature Control Label	All	H0105300
20	Temperature Control Assy Elec/MV - EPM (Note 8)	All	R0015600
21	Wire Harness	All	10580600
22	"Temp-Lok" Stop Plate	All	10583100
23	Temperature Control Label	All	H0166500
24	Knob, Single Bar	All	R0099900
Key Items 25 -31 are for both R0058200 & R0015600			
25	Temperature Sensor	All	R0011800
26	"O" Ring, Temperature Control Bulb	All	E0116400
27	Protector Sleeve, Bulb	All	10444900
28	Thermostat Knob, Black	All	R0010700
29	Temperature Control Gasket	All	S0070000
30	Bezel	All	S0069800
31	Stop Plate Screw	All	F0033300
32	Pressure Switch, 2 PSI	All	R0013200
32	Pressure Switch, 1 PSI	All	R0011300
32	Pressure Switch, 3 PSI	All	R0013000
33	Siphon Loop Assembly	All	R0057800
34	High-Limit Switch, Redundant 275°F	All	R0012800
35	High-Limit Switch Assembly	All	R0023200
36	High-Limit Switch, 135°F	All	R0022700
37	High-Limit Switch, 150°F	All	R0023000
38	High-Limit Switch Retainer Clip	All	10418400
39	High-Limit Switch Retainer Boot	All	S0098900
40	High-Limit Switch Cover	All	10418300
41	Fusible Link Assembly	All	R0012200
42	Fusible Link Bracket	All	10479900
VENT SYSTEM			
43	Top Assembly	All	R0081000 - R0081400
44	Grating, Front/Rear	All	10563001-05
45	Grating, Sides	All	10518100
46	Top Panel	125-400	10517801-05
47	Top Filler	125-400	10535201-05
48	Flue Collector Assy	125-400	10564801-05
49	Outdoor Vent Cap	125-400	10561501-05
50	Indoor Drafthood	125-400	10561401-05
51	Flue Transition Ring	125-400	10515501-05
52	Adapter Plate	125-400	10535301-05
53	Clip	All	10211000
WATER SYSTEM			
54	Inlet/Outlet Header, 1 1/2"	All	R0058400
54	Inlet/Outlet Header, Bronze, 1 1/2"	All	R0054700
54	Inlet/Outlet Header 2"	All	R0056400
54	Inlet/Outlet Header, Bronze, 2"	All	R0016800
55	Return Header	All	R0058300
55	Return Header, Bronze	All	R0054600

Key No.	Model Description	ORDER No.	PART NO:
56	Header Bolt Assembly	All	R0057000
57	Nut for Headers	All	F0003100
58	Bolt for Headers, 2 1/2"	All	F0046100
59	Washer for Headers	All	F0011100
60	Header Gasket Assembly (Set of 18)	All	R0050800
61	Flange & Gasket Assembly, 1 1/2" (Note 4 & 9)	All	R0031900
62	Flange, 1 1/2"	All	10309200
63	Flange Gasket, 1 1/2"	All	S0053100
64	Flange Sleeve, 1 1/2"	All	S0028000
65	Flange Bolt	All	F0031700
66	Flange & Gasket Assembly, 2"	All	R0055000
67	Flange, 2"	All	10573500
68	Flange Gasket, 2"	All	S0078000
69	Flange Sleeve, 2"	All	S0078200
70	Flange Bolt	All	F0031700
71	Flange Gasket 1 1/2 - 2"	All	S0078100
72	Grommet for Drain Plug	All	R0316300
73	Grommet, Slitted	All	S0071100
74	Hole Plug	All	S0098700
75	Drain Plug (Note 7)	All	P0026800
76	Drain Plug Bushing	All	P0018500
77	Brass Plug, 3/4"	All	P0027000
78	By-Pass Assembly	All	R0013100
79	By-Pass Valve Rod	All	S0079800
80	By-Pass Valve Disc	All	R0011500
81	By-Pass Valve Cap	All	10452200
82	By-Pass Valve Spring (Note 8)		
83	By-Pass Valve Gasket	All	R0011400
84	Heat Exchanger Tube Assembly (Note 2)	125-400	R0018101-05
85	Heat Exchanger Baffle (8 Required)	125-400	10697401-05
86	Baffle Retainer	All	S0083900
87	Heat Exchanger Support Clip	All	10457001
FIREBOX COMPONENTS			
88	Insulation, Fiberglass (Sold by Ft.)	All	T0002000
89	Side Tile, 22 3/8" x 16 1/2"	All	T0021400
90	Front Tile, 18 5/8" x 9 1/8"	125	T0021501
90	Front Tile, 18 5/8" x 12 1/8"	175	T0021502
90	Front Tile, 18 5/8" x 16 1/8"	250	T0021503
90	Front Tile, 18 5/8" x 20 7/8"	325	T0021504
90	Front Tile, 18 5/8" x 25 7/8"	400	T0021505
91	Rear Tile, 22 15/16" x 9 1/8"	125	T0021601
91	Rear Tile, 22 15/16" x 12 1/8"	175	T0021602
91	Rear Tile, 22 15/16" x 16 5/8"	250	T0021603
91	Rear Tile, 22 15/16" x 20 7/8"	325	T0021604
91	Rear Tile, 22 15/16" x 25 7/8"	400	T0021605
92	Front and Rear Tile Cover	125-400	10314901-05
93	Side Tile Cover	All	10167300
JACKET COMPONENTS			
94	Door with Latch	125-400	10448901-05
95	Jacket Assembly, Less Top Assembly	125-400	10447901-05
96	Gap Closure In/Out Side	All	10448200
97	Gap Closure, Return Side	All	10448300
98	Insulation and Retainer	All	10462200
99	Rear Deflector	125-400	10563701-05
100	Lower Deflector	125-400	10563601-05
101	Rain Shield Valve	All	10523300
OPTIONAL COMPONENTS			
102	Non-Combustible Floor Base	125-400	10521701-05
	Pressure Relief Valve, 3/4" NPT, 75 PSI	All	R0040400
	Flue Collar	125-400	10542201-05
	Touch Up Spray Paint	All	X0016000
Notes:			
1. For altitudes higher than 2000 feet above sea level consult factory for orifice size.			
2. Order assembly R0057000 for complete set of bolts.			
3. Direct replacement for heaters with G/C Pilot Burner/Generator assemblies.			
4. Available in bronze as assembly R0015000.			
5. Direct replacement for heaters with serial numbers 8744310 and above.			
6. Current available substitute with accessory parts included. Applies to heaters with serial numbers 8744309 and below.			
7. Current available replacement.			
8. See Appendix			
9. Two included in assembly.			

**SERIES ONE Pool and Spa Heaters — EPS and EPC-125, 175, 250, 325 & 400
Manufactured from 1990-1992**

Heaters



- Key No. 54 Indoor Draft Hood
- 53 Outdoor Vent Cap
- 57 Clip
- 90 Baffle Retainer
- 101 Gap Closure
- 79 Drain Plug
- 79 Drain Plug
- 91 Heat Exchanger Support Clip
- 59 Return Header
- 60,61 Header Bolt Assembly
- 88 Heat Exchanger Tube Assembly
- 89 Heat Exchanger Baffle
- 96 Tile Cover, Front & Rear
- 64 Header Gasket
- 29 Siphon Loop Assembly
- 76 Grommets for Drain Plug
- 92 Insulation, Fiberglass
- 94,95 Front & Rear Tile
- 104 Lower Deflector
- 17 Temperature Control
- 24,25 Bezel, Temperature Control Gasket
- 18 On-Off Switch
- 26,27 Temp-Lok
- 21 Thermostat Knob
- 13,19 Temperature Control Plate
- 12,14 Temp Cntl/Harness
- 36 Fusible Link
- 37 Fusible Link Bracket
- 38 Transformer
- 40,41 In-Line Fuse Assembly
- 43 Rain Guard
- 42 Ignition Control
- 7 Gas Valve
- 2 Pilot Tubing
- 8 Gas Orifice
- 11 Burner Manifold
- 4 Ceramic Insulator Assembly
- 1,3 Pilot Burner/Electrode
- 98 Door with Latch
- 5 Burner Tray Assembly
- 106 Non-Combustible Floor Base (Optional)

- Key No. 51 Top Filler Plate
- 56 Adapter Plate
- 55 Flue Transition Ring
- 47,48 Grate Top
- 49,50 Assembly
- 52 Flue Collector
- 15,20 Temp Sensor "O" Ring
- 23 Protector Sleeve, Bulb
- 102 Insulation & Retainer
- 81 Brass Plug
- 87 By-pass Valve Gasket
- 85 By-pass Valve Cap
- 83 By-pass Valve Shaft
- 86 By-pass Valve Spring
- 84 By-pass Valve Disc
- 15,20 Temp Sensor
- 22 "O" Ring
- 58 Inlet/Outlet Header
- 100 Gap Closure
- 69 Flange Bolt
- 35 High Limit Switch Cover
- 33 High Limit Switch Retainer Clip
- 66,71 Flange
- 67,72 Flange Gasket, 68,73 Flange Sleeve
- 32,34 High Limit Switch 150°F
- 31,34 High Limit Switch 135°F
- 14,30 Wire Harness Temp. Control
- 60,62,63 Nut, Washer
- 79 Drain Plug
- 80 Drain Plug Bushing
- 76 Drain Plug Grommet
- 103 Rear Deflector
- 97 Side Tile Cover
- 28 Pressure Switch
- 78 Hole Plug
- 93 Side Tile
- 43 Wire Harness, Ignition Control
- 44 High Voltage Lead Assembly
- 99 Jacket Assembly
- 9 Burner, Main w/ Pilot Bracket
- 10 Burner, Main
- 6 Burner Tray, Shelf Only

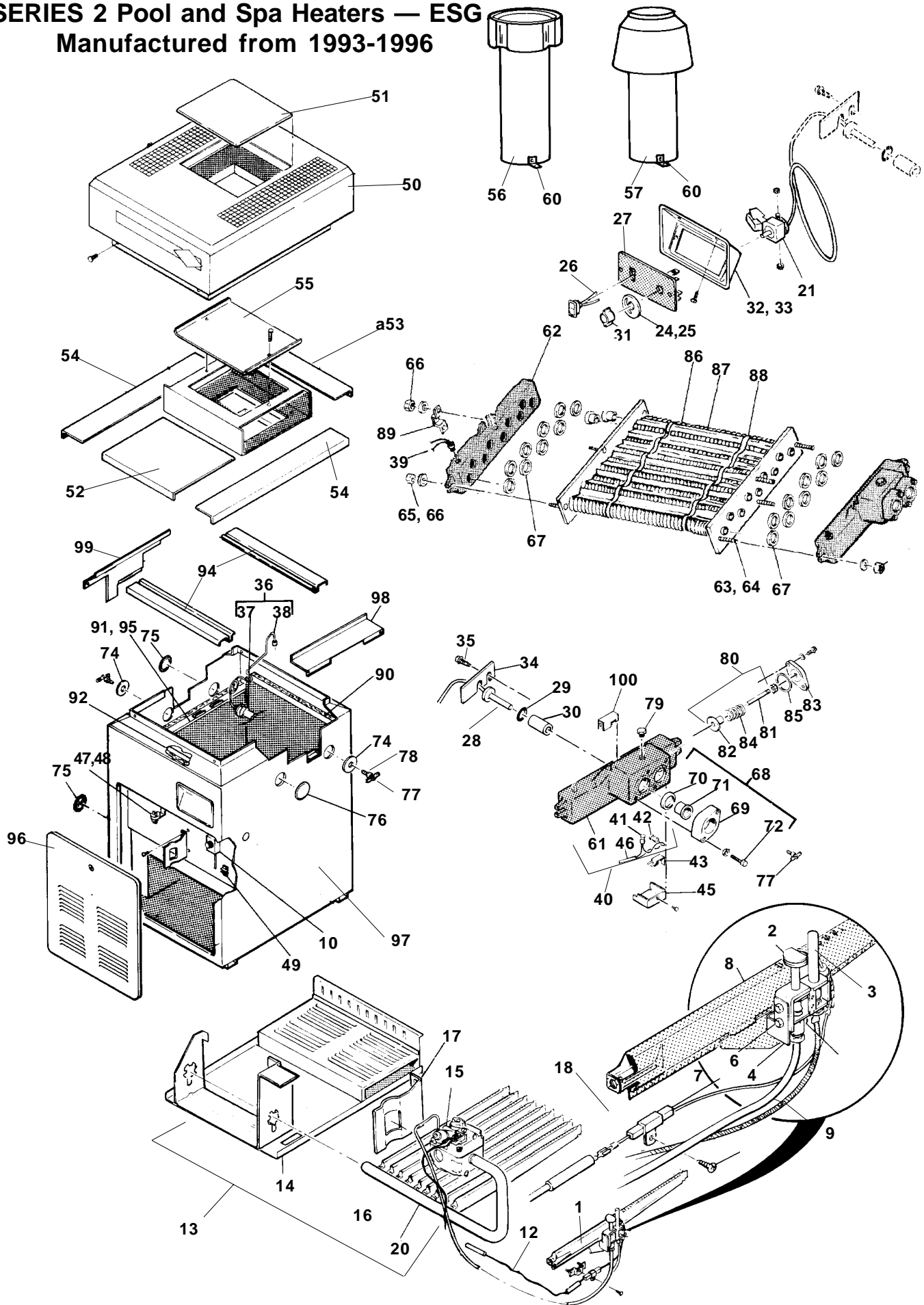
SERIES ONE Pool and Spa Heaters — EPS & EPC-125, 175, 250, 325 & 400

Heaters

Key No.	Description	Model No.	ORDER PART NO.	Key No.	Description	Model No.	ORDER PART NO.
PILOT GAS SYSTEM							
1	Pilot Burner/Electrode, NAT	All	R0061600	59	Return Header	All	R0058300
1	Pilot Burner, LPG	All	W0038300	59	Return Header, Bronze	All	R0054600
2	Pilot Tubing	All	R0037000	60	Header Bolt Assembly	All	R0057000
3	Flame Sensor, LPG	All	W0037500	61	Bolt for Headers, 2 1/2"	All	F0046100
4	Ceramic Insulator Assembly	All	R0011600	62	Washer for Headers	All	F0011100
MAIN GAS SYSTEM							
5	Burner Tray Assembly, NAT (Note 1)	125-400	10458301-05	63	Nut for Headers	All	F0003100
5	Burner Tray Assembly, LPG (Note 1)	125-400	10610801-05	64	Header Gasket Assembly (Set of 18)	All	R0050800
6	Burner Tray, Shelf Only	125-400	R0317001-05	65	Flange & Gasket Assembly, 1 1/2" (Note 3 & 7)	All	R0031900
7	Gas Valve, NAT	125-175	R0039200	66	Flange, 1 1/2"	All	10309200
7	Gas Valve, NAT	250-400	R0038400	67	Flange Gasket, 1 1/2"	All	S0053100
7	Gas Valve, LPG	All	R0028200	68	Flange Sleeve, 1 1/2"	All	S0028000
8	Gas Orifice, NAT (Note 1)	All	L0032200	69	Flange Bolt	All	F0031700
8	Gas Orifice, LPG (Note 1)	All	L0032900	70	Flange & Gasket Assembly, 2" (Note 7)	All	R0055000
9	Burner, Main w/Pilot Bracket	All	10457500	71	Flange, 2"	All	10573500
10	Burner, Main	All	L0052300	72	Flange Gasket, 2"	All	S0078000
11	Burner Manifold (Note 6)	All		73	Flange Sleeve, 2"	All	S0078200
ELECTRICAL SYSTEM							
12	Temperature Control Assy-EPS, EPC II (Note 6)	All	R0011700	74	Flange Bolt	All	F0031700
13	Temperature Control Plate	All	10594600	75	Flange Gasket 1 1/2 - 2"	All	S0078100
14	Wire Harness	All	10457800	76	Grommet for Drain Plug	All	R0316300
15	Temperature Sensor	All	R0011800	77	Grommet, Slitted	All	S0071100
16	Knob, Single Bar	All	R0099900	78	Hole Plug	All	S0098700
17	Temperature Control Assembly - EPC (Note 6)	All	R0318800	79	Drain Plug (Note 5)	All	P0026800
18	On-Off Switch	All	R0094100	80	Drain Plug Bushing	All	P0018500
19	Temperature Control Plate	All	10456300	81	Brass Plug, 3/4"	All	P0027000
20	"O" Ring, Temperature Control Bulb	All	E0036300	82	By-Pass Assembly	All	R0013100
20A	Wire Harness	All	R0058000	83	By-Pass Valve Rod	All	S0079800
Items 21 - 27 are for both R117 & R3188:							
21	Thermostat Knob, Black	All	R0010700	84	By-Pass Valve Disc	All	R0011500
22	"O" Ring, Temperature Control Bulb	All	E0116400	85	By-Pass Valve Cap	All	10452200
23	Protector Sleeve, Bulb	All	10444900	86	By-Pass Valve Spring (Note 6)		
24	Bezel	All	S0069800	87	By-Pass Valve Gasket	All	R0011400
25	Temperature Control Gasket	All	S0070000	88	Heat Exchanger Tube Assembly (Note 2)	125-400	R0018101-05
26	"Temp-Lok" Stop Plate	All	10583100	89	Heat Exchanger Baffle (8 Required)	125-400	10697401-05
27	Stop Plate Screw	All	F0033300	90	Baffle Retainer	All	S0083900
28	Pressure Switch, 1 PSI	All	R0011300	91	Heat Exchanger Support Clip	All	10457001
28	Pressure Switch, 2 PSI	All	R0013200	FIREBOX COMPONENTS			
28	Pressure Switch, 1-10 PSI	All	R0015500	92	Insulation, Fiberglass (Sold by Ft.)	All	T0002000
29	Siphon Loop Assembly	All	R0057800	93	Side Tile, 22 3/8" x 16 1/2"	All	T0021400
30	High-Limit Switch Assembly	All	R0023200	94	Front Tile, 18 5/8" x 9 1/8"	125	T0021501
31	High-Limit Switch, 135°F	All	R0022700	94	Front Tile, 18 5/8" x 12 1/8"	175	T0021502
32	High-Limit Switch, 150°F	All	R0023000	94	Front Tile, 18 5/8" x 16 1/8"	250	T0021503
33	High-Limit Switch Retainer Clip	All	10418400	94	Front Tile, 18 5/8" x 20 7/8"	325	T0021504
34	High-Limit Switch Retainer Boot	All	S0098900	94	Front Tile, 18 5/8" x 25 7/8"	400	T0021505
35	High-Limit Switch Cover	All	10418300	95	Rear Tile, 22 15/16" x 9 1/8"	125	T0021601
36	Fusible Link Assembly	All	R0012200	95	Rear Tile, 22 15/16" x 12 1/8"	175	T0021602
37	Fusible Link Bracket	All	10479900	95	Rear Tile, 22 15/16" x 16 5/8"	250	T0021603
38	Transformer (115V-230V/24V)	All	R0061100	95	Rear Tile, 22 15/16" x 20 7/8"	325	T0021604
39	Wire Harness Complete EPS, EPC II (not shown)	All	R0058100	95	Rear Tile, 22 15/16" x 25 7/8"	400	T0021605
40	Fuse Packet, 1.25 Amp	All	R0012300	96	Front and Rear Tile Cover	125-400	10314901-05
41	In-Line Fuse Assembly	All	10480000	97	Side Tile Cover	All	10167300
42	Ignition Control, NAT	All	R0011900	JACKET COMPONENTS			
42	Ignition Control, LPG	All	E0112300	98	Door with Latch	125-400	10448901-05
43	Ignition Control Wire Harness	All	R0059800	99	Jacket Assembly, Less Top Assembly	125-400	10447901-05
43	Ignition Control Rain Guard	All	N/A	100	Gap Closure In/Out Side	All	10448200
44	High Voltage Lead Assembly, NAT	All	10449513	101	Gap Closure, Return Side	All	10448300
44	High Voltage Lead Assembly, NAT (Note 4)	All	R0012100	102	Insulation and Retainer	All	10462200
44	High Voltage Lead Assembly, LPG (Red Wire)	All	R0012100	103	Rear Deflector	125-400	10563701-05
45	Sensor Wire, LPG (not shown)	All	E0112900	104	Lower Deflector	125-400	10563601-05
46	Ignition Wire, LPG (Orange Wire) (not shown)	All	E0112800	105	Rain Shield Valve	All	10523300
VENT SYSTEM							
47	Grate Top Assembly	All	R0081000 - R0081400	OPTIONAL COMPONENTS			
48	Grating, Front/Rear	All	10563021-05	106	Non-Combustible Floor Base	125-400	10521701-05
49	Grating, Sides	All	10518100		Remote Control Wire Harness - EPC II / EPS	All	R0058700
50	Top Panel	125-400	10517801-05		Remote Control	All	R0058500
51	Top Filler	125-400	10535201-05		Pressure Relief Valve 3/4" NPT, 75 PSI	All	R0040400
52	Flue Collector Assembly	125-400	10564801-05		Touch Up Spray Paint	All	X0016000
53	Outdoor Vent Cap	125-400	10561501-05	Notes: 1. For altitudes higher than 2000 ft. above sea level consult factory for orifice size. 2. Order assembly R0057000 for complete set of bolts. 3. Available in bronze as assembly R0015000. 4. For heaters with H/W Ignition Control S86F or 286E only. 5. Current available substitute. 6. See Appendix 7. Two included in assembly			
54	Indoor Drafthood	125-400	10561401-05				
55	Flue Transition Ring	125-400	10515501-05				
56	Adapter Plate	125-400	10535301-05				
57	Clip	All	10211000				
WATER SYSTEM							
58	Inlet/Outlet Header, 1 1/2"	All	R0058400				
58	Inlet/Outlet Header, Bronze, 1 1/2"	All	R0054700				
58	Inlet/Outlet Header, 2"	All	R0056400				
58	Inlet/Outlet Header, Bronze, 2"	All	R0016800				

SERIES 2 Pool and Spa Heaters — ESG Manufactured from 1993-1996

Heaters



SERIES 2 Pool and Spa Heaters — ESG

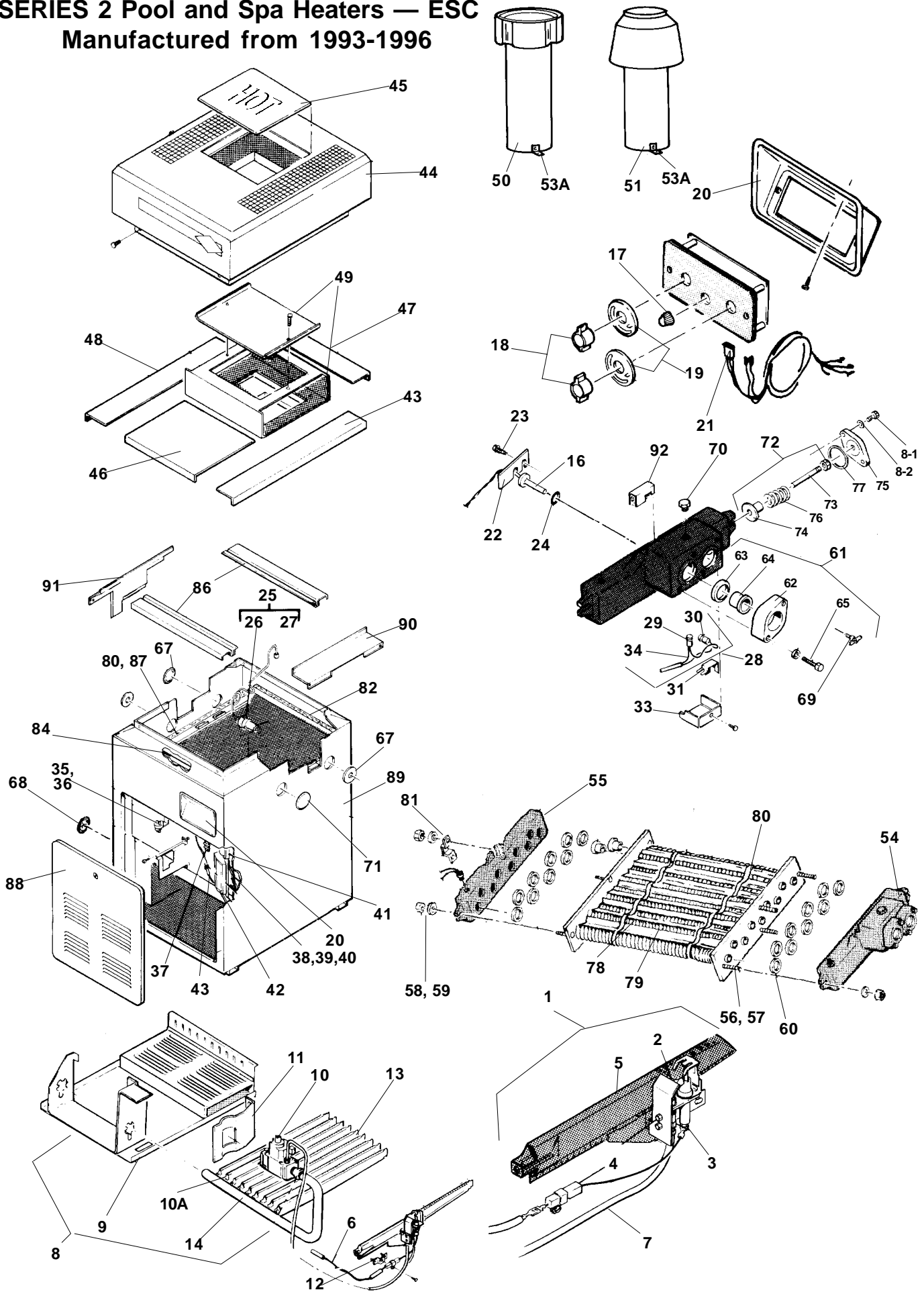
Heaters

Key No	Description	Model No	ORDER PART NO	Key No	Description	Model No	ORDER PART NO
PILOT GAS SYSTEM							
1	Pilot, Main Burner Assembly, NAT	All	R0099100	62	Return Header	All	R0058300
1	Pilot, Main Burner Assembly, LPG	All	R0099200	62	Return Header, Bronze	All	R0054600
2	Pilot Burner, NAT	All	R0096700	63	Header Bolt Assembly	All	R0057000
2	Pilot Burner, LPG	All	R0096600	64	Bolt for Headers, 2 1/2"	All	F0046100
3	Pilot Generator	All	W0036901	65	Washer for Headers	All	F0011100
4	Pilot Bracket Adapter	All	10576400	66	Nut for Headers	All	F0003100
5	Pilot Shield	All	10890200	67	Header Gasket Assembly (Set of 18)	All	R0050800
6	Pilot Bracket Screw	All	F0031300	68	Flange & Gasket Assembly (Note 4 & 5)	All	R0055000
7	Ceramic Insulator Assembly	All	R0099300	69	Flange, 2"	All	10573500
8	Burner, Main w/Pilot Brkt	All	10457500	70	Flange Gasket, 2"	All	S0078000
9	Pilot Tubing	All	R0037000	71	Flange Sleeve, 2"	All	S0078200
10	Piezo Lighter Assembly	All	R0096800	72	Flange Bolt	All	F0031700
11	Piezo Lighter Knob	All	R0097000	73	Flange Gasket, 1 1/2 - 2" (Not Shown)	All	S0078100
12	High Voltage Lead Assembly	All	R0098900	74	Grommet for Drain Plug	All	R0316300
MAIN GAS ASSEMBLY							
13	Burner Tray Assembly, NAT (Note 1)	125-400	R0098601-05	75	Grommet, Slitted	All	S0071100
13	Burner Tray Assembly, LPG (Note 1)	125-400	R0098701-05	76	Hole Plug	All	S0098700
14	Burner Tray, Shelf Only	125-400	R0317001-05	77	Drain Plug	All	P0026800
15	Gas Valve, NAT	All	R0096400	78	Drain Plug Bushing	All	P0018500
15	Gas Valve, LPG	All	R0096900	79	Brass Plug, 3/4"	All	P0027000
16	Gas Orifice, NAT (Note 1)	All	L0032200	80	By-Pass Assembly	All	R0013100
16	Gas Orifice, LPG (Note 1)	All	L0032900	81	By-Pass Valve Rod	All	R0054800
17	Anti-Rotation Bracket	All	10577200	82	By-Pass Valve Disc	All	S0074300
18	Mounting Bracket Assembly	All	10419200	83	By-Pass Valve Control Cap	All	10452200
19	Burner, Main	All	L0052300	84	By-Pass Valve Spring, Purple	125	S0079900
20	Burner Manifold (Note 3)			84	By-Pass Valve Spring, White	175	S0061400
ELECTRICAL SYSTEM							
21	Temperature Control Assembly	All	R0058200	84	By-Pass Valve Spring, Red	250	S0061300
22	Wire Harness (Not Shown)	All	R0058000	84	By-Pass Valve Spring, Blue	325	S0061200
23	Plate Assembly	All	10456300	84	By-Pass Valve Spring, Black	400	S0070100
24	"Temp-Lok" Stop Plate	All	10456700	85	By-Pass Valve Gasket	All	R0011400
25	Stop Plate Screw	All	F0033300	86	Heat Exchanger Tube Assembly	125-400	R0018101-05
26	On-Off Switch	All	R0094100	87	Heat Exchanger Baffle (8 Required)	125-400	10697401-05
27	Temperature Control Label	All	H0105300	88	Baffle Retainer	All	S0083900
28	Temperature Sensor	All	R0011800	89	Heat Exchanger Support Clip	All	10457000
29	"O" Ring, Temp Control Bulb	All	E0116400	FIREBOX COMPONENTS			
30	Protector Sleeve, Bulb	All	10444900	90	Insulation, Fiberglass (Sold by Ft.)	All	T0002000
31	Thermostat Knob, Black	All	R0010700	91	Side Tile, 22 3/8" x 16 1/2"	All	T0021400
32	Temperature Control Gasket	All	S0070000	92	Front Tile, 18 5/8" x 9 1/8"	125	T0021501
33	Bezel	All	S0069800	92	Front Tile, 18 5/8" x 12 1/8"	175	T0021502
34	Retainer Bracket	All	10447300	92	Front Tile, 18 5/8" x 16 1/8"	250	T0021503
35	Retainer Bracket Screw	All	F0009100	92	Front Tile, 18 5/8" x 20 7/8"	325	T0021504
36	Pressure Switch & Siphon Loop Assembly	All	R0097600	92	Front Tile, 18 5/8" x 25 7/8"	400	T0021505
37	Pressure Switch, 2 PSI	All	R0013200	93	Rear Tile, 22 15/16" x 9 1/8"	125	T0021601
37	Pressure Switch, 1 PSI	All	R0011300	93	Rear Tile, 22 15/16" x 12 1/8"	175	T0021602
37	Pressure Switch, 1-10 PSI	All	R0015500	93	Rear Tile, 22 15/16" x 16 5/8"	250	T0021603
38	Siphon Loop Assembly	All	R0057800	93	Rear Tile, 22 15/16" x 20 7/8"	325	T0021604
39	High-Limit Switch, Redundant 275*	All	R0012800	93	Rear Tile, 22 15/16" x 25 7/8"	400	T0021605
40	High-Limit Switch Assembly	All	R0023200	94	Front and Rear Tile Cover	125-400	10314901-05
41	High-Limit Switch, 135* F	All	R0022700	95	Side Tile Cover	All	10167300
42	High-Limit Switch, 150* F	All	R0023000	JACKET COMPONENTS			
43	High-Limit Switch Retainer Clip	All	10418400	96	Door with Latch	125-400	R0097401-05
44	High-Limit Switch Retainer Boot (Not Shown)	All	S0098900	97	Jacket Assembly, Less Top Assembly	125-400	10447901-05
45	High-Limit Switch Cover	All	10418300	98	Gap Closure, Inlet/Outlet Side	All	10448200
46	High-Limit Switch Wire Harness	All	10419300	99	Gap Closure, Return Side	All	10448300
47	Fusible Link Assembly	All	R0012200	100	Insulation and Retainer	All	10462200
48	Fusible Link Bracket	All	10479900	OPTIONAL COMPONENTS			
49	Terminal Block	All	R0097800		Non Combustible Base	125-400	10521701-05
VENT SYSTEM							
50	Top Enclosure	125-400	R0097301-05		Pressure Relief Valve 3/4" NPT, 75 PSI	All	R0040400
51	Top Filler	125-400	10535201-05		Touch Up Spray Paint, Sandstone (Note 2)	All	X0016000
52	Rainshield, Front	125-400	R0098001-05	MODELS WITH SERIAL NOS. "G" AND LATER (Not Shown)			
53	Rainshield, Rear	125-400	R0098101-05	101	Redundant High Limit	All	R0313900
54	Rainshield, Side	125-400	R0098201-05	97	Jacket Assembly, Less Top Assembly	125-400	R0316501-05
55	Flue Collector Assembly	125-400	10564801-05	96	Door with Latch	125-400	R0313401-05
56	Outdoor Vent Cap	125-400	10561501-05	50	Top Enclosure	125-400	R0313201-05
57	Indoor Drafthood	125-400	10561401-05	55	Flue Collector Assembly	125-400	R0316401-05
58	Flue Transition Plate (Not Shown)	125-400	10741001-05	52	Rainshield Kit	125-400	R0326101-05
59	Adapter Plate (Not Shown)	125-400	10535301-05	91	Side Tile	All	T0026500
60	Clip	All	10211000	92,93	Front / Rear Tile	125-400	T0021501-05
WATER SYSTEM							
61	Inlet/Outlet Header, 2"	All	R0056400	90	Insulation, Fiberglass (Sold by Ft.)	All	T0027100
61	Inlet/Outlet Header, Bronze, 2"	All	R0016800	Notes:			

- For altitudes 2,000 Ft above sea level, call factory for orifice size.
- Serial No. F95PE1719 and above use P/N X0021100, Lt Beige.
- See Appendix.
- Two included in assembly.
- Available in bronze as assembly R0015000.

SERIES 2 Pool and Spa Heaters — ESC Manufactured from 1993-1996

Heaters



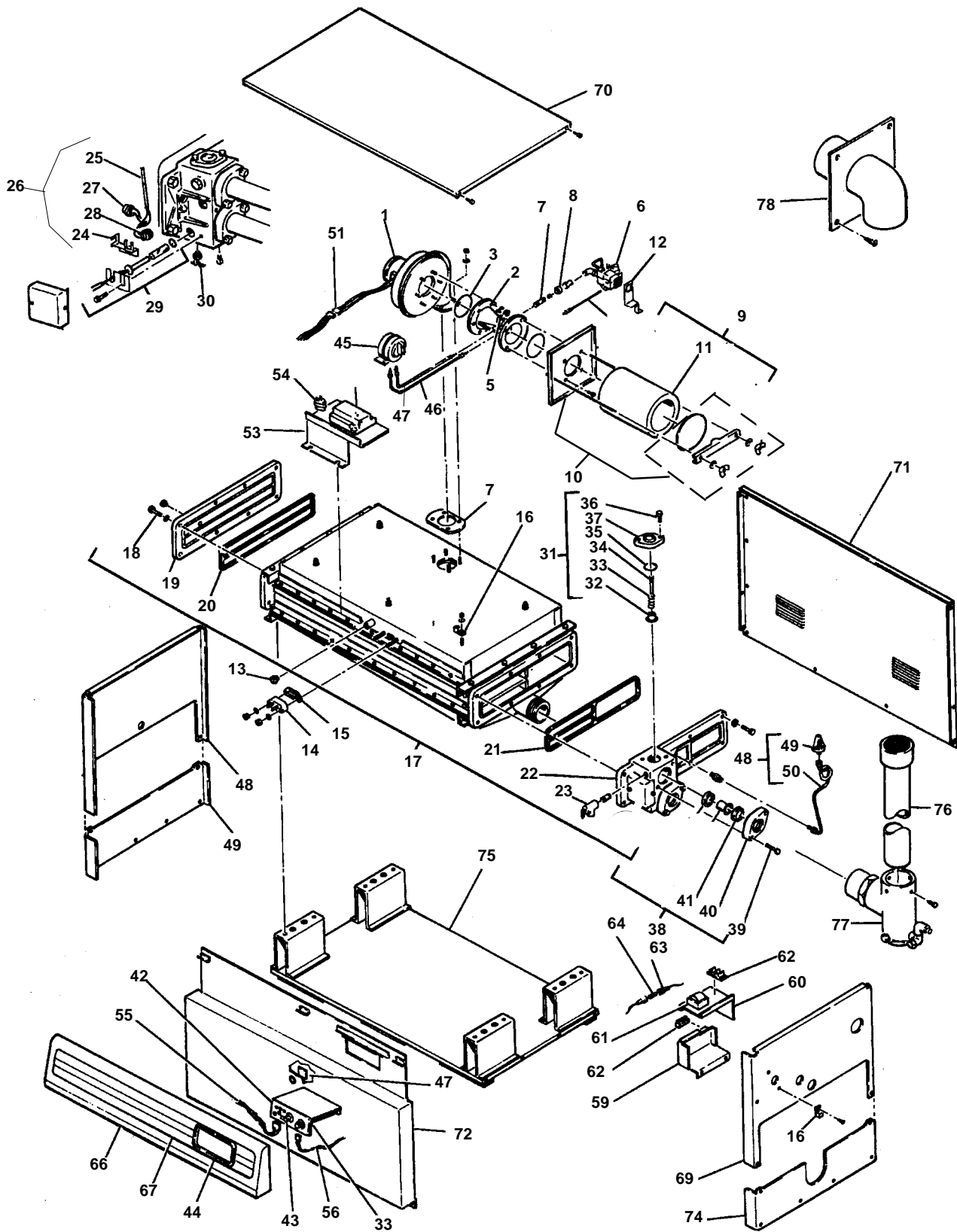
SERIES 2 Pool and Spa Heaters — ESC

Heaters

Key No	Description	Model No	ORDER PART NO	Key No	Description	Model No	ORDER PART NO
PILOT GAS SYSTEM							
1	Pilot, Main Burner Assembly, NAT	All	R0096000	56	Header Bolt Assembly	All	R0057000
1	Pilot, Main Burner Assembly, LPG	All	R0096500	57	Bolt for Headers, 2 1/2"	All	F0046100
2	Pilot Burner, NAT	All	W0030600	58	Washer for Headers	All	F0011100
2	Pilot Burner, LPG	All	R0095800	59	Nut for Headers	All	F0003100
3	Pilot Bracket Shield	All	10461100	60	Header Gasket Assembly (Set of 18)	All	R0050800
4	Ceramic Insulator Assembly	All	R0011600	61	Flange & Gasket Assembly (Note 3 & 5)	All	R0055000
5	Burner, Main w/Pilot Brkt	All	10457500	62	Flange, 2"	All	10573500
6	High Voltage Lead Assembly	All	R0099000	63	Flange Gasket, 2"	All	S0078000
7	Pilot Tubing	All	R0037000	64	Flange Sleeve, 2"	All	S0078200
MAIN GAS ASSEMBLY							
8	Burner Tray Assembly, NAT (Note 3)	125-400	R0098801-05	65	Flange Bolt	All	F0031700
8	Burner Tray Assembly, LPG (Note 3)	125-400	R0097201-05	66	Flange Gasket, 1 1/2" x 2" (Not Shown)	All	S0078100
9	Burner Tray, Shelf Only	125-400	R0317001-05	67	Grommet for Drain Plug	All	R0316300
10	Gas Valve, NAT	125-175	R0039200	68	Grommet, Slitted	All	S0071100
10	Gas Valve, NAT	250-400	R0099400	69	Drain Plug	All	P0026800
10	Gas Valve, LPG	All	R0095900	70	Brass Plug, 3/4"	All	P0027000
10A	Gas Orifice, NAT (Note 1)	All	L0032200	71	Hole Plug	All	F0035300
10A	Gas Orifice, LPG (Note 1)	All	L0032900	72	By-Pass Assembly	All	R0054900
11	Anti-Rotation Bracket	All	10577200	73	By-Pass Valve Rod	All	S0074300
12	Mounting Bracket Assembly	All	10419200	74	By-Pass Valve Disc	All	R0011500
13	Burner, Main	All	L0052300	75	By-Pass Valve Cap	All	10452200
14	Burner Manifold (Note 3)			75	By-Pass Valve Cap, Bronze	All	10557400
ELECTRICAL SYSTEM							
15	Temperature Control Assembly	All	R0011700	76	By-Pass Valve Spring, Purple	125	S0079900
16	Temperature Sensor	All	R0011800	76	By-Pass Valve Spring, White	175	S0061400
17	Knob, Single Bar	All	R0099900	76	By-Pass Valve Spring, Red	250	S0061300
18	Thermostat Knob, Black	All	R0010700	76	By-Pass Valve Spring, Blue	325	S0061200
19	"Temp-Lok" Stop Plate	All	10583100	76	By-Pass Valve Spring, Black	400	S0070100
20	Bezel	All	S0069800	77	By-Pass Valve Gasket	All	R0011400
21	Wire Harness Assembly	All	10457800	78	Heat Exchanger Tube Assembly (Note 2)	125-400	R0018101-05
22	Retainer Bracket	All	10447300	79	Heat Exchanger Baffle (8 Required)	125-400	10697401-05
23	Retainer Bracket Screw	All	F0009100	80	Baffle Retainer	All	S0083900
24	"O" Ring, Temperature Control Bulb	All	E0116400	81	Heat Exchanger Support Clip	All	10457001
25	Pressure Switch & Siphon Loop Assembly	All	R0097600	FIREBOX COMPONENTS			
26	Pressure Switch, 2 PSI	All	R0013200	82	Insulation, Fiberglass (Sold by Ft.)	All	T0002000
26	Pressure Switch, 1 PSI	All	R0011300	83	Side Tile, 22 3/8" x 16 1/2"	All	T0021400
26	Pressure Switch, 1-10 PSI	All	R0015500	84	Front Tile, 18 5/8" x 9 1/8"	125	T0021501
27	Siphon Loop Assembly	All	R0057800	84	Front Tile, 18 5/8" x 12 1/8"	175	T0021502
28	High-Limit Switch Assembly	All	R0023200	84	Front Tile, 18 5/8" x 16 1/8"	250	T0021503
29	High-Limit Switch, 135° F	All	R0022700	84	Front Tile, 18 5/8" x 20 7/8"	325	T0021504
30	High-Limit Switch, 150° F	All	R0023000	84	Front Tile, 18 5/8" x 25 7/8"	400	T0021505
31	High-Limit Switch Retainer Clip	All	10418400	85	Rear Tile, 22 15/16" x 9 1/8"	125	T0021601
32	High-Limit Switch Retainer Boot	All	S0098900	85	Rear Tile, 22 15/16" x 12 1/8"	175	T0021602
33	High-Limit Switch Cover	All	10418300	85	Rear Tile, 22 15/16" x 16 5/8"	250	T0021603
34	High-Limit Switch Wire Harness	All	10419300	85	Rear Tile, 22 15/16" x 20 7/8"	325	T0021604
35	Fusible Link Assembly	All	R0012200	85	Rear Tile, 22 15/16" x 25 7/8"	400	T0021605
36	Fusible Link Bracket	All	10479900	86	Front and Rear Tile Cover	125-400	10314901-05
37	Terminal Block	All	R0097800	87	Side Tile Cover	All	10167300
38	Ignition Control Assembly, NAT	All	10457900	JACKET COMPONENTS			
38	Ignition Control Assembly, LPG	All	R0097900	88	Door with Latch	125-400	R0097401-05
39	Ignition Control, NAT	All	R0011900	89	Jacket Assembly, Less Top Assembly	125-400	10447901-05
39	Ignition Control, LPG	All	R0097100	90	Gap Closure, Inlet/Outlet	All	10448200
40	Harness Assembly	All	R0059800	91	Gap Closure, Return	All	10448300
41	Transformer (115V-220V/24V)	All	R0061100	92	Insulation and Retainer	All	10462200
42	Ignition Control Panel	All	10451200	OPTIONAL COMPONENTS			
43	In-Line Fuse Assembly	All	10480000		Non Combustible Base	125-400	10521701-05
VENT SYSTEM							
44	Top Enclosure	125-400	R0097301-05		Pressure Relief Valve 3/4" NPT, 75 PSI	All	R0040400
45	Top Filler	125-400	10535201-05		Touch Up Spray Paint, Sandstone (Note 1)	All	X0016000
46	Rainshield, Front	125-400	R0098001-05	MODELS WITH SERIAL NOS. "G" AND LATER (Not Shown)			
47	Rainshield, Rear	125-400	R0098101-05	89	Jacket Assembly, Less Top Assembly	125-400	R0316501-05
48	Rainshield, Side	125-400	R0098201-05	88	Door with Latch	125-400	R0313401-05
49	Flue Collector Assembly	125-400	10564801-05	44	Top Enclosure	125-400	R0313201-05
50	Outdoor Vent Cap	125-400	10561501-05	49	Flue Collector	125-400	R0316401-05
51	Indoor Drafthood	125-400	10561401-05	46	Rainshield Kit	125-400	R0326101-05
52	Flue Transition Plate (Not Shown)	125-400	10741001-05	83	Side Tile	All	T0026500
52	Flue Transition Plate, "G" Version (Not Shown)	125-400	10852501-05	84,85	Front / Rear Tile	125-400	T0021501-05
53	Adapter Plate	125-400	10535301-05	82	Insulation, Fiberglass (Sold by Ft.)	All	T00271001
53A	Clip	All	10211000				
WATER SYSTEM							
54	Inlet/Outlet Header, 2"	All	R0056400	Notes:			
54	Inlet/Outlet Header, Bronze, 2"	All	R0016800	1. For altitudes 2,000 Ft above sea level, call factory for orifice size.			
55	Return Header	All	R0058300	2. Serial No. F95PE1719 and above use P/N X0021100, Lt Beige.			
55	Return Header, Bronze	All	R0054600	3. See Appendix.			
				4. Two included in assembly.			

MODEL EPH Hi-E Pool & Spa Heater

Manufactured from 1991-1996



MODEL EPH Hi-E Pool & Spa Heater

Key No.	Description	ORDER PART NO:	Key No.	Description	ORDER PART NO:
GAS SYSTEM			ELECTRICAL SYSTEM		
1	Combustion Fan	R0204700	42	Temperature Control Assembly (Note 1)	R0211300
2	Venturi	R0015700	43	Knob/Temp-Lok Set	R0211400
3	Venturi O-Ring	R0205400	44	Bezel	R0209900
4	Combustion Fan Gasket	R0205500	45	Venturi Pressure Switch	R0203300
5	Pressure Test Point Plug	R0204800	46	Tube, Venturi Pressure Switch Throat	R0202300
6	Gas Valve	R0200100	47	Tube, Venturi Pressure Switch Filter	R0202500
7	Gas Orifice Nipple	R0205600	48	Pressure Switch Assembly	R0200300
8	Gas Orifice, NAT	R0205700	49	Pressure Switch, 2 PSI	R0013200
8	Gas Orifice, LPG	R0205800	50	Siphon Loop Assembly	R0208300
9	Filter Assembly	R0204500	51	Pressure Switch Tubing	R0202400
10	Filter Support Kit	R0206200	52	Ignition Control	R0202900
11	Air Filter	R0201800	53	Ignition Control Bracket	R0209100
12	Gas Valve Bracket	R0210900	54	Fusible Link Assembly	R0012200
13	View Port	R0201500	55	8-Pin Harness Assembly	R0212300
14	Igniter Assembly	R0016400	56	3-Pin Harness Assembly	R0212400
15	Igniter Gasket	R0205300	57	Combustion Fan Harness	R0206700
16	Bonding Lug	E0092000	58	Neutral Lug	E0106800
WATER SYSTEM			59	Junction Box, Bottom	R0209500
17	Burner/Heat Exchanger Assembly	R0204200	60	Junction Box, Top	R0209600
18	Header Bolt and Washer Assembly	R0205900	61	Transformer (120/24VAC)	R0061100
19	Return Header, Bronze	R0202200	62	Terminal Strip Assembly	R0209700
20	Return Header Gasket	R0201200	63	Fuse Assembly	R0212600
21	Inlet/Outlet Header Gasket	R0201100	64	Fuse, 1-1/4 Amp.	R0012300
22	Inlet/Outlet Header	R0202600	JACKET COMPONENTS		
23	Pressure Relief Valve, 3/4" NPT, 75 PSI	R0040400	65	Sight Glass	F0038700
24	High Limit Bracket	R0207800	66	Upper Front Panel	R0205100
25	High Limit Harness	R0208000	67	Upper Front Panel Label	R0209800
26	High-Limit Switch Assembly	R0023200	68	Upper Left Side Panel	R0210100
27	High Limit Switch, 135°F	R0022700	69	Upper Right Side Panel	R0210500
28	High Limit Switch, 150°F	R0023000	70	Top Panel	R0210300
29	Temperature Sensor Assembly	R0208100	71	Rear Panel	R0210400
30	Drain Cock/Plug Kit	R0010500	72	Lower Front Panel	R0210000
31	By-Pass Assembly	R0208200	73	Lower Left Side Panel	R0210200
32	By-Pass Disk	R0011500	74	Lower Right Side Panel	R0210700
33	By-Pass Spring, Green	R0202000	75	Base Assembly	R0210800
34	By-Pass Rod/Nut Assembly	R0206100	76	Vent Stack Assembly	R0203100
35	By-Pass Valve Gasket	R0011400	77	Vent Adapter Assembly	R0202800
36	By-Pass Bolt and Washer Assembly	R0206000	78	Vent Termination*	10685600
37	By-Pass Valve Cap	10557400	*Required for Indoor Installations		
38	Flange Assembly	R0055000	NOTE:		
39	Flange Bolt and Washer Assembly	R0211200	1. For Serial Numbers starting with "A" order Temp Control Replacement Kit R0307700.		
40	Flange, 2"	10573500			
41	Flange Sleeve, 2"	S0078200			

For more information:

Telephone: Main: (415)382-8220 Order Fax: (800)526-3928

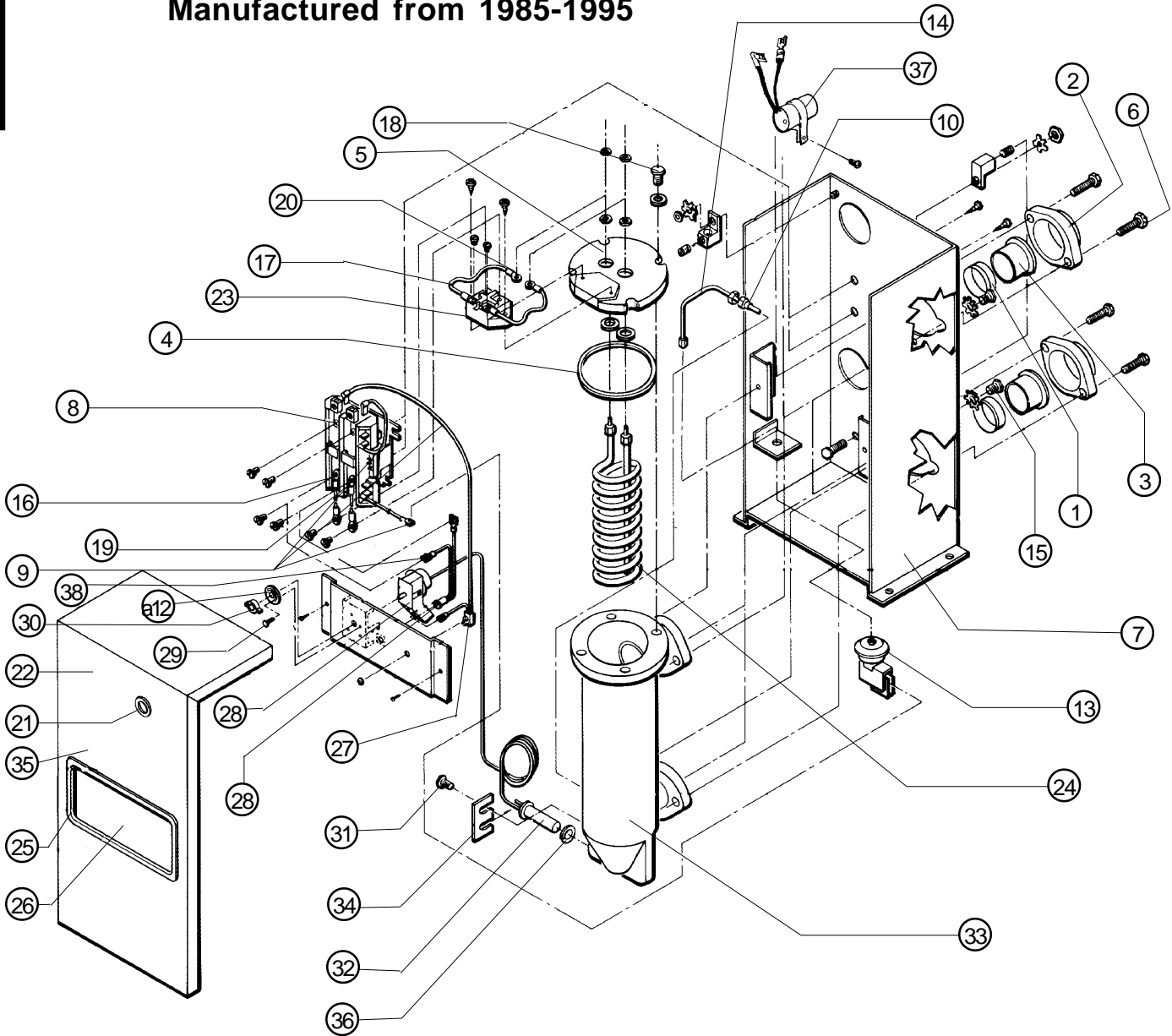
Customer Service: Ext. 245 Warranty/Service: Ext. 260 Literature Requests: Ext. 237

Pool Systems Address: 21 Pimentel Ct., Novato, CA 94949 **Mailing Address:** P.O. Box 6101, Novato, CA 94948-6101

Web Address: <http://www.jandy.com/>

International: 480 S. Service Rd. West, Oakville, Ontario, Canada L6K 2H4 (905)844-8233 voice (905)844-2635 fax

ELEKTRA II Electric Spa/Hot Heaters — TE 60 and TE 115
Manufactured from 1985-1995



Key No.	Model Description No.	ORDER No.
PART NO:		
1	Flange Gasket (Note 1)	All S0053100
2	Flange (Note 1)	All 10489400
3	Flange Sleeve (Note 1)	All S0028000
4	Tank Cover Gasket	All S0073700
5	Tank Cover	All 10511100
6	Cap Screw, Flange	All F0016700
7	Heater Housing	All 10511200
8	Contactors	All R0045300
9	Siphon Loop Tank Fitting	All P0019701
10	Temperature Control	All R0318800
11	"Temp-Lok" Stop Plate	All 10456700
12	Pressure Switch, 2 PSI	All R0013200
13	Siphon Loop	All 10512600
14	Cap Screw, Tank	All F0007500
15	High Limit Wire	All E0087202
16	High Limit Wire	All E0087201
17	High Limit Wire	All E0087302
18	Washer	All F0041600
19	High Limit Wire	All E0087301
20	High Limit Wire	All F0039300
21	Grommet	All 10510600
22	Front Panel	

Key No.	Model Description No.	ORDER No.
PART NO:		
23	Manual Reset Hi-Limit Switch	All R0045200
24	Heating Element, 6 KW	TE-60 E0085900
24	Heating Element, 11.5 KW	TE-115 E0086000
25	Temperature Control Bezel	All S0072100
26	Temperature Control Logo	All H0093800
27	Toggle Switch	All 10512100
28	Indicator Light	All 10511900
29	TEMP-LOK Set Screw	All F0033300
30	Thermostat Knob	All R0010700
31	Cap Screw, Bulb Retainer	All F0007500
32	Sleeve, Temperature Control	All 10444900
33	Tank	All 10511000
34	Retainer, Temperature Sensor	All 10447300
35	Logo "Elektra II"	All H0096100
36	"O" Ring	All E0036300
37	Contactors	All R0013500
38	Thermostat & Contactors Wire Harness Assembly	All R0044900
Notes:		
1. Items 1, 2 and 3 available as Assembly R0015100.		
2. Original part obsolete (E0087600) This is a current available substitute with accessory items included.		

Revised Replacement Part Numbers

Heaters

Old Part No.	Description	New Part No.	Old Part No.	Description	New Part No.
10397600	WATER BARRIER, 6 A	10381600	10694404	TUBE ASSY STD 325	R0018104
10408801	PRESS. SWITCH HOBBS #1	R0011300	10694405	TUBE ASSY STD 400	R0018105
10408802	PRESS. SWITCH HOBBS #2	R0013200	10749200	ROTARY PIEZO IGNITION ASSY	R0096800
10408803	PRESS. SWITCH HOBBS #3	R0013000	10749402	MAIN BURNER / PILOT ASSY-LP	R0099200
10408902	PRESS. SWITCH BARKSDALE	R0045400	10751100	IGNITION CONTROL ASSY	R0097900
10418805	CERAMIC INSULATOR ASSY.	R0011600	10751400	TEMPERATURE CONTROL ASSY.	R0099700
10449505	HIGH TENSION LEAD ASSY.	R0012100	10751800	PILOT, MAIN BURNER ASSY. LP	R0099200
10450401	OUT BAFFLE HX 125	10697401	10759401	PILOT/ BURNER ASSEMBLY	R0099100
10450403	OUT BAFFLE HX 250	10697403	10759402	PILOT/BURNER ASSEMBLY	R0099200
10450404	OUT BAFFLE HX 325	10697404	10804400	PUSH BUTTON PIEZO IGN.	R0096800
10450405	OUT BAFFLE HX 400	10697405	120000-00-1	MOUNTING KIT, T1250	R0310400
10450406	OUT BAFFLE HX 325	10697404	120001-00-1	CHECK VALVE KIT, T1250	R0310300
10450407	OUT BAFFLE HX 400	10697405	120002-00-1	GENERATOR TUBE KIT, T1250	R0310200
10451801	HEAT EXCHANGER 125 (KIT)	R0018101	120003-00-1	FUSE KIT, T1250	R0310500
10451802	HEAT EXCHANGER 175 (KIT)	R0018102	120004-00-1	GENERATOR CELL KIT, T1250	R0310100
10451803	HEAT EXCHANGER 250 (KIT)	R0018103	120007-00-1	CONDENSATE TRAP KIT	R0310200
10451804	HEAT EXCHANGER 325 (KIT)	R0018104	A0063300	PRESS. RELIEF VALVE 3/4"	R0040400
10451805	HEAT EXCHANGER 400 (KIT)	R0018105	A0079200	PUMP, 1HP 1800 RPM	A0093600
10452100	HEADER RETURN, MACH. STD.	R0058300	B0002100	TEST KIT-NET, MANO	R0010400
10452101	HEADER RETURN, MACHND ASME	R0058300	D0000500	VENT CAP ASSY. OUTDR. 125	10561501
10454202	BURNER TRAY ASSY.	10578002	D0000600	VENT CAP ASSY. OUTDR. 175	10561502
10458000	MAIN BRNR / PLT ASSY	R0096000	D0000700	VENT CAP ASSY. OUTDR. 250	10561503
10461900	REMOTE SWITCH ASSY	R0058500	D0000800	VENT CAP ASSY. OUTDR. 325	10561504
10476401	BAFFLE HX MODEL 125	10697401	D0000900	VENT CAP ASSY. OUTDR. 400	10561505
10476402	BAFFLE HX MODEL 175	10697402	D0002500	DRAFTHOOD ASSY. INDR. 125	10561401
10476403	BAFFLE HX MODEL 205	10697403	D0002600	DRAFTHOOD, 6" JV125/160	10561408
10476404	BAFFLE HX MODEL 325	10697404	D0002700	DRAFTHOOD ASSY. INDR. 250	10561403
10476405	BAFFLE HX MODEL 400	10697405	D0003200	DRAFTHOOD ASSY. INDR. 325	10561404
10476406	BAFFLE, 325	10697404	D0003300	DRAFTHOOD ASSY. INDR. 400	10561405
10476407	BAFFLE, 400	10697405	D0017800	DRAFTHOOD ASSY. INDR. 175	10561402
10479300	REPL WIRE HARN SET	R0029400	E0017600	SWITCH, HI-LIMIT (KIT)	R0012600
10479500	WIRE HARNESS REPL	R0058000	E0017800	THERMOSTAT (KIT)	R0013300
10479700	IGNITION CONT. WIRE HARN	R0059800	E0033100	HIGH LIMIT SWITCH	R0012700
10481100	REPL WIRE HARNESS	R0019100	E0063900	HI-LIMIT 150°F	R0023000
10481200	WIRE HARNESS, DM	R0023900	E0072200	HI-LIMIT 135°F	R0022700
10481300	WIRE HARNESS	R0023800	E0075900	CONTROLLER, IGNITION	R0021800
10481400	WIRE HARNESS, DH	R0023600	E0077000	SWITCH, TOGGLE (KIT)	R0094100
10481500	WIRE HARNESS, DK	R0023500	E0077100	LIMIT SWITCH 150°F KIT.	R0012700
10492201	PRESSURE SWITCH 1 PSI	R0011300	E0077200	PRESSURE SWITCH	R0045400
10492202	PRESSURE SWITCH 2 PSI	R0013200	E0077201	PRESSURE SWITCH	R0045400
10498800	TOGGLE SWITCH TG (KIT)	R0014400	E0080200	LIGHT, INDICATOR	R0046000
10515322	PRESSURE SWITCH, 2 PSI TG	R0014500	E0081600	TIME DELAY RELAY	R0014800
10518100	SIDE PANEL	10518101	E0086300	SWITCH HIGH LIMIT 150°F (TG)	R0014700
10523500	HIGH LIMIT 275° DEGREES	R0012800	E0086400	SWITCH HIGH LIMIT 120°F (TG)	R0014600
10533100	LIMIT SWITCH 120 F	R0014600	E0086900	CONTACTOR, 2 POLE	R0045300
10533200	LIMIT SWITCH	R0014700	E0087000	HIGH-LIMIT SWITCH 150°F	R0045200
10539202	TEMP CONT ASSY EPC	R0058200	E0087400	PRESSURE SWITCH 1#-10#	R0015500
10539300	TEMPERATURE CONTROL ASSEMBLY	R0058200	E0087600	TIME DELAY RELAY (KIT)	R0013500
10539600	GRATING WELD, SIDE	10539601	E0094000	IGNITION CONTROLLER	R0011900
10544200	PRESS SW/ SYP LP HOB	10544300	E0094001	IGNITION CONTROLLER	R0011900
10544300	PRESS SW/SYP LP TD	R0097600	E0094100	IGNITION CONTROLLER	R0011900
10545200	SIPHON LOOP	R0057800	E0094500	KNOB, THERMOSTAT (EA)	R0010700
10591100	HDR, IN/OUT, MACH, 2"	R0056400	E0095800	TEMP SENSOR	R0011800
10594700	TEMP. CONTROL ASSY. EPM	R0015600	E0096100	TEMP CONTROL, ELEC	R0011700
10619403	WELDMENT, HX BAFFLE	10619503	E0096300	WIRE HARNESS REMOTE (KIT)	R0058700
10632100	KIT, CONV. EPG/EPM	R0013400	E0097100	TEMPERATURE CONTROL (KIT)	R0058200
10694401	TUBE ASSY STD 125	R0018101	E0097400	TRANSFORMER 115V-220V / 24V	R0061100
10694402	TUBE ASSY STD 175	R0018102	E0099400	FUSIBLE LINK ASSY.	R0012200
10694403	TUBE ASSY STD 250	R0018103	E0099403	FUSIBLE LINK ASSY	R0012200

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International: 480 S. Service Rd. West, Oakville, Ontario, Canada L6K 2H4 (905)844-8233 voice (905)844-2635 fax

Old Part No.	Description	New Part No.	Old Part No.	Description	New Part No.
E0099500	FUSE, 11/4 A, (5PCS.)	R0012300	S0098500	FRONT HEADER R561 (KIT)	R0056100
E0099600	ELEMENT HEATING, 240V	R0045100	T0001900	FIBERGLASS CHOP, C	T0026100
E0099700	HI-LIMIT, 2-P, MAN R	R0045200	V0045700	GAS VALVE, GC NAT	R0027700
E0099800	CONTACT, 2-POLE, 30A	R0045300	V0052000	GAS VALVE, NAT	R0038400
E0099900	TEMP. CONTROL, SPA, W	R0045500	V0053200	GAS VALVE, GC LP	R0027800
E01000000	SWITCH, PRESSURE	R0013200	V0055600	GAS VALVE, HW N	V0049400
E0100900	CONTROLLER, IGNITION MOD.	R0021800	V0055900	GAS VALVE, COMBO, LP	V0073700
E0110400	TEMP. CONTROL, ELECT. (KIT)	R0015600	V0056500	GAS VALVE, COMBO IID	R0039200
E0110500	TEMPERATURE SENSOR	R0011800	V0056700	GAS VALVE, IID	R0099400
E0110600	KNOB	E0155400	V0057300	GAS VALVE, COMBO NAT	V0058900
E0111500	IGNITION CONTROL 100% LO	R0097100	V0057400	GAS VALVE, COMBO IID	R0039200
E0115700	TEMP. CONTROL	10623100	V0057500	GAS VALVE, GC B57, L	V0059000
E0116400	GASKET, TMP. SNS. BLB	E0116400	V0059100	GAS VALVE, NAT	R0039200
E0117401	CONTROLLER, TEMP.	R0011700	V0070500	GAS VALVE	R0027300
E0117402	CONTROLLER, TEMP	R0011700	V0070501	GAS VALVE, RS 3/4 NAT.	R0027300
E0119400	RELAY, TIME DELAY (KIT)	R0013500	V0070600	GAS VALVE LP	R0027400
E0127000	IGNITOR, ROTARY PIEZO SPRK	R0096800	V0070601	GAS VALVE, RS P	R0027400
E0131200	SWITCH, PR. HOB5000	E0131201	V0071200	GAS VALVE, COMB. N	R0036600
E0131201	PRESS. SWITCH, HOBBS 5000	R0013200	V0072000	GAS VALVE, R7000 LP/IID	R0028200
E0154900	KNOB, EURO-ST L/S SET SCR	R0010700	V0072200	VLV GAS RS 7000 NAT	R0096400
F0028300	BOLT, 2 1/2"	F0046100	V0072300	VLV GAS RS 7000 LP	R0096900
F0029600	BOLT, 2 1/2"	F0046100	V0073500	VALVE, 3/ 4X3/ 4, NAT. IID	R0099400
F0031800	BOLT, 2 1/2"	F0046100	V0073600	VALVE, LP, (IID), 1 /2X3/ 4	R0095900
F0033900	BOLT, 3/8-16X1	F0041600	W0011500	PILOT BURNER - NAT	R0027500
F0051300	BOLT, FLHD, 3/8 X 2.62	F0046100	W0011600	PILOT BURNER, LP	R0027600
N0001900	FUEL UNIT, 2-STAGE	R0140100	W0012500	PILOT GENERATOR CARTRIDGE	R0025500
N0002300	IGN TRANSF, FRANCE	R0140200	W0014100	REPLACED BY R275	R0027500
N0006000	PRIMARY CONTROL R8	R0140300	W0014200	PILOT BURNER/GEN.P (KIT)	R0027600
P0058700	DRAINCOCK, BRASS 1/4 N	P0026800	W0030600	PILOT BURNER, NAT., .018	R0061600
R0012400	FUSIBLE LINK (EA)	R0012200	W0031300	PILOT TUBE ASSY. 1/8"	R0037000
R0014100	GAS VALVE COMB N..	R0038200	W0033000	PILOT BURNER, TGT	R0013700
R0015200	PRESSURE SWITCH - 1#	R0011300	W0033100	PILOT BURNER, LP, RS	R0013900
R0015300	PRESSURE SWITCH - 3#	R0013000	W0033200	THERMOCOUPLE	R0014000
R0027000	PILOT BURNER, N(KIT)	R0027500	W0033300	PILOT BURNER, TGS	R0013800
R0027100	PILOT BURNER, LP(KIT)	R0027600	W0036600	PILOT BURNER, N (KIT)	R0027500
R0027200	PILOT GENERATOR	R0028100	W0036700	PILOT BURNER, LP (KIT)	R0027600
R0027900	PILOT GENERATOR N	R0027500	W0036800	REPLACED BY R281	R0028100
R0028000	PILOT GENERATOR LP	R0027600	W0037400	PILOT BURNER	W0038300
R0029000	PILOT BURNER GEN.N (KIT)	R0027500	W0037500	FLAME SENSOR	W0037500
R0038300	GAS VALVE COMB, I I D	R0039200	W0038300	PILOT BURNER	W0038300
R0038600	GAS VALVE (KIT)	R0027800	W0038400	PLT-Q324-N-W SCR N	W0038402
R0038700	GAS VALVE N (KIT)	R0027700	W0038401	PLT-Q324-N-WO SCR N	W0038402
R0046800	GAS VALVE, COMBO I I D (KIT)	R0039200	W0038700	PILOT BURNER / GEN.N (KIT)	R0027500
R0055100	FRONT HEADER 2"BRNZE (KIT)	R0016800	W0038800	PILOT BURNER / GEN. LP (KIT)	R0027600
R0056800	REPLACED BY R275	R0027500	W0039100	PLT-Q324-P-W SCR N	W0039102
R0058600	GAS VALVE	R0038400	W0039101	PLT Q324 LP WO / SCR	W0039102
S0005200	REAR HEADER S052 (KIT)	R0056700	N/A	MANOMETER	R0010400
S0015200	HEADER GASKET	S0070800	N/A	MULTIMETER	R102
S0015400	FLOW CONTROL GASKET	R0011400	N/A	TEMPERATURE RISE KIT	R0010800
S0055300	CASTING HDR FLANGE 1.5"	10309200	N/A	TUBE CLEANING KIT, 5/8"	R0010100
S0056700	FRONT HEADER	R0055500			
S0057700	FRONT HEADER S577 (KIT)	R0056200			
S0058100	FRONT HEADER S581 (KIT)	R0056300			
S0067300	FRONT HEADER S673 (KIT)	R0057200			
S0068600	FRONT HEADER S686 (KIT)	R0058400			
S0068800	HDR RETURN CAST NON ASME	R0058300			
S0069000	FLOW CONTROL GASKET	R0011400			
S0069100	CASTG, RAW, FLOW CON	10452201			
S0069200	FLOW CONTROL DISC	R0011500			
S0069700	WIRE CLAMP	S0083900			
S0070800	HEADER GASKETS F / 125 - 400	R0050800			
S0074100	GASKET FLOW VALVE	R0011400			
S0075400	WIRE CLAMP	S0083900			
S0075900	CSTNG RET. HDR, BRONZ (KIT)	R0054600			
S0076000	CASTING IN / OUT HDR	S0081700			
S0077900	CASTING FLANGE 2"	10573500			
S0079400	CASTING IN / OUT HEADER 2"	R0056400			
S0079500	FLOW CONTROL, DISC. EP	R0011500			
S0084200	CSTG RTRN HDR STD	10762900			
S0084300	CSTG, IN / OUT, 2" STD	10763000			

Appendix

The draffhood and ventcap kits contain all of the items necessary for proper installation on Series 2 and Laars Lite™ heater models.

Vent Cap Kits 10561501-05



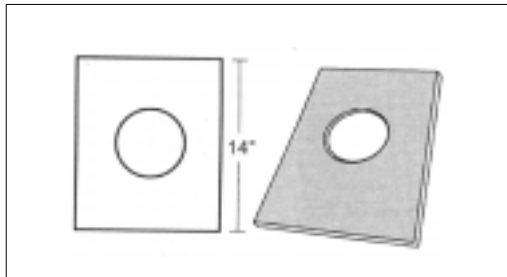
Draffhood Kits 10561401-05



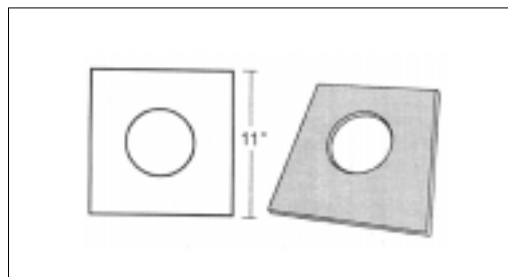
Includes the following items:

3 Clips, 1 Adapter Plate, and Installation Instructions and 3 Transition Plates. Transition rings Series I (10515501-05) no longer included in ventcap kits.

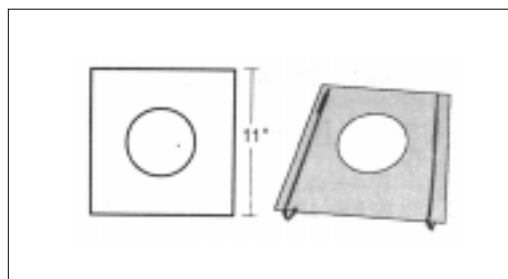
Transition Plates



**Laars Lite™
(10861901-05)**



Series 2 with serial no. "G"



Series 2 with serial no. "F" and prior

APPENDIX, continued

By-Pass Valve Springs For 1 1/2" Headers

By-Pass Valve Spring, White	125	S0061400
By-Pass Valve Spring, Red	175	S0061300
By-Pass Valve Spring, Blue	250	S0061200
By-Pass Valve Spring, Brown	325	S0061100
By-Pass Valve Spring, Orange	400	S0061000

By-Pass Valve Springs For 2" Headers

By-Pass Valve Spring, Purple	125	S0079900
By-Pass Valve Spring, White	175	S0061400
By-Pass Valve Spring, Red	250	S0061300
By-Pass Valve Spring, Blue	325	S0061200
By-Pass Valve Spring, Black	400	S0070100

Manifolds - All Models

Manifold	125	L0052200
Manifold	175	L0006300
Manifold	250	L0006400
Manifold	325	L0006500
Manifold	400	L0006600

Gas Orifices for High Altitudes

Natural Gas	3,000 ft - 6,000 ft	L0032600
Natural Gas	6,000 ft - 10,000 ft	L0050300
Propane Gas	5,000 ft - 10,000 ft	L0032800

Qty Required By Pool

Heater Type	Orifices Needed
125	5 pcs.
175	7 pcs.
250	10 pcs.
325	13 pcs.
400	16 pcs.

Conversion Kits

EPG Natural to Propane	R0016301 - 05
EPG Propane to Natural	R0036101 - 05

Power Venter Kits , Series 2 & Laars Lite

Indoor Kit	125	10718701
Indoor Kit	175	10718702
Indoor Kit	250	10718703
Indoor Kit	325	10718704
Indoor Kit	400	10718705
Outdoor Kit	125	Not Available
Outdoor Kit	175	10760802
Outdoor Kit	250	10760803
Outdoor Kit	325	10760804
Outdoor Kit	400	10760805

Spa Wizard Heater Remote Controls

CSO1 Remote On/Off Control	10653301
CSO2 Remote On/Off Control	10655302
CSO3 Remote Thermostat Control, Millivolt	N/A
CSO4 Remote Thermostat Control, 24V	N/A
CSO5 Dual Remote Thermostat, Hi-E	N/A
Remote Wire Harness	E0120000

ASME Exchangers (Complete)-All Models

Heat Exchanger w/ Header, 125	10606506
Heat Exchanger w/ Header, 175	10606507
Heat Exchanger w/ Header, 250	10606508
Heat Exchanger w/ Header, 325	10606509
Heat Exchanger w/ Header, 400	10606510

Cupro-Nickle Exchangers (Complete)-All Models

Heat Exchanger, 125	R0095601
Heat Exchanger, 175	R0095602
Heat Exchanger, 250	R0095603
Heat Exchanger, 325	R0095604
Heat Exchanger, 400	R0095605
Heat Exchanger, Saltwater, 125	10591201
Heat Exchanger, Saltwater, 175	10591202
Heat Exchanger, Saltwater, 250	10591203
Heat Exchanger, Saltwater, 325	10591204
Heat Exchanger, Saltwater, 400	10591205

Temperature Controls

The mechanical temperature control originally supplied with some millivolt heaters can be replaced by an *electronic* millivolt control. Use the original part number, R0058200, for the electronic control. The R0058200 contains all the necessary parts to convert the old temperature control to the electronic control.

The new electronic control, R0058200, will work on the following models:

EG, EPG, ESG, LLG

The *mechanical* temperature control can be purchased with part number R0318800, and must be used on the following models:

DM, DR, EC, EPC, TGT, TGS, DP, TE (6.0 and 11.5)