



PORCH-LIFT®
VERTICAL PLATFORM LIFT

Owner's Manual



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It is important that this entire manual be read and understood prior to attempting operation of equipment. Also, please observe all cautions and warnings!

IMPORTANT

The Serial Number of your
Porch-Lift® Vertical Platform Lift is:

This serial number contains important information about your lift. This number may be needed if the lift requires replacement parts. Please keep it handy.

INTRODUCTION

Now that you have a new Porch-Lift® Vertical Platform Lift, you can begin enjoying new horizons of independent living!

Your Porch-Lift has been manufactured with the same precision and care that has been a tradition for decades. You can be proud of the fact that you join thousands of others who have turned to us for the ideal solution to their accessibility needs.

As you will soon discover, your lift is easy to operate and has been designed for years of dependable and trouble-free operation. However, as with all electrical and mechanical equipment, proper operation and periodic maintenance is required.

This manual has been prepared to provide clear, concise operating and maintenance instructions. We urge you to read and adhere to the important guidelines provided in this manual before you attempt to operate your lift.

Please remember . . . If you do require service, only an authorized Access Industries' dealer has the trained technicians with the required tools and genuine replacement parts needed to properly repair your lift. They are committed to providing quality service

Dealer Information

Name: _____

Address: _____

Telephone No.: _____

If you have questions concerning the operation or maintenance requirements of your Porch-Lift, please contact the local dealer listed above or contact us:

Access Industries, Inc.
4001 East 138th Street
Grandview, MO 64030-2837
816-763-3100

DESCRIPTION OF FEATURES

Learn the location and function of all features before using your Porch-Lift Vertical Platform Lift. The Porch-Lift is available with a hydraulic drive system or a ball screw drive system.

Hydraulic Drive Operating Power: The lift is operated from two 12 V, 33 AH, sealed lead acid batteries. The unit must be connected, at all times, to 115 VAC power source to charge the batteries (230 VAC is optional).

Ball Screw Drive Operating Power: The lift is operated from 115 VAC. The lift must be connected to 115 VAC to operate.

Call/Send Controls (Optional): These controls can be installed at each landing to call the platform to that landing or send the platform to the opposite landing. A key switch limits use to authorized persons only. Full operation is explained on page 6.

Platform Controls: Controls the movement of the platform. Pushing the upper or lower button moves the platform in the corresponding direction. The platform will automatically stop any time a button is released. Full operation is explained on page 6.

Emergency Stop Switch: This switch, located on the platform controls, can be pressed at any time to stop the platform. Full operation is explained on page 8.

Alarm Button (Optional): This button, located next to the emergency stop switch on the platform controls, activates a signaling device when pressed.

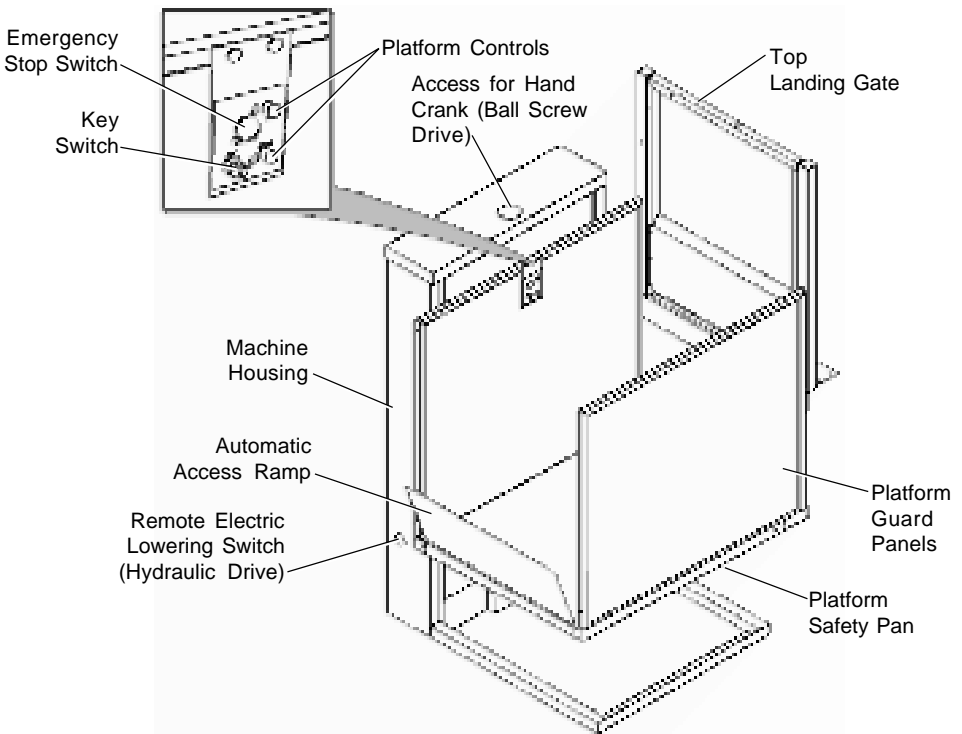
Automatic Access Ramp (Optional): While the platform is not at the lower landing, the ramp is up and acts as a guard to prevent wheelchair movement. As the platform descends to the lower landing, the platform contacts the ramp actuator and the ramp automatically lowers.

Platform Safety Pan: Sensor switches are located on the underside of the platform. These switches will immediately stop the platform, should it encounter an obstacle during its downward travel. Upward travel is not disabled when the safety pan is obstructed. (The safety pan is optional on **TG**, **ENC** and **EZE** models).

Platform Gate (Optional): A platform gate can be provided to keep the rider securely enclosed within the platform. When the platform gate is provided, a gate interlock prevents the platform from operating unless the gate is closed. The gate automatically locks when the platform leaves the lower landing (standard on TG models).

Top Landing Door/Gate (Optional): A gate or door must be installed at the top landing to keep the lift area secured. Each door/gate is equipped with an interlock to prevent the platform from operating unless the door/gate is closed.

TYPICAL COMPONENTS



OPERATING INSTRUCTIONS

The following must be observed at all times:

- Do not exceed capacity of 750 lbs. (340kg) for S, TG and ENC models or 500 lbs. (227kg) for RA model.
- Do not bypass any control sensors.
- Do not use lift to transport freight.
- Do not operate lift if it has been damaged.
- Center the user(s) on the platform while using the lift.

-CALL/SEND CONTROLS:

To “call” or “send” the platform:

Insert key into key switch and turn (clockwise) to the “**ON**” position. Then press and hold a control button in the desired (“**UP**” or “**DOWN**”) direction. The platform will stop automatically upon reaching a landing. Releasing the button at any time will stop the platform's movement.

Note: When using the Call/Send controls on 3-stop units, the platform can only be “called” to the landing that you are at. It cannot be “sent” to a different landing.

-PLATFORM CONTROLS:

Upon entering the platform, make sure the gate or door fully closes behind you.

Insert key into key switch and turn (clockwise) to the “**ON**” position. Then press and hold a platform control button in the desired (“**UP**” or “**DOWN**”) direction. The platform will stop automatically upon reaching a landing. Releasing the button at any time will stop the platform's movement.

Note: On 3-stop units, the control button labeled with the desired landing level must be pressed.

WARNING

Wheelchair wheels must be locked at all times during platform movement. Keep hands, feet and wheelchair inside platform area.

-MANUAL LOWERING

In the event of a power failure, the platform can be lowered manually. See the following steps for the appropriate drive system:

-HYDRAULIC DRIVE: REMOTE ELECTRIC LOWERING SWITCH

In the event of battery failure, the platform can be manually lowered to the lower landing per the following steps:

- 1) Verify the path of the platform is not obstructed in anyway.

WARNING

All obstruction sensors and limit switches are disabled when using the manual lowering device.

- 2) Remove the plastic plug on the side of the machine housing. (See location on illustration on page 5)
- 3) Press the toggle switch and maintain constant pressure to lower the platform.
- 4) Release the switch to stop downward movement.

-BALL SCREW DRIVE: HAND CRANK (Optional on RA model)

In the event power failure, the platform can be raised or lowered using the hand crank per the following steps:

- 1) Turn all key switches to the "**OFF**" position and remove key(s). This is very important, in case power is unexpectedly restored.
- 2) Remove the hole plug from the access hole located on top of the machine housing. (See location on illustration on page 5)

Note: The hole plug was installed with silicone to make the access hole watertight.

- 3) Insert the hand crank through the access hole and place the holes in the bottom of the hand crank onto the roll pins protruding from the brake drum.
- 4) Rotate the hand crank clockwise to raise the platform and counterclockwise to lower the platform.

-EMERGENCY STOP SWITCH

The emergency stop switch can be pressed at any time to stop the platform's movement. All controls are disabled while the knob is pressed in. Pull outward on the knob to return to normal operating position.

-SLACK CABLE SAFETY DEVICE

If one of the drive cables becomes slack, the platform will mechanically lock into the machine housing and electrically terminate power to the drive unit. The device can be reset by your Access Industries' dealer. **Note: If the device sets, the cause must be determined and corrected before the lift is put back into service.**

MAINTENANCE

Regular maintenance is essential in keeping your Porch-Lift Vertical Platform Lift in a proper operating condition. Please remember, you as the owner of this equipment, are responsible for making sure maintenance and upkeep are performed on a regularly scheduled basis.

We strongly urge you to protect your investment by having only an authorized Access Industries' dealer perform all required maintenance, service and repair work.

To assure proper operating condition of your lift, the items listed below should be inspected and/or serviced every six (6) months. However, additional inspections may be necessary depending on amount of usage. In high usage areas, such as schools, nursing homes, clinics and outdoor installations, the unit should be maintained on a three (3) month schedule.

-Hydraulic Drive:

- Tighten all fastening anchors.
- Inspect ramp for proper operation.
- Lubricate ramp linkage and hinges with light weight oil.
- Lubricate gate hinges and adjust speed of door/gate closer.

- ☑ Inspect all travel cables for excessive wear. Replace as necessary.
- ☑ Check level of hydraulic fluid with the platform at the lower landing.
- ☑ Dress ropes with SAE-20W oil. (Do not use grease).
- ☑ Check hydraulic plumbing for leaks.
- ☑ Verify operation of slack rope device.
- ☑ Lubricate linkage of slack rope device.
- ☑ Equalize tension of ropes.
- ☑ Clean guide channels and apply new grease annually.

-Ball Screw Drive:

- ☑ Tighten all fastening anchors.
- ☑ Inspect ramp for proper operation.
- ☑ Lubricate ramp linkage and hinges with light weight oil.
- ☑ Lubricate gate hinges and adjust speed of door/gate closer.
- ☑ Inspect all travel cables for excessive wear. Replace as necessary.
- ☑ Clean ball screw and apply new grease annually.
- ☑ Clean guide channels and apply new grease annually.
- ☑ Grease the pillow block bearings located at each end of the ball screw annually.
- ☑ Verify proper tension of the drive belts.

-Unit Finish

The Porch-Lift is coated with a baked-on polyester finish. An occasional washing with a mild detergent and warm water, followed by an application of automotive wax will help maintain the finish for many years. Touch up any scratched surfaces with touch-up paint.

TROUBLESHOOTING

Before You Call For Service.

A quick check of the Operating Instructions in this manual may prevent an unnecessary service call. Before calling your authorized Access Industries' dealer for service, refer to the following checklist . . .

If Lift Will Not Operate:

- ☑ Check for a blown fuse or tripped circuit breaker at the main circuit box. This may be keeping the battery from being charged.
- ☑ Check that all doors/gates are completely closed.
- ☑ If equipped, check that the emergency stop switch is not activated.
- ☑ Check that key switch is turned to the “**ON**” position.
- ☑ If platform stopped on the way down, move platform up and check for an obstruction underneath the platform.

If the lift will not operate after checking the above items, contact your local authorized dealer for immediate service. If your lift needs servicing, use only original replacement parts and hardware to maintain quality and performance.

LIMITED WARRANTY

ACCESS INDUSTRIES, INC., 4001 East 138th Street, Grandview, Missouri 64030, warrants to the ORIGINAL PURCHASER ONLY for a **two year period on the drive train** (drive train of the ball screw drive consists of motor, bearings, ball nut/screw, pulleys and safety nut; drive train of the hydraulic drive consists of cylinder, motor, pump, valves, bearings, sheave and factory installed hoses) and a **one year period on all component parts**, commencing with the date of installation, that each Porch-Lift® vertical platform lift and all parts used in the lift shall be free of defects in material and workmanship. The self-addressed Limited Warranty card below must be completed and returned to ACCESS INDUSTRIES within 30 days from the date of the lift's original purchase in order for this Limited Warranty to go into effect. OTHERWISE, THIS LIMITED WARRANTY WILL NOT BE APPLICABLE.

The following are examples of items not considered manufacturing defects and are not covered by this Limited Warranty. 1. Difficulty or damage resulting from improper assembly, operation, care of maintenance. 2. Minor mechanical adjustments such as tightening of nuts, bolts, and screws. 3. Damage or difficulties due to misuse, neglect, fire, flood, acts of God, ordinary wear and tear, and damage during shipment that would be the responsibility of the carrier.

NO WARRANTY IS EXTENDED, EXPRESS OR IMPLIED, WHETHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AFTER EXPIRATION OF THE WARRANTY PERIODS LISTED ABOVE FROM THE DATE OF THE ORIGINAL PURCHASE OF THE LIFT. ACCESS INDUSTRIES and its dealer shall not be liable for any consequential, special or incidental damages arising out of the purchase or use of the lift or resulting from breach of this Limited Warranty, or any implied warranty, and the limit of liability of ACCESS INDUSTRIES and its dealer hereunder shall be the lift's purchase price. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, or legal remedies, so these above limitations may not apply to you.

To register your Porch-Lift® Vertical Platform Lift, this card must be completed and returned to Access Industries, Inc. within thirty days from the date of the lift's original purchase in order for the warranty to go into effect. OTHERWISE, this LIMITED WARRANTY WILL NOT BE APPLICABLE. (Please type or print)

NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

PURCHASE DATE _____ MODEL _____ SERIAL NO. _____

WHERE IS UNIT LOCATED: (church, school, residence, etc.) _____

DEALER'S NAME AND ADDRESS _____

To make a claim under this Limited Warranty, immediately send to the dealer who sold you the lift and has the responsibility for handling your warranty claim, a notice of your claim, setting forth the defect complained of, along with a copy of the invoice or other proof of purchase and the serial number of the lift. The Dealer will notify ACCESS INDUSTRIES. Your notice must be received by the dealer within the warranty period from the date of the lift's original purchase. Any defect in the lift due to materials or workmanship will be repaired or the lift replaced without charge for materials. THIS LIMITED WARRANTY DOES NOT COVER ANY LABOR OR SERVICE CHARGES INCURRED IN THE REPAIR OR REPLACEMENT OF A DEFECTIVE LIFT OR PART BY THE DEALER OR ACCESS INDUSTRIES. It is permissible to have any repairs made or replacement work done as a result of any defects in material and workmanship by someone other than the dealer under this Limited Warranty. However, the Limited Warranty does not cover any charges or expenses assessed by any such other person or company performing such repairs or replacement work. All parts used to replace defective materials must be genuine ACCESS INDUSTRIES parts to be covered by this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may have other rights which vary from state to state.

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