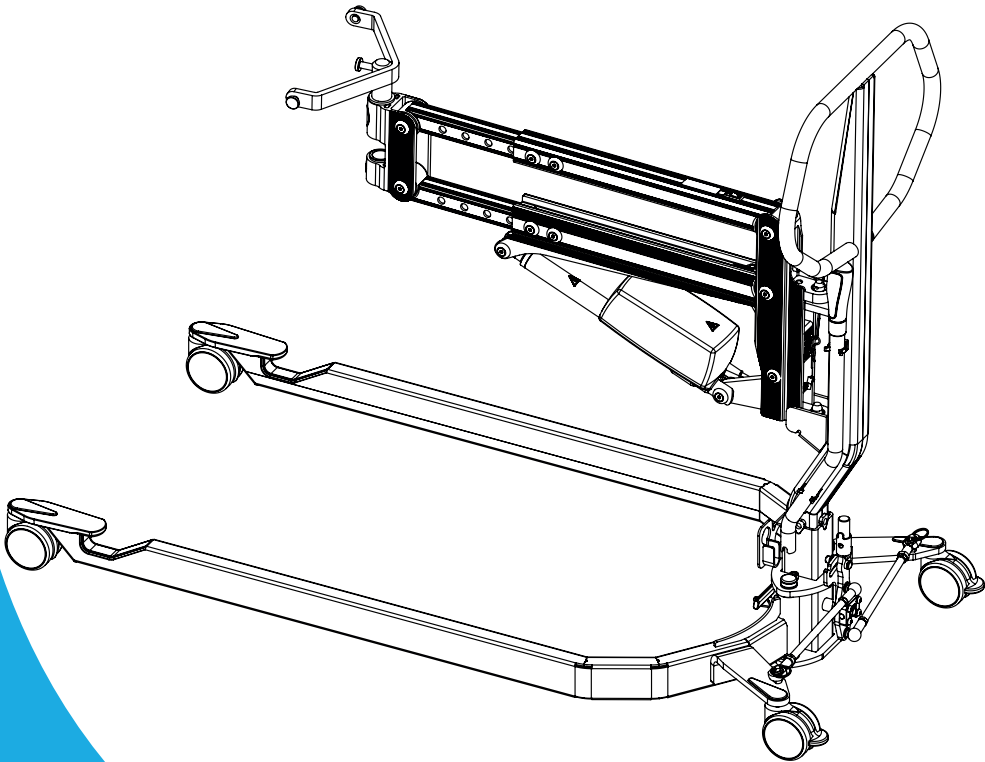


Smart Transfer



User Instructions

T-SB

Smart Lifter T-SB

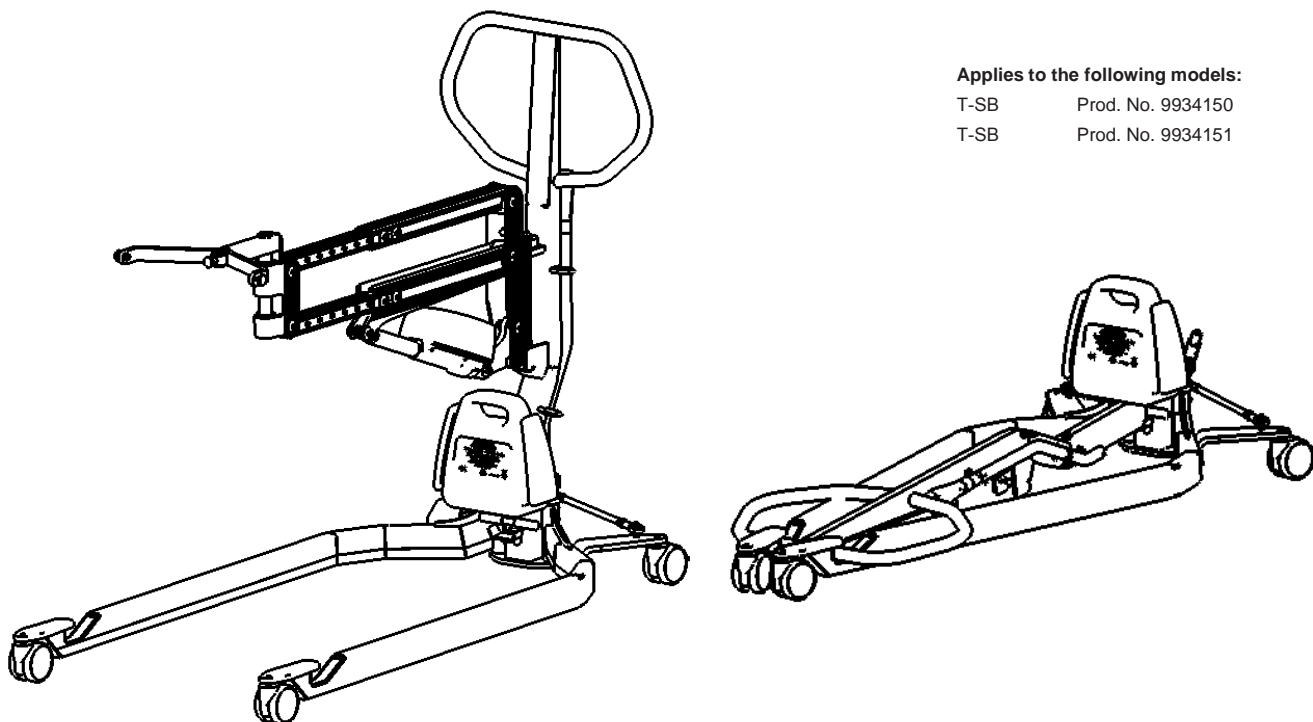
Instruction Guide

English
1234150 Rev C

Applies to the following models:

T-SB Prod. No. 9934150

T-SB Prod. No. 9934151



Product Description

T-SB is a versatile mobile lift that is designed so that it can be quickly and easily folded up and stored when not in use and for ease of transport.

T-SB is only intended for use in conjunction with the T-MPL.

T-SB is intended for use in the most common lifting situations, e.g., for transfers from one seated position to another.

To facilitate this, T-SB features include electric raising and lowering as well as mechanical hand-operated- base-width adjustment.

T-SB is a mobile lift that is light, foldable and portable. It is intended for use with the T-MPL only.

An individually tested and correctly adjusted sling and other accessories are essential for proper function and safety in connection with use of the lift.

T-SB is made of shaped steel sections and great care has been taken to eliminate excess weight. Total weight with battery is 28 kg (62 lbs.).

T-SB can be disassembled in four pieces; handle, operating handle, base unit and electrical unit. No part weighs more than 18 kg (40 lbs.).

This unit can be disassembled further *only by an appropriately qualified and competent person*, removing the legs from the leg pivot assembly.

△ T-SB is CE-certified and approved for a maximum load of 150 kg (330 lbs.).

The maximum load will vary depending on the T-MPL set up. Please refer to the T-MPL instructions for specific load limits for your set up.

△ “Caution!” triangles are used to warn of situations that demand extra care and attention.



IMPORTANT!

Carefully read instructions for the T-SB and T-MPL before use. Lifting and transferring a person always presents a potential risk. A thorough understanding of the contents of this instruction guide is essential. If using for the first time, try without an occupant until confident in the safe operation of the T-SB. If you have questions, please contact Autochair Ltd or representative.

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Safety instructions

Before using the lift, make certain that:


- the lift is assembled according to the instructions
- lifting equipment is properly mounted on the lift
- the batteries have been charged for at least 6 hours
- all manuals have been carefully studied and fully understood
- persons using the equipment have received appropriate instructions and training
- that in each individual lifting situation you have the correct type, size, material, and design of slings and accessories to safely meet the patient's need.

Before lifting, always make certain that:

- the lifting accessories are not damaged
- the lifting accessory is correctly and securely applied to the patient, so that there is no risk of injury
- the lifting accessory is correctly applied to the lifting equipment
- the key hole plates are correctly attached to the spreader bar. This should be checked when beginning to lift the patient - when the sling straps are *taut*, but before the patient is lifted from the underlying surface.

 **Never leave a patient unattended in a lifting situation!**

 **The T-SB is intended for indoor use only!**

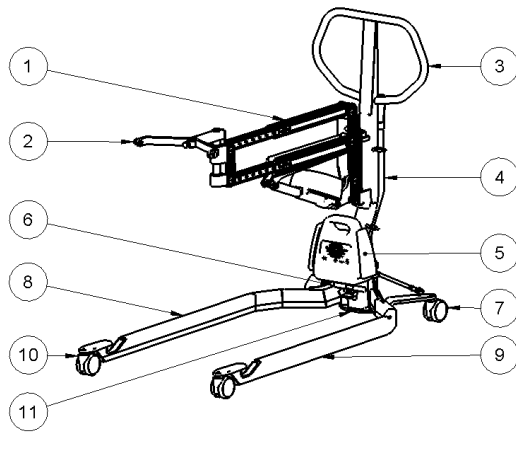
 **The T-SB is NOT intended to be used for direct transfer to a vehicle, the T-MPL must be installed in the vehicle for vehicle transfers!**



Max. load: 150 kg (330 lbs.)

The load capacity reduces if the T-MPL unit length has been increased. Please refer to the T-MPL instructions to check the maximum lift capacity for your specific T-MPL settings.

Definitions



1. T-MPL & Controls
2. Spreader Bar
3. Handle
4. Leg Operating Handle
5. Power Pack & Charger
6. Handle Catch
7. Rear locking Castor
8. Right Leg
9. Left Leg
10. Front Castor
11. Leg Pivot Assembly
12. Sling

Technical data

Lifting Speed: Approx. 40 seconds full lift cycle (loaded)

Batteries: 1 pcs. 12V 8Ah sealed lead-acid, maintenance free, spill-proof, rechargeable battery

Battery Charger: Wall-socket type, Input – 100-240VAC, 50-60Hz, 0.3A. Output – 12VDC 1A.

Motor (T-MPL): 12V 15A max. linear actuator, push only with safety nut.

Castors: Front: 75mm twin, swivel.
Rear: 75mm twin, swivel, with brake.




Weight: Base: 17.5kg (38.5lbs.)
Lift Mast: 7.5kg (16.5lbs)
Control Unit incl. Power Pack and hand control: 3kg (6.6lbs)

Material: Steel

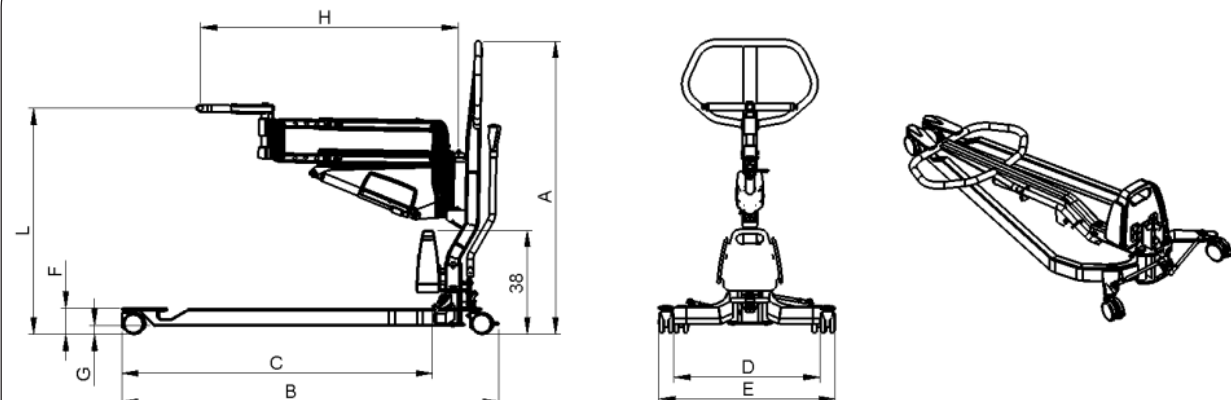
Emergency Lowering: Alternative electrical control

Intermittent operation: Int. Op. 10/90, active operation 2min. every 18min.

Degree of Protection: IP42

-  Built for indoor operation
-  Type B, according to the degree of protection against electrical shock.
-  Class II equipment.

Measurements



T-SB measurements

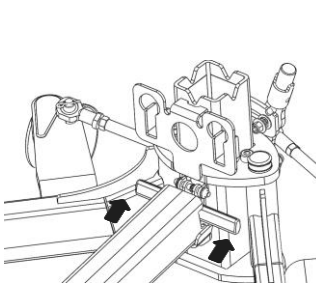
T-MPL Setting	Lift L		A	B	C	D	E	F	G	H		Weight (Excludes T-MPL) Kg (lb)	Turning Diameter
	Max	Min								Max	Min		
Retracted	121 (48)	82 (32)	107 (42)	137 (54)	113 (44)	53-95 (21-37)	64-102 (25-40)	9.5 (4)	30 (1)	82 (32)	60 (24)	28 (62)	138-144 (54-57)
Extended	141 (56)	82 (32)	107 (42)	137 (54)	113 (44)	53-95 (21-37)	64-102 (25-40)	9.5 (4)	30 (1)	106 (42)	72 (28)	28 (62)	138-144 (54-57)

Metric = cm
(Imperial = inches)

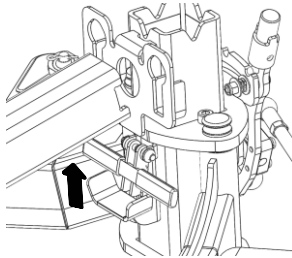
Assembly instructions

Before assembling, make sure you have the following parts:

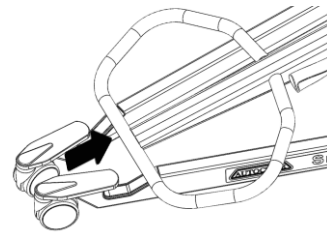
- T-MPL
- Hand control with cable
- Leg & Pivot Assembly
- Spreader Bar
- Power Pack (Charged)
- Main Handle
- Leg Operating Handle
- Charger



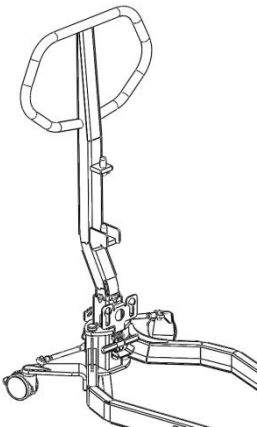
1. Release the Handle Catch



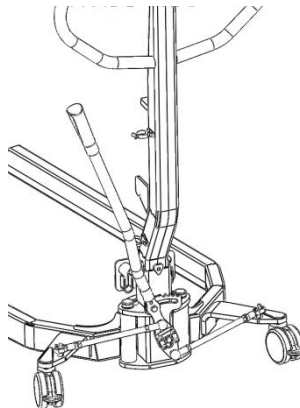
2. Lift the back of the Handle from the cradle.



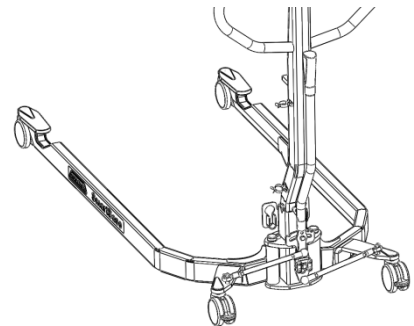
3. Slide the Handle out from the legs and lift.



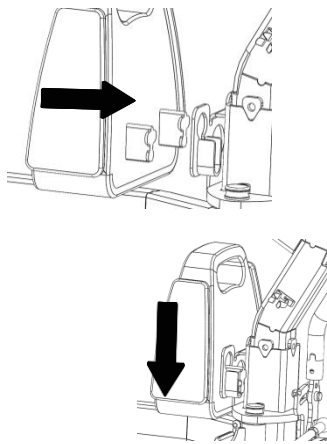
4. Fit the handle into the Pivot Assembly as in the diagram above



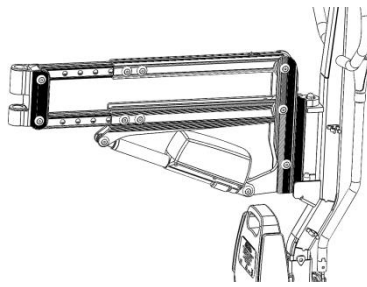
5. Fit the leg operating handle into the Pivot Assembly as in the diagram above.



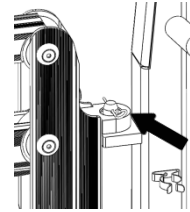
6. Pull the handle toward you and move the legs to the centre position (The handle will be in line with the post). When the handle is released it will spring back into a locking hole. The legs will now be parallel, this is the narrowest position which can be used to carry a person.



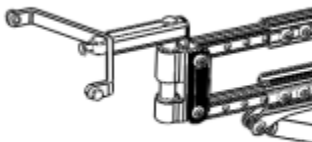
7. Fit the Power Pack



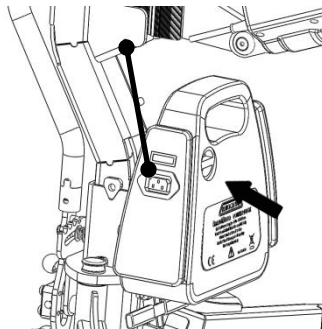
8. Fit the T-MPL. Rest on lower pin first then align top pin and lower. Ensure both pins are fully engaged.



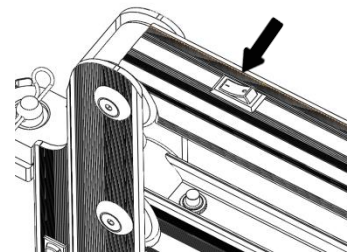
9. Fit the R-Clip into the top pin.



10. Fit the Spreader Bar. Securely fitting the anti-rotation plate into the T-MPL. Check the spreader bar then cannot rotate.



11. Plug the T-MPL into the PowerPack and switch on. Note that the fuse is located above the socket on the PowerPack



12. Switch on the T-MPL. (Refer to T-MPL instructions)

After assembling, check to make sure that:

- the spreader bar and T-MPL are seated correctly.
- the lifting motion coincides with the indicators on the hand control (up/down)
- the Leg Operating Handle moves the legs in and out.
- the emergency lowering device functions properly (mechanical and electrical)
- the wheel brakes function correctly
- the LED lamp on the charger lights when on.

User's guide

Operation

Operate T-SB using the pushbuttons on the T-MPL hand control.

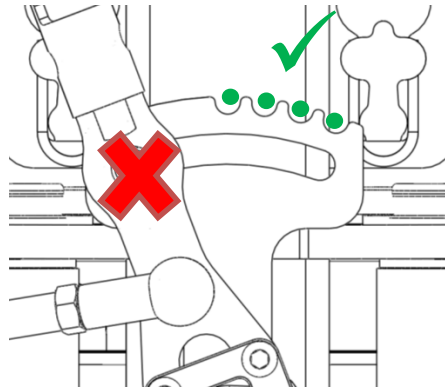
For raising and lowering the Spreaderbar:

Press up and down respectively.

Directional arrows on each button show the direction of movement (up/down). The lift stops when you release the buttons.

Base-width adjustment

Base-width adjustment is done manually with the Leg Operating Handle. Push to the right side to widen the base and the left side to make it narrower. **Only use the four positions to the right for the Leg Operating Handle when the T-SB is occupied, the hoist may become unstable.**



Electrical Emergency Lowering

The lift arm can be lowered electrically by pressing the switch marked “down” on the emergency controls.

△ Refer to the T-MPL instructions!

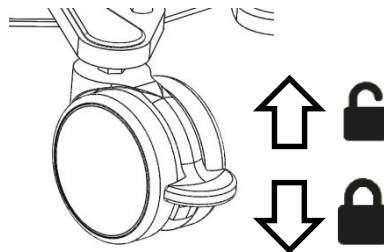
Emergency stop

For emergency stop: Switch the main switch off on the T-MPL.

To release/reset: Change the switch back to the on position.

Locking the wheels

To lock wheels step on the small pedal on the back of the wheel. The wheel locks for lateral movement. In most lifting situations, the wheels need not be locked. We recommend that the wheels be locked only when there is a risk of personal injury in the event that the lift begins to roll, e.g. when using on a slight gradient. To release wheel brake, lift the pedal or press the extended block above the pedal.



△ Locked wheels during lifting increases the risk of the lift tilting over.

△ Never pull the lift by the T-MPL! This may result in damage to the lift, tipping of the lift and possible injury.

Charging the batteries

Battery capacity

The battery is capable of more than 30 lifts on a full charge depending on the load. The Lift speed will start slowing down when it is running low on charge.

There is a pushbutton on the front of the Power Pack. Press this to check the charge level; it should illuminate green to indicate a full charge level. The unit requires a full charge when the indicator illuminates red.

When charging from the mains socket the battery level light will illuminate red.

A full charge will take 24 hours.

Never charge for more than 36 hours.

Always switch the unit off when not in use.

For maximum battery life, batteries must be charged regularly. We recommend charging every night after using the lift. The battery charges fully in 24 hours but a top-up charge overnight should be sufficient.

It is recommended to charge the unit in an upright position.

NOTE! A red indicator lamp on the control box lights constantly during charging.

If the charge level indicator will not turn green after a full charge the battery will need replacing. Discontinue charging and replace battery.

Never charge batteries in a wet area!



Old batteries are to be given to authorized Autochair personnel, or disposed of at the nearest recycling station.

Disassembly and transport

The dismantling of the T-SB is principally the reverse of the assembly procedure. The slight differences are described here.

Before starting ensure the T-MPL is fully lowered.

Switch the T-MPL off.

Switch the Power Pack off.

Disconnect the T-MPL power cable.

Remove the Power Pack.

Remove the Spreader Bar, the R-Clip and T-MPL and pack using the bag provided.

Move the legs to the closed position by moving the Leg Operating Handle fully to the left.

Remove the Leg Operating Handle and stow on the main Handle using the clips provided.

Lift the Handle assembly from the Base and position the handle into the cut-outs in the legs. The mounting pins should be face down. Slide the Handle forward then position the back into the stow cradle. Ensure the latch engages and the Handle is locked in position.

The Handle can now be used to lift the front and wheel the unit along on the back castors.



Simple troubleshooting

The lift does not work (up/down)



1. Check that the emergency switch is not in the off position.
2. Check that the cables to the hand-control are connected correctly.
3. Check the battery charge level (see display on control box).
4. Check the battery is connected to the T-MPL.
5. Check the emergency control switch operates the lift.
6. *If the lift still does not work satisfactorily, contact Autochair.*
7. Check the fuse in the side of the battery.

Battery charging does not work



1. Check that the charger is plugged into the wall socket and switched on.
2. Check that the battery charger jack is correctly fitted in the Power Pack.
3. *If the charger still does not work satisfactorily contact Autochair.*

The lift stops in the elevated position



1. Check that the emergency switch is not in the off position.
2. Check the hand control has not been disconnected.
3. Use the emergency control switch.
4. Check that the battery is charged.
5. *If the lift still does not work satisfactorily contact Autochair.*

If you hear unusual sounds



Contact Autochair.

Care and Maintenance

For safe and trouble-free operation, a few routine procedures should be performed every day the lift is used.

- Visually inspect the lift and check for external damage or wear.
- Check that the condition of the sling paying particular attention to the straps and connectors.
- Check the hand control and the lift movements.
- Check the emergency lowering function.
- Charge the battery every day the lift is used, and check charger function.
- Check the wheels and brakes.

When necessary, clean the lift with warm water using a damp cloth.

NOTE!

Do not use chemicals containing phenol or chlorine, since this may damage the coated finish.

Do not immerse in water.

Storage

During transportation, or when the lift is not to be used for some time, the Power Pack should be switched off. Store the T-SB at a temperature exceeding freezing point and at normal relative humidity.

Inspection

The lift must be thoroughly inspected at least once per year. Pay particular attention to parts that show wear, for example, joints, bolts, etc.

Service must be carried out according by Autochair authorised personnel.

IMPORTANT!

Repairs and maintenance may only be carried out by authorized Autochair service personnel using Autochair parts.

Your Dealers Details:

0800 009 2326



service@autochair.co.uk



www.autochair.co.uk

