

OPERATOR'S MANUAL

SUMMIT **POWERED SIT-TO-STAND**

Model No. 51750



WARRANTY

Wy'East Medical Corporation (Wy'East) warrants to the original user the Summit Powered Sit-to-Stand 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 Summit Powered Sit-to-Stand.

This warranty applies to the Wy'East Summit Powered Sit-to-Stand only.
For questions or information regarding the Summit Powered Sit-to-Stand, contact:

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

weeastmedical.com
info@weeastmed.com

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SUMMIT

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INTRODUCTION

HOW TO USE THIS MANUAL:

This manual is designed to familiarize you with the operation of the Summit Powered Sit-to-Stand. 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 Summit Powered Sit-to-Stand 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 Summit 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		Do not step on surface
	Important		

Your Summit Powered Sit-to-Stand is designed for assisting patients with partial weight bearing ability to stand and transfer.

- Bed to Chair transfer.
- Wheelchair repositioning.
- Easy access for wheelchair.
- Total adjustability for convenience and usability.
- Sturdy dependability.

The Summit is a mobile powered sit-to-stand for people with impaired mobility. Used in conjunction with the proper accessories, the Summit will assist a patient to a standing or semi-standing position with comfort and convenience. It provides support under the feet, against the shins and behind the back.

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



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

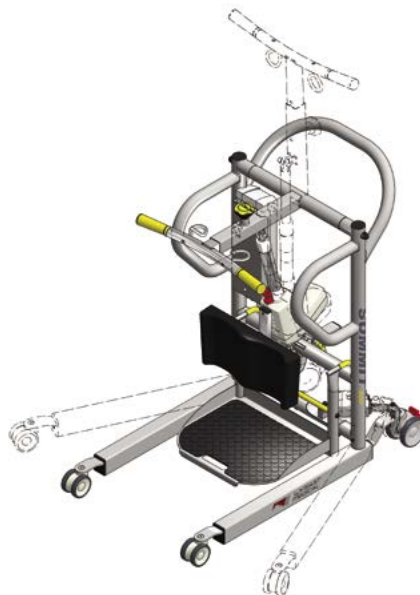


Prior to using the Summit for transfer or any other procedure, the patient must be assessed by a qualified professional to determine the suitability of using the Summit with that patient. Patients should be partial weight bearing, have upper body strength and be able to follow instructions.



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.

With the footrest removed the Summit can be used to assist in weight bearing rehabilitation and balance training.





SAFETY CONSIDERATIONS FOR ALL PROCEDURES:

1. The Summit is designed to be used ONLY on level surfaces.
2. ALWAYS unlock the wheels while lifting and lowering the patient.
3. Inspect the lift functions prior to any patient use. Ensure all functions are in proper working order.
4. Prior to using the Summit for transfer, the patient must be assessed by a qualified professional to determine the suitability of using the Summit with that patient.
5. Never leave the patient unattended while strapped to the Summit, or during any portion of the lift procedure.
6. Ensure the patient has the sling mounted properly around the waist with arms outside the sling and straps.
7. Never move the lift using the actuators as handles.
8. Warranty applies only if repairs or alterations are performed by an authorized technician.
9. Never exceed the safe working load. SWL is 500 lbs.

CLEANING AND DISINFECTION:

1. Do not power wash the Summit.
2. Painted and plastic surfaces (other than electronics): When cleaning and disinfecting, use a 5.25% chlorine bleach dilution or an EPA registered Hard Surface Disinfectant on painted and plastic surfaces. On all exposed metallic surfaces use an EPA registered Hard Surface disinfectant wipe that does not contain sodium hypochlorite (bleach).
3. Electronics: Ensure actuators are at their minimum stroke before cleaning. Organic solvents like halogenide/aromatic hydrocarbons and ketones must not be used. Observe the following regarding detergents and disinfectants on electronic components:
 - a. Do not use strong alkaline or acidic compounds (pH value 6-8).
 - b. Compounds must not contain corrosive or caustic material.

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.



The duty cycle on the control box product label must always be noted. Otherwise, there is a risk of damaging the products. 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 max. 10% : Max. 2 minutes in the use followed by 18 minutes not in use.



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

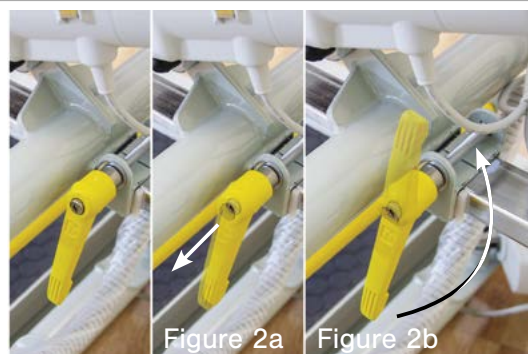
FEATURES:



Install/Uninstall Footrest:

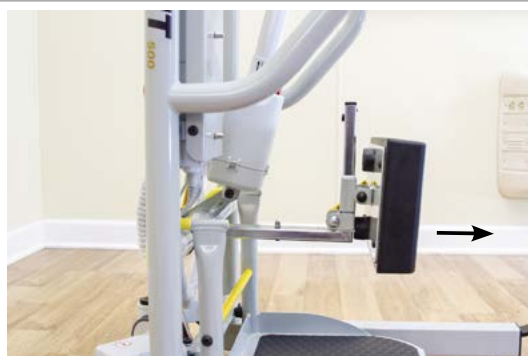
To remove the footrest, lift up by holding the yellow cross bar and handle (see Fig. 1).

- Raise the footrest 2 inches vertically.
- Remove as shown.



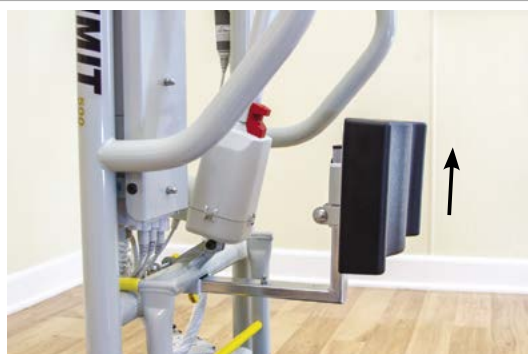
Shin Guard Cam Lever:

- To clamp, rotate the lever clockwise.
- To re-position the lever at an angle to allow clamping, pull the yellow handle back (see Fig. 2a), rotate to desired position (see Fig. 2b) and release.
- You are now ready to rotate to clamp.



Shin Guard Adjustment Toward/Away from Patient:

Adjust the shin guard to ensure shin guard rests against the patient's shins while patient is sitting with lower leg at 90° to thigh where the thigh is parallel with the floor.



Shin Guard Adjustment Up/Down:

Adjust the shin guard to ensure the top of the shin guard is at least 2 inches below the patient's patella to avoid injury.

FEATURES:



Handlebar Release Knob:

To release the handlebar, pull up on yellow knob.



Extend/Retract Handlebar:

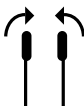
To extend the handlebar, push out while pulling up on yellow knob.

To retract the handlebar, pull in while pulling up on yellow knob.



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.

FEATURES:



Legs Open/Close Function:

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

This function allows for greater clearance for the caregiver to maneuver around a chair, wheelchair, or commode without crowding the patient.

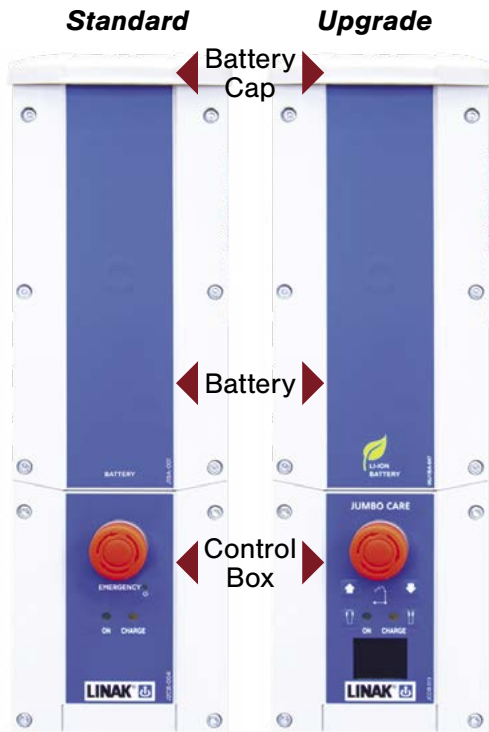


Lift Arm Lift/Lower Function:

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

Lift the patient to the desired height.

FEATURES:



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: **51885**) 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: **51656** | Upgrade: **52433**) receives the connections from the leg actuators, lift arm actuator and the handset. Please see Fig. 3 for connections.

Control Box Display: (Upgrade only)

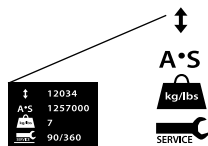
Standard Display:

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.

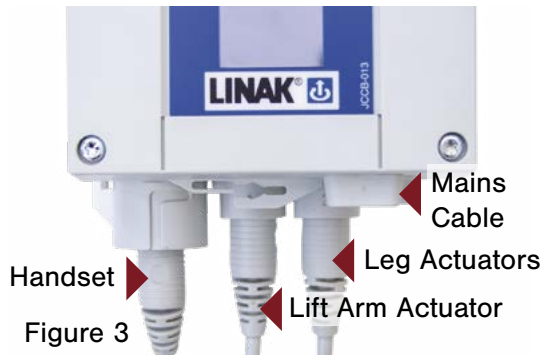
See Periodic Maintenance for reset instructions. System will still function

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. This will re-activate the spring-loaded button.



Manual Emergency Down:

In the event there is not enough power to lower the patient, pull up on the red handle at the neck of the actuator as shown. The lift arm will slowly lower the patient (*Must have weight to lower*).

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 SUMMIT POWERED SIT-TO-STAND:

1. Secure Sling to patient. Follow sling instructions for proper fit, placement and use.
2. ENSURE patient is able to sit in an upright posture and position the Summit as shown in (Fig. 4).
3. OPEN the LEGS of the Summit to fit around a chair or wheelchair.
4. Move lift toward patient until patient's feet are fully supported by footrest and patient's legs are positioned as close to a 90 degree angle as possible. (Fig. 4).
5. Summit wheels should remain unlocked to allow lift to move to center of gravity and prevent lift from tipping.

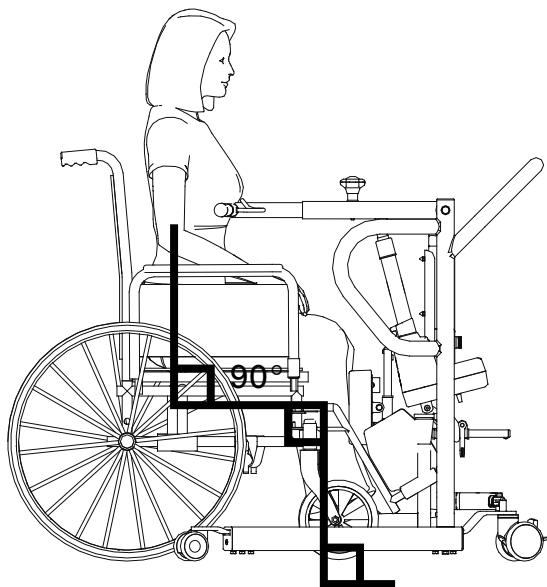


Figure 4



Figure 5

6. Adjust shin guard to ensure patient's shins are flush with the shin guard. Adjust shin guard to ensure it rests two inches or more below patient's knees. Lock Cam Lever.
7. EXTEND the HANDLEBAR (Fig. 5) until it is as close to the patient as possible, with patient sitting in an upright posture (Fig. 4). (To extend the handlebar, PULL UP on the yellow knob on the lift arm.)
8. With patient sitting as upright as possible, hold the straps out toward the handlebar and select the LOOP color that reaches the handlebar/hook junction. Place loop UNDER the handlebar and hooks as shown to ensure proper sling placement (Fig. 6). Ensure the same color sling loops are used on both hooks (Fig. 6).

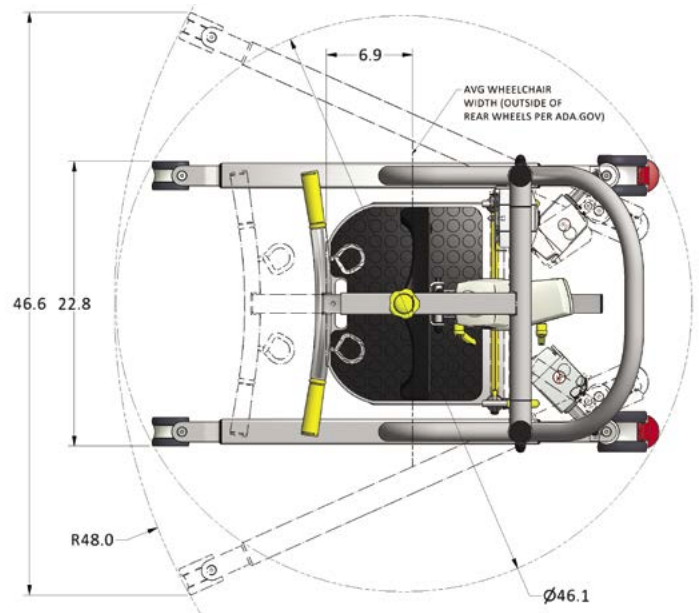
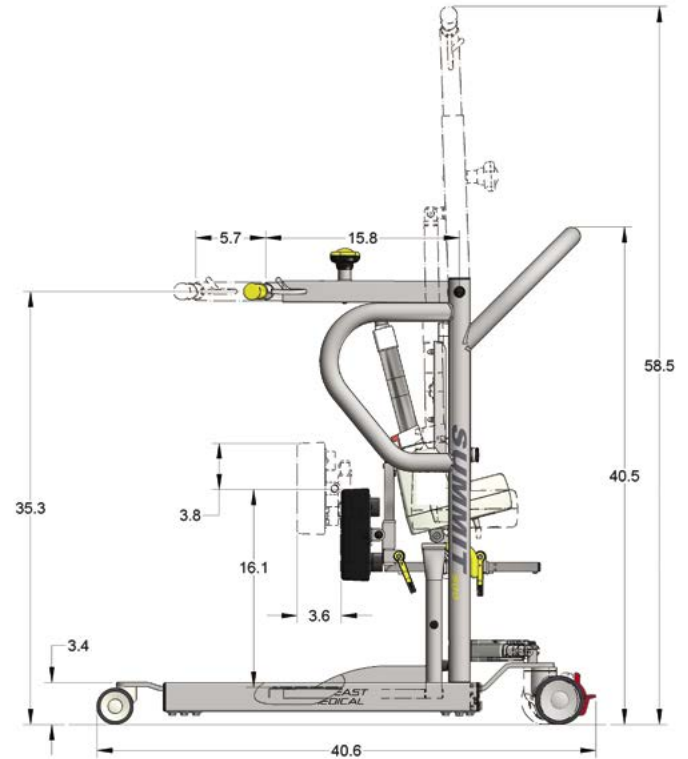


Figure 6

9. **CAUTION:** Ensure patient's arms are OUTSIDE of the SLING prior to lifting.
10. Have the patient hold the yellow handles on the handlebar. This keeps their arms in a SAFE position for transfer.
11. CHECK the patient's body alignment prior to lifting. Ensuring the patient and the lift are in alignment with each other.
12. RAISE the LIFT ARM. Raise the patient to the desired height.
13. DO NOT leave the patient in a position where they are supported solely by the sling.
14. Move the lift to the location of intended transfer.
15. Position patient at intended receiving surface – the back of the patient's legs should touch the receiving surface. Wheels remain unlocked.
16. LOWER the LIFT ARM while ensuring the patient's arc of descent will allow proper seating without shearing action against their sacrum or spine.
17. Once the patient is securely seated (ensure the patient is not seated on the edge of the destination seat!) REMOVE the SLING LOOPS from the sling hooks on the handlebar.
18. Move lift clear of the patient.
19. CLOSE LEGS.
20. REMOVE SLING.
21. BUNDLE SLING and store in desired location.
22. PLUG IN MAINS (plug into a wall outlet) to ensure battery is fully charged for next use.

TECHNICAL SPECIFICATIONS:

PARAMETER	SPEC
• SWL 	500 lbs
• Device Part Number	51750
• 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	124 lbs
• Weight Loose Parts (Footrest)	12 lbs
• Wheel Diameter, Front	3"
• Wheel Diameter, Rear	4"
• Turning Diameter	46.1"
• Leg Under Bed/Stretcher Clearance	3.4"
• Standard Door Width Clearance	23.7"
• Footplate Dimensions	14" x 17" x 14"
• Lifting Speed Unloaded	1 in/s
• Frame	Steel & 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 Summit Powered Sit-to-Stand.



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

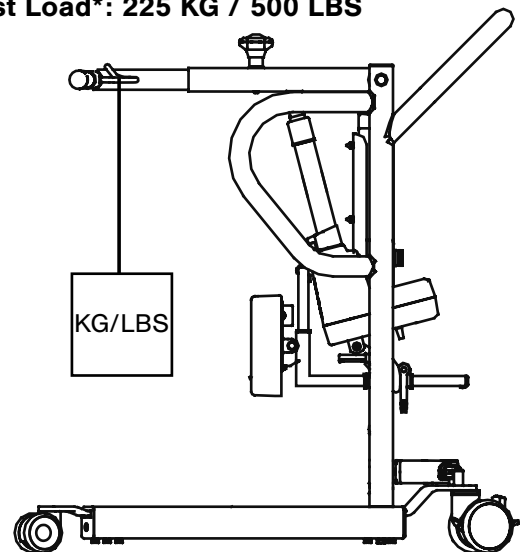
- Replace the battery.

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*: 225 KG / 500 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. 18.
	Red EMO switch is pushed in.	Turn a quarter turn to the right to have switch pop back out.
	Battery is damaged.	Replace battery.
Battery will not charge.	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.
Boom arm moves slowly.	Battery has a low charge.	Charge battery.
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.
Unusual noise from actuator.	Actuator is worn, damaged, or spindle is bent.	Replace actuator. Call for service.

FACTORY ASSISTANCE:

Expected lifetime: 10-12 years

REPLACING 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 Summit Powered Sit-to-Stand.
2. Purchase date, if available.
3. Part number and description of the replacement part needed (see "Replacement Parts" section on page 22 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)

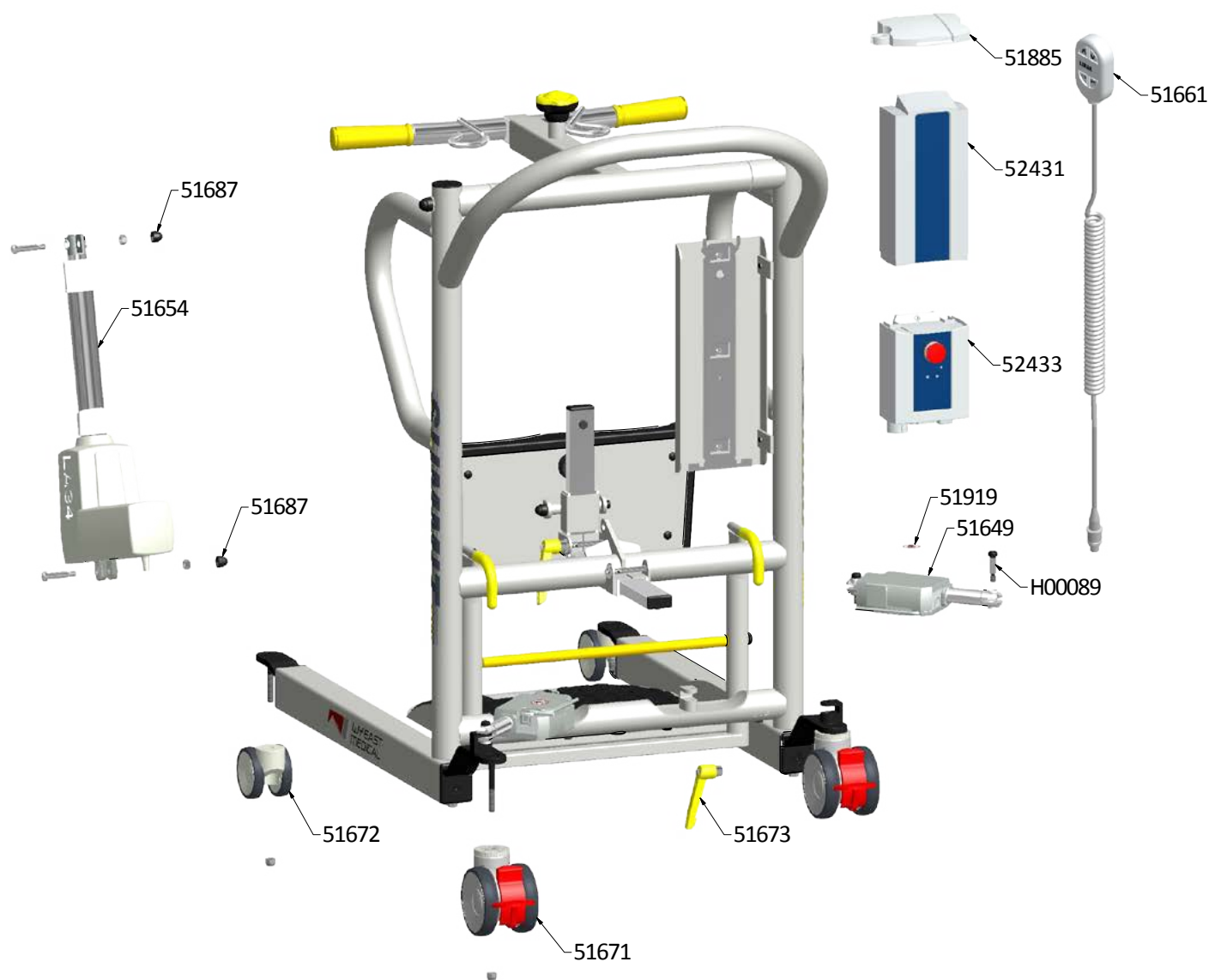
Email: customerservice@weastmed.com

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 Summit Powered Sit-to-Stand. If replacement parts are required, contact WY'EAST MEDICAL with the serial number of your Summit Powered Sit-to-Stand 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

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Clackamas, OR 97015, USA

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

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