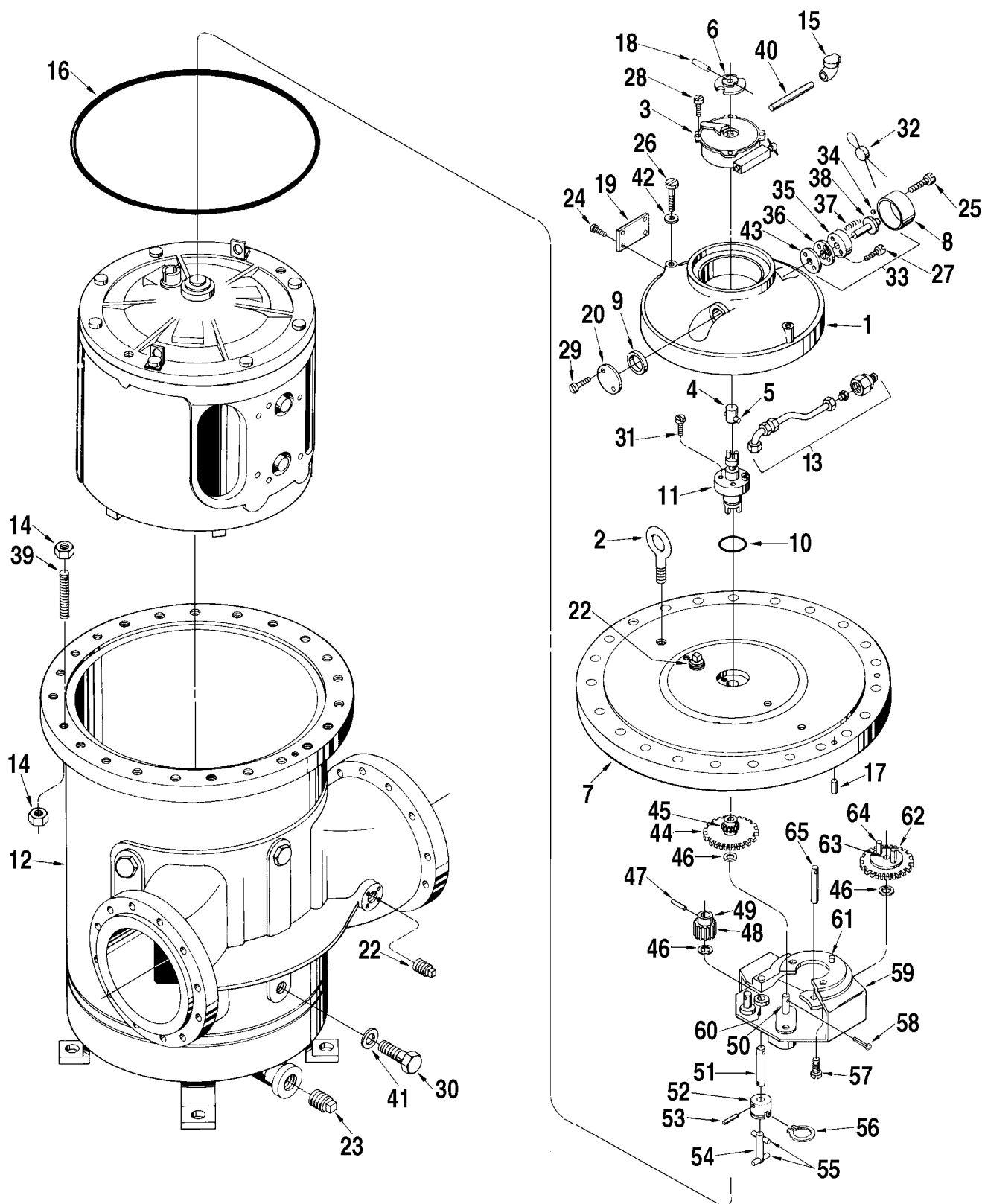
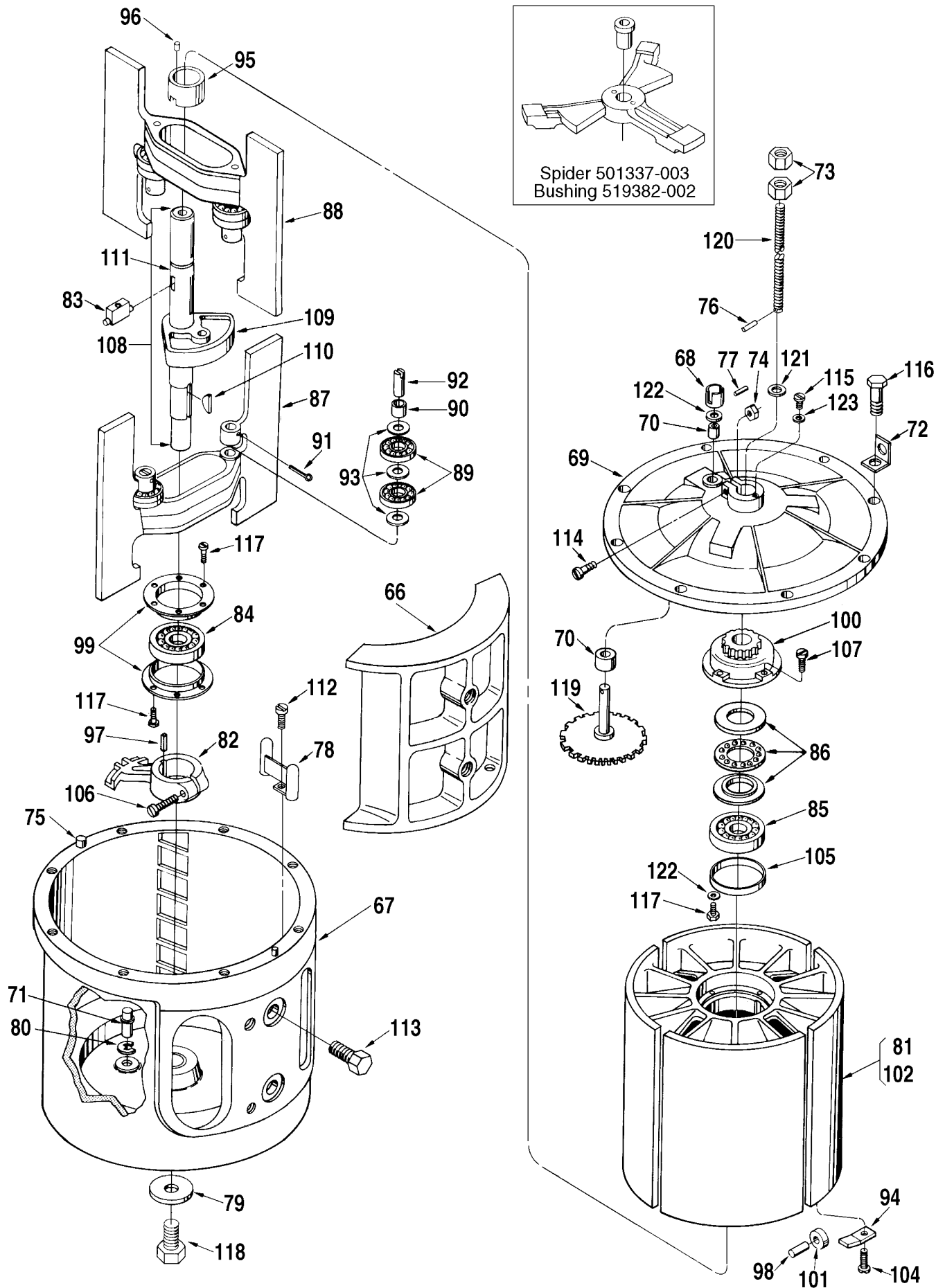




Inner Mechanism



Item		Description	Qty.	Part Number
1		Adapter:		
		Standard and ATC	1	518350-002
		ATG	1	506123-003
2		Bolt, Eye	2	065433-005
3	+	Calibrator:		
		Manual	1	512059-001
		With ATC (Standard)	1	512060-001
	@1	With ATC (Special Temperature or API)	1	516130-
		Dummy Calibrator	1	516105-001
4		Coupling Assembly:		
		Standard, Used on 3/16" Shaft	1	005969-001
		Used on Xmitters with 1/4" Shaft	1	005969-002
5		Pin	1	003540-001
6		Coupling, Drive	1	072103-001
7		Cover	1	554723-001
8		Cover, Knob	1	003553-001
9		Gasket, Cover Plate	1	003834-001
10	+	Gasket, Packing Gland	1	011337-001
11	+@2	Gland, Packing:		
		Buna-N	1	009652-003
12		Housing Assembly, Outer:		
		S3	1	554724-001
13		Lubrication Assembly	1	503554-001
14		Nut, Hex Heavy	60	642148-424
15		Oiler	1	006588-001
16	+	O-Ring, Cover:		
		Buna-N	1	516048-001
17		Pin, Locating Dowel	2	003348-001
18		Pin, Groove, 5/64 x 1/2"	1	006053-002
19		Plate, Caution	1	006571-001
20		Plate, Cover	1	003440-001
21		Plate, Lubrication	1	517715-001
22		Plug, Pipe, 1/2" NPT:		
		Standard	1	645242-402
23		Plug, Pipe:		
		Standard	1	640977-402
24		Screw, Drive	12	009880-400
25		Screw, #10-24 x 3/4"	2	006481-003
26		Screw, Adapter Cover	2	642043-432
27		Screw, Base Plate, #10-32 x 7/8"	2	640835-001
28		Screw, Calibrator Mount, #6-32 x 5/16"	2	006048-002
29		Screw, Cover Plate, #10-32 x 3/8"	2	006045-002
30		Screw Nozzle to Inner Mech	4	641068-406
31		Screw, Packing Gland 5/16-18 x 1-1/4"	3	006511-002
32	+	Seal, Lead, and Wire	2	001627-400
33		Stem Assembly, Adjusting	1	009838-001
34		Ball	2	006427-001
35		Plate, Base	1	003552-001
36		Plate, Retainer	1	003556-001
37		Spring, Knob	2	003557-001
38		Stem, Adjusting	1	003551-001
39		Stud	30	642355-407
40		Tube, Oil	1	514658-001
41		Washer	4	533104-001
42		Washer	2	002917-400
43		Adapter, Calibrator Adjusting	1	512372-001

Item		Description	Qty.	Part Number
44	@2+	Gear, Intermediate Pinion:		
		U.S Barrels, Standard and All Iron	1	518443-001
		U.S. Barrels, LPG	1	515164-001
		Imperial Gallons, Standard and All Iron	1	518436-001
		Imperial Gallons, LPG	1	518456-001
		Hectolitres, Standard and All Iron	1	514814-001
		Hectolitres, LPG	1	515171-001
45		Bushing, LPG Only	1	504653-001
46		Washer	3	641985-402
47		Pin, Groove, 1/16" x 5/8"	1	006054-002
48	@2+	Gear, Jackshaft Pinion:		
		Standard and All Iron Trim (All)	1	514806-001
		LPG (All)	1	515163-001
49		Bushing, LPG Only	1	504653-001
50		Stud, Gear Shaft	1	514370-001
51		Shaft, Jack-Upper	1	514634-002
52		Coupling, Jackshaft	1	514633-001
53		Pin, Groove, 5/64 x 5/8"	1	009593-400
54		Shaft, Link Assembly	1	515346-001
55		Pin, Grove, 1/8 x 1"	2	065217-402
56		Ring, Snap	1	512066-001
57		Screw, Gear Housing, 5/16-18 x 5/8"	2	009813-400
58		Pin, Cotter	1	009825-400
59		Housing, Gear:		
		Standard and All Iron	1	514625-001
		LPG	1	514625-002
60		Bushing:		
		Standard and All Iron	1	519882-001
		LPG	1	514835-001
61		Dowel	1	003628-001
62	@2+	Gear, Calibrator Drive:		
		U.S. Barrels, Standard and All Iron	1	513059-001
		U.S. Barrels, LPG	1	515165-001
		Imperial Gallons, Standard and All Iron	1	518440-001
		Imperial Gallons, LPG	1	518457-001
		Hectolitres, Standard and All Iron	1	514803-001
		Hectolitres, LPG	1	515172-001
63		Bushing:		
		Standard and All Iron	1	013372-001
		LPG	1	504653-001
64		Pin	2	003325-001
65		Shaft, Calibrator Drive Gear	1	51534-001

Inner Mechanism

Item		Description	Qty.	Part Number
66		Block:		
		Standard	1	513033-001
		Hi-Viscosity - For 2,000 SSU to 10,000 SSU	1	513033-041
67		Body	1	513009-001
68		Coupling, Drive	1	512064-002
69		Cover, Inner:		
		Standard and All Iron	1	516458-001
		LPG	1	516458-002
70	+	Bushing, Jackshaft:		
		Standard and All Iron	2	519882-001
		LPG	2	512796-001
71		Dowel, Locating Arm	1	512938-001

Item		Description	Qty.	Part Number
72		Lug, Lift.....	2	512002-002
73		Nut, 7/16"-20.....	2	010526-400
74		Nut, Inner Cover	1	009552-400
75		Pin, Groove, 1/4 x 1"	1	641065-401
76		Pin, Roll, 5/32 x 1"	1	010527-400
77		Pin, Roll, 1/16 x 1/2"	1	009593-400
78		Pitot.....	1	072186-001
79		Plate, Shaft Cover.....	1	512939-001
80		Ring, Retaining	1	640968-407
81		Rotor and Blade Assembly:		
		Standard.....	1	515708-001
		All Iron	1	515708-002
		LPG	1	515708-003
82		Arm, Locating	1	512923-001
83		Bar, Adjusting	1	512936-001
84	+	Bearing, Lower Rotor:		
		Standard and All Iron	1	516605-001
		LPG	1	516605-004
85	+	Bearing, Upper Rotor:		
		Standard and All Iron	1	513080-001
		LPG	1	513080-002
86	+	Bearing, Thrust:		
		Standard and All Iron	1	641093-401
		LPG	1	643140-401
87	+	Blade, Lower:		
		Standard	1	512920-001
		All Iron.....	1	515417-001
		LPG.....	1	515419-001
		Std. - Modified for 2,000 SSU to 10,000 SSU	1	512920-041
		Std. - Modified for 200°F Max.....	1	512920-042
		Std. - Modified for 2,000 SSU to 10,000 SSU and 200°F Max.....	1	512920-043
		A.I. - Modified for 2,000 SSU to 10,000 SSU	1	515417-041
88	+	Blade, Upper:		
		Standard	1	512921-001
		All Iron.....	1	515416-001
		LPG.....	1	515418-001
		Std. - Modified for 2,000 SSU to 10,000 SSU	1	512921-041
		Std. - Modified for 200°F Max.....	1	512921-042
		Std. - Modified for 2,000 SSU to 10,000 SSU and 200°F Max.....	1	512921-043
		A.I. - Modified for 2,000 SSU to 10,000 SSU	1	515416-041
89	+	Bearing, Blade:		
		Standard and All Iron:		
	@ 4	Current Design	4	644888-401
		Previous Design	4	006476-001
		LPG:		
	@ 4	Current Design	4	644412-411
		Previous Design	4	644412-404
90	@ 4	Bushing (Previous Design Bearing Only)	2	512353-001
91		Pin, Cotter, 3/32 x 1"	2	006308-001
92		Shaft, Bearing	2	500214-001
93		Spacer (Current Design Bearing Only).....	6	504272-002
94		Clamp, Rotor Cover Roller.....	8	500414-001
95		Collar, Adjusting.....	1	513093-001
96		Pin, Adjusting Collar.....	1	006683-002
97		Key, Locating Arm.....	1	513094-001
98		Pin, Rotor Cover Roller.....	4	512998-001
99		Plate, Rotor Bearing	2	513065-001
100		Plate, Rotor Gear.....	1	512924-001

Item		Description	Qty.	Part Number
101	+	Roller	4	513000-001
102		Rotor:		
		Standard	1	513003-001
		Hi-Viscosity - For 2,000 SSU to 10,000 SSU	1	513003-041
		Hi-Temperature - For 200°F Max.....	1	513003-042
		Hi-Visc./Hi-Temp. - For 2,000 SSU to 10,000 SSU & 200°F Max...	1	513003-043
103		Dowel	9	500415-001
104		Screw, Cap, 5/16-18 x 1-1/2":		
		Standard and LPG	8	002050-401
		All Iron.....	8	642043-432
105		Sleeve, Rotor.....	2	512999-001
106		Screw, Locating Arm, 5/16-24 x 1-1/4"	1	643299-401
107		Screw, Rotor Gear Plate, 5/16-18 x 1"	6	060133-002
108		Shaft and Cam Assembly	1	513066-001
109	+	Cam.....	1	512510-001
110		Key, Locating Arm	1	513064-001
111		Shaft.....	1	513061-001
112		Screw, #10-32 x 1/4"	2	006110-002
113		Screw, Cap-Block, 1/2-13 x 1-1/2"	2	006097-002
114		Screw, Cap-Inner Cover, 5/16-18 x 2"	1	006664-002
115		Screw, Inner Cover, 1/4-20 x 1/2"	1	006775-002
116		Screw, Inner Cover to Body, 3/8-16 x 1-1/4"	8	660248-402
117	@5	Screw, Lower Bearing Plate, 5/16-18 x 3/4"	12	009548-400
118		Screw, Nylock, 1/2-13 x 1-1/2"	1	641066-401
119		Shaft, Jack and Gear	1	512931-001
120		Stem, Rotor Adjusting.....	1	550857-001
121	@5	Washer	2	641838-401
122		Washer	1	643249-401
123		Washer, Shakeproof	1	006825-400

Inner Mechanism General Assemblies

Standard	513134-091
All Iron.....	513134-092
LPG.....	513134-093

+ Recommended stock.

R Indicates change since last revision.

@1 Note 1: When ordering, include temperature range, specific API Gravity, and API table used.

@2 Note 2: Only standard gearing is listed. For additional gearing combinations, see Gear Train Bulletin SS01027.

@3 Note 3: See Form No. P0605.* for components.

@4 Note 4: Use of current design bearing eliminates the need to use bushing (Item 116) which was required with the previous design bearing; however, it requires the use of a spacer (Item 119) on the side of and between the bearings.

@5 Note 5: Item 144 screw and Item 148 washer were incorporated into the meter in 1984. These items are not included in meters manufactured prior to 1984.

@6 Note 6: Replace Rotor Adjustment Lock Plate, P/N 513092-001 with the following:
Qty. 2 - Nut, P/N 010526-400 (Item 98)
Qty. 1 - Rotor Adjusting Rod, P/N 550857-001 (Item 147)
Qty. 1 - Pin, P/N 010527-400 (Item 101)

* The latest edition is indicated by a 2-digit postscript (e.g., .01, .02, etc.).

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

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