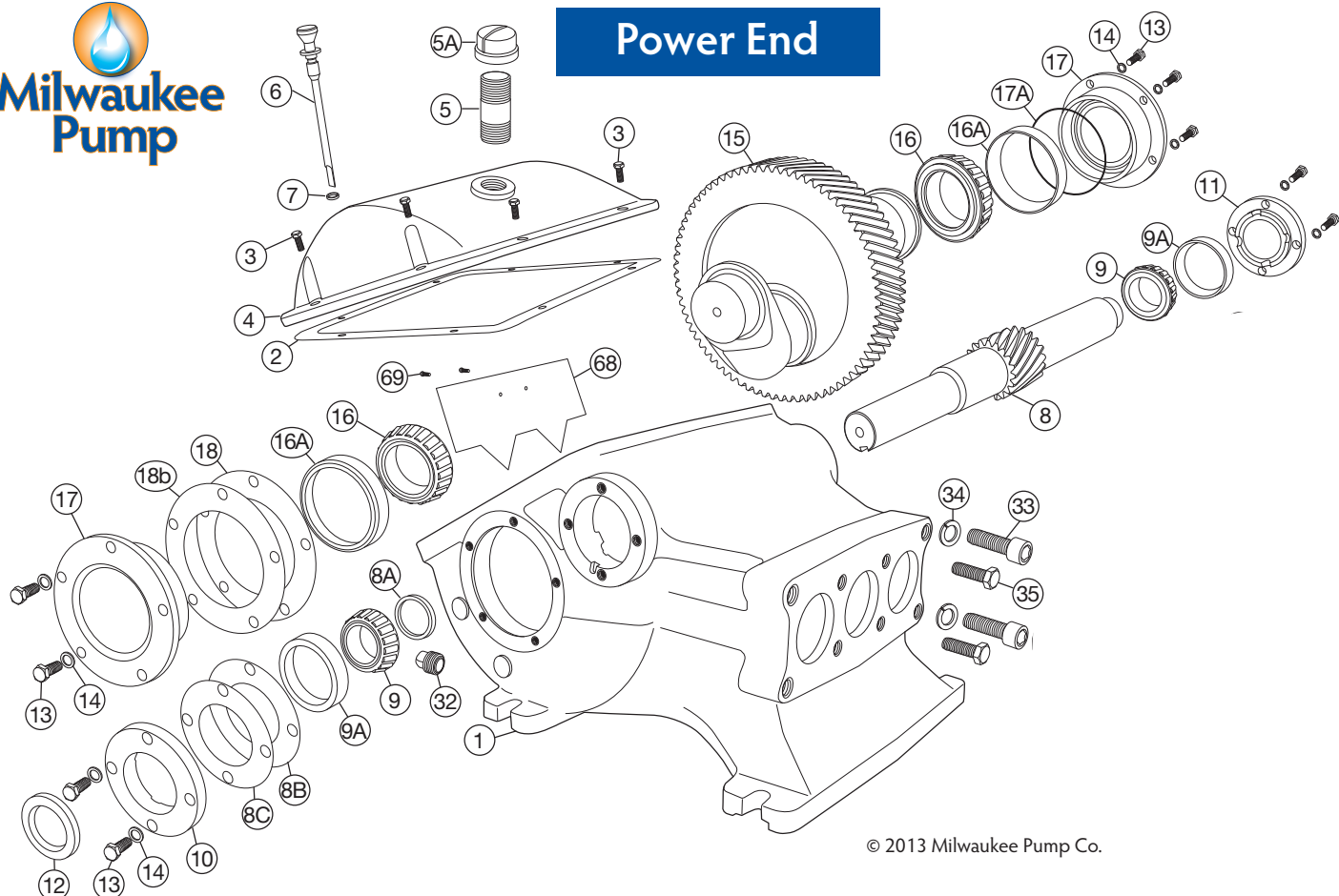


An exploded view diagram of a Milwaukee 1/2 HP 1800 RPM 3/4 inch shaft pump assembly. The diagram shows various components including the pump housing, impeller, shaft, gears, and various fasteners. The Milwaukee logo is visible in the bottom right corner.





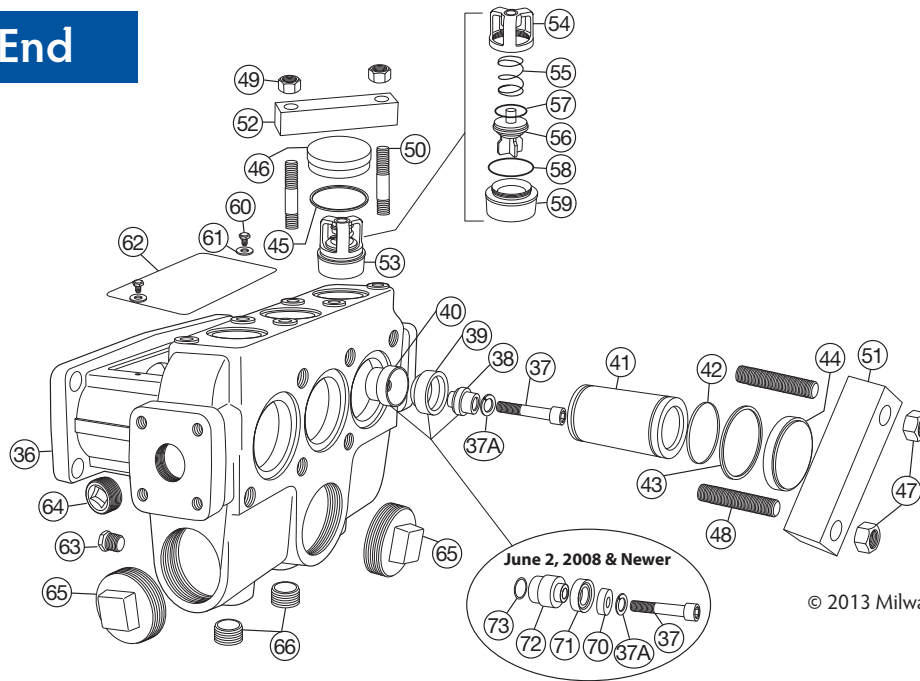
Power End



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Ref.	Description	Qty	FE Myers #	MP#
1	Case Gear	1	04625E001(A)	MP4625E1
2	Gasket Lid	1	06201C000	MP6201C
3	Screw for Lid	8	19100A005(B)	MP19100A5
4	Lid	1	04561B000	MP4561B
5	Nipple Special Vent	1	17995A000	MP17995A
5A	Cap Pipe	1	05737A002	MP5737A2
6	Dip Stick w/O-Ring	1	17360A011K	MP17360A11
7	O-Ring for Dip Stick	1	05876A063K(C)	MP5876A63
8	Shaft Pinion	1	20164B020K(D) *	MP20164B020
8A	Spacer	1	20164B022A(E)	MP20164B022A
8B	Shim Green .003	4	05231A074	MP5231A74
8C	Shim Pink .015	4	05231A075	MP5231A75
9	Cone Bearing Pinion	2	05674A013	MP5674A13
9A	Cup Bearing Pinion	2	05675A009	MP5675A9
10	Cap Open	1	04563A001	MP4563A1
11	Cap Closed	1	04741B001	MP4741B1
12	Oil Seal	1	05170A017	MP5710A17
13	Screw Pinion & Crank Cap	18	19101A013	MP19101A13
14	Washer Seal	18	14946A003	MP14946A3
15	Crankshaft - 75 Teeth	1	20355C022K(F) *	MP20355C022
16	Cone Bearing Crank	2	05674A021	MP5674A21
16A	Cup Bearing Crank	2	05675A013	MP5675A13
17	Cap Bearing	2	04624B004	MP4624B4
17A	O-Ring 5" ID for Bearing Caps	2	05876A098	MP5876A98
18	Shim Green .003	6	05068A018	MP5068A18
18A	Shim Pink .015	6	05068A016	MP5068A16
32	Plug Magnetic Oil Drain	1	17481A002	MP17481A2
33	Screw Cap 3/4"-10	4	06106A038	MP6106A38
34	Lock Washer	4	05454A003	MP5454A3
35	Screw Cap 5/8"-10	4	19105A008	MP19105A8
68	Baffle Drip Pan	1	M02554B000	MPM2554B000
69	Allen Screw	2	06106A034	MP6106A34

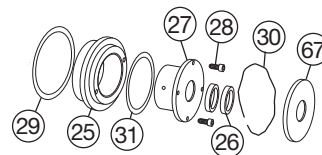
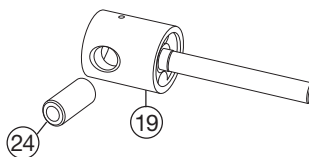
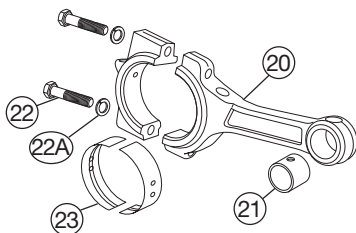
Water End



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Ref.	Description	Qty	FE Myers #	MP#
37	Screw Cap - metric	3	16654A006	MP16654A6
37A	Lock Washer	3	06107A013	MP6107A13
38	Retainer Piston E54-30	3	7206-0359-00A	MP7206-0359-00A
38A	Retainer Piston E70-23	3	7206-0394-00A	MP7206-0394-00A
38B	Retainer Piston E80-20	3	7206-0397-00A	MP7206-0397-00A
38C	Retainer Piston E110-14	3	7206-0349-00A	MP7206-0349-00A
39	Piston Cup E54-30 (1.75 o.d.)	3	7206-0389-00A	MP7206-0389-00A
39A	Piston Cup E70-23 (2.00 o.d.)	3	7206-0392-00A	MP7206-0392-00A
39B	Piston Cup E80-20 (2.125 o.d.)	3	7206-0395-00A	MP7206-0395-00A
	Flat Back (2.50 o.d.)	3	7206-0617-00A	MP7206-0617-00A
40	Piston Hub E54-30	3	7206-0354-00A	MP7206-0354-00A
40A	Piston Hub E70-23	3	7206-0393-00A	MP7206-0393-00A
40B	Piston Hub E80-20	3	7206-0396-00A	MP7206-0396-00A
40C	Piston Hub E110-14	3	7206-0358-00A	MP7206-0358-00A
41	Cylinder Liner E54-30 (1.75 i.d.)	3	26849A000	MP26849A
41A	Cylinder Liner E70-23 (2.00 i.d.)	3	20851A001	MP20851A1
41B	Cylinder Liner E80-20 (2.125 i.d.)	3	20851A004	MP20851A4
41C	Cylinder Liner E110-14 (2.50 i.d.)	3	26849A003	MP26849A003
42	Cylinder Liner O-Ring	3	05876A095	MP5876A95
43	Cylinder Cap Seal Ring	3	7202-0041-00A	MP7202-0041-00A
44	Cylinder Cap	3	26805A000	MP26805A
45	Seal Ring Valve Cap	3	26862A001	MP26862A1
46	Valve Cap E Series (except E80-25)	3	26848A000	MP26848A
47	Hex Nut 7/8 -14	6	19109A072	MP19109A72
48	Stud 7/8-14	6	05659A089	MP5659A89
49	Hex Nut 5/8-11	6	19109A046	MP19109A46
50	Stud 5/8-11	6	05659A560	MP5659A560
51	Cylinder Cap Clamp Bar	3	20856A000	MP20856A
52	Valve Cap Clamp Bar	3	20848A000	MP20848A
53	Suction/Discharge Valve Assembly	6	TS18-AR0-AC0714	MPTS18AR0AC0714
54	Valve Cage	6	7203-0544-00B	MP7203-0544-00B
55	Valve Spring	6	7206-0302-00A	MP7206-0302-00A
56	Valve Guide	6	7203-0542-00A	MP7203-0542-00A
57	Valve Insert E54-30 (Polyurethane)	6	7203-0546-00A	MP7203-0546-00A
58	Valve O-Ring E80-20V	6	05876A236	MP5876A236
58A	Valve O-Ring E70-23 & E110-14	6	110-000032-201	MP110-000032201
59	Valve Seat	6	7203-0543-00B	MP7203-0543-00B
60	Screw Fluid End Lid	2	05028A002	MP5028A2
61	Washer Fluid End Lid	2	05030A020	MP5030A20
62	Lid Cylinder Area of Fluid End	1	M01520A000	MPM1520A
63	Plug 1/2" Pipe	3	05022A063	MP5022A063
64	Plug 1 1/4" Pipe	1	05022A041	MP5022A41
65	Plug 3" Pipe	2	03210A000	MP3210A
66	Plug 1" Pipe	3	05022A043	MP5022A43
70	Piston Retainer E54-30	3	7206-0356-00A	MP7206-0356-00A
71	Piston Cup (Flat) E54-30	3	7206-0361-00A	MP7206-0361-00A
72	Piston Hub E54-30	3	7206-0354-00A	MP7206-0354-00A
73	O-Ring 1 1/4" Poly E54-30	3	110-000024-218	MP110-000024218

Connecting Rods



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Ref.	Description	Qty	FE Myers #	MP#
19	Crosshead	3	06211B042	MP6211B42
20	Ductile Iron Link (Bushing Installed)	3	17042C002	MP17042C2
21	Bushing	3	B01619A000K [Ⓒ]	MPB1619A
22	Screw for Link Half	6	19103A016 [Ⓓ]	MP19103A16
22A	Lock Washer for Link Half	6	05454A004	MP5454A4
23	Bearing Two Halves Standard	3	15245A101K [Ⓙ]	MP15245A101
24	Wrist Pin	3	M01525A001	MPM1525A1
25	Retainer Oil Seal Housing	3	24958A000	MP24958A
26	Oil Seal two per housing	6	22835A003	MP22835A3
27	Housing Oil Seal	3	24959A000	MP24959A
28	Allen Screw	6	06106A034	MP6106A34
29	Gasket Retainer Housing (Lg)	3	05059A058	MP5059A58
30	Circle Spring	3	M01643A000	MPM1643A
31	Gasket Oil Seal Housing	3	05059A434	MP5059A434
67	Oil Slinger Washer	3	05059A263	MP5059A263

(A) Same as #04625E010E

(B) Same as #191100A0338

(C) Same as #110-000110-201

(D) Old #20164B00015 14° Pitch

(E) Old #20164B002A

(F) Old #20355C010 14° Pitch

(G) Same as #B01619A001

(H) New #19103A016

(I) Old #15245A002

*NOTE: In 1998 the crankshaft and pinion gear pitch for this pump was changed from 14 degrees to 22 degrees. Therefore a new crankshaft or pinion will not mesh with the same components manufactured before 1998. Both components must be 22 degrees pitch to work correctly.



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