



LM-500
LIFTING CAPACITY: 500 lb.
LIFTING STROKE: 40"

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	PJA	10/7/2013
		TOLERANCES:	CHECKED		
		FRACTIONAL ± .03"	ENG APPR.		
		ANGULAR: MACH ± .1 BEND ± 1°	MFG APPR.		
		TWO PLACE DECIMAL ± .01	Q.A.		
		THREE PLACE DECIMAL ± .005	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER: ANSI Y14.5			
		MATERIAL			
		ASSEMBLY			
		FINISH			
REV	LEVEL	CHANGE			
		REVISION			
		DO NOT SCALE DRAWING			



TITLE:
LIFT MATE LM-500

SIZE **A** DWG. NO. **LM-500** REV **-**

SCALE: 1:48 WEIGHT: SHEET 1 OF 3

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	LM-500-554	COLUMN WELDED ASSY	1
2	LM-500-508	CHANNEL ASSY	1
3	LM-500-533	COVER LH	1
4	LM-500-313	PULLEY ASSY LM-500	1
5	LM-500-535	COVER REAR	1
6	LM-500-543	TOOL TRAY	1
7	LM-200-172	CONTROL BOX COVER	1
8	LM-500-536	TROLLEY ASSY	1
9	LM-500-316	CABLE RETAINER	2
10	LM-500-542	CASTER SUPT RH	1
11	LM-500-538	CASTER SUPT LH	1
12	LM-500-519	SPACER	3
13	LM-500-520	SUPPORT PLATE	1
14	LM-500-525	FORK WELDMENT	1
15	LM-500-549	TIRE SUPPORT WELDMENT	1
16	LM-500-604	CASTER 4" PHENOLIC	2
17	LM-500-603	CASTER 5" PHENOLIC	2
18	LM-500-558	THREADED KNOB	2
19	LM-500-310	PULLEY PIN	2
20	LM-500-318	COLUMN COVER	1
21	HEX NUT .5 X 13	HEX NUT GR 5 1/2-13	2
22	LM-200-R-152	ROLLER	4
23	LM-200-901	AIR VALVE	1
24	LM-200-902	FLOW CONTROL ELL 3/8 NPT	2
25	LM-200-BH FITTING	1/4 NPT-3/4-16 THD	1
26	108-60	CHECK VALVE 1/4 NPT	1
27	LM-200-BRASS T	AIR LINE TEE 1/4 NPT	1
28	.25 x .25NPT ELBOW	.25 TUBE X .25NPT ELBOW	1
29	1030	QUICK DISCONNECT 1/4 NPT	1
30	.50-13 HHCS 14 INCH	1/2-13 HHCS 14 INCH	2
31	Preferred Narrow FW 0.5	1/2" FLAT WASHER	2
32	LM-500-551	ROLLER	4
33	100 PSI REGULATOR ASSY RETRO-FIT		1
34	#8 x .375 LG PPHSMS	#8 X .375 LG PPHSMS	3
35	.5NPT X .375 TUBE ELBOW	1/2 NPT X 3/8 TUBE ELBOW	1
36	LM-500-560	HD Cylinder 125 B- 500 S	1
37	LM-500-534	COVER RH	1
38	M12-1.75 x 20mm SHCS	M12-1.75 x 20mm SHCS	3
39	H-.5E-CLIP	RETAINING RING 1/2"	2



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LM-500 Warranty

The LM-500 has been thoroughly tested and is guaranteed for a period of 12 months from the date of delivery. Under the terms of this guarantee all components which are proven defective within the warranty period will be repaired or replaced free of charge. Our technical assistance service is the sole authority in determining whether or not defects come under the coverage of the guarantee. The guarantee excludes all responsibility on the part of the Quality Stainless Products for direct or indirect loss or damage to persons or things deriving from incorrect operation or servicing of the product. The guarantee is limited to defects in materials, workmanship and assembly, and excludes all components subject to normal wear. Furthermore, the guarantee excludes return shipping of defective part to QSP. We will however ship the replacement part by standard ground service at no charge.

Parts Department 888-473-5378

TYPE: Tire and Wheel lift

MODEL: LM-500

OPERATION INSTRUCTIONS

Removing the Tire and Wheel Assembly from a vehicle using The LM-500

1. Attach air to LM-500
2. Position LM-500 under tire and wheel on the vehicle and raise roller carriage by operating the raise/lower control. (Valve is variable speed. The more you move the toggle control in the upward or downward direction the faster the carriage will move)
3. Once the rollers have made contact with the bottom of the tire, slowly release the toggle valve.
4. Pull the top of the tire toward you, secure with web strap, and disengage wheel from the vehicle.
5. With the tire on the rollers back the lift away from the vehicle and lower.
6. Remove the tire and wheel assembly from the LM-500

Installing the Tire and Wheel Assembly on a vehicle using the LM-500

1. Position the tire and wheel assembly on the LM-500 rollers and secure with web strap.
2. Raise the tire to close to spindle height.
3. Rotate the tire and wheel to align lug studs to the wheel.
4. Slowly raise or lower to exact position and push the top of the tire and wheel assembly forward to engage the stud and lug nut holes.
5. Install lug nuts and lower tire and wheel lift.