

Milwaukee

MODEL 3000

UNIVERSAL

Trans-Lift

OPERATING INSTRUCTIONS

PARTS LIST

MAINTENANCE GUIDE

OPERATING INSTRUCTIONS

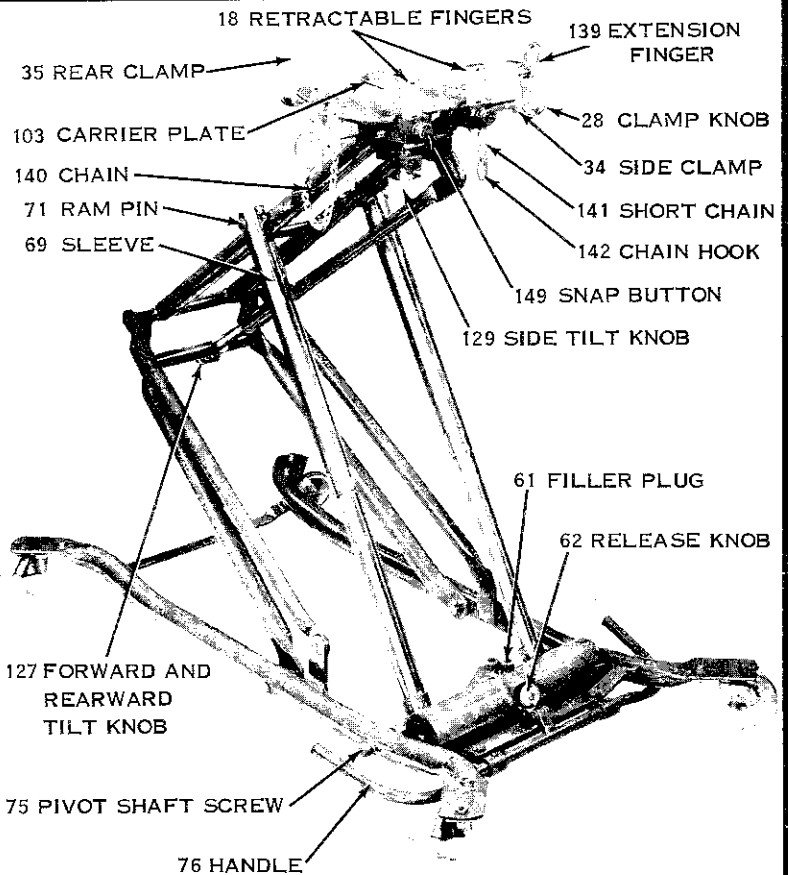
1. TO RAISE JACK: Close release by turning knob 62 in a clockwise direction with finger-tip pressure, then pump with handle 76.

2. TO LOWER JACK: Open release SLOWLY by turning knob 62 in a counter-clockwise direction. Keep release closed when not in use.

3. TO TILT CARRIER PLATE FORWARD OR REARWARD: Turn tilt knob 127 clockwise for forward tilt and counter-clockwise for rearward tilt. A 1/2" square driver hole has been provided in the tilt knob to permit application of a speeder wrench if desired.

4. TO TILT CARRIER PLATE SIDWAYS: Turn the side tilt knob 129 clockwise or counter-clockwise, which will tilt the carrier plate 103 to one side or the other. A 1/2" square driver hole has been provided in the side tilt knob to permit application of a speeder wrench if desired.

5. TO CLAMP TRANSMISSION: Side Clamps 34, rear clamp 35, and front retractable fingers 18, form a box for holding the transmission pan. Side and rear clamps may be adjusted in or out by turning clamp knob 28. Retractable fingers may be fully raised, partially raised, or fully lowered, as required, by releasing Snap Button 149. Chain 140 should be placed over transmission for safety, and latched thru chain hook 142 attached to



short chain 141 on opposite side of carrier plate 103. Extension fingers 139 are used for Power Glide only. See Photo #1, Page 4.

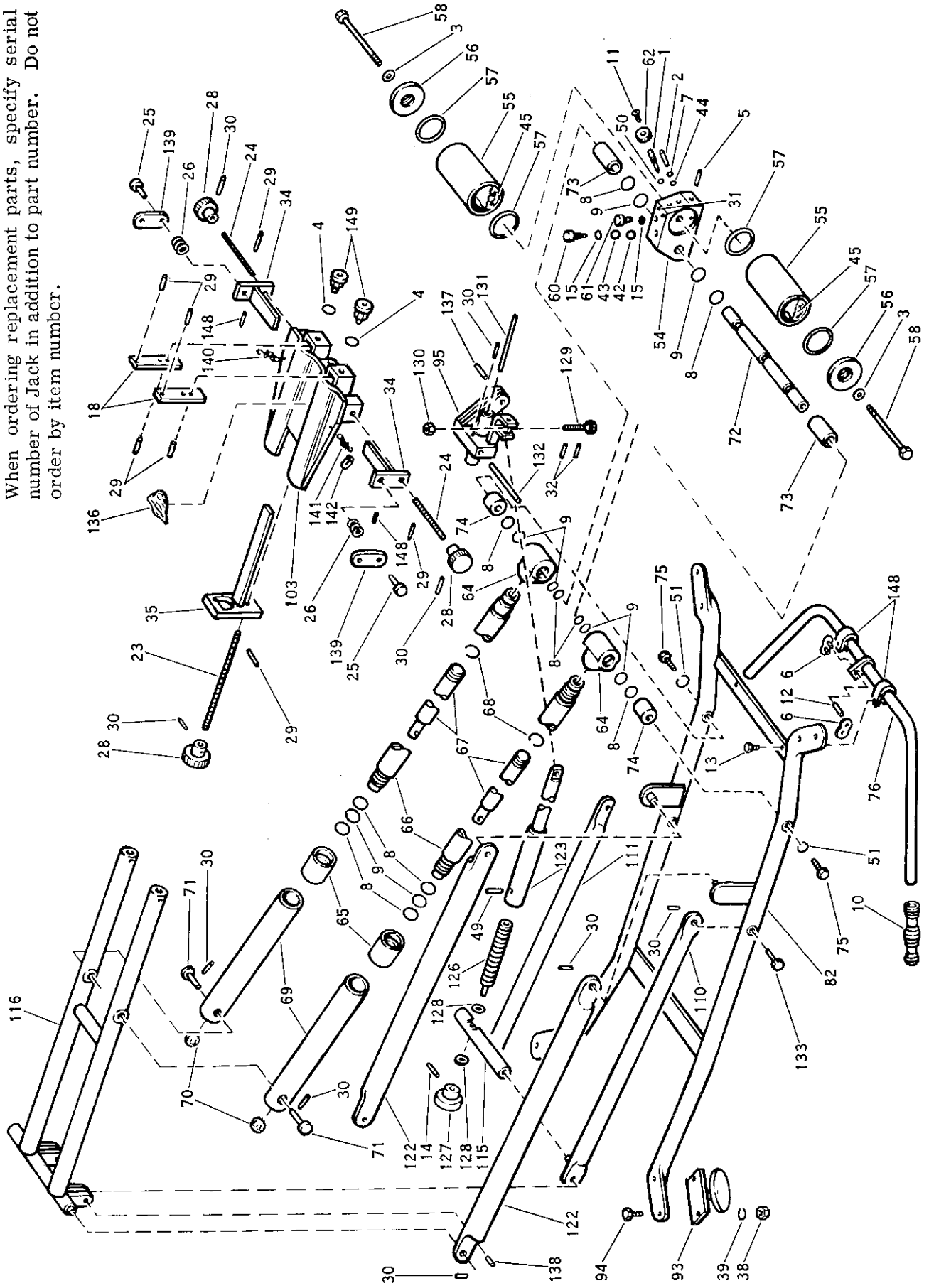
6. TO RAISE JACK WITHOUT PUMPING: Close release by turning knob 62 in a clockwise direction with finger-tip pressure, then lift carrier plate 103 by hand to desired height and hold for a few seconds, then release.

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HYDRAULIC PRODUCTS CORPORATION

MILWAUKEE 14, WISCONSIN, U. S. A.

When ordering replacement parts, specify serial number of Jack in addition to part number. Do not order by item number.



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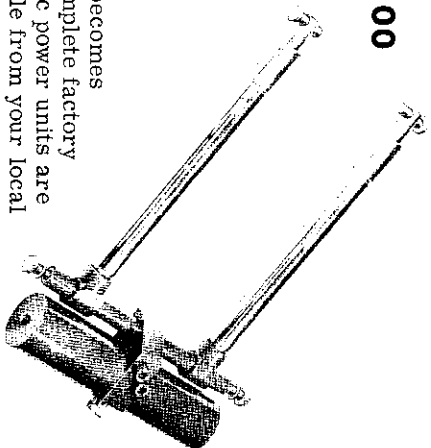
PARTS LIST

MODEL 3000

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D	REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	1508	Release Needle	1	62	3010	Release Knob	1
2	1509	Pump Piston	1	64	3014	Ram Base	2
3	1527	Copper Washer	2	65	3015	Ram Cap	2
4	1536	Washer	2	66	3016	Ram Cylinder	2
5	1550	Roll Pin 1/4 x 3/4	1	67	3017	Ram Piston	2
6	1553	Link Assembly	1	68	3018	Snap Ring	2
7	1555	Back Up Washer 1/2"	1	69	3019	Sleeve	2
8	1556	Back Up Washer 7/8"	10	70	3020	Plug Button	2
9	1557	O-Ring 7/8"	8	71	3021	Ram Pin	2
10	1560	Handle Grip	2	72	3023	Pivot Shaft	1
11	1562	Screw #10-24 x 1/2"	1	73	3024	Spacer, Long	1
12	1581	Bushing	1	74	3025	Spacer, Short	2
13	1582	Screw 1/4-20 x 5/8"	1	75	3026	Cap Screw 1/2-20 x 2-1/4"	2
14	1584	Roll Pin 3/16 x 1"	2	76	3027	Handle Assembly	1
15	1587	Copper Washer	2	82	3035	Frame Weldment	1
18	1644	Retractable Finger	2	93	3047	Caster Wheel	4
23	1657	Clamp Screw	1	94	3048	Screw 5/16-18 x 3/4"	8
24	1658	Clamp Screw, Short	2	95	3050	Pivot Weldment	1
25	1660	Headed Pin	2	103	3060	Carrier Weldment	1
26	1664	Spacer Spring	2	110	3068	Lower Arm Weld. - R. H.	1
28	1669	Clamp Knob	3	111	3069	Lower Arm Weld. - L. H.	1
29	1670	Roll Pin 5/32 x 1/2"	7	115	3073	Tilt Anchor Bar	1
30	1671	Roll Pin 5/32 x 11/16"	12	116	3076	Upper Arm Weldment	1
31	1675	Drive Screw	2	122	3084	Outer Arm	2
32	1676	Roll Pin 3/32 x 11/16"	2	123	3087	Tilt Bar Weldment	1
34	1687	Clamp Weld Assembly	1	126	3090	Tilt Bar Screw	1
35	1688	Clamp Weld Assembly	2	127	3091	Tilt Bar Knob	1
38	1714	Nut	8	128	3092	Washer	2
39	1715	Washer	8	129	3094	Side Tilt Screw	1
42	2269	Check Ball 1/4"	1	130	3095	Castle Nut	1
43	2270	Check Ball 3/8"	1	131	3096	Side Tilt Shaft	1
44	2280	O-Ring 1/2"	1	132	3097	Carrier Shaft	1
45	2300	Hydraulic Oil	1/6 Gal.	133	3098	Clevis Pin	1
49	2664	Roll Pin 3/16 x 1/2"	1	136	3102	Decal	2
50	2675	O-Ring 3/16"	1	137	3104	Roll Pin 3/8 x 1"	1
51	2699	Lock Washer	2	138	3105	Roll Pin 1/2 x 15/16"	2
54	3002	Pump Body	1	139	3107	Extension Finger	2
55	3003	Reservoir Tube	2	140	3108	Chain	1
56	3004	Reservoir Cap	2	141	3109	Chain Connector	1
57	3005	O-Ring 2-3/8"	4	142	3110	Chain Hook	1
58	3006	Cap Screw	2	148	4075	Roll Pin 5/32 x 1"	4
60	3008	Valve Plug	1	149	4191	Snap Button Assembly	2
61	3009	Filler Plug	1				

HYDRAULIC EXCHANGE UNIT

MODEL 3100



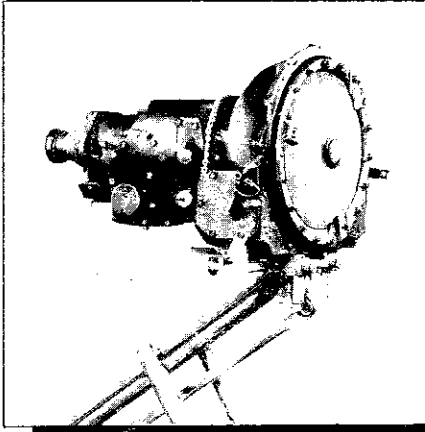
When service becomes necessary, complete factory tested hydraulic power units are readily available from your local distributor, Service Station or factory.

These units are economical to exchange and simple to install. See Page 4, Paragraph 4 and 5 for instructions.

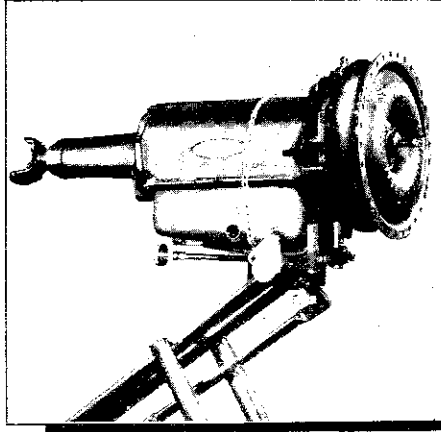
MILWAUKEE GUARANTEE

MILWAUKEE products are guaranteed against defects in material and workmanship for one year from date of delivery to user, except Model 515 and 5000 series Hand Jacks, which carry the standard 90-day guarantee. Defective Jacks or parts thereof will be repaired or replaced, at the option of the manufacturer, during the guarantee period, if returned to the factory or nearest Authorized Service Depot, with transportation charges Prepaid. A complete explanation of the defect and proof of purchase date must accompany the Jack. This warranty does not apply to Jacks or parts thereof damaged by brake fluid, tampering, abuse, overload or accident, nor does it apply to any product which has been altered or used with special attachments other than those recommended by the manufacturer.

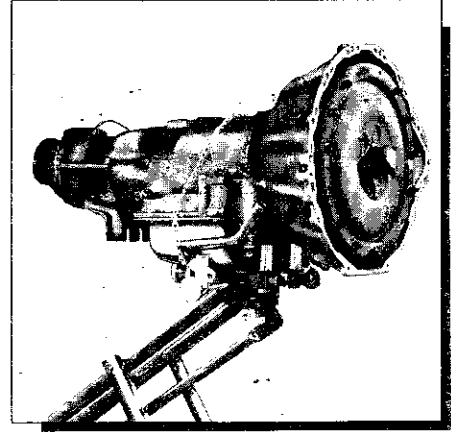
BASIC APPLICATIONS



POWERGLIDE



HYDRAMATIC



DYNAFLOW

POWER GLIDE: Remove 2 cap screws on either side of transmission. Fully lower retractable fingers 18. Fully extend side clamps 34. Extend rear clamp 35 about 1". Jack carrier plate 103 to Transmission Pan. Raise both extension fingers 139 and bolt to transmission. Secure chain 140. Tighten rear clamp, must telescope cap screw on 1949 thru 1953 models. Remove.

HYDRAMATIC: Fully raise retractable fingers 18. Extend side clamps 34 about 1/2", fully extend rear clamp 35. Jack carrier plate to transmission pan. Secure Chain 140, clamp and remove. For Jetaway, fully extend side clamps.

DYNAFLOW: Fully raise retractable finger 18. Fully extend side clamps 34. Extend rear clamp 35 about 1-1/2". Jack carrier plate 103 to transmission pan. Secure chain 140, clamp and remove. For Flight Pitch, partially raise retractable fingers, turn Transmission Jack 180° and follow instructions above.

ALL OTHERS: Clamping procedures for all other types of automatic transmissions will fall into either the Hydramatic or DynafLOW class.

MAINTENANCE INSTRUCTIONS

1. **LUBRICATION:** Pump handle bearings, linkage, wheels, clamp and tilt screws, snap buttons and all other bearing surfaces should be lubricated occasionally with SAE 30 oil to insure maximum performance.

2. **HOW TO ADD HYDRAULIC OIL:** The need of additional oil is indicated when the Jack does not rise to full height. To add, lower Jack fully. Extreme care should be taken to thoroughly clean filler plug area. Remove filler plug as indicated by arrow on pump nameplate. Oil container and funnel should also be thoroughly cleaned. Fill to top with No. 2300 MILWAUKEE Jack Oil. Replace filler plug with copper washer under head, tighten securely, and bleed as per paragraph 3.

CAUTION: Do not use Hydraulic Brake Fluid. It gums seals and checks valves.

3. **HOW TO BLEED AIR:** Air is indicated in the hydraulic system when Jack does not rise on first stroke of pump handle. To bleed, close release valve and pump Jack half way up. Raise pump end of Jack to vertical position. Open release valve and push carrier plate to lowest position. Return Jack to horizontal position, close release valve and repeat procedure. It is recommended that Jack be retained in horizontal position, with release closed, to eliminate necessity of bleeding.

4. **HOW TO REMOVE HYDRAULIC UNIT:** With Jack fully lowered, remove two 5/32" diameter roll pins which secure ram pins 71, then remove ram pins. Disconnect link at pump piston. Remove two pivot shaft screws 75. Retain ram piston sleeves 69. Return ram pins, short sleeves, pivot screws and pump for repair or exchange.

NOTE: Tape or wire ram cylinders together securely to keep them from sliding apart, and losing oil during shipment.

5. **HOW TO REPLACE HYDRAULIC UNIT:** Place hydraulic unit in frame. Pivot shaft and ram piston sleeves must be in place. Roll pin in end of pump must enter hole in frame cross member. Replace two pivot shaft cap screws 75 and two ram pins 71, securing with two 5/32" diameter roll pins. (Remove tape holding pump piston in pump and connect link.) Bleed as per instructions in paragraph 3.

6. **SERVICE FACILITIES:** While your MILWAUKEE Universal Trans-Lift is designed and constructed to render long and dependable service, it may eventually require attention. Service is available through your local distributor, Authorized Service Stations, as listed on the back cover of our catalog, or the factory. It is recommended that you do not tamper with the internal mechanism of the Jack. Unwarranted damage may result. Factory-tested hydraulic exchange units are readily available, economical to exchange and simple to install.