

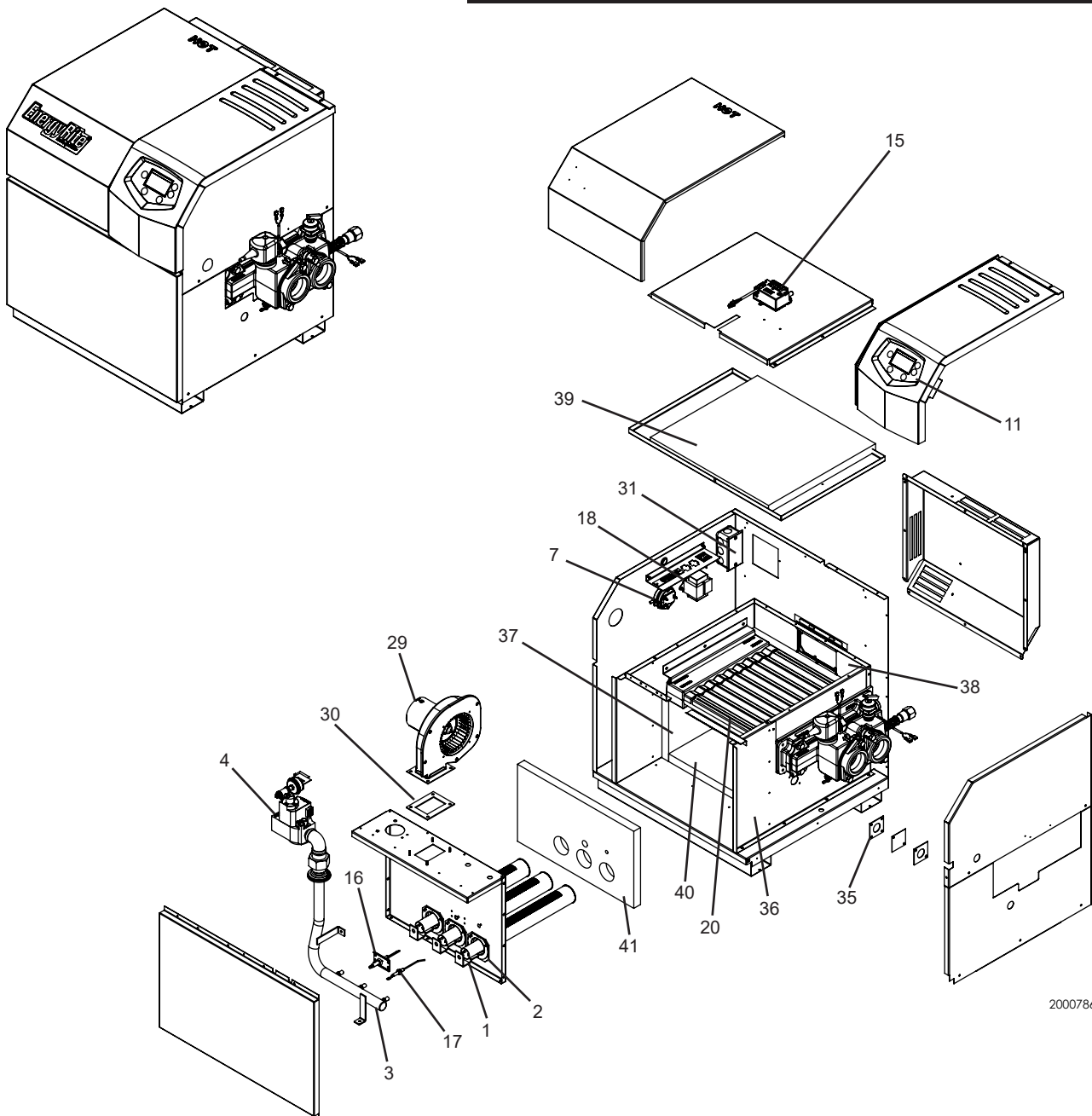
**PARTS & SERVICE DEPARTMENT**

Nashville, Tennessee

877-554-5544 • Fax: 615-882-2918

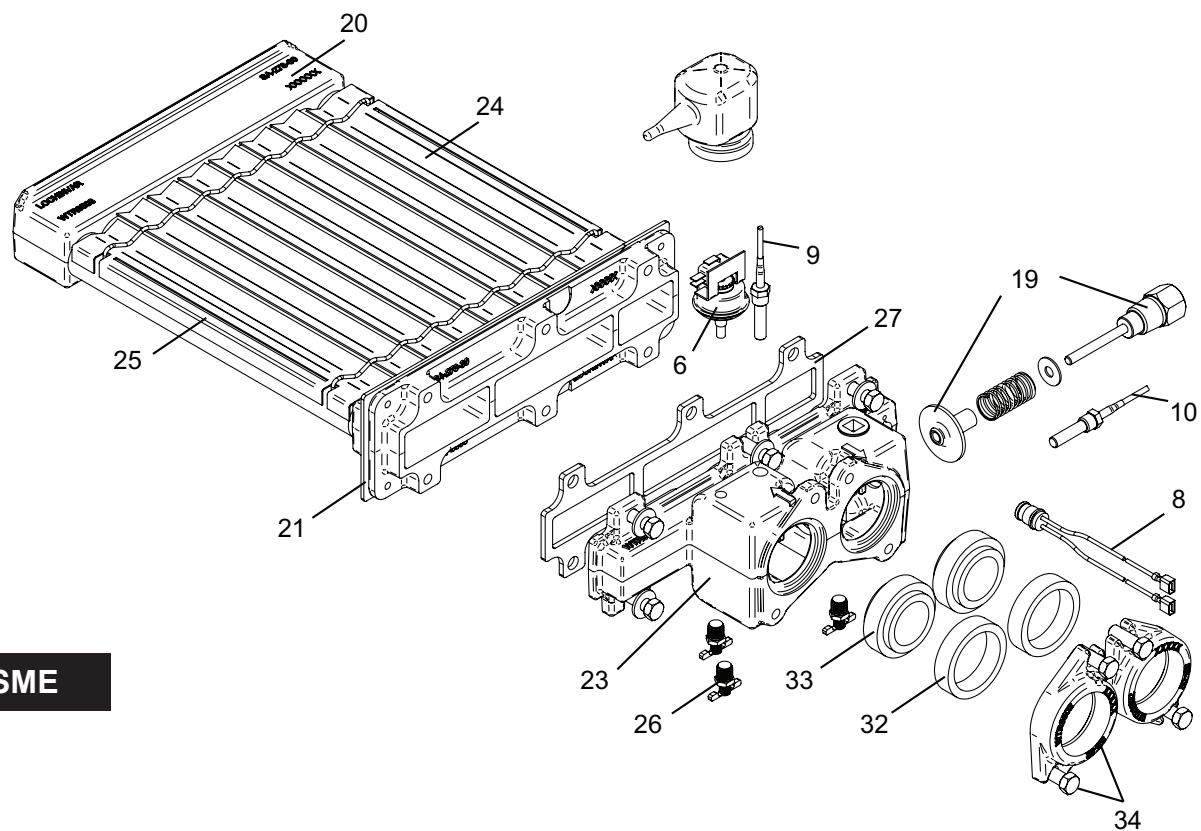
parts_team@lochinvar.com

www.Lochinvar.com

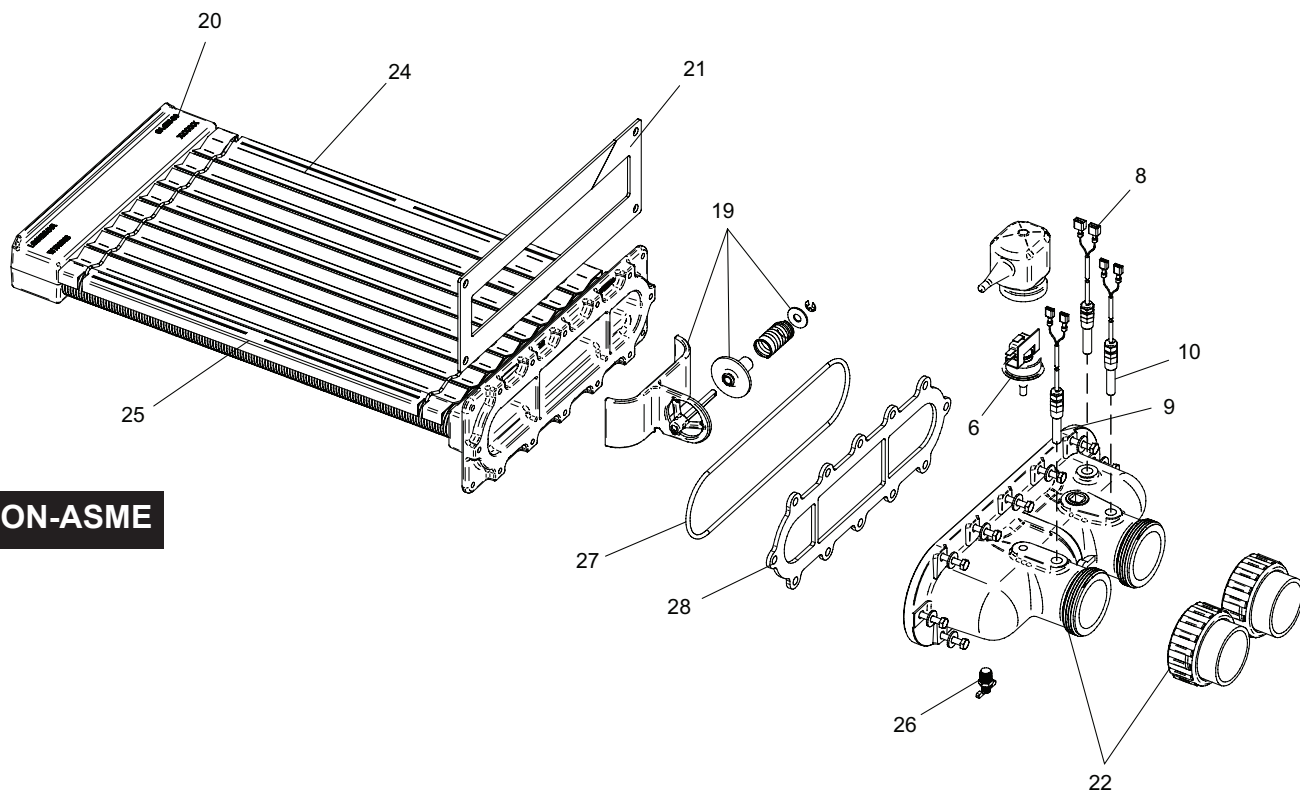
Replacement Parts List
EnergyRite®
Pool & Spa Heater
Residential Pool Heaters**ER(N, L) 152-402****SERIES 100 - 101***
STARTING WITH SERIAL NUMBER 240613761088
ENHANCED CONTROL


2000786843 00

HEAT EXCHANGER ASSEMBLIES

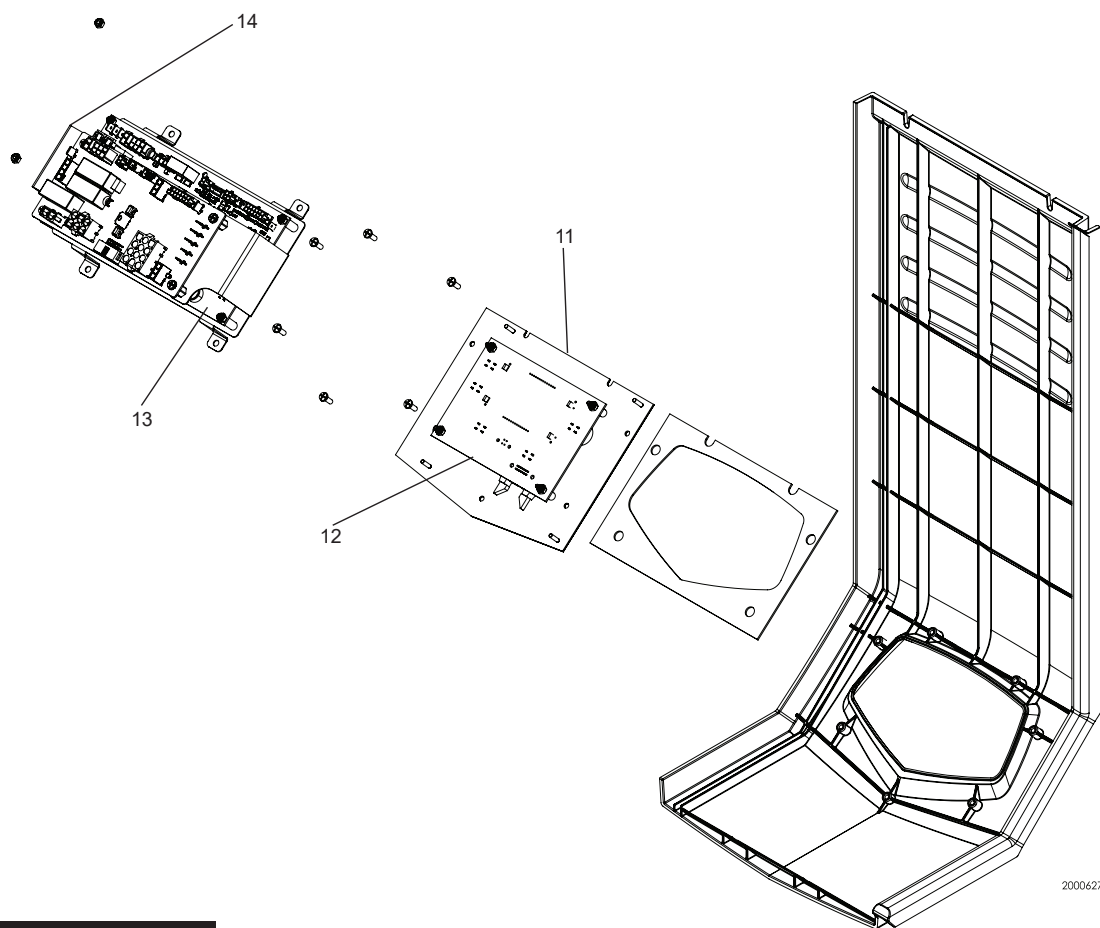


ASME

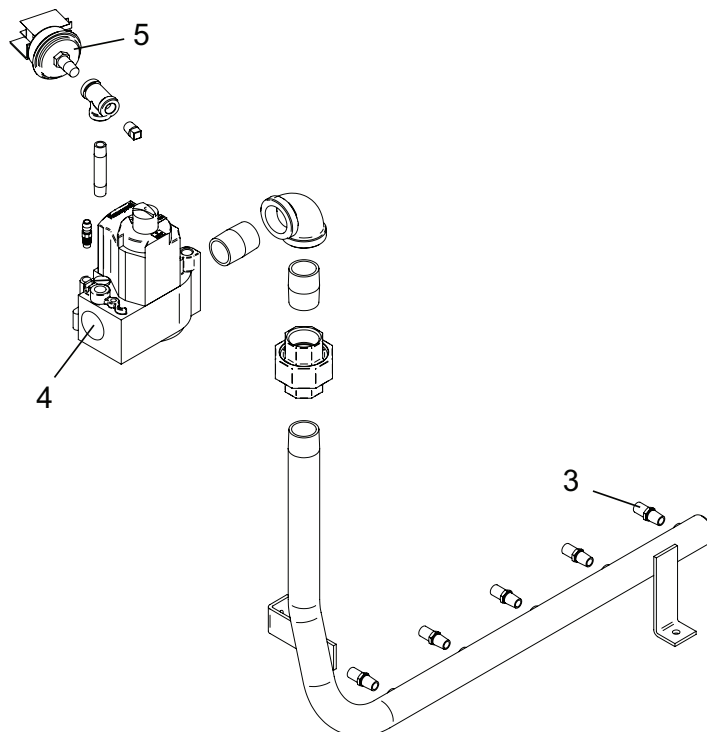


NON-ASME

CONTROLS



GAS TRAIN ASSEMBLY



ITEM NO.	PART NO.	DESCRIPTION	MODEL NO.
BURNERS			
1	100135300 MAIN BURNER	100135300	100135299
		2	1
		3	1
	100135299 MAIN BURNER W/ PRESSURE TAP	4	1
		5	1
		7	1
GAS TRAIN ASSEMBLIES			
2	100233587	GASKET, BURNER	ALL
3	100208348	ORIFICE, NATURAL	ALL
3	100208345	ORIFICE, LP	ALL
4	100172022	GAS VALVE, NATURAL	ALL
4	100208608	GAS VALVE, LP	ALL
5	100208389	SWITCH, GAS PRESSURE, NATURAL	ER 252 - 402
CONTROLS & GAUGES			
6	100166256*	PRESSURE SWITCH, 1-5 PSI	ALL
7	100166258*	PRESSURE SWITCH, 1.35" WATER COLUMN	ALL
8	100148403*	HIGH LIMIT ASSEMBLY, 175 DEG	ALL ASME
8	100208570*	HIGH LIMIT OVER TEMP	ALL NON-ASME
9	100208553*	INLET SENSOR	ALL
10	100208548*	OUTLET SENSOR	ALL
11	100370221*	DISPLAY OVERLAY LABEL w/BRACKET	ALL
12	100370190*	CONTROL BOARD DISPLAY SCREEN	ALL
13	100370188*	MAIN CONTROL BOARD	ALL
14	100370222*	RELAY CONNECTOR BOARD	ALL
15	100341773*	SPARK GENERATOR, DANFOSS	ALL
16	100165932*	K, IGNITER W/GASKET AND SCREWS	ALL
17	100165921*	FLAME SENSOR	ALL
18	100277852	TRANSFORMER, 120/240V TO 24 V	ALL
19	100163257	BYPASS ASSEMBLY	ER 152 - 302 ASME
19	100163258	BYPASS ASSEMBLY	ALL NON-ASME
19	100163221	BYPASS ASSEMBLY	ER 402 ASME
HEAT EXCHANGERS			
20	100147463	HEAT EXCHANGER, NON-ASME, 150MBH	ER 152
20	100147464	HEAT EXCHANGER, NON-ASME, 200MBH	ER 202
20	100147465	HEAT EXCHANGER, NON-ASME, 250MBH	ER 252
20	100147466	HEAT EXCHANGER, NON-ASME, 300MBH	ER 302
20	100147467	HEAT EXCHANGER, NON-ASME, 400MBH	ER 402
20	100147478	CUPRO NICKEL HEAT EXCHANGER, NON-ASME, 150MBH	ER 152
20	100147479	CUPRO NICKEL HEAT EXCHANGER, NON-ASME, 200MBH	ER 202
20	100147480	CUPRO NICKEL HEAT EXCHANGER, NON-ASME, 250MBH	ER 252
20	100147487	CUPRO NICKEL HEAT EXCHANGER, NON-ASME, 300MBH	ER 302
20	100147488	CUPRO NICKEL HEAT EXCHANGER, NON-ASME, 400MBH	ER 402
20	100147468	HEAT EXCHANGER, ASME, 150MBH	ER 152
20	100147469	HEAT EXCHANGER, ASME, 200MBH	ER 202
20	100147470	HEAT EXCHANGER, ASME, 250MBH	ER 252
20	100147471	HEAT EXCHANGER, ASME, 300MBH	ER 302
20	100147472	HEAT EXCHANGER, ASME, 400MBH	ER 402
20	100147473	CUPRO NICKEL HEAT EXCHANGER, ASME, 150MBH	ER 152
20	100147474	CUPRO NICKEL HEAT EXCHANGER, ASME, 200MBH	ER 202
20	100147475	CUPRO NICKEL HEAT EXCHANGER, ASME, 250MBH	ER 252
20	100147476	CUPRO NICKEL HEAT EXCHANGER, ASME, 300MBH	ER 302
20	100147477	CUPRO NICKEL HEAT EXCHANGER, ASME, 400MBH	ER 402
20	100330564	HEAT EXCHANGER, NON-ASME, 150MBH, BRONZE	ER 152
20	100330565	HEAT EXCHANGER, NON-ASME, 200MBH, BRONZE	ER 202
20	100330566	HEAT EXCHANGER, NON-ASME, 250MBH, BRONZE	ER 252
20	100330567	HEAT EXCHANGER, NON-ASME, 300MBH, BRONZE	ER 302
20	100330568	HEAT EXCHANGER, NON-ASME, 400MBH, BRONZE	ER 402
20	100330604	CUPRO NICKEL HEAT EXCHANGER, NON-ASME, 150MBH, BRONZE	ER 152
20	100330605	CUPRO NICKEL HEAT EXCHANGER, NON-ASME, 200MBH, BRONZE	ER 202
20	100330606	CUPRO NICKEL HEAT EXCHANGER, NON-ASME, 250MBH, BRONZE	ER 252
20	100330607	CUPRO NICKEL HEAT EXCHANGER, NON-ASME, 300MBH, BRONZE	ER 302
20	100330608	CUPRO NICKEL HEAT EXCHANGER, NON-ASME, 400MBH, BRONZE	ER 402
20	100331362	HEAT EXCHANGER, ASME, 150MBH, BRONZE	ER 152
PLEASE HAVE MODEL AND SERIAL NUMBER WHEN ORDERING PARTS			
*ITEMS DENOTE SUGGESTED INVENTORY PARTS			

ITEM NO.	PART NO.	DESCRIPTION	MODEL NO.
HEAT EXCHANGERS (CONTINUED)			
20	100331365	HEAT EXCHANGER, ASME, 200MBH, BRONZE	ER 202
20	100331366	HEAT EXCHANGER, ASME, 250MBH, BRONZE	ER 252
20	100331367	HEAT EXCHANGER, ASME, 300MBH, BRONZE	ER 302
20	100331368	HEAT EXCHANGER, ASME, 400MBH, BRONZE	ER 402
20	100331372	CUPRO NICKEL HEAT EXCHANGER, ASME, 150MBH, BRONZE	ER 152
20	100331373	CUPRO NICKEL HEAT EXCHANGER, ASME, 200MBH, BRONZE	ER 202
20	100331374	CUPRO NICKEL HEAT EXCHANGER, ASME, 250MBH, BRONZE	ER 252
20	100331375	CUPRO NICKEL HEAT EXCHANGER, ASME, 300MBH, BRONZE	ER 302
20	100331376	CUPRO NICKEL HEAT EXCHANGER, ASME, 400MBH, BRONZE	ER 402
21	100208106*	GASKET, HEAT SHIELD	ALL ASME
21	100277728*	GASKET, HEAT SHIELD	ALL NON-ASME
22	100173746	HEADER WITH CONNECTION KIT	ALL NON-ASME
-	100173757	HEADER CONNECTION KIT	ALL NON-ASME
23	100294596	FRONT HEADER	ALL ASME
23	100331389	FRONT HEADER, BRONZE	ALL ASME
MISCELLANEOUS			
24	100290356	V-BAFFLE (6 PER HEX)	ER 152
24	100290357	V-BAFFLE (6 PER HEX)	ER 202
24	100290358	V-BAFFLE (6 PER HEX)	ER 252
24	100276812	V-BAFFLE (6 PER HEX)	ER 302
24	100290359	V-BAFFLE (6 PER HEX)	ER 402
25	100152226	FRAME RUNNER (2 PER HEX)	ER 152
25	100152227	FRAME RUNNER (2 PER HEX)	ER 202
25	100152228	FRAME RUNNER (2 PER HEX)	ER 252
25	100152229	FRAME RUNNER (2 PER HEX)	ER 302
25	100152230	FRAME RUNNER (2 PER HEX)	ER 402
26	100233423	DRAIN COCK	ALL
27	100233730*	GASKET, HEADER	ALL ASME
27	100233722*	GASKET, HEADER	ALL NON-ASME
28	100290348*	GASKET, HEADER	ALL NON-ASME
29	100145011	COMBUSTION AIR FAN	ER 152
29	100145012	COMBUSTION AIR FAN	ER 202 - 402
30	100233675*	GASKET, FAN	ALL
31	100288472	ON/OFF SWITCH	ALL
32	100208100	GASKET, FLANGE, 2" (SOLD AS QTY 1)	ALL ASME
33	100208754	GASKET, FLANGE, 1-1/2" (SOLD AS QTY 1)	ALL ASME
34	100288537	FLANGE KIT (CONTAINS 2 FLANGES, 2 GASKETS, & 4 BOLTS)	ALL ASME
35	100163259*	SIGHT GLASS KIT	ALL
-	100146604	GASKET STRIP, FIBERGLASS, WHITE	ALL
-	100163202	TUBING, EPDM, 1/4"	ALL
-	100208097	ESCUTCHEON GASKET, 3/4"	ALL
-	100146588	GASKET, PVC - 1/4" X 5/8" BLACK	ALL
-	100146589	GASKET, TAPE, 1/4" X 5/8" X 15' SILICONE SPONGE	ALL
-	100208454	RELIEF VALVE, 3/4", 50 PSI	ALL ASME
-	100208454	RELIEF VALVE, 3/4", 50 PSI	ALL NON-ASME
-	100163209	SILICONE TUBING	ALL
-	100370223	WIRE HARNESS, CONNECTOR RELAY	ALL
-	100370224	WIRE HARNESS, 120V-V24V	ALL
-	100370225	WIRE HARNESS, 20"	152-202
-	100370226	WIRE HARNESS, 25"	252
-	100370227	WIRE HARNESS, 30"	302-402
-	100341773	SPARK GENERATOR, DANFOSS	ALL
LOCH-HEAT TILE			
36	100145548	INSULATION, FRONT-HEAD SIDE PANEL	ALL
37	100145549	INSULATION, REAR-HEAD SIDE PANEL	ALL
38	100145497	INSULATION, BACK PANEL	ER 152
38	100145501	INSULATION, BACK PANEL	ER 202
38	100145504	INSULATION, BACK PANEL	ER 252
38	100145507	INSULATION, BACK PANEL	ER 302
38	100145510	INSULATION, BACK PANEL	ER 402
39	100145719	INSULATION, TOP	ER 152
39	100145720	INSULATION, TOP	ER 202
39	100145721	INSULATION, TOP	ER 252
PLEASE HAVE MODEL AND SERIAL NUMBER WHEN ORDERING PARTS *ITEMS DENOTE SUGGESTED INVENTORY PARTS			

ITEM NO.	PART NO.	DESCRIPTION	MODEL NO.
LOCH-HEAT TILE (CONTINUED)			
39	100145722	INSULATION, TOP	ER 302
39	100145729	INSULATION, TOP	ER 402
40	100145498	INSULATION, BOTTOM PANEL	ER 152
40	100145502	INSULATION, BOTTOM PANEL	ER 202
40	100145505	INSULATION, BOTTOM PANEL	ER 252
40	100145508	INSULATION, BOTTOM PANEL	ER 302
40	100145511	INSULATION, BOTTOM PANEL	ER 402
41	100145499	INSULATION, FRONT PANEL (PRIOR TO SERIAL #A10H00223978)	ER 152
41	100145503	INSULATION, FRONT PANEL (PRIOR TO SERIAL #A10H00223978)	ER 202
41	100145506	INSULATION, FRONT PANEL (PRIOR TO SERIAL #A10H00223978)	ER 252
41	100145509	INSULATION, FRONT PANEL (PRIOR TO SERIAL #A10H00223978)	ER 302
41	100145512	INSULATION, FRONT PANEL (PRIOR TO SERIAL #A10H00223978)	ER 402
41	100145326	INSULATION, FRONT PANEL (BEGINNING SERIAL #A10H00223978)	ER 152
41	100145327	INSULATION, FRONT PANEL (BEGINNING SERIAL #A10H00223978)	ER 202
41	100145332	INSULATION, FRONT PANEL (BEGINNING SERIAL #A10H00223978)	ER 252
41	100145333	INSULATION, FRONT PANEL (BEGINNING SERIAL #A10H00223978)	ER 302
41	100145334	INSULATION, FRONT PANEL (BEGINNING SERIAL #A10H00223978)	ER 402

PLEASE HAVE MODEL AND SERIAL NUMBER WHEN ORDERING PARTS
 *ITEMS DENOTE SUGGESTED INVENTORY PARTS

NOTES

