MODEL 100 LIFT SYSTEMS

MODEL 100

MODEL 101

MODEL 101P

Maintenance Guide

Parts List

Operating Instructions

Warranty Information

MODELS 100, 101 & 101P

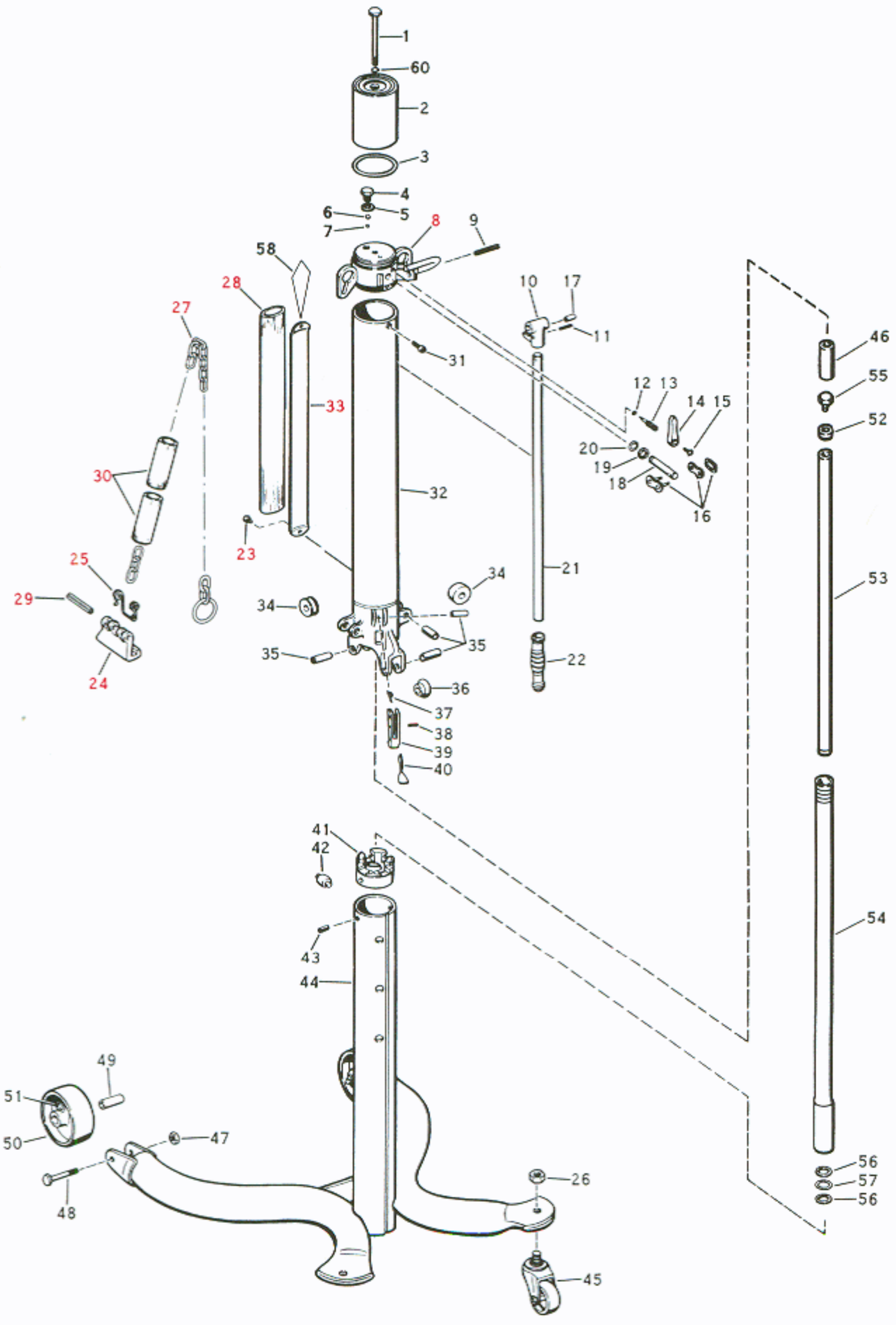
Built to LAST

Milwaukee

HYDRAULIC PRODUCTS CORPORATION

MILWAUKEE, WISCONSIN U.S.A.

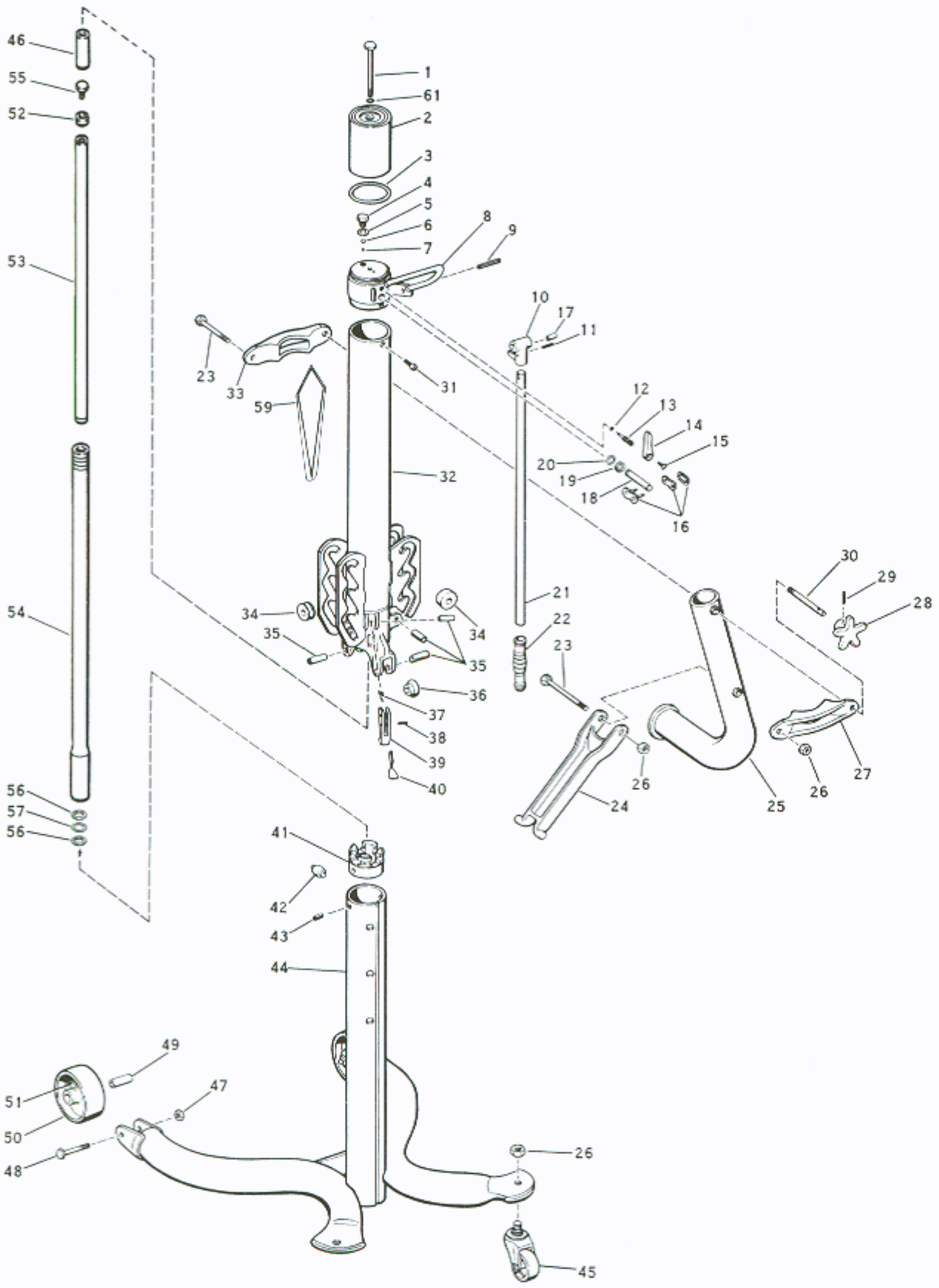
MODEL 101 AND 101P PARTS LIST



Ref. No.	Part No.	Description	No. Req'd.
1	1552	Cover Screw 5/16" x 4-1/4"	1
2	3541	Reservoir	1
3*	1558	O-Ring 3"	1
4	3009	Valve Plug	1
5*	1587	Valve Plug Washer	1
6*	2270	Check Ball 3/8"	1
7*	2269	Check Ball 1/4"	1
8	3611	Pump Body Weldment	1
	3531	Pump Body Weldment	1
9	1549	Lever Pin 3/8" x 2-1/4"	1
10	1545	Handle Lever	1
11	4075	Spring Pin 5/32" x 1"	1
12*	2675	O-Ring 3/16"	1
13	1508	Release Needle	1
14	1561	Release Lever	1
15	1562	Screw No. 10-24 x 1/2"	1
16	1553	Link Assembly	1
17	1581	Bushing	1
18	1509	Pump Piston	1
19*	1555	Back Up Washer 1/2"	1
20*	2280	O-Ring 1/2"	1
21	1517	Handle	1
22	1560	Handle Grip	1
23	3632	Screw No. 10-24 x 1/4"	2
24	3601	Hook	2
25	3602	Spring	2
26	1563	Lock Nut 1/2" - 13	2
27	3603	Chain	2
28	3605	Rubber Tube	1
29	3604	Roll Pin 3/8" x 3"	2
30	3606	Rubber Tube	4
31	3544	Set Screw 5/16" - 18 x 1/2"	1
32	3613	Outer Tube Weldment	1
33	3607	Insert	1
34	3532	Lower Roller	3
35	1548	Roll Pin 1/2" x 1-1/2"	5
36	3510	Guide Roller	1
37	2516	Stop Spring	1
38	1671	Roll Pin 5/32" x 11/16"	1
39	2514	Stop Pawl	1
40	2515	Safety Stop Lever	1
41	3504	Roller Cage	1
42	3505	Upper Roller	4
43	3509	Cage Pin 1/4" x 5/8"	2
44	3542	Base Weldment	1
45	1583	Caster Wheel Assembly	2
46	3550	Spacer	1
47	3529	Lock Nut 3/8" - 24	2
48	3528	Bolt 3/8" - 24 x 2-5/16"	2
49	3527	Wheel Bushing	2
50	3524	Wheel Assembly	2
51	1594	Grease Fitting	2
52	3560	Washer	1
53	3556	Ram Piston	1
54	3559	Ram Cylinder and Cap Weld	1
55	3561	Screw 1/2" - 20 x 3/4"	1
56*	1556	Back Up Washer 7/8"	2
57*	3563	O-Ring 7/8"	1
60*	1527	Copper Washer	1
*	M100KT	Repair Kit	1

NOTE: Model 101 only parts highlighted in red.

MODEL 100 PARTS LIST



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15	1562	Screw	1
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17	1581	Bushing	1
18	1509	Pump Piston	1
19*	1555	Back Up Washer 1/2"	1
20*	2280	O-Ring 1/2"	1
21	1517	Handle	1
22	1560	Handle Grip	1
23	3565	Cap Screw	3
24	3539	Arm Brace	2
25	3540	Lifting Arms	2
26	1563	Lock Nut	5
27	3511	Clamp Half - Rear	1
28	1546	Clamp Knob	1
29	1584	Roll Pin	1
30	3518	Clamp Screw	1
31	3544	Screw	1
32	3546	Outer Tube Weldment	1
33	3512	Clamp Half - Front	1
34	3532	Lower Roller	3
35	1548	Roll Pin	5
36	3510	Guide Roller	1
37	2516	Stop Spring	1
38	1671	Roll Pin 5/32" x 11/16"	1
39	2514	Stop Pawl	1
40	2515	Safety Stop Lever	1
41	3504	Roller Cage	1
42	3505	Upper Roller	4
43	3509	Cage Pin	2
44	3542	Base Weldment	1
45	1583	Caster Wheel Assembly	2
46	3550	Spacer	1
47	3529	Lock Nut	2
48	3528	Bolt	2
49	3527	Wheel Bushing	2
50	3524	Wheel Assembly	2
51	1594	Grease Fitting	2
52	3560	Washer	1
53	3556	Ram Piston	1
54	3559	Ram Cylinder and Cap Weld	1
55	3561	Screw 1/2" - 20 x 3/4"	1
56*	1556	Back Up Washer 7/8"	2
57*	3563	O-Ring 7/8"	1
59	3520	Decal	1
60*	1527	Copper Washer	1
*	M100KT	Repair Kit	1

* Contents of M100KT Repair Kit.

MODEL 100, 101 AND 101P LIFT SYSTEMS

MAINTENANCE INSTRUCTIONS

1. LUBRICATION: External parts of Lift, PUMP HANDLE (21), LINK ASSEMBLY (16), MODEL 100 ONLY, CLAMP, Part No. 3511, SAFETY STOP (40), UPPER ROLLER (42) and all other bearing surfaces should be lubricated regularly with SAE 30 Oil to insure maximum performance (remove hydraulic power unit No. 1100/1101 for access). The FRONT WHEELS (50) should be greased and CASTER WHEELS (45) oiled frequently to provide smooth, easy maneuverability of Lift.

2. HOW TO ADD HYDRAULIC OIL: The need for additional oil is indicated when Lift does not raise to its full height. To add, lower Lift fully. Extreme care should be taken to thoroughly clean top of Lift and around COVER SCREW (1). Remove COVER SCREW (1) from top of RESERVOIR CASE (2), along with COPPER WASHER (60). CAUTION: Do not remove RESERVOIR CASE (2). Do not allow dirt to enter reservoir. Fill to top with clean hydraulic Oil. The filler hole is designed to receive the correct amount of oil when it reaches the top of the hole. Replace COVER SCREW (1) with COPPER WASHER (60) under the head and tighten securely.

3. HOW TO REMOVE HYDRAULIC UNIT NO. 1100/1101: Open RELEASE LEVER (14) and lower Lift. Close release and remove LOCK SCREW (31). Unscrew Unit No. 1100/1101 by turning with HANDLE LOOP (8) in a counterclockwise direction. MODEL 101 ONLY, remove chains and hooks by first opening the large ring at the end of each chain, then pull the chain through the slotted lugs. NOTE: Tap OUTER TUBE ASSEMBLY (32) just below Pump if necessary to break loose.

4. HOW TO REPLACE HYDRAULIC UNIT NO. 1100/1101: Insert No. 1100/1101 Hydraulic Unit into Lift and open RELEASE LEVER (14). Screw Hydraulic Unit to location so 3/16" threaded hole matches 5/16" hole in OUTER TUBE ASSEMBLY (32). Insert LOCK SCREW (31) using 5/32" hex key wrench and tighten securely.

5. To replace chains on unit (MODEL 101 ONLY): Open and remove large rings from chains. Pull chains through lugs and replace large ring.

SERVICE FACILITIES

While your MILWAUKEE Model 100, 101 and 101P is designed and constructed to render long and dependable service, it may eventually require attention. Service is available through your Authorized Service Depot, your Local Distributor, or the Factory. It is recommended that you do not tamper with the internal mechanism of this Lift. Unwarranted damage may result. Factory tested Hydraulic Exchange Units are readily available, economical to exchange and simple to install.

WARRANTY

Milwaukee Hydraulic Products warrants products purchased hereunder to be free of defects in material and workmanship for a period of one (1) year from date of delivery to user. This warranty shall not apply in the event products are damaged as a result of misuse, abuse, neglect, accident, improper application, modification or repair by persons not authorized by Milwaukee Hydraulic Products, where products are damaged during shipment, or where the serial numbers on the products have been defaced, modified or removed.

Milwaukee Hydraulics Commitment To Customers

To assure our customers receive the highest quality, great care is exercised in the design of our products; skilled personnel maintain exacting specifications throughout manufacturing; and trained inspectors continuously check and test components.

Milwaukee Jacks are Built to Last.

Milwaukee HYDRAULIC PRODUCTS CORPORATION

MILWAUKEE, WISCONSIN U.S.A.

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