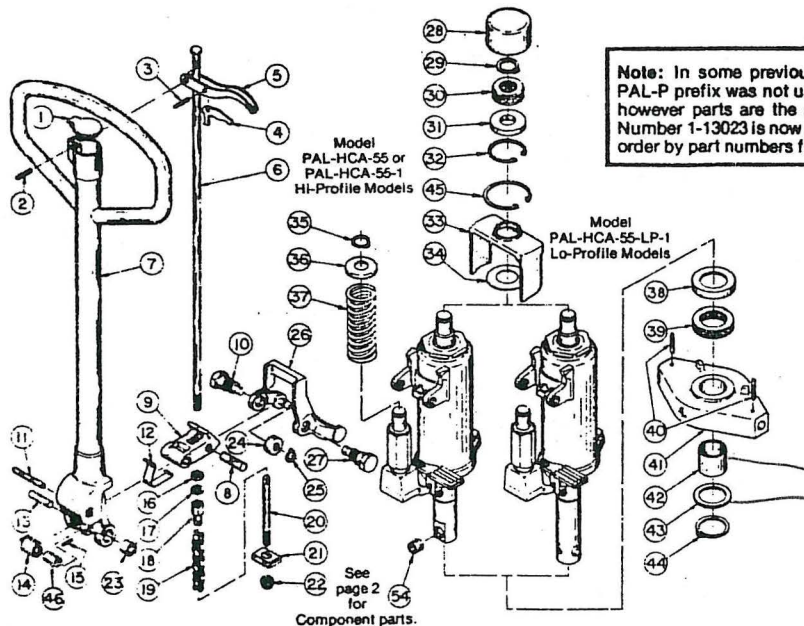




PAL LIFT HYDRAULIC
PALLET
TRUCKS

COMBINED PARTS LIST FOR ALL PAL AND PLH MODEL PALLET TRUCKS HI AND LO PROFILE

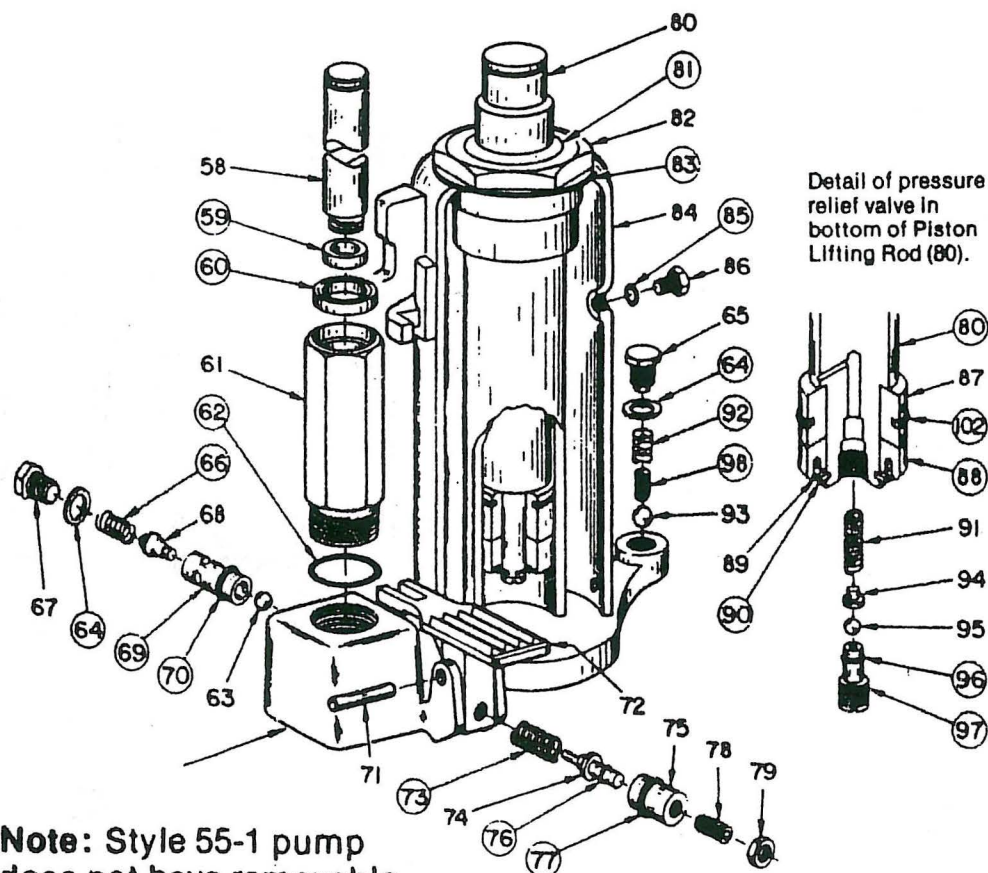
HYDRAULIC CONTROL ASSEMBLY



Note: In some previous Parts Manuals the PAL-P prefix was not used on Part Numbers, however parts are the same. Example: Part Number 1-13023 is now PAL-P1-13023. Please order by part numbers found in this listing.

Diag. No.	Part No.	Description	Qty.
1	PAL-P1-13023	Handle Cap	1
2	PAL-P2-01024	Spring Pin	1
3	PAL-P3-02603	Spring Pin	1
4	PAL-P4-263002	Locking Lever	1
5	PAL-P5-263001	Control Lever	1
6	PAL-P6-323001	Upper Valve Control Rod	1
7	PAL-P7-323100	Operating Handle	1
8	PAL-P8-13022	Universal Pin	1
9	PAL-P9-13004	Rapid Lift Latch	1
10	PAL-P10-23011	Handle Pivot Bolt - R. H. Thds.	1
11	PAL-P11-01028	Spring Pin	1
12	PAL-P12-13021	Latch Spring	1
13	PAL-P13-13012	Pressure Roller Axle	1
14	PAL-P14-13013	Pressure Roller	1
15	PAL-P15-01032	Spring Pin	1
16	PAL-P16-01025	Nut	1
17	PAL-P17-01034	Lock Washer	1
18	PAL-P18-13005	Control Rod End	1
19	PAL-P19-01027	Chain, with split links	1
20	PAL-P20-13007	Lower Valve Control Rod	1
21	PAL-P21-13020	Spring Clip	1
22	PAL-P22-01041	Lock Nut	1
23	PAL-P23-13019	Bushing	2
24	PAL-P24-13015	Rapid Lift Roller	2
25	PAL-P25-01033	Retaining Ring	2
26	PAL-P26-13201	Rapid Lift Crank	1
27	PAL-P27-13011	Handle Pivot Bolt - L. H. Thds.	1
28	PAL-P28-12015	Bearing Cap	1

Diag. No.	Part No.	Description	Qty.
29	PAL-P29-01007	Retaining Ring	1
30	PAL-P30-01008	Upper Thrust Bearing	1
31	PAL-P31-12032	Thrust Plate	1
32	PAL-P32-01009	Retaining Ring	1
33	PAL-P33-322009	Lifting Yoke	1
34	PAL-P34-12040	Rubber Cushion	1
35	PAL-P35-01045	Retaining Ring	1
36	PAL-P36-12030	Spring Cap	1
37	PAL-P37-322001	Pressure Spring	1
38	PAL-P38-12022	Bearing Cover (PAL Model)	1
39	PLH-P101	Bearing Cover (PLH Model)	1
40	PAL-P39-01015	Thrust Bearing (PAL Model)	1
41	PLH-P102	Thrust Bearing (PLH Model)	1
42	PAL-P40-01022	Spring Pin (PAL Model)	2
43	PLH-P103	Spring Pin (PLH Model)	2
44	PAL-P41-322005	Trunnion (PAL Model)	1
45	PLH-P104	Trunnion (PLH Model)	1
46	PAL-P42-12021	Bushing (PAL Model)	1
47	PLH-P105	Bushing (PLH Model)	1
48	PAL-P43-12031	Washer (PAL Model)	1
49	PLH-P107	Washer (PLH Model)	1
50	PAL-P44-01014	Retaining Ring (PAL Model)	1
51	PLH-P108	Retaining Ring (PLH Model)	1
52	PAL-P45-01042	Retaining Ring (PAL Hi-Profile)	1
53	PAL-P46-01042	Retaining Ring (PAL Lo-Profile)	1
54	PLH-P115	Retaining Ring (PLH Model)	1
55	PAL-P47-13014	Bushing	1
56	PAL-P48-322003	Bushing (PAL Hi-Profile)	1

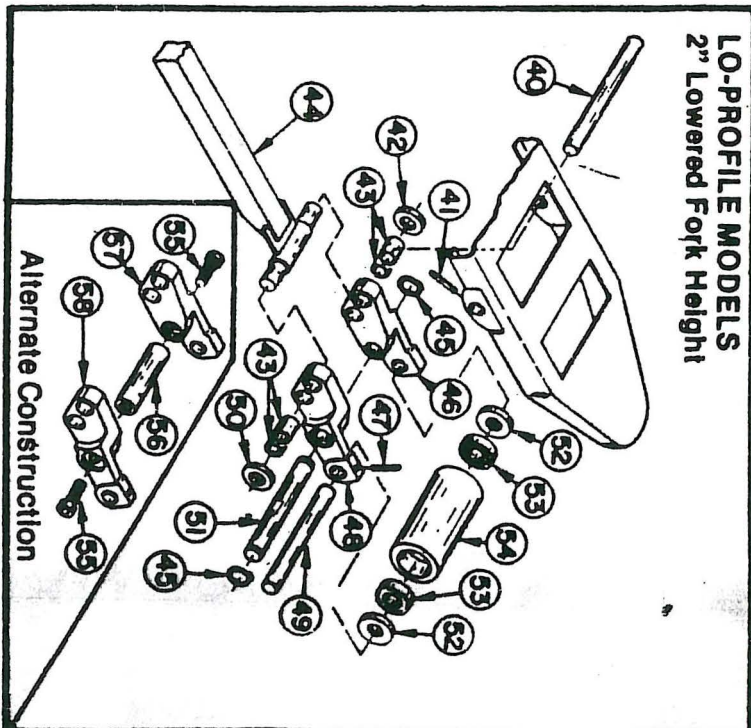
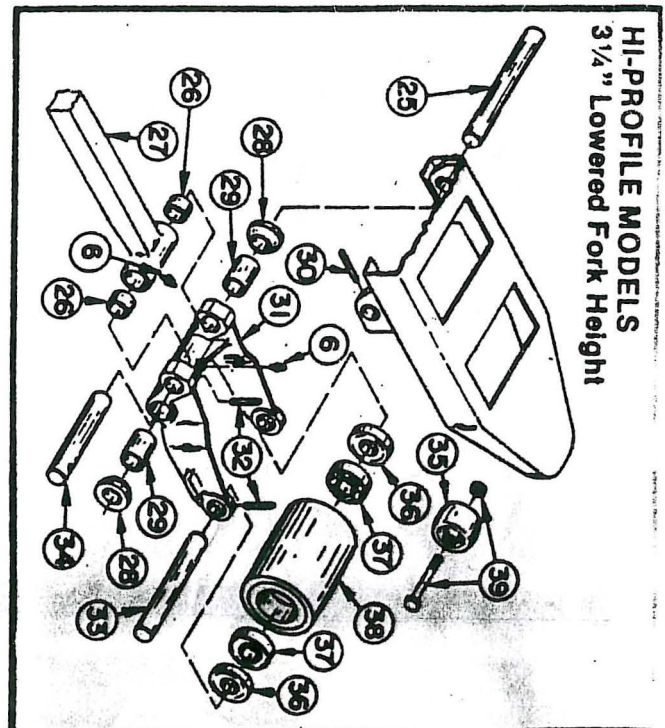
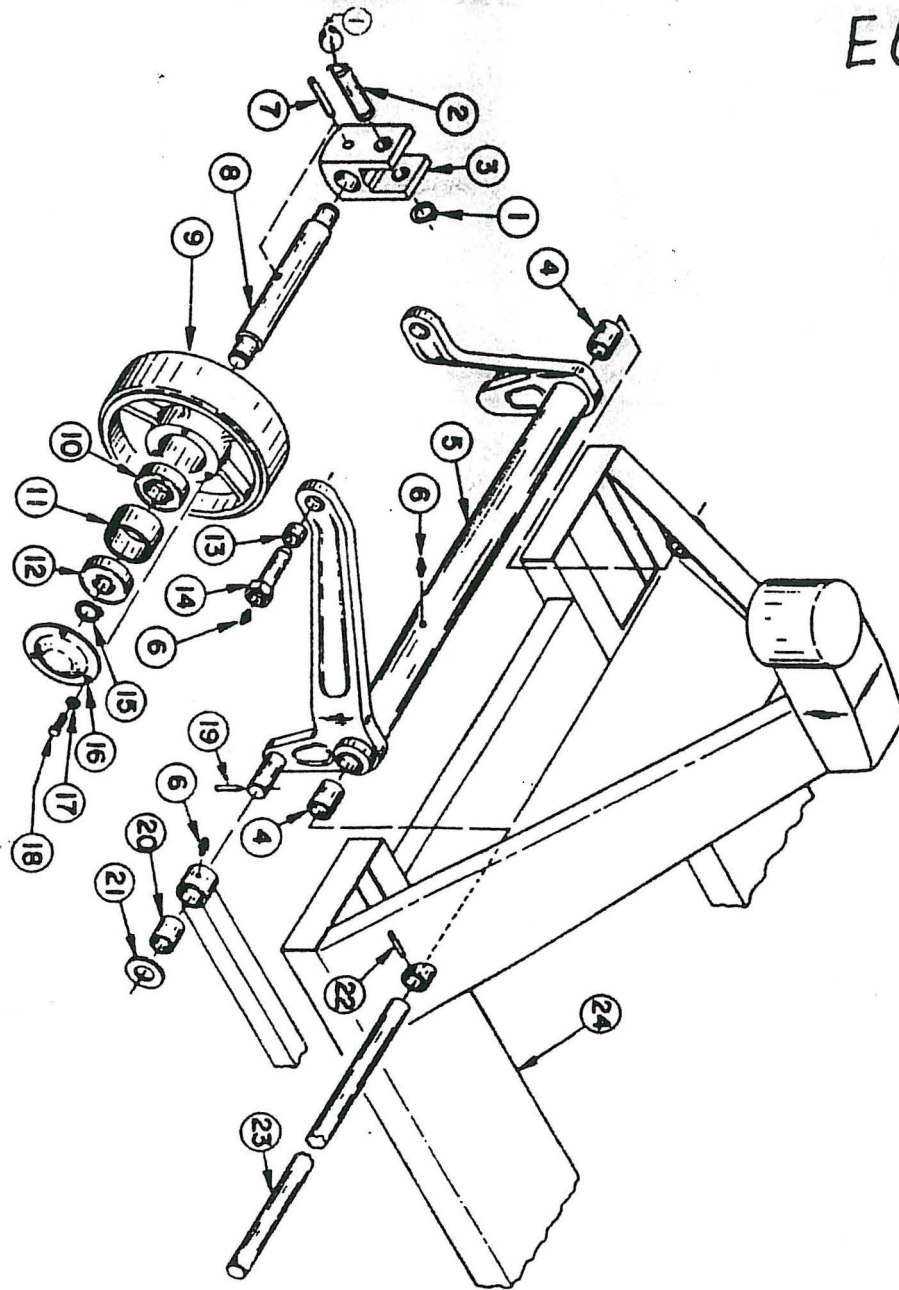


Note: Style 55-1 pump does not have removable Plugs on back of pump.

Ref. No.	Part No.	Description	Qty.
58	PAL-P58-12019	Pump Piston	1
59	PAL-P59-01012*	U Ring	1
60	PAL-P60-01013*	Dust Seal	1
61	PAL-P61-22018	Pump Cylinder	1
62	PAL-P62-01003*	O Ring	1
63	PAL-P63-01001	Steel Ball	1
64	PAL-P64-12004*	Copper Packing	2
65	PAL-P65-12002	Check Valve Plug	1
66	PAL-P66-12001*	Valve Spring	1
67	PAL-P67-12003	Valve Plug	1
68	PAL-P68-22005	Cone Valve	1
69	PAL-P69-22033*	Cone Valve Seat	1
70	PAL-P70-01048*	O Ring	1
71	PAL-P71-01029	Spring Pin	1
72	PAL-P72-13009	Lowering Pedal	1
73	PAL-P73-22006*	Back Valve Spring	1
74	PAL-P74-22008	Pressure Pin	1
75	PAL-P75-22007	Steering Bushing	1
76	PAL-P76-01039*	O Ring	1
77	PAL-P77-01011*	O Ring	1
78	PAL-P78-01030	Push Bolt	1
79	PAL-P79-01031	Lock Nut	1
80	PAL-P80-322007	Piston Rod 1 1/2" dia. (PAL-HCA-55-1)	1
	PAL-P80-322007L	Piston Rod 1 1/2" dia. (PAL-HCA-55-LP-1)	1
81	PAL-P81-03202*	Dust Seal for 1 1/2" rod (PAL-HCA-55-1)	1
	PAL-P81-03202L*	Dust Seal for 1 1/2" rod (PAL-HCA-55-LP-1)	1
82	PAL-P82-32208	Top Nut for 1 1/2" rod (PAL-HCA-55-1)	1
	PAL-P82-32208L	Top Nut 1 1/2" rod (PAL-HCA-55-LP-1)	1
83	PAL-P83-01005*	O Ring	1
84	PAL-P84-322100	Jack Body (PAL-HCA-55-1)	1
	PAL-LP84-332100	Jack Body (PAL-HCA-55-LP-1)	1
85	PAL-P85-12033*	O Ring	1
86	PAL-P86-12034	Filler Plug	1
87	PAL-P87-112001	Piston Bushing (PAL-HCA-55-1)	1
	PAL-P87-112001L	Piston Bushing (PAL-HCA-55-LP-1)	1
88	PAL-P88-09002*	U Ring	1
89	PAL-P89-12011	Retaining Washer	1
90	PAL-P90-01045*	Retaining Ring	1
91	PAL-P91-322009H	Relief Spring (PAL-HCA-55-1)	1
	PAL-P91-322009L	Relief Spring (PAL-HCA-55-LP-1)	1
92	PAL-P92-12037*	Spring	1
93	PAL-P93-01044	Steel Ball	1
94	PAL-P94-502002	Steel Ball Seat	1
95	PAL-P95-03203	Steel Ball	1
96	PAL-P96-03204*	O Ring	1
97	PAL-P97-502003*	Relief Seat	1
98	PAL-P98-12009*	Spring	1
102	PAL-P102-01041*	O Ring (PAL-HCA-55-1)	1
	PAL-PRK-U†	Pump Repair Kit	1

*Indicates Part Included in Pump Repair Kit.

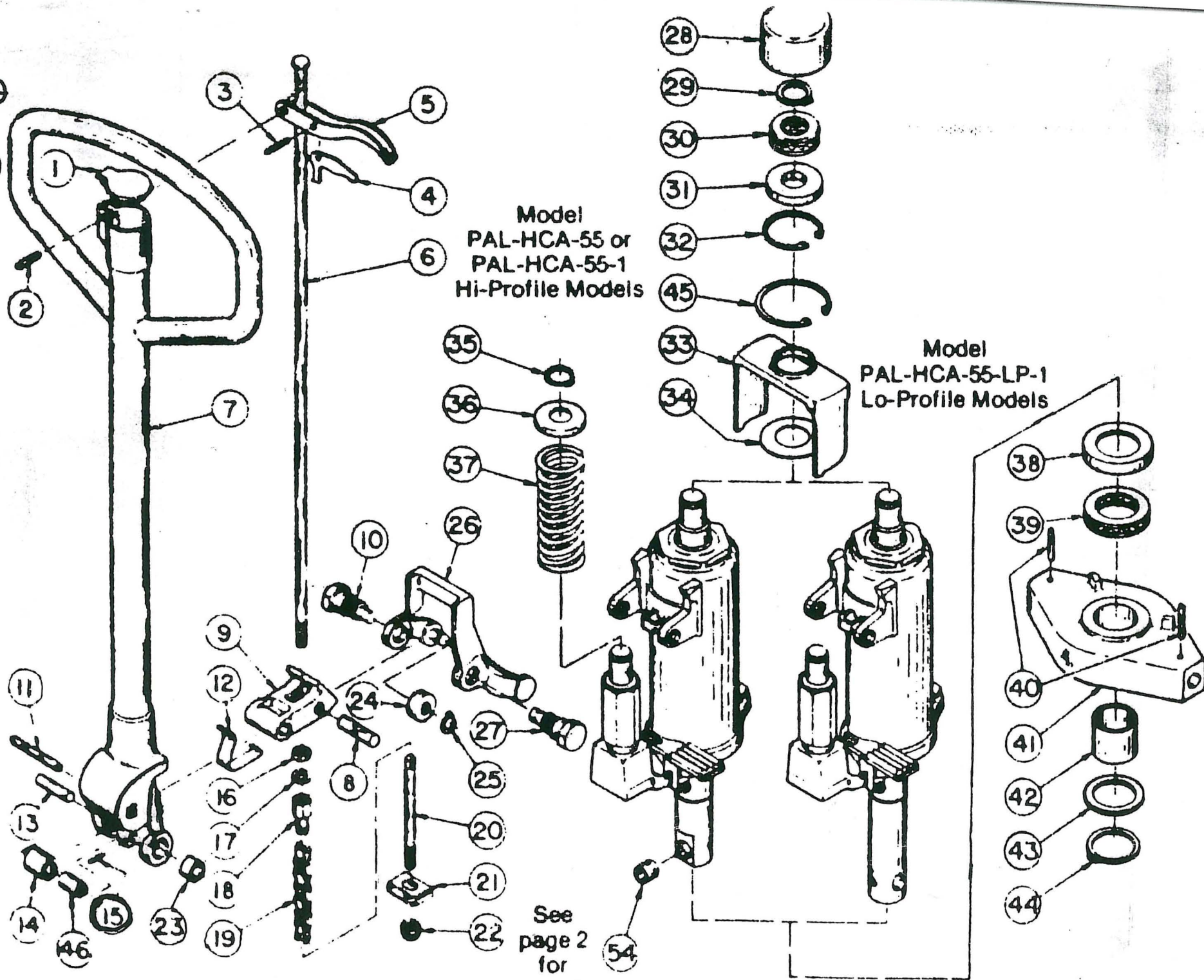
†Universal Repair Kit includes parts necessary to service either style pump.



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Diag. No.	Part No.	Description	Qty.
1	PAL-P52-03201	Retaining Ring (Hi-Profile Only)	2
2	PAL-P53-322004	Pivot Pin (Hi-Profile Only)	1
3	PAL-P103-322006	Yoke (Hi-Profile Only)	1
4	PAL-P121-11105	Bushing (Hi-Profile)	2
	PAL-LP122-11105	Bushing (Lo-Profile)	2
5	PAL-P120-51100-21	Torsion Tube (21" Wide Hi-Profile)	1
	PAL-P120-51100-27	Torsion Tube (27" Wide Hi-Profile)	1
	PAL-LP143-341200	Torsion Tube (27" Wide Lo-Profile)	1
6	PAL-P122-01036	Grease Fitting (Hi-Profile)	9
	PAL-LP125-01002	Grease Fitting (Lo-Profile)	5
7	PAL-P104-01021	Spring Pin	1
8	PAL-P55-322002	Steering Wheel Axle	1
9	PAL-P56-272026	Steering Wheel - Polyurethane	2
10	PAL-P45-01020	Ball Bearing	2
11	PAL-P46-12024	Spacer	2
12	PAL-P47-01019	Ball Bearing	2
13	PAL-P123-11104	Bushing (Hi-Profile)	2
	PAL-LP123-11104	Bushing (Lo-Profile)	2
14	PAL-P124-11009	Pivot Pin (Hi-Profile)	2
	PAL-LP124-331009	Pivot Pin (Lo-Profile)	2
15	PAL-P48-01018	Retaining Ring	2
16	PAL-P51-12023	Hub Cap	2
17	PAL-P49-01017	Lock Washer	6
18	PAL-P50-01016	Bolt	6
19	PAL-P125-01022	Spring Pin (Hi-Profile)	2
	PAL-LP128-01004	Spring Pin (Lo-Profile)	2
20	PAL-P127-11007	Bushing (Hi-Profile)	2
	PAL-LP128-11007	Bushing (Lo-Profile)	2
21	PAL-P126-01037	Washer (Hi-Profile)	2
	PAL-LP127-01003	Washer (Lo-Profile)	2
22	PAL-P125-01022	Spring Pin (Hi-Profile)	1
	PAL-LP129-01005	Spring Pin (Lo-Profile)	1
23	PAL-P146-51108-21	Axle (21" Wide Hi-Profile)	1
	PAL-P146-51108-27	Axle (27" Wide Hi-Profile)	1
	PAL-LP130-341004	Axle (27" Wide Lo-Profile)	1
24	PAL-P147-321100—	Frame Assembly (Hi-Profile)	1
	21 x 36	21" x 36"	1
	21 x 42	21" x 42"	1
	21 x 48	21" x 48"	1
	27 x 36	27" x 36"	1
	27 x 42	27" x 42"	1
	27 x 48	27" x 48"	1

Diag. No.	Part No.	Description	Qty.
	PAL-LP142-341100	Frame Assembly (Lo-Profile)	1
25	PAL-P138-11012	Axle	2
26	PAL-P129-11005	Bushing	4
27	PAL-P128-151200-36	Push Rod (36" Forks)	2
	PAL-P128-151200-42	Push Rod (42" Forks)	2
	PAL-P128-151200-48	Push Rod (48" Forks)	2
28	PAL-P133-11006	Spacer	4
29	PAL-P127-11007	Bushing	4
30	PAL-P135-01038	Spring Pin	2
31	PAL-P134-11004	Wheel Fork	2
32	PAL-P125-01022	Spring Pin	4
33	PAL-P139-11011	Wheel Axle	2
34	PAL-P130-11010	Push Rod Axle	2
35	PAL-P136-11002	Climber Wheel	2
36	PAL-P131-11013	Bearing Cap	4
37	PAL-P132-01035	Ball Bearing	4
38	PAL-P140-271003	Load Wheel - Polyurethane	2
39	PAL-P137-11001	Axle Assembly	2
40	PAL-LP137-341007	Axle	2
41	PAL-LP129-01005	Spring Pin	2
42	PAL-LP148-81005	Spacer	2
43	PAL-LP145-01008	Bushing	8
44	PAL-LP144-341300	Push Rod	2
45	PAL-LP147-01007M	Retaining Ring	4
46	PAL-LP148-341002M	Wheel Fork - Left	2
47	PAL-LP138-01008	Spring Pin	2
48	PAL-LP150-341102M	Wheel Fork - Right	2
49	PAL-LP136-341005	Wheel Axle	2
50	PAL-LP134-341003	Spacer	2
51	PAL-LP149-341006M	Wheel Fork Spacer	2
52	PAL-LP141-341008	Bearing Cap	4
53	PAL-LP140-01009	Ball Bearing	4
54	PAL-LP139-341001	Load Wheel - Steel	2
55	PAL-LP135-01007	Bolt	4
56	PAL-LP132-341006	Wheel Fork Spacer	2
57	PAL-LP131-341002	Wheel Fork - Left	
58	PAL-LP133-341102	Wheel Fork - Right	



Diag. No.	Part No.	Description	Qty.
1	PAL-P1-13023	Handle Cap	1
2	PAL-P2-01024	Spring Pin	1
3	PAL-P3-02603	Spring Pin	1
4	PAL-P4-263002	Locking Lever	1
5	PAL-P5-263001	Control Lever	1
6	PAL-P6-323001	Upper Valve Control Rod	1
7	PAL-P7-323100	Operating Handle	1
8	PAL-P8-13022	Universal Pin	1
9	PAL-P9-13004	Rapid Lift Latch	1
10	PAL-P10-23011	Handle Pivot Bolt - R. H. Thds.	1
11	PAL-P11-01028	Spring Pin	1
12	PAL-P12-13021	Latch Spring	1
13	PAL-P13-13012	Pressure Roller Axle	1
14	PAL-P14-13013	Pressure Roller	1
15	PAL-P15-01032	Spring Pin	1
16	PAL-P16-01025	Nut	1
17	PAL-P17-01034	Lock Washer	1
18	PAL-P18-13005	Control Rod End	1
19	PAL-P19-01027	Chain, with split links	1
20	PAL-P20-13007	Lower Valve Control Rod	1
21	PAL-P21-13020	Spring Clip	1
22	PAL-P22-01041	Lock Nut	1
23	PAL-P23-13019	Bushing	2
24	PAL-P24-13015	Rapid Lift Roller	2
25	PAL-P25-01033	Retaining Ring	2
26	PAL-P26-13201	Rapid Lift Crank	1
27	PAL-P27-13011	Handle Pivot Bolt - L. H. Thds.	1
28	PAL-P28-12015	Bearing Cap	1

Diag. No.	Part No.	Description	Qty.
29	PAL-P29-01007	Retaining Ring	1
30	PAL-P30-01008	Upper Thrust Bearing	1
31	PAL-P31-12032	Thrust Plate	1
32	PAL-P32-01009	Retaining Ring	1
33	PAL-P33-322009	Lifting Yoke	1
34	PAL-P34-12040	Rubber Cushion	1
35	PAL-P35-01045	Retaining Ring	1
36	PAL-P36-12030	Spring Cap	1
37	PAL-P37-322001	Pressure Spring	1
38	PAL-P38-12022	Bearing Cover (PAL Model)	1
	PLH-P101	Bearing Cover (PLH Model)	1
39	PAL-P39-01015	Thrust Bearing (PAL Model)	1
	PLH-P102	Thrust Bearing (PLH Model)	1
40	PAL-P40-01022	Spring Pin (PAL Model)	2
	PLH-P103	Spring Pin (PLH Model)	2
41	PAL-P41-322005	Trunnion (PAL Model)	1
	PLH-P104	Trunnion (PLH Model)	1
42	PAL-P42-12021	Bushing (PAL Model)	1
	PLH-P105	Bushing (PLH Model)	1
43	PAL-P43-12031	Washer (PAL Model)	1
	PLH-P107	Washer (PLH Model)	1
44	PAL-P44-01014	Retaining Ring (PAL Model)	1
	PLH-P108	Retaining Ring (PLH Model)	1
45	PAL-P148-01042	Retaining Ring (PAL Hi-Profile)	1
	PAL-LP121-01001	Retaining Ring (PAL Lo-Profile)	1
	PLH-P115	Retaining Ring (PLH Model)	1
46	PAL-P14-13014	Bushing	1
54	PAL-P54-322003	Bushing (PAL Hi-Profile)	1

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