

Operator Manual



VPL-3100

Vertical Platform Lift

09-16-2024

P/N 3100-O

Manual en español disponible en www.bruno.com



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
- 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.

TABLE OF CONTENTS

Specifications	3
Safety.	4
Operating Instructions	5
Operating in Cold Weather	5
Emergency Operation	6
Troubleshooting and Maintenance	7
Warranty.	8



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.

SPECIFICATIONS

Load Capacity	750 lb (340 kg)
Weight of Unit	
VPL-3153	656 lb (298 kg)
VPL-3175	713 lb (323 kg)
Rated Speed	9 FPM (2.75 m/mn)
Power Supply	120 VAC, 8A, single phase, 60 Hz
Motor	1/2 HP, 90 VDC
Control Voltage	24 VDC
Maximum Floor-to-Floor	53" (1.3 m) unit and 75" (1.9 m) unit
Platform Size	standard: 36" x 48" (91 x 122 cm); optional: 36" x 54" (91 x 137 cm); optional: 36" x 60" (91 x 152 cm); optional: 42" x 60" (106 x 152 cm)
Emergency Operation	provision for manual hand wheel
Standard Features	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, automatic folding ramp
Optional Features	landing call/send station with key (rocker switch or paddle); platform controls (paddle); platform controls with alarm (rocker switch or paddle); platform handrail; platform gate; 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" (91 x 122 cm), 36" x 54" (91 x 137 cm), 36" x 60" (91 x 152 cm), or 42" x 60" (106 x 152 cm); GAL interlock kit; electric-strike interlock kit
Regulatory Technical Specifications	MODEL NUMBER: VPL-3100 Series: Models: VPL-3153 & VPL-3175 (AC-powered) Models: VPL-3153B & VPL-3175B (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.

Thank you for purchasing a Bruno VPL-3100 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 VPL-3100 and / or moderate injury.



Electrical Hazard—Indicates a potentially hazardous electrical situation that, if not avoided, could cause damage to VPL-3100 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-3100 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.

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-3100 must remain locked while the VPL-3100 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.

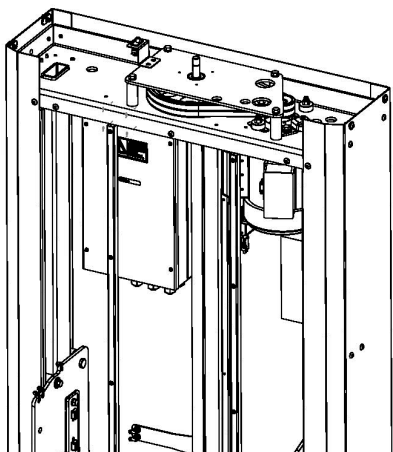
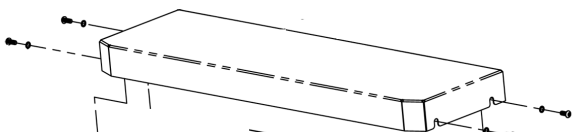
This will warm up the nut and screw mechanism to allow proper operation of the lift.

EMERGENCY OPERATION

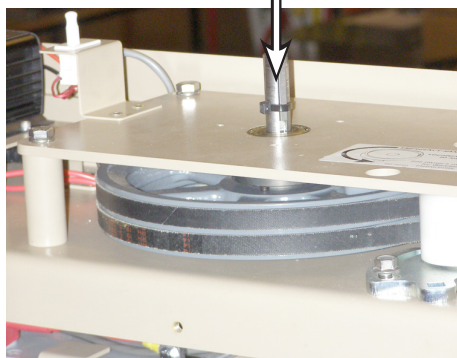
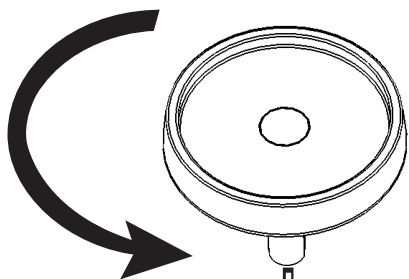
Bruno offers an optional hand wheel for the VPL-3100 to serve in case of a power failure or non-operation.

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.

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. Locate the emergency hand wheel on top of the lift.
4. Insert the hand wheel into the brake shaft opening as shown.
5. Turn the wheel **counterclockwise** to lower the lift.
6. 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.
7. Remove and store the emergency hand wheel.
8. Reinstall the top tower cover and tighten the four (4) screws shown.



TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE / SOLUTION
Platform does not operate properly in the UP or the DOWN direction.	• Gate/door open. Close gate/door. • E-Stop button inadvertently depressed. Pull out E-stop button. • Press E-Stop button to reset controller. Wait (5) seconds. Pull out E-Stop button.
Platform controls do not operate.	• Key switch turned to OFF. Turn key to ON. • E-Stop button inadvertently depressed. Pull out E-stop button. • Power cord unplugged. Plug in cord. • Press E-Stop button to reset controller. Wait (5) seconds. Pull out E-Stop button.

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-3100 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.

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
or call: 1-800-656-0552 toll free

