PARTS LIST

NATIONAL

TRIPLEX SLUSH PUMP

TYPE 8-P-80

(6¼" x 8½")

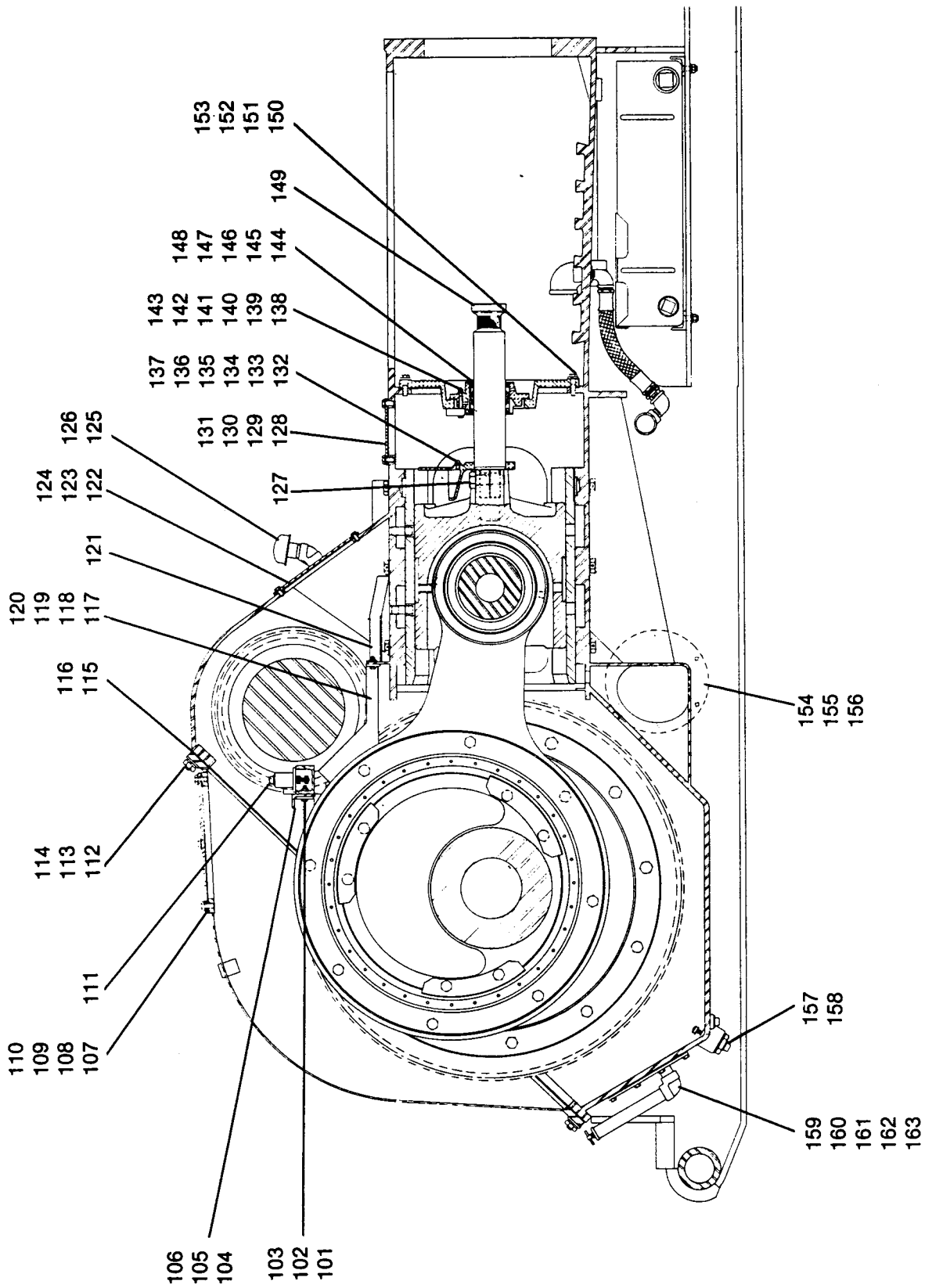
EFFECTIVE NOVEMBER, 1980

SUPERSEDES MARCH 1, 1974

NATIONAL OILWELL
P.O. BOX 4638
HOUSTON, TEXAS 77210–4638

As used herein, any references to National shall be deemed to mean National Oilwell.

LITHO. IN U.S.A.

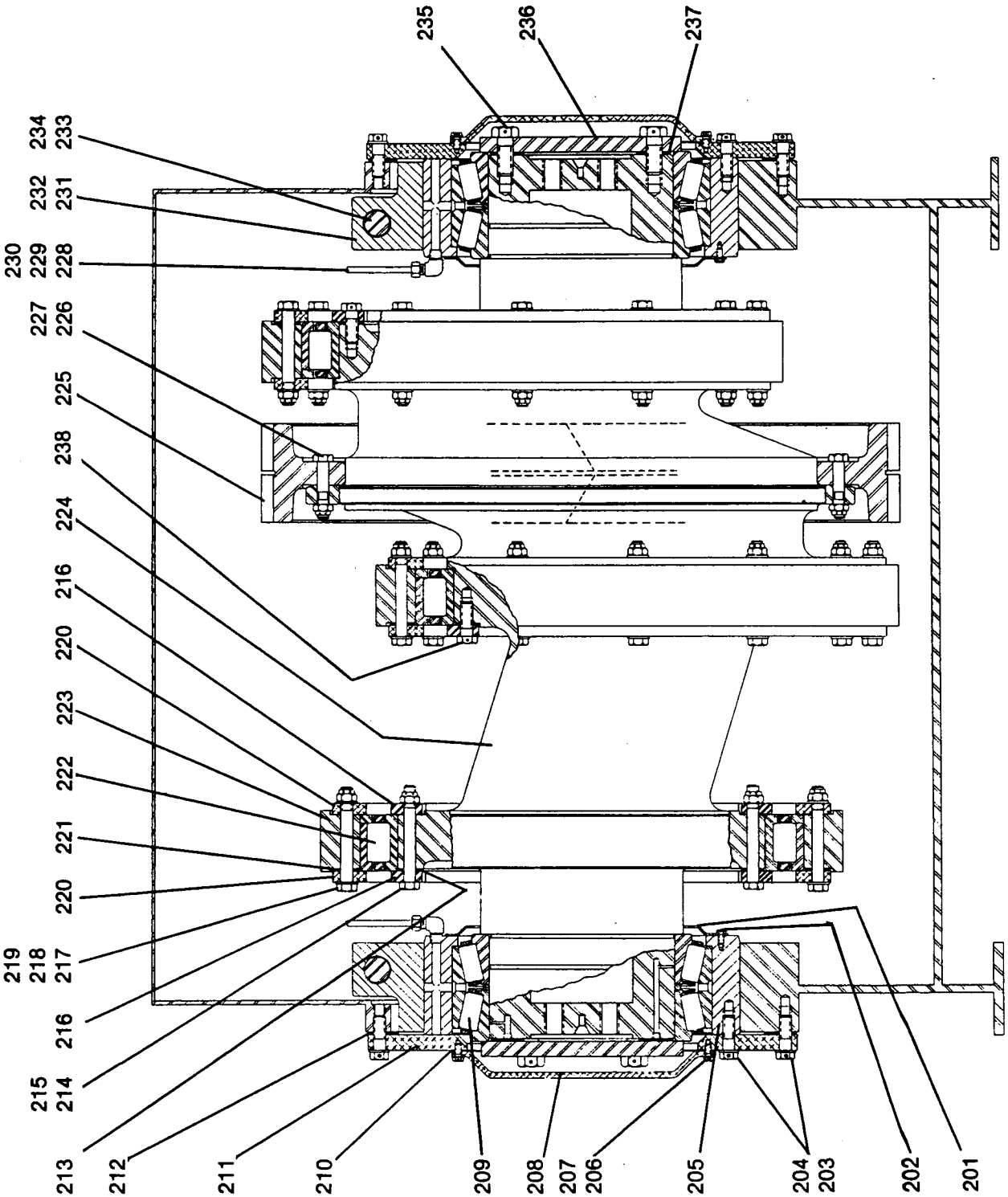


SECTION THRU POWER END

LITHO. IN U.S.A.

Item No.	Part No.	Description	No. Req'd.
101	1291072	WIPER, Gear Oil — Left Hand	1
	1291073	WIPER, Gear Oil — Right Hand	1
102	7000210-11	SCREW, 3/8" x 1-1/2" Grade 5 Cadmium Plated Hex Head Cap	4
103	6310060	NUT, Flexloc No. 20FA-616 3/8"-16UNC	4
104	1291069	BRACE, Lube Oil Trough	1
105	2400040	SCREW, 3/8" x 3/4" Drilled Hex Head Cap	8
106	1291070	TROUGH, Pinion Bearing Lube Oil — Left Hand	1
	1291071	TROUGH, Pinion Bearing Lube Oil — Right Hand	1
107	1291094	GASKET, Inspection Cover	2
108	1291093	COVER, Inspection	2
109	7000303-11	SCREW, 1/2" x 1" Grade 5 Cadmium Plated Hex Head Cap	20
110	7621032	WASHER, 1/2" N Type A 1.062" O.D. Cadmium Plated	20
111	7815057	PLUG, Lisle No. PM-313 Magnetic Drain	2
112	6300103	NUT, 5/8"-11UNC Hexagon Cadmium Plated	32
113	G-7621040	WASHER, 5/8" N Type A 1.312" O.D. Cadmium Plated	32
114	7619058	WASHER, 5/8" Regular Spring Lock Cadmium Plated	32
115	1291095	GASKET, Main Frame Cover	1
116	7817170	RUBBER, Neoprene Sponge 3/16" x 2" x 0'-24" Long	2
117	1291082	WIPER, Gear and Pinion Oil — Left Hand	1
	1291174	WIPER, Gear and Pinion Oil — Right Hand	1
118	6310060	NUT, Flexloc No. 20FA-616 3/8"-16UNC	4
119	7000209-11	SCREW, 3/8" x 1-1/4" Grade 5 Cadmium Plated Hex Head Cap	4
120	7621024	WASHER, 3/8" N Type A 0.812" O.D., Cadmium Plated	4
121	1291179	TROUGH, Crosshead Lube Oil — Left Hand	1
122	1290077	COVER, Wrench Hole — Left and Right Hand Side	2
123	1290078	GASKET, Wrench Hole Cover	3
124	7000208-11	SCREW, 3/8" x 1" Grade 5 Cadmium Plated Hex Head Cap	24
125	1290110	COVER, Wrench Hole — Center	1
126	7802020	CAP, Donaldson No. S-183 Breather	1
127	7000526-10F	SCREW, 1"-12UNF-3A x 3" Grade 5 Cadmium Plated Hex Head Cap	6
128	1291075	COVER, Top Crosshead Access	3
129	1291076	GASKET, Top Crosshead Access Cover	3
130	7000303-11	SCREW, 1/2" x 1" Grade 5 Cadmium Plated Hex Head Cap	18
131	7621032	WASHER, 1/2" N Type A 1.062" O.D. Cadmium Plated	18
132	1290251	SCREW, Oil Passage	3
133	1291226	SHIELD, Intermediate Rod Oil	3
134	6320060	NUT, 3/8" Hexagon Jam	3
135	6310040	NUT, 1/4"-20UNC Flexloc No. 20FA-420	6
136	7000114-11	SCREW, 1/4" x 2-1/2" Grade 5 Cadmium Plated Hex Head Cap	6
137	7621016	WASHER, 1/4" N Type A 0.625" O.D., Cadmium Plated	12
138	1291074	BOLT, Wiper Retainer Hook	9
139	1291009	RETAINER, Intermediate Rod Oil Wiper	3
140	1291227	GASKET, Intermediate Rod Oil Wiper Retainer	3
141	6541612	PIN, 1/4" x 1-1/2" ANSI Type C Grooved	9
142	7805052	FITTING, 1/8" Alemite No. 1610-B	3
143	7805062	FITTING, 1/8" x 45° Alemite No. 43716	3
144	1291182	WIPER, Intermediate Rod Oil	12
145	G-1291320	PLATE, Oil Wiper Retaining	6
146	1291141	SPACER, Oil Wiper	6
147	G-7061091-17	SCREW, No. 10-24 x 5/8" Zinc Plated Hex Head Machine	18
148	7619025	WASHER, No. 10 Cadmium Plated Regular Spring Lock	18
149	1291083	ROD, Intermediate	3
150	1291023	PLATE, Intermediate Rod Oil Wiper Retainer	3
151	1291079	GASKET, Oil Wiper Retainer Plate	3
152	7621032	WASHER, 1/2" N Type A 1.062" O.D. Cadmium Plated	12
153	7000307-11	SCREW, 1/2" x 2" Grade 5 Cadmium Plated Hex Head Cap	12
154	1283190	PLATE, Clean-Out	2
155	1283191	GASKET, Clean-Out Plate	2
156	7000304-11	SCREW, 1/2" x 1-1/4" Grade 5 Cadmium Plated Hex Head Cap	12
157	7815057	PLUG, Lisle No. PM-313 Magnetic Drain	1
158	6800163	BUSHING, 2" x 1" Standard C.I. Hex	1
159	1284106	GASKET, Oil Gage Plate	1
160	1291130	PLATE COMPLETE, Oil Gage	1
161	2400029	DIPSTICK, Oil Level	1
162	7000208-11	SCREW, 3/8" x 1" Grade 5 Cadmium Plated Hex Head Cap	12
163	7618014	WASHER, Parker No. 600-0101 3/8" Stat-O-Seal	12

LITHO. IN U.S.A.



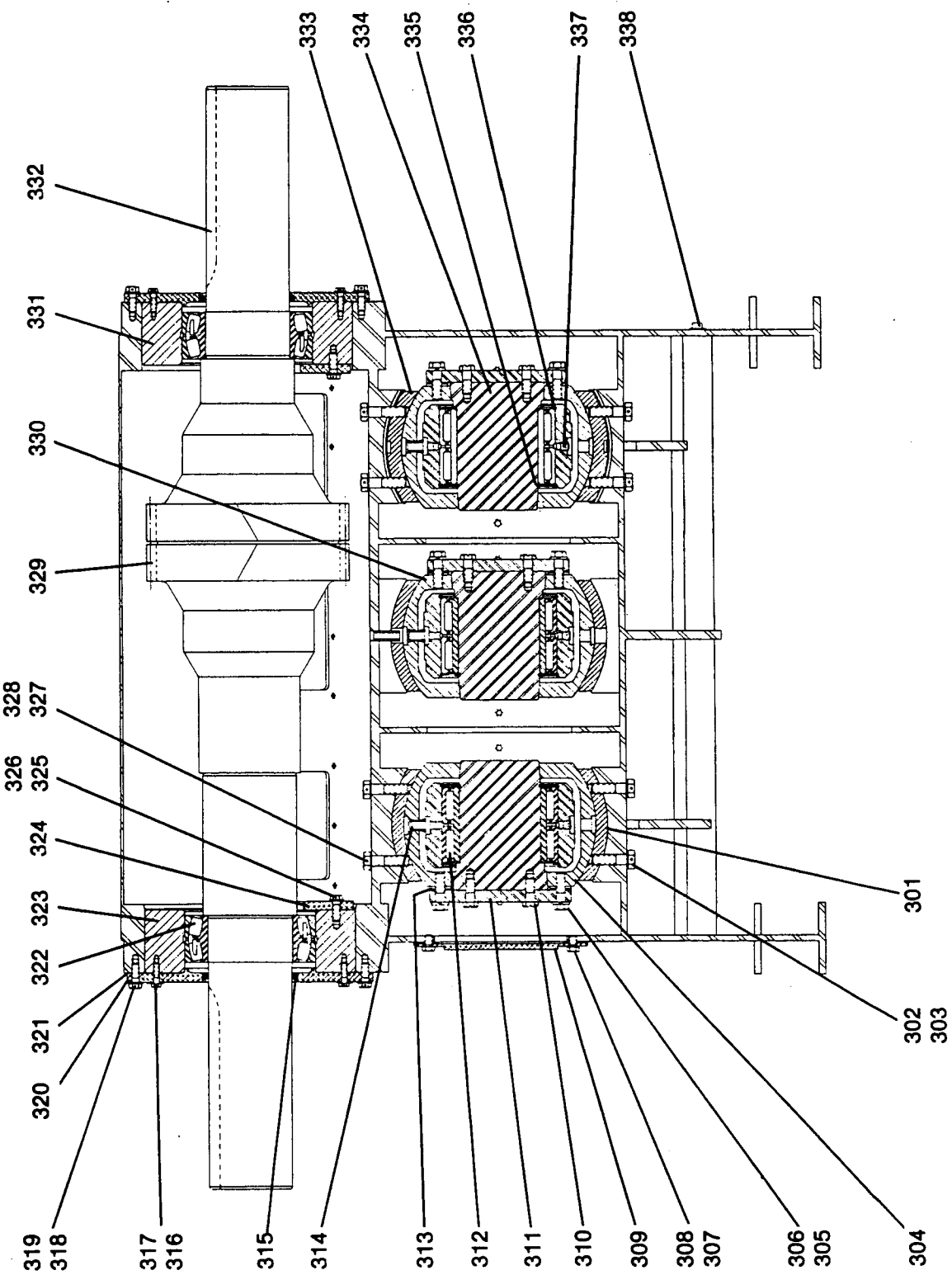
SECTION THRU CRANKSHAFT

LITHO. IN U.S.A.

Item No.	Part No.	Description	No. Req'd.
201	1291081	RETAINER, Main Bearing Cage Oil	2
202	5506202	BOLT, 3/8" x 3/4" Place	16
203	2401310	SCREW, 3/4" x 2-1/4" Drilled Hex Head Cap	48
204	7621044	WASHER, 3/4" N Type A 1.469" O.D. Cadmium Plated	48
205	1291011	CAGE, Main Bearing	2
206	2400040	SCREW, 3/8" x 3/4" Drilled Hex Head Cap	24
207	7621024	WASHER, 3/8" N Type A 0.812" O.D. Cadmium Plated	24
208	1291012	CAP, Main Bearing End	2
209	ZT-11812	BEARING, Main Roller	2
210	1291096	GASKET, Main Bearing End Cap	2
211	1291021	RING, Main Bearing Lock	2
212	1291104	SHIM, .020" Main Bearing Lock Ring (Yellow)	8
	1291105	SHIM, .0075" Main Bearing Lock Ring (Clear)	8
	1291106	SHIM, .005" Main Bearing Lock Ring (Blue)	14
	G-1291319	SHIM, 1/8" Main Bearing Lock Ring (Steel)	2
213	1291100	SHIM, .020" Conn. Rod Bearing Retainer Plate (Yellow)	9
	1291101	SHIM, .0075" Conn. Rod Bearing Retainer Plate (Clear)	18
	1291102	SHIM, .005" Conn. Rod Bearing Retainer Plate (Blue)	27
214	7000457-11	SCREW, 3/4" x 6-1/4" Grade 5 Cadmium Plated Hex Head Cap	36
215	6310120	NUT, 3/4"-10UNC Flexloc No. 31FA-1210	36
216	1291026	PLATE, Conn. Rod Bearing — Outer	12
217	7600044	WASHER, 3/4" N Type A 1.469" O.D.	72
218	7000457-11	SCREW, 3/4" x 6-1/4" Grade 5 Cadmium Plated Hex Head Cap	6
219	6310120	NUT, 3/4"-10UNC Flexloc No. 31FA-1210	6
220	1291016	RETAINER, Conn. Rod Bearing — Outer	6
221	1291107	SHIM, .020" Conn. Rod Bearing Retainer — Outer (Yellow)	3
	1291108	SHIM, .0075" Conn. Rod Bearing Retainer — Outer (Clear)	9
	1291109	SHIM, .005" Conn. Rod Bearing Retainer — Outer (Blue)	9
222	ZB-23500	BEARING, Connecting Rod Roller	3
223	1291007	ROD, Connecting	3
224	1291005	CRANKSHAFT	1
225	1291008	GEAR, Crankshaft	1
226	1291006	BOLT, Crankshaft Gear	12
227	6310120	NUT, 3/4" Flexloc No. 31FA-1210	12
228	G-7804202	ELBOW, 45° Male Weatherhead No. 7355 x 8	2
229	7804146	ELBOW, 90° Male Weatherhead No. 7405 x 8	2
230	7400842	TUBING, 1/2" O.D. x 3/8" I.D. x 20" Long Cold Drawn Seamless Steel	2
*231	1291014	SPACER, Main Bearing Support	2
232	1283147	SHIM, .005" Main Bearing Support (Steel Shim Stock)	4
	1283148	SHIM, .007" Main Bearing Support (Steel Shim Stock)	2
233	1291024	BOLT, Main Bearing Support	2
234	6310280	NUT, 1-3/4"-8UN Flexloc No. 30FO-2808	2
235	2405003	SCREW, 1" x 2-1/2" Drilled Hex Head Cap	8
236	1291022	PLATE, Main Bearing Retainer	2
237	1291152	SHIM, 1/16" Main Bearing Retainer (Steel)	6
	1291153	SHIM, .020" Main Bearing Retainer (Steel)	4
	1291154	SHIM, .005" Main Bearing Retainer (Steel)	8
238	2401310	SCREW, 3/4" x 2-1/4" Drilled Hex Head Cap	12

*Item 231 Not Considered Replacement Item. (Machined With Frame.)

LITHO. IN U.S.A.

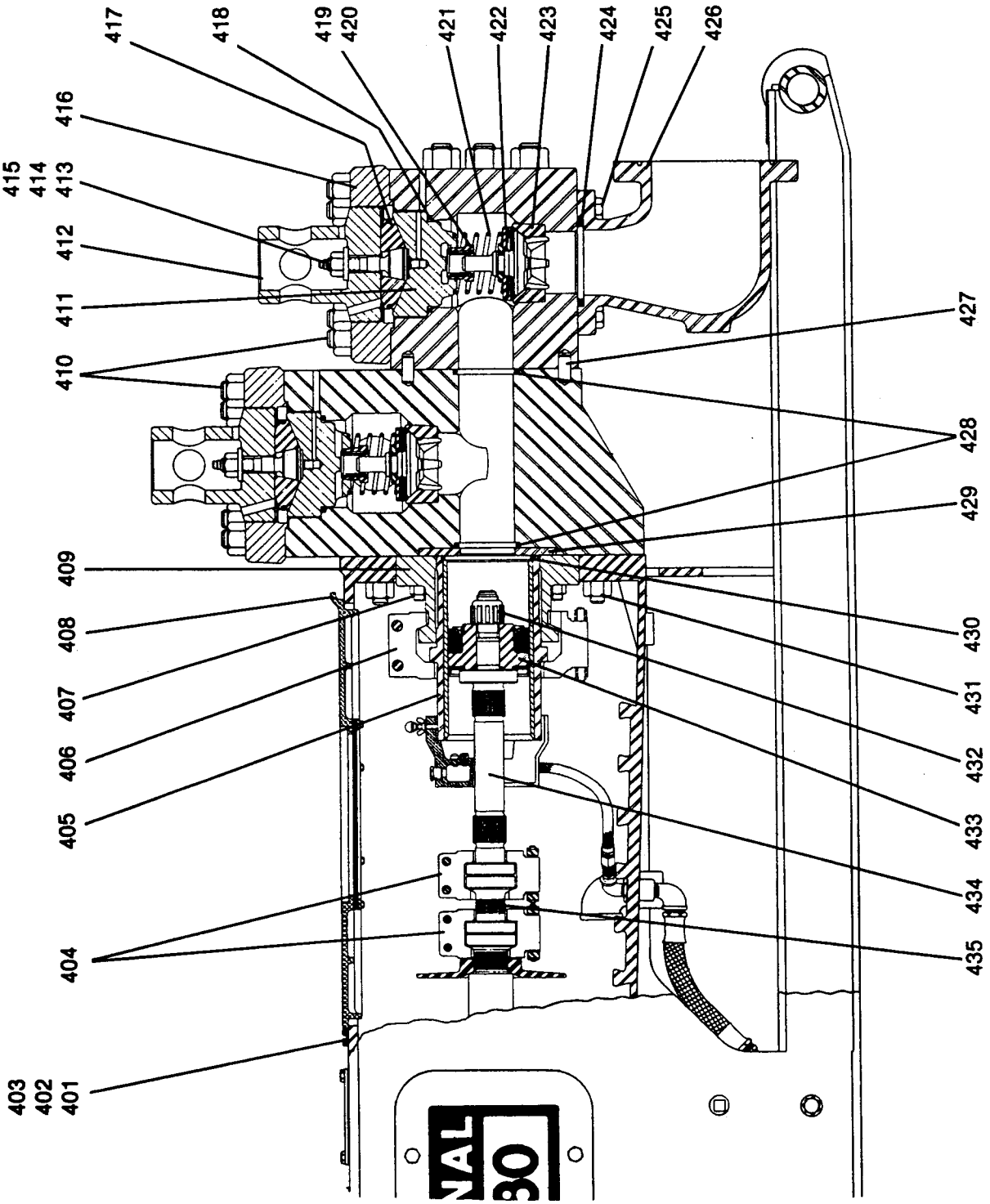


SECTION THRU PINION AND CROSSHEADS

LITHO. IN U.S.A.

Item No.	Part No.	Description	No. Req'd.
301	1291103	SHIM, .005" Crosshead Liner (Steel)	15
302	2402820	SCREW, 7/8" x 3" Hex Head Cap	18
303	7618026	WASHER, Parker No. 600-0101-7/8" Stat-O-Seal	18
304	1291090	CROSSHEAD, Left Hand	1
305	7000443-11	SCREW, 3/4" x 2-3/4" Grade 5 Cadmium Plated Hex Head Cap	6
306	7611036	WASHER, 3/4" Light Series Locomotive Hi-Chrome Spring	6
307	7000393-11	SCREW, 5/8" x 1" Grade 5 Cadmium Plated Hex Head Cap	8
308	7618022	WASHER, Parker No. 600-0101-5/8" Stat-O-Seal	8
309	1291113	COVER COMPLETE, Crosshead Hand Hole	2
310	5506710	BOLT, 3/4" x 2" Place	6
311	1291112	RETAINER, Crosshead Pin	3
312	ZB-6751	BEARING, Crosshead Pin	3
313	1291114	SHIM, Crosshead Pin Retainer (Laminated)	6
314	1291089	CONDUCTOR, Oil	3
315	YS-7005	SEAL, Pinion Bearing Oil	2
316	2400051	SCREW, 1/2" x 1-3/4" Hex Head Cap	16
317	7621032	WASHER, 1/2" N Type A 1.062" O.D. Cadmium Plated	8
318	2400930	SCREW, 5/8" x 1-3/4" Hex Head Cap	16
319	G-7621040	WASHER, 5/8" N Type A 1.312" O.D. Cadmium Plated	16
320	1291020	RETAINER, Pinion Bearing And Oil Seal	2
321	1291097	GASKET, Pinion Bearing Retainer	2
322	ZB-7081	BEARING, Pinion	2
323	1291119	CAGE, Left Hand Pinion Bearing	1
324	1291027	PLATE, Pinion Bearing Cage	2
325	2400930	SCREW, 5/8" x 1-3/4" Hex Head Cap	8
326	G-7621040	WASHER, 5/8" N Type A 1.312" O.D. Cadmium Plated	8
327	2405007	SCREW, 7/8" x 3-1/4" Hex Head Cap	18
328	7618026	WASHER, Parker No. 600-0101-7/8" Stat-O-Seal	18
329	1291010	PINION (41 Teeth)	1
330	1291015	CROSSHEAD, Right Hand and Center	2
331	1291019	CAGE, Right Hand Pinion Bearing	1
332	2404068	KEY, 1-1/2" x 2-3/4" x 12" Long	1
333	1291017	LINER, Crosshead	6
334	1291028	PIN, Crosshead	3
335	6912018	RING, Eaton No. XAN-675 External Snap	3
336	1285109	RING, Crosshead Pin Bearing Snap	6
337	6875003	PLUG, 3/8" Standard Countersunk Pipe	3
338	6873008	PLUG, 1" Standard Cored Square Head	1

LITHO. IN U.S.A.

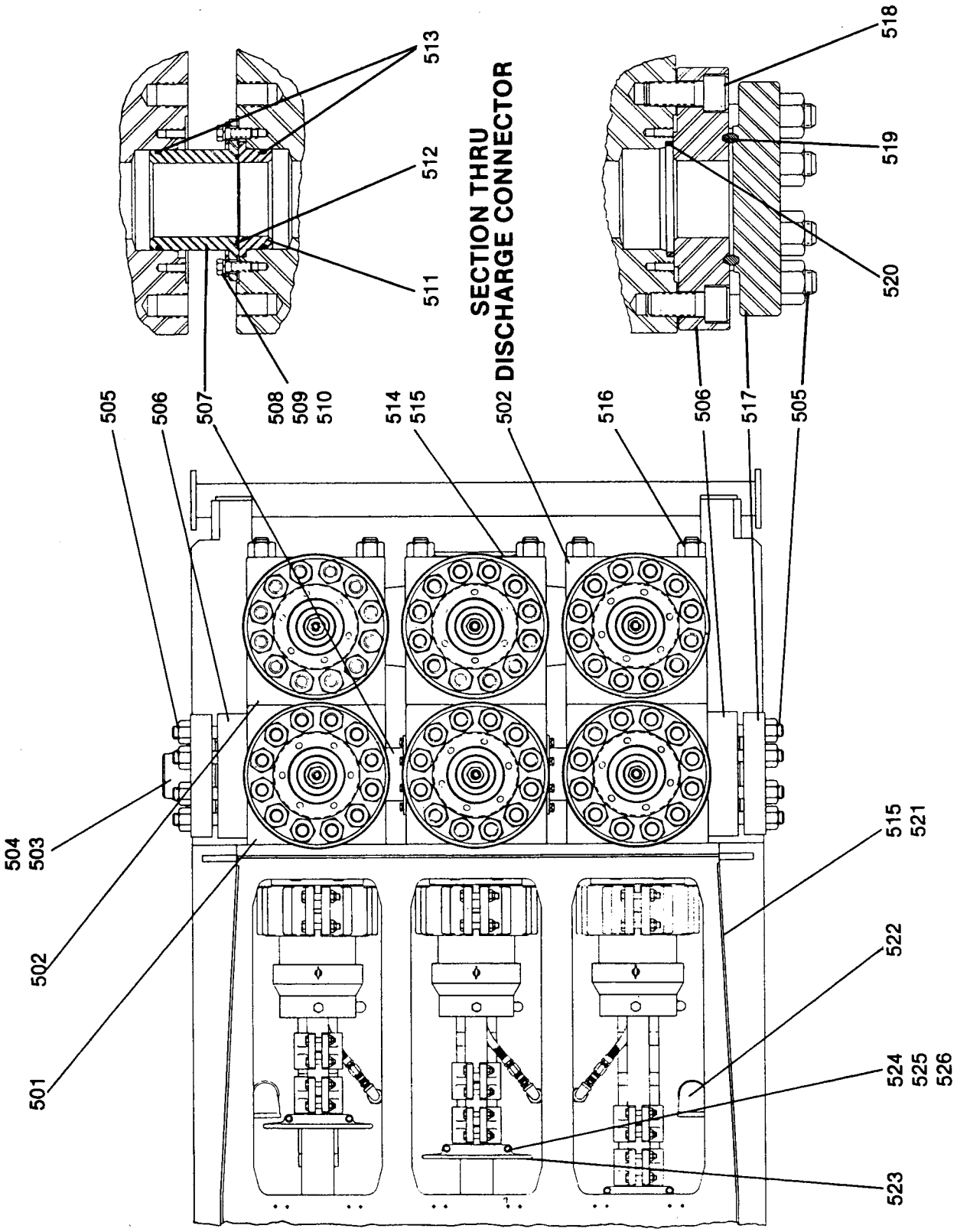


SECTION THRU ROD CHAMBER AND CYLINDER

LITHO. IN U.S.A.

Item No.	Part No.	Description	No. Req'd.
401	7621016	WASHER, 1/4" N Type A 0.625" O.D. Cadmium Plated	12
402	6310040	NUT, 1/4"-20UNC Flexloc No. 20FA-420	12
403	7000110-11	SCREW, 1/4" x 1-1/2" Grade 5 Cadmium Plated Hex Head Cap	12
404	1291085	CLAMP COMPLETE, Rod	6
		Composed of:	
		1—1291086 CLAMP ONLY, Rod	
		2—1291087-P CONNECTOR, Rod Clamp	
		2—1291088 PIN, Rod Clamp	
		2—6309080 NUT, 1/2" MacLean-Fogg No. 22TWA1213 Two-Way Lock	
		4—6571014 PIN, 5/32" x 7/8" Standard Spring	
		2—7000311-11 SCREW, 1/2" x 2-3/4" Grade 5 Cad. Plated Hex Head Cap	
405	See Page 26	LINER, Bi-Metal	3
406	1291166	CLAMP COMPLETE, Liner	3
		Composed of:	
		1—1291167 CLAMP ONLY, Liner	
		2—1291168-P CONNECTOR, Liner Clamp	
		2—1291169 PIN, Liner Clamp	
		2—6309100 NUT, 5/8" MacLean-Fogg No. 22TWA5811 Two-Way Lock	
		4—6571014 PIN, 5/32" x 7/8" Standard Spring	
		2—7000403-11 SCREW, 5/8" x 3-1/2", Grade 5, Cad. Plated Hex Head Cap	
407	2408025	STUD, 3/4" x 5" Top Taper Lock	18
	6300120	NUT, 3/4" Hex	18
408	1291133	COVER COMPLETE, Rod Chamber	3
		Composed of:	
		2—1290148 HINGE, Cover	
		1—1291143 COVER ONLY, Rod Chamber	
		2—1291272 PLATE, Long Retaining	
		2—1291273 PLATE, Short Retaining	
		8—7000108-30 SCREW, 1/4" x 1" Stainless Steel Hex Head Cap	
		6—7041102 SCREW, 1/4" x 3/8" 100° Flat Head Machine	
		1—7818023 SHEET, 3/4" No. .081" Standard Expanded Aluminum 8-3/8" x 14-3/8" Long	
409	1291165	BUSHING, Liner	3
410	2408019	STUD, 1-3/8" x 7-1/4" Top Taper Lock	72
	6300220	NUT, 1-3/8" Heavy Hex	72
411	1290174	RETAINER, Seal	6
412	1290307	COVER, "Fast Change" Valve	6
413	1290178	SCREW, Wedge Adjusting	6
414	6300160	NUT, 1" Heavy Hex	6
415	1290315	WASHER, Wedge Adjusting Screw	6
416	1290308	RING, Threaded	6
417	G-1290376	WEDGE COMPLETE, Plug Locking	6
		Composed of:	
		6—G-1290179-P CASTINGS, Wedge Investment	
		1—1290181 SPRING, Wedge Retaining	
418	1540126	SEAL, Valve Cover	6
419	1292140	HOLDER, Valve Guide Insert	6
420	1292141	INSERT, Valve Guide	6
421	1560701	SPRING, Valve	6
422	See Page 26	VALVE, "G-2" Polyurethane	6
	See Page 26	VALVE, "G-2" Hycar	6
423	1561450	SEAT, Valve	6
424	1590051	SEAL, Suction Manifold	3
425	7000482-10	SCREW, 7/8" x 2-1/4" Grade 5 Hex Head Cap	24
426	1291369	MANIFOLD, Front Inlet Suction	1
or	1291370	MANIFOLD-DAMPENER COMPLETE, Double Side Inlet	1
		Composed of:	
		1—1291371 MANIFOLD-DAMPENER ONLY	
		1—5902449 FLANGE, 8" ASA-150 lb. Blind RJ	
		1—6817124 NIPPLE, 2" x 5-1/2" Standard Pipe	
		2—6874016 PLUG, 2" Standard Solid Square Head	
		1—6888016 TEE, 2" Standard M.I. Pipe	
		1—6908041 RING, R48-D Oval Joint	
		8—7000445-11 SCREW, 3/4" x 3-1/4" Grade 5 Cad. Plated Hex Head Cap	
		Items 1101-1115 as illustrated on page 22 are also included.	
427	6511416	PIN, 7/8" x 2" Standard Dowel	6
428	1290344	SEAL, Module	6
429	1290357	PLATE, Wear	3
430	See Page 26	PACKING, Liner	3
431	2408026	STUD, 1-1/8" x 5-3/4" Top Taper Lock	24
	6300180	NUT, 1-1/8" Heavy Hex	24
432	6308241	NUT, 1-1/2"-8UN-3B ESNA No. X59-1781-2408	3
433	See Page 26	PISTON, Polyurethane	3
	See Page 26	PISTON, Blue Stripe	3
434	1291277	ROD, Piston with 1-1/2" Elastic Stop Nut X59-1781-2408	3
435	1291276	SUBROD, Piston	3

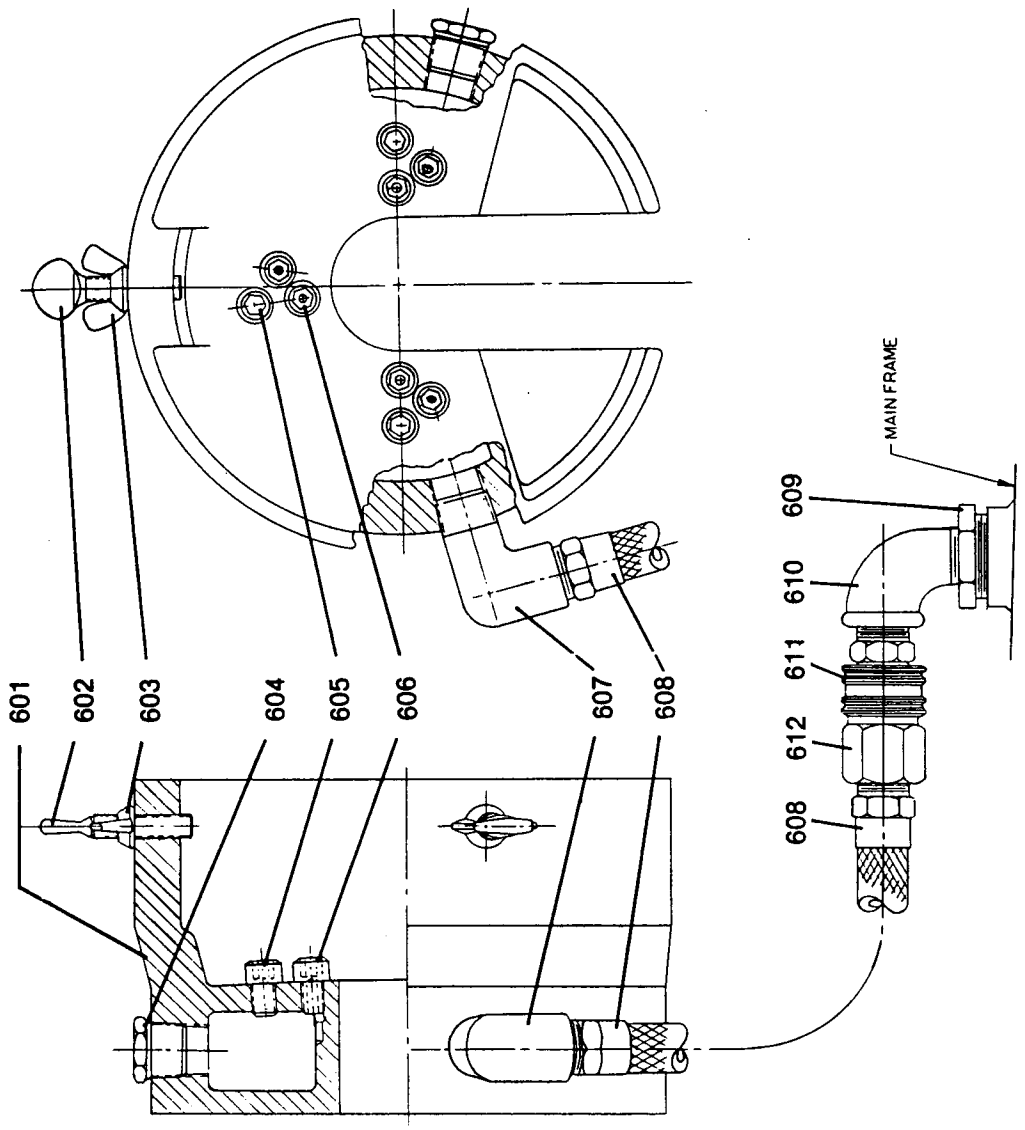
LITHO. IN U.S.A.


SECTION THRU DISCHARGE CONNECTOR
SECTION THRU DISCHARGE OUTLET
TOP VIEW OF ROD CHAMBERS AND CYLINDERS
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526

LITHO. IN U.S.A.

Item No.	Part No.	Description	No. Req'd.
501	1291280	MODULE STUDDED, Discharge Composed of: 1—1291281 MODULE ONLY, Discharge 12—2408019 STUD, 1-3/8" x 7-1/4" 12—6300220 NUT, 1-3/8" Heavy Hex 6—2408034 STUD, 1-1/2" x 19-1/8" 6—6300241 NUT, 1-1/2"-8UN-3A Heavy Hex 6—2408025 STUD, 3/4" x 5" 6—6300120 NUT, 3/4" Hex 8—2408026 STUD, 1-1/8" x 5-3/4" 8—6300180 NUT, 1-1/8" Heavy Hex	3
502	1291283	MODULE STUDDED, Suction Composed of: 1—1291284 MODULE ONLY, Suction 12—2408019 STUD, 1-3/8" x 7-1/4" 12—6300220 NUT, 1-3/8" Heavy Hex	3
503	5912370	FLANGE, Weld Neck Ring Joing 4" API-5000 lbs. w/3.152" Bore	1
504	6908033	RING, R39-D Oval Joint	1
505	2402560	STUD, 1-1/4" x 6-1/4"	16
	6300200	NUT, 1-1/4" Heavy Hex	16
506	1291286	SPACER STUDDED, Discharge Composed of: 1—1291287 SPACER ONLY, Discharge 8—2402560 STUD, 1-1/4" x 6-1/4" 8—6300200 NUT, 1-1/4" Heavy Hex	2
507	1290342	CONNECTOR, Discharge	2
508	1290175	RING, Back-Up	4
509	7000305-11	SCREW, 1/2" x 1-1/2" Grade 5 Cadmium Plated Hex Head Cap	16
510	7619050	WASHER, 1/2" Cadmium Plated Regular Spring Lock	16
511	1290343	ADAPTER, Discharge Connector	2
512	2410031-348	PACKING, Rectangular	2
513	2410031-427	PACKING, Rectangular	4
514	2407142	PLATE, Valve Cover Instruction	1
515	7178025	SCREW, No. 2 x 1/4" Type U Round Head Drive	8
516	2408034	STUD, 1-1/2" x 19-1/8"	18
	6300241	NUT, 1-1/2"-8UN-3A Heavy Hex	18
517	5912373	FLANGE, 4" API-5000 lbs. Blind Ring Joint	1
518	7006607	SCREW, 1-1/4" x 3-1/4" Hex Socket Head Cap	16
519	6908033	RING, R39-D Oval Joint	1
520	1290345	SEAL, Discharge Spacer	2
521	G-2407274	PLATE, Warning	1
522	6829016	ELBOW, 90° x 2" Standard M.I. Street	2
523	1291194	BAFFLE, Intermediate Rod	6
524	7000122-11	SCREW, 1/4" x 4-1/2" Grade 5 Cadmium Plated Hex Head Cap	6
525	6300041	NUT, 1/4" Cadmium Plated Hex	6
526	7621016	WASHER, 1/4" N Type A 0.625" O.D. Cadmium Plated	12

LITHO. IN U.S.A.



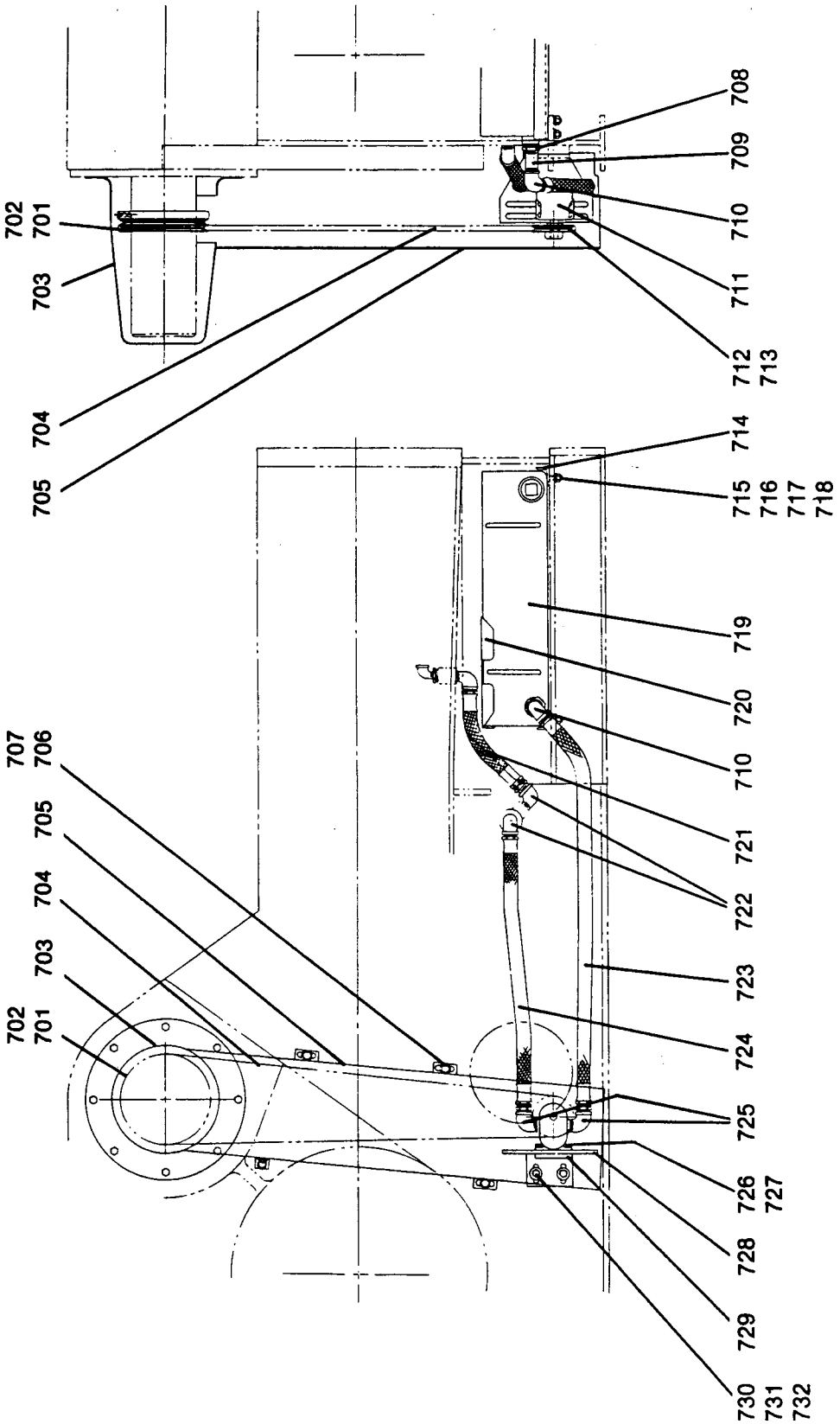
600 PISTON-LINER SPRAY MANIFOLD

LITHO. IN U.S.A.

Item No.	Part No.	Description	No. Req'd.
600	1291190	MANIFOLD COMPLETE, Piston-Liner Spray	3
		Composed of:	
		1—G-2400075 HOSE ASSEMBLY, 1/2" x 16-1/2" Long	
		1—G-1291191 MANIFOLD ONLY, Piston-Liner Spray	
		6 —1291193 NOZZLE, Spray	
		1—6800083 BUSHING, 1" x 1/2" Standard M.I. Hex	
		1—6829004 ELBOW, 90° x 1/2" Standard M.I. Street	
		3—7006204-30 SCREW, 3/8" x 1/2" Stainless Steel Hex Socket Head Cap	
		1—7804075 ELBOW, 90° x 1/2" 150 lb. 316 Stainless Steel Street	
		3—7813050 NUT, 3/8" -16 18-8 Stainless Steel Wing	
		1—7815094 PLUG, 1/2" Male Pipe Thread Hansen No. B4-T25	
		2—7815099 PLUG, 1/2" 150 lb. 316 Stainless Steel Hex Head Pipe	
		3—G-7818256 SCREW, 3/8"-16 x 1-3/4" 18-8 Stainless Steel Thumb	
		1—7818282 SOCKET, 1/2" Female Pipe Thread Hansen No. 4-S26	
*	1291244	REPLACEMENT MANIFOLD, Piston-Liner Spray (Service Item Only)	
		Composed of:	
		1—1291190 MANIFOLD COMPLETE, Piston-Liner Spray	
		Less Following Items:	
		1—G-2400075 HOSE ASSEMBLY, 1/2" x 16-1/2" Long	
		1—6800083 BUSHING, 1" x 1/2" Standard M.I. Hex	
		1—6829004 ELBOW, 90° x 1/2" Standard M.I. Street	
		1—7815094 PLUG, 1/2" MPT Hansen No. B4-T25	
		1—7818282 SOCKET, 1/2" FPT Hansen No. 4-S26	
601	G-1291191	MANIFOLD ONLY, Spray	3
602	G-7818256	SCREW, 3/8"-16 x 1-3/4" 18-8 Stainless Steel Thumb	9
603	7813050	NUT, 3/8"-16 18-8 Stainless Steel Wing	9
604	7815099	PLUG, 1/2" 150 lb. 316 Stainless Steel Hex Head Cap	6
605	7006204-30	SCREW, 3/8" x 1/2" Stainless Steel Hex Socket Head Cap	9
606	1291193	NOZZLE, Spray	18
607	7804075	ELBOW, 90° x 1/2"-150 lbs. 316 Stainless Steel Street	3
608	G-2400075	HOSE ASSEMBLY, 1/2" x 16-1/2" Long	3
609	6800083	BUSHING, 1" x 1/2" Standard M.I. Hex	3
610	6829004	ELBOW, 90° x 1/2" Standard M.I. Street	3
611	7815094	PLUG, 1/2" Hansen No. B4-T25 Male Pipe Thread	3
612	7818282	SOCKET, 1/2" Hansen No. 4-S26 Female Pipe Thread	3

*Not Illustrated

LITHO. IN U.S.A.

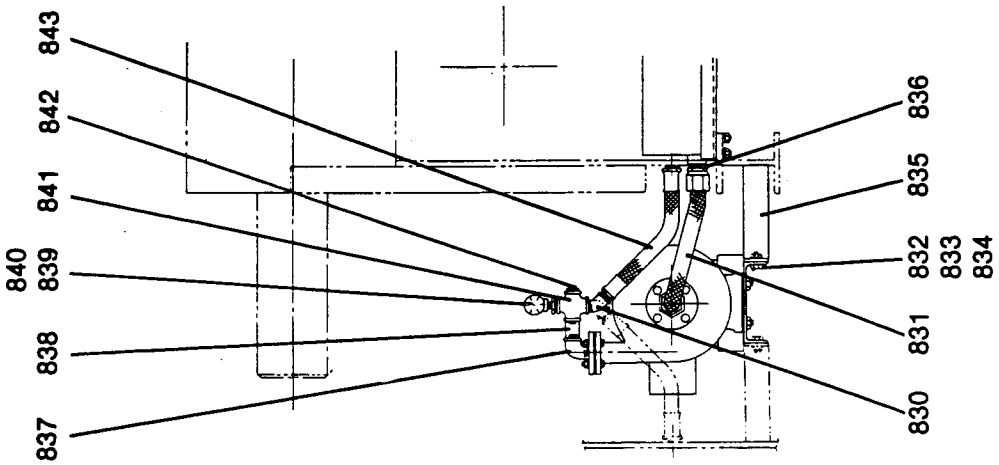


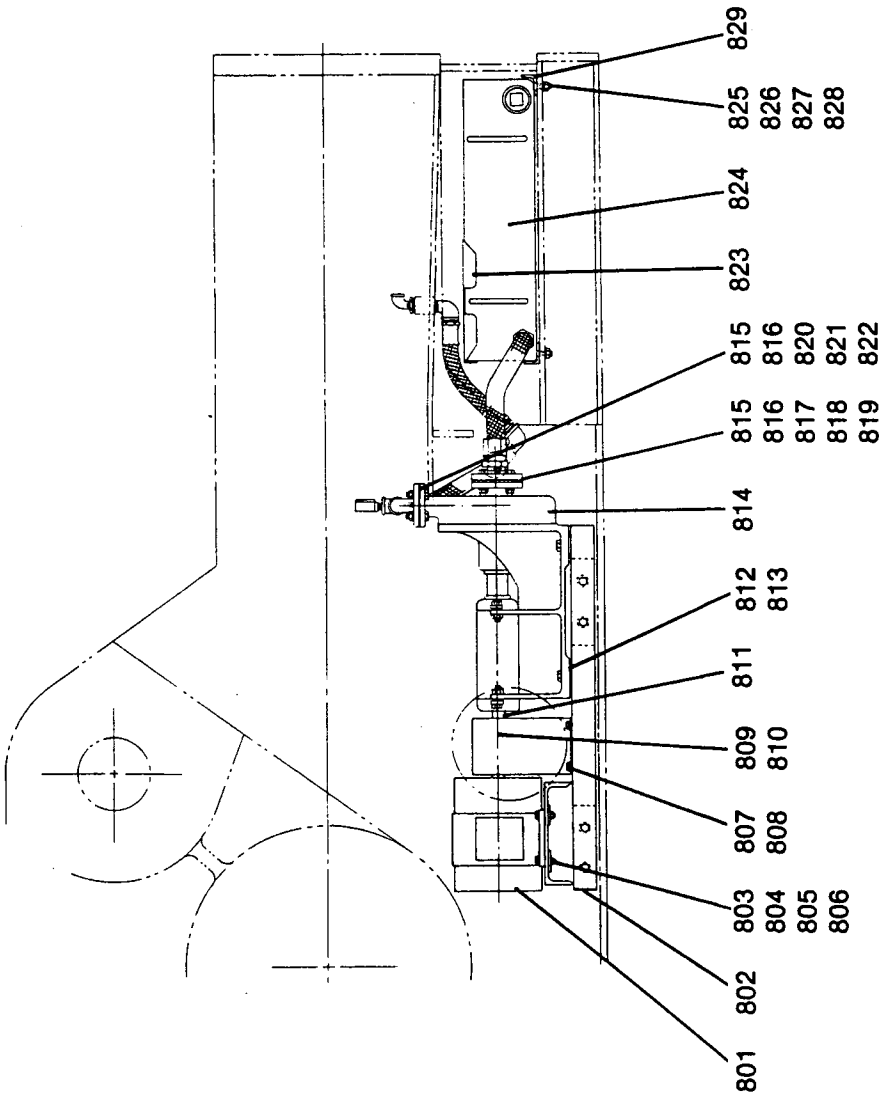
BELT DRIVEN PISTON-LINER LUBE SYSTEM

LITHO. IN U.S.A.

Item No.	Part No..	Description	No. Req'd.
701	1291077	SHEAVE, Lube Pump Drive	1
702	7027210-12	SCREW, 3/8" x 1-1/2" Hex Socket Head Cup Point Nylok Set	2
703	1291098	CAP, Pinion Shaft	1
704	4701105	BELT, "V" A-105	1
705	1291373	GUARD, Lube Pump "V" Belt — Left Hand	1
or	1291374	GUARD, Lube Pump "V" Belt — Right Hand	1
706	7000301-11	SCREW, 1/2" x 3/4" Grade 5 Cadmium Plated Hex Head Cap	4
707	7621032	WASHER, 1/2" N Type A 1.062" O.D. Cadmium Plated	4
708	6800120	BUSHING, 1-1/2" x 1" Standard C.I. Hex	1
709	6817077	NIPPLE, 1" x 3-1/2" Standard Pipe	1
710	6826008	ELBOW, 90° x 1" Standard M.I.	1
711	7815072	PUMP, No. 3 B & S Foot Mtg. W/O Relief Valve 713-3-1	1
712	2401620	KEY, 3/16" x 3/16" x 1" Long	1
713	7200034	SHEAVE, 1A Groove 4-1/2" P.D.	1
714	1291080	RAIL, Sump Support	2
715	6300081	NUT, Hex, 1/2" Cadmium Plated	8
716	7035305-01	SCREW, 1/2" x 1-1/2" Flat Head Machine Cadmium Plated	8
717	7619050	WASHER, 1/2" Regular Spring Lock Cadmium Plated	8
718	7621032	WASHER, 1/2" N Type A 1.062" O.D. Cadmium Plated	8
719	1291263	SUMP, Liner Spray	1
720	1293076	STRAINER, Lube Sump	1
721	1284036	HOSE, 1" x 18" Long	3
722	6829008	ELBOW, 90° x 1" Standard M.I. Street	7
723	1275228	HOSE, 1" x 45-1/2" Long	1
724	1286036	HOSE, 1" x 33-1/4" Long	1
725	6830022	ELBOW, 90° x 1" x 3/4" Standard M.I. Reducing Street	2
726	7000259-11	SCREW, 7/16" x 1-3/4" Grade 5 Cadmium Plated Hex Head Cap	4
727	7619045	WASHER, 7/16" Regular Spring Lock Cadmium Plated	4
728	1294065	BRACKET, Lube Pump	1
729	1290064	PLATE, Back-Up	1
730	7000304-11	SCREW, 1/2" x 1-1/4" Grade 5 Cadmium Plated Hex Head Cap	2
731	7619050	WASHER, 1/2" Regular Spring Lock Cadmium Plated	2
732	7621032	WASHER, 1/2" N Type A 1.062" O.D. Cadmium Plated	2

LITHO. IN U.S.A.



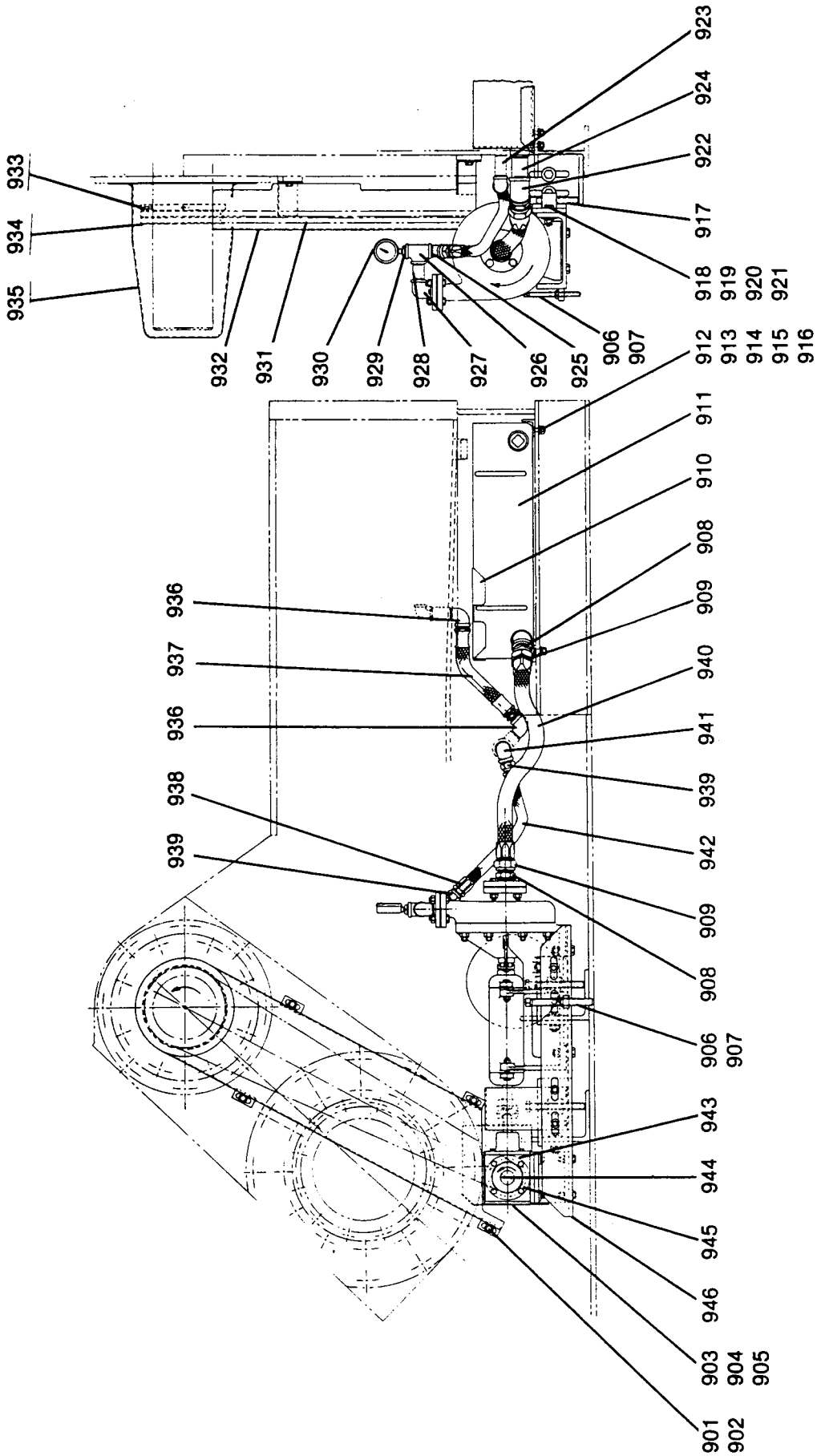


ELECTRIC MOTOR DRIVEN PISTON-LINER LUBE SYSTEM

LITHO. IN U.S.A.

Item No.	Part No.	Description	No. Req'd.
◄801	7812008	MOTOR, 3HP 182 TC 60Hz 1725 RPM 230/460 V 3P	1
or	7812009	MOTOR, 3HP 182 TC 60Hz 1725 RPM 575V 3P	1
◄802	1292285	BASE, Pump and Motor	1
◄803	1292293	WASHER, 1-3/4" Square	4
◄804	6300062	NUT, 3/8"-16UNC Cadmium Plated Hex	4
◄805	7000211-11	SCREW, 3/8" x 1-3/4" Grade 5 Cadmium Plated Hex Head Cap	4
◄806	7619041	WASHER, 3/8" Regular Spring Lock Cadmium Plated	4
◄807	7000207-11	SCREW, 3/8" x 7/8" Grade 5 Cadmium Plated Hex Head Cap	4
◄808	7600026	WASHER, 3/8" W Type A 1.000" O.D.	4
◄809	1292286	GUARD, Coupling	1
◄810	7802327	COUPLING, Falk Type T-10 Size 20T10 1-1/8" Bore	1
◄811	2401860	KEY, 1/4" x 1/4" x 1-1/4"	2
◄812	1292283	SHIM, Pump (Laminated)	4
◄813	7000396-11	SCREW, 5/8" x 1-3/4" Grade 5 Cadmium Plated Hex Head Cap	4
◄814	7815147	PUMP, 1" x 1-1/2" Mission No. C-40-C.I.-S Centrifugal	1
◄815	7619050	WASHER, 1-1/2" Regular Spring Lock Cadmium Plated	8
◄816	6300081	NUT, 1/2" Hex Cadmium Plated	8
◄817	5902172	FLANGE, 1-1/2" ASA-150 lbs. Threaded Flat Face	1
◄818	6010036	GASKET, 1-1/2" J-M76 150 lbs. 1/16" Full Face w/Holes	1
◄819	7000309-11	SCREW, 1/2" x 2-1/4" Grade 5 Cadmium Plated Hex Head Cap	4
◄820	5902091	FLANGE, 1" ASA-150 lbs. Threaded Flat Face	1
◄821	6010037	GASKET, 1" J-M76 150 lbs. 1/16" Full Face w/Holes	1
◄822	7000307-11	SCREW, 1/2" x 2" Grade 5 Cadmium Plated Hex Head Cap	4
823	1293076	STRAINER, Lube Sump	1
824	1291263	SUMP, Liner Spray	1
825	6300081	NUT, 1/2" Hex Cadmium Plated	8
826	7035305-01	SCREW, 1/2" x 1-1/2" Cadmium Plated Flat Head Machine	8
827	7619050	WASHER, 1/2" Regular Spring Lock Cadmium Plated	8
828	7621032	WASHER, 1/2" N Type A 1.062" O.D. Cadmium Plated	8
829	1291080	RAIL, Sump Support	2
830	6839008	ELBOW, 45° x 1" Standard M.I. Street	1
831	6106001	HOSE ASSEMBLY, 1-1/2" x 24" Long	1
832	7621044	WASHER, 3/4" N Type A 1.469" O.D. Cadmium Plated	4
833	6310120	NUT, 3/4"-10UNC Flexloc No. 31FA-1210	4
834	7000439-11	SCREW, 3/4" x 1-3/4" Grade 5 Cadmium Plated Hex Head Cap	4
835	1292284	SUPPORT, Piston-Liner Spray Pump	2
836	7800070	ADAPTER, Male Pipe Gates No. 7253-429	1
837	6829008	ELBOW, 90° x 1" Standard M.I. Street	1
838	6817076	NIPPLE, 1" x 3" Standard Pipe	1
839	6800081	BUSHING, 1" x 1/4" Standard M.I. Hex	1
840	7806002	GAUGE, Glycerin 2-1/2" O-100 PSI 1/4" NPT	1
841	6859008	CROSS, 1" Standard Pipe	1
842	6873008	PLUG, 1" Standard Cored Square Head	1
843	1284036	HOSE ASSEMBLY, 1" x 18" Long	1
	1292288	PUMP COMPLETE, Piston-Liner Spray with 230/460V Motor. Includes items listed above indicated by ◄. (Service Item)	
	1292309	PUMP COMPLETE, Piston-Liner Spray with 575V Motor. Includes items listed above indicated by ◄. (Service Item)	

LITHO. IN U.S.A.

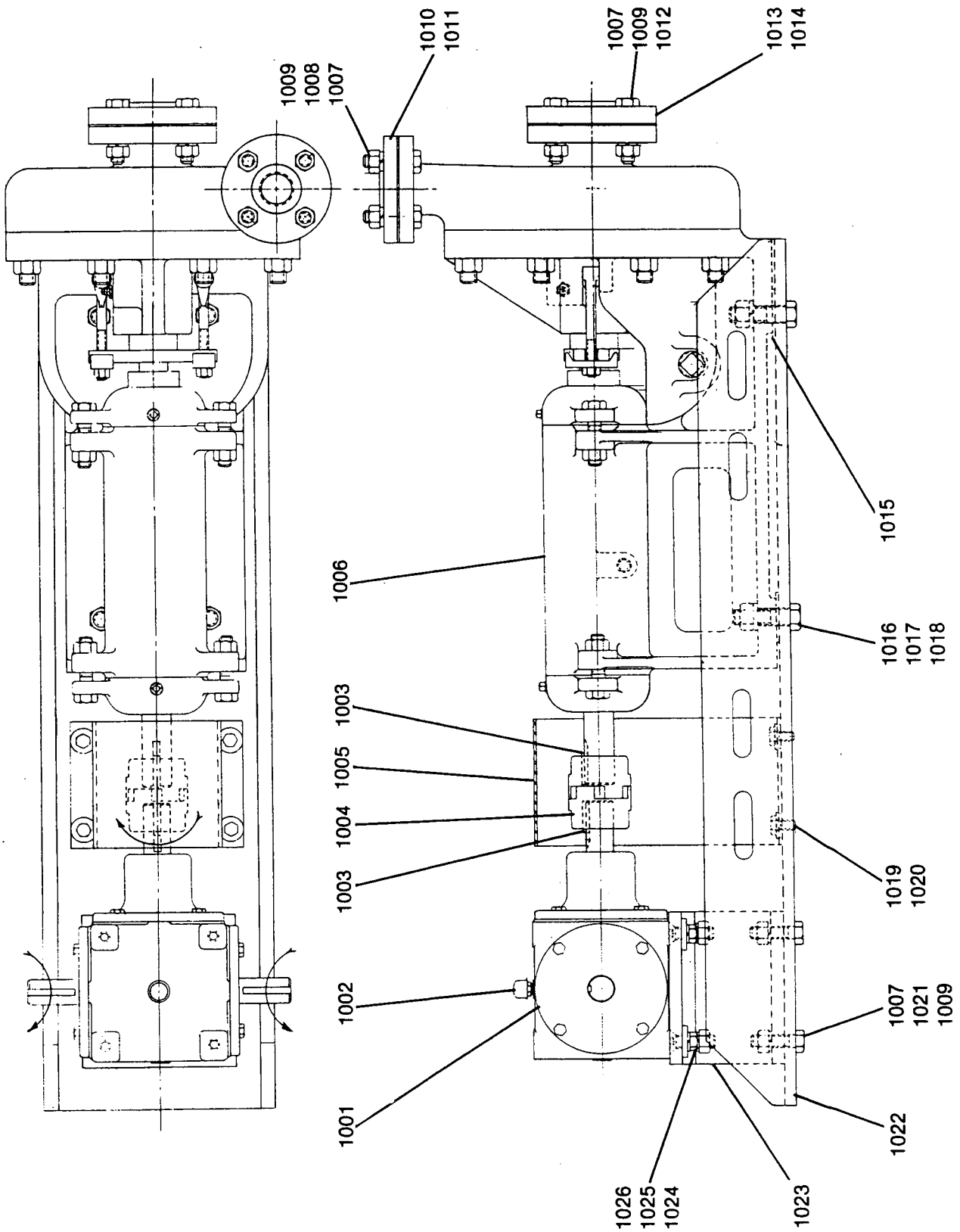


BELT DRIVEN RIGHT ANGLE PISTON-LINER LUBE SYSTEM

LITHO. IN U.S.A.

Item No.	Part No.	Description	No. Req'd.
901	7000301-11	SCREW, 1/2" x 3/4" Grade 5 Cadmium Plated Hex Head Cap	4
902	7621032	WASHER, 1/2" N Type A 1.062" O.D. Cadmium Plated	4
903	G-1291275	GUARD, Gear Box Sheave — Left Hand	1
or	G-1291279	GUARD, Gear Box Sheave — Right Hand	1
904	G-7000254-11	SCREW, 7/16" x 3/4" Grade 5 Cadmium Plated Hex Head Cap	2
905	7619045	WASHER, 7/16" Regular Spring Lock Cadmium Plated	2
906	6320100	NUT, 5/8" Hex Jam	1
907	7016421	SCREW, 5/8" x 8" Square Head Cup Point Set	1
908	7802358	CONNECTOR, Weatherhead No. C5205 x 24	2
909	7805072	FITTING, 1-1/2" Swivel Female No. 411-24S	2
910	1293076	STRAINER, Lube Oil Sump	1
911	1291263	SUMP, Lube Oil	1
912	6300081	NUT, 1/2" Cadmium Plated Hex	8
913	7035305-01	SCREW, 1/2" x 1-1/2" Cadmium Plated Flat Head Machine	8
914	7619050	WASHER, 1/2" Regular Spring Lock Cadmium Plated	8
915	7621032	WASHER, 1/2" N Type A 1.062" O.D. Cadmium Plated	8
916	1291080	RAIL, Lube Oil Sump Support	2
917	G-1291252	BRACKET, Pump Mounting	2
918	6300103	NUT, 5/8" Cadmium Plated Hex	4
919	7000397-11	SCREW, 5/8" x 2" Grade 5 Cadmium Plated Hex Head Cap	4
920	7619058	WASHER, 5/8" Regular Spring Lock Cadmium Plated	4
921	7621042	WASHER, 5/8" W Type A 1.750" O.D. Cadmium Plated	4
922	6828012	ELBOW, 45° x 1-1/2" Standard M.I.	1
923	6817078	NIPPLE, 1" x 4" Standard Pipe	1
924	6817112	NIPPLE, 1-1/2" x 4" Standard Pipe	1
925	6839008	ELBOW, 45° x 1" Standard M.I. Street	1
926	6888008	TEE, 1" Standard M.I. Pipe	1
927	6829008	ELBOW, 90° x 1" Standard M.I. Street	1
928	6817076	NIPPLE, 1" x 3" Standard Pipe	1
929	6800081	BUSHING, 1" x 1/4" Standard M.I. Hex	1
930	7806002	GAUGE, 2-1/2" Glycerin O-100 PSI 1/4" NPT	1
931	4701105	BELT, "V" A-105	2
932	G-1291268	GUARD, Gear Box Left Hand "V" Belt	1
or	G-1291269	GUARD, Gear Box Right Hand "V" Belt	1
933	7027210-12	SCREW, 3/8" x 1-1/2" Hex Socket Cup Point Nylok Set	2
934	1291077	SHEAVE, Lube Pump Drive	1
935	1291098	CAP, Pinion Shaft End	1
936	6829008	ELBOW, 90° x 1" Standard M.I. Street	6
937	1284036	HOSE ASSEMBLY, 1" x 18" Long	3
938	7805083	FITTING, Aeroquip No. 4411-16S	2
939	7800076	ADAPTER, Aeroquip No. 2021-16-16S	2
940	6100037	HOSE, Aeroquip No. 2651-24 0'-24" Long	1
941	6826008	ELBOW, 90° x 1" Standard M.I.	1
942	6100036	HOSE, Aeroquip No. 2651-16 0'-18" Long	1
943	G-1291258	COVER, Cross Shaft	1
944	2401860	KEY, 1/4" Square x 1-1/4" Long	1
945	G-7200046	SHEAVE, 3.6" P.D. "A" 2 Groove with Type "SH" Q.D. Hub	1
946	G-1291157	PUMP COMPLETE, See Page 20	1

LITHO. IN U.S.A.

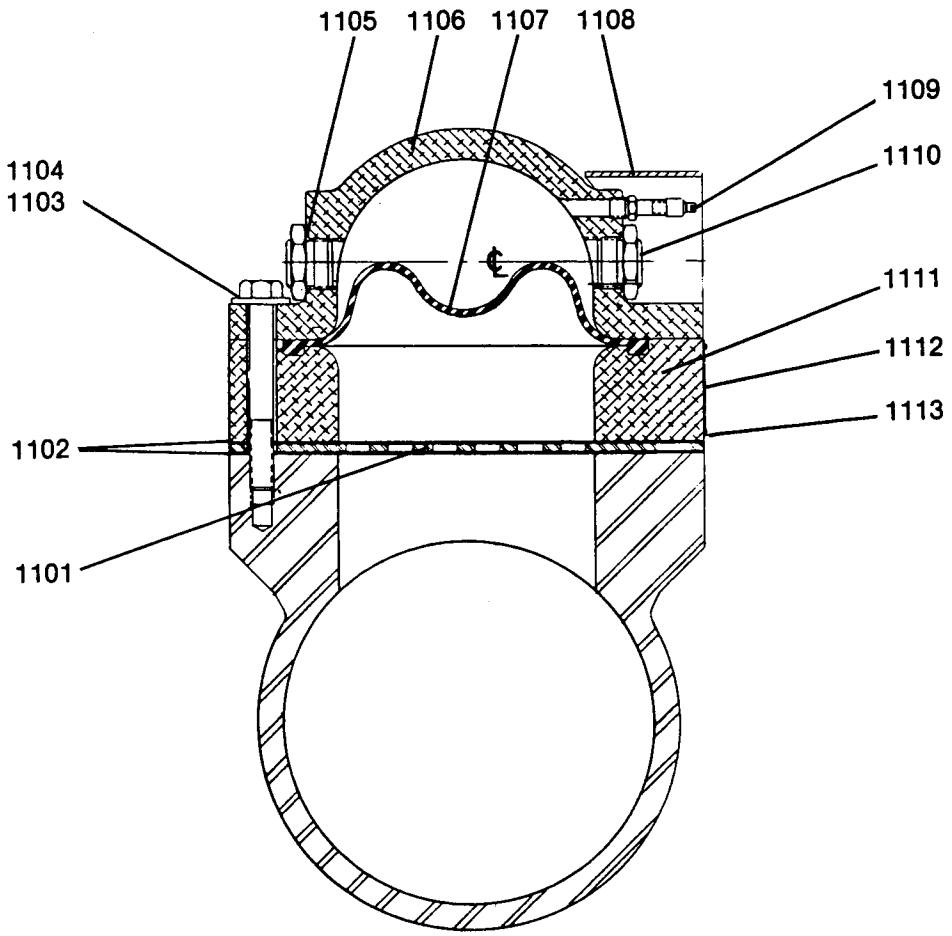


PISTON-LINER LUBE PUMP G-1291157
(RIGHT ANGLE DRIVE)

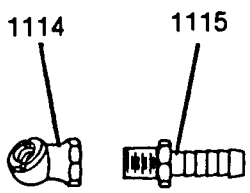
LITHO. IN U.S.A.

Item No.	Part No.	Description	No. Req'd.
1001	G-7806090	GEAR BOX, Von Ruden Model 55-19 Type E/G 2:1 Reduction Ratio	1
1002	7801121	BREATHER, Bendix No. 568699	1
1003	2401860	KEY, 1/4" x 1/4" x 1-1/4" Plain	2
1004	G-7802332	COUPLING, Bondtru No. B-323 W/1-1/8" and 1" Bore	1
1005	1292286	GUARD, Coupling	1
1006	7815147	PUMP, Mission 1" x 1-1/2" C-40-C.I.-S Centrifugal	1
1007	6300081	NUT, 1/2" Cadmium Plated Hex	10
1008	7000307-11	SCREW, 1/2" x 2" Grade 5 Cadmium Plated Hex Head Cap	4
1009	7619050	WASHER, 1/2" Regular Spring Lock Cadmium Plated	10
1010	5902091	FLANGE, 1" ASA-150 lb. Threaded Flat Face	1
1011	6010037	GASKET, 1" J-M76 150 lb. 1/16" w/Holes Full Face	1
1012	7000309-11	SCREW, 1/2" x 2-1/4" Grade 5 Cadmium Plated Hex Head Cap	4
1013	5902172	FLANGE, 1-1/2" ASA-150 lb. Threaded Flat Face	1
1014	6010036	GASKET, 1-1/2" J-M76 150 lb. 1/16" w/Holes Full Face	1
1015	G-1292283	SHIM, Pump	4
1016	6300103	NUT, 5/8"-11UNC Cadmium Plated Hex	4
1017	7000398-11	SCREW, 5/8" x 2-1/4" Grade 5 Cadmium Plated Hex Head Cap	4
1018	7619058	WASHER, 5/8" Cadmium Plated Regular Spring Lock	4
1019	7000206-11	SCREW, 3/8" x 3/4" Grade 5 Cadmium Plated Hex Head Cap	4
1020	7621024	WASHER, 3/8" Type A 0.81" O.D. Cadmium Plated	4
1021	7000306-11	SCREW, 1/2" x 1-3/4" Grade 5 Cadmium Plated Hex Head Cap	2
1022	G-1291158	BRACKET, Centrifugal Pump and Gear Box Mounting	1
1023	G-1291159	PEDESTAL, Gear Box	1
1024	7000257-11	SCREW, 7/16" x 1-1/4" Grade 5 Cadmium Plated Hex Head Cap	4
1025	7619045	WASHER, 7/16" Cadmium Plated Regular Spring Lock	4
1026	G-7624021	WASHER, 1/2" I.D. x 1-1/4" O.D. x .217" Thick Special Flat	4

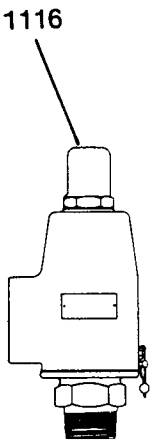
LITHO. IN U.S.A.



SECTION THRU SUCTION LINE DAMPENER



AIR CHUCK AND COUPLING



SUCTION LINE RELIEF VALVE

LITHO. IN U.S.A.

Item No.	Part No.	Description	No. Req'd.
1101	1290198	RETAINER, Suction Line Dampener Diaphragm	1
1102	1290199	GASKET, Dampener	2
1103	7000361-11	SCREW, 9/16" x 4" Grade 5 Cadmium Plated Hex Head Cap	32
1104	7621036	WASHER, 9/16" N Type A 1.159" O.D. Cadmium Plated	32
1105	2410031-024	PACKING, Rectangular Section	2
1106	1290197	COVER, Suction Line Dampener	1
1107	1290195	DIAPHRAGM, Suction Line Dampener	1
1108	1290228	GUARD, Air Valve	1
1109	7500021	VALVE, 1/4" Dill No. 02500-100AA-643VC Check	1
1110	7815106	PLUG, Tedeco Model No. W-54 Sight	2
1111	1290196	SPACER, Suction Line Dampener	1
1112	2407136	PLATE, Instruction	1
1113	7178025	SCREW, No. 2 x 1/4" Type U Round Head Drive	8
1114	7802028	CHUCK, 1/4" Dill No. 6044 Air	1
1115	7802029	COUPLING, Dill No. 6094 Air Chuck	1
*	1290203	DAMPENER, Double Flanged 8" Suction Line Composed of: 1—1290200 BODY COMPLETE, Double Flanged 8" Suction Line 8—6300121 NUT, 3/4" Cadmium Plated Hex 2—6908041 RING, R48-D Oval Joint 1—6817121 NIPPLE, 2" x 3" Standard Pipe 2—6874016 PLUG, Standard Solid Square Head 2" 1—6888016 TEE, 2" Standard Pipe 8—7000445-11 SCREW, 3/4" x 3-1/4" Grade 5 Cad. Plated Hex Head Cap 8—7000448-11 SCREW, 3/4" x 4" Grade 5 Cad. Plated Hex Head Cap Items 1101 thru 1115 are also included.	1
*	1290212	DAMPENER, Single Flanged 8" Suction Line Composed of: 1—1290213 BODY COMPLETE, Single Flanged 8" Suction Line 1—6908041 RING, R48-D Oval Joint 2—6874016 PLUG, Standard Solid Square Head 2" 8—7000445-11 SCREW, 3/4" x 3-3/4" Grade 5 Cad. Plated Hex Head Cap Items 1101 thru 1115 are also included.	1
*	1290277	DAMPENER, Right Hand Side Inlet 8" Suction Line Composed of: 1—1290275 BODY COMPLETE, Right Hand Side Inlet 8" Suction Line Dampener 1—6010023 GASKET, 8" Flat Ring 8—6300121 NUT, 3/4" Cadmium Plated Hex 2—6874016 PLUG, Standard Solid Square Head 2" 1—6908041 RING, R48-D Oval Joint 16—7000445-11 SCREW, 3/4" x 3-1/4" Grade 5 Cad. Plated Hex Head Cap Items 1101 thru 1115 are also included.	1
*	1290278	DAMPENER, Left Hand Side Inlet 8" Suction Line Composed of: 1—1290279 BODY COMPLETE, Left Hand Side Inlet 8" Suction Line Dampener 1—6010023 GASKET, 8" Flat Ring 8—6300121 NUT, 3/4" Cadmium Plated Hex 2—6874016 PLUG, Standard Solid Square Head 2" 1—6908041 RING, R48-D Oval Joint 16—7000445-11 SCREW, 3/4" x 3-1/4" Grade 5 Cad. Plated Hex Head Cap Items 1101 thru 1115 are also included.	1
*	1290208	DAMPENER, Suction Line for Field Installation to Existing 10" Pipe Composed of: 1—1290209 PLATE, Mounting Items 1101 thru 1115 are also included.	
*	1290210	DAMPENER, Suction Line for Field Installation to Existing 8" Pipe Composed of: 1—1290211 PLATE, Mounting Items 1101 thru 1115 are also included.	
1116	7500065	VALVE, Relief Texstream Series 55-RO Set At 70 PSI	1

*One Furnished with Pump — Type and Size Optional

LITHO. IN U.S.A.

TOOLS FURNISHED — NOT ILLUSTRATED

Part No.	Description	No. Req'd.
1291225	ADAPTER, Pinion Rotating	1
7000394-11	SCREW, 5/8" x 1-1/4" Grade 5 Cadmium Plated Hex Head Cap	3
7619058	WASHER, 5/8" Regular Spring Lock Cadmium Plated	3
2402290	WRENCH, Pinion Rotating Adapter	1
1290183	PULLER COMPLETE, Seal Retainer	1
	Composed of:	
	1—1290182 PULLER ONLY	
	1—2408021 STUD, 3/4" x 1-1/2" Straight All-Thread	
	1—6572024 PIN, 5/16" x 1-1/2" Stainless Slotted Steel Spring	
1290207	BOLT, Liner Clamp Tee Handle Lifting (4" Long)	1
1290206	BOLT, Liner Clamp Tee Handle Lifting (3" Long)	1
G-7815046	PULLER, Bluebonnet Model NP-2100 Valve Seat	1
1291181	DRIVER, Fluid Valve Seat	1
	Composed of:	
	1—1291223 COVER, Guide	
	1—1291224 DRIVER ONLY, Fluid Valve Seat	
1292278	HOLDER, Seal Retainer	1
1710270	BAR, Wedge Loosening	1
2409010	WRENCH, Wedge Adjusting Screw	1
2409011	WRENCH, for 2409010	1
1291164	PLATE, Bushing Puller	1
M-1023	WRENCH, Piston Rod Nut	1

OPTIONAL ITEMS — NOT ILLUSTRATED

Part No.	Description	No. Req'd.
1291207	CROSS COMPLETE, Strainer for K-20-5000 Hydril Dampener	1
	Composed of:	
	2—1291180 SHIM, 1/8" (Steel)	
	4—1291184 SHIM, 1/32" (Steel)	
	1—1291221 PLATE, Support Base	
	1—1291208 CROSS ONLY, Strainer	
	1—1291219 SUPPORT, Strainer Cross	
	1—1291212 STRAINER COMPLETE	
	24—2402560 STUD, 1-1/4" x 6-1/4"	
	24—6300200 NUT, 1-1/4" Heavy Hex	
	4—7000439-11 SCREW, 3/4" x 1-3/4" Hex Head Cap Grade 5 Cad. Plated	
	4—7000440-11 SCREW, 3/4" x 2-1/4" Hex Head Cap Grade 5 Cad. Plated	
	8—7619066 WASHER, 3/4" Regular Spring Lock Cad. Plated	
1291214	KIT, Flange and Gasket for 12911207 Cross	1
	Composed of:	
	2—5912370 FLANGE, 4" API-5000 lb. Weld Neck Ring Joint — 3.152" Bore	
	1—1290305 FLANGE, Strainer Clean-Out	
	4—6908033 RING, R39-D Oval Joint	
1291209	CROSS COMPLETE, Strainer for K-20-3000 Hydril Dampener	1
	Composed of:	
	2—1291180 SHIM, 1/8" (Steel)	
	4—1291184 SHIM, 1/32" (Steel)	
	1—1291221 PLATE, Support Base	
	1—1291210 CROSS ONLY, Strainer	
	1—1291219 SUPPORT, Strainer Cross	
	1—1291212 STRAINER COMPLETE	
	24—2402560 STUD, 1-1/4" x 6-1/4"	
	24—6300200 NUT, 1-1/4" Heavy Hex	
	4—7000439-11 SCREW, 3/4" x 1-3/4" Hex Head Cap Grade 5 Cad. Plated	
	4—7000440-11 SCREW, 3/4" x 2-1/4" Hex Head Cap Grade 5 Cad. Plated	
	8—7619066 WASHER, 3/4" Regular Spring Lock	
1291222	KIT, Flange and Gasket for 1291209 Cross	1
	Composed of:	
	2—5912370 FLANGE, 4" API-5000 lb. Weld Neck Ring Joint — 3.152" Bore	
	1—1290305 FLANGE, Strainer Clean-Out	
	3—6908033 RING, R39-D Oval Joint	
	1—6908030 RING, R37-D Oval Joint	

LITHO. IN U.S.A.

OPTIONAL ITEMS — NOT ILLUSTRATED

Part No.	Description	No. Req'd.
1291125	HOIST COMPLETE	1
	Composed of:	
	1—1291126 BOOM, Hoist	
	2—1290127 BRACKET, Hoist Support	
	1—1291128 MAST, Hoist	
	2—1291129 ROD, Hoist Support	
	4—6320120 NUT, 3/4" Hex Jam	
	2—7000395-11 SCREW, 5/8" x 1-1/2" Hex Head Cap Grade 5 Cad. Plated	
	2—7000440-11 SCREW, 3/4" x 2" Hex Head Cap Grade 5 Cad. Plated	
	2—7619059 WASHER, 5/8" Regular Spring Lock Cad. Plated	
	2—7619066 WASHER, 3/4" Regular Spring Lock Cad. Plated	
	4—7800044 ASSEMBLY, 2708-1/2 8A Yoke Pin	
	4—7804019 END, 2708-8A Adjustable Yoke	
	1—7805052 FITTING, Alemite No. 1610-B	
	1—7819040 TROLLEY, 1/2 Ton Plain Yale Model FW	
1291274	STROKE COUNTER SWITCH ASSEMBLY	1
	Composed of:	
	1—1290273 BRACKET, Switch	
	1—6820004 ELBOW, 1/2" x 90° Standard M.I. Street	
	1—1290324 CONDUIT, Switch	
	2—6300040 NUT, 1/4" Hex	
	2—6300060 NUT, 3/8" Hex	
	2—7000106-11 SCREW, 1/4" x 3/4" Hex Head Cap Grade 5 Cad. Plated	
	2—7000212-11 SCREW, 3/8" x 2" Hex Head Cap Grade 5 Cad. Plated	
	1—7818203 SWITCH, Micro No. EX-AR	
	2—7618014 WASHER, Parker No. 600-0101-3/8" Stat-O-Seal	
	2—7619033 WASHER, 1/4" Regular Spring Lock Cad. Plated	
	2—7619041 WASHER, 3/8" Regular Spring Lock Cad. Plated	
	1—7822068 WIRE, 14/3 Romex Type NM 600V 22" Long	
	1—6839004 ELBOW, 1/2" x 45° Standard M.I. Street	

LITHO. IN U.S.A.

NATIONAL LINERS AND PISTONS

			PISTONS	
			BLUE-STRIPE SINGLE ACTING	
Size	Liner Packing	LINERS Bi-Metal	Complete	Cup Assemblies
4"	1540140	L-4307	K-1134	K-1115
4-1/2"	1540142	L-4327	K-1034	K-1117
4-3/4"	1540143	L-4337		
5"	1540144	L-4347	K-1032	K-1102
5-1/2"	1540146	L-4367	K-1021	K-1104
5-3/4"	1540147	L-4377	K-1167	K-1168
6"	1540148	L-4387	K-1022	K-1044
6-1/4"	1540149	L-4397	K-1064	K-1106

NATIONAL VALVES

Type	Valve Seat	Valve Cpt.	Valve Body	Valve Disc	Valve Lock	Valve Spring	Snap Ring
"G-2" Hycar	1561450	1560994	1560990	1560588	1560706	1560701	1560705
"G-2" Polyurethane	1561450	1560995	1560990	1560587	1560706	1560701	1560705