



Figure 36 – LP-293-A

NOTE: Parts listed on the following page.

ITEM#	EL-80	EL-110	EL-150	EL-220	EL-299	EL-399	DESCRIPTION
1	7450P-039				7450P-065		JACKET - REAR
2	7450P-055		7450P-056	7450P-038	7450P-064	7450P-068	JACKET - BOTTOM
3	7450P-121						LEVELING FEET
4	7450P-057	7450P-059	7450P-060	7450P-036	7450P-061	7450P-066	JACKET - LEFT SIDE
5	7450P-058	7450P-123	7450P-062	7450P-037	7450P-063	7450P-067	JACKET - RIGHT SIDE
6	7450P-080						10-32 X 5/16 PAN HEAD SCREW - JACKET
7	7450P-081						6-32 X 1/4 PAN HEAD SCREW - ACCESSORIES
8	7450P-074				7450P-075		AIR/EXHAUST SUPPORT PLATE
9	7500P-115						6-32 X 1/4 PAN HEAD SCREW - ELECTRONIC BOARDS
10	7450P-178				N/A		FIELD CONNECTION BOARD PLATE
11	7450P-088						8-32 FLANGED NUT - AIR EXHAUST PLATE
12	7450P-030				7450P-031		AIR INLET ADAPTER

13	7450P-032			7450P-033		AIR INLET CONNECTOR NUT
14	7450P-201			7450P-202		EXHAUST ADAPTER
15	7250P-739					ECO FLUE SWITCH - 160 DEGREES
16	7250P-154					S.S. BARBED FITTING - 1/4 HOSE X 10-32
17	7450P-026					FLUE THERMISTOR
18	7250P-152					SILICONE O-RING 2-007 - BARBED FITTING
19	7450P-079					HINGE BRACKET
20	7450P-091					HINGE
21	7450P-132					CONTROL BOARD DOOR W/HINGE
22	7450P-122					926 CONTROL BOARD
23	7350P-070					FIELD CONNECTION BOARD
24	7450P-040	7450P-041	7450P-042	7450P-043	7450P-044	JACKET - TOP COVER FRONT
25	7450P-072	7450P-099		7450P-073		JACKET - TOP COVER BACK
26	7450P-021					MEMBRANE TOUCHPAD
27	7000P-805					PLASTIC TUBING - 3/16 OD - BLOCKED VENT PRESSURE SWITCH
28	7250P-150					BLOCKED VENT PRESSURE SWITCH
29	7450P-142					6-32 FLANGED NUT - BLOCKED VENT PRESSURE SWITCH
30	7450P-046			7450P-051		JACKET - FRONT COVER ASSY
31	7450P-045					JACKET - TOP COVER INSERT
32	7500P-087					POWER SWITCH
33	7450P-092					6-32 FLAT HEAD SCREW - ACCESSORIES
34	7450P-028					DISPLAY BOARD
35	7450P-018					MEMBRANE SWITCH BRACKET
36	7250P-378					FUSE - CONTROL BOARD - 6.3 AMPS
37	7350P-129					FUSE - CONNECTION BOARD - 3.15 AMPS
38	7450P-160					FIELD CONNECTION BOARD COVER
39	N/A		7450P-161	N/A		BOILER ACCESS COVER
40	7450P-076			7450P-077	7450P-077 (2)	MODULE HOLD-DOWN STRAP
41	N/A		7450P-221			TRANSFORMER ASSEMBLY
42	7450P-204	7450P-208	7450P-209	7450P-210		120V WIRING HARNESS (NOT SHOWN)
43	7450P-203	7450P-205	7450P-206	7450P-207		LOW VOLTAGE WIRING HARNESS (NOT SHOWN)
44	7450P-226					7/8 HOLE PLUG
45	7450P-282			7450P-157		CLAMP ALL - EXHAUST VENT ADAPTER
46	7450P-287					CUSTOMER CONNECTION BOARD SHIELD

BOILER START-UP REPORT

LIGHT OFF ACTIVITIES		DATE COMPLETED			
1) Fill the heating system	Check all piping and gas connections, verify all are tight				
	Pressurize system (12 – 15 psi)	___ PSI			
	Add water to prime condensate cup				
	Percentage of glycol in system (0 – 50%)	___ %			
	Verify near boiler piping is properly supported				
2) Check gas pipe	Leak test using locally approved methods (consult jurisdictional code book)				
	Check incoming gas pressure (3.5" to 14" W.C.)	___ in w.c.	Static		
	What is the "drop" on light off (No more than 1" W.C.)?	___ in w.c.	Dynamic		
3) Check combustion	Check and adjust (if necessary) carbon dioxide content	___% CO2	High Fire	___% CO2	Low Fire
	Check and adjust (if necessary) carbon monoxide content	___ppm CO	High Fire	___ ppm CO	Low Fire
4) Verify system operation	Turn up thermostat to verify wiring connections				
5) Record ionization current	Check uA reading at d7 on the status menu (see start-up section)	___ uA	High Fire	___ uA	Low Fire