



**FT-GL SERIES
GAS 2/3 JACKETTED TILTING KETTLES
REPLACEMENT PARTS LIST**

EFFECTIVE JANUARY 9, 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.

MARKET FORGE INDUSTRIES

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P/N 14-0360 Rev B

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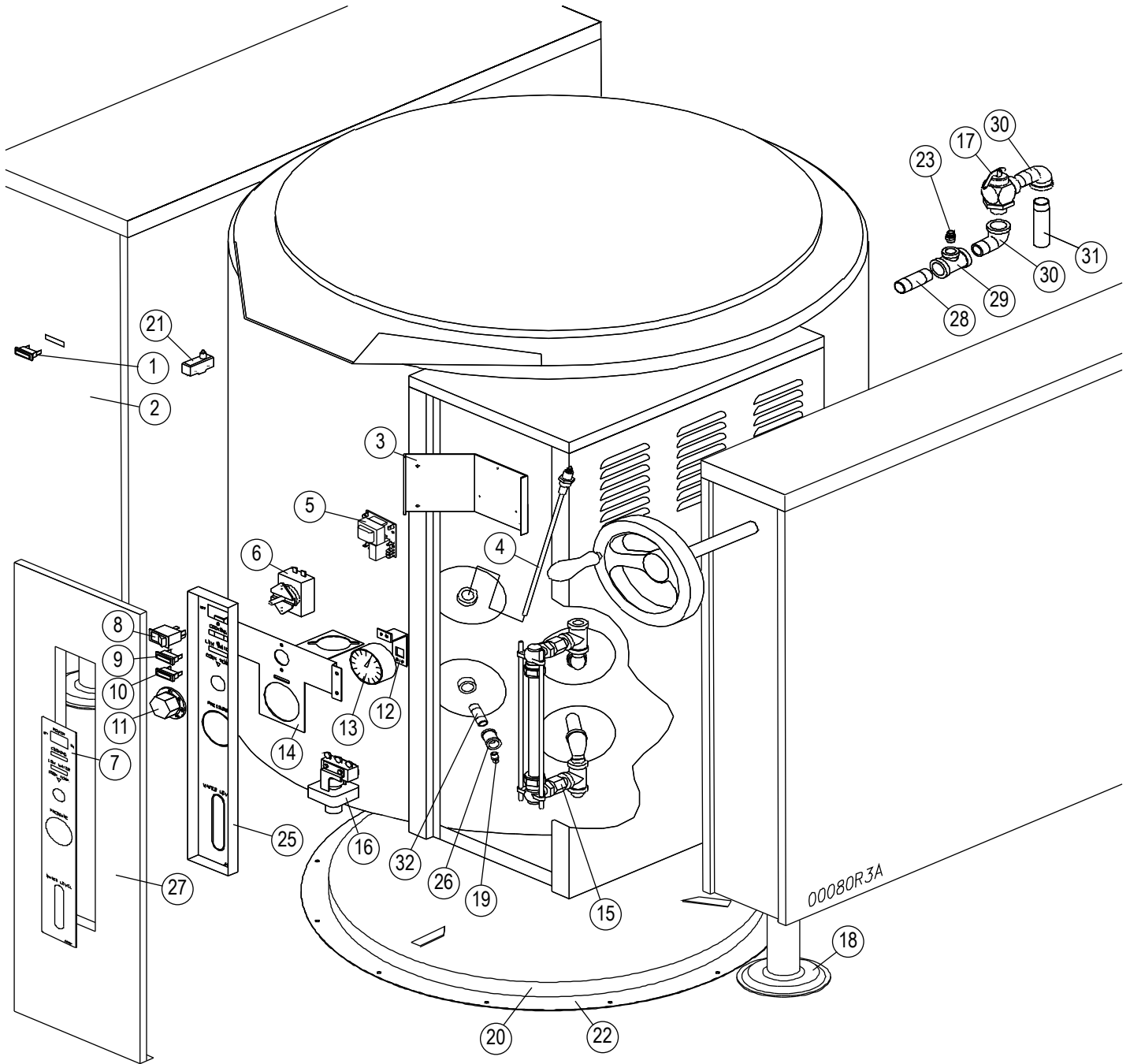
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KETTLE



KETTLE

ITEM	PART NO.	DESCRIPTION	QTY
1	97-5725	Pilot Light - Green 24V	1
2	97-5423	Instruction Label	1
3	97-5424	Low Water Control Mounting Bracket	1
**4	97-5554	Probe, 9 3/4" (20 Gallon)	1
	97-5580	Probe, 9 1/4" (30, 40, 60 Gallon)	1
5	97-5426	Low Water Cut Off Control	1
6	97-5427	Thermostat	1
7	97-5357	Poly Panel	1
8	97-5429	Power Switch	1
9	97-5430	Pilot Light - Red	1
10	97-5431	Pilot Light - Amber	1
11	97-5559	Dial	1
12	97-5433	Pressure Gauge Bracket	1
13	97-5002	Pressure Gauge	1
**14	97-5434	Mounting Bracket (30, 40 gallon only)	1
	97-3435	Mounting Bracket (20, 60 gallon only)	1
15	97-5436	Sight Glass Assembly	1
	97-7254	Glass, 5/8" x 8" Long	1
	97-7182	Rods	2
	97-7180	Washer - Rubber	2
	97-7181	Washer - Brass	2
16	97-5437	Pressure Switch	1
17	97-5997	Relief Valve	1
18	97-5032	Flanged Foot	2
19	3-684C	Connector, Brass, 1/4C x 3/8 MPT	1
20	8328-1	Insulation, Bottom Cover, 20 Gal.	1
	8328-2	Insulation, Bottom Cover, 30, 40 Gal.	1
	8328-3	Insulation, Bottom Cover, 60 Gal.	1
21	4-M605	Interlock Switch	1
22	8329-1	Bottom Cover Assembly with Insulation, 20 Gal.	1
	8329-2	Bottom Cover Assembly w/ Insulation, 30, 40 Gal.	1
	8329-3	Bottom Cover Assembly with Insulation, 60 Gal.	1
23	3-AV00	Air Vent	1
**24*	97-5643	Combustion Chamber (20 gallon only)	1
	97-5644	Combustion Chamber (30, 40 gallon only)	1
	97-5645	Combustion Chamber (60 gallon only)	1
25	97-7174	Recessed Control Panel	1
26	PP-427	Tee, 3/8 NPT	1
**27	97-7265	Control Panel (20 gallon only)	1
	97-7266	Control Panel (30 gallon only)	1

KETTLE

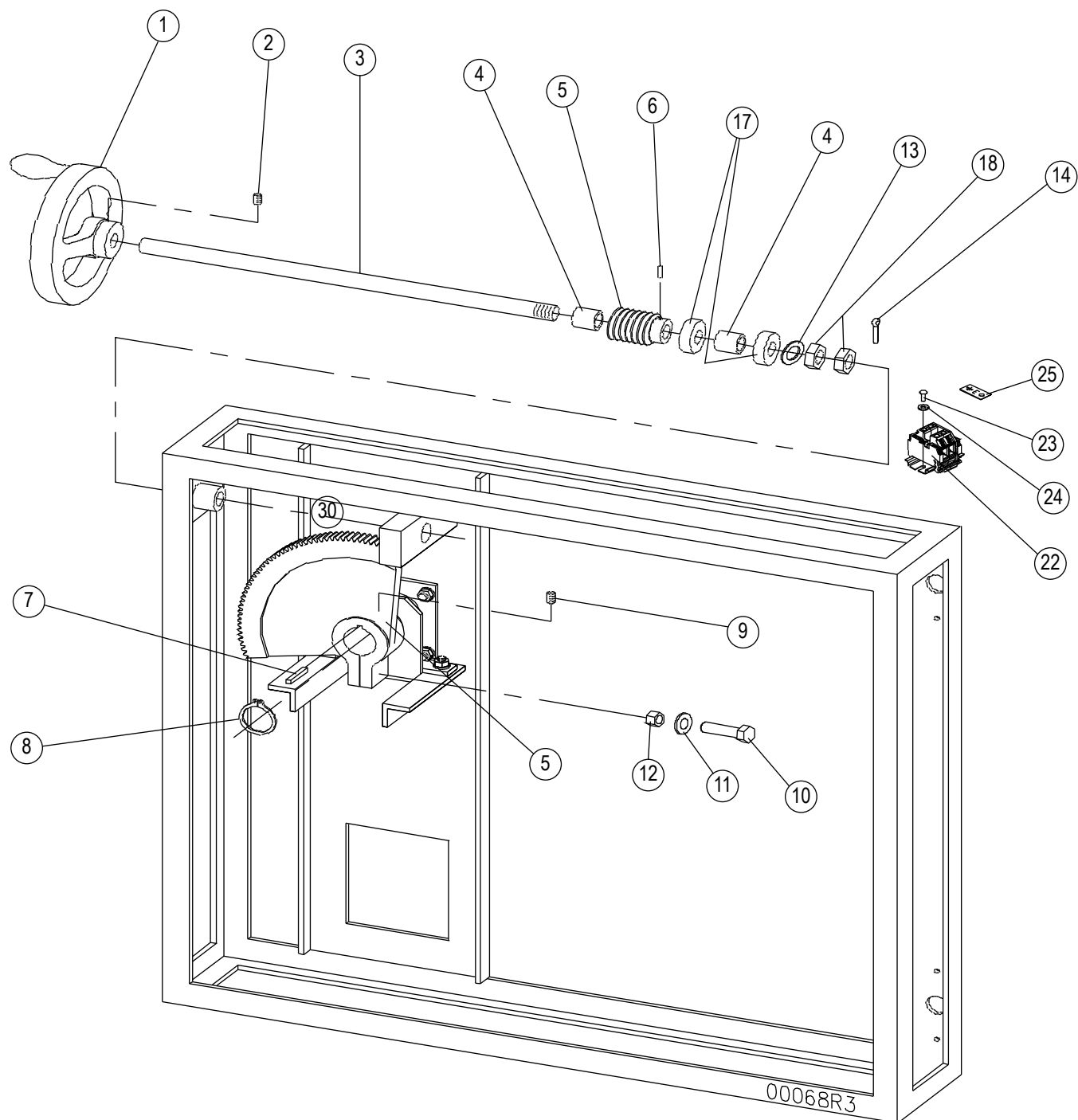
ITEM	PART NO.	DESCRIPTION	QTY
	97-7267	Control Panel 40 gallon only)	1
	97-7268	Control Panel (60 gallon only)	1
28	9010-034	Nipple, 3/4-Sch. 40 x 3-1/2" Lg.	1
29	9013-6P	Tee, 3/4 x 3/4 x 3/8 NPT	1
30	9012-4P	Street Elbow, 90°, 3/4 NPT	2
31	5184-1	Extension, Relief Valve	1
32	9091-020	Brass Pipe Nipple, 3/8 x 2 Lg.	1

* NOT SHOWN.

** SELECT AS REQUIRED.

TILTING MECHANISM

20 GALLON MODEL



TILTING MECHANISM

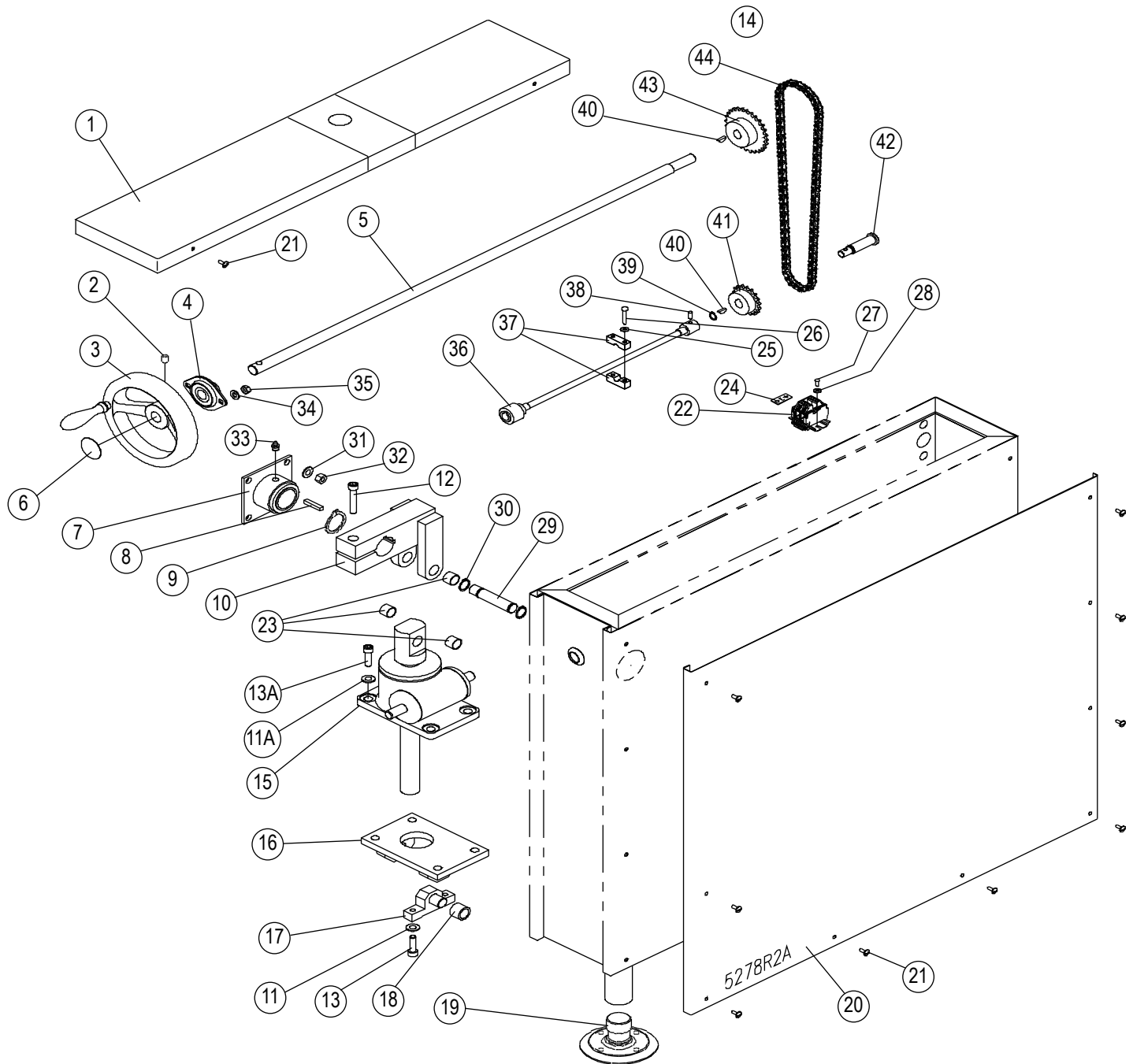
20 GALLON MODEL

ITEM	PART NO.	DESCRIPTION	QTY
1	97-5090	Handwheel	1
2	97-5091	Socket Set Screw, 3/8-16 x 1/2	1
3	97-5092	Tilt Shaft	1
4	97-5420	Bushing	2
5	97-5098	Segment Gear and Worm Gear Kit (Includes Items 6 - 12)	1
6	97-5093	Tension Pin, 3/16" D x 1-1/4" L	1
7	97-5845	Key, 1/4" Square x 1-1/4" L	1
8	97-5546	Retaining Ring	1
9	97-5416	Socket Set Screw, 1/4-20 x 1/2	2
10	97-7246	Bolt, 1/2 - 13 x 2	1
11	S01X-12	Washer, Lock, 1/2"	1
12	97-7248	Nut, 1/2-13UNC	1
13	97-5820	Washer 3/4 ID x 1 - 1/4 OD	1
14.	97-5821	Cotter Pin S.S. 3/16 x 1	1
*15	97-5702	Cord Set, 120V	1
*16	97-6494	Decal – Tilt	1
17	97-5095	Thrust Bearing	2
18	97-5096	Jam Nut, 3/4 - 16	2
*19	97-7249	Console Cover	1
*20	97-5720	Console Cover Assembly (Faucet Mount), Optional	1
*21	97-5902	Spacer (Faucet Mount)	1
22	9390-2	Terminal Assembly (Includes the following parts)	1
	9391-1	Modular Terminal	2
	9392-1	End Plate	1
	9393-1	End Clamp	2
	9394-053	Mounting Rail, 53 mm	1
23	1-21C2	Round Head Screw, 8-32 x 1/4	2
24	E01X-8	Tooth Lock Washer # 8	2
25	4188-1	Earth/Ground ID Tag	1

* NOT SHOWN.

TILT CONSOLE AND PARTS

30, 40 & 60 GALLON MODELS



TILT CONSOLE AND PARTS

30, 40 & 60 GALLON MODELS

ITEM	PART NO.	DESCRIPTION	QTY
**1	97-5829	Console Cover	1
*	98-6196	Console Cover Assembly (Faucet Mount), OPTIONAL.	1
*	97-5902	Spacer (Faucet Mount), OPTIONAL.	1
2	9061-5	Set Screw, 3/8-16 x 1/2	1
3	97-5090	Handwheel	1
4	97-5814	Front Bearing	1
5	97-5832	Tilt Shaft	1
6	97-6494	Tilt Label	1
7	97-5712	Trunnion Housing Assembly	1
8	97-5845	Key	1
9	97-5546	Retaining Ring	1
10	97-5737	Arm	1
11	97-5868	Flat Washer 3/8	4
11A	F01X-12	Flat Washer, 1/2	4
12	M68P-3816-2	Hex Socket Cap Screw, 3/8-16 x 2	1
13	M68P-3816-1	Hex Socket Hd Screw, 3/8-16 x 1"	4
13A	M68P-1213-114	Hex Socket Hd Screw, 1/2-13 x 1-1/4"	4
14	97-5818	Chain Link	1
15	97-5830	Screw Jack	1
16	97-5735	Base Assembly	1
17	97-5831	Base Bracket Assembly	2
18	97-5813	Bearing	2
19	97-5032	Adjustable Foot	2
20	97-5732	Side Panel	1
21	97-5738	Truss HD Slot Screw, 10 - 32 x 1/2	10
22	9390-2	Modular Terminal Assembly, 2 Poles (Includes the following parts:)	1
	9391-1	Modular Terminal	2
	9392-1	End Plate	1
	9393-1	End Clamp	2
	9394-053	Mounting Rail, 53 mm	1
23	9209-1815	Bushing, DU, 18 ID x 20 OD x 15L	4
24	4188-1	Earth ID Tag	1
25	F01X-10	Flat Washer #10	2
26	97-5751	Truss HD Phillips Drive, 10 - 32 x 1-1/4	2
27	97-5733	RD HD Slot Drive Screws, 8 - 32 x 1/4	2
28	97-5865	External Tooth Washer # 8	2
29	97-5811	Pin, Rod End of Screw Jack	1

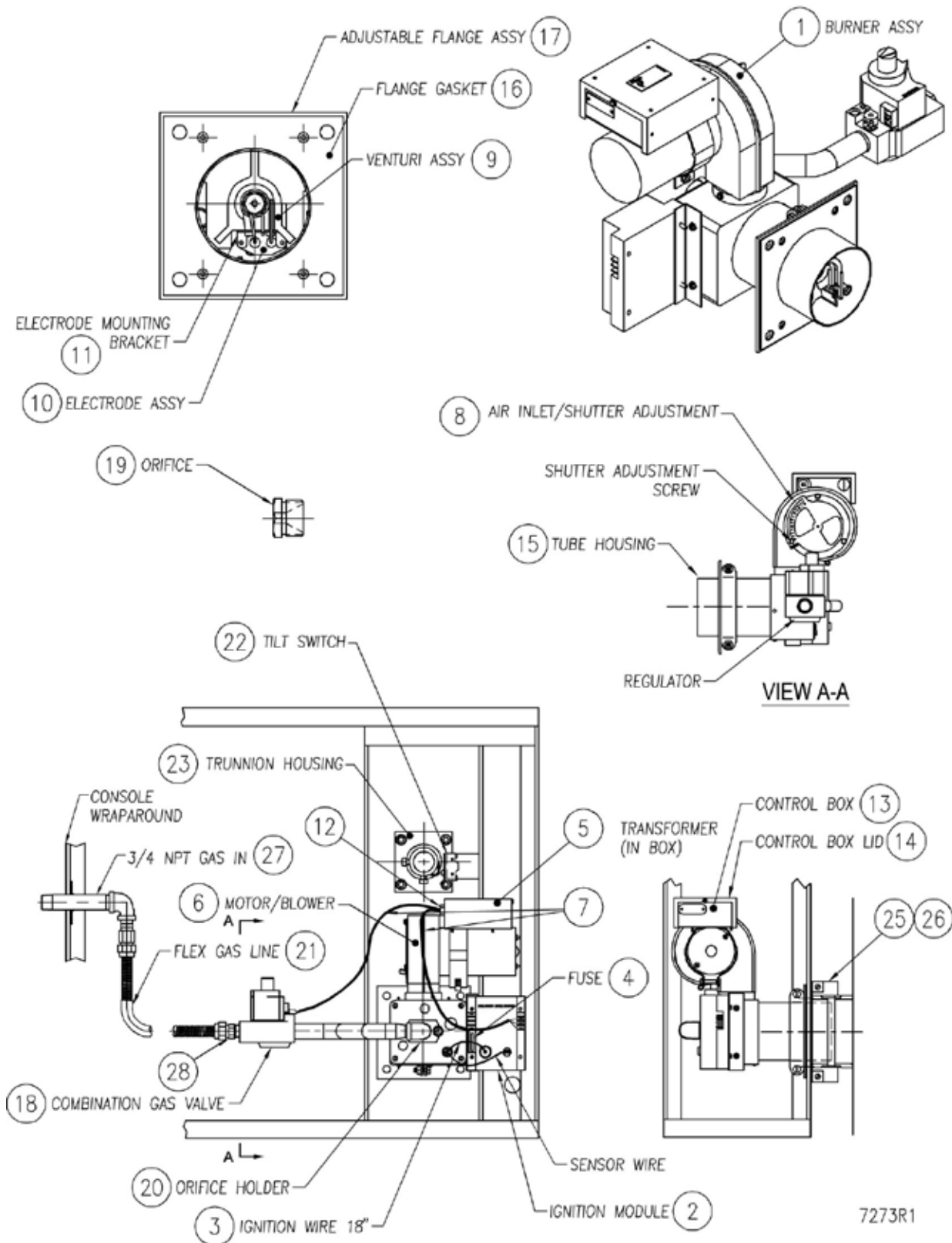
TILT CONSOLE AND PARTS

ITEM	PART NO.	DESCRIPTION	QTY
30	97-7252	Retaining Ring, External, 18 mm	2
31	97-5871	Lock Washer, 3/8	4
32	97-5584	Hex Nut, 3/8 - 16	4
33	97-5790	Grease Nipple, 1/8 NPT	1
34	F01X-516	Flat Washer, 5/16	2
35	97-5739	Hex Nut, 5/16 - 18	2
36	97-5833	Flexible Shaft Assembly	1
37	97-5819	Nylon Shaft Guide	2
38	9075-3	Set Screw, 1/4-28 x 3/8	1
39	97-5741	External Retaining Ring	1
40	97-5815	Key	2
41	97-6569	Sprocket	1
42	97-5812	Output Shaft	1
43	97-5816	Sprocket	1
44	97-5817	Chain	1
*45	97-7275	Single Faucet, 18", OPTIONAL	1
	97-7276	Double Faucet, 18", OPTIONAL	1

* NOT SHOWN.

** SELECT AS REQUIRED.

INTERIOR COMPONENTS



INTERIOR COMPONENTS

ITEM	PART NO.	DESCRIPTION	QTY. 20 GAL.	QTY. 30/40 GAL.	QTY. 60 GAL.
**1	97-7278	Complete Burner Assembly, Natural Gas	1		
	97-7279	Complete Burner Assembly, LP Gas	1		
	97-7280	Complete Burner Assembly, Natural Gas		1	
	97-7281	Complete Burner Assembly, LP Gas		1	
	97-7282	Complete Burner Assembly, Natural Gas			1
	97-7283	Complete Burner Assembly, LP Gas			1
2	97-5311	DSI Module	1	1	1
3	97-7284	Ignition Wire, 18"	1	1	1
4	97-5476	Fuse, 250V, 3 Amp.	1	1	1
5	97-5313	Transformer, 120/24V, 50/60, 30 VA	1	1	1
6	97-7272	Motor/Blower, 115V/50/60 Hz	1	1	1
7	97-7286	Control/Ignition Module Wire Harness	1	1	1
8	97-7287	Air Shutter Assembly	1	1	1
9	97-7288	Venturi Assembly	1	1	1
10	97-6400	Electrode Assembly	1	1	1
11	97-7289	Electrode Mounting Bracket	1	1	1
12	97-7290	Adaptor Bushing, 7/8"	1	1	1
13	97-7291	Control Box with Strap	1	1	1
14	97-7292	Control Box Lid	1	1	1
15	97-7293	Tube/Housing, 6"	1	1	1
16	97-7294	Flange Gasket, 6-1/2" Square	1	1	1
17	97-7295	Adjustable Flange Assembly, 6-1/2" Square	1	1	1
18	97-7296	Gas Valve (Natural/L.P.), 1/2" x 1/2"	1	1	1
**19	97-6947	Orifice #19, Natural Gas	1		
	97-7297	Orifice #30, L.P. Gas	1		
	97-7298	Orifice #13, Natural Gas		1	
	97-6378	Orifice #27, L.P. Gas		1	
	97-7299	Orifice #7, Natural Gas, 60 gallon			1
	97-6383	Orifice #23, L.P. Gas, 60 gallon			1
20	97-7300	Orifice Holder	1	1	1
21	97-6252	Gas Flex Tube	1	1	1
22	97-5414	Interlock Switch	1	1	1
23	97-5712	Trunnion Housing Assembly	1	1	1
**24*	97-7302	Console Cover, Kettles without Covers	1	1	1
	97-7303	Console Cover, Kettles with Covers	1	1	1
25	97-7304	Console Nozzle Assembly	1	1	1
26	97-7305	Nozzle Cover	1	1	1
27	97-7306	Gas Supply Pipe Assembly	1	1	1

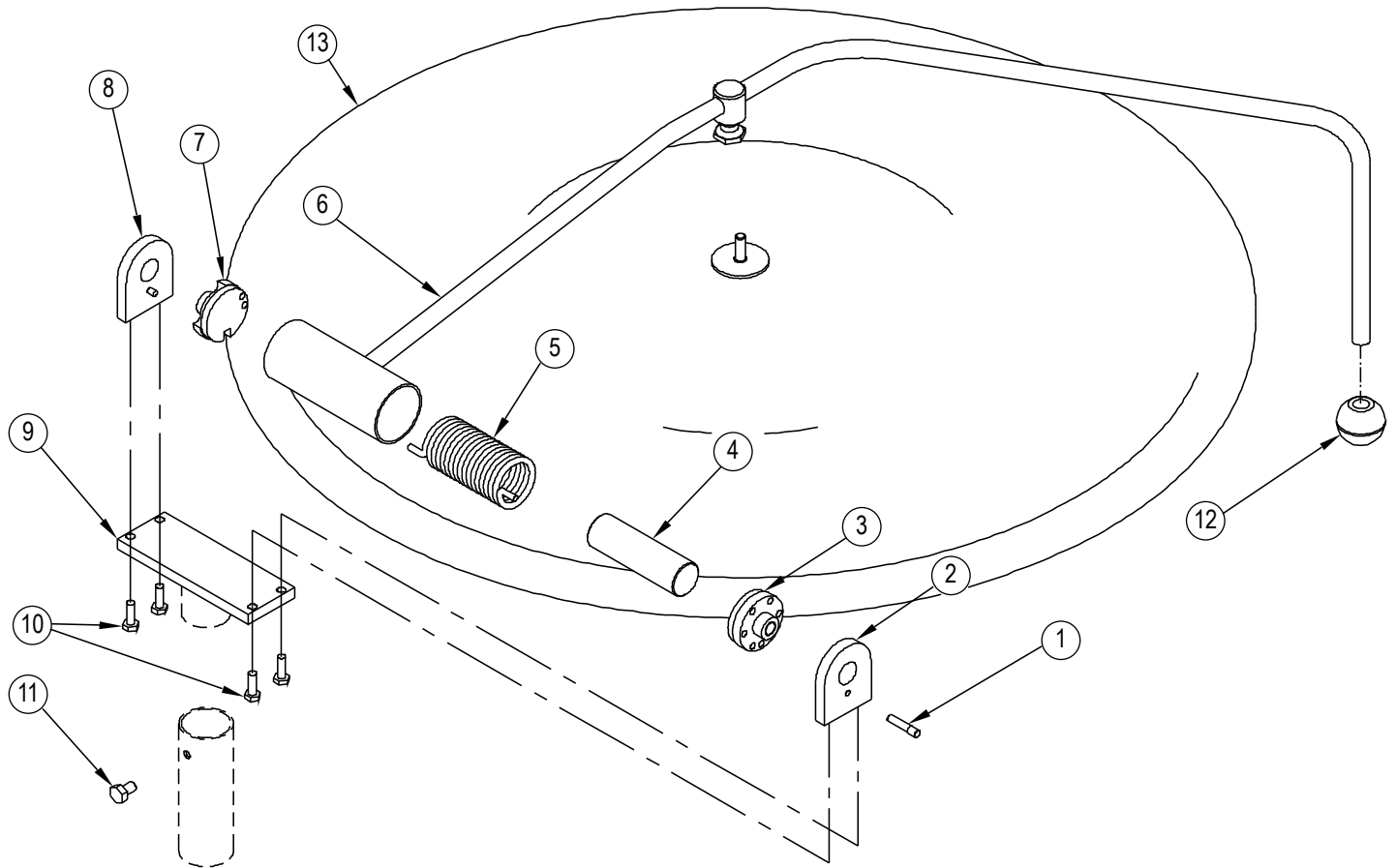
INTERIOR COMPONENTS

ITEM	PART NO.	DESCRIPTION	QTY. 20 GAL.	QTY. 30/40 GAL.	QTY. 60 GAL.
28	97-6287	Reducer Bushing, 1/2 x 3/4	1	1	1
*29	97-5358	Transformer , 220-240/120V, 200VA 50/60 Hz, (Units rated 220-240V only)	1	1	1
**30*	97-6187	Fuse Holder (220-240V, 50 Hz Units)	1	1	1
	97-6187	Fuse Holder (240V, 60 Hz Units)	2	2	2
**31*	97-7274	Fuse, 2A, 600V (220-240V, 50 Hz Units)	1	1	1
	97-7274	Fuse, 2A, 600V (240V, 60 Hz Units)	2	2	2

* NOT SHOWN.

** SELECT AS REQUIRED.

SPRING ASSIST HINGE ASSEMBLY

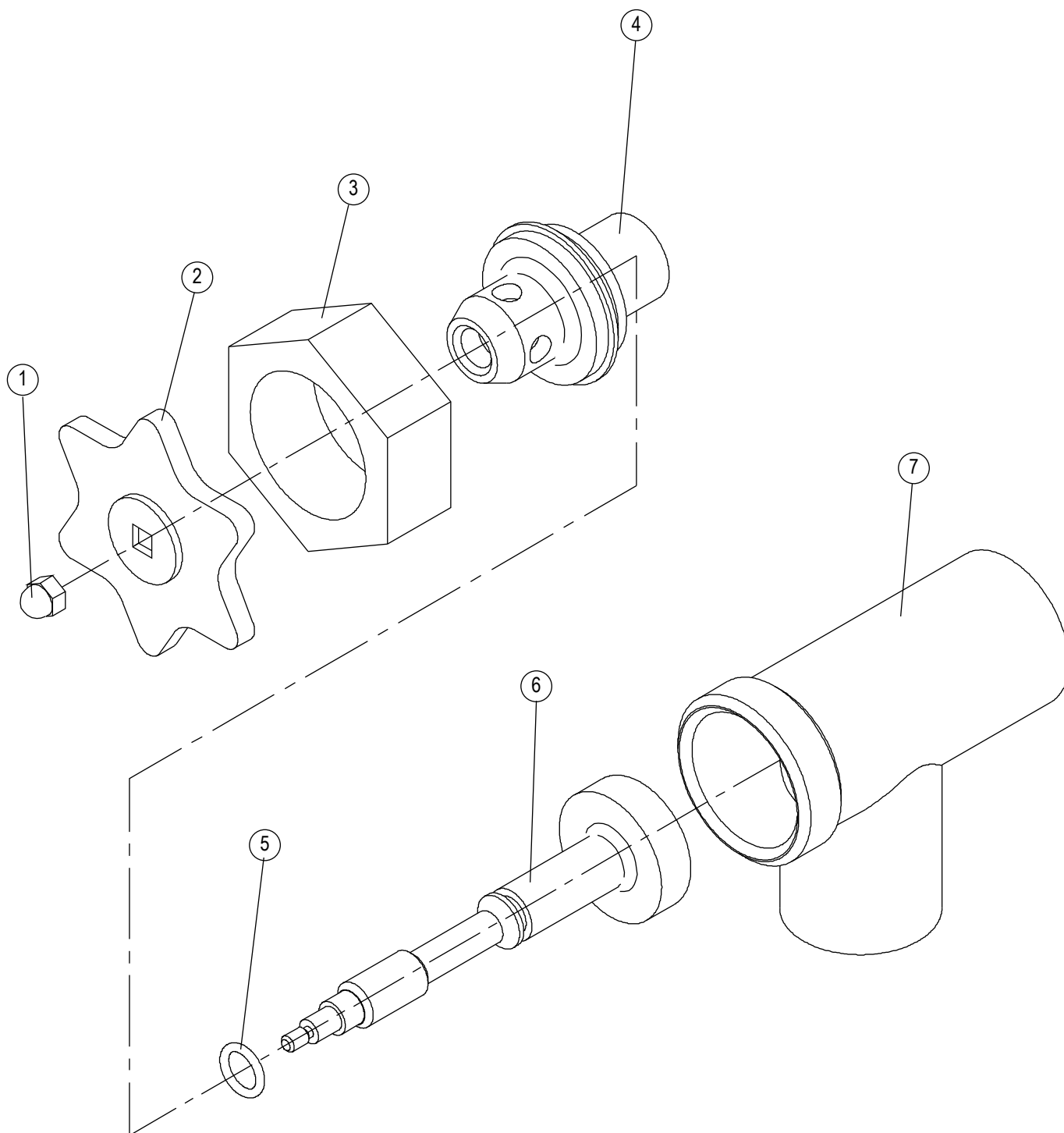


SPRING ASSIST HINGE ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
	97-5530	HINGE ASSEMBLY	1
1	97-5352	Lock Pin	1
2	97-5343	End Lock Plate	1
3	97-5344	Stationary Disc	1
4	97-5698	Core	1
5	97-5699	Spring	1
**6	97-5335	Handle Assembly (20 gallon)	1
	97-5336	Handle Assembly (30 & 40 gallon)	1
	97-5842	Handle Assembly (60 gallon)	1
7	97-5347	Rotary Disc	1
8	97-5348	End Stop Plate	1
9	1-56S6	Cap Screws, 1/4-20 x 3/4, Stainless Steel	4
10	97-5337	Knob	1
**11	97-6393	Hinge Support Riser (20, 30, 40 Gallon)	1
	97-7271	Hinge Support Riser (60 Gallon)	1
**12	97-5742	Cover, 20 Gallon Kettle	1
	97-5053	Cover, 30, 40 Gallon Kettle	1
	97-5054	Cover, 60 Gallon Kettle	1

** SELECT AS REQUIRED.

DRAW OFF VALVE



DRAW OFF VALVE

1-1/2" DRAW-OFF VALVE ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
	97-5062	1-1/2" DRAW-OFF VALVE ASSEMBLY	
1	98-6155	Acorn Nut 10-24 UNC	1
2	97-5566	Handle, Stainless Steel	1
3	97-5074	Bonnet	1
4	97-5068	Gland Nut	1
5	97-5077	"O" Ring	1
6	97-5074	Stem Assembly	1
7	97-6496	Valve Body	1

2" DRAW-OFF VALVE ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
	97-5063	2" DRAW-OFF VALVE ASSEMBLY	
1	98-6155	Acorn Nut 10-24 UNC	1
2	97-5566	Handle, Stainless Steel	1
3	97-5072	Bonnet	1
4	97-5069	Gland Nut	1
5	97-5078	"O" Ring	1
6	97-5074	Stem Assembly	1
7	97-6159	Valve Body	1

3" DRAW-OFF VALVE ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
	97-5605	3" DRAW-OFF VALVE ASSEMBLY	
1	98-6155	Acorn Nut, 7/16 - 14 UNC	1
2	97-5067	Handle, Stainless Steel	1
3	97-5073	Bonnet	1
4	97-5070	Gland Nut	1
5	97-5079	"O" Ring	1
6	97-5074	Stem Assembly	1
7	97-6497	Valve Body	1