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Kingswinford
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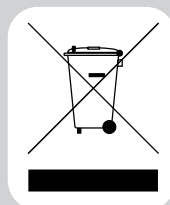
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Minivator 1000 Series



User manual





Introduction

Thank you for choosing a Minivator stairlift. Please read these operating instructions carefully. Your Minivator stairlift has been designed and built with careful attention to detail. In order to obtain many years of trouble free use please follow the instructions, paying particular attention to the care and maintenance requirements. Minivator recommend that you do not undertake any maintenance tasks other than the routine care and cleaning explained in this handbook.

Please contact your Minivator dealer or our Customer Service Department in the United Kingdom on 08700 118282 if your stairlift requires attention and we would be pleased to help you.

British Standards

Minivator has been accredited as conforming to the international standard of manufacturing, recognised by the award of ISO 9001.

All Minivator stairlifts are built and tested to conform to the British Standard for stairlifts (BS5776):1996 as well as ISO 9386-2. They also carry the CE mark.

Minivator is audited regularly to ensure we continue to conform to ISO 9001 which ensures you have a high quality, well manufactured product.

	Page
Introduction	1
British Standards	1
Features of your Minivator 1000	2
Operating your Minivator 1000	3
Key switch	3
On/off switch	3
Diagnostic display	4
Before use	4
Operating toggle	5
Remote control	5
Folding your stairlift	6
Operating the swivel	7
Hinged track – powered (optional)	8
Emergency hand winding instructions	9
Trapped articles	9
Safety and servicing	10
Warnings and precautions	10
Routine care and cleaning	11
Battery care and charging	11
Care and cleaning	11
Disposal of your stairlift	11
Appendix 1	13
– Wiring diagrams	
Appendix 2	15
– Diagnostic display	
Appendix 3	17
– Certificate of Conformity	

Features of your Minivator 1000

- 1 Folding seat base
- 2 Swivel seat
- 3 Infrared remote control
- 4 Folding footrest with safety edges
- 5 Simple to operate key switch control
- 6 Folding armrests
- 7 Diagnostic display



Figure 1

Operating your Minivator 1000



Key switch

Your Minivator stairlift is fitted with a key switch (Figure 2).

The stairlift cannot be operated unless the key is inserted and turned to the on position.

- ▲ The key switch is provided to enable you to lock the stairlift to prevent it being used by others (for example children).

However, it can be left in the on position if desired.

- ▲ If you remove your key for safety reasons, please ensure you put it in a safe place.

If the key switch is turned off the lift will continue to charge.



On/Off switch

As well as a key switch your stairlift is fitted with an on/off switch (Figure 3) on the bottom, front panel of the lift.

- ▲ Ensure that this is left in the 'ON' position. The fault diagnosis display panel will be illuminated to indicate this.

If you intend to be away from home for a long period, and decide to switch off the mains supply, it is important that you also switch off the lift from this on/off switch.

This will ensure that the lift batteries will remain charged while you are away.

Operating your Minivator 1000



Diagnostic display

The stairlift is fitted with a diagnostic display (Figure 4) that displays a code to help diagnose faults. Refer to Appendix 3 for an explanation of the diagnostic codes. If you should experience a problem with your lift please examine the display and make a note of any codes that are displayed. Please inform the customer services operator of these codes when reporting any fault.



Before use

Before using your stairlift, MOST IMPORTANTLY please ensure the stairs are clear of other people, pets or any objects which may obstruct your stairlift. Then ensure that the arms, footplate and seat are folded down for use to ensure your safety (Figure 5).

- ▲ **BEFORE OPERATING YOUR STAIRLIFT ALWAYS FASTEN YOUR LAP BELT.**

Operating your Minivator 1000

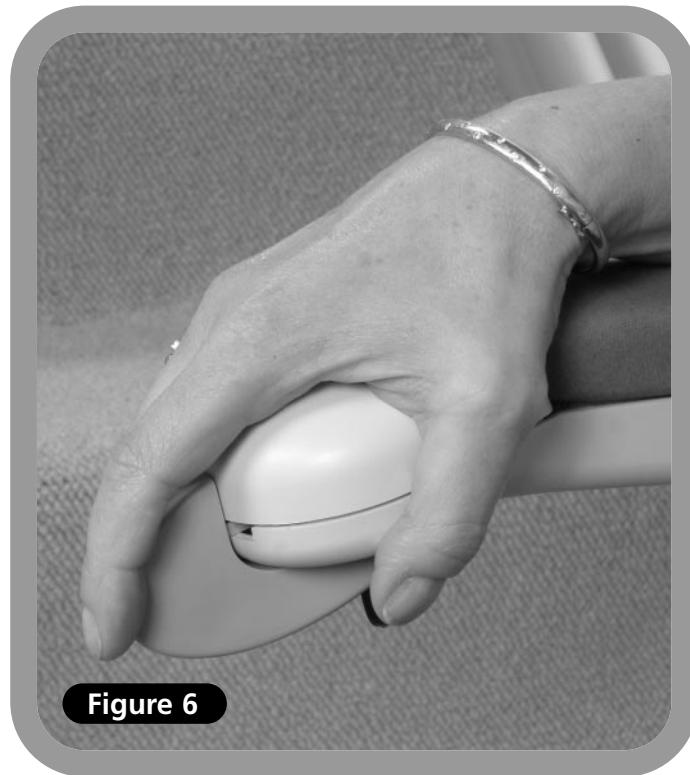


Figure 6

Operating toggle

Your Minivator stairlift is operated by simply pressing and holding the operating toggle in the direction you wish to travel (Figure 6). The stairlift will automatically stop when the toggle is released or the stairlift has reached the end of its travel.

PLEASE NOTE:

In the interest of safety, initial activation of the stairlift is delayed by 1 second from pressing and holding the operating toggle, to avoid accidental operation. If the toggle is released while the lift is in motion, the lift will stop and a delay of 1 second will occur before the toggle will re-start the lift.

When changing the direction of travel the delay will be 3 seconds before the lift begins to move.



Figure 7

Remote control

The remote control (Figure 7) is used to call the lift to either the top/bottom of the stairs or to operate a powered folding hinge where fitted. This control may also be used by an attendant where the user is unable to operate the stairlift themselves.

The attendant should always remain off the staircase until the stairlift is stationary.



Figure 8

Folding your stairlift

Your Minivator 1000 seat, armrests and footrest can be folded (when not in use) to allow easier passage up and down stairs (Figure 8).

▲ SAFETY PRECAUTION!

ALWAYS RETURN THE STAIRLIFT TO ITS STOWED POSITION. I.E. WITH ARMRESTS, SEAT AND FOOTREST FOLDED AND THE CHAIR PARALLEL TO THE TRACK AS SHOWN IN FIGURE 8, SO THAT EXITS ARE NOT OBSTRUCTED.

Manual footplate link (optional)

If your stairlift is fitted with a manual footplate link the footplate will automatically fold away when the front seat squab is lifted. It will also lower the footplate when the front seat squab is lowered.

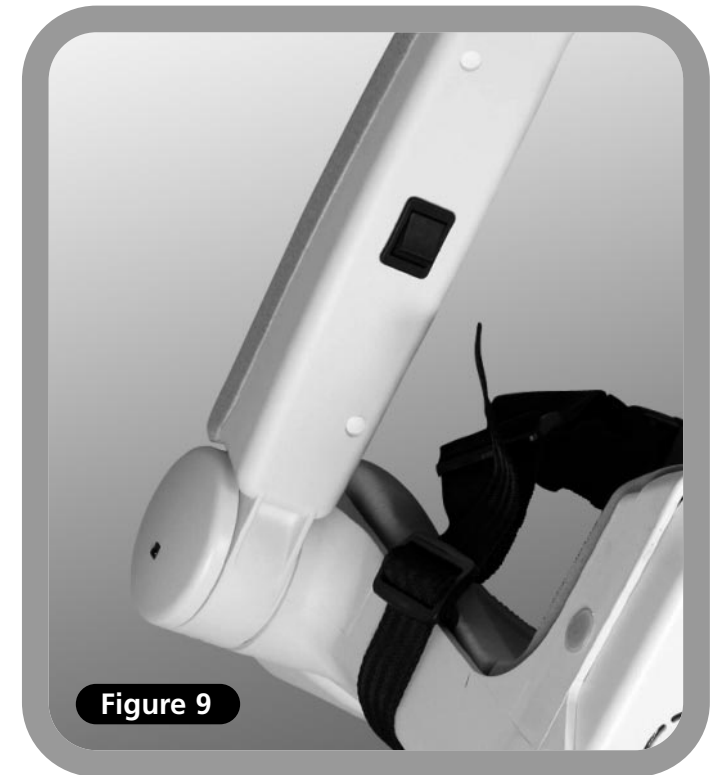


Figure 9

Power footplate link – seat squab operated (optional)

If your stairlift is fitted with a power footplate link operated from the seat squab it will automatically fold away the footplate when the front seat squab is lifted. It will also lower the footplate when the front seat squab is lowered.

Power footplate link – arm operated (optional)

If your stairlift is fitted with a power footplate link operated from the arm it will have an additional switch under the arm (Figure 9). To lower the footplate, use the rocker switch under the arm. To lift the footplate move the rocker switch to its alternate position.

NB If moving the footplate while seated on the stairlift please ensure your feet do not obstruct the footplate whilst it is in motion.



Operating your Minivator 1000



Figure 10

Operating the swivel

A swivel seat is provided to enable you to mount/dismount the seat more easily at the top of the stairs by swivelling you on to the landing.

▲ To operate the seat swivel, wait until the stairlift has stopped.

To swivel the seat hold either (there is one both sides of the seat) swivel lever down or pull it up. This will release the seat lock and allow you to move the seat round by pushing away from the footplate. When the seat reaches 90 degrees it will lock in position.

You should not attempt to leave the seat until it has firmly 'clicked' into its locked position.

To swivel in the opposite direction follow the same procedure, but push away from the landing.

Power operated swivel (optional)

If your stairlift is fitted with an optional power operated swivel there will be no swivel levers fitted. In order to swivel the seat hold the operating toggle in the up direction. When the stairlift reaches the top of the stairs continue to hold the operating toggle in the up direction. The stairlift will beep three times and then the seat will swivel. When the seat is fully swivelled to 90 degrees the seat will stop.

You should not attempt to leave the seat until it is fully rotated.

To swivel in the opposite direction follow the same procedure in reverse. Push the operating lever in the down direction. The seat will beep three times and then after a short pause it will rotate to the driving position. Continue to hold the operating lever in the down direction. The stairlift will then again beep three times before beginning its descent.

▲ SAFETY PRECAUTIONS

NEVER

Swivel the seat without the lap belt fastened.

NEVER

Mount or dismount the swivel seat unless it is locked in position.

NEVER

Try to operate the swivel seat whilst the stairlift is in motion. (As a safety precaution, should you try to use it whilst the lift is in motion, it will cause the lift to stop).

NEVER

Attempt to travel up or down the staircase unless the seat is in the correct position (i.e. facing directly across the staircase).



Operating your Minivator 1000



Figure 11

Hinged track powered (optional)

In some installations a hinged track option may be necessary: usually to move the track out of the way of a doorway at the foot of the stairs. The hinged track is fully automatic in operation and will function as follows:

Going up the stairs

Mount the stairlift as previously directed and push the operating toggle in the up direction. The stairlift will, after a short delay, move up the stairs. Once the lift has passed the hinged track section **it will stop** – KEEP THE TOGGLE PRESSED IN THE UP DIRECTION. At this time the seat will beep three times whilst the hinge track automatically folds itself away. When the hinge is fully folded the stairlift will continue to the top of the stairs.

Going down the stairs

Mount the stairlift as previously directed and push the operating toggle in the down direction. The stairlift will, after a short delay, move down the stairs. Before the lift has reached the hinged track section **it will stop** (Figure 11) – KEEP THE TOGGLE PRESSED IN THE DOWN DIRECTION.



Figure 12

At this time the seat will beep three times whilst the hinge track automatically folds open itself. When the hinge is fully open the stairlift will continue to the bottom of the stairs.

Parking the Stairlift

WHEN THE STAIRLIFT IS NOT IN USE IT SHOULD BE MOVED TO ITS PARK POSITION SO THAT IT DOES NOT CAUSE AN OBSTRUCTION.

THE STAIRLIFT DOES NOT CHARGE WHEN IT IS PARKED AT THE BOTTOM OF THE STAIRS.

To park the stairlift, press and hold the P button on the handset (Figure 12). The lift will travel up the stairs to its park position and the hinge will automatically fold itself. If you release the P button the lift or track will stop moving. To continue, press and hold the P button again. After a short delay movement will start again.

WARNING

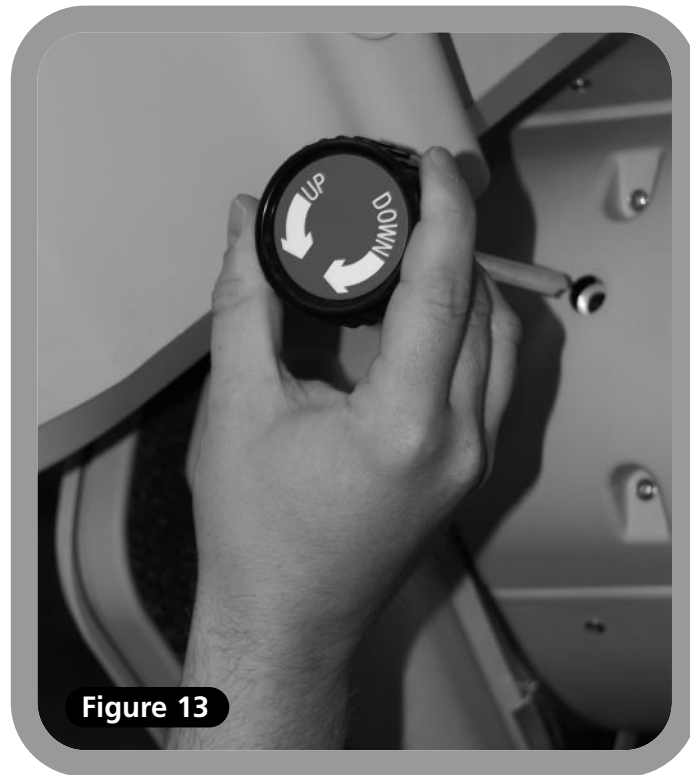
BEFORE YOU OPERATE THE HINGED TRACK PLEASE REMOVE ANY OBSTACLES WHICH MAY OBSTRUCT THE TRACK.

Hinged track manual (optional)

Before raising the manual hinged track park the stairlift on the charge points, above the hinge, or at the top of the stairs.

Your stairlift will not work unless the track has been lowered.

Operating your Minivator 1000



Emergency hand winding instructions

In the unlikely event that the lift has a total power failure or runs on to the final track stops there is an emergency hand winding procedure. Please follow these steps:

1. Switch off the stairlift with the key.
2. Insert the emergency hand winding knob (Figure 13).
3. Turn the knob in the direction indicated for the required movement.
4. When the desired position is reached remove the hand winder and switch the lift on.

If in any doubt contact your local Minivator approved dealer or ring Minivator direct on 08700 118282.



Trapped articles

Your stairlift is fitted with safety edges on the bottom of the footrest and on the lift itself that will stop the stairlift should any article become trapped by the footrest (Figure 14).

To remove the article reverse the stairlift away from the object then have the object removed from the staircase. Proceed on your stairlift as normal.



Safety and servicing

We advise that your stairlift is serviced after the first 12 months and thereafter AT LEAST EVERY 12 MONTHS.

This work must be carried out by a competent person, i.e. a Minivator approved dealer.

If in doubt, please contact the Minivator Service Department on 08700 118282.

If you own your stairlift and no longer require it your dealer or Minivator may be interested in purchasing it.

Warnings and precautions

NEVER

Allow more than one person to use the stairlift at any one time.

The maximum carrying capacity is 137kg (21½ Stone / 300lb). If you have a heavy duty version the maximum capacity is 160kg (25 Stone / 350lb).

NEVER

Allow children to play on or with the stairlift.

NEVER

Allow water to come into contact with the components in the stairlift. If you have to transport liquids DO SO WITH CARE.

NEVER

Place objects in the track or leave objects on the stairs, where they could come into contact with the lift in operation. Your stairlift is fitted with pressure sensitive side edges and undertray on the footplate, which will automatically stop the lift if it detects any obstructions.

NEVER

Use the stairlift without using the lap belt, or any other safety belts or harnesses fitted.

NEVER

Use the stairlift in a standing position.

ALWAYS

Keep your FEET ON THE FOOTPLATE whilst the stairlift is in motion, and try to avoid your feet hanging over the edges of the footplate.

NEVER

Swivel the seat until the lift has come to a stop at the top or bottom of the staircase.

ALWAYS

Fold the chair when it is not in use to avoid obstructing exits.

WARNING

If the overspeed governor is activated it should only be reset by a competent person, i.e. a Minivator approved dealer. Activation of the overspeed governor is indicated by the lift not being able to be driven down the stairs and the diagnostic display showing 0.

Routine care and maintenance

Battery care and charging

Your Minivator stairlift is battery powered and will continue to work for a period of time even if you have a power cut. You should normally be able to travel up and down the stairs at least 10 times without needing to charge the batteries. Particularly in the event of a power cut, however you should always ensure that there is sufficient light to allow safe travel, and especially at each end of the track where you get on and off the lift.

Your stairlift track is fitted with charging points, normally at the top and bottom of the staircase. Your stairlift should be left on one of these charging points when not in use to ensure that the batteries are charged. If the stairlift makes a beeping noise and/or the display show a "2" when it is left on a charging point and it is not in use IT IS NOT CHARGING. Please check that the power supply for the stairlift is switched on. If it is switched on and the beeping continues please contact your dealer or the Minivator Service Department on 08700 118282.

Maintenance

There are no user serviceable parts fitted to your stairlift. If any damage is visible or your stairlift sounds or behaves unusually contact Minivator or your approved dealer immediately. We advise that your stairlift is serviced after the first 12 months and thereafter AT LEAST EVERY 12 MONTHS.

Care and cleaning

Before cleaning any part of your Minivator stairlift, please ensure you have removed the key.

The Minivator stairlift is manufactured from a variety of materials, all with easy "wipe clean" surfaces. The seat and body covers can be wiped over with a damp, NOT WET, cloth and a small quantity of washing up liquid.

PLEASE DO NOT use abrasive cleaners, bleach or solvent based cleaners, as these will damage the seat.

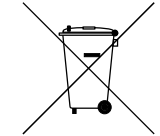
To clean the track, first send the stairlift to the top of the stairs. The track can be cleaned with a damp cloth. When most of the track is clean, move the stairlift to the bottom of the stairs and finish cleaning the track making sure that none of the cleaning debris falls on to it.

To maintain your Minivator stairlift in good mechanical order, it is recommended that regular services are carried out by qualified service engineers.

Disposal of your Stairlift

Your Stairlift has been manufactured using high quality materials and components, which can be recycled and reused.

The crossed-out wheeled bin symbol indicates that your Stairlift is covered by the European Directive 2002/96/EC, which governs the disposal of waste electrical and electronic equipment.

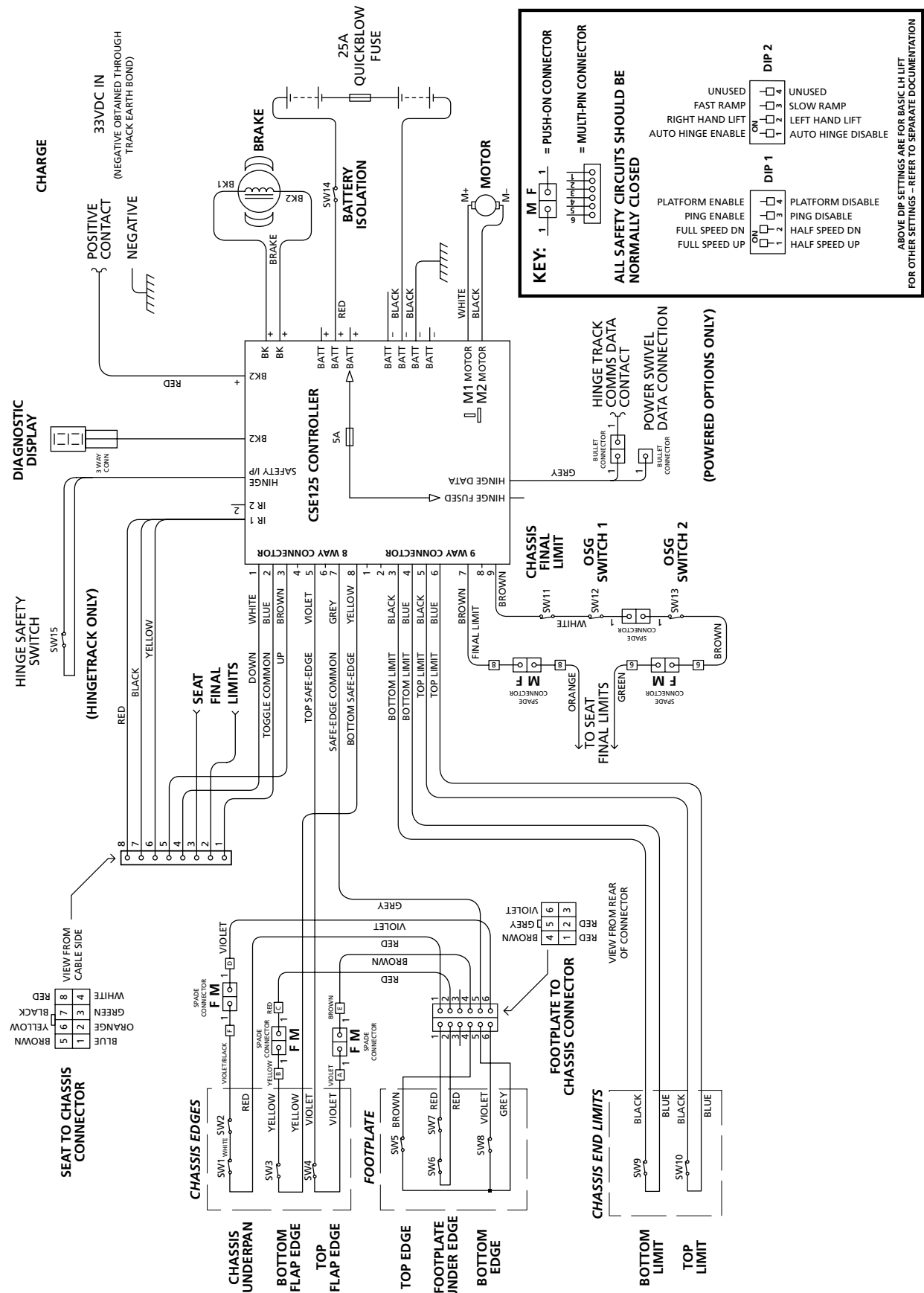
 This means that your Stairlift should not be disposed of as household waste but should be appropriately disposed of for recycling.

Recycling this product will help to protect the environment by ensuring that all materials contained in the Stairlift are appropriately handled.

Please contact Minivator on 08700 118282, your dealer or your local Civic office for further disposal information.

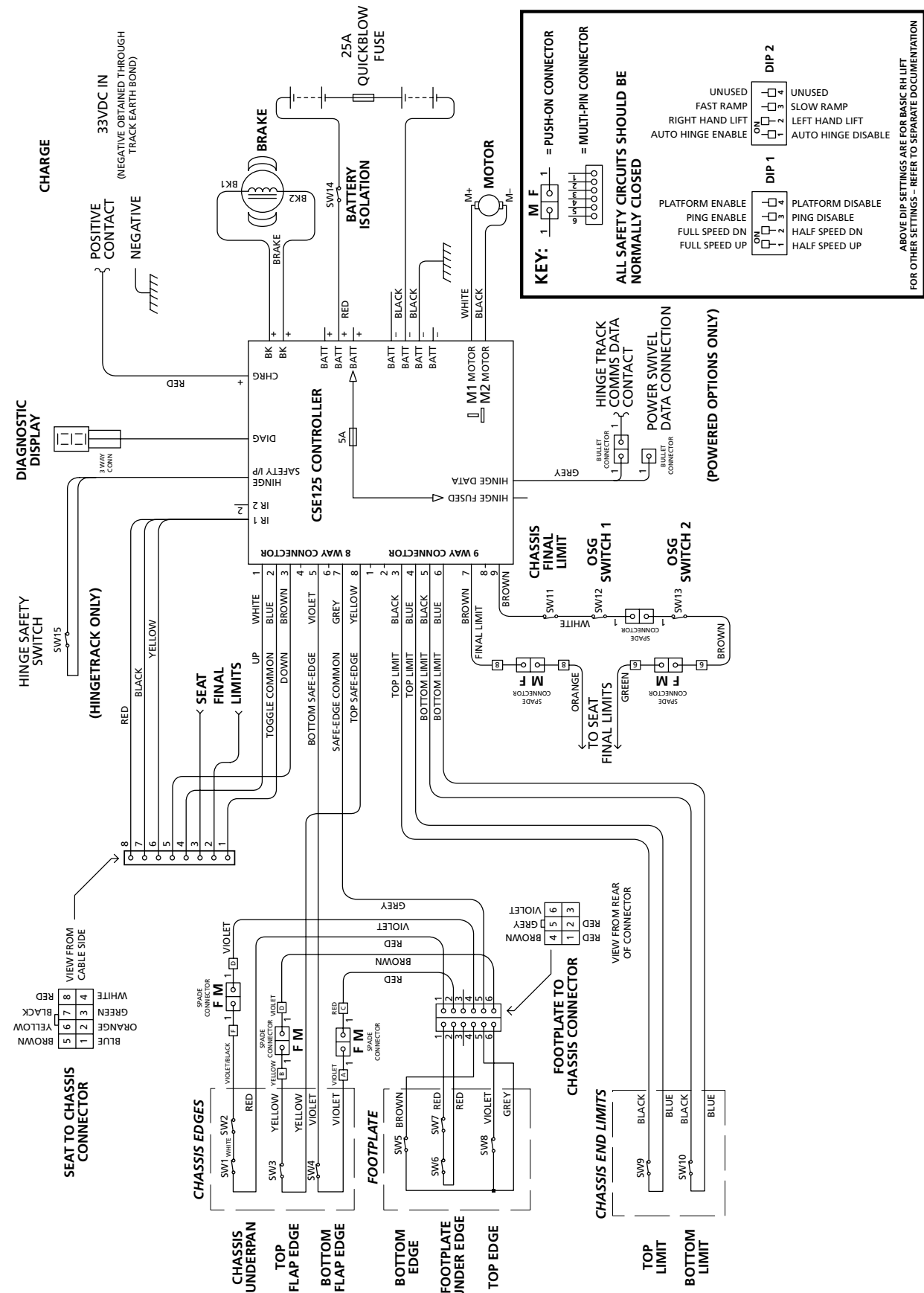


1000 Series block schematic – left hand stairlift



Appendix 1 – Wiring diagrams

1000 Series block schematic – right hand stairlift



Appendix 2 – Diagnostic display

Code: None
Meaning: No display.

Self help action:
Press the toggle switch and see if display comes on. Check that the main power switch on the lift is turned on. If this does not clear the fault, contact your dealer or Minivator.

Code: -
Meaning: Okay

Self help action:
Contact your dealer or Minivator.

Code: 0
Meaning: Final limit activated or cable short circuit.

Self help action:
Check that the keyswitch is on and seat is fully swivelled to the drive position. If this does not clear the fault, contact your dealer or Minivator.

Code: 1
Meaning: Requires charge.

Self help action:
The stairlift batteries require charging. Drive the lift to the charge contacts – if the 'Okay' code does not show contact your dealer or Minivator.

Code: 2
Meaning: Off charge.

Self help action:
The stairlift is not parked on a charging position or is not charging. Drive the lift to the charge contacts – if the 'Okay' code does not show or the lift is already on the charge contacts check the power supply is on. Failing this contact your dealer or Minivator.

Code: 3
Meaning: Ends limit activated.

Self help action:
Contact your dealer or Minivator.

Code: 4
Meaning: Safety edge (up/down direction) activated – footplate.

Self help action:
Contact your dealer or Minivator.

Code: 5
Meaning: Ends limit activated.

Self help action:
Contact your dealer or Minivator.

Code: 6
Meaning: A switch is active at power on i.e. Toggle Up, Toggle Down, IR Up, IR Down or Learn.

Self help action:
Contact your dealer or Minivator.

Code: 7
Meaning: Batteries approaching critical level.

Self help action:
The stairlift batteries require charging. Drive the lift to the charge contacts - if the 'Okay' code does not show contact your dealer or Minivator.

Code: 8
Meaning: Shows when toggle switch is activated in up/down direction.

Self help action:
N/A.

Code: 9
Meaning: Shows when toggle switch is activated in down/up direction.

Self help action:
N/A.

Code: A
Meaning: Hinge open.

Self help action:
Contact your dealer or Minivator.

Code: b
Meaning: A switch is active at power on i.e. Toggle Up, Toggle Down, IR Up, IR Down or Learn.

Self help action:
Contact your dealer or Minivator.

Code: C
Meaning: The IR address (dip switch) does not match.

Self help action:
Contact your dealer or Minivator.

Code: d
Meaning: The main power relay is welded closed.

Self help action:
Contact your dealer or Minivator.

Code: E
Meaning: The main power relay did not close.

Self help action:
Contact your dealer or Minivator.

Code: F
Meaning: Brake semi-conductor failed.

Self help action:
Contact your dealer or Minivator.

Code: g
Meaning: Brake not connected.

Self help action:
Contact your dealer or Minivator.

Code: H
Meaning: The main power relay has closed early.

Self help action:
Contact your dealer or Minivator.

Code: L
Meaning: Current limit exceeded.

Self help action:
Contact your dealer or Minivator.

Code: n
Meaning: Half speed.

Self help action:
If permanently showing contact your dealer or Minivator.

Code: o
Meaning: The main control board has a memory problem.

Self help action:
Contact your dealer or Minivator.

Code: P
Meaning: Powered swivel did not respond.

Self help action:
Contact your dealer or Minivator.

Code: r
Meaning: No charge current.

Self help action:
Make sure that power supply is switched on from mains. If it is contact your dealer or Minivator.

Code: U
Meaning: Faulty power supply.

Self help action:
Contact your dealer or Minivator.

Code: Y
Meaning: The main control board has a software fault.

Self help action:
Contact your dealer or Minivator.

Code: N/A
Meaning: Over current.

Self help action:
Contact your dealer or Minivator.

Code: N/A
Meaning: Lift is in "sleep mode" to conserve battery power.

Self help action:
Press toggle or handset button to wake lift.

NOTE: If the display is showing anything but the diagnostic codes listed it requires resetting.

Drive the lift off the charge contacts. Turn the main switch on the unit off for 10 seconds and then back on.

Appendix 3 – Certificate of Conformity

We
Minivator Ltd
of

82 First Avenue
Pensnett Estate
Kingswinford
West Midlands
DY6 7FJ, England.

Declare under our sole responsibility that the product

Minivator 1000 Stairlift

has been manufactured in conformity with the following
standards and specification:

BS5776:1996 Powered Stairlifts
ISO 9386-2 2000-11-01

To which this declaration relates is in conformity with the following
national standards:

Electro Magnetic Compatibility Directive 89/336/EEC
Low Voltage Directive – 73/23/EEC
Machinery Directive – 98/37/EEC

Signed: GM Welch

Name: G. Welch

Date: 21st January 2008

Position: Engineering Manager



Important information about your stairlift which
should be completed by the installation engineer.

Installed by(Company Name)

Serial No

Date of installation

First service due

Dealer Stamp