

Vertical Platform Lift

Owner's Manual



National Wheel-O-Vator
A Division of ThyssenKrupp Access



ThyssenKrupp

Vertical Platform Lift

National Wheel-O-Vator, a division of ThyssenKrupp Access, would like to thank you for choosing their Vertical Platform Lift. You have purchased one of the finest vertical platform lift packages available on the market today.

What you should know about your *vertical platform lift*.

Your vertical platform lift was acquired through a factory trained and authorized dealer. The normal operation and function of your lift's features should be described and demonstrated to you. We recommend that you obtain a scheduled maintenance agreement from your dealer in order to increase the longevity and reliability of your investment. Scheduled maintenance should be performed every 6 months. Any warranty claim may be denied due to improperly maintained equipment.

Operating Components:

Lift Controller: The relay logic controller is located in the machine tower (shroud).

Drive System: Your elevator is equipped with one of three drive systems. It is either a Standard Screw Drive, a 1:2 chained Hydraulic, or a Fast Screw Drive.

Key Switch (if equipped): This switch is located on the platform operating panel and hall call stations. Insert the key into the switch and turn it to the "on" position. This will activate the unit.

Platform Control: This up/down control is located on the platform operating panel. Press and hold the upper or lower half of the up/down control in order to move the lift in the desired direction.

Emergency Stop/Alarm Button: This button is located on the platform operating panel. In case of an emergency, the button should be pushed. The lift will stop and the alarm will sound. By pulling the button out, the lift will resume operation and the alarm will stop. (The alarm is optional on some models.)

Hall Call: These up/down controls are located at each landing. Press and hold the upper or lower half of the up/down control to move the lift to the desired floor.

Helpful Hints

If the lift will not move:

1. Check to see that all gates/doors are closed. Any gate/door slightly open will prevent operation of the lift.
2. Verify that the emergency stop button is pulled out.
3. If the lift is equipped with a keyed switch, make sure the key is turned clockwise to the "on" position.

Lifts without battery backup or battery power

If power failure occurs:

1. Emergency car light automatically turns on, if equipped.
2. The lift will stop.

Lifts with full time battery power

If power failure occurs:

1. The lift will perform normally.

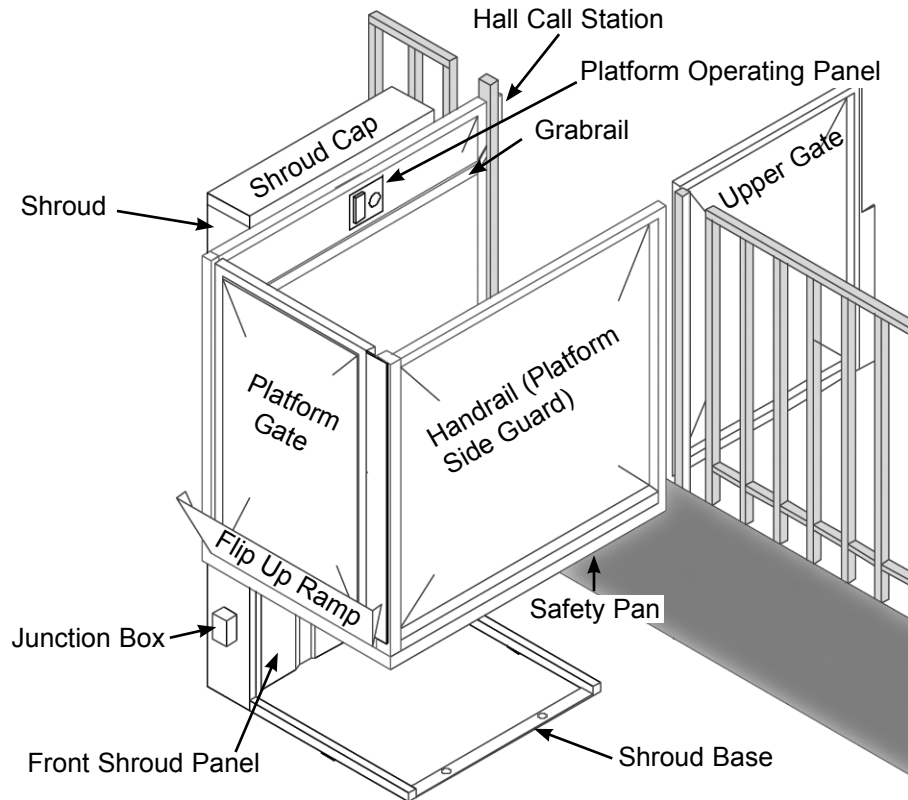
Lifts with battery backup

If power failure occurs while the lift is in use:

1. The lift will stop.
2. Emergency platform light automatically turns on, if equipped.
3. After a pause, the lift will resume operation at a travel speed of 1fpm.
4. Doors will unlock, but will only open manually.
5. The lift will resume normal operation once power is restored.

If power failure occurs while the lift is at rest:

1. Emergency platform light automatically turns on, if equipped.
2. Lift will respond to calls from the platform or hallway at a travel speed of 1 fpm.
3. Doors will unlock, but will only open manually.
4. The lift will resume normal operation once power is restored.



Operation Without Key Switches:

- Press and hold the upper or lower half of the up/down control on the hall call station to move the platform to your landing. The up/down controls are pressure sensitive, therefore; releasing the pressure on the control will stop the unit.
- Open door/gate and move onto the platform.
- Press and hold the upper or lower half of the up/down control on the platform operating panel to move the platform to the desired landing.

Operation With Key Switches:

- Place key in the hall call station key switch. Turn the key clockwise to the "on" position. Press and hold the upper or lower half of the up/down control on the hall call station to move the platform to your landing.
- Turn key counterclockwise to the "OFF" position and remove the key. Open door/gate and move onto the platform
- Place the key in the platform operating panel key switch. Turn the key clockwise to the "on" position. Press and hold the upper or lower half of the up/down control on the platform operating panel to move the platform to the desired landing.
- Turn key counterclockwise to the "OFF" position and remove.

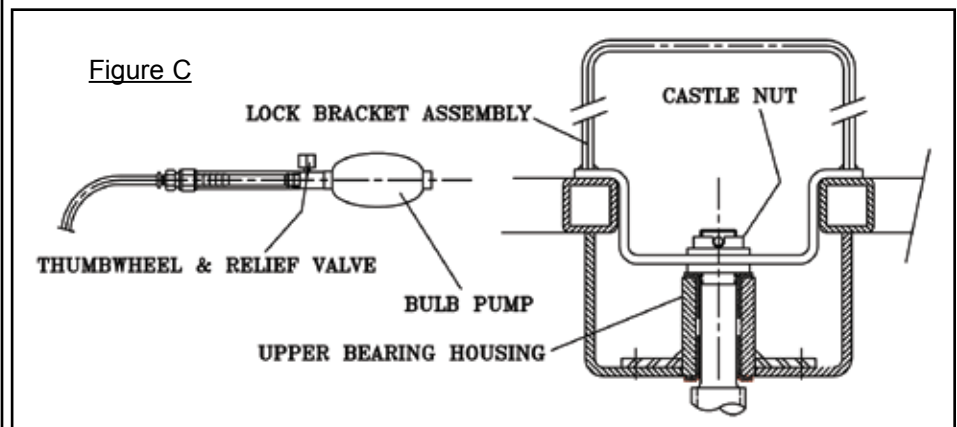
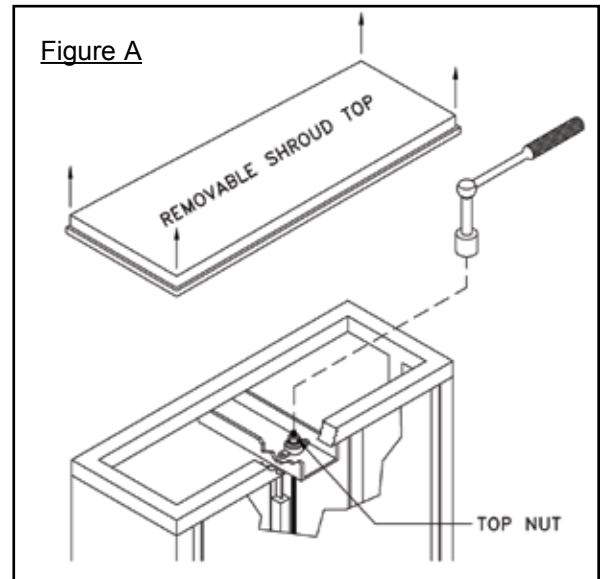
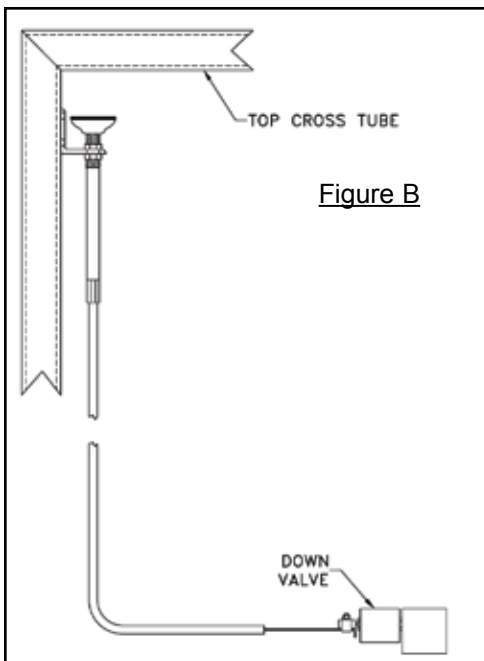
Manual Lowering:

Standard Screw Drive

- Disconnect all power sources.
- Remove the shroud cap from the top of the shroud.
- Place a socket and ratchet on the nut and turn either clockwise or counter clockwise to go up or down. A manual-lowering wrench is available as optional equipment. See [Figure A](#).

1:2 Chained Hydraulic

- Disconnect all power sources.
- Remove the shroud cap from the top of the shroud.
- Pull up on the black knob located near the upper landing side of the shroud. See [Figure B](#).



Fast Screw Drive

- Disconnect all power sources.
- Remove top shroud cap to gain access to bulb pump & lock bracket.
- Lift the lock bracket assembly off of the castle nut using it's handle.
- Close the thumbwheel air relief valve on the bulb pump by turning it clockwise.
- Lock the lift screw lock mechanism by squeezing the bulb pump three to five squeezes.
- Put a 1 1/2" socket with a 10" + 3" extension on the upper screw shaft nut and turn counterclockwise to manually lower. See [Figure C](#).

IMPORTANT

- After manual lowering operation is complete, be sure to release the liftnut lock mechanism by turning the air relief thumbwheel on the bulb counterclockwise. If the lock mechanism is not released, the lock sensor will not allow normal powered operation to resume when power is restored.
- Reinstall the lock bracket assembly onto the castle nut. It will be necessary to turn the nut so it aligns with the hex opening in the lock bracket.

Maintenance and Precautions:

1. Do not attempt to enter runway or service components yourself. Call your authorized installation dealer for professional assistance.
2. Do not use harsh chemicals or flammable products for cleaning lift surfaces or equipment controls.
3. Depending on lift finishes, mild cleaning agents or polishes should keep your vertical platform lift looking like new.
4. This is a passenger lift. Do not exceed the weight capacity or use it for unintended purposes. For example: heavy furniture or freight.
5. Under no circumstances should you attempt to by-pass safety features such as, but not limited to: door locks, gate switches, pit or top of car safety switches, slack rope safeties. They are installed to comply with codes and protect you from personal injury.

In the event you have questions regarding features or operation of your vertical platform lift, please contact your authorized dealer first. National Wheel-O-Vator supports its dealer network with expert technical, engineering, and sales personnel. The best way to show your appreciation for this fine lift is to demonstrate it to your friends or tell your colleagues about it. Thank you!

Please take a moment to read the warranty.

National Wheel-O-Vator

A Division of ThyssenKrupp Access
509 W Front Street, Roanoke, IL 61561-0348

**Manufacturers Limited Warranty
VERTICAL PLATFORM LIFT**

National Wheel-O-Vator, a division of ThyssenKrupp Access, warrants against failure all mechanical components, with the exception of the normal wear items listed below, on our vertical platform lift for a period of four (4) years to the original purchaser only. The warranty commences from the date of shipment. The vertical platform lift shall be free of defects in material and workmanship. The warranty card must be returned to National Wheel-O-Vator within 30 days from the date of the original purchase in order for this Limited Warranty to go into effect. This Limited Warranty will not be applicable if the vertical platform lift has not been installed by a National Wheel-O-Vator factory authorized dealer. In addition, scheduled maintenance and routine inspections must be performed every six months by a National Wheel-O-Vator authorized dealer as per ASME A18.1 Section 10 (see maintenance log included in this manual). Any warranty claim may be denied due to improperly maintained equipment.

No warranty is extended, expressed or implied whether of merchantability of fitness for a particular purpose after expiration of four (4) years from the original shipment date of the unit. National Wheel-O-Vator and its dealer shall not be liable for any consequential, special, or incidental damages arising out of the purchase or use of the unit or resulting from the breach of the Limited Warranty or any implied warranty. The limit of liability of National Wheel-O-Vator and its dealer hereunder shall be the unit's purchase price. In states where limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages or legal remedies exists, the above-mentioned limitations may not apply.

When making a claim, immediately send the dealer who sold you the unit a notice of your claim. All claims must be received within the warranty time period. Any parts with defects in materials or workmanship will be replaced without charge. This is a materials only replacement. Labor, service charges, or shipping costs incurred in the repair or replacement of a defective part are not included in this Limited Warranty. All parts used to replace defective materials must be genuine National Wheel O Vator parts in order to be covered by the Limited Warranty.

The following are examples of items not considered manufacturing defects and are not covered by this Limited Warranty:

1. Damage during shipment, which is the responsibility of the carrier.
2. Damage due to misuse, neglect, improper assembly, installation, operation, care or maintenance.
3. Damage due to fire, flood or other acts of God or ordinary wear and tear.
4. Minor mechanical adjustments such as tightening of nuts, bolts and screws.
5. Replacement of the following normal wear items:

Acme Screw Drive

Hydraulic Drive

Auto-lubrication cartridge (must be replaced every two years)	Cylinder seals and hydraulic fluid
Motor drive belts	Batteries
Carriage wear blocks	Carriage and rail wear blocks
Paint	Paint

Please fill out the Dealer Information box below and keep for your records.

Dealer Information	
Name:	_____
Address:	_____ _____
Telephone Number:	_____
Serial Number	_____
Model Number	_____

Please contact your local authorized National Wheel-O-Vator dealer listed above for information concerning the operation and maintenance of your vertical platform lift.