



**FT-20CE
ELECTRIC TILTING KETTLE
PARTS AND SERVICE MANUAL**

EFFECTIVE JANUARY 8, 2018

Superseding All Previous Parts Lists.

The Company reserves the right to make substitution in the event that items specified are not available.

ERRORS: Descriptive and/or typographic errors are subject to correction.

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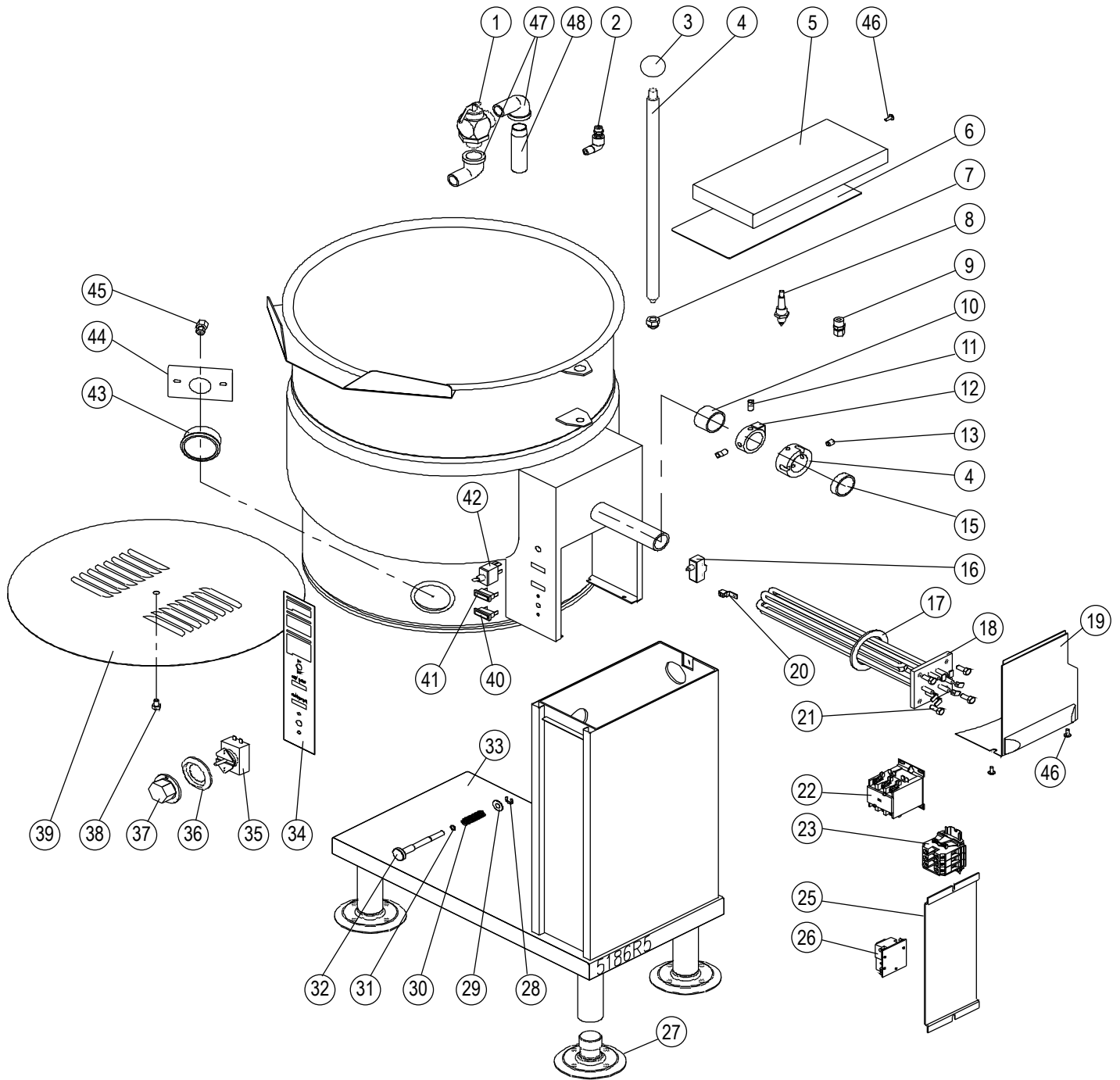
P/N 14-0353 Rev B

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KETTLE PARTS



ITEM	PART NO.	DESCRIPTION	QTY
1	97-5009	Relief Valve, 50 PSI	1
2	97-5415	Air Vent Assembly	1
3	97-5008	Phenolic Knob	1
4	97-7145	Handle	1
5	97-6993	Console Cover	1
6	97-6965	Console Cover Gasket	1
7	97-7342	Acorn Nut, 1/2 - 13 NC	1

KETTLE PARTS

ITEM	PART NO.	DESCRIPTION	QTY
8	97-5425	Probe	1
9	97-5619	Thermostat Probe Fitting	1
10	97-5341	Inner Bearing	1
11	97-7112	Set Screw, 3/8 - 16 x 1/2"	2
12	97-6518	Actuating Collar	1
13	97-7139	Hex Socket Set Screw, 3/8 - 16 x 1/2"	1
*	97-7141	Spring Pin 1/4 x 2-1/4" LG	1
14	97-7140	Cam Collar	1
15	97-5340	Outer Bearing	1
16	97-5414	Interlock Switch	1
17	97-5025	Element Gasket	1
18 **	97-5019	Element Assembly, 208V, 12 kW	1
	97-5020	Element Assembly, 220/380V, 12 kW	1
	97-5021	Element Assembly, 240/415V, 12 kW	1
	97-5022	Element Assembly, 480V, 12 kW	1
	9-3298-1	Element Assembly, 600V, 12 kW	1
19	97-9007	Trunnion Box Cover	1
20	97-5052	Ground Lug	1
21	M50S51618-34	Hex Bolt 5/16-18 x 3/4"	4
22 **	97-5609	Contactor (208, 240V)	2
	97-5609	Contactor (380 - 600V)	1
23 **	6161-3	Modular Terminal Assembly, 3 Poles (208 - 240V) Includes the following parts:	1
	9374-1	Modular Terminal, Grey	3
	9375-1	End Plate	1
	9369-1	End Clamp	2
	9368-079	Mounting Rail, 79 mm	1
23 **	9390-3	Modular Terminal Assembly, 3 Poles (380 - 600V) Includes the following parts:	
	9391-1	Modular Terminal	3
	9392-1	End Plate	1
	9393-1	End Clamp	2
	9394-065	Mounting Rail, 65 mm	1
23 **	9390-4N	Modular Terminal Assembly, 4 Poles with Neutral (380/220V, 415/240V) Includes the following parts:	1
	9391-1	Modular Terminal	3
	9391-2	Modular Terminal, Blue	1
	9392-1	End Plate	1
	9393-1	End Clamp	2
	9394-065	Mounting Rail, 65 mm	1
24	97-6412	Wire Harness	1
25	97-5657	Component Mounting Plate	1

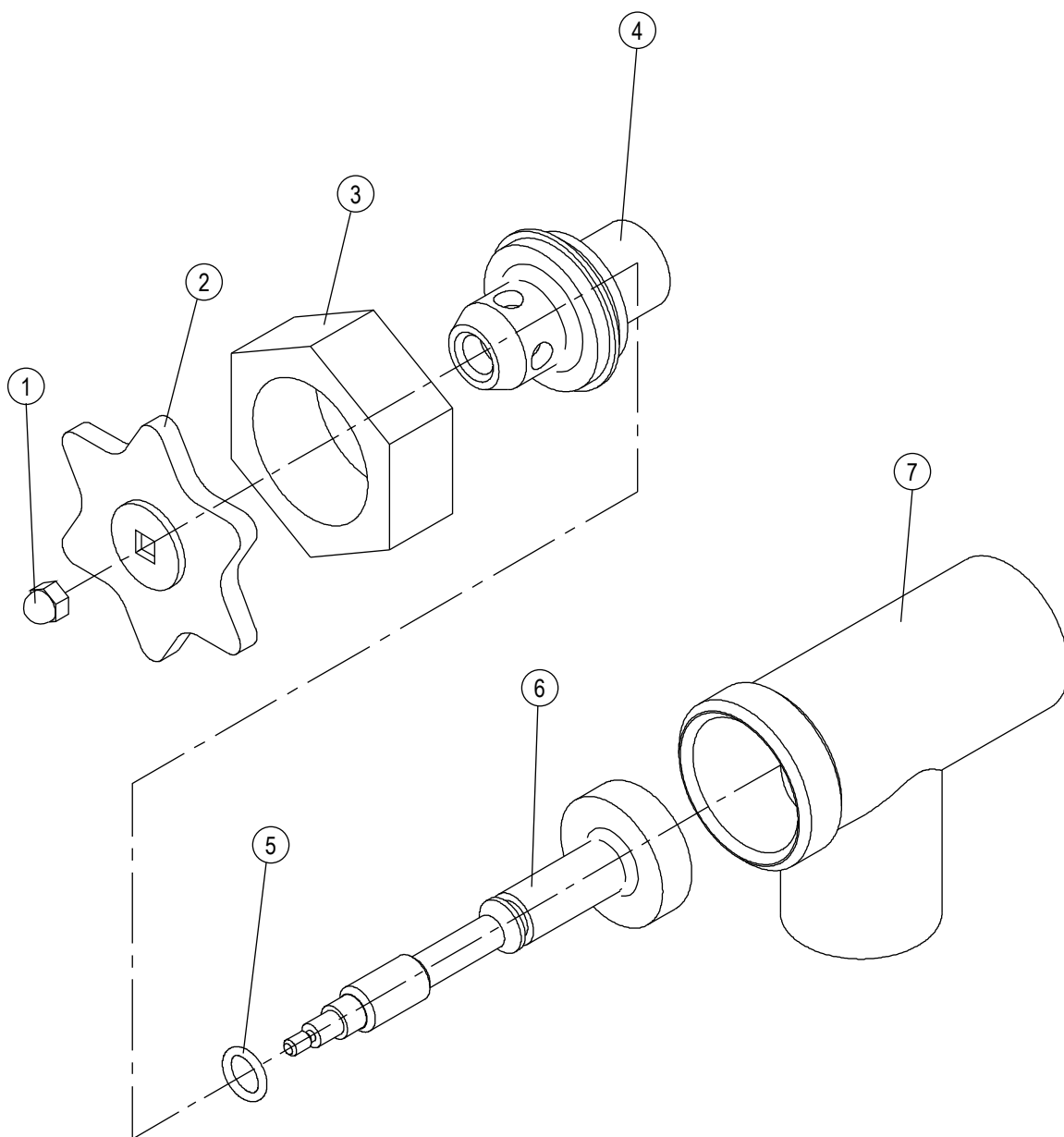
KETTLE PARTS

ITEM	PART NO.	DESCRIPTION	QTY
26	97-7125	Liquid Level Control	1
27	97-5032	Flanged Adjustable Feet	4
28	97-6677	External Ring	1
29	97-6678	Washer	2
30	97-5917	Spring	1
31	97-6679	"O" Ring	1
32	97-6680	Locking Pin	1
33 *	7293-1	Base Assembly	1
34	97-5646	Control Decal	1
35	97-5048	Thermostat	1
36	97-5012	Bezel	1
37	5975-2	Dial (°F)	1
37	5976-2	Dial (°C)	1
38	97-5005	Bolt	1
39	97-5051	Bottom Cover	1
40	97-5419	Pilot Light	1
41	97-5419	Pilot Light	1
42	97-6513	Power Switch	1
43	97-6563	Pressure Gauge	1
44	97-5147	Pressure Gauge Mounting Bracket	1
45	97-5046	Connector, 1/4" C x 1/4" FP	1
46	M33S1032-12	Screw, 10-32 x 1/2	3
47 *	9012-4P	Street Elbow, 90°, Black Iron, Plated	2
48 *	5184-1	Relief Valve Extension	1
49 *	3-664B	Connector, Brass, 1/4C x 1/4 FPT	1
50 *	3-684C	Connector, Brass, 1/4C x 3/8 MPT	1
51 *	3415-1	Trunnion Bushing Housing	2
52 * **	97-5616	Transformer 380V/240V, 100VA, 50/60 Hz	1
	97-5616	Transformer 416V/240V, 100VA, 50/60 Hz	1
	97-5613	Transformer 480V/240V, 100VA, 50/60 Hz	1
	98-6191	Transformer 600V/240V, 100VA, 60 Hz	1
53 * **	97-5476	Glass Fuse, 250V, 3A, (208 - 240V Units)	2
	97-5476	Glass Fuse, 250V, 3A, (380/220V and 415/240V Units)	1
	98-6188	Fuse, 600V, 1/2A, (380 - 600V Units)	2
54 * **	97-5864	Fuse Holder, 300V, Max. 25A (208 - 240V Units)	2
	97-5864	Fuse Holder, 300V, Max. 25A (380/220V and 415/240V Units)	1
	98-6187	Fuse Holder, 600V, 30A (380 - 600V Units)	2

* NOT SHOWN.

** SELECT AS REQUIRED.

DRAW OFF VALVE



DRAW OFF VALVE

1-1/2" DRAW OFF VALVE

ITEM	NO.	DESCRIPTION	QTY
	3-D015	1-1/2" DRAW-OFF VALVE ASSEMBLY	1
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-DV15R	Stem Assembly	1
7	3-DV17	Valve Body	1

2" DRAW OFF VALVE

ITEM	NO.	DESCRIPTION	QTY
	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

3" DRAW OFF VALVE

ITEM	NO.	DESCRIPTION	QTY
	3-D030	3" DRAW-OFF VALVE ASSEMBLY	
1	3-DV31	Acorn Nut, 10-24 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-DV35RV	Valve Body	1