



Lift'n Buddy  
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# Owner's Manual

## Pail Lifter

### Model: FPL



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## WELCOME

Congratulations on your selection of a Lift'n Buddy Pail Lifter. We are certain that you will be pleased with your purchase of this unique and innovative device. This manual contains information on how to operate and use your Pail Lifter. For technical questions or to order parts please call toll free at 855-LIFT-BUD.

## FOR YOUR SAFETY

### SAFETY ALERT SYMBOLS AND SIGNAL WORDS

The safety of all persons operating, maintaining, repairing, or in the vicinity of this equipment is of paramount concern. This is a powerful machine with moving parts, and is capable of causing personal injury if proper precautions are not taken. Therefore, throughout this manual, certain hazards have been identified which may occur in the use of the machine, and there are appropriate instructions or precautions which should be taken to avoid these hazards. In some cases, there are consequences which may occur if instructions or precautions are not followed. Below are the symbols and signal words along with their definitions referenced from ANSI Z535.4 - Product Safety Signs and Labels.

### SAFETY ALERT SYMBOLS

These are the safety alert symbols. They are used to alert you to potential physical injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



For use with DANGER signal word.  
(Red Background)



For use with WARNING signal word.  
(Orange Background)



For use with CAUTION signal word.  
(Yellow Background)

### SIGNAL WORDS

The meaning of different signal words as defined by ANSI Standard Z535.4 indicates the relative seriousness of the hazardous situation.



#### DANGER

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.



#### WARNING

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



#### CAUTION

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



#### NOTICE

Is used to address practices not related to personal injury.



#### SAFETY INSTRUCTIONS

(or equivalent) signs indicate safety- related instructions or procedures

## RESPONSIBILITY OF OWNERS AND USERS

### INSPECTION AND MAINTENANCE

The device shall be inspected and maintained in proper working order in accordance with the Lift'n Buddy owner's manual.

### REMOVAL FROM SERVICE

Any device not in safe operating condition such as, but not limited to, excessive leakage, missing rollers, pins, or fasteners, any bent or cracked structural members, cut or frayed electric, hydraulic, or pneumatic lines, damaged or malfunctioning controls or safety devices, etc. shall be removed from service until it is repaired to the original manufacturer's standards.

### DEFLECTION

It is the responsibility of the user/purchaser to advise the manufacturer where deflection may be critical to the application.

### REPAIRS

All repairs shall be made by qualified personnel in conformance with Lift'n Buddy instructions.

### OPERATORS

Only trained personnel and authorized personnel shall be permitted to operate the lift.

## BEFORE OPERATION

Before using the device, the operator shall have:

- Read and/or had been instructed about, and understood, the manufacturer's operating instructions and safety rules.
- Inspected the device for proper operation and condition. Any suspect item shall be carefully examined and a determination made by a qualified person as to whether it constitutes a hazard. All items not in conformance with Lift'n Buddy specification shall be corrected before further use of the equipment.

## DURING OPERATION

The device shall only be used in accordance with this owner's manual.

- Do not overload.
- Ensure that all safety devices are operational and in place.

## MODIFICATIONS OR ALTERATIONS

Modifications or alterations to any Lift'n Buddy industrial positioning equipment shall be made only with written permission from Lift'n Buddy.

## IMPORTANT OPERATIONAL INFORMATION

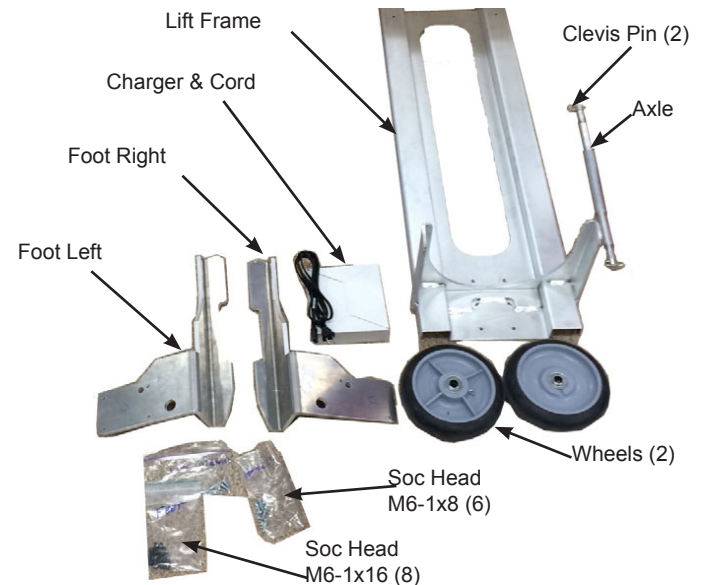
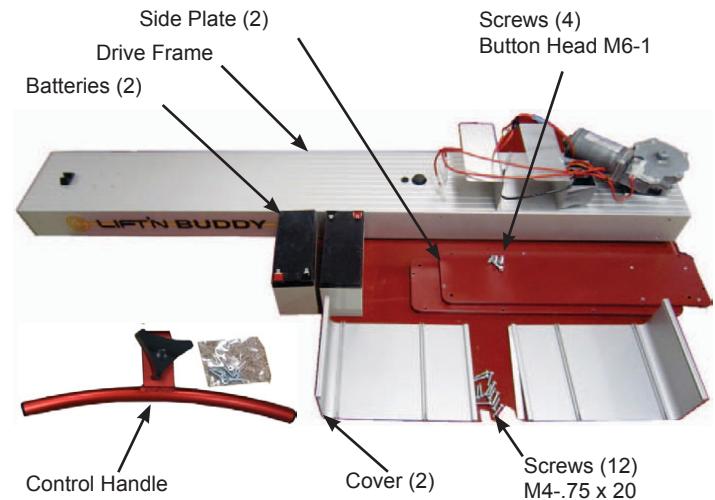
### READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE USING THIS PRODUCT

- Do not exceed the manufacturers load rated capacity. Read capacity sticker or load capacity rating specification section of this operational manual.
- Never allow untrained operators to use this equipment.
- Do not raise or lower a load while transporting a load. Wait until the device is stopped and at the load transfer location.
- Transport the load with its center of weight at its lowest point to improve stability.
- Make sure the lifting platform is completely under the load. Always load towards the rear.
- Avoid operating with obstructed views.
- Avoid operating on inclined surfaces. The devices weight needs to be supported by the operator at all times. Inclined surfaces will increase the weight that the operator needs to support.
- Never place an item on the lift that can roll off or tip over the unit.
- Floors that are damaged, cracked or uneven can catch wheels or casters and create a tripping hazard.
- Dirty, wet or slippery floors will reduce the traction of the operator and create a slipping hazard.
- Operators should wear protective footwear while using this device.
- The operator should receive training on how to maneuver and handle heavy loads.

## PARTS IDENTIFICATION AND ASSEMBLY

### PART IDENTIFICATION

This Lift'n Buddy product arrives unassembled. Remove all parts from the cartons and compare them to the items diagrammatically described in the following section.



### ASSEMBLY TOOLS

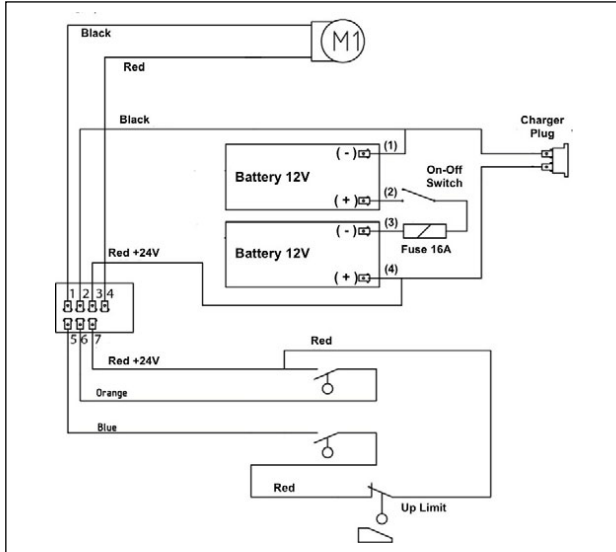
List of tools for assembly :

- T20 screw driver
- 5mm hex bit wrench
- 4mm hex bit wrench

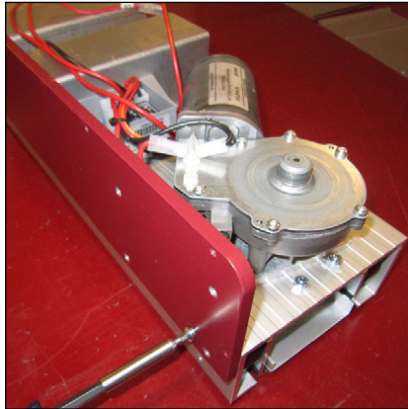



## ASSEMBLING LIFT UNIT


The lift assembly needs to have the batteries installed and wired. The side plates and covers will be installed to form a drive and battery enclosure. The following wiring diagram will be used to identify the wires that will be installed on the battery terminals.

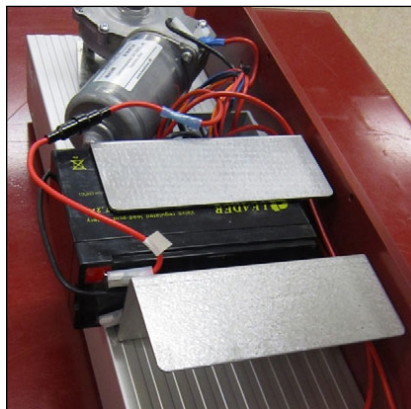


1) Place the drive frame on a level surface with the gear motor drive facing up. Install a side plate onto the left side of the drive frame shown in the picture. Use two of the button head M6-1 screws to secure the plate. This plate will be used as a back stop when sliding the batteries into their holding compartments.

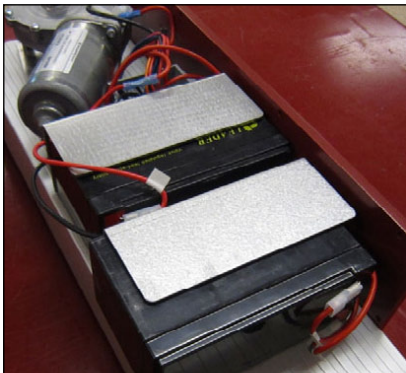


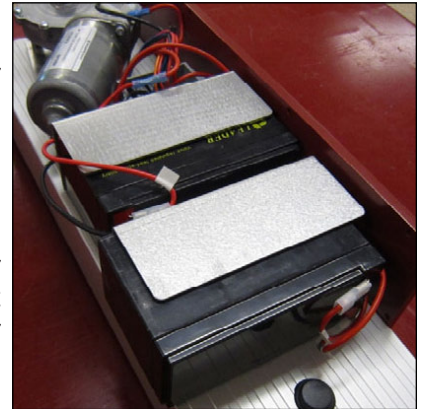
2) Slide a battery into the lower battery compartment located just above the gear motor.

- Route the black wire marked “01” around the free battery side and slide its wire end onto the (-) battery terminal.
  - Route the red wire with the in-line fuse holder marked “02” around the free side of the battery. Slide its wire end onto the (+) battery terminal.
  - The in-line fuse holder is to be positioned under the lower battery compartment.
- 



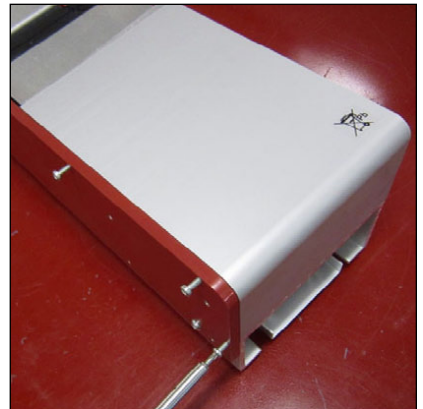
3) Slide a battery into the upper battery compartment.

- Route wires marked “03” and “04” between the battery end and the installed side plate.
  - Slide the wire end marked “03” onto the (-) battery terminal.
  - Slide the wire end marked “04” onto the (+) battery terminal.
  - Note the position and the routing of the four wires that connect the batteries.
  - The fuse holder wired in the previous step is to remain positioned under the lower battery compartment just above the gear motor.
- 



4) Position the lower cover section next to the mounted side plate.

- Use M4 x 20 thread rolling screws to position the bottom cover to the one mounted side plate.
- Leave screws loose until all parts are positioned in place.



5) Position the top cover next to the mounted side plate.

- Insert the cover linking bar into the slots between the two cover.
  - Use M4 x 20 thread rolling screws to position the top cover to the mounted side plate.
  - Leave screws loose until all parts are positioned.
- 



6) Install the second side panel to the side of the lift assembly.

- Use Button Head M6-1 screws at the two mount points on the side of the lift assembly.
- Leave the screws loose until the remaining cover sheet screws are installed.



7) Install the remaining six cover plate screws through the second side plate.

- Install all six screws but do not completely tighten them until all screws are in place.
- Tighten all four screws holding the side plates in place on both sides of the drive frame assembly.
- Tighten all twelve screws holding the covers in place.

The lift assembly is completed and now the remaining components are to be mounted to the external points on the this assembly.



2) Mount one of the lower feet to the appropriate side plate. Use the socket head M6-1x16 screws. There are four screws per side mount for each installed foot.



3) Position the axle and any other cross piece through the appropriate location hole in the mounted foot. Place the free end of the cross axle through the hole on the unmounted foot. Slide the foot next to the lift assembly side plate and bolt it into place using the remaining four socket head screws.



## ASSEMBLING EXTERNAL COMPONENTS

The lift unit must be assembled before the external components of the device are added or installed.

1) The control handle arrives as a complete assembly. Mount the control handle to the four attachment points located on the upper drive side of the drive frame assembly. Use the four locking nuts that are supplied with the handle. The triangular hand control operator should engage with the sliding shuttle that has a mating cavity. This shuttle cavity engages with the arm of the triangular operator that has a cylindrical feature on it.



4) Install wheels onto the mounted axle free ends. The wheels have an off set hub and they should be positioned so that the offset is towards the lift assembly. Place the supplied clevis pins in the drilled holes on the axle ends. The clevis pins hold the wheels in place on the axle.



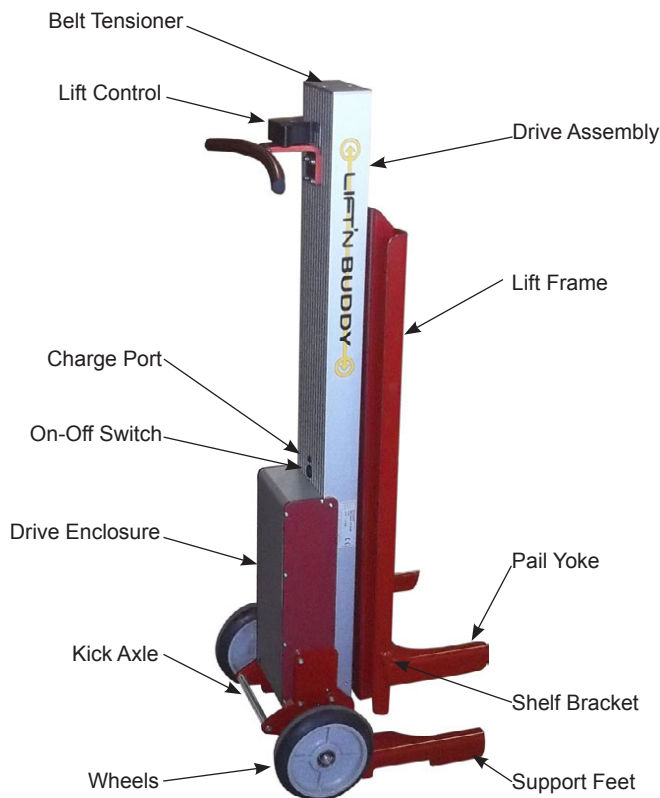


5) Lay the device down so that the lift assemblies lifting shuttle is facing up. The lifting shuttle has six M6-1 tapped mounting holes on it. Align the mounting holes of the lift frame with the shuttle's mounting holes. Use the supplied M6-1x8 socket head screws to affix the lift frame to the lift assembly. Do not completely tighten the screws until all six screws are in place and have thread engagement with the tapped holes of the shuttle plate. Tighten the screws in an alternating manner.



## OPERATION

### FEATURE IDENTIFICATION



### ON AND OFF SWITCH

The On/Off switch is located on the back center of the lift assembly. It is positioned just above the battery and drive cover. The charging connection port is located immediately above the on/off switch. The lift drive will operate when the On/Off Switch is pushed in. The switch is in the off position when it is in the out position. "In = On" and "Out = Off".

The charger connects to the charger port shown in the picture. This port is positioned just above the On/Off Switch. The On/Off switch MUST be in the ON position for the batteries to charge.



### BATTERY CHARGER

The charger is a battery maintainer/charger and can remain plugged into the lift device without worry of damaging the batteries. The device's On/Off switch must be in the "On" position to charge the batteries. The batteries will not charge when the On/off switch is in the "Off" position. The charger will have an indicator light that will change color to green when the batteries are charged. This light will also be green if the charger is connected and the On/Off switch is in the "Off" position. Do not deplete the batteries completely. Recharge the batteries frequently. The battery life will be improved with frequent charging.



### LIFT CONTROL

The lift control is located on the bracket that mounts the handle grips to the Pail Lifter. The control is triangular in shape and is activated by pushing one side or the other. Controlled lift movement will stop when the hand control is released. The operator needs to be aware of the hand controls position when operating the device.



## LOAD ENGAGEMENT

The proper orientation of the pail and handle is important when lifting pails. The pail yoke is intended to be positioned underneath the bottom circumferential ring on the pail. Before lifting a pail from this outer ring it must be visually inspected to assure it has not been damaged or broken. This bottom outer ring will be connected to the reinforced pail handle connection points. The handle must be positioned away from the yoke as shown in the picture. It is important to also orientate the pail so that the handle connection points are fully engaged by the lifting yoke. This handle orientation is the most secure lifting orientation when lifting from the circumferential ring. The lifting yoke must be fully engaged with the outer ring to ensure the pail lift will be as secure as possible. Some pail designs have thinner outer circumferential rings. Become familiar with the different types of pails and different outer rings. Only lift pails that have a sealed cover installed.



When using the Pail Lifter to stack a set of pails only up and place one pail at a time. One pail is picked up and placed on a pail. A stack of three pails is made by picking up a single pail and placing it onto a stack of two. Do not pick up and place two or more pails in an elevated position with the Pail Lifter.

## HANDLE HOLDING CLIP

The Pail lifter is able to transport and lift a maximum of three paint pails. When transporting and handling a stack of three pails the combined pail load is stable. A handle holding clip is provided to engage the stacked third pails lifting handle. The third pail handle swings up over the clip and prevents the pail from rocking forward accidentally. This clip is only available for the third stacked pail.



## PAIL TRANSPORTING AND LIFTING

Transport pails on the Pails Lifter with the pails in the lowest position. Lift the pail/pails with the lifting yoke enough to clear the ground. Pull the loaded Pail Lifter back using the handle bars. The kick axle is provided to hold the wheels in place while pulling the load onto the transport wheels. DO NOT transport raised pails. Keep the load as low as possible.

Lift the pail stack only high enough to easily handle a single pail. Only pickup and place one pail at a time in the raised position with the Pail Lifter.