

Ergonomic Solutions

OWNER'S MANUAL

LITE LOAD PORTABLE LIFTS MODEL LLW & LLH

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SAFETY PRECAUTIONS

Read owner's manual completely before operating unit!

- Never exceed the maximum loading capacity of 500 pounds.
- Never load the unit unless you are watching it.
- Stand clear of load while loading and unloading.
- Load must be evenly distributed on deck to insure stability.
- Use caution in moving a loaded unit; avoid obstructions and floor defects.
- Never go under deck if there is weight on unit.
- Do not continue to pump on the foot lever or turn on the winch mechanism if the deck is not raising.
- Remove weight before working on unit.
- Do not use brake fluid or jack oils. Use AW-32 hydraulic oil or equivalent.
- Use only maintenance parts supplied or approved by the manufacturer.
- Consult factory before performing any modification to the original equipment.

RECEIVING INSTRUCTIONS

Every unit is thoroughly tested and inspected prior to shipment. However, it is possible that the unit may incur damage during transit. If damage is noticed when unloading, make a note of it on the **BILL OF LADING**. Remove all packing and strapping material, then inspect the unit again for damage. **IF DAMAGE IS EVIDENT, FILE A CLAIM WITH THE CARRIER IMMEDIATELY!**

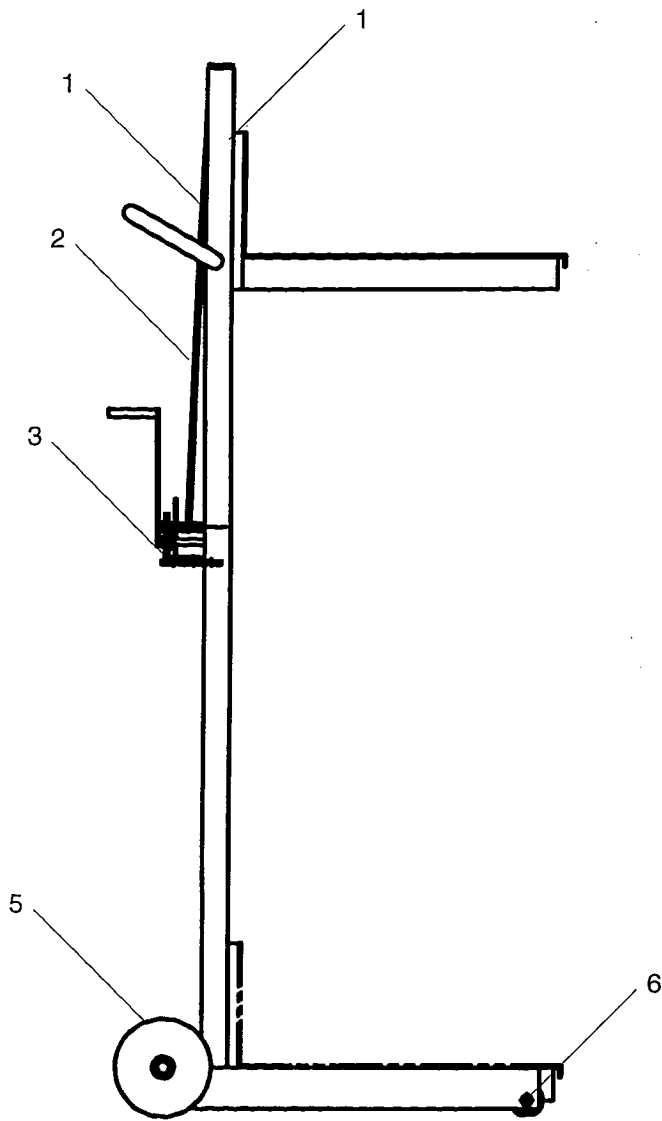
WARRANTY

This product is warranted for 90 DAYS from date of purchase to be free of manufacturing defects in material and workmanship. The manufacturer's obligation hereunder is limited to repairing such products during the warranty period, provided the product is sent prepaid back to the factory.

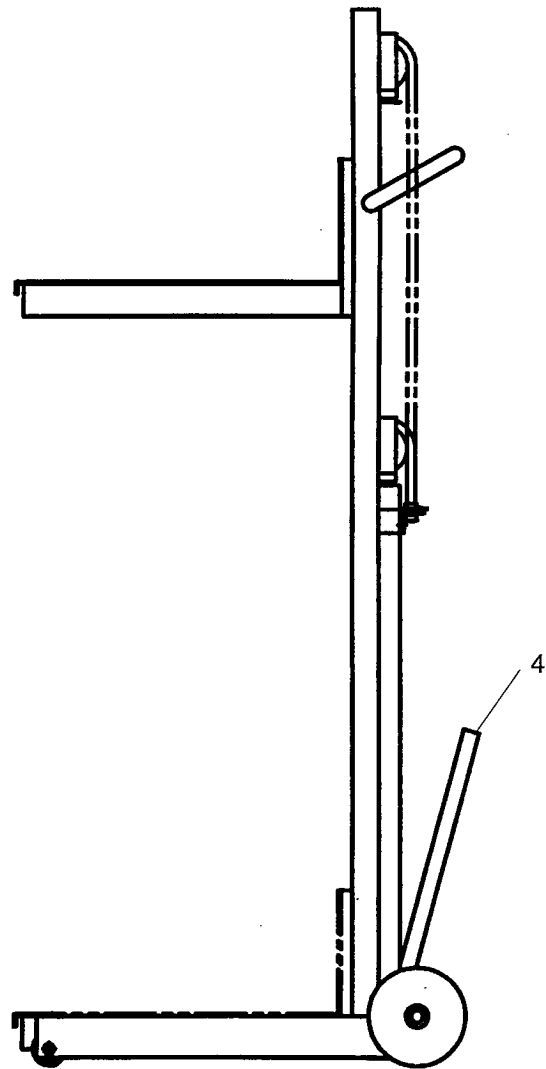
This warranty does not cover normal wear of parts or damage resulting from any of the following: negligent use or misuse of the product, use or application contrary to installation instructions, or disassembly, repair or alteration by any person prior to authorization from a factory representative.

**LITE LOAD PORTABLE LIFTS
MODEL LLH & LLW**

WINCH & HYDRAULIC OPERATED LITE LOAD LIFTS SERIES LLW & LLH



HAND WINCH



HYDRAULIC FOOT PUMP

WINCH & HYDRAULIC OPERATED LITE LOAD LIFTS SERIES LLW & LLH

ITEM NO.	DESCRIPTION	PART NO.	QTY.
1	Pulley Wheel	LLW-PW	1
2	Cable	LLW-CBL	1
3	Winch Assembly	LLW-WAS	1
4	Foot Pump Assembly	LLH-FPA	1
5	Rear Wheels	LLW-RWL	2
6	Front Roller	LLW-RLL	2
7	Roller Bearings	LLW-RBG	?

Troubleshooting Quick Reference Guide

(For further information please contact the factory)

WARNING! BEFORE PERFORMING ANY MAINTENANCE WORK ALWAYS ENSURE THAT THE DECK/FORKS ARE IN LOWER POSITION

Observation	Possible Cause	Remedy
1.) Deck/forks do not raise.	<ul style="list-style-type: none"> a. Excessive load. b. Oil is low. c. Relief valve set too low. d. Released pin is not rotating to closed position. e. Breather cap is not allowing air into cylinder. 	<ul style="list-style-type: none"> a. Remove part of the load. b. Fill oil as necessary. c. Increase only as necessary. d. Check linkage for proper rotation. e. Be sure cap has air hole. Clean cap out with compressed air.
2.) Foot pedal goes down but deck/forks do not raise.	<ul style="list-style-type: none"> a. Particle of dirt under the pressure relief valve. b. Particle of dirt under inlet check valve. 	<ul style="list-style-type: none"> a. Lower deck/forks - Remove and clean steel ball and seat. (Refer figure 1) b. Lower deck/forks - Remove and clean inlet ball and seat. (Refer figure 1)
3.) Unit will pump under no load or when rapidly stroked, or pedal will stroke without pumping.	<ul style="list-style-type: none"> a. Pump is air locked. b. Inlet check valve has foreign material on seat. c. Relief valve setting is out of adjustment. d. Foreign material on pressure relief valve seat. e. Release pin has foreign material on the seat or is stuck in the open position. 	<ul style="list-style-type: none"> a. Bleed air from system inlet. b. Same as 2(b). c. Adjust relief valve setting higher. d. Same as 2(a). e. Lower deck/forks - Remove and clean steel ball and seat. (Refer figure 1)
4.) Deck/forks raise when the pump is stroked but lower on return stroke.	<ul style="list-style-type: none"> a. Outlet check valve is leaking. 	<ul style="list-style-type: none"> a.1. Lower deck/forks - Remove and clean steel ball and seat. (Refer figure 1) a.2. Pump vigorously to remove debris.
5.) Deck/forks raise but is too slow.	<ul style="list-style-type: none"> a. Foreign material stuck under pressure relief valve or under inlet check valve. 	<ul style="list-style-type: none"> a. Same as 2(a) / 2(b).
6.) Spongy or jerky operation.	<ul style="list-style-type: none"> a. Check for foreign material stuck in the deck or frame rails. b. Oil is low. 	<ul style="list-style-type: none"> a. Correct as necessary. b. Same as 1(b).
7.) Deck/forks raise but do not lower.	<ul style="list-style-type: none"> a. Foreign object blocking roller travel. b. Release pin is not rotating to open position. 	<ul style="list-style-type: none"> a. Correct as necessary. b. Same as 1(d).

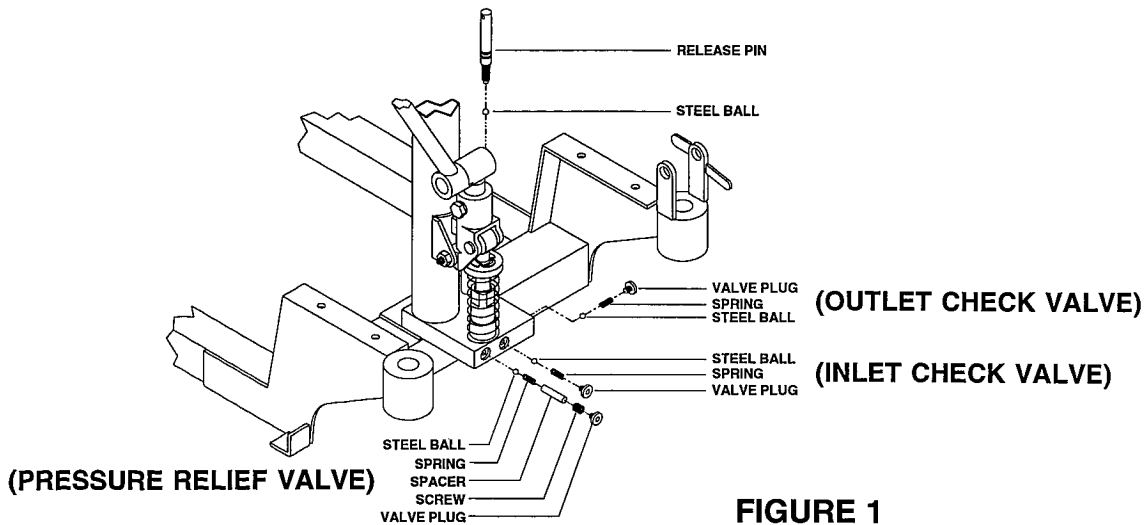
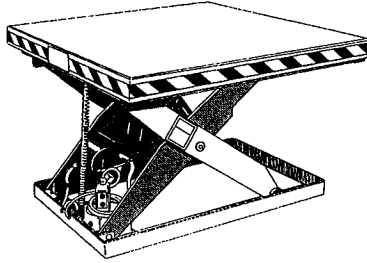


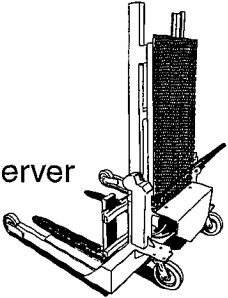
FIGURE 1

Material Handling Problem Solvers

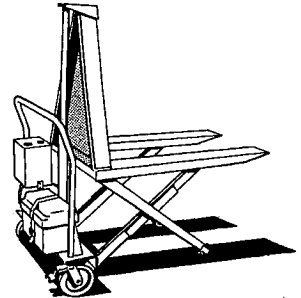
Scissor Lift Table



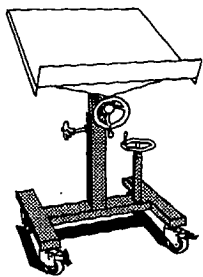
Pallet Server



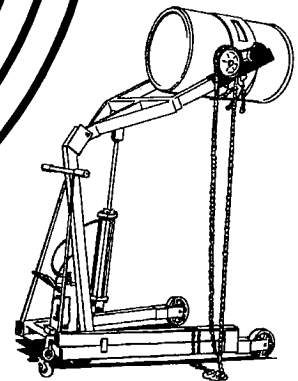
High Rise Lift



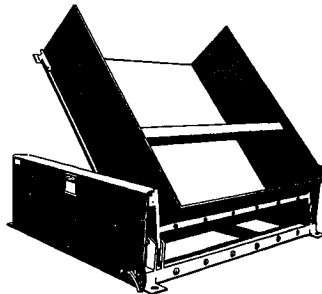
Time is money.
Increased productivity
equals greater profitability,
cost minimization and worker
compatibility. Ergonomic
products will assist you
with your production and
safety goals.



Mobile Lift & Tilt
Work Stand



Drum Carrier/Rotator



Ground Lift Tilter