

Maxx-Mini Lift MML-15 Service Manual



LIFT PRODUCTS INC
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262-521-5720 FAX 262-521-5725
Toll Free 877-543-8776

Model: MML-15

S/N _____
Customer _____

LIFT PRODUCTS, INC.

LIFT PRODUCTS, INC.

REGISTRATION INFORMATION

(To validate your warranty and receive updated service bulletins, please complete this form)

Date _____ Model No. _____

How did you first hear of Lift Products?

____ Magazine Ad (Specify which magazine) _____
____ Recommended by a dealer (Name of Dealer) _____
____ Received information in the mail _____
____ Internet _____
____ Other (Please specify) _____

What factors caused you to choose Lift Products? _____

Describe how and where products are being used? _____

Name of person completing this form _____

Title _____

Company _____

Street Address _____

City, State, Zip _____

Phone _____ Fax No. _____

Purchased From:

Name of Dealer _____

Street Address _____

City, State, Zip _____

Phone No. _____ Fax No. _____

Please fax this form to 262-521-5725.

OPERATION AND SERVICE MANUAL

BEFORE OPERATING THE LIFT TABLE, READ THIS MANUAL CAREFULLY AND UNDERSTAND COMPLETELY. KEEP THIS MANUAL ON FILE FOR FUTURE REFERENCE. IF THIS IS LOST, PLEASE CONTACT YOUR LOCAL SUPPLIER FOR A NEW COPY. ALSO, IF THE WARNING/CAUTION DECAL ON THE UNIT IS LOST, PLEASE CONTACT YOUR LOCAL SUPPLIER FOR A NEW DECAL.

NOTE: On this manual, WARNING means the danger which can lead to death or serious injury. CAUTION mean the danger can lead to slight or property damage.

1. WARNING

1. DO NOT put foot or hand in scissor mechanism.
2. DO NOT allow other person to stand in front of or behind lift table when it is moving.
3. DO NOT move lift table when table is in raised position. Load could fall down.
4. DO NOT enter under table.
5. DO NOT overload lift table.
6. DO NOT put foot in front of rolling wheels. Injury could result.
7. WATCH difference of floor level when moving lift table. Load could fall down.
8. DO NOT use lift table on slope or inclined surface, lift table may become uncontrollable and create danger.
9. DO NOT lift people. People could fall down and suffer severe injury.

2. CAUTION

1. Read this operation manual carefully and understand completely operating lift table. Improper operation could create danger.
2. This lift table is a movable lifter designed to lift or lower rated load on table. DO NOT use lift table for other purpose than its intended use.
3. DO NOT allow person to operate lift table who does not understand its operation/
4. DO NOT lower table too fast. Load could fall down and create danger.
5. KEEP watching the condition of load. Stop operating lift table if load becomes unstable.
6. Brake lift table when sliding load on or off table.
7. DO NOT side or end load. Load must be distributed on a least 80% of table area.
8. DO NOT use lift table with unstable, unbalanced loosely stacked load.
9. Practice maintenance work according to service instructions.
10. DO NOT modify lift table without manufacturer's written consent.
11. REMOVE load from table and use safety stopper to prevent table from lowering when servicing lift table.
12. This lift table is not designed to be water resistant. Use lift table under dry conditions.

3. DAILY INSPECTION

Daily inspection is effective to find the malfunction or fault on lift table. Check lift table on the following points before operation.

CAUTION: DO NOT USE LIFT TABLE IF ANY MALFUNCTION OR FAULT IS FOUND

1. Check for scratch, bending or cracking on the lift table.
2. Check if there is any oil leakage from the cylinder.
3. Check the vertical creep of the table.
4. Check the smooth movement of the wheels.
5. Check the function of brake.
6. Check if all the bolts and nuts are tightened firmly.

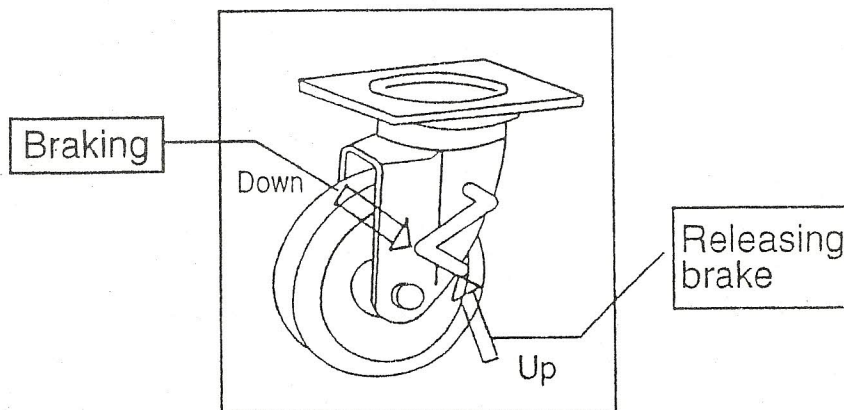
4. OPERATING LIFT TABLE

4-1. HOW TO USE THE BRAKE

CAUTION: Brake lift table when not moving it in order to prevent sudden movement.

The brake is equipped with the swivel caster on the right side.

1. Braking the wheel, press the brake pedal.
2. Releasing the brake, lift up the brake pedal.



4-2. LIFTING THE TABLE

WARNING: DO NOT overload lift table. Stay within its rated capacity. DO NOT side or end load must be distributed on at least 80% of table area.

Press the lifting pedal several times until the table reaches the desired position.

1. The table does not elevate after reaching the highest position even if the lifting pedal is pressed.
2. The table lowers slightly after reaching the highest position.

MAXIMUM CAPACITY OF TABLE							
MML-15	MML-25	MML-50	MML-75	MML-100	MML-100XL	MML-30D	MML-50D
330 lbs	550 lbs	1,100 lbs	1,650 lbs	2,200 lbs	2,000 lbs	660 lbs	1,100 lbs

NOTE: The hydraulic cylinder is designed to hold the table. As is the nature of the hydraulic system, the table lowers very slowly over an extended period of time. Please note the table does not stay in the same position indefinitely.

5-3. LOWERING TABLE

WARNING: DO NOT put foot or hand in scissor mechanism.

Pull the lowering lever up and the table lowers.

5. SPECIFICATIONS

Model	Capacity (Lbs)	Table Size	Table Height	Weight	Pedal to top. (approx. times)
MML-15	330	17.75 x 27.5	10"-30"	90	16
MML-25	550	19.75 x 32.75	12"-36"	172	25
MML-50	1100	20.5 x 39.75	17"-36"	260	44
MML-75	1650	20.5 x 39.75	17"-39"	264	55
MML-100	2200	20.5 x 39.75	17"-39"	301	68
MML-100XL	2000	31.5 x 47.25	17"-48"	358	53
MML-30D	660	20.5 x 39.75	17"-62"	330	68
MML-50D	1100	20.5 x 39.75	17"-62"	370	95

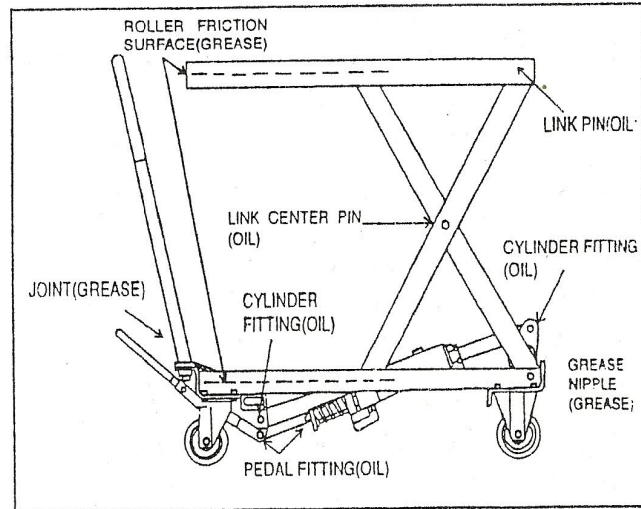
6. SERVICE INSTRUCTIONS

6-1. LUBRICATE EACH POINT DESCRIBED BELOW EVERY MONTH:

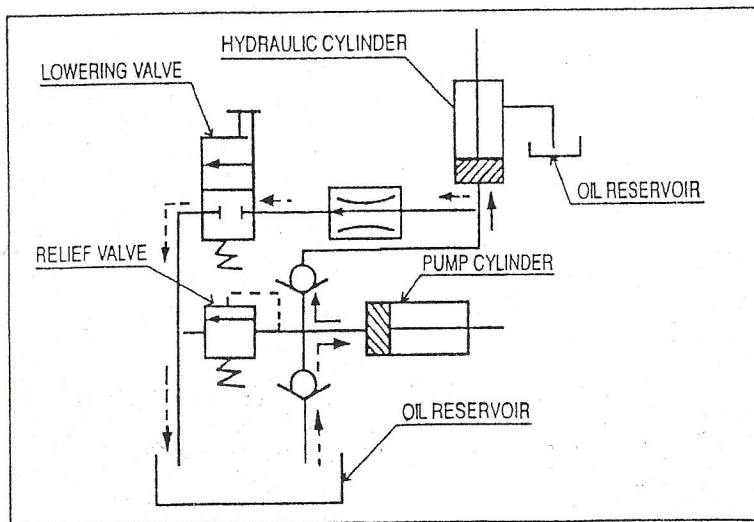
6-2. CHANGING HYDRAULIC OIL EVERY 12 MONTHS.

Lubricating Points:

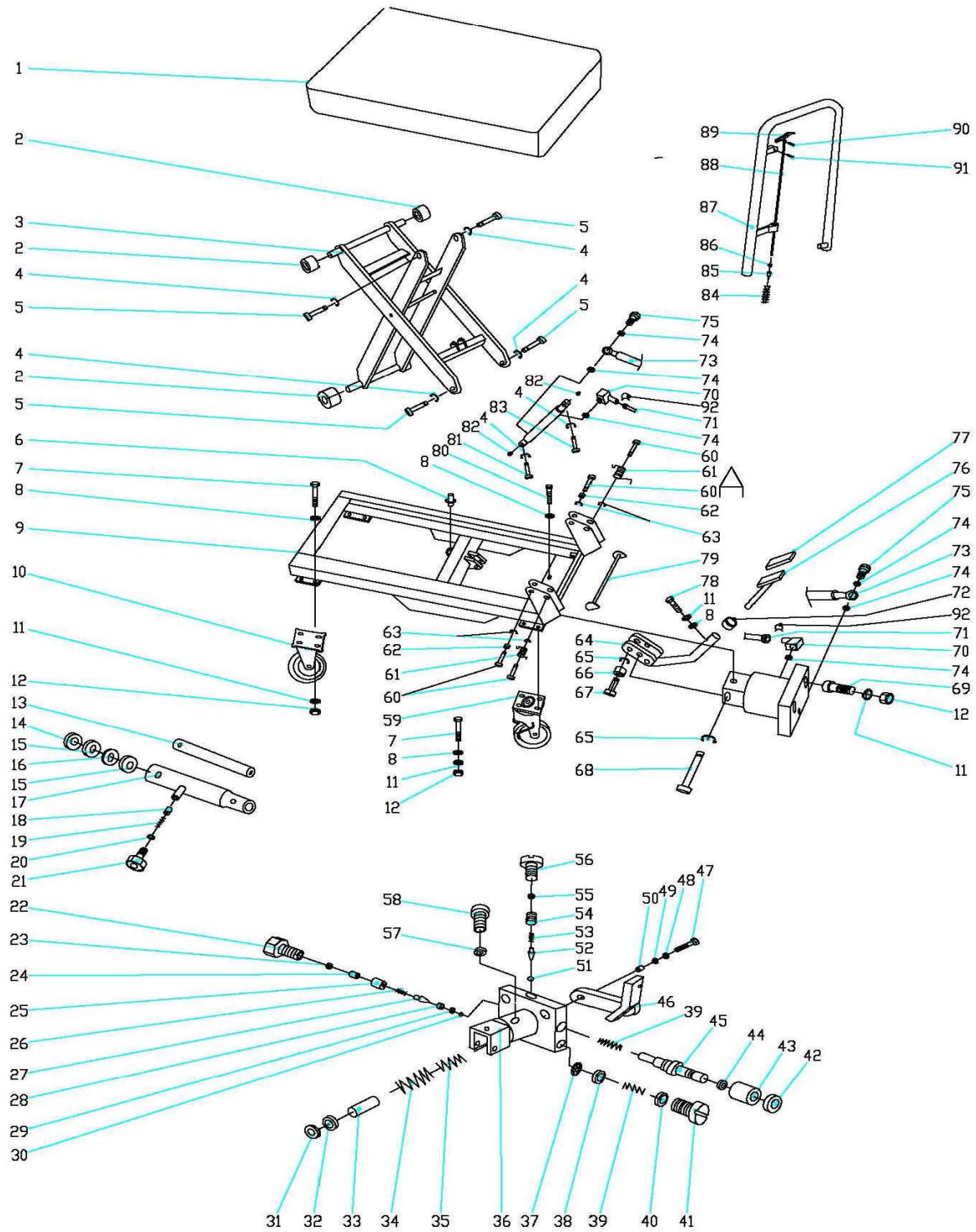
1. Fitting of cylinder...Oil
2. Roller friction surface...Grease
3. Link Pin...Oil
4. Pedal fitting point...Oil
5. Link center pin...Oil
6. Joint...Oil
7. Grease nipple...Grease
8. Hydraulic circuit



HYDRAULIC CIRCUIT



MML-15



PARTS LIST

ILL. NO.	DESCRIPTION	QTY REQ.	ILL. NO.	DESCRIPTION	QTY REQ.
1	Table Pair	1	48	Spring Washer	1
2	Guide Roller	4	49	Washer	1
3	Scissors	1	50	Bushing	1
4	Snap Ring	6	51	Steel Ball	1
5	Link Pin	4	52	Steel Ball Holder	1
6	Safety Pin	1	53	Relief Spring	1
7	Hex Bolt	16	54	Regulating Pressure Plug	1
8	Washer	18	55	O-Ring	1
9	Frame Pair	1	56	Relief Plug	1
10	Front Wheel	2	57	O-Ring	1
11	Spring Washer	19	58	Plug	1
12	Hex. Nut	18	59	Rear Wheel	2
13	Piston Rod	1	60	Handle Pin	4
14	Dust Seal	1	61	Handle Lock Spring L	1
15	O-Ring	2	61A	Handle Lock Spring R	1
16	Back Up Ring	1	62	Bushing	2
17	Cylinder Pair	1	63	Snap Ring	4
18	Spring Seat	1	64	Pedal Holder	1
19	Spring	1	65	Snap Ring	2
20	Seal Ring	1	66	Pressure Holder	1
21	Joint	1	67	Pressure Roller Pin	1
22	Flow Control Joint	1	68	Pedal Pivot Pin	1
23	O-Ring	1	69	Hex Bolt	2
24	Adjust Casing	1	70	Elbow	2
25	Spring Seat	1	71	Oil Return Hose	1
26	Vavle Spring	1	72	Rubber Bushing	1
27	Conical Valve	1	73	High Pressure Hose	1
28	Valve Seat	1	74	Seal Ring	6
29	O-Ring	1	75	Adaptor	2
30	Steel Ball	1	76	Pedal Pair	1
31	Dust Seal	1	77	Pedal Rubber	1
32	Y-Ring	1	78	Hex Bolt	1
33	Plunger	1	79	Lock Bar	1
34	Pump Spring B	1	80	Hex Bolt	1
35	Pump Spring A	1	81	Cylinder Pivot Pin	1
36	Pump Bass	1	82	Grease Fitting	2
37	Net	1	82	Piston Head Pin	1
38	Washer	1	84	Roller Chain	1
39	Back Valve Spring	2	85	Valve Rod II	1
40	O-Ring	1	86	Nut M6	1
41	Plug	1	87	Handle Pair	1

ILL. NO.	DESCRIPTION	QTY REQ.	ILL. NO.	DESCRIPTION	QTY REQ.
42	O-Ring	1	88	Valve Ro I	1
43	Steering Bush	1	89	Control Link	1
44	O-Ring	1	90	Roll Pin	1
45	Discharge Lever	1	91	Roll Pin	1
46	Valve Arm	1	92	Check Ring	2
47	Socket Head Screw	1			
A	Cylinder Assembly		13-21		
B	Pump Unit Assembly		64-78		
C	Pump Unit Sub Assembly		22-58		
D	Handle Assembly		84-91		
E	Pedal Assembly		76-77		
F	Seal Kit Assembly		14, 15, 20, 23, 29, 31, 32, 40, 42, 44, 55, 57, 74		