

# Lectro-Stack Operator's Manual



## Table of Contents

- Introduction - Page 2
- Serial Number - Page 2
- Operation - Page 3-4
- Available Accessories - Page 5
- Specifications - Page 6
- Parts List - Page 6

Another fine accessory from



## Introduction

The Lectro-Stack is designed to perform a several different tasks:

1. The Lectro-Stack can be used as a miniature forklift to safely lift loads up to 750 pounds 58" off the ground. This makes the Lectro-Stack a viable option for maneuvering in tight areas such as a showroom - where a standard forklift is unable to fit.
2. The Lectro-Stack can be used as an attachment to the Lectro-Truck to make moving short heavy loads up stairs simple and easy by raising the center of gravity.

The Lectro-Stack is used by companies in the wood burning stove, gaming, plumbing and heating industries, as well as many other industrial-based applications. Simple, straight-forward operation makes the Lectro-Stack convenient to use. And with a few uncomplicated accessories of its own, the Lectro-Stack can be modified to meet the needs of just about any customer.

## Serial Number

The serial number on your Lectro-Stack can be found on the front of the machine at the top. Whenever calling for parts or service, please refer to this number. All Lectro-Stack serial numbers are coded as follows: LTS-XXXX, with the "X" being the sequential numbers of the machine built.

Figure 1 shows where you can find the serial number tag on the Lectro-Stack:



Figure 1

## Operation

As stated before, the Lectro-Stack is designed to be used two different ways. We will break this down into “Solo Operation” (not attached to the Lectro-Truck), and “Dual Operation” (attached to the Lectro-Truck).

### Solo Operation

The standard Lectro-Stack (Fig. 2) comes equipped with two 6”x 2” rubber wheels on the rear of the machine and two 2” swivel casters on the front. It also has a set of forks (orange) that can be raised or lowered. (The accessories section of this manual covers the different options available for this.)



Figure 2

The ideal set-up for lifting an item from the ground is to have a pallet that has no cross-members on the floor. Another scenario is to have a pallet *with* cross-members on top of a spacer to allow you to roll the Lectro-Stack under the load. (Fig.3) The need for this type of set-up is due to the fact that the Lectro-Stack has two outriggers on the front of it for structural support when lifting.

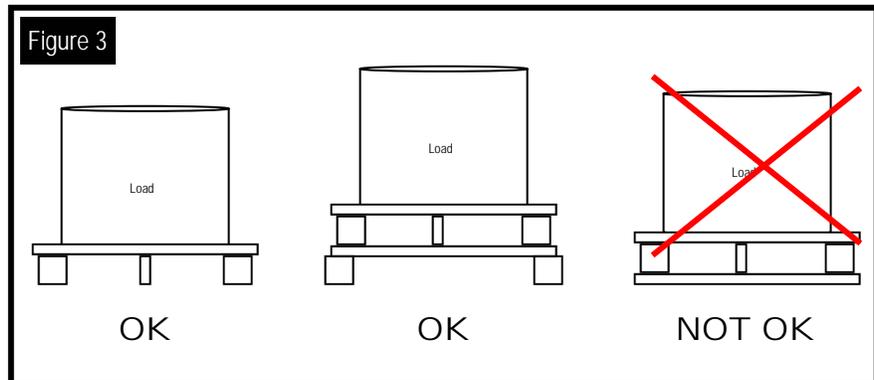


Figure 3

Roll the Lectro-Stack forward so the forks are under the load to be moved. Once you have the Lectro-Stack in place, press the control switch forward to raise the forks. When the load is elevated off the floor (or spacers) you are able to roll the load where you need to go.

If you need to raise the load further to load onto a truck, to stack a load, or to place a load onto a platform, power the Lectro-Stack by pushing the rocker switch forward. If you need to set the load down, push the rocker switch backward (toward the rear of the machine.)



**CAUTION:** When placing a load on the forks of the Lectro-Stack, be sure the heaviest part of the load is closest to the framework of the machine. Additionally, if lifting a pallet, be sure that the forks support at least 75% of the pallet when lifting. Failure to do so may result in the Lectro-Stack tipping forward and/ or falling over.

## Dual Operation

The Lectro-Truck is designed to climb steps with a heavy load attached to it. Occasionally you may come across a load that is heavy but short. Due to the low center of gravity, this can make for a difficult stair climb. By attaching the Lectro-Stack to the Lectro-Truck you can raise the center of gravity and make the load balance very well. Figure 4, taken from the Lectro-Truck Owner's Manual, shows how to attach the Lectro-Stack to the front of the Lectro-Truck.

1. Position the Lectro-Stack so the wheels are centered on the toe plate of the Lectro-Truck.
2. Locate the proper "eyelets" to use on the rear of the Lectro-Stack to feed your straps through (See chart below.)

<u>Model</u>	<u>Eyelets to Use</u>
LTA6512	A & D
LTA5512	A & D
LTA5012	C & D
LTA4512	C & D
1268E	B & D
1260E	B & D

3. Position your strap bars according to the height of the eyelets, feed your strap through both eyelets, and tighten into place.

**NOTE** The strapping that you have on your Lectro-Truck will work to attach the Lectro-Stack. However, the straps that work the best are ratchet straps that can be ordered for your Lectro-Truck.

4. Place your load to be moved onto the forks of the Lectro-Stack. You are now able to position your load as high as you need to make moving low, heavy objects easy to move. The operation of the Lectro-Truck is the same as described on Page 14.

**Figure 4**

When the load is on the forks of the Lectro-Stack and you are ready to climb steps, begin the stair climbing process (as described in the Lectro-Truck Owner's Manual). If you cannot counterbalance the load to raise it up to the first step, reach down to the rocker switch on the Lectro-Stack and raise the load up approximately one foot. Try to counterbalance the load again. If it will still not counterbalance easily, raise the load up another foot and try again. Continue this process until you have attained the ideal balance for stair climbing. You are now able to climb the steps safely and effortlessly.

## Available Accessories

The Lectro-Stack has a few accessories available to customize the machine to the tasks you need it to do.

### All-Terrain Wheel Kit

The All-Terrain Wheel Kit is a set of 15"x 6" pneumatic tires used in place of the 6"x 2" wheels that are standard on the Lectro-Stack. These are ideal for when you have to move loads across grass, gravel, broken concrete, high-pile carpeting, or just about any soft or uneven surface.



**The All-Terrain Wheel Kit should NOT be used when attached to the Lectro-Truck. The All-Terrain Wheels are too large and too wide to fit onto the toe plate of the Lectro-Truck.**

### Fork Plate

The Fork Plate bolts to the regular forks of the Lectro-Stack to give you a platform-style lift. This is a good accessory for when you are moving loads that may not be as large as the forks are wide or if the load to be moved has legs on the bottom that would not work well with the width of the forks.



**The Fork Plate should NOT be used when moving items that are palletized. Lifting a pallet with the Fork plate installed may cause the pallet to tip off causing damage to the product and possible injury to the user.**

### Battery Charger

The Battery Charger for the Lectro-Stack is a 6 Amp fully-automatic charger that will not overcharge the battery. The battery manufacturer suggests that whenever you are not using the Lectro-Stack that you plug it in to charge. Simply plug the 110V electrical plug into the wall outlet and plug the gray connector into the corresponding gray outlet on the Lectro-Stack to charge.



Fork Plate

All-Terrain Wheel Kit



6 Amp Battery Charger

## Specifications

Length: 34"

Width (Outriggers): 23"

Width (Forks): 18"

Height: 70"

Capacity: 750 lbs.

Weight: 130 lbs.

Material: Steel

\* These measurements are taken from the standard Lectro-Stack unit. Any specially made units may vary from these measurements based on the customer's request.



## Parts List

This is a list of the available parts for replacement on the Lectro-Stack.

LS2000-1	Winch
LS2000-3	Wheel (6"x 2")
LS2000-4	Caster Wheel
LS2000-5	Steel Sheave (2.5")
LS2000-6	Steel Sheave (1.35")
LS2000-7	Steel Dowel Pin (.5"x 1.25")
LS2000-8	Clevis Pin (.5"x 1.25")
LS2000-9	Clevis Pin (.5"x 1.5")
LS2000-10	Clevis Pin (.5"x 2.5")
LS2000-15	Battery Case
LS2000-23	Cushioned Metal Cable Mount
LS2000-28	Fork Sheave Holder
LS2000-31	Switch Holder
LS2000-32	Battery Hold Down
LS2000-35	Sheave Bracket Spacer
LS2000-36	Fork Platform
LS2000-37	Switch
LS2000-38	Cable
LS2000ATW	All-Terrain Wheel Upgrade for LS2000