



Salsa User Manual

IMPORTANT:

Do not use the SALSA PATIENT LIFTING HOIST without having first read this manual.

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Overview

The **SALSA LIFT 200** mobile standing hoist is designed to assist the less than able person transfer from a seated position to a supported standing position.

The **SALSA LIFT 200** whilst being compact and manoeuvrable has a safe working load (SWL) of 200kg. This lifter is suited to both home and institutional use.

The **SALSA LIFT 200** is an electric operated hoist with ergonomic features designed with the patient and carer in mind.

An HealthCo Ltd standing sling specifically designed for the **SALSA LIFT 200** is available. This sling provides maximum support and comfort for the patient.

The HealthCo Ltd range of patient lifting equipment, including lifters, slings and accessories, has been designed and tested to comply with AS ISO 10535 – 2011, (Hoists for the transfer of disabled persons – Requirements and test methods)

IMPORTANT SAFETY CONSIDERATIONS

INTENDED USE OF THE PRODUCT

The **SALSA LIFT 200** compact mobile patient standing / transfer hoist has been designed to lift and transfer a less able person with the assistance of the carer/

The **SALSA LIFT 200** should be used with one of the **HealthCo Ltd** range of patient slings, as assessed by a competent trained person.

*NB. Not all slings and accessories are compatible with this hoist. If you are unsure please contact **HealthCo Ltd**.*

The correct and appropriate use of the **SALSA LIFT 200** hoist will reduce the risks associated with manual patient handling. The lifting / transferring task should be assessed & planned by a trained user.

SAFETY CONSIDERATIONS

- ✓ Ensure that all users read this guide before operating the hoist.
- ✓ Do not operate the hoist without training in the safe operation of hoists & slings. **IF IN DOUBT DO NOT USE.**
- ✓ Only use slings which have been assessed as suitable by a competent trained professional.
- ✓ Read the relevant sling users guide which is provided with each sling, before use.
- ✓ Do not use the hoist if there is any doubt about wear or damage to the unit. In particular the spreader bar or the Pivot Frame.
- ✓ Do not use the hoist if there is any fraying or stitch damage to the sling or if the sling is damaged in any other way.
- ✓ **DO NOT EXCEED THE SAFE WORKING LOAD OF THE SALSA LIFT 200 HOIST – 200kg**
- ✓ Ensure when the hoist is in use that the surrounding area is clear and the person being lifted is clear of all obstructing objects.

*The **SALSA LIFT 200** standing / transfer hoist is not designed or intended to use with **NON WEIGHT BEARING** patients.*

Push Handle

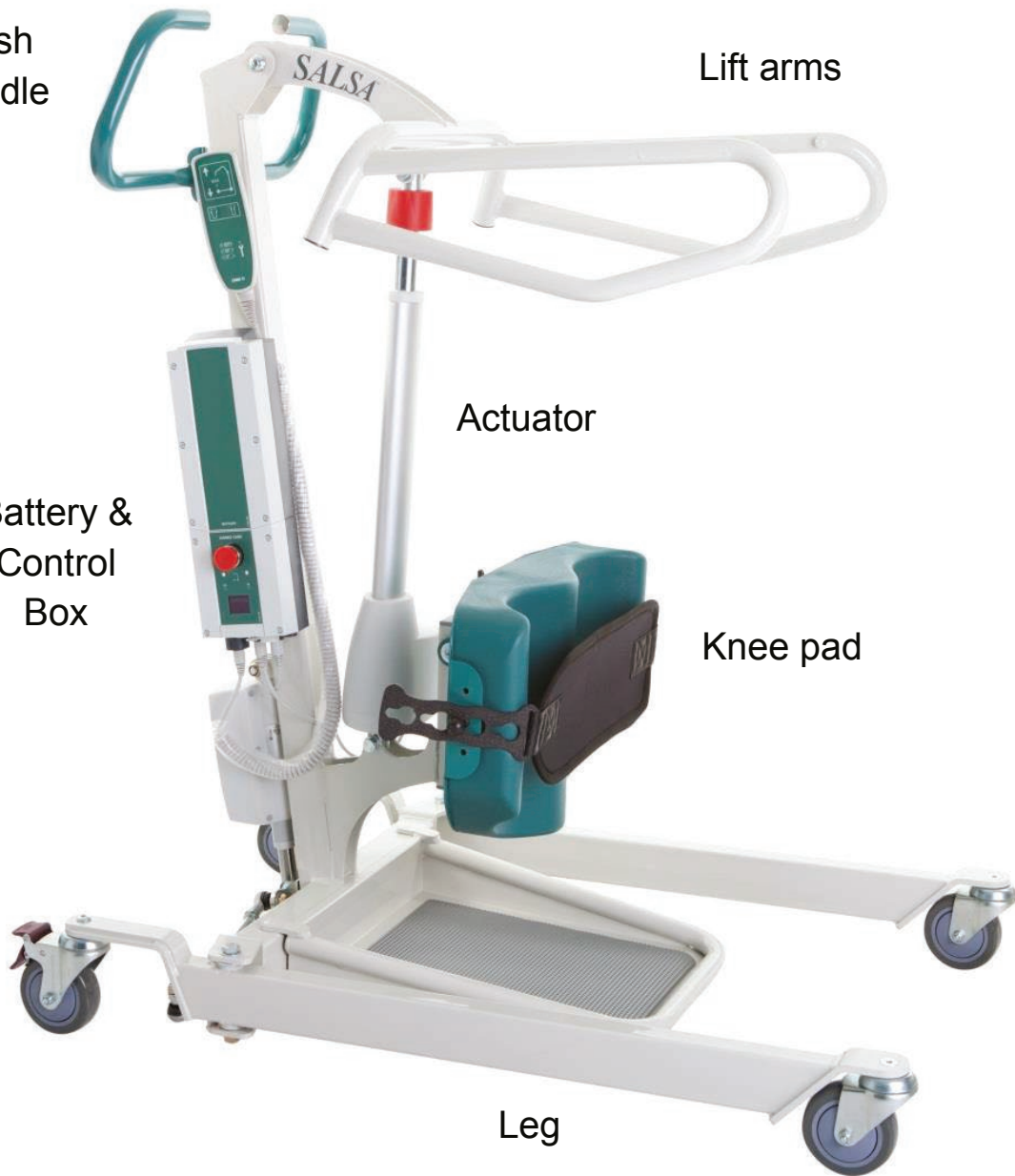
Lift arms

Actuator

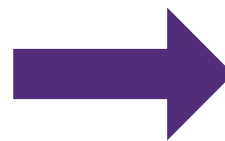
Battery & Control Box

Knee pad

Leg



Direction of Travel



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ASSEMBLY INSTRUCTIONS *SALSA LIFT 200*

The entire range of patient lifting and transfer hoists are fully assembled, load tested and certified at the factory before being partially dismantled for packing and shipping.

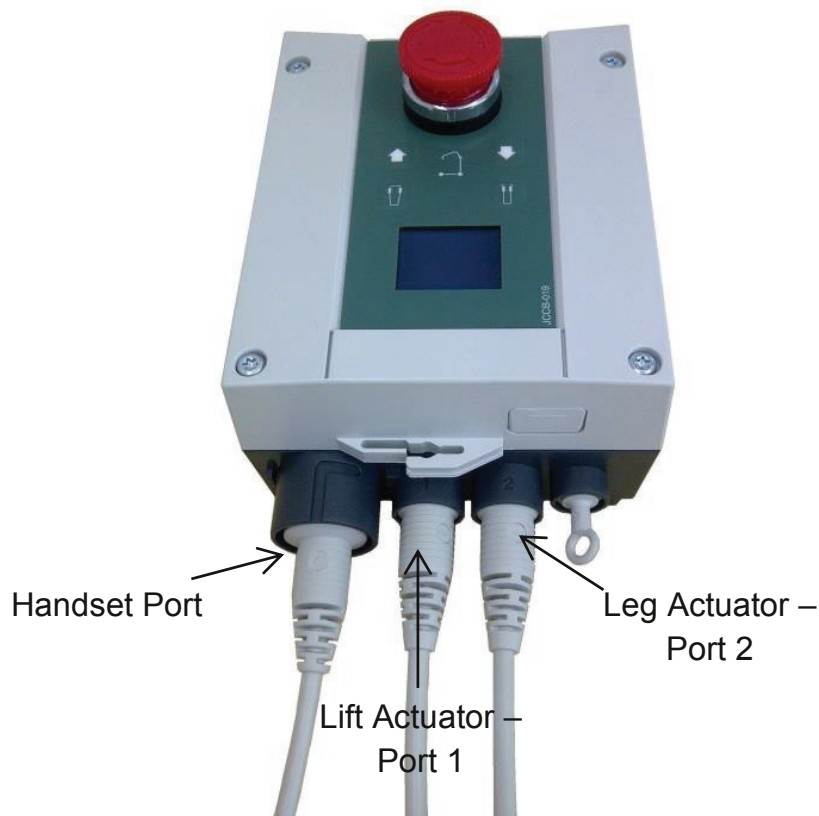
Use the instructions below as a guide to assemble your *SALSA LIFT 200* hoist.

1. Remove lifter components from protective packing and lay out on a smooth surface to prevent damage to powder coating on lifter sub assemblies.
2. Remove mast / leg chassis weldment and slide one leg into receiver clevis. Align bolt holes, push bolt through clevis and leg bush. Thread nylock nut onto bolt on the underside of leg and tighten. Ensure thread engages nylon locking ring of nut.
3. Repeat process 2 for the second leg.
4. Attach leg adjuster tie rods to each leg. Ensure the leg actuator shaft is right down and legs are in the closed position and tighten the nylock nuts on tie rods.
5. Attach lift actuator to lifting arm assembly by aligning actuator clevis with actuator mounting bracket. Insert bolt and tighten nylock nut.
6. Attach control box to mount plate with M5 hex bolt. Then attach clip on battery pack.
7. Plug the lift actuator cable into port 1 positioned on the underside of the control box, ensuring it is driven firmly home in the socket.
8. Your ***SALSA LIFT 200*** hoist uses an electric leg adjustment; plug the leg actuator lead into port 2 on the underside of the control box.
9. Plug the handset lead into the large socket on underside of control box. (diagram 2) ensure alignment of tongue on handset plug with groove in control box handset connection port. When aligned press home firmly. A smear of Vaseline on the o ring may assist if plug is tight.
10. Check operation of lifter via handset, ensuring that the RED EMERGENCY STOP BUTTON ON THE CONTROL BOX IS RELEASED. Turn the knob quarter turn clockwise to release.

HOIST OPERATION AND CHARGING

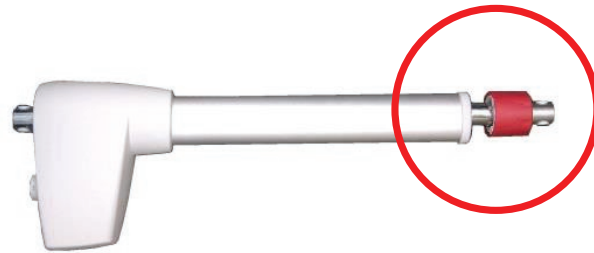
HANDSET

- ✓ The handset activates the lift actuator by the use of two low pressure buttons, protected by a strong plastic cover. These are symbolised by arrows (diagram). The arrows indicate the direction of travel to raise or lower the hoist jib. When either button is released the jib will remain in position.
- ✓ The **SALSA LIFT 200** hoist incorporates an actuator driven leg opening adjustment. Two buttons will be seen on the handset with arrows and symbolised legs indicating the direction of travel. This function allows an unrestricted range of leg adjustment.
- ✓ The handset is also fitted with a battery indicator light. This will flash when the batteries reach a maximum discharge of 18 volts. NB the light will only flash when the hoist is under load.
- ✓ The connection for the handset is located on the underside of the control box.



ACTUATOR

The **SALSA LIFT 200** mobile patient lifting hoist uses a LINAK single speed actuator with an emergency controlled lowering release handle. (Twist red collar located at top of actuator shaft clockwise). This allows the patient to be lowered in the event of a fault in the hoist or deep discharged batteries.



CHARGING

The **SALSA LIFT 200** is supplied with a LINAK external wall mount charger. This is powered by plugging the 3 pin plug into a standard 240V ac outlet

To recharge the battery pack, perform the following steps

- 1) Release battery pack from control box by pulling the handle on the pack towards you. Use both hands to support the battery pack when removing nor replacing it.
- 2) Clip the battery pack from the control box onto the charging unit, ensuring it is seated properly on the charger base
- 3) Charger will automatically activate the charging sequence

CHARGING INDICATOR DISPLAY

- ✓ GREEN mains power on light will be illuminated when connected to 240 v power supply.
- ✓ ORANGE LIGHT illuminated indicates battery currently charging.
- ✓ ORANGE LIGHT will extinguish when battery pack is fully charged.

SALSA LIFT 200 External Charging Unit



CHARGING DOs & DON'Ts

DO

Do charge the battery whenever possible. This will extend the battery life. A large number of cycles can be obtained from operating on the batteries, but battery lifetime is reduced with frequent discharging.

- ✓ Do inspect all cables particularly the mains power cable on the charger for any damage; replace where necessary.
- ✓ Do stow the handset and if fitted with charger, the mains power cable when transporting the hoist.
- ✓ Do clean the actuators, control box, charger, battery and handset at regular intervals to remove dust and dirt.

DON'T

- ✓ Don't allow the batteries to fully discharge before connecting to charger. The batteries are a lead acid gel type that can be trickle charged continuously and have a high current discharge capacity. The batteries are not the nickel cadmium type and must not be periodically fully discharged. Battery life is greatly reduced by deep or complete discharging of the batteries. Longer lifetime is obtained by maintaining fully charged batteries.

LIFTING PROCEDURES

- ✓ Carer should be fully conversant & trained in the use of lifter & sling. This will decrease patient apprehension & increase their co-operation and overall safety of the lifting process.
- ✓ If possible, always pull the lifter for max safety and comfort.
- ✓ Move the hoist slowly to avoid patient swing whilst standing.
- ✓ The hoist should not be used on uneven surfaces or on an incline greater than 5 deg.
- ✓ Never leave a patient in a sling unattended.
- ✓ Ensure brakes of the chair, bed, trolley that the patient is being lifted from are locked.
- ✓ The braking castors on the lifter should be off. This allows the lifter to create its own centre of gravity (C.G,) over the weight of the patient. N.B. This action may result in the lifter moving slightly during the initial phase of the lift.

GENERAL LIFTING PROCEDURE

The information supplied below is not intended to be construed as a training manual but as a general guide to lifting procedure only.

- ✓ The **SALSA LIFT 200** hoist utilises a special type of padded sling designed to fit around the patients lower back. It utilises a restraint belt to help prevent the sling from slipping or riding up the patients back. The restraint belt is adjustable and fastens with either a buckle or velcro flap around the chest area.
- ✓ Key hole buckles on the sling clip onto the studs located on both lift arms of the hoist
- ✓ For detailed sling fitting instructions refer to the **HealthCo** “*Comfort standing sling user manual*”
 - NB This sling should only be used with the SALSA LIFT 200 hoist and may not be compatible with other patient hoists.**
- ✓ Manoeuvre the hoist around the patient, adjusting the legs to fit around chair, wheel chair etc. If lifting from a bed ensure under bed clearance is sufficient to manoeuvre the lifter legs.
- ✓ Lower the Salsa lift arms bar sufficiently to allow fitting of keyhole buckles to the studs on the lift arm. Ensure lift arms does not contact with patients face or body.

- ✓ Place keyhole buckles on the correct stud on each lift arm and pull firmly to engage and lock. A slight resistance should be felt as the buckle moves into the lock position.
- ✓ Use the handset to raise the hoist boom enough to take up the patient's weight. At this point stop the lift, check all sling attachments are secure and that the sling is positioned correctly. Check patient comfort. Lower and realign sling if necessary.

GENERAL MAINTENANCE

To prolong the working life of the lifter and for trouble free operation it is recommended that periodic inspections should be performed routinely and as often as necessary. Periodic inspections should be performed by a person who is suitably qualified and well acquainted with the design, use and care of patient lifting hoists.

If inspection reveals that the safety of the hoist is jeopardised in any way the hoist should be *IMMEDIATELY WITHDRAWN FROM SERVICE*, tagged as such and the owner notified.

MAINTENANCE GUIDE & CHECK LIST

- ✓ General visual inspection of lifter.
- ✓ Check castors are tightly attached to legs.
- ✓ Check castors run & swivel freely, remove any hair & fluff from axle.
- ✓ Check castor brakes operate efficiently.
- ✓ Over haul castors & pack with grease.
- ✓ Inspect surfaces for scratches & chips
- ✓ Clean surfacers with a neutral detergent; remove any adhesive tape with orange or eucalyptus oil.
- ✓ Examine all moving parts and fasteners for wear and fatigue, lubricate and /or adjust as required.
- ✓ NB leg pivot bushes incorporate a Teflon coated pivot bush which requires minimal lubrication.
- ✓ Check tightness of bolt in leg bushes.
- ✓ Check linkages are secure in leg adjuster ball joints.
- ✓ Check all electrical components for correct operation.
- ✓ Check battery charger operation.
- ✓ Remove dirt & dust from actuator.
- ✓ Wipe actuator shaft with oiled rag (DO NOT use WD40 or equivalent.)
- ✓ Check SPACE LINK pivot link and regrease.
- ✓ Check spreader bar/tilt frame attachment to SPACE LINK. Remove bolt & regrease. Ensure SPACE LINK and attachments move freely.
- ✓ Check mast to boom pivot point, remove bolts and lightly regrease bush and retighten, ensuring free movement at pivot.

A MAJOR SERVICE SHOULD BE CARRIED OUT EVERY 12 MONTHS AS A MINIMUM REQUIREMENT.

IMPORTANT: An annual load test to the safe working load (swl) is required for compliance with AS ISO 10535 – 2011

TROUBLE SHOOTING

WARNING TROUBLE SHOOTING SHOULD ONLY BE CARRIED OUT BY HEALTHCO LTD AUTHORISED PERSONNEL FAMILIAR WITH BOTH USE, ELECTRICAL AND MECHANICAL FEATURES OF PATIENT LIFTING HOISTS.

The following is a guideline only to general trouble shooting.

Before carrying out any trouble shooting ensure that.

- ✓ Red emergency stop button is released.
- ✓ Maintenance procedures checked & followed.
- ✓ All cable connections are secure.
- ✓ Battery is fully charged.

	POSSIBLE FAULT	ACTION
Warning buzzer sounds within control box	Flat battery pack. Faulty battery pack.	Recharge battery. Replace battery.
Battery charger power indicator LED does not light up.	No mains connection. Internal fuse blown. Battery charger is defective.	Plug into mains. Replace fuse. Repair/replace charger.
Actuator will not run and no relay click is heard from control box.	Control box is defective. Handset defective	Replace control box.
Actuator will not run via handset but control box relays click.	Actuator plug not pushed in to control box, Actuator defective. Control box defective.	Push firmly into correct port. Replace actuator or control.
Actuator cannot lift full load or runs slow.	Batteries not charged / defective. Load too high for lifter. Actuator motor damaged.	Charge/replace batteries. Replace actuator.
No response from control box, no clicking of relays is heard.	Emergency stop button engaged. Hoist battery completely flat. Blown fuse in battery pack. Faulty control box.	Release emergency stop button. Charge battery. Replace/repair control box.
Actuator works in one direction only	Handset defective. Control box defective.	Replace handset. Repair/replace control box.

SALSA LIFT 200 SPECIFICATIONS

Safe working load (SWL)	200kg
Base length	1050mm
External base width	655mm
Internal base width closed	585mm
Internal base width open	1035mm
Base width adjustment	Electric Adjustment
Base height / under bed clearance	125mm
Minimum height of lift arm	825mm
Maximum height of lift arm	1670mm
Lifter weight	48kg
Minimum storage height	1200mm
Footplate	Removable
Handle height	1000mm
Electrical approval	EN 60601-1
Sound level	< 40Db @ 1m
Electrical approval	EN 60601-1
Operation force - Finger	< 4N
Hand	< 50N

WARRANTY

HealthCo Ltd warrants its products to be free from defects in materials and workmanship under normal use and service and will within the period stated below, from the date of purchase, repair or replace without cost to the original customer, any part assembly or portion thereof which shall be returned to **HealthCo Ltd** and from OUR inspection shows to be defective.

- ✓ Patient lifter including electronics 2 years
- ✓ Accessories on lifter 2 years
- ✓ Patient slings 1 year
- ✓ Weighing devices 1 year
- ✓ Batteries 3 months

HealthCo Ltd cannot be held responsible for any personal injury, damage to the hoist or damage to property as a result of the improper or unsafe use of the product.

No warranty claim shall apply where the product or any part thereof has been modified, varied, altered or damaged either accidentally or through improper or negligent use

No warranty claim shall apply where the hoist is repaired or serviced by any persons not accredited by the authorised distributor.

Warranty does not extend to items or components which may require replacement due to normal wear and tear (e.g. castors, mouldings and paint work) for which **HealthCo Ltd** nor its distributors can be held responsible.

BATTERIES

Batteries carry a limited warranty from the original manufacturer which is subject to a stringent wear and tear clause. Any battery faults due to defect in original manufacture will normally become apparent within the first two months of use.

Any gradual deterioration in performance after this period is normally associated with fair wear and tear, misuse and accidental damage, and as such is not covered by the manufacturer's warranty.

SLING MAINTENANCE AND CARE

WARNING: Prior to use, inspect slings including webbing, straps and key hole buckles for wear. Examine stitching for fraying, breakage and unravelling.

DAMAGED SLINGS SHOULD NOT BE USED.

PARTS LIST AND DESCRIPTION

A full parts list is available on request

LOG BOOK

Service Type	Condition Report
Date:	
Inspected by:	
Signature:	
Action taken:	Date:

Service Type	Condition Report
Date:	
Inspected by:	
Signature:	
Action taken:	Date:

Service Type	Condition Report
Date:	
Inspected by:	
Signature:	
Action taken:	Date:

Service Type	Condition Report
Date:	
Inspected by:	
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Service Type	Condition Report
Date:	
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