

OPERATOR'S MANUAL

AERIAL

MOBILE FULL BODY LIFT

Model No. 51870



WARRANTY

Wy'East Medical Corporation (Wy'East) warrants to the original user the Aerial Mobile Full Body Lift manufactured by the company is free from defects in material and workmanship under normal use and service. The term of warranty from the date of product receipt is for a period of two (2) years on mechanical lift components, one (1) year on electronic components, and one (1) year for the battery. During this term Wy'East will provide to the user, at Wy'East's option, new or repaired replacement components.

In order to initiate a warranty claim, original user must notify Wy'East within the applicable warranty period specifying the nature of the claim. Wy'East will issue instructions as to the procedure to follow. Wy'East reserves the right to confirm the existence of any claimed defect and to determine whether any damage was caused by neglect, misuse, unauthorized alteration or failure to follow maintenance instructions. With respect to a claim covered by this warranty, the defective part will be replaced or repaired at no charge, provided the defective part is returned to Wy'East. The user has the responsibility for installation. Assistance is available by calling [\(503\) 657-3101](tel:5036573101) or through email at info@weeastmed.com. This is the exclusive remedy for a claim under this warranty and in no event shall Wy'East be liable for consequential damages. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED.

PLEASE

Read this entire manual before operating the Aerial Mobile Full Body Lift.

This warranty applies to the Wy'East Aerial Mobile Full Body Lift only.
For questions or information regarding the Aerial Mobile Full Body Lift, contact:

Wy'East Medical Corporation
16700 SE 120th Ave.
Clackamas, OR 97015, USA
[\(503\) 657-3101](tel:5036573101)
[\(800\) 255-3126](tel:8002553126)

weeastmedical.com
info@weeastmed.com

Contents

INTRODUCTION

HOW TO USE THIS MANUAL:	4
DEFINITIONS:	4
SAFETY CONSIDERATIONS FOR ALL PROCEDURES:	6
PRIOR TO FIRST USE:	6
FEATURES:	7
Handset:	7
Legs Open/Close Function:	7
Lift Arm Lift/Lower Function:	7
Mast Height Positioning:	8
Battery / Control Box Combo:	9
Control Box Connections:	10
Emergency Off:	10
Manual Emergency Down:	10
Powered Emergency Down:	10
OPERATING THE AERIAL MOBILE FULL BODY LIFT:	11

MAINTENANCE & ASSISTANCE

TECHNICAL SPECIFICATIONS:	12
PERIODIC MAINTENANCE:	13
AFTER EVERY USE	13
ONCE A MONTH	13
ONCE A YEAR	13
TWICE A YEAR	13
EVERY TWO YEARS	13
ELECTRONICS:	13
BATTERY CARE AND CAUTIONS:	13
ELECTRONICS ENVIRONMENTAL CONDITIONS:	15
OPERATING:	15
STORAGE:	15
TRANSPORT:	15
TROUBLESHOOTING:	16
FACTORY ASSISTANCE:	17
REPLACEMENT ITEMS:	17
RETURNING ITEMS:	17
REPLACEMENT PARTS:	18
NOTES:	19
CONTACT INFORMATION	20

INTRODUCTION

HOW TO USE THIS MANUAL:

This manual is designed to familiarize you with the operation of the Aerial Mobile Full Body Lift. Read it thoroughly before using or servicing the equipment. Keep the manual for future reference and for new members of your staff.



DO NOT ATTEMPT TO USE EQUIPMENT WITHOUT UNDERSTANDING THIS MANUAL

To ensure safe operation, read carefully the entire manual, before installing, operating, or servicing this equipment.

If anything is not completely understood, please contact your supplier for more details. Failure to comply with warnings in this manual may result in injury.

Keep this manual with the Aerial Mobile Full Body Lift and refer to it as required. Contents of this manual are subject to change without prior notice to users.

DEFINITIONS:

The words **WARNING**, **CAUTION**, and **NOTE** carry specific meanings and should be carefully reviewed.

WARNING: The personal safety of the patient or user may be involved. Disregarding this information could result in injury to the patient or user.

CAUTION: These instructions point out special procedures or precautions that must be followed to avoid damaging the Aerial lift or its components.

NOTE: This provides special information to make maintenance easier or important instructions more clear.

MEANING OF SYMBOLS

	Caution		Safe working load (SWL)
	Consult instructions for use (IFU)		Do not step on surface
	Important		

Your Aerial Mobile Full Body Lift is designed for transferring and repositioning a patient by utilizing a sling or other assistive device.

- Low clearance for greater bed or stretcher access.
- Adjustable leg width makes for easy access to wheelchair or commode.
- Integral neoprene molded sling bar safety pad.
- Durable, light-weight aluminum frame.

The Aerial is a mobile patient lift designed for people with impaired mobility. Used in conjunction with proper sling or other assistive device, the Aerial will transfer or reposition a patient with comfort and convenience.

The Aerial has a compact footprint allowing for greater maneuverability in tight spaces.



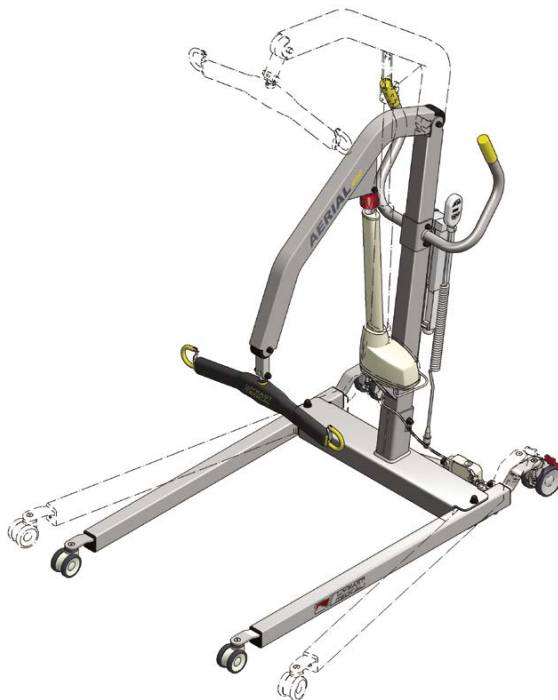
Intended for use in acute care, long-term care, outpatient care, and home care. It is not recommended for use in a shower.



Prior to using the Aerial for transfer or any other procedure, the patient must be assessed by a qualified professional to determine the suitability of using the Aerial with that patient.



Remove the transport plastic bag on handset cable and mains cable before use. Cables must be fixed to the application or placed in such a way that users cannot stumble and injure themselves.





SAFETY CONSIDERATIONS FOR ALL PROCEDURES:

1. The Aerial is designed to be used ONLY on level surfaces.
2. Inspect the lift functions prior to any patient use. Ensure all functions are in proper working order.
3. Prior to using the Aerial for transfer, the patient must be assessed by a qualified professional to determine the suitability of using the Aerial with that patient.
4. Never leave the patient unattended while strapped to the Aerial, or during any portion of the lift procedure.
5. Ensure the patient sling is used according to the sling IFU.
6. Never move the lift using the actuators as handles.
7. Never exceed the safe working load. SWL is 600 lbs.
8. Do not power wash the Aerial.
9. When cleaning and disinfecting, use a 5.25% chlorine bleach dilution and an EPA registered Hard Surface Disinfectant on painted and plastic surfaces. On all other surfaces use an EPA registered Hard Surface disinfectant wipe that does not contain sodium hypochlorite (bleach).
10. Warranty applies only if repairs or alterations are performed by an authorized technician.

PRIOR TO FIRST USE:



The battery must be charged for 24 hours in order to reach proper function and prolong the lifetime of the batteries.



Ensure all cables are completely inserted. A light film of silicon grease may be dabbed onto o-ring to allow easier insertion.



Regarding the lifting and leg position motors the duty cycle on the control box product label must always be noted. Otherwise, there is a risk of damaging the product. Exceeding the duty cycle will result in a dramatic reduction of the lifetime of the system. Unless specified otherwise on the product label, the duty cycle is a maximum 10%. Example: Two minutes of continuous use must be followed by 18 minutes of no use.



If any individual parts are suspected to be damaged, do not operate the parts, but return them for inspection/service.

FEATURES:



Handset: (P/N: **51661**)

Press any button once to power lift on. Press again to operate pendant controls.

1. Press  to raise lift arm.
2. Press  to lower lift arm.
3. Press  to open legs.
4. Press  to close legs.



Legs Open/Close Function:

1. Press  on handset to open legs.
2. Press  on handset to close legs.

Allows clearance for the caregiver to get around a chair, wheelchair or commode.



Lift Arm Lift/Lower Function:

1. Press  on handset to raise the patient.
2. Press  on handset to lower the patient.

Lift the patient to the desired height.

FEATURES:

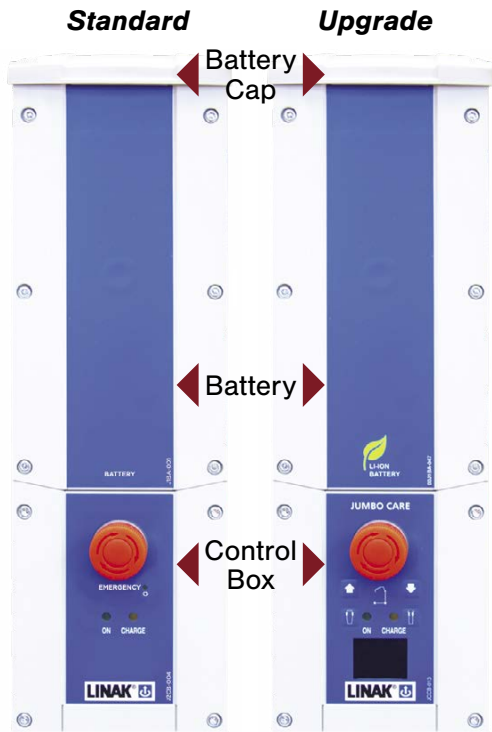


Mast Height Positioning:

Allows the end user to pick between desired mast height positions. The Aerial will ship in the lowest mast height position.

To adjust, remove black bolt caps, unbolt 9/16" hex head bolt and nut. With the assistance of another person, remove bolt and lift the mast and arm tube to the desired location. Realign the bolt through the base frame and mast with 1 washer on either side of the base frame. Tighten bolt and nut, torqued to 30 foot pounds. Replace black caps and test to make sure all functions are operating correctly.

FEATURES:



Battery / Control Box Combo:

The control box disperses the power from the battery to the leg, lift arm, and handset functions.

The Battery Cap (P/N: **51658**) snaps into place on top of the battery.

The Battery (P/N Std: **51655** | Upgrade: **52431**) should be charged for a full 24 hours prior to the first use.

The Battery should be charged after every use.

The Control Box (P/N Std: **51657** | Upgrade: **52432**) receives the connections from the leg actuators, lift arm actuator and the handset. Please see Fig. 1 for connections.

Control Box Display: (Upgrade only)

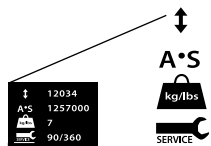
Standard Display:

Cycles done - number of fully loaded lifts on actuator

Work done - Amp power

Overloads - Number of overloads attempted

Days between service - Number of days since last service



Icons shown when hand control button active

Battery Information:

Battery State: 100% - 50%

Battery State: 50% - 25%

Battery State: Battery needs charging – less than 25%

Charging Battery:

Mains cable plugged in. Lift will not work in this state.

Short circuit

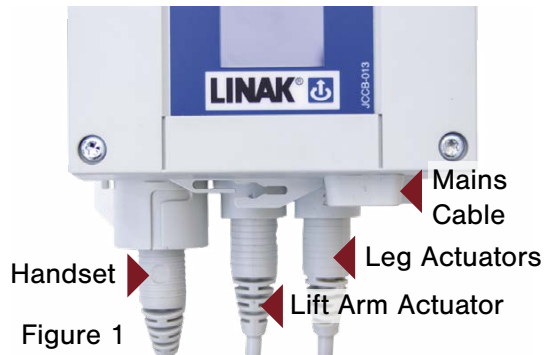
Needs service: standard set to 12 months / 8000 cycles.

See Periodic Maintenance on page 13 for reset instructions. System will still function.

Overload has occurred

NOTE:
For further information, please refer to the LINAK CBJ-Care operators manual.

FEATURES:



Control Box Connections:

The control box disperses the power from the battery to the leg, lift arm, and handset functions.



Emergency Off:

In case of emergency, push the large red button to cut power to unit.

Ensure red button is disengaged in order to return unit to functionality. To disengage, turn the red button a half turn clockwise and spring loaded action will pop the button out.



Manual Emergency Down:

In the event there is not enough power to lower the patient, rotate the red collar at the top of the actuator rod as shown. The lift arm will slowly lower the patient.

Standard



Upgrade



Powered Emergency Down:

In the event the handset does not function, push the button on the control box to lower the lift arm.

OPERATING THE AERIAL MOBILE FULL BODY LIFT:

1. Refer to the sling IFU prior to use with the lift.
2. OPEN the LEGS of the Aerial to an appropriate width to maneuver the lift around a chair, wheelchair or bed.
3. Position the Aerial as instructed by the sling IFU. (Fig. 2).
4. Place the sling loop over the sling bar hook and ensure the safety latch closes. Repeat loop placement per the sling IFU. (Fig. 3.)
5. Ensure that the rear WHEELS are UNLOCKED.
6. Raise the patient to the desired position.
7. Move the lift to the location of intended transfer.
8. Follow the sling IFU when lowering the patient and removing the sling loops from the sling bar hooks.
9. Once the sling is no longer attached to the lift, move the lift clear of the patient.
10. CLOSE LEGS.
11. PLUG IN MAINS (plug into a wall outlet) to ensure battery is fully charged for next use.

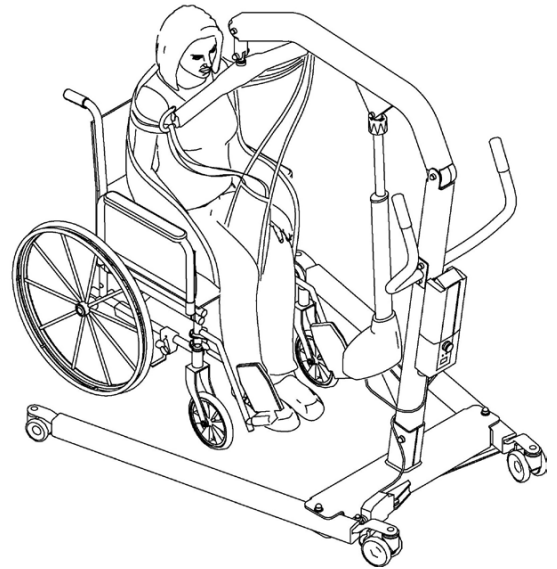


Figure 2

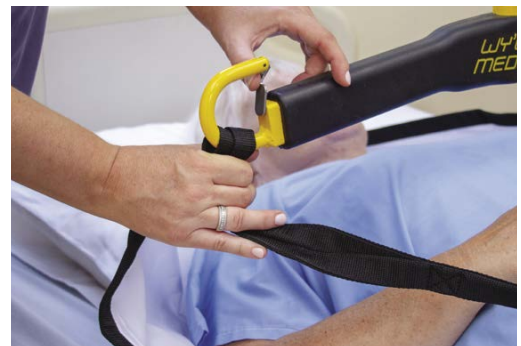
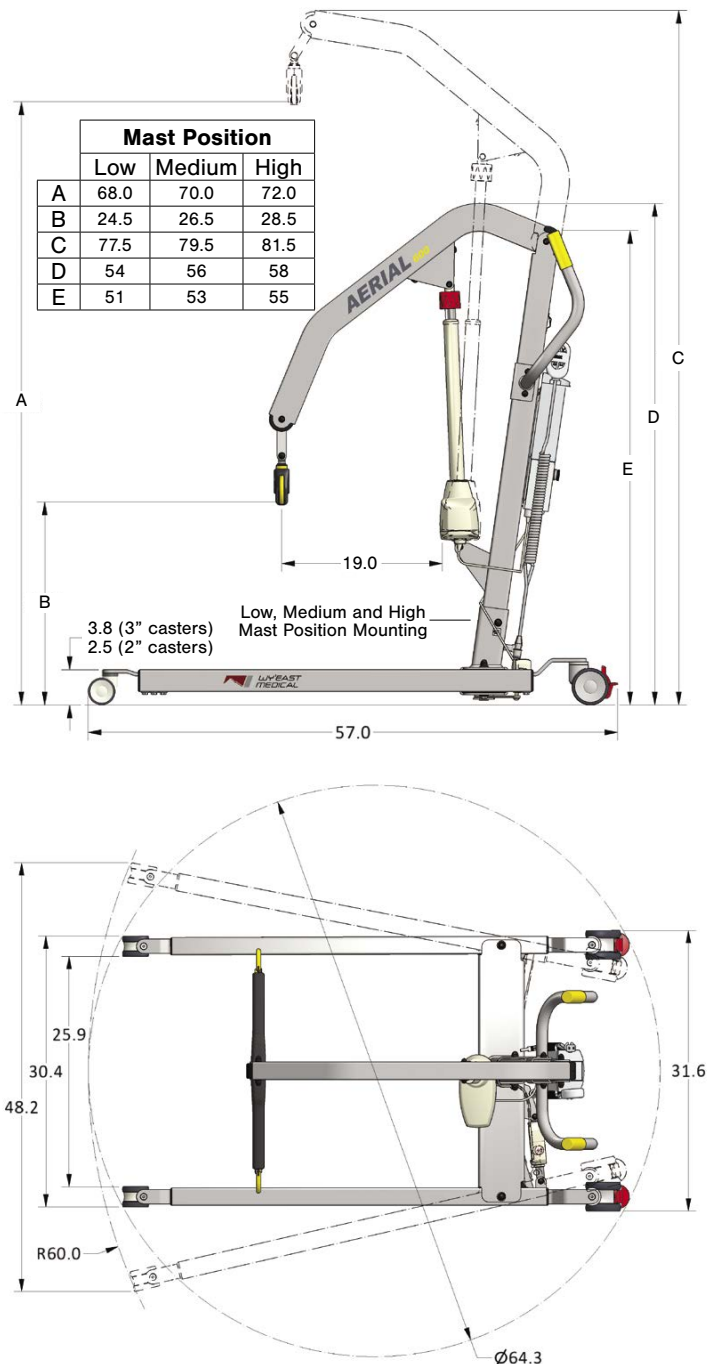


Figure 3

TECHNICAL SPECIFICATIONS:

PARAMETER	SPEC
• SWL 	600 lbs
• Device Part Number	51870
• Unit of Measure	1 Each
• Battery	Li-Ion 25.9V 2.25Ah
• Number of Lifts per Charge	35 - 40
• Charge Time	24 hrs fully discharged
• Total Weight	87 lbs
• Wheel Diameter, Front	3" or 2"
• Wheel Diameter, Rear	4"
• Turning Diameter	64.3"
• Leg Under Bed/Stretcher Clearance	3.8" or 2.5"
• Standard Door Width Clearance	31.6"
• Lifting Speed Unloaded	1.4 in/s
• Frame	Aluminum
• FDA Device Class	Class 1
• FDA Product Code	FSA
• FDA Regulatory Number	880.5510



ENVIRONMENTAL CONDITIONS

	FOR SHIPMENT AND STORAGE	FOR USE
Temperature	14°F to 104°F (-10°C to 40°C)	41°F to 104°F (5°C to 40°C) ambient
Relative Humidity	20% to 80% non-condensing	20% to 80% non-condensing
Atmospheric Pressure	70 kPa to 106 kPa	70 kPa to 106 kPa

Note: Li-Ion batteries must be stored without exposure to direct sunlight

PERIODIC MAINTENANCE:

The following scheduled maintenance and inspections will help to ensure trouble-free operation of your Aerial Mobile Full Body Lift.



Not recommended for use in shower.
Do not pressure-wash the unit.

AFTER EVERY USE

- Plug in the Mains (plug in to wall outlet).

ONCE A MONTH

- Check for loose or missing nuts and bolts.
- Clean unit – wipe off dust.

ONCE A YEAR

- Perform load testing.

TWICE A YEAR

- Raise the lift arm to its max height and wipe the cylinder rod of the actuators clean.

EVERY TWO YEARS

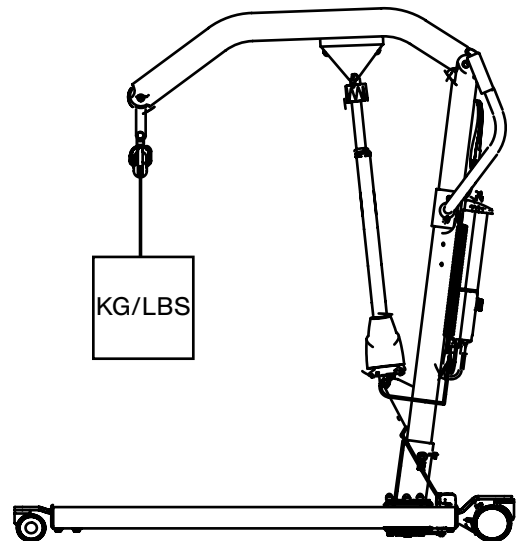
- Replace the battery.

NOTE: On the upgraded control box (with a display) reset the “Needs Service” indicator by pressing the raise and lower buttons on the handset simultaneously and hold for 5 seconds.

Load Test:

- Run the lift with specified load* all the way up and down.
- Make sure the load is hanging straight down from the lift hooks, so they don't bend.
- Run the base in and out with specified load*.
- Listen for peculiar noises and vibrations

Test Load*: 272 KG / 600 LBS



ELECTRONICS:

BATTERY CARE AND CAUTIONS:



Handle batteries carefully.



Battery packs may emit hydrogen gas. Do not bring fire or a heated object close to the battery pack, and never use the battery near a spark, fuses and/or equipment that emits sparks. Further, do not store the battery in a closed environment or incorporate it into a closed structure of an enclosure. Doing so may cause an explosion, fire, equipment damage, and bodily injury.

STANDBY MODE

When the BAJL Li-Ion is not being used for a longer period - more than a week - or when it is on stock, it enters into a standby mode to save power and protect the battery from deep discharge.

- Connect the charger for approx. 15 seconds to exit the standby mode before use.
- There is no audio signal to indicate the standby mode or to indicate exit of standby mode.

AFTER EXIT OF THE STANDBY MODE

If there is still no power on, the battery needs to be charged.

After charging, the hand control and/or the control box will indicate the battery capacity level again.



DEEP DISCHARGE PROTECTION

The BAJL Li-Ion has a deep discharge protection to extend the battery life.

The deep discharge protection is activated when the battery is discharged.

- Connect the charger for approx. 15 seconds to exit the deep discharge mode before use.

If the battery is completely discharged, the charging will be started at a very small rate to protect the battery. This small charging rate is not sufficient to turn on the light in the charger, and therefore the user may believe the system has not yet started.

Depending on the battery state, it may take several hours to get to the normal charging state. The orange light of the control box will not be turned on as the operation is analogue. It is therefore not possible to see the charging has started, however, only at a low level.



Do not connect the positive terminal and the negative terminal of the battery packs with a wire or other metals.

Short-circuiting the terminals of the battery can cause burn injuries, damage to the storage battery or trigger explosions.



Never connect the battery packs directly to a power supply socket or an automobile's cigarette lighter without using a charger as a medium.

Connecting the battery directly can cause the battery to leak fluid, generate heat, explode, cause fires, or bodily burns and injuries.



Battery packs contain dilute sulphuric acid, which is a toxic substance. If battery fluid leakage were to occur and make contact with skin or clothing, wash completely with clean water.

Additionally, if the fluid gets in your eyes, wash them with clean water immediately, and see a doctor. When dilute sulphuric acid enters the eye, it can cause a loss of eyesight and skin exposure can cause a burn on your skin.



Do not use or store LINAK battery packs where the surrounding temperature exceeds 50°C, such as inside a hot automobile, in direct sunlight, or in front of a stove or a source of intense heat. Doing so can shorten battery life, lower its performance level, cause the battery to leak fluid, become damaged, or deform.

ELECTRONICS ENVIRONMENTAL CONDITIONS:

OPERATING:

Temperature _____ 5°C to 40°C
Relative humidity _____ 20% to 90% @ 30°C – not condensing
Atmospheric pressure _____ 70 to 106 kPa

STORAGE:

Temperature _____ -10°C to +50°C
Relative humidity _____ 20% to 90% @ 30°C – not condensing
Atmospheric pressure _____ 70 to 106 kPa

TRANSPORT:

If the actuator is assembled in the application and is exposed to push or pull during transportation, the actuator may be damaged. Do not drop an actuator or otherwise damage the housing during disassembly or transportation. We do not recommend using an actuator which has been damaged.

TROUBLESHOOTING:

SYMPTOM	POSSIBLE CAUSE	ACTION
No power.	Battery is not charged.	Charge battery.
	Mains cable is plugged into wall outlet.	Unplug mains cable.
	Standby Mode.	Connect the charger for approx. 15 seconds. Reference "Standby Mode" and/or "Deep Discharge Protection" section on pg. 14.
	Red EMO switch is pushed in.	Turn a quarter turn to the right to have switch pop back out.
Battery will not charge.	Battery is damaged.	Replace battery.
	Battery is damaged.	Replace battery.
Boom arm actuator will not lift.	Too much weight on the lift.	Check the weight of person being lifted.
	Actuator rod has been damaged.	Check for visual signs of side impact. Call for service.
	Broken connection.	Check that all cables completely pushed into control box.
Boom arm actuator will not lower.	Check for obstructions.	Remove obstruction.
	Actuator rod has been damaged.	Check for visual signs of side impact. Call for service.
	Broken connection.	Check that all cables completely pushed into control box.
	Cable damaged.	Replace cable.
Leg actuator will not extend/retract.	Actuator is damaged.	Check for physical damage to housing and/or actuator rod. Call for service.
	Broken connection.	Check that all cables completely pushed into control box.
Leg actuator will not extend/retract.	Cable damaged.	Replace cable.

FACTORY ASSISTANCE:

Expected lifetime: 8-10 years

REPLACEMENT ITEMS:

To order replacement parts, contact Wy'East Medical Customer Service.

Include the following information with your request:

1. Serial and Model numbers of your Aerial Mobile Full Body Lift.
2. Purchase date, if available.
3. Part number and description of the replacement part needed (see "Replacement Parts" section on page 18 of manual).
4. Shipping and billing instructions, including complete address.

RETURNING ITEMS:

To return parts or goods, contact Wy'East Medical for authorization.

Contact information:

Telephone: [\(503\) 657-3101](tel:5036573101)

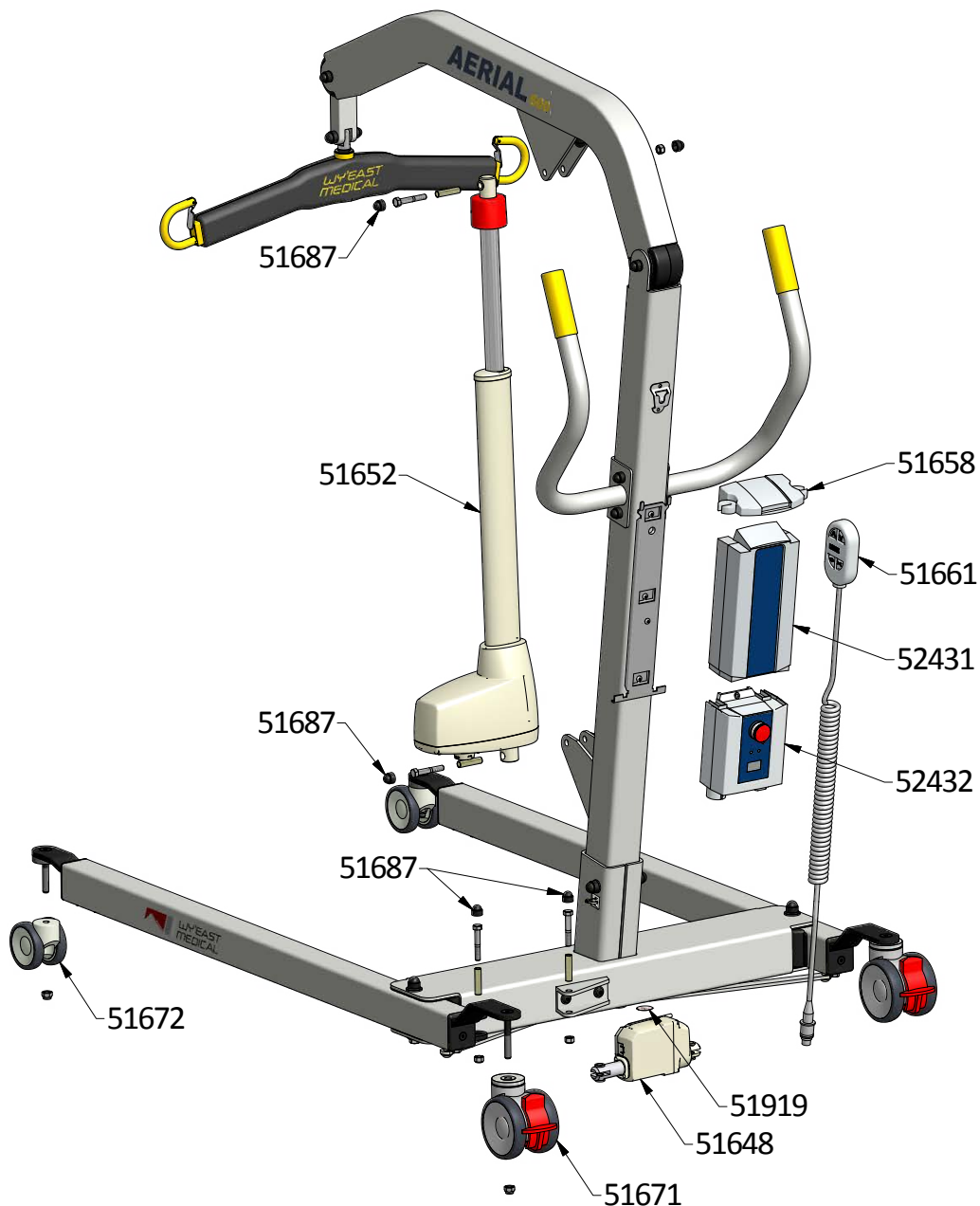
Email: customerservice@weastmed.com

WARNING:

No unauthorized modification of this equipment is allowed. Contact Wy'East Medical prior to any modification of this equipment.

REPLACEMENT PARTS:

This manual provides maintenance and service information for the Aerial Mobile Full Body Lift. If replacement parts are required, contact WY'EAST MEDICAL with the serial number of your Aerial Mobile Full Body Lift to ensure the accuracy of replacement parts.



NOTES:

CONTACT INFORMATION

For questions or information regarding other Wy'East Medical products, contact:

Wy'East Medical Corporation

16700 SE 120th Ave.

Clackamas, OR 97015, USA

[\(503\) 657-3101](tel:(503)657-3101)

[\(800\) 255-3126](tel:(800)255-3126)

wyeastmedical.com

info@wyeastmed.com

