

Bari Lift & Transfer System



Customer Manual

#8029

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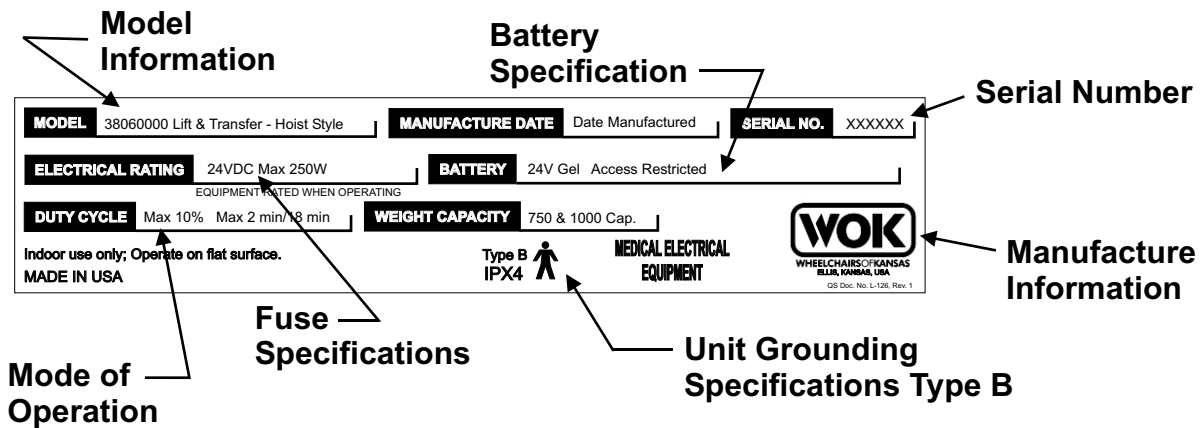
DEFINITIONS OF SYMBOLS

DEFINITIONS OF SYMBOLS

In the following sections you will find important instructions for your safety. The words “WARNING” and “CAUTION” alert you to specific risk of personal injury or property damage. They mean as follows:

⚠ WARNING A hazard or unsafe practice that may cause severe injury or death to you or to other persons.

⚠ CAUTION A hazard or unsafe practice that may cause damage to this lift or to other property.



INTRODUCTION

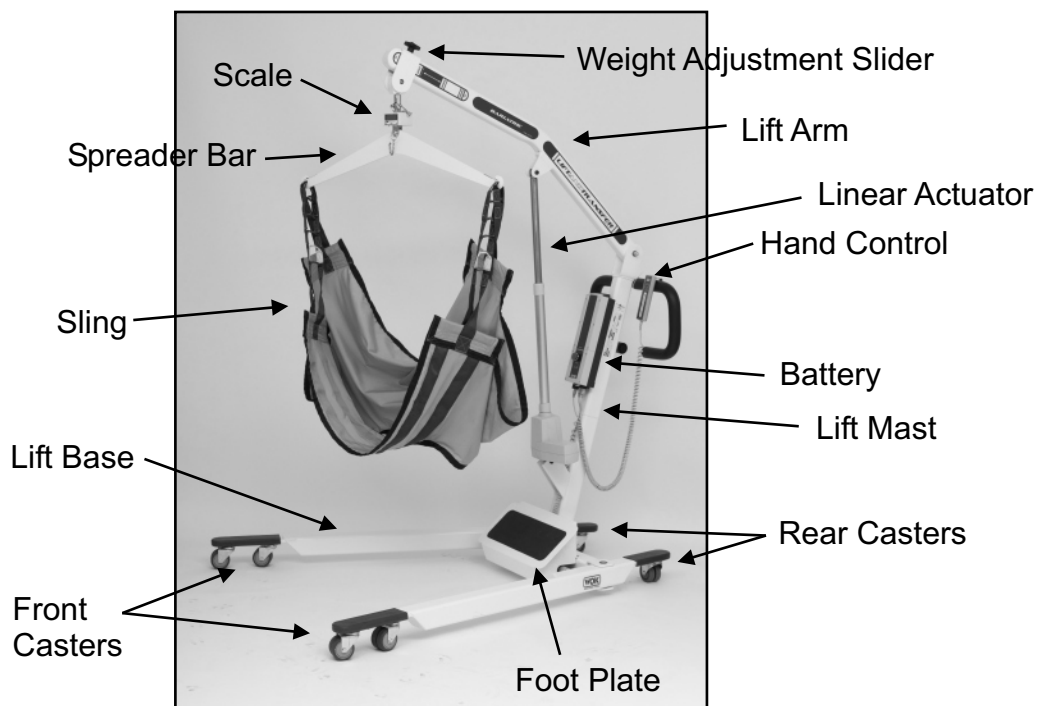
You should make sure that persons who assist you read and follow all warnings and instructions that apply to that use. Before using this lift, each attendant must know what to do to ensure safety.

⚠ WARNING If you fail to heed these warnings, severe injury may occur to you or your attendant.

1. Put the user at ease. Communicate with the patient by telling them what you plan to do.
2. Work with the user's doctor, nurse or therapist to learn safe methods best suited to your abilities and those of the user.
3. Always use good posture and proper body mechanics. When you lift or support the user, bend your knees slightly and keep your back as upright and straight as you can.

DESCRIPTION

The Lift & Transfer is a traditional style, portable lift constructed of heavy-duty steel. The easy rolling casters, two locking in the back and four swivel in the front, allows for positioning into various locations. The lift is operated by a four-button hand control and a linear driven actuator that is virtually silent. For added safety, the emergency release allows the individual to be lowered when battery power is interrupted. By the simple touch of a button, the base width adjusts automatically for stability. This lift is battery powered with a internal charger. The weight capacity can be 750 lbs. or 1,000 lbs. by simply adjusting the slider clamp.



SPECIFICATIONS

Base Width	29.5"-53"
Base Length	61.5"
Base Height	4.75"
Lift Height	34"-75"
Caster Size	3"
Operating Voltage	24VDC
Battery	24V Gel
Charger Input	115AC
Charging Time	Min. 4 Hours
Weight of Lift	212 lbs.
Shipping Weight	2 boxes - 113 lbs. and 131 lbs.
Weight Capacity	750 or 1,000 lb.
(Exceeding this limit will also void the warranty.)	



WARNING

If you fail to heed this warning, a fall may occur and cause severe injury to you or your attendant, and may cause damage to this lift and to other property.

SET UP AND PRE-USE INSPECTION

SET UP

Tools Needed: #3 Allen Wrench (Hex Wrench)
1/2" wrench
9/16" wrench
3/4" wrench

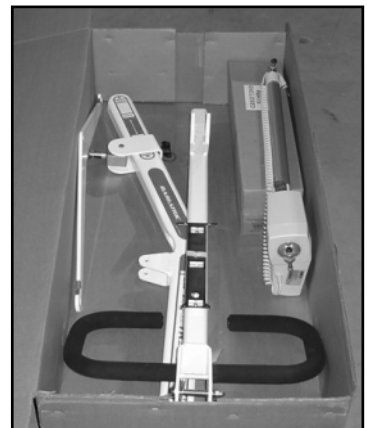
Before unpacking; Check for visible signs of damage which should be reported. If no damage is observed, carefully remove the packaging material from the boxes.


After unpacking you should have the following parts:

Lift Arm	Lift Mast
Lift Base	Actuator
Hand Control	Spreader Bar
Battery (2 pieces)	Battery Charger Cord
Sling	Sling Bars
Sling Chains	



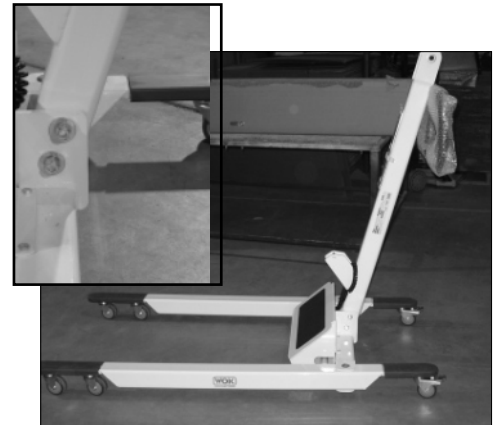
Note: Any damage or shortages must be reported **immediately**.



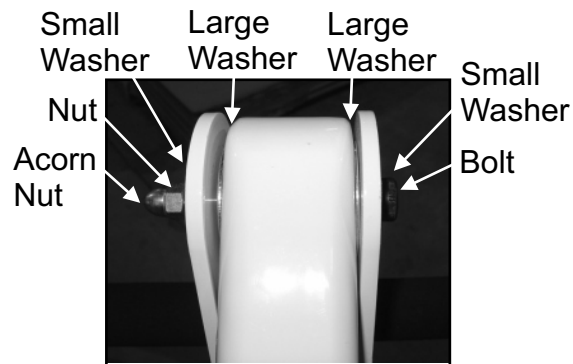
 **WARNING** Improper installation can result in injury. To avoid injury, read and follow all instructions.

SET UP AND PRE-USE INSPECTION

1. Remove all packing wrap from the lift base. Remove the two bolts, washer and nuts from the base. Insert lift mast into position securing with the 2 bolts supplied. Place washer and nut on the end of the bolt and tighten using a 3/4" wrench.



2. Remove the bolt at the top of the lift mast. Place the lift arm in place. Be sure when placing the bolt through to place the smaller washer on the outside of the mast, then the larger washers next to the arm. See picture below for proper placement. Secure nut with 9/16" wrench and #3 allen, then tighten acorn nut. Lift arm should move freely up and down.

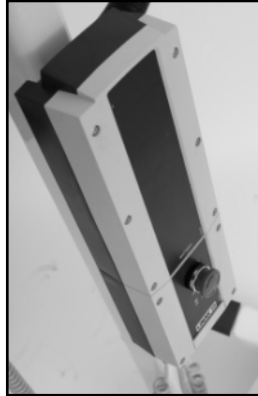


3. Attach the bottom of the actuator first using a #3 allen wrench and 1/2" wrench.
4. Using the #3 allen wrench and 1/2" wrench, attach the top of the actuator.



SET UP AND PRE-USE INSPECTION

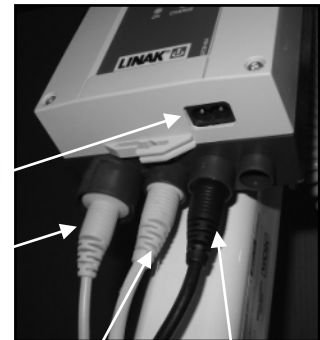
5. Using a #3 allen wrench attach the smaller or bottom portion of the battery to the lift mast. As shown in the picture. The larger or top portion of the battery snaps into place by placing the bottom into the lower half of the battery. Then snap the top into place.



6. Looking at the bottom of the battery pack, starting at the left, plug in the hand control cord, next plug in the arm actuator cord and then base (black cord) actuator cord. The cord that plugs into the wall is used to charge the battery, plug it in above the other outlets as indicated.

Battery
Charger Cord

Hand Control



Arm Base
Actuator Actuator

7. After assembly is complete, articulate the lift to check all functions are performing properly. To operate lift, turn battery on by pressing the red button. Press the red button again to turn the battery off.

NOTE: The lift will not operate if plugged into 115V power source.



SET UP AND PRE-USE INSPECTION

SAFETY CHECKLIST



WARNING

If you fail to heed these warnings, severe injury may occur to you or others. Before each use of your lift you should:

1. If you detect a problem, make sure to repair or adjust your lift before using it.
2. Make sure that your lift operates easily and freely and that all parts work smoothly.
3. Check for excess noise, vibration or a change in ease of use. They may be signs of a problem such as a need for lubrication, loose fasteners or damage to the lift.

OPERATION OF MECHANISM

BATTERY

To operate lift, turn battery on by pressing the red button. Press the red button again to turn the battery off.

This lift runs off a 24V Gel battery. To charge the battery, plug the lift into a 115V outlet with the cord supplied. The cord should be plugged into the bottom of the battery.

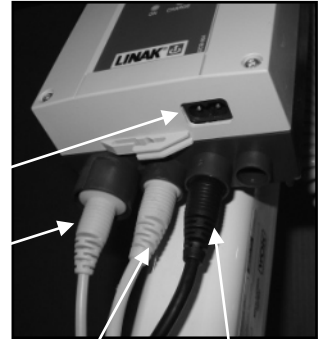
NOTE: The lift will not operate when plugged into 115V power source.



Looking at the bottom of the battery pack, starting at the left, plug in the hand control cord, next plug in the arm actuator cord and then base (black cord) actuator cord. The cord that plugs into the wall is used to charge the battery, plug it in above the others as indicated.

Battery
Charger Cord

Hand Control



Arm
Actuator Base
Actuator

CLOTH SLING USAGE

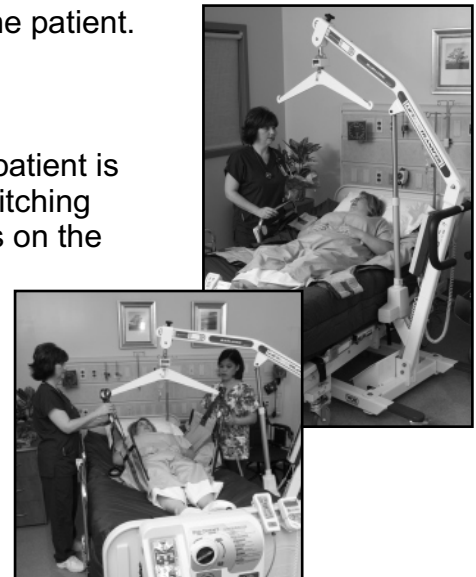
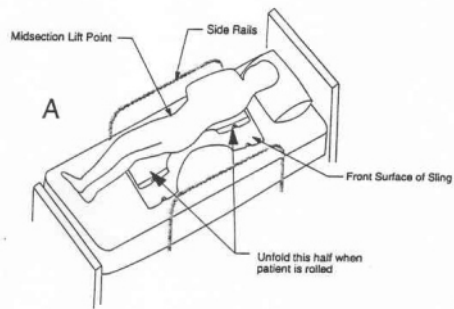
- ⚠ WARNING** - Read these instructions before proceeding with installation. If you fail to heed these warnings, severe injury may occur to you or others.
- ⚠ WARNING** - Sling should be inspected on a regular basis. Frayed or worn slings can fail and result in serious injury. Worn slings should be immediately removed from service and replaced.
- ⚠ WARNING** - There are numerous styles of slings with various functions available in the market place today. The functions of other slings may or may not be suitable for this specific patient lift. Severe injury may occur to you or others if the specific sling manufacture's warnings and usage recommendations are not followed.

OPERATION OF MECHANISM

The sling offered is designed for bariatric individuals up to 1,000 lbs. This sling is not intended for use on non-bariatric individuals. Below is the recommended weight for the large and x-large slings (ultimately sling size should be based on individuals shape and size):

Large	450-750 lbs. (204-340 kg)
X-Large	600-1000 lbs. (272-454 kg)

1. Fold sling in half lengthwise.
2. Roll patient away from attendant.
3. Place folded sling along length of patient as close to back as possible with lower edge of sling slightly below Knees.
4. Roll patient back toward attendant and open sling fully.
5. Roll patient back so they are centered along the length of sling.
6. Center lift over the patient by rolling the base underneath the bed. Using the hand control widen the base of the lift for maximum stability.
7. Using the hand control, lower the spreader bar down to the patient.
8. Attach the straps from the sling onto the spreader bar.
9. Press the up button to raise the patient, check to ensure patient is seated correctly and is not pitching forward. If patient is pitching forward, return to starting position and make adjustments on the sling straps.



OPERATION OF MECHANISM

Care of the Sling

1. Remove sling bars from pockets before washing.
2. Machine wash separately in warm water or cold water. If washed above 80° F the fabric color and integrity may be affected.
3. **Do not use bleach!! Mild detergent is recommended.**
4. Drip dry or cool dryer cycle.
5. Do not dry clean.
6. Discard sling after the 80th wash or within 4 years of manufacture date. Manufacture date located on the sling label.
7. Discontinue use if any signs of wear.

EMERGENCY LOWER RELEASE

⚠ WARNING If you fail to heed these warning, sever injury may occur to you or others. Do not stand beneath the patient or lift arm when using the emergency release.

The lift has a emergency lower release in the event of electrical failure. Locate the red clip on the base of the actuator rod, slide up to activate the emergency release.



GENERAL

⚠ WARNING If you fail to heed these warnings, severe injury may occur to you or others.

1. Never let your fingers or other body parts come between moving parts when you operate this lift. Doing so may cause a pinch or crush type injury.
2. Never work under the lift while it is in operation.

OPERATION OF MECHANISM

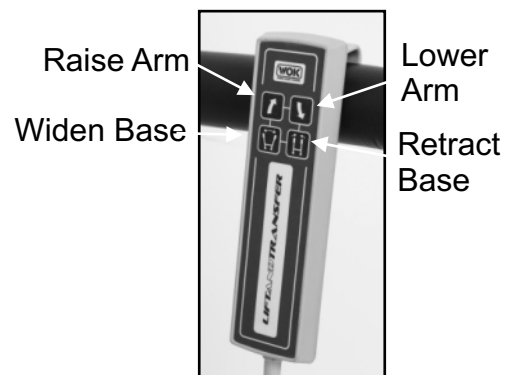
3. Never perform maintenance on the lift while it is plugged into an electrical outlet.
4. Because the wheel locks (brake) are not engaged, the casters may move/roll when the lift is articulating into various positions. Stand clear of the frame before operating.
5. Rotating parts. Keep fingers and arms away when mechanism is moving.
6. Operating this lift with any part of the body in the frame can result in injury. Stand clear of the lift frame before operating.
7. Make sure that all cords are properly positioned before operating the lift. Failure to do so could result in electrical shock and serious injury.
8. Do not use this lift if the power cord is cut, frayed, or loosely connected to the lift.
9. Electrical hazard may occur if lift is plugged into inadequate power supply. Make sure that the lift is plugged into a 110 volt, grounded outlet.

HAND CONTROL

The hand control has four functions:

- Raises Lift Arm
- Lower Lift Arm
- Widen Lift Base
- Retracts Lift Base.

The cord should be plugged into the base of the battery.



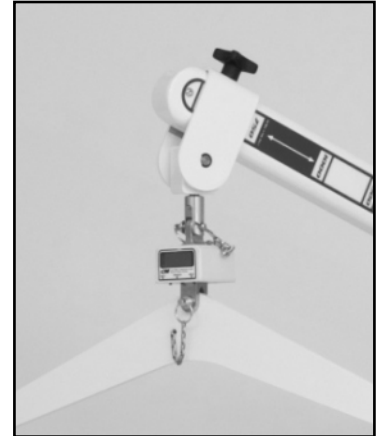
OPERATION OF MECHANISM

HARNESS ATTACHMENT

⚠ WARNING If you fail to heed these warnings, severe injury may occur to you or others.

For Spreader Bar Style:

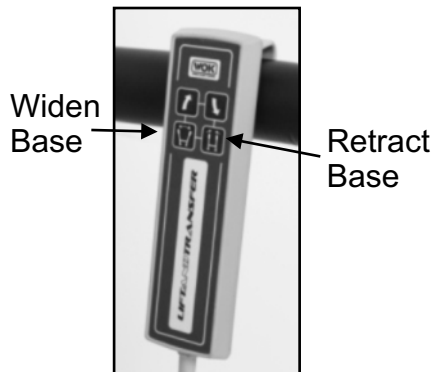
Remove the Hairpin from the Clevis Pin and remove the pin. Place the spreader bar in the Clevis opening so the Clevis Pin can pass through the hole in the center of the Spreader Bar then replace the Hairpin. Shown with optional scale.



POSITIONING UNIT

Position the lift over the bed with the center of the spreader bar over the mid-section of the person to be transferred.

Using the hand control, widen the base for stability, then lower the spreader bar to person being transferred. Hook the chains onto the sling, then onto the spreader bar (See cloth sling usage instructions). Raise patient using the hand control. Before moving person being transferred, retract the base.



REACHING OR LEANING

⚠ WARNING - Reaching or leaning affects your center of balance. If you fail to heed these warnings, a fall may occur and cause severe injury to you.

Avoid reaching or leaning over the side of the lift.

TRANSFERS

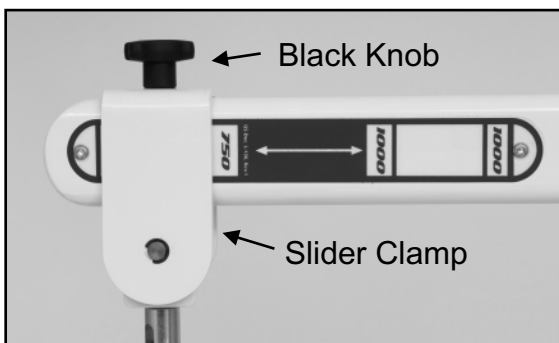
⚠ WARNING - If you fail to heed these warnings, a fall may occur and cause severe injury to you.

1. Transfers require good balance and agility and are very dangerous. Learn how to position your body and how to support yourself during a transfer.
2. Work with your doctor, nurse or therapist to learn safe transfer methods.
3. Transfer should never be performed alone.
4. Position the lift at an elevation comfortable to you.
5. Make sure that whatever you are transferring to is stable and will not slide away from you during the transfer.

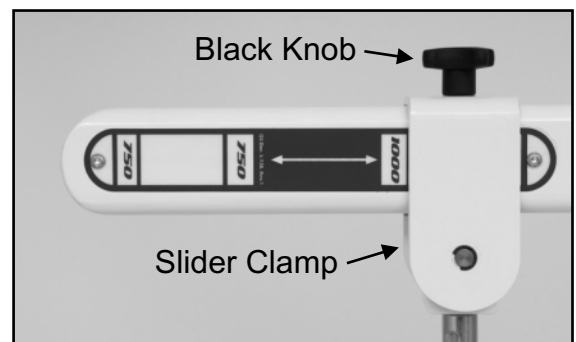
WEIGHT ADJUSTMENT SLIDER

⚠ WARNING - If you fail to heed these warnings, severe injury may occur to you or others.

To change the weight capacity, loosen the black knob. Move slider clamp to desired weight capacity. Tighten knob when the slider clamp is in place.



750 lb. Weight Capacity



1000 lb. Weight Capacity

FEATURES

DIGITAL SCALE (IF EQUIPPED)

The scale is a compact precision scale system designed specifically for use with the Bari Lift & Transfer System.

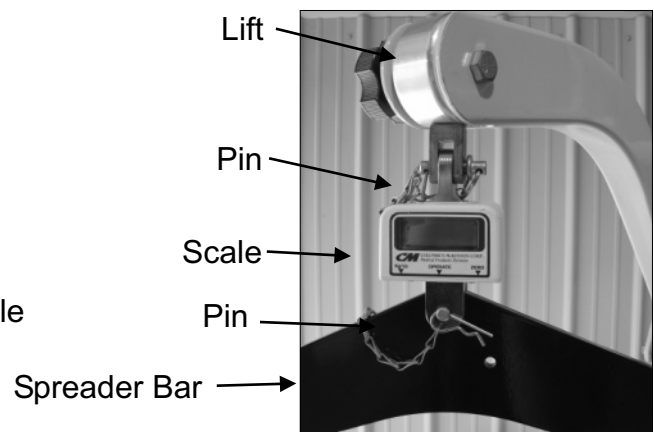
Completely self-contained, the scale combines the latest in precision strain gauge technology and microprocessor signal conditioning to provide stable, accurate and repeatable weight data with a calibrated accuracy of 0.1%.

One Button Auto-Zero Electronics makes patient weighing quick and easy.

The scale derives its' power from a single 9 volt lithium battery which will provide up to 3000 weight readings.

To assemble onto lift

1. Assemble scale into lifter as diagramed.
2. **IMPORTANT!** Make sure that all hardware is tight and in good condition before use.
3. Attach the swivel bar to the bottom of the scale system then attach the selected sling.



To Operate Scale

1. Attach the scale system as described in the installation instructions. Make sure that the unit is properly installed and all hardware is secure.
2. With the sling in place, press the "ZERO" button to set the system zero. The digit "0" will pan across the display for a few seconds then the display will read "0.0".
3. Remove the sling, position the patient in to the sling, then reattach to the swivel bar.
4. Carefully lift the patient. When the motion has stabilized, press the "OPERATE" button to display the weight data.
5. **NOTE:** The display will automatically turn itself off after approx. 60 seconds to conserve battery power. If the display turns off before you are able to view the weight data, press the "OPERATE" button once again.
6. Carefully lower the patient after reading weight.

ALWAYS RE-ZERO THE SCALE SYSTEM BEFORE WEIGHING(step 2)

⚠ CAUTION - This scale is intended to obtain patient weight during transfer (i.e.:bed to chair). This scale is **NOT** intended for use during patient transport and should be removed in such case.

System Specifications

Weight Range: 453KG/1000LB

Display Resolution: 0.1KG/0.1LB

Accuracy: 0.1% +/-1 digit of reading

Display Type: Liquid Crystal

Size: 3" x 3" x 4"

Weight: 1 Pound

Power Supply: 9 Volt Lithium Battery

Battery Life: Approx. 3000 Readings

BATTERY REPLACEMENT

The scale is powered by a single 9 bolt battery. This battery should provide approximately 3000 readings before needing replacement.

NOTE: The load cell contains no user serviceable components and should be serviced by authorized personnel only. Any unauthorized tampering will void the warranty.

SERIAL NUMBER LOCATION

Manufacturer serial number is located on the manufacturer label on the lift mast next to the battery.

SAFETY TIPS

FASTENERS



WARNING Many of the screws and bolts used in your lift are special high-strength fasteners. If you fail to heed these warnings, severe injury may occur to you:

1. Improper fasteners may fail. Use only screws and bolts provided by Wheelchairs of Kansas.
2. If screws or bolts become loose, tighten them as soon as possible.

MAINTENANCE



WARNING This lift requires regular maintenance to maintain performance and avoid premature wear, damage and injury.

You should check the items on this chart at the indicated intervals. If any of the items are loose, worn, bent or distorted, immediately have them checked and/or repaired by your authorized Wheelchairs of Kansas technician. Frequent maintenance and servicing will improve performance and extend the life of the lift. When the lift is used as a rental, it should be serviced each time it is taken in and out of the field or each new rental. For long term rental, the following maintenance chart should be followed.

	Three Months	Six Months	Annually
Fasteners	√		
Frame		√	
Casters	√		
Dealer Inspection			√

STORAGE & DISPOSAL

The lift should be stored in a dry location so that the components do not become contaminated with moisture. If this lift is stored for any period of time, make sure it is adjusted properly and that all components are in working order before using. The device needs to be stored and operated in an temperature range of -5°C to 45°C.

Contact the manufacturer for proper disposal information on this device. The battery must be collected, recycled or disposed of in an environmental manner. It is unlawful to incinerate or discard in a municipal solid waste or landfill.

CLEANING



WARNING Before cleaning the lift, be sure to disconnect it from the wall outlet (power source). Failure to do so could result in electrical shock and cause severe injury to you and damage the electrical components.

Do Not allow electrical components to become wet.

For your protection, it is important to wear eye protection and rubber gloves.

Prepare detergent/disinfectant (reg. by EPA as hospital disinfectant, see below) solution according to the instructions on the label for correct usage. A basin or spray bottle (with product label) can be used. Use a pump (usually on the detergent/disinfectant containers) to dispense the concentrate into the basin or spray bottle, then fill with the correct amount of tap water. If using a spray bottle, empty and rinse out after use.

NOTE: The stability of the solution is unknown after 24 hours, therefore a fresh preparation of cleaning solution must be prepared for each day of cleaning.

Wipe down, clean the frame of the **lift**, and allow to air dry. Cover with plastic and return to storage area. **Do Not allow the electrical components to become wet.**

* The following two recommended products are registered by the EPA as hospital disinfectant. They are both quaternary ammonium compounds and are used in environmental sanitation of non-critical surfaces.

1. Wex-cide Disinfectant, manufactured by Wexford Labs, Inc, Product number, Wex-cide 128
2. Quaternary Detergent-Disinfectant, manufactured by Airken Professional Products, Product number, A-33

Care of the Sling

1. Machine wash separately in warm water or cold water. If washed above 80 °F the fabric color and integrity may be affected.
2. **Do not use bleach!!** Mild detergent is recommended.
3. Drip dry or cool dryer cycle.

SAFETY TIPS

4. Do not dry clean.
5. Discard sling after the 80th wash or within 4 years of manufacture date. Manufacture date located on the sling label.
6. Discontinue use if any signs of wear.

WARRANTY INFORMATION

<u>PRODUCT</u>	<u>WEIGHT CAPACITY</u>	<u>WARRANTY</u>
Lift & Transfer System	750 lbs. 1000 lbs.	Five Years on Structure; One Year on All Other components; One Year on Electrical

LIMITATIONS AND EXCLUSIONS

1. Products which have been used for purposes other than the intended uses; or which have been subject to negligence, abuse, improper storage or handling, improper operation, unauthorized modifications or damages beyond normal wear and tear as determined by Wheelchairs of Kansas are not covered by this warranty.
2. If weight capacity on any such product is exceeded, the warranty will be void. Any unauthorized repairs to product/part, as well as tampering with any components, will void the warranty.
3. Parts or materials which are subject to normal wear resulting from the use of these products and which must be replaced/repared due to such normal wear, are the owner's responsibility and are not covered by this warranty.
4. This warranty is exclusive and in lieu of all other express warranties, implied warranties, including but not limited to the implied warranty of merchantability and fitness for a particular purpose, and shall not extend beyond the duration of this warranty. Wheelchairs of Kansas shall not be liable for any consequential or incidental damages whatsoever.
5. This warranty applies to the purchaser only and is non-transferable. Invoice/shipping date is used as the start date for the warranty.
6. For warranty information in Canada please contact Canadian Medical Healthcare at 1-877-850-1330.

GOVERNING LAW

This purchase order and warranty shall be deemed executed in the county of Ellis, state of Kansas and the point of sale shall be deemed to be in the county of Ellis, state of Kansas. All disputes relating hereto shall be exclusively governed by, and construed in accordance with, the laws of the State of Kansas, without reference to its conflict of laws principles. Any legal action or proceeding relating to this purchase shall be instituted solely in a state of federal court in Ellis County, Kansas. Wheelchairs of Kansas and customer agree to submit to the jurisdiction of, and agree that venue is proper in, these courts in any such legal action or proceeding.

WARRANTY INFORMATION

WARRANTY SERVICES PROCEDURES

1. The product/part should be returned to the original selling dealer. To return the product/part to the factory the dealer must call to request authorization. At this time a return authorization number (RA#) will be issued. This RA# will be valid for 21 days from date issued. If the product/part is shipped to the factory without a RA # it will be refused.
2. Wheelchairs of Kansas products, with the exception of the bath/shower aids, are identified by a 6-digit serial number. Serial number identification is required for discussion of service. Removal or defacing this serial number may void all warranty.
3. For headboards and footboards with the beds, which are not covered under warranty, the customer will be responsible for shipping and return shipping costs. For all other products and parts, customers will not be responsible for shipping or return shipping costs for products and parts under this warranty returned within thirty (30) days of receipt; 31 - 60 days, customer will be responsible for shipping costs to Wheelchairs of Kansas; 61 days or more, customer will be responsible for shipping and return shipping costs.
4. If the problem is a result of defective material or workmanship, the product/part will be replaced or repaired at the discretion of Wheelchairs of Kansas, at no charge to the customer.
5. For replacement or repair of a product/part not covered under this warranty or if warranty is void the following applies: labor charges (minimum of \$45/hour; minimum of 1 hour) incurred and freight or delivery charges will be billed to the customer.

NOTE: Wheelchairs of Kansas will only pay regular ground freight on warranty product/parts.

MANUFACTURER DISCLAIMER

GENERAL INFORMATION

All specifications, equipment and prices are subject to change without notice. Wheelchairs of Kansas reserves the right to make improvements from time to time. Photos and drawings are representative of the products and may vary slightly from actual production models. Some items photographed in this brochure may include optional equipment. Contact or consult with your dealer to ensure proper equipment sizes, specifications and options.

TRADEMARKS AND PATENTS

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WHEELCHAIRS OF KANSAS

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