



Lift'n Buddy

FLNB200/FKL200/FPL200

(For equipment shipped after January 2023)



FLNB200



FKL200



FPL200

Model: _____

Serial Number: _____

Date placed in service: _____

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service@prestolifts.com

www.PrestoLifts.com

Owner Manual

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This manual was current at the time of printing. To obtain the latest, most updated version, please contact the Customer Service Department or go to our website: www.PrestoLifts.com.
You will find a complete list of current Owner Manuals to print.

⚠ WARNING
Cancer and Reproductive Harm - www.P65Warnings.ca.gov

This label (part # 10095524) is required by California Law. For more information visit:
www.P65Warnings.ca.gov

1 INTRODUCTION

This manual attempts to provide all of the information necessary for the safe and proper initial setup, operation and maintenance of the Presto Lifts Lift'n Buddy. It is important that all personnel involved with the initial setup, maintenance or operator of the stacker read this manual. Additional manuals are available upon request or at www.prestolifts.com.

Each of the Presto Lifts stackers is equipped with nameplate, serial number and model identifications. Please refer to these numbers when ordering parts or requesting further information.

The Presto Lifts stackers are designed for lifting, lowering and positioning a wide variety of loads. Where unique situations arise which are not covered in this manual, call Presto Lifts for further instructions.

The battery-operated stackers are designed for in-plant/non-hazardous locations only. These units are not for personnel lifting. All equipment is manually propelled and powered vertical travel.

1.1 Responsibilities of Owner and Users

Basic Principles - Owners/users shall apply sound principles of safety, training, inspection, maintenance to the expected operating environment. It shall be the responsibility of the owner/user to advise the manufacturer where deflection may be critical to the application.

Manuals - Owners/users shall keep and maintain a copy of the operating and maintenance manual(s) and ensure its availability to operating and maintenance personnel.

Inspection and Maintenance - It shall be the responsibility of the users to inspect and maintain the machine as required to ensure proper operation. The frequency of inspection and maintenance shall be based upon the manufacturer's recommendations and be compatible with operating conditions and the severity of the operating environment. Machinery that is not in proper operating condition shall be immediately removed from service until repaired. Maintenance and repairs shall be made by a qualified person and the repairs shall be in conformance with the manufacturer's recommendations.

Maintenance Safety Precautions - Before adjustments and repairs are started on the machine, the following precautions shall be taken as applicable:

1. Remove the load from the platform.
2. Lower platform to the full down position.
3. All controls in the "off" position and all operating features secured from inadvertent motion by brakes, blocks, or other means.
4. Disconnect power and follow established owner/user lockout/tag out policies.
5. Follow precautions and directions as specified by the manufacturer.

Replacement Parts - When parts or components are replaced, they shall be replaced with parts or components approved by the original manufacturer.

Maintenance Training - The user shall ensure only qualified personnel inspect and maintain the machine in accordance with the manufacturer's recommendations.

Operator Training - An owner/user, who directs or authorizes an individual to operate the machine shall ensure that the individual has been:

1. Trained in accordance with the manufacturer's operating manual.
2. Made aware of the responsibilities of operators as outlined in section 1.2 of this manual.
3. Retrained, if necessary, based on the owners/user's observation and evaluation of the operator.

Modifications and additions shall not be performed without the manufacturer's prior written approval. Where such authorization is granted, capacity, operation, and maintenance instruction plates, tags, or decals shall be changed accordingly.

1.2 Responsibilities of Operators

Basic Principles - Operators shall apply sound principles of safety and good judgment in the application, and operation of the machine with consideration given to its intended use and expected operating environment. Since the operator is in direct control of the machine, conformance with good safety practices is the responsibility of the operator. The operator shall make decisions on the use and operation with due consideration for the fact that his or her own safety as well as the safety of other personnel on or near the machine is dependent on those decisions.

General Training - Only personnel who have received general instructions regarding the inspection, application, and operation of machine, including recognition and avoidance of hazards associated with their operation, shall operate the machine. Such topics covered shall include, but not necessarily be limited to, the following issues and requirements:

1. A pre-start inspection
2. Responsibilities associated with problems or malfunctions affecting the operation of the machine
3. Factors affecting stability including moving the machine with the platform as low as possible.
4. The purpose of placards and decals
5. Workplace inspection
6. Safety rules and regulations
7. Authorization to operate
8. Operator warnings and instructions
9. Actual operation of the machine. Under the direction of a qualified person, the trainee shall operate the machine for a sufficient period of time to demonstrate proficiency in actual operation of the machine.

Pre-start Inspection - Before use each day or at the beginning of each shift, the machine shall be given a visual inspection and functional test including but not limited to the following:

1. Operating and emergency controls
2. Safety devices
3. Electrical cables and wiring harness
4. Loose or missing parts
5. Nameplates, precautionary and instructional markings and/or labeling
6. Guarding system
7. Items specified by the manufacturer

Problem or Malfunctions - Any problems or malfunctions that affect the safety of operations shall be repaired prior to the use of the machine.

Before Operations - The operator shall:

1. Read and understand the manufacturer's operating instruction(s) and user's safety rules or have them explained.
2. Understand all labels, warnings, and instructions displayed on the machine or have them explained.

Workplace Inspections - Before the machine is used and during use, the operator shall check the area in which the machine is to be used for possible hazards such as, but not limited to:

1. Bumps, floor obstructions, and uneven surfaces
2. Overhead obstructions and electrical hazards
3. Presence of unauthorized persons
4. Other possible unsafe conditions as noted in the operating manual.

Operator Warnings and Instructions - The operator shall ensure the operation of the machine is in compliance with the following:

1. **Guarding system** - Guarding shall be installed and positioned, and access gates or openings shall be secured per the manufacturer's instructions (If applicable).
2. **Distribution of load** - The load and its distribution on the platform shall be in accordance with the manufacturer's rated capacity for that specific configuration.
3. **Maintaining overhead clearance** - The operator shall ensure that adequate clearance is maintained from overhead obstructions and energized electrical conductors and parts.
4. **Point of Operation** - The operator shall not place any part of their body under the platform.
5. **Precaution for moving equipment** - When other moving equipment or vehicles are present, special precautions shall be taken to comply with the safety standards established for the workplace.
6. **Reporting problems or malfunctions** - The operator shall immediately report to a supervisor any problem(s) or malfunction(s) that become evident during operation. The operator shall ensure all problems and malfunctions that affect the safety of operations are repaired prior to continued use.
7. **Capacity limitation** - Rated capacity and load center shall not be exceeded when loads are transferred to the platform.

8. **Work area** - The operator shall ensure the area surrounding the machine is clear of personnel and equipment before lowering the platform.
9. **Securing the machine** - The operator shall comply with the means and procedures provided to protect against use by an unauthorized person(s).
10. **Altering safety devices** - Safety devices shall not be altered or disabled.
11. **Modifications** or alterations of the machine or the fabrication and attaching of frameworks or the mounting of attachments to the machine or the guarding system shall only be accomplished with prior written permission of the manufacturer.
12. **Assistance to the operator** - If an operator encounters any suspected malfunction or any hazard or potentially unsafe condition relating to capacity, intended use, or safe operation, the operator shall cease operation of the machine and request further instruction from the owner/user.
13. **Problems or malfunctions** - Any problem(s) or malfunction(s) that affect the safety of operations shall be repaired prior to the use of the machine.

1.3 General Description

The Presto Lifts/ECO A Lift'n Buddy series is a battery-operated lifting device moved around manually, used to handle a wide variety of items to reduce heavy and unnatural lifting by personnel. The intention of these models is to improve work life in regards of personal health and safety.

It is important that these lifters are used correctly to handle the required load with respect to the load type, the load center of gravity and the lifting height to achieve a safe balance and operation.

These lifters consists of 3 main components:

Mast

- The mast is a lifting column which is mounted on a “leg & wheel assembly” and used to raise the “lifting tool” suitable for the customers’ requirements.
- The connection between the motor and the cambelt is through a “one-way bearing” (built-in safety feature) which allows the sledge to be raised by the motor and lowered by gravity (not forced downward by the motor).
 1. The lifting function is gained from the electric motor turning the one-way bearing in one direction which drives the cambelt to raise the sledge inside the mast profile.
 2. The lowering function is gained from the electric motor turning the one-way bearing in the opposite direction which releases the locking function of the one-way bearing, allowing the cambelt and sledge inside the mast profile to lower via gravity.
- The mast is mounted on the leg & wheel assembly with bolts.

Lifting Tool

- The platform tool (FLNB200), keg lifter tool (FKL200) or pail lifter tool (FPL200) is mounted onto the mast sledge with bolts. These different tools are specifically unique to each model.

Outriggers & Wheel Assembly

- The outriggers and wheel assembly are used to hold the mast in a vertical position and mounted with rear wheels and a lifting tool so that the lifter can be tilted and manually moved around on a flat, level floor.
- The outriggers are configured with the main purpose of keeping the lifter stable and safe on the floor in the specific configuration of lifting tool, weight, center of gravity of the load and lifting height.

1.4 Construction and Materials

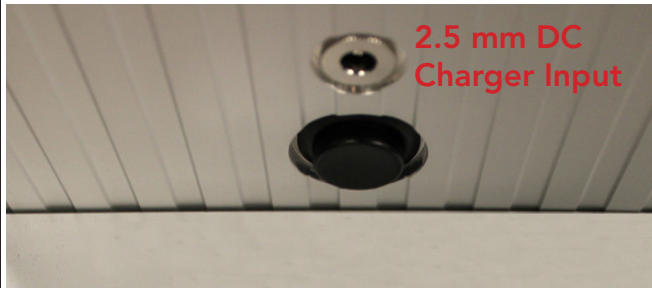
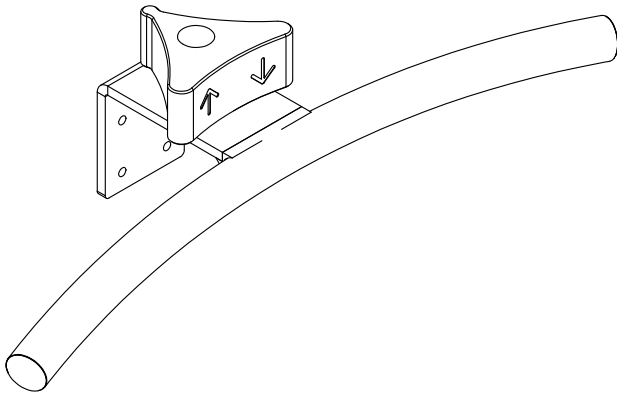
All materials are suitable for use in production, retail, service and distribution.

Part	Material
Mast	Aluminum (AlMg3)
Handle	Powder-Coated Steel (1.0037 / S235)
Sledge	Electro-Galvanized Steel (1.0037 / S235)
Cover for Control Box	Aluminum
Wheel Frame	Powder-Coated Aluminum (5052-H32)
Wheels (FLNB200)	Grey Polypropylene Core
Wheels (FKL200) Front	Grey Thermoplastic Urethane (TPU)
Wheels (FKL200) Rear Rotacaster	Polyurethane Roller on Nylon Bushing
Wheels (FKL200) Rear Wheels	Black Polyurethane
Wheels (FPL200)	Grey Polypropylene Core
Carriage Weldment (Platform)	Powder-Coated Aluminum

1.5 Identifying the Lift'n Buddy Series

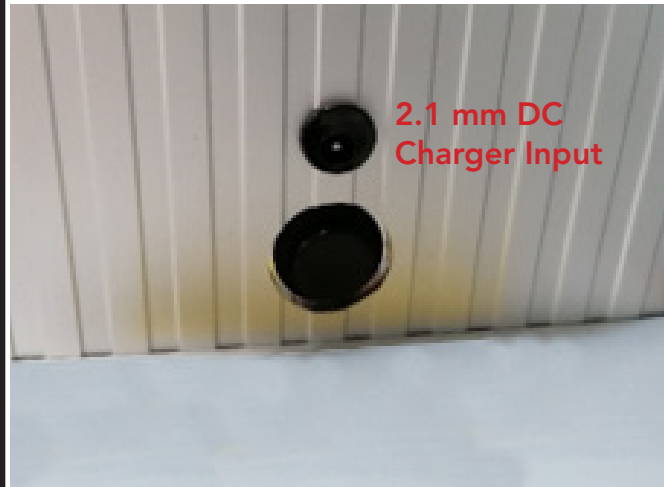
The information contained in this manual covers Lift'n Buddys (S/Ns starting with a V), Keg Lifters (S/Ns after V82125), and Pail Lifters (S/Ns starting with a V) shipped after January, 2023. For machines shipped before February, 2023, please contact customer service. If you are not sure of the date that you actually received your machine, the following images should help you discern this.

Majority of Lift'n Buddys, Keg Lifters and Pail Lifters shipped after January 2023 look like this. Use this manual.



The 2.5 mm DC charger input receptacle has a silver outer ring.

Majority of Lift'n Buddys, Keg Lifters and Pail Lifters shipped before January 2023 look like this. Contact customer service.



The 2.1 mm DC charger input receptacle has a black plastic outer ring.

Differences between the previous and current machines include the controller style, the DC input charging receptacle in the mast, the electrical diagram and a few part numbers.

1.6 Specifications

	Lift'n Buddy (FLNB200)
Weight (lb/kg)	70/32
Raised Height (in/mm)	38-7/8/987 (FLNB200)
Raised Height (in/mm)	59-1/4/1506 (FKL200)
Raised Height (in/mm)	82-1/8/2086 (FPL200)
Lifting Height (in/mm)	37-3/8/949
Max Load (lb/kg) and Load Center of Gravity	200 lb/90 kg - 8 in/203 mm from mast for typical platform (FLNB200) (If other than typical platform, consult Presto Service if not labeled)
Max Load (lb/kg) and Load Center of Gravity	175 lb/79 kg - 8 in/203 mm from mast for standard keg lifting tool (FKL200) (If other than typical platform, consult Presto Service if not labeled)
Max Load (lb/kg) and Load Center of Gravity	200 lb/90 kg - 8 in/203 mm from mast for standard pail lifter tool (FPL200) (If other than typical platform, consult Presto Service if not labeled)
Lifting Speed	4 - 5 in/s or 100 - 125 mm/s
Protection Class	IP41
Batteries	24v DC (2 ea 12v), 7.2 Ah
Charger	100 - 240 V, 50/60 Hz - 2 Amps
Charging Time	4 hours (80%), 5 hours (100%)
Sound Pressure Level	< 70 DB(A)
Vibration Strength	< 2.5 m/s ²

1.7 Loading

The max load is indicated on each individual lifter and the max weight for the platform is indicated on the platform. Consult Presto Service if not labeled. For the standard Lift'n Buddy lifter with platform or the Pail lifter, the load center of gravity of the max load of 200 lb/90 kg is to be no further than 8 in/203 mm from the mast centered on the platform or pail lifter tool. For the standard Keg lifter, the load center of gravity of the max load of 175 lb/79 kg is to be no further than 8 in/203 mm from the mast centered on the keg lifter tool.

1.8 Exception of Liability

- Presto Lifts/ECOAs cannot be held responsible for any modifications on the lift or attached equipment, not authorized by Presto Lifts/ECOAs.
- Do only use original spare parts, otherwise Presto Lifts/ECOAs cannot be held liable for the function and safety of the lift.
- The lifter must only be serviced by a qualified technician, otherwise Presto Lifts/ECOAs cannot be held liable for the function and safety of the lift.

2 SAFETY

All personnel installing, operating, and maintaining this machine shall read and understand this manual. For questions or concerns contact the manufacturer.

2.1 Safety Alert Symbols



A symbol that indicates a hazard. It is composed of an equilateral triangle surrounding an exclamation mark. The safety alert symbol is only used on hazard alerting signs. It is not used on safety notice and safety instructions signs.

A – For use with **DANGER** signal word; (safety white triangle, safety red exclamation mark, safety red background)

B – For use with **WARNING** signal word; (safety black triangle, safety orange exclamation mark)

C – For use with **CAUTION** signal word; (safety black triangle, safety yellow exclamation mark)


D – For use with **DANGER, WARNING, or CAUTION** signal words; (**D** is a safety yellow triangle with a safety black border and safety black exclamation mark);

2.2 Signal Words

DANGER

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

WARNING

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

CAUTION

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

NOTICE

 **NOTICE** Indicates information considered important, but not hazard-related (e.g., messages relating to property damage).

This machine shall be installed, operated, and maintained by trained and/or qualified personnel only. In order to provide for the safe operation of these lifters, Presto Lifts has identified certain hazards that may occur during the initial setup, maintenance and use of these lifts. For safety reasons these units are designed to be serviced or repaired in the fully lowered position. If performed properly, this will greatly reduce the possibility of injury.

2.3 Typographic Convention

The following cautionary symbols may be used in the manual and / or on the lift.



Warning!

This pictogram draws attention to the risk of personal injury.



Warning!

This pictogram draws attention to the risk of personal injury.

- There is a risk of getting your fingers crushed.



Warning!

This pictogram draws attention to the risk of personal injury.

- The lifter must not be used for lifting persons.



Warning!

This pictogram draws attention to the risk of personal injury.

- There should be no body parts below or near the lifting tool when operated up or down.



Warning!

This pictogram draws attention to the risk of personal injury.

- There should be no body parts on top of the front legs steel profile, when the lift is elevated or operated.



This pictogram is posted on the lifter, if the lifter is antistatic. (Option)

2.4 General Safety Precautions During Use

The following guidelines must be observed and followed when using a lift, to prevent personal injury:



- Under no circumstances should the lift elevate more than specified on the label.
- It is of most importance, due to personal safety, that the specified weight, load position, and height are respected and that the lift is not overloaded.



- The lift must not be used for lifting persons.



- No body parts near the sledge or tool at the mast or other lifting equipment when operated up/down.



- Ensure that there is no person below the load, tool and lift when operated.



- There should be no body parts on top of the front legs steel profile, when the lift is elevated or operated.



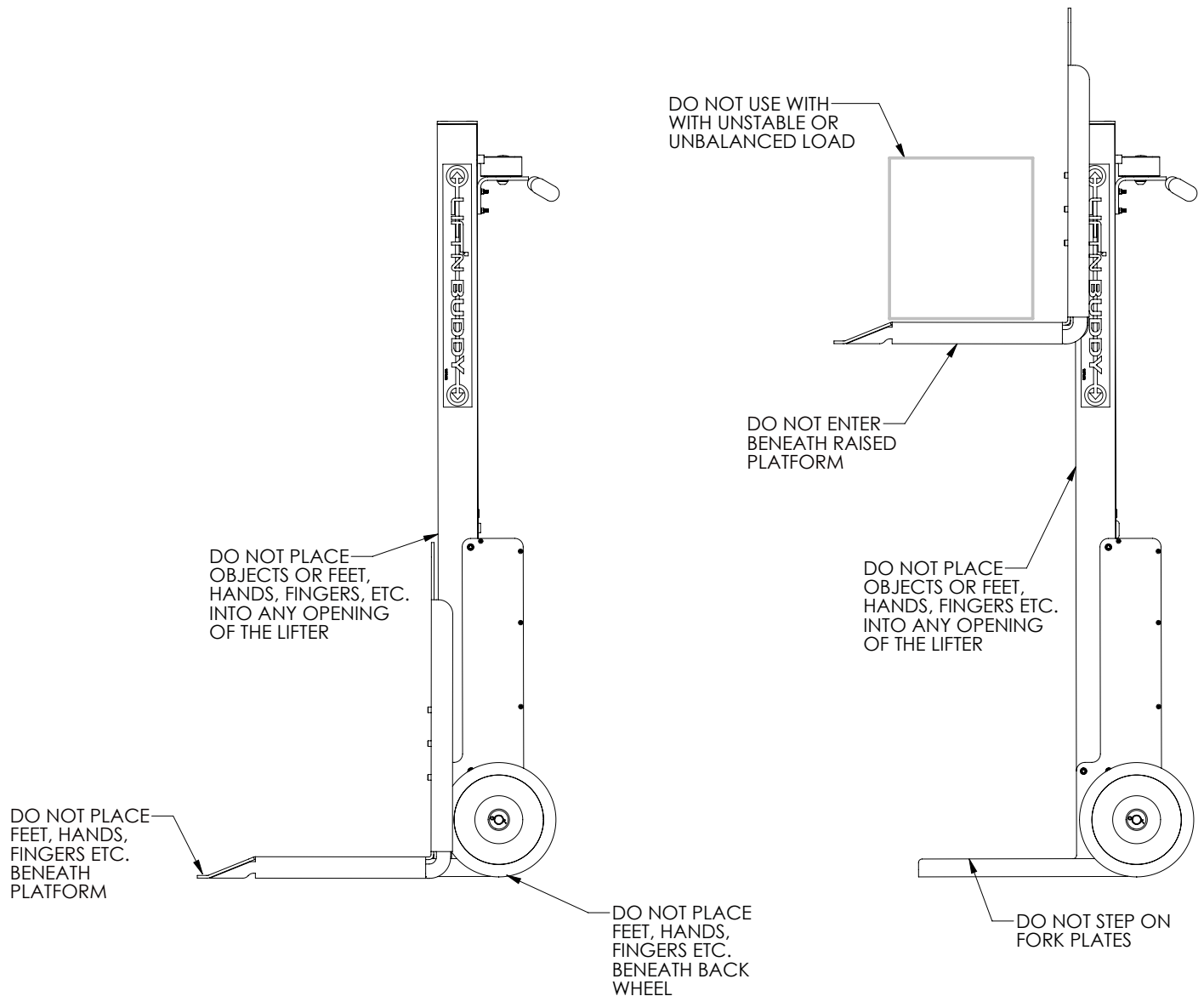
- Only one person must operate the lift at a time.
- The user must read and understand these instructions or must have them explained to them before using the lifter.
- Only use the lift when operated on a hard level surface during lifting or transporting loads.
- When transporting cargo, the load should be lowered to the lowest possible position and secured in order to ensure that the cargo cannot slide.
- Always secure the cargo on the lift when moving.
- Note when not in use or storing, always ensure that the sledge is lowered to the lowest possible position and is free of any items or cargo.
- Operate and store in a clean, dry location with temperature from +5 °C to +40 °C.
- Make sure that the tool is firmly attached to the sledge and no slack occurs in the bolt connection.
- The lifter is to be inspected at least once a year or according to laws, regulations, directives, working conditions and experience. The inspection shall be performed by a skilled technician. Please check your local requirements.
- Do not lift or handle open containers containing corrosive fluids, harmful to people if spilled.
- Light industrial, commercial, laboratory, and office applications.
- Indoor use only.
- Do not use the lifter in explosive or flammable hazard environment.
- Do not use or store in a corrosive environment.
- The load's center of gravity to be no further than 8in/203 mm from the mast.
- The lifter should only be cleaned by wiping with a damp cloth, otherwise water may enter into contacts and control panel.
- The cam belt should be replaced every 8 years or sooner if worn.

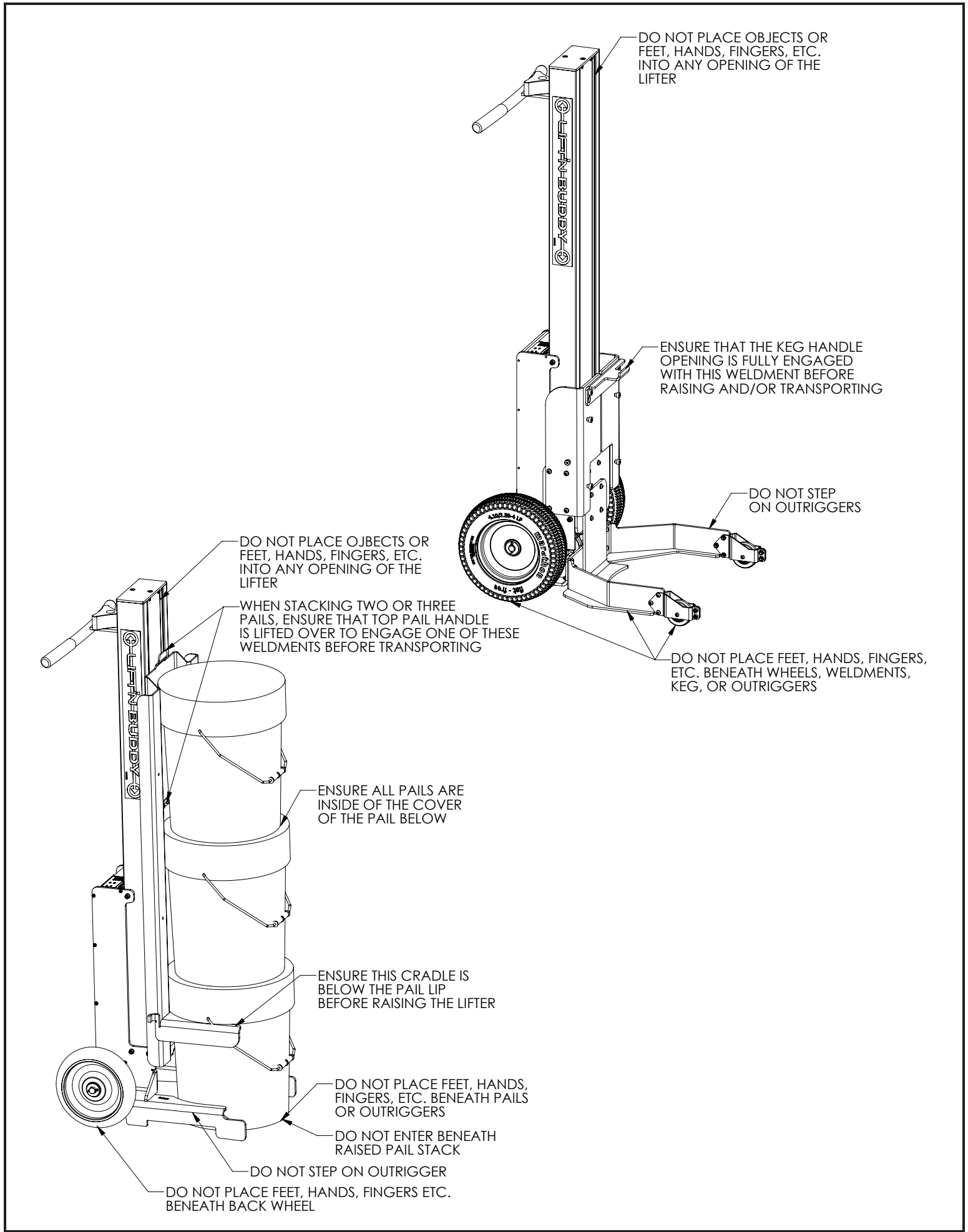
2.5 Residual Risks

⚠ WARNING

There are residual risks for extraordinary wear, material or product failure due to great impact from collision, misuse, obstacle interference, blockade of driveways etc; e.g. a faulty wheel bearing, as a result of a heavy collision.

When shipping the lifter, the sledge must be lowered to the lowest possible position and be free of any items or cargo. Fasten the lifter securely during transport.





DO NOT PLACE OBJECTS OR FEET, HANDS, FINGERS, ETC. INTO ANY OPENING OF THE LIFTER

ENSURE THAT THE KEG HANDLE OPENING IS FULLY ENGAGED WITH THIS WELDMENT BEFORE RAISING AND/OR TRANSPORTING

DO NOT STEP ON OUTRIGGERS

DO NOT PLACE OBJECTS OR FEET, HANDS, FINGERS, ETC. INTO ANY OPENING OF THE LIFTER

WHEN STACKING TWO OR THREE PAILS, ENSURE THAT TOP PAIL HANDLE IS LIFTED OVER TO ENGAGE ONE OF THESE WELDMENTS BEFORE TRANSPORTING

DO NOT PLACE FEET, HANDS, FINGERS, ETC. BENEATH WHEELS, WELDMENTS, KEG, OR OUTRIGGERS

ENSURE ALL PAILS ARE INSIDE OF THE COVER OF THE PAIL BELOW

ENSURE THIS CRADLE IS BELOW THE PAIL LIP BEFORE RAISING THE LIFTER

DO NOT PLACE FEET, HANDS, FINGERS, ETC. BENEATH PAILS OR OUTRIGGERS

DO NOT ENTER BENEATH RAISED PAIL STACK





DO NOT STEP ON OUTRIGGER

DO NOT PLACE FEET, HANDS, FINGERS ETC. BENEATH BACK WHEEL

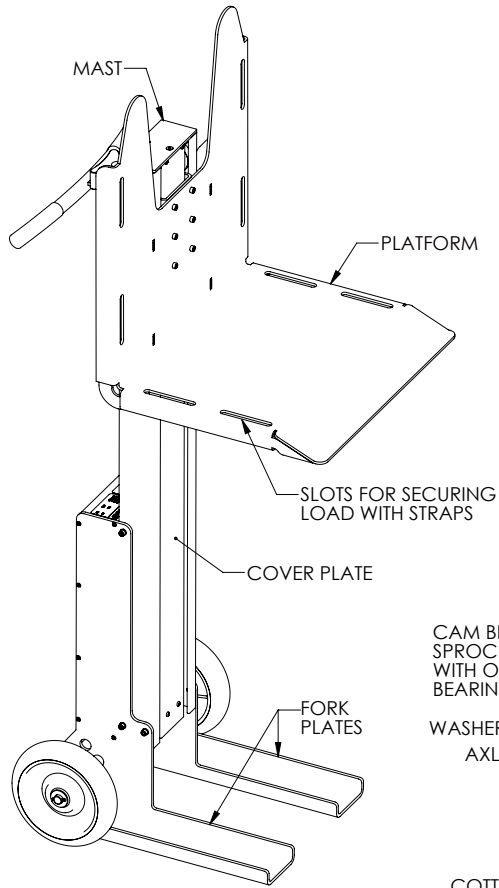
3 LABELS

If any of the labels below become illegible, contact Presto Lifts Parts Department to order replacement ones.

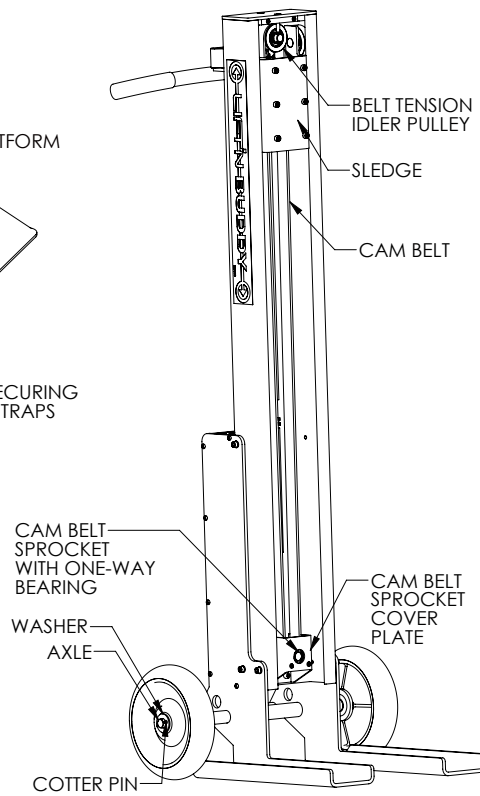
Item 1	Located on back side of mast on top left of battery cover (Part # 10079930)	Item 2	Located on back side of mast on top right of battery cover (Part # 10115264)
Serial ID		Capacity	
 <p>Presto Lifts 50 Commerce Way Norton, MA 02766</p> <p>Presto <small>LIFTS</small></p> <p>Model No:</p> <p>Serial No:</p> <p>www.PrestoLifts.com</p> <p>Sales, Parts and Service 800-343-9322 or 508-952-4000</p>		 <p>Presto Lifts 50 Commerce Way Norton, MA 02766</p> <p>Presto <small>LIFTS</small></p> <p>Serial No:</p> <p>ATT 1 Type:</p> <p>ATT 1 Cap.: LBS. LC.</p> <p>ATT 2 Type:</p> <p>ATT 2 Cap.: LBS. LC.</p>	
Item 3	Located on back side of mast on face of battery cover (Part # 30000414)	Item 4	Located on back side of mast on face of battery cover (Part # 10095524)
Help Line		Warning Cancer and Reproductive	
 <p>HELP LINE</p> <p>If you are not satisfied in any way contact</p> <p>Presto <small>LIFTS</small></p> <p>Parts or Service</p> <p>1-800-343-9322</p>		 <p>⚠ WARNING</p> <p>Cancer and Reproductive Harm -</p> <p>www.P65Warnings.ca.gov</p> <p>10095524</p>	
Item 5	Located on back side of mast on face of motor cover (Part # C157)	Item 6	Located on back side of mast on face of battery cover (Part # 10116654)
Do not Stand on Fork		Lift'n Buddy Label	
 <p>Two side-by-side signs showing a person standing on a forklift fork with a red prohibition symbol over it.</p>		 <p>LIFT'N BUDDY</p> <p>10116654</p>	

Item 7	Located on upmost right and left sides of mast (Part # 10116671)	Item 8	Top of front face of mast (Part # 81990032)
Lift'n Buddy Label			
			
Item 9	Top of front face of mast below item 8 (1 of Part # 81990040)	Item 10	Top of front face of mast below item 9 (2 of Part # 81990040)
			

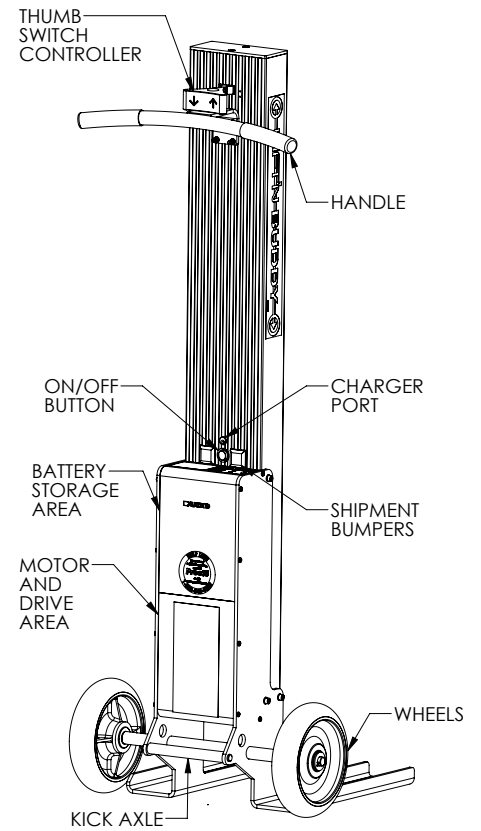
4 KEY COMPONENTS (FLNB200, FKL200, FPL200)

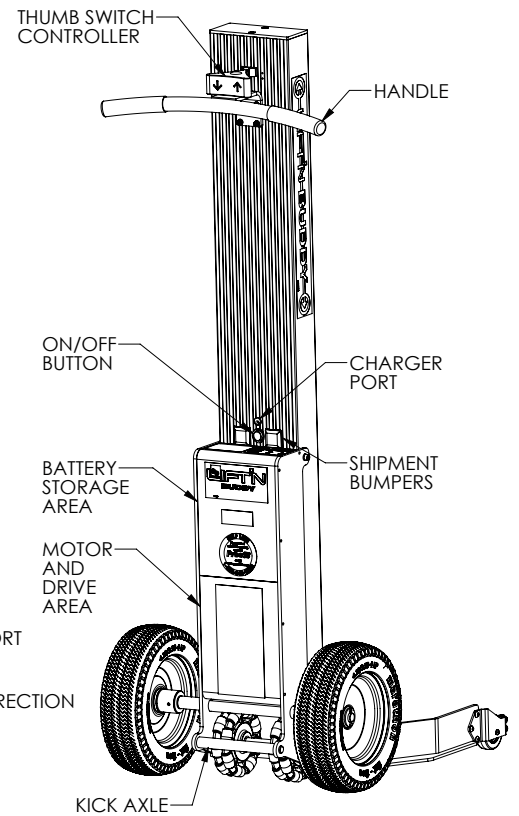
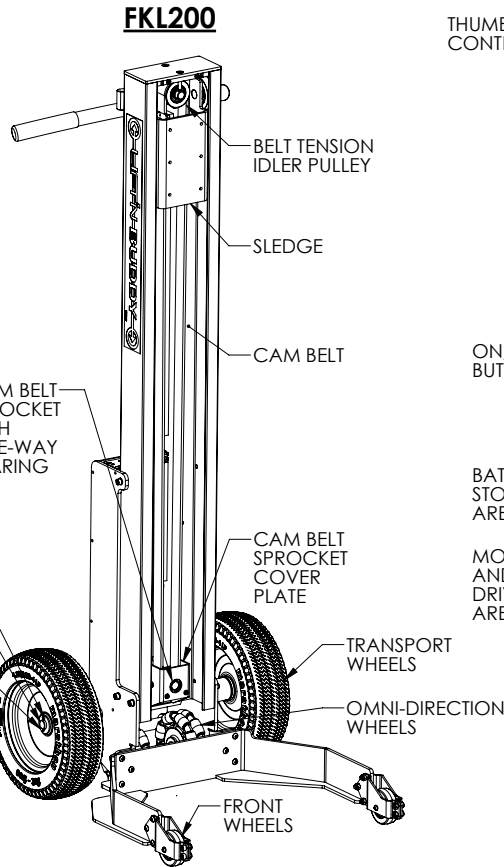
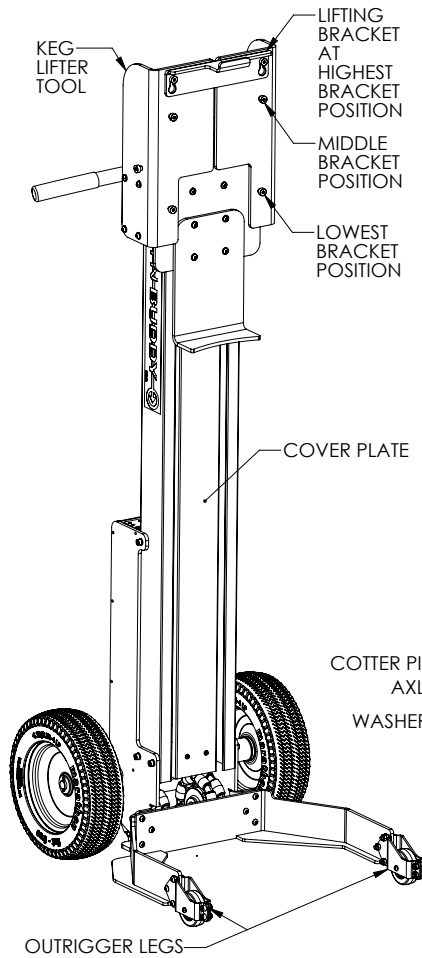


FLNB200

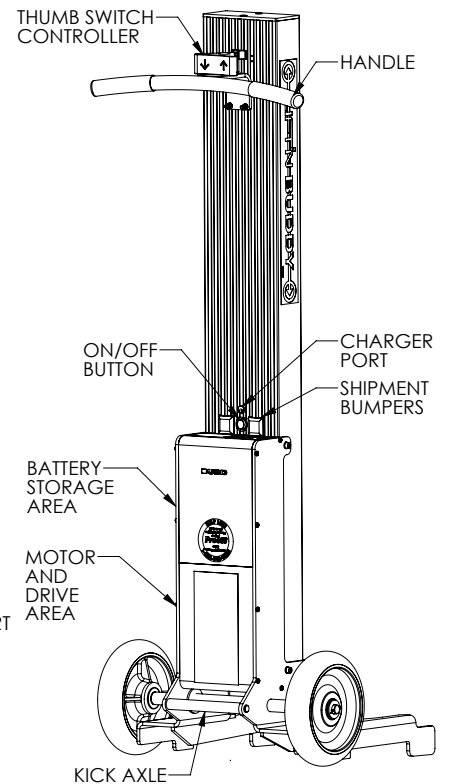
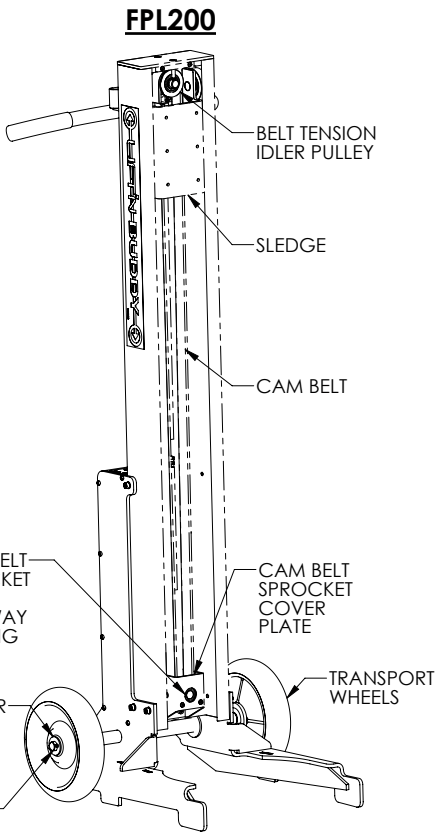
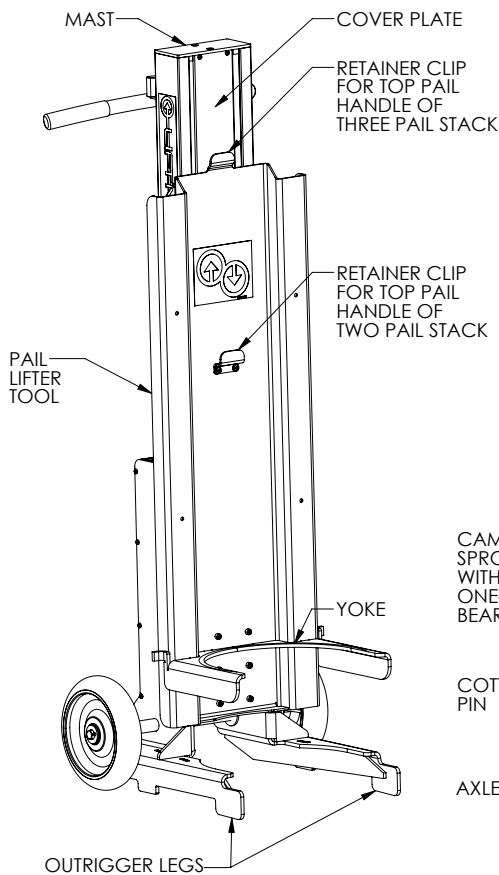


COVER PLATE AND PLATFORM
HIDDEN FOR CLARITY





COVER PLATE AND KEGLIFTER TOOL
HIDDEN FOR CLARITY



COVER PLATE AND PAIL LIFTER TOOL
HIDDEN FOR CLARITY

5 INITIAL SETUP

Setup of this machine shall be performed by trained and/or qualified personnel only. The owner/ installer is responsible obtaining any necessary permission and/or permits. The owner/ installer is responsible for compliance with all applicable codes and ordinances. Read and understand all safety and setup information in this manual.

Unless otherwise stated this machine shall only be used indoors in light industrial, commercial, laboratory, and office applications. It should not be exposed to the elements. It shall be setup and operated on a solid, smooth and level surface capable of supporting the machine and its maximum rated capacity.

Before setup, remove all shipping materials and verify all components on the packing list were received. Inspect the machine, all components, wiring, electrical connections for damage. Presto Lifts tests and inspects every piece of equipment prior to shipment. If damage is apparent, a freight claim must be filed with the freight company. If components are missing, contact the freight company and/or the manufacturer before continuing initial setup.

With the lift in a lowered position, check for signs of damage especially to the back cabinet that houses the battery, control board and drive mechanism, check base frame for dimensions and structural integrity, inspect for any bent or damaged metal parts, ensure battery cables are connected to the batteries and ensure the batteries are fully charged before using. See **Batteries, Connectors, and Chargers** section.

DANGER

High Voltage: Electrical service and initial setup must be performed by trained and/ or qualified personnel. Disconnect the charger before repairing the Lifter. The charger is equipped with an AC electric cord having an equipment-grounding conductor and ground plug. Never alter this cord/plug. It must be inserted into a properly installed/specified outlet in accordance with all local codes and ordinances.

DC motors and AC chargers can create sparks. Do not set up this machine in an area where flammable gases may be present.

All electrical components must be protected from wet and/or dirty environments unless specifically configured for such environments.

Pinch points and Crush Hazards exist when moving and transporting the machine. Do not enter under any equipment while moving or transporting. Keep hands, feet, and loose clothing away from moving equipment.

Never enter beneath the raised platform, pail lifting tool or keg lifting tool unless the machine is unloaded and secured against lowering.

Loads that may shift during operating must be secured before operating.

⚠ WARNING

Keep hands, feet, and loose clothing away from moving parts.

No personnel are permitted on the platform, keg lifting tool or pail lifting tool. Do not sit, stand, or ride.

Do not load or unload the machine while moving.

When transporting a load, it shall be lowered to the lowest possible position and secured to ensure the load cannot slide.

This machine does not have safety toe guard protection.

The load's center of gravity must be maintained within the area indicated in the Loading section. Uneven or off-center loading may cause excessive wear or permanent damage or the load could fall and cause injury.

1. After removing all shipping materials, ensure the on/off pushbutton switch is off. The off position is out.



PUSHBUTTON OFF



PUSHBUTTON ON

2. Fully charge the lifter. See **Batteries, Connectors, and Chargers** section.
3. Disconnect the battery charger.
4. It is now ready for operation.

6 OPERATION

This machine is to be operated by trained and/or qualified personnel only.

Before operating this machine, read and understand this manual. Inspect the machine for obvious wear and/ or damage. If excessive wear or damage is found, remove the machine from service and contact maintenance personnel. Do not operate this machine until all necessary repairs are completed. Inspect all precautionary labeling. If any label is missing or illegible contact the manufacturer for replacement labels. Ensure area is free of debris.

DANGER

Pinch points and Crush Hazards exist when moving and transporting the machine. Do not enter under any equipment while moving or transporting. Keep hands, feet, and loose clothing away from moving equipment.

Never enter beneath the raised platform, pail lifting tool or keg lifting tool unless the machine is unloaded and secured against lowering.

Loads that may shift during operating must be secured before operating.

Keep hands, feet, and loose clothing away from moving parts.

No personnel are permitted on the platform, keg lifting tool or pail lifting tool. Do not sit, stand, or ride.

Do not load or unload the machine while moving.

The load's center of gravity must be maintained within the area indicated in the Loading section. Uneven or off-center loading may cause excessive wear or permanent damage or the load could fall and cause injury.

When transporting a load, it shall be lowered to the lowest possible position and secured to ensure the load cannot slide.

Visually inspect the unit for damage before each use.

Power ON / OFF switch

Turn ON the lifter to use. (Pushbutton pushed in for ON.) Turn OFF when not in use.

NOTICE

Note: It is recommended that when the lift is not in use it be placed on the charger.



PUSHBUTTON OFF



PUSHBUTTON ON

Thumb Switch Controller

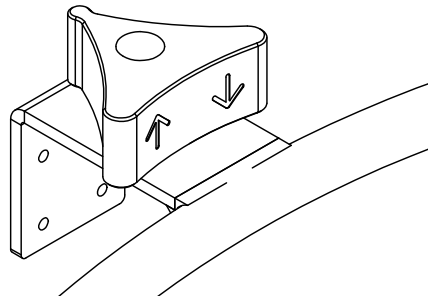
This is used to operate the lifting and lowering function.

Press and hold the up arrow to raise the platform, keg lifting tool or pail lifting tool.

Release to stop it.

Press and hold the down arrow to lower the platform, keg lifting tool or pail lifting tool.

Release to stop it.



6.1 Safety Areas and Distance

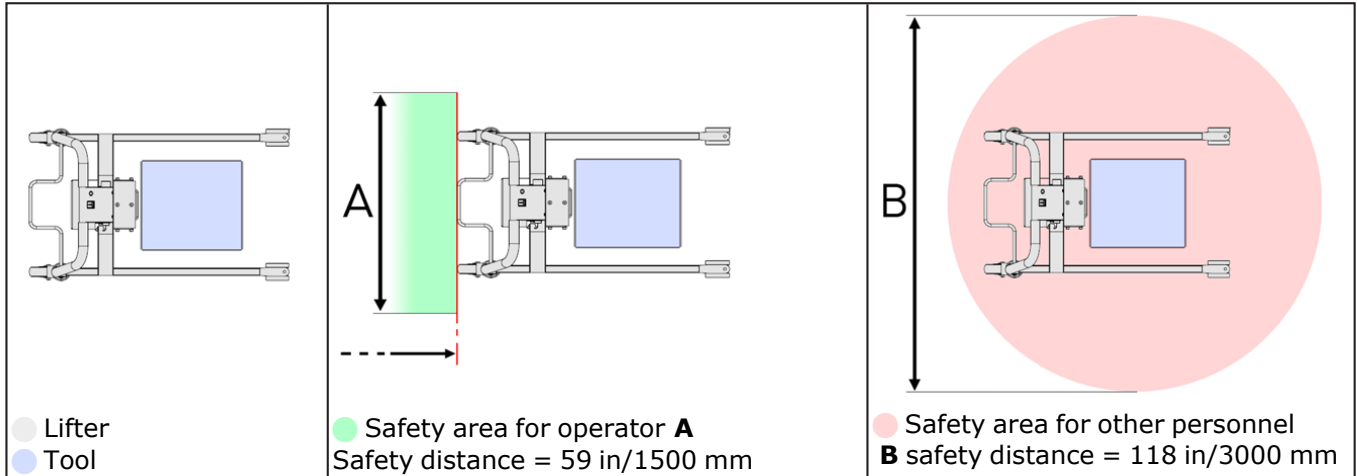


Safety when operating the tool

The operator must ensure that the tool is clear of obstacles before lifting, lowering or rotating. The operator must warn other personnel before lifting, lowering or using the tool.

When lifting or lowering the tool, the operator must:

- stand behind the wheels of the lifter as illustrated below (● A).
- ensure that all other personnel are out of the danger zone as illustrated below (● B).



6.2 FLNB200 - Lift'n Buddy

The Lift'n Buddy is used for loading and unloading items on rack and shelving, building displays, workbenches, trucks and vans and more and for transporting them to/from other locations. Slots are provided on the platform to allow securing loads with bungees or straps when transporting. Raise or lower level of top of platform or already stacked items to ergonomically transfer additional items on or off. As the images below illustrate, this model may be used to stack a load before transporting. To review it being operated, scan the QR code below to access a video prepared for this purpose.



CAUTION

Ensure platform is fully lowered before tilting to transport.

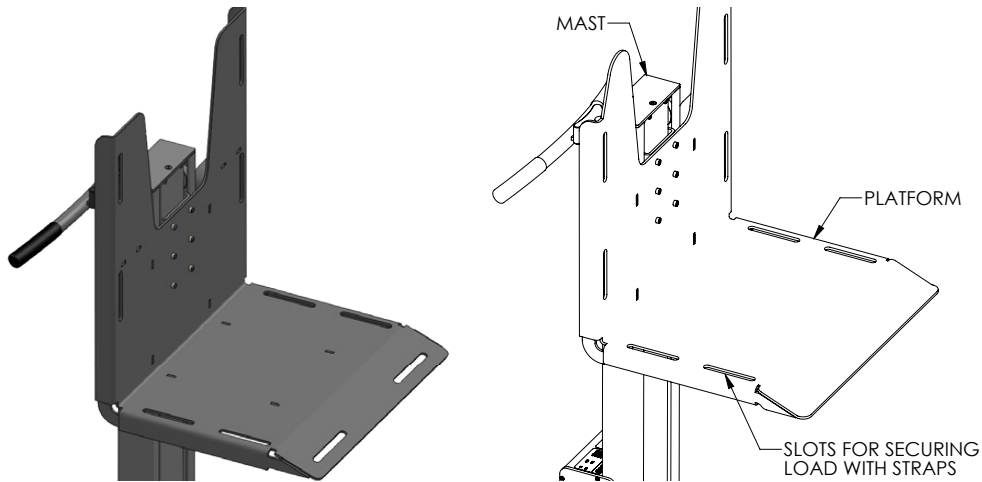
Do not stack load too high as a heavier load will be more difficult to keep upright when tilting for transport.

Familiarize yourself with the key components and residual risks associated with this model. Refer to the **Key Components and Residual Risks** sections.

The capacity of this machine is 200 lbs. uniformly loaded with a 8" load center. The platform tool can be used to handle various items or boxes. Use the lifter to raise or lower the platform level with an object to be moved. With little effort the object can be pulled onto the platform.

⚠ CAUTION

Boxes handled with the platform tool must not be substantially larger than the platform as there is a risk of item falling off and potentially causing damage to the lifter or item or injury to the operator. Use the slots in the tool to thread straps through to secure loads for transport if necessary.



Rest one of your feet against the kick axle when tilting the load back onto the wheels before transporting or when tilting load back onto the fork plates. Do not load onto the platform more weight than you can transport comfortably and transport and only transport with the load at its lowest position. Keep the load fully lowered before tilting the Lift'n Buddy to transport.

6.3 FKL200 - Keg Lifter

The Keg Lifter is used for stacking & unstacking kegs, loading & unloading shelves in store rooms, coolers or tap rooms, or loading customer vehicles. It works with a variety of keg sizes and styles. Wheel the Keg Lifter up to a keg and engage the lifting bracket with the keg's top handle. The bracket design ensures the keg is held firmly and securely in place while lifting, lowering or transporting. The bracket is also adjustable to 3 different heights. When the Keg Lifter is not being tilted onto the large pneumatic transport wheels, maneuvering it is easy, as the omni-directional wheels in the rear of the unit (between the transport wheels) and the two front wheels are touching the floor, and the transport wheels are slightly off the floor. The Keg Lifter may be turned around 360 degrees with a modest effort. Raise or lower the level of bottom of the keg to transfer onto another keg or onto a shelf, truck bed or the floor. As the images below illustrate, this model may be used to stack/unstack or transport a keg to a new location. To review it being operated, scan the QR code below to access a video prepared for this purpose.



CAUTION

Ensure bottom of keg is raised just enough off the floor to ensure that the bracket has engaged the keg handle securely before tilting to transport.

Do not raise the keg any higher than just off the floor to keep upright when tilting for transport.

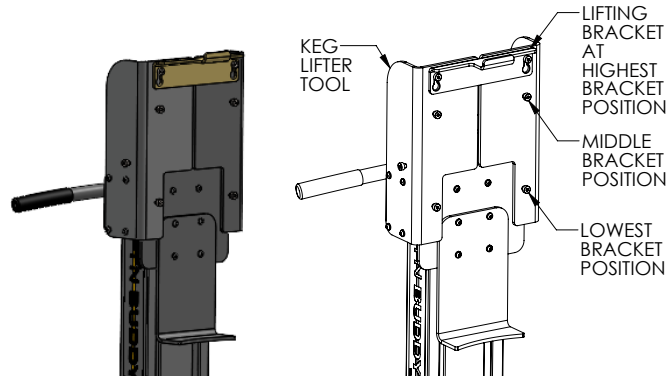
The Keg Lifter is meant to transport only one keg at a time.

Familiarize yourself with the key components and residuals risks associated with this model. Refer to the **Key Components and Residual Risks** sections.

The capacity of this machine is 175 lbs. uniformly loaded with a 8" load center. The keg lifting tool can handle various size kegs. Use the lifter to raise or lower the tool to level with the opening of the keg handle. With little effort the lift can be pushed to engage the keg. The lifting bracket may be placed into one of three potential locations to fit the keg size needed.

⚠ CAUTION

Kege handled with the keg lifting tool must fit onto the upper bracket securely as there is a risk of the keg falling off and potentially causing damage to the lifter, keg, or item or injury to the operator.



Rest one of your feet against the kick axle when tilting the load onto the transport wheels before transporting or when tilting load back onto the outriggers. Keep the keg raised only high enough for the bracket to support its weight before tilting the Keg Lifter to transport.

6.4 FPL200 - Pail Lifter

The Pail Lifter is used for stacking & unstacking up to three 5-gallon paint pails, loading & unloading shelves in store rooms or loading & unloading customer vehicles. Wheel the Pail Lifter up to a pail and once surrounding the pail, raise the lifting tool (yoke) to engage the pail collar. Once the pail is slightly off the floor, the Pail Lifter may be tilted to transport to another location. For moving a stack of 2 or 3 pails, the top pail must have its handle recessed into the available retainer clips before attempting to raise and/or transport the load. Raise or lower the level of bottom of the pail stack to transfer onto another pail or onto a shelf, truck bed or the floor. As the images below illustrate, this model may be used to stack/unstack or transport one pail, a stack of two pails, or a stack of three pails to a new location. To review it being operated, scan the QR code below to access a video prepared for this purpose.



CAUTION

Ensure bottom of pail or pail stack is raised just enough off the floor to ensure that the pail lifting tool (yoke) has engaged the lowest pail collar securely before tilting to transport.

For stacks of 2 pails or 3 pails, ensure that the top pail handle is recessed into the available retainer clip before tilting to transport.

Do not raise the keg any higher than just off the floor to keep upright when tilting for transport.

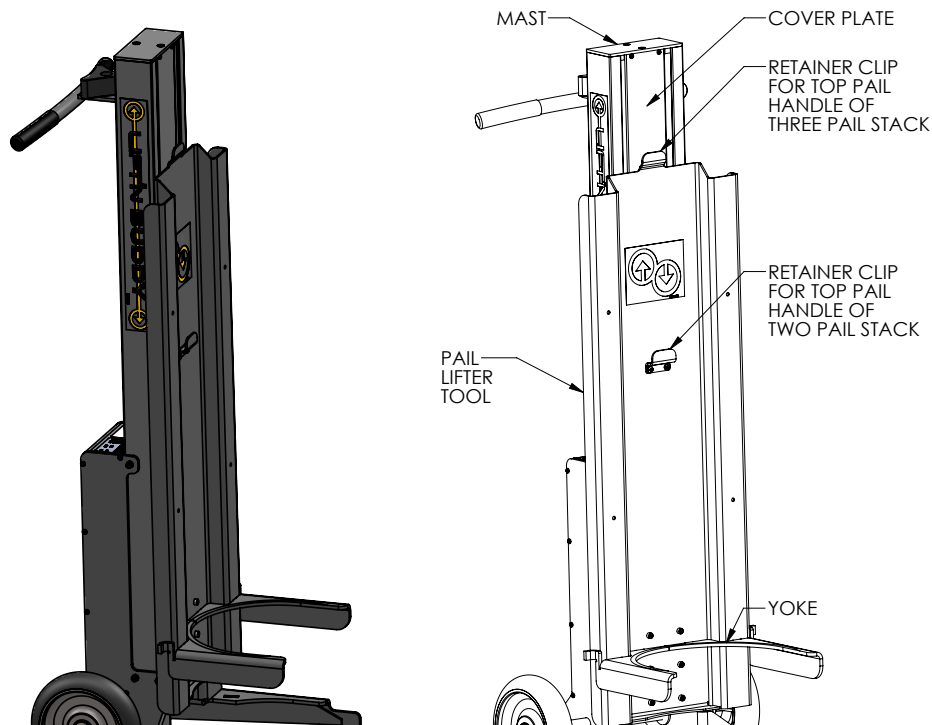
The Pail Lifter is meant to transport one, two, or three pails at a time.

Familiarize yourself with the key components and residual risks associated with this model. Refer to the **Key Components and Residual Risks** sections.

The capacity of this machine is 200 lbs. uniformly loaded with a 8" load center. The pail lifting tool can be used to handle one to three plastic pails with covers. Use the lifter to raise or lower the tool to just below the lip of the lowest pail to be moved. With little effort the lift can be pushed to engage the pail.

⚠ CAUTION

Pails handled with the pail lifting tool must not be metal as there is a risk of the pails falling off and potentially causing damage to the lifter, pails or injury to the operator. One pail does not have to have the handle secured to the tool before lifting or transport. For stacks of two or three pails, the top pail handle must be secured to the tool before raising and transporting.



Rest one of your feet against the kick axle when tilting the load onto the transport wheels before transporting or when tilting load back onto the outriggers. Keep the pail/pails raised only high enough for the lifting tool (yoke) to support its weight before tilting the Pail Lifter to transport.

6.5 Batteries, Connectors, and Chargers

The two 12v batteries included with this lifter are wired in series to provide a 24v DC circuit. See Electrical Schematic - Softstart section for details on the specific wiring.

If replacement is needed, see below. Note the position of the batteries and the battery cables. Replace both batteries at the same time. Use Torx20 driver to remove cover screws.



The batteries are charged using an external AC/DC charger. They should be charged daily, as total discharge can damage the batteries or shorten their life. Runtime per charge will vary based on the loads raised and the frequency of use. When batteries are fully charged, turn OFF the lifter when not in use. (Pushbutton out for OFF.)

Our typical charger is shown below and includes a grounded (3-prong) AC plug that plugs into a typical 115v 60 hz wall receptacle. The other end includes a 2.1mm ID with 2.1 mm to 2.5mm ID adapter connector that plugs into the mast DC input receptacle. The 2.1 mm ID connector allows charging our older models shipped before February 2023 and the 2.5 mm ID connector allows charging our newer models sold after January 2023.



NOTICE

• Ensure the 2.5mm charger adapter is used when charging machines with a 2.5mm charging input receptacle.

NOTICE

The 2.5 mm ID connector will still physically fit into the older model 2.1 mm pin OD mast receptacles, however the electrical connection will not be stable enough to sustain a charging voltage/current to successfully charge the batteries. See information below for discerning the difference between these two versions of mast receptacles.



2.1mm

2.5mm

The images to the left above and below show an older model mast with black plastic round receptacle (2.1mm). The images to the right above and below show a newer model mast with metal round receptacle (2.5mm). Ensure the correct connector is used.



2.1 mm



2.5 mm

NOTICE

The Lifter on/off switch to be off when charging the batteries. Pushbutton out for OFF.



PUSHBUTTON OFF



PUSHBUTTON ON

The charger automatically charges the batteries until the batteries are fully charged. At that time, the LED charger indicator will change from orange to green. The batteries are fully charged after approximately 5 hours.

LED Charger Indicator

- Orange: The charger is connected to main power and charging.
- Green: DC connector open or float charging and ready for use. Ensure the DC connector to the mast is fully engaged when first inserting it. Plugging in the charger into a 115v AC outlet without connecting the DC connector to anything will also illuminate the green LED.

CAUTION

Safety when charging - Use only the original charger and 2.5 adapter. Check that the wires are in good condition and connected properly before applying power. Make sure there is no dirt or water in/on the DC connector or the AC plug.

Do not operate the lifter while charging.

7 MAINTENANCE AND INSPECTION

All Presto Lifts products are designed for minimum maintenance, however some safety checks and maintenance are required.

DANGER

High Voltage: Electrical service must be performed by trained and/ or qualified personnel. Disconnect the charger before repairing the Lifter. The charger is equipped with an AC electric cord having an equipment-grounding conductor and ground plug. Never alter this cord/plug. It must be inserted into a properly installed/ specified outlet in accordance with all local codes and ordinances.

DC motors and AC chargers can create sparks. Do not set up this machine in an area where flammable gases may be present.

All electrical components must be protected from wet and/or dirty environments unless specifically configured for such environments.

Pinch points and Crush Hazards exist when moving and transporting the machine. Do not enter under any equipment while moving or transporting. Keep hands, feet, and loose clothing away from moving equipment.

Never enter beneath the raised platform, pail lifting tool or keg lifting tool unless the machine is unloaded and secured against lowering.

No personnel are permitted on the platform. Do not sit, stand, or ride.

Loads that may shift during operating must be secured before operating.

Keep hands, feet, and loose clothing away from moving parts.

Turn off the Lifter, disconnect the charger and disconnect the battery circuit before performing any electrical component or cam belt repair or replacment to avoid injury. When disconnecting the batteries, see the Battery Wiring Instructions of the Electrical Schematic.

Always use appropriate Personal Protective Equipment when performing maintenance or repair.

Do not load or unload the machine while moving.

CAUTION

No personnel are permitted on the platform, keg lifting tool or pail lifting tool. Do not sit, stand, or ride.

When transporting a load, it shall be lowered to the lowest possible position and secured to ensure the load cannot slide.

This machine does not have safety toe guard protection.

The load's center of gravity must be maintained within the area indicated in the Loading section. Uneven or off-center loading may cause excessive wear or permanent damage or the load could fall and cause injury.

7.1 Daily Checks

Presto Lifts strongly recommends the following checks to be carried out on a daily basis and before using the lift. Ensure that the lift is functioning as intended. If in doubt, do not use.

- The lifter must be free of dirt or debris which could affect safe operation
- Ensure all labels are present, without damage and are readable
- Ensure no signs of wear, unusual sounds or visual defects
- Ensure bolts, nuts and rivets are not loose
- Ensure the lifter moves freely on its wheels
- Ensure control unit is in working order

7.2 Semi-Annual Checks

Maintenance on critical components must be performed by a qualified technician.

7.2.1. Critical Components

The critical components listed below must be replaced within the intervals stated to ensure that the lifter is in safe, operational condition.

Cam Belt - Replace when/if any of the observations below occur (see Cam Belt and Sprocket Replacement section):

- Any sign of wear, visual cracks, or discolor
- Under normal use (use < 20 lifts per day average over a year), replace after 8 years
- Under intensive use (use > 20 lifts per day average over a year), replace after 4 years

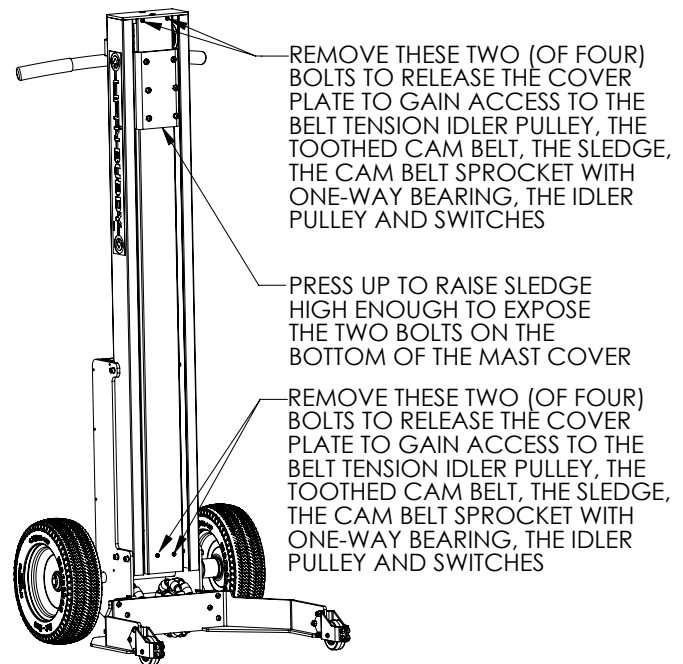
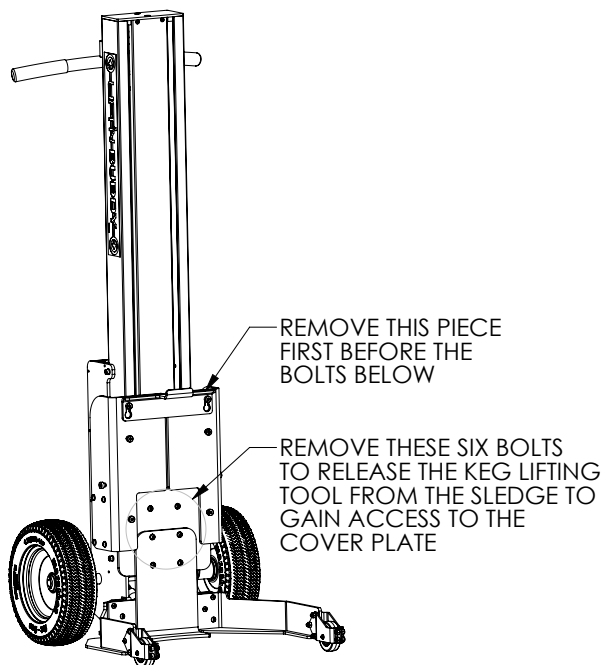
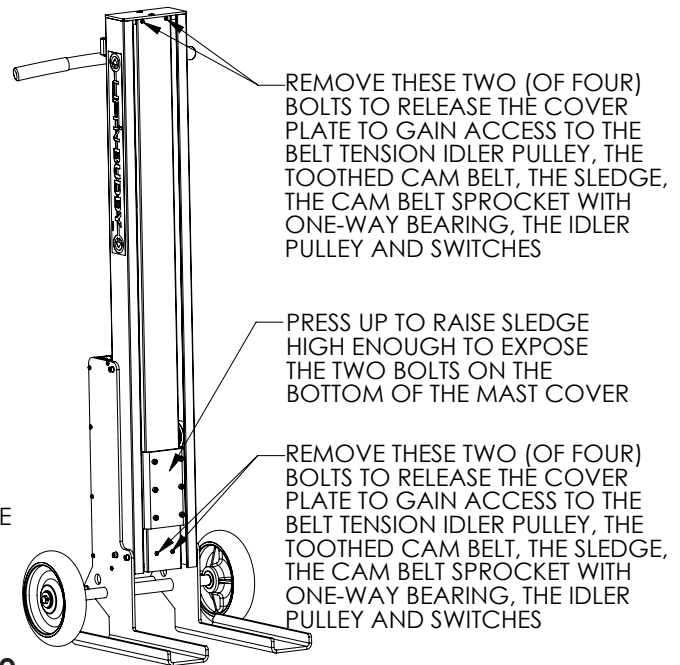
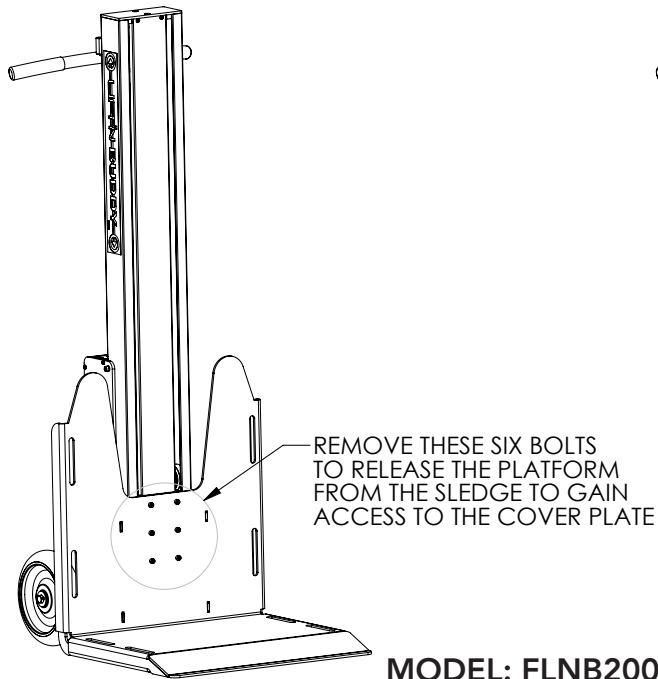
One Way Bearing - Replace when/if any of the observations below occur (see Cam Belt and Sprocket Replacement section):

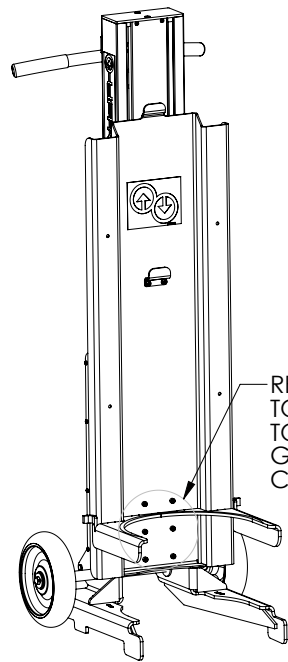
- Any sign of wear, unusual sounds or visual defects
- Under normal use (use < 20 lifts per day average over a year), replace after 8 years
- Under intensive use (use > 20 lifts per day average over a year), replace after 4 years

7.3 Cam Belt Adjustment

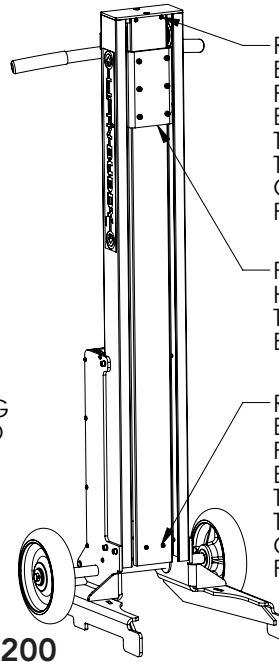
The cam belt moves the sledge on which the platform is mounted. The cam belt should be regularly inspected (semi-annually) for wear and tear.

Depending on your model below, remove the six bolts securing the lifter application tool to the sledge and release the tool and set aside.





REMOVE THESE SIX BOLTS TO RELEASE THE PAIL LIFTING TOOL FROM THE SLEDGE TO GAIN ACCESS TO THE COVER PLATE



REMOVE THESE TWO (OF FOUR) BOLTS TO RELEASE THE COVER PLATE TO GAIN ACCESS TO THE BELT TENSION IDLER PULLEY, THE TOOTHED CAM BELT, THE SLEDGE, THE CAM BELT SPROCKET WITH ONE-WAY BEARING, THE IDLER PULLEY AND SWITCHES

PRESS UP TO RAISE SLEDGE HIGH ENOUGH TO EXPOSE THE TWO BOLTS ON THE BOTTOM OF THE MAST COVER

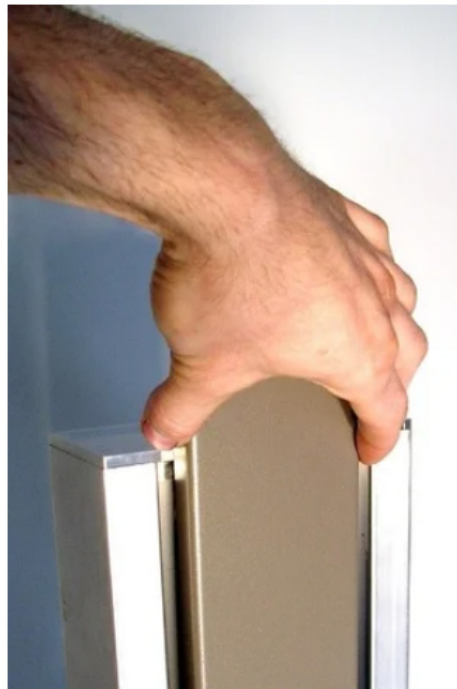
REMOVE THESE TWO (OF FOUR) BOLTS TO RELEASE THE COVER PLATE TO GAIN ACCESS TO THE BELT TENSION IDLER PULLEY, THE TOOTHED CAM BELT, THE SLEDGE, THE CAM BELT SPROCKET WITH ONE-WAY BEARING, THE IDLER PULLEY AND SWITCHES

MODEL: FPL200

Raise the sledge just enough to expose the two bolts at the bottom of the cover plate.

Remove all four (two upper and two lower) bolts to release the cover plate.

Remove (slide upward) the cover plate and set aside to gain access to view the cam belt.



The belt should have a springy feeling and should only deflect approximately 10 mm under moderate thumb pressure. If the belt deflects more, tighten. The belt may also be checked using a belt tension tester as illustrated below.



Locate the two screws on top of the mast. To tighten the toothed cam belt, turn the two screws clockwise with a 4 mm hex key. Tighten the screws the same amount and check the tension of the toothed cam belt for every time the screws are tightened a quarter turn.

In the case where the cam belt is not properly aligned (when viewing the belt position on the belt tension idler pulley (top of mast)), tighten the screw in the side the cam belt is drifting towards. Tighten one quarter turn at a time and run the sledge up and down intermediately to check alignment. Keep adjusting to the desired result.

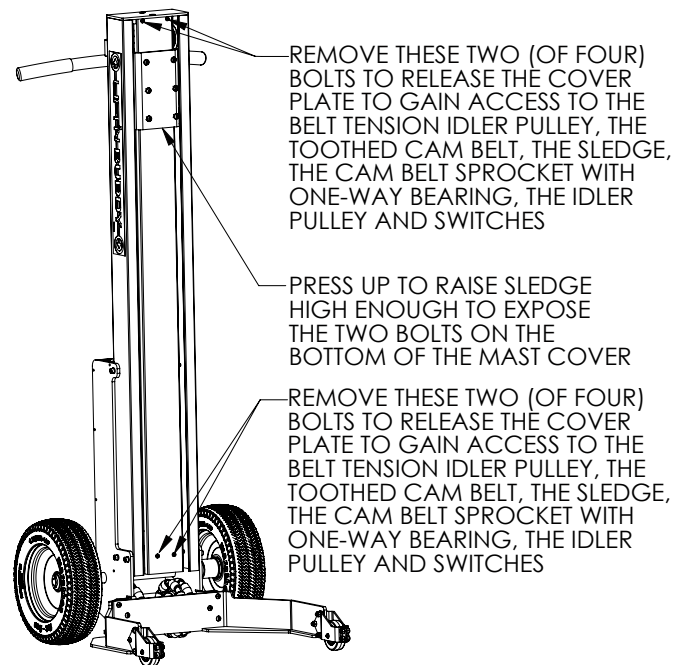
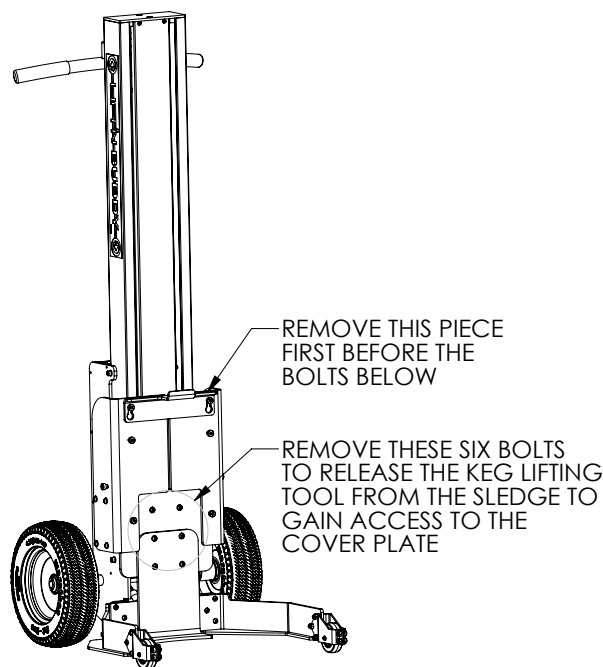
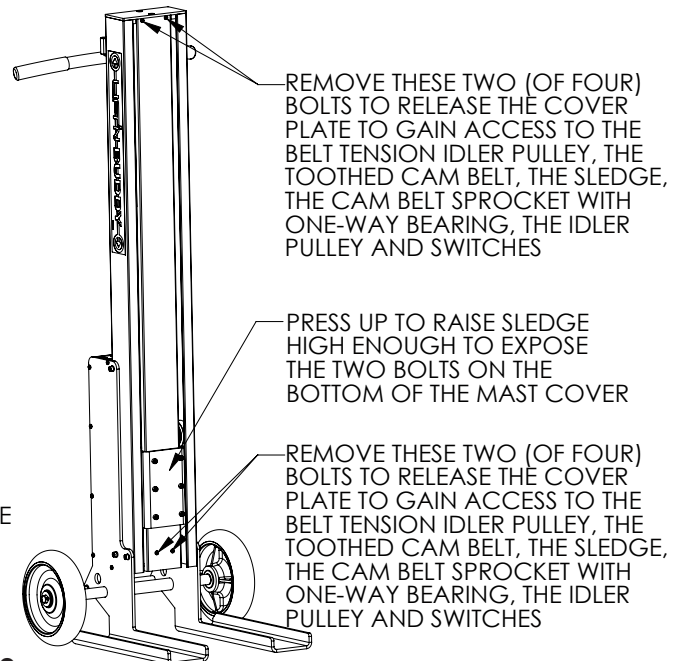
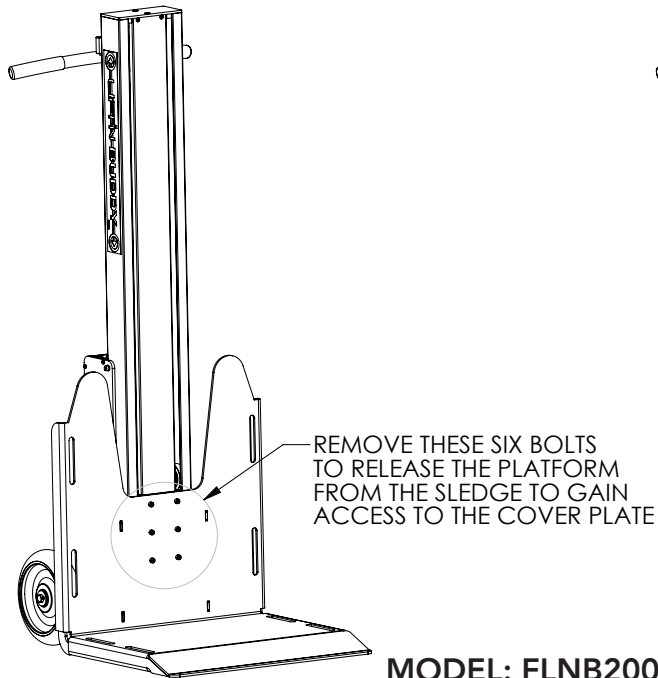


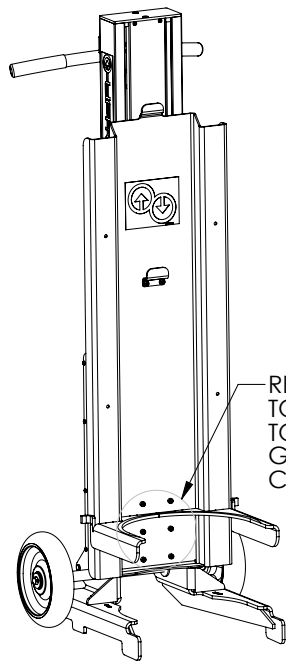
The belt tension for the FLNB200 should measure 33 hz on a belt tension tester.
Add front cover and run the final lifting test.

7.4 Cam Belt and Sprocket Replacement

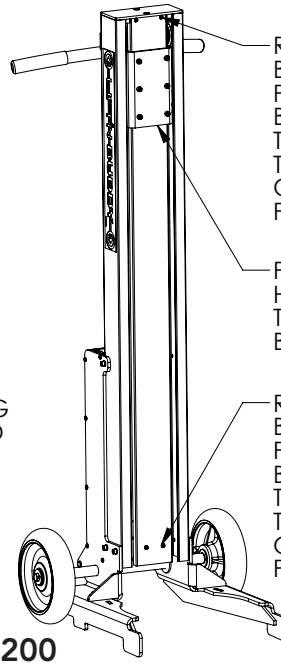
This section exposes various parts inside the mast including the belt tension idler pulley (top of mast), the toothed cam belt, the sledge, the cam belt sprocket with one-way bearing (bottom of mast) and switches.

Depending on your model below, remove the six bolts securing the lifter application tool to the sledge and release the tool and set aside.





REMOVE THESE SIX BOLTS TO RELEASE THE PAIL LIFTING TOOL FROM THE SLEDGE TO GAIN ACCESS TO THE COVER PLATE



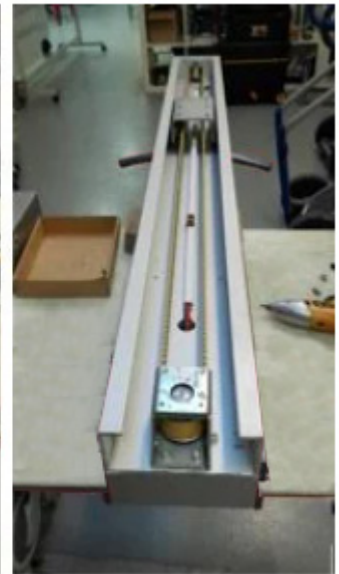
REMOVE THESE TWO (OF FOUR) BOLTS TO RELEASE THE COVER PLATE TO GAIN ACCESS TO THE BELT TENSION IDLER PULLEY, THE TOOTHED CAM BELT, THE SLEDGE, THE CAM BELT SPROCKET WITH ONE-WAY BEARING, THE IDLER PULLEY AND SWITCHES

PRESS UP TO RAISE SLEDGE HIGH ENOUGH TO EXPOSE THE TWO BOLTS ON THE BOTTOM OF THE MAST COVER

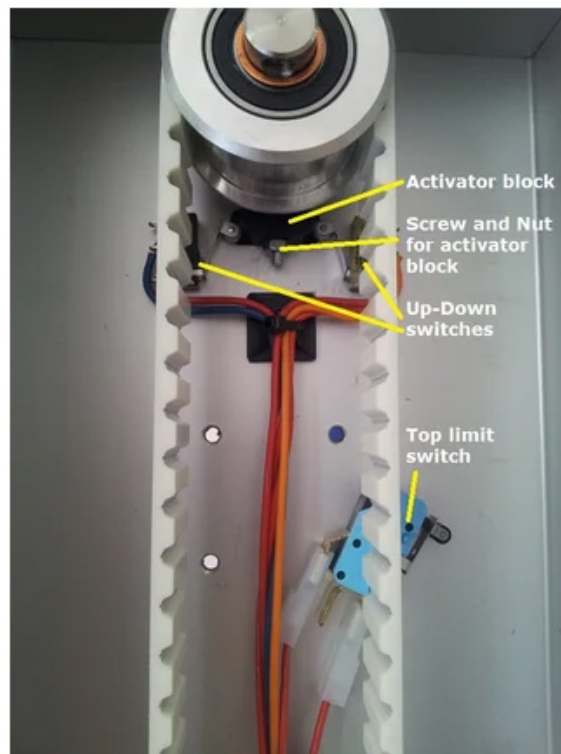
REMOVE THESE TWO (OF FOUR) BOLTS TO RELEASE THE COVER PLATE TO GAIN ACCESS TO THE BELT TENSION IDLER PULLEY, THE TOOTHED CAM BELT, THE SLEDGE, THE CAM BELT SPROCKET WITH ONE-WAY BEARING, THE IDLER PULLEY AND SWITCHES

MODEL: FPL200

Raise the sledge just enough to expose the two bolts at the bottom of the cover plate.
 Remove all four bolts to release the cover plate and slide out and set aside.
 Lay the Lifter down on a table.



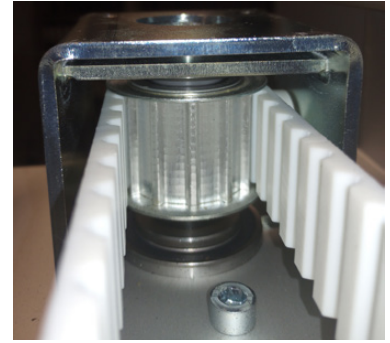
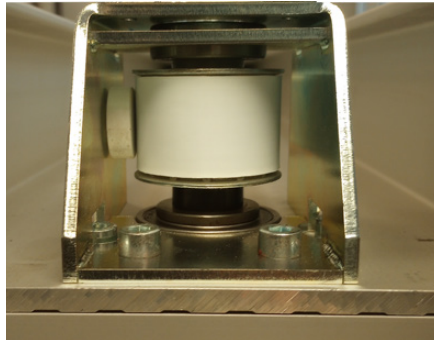
Parts within the top of the mast include the up/down function switches and the top limit switch.



Locate the 2 screws in the top of mast and release tension on the cam belt. If you are replacing the cam belt, you can remove the screw on the open end of the belt tension idler pulley (top of mast) that the belt will be removed from.



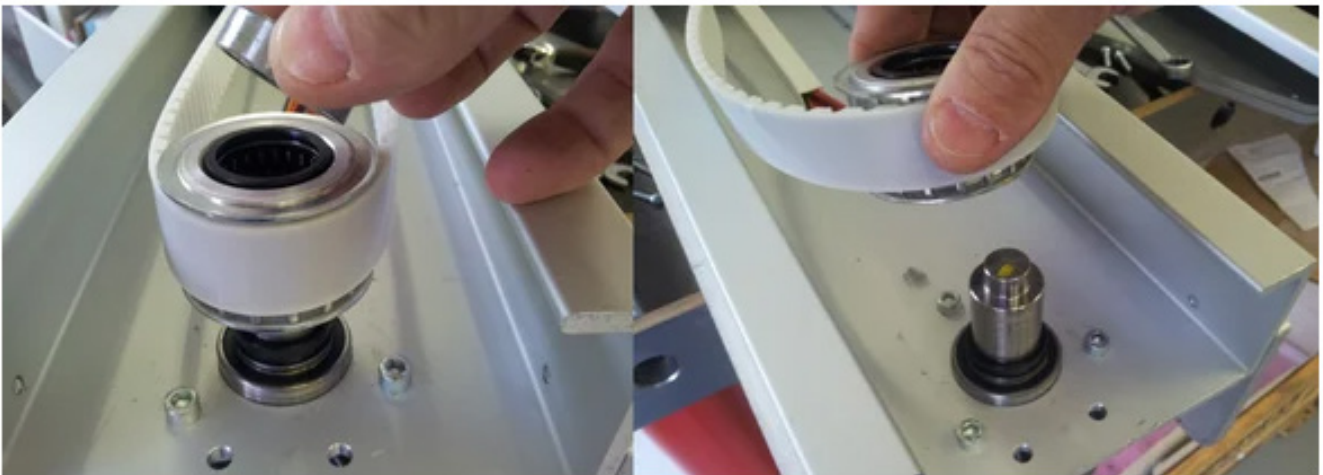
Remove the screws of the cam belt sprocket bracket (bottom of mast).



Lift it up gently and slide the bracket off. If it is stuck, you might use tools gently to get it free.

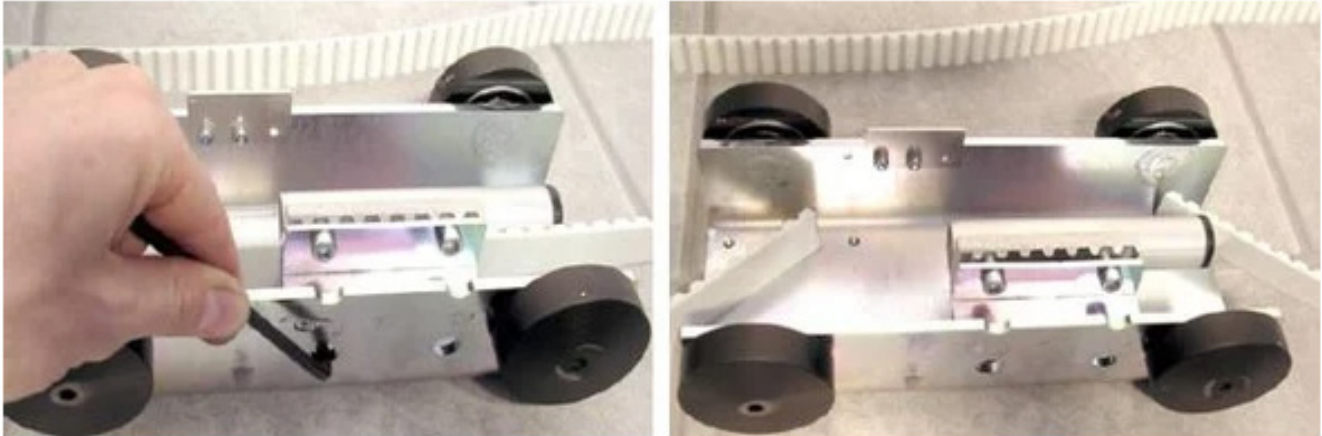


Take away the top bearing (it should come off rather easily) and lift up the cam belt sprocket with the cam belt. Note the orientation of all components removed for reinstallation purposes. Also note the arrow direction of the cam belt sprocket with one-way bearing as well as the orientation of the two different sized spacers.



Slide off the sledge with cam belt from the bottom of the mast and remove the screws holding the cam belt. When reinserting the new cam belt, make sure that 4 teeth in each end are held in place by the fastening plate on the sledge.

Once the replacement cam belt has been fastened to the sledge, reinstall both back into the bottom of the mast the same way as it was removed.



Insert the new cam belt spocket with one-way bearing. Orient it and the two different thickness spacers in the same order and direction as was previously removed.



NOTICE

When installing a new cam belt sprocket with one-way bearing, ensure that the new one is placed in the exact same orientation as the one being removed, otherwise the platform will not raise or lower properly.

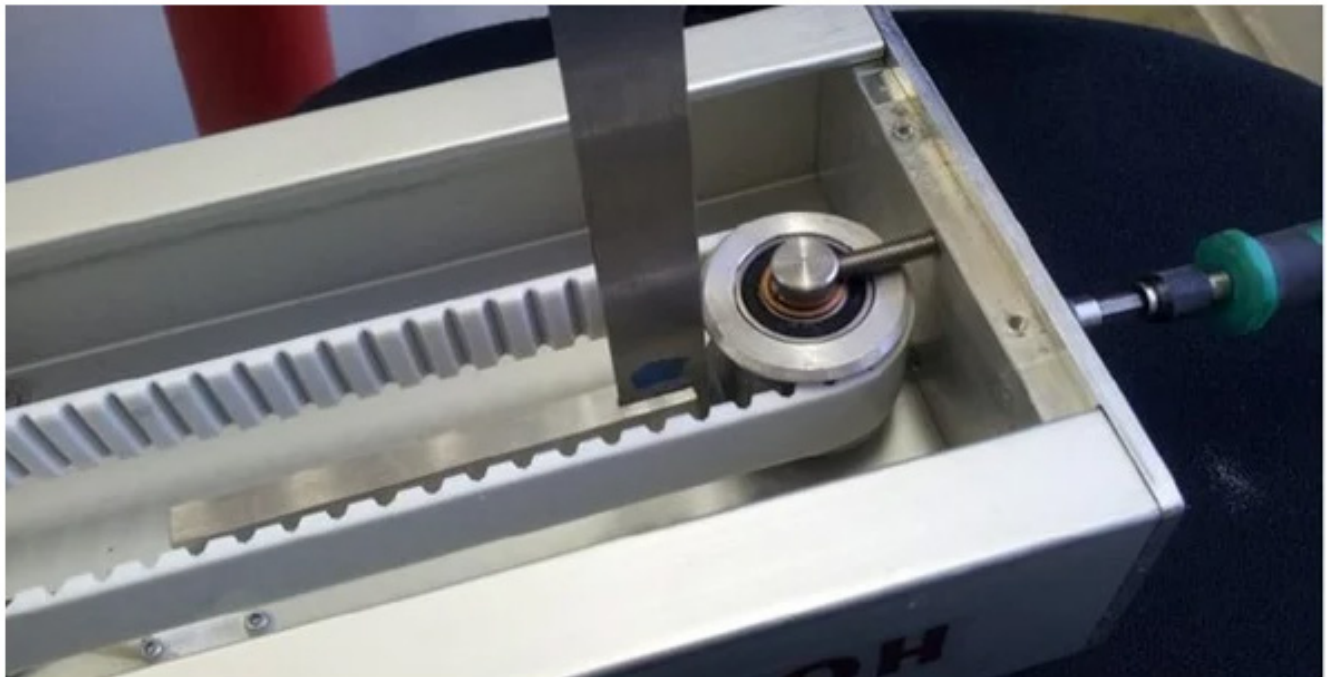
Ensure the cam belt sprocket is in the right position before adding the top bearing.

Loop the cam belt over the cam belt sprocket.

Reinstall the cam belt sprocket bracket and tighten the screws securing the bracket.



Secure the cam belt over the belt tension idler pulley at the top of the mast and reinstall the screw back through the top of the mast into the pulley shaft that was previously removed to in order to remove the belt. Adjust both screws so that the end of each screw is flush with the pulley shaft. Then turn each screw clockwise a full turn alternately while aligning the belt tension idler pulley to 90° using a try square.



To tighten the cam belt, turn the two screws clockwise with a 4 mm hex key. Tighten the screws the same amount and check the tension of the cam belt. The belt tension for the FLNB200 should measure 33 hz using a belt tension tester.

When the tension is right and the belt tension idler pulley is aligned, you can raise the Lifter up and reinstall the platform. Test the lifter a couple of times with load and check the cam belt tension and cam belt position in the belt tension idler pulley.

In the case where the cam belt is not properly aligned, tighten the screw on the side the cam belt is drifting towards. Tighten one quarter turn at a time and run the sledge up and down intermediately without load to check alignment.



Measure the cam belt tension again with a belt tension tester.



Once the tension has been confirmed to be at 33 hz, reinstall the front cover and run the final lifting test.

After several hours of use once the belt has fully had a chance to break in, measure the cam belt tension again with a belt tension tester. Readjust as needed.






7.5 Disposal

When disposing the lifter, make sure to sort the different materials by category, metal, electronic waste, batteries etc.. Make sure to follow the local environmental legislations, and hand over the materials to the local recycling station.



- Note: The batteries contain lead and must be disposed accordingly!

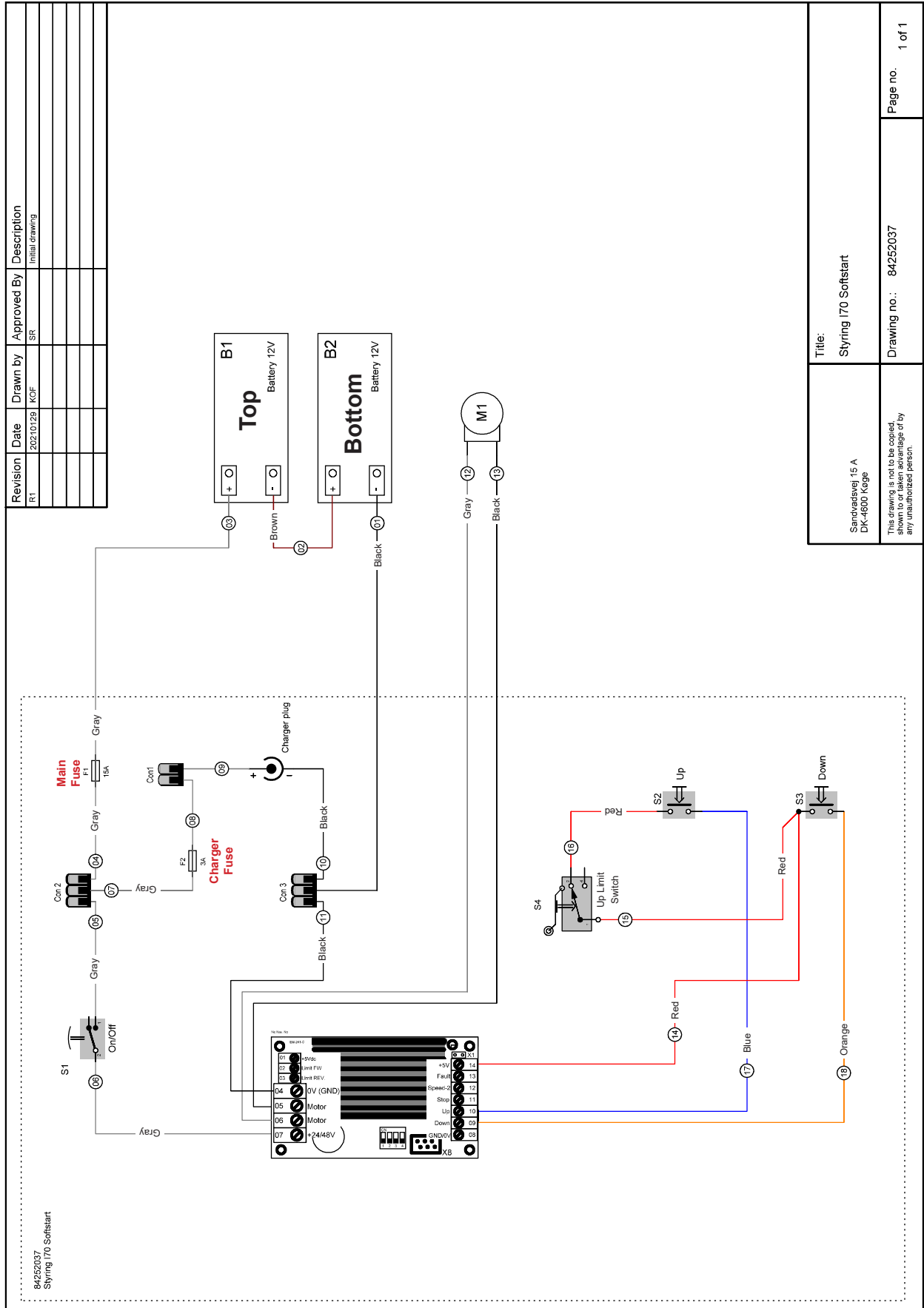
8 CLEANING INSTRUCTIONS

Ingress protection marking (IP)			
Model-approved IP code:	IP 41	IP code description	
Solid particle protection	IP 4X	>1 mm	Most wires, slender screws, large ants etc.
Liquid ingress protection (with batteries)	IP X1	Dripping water	Dripping water (vertically falling drops) shall have no harmful effect on the specimen when mounted in an upright position onto a turntable and rotated at 1 RPM.
Special instructions/Precautions			
<ul style="list-style-type: none"> • Always wear the correct safety equipment • Lower the lifting tool, so that you don't risk a head injury when cleaning near the floor. • The battery charger must be disconnected from the main during cleaning. • In case of remote control the plug on the mast must be protected during cleaning. 			
Detergent application			
	<ul style="list-style-type: none"> • Use a standard PH neutral cleaning detergent. 		<ul style="list-style-type: none"> • Do not use Acid, Alkaline or harsh chemical products, these might weaken the drive belt and other sensitive components or leave marks on the surfaces.
Work process			
	<ul style="list-style-type: none"> • The outer surfaces can be cleaned using a wet brush or a damp cloth. 		<ul style="list-style-type: none"> • Do not use liquids to clean the lifter as this may have adverse effect on the electrical components.
Key inspection points			
	<ul style="list-style-type: none"> • Test that all functions are working properly before the lifter is placed back into service. 		

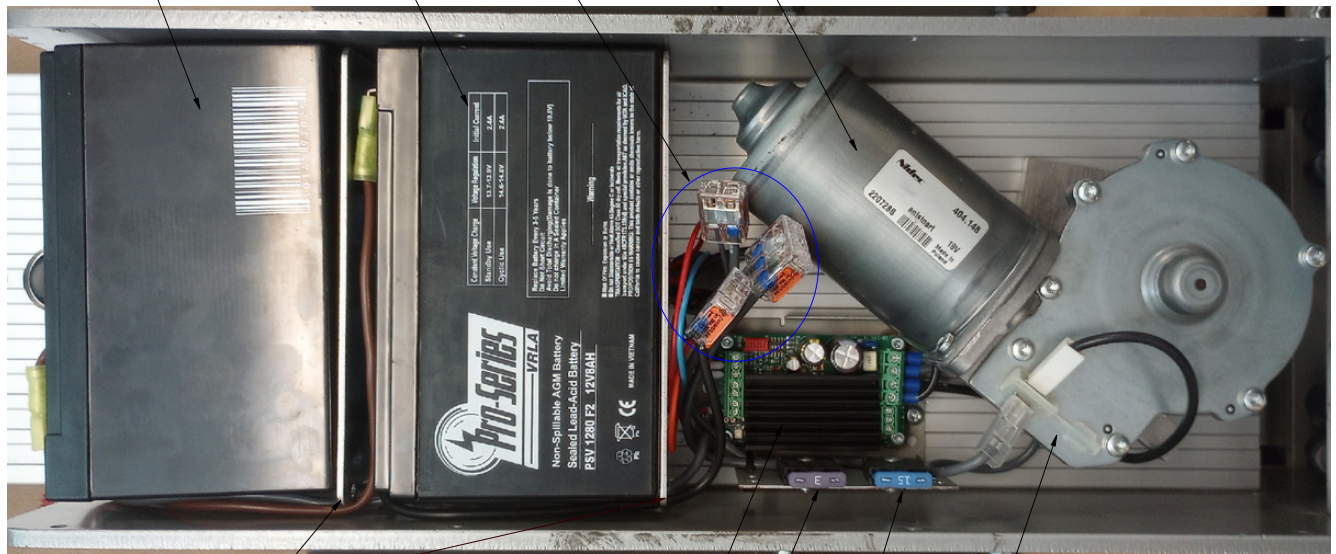
9 RESOLVING FAULTS

Fault Type	Check the following	Solve
The timing belt jumps on the belt wheel (the belt is making crackling noises)	Is the belt slack?	Tighten the belt using the screws at the top of the mast. See Cam Belt Adjustment section.
	Is the belt worn?	Replace the belt. See Cam Belt and Sprocket Replacement section.
The belt is skewed (the belt squeaks)	Is the belt running skewed in the track on the belt tension idler pulley at the top of the mast?	Adjust the screw at the top of the mast on the side to which the belt is skewed. See Cam Belt Adjustment section.
	Is the belt worn?	Replace the belt. See Cam Belt and Sprocket Replacement section.
The sledge jerks	Is there dirt in the mast on which the sledge runs?	Remove the dirt and wipe with alcohol. See Cleaning Instructions section.
	Is there dirt on the sledge wheels?	Remove the dirt or replace the wheels. See Cam Belt and Sprocket Replacement section.
The lifter does not respond	Check whether the item being lifted is heavier than the lift's capacity.	Remove the item.
	Check the main fuse or the on/off button.	Replace the main fuse or press the button. See Electrical Diagram and Operation sections.
	Check that the batteries are charged.	Connect the charger. See Batteries, Connectors, and Chargers section.
The lift works very slowly	Check the voltage of the batteries.	Connect the charger.
	Check the charging frequency. Does the light quickly change to green when connected?	If the charger quickly changes to green, it could indicate that the batteries should be replaced or that the fuse on the charger is broken or the main switch is off.

10 ELECTRICAL DIAGRAM - SOFTSTART / BATTERY INSTALLATION



HOVMAND IMPACT 70 MAIST BATTERY AND MOTOR COMPARTMENTS EXPOSED
 (PRESTO MODELS: FLNB200, FKL200, FPL200)



PLACE TOP BATTERY (B1) WITH TERMINALS ORIENTED TO THE LEFT

PLACE LOWER BATTERY (B2) WITH TERMINALS ORIENTED TO THE RIGHT

3X WAGO CONNECTORS, CON1, CON2, CON3

MOTOR

CONTROL BOARD

CHARGER FUSE 3 AMP FUSE

MAIN FUSE 15 AMP FUSE

DRIVE













INDENT RECESS TO LEFT OF SHELVES TO ALLOW WIRES THROUGH ACCESS TO BATTERIES

BATTERY WIRING INSTRUCTIONS:

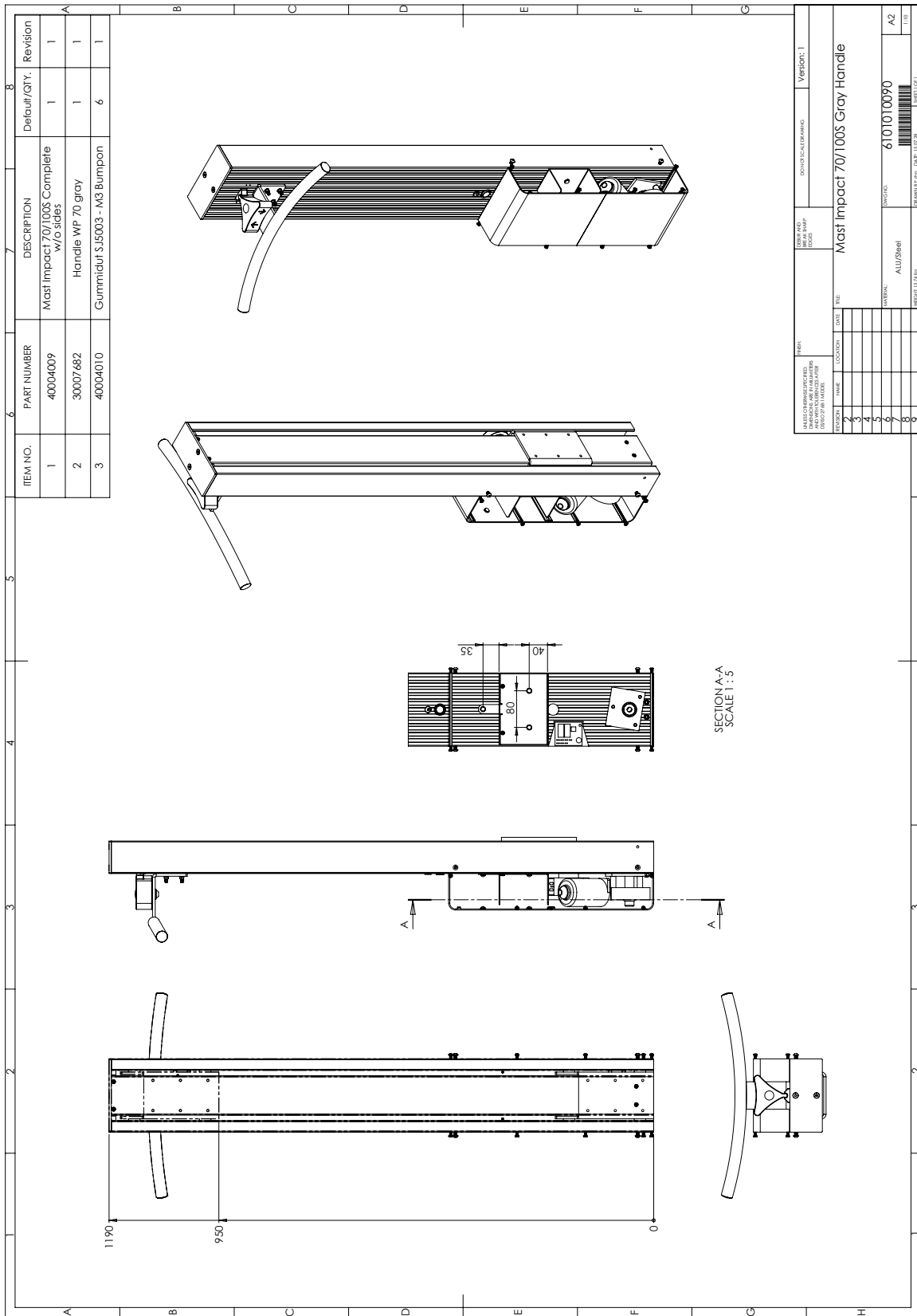
1. NOTE THAT THE BATTERIES ARE TO BE INSTALLED AS SHOWN HERE, WITH THE TERMINALS TO THE RIGHT ON THE BOTTOM BATTERY (B2), AND THE TERMINALS TO THE LEFT ON THE TOP BATTERY (B1).
2. WIRE 1 (BLACK) FROM THE MOTOR COMPARTMENT CONNECTS TO THE NEGATIVE (-) BATTERY TERMINAL OF THE BOTTOM BATTERY (B2).
3. WIRE 2 (BROWN) CONNECTS FROM THE POSITIVE (+) BATTERY TERMINAL OF THE BOTTOM BATTERY (B2) TO THE NEGATIVE (-) BATTERY TERMINAL OF THE TOP BATTERY (B1).
4. WIRE 3 (GRAY) FROM THE MOTOR COMPARTMENT CONNECTS TO THE POSITIVE (+) BATTERY TERMINAL OF THE TOP BATTERY (B1).

11 SPARE PARTS

11.1 Most Common Parts

Image	Description	Part Number	Quantity per Machine
	Battery	10079748	2
	Charger	10080294	1
	On / Off button	84100127	1
	Fuse 15amp	84050011	1
	Fuse 3amp	84050009	1
	Controller	84041050	1
	Raise / Lower switch	40002825	2
	Upper limit switch	84080016	1
	Motor	85020022	1
	Upper belt pulley	40001894	1
	Drive motor belt pulley	40000723	1
	Drive belt	40002888	1

11.2 Mast Complete



PARTS LIST		DRAWING NUMBER		DATE		VERSION	
1	40004009	Mast Impact 70/100S Complete w/o sides	6101010090	01/2018	1	1	1
2	30007682	Handle WP 70 gray					
3	40004010	Gummiroll SJ5003 - M3 Bumpson					

11.3 Mast

ITEM NO.	PART NUMBER	Default/Qty.
1		1
2		1
3		1
4		1
5		1
6		1
7		1
8		1
9		1
10		1
11		1
12		1
13		1
14		2
15		1
16		1
17		1
18		1
19		1
20		1
21		1
22		1
23		1
24		2
25		1
26		1
27		1
28		3
29		2
30		4
31		1
32		5
33		1
34		1
35		2
36		2
37		6
38		4
39		10

<small>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND DECIMALS THEREOF ARE TO THE NEAREST 0.001 INCH.</small>		<small>DO NOT SCALE DRAWING</small>	<small>Version: 1</small>
<small>REVISION</small> <small>DATE</small> <small>BY</small>	<small>LOCATION</small> <small>DATE</small> <small>BY</small>	<small>DATE</small> <small>BY</small>	<small>Version: 1</small>
<small>IMPACT 70/100S COMPLETE W/O SIDES</small>		<small>IMPACT 70/100S COMPLETE W/O SIDES</small>	<small>Version: 1</small>
<small>MATERIAL</small> ALU/Steel	<small>IMPACT NO.</small> 40004009	<small>IMPACT NO.</small> 40004009	<small>Version: 1</small>
<small>IMPACT LEGS</small>	<small>IMPACT LEGS</small>	<small>IMPACT LEGS</small>	<small>Version: 1</small>
<small>IMPACT LEGS</small>	<small>IMPACT LEGS</small>	<small>IMPACT LEGS</small>	<small>Version: 1</small>

11.4 Handle

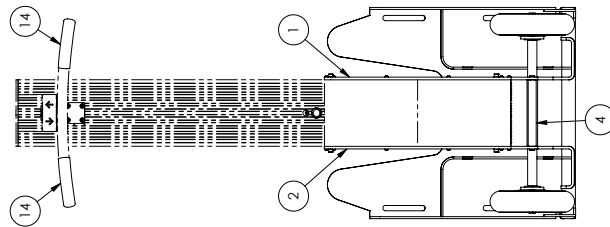
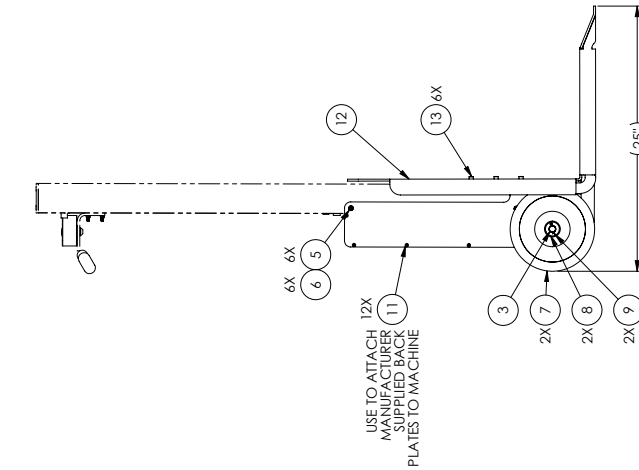
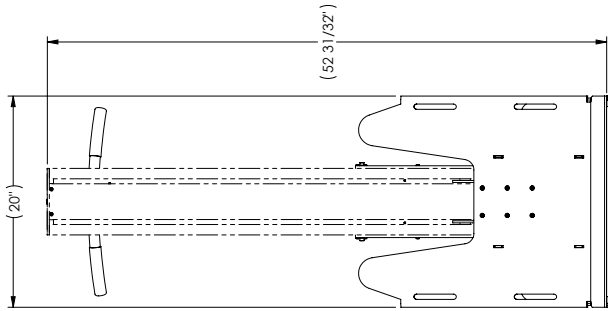
REVISION	NAME	LOCATION	DATE	TITLE
2				
3				
4				
5				
6				
7				
8				
9				

ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY.	Revision
1	30007681	Håndtag WP 70 gray svejst	1	2
2	30007481	Aksel for Commander 2015	1	1
3	30007480	Commander 2015	1	2
4	81140027	End plug $\varnothing 25 \times 1-2.5$ indiv.	2	3
5	81030066	Rip-Lock $\varnothing 10$ A2	1	1
6	81010285	Skruer 10x20 RH A2 ISO 7380	1	1
7	81010257	Skruer 5x10 RH A2 ISO 7380	1	1
8	81130004	Round end cap $\varnothing 15/20 \times 4$ black	1	1

FINISH: DEBUR AND REMOVE SHARP EDGES		DO NOT SCALE DRAWING	Version: 3
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS AND WITH TOLERANCES AFTER ISO 2768-1/MDL			
MATERIAL: Steel		Handle WP 70 gray	
WEIGHT: 1.13 kg		DWG NO. 30007682	
		DRAWN BY: m DATE: 15.02.07	
		SHEET 1 OF 1	

11.5 Components Kit (FLNB200)

REV.	DESCRIPTION	DATE	REVISIONS	DWG. NO.	SHEET 1 OF 1
A	ITEM 4 WAS 10079322 QTY 1	4/25/2016		60052893	
B	REVISED INSTRUCTIONS. TITLE WAS FLNB210	9/12/2024			



ITEM NO.	QTY.	U/M	DESCRIPTION	PART NO.
15	1	EA	EL BTRY CHRGR DC COAXIAL	10080294
14	2	EA	HA HANDLE GRIP	10079365
13	6	EA	HA SCREW SHCS ZINCPL M6X1.0X8MM	10076101
12	1	EA	SA FLNB210 CARRIAGE COATING KIT	60052894
11	12	EA	HA THREAD ROLLING M4X20 DIN7500	40002840
10	2	EA	EL BTRY AGM/SLA	10079748
9	2	EA	HA PIN COTTER MCMCAR 98338A145	10077512
8	2	EA	HA WSHR FLAT STL 62 SAE	2340470
7	2	EA	ACP WHL 5.00008.595.2-5/8"	10076696
6	6	EA	HA SCREW SHCS ZINCPL M6X1.0X1.4MM	10076419
5	6	EA	HA WSHR LCK-SPT ZINCPL M6	10010697
4	1	EA	MMP RB ALUM .75D7.17 SHAFT	10077781
3	1	EA	MMP RB ALUM 1.00D18.95 WHEEL MT	10079669
2	1	EA	SA FLNB200 BASE PLATE COATING KIT	60051667
1	1	EA	SA FLNB200 BASE PLATE COATING KIT	60051666

FRACTIONS: 1/16, 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8
 DECIMALS: .005, .010, .015, .020, .025, .030, .035, .040, .045, .050
 ANGLES: 15°, 30°, 45°, 60°, 75°, 90°, 105°, 120°, 135°, 150°, 165°, 180°
 UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES
 PROJECT: FLNB210
 TITLE: SA FLNB200 COMPONENTS KIT
 USE OF PROPRIETARY INFORMATION LIMITED TO WRITTEN AGREEMENT
 Released

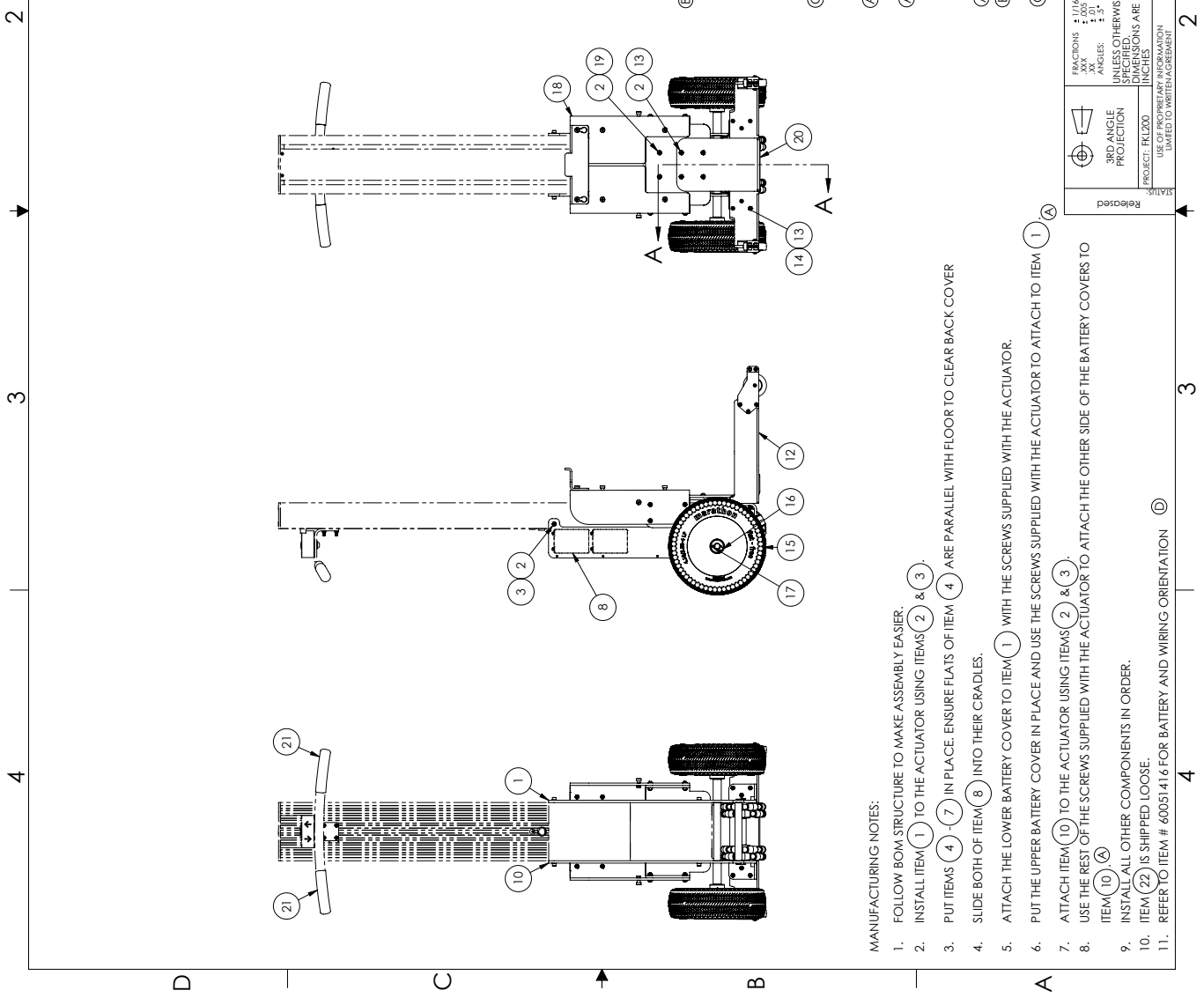
- ⑥ MANUFACTURING NOTES:
 1. INSTALL BOTH BATTERIES, ITEM 10, INTO LIFT.
 1. REFER TO ITEM # 60051416 FOR WIRE AND BATTERY ORIENTATION
 2. ITEM 15 SHIPS LOOSE.

ITEM NO.	QTY.	U/M	DESCRIPTION	PART NO.
15	1	EA	EL BTRY CHRGR DC COAXIAL	10080294
14	2	EA	HA HANDLE GRIP	10079365
13	6	EA	HA SCREW SHCS ZINCPL M6X1.0X8MM	10076101
12	1	EA	SA FLNB210 CARRIAGE COATING KIT	60052894
11	12	EA	HA THREAD ROLLING M4X20 DIN7500	40002840
10	2	EA	EL BTRY AGM/SLA	10079748
9	2	EA	HA PIN COTTER MCMCAR 98338A145	10077512
8	2	EA	HA WSHR FLAT STL 62 SAE	2340470
7	2	EA	ACP WHL 5.00008.595.2-5/8"	10076696
6	6	EA	HA SCREW SHCS ZINCPL M6X1.0X1.4MM	10076419
5	6	EA	HA WSHR LCK-SPT ZINCPL M6	10010697
4	1	EA	MMP RB ALUM .75D7.17 SHAFT	10077781
3	1	EA	MMP RB ALUM 1.00D18.95 WHEEL MT	10079669
2	1	EA	SA FLNB200 BASE PLATE COATING KIT	60051667
1	1	EA	SA FLNB200 BASE PLATE COATING KIT	60051666

REV.	DESCRIPTION	DATE	REVISIONS	DWG. NO.	SHEET 1 OF 1
A	ITEM 4 WAS 10079322 QTY 1	4/25/2016		60052893	
B	REVISED INSTRUCTIONS. TITLE WAS FLNB210	9/12/2024			

11.6 Components Kit (FKL200)

REV.	DESCRIPTION	DATE	REVISIONS	ECO #
A	UPDATED NOTES 6 & 8. ITEM 5 WAS QTY: 2. ITEM 9 WAS 60053377 QTY: 1. ITEM 11 WAS 60053398 QTY: 1.	3/2/2016		R9847
B	ITEM 11 WAS 60053398 QTY: 1.	3/2/2016		NRR
C	ITEM 2 WAS QTY: 18. ITEM 14 WAS 10007424 QTY: 14.	5/8/2017		R5699
D	ADDED STEP 11 FOR REFERENCE TO WIRING AND BATTERY ORIENTATION.	9/12/2024		CS63
E	ITEM 4 WAS QTY: 2. 10080356.	9/16/2024		CS63



SECTION A-A

ITEM NO.	QTY.	UOM	DESCRIPTION
22	1	EA	EL BIRY CHR9 DC COAXIAL
21	2	EA	HA HANDLE GRIP
20	1	EA	SA FKL200 KEG SUPPORT PLATE COATING KIT
19	2	EA	HA SCREW BHCS ZINCPL M6X1.0X12MM
18	1	EA	SA FKL200 CARRIAGE ASSY
17	2	EA	HA PIN COITER MCMCAR 98338A1.45
16	2	EA	HA WSHR FLAT STL .62 SAE
15	2	EA	ACP WHL FL MATHON 00010P 4.10/3.5-4
14	6	EA	HA NUT LOCK ZINCPL M6X1.0
13	10	EA	HA SCREW BHCS ZINCPL M6X1.0X22MM
12	1	EA	SA FKL200 LEG ASSY
11	1	EA	SA FKL120 LEFT SIDE PLATE COATING KIT
10	1	EA	SA FKL120 RIGHT SIDE PLATE COATING KIT
9	2	EA	EL BIRY AGM/SLA
8	2	EA	ACP CSTR R2-1258.95/S13 125.00
7	2	EA	MMP RB ALUM .75D7.17 SHAFT
6	1	EA	MMP RB ALUM .75D7.17 SHAFT
5	1	EA	MMP RB ALUM 1.00D16.31 DRV SFT MT
4	1	EA	HA SCREW SHCS ZINCPL M6X1.0X14MM
3	6	EA	HA WSHR LCK-SPT ZINCPL M6
2	12	EA	SA FKL120 RIGHT SIDE PLATE COATING KIT
1	1	EA	SA FKL120 LEFT SIDE PLATE COATING KIT

MANUFACTURING NOTES:

- FOLLOW BOM STRUCTURE TO MAKE ASSEMBLY EASIER.
- INSTALL ITEM (1) TO THE ACTUATOR USING ITEMS (2) & (3).
- PUT ITEMS (4) - (7) IN PLACE. ENSURE FLATS OF ITEM (4) ARE PARALLEL WITH FLOOR TO CLEAR BACK COVER.
- SLIDE BOTH OF ITEM (8) INTO THEIR CRADLES.
- ATTACH THE LOWER BATTERY COVER TO ITEM (1) WITH THE SCREWS SUPPLIED WITH THE ACTUATOR.
- PUT THE UPPER BATTERY COVER IN PLACE AND USE THE SCREWS SUPPLIED WITH THE ACTUATOR TO ATTACH TO ITEM (1).
- ATTACH ITEM (10) TO THE ACTUATOR USING ITEMS (2) & (3).
- USE THE REST OF THE SCREWS SUPPLIED WITH THE ACTUATOR TO ATTACH THE OTHER SIDE OF THE BATTERY COVERS TO ITEM (10).
- INSTALL ALL OTHER COMPONENTS IN ORDER.
- ITEM (22) IS SHIPPED LOOSE.
- REFER TO ITEM # 60051416 FOR BATTERY AND WIRING ORIENTATION.

SAFETY:

USE THE FOLLOWING DIMENSIONS UNLESS OTHERWISE SPECIFIED.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

USE THE FOLLOWING DIMENSIONS UNLESS OTHERWISE NOTED.

USE THE FOLLOWING DIMENSIONS UNLESS OTHERWISE NOTED.

REFERENCE	60052235	SCALE	79:48 LB
DATE	02/26/16	MODEL	
DR	NRR	SIZE	

LIFT-N-BUDDY
2 Homeshire Street, Suite 102, Foxborough MA 01035

SA FKL200 COMPONENTS ASSY

60053369

SHEET 1 OF 1

Item: 60053369 SPN:

12 ANNUAL INSPECTION

Date of inspection:

Controller:

Comments:

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

13 WARRANTY & CONTACT INFORMATION

Presto Lifts warrants this product to be free from defects in material or workmanship for the duration of the warranty period. Warranty periods vary and begin on the date of shipment. For specific warranty information, contact Presto Lifts with the machine's serial number.

Any claim for breach of this warranty must be received in writing by Presto Lifts within the warranty period. Warranties shall not cover failure or defective operation, caused by misuse, misapplication, negligence or accident, exceeding recommended capacities, or any alteration or repair of the item purchased which has not been authorized by Presto Lifts. Except as set forth herein, Presto Lifts makes no other warranties, express or implied, including THE WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE, all of which ARE HEREBY EXCLUDED.

Presto Lifts meets the labeling requirements of California's Proposition 65. Presto Lifts makes no warranty or representation with respect to the compliance of any product with other State or local safety or product standard codes and any failure to comply with such codes shall not be considered a defect of material or workmanship under this warranty. Presto Lifts shall not be liable for any direct or consequential damages arising out of such non-compliance.

Presto Lifts' obligations under any warranty or for any other damages which may arise under any sale, agreement, or contract, are limited to the replacement or repair of defective components at its factory or another location at Presto Lifts' discretion. This is buyer's sole remedy under any such warranty, sale, agreement, or contract. Presto Lifts will not be liable for consequential, incidental, exemplary, or punitive damages of any kind resulting from a breach of any warranty that it has provided or for breach of any term of any sale, agreement, or contract. Any warranty may be altered only in writing by Presto Lifts.

All commodities, software, or technology purchased from Presto Lifts are subject to the export and re-export control laws and regulations of the United States, including but not limited to the Export Administration Regulations ("EAR") and Department of the Treasury Office of Foreign Asset Controls ("OFAC") Regulations. Presto Lifts expects all distributors and customers to comply with these laws and regulations. Without limiting the foregoing, the distributor/customer cannot, without proper authorization from the applicable United States Government Agency, export, re-export, or transfer any commodity, software, or technology purchased from Presto Lifts, either directly or indirectly, to any entity, country, or national of any country in breach of such laws and regulations. Furthermore, Presto Lifts expects that the distributor/customer shall indemnify and hold harmless Presto Lifts from and against any claim, proceeding, action, fine, loss, cost and damages arising out of or relating to any noncompliance with export control regulations by distributor/customer, and distributor/customer are expected to compensate Presto Lifts for all losses and expenses resulting thereof, unless such noncompliance was clearly not caused by fault of the distributor/customer.

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800.343.9322 | Fax: 888.788.6496
service@prestolifts.com
www.PrestoLifts.com



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(Find in About Us pull down menu)