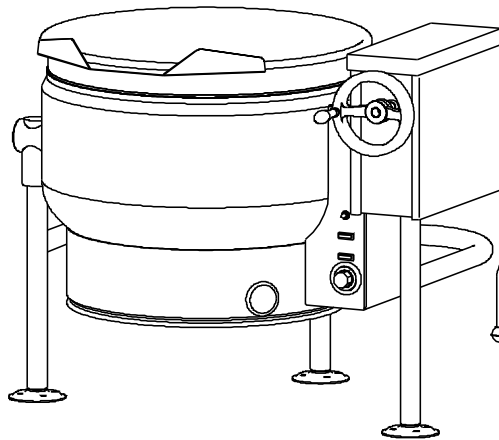
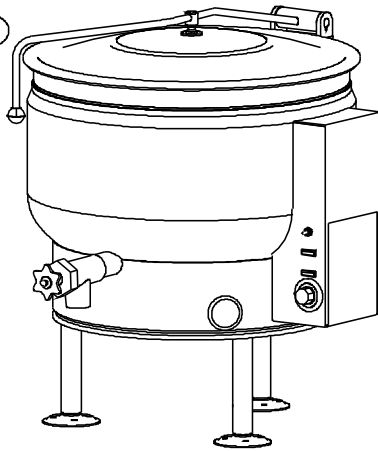




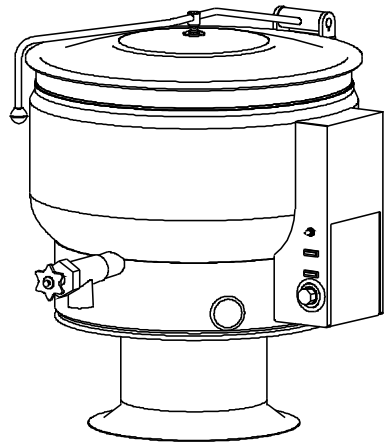
PARTS LIST
SELF-GENERATING STEAM FULL JACKET KETTLES
MODELS: ELT-F
EL-F
EP-F



ELT-F



EL-F



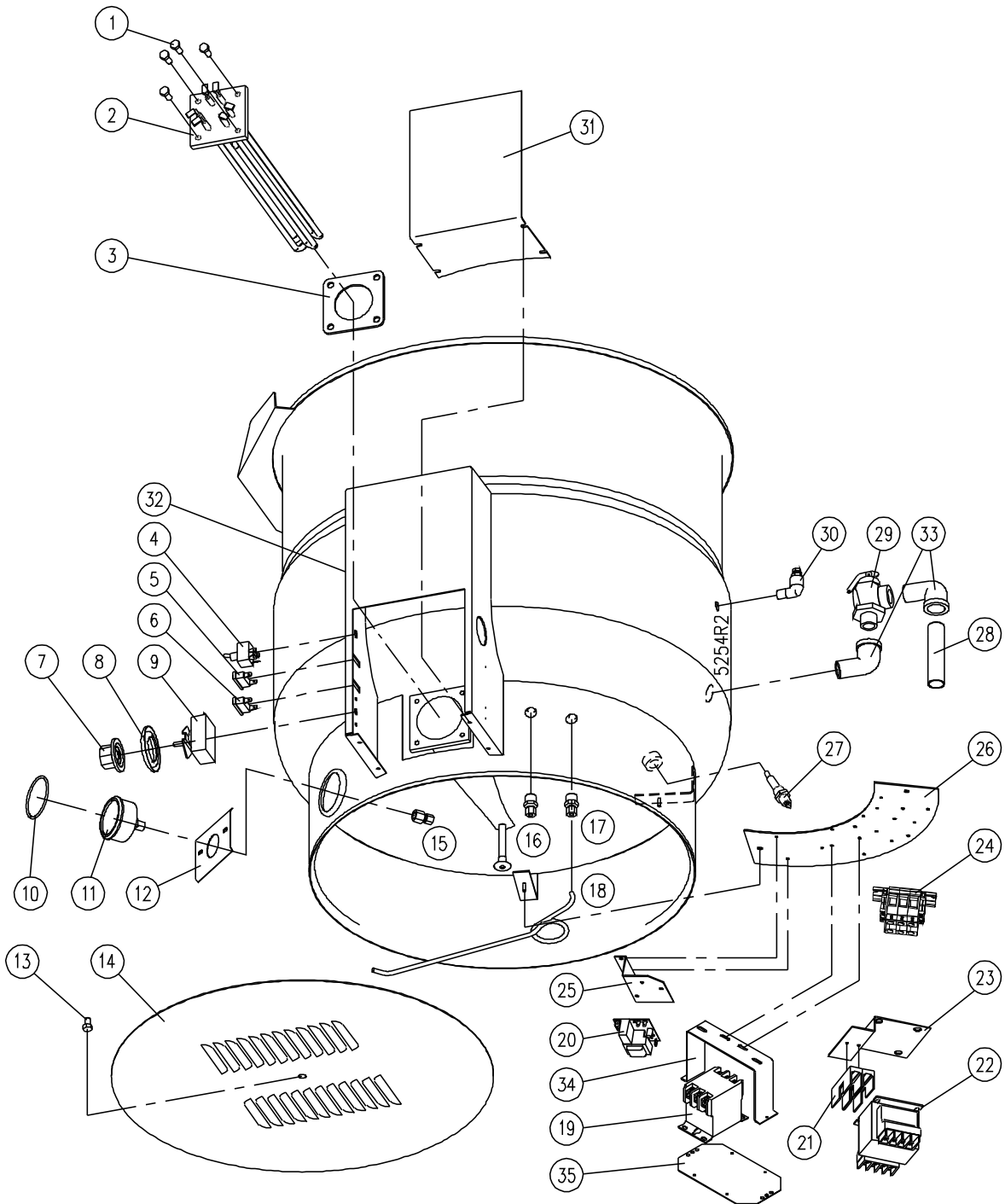
EP-F

SOLARIS STEAM
4673 OSBORNE DR., SUITE D
EL PASO, TX 79922

TELEPHONE: (704) 900-2068

PARTS LIST, SELF-GENERATING STEAM FULL JACKET KETTLES,
 MODELS: ELT-F, EL-F, EP-F

FIGURE 1



PARTS LIST, SELF-GENERATING STEAM FULL JACKET KETTLES,
 MODELS: ELT-F, EL-F, EP-F

FIGURE 1

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>				
			<u>20</u>	<u>30</u>	<u>40</u>	<u>60</u>	
1.	1-66S6	Hex Bolt, 5/16 - 18 x 3/4 Inches	4	4	4	4	
**	2.	7-5027	Element Assembly, 208V, 18 kW	1	1	1	
		7-5028	Element Assembly, 220/380V, 18 kW	1	1	1	
		7-5029	Element Assembly, 240/416V, 18 kW	1	1	1	
		7-5030	Element Assembly, 480V, 18 kW	1	1	1	
		9-3298	Element Assembly, 600V, 18 kW	1	1	1	
		7-5031	Element Assembly, 208V, 24 kW	1	1	1	1
		7-5037	Element Assembly, 220/380V, 24 kW	1	1	1	1
		7-5032	Element Assembly, 240/416V, 24 kW	1	1	1	1
		7-5033	Element Assembly, 480V, 24 kW	1	1	1	1
		9-3299	Element Assembly, 600V, 24 kW	1	1	1	1
		7-5034	Element Assembly, 208V, 33 kW		1	1	1
		7-5038	Element Assembly, 220/380V, 33 kW		1	1	1
		7-5035	Element Assembly, 240/416V, 33 kW		1	1	1
		7-5036	Element Assembly, 480V, 33 kW		1	1	1
		2348-2	Element Assembly, 600V, 33 kW		1	1	1
	3.	5986-1	Element Gasket	1	1	1	1
	4.	9110-1	Power Switch	1	1	1	1
	5.	4996-5	Pilot Light - Amber, Low Water	1	1	1	1
	6.	4996-5	Pilot Light - Amber, Temperature	1	1	1	1
**	7.	6311-1	Knob Assembly (1-10)	1	1	1	1
		5975-2	Knob Assembly (°F)	1	1	1	1
		5976-2	Knob Assembly (°C)	1	1	1	1
	8.	4-TB05	Bezel	1	1	1	1
	9.	9126-1	Thermostat	1	1	1	1
	10.	2-230R	"O" Ring	1	1	1	1
	11.	4967-1	Pressure Gauge	1	1	1	1

PARTS LIST, SELF-GENERATING STEAM FULL JACKET KETTLES,
MODELS: ELT-F, EL-F, EP-F

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>			
			<u>20</u>	<u>30</u>	<u>40</u>	<u>60</u>
12.	8-3097	Pressure Gauge Mounting Plate	1	1	1	1
13.	1-66S4	Hex Bolt, 5/16 - 18 x 1/2"	1	1	1	1
** 14.	3041-9	Bottom Cover, ELT-20F	1			
	3041-10	Bottom Cover, ELT-30F		1		
	3041-11	Bottom Cover, ELT-40F			1	
	3041-12	Bottom Cover, ELT-60F				1
	3041-3	Bottom Cover, EL-20F	1			
	3041-4	Bottom Cover, EL-30F		1		
	3041-5	Bottom Cover, EL-40F			1	
	3041-6	Bottom Cover, EL-60F				1
	7139-3	Bottom Cover, EP-20F	1			
	7139-4	Bottom Cover, EP-30F		1		
	7139-5	Bottom Cover, EP-40F			1	
	7139-6	Bottom Cover, EP-60F				1
15.	3-664B	Connector, 1/4 cc x 1/4 FPT	1	1	1	1
16.	2-686C	Connector, Thermostat	1	1	1	1
17.	3-684C	Connector, 1/4 cc x 3/8 MPT	1	1	1	1
18.	5514-2	Copper Tube, 1/4 x 28", 20 Gallon	1			
	5514-3	Copper Tube, 1/4 x 29", 30 Gallon		1		
	5514-4	Copper Tube, 1/4 x 33", 40 Gallon			1	
	5514-5	Copper Tube, 1/4 x 35", 60 Gallon				1
** 19.	9348-208	Contactora, 208 - 240V, 18 kW, 24 kW	2	2	2	2
	9348-208	Contactora, 380 - 600V, 18 kW, 24 kW	1	1	1	1
	9349-208	Contactora, 208 - 240V, 33 kW		2	2	2
	9349-208	Contactora, 380 - 600V, 33 kW		1	1	1
20.	3974-2	Low Water Cut Off	1	1	1	1
** 21.	9002-1	Fuse Holder, 380 - 600V	2	2	2	2
	9001-2	Fuse, 1/2 Amp., 380V - 600V	2	2	2	2

PARTS LIST, SELF-GENERATING STEAM FULL JACKET KETTLES,
MODELS: ELT-F, EL-F, EP-F

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>			
			<u>20</u>	<u>30</u>	<u>40</u>	<u>60</u>
	9092-3	Glass Fuse, 3A, 208-240V	2	2	2	2
	9068-1	Fuse Holder, 208-240V	2	2	2	2
**	21.	9092-3 Glass Fuse, Fuse 3A, 380/220V & 415/240V	1	1	1	1
	9068-1	Fuse Holder, 380/220V & 415/240V	1	1	1	1
**	22.	4-T251 Transformer, 380-220, 50/60 Hz, 100VA	1	1	1	1
	4-T251	Transformer, 415-220, 50/60 Hz, 100VA	1	1	1	1
	4-T255	Transformer, 480-240, 50/60 Hz, 100VA	1	1	1	1
	4-T260	Transformer, 600-240, 60 Hz, 100VA	1	1	1	1
	23.	5164-1 Transformer Fuse Block Mounting Bracket	1	1	1	1
**	24.	6161-3 Modular Terminal Assembly, 3 Pole Includes Following Parts:	1	1	1	1
	9374-1	Modular Terminal, Grey	3	3	3	3
	9375-1	End Plate	1	1	1	1
	9369-1	End Clamp	2	2	2	2
	9368-079	Mounting Rail, 79 mm	1	1	1	1
	6161-4N	Modular Terminal Assembly , 4 Pole Includes Following Parts:	1	1	1	1
	9374-1	Modular Terminal, Grey	3	3	3	3
	9374-2	Modular Terminal, Blue	1	1	1	1
	9375-1	End Plate	1	1	1	1
	9369-1	End Clamp	2	2	2	2
	9368-098	Mounting Rail, 98 mm	1	1	1	1
	25.	5885-1 Bracket, Level Control	1	1	1	1
**	26.	8-2072 Component Mounting Plate	1			
	8-2073	Component Mounting Plate		1		

PARTS LIST, SELF-GENERATING STEAM FULL JACKET KETTLES,
MODELS: ELT-F, EL-F, EP-F

<u>ITEM</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>				
			<u>20</u>	<u>30</u>	<u>40</u>	<u>60</u>	
	8-2074	Component Mounting Plate			1	1	
27.	4-LLP1	Probe, 2-1/16 Lg.	1	1	1	1	
28.	5184-1	Extension, Relief Valve	1	1	1	1	
29.	3-SRV9-1	Safety Relief Valve, 50 psi	1	1	1	1	
30.	3-AV01	Air Vent Assembly	1	1	1	1	
**	31.	8-3030-2	Control Box Cover (6880-3), 20 Gallon	1			
		8-3030-3	Control Box Cover (6880-4), 30 Gallon		1		
		8-3030-4	Control Box Cover (6880-5), 40 Gallon			1	
		8-3030-5	Control Box Cover (6880-6), 60 Gallon				1
*	32.	6561-4	Control Panel Decal	1			
		6561-5	Control Panel Decal		1		
		6561-6	Control Panel Decal			1	
		6561-7	Control Panel Decal				1
	33.	9012-4P	Street Elbow 90°, 3/4 NPT	2	2	2	2
	34.	8234-1	Contactoer Bracket	1	1	1	1
	35.	6042-1	Contactoer Plate	1	1	1	1

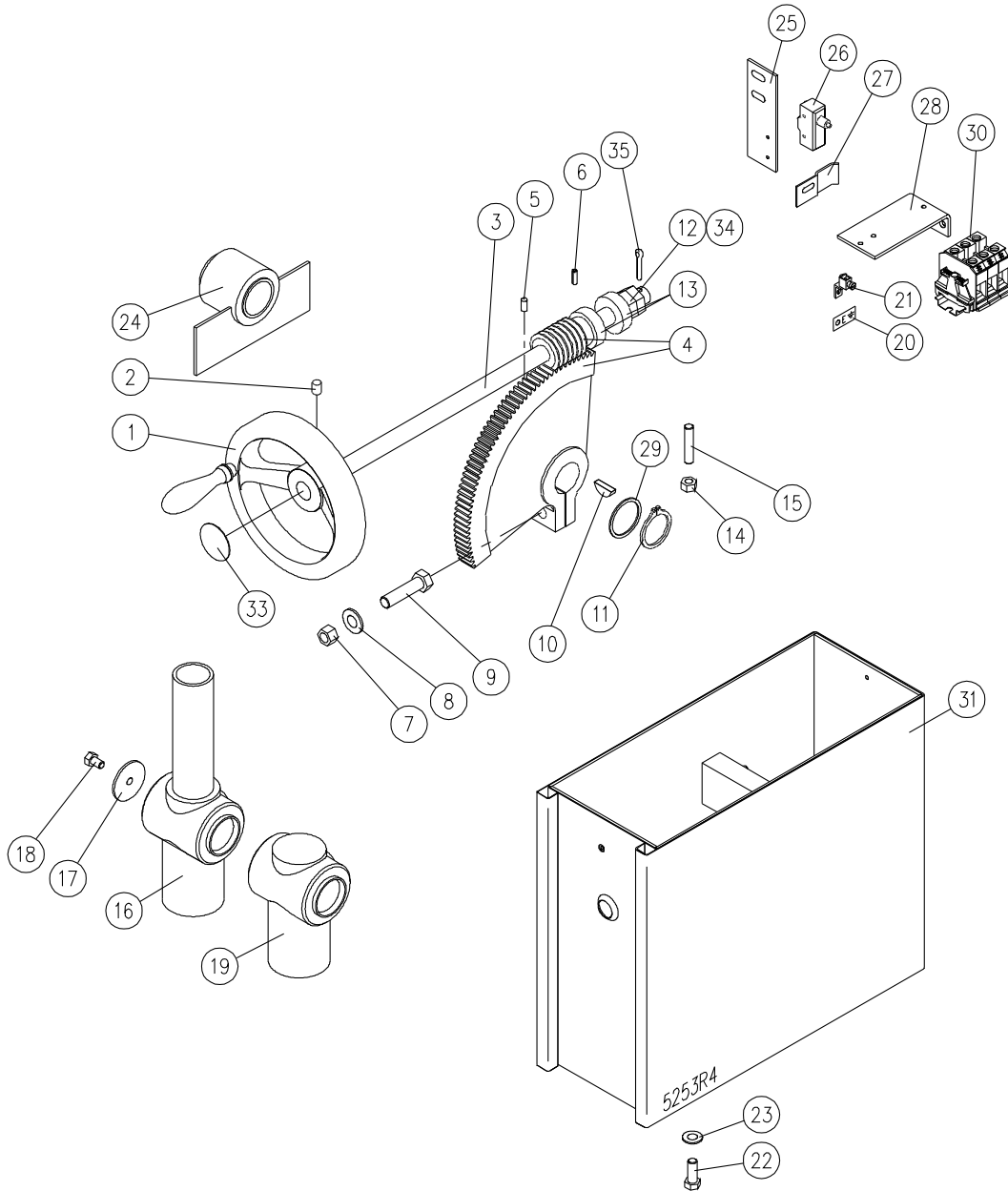
* NOT SHOWN.

** SELECT AS REQUIRED.

PARTS LIST, SELF-GENERATING STEAM FULL JACKET KETTLES,
MODELS: ELT-F, EL-F, EP-F

TILT CONSOLE PARTS

FIGURE 2



PARTS LIST, SELF-GENERATING STEAM FULL JACKET KETTLES,
 MODELS: ELT-F, EL-F, EP-F

FIGURE 2

<u>ITEM</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
1.	8-2054	Hand Wheel	1
2.	1-72U4	Set Screw 3/8 -16 x 1/2"	1
3.	6738-2	Tilt Shaft	1
4.	5393-1	Segment Gear & Worm Gear Kit (Includes items 5 to 11)	1
5.	1-52U4	Set Screw, 1/4 - 20 x 1/2"	1
6.	2-T6U5	Tension Pin, 3/16" Diameter x 1-1/4" Length	1
7.	1-99C0	Nut, 1/2 - 13	1
8.	1-W4C0	Lock Washer, 1/2"	1
9.	2-96C8	Bolt, 1/2 - 13 x 2"	1
10.	1-K8U8	Key Woodruff	1
11.	1-R315	Retaining Ring	1
12.	2-HN66	Jam Nut	2
13.	5327-1	Thrust Bearing	2
14.	1-79C0	Nut, 3/8 - 16	1
15.	2-72U7	Set Screw, 3/8 - 16 x 1-3/4"	1
16.	8-2085EE	Outbore Bearing complete with extension - used on spring assist covers only - specify model.	1
17.	9-3197	Stainless Steel Washer	1
18.	9-3198	Bolt	1
19.	8-2085E	Outbore Bearing	1
20.	9-3104	Ground ID Tag	1
21.	4-70EU	Ground Lug	1

PARTS LIST, SELF-GENERATING STEAM FULL JACKET KETTLES,
MODELS: ELT-F, EL-F, EP-F

FIGURE 2

<u>ITEM</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
22.	1-75C8	Bolt 3/8-16 x 1"	4
23.	1-70C0	Lock Washer 3/8"	4
24.	8-2090	Block Bearing	1
25.	4653-1	Micro Switch Bracket	1
26.	4-M605	Micro Switch	1
27.	4359-1	Micro Switch Activator Bracket	1
28.	4214-1	Terminal Block Bracket	1
29.	5259-1	Spacer, 1/16" Thick	As Required
30.	6161-3	Modular Terminal Assembly, 3 Pole	1
		Includes Following Parts:	
	9374-1	Modular Terminal, Grey	3
	9375-1	End Plate	1
	9369-1	End Clamp	2
	9368-079	Mounting Rail, 79 mm	1
	6161-4N	Modular Terminal Assembly, 4 Pole	1
		Includes Following Parts:	
	9374-1	Modular Terminal, Grey	3
	9374-2	Modular Terminal, Blue	1
	9375-1	End Plate	1
	9369-1	End Clamp	2
	9368-098	Mounting Rail, 98 mm	1
31.	2960-1	Console Assembly, ELT	1
* 32.	1-34S4	Screw, Console Cover, 10 - 32 x 1/2"	1

PARTS LIST, SELF-GENERATING STEAM FULL JACKET KETTLES,
MODELS: ELT-F, EL-F, EP-F

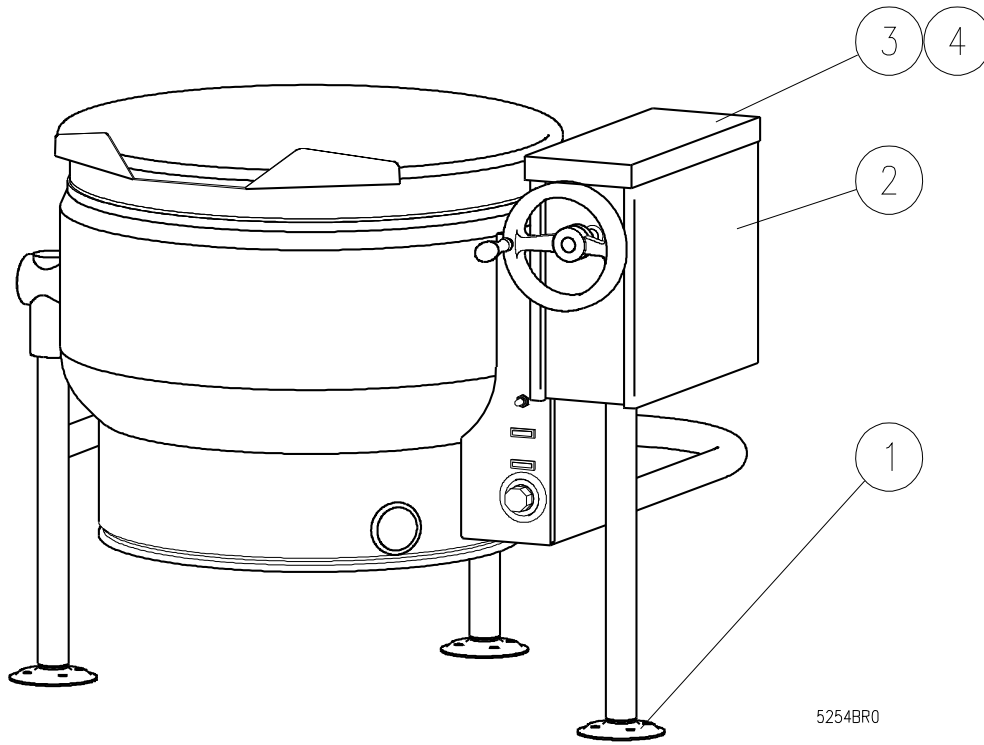
33.	5608-1	Decal - Tilt	1
34.	5328-1	Washer, 3/4 ID x 1-1/4 OD	1
35.	5329-1	Cotter Pin S.S. 3/16" x 1"	1

* NOT SHOWN.

PARTS LIST, SELF-GENERATING STEAM FULL JACKET KETTLES,
 MODELS: ELT-F, EL-F, EP-F

PARTS LIST

FIGURE 3



ELT-F

<u>ITEM</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
1.	8-1308	Adjustable Flanged Foot	3
2.	2960-1	Console Box	1
3.	3534-1	Console Cover	1
4.	1-34S4	Screw, 10 - 32 x 1/2"	1

PARTS LIST, SELF-GENERATING STEAM FULL JACKET KETTLES,
MODELS: ELT-F, EL-F, EP-F

FIGURE 4

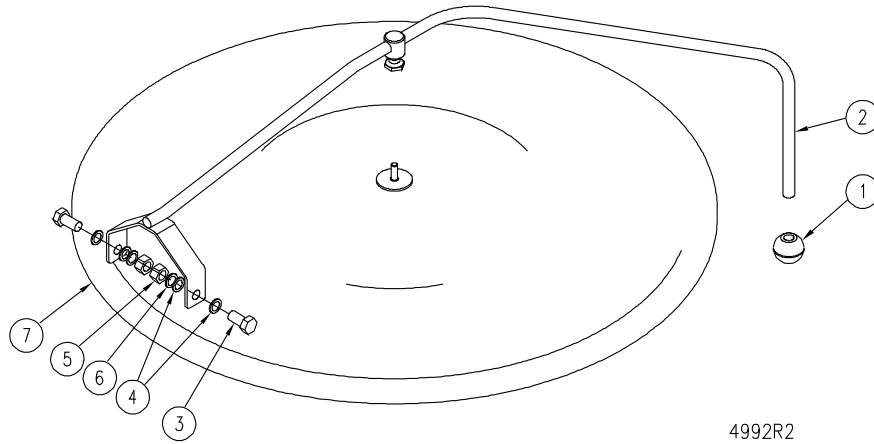
<u>ITEM</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
	9-3185	HINGE ASSEMBLY	
1.	8-2029	Lock Pin	1
2.	8-2035L	End Lock Plate	1
3.	5428-1	Stationary Disc	1
4.	5430-1	Core	1
5.	8-2026	Spring	1
** 6.	8-2028-2	Handle Assembly, 20 Gallon Kettle	1
	8-2027	Handle Assembly, 30 Gallon Kettle	1
	8-2027-1	Handle Assembly, 40 Gallon Kettle	1
	8-2027-2	Handle Assembly, 60 Gallon Kettle	1
7.	5429-1	Rotary Disc	1
8.	8-2021	End Stop Plate	1
9.	1-56S6	Cap Screws, 1/4 - 20 x 3/4, Stainless Steel	4
10.	2-KB01	Knob	1
11.	4261-1	Mounting Plate Assembly - Tilting Models Only	1
** 12.	8-2005	Covers, 20 Gallon Kettle	1
	8-2006	Covers, 30 Gallon Kettle	1
	8-2007	Covers, 40 Gallon Kettle	1
	8-2008	Covers, 60 Gallon Kettle	1

** SELECT AS REQUIRED.

PARTS LIST, SELF-GENERATING STEAM FULL JACKET KETTLES,
 MODELS: ELT-F, EL-F, EP-F

FIGURE 5

HINGE ASSEMBLY

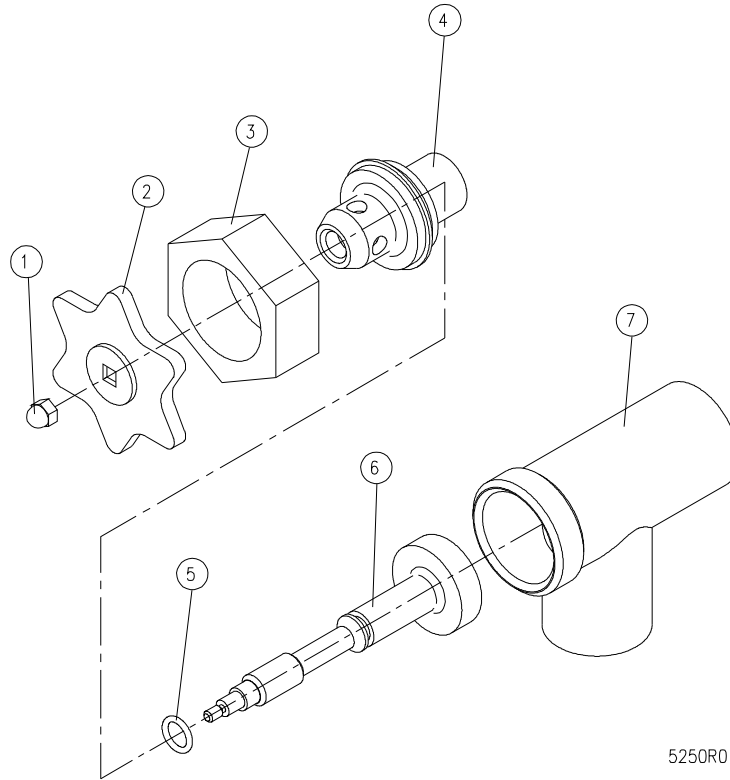


<u>ITEM</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
1.	2-KB01	Knob	1
** 2.	9-3231-2	Handle Assembly, 20 Gallon Kettle	1
3.	1-85S8	Bolt	2
4.	1-W0V6	Fibre Washer	4
5.	1-89S0	Hex Nut, 1/2-20 UNF, Stainless Stl.	2
6.	S05N-12	Split Lock Washer	2
7.	8-2005	Cover, 20 Gallon Kettle	1

* * SELECT AS REQUIRED

PARTS LIST, SELF-GENERATING STEAM FULL JACKET KETTLES,
 MODELS: ELT-F, EL-F, EP-F

FIGURE 6



DRAW-OFF VALVE

<u>ITEM</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
	3-D015	1 - 1/2" DRAW-OFF VALVE ASSEMBLY	
1.	9031-3	Acorn Nut, 10-24 UNC	1
2.	4115-1	Handle, Stainless Steel	1
3.	3-DV13	Gland Nut	1
4.	3-DV14	Bonnet	1
5.	3-DV16	"O" Ring	1
6.	3-DV15RV	Stem Assembly	1
7.	3-DV17	Valve Body	1

PARTS LIST, SELF-GENERATING STEAM FULL JACKET KETTLES,
 MODELS: ELT-F, EL-F, EP-F

<u>ITEM</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
	3-D020	2" DRAW-OFF VALVE ASSEMBLY	
1.	9031-3	Acorn Nut, 10-24 UNC	1
2.	4115-1	Handle, Stainless Steel	1
3.	3-DV23	Gland Nut	1
4.	3-DV24	Bonnet	1
5.	3-DV26	"O" Ring	1
6.	3-DV25RV	Stem Assembly	1
7.	3-DV27	Valve Body	1

<u>ITEM</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
	3-D030	3" DRAW-OFF VALVE ASSEMBLY	
1.	3-DV31	Acorn Nut, 7/16-14 UNC	1
2.	3-DV32	Handle, Stainless Steel	1
3.	3-DV33	Gland Nut	1
4.	3-DV34	Bonnet	1
5.	3-DV36	"O" Ring	1
6.	3-DV35RV	Stem Assembly	1
7.	3-DV37	Valve Body	1