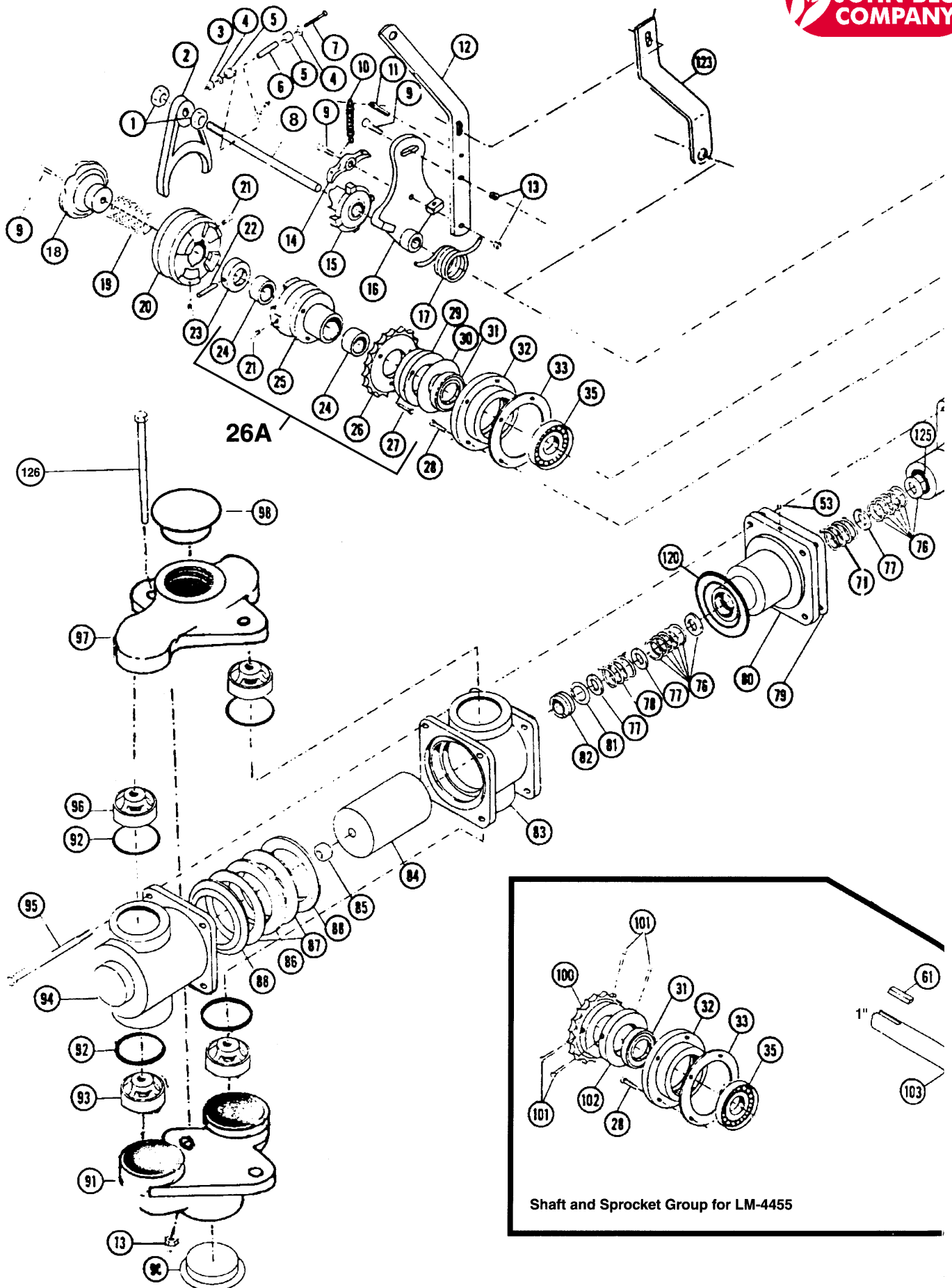
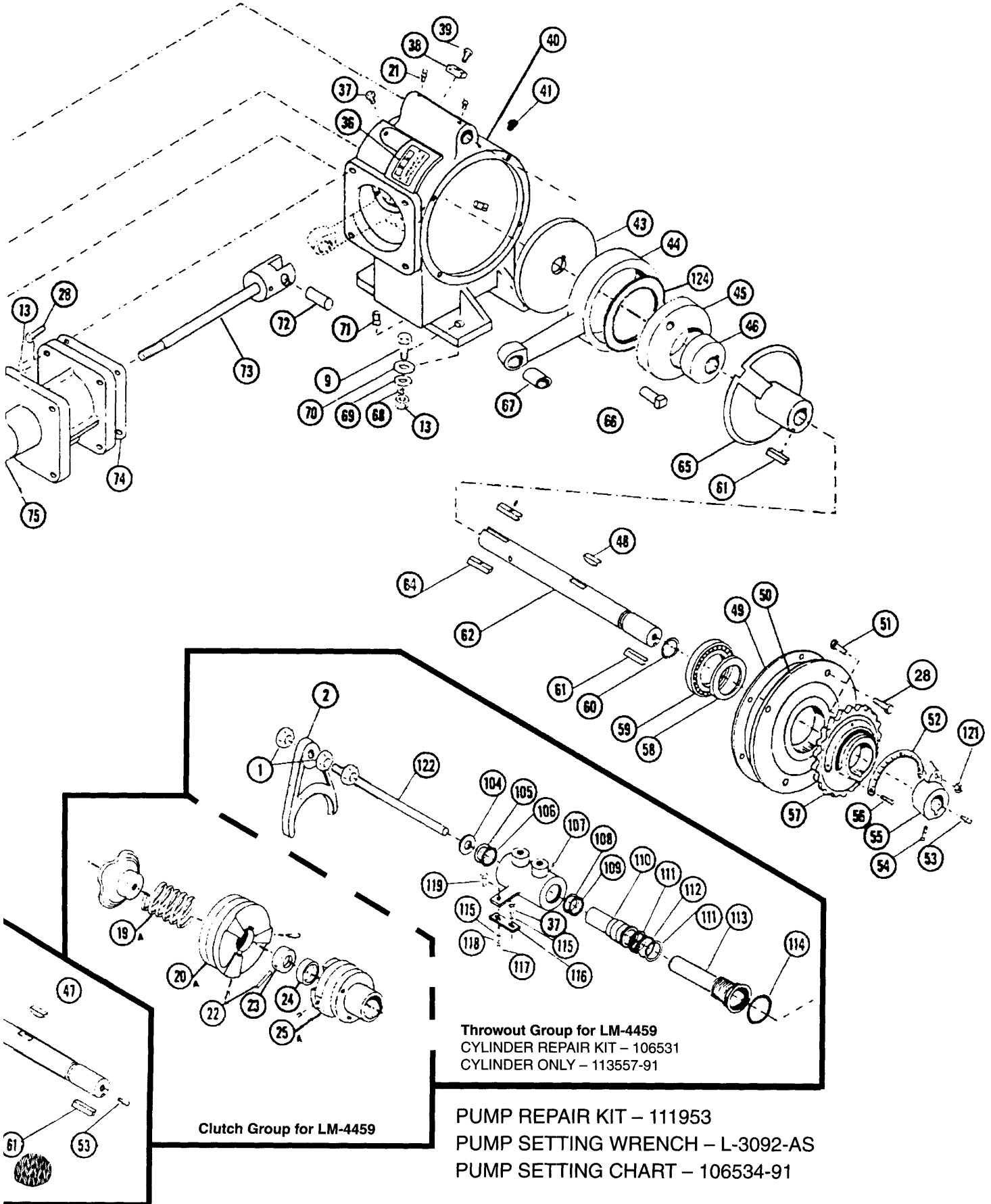


Series LM-4450 Metering Pumps



Series LM-4450 Metering Pumps



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LM - 4450 SERIES							LM - 4450 SERIES						
REF. NO.	PART NO.	ITEM DESCRIPTION	4450 QTY.	4455 QTY.	4459 QTY.		REF. NO.	PART NO.	ITEM DESCRIPTION	4450 QTY.	4455 QTY.	4459 QTY.	
1	92037	5/8" JAM NUT	2	0	2		*60	L-1022	CRANKSHAFT O'RING	1	1	1	
2	113628-01	THROW-OUT YOKE	1	0	1		61	L-1020	SETTING ARM KEY	2	3	2	
3	92014	#10 SQUARE NUT	1	0	0		62	L-4012	CRANKSHAFT	1	0	1	
4	A-697	WASHER	2	0	0		64	A-261	SQUARE KEY	2	0	2	
5	A-2762	CAM ROLLER	2	0	0		65	L-3056	STROKE LOCATING SLV.	1	1	1	
6	A-2763	ROLL PIN	1	0	0		66	L-3004	ECCENTRIC PIN	1	1	1	
7	90953	2 1/4 RD HD SCREW	1	0	0		*67	113588-01	CONNECTOR ROD BUSHING	1	1	1	
8	L-4011	THROW-OUT ROD	1	0	1		68	93024	3/8 LOCK WASHER	4	4	4	
9	90655	3/8 X 1 1/2 HEX BOLT	6	4	5		69	93011	3/8 FLAT WASHER	4	4	4	
10	F-48	THROW-OUT LEVER SPRING	1	0	0		70	A-147	LEG MOUNTING PAD	4	4	4	
11	94010	5/32 X 1 COTTER PIN	1	0	0		71	C-431-B	PLUG	3	3	3	
12	L-3064	THROW-OUT LEVER	1	0	0		72	105895-01	CROSSHEAD PIN	1	1	1	
13	92024	3/8 HEX NUT	10	8	8		73	105900-91	PISTON ROD ASSEMBLY	1	1	1	
14	A-2758-A	PAWL	1	0	0		*74	L-3052	CROSSHEAD GDE. GASKET	1	1	1	
15	A-2757-A	THROW-OUT CAM	1	0	0		75	111935-01	CROSSHEAD GUIDE	1	1	1	
16	L-3007	THROW-OUT BRACKET	1	0	0		*76	L-1109	ROD VEE PACKING SET	2	2	2	
17	114165-01	R H TORSION SPRING	1	0	1		77	L-1041	WASHER	3	3	3	
18	A-50	HANDWHEEL	1	0	1		78	L-1063	PACKING SPRING	2	2	2	
19	HA-57	SAFETY CLUTCH SPRING	1	0	0		*79	L-3074	STUFFING BOX GASKET	1	1	1	
19A	108907-01	SAFETY CLUTCH SPRING	0	0	1		80	111937-01	OUTBOARD STUFFING BOX	1	1	1	
20	A-260	CLUTCH	1	0	0		81	L-1042	RETAINING RING	1	1	1	
20A	108905-91	CLUTCH	0	0	1		82	L-1031-2	STUFFING BOX INSERT	1	1	1	
21	H-28	GREASE FITTING	5	2	5		83	111938-01	INBOARD CYLINDER	1	1	1	
22	L-4249	DRIVE PIN	1	0	1		84	112816-91	PISTON PLUNGER AS'MBLY	1	1	1	
23	105373-01	CLUTCH COLLAR	1	0	1		85	L-1047	SELF-LOCKING NUT	1	1	1	
24	A-116	OILITE BUSHING	2	0	2		86	L-1044-A	FLANGE PACKING WASHER	1	1	1	
25	L-4008-A	CARRIER	1	0	0		*87	L-1098	PACKING ADJ. GASKET	2	2	2	
25A	108906-01	CARRIER	0	0	1		*88	L-1045-V	FLANGE PLUNGER PACKING	2	2	2	
26	L-4006	16T SPROCKET (OR)					90	L-3115	1/2 PLASTIC PLUG	1	1	1	
	L-4007	18T SPROCKET	1	0	1		91	111945-01	SUCTION MANIFOLD	1	1	1	
26A	L-4004	16T SPROCKET ASSEMBLY (OR)					*92	A-2848	VALVE O'RING	4	4	4	
	L-4005	18T SPROCKET ASSEMBLY	1	0	0		93	109112-92	SUCTION VALVE ASSEMBLY	2	2	2	
27	90993	1/4 X 1 1/2 BOLT	3	0	3		94	111940-01	OUTBOARD CYLINDER	1	1	1	
28	90637	5/16 X 1 HEX BOLT	12	12	12		95	91051	3/8 X 8 HEX BOLT	4	4	4	
29	L-4009	RETAINING COLLAR	1	0	1		96	109113-92	DISCHARGE VALVE AS'MBLY	2	2	2	
*30	110155-01	WASHER	1	1	1		97	111944-01	DISCHARGE MANIFOLD	1	1	1	
*31	L-1018	OIL SEAL	1	1	1		98	C-3517	PLASTIC PLUG	1	1	1	
32	L-3023	BEARING HOUSING	1	1	1		100	106532-01	SPROCKET	0	1	0	
*33	L-3021	BEARING HOUSING GASKET	1	1	1		101	90986	3/8 X 5/8 SCREW	0	4	0	
35	L-3019	CRANKSHAFT BEARING	1	1	1		102	110147-01	SPACER	0	1	0	
36	113655-01	NAME PLATE	1	1	1		103	103453-02	CRANKSHAFT	0	1	0	
37	90634	5/16 X 1/2 HEX BOLT	1	2	1		104	93016	SAE FLAT WASHER	0	0	1	
38	L-4014	SPRING ANCHOR	1	0	0		105	105448-01	BACK-UP-RING	0	0	1	
39	90636	5/16 X 3/4 HEX BOLT	1	0	1		106	A-3776	O'RING	0	0	1	
40	113632-01	CRANKCASE ASSEMBLY	1	1	1		107	105447-01	BODY	0	0	1	
41	S-350	VENT PLUG	1	1	1		108	105452-01	BACK-UP-RING	0	0	1	
43	L-3020	CRANKSHAFT DISC	1	1	1		109	105461-01	PISTON ROD O'RING	0	0	1	
44	113645-91	CONNECTING ROD	1	1	1		110	105449-01	PISTON	0	0	1	
45	113633-01	LARGE ECCENTRIC	1	1	1		111	105462-01	BACK-UP-RING	0	0	2	
46	L-3017	SMALL ECCENTRIC	1	1	1		112	A-2849	O'RING	0	0	1	
48	A-4333	#808 WOODRUFF KEY	1	1	1		113	105463-01	CYLINDER	0	0	1	
*49	L-3002	COVER PLATE GASKET	1	1	1		114	105500-01	BODY O'RING	0	0	1	
50	L-3001	COVER PLATE	1	1	1		115	93010	5/16 FLAT WASHER	0	0	2	
51	91017	3/8 X 1 3/4 SQ. HEAD BOLT	1	1	1		116	105501-01	STRAP	0	0	2	
52	114763-01	PUMP SETTING SCALE	1	1	1		117	92020	5/16 HEX NUT	0	0	2	
53	H-30	GREASE FITTING	2	2	2		118	93023	5/16 LOCK WASHER	0	0	4	
54	90532	5/16 X 3/8 SET SCREW	3	3	3		119	90635	HEX HEAD BOLT	0	0	1	
55	105933-91	STROKE SETTING ARM	1	1	1		*120	L-3035	GASKET	2	2	2	
56	A-368	SETTING SCALE SCREW	3	3	3		121	A-3097	3/8 LOCK NUT	1	1	1	
57	105932-91	STROKE SETTING FLANGE	1	1	1		122	114705-91	ROD THROW-OUT ASSEMBLY	0	0	1	
*58	L-1021	OIL SEAL	1	1	1		123	L-4025	SUPPORT HANDLE	1	0	0	
59	L-1007-A	CRANKSHAFT BEARING	1	1	1		124	113629-01	BEARING, CRANK PIN	1	1	1	
							*125	111943-01	O'RING	1	1	1	
							126	91063	BOLT 3/8 X 8 1/2	2	2	2	

ALL DESIGNS SUBJECT TO CHANGE WITHOUT NOTICE
 *INDICATES PARTS CONTAINED IN 111953 REPAIR KIT.