



Minivator Limited  
82 First Avenue  
Pensnett Estate  
Kingswinford  
West Midlands DY6 7FJ  
England

Tel: +44 (0)1384 405710  
Fax: +44 (0)1384 408719  
Email: sales@minivator.co.uk

[www.minivator.co.uk](http://www.minivator.co.uk)

# Simplicity 950 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 01384 408700 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 are audited regularly to ensure we continue to conform to ISO 9001 and this provides you with the assurance of using a high quality and well manufactured product.

	Page
<b>Introduction</b>	<b>1</b>
<b>British Standards</b>	<b>1</b>
<b>Features of your Minivator Simplicity 950</b>	<b>2</b>
<b>Operating your Minivator Simplicity 950</b>	<b>3</b>
Key switch	3
on/off switch	3
Diagnostic display	3
Operating lever	4
Hand control	5
Folding your stairlift	5
Operating the swivel	6
Hinged track - powered (optional)	7
Emergency hand winding instructions	8
Trapped articles	8
<b>Safety and servicing</b>	<b>9</b>
Warnings and precautions	9
<b>Routine care and cleaning</b>	<b>10</b>
Battery care and charging	10
Care and cleaning	10
<b>Appendix 1</b>	<b>11</b>
– Wiring diagram	
<b>Appendix 2</b>	<b>12</b>
– Certificate of conformity	
<b>Appendix 3</b>	<b>13</b>
– Diagnostic display	

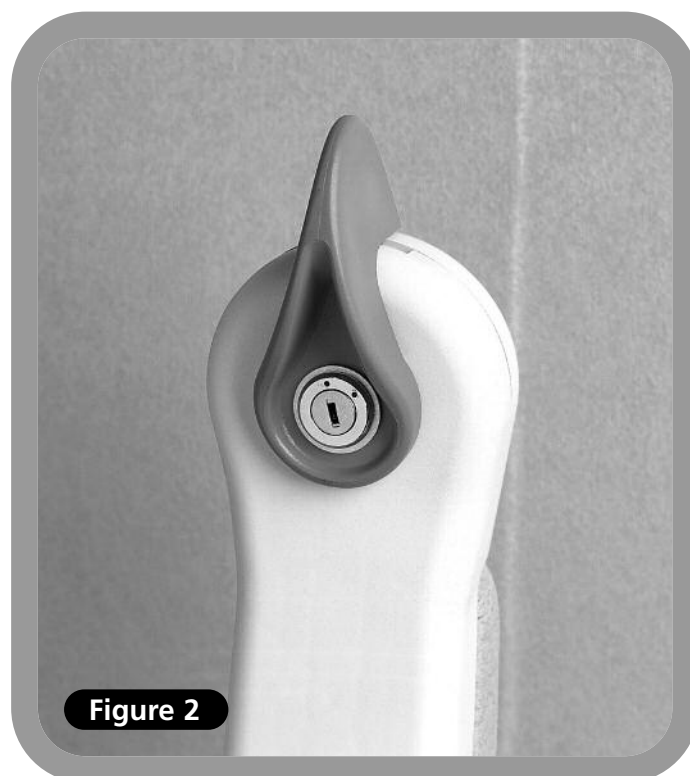
# Features of your Minivator Simplicity 950

- ❶ Folding seat
- ❷ Swivel seat
- ❸ Infra red remote control
- ❹ Folding footrest with safety edges
- ❺ Simple to operate key switch control
- ❻ Folding armrests
- ❼ Diagnostic display





# Operating your Minivator Simplicity 950



## 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 keyswitch 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 keyswitch 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, side 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.

## Diagnostic display

The stairlift is fitted with a diagnostic display (Figure 3) 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 faults.

# Operating your Minivator Simplicity 950



## Operating lever

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 next, ensure that the arms, footplate and seat are folded down for use to ensure your safety. (Figure 4).

⚠ **BEFORE OPERATING YOUR STAIRLIFT ALWAYS FASTEN YOUR LAP BELT.**

Your Minivator stairlift is operated by simply pressing and holding the operating lever in the direction you wish to travel (Figure 5). The stairlift will automatically stop when the switch 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 lever, to avoid accidental operation. If the switch is released while the lift is in motion, the lift will stop and a delay of 1 second will occur before the switch will re-start the lift.

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



# Operating your Minivator Simplicity 950



Figure 6

## Hand control

The hand control (Figure 6) is used to call the lift to either the top/bottom of the stairs or to operate a powered folding hinge where fitted. The control may also be used by an attendant control where the user is unable to operate the stairlift themselves.

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



Figure 7

## Folding your stairlift

Your Minivator Simplicity 950 seat, armrests and footrest can be folded to allow easier passage up and down stairs when it is not in use (Figure 7).

### ⚠ 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 7, SO THAT EXITS ARE NOT OBSTRUCTED.

# Operating your Minivator Simplicity 950

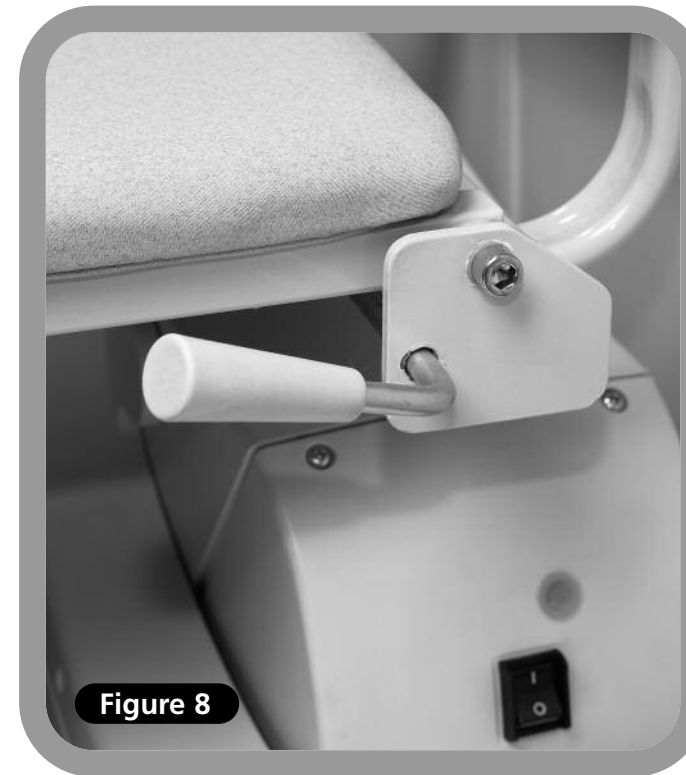


Figure 8

## 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 the swivel lever down (Figure 8). 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 (Figure 9).

To swivel in the opposite direction follow the same procedure.



Figure 9

### ⚠ 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).

#### ALWAYS

Use the swivel seat to travel up or down the staircase in the correct position (i.e. facing directly across the staircase).



# Operating your Minivator Simplicity 950

## Hinged track powered (optional)

In some installations a hinged track option may be necessary, usually to move the track out of the way of the 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 hinged track will automatically fold 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 – KEEP THE TOGGLE PRESSED IN THE DOWN DIRECTION. At this time the hinged track will automatically 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 10). The lift will travel up the stairs to its park position and the hinge will automatically fold itself.

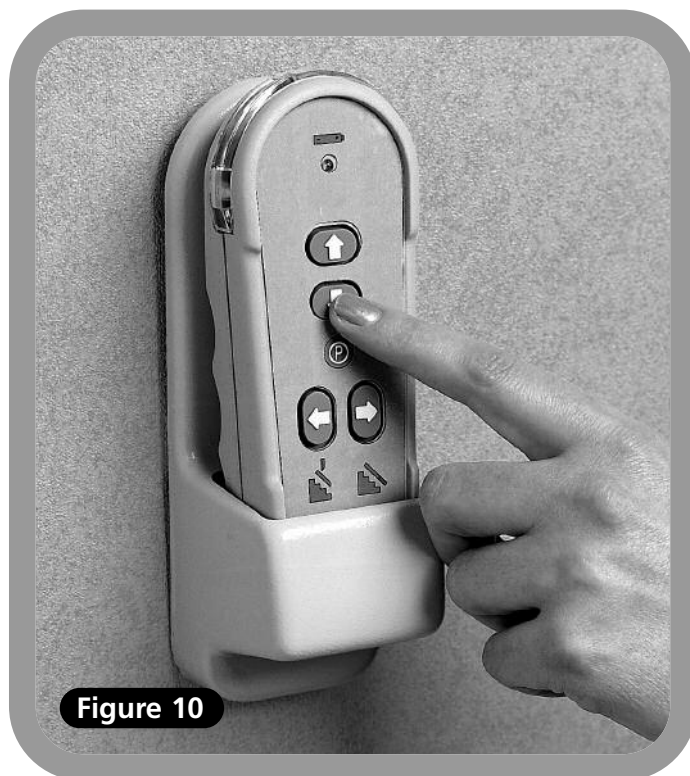


Figure 10

### WARNING

BEFORE YOU OPERATE THE HINGED TRACK PLEASE CHECK FOR OBSTACLES.

## 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 Simplicity 950

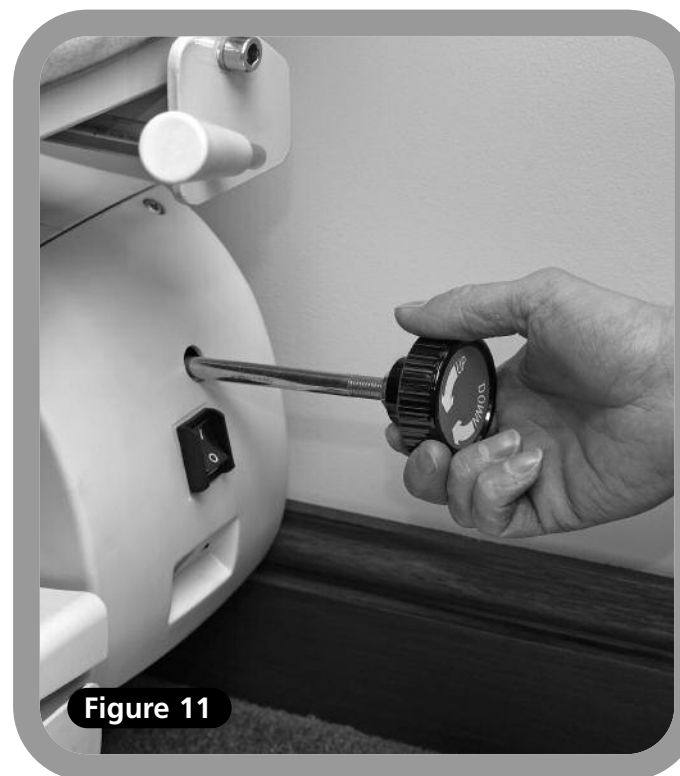


Figure 11

## 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 11).
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 01384 408700



Figure 12

## 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 12).

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 01384 408700.

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 120kg (19 stone/265lb).

### 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 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.

# Routine care and cleaning

## 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, however you should always ensure that there is sufficient lighting to allow safe travel, especially at each end of the track where you get on and off the lift.

Your stairlift is fitted with a continuous charging system such that the batteries will charge at any point that it is parked at. If the stairlift makes a beeping noise when 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 01384 408700.

## 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.

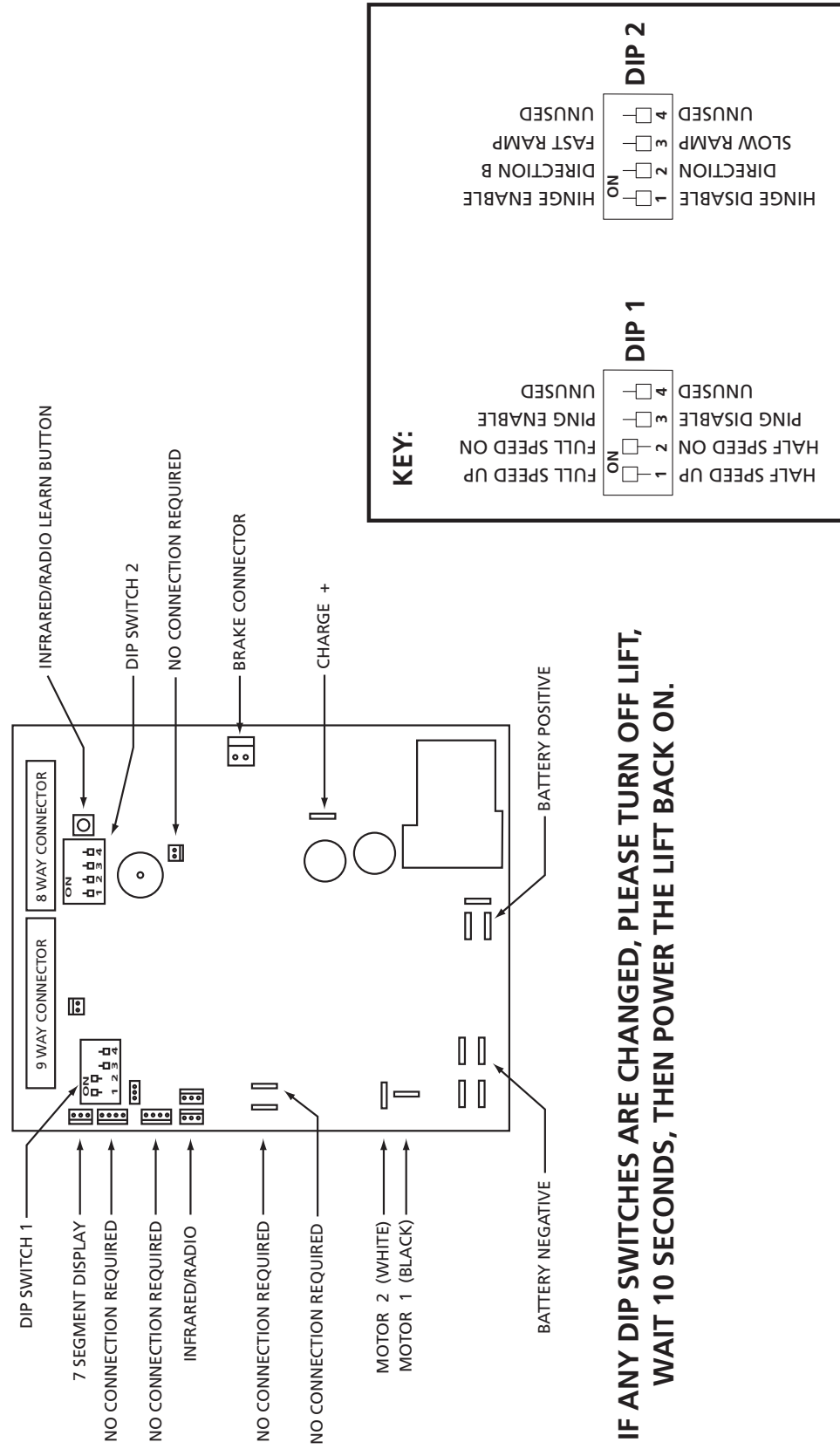
To clean the track, first send the stairlift to the top of the stairs. The track can be cleaned with a damp cloth. When most of the track is clean, move the stairlift to the bottom of the stairs and finish cleaning the track making sure that none of the cleaning debris falls on to it.

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



# Appendix 1 – Wiring diagram

## Simplicity Left Hand and Right hand Standard



# Appendix 2 – 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 Simplicity 950 Stairlift

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

**BS5776:1996 Powered Stairlifts**

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: .....

Name: G. Welch

Date: .....

Position: Engineering Manager



# Appendix 3 - 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.

**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:** 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:** 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. Drive the lift to the charge contacts – if the 'Okay' code does not show contact your dealer or Minivator.

**Code:** 3  
**Meaning:** Ends limit activated.

**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:** 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:** 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:** 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:** 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:** N/A  
**Meaning:** Over current.

**Self help action:**  
Contact your dealer or Minivator.

**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.

**NOTE: If the display is showing anything but the fault codes above 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.





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

