

# Operator Manual



## VPL-3200B

Flood Zone Tower

09-19-2024

P/N 3200B-OFZ

Manual en español disponible en [www.bruno.com](http://www.bruno.com)



# PRODUCT REGISTRATION FORM

Please register your Bruno lift in one of two ways:

- Fill it out online at [www.bruno.com/forms/product-registration](http://www.bruno.com/forms/product-registration)
- Complete the enclosed Product Registration card and return via mail

## Serial Number:

Please note a serial number is found on your Bruno lift. The serial and model number will be needed for your dealer to file a warranty claim, request parts or service the unit.

## Authorized Bruno Dealer:

Bruno products must be installed and maintained by an authorized Bruno dealer, or the warranty will be null and void.

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**NOTICE TO:** Customers in the State of California

**WARNING:** Electrical cords, cables, product cords, wire assemblies, and other parts made with PVC can expose you to chemicals including DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. WASH HANDS AFTER HANDLING. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SPECIFICATIONS

<b>Load Capacity</b>	750 lbs. (340 kg)
<b>Weight of Unit</b>	
<b>VPL-3210B</b>	1210 lb (379 kg) with 2 x 34 AH batteries
<b>Rated Speed</b>	10 FPM (3 m/mn); 7-11 FPM (2.1 - 3.3 m/mn) typical
<b>Battery Charger</b>	120 VAC, 3A, single phase, 60 Hz
<b>Batteries</b>	2 x 12 VDC, 34 AH (standard)
<b>Motor</b>	1 HP, 24 VDC (2 HP peak)
<b>Control Voltage</b>	24 VDC (2 x 12 VDC batteries)
<b>Maximum Floor-to-Floor</b>	VPL-3210B: 123" (3.1 m)
<b>Platform Size</b>	standard: 36" x 48" (91 x 122 cm); optional: 36" x 54" (91 x 137 cm); optional: 36" x 60" (91 x 152 cm)
<b>Emergency Operation</b>	battery back-up; provision for manual hand wheel
<b>Standard Features</b>	keyed, constant-pressure controls on platform with emergency stop switch; all-weather protected controls and switches; platform bottom safety panel, top and bottom limit switches
<b>Optional Features</b>	landing call/send station with key (rocker switch or paddle); platform controls (paddle); platform controls with alarm (rocker switch or paddle); platform handrail; 36" or 42" high top landing gate including call/send station with key and Bruno interlock (rocker switch or paddle); 90-degree top landing gate including call/send station with key and Bruno interlock (rocker switch or paddle); 90-degree platform (36 x 48, 36 x 54 or 36 x 60); same side on/off platform (36 x 48, 36 x 54, or 36 x 60); GAL interlock kit; electric-strike interlock kit
<b>Regulatory Technical Specifications</b>	MODEL NUMBER: VPL-3200 Series: Models: VPL-3210B (DC-powered) Models: VPL-3210B-OFZ Flood Zone (DC-powered) U.S. F.D.A. CLASSIFICATION: Class II, 510(K) exempt PRODUCT CODE: PCE This unit is a US-manufactured FDA-regulated medical device classified in the USA as a Class II Patient Transporter. The installing dealer has responsibility to report any malfunctions, safety concerns or events to the manufacturer in a timely manner. The installing dealer also has the responsibility to ensure that the users are properly trained in the use and operation of the unit.

## SAFETY

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Thank you for purchasing a Bruno VPL-3200B Vertical Platform Lift.



The information contained in this manual is provided with your safety in mind. Please read and follow the instructions to ensure safe and trouble-free operation.

Throughout this manual, **safety precautions** are provided to identify potentially hazardous situations and to advise how to avoid them.



**Warning**—Indicates a potentially hazardous situation that, if not avoided, could cause serious bodily injury and / or property damage.



**Caution**—Indicates a potentially hazardous situation that, if not avoided, could cause damage to the the VPL-3200B and / or moderate injury.



**Electrical Hazard**—Indicates a potentially hazardous electrical situation that, if not avoided, could cause damage to the VPL-3200B and / or moderate injury..



### FOR YOUR SAFETY

- Never exceed the maximum rated lift capacity of 750 lbs. (340 kg).



- Read and understand the operating instructions, and all safety precautions prior to using the lift. Operate the lift several times while the installer is available to answer questions.

- Never use the VPL-3200B to lift freight or materials other than those intended by design.
- Keep panels and protective coverings in place to avoid potentially fatal injury.
- Do not open the lift's electrical box. **There are no user-serviceable parts in the electrical box.**
- Always be aware of surface conditions before using the lift and take appropriate care.
- Keep hands, fingers and feet away from moving components during lift operation.
- Keep feet at a safe distance from the platform as it is lowered.
- Turn the power source of the device being lifted (scooter, power chair, wheelchair) to OFF before operating the lift.
- Lock the wheels of any mobility device riding on the platform.
- Remove the key after turning off the VPL-3200B to prevent accidental operation due to someone or something coming in contact with the key.
- The VPL-3200B includes batteries as its main power source. It will continue to operate for some time during a power outage.

## OPERATION

**!** **Important!** This is a flood zone unit. It **will not operate** if there is more than 3" of standing water at the base.

### OPERATING INSTRUCTIONS

Releasing the call/send button at any time will stop the lift.

When the VPL is not in use, Bruno recommends raising the unit off the ground to approximately the mid-travel position.

This will discourage unwanted use by others and, in colder climates, prevent the underpanel from becoming frozen in accumulated ice/snow.

1. Open the landing gate (if applicable).
2. Move onto the platform.
3. Lock the wheels of the mobility device (if applicable).

**NOTE: Wheels of mobility devices on board the VPL-3200B must remain locked while the VPL-3200B is in operation.**

4. Insert the key into the call/send switch.
5. Turn the key to the ON position.
6. Press the top of the rocker switch to go UP. Continue pressing until the platform automatically stops at the top landing.
7. Press the bottom of the rocker switch to go DOWN. Continue pressing until the platform automatically stops at the bottom landing.
8. Release the rocker switch.
9. Turn the key to the OFF position.
10. Remove the key from the call/send switch.
11. Exit the lift.

### OPERATING IN COLD WEATHER



#### CAUTION

#### RISK OF EQUIPMENT DAMAGE

Use anti-corrosive de-icers or sand to remove ice and/or snow accumulations on and near the VPL and to eliminate slippery areas.

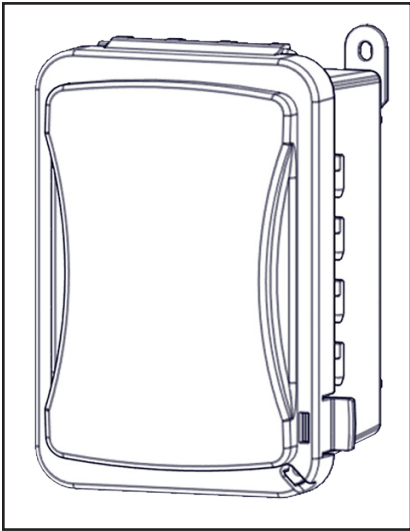
**DO NOT** use salt on or near the VPL.

Salt can cause rust and corrosion of metal parts.

**If the temperature falls below 0° F (-18° C):**

1. Park the platform in a raised position, approximately mid-way up the tower.
2. When ready to operate the unit, check for the presence of accumulated ice or snow on the control buttons and underpan. Remove ice/snow before operating the lift.
3. Run the lift **down**, then all the way up, then to the desired level to board the platform.  
This will warm up the nut and screw mechanism to allow proper operation of the lift.

### EMERGENCY OPERATION: ELECTRICAL

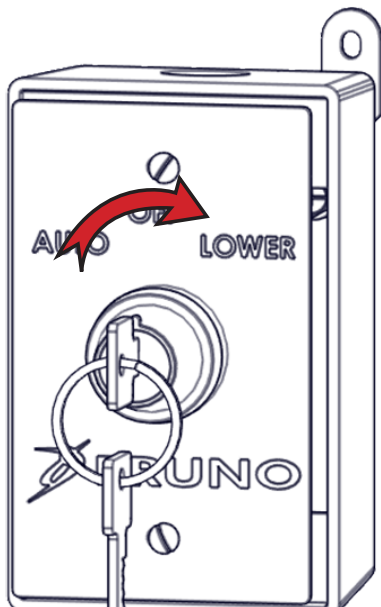


The VPL-3200B Series lifts are equipped with an electrical emergency operation function to serve in case of a power failure or non-operation.

**NOTE: In the event of a power failure, the vertical platform lift will continue to operate for a period of time without AC input power. If the unit cannot go any further UP, it should still operate DOWN to the lower level.**

1. Open the protective cover on the main power switch.
2. Insert the key into the key switch.
3. Turn and hold the key to the LOWER position.
4. Release the key when the lift reaches the desired stop position.
5. Once the unit has arrived at the desired stop position, remove the key at the AUTO position only.

**NOTE: Whenever the key is released, it automatically returns to the OFF position and the lift stops.**



**cover removed  
for illustration  
purposes**

## EMERGENCY OPERATION: MANUAL

Please first refer to the EMERGENCY OPERATION: **electrical section**.

Bruno offers an optional hand wheel for the VPL-3200B to serve in case of a power failure or non-operation.

If your lift is not equipped with a hand wheel and you would like to order one, please contact an authorized Bruno dealer. Contact a dealer as well if you require assistance in operating the hand wheel.

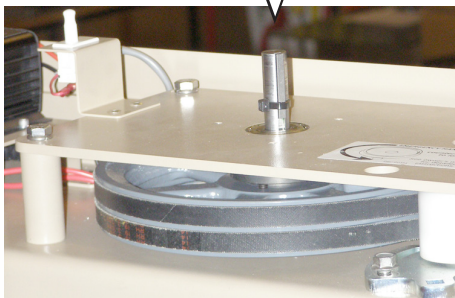
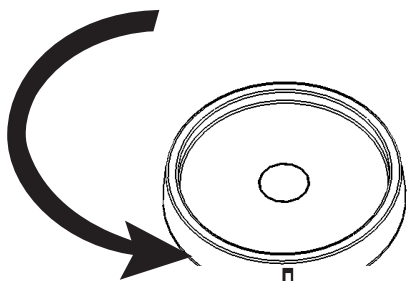
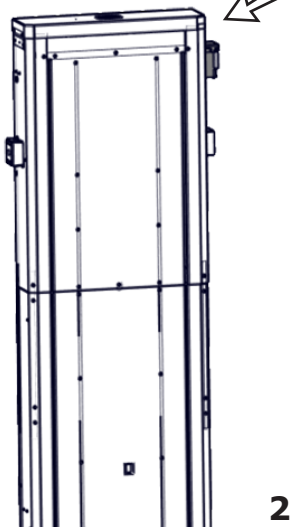
**NOTE: In the event of a power failure, the VPL-3200B will continue to operate for a period of time without AC input power. If the unit cannot go any further UP, it should still operate DOWN to the lower level.**

### Using the hand wheel

1. Loosen the two (2) screws on each side of the top cover (see left).
2. Slide the top cover up and off.
3. **Turn the circuit breaker OFF.**
4. Locate the emergency hand wheel on top of the lift.
5. Insert the hand wheel into the brake shaft opening as shown.
6. Turn the wheel **counterclockwise** to lower the lift.
7. After safe exit of the passenger and mobility device, determine and remedy the cause of the incorrect operation.  
Contact an authorized Bruno dealer if you require assistance.
8. Remove and store the emergency hand wheel.
9. Reinstall the top tower cover and tighten the four (4) screws shown.



circuit breaker



# LED DIAGNOSTIC CHART and TROUBLESHOOTING

## LED DIAGNOSTIC CHART

POWER (RED)	CHARGE (YELLOW)	FLOAT (GREEN)	FAULT (RED)	CHARGER STATUS
ON (2 sec.)	ON (2 sec.)	ON (2 sec.)	ON (2 sec.)	initial power up
ON	OFF	OFF	OFF	charger not connected to battery (AC power ON, no battery connected)
ON	OFF	OFF	ON	output shorted, battery reversed
ON	FLASH	OFF	OFF	soft-start charging
ON	ON	OFF	OFF	charger at maximum voltage/delivering maximum current
ON	ON	FLASH	OFF	batteries close to being fully charged
FLASH	OFF	OFF	OFF	batteries connected; AC disconnected
ON	OFF	ON	OFF	batteries fully charged
ON	OFF	OFF	FLASH	batteries defective/heavily sulfated
ON	OFF	OFF	FLASH	internal over temperature shutdown

## TROUBLESHOOTING

Once a year (more frequently if the lift is used under strenuous conditions), have the lift undergo a complete inspection by an authorized Bruno dealer and any necessary repairs/replacements. **Having the VPL-3200B Series serviced by someone other than an authorized Bruno dealer will render your warranty null and void.**

PROBLEM	POSSIBLE CAUSE / SOLUTION
Platform does not operate properly in the UP or the DOWN direction.	<ul style="list-style-type: none"> <li>• Gate/door open. Close gate/door.</li> <li>• E-Stop button inadvertently depressed. Pull out E-stop button.</li> </ul>
Platform controls do not operate.	<ul style="list-style-type: none"> <li>• Key switch turned to OFF. Turn key to ON.</li> <li>• E-Stop button inadvertently depressed. Pull out E-stop button.</li> <li>• Batteries fully discharged. Fully charge batteries, inspect and/or replace.</li> <li>• Internal circuit breaker tripped. Reset circuit breaker.</li> </ul>
Charger requires a long time to charge batteries between uses.	<ul style="list-style-type: none"> <li>• Check batteries. Replace if necessary.</li> </ul>
Platform operates very slowly.	<ul style="list-style-type: none"> <li>• No AC power. Check plug.</li> <li>• Batteries not fully charged. Allow batteries to recharge.</li> </ul>

**RECYCLE BATTERIES IN ACCORDANCE WITH REGULATIONS IN FORCE IN YOUR AREA.**





## MAINTENANCE and LONG-TERM STORAGE

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### MAINTENANCE

**EVERY (12) MONTHS** (more frequently if the lift is used under strenuous conditions), have the lift undergo a complete inspection by an authorized Bruno dealer and have this dealer make any necessary repairs/replacements. **Having the VPL-3200B serviced by someone other than an authorized Bruno dealer will render your warranty null and void.**

1. Check the suspension/drive system:
  - belts, including belt tension
  - belt pulleys and shafts, including keys
  - motor
  - bearing (see Note 1)
  - Acme screw and drive nuts
  - Acme screw lubrication (see Note 1)
  - pads and rollers
2. Verify that the platform stops within 1/2" (13 mm) of the landing.
3. Inspect the platform controls and the call/send controls.
4. Inspect the wiring and connectors (see Note 2).
5. Verify general cleanliness of the unit. (It is not uncommon to remove mouse nests.)

**NOTE 1: Bruno uses a special grease for better performance over a wider temperature range, especially in colder environments. Please use Mobil AVIATION GREASE SHC 100 (Bruno part no. LUB-00114).**

**NOTE 2: To help protect connector pins from moisture, apply dielectric grease to connectors exposed to the elements (ex. rain, snow).**

### **EVERY (2) MONTHS**

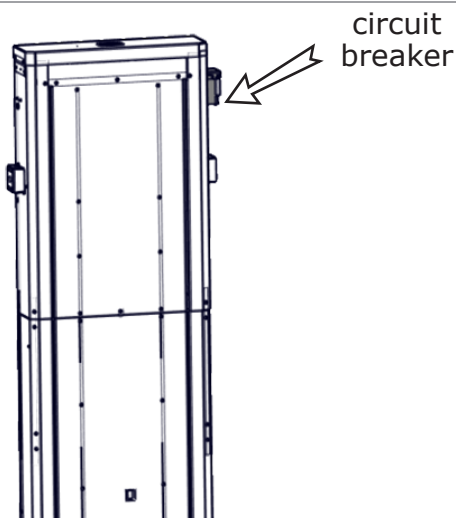
1. Units with electronic door interlock: verify that the platform does not move when any door is not closed and locked.
2. Units with GAL door interlock: verify that the platform does not move more than 2" (51 mm) in relation to the landing.
3. Verify that the safety pans (under the platform) are working properly.

**NOTE: Do not work under the platform when testing operation.**

**NOTE: Please reference ILS-01444 (Maintenance Control Plan for Vertical Platform Lifts) for units that require ASME A18.1 - 2017 and newer compliance.**

### VACATION AND LONG-TERM STORAGE

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During extended periods of non-use, keep the VPL-3200B plugged into a live, properly-grounded AC outlet and place the circuit breaker switch in the OFF position.

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## **BRUNO GOLD LIMITED WARRANTY FOR VERTICAL PLATFORM LIFT 2 Years Major Components — 1 Year Parts**

Bruno Independent Living Aids, Inc.© (Bruno) is so confident in our USA designed and built units that we provide every original buyer with the following "Industry Leading" warranty for your peace of mind.

The quality of parts we use and the care our employees take allow Bruno to provide the original buyer of its Bruno Vertical Platform Lift with a **1-year warranty** that all parts are free of defects in material and workmanship.

Because of the reliability found in Bruno's Vertical Platform Lift product Bruno is able to provide the original buyer with an extended **2-year warranty** of the Major Components of the product, to include the motor, Acme screw and drive nut, brake, pulleys, belt and screw bearings. Bruno's warranty periods begin with **the date of the installation** of the Bruno Vertical Platform Lift.

Bruno Authorized Dealers are trained to evaluate your unique situation and then install the best Bruno product to meet your needs. The trained installation and service technicians employed by Bruno Authorized Dealers have the appropriate equipment and resources needed to correctly install and maintain your new vertical platform lift and are the first contact for any warranty or service needs.

### **SPECIFICS OF THE WARRANTY COVERAGE:**

- ◇ All Parts are free of defects in material and workmanship for a period of one year after the date of installation.
- ◇ All MAJOR COMPONENTS are free of defects in material and workmanship for a period of two years after the date of installation.
- ◇ All labor to address any product defect by a Bruno Authorized Dealer is covered for the first 30 days after installation.

### **WHAT IS NOT WARRANTY COVERAGE:**

- ◇ Damage to units caused by misuse, abuse, accidents, neglect or modifications NOT made by a Bruno Authorized Dealer.
- ◇ Consumables.
- ◇ All labor by a Bruno Authorized Dealer after the first 30 days since installation.
- ◇ Reasonable wear and tear.

### **ADDITIONAL NOTES:**

All Service and Warranty issues are handled through the Bruno Authorized Dealer that installed the unit.

- ◇ In no event shall Bruno be responsible for indirect, incidental or consequential damages, whether such damages arise based on claims based on contract, warranty, tort (including negligence, strict liability or product liability).
- ◇ Bruno reserves the right to replace, repair or, if not commercially practical and/or feasible, to elect to refund the purchase price at its sole discretion.
- ◇ This warranty gives the original buyer specific legal rights, and you may also have other rights which vary from state to state. Bruno specifically does not authorize any person to extend the time or scope of this warranty.

For more detailed information regarding this limited warranty, please contact Bruno by writing:

Bruno Independent Living Aids, Inc.  
Attn: Service Department  
1780 Executive Drive  
Oconomowoc, WI 53066 USA