

USER MANUAL

TSL500

ED00599E



Terry Lifts

◆ THE ONE TO TRUST ◆



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INTRODUCTION



Thank you for choosing the TSL500 lift, designed and manufactured in the U.K. using the latest technology by Terry Group Ltd.

We want you to get the most out of your TSL500 lift and to help in this aim we have produced this booklet on operation and maintenance of the equipment, which we hope you will find helpful.

It is hoped that any queries you may have during day to day operation will be answered in this manual, but if you do have any problems, technical assistance is only a phone call away.

We hope our product gives you many years of reliable service.

A handwritten signature in blue ink, appearing to read 'Dave Allen', with a stylized flourish at the end.

Dave Allen
Managing Director

ABOUT THE TSL500 LIFT

The Terry TSL500 Lift is designed to transport a single person in a wheelchair between two floor levels up to 0.5 metre apart. To provide the lifting force the lift uses a hydraulic cylinder under the platform, fed via a hose from a pump unit mounted under the power pack cover on the platform. Principal features of the design are its low closed height and silent smooth operation. The low closed height eliminates the need for a pit.

It is most important that before operating the lift you read these instructions fully and are familiar with the controls and operating procedure.

Our policy is one of continuous product development and the Company reserves the right to change specification without notice.

If a change of use of the lift is required, this should be discussed with the manufacturer/supplier as certain alterations may be needed.

Examples of changes of use are:

- a) change of type, size and/or weight of wheelchair
- b) change of user disability
- c) change of user
- d) removal of the lift and re-installation at another site
- e) change of duty cycle

All changes of use should entail a review of the installation.

GENERAL DO'S AND DONT'S

Below are the key safety measures for lift operation to ensure safe usage and prevent potential hazards.

- **Always** leave the power supply to the lift switched on, even when you go away. The lift control circuits are fed by a battery, which must be kept constantly charging.
- **Never** allow children to play on or around the lift.
- **Ensure** that the area around the lift is kept clear from debris (e.g. litter and leaves).
- **Do not** exceed the maximum lifting capacity of 39 stone (250 kg).
- **Do be aware** that some of the systems on the lift generate varying magnetic fields. Users who have pacemakers are advised to seek expert guidance to ensure there is no risk in using the lift.
- **Always** treat your lift with respect that should be shown to electrical and mechanical equipment.



Warning: As recommended by the Medicines and Healthcare products Regulatory Agency (MHRA), great care should be exercised whilst manoeuvring on and off the platform ramp, to avoid the risk of tipping over rearwards. Information can be found at www.mhra.gov.uk.

CONTROLS AND OPERATION

Control stations are provided on the platform power pack, the ramp side panel, and at the upper and/or lower levels depending on requirements.

All controls are of the 'hold to run' type. Maintain pressure on the switch until the lift reaches the upper or lower level. To travel in the opposite direction, release the switch, wait 2 seconds and press again.

A master switch, which 'locks' all controls to prevent unauthorised use is fitted to the charger box.

If the lift has been supplied with a remote control lift enabler unit the lift will remain disabled until key fob is pressed. Pressing the key fob will allow the lift to be operated by the up/down control in the normal way. Six minutes after pressing the key fob the lift will automatically revert back to its disabled mode preventing further use. The lift can then only be reactivated for use by repressing the key fob.



Lower level control switch (standard installation) integrated within the left hand lower level side panel



Wall-mounted control switch box used at upper levels with no gate, or at lower level in pit without a control post.



Control post mounted on top of powerpack cover.

CONTROLS AND OPERATION



Upper level control switch (upper level gate) integral with the gate frame.



Platform control switch on powerpack cover.



Remote enable fob turns the lift on with a single press of the fob. The lift will stay on until a timer expires (default 6 min). Any subsequent presses of the fob will restart the timer. The remote mode and timer length can be set by an engineer on site to allow a user to get the functionality they require.

If the radio control enabler option is fitted press the key fob to activate the control stations.

The lift can be called by maintaining pressure on the call button and waiting for it to stop at the appropriate level. Move on to the platform and apply the wheelchair brakes. Press and maintain pressure on the control button to operate the lift until it stops at the required level.

The upper level gate (where fitted) will automatically release for up to 10 seconds when the lift reaches the upper level. Alternatively pressing the 'gate open' button on the platform or on the upper call station will also release the gate. Note that the lift can only be lowered when the upper level gate is fully shut.

If necessary, the lift can be stopped at any time by releasing the control button.

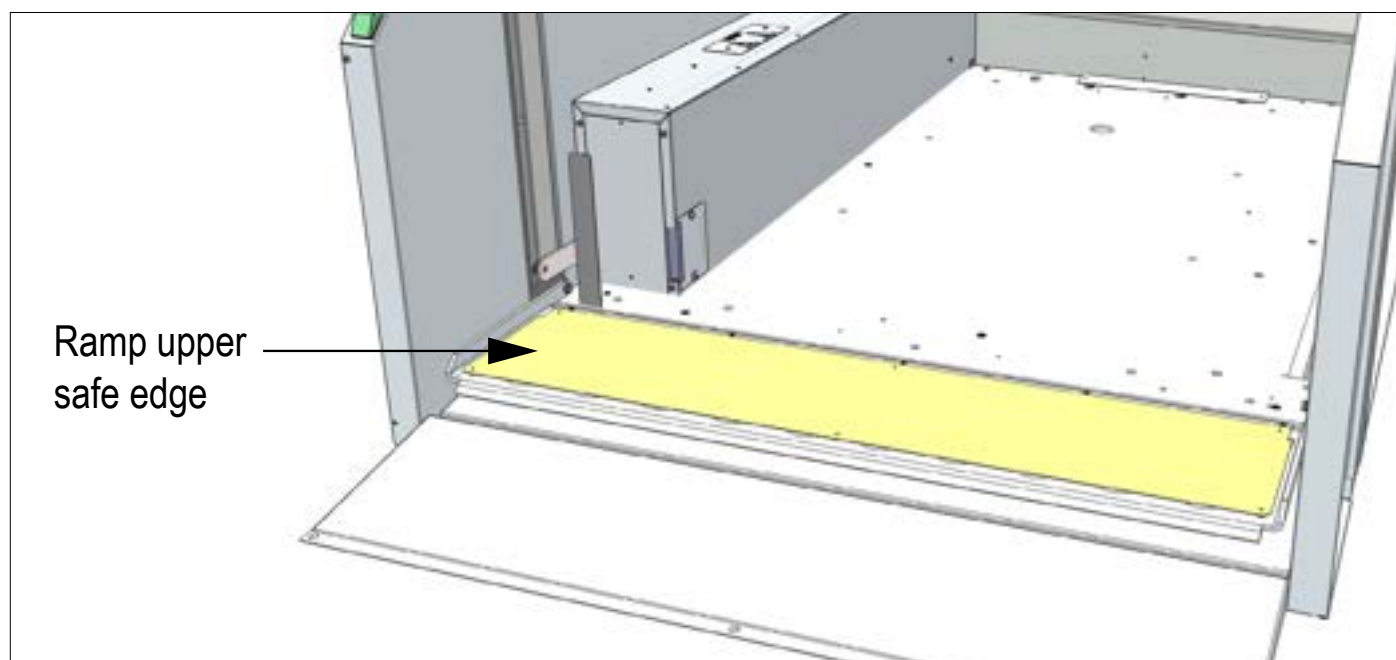
We recommend that the lift is kept at the lower level when not in use.

SAFETY SURFACE CHECKS

As a precautionary measure it is advised that you check the safety features built into the lift on a weekly basis. Carry out the checks as described below:

These tests may require the help of another person:

Folding ramp upper safe edge - With the lift at lower level obstruct the upper surface of the ramp and send the lift up, the lift should stop within 300mm of travel.



Upper level gate - With the lift at the upper level open the upper level gate and attempt to call the lift down from the lower level. The lift should remain stationary.

All of these tests should be carried out with the lift unoccupied.

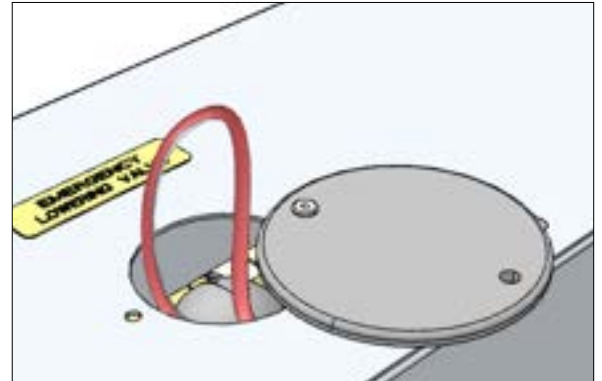
⚠ Note: If any of the above checks fail, the lift must not be used and advice sought from Terry Group Ltd on 01565 752 800.

EMERGENCY PROCEDURES

Emergency manual lowering

In the event that the lift malfunctions part-way through its travel, it can be lowered manually.

Remove one of the screws in the black round cover situated on top of the powerpack and swivel to one side. Pull and hold the cord to lower the platform. Remember to replace the cover and screw afterwards.

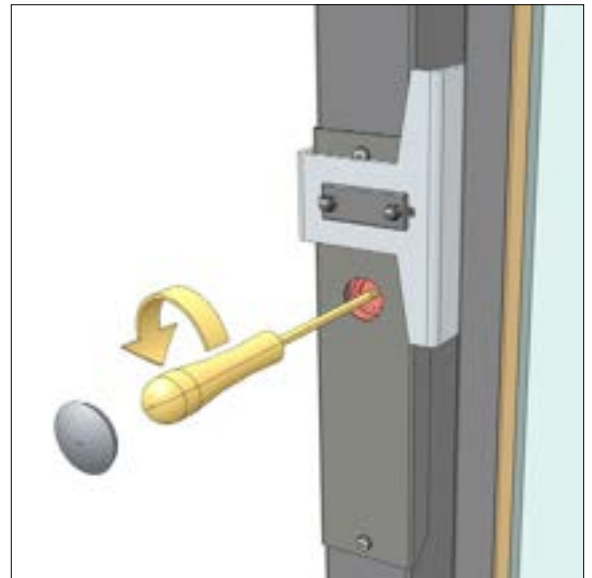


In the interest of safety, if an upper level gate is fitted, ensure it is closed before the lift is manually lowered.

Ensure that no object or persons are around or under the lift platform as the safety features will be inoperable.

Emergency gate release

Remove the blanking plug on the front of the lock cover. With the special screwdriver supplied, release the gate lock by gently turning the actuator anti-clockwise to the unlocked position - you will feel when the limit is reached. At this point remove the screwdriver. The gate can now be manually opened.



The lift function can be restored by using the screwdriver to turn the actuator back to the locked position. Manually close the gate. Replace the blanking plug when finished. The lift will not function when the actuator is in the unlocked position.



Note: A competent person will need to be called to restore the safety functions of the lift before re-use.

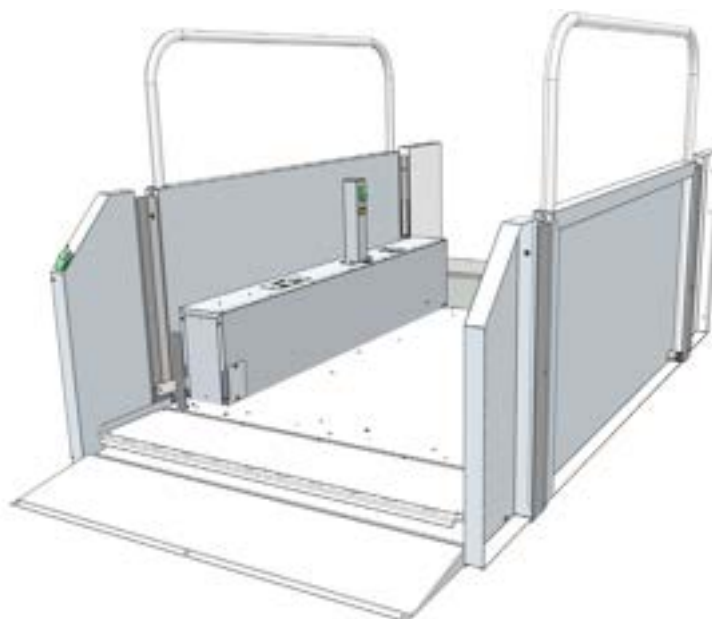
FAULT FINDING

The table below should help solve any problems which may be stopping your lift from operating correctly. However, if your lift still does not operate correctly after referring to this table please do not hesitate to call the number on the back of this booklet for further advice.

Lift position	Indication	Cause	Remedy
Lower level	Lift will not operate.	Charger isolation switch disabling lift. Remote control enabler (if fitted) not activated.	Ensure charger isolation switch is on. Activate remote control enabler with key fob.
	Lift rises short distance then stops.	Obstruction on ramp.	Remove obstruction on ramp.
Upper level	Lift will not operate.	Charger isolation switch disabling lift. Remote control enabler (if fitted) not activated.	Ensure charger isolation switch is on. Activate remote control enabler with key fob.
		Upper level gate not closed properly (where fitted).	Ensure gate is fully closed.

MAINTENANCE AND SERVICING

Provided the operating instructions are observed the lift will give many years of trouble free service. Dependent on frequency of use, this lift should be serviced at least every 12 months. This service should be conducted by competent persons trained in servicing and repair of the product. Terry Group Ltd. can quote for servicing on request.



If a lifting platform is to be installed in an adverse environment, the specifier and supplier shall determine the measures needed to ensure that safe operations are achieved including more regular service intervals.



Note: Adverse environments are those that could affect safe operation. Examples include; the effects of humidity, atmospheric pollution, solar radiation, swimming pool environs (this product is not suitable for use in chlorinated environments), extreme temperatures, etc.

If in any doubt about the operation of the lift please contact the installation company for advice.

SERVICE HISTORY



Service history record

An entry should be added to the following table every time the lift is serviced.

Date	Engineer	Company	Comments

For general servicing enquiries, please call 01565 752 800.

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LIFT SPECIFICATION

Name and address of manufacturer	Terry Group Ltd. Unit 1 Longridge Trading Estate, Knutsford, Cheshire, England WA16 8PR
Lift serial No.	
Year of manufacture	
Safe working load	250 kg
Maximum travel	0.5 metre
Power supply	Dedicated 240V ~ 50/60 Hz single phase supply. (The lift control circuits are fed by a battery which must be kept on constant charge).
Control voltage	24V DC
Hydraulic pump power consumption	600W maximum
Hydraulic oil grade	T22
Design standards	BS 6440:2011 and 2006/42/EC Machinery Directive

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LIFT DISASSEMBLY/SAFE DISPOSAL

This lift must be disassembled by a competent person who has been fully trained in the installation of this lift and is qualified to provide safe disconnection of the lift to the mains terminal.

Batteries & Printed Circuit Boards (PCB)

The batteries and PCB's within this product should not be disposed of with other household waste at the end of their working life. Where batteries are marked with the chemical symbols Hg, Cd or Pb, it indicates that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

Batteries and PCB's that are no longer required for this lift, at the end of their working life, can be returned either to an approved waste disposal facility or to Terry Group Ltd for safe disposal.

Oil

Oil from this lift should be disposed of via an authorised waste disposal contractor, to an approved waste disposal facility.

Terry Lifts

Declaration of Conformity



Machinery Description: TSL500 LIFT

This lift was manufactured by Terry Group Ltd., who declare that this lift fulfils all the relevant provisions of the following Directives:

2014/30/EU	Electromagnetic Compatibility Directive
2006/42/EC	Machinery Directive

This lift also fulfils all the relevant provisions of the following Standards:

BSEN 12015:2014	Electromagnetic compatibility. Product family standard for lifts, escalators and moving walks. Emission.
BSEN 12016:2013	Electromagnetic compatibility. Product family standard for lifts, escalators and moving walks. Immunity.
BS 6440:2011	Powered lifting platforms for use by disabled persons

This Declaration of Conformity covers all TSL500 lifts manufactured since Jan 2021 with a serial number starting Z8.

Person authorised to compile Technical File: Peter Morrey, Terry Group Ltd., Longridge Trading Est, Knutsford, Cheshire, WA16 8PR.

This declaration was completed at Terry Group Ltd., Longridge Trading Estate, Knutsford, Cheshire, WA16 8PR in January 2021

This compliance is only valid if the installation test Certificate has been completed and signed by a competent lift engineer trained to install this product to the latest installation instructions.

TERRY GROUP Ltd.

A handwritten signature in black ink, appearing to be 'D.C. Allen', written over a horizontal line.

D.C. Allen
Managing Director

Terry Lifts

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