LIBERTY OPEN

OPERATOR & MAINTENANCE (O&M) MANUAL

Wessex Lift Co Ltd
Budds Lane,
Romsey,
Hampshire,
SO51 OHA, UK

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October 2013

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RECORD OF REVISIONS

Revision	Revision Date	Description	ECO
A	22/10/2013	Initial Release	1485
B	21/03/2017	Updated company logo	1584

Contents

1. INTRODUCTION

Firstly thank you for buying this Wessex Open Platform Lift the "***Liberty Open".***

The ***Liberty Open*** lifting platform offers a wide range of options to suit most; if not all applications. Employing the latest technologies in its design and operation we believe the ***Liberty Open*** is easy to use and aesthetically pleasing on both internal and external applications. The simplicity of design will provide for long service and reliability.

Wessex Lift Co Ltd has extensive experience (over 30 years) in providing products that aid mobility. We consider ourselves one of the most experienced manufacturers in the market place today.

Our in-depth knowledge of associated building and electrical work and management expertise ensures that the installation of all Wessex Equipment is completed with the minimum of disruption to you, the end user.

This instruction manual has been written to help you become accustomed to your lift and we hope that over the next few minutes you will: -

- Study and become familiar with the step by step instructions;
- Ensure that a nominated person is also familiar with the instructions, especially with the operating procedures in the unlikely event of a breakdown.
- Keep this manual in a safe place for future reference together with the Test and Examination Certificate and electrical wiring diagram.
- Ensure that any tools such as the Manual Gate Release key and Pump Enclosure door release key are kept in a safe place for future use.

2. SAFETY PRECAUTIONS

2.1. General

Working on the platform lift may only be carried out by trained and competent persons.

2.2. Prohibited Use

- Never allow children to play with the lift and exercise care if children are playing in the vicinity of the lift.
- Never jump or swing while the lift is in operation
- Watch out for loosely fitted clothes whilst travelling on the lift.
- Do not insert loose objects between the frame and the lift car or inside the frame.
- Stop the lift (release the push-button or press in the emergency stop) immediately on the discovery of any danger.
- Do not remove parts of the lift and do not subject the lift to physical force or other damage.
- Signs with warning text and safety instructions must not be removed; covered or made illegible.
- Do not spray water on the lift or subject it to other liquid spillage.
- Do not use the lift it is faulty or functions abnormally.
- Pay attention to ensure that visible electrical components, for example, pushbuttons, cables, and the like are not damaged.
- The lift must not be used for purposes other than those described in the manual.
- Material must not be transported unattended in the lift.
- Components higher than 2.2 metres must not be transported in the lift.

2.3. WARNING – Overload

Do not at any time exceed the Safe Working Load (SWL) of the lift, an overload is indicated by a red L.E.D its position is lower left side of the label within the car.

2.4. Repair and Maintenance

Do not use, or attempt to use the lift if it is under maintenance or if you are instructed not to do so by a qualified service engineer. Report any signs of damage/vandalism to ***Wessex Lift Co Ltd*** or your appropriate service agent. ***Wessex Lift Co Ltd***; do not encourage users to clean or carry out any similar works that involves working under the platform or in areas that involves the removal of panels or components of the lift. Any attempt to do so will invalidate the warranty.

2.5. WARNING – Risk of Crushing

There is a risk of crushing when working under the platform. The installation or service engineers should follow the instructions in the installation and service manuals when carrying out any works below the platform. *See section 2.7.*

Under no circumstances should the operator of the lift be permitted to access the lift shaft below the platform.

2.6. Safety Actions prior to working on the platform lift.

The lift must ***always*** be disconnected from the mains supply using the mains power switch before work or emergency lowering is started.

Note: Consider lock and tag procedure if there is a risk of interference by other parties.

Switch of the main power switch as follows:

1. Open the pump box enclosure and trip the MCB
2. Switch off the lift units main power switch lock and tag and place a warning sign prominently at each platform lift entrance advising of work in progress.

2.7. Safety precautions when working under the platform

When working underneath the platform the lift must be run up a least 1 metre (or its maximum height) from the floor level.

The pit prop must now be positioned and fixed mechanically in place.

It is recommended that a safety helmet is worn to protect your head when working under the platform.

3. STANDARD FEATURES

3.1 Finish

To complement this product the paint finish on the OP Range, is a high quality durable powder coating. The standard colour is from the interpon D (Akzo Nobel) Bleu Sable 700 but many other colours are available as a cost option.

External models come with a 5 –year anti corrosion warranty as standard. *(Subject to terms and conditions)*

3.2 Standards and Compliance

The lift is built in accordance to the essential health & Safety requirements (EHSR) of the ***European Machinery Directive 2006/42/EC*** and is CE marked in accordance with this directive, the code of practice BS 6440: 2011 is also applied to the product.

The product can also be made to comply with Part M of the UK building regulations by purchasing the relevant optional extras.

3.3 Safety Gear

The use of rupture valves prevents the rapid descent of the lift in the event of a hydraulic hose or pump failure.

3.4 Platform Sizes

- OP01 – 1460 x 800
- OP02 – 1460 x 900
- OP03 – 1460 x 1100

3.5 Application

The lift is suitable for internal or external applications

3.6 Travel Speed

The lift has a rated speed of 80mm/sec.

3.7 Safe Working Load

The Maximum Safe working load is 300kg (47 Stone)

3.8 Manual Lowering

In the event of a power failure the lift can be lowered to the ground floor by operating the in-car emergency lowering facility or by operating the solenoid lowering valve on the pump unit.

3.9 Safety Features

Sensitive Safety devices (Safety Edges) on all leading edges of the platform and carrier frame

3.10 Lift enclosure

This product does not have a lift shaft enclosure, it uses a travelling cage type arrangement.

*A full Technical specification can be found in **Section 10** of this manual.*

4. OPERATING INSTRUCTIONS - CONTROLS

4.1 Upper/Lower Landing Call Station (Standard Controls)

The Upper landing call station is operated simply by pressing and releasing the rocker call switch.

The lift will automatically travel to where you are.

(Picture left shows standard call station with key switch option - at upper level)

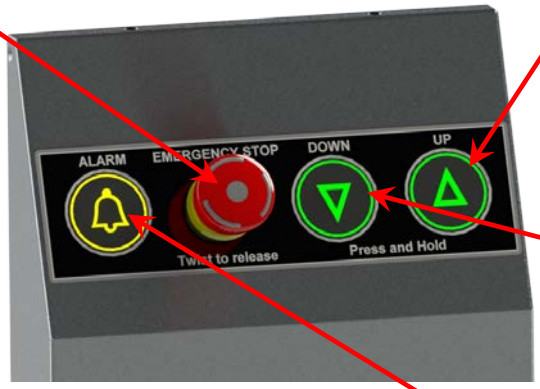
4.2 In Car Internal Standard Controls (2-Stops)

Emergency Stop

To stop the lift in the event of an emergency, press the red 'emergency stop' button.

The button will stay locked down. The lift will not work when the stop button is in this position.

To release, twist the red button clockwise.



(Picture above shows high spec raised tactile, illuminated call buttons) In Car.

Up Direction – Press and hold the green arrow to make the lift move up.

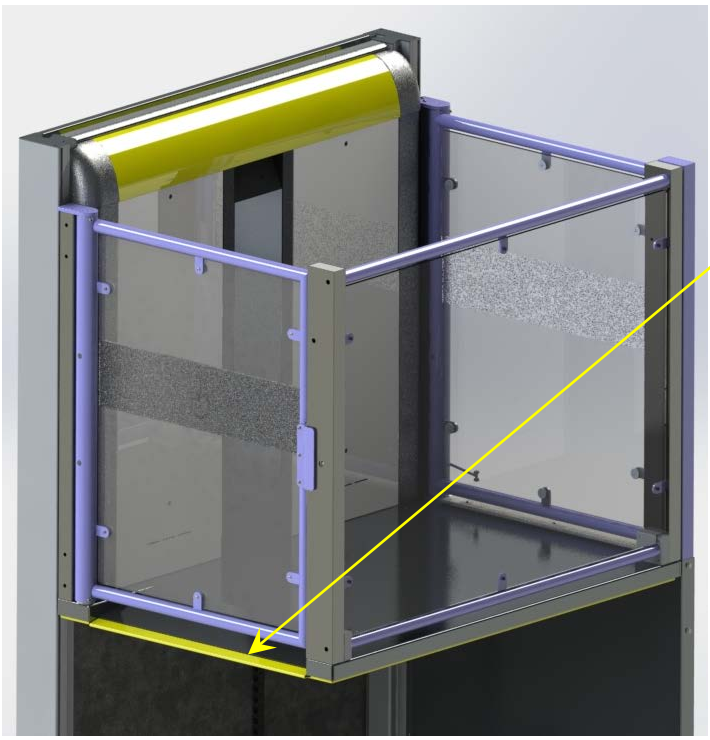
(Note: If you release the button the lift will stop).

Down Direction – Press and hold the green arrow to make the lift move Down.

(Note: If you release the button the lift will stop).

Alarm – Press and hold the 'alarm button' to sound the alarm.

4.3 Sensitive Safety Devices – 'Floating Platform

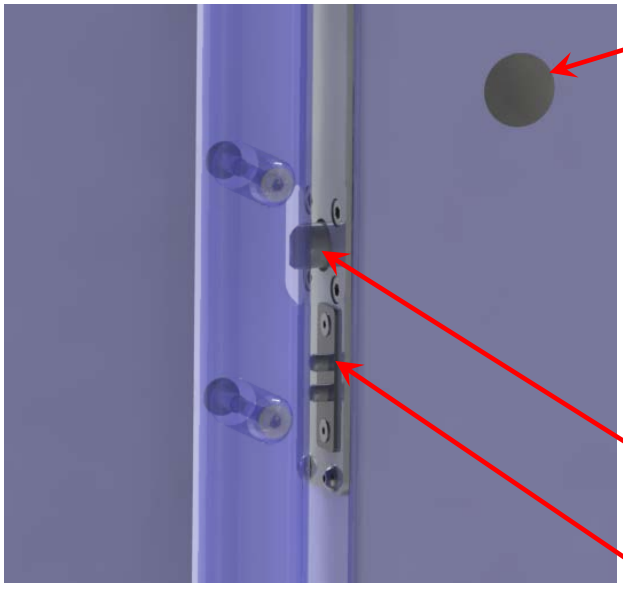


Floating Platform Safety Sensitive Surface.

The underside of the platform has a sensitive surface that triggers the lift to stop should it encounter an obstacle in the downward direction. *This is shown in Yellow in the picture (Left).*

If the platform or carrier comes into contact with an obstruction the lift will stop. The lift can only be restarted once the obstruction has been removed.

4.4 Gate Interlocks



Manual Gate Release Access Hole

The lower level and Upper level gates are fitted with an interlocking arrangement to prevent un-controlled movement of the carrier.

The platform lift will not move if the gate is not fully latched and locked in place.

Lock/Latch

Interlock Contacts

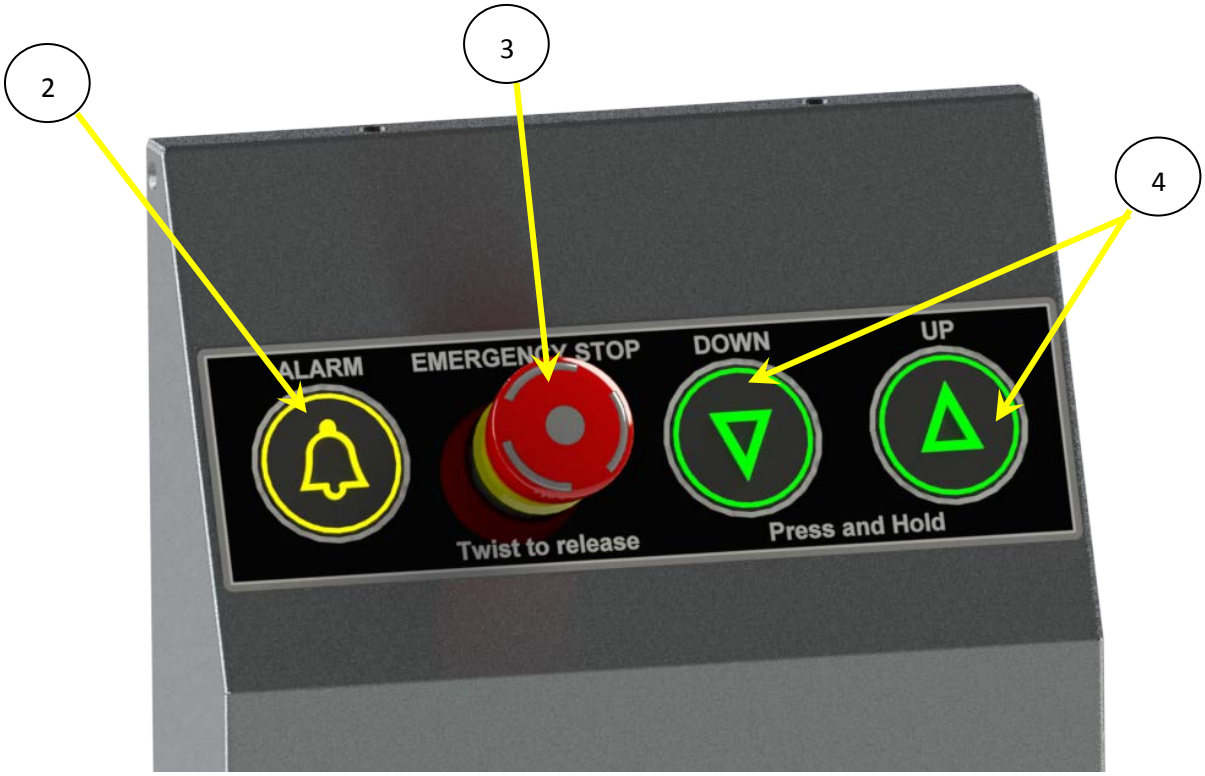
Notes:
Latch Plate removed for clarity
Gate tube upright shown transparent

4.5 Operation of the Platform lift (Overview)

4.5.1 - The control panel

The lift car is equipped with large, easy to use control buttons.

The control panel contains an alarm button (Item 2), and Emergency stop button (Item 3) and directional landing buttons (Item 4).



4.5.2 – Principle of Operation

The lift is designed and complies to the legal European directive 2006/42/EC and is intended to operate as follows: -

The in car controls are of constant pressure *i.e. the buttons must be kept depressed throughout the travel*. If released, the platform lift will stop immediately. When the platform lift reaches the correct landing, it will stop automatically.

The in car control buttons take priority over the landing call stations; i.e. the landing call stations will not work if someone is travelling at the same time.

The landing call station buttons are of one touch operation i.e. to call the lift simply press and release the 'CALL' button to call the lift.

The landing controls can be altered upon request to suit Part M of the building regulations so that they are also of the hold to run type.

4.6 - Calling the Lift.

The Open platform lift is designed to service 2 landings, (Ground floor & 1st Floor), however, calling the lift from any landing is essentially the same.

- If the platform is at the landing you are calling the lift from, then you simply just need to press the call station button; an audible tone will sound at which point either the Gate will open ***automatically*** or you will be able to open the gate ***manually*** and enter the lift.
- If the platform is not at your landing then it will need to travel from its current landing position to the landing that you are calling the lift from. Again simply press the call station button. The platform will then travel to your landing level; you will then be able to enter the lift. Gates will open automatically or manually depending on the options selected on purchasing the lift.

Entering & Exiting the Lift.

The lift can be configured to allow the user to enter and exit the lift without the need to reposition their wheelchair or other mobility device. You can simply enter the lift, and exit in the same direction. A robust handle is provided so that the user can pull them self into the lift car.

Closing the Gate.

Automatically operated Gates will close after a short time has elapsed. To re-open the Gates if necessary press the call button for the floor where you currently are. On manually operated Gates you simply need to ensure that the Gate latches shut.

Travelling to the required level.

Once the Gates have closed, the lift will now be permitted to travel to the required level. You will note that the controls operate only by a 'constant pressure', i.e. as soon as you remove your finger from any directional button the lift will stop. This is to allow the user to change his/her mind and alter the direction of intended travel.

Changing Direction of Travel.

If you wish to return to the level you have departed from (mid travel), simply remove your finger from the in-car directional control button, wait 3 seconds and then select the new direction of travel button. The lift will then move in the new direction. Alternatively the original direction of travel can be maintained if desired.

Note: after releasing any control button there is a 3 second delay before allowing the user to operate any other function.

5. IN THE EVENT OF A FAILURE.

5.1 Raising the alarm.

In order for a trapped person to be able to call for help with an operating failure; the lift has been equipped with an alarm facility. When the alarm button is depressed the emergency signal is sounded. The alarm is powered by the battery backed facility.

5.2 Emergency In-Car lowering

In the event of a power failure which results in the user being trapped between floors, the lift can be lowered to the floor that is the nominated exit point for the building. Emergency lowering is achieved by pressing the down direction button which will be illuminated at point of power failure.

In Car Emergency Lowering – Power Failure

The lift incorporates a facility that will allow the lift to be lowered to the ground floor in the event of a power failure.

1. In the event of a power failure, the lower Green, directional arrow will illuminate.

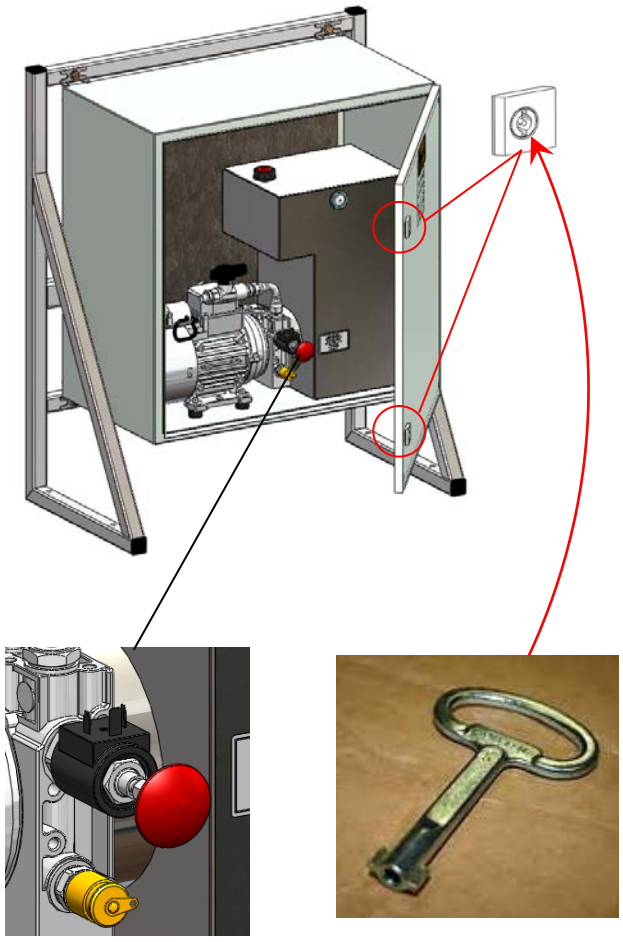
2. At this point the operator can press and hold the Green Down Arrow to allow the lift to travel to the ground floor.

Note: In the unlikely event of this feature not working the lift can be lowered using the emergency lowering valve on the pump unit, which is contained in an enclosure.

5.3 Manual lowering.

In the event of a mains power and battery failure, the lift can be lowered to the ground floor by operating the emergency-lowering solenoid valve located in the control box.

WARNING! *Ensure that the control box is isolated from the mains supply before opening. After using the emergency lowering valve, shut and lock the control box before reconnecting the mains supply.*



Emergency Lowering – Using Pump Lowering Valve.

1. using the Pump box Release key (Provided) open the Enclosure door. *Twist key approximately ¼ turn and pull the door open.*

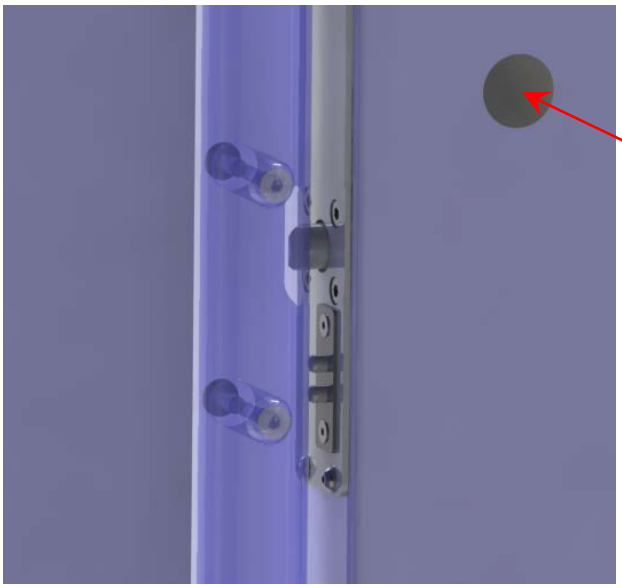
Note: It is recommended you keep the release key in a convenient place in case of an emergency.

2. Pull the red solenoid knob and the lift will lower towards the ground, releasing the knob will stop the platforms descent.

When the platform has reached the lower floor level the Gate can be opened manually.

WARNING! *The safety devices will not work when manually lowering the lift. Ensure that any obstructions are removed and that the user is aware of the process.*

5.4 Manual Release of Gate



Manual Release of Gates

WARNING! *Ensure that the lift is at the lower level before manually opening the Gate.*

Remove the rubber grommet on the Gate lock infill.

Align and insert the gate release key provided,

Twist approximately ¼ turn and pull the Gate open.

Note: It is recommended you keep the gate release key in a convenient place in case of an emergency.

Replace the grommet on completion.

6. ROUTINE CARE & MAINTENANCE

6.1 Domestic Applications

Before cleaning your Liberty Open platform lift, please remember to switch off the unit at the mains supply switch, adjacent to the control box.

Cleaning of the carriage area of the lift can be carried out using a variety of household cleaners, we recommend that you remove any debris that has built up such as litter, leaves etc before cleaning the main structure of the lift.

The surfaces of the lift can be cleaned with a damp (not wet) cloth and a detergent such as a household washing up liquid. Any glazing panels can be cleaned using a suitable glass cleaner.

Note: Wessex in no way encourages private users to use ladders to clean the exterior of the lift or the interior panels by balancing ladders on the platform.

If you wish your lift to be cleaned we recommend that you use a 3rd party contractor or contact ***Wessex Lift Co Ltd*** *for further assistance.*

Wessex Lift Co Ltd *recommends that your lift is service at 6 monthly intervals at which point any maintenance requirements will be carried out.*

6.2 Public Access Applications

Lifts that are installed in Public access applications are under the care of either attendants or site service personnel. Any problems with the running and operation of the lift should be reported directly to these bodies, who will arrange for the necessary actions to be instigated.

In most cases the fault will be reported either to ***Wessex Lift Co Ltd*** *or the installation and servicing agent responsible for the installation of the Liberty Open product.*

7. OPERATING DIFFICULTIES & FAULT – FINDING.

Incorrect operation of the equipment can often be misinterpreted for faults or malfunctions with the lift. If you believe that there is a problem please first check the points below.

If the problem cannot be solved after carrying out these checks, then the lift must be switched off and isolated from the mains electricity supply. To do this simply switch off the mains electricity spur adjacent to the lift.

You should then contact your designated company responsible for repair and maintenance of the lift.

Table 7.1 – Faultfinding Procedure

SYMPTOM	CHECK
The lift will not operate	- Ensure that the Gates are closed and interlocked. - Ensure that the mains power is turned on. - Ensure that the lift is not isolated via a key-switch; this will result in the call buttons not being illuminated. (check landing call stations and remote locking devices, changing the position of any one key will turn the lift off or on). - Check that safety stop devices are not activated (E-Stop button). - Check that moving safety devices are not activated or stuck in, check platform edges and top Carriage safety edges). - Ensure that the Residual Current Device (RCD) switch & Miniature Circuit Breaker (MCB) are both ON. Both are located within the control box. Proceed as follows: - • Ensure mains supply is OFF • Unlock control box using special key • RCD and MCB are situated at the top/back of the cabinet. • Switch both ON if tripped. • Close and lock the gate. • Turn mains supply back on.

8. EMERGENCY BREAKDOWN SERVICE

The Wessex Customer Care Team is manned between 9:00am to 5:15pm, Monday to Friday (except public holidays) and field service engineers normally operate during the same hours

An engineer will normally visit site within 24 hours (Monday to Friday) to attend to a breakdown call, provided the equipment is covered by a warranty or the user (or any agency responsible for the maintenance of the equipment) agrees that they will cover any costs incurred.

Calls for assistance outside normal office hours will be handled by our emergency cover service and every effort will be made to attend such calls within a reasonable time scale (i.e., within 24 hours) – however, there is no guarantee that an engineer can be available during these hours.

During normal office hour's; telephone the emergency number indicated below and ask for The Customer Care department. A member of staff will record details of your request and initiate the necessary actions to resolve the problem.

Outside normal office hours telephone the emergency service number indicated below. The operator will take details and pass this information to a duty engineer who will then contact you by telephone to fully assess the problem and to offer a suitable level of technical assistance to minimise the immediate difficulties being experienced. Where necessary and feasible the duty engineer will make suitable arrangements to an engineer to attend site as soon as possible to effect repairs.

The duty engineer is supported by a duty supervisor and duty manager to ensure that contact with an engineer is always available outside normal office hours. The operator has facilities to contact all of these people as appropriate.

For further information on breakdown cover and servicing please contact our Customer Care Team.

Emergency Breakdown Service Telephone Number

+44 (0) 1794 830303
(24 Hour Service)

9. SERVICE & INSPECTION

Your Liberty Open has been inspected and tested for quality and reliability. It should give you many years of service as long as regular maintenance is correctly carried out. *Failure to do this could lead to unreliable or unsafe operation.*

The Lift is guaranteed for 12 months, unless you have decided to purchase an extended warranty at the same time as buying your unit. Alternatively, you may wish to establish a maintenance agreement that will provide for routine servicing on a regular basis thereafter.

Wessex Lift Co Ltd recommends that the lift is checked and or Serviced every six months.

The lift is to be serviced in accordance to ***BS 6440: 2011 standard (Annex E)***, which includes, but is not limited to the following: -

- Interlocking devices;
- Electrical safety devices;
- Earth continuity;
- Supporting and suspensions means for lifting (Hydraulic Rams);
- Driving unit, and or brakes;
- Devices for preventing free fall and descent with excessive speed, e.g. safety gear;
- Alarm system;
- Safety edges;
- Internal Surfaces (distances, surfaces and sharp edges);
- Guides and guide shoes or rollers;
- Lighting and any emergency lighting;
- Moving parts (Check for wear).

A certificate similar to that shown on the next page should be prepared and recorded in a log to be retained on site. The examining authority should also retain a copy.

For all enquiries regarding service please contact
The Customer Care Team at:

Wessex Lift Co Ltd.
Budds Lane,
Romsey,
Hampshire,
SO51 0HA
Tel: +44(0) 1794 830 303
Fax: +44(0) 1794 512 621

SERVICE & INSPECTION RECORD

Service Period (Months)	Engineers Name	Company	Signature	Date
3				
6				
12 (1 Year)				
18				
24 (2 Years)				
30				
36 (3 Years)				
42				
48 (4 Years)				
54				
60 (5 Years)				
66				
72 (6 Years)				
78				
84 (7 Years)				
90				
96 (8 Years)				
102				
108 (9 Years)				
114				
120 (10 Years)				

Circulation:

Copies for site log ☐

Examining Authority ☐

Periodic Examination Certificate

1. Property Details

	Lift Location	Inspection/Examination Company
Name:		
Address		
Tel No:		

2. Lift Details

Model	Description	Install Date	Serial No

3. Construction of Lift

	YES	NO
Are all parts of good mechanical construction, sound material and adequate strength (so far is ascertainable)		

4. Lift Condition

Service Report	Serviceable	Requires Replacement		Serviceable	Requires Replacement
Motors, gears, brakes, drums			**Labelling (incl. SWL)**		
All safety edges/limits			**Lights/alarm**		
Lift enclosure			**Oil levels & seals**		
Guide rails, tracks and fixings			**Hydraulic components**		
Push buttons			**Batteries**		
Pads and Guides			**Door mechanism**		
Trailing cables			**Door/Gate Interlocks**		
Wiring and fuses			**Door locks**		
Isolators			**All fixings**		
Manual lowering			**Safety circuits/fuses**		

5. Accessibility

Were any parts of the lift inaccessible for inspection or service?	

6. Repairs, Renewals or Alterations

What repairs, renewals or alterations are required to enable the lift to continue to be used with safety?	**Immediately**
If no such repairs, renewals or alterations are required, enter none.	**Within a specified time limit**

7. Defects

Check for any signs of defects?	

8. Safe Working Load

Subject to the repairs, renewals or alterations (If any) stated in section 6, what is the safe working load of the lift?	**Kg**

9. Other Observations

10. Declaration

I/We certify that on the date below, I/we thoroughly examined this lift and that the foregoing is a correct report of the examination.

Signature(s):		
Position:	***Service Engineer***	***Service Engineer***
Address(es):		
Date:		

10. LIFT TECHNICAL SPECIFICATION

This Open Liberty Lifting Platform is designed to meet the requirements of the machinery directive 2006/42/EC.

Depending upon the options you have requested at point of sale the lift can be tailored to suit other codes of practice as indicated in the following table: -

Description	***'Liberty Open'*** - Powered (Hydraulic Direct Acting) Vertical Lifting Platform with non-enclosed lift-way intended for persons with limited or impaired mobility.
Rated Safe Working Load (SWL)	300Kg (47 Stone)
Rated Travel Speed	0.08m/Sec
Travel Height	Max. 3000mm
No of Landings	Up to 2 (Ground and 1st floor)
Usable Platform Size[1]	(1460 x 800mm), or (1460 x 900mm), or (1460 x 1100mm)
Lift Access Configurations	Through Access and LH/RH Side Access
Clear opening width[1]	800mm (1460 x 800), 900mm (1460 x 900 & 1460 x 1100)
Clear Opening Height Required[1]	2000mm
Light at lifting platform floor	50 lux
Standard/Code compliance *(Directives and Standards)*	The Lift is EC type tested and certified and comply with the following Directive and standards: • 2006/42/EC Machinery Directive • BS 6440: 2011 • Part M of the Building Regulations 2004 (When appropriate Options are selected).
Drive	Direct acting Hydraulic Ram
Power Supply	Dedicated 240V, 50Hz Single Phase Supply
Power pack motor size	1.5kw
Control Box	Dim's: 600mm x 600mm x 350mm deep, Weight: 60kg, Colour: Grey (RAL 7032) *(Must not exceed 5000mm from lift)*
Control Voltage	All lift circuits operate at 24V DC.
Control System	PCB with surface mount components and relay logic

[1)] Standard design. Other measurements available on request.

Tetrosyl EP2 Grease COSHH Data Sheet

1. Identification Of the Substance/Preparation and Company/Undertaking.

Product Name:	C/Lube Lithium Grease 500gm
Part No:	XGE500
Supplier:	Tetrosyl Limited Bevis Green Works Walmersley Bury Lancashire Tel: 0161 764 5981 Fax: 0161 797 5899

2.Composition/Information on Ingredients

Substance	Classification	**Content**
Polypropylene Carbonate	Xi R-36	1.5%
Zinc Dialkyldithiophosphate	Xi N R36 51/53	0 – 1%

The full text for all R phrases are displayed in Section 16

3.Hazards Identification

Not regarded as a health or environmental hazard under current legislation

4.First Aid Measures

Inhalation:	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion:	Encourage the exposed person to drink plenty of water Get medical attention if any discomfort continues. ***Never Make an Unconscious Person Vomit or Drink Fluids!***
Skin:	Remove affected person from source of contamination. Get medical attention if irritation persists after washing.
Eyes:	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Tetrosyl EP2 Grease COSHH Data Sheet

5.Fire Fighting Measures

Extinguishing Media: This material is not flammable. Use extinguishing media appropriate for surrounding fire.

6.Accidental Release Measures

Spill Cleanup Methods: Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

7.Handling and Storage

Usage Precautions: Avoid spilling, skin and eye contact.

Storage Precautions: Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

8.Exposure Controls and Personal Protection

Ingredient Comments: OES: Occupational Exposure Standard.
MEL: Maximum Exposure Limit.

Protective Equipment:

Ventilation: Provide adequate general and local exhaust ventilation.

Protective Gloves: Use suitable protective gloves if risk of skin contact.

Eye Protection: If risk of splashing, wear safety goggles or face shield.

Other Protection: Wear appropriate clothing to prevent any possibility of skin contact.

Hygienic Work Practices: ***DO NOT SMOKE IN WORK AREA!*** Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material.

Tetrosyl EP2 Grease COSHH Data Sheet

9.Physical and Chemical Properties

Appearance:	Grease
Colour:	Dark Blue
Density/Specific Gravity (g/ml):	0.900

10.Stability and Reactivity

Stability:	Normally Stable
Conditions to Avoid:	Avoid excessive heat for prolonged periods of time.
Hazardous Decomp. Products:	0.900

11.Toxicological Information

Health Warnings:	No specific health warnings noted.

12. Ecological Information

Ecological Information:	Dangerous for the environment if discharged into watercourses.

13. Disposal Considerations

Disposal Methods:	Dispose of in accordance with local authority requirements.

14.Transport Information

UK Road Transport Class:	N/A
UK Road Pack GR:	N/A
ADR Class No:	N/A
ADR Class:	Not Classified For Transportation.
Proper Shipping Name:	N/A
IMDG Class:	N/A
IMDG Pack GR:	N/A
ICAO Class:	N/A
Air Pack GR:	N/A

Tetrosyl EP2 Grease COSHH Data Sheet

15.Regulatory Information

Risk Phrases:	Not Classified
Safety Phrases:	S-2 Keep out of the reach of children. S-46 If swallowed, seek medical advice immediately and show this container or label.
Statutory Instruments:	Chemicals (Hazard Information and Packaging) Regulations.
Approved Code of Practice:	Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance Notes:	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16. Other Information

Information Sources:	Dangerous Properties of Industrial Materials Report, N.Sax et.al.
Issued By:	PJC
Revision Date:	2002-09-03
Rev No/REPL SDS Generated:	1
SDS N0:	200218
Print Date:	2004-03-26
R-Phrases (Full Text):	R-36 Irritating to eyes. R-51/53 Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.
Disclaimer:	The information provided in this document has been compiled on the basis of our current knowledge and is believed to be in accordance with the requirements of the Dangerous Substances Directive, Dangerous Preparations Directive and Safety Data Sheets Directive. The information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. The conditions and extent of storage and use of material are outside of our control and within the control of the possessor or user. Consequently it is the responsibility of the possessor or user to satisfy themselves as to the completeness of such information and the suitability of the material for their own particular circumstances, conditions or use.

Hydraulic Oil COSHH Data Sheet

1.Manufacturer

C.P. Lubricants Ltd
Manufacturers of LubeMaster **Products**
Suppliers of Lubricants
Drivers Wharf, Northam Road,
Southampton,
SO14 0YF
Tel: 023-80337800 Fax: 023-80337801 Mobile: 07850-503546. **www.cplubricants.co.uk**

2.Products Included

Hydraulic Oils HydroMaster : SA, AW and HV Range
Heat Transfer Fluids
Airline Lubricants
Industrial Gear Oils
Quenching Oils

3.Product Description

This group covers: Lubricants based on synthetic and/or highly refined mineral oils.

4.Composition Information

These products are based on highly refined Synthetic or mineral oil with additives.

5.Nature of Hazards

Synthetic & Mineral oils are generally low hazard products. They may cause slight temporary irritation if splashed in the eye. They may cause slight skin irritation following frequent or prolonged skin contact.

6.Physical Properties

PHYSICAL PROPERTIES

Appearance/State @ 20 Deg C	:	Clear/brown liquid
Odour:		Mild
Specific Gravity @ 15.6 Deg C	:	Generally within the range of 0.87-0.95
Acidity/Alkalinity:		Not Applicable
PH Product:		Not Applicable
PH Usage Concentration:		Not Applicable-immiscible with water
Freezing/Melting Point	**:**	< 0 Deg C. Pour point depends on grade classifications
Pouring Point:		- 18 Deg. C. depending on viscosity
Boiling Point/Range Deg C:		> 250 Deg. C.
Vapour Pressure @ 20 Deg C:		< 0.01 mm Hg
Vapour Density (air=1):		Not Applicable
Evaporation rate:		Not Applicable
Miscibility with water:		Immiscible
Miscibility with solvents:		Miscible with petroleum solvents

Hydraulic Oil COSHH Data Sheet

7.Fire Data

Flash Point (C) and Method:	High flash point (>200 Deg. C.) products (Closed cup)
Auto ignition Temperature Deg C:	> 220
Flammability Limits:	1.5 to 6% (volume % in air)
Products of Combustion:	Combustion products consist mainly of oxides of carbon and water vapour, with unidentified organic compounds
Special Fire/Explosion Hazards:	Large surface areas exposed to air/oxygen (E.G.: oil soaked rags, paper or absorbed spill ages) may be easily ignited and these should be cleared up at once.
Special Fire Fighting Procedures:	Fire-fighters should enter area wearing self-contained breathing apparatus. Do not spray directly into storage container due to boil over danger.
Extinguishing Agents:	Foam, Dry Powder, Carbon Dioxide and Halon. ***DO NOT USE WATER***

8.Storage Information

Storage Temperature Deg C:	Recommended 0 to 40.
Storage Precautions:	No special requirements, avoid elevated temperatures.
Suitable Materials/Coatings:	Most common metals and plastics are suitable for storage.
Unsuitable Materials/Coatings:	Product may soften some rubbers.

9.Reactivity and Thermal Decomposition Data

Stability:	Stable Material
Hazardous Polymerisation:	Will not occur
Known Dangerous Reactions:	None known
Reaction with water:	None
Materials to avoid:	Strong oxidising agents
Conditions to avoid:	Extreme temperatures
Decomposition Temperature Deg C:	> 160
Dangerous decomposition products:	Significant concentrations of hazardous decomposition products are not expected.

10.Spillage and Disposal Information

Released or spilled:	Use absorbent material. Wash down area
Waste disposal methods:	Incinerate or land dump at appropriate site in accordance with local regulations. Some used oils may be reclaimed by specialist contractors. Movement of used products are controlled by consignment note issued by the local environment agency. May only be transported by licensed carrier
Environmental information:	Avoid contamination of drains, sewers and water courses.

11. Toxicological/Occupational Health Data

Oral LD50 (mg/Kg body weight):	> 5000 (rats, expected LD50)
Dermal LD50 (mg/Kg body weight):	> 3000 (rabbits, expected LD50)
Inhalation LC50 (mg/litre):	No data
Occupational exposure limits:	5 mg/m3 (oil mists)

12.Effects of Over-exposure

Eye Contact

May cause temporary irritation, smarting and or discomfort. Permanent tissue damage is not expected.

Skin Contact

These products are generally non-irritant on incidental contact, however excessive or prolonged contact with used products can give rise to blockage of hair follicle and skin pores, inflammation and irritation.

Inhalation

Harmful concentrations of vapour do not normally arise except where high temperatures or atomising systems are involved. Under such conditions inhalation in high enough concentrations may cause irritation in lungs and possible respiratory damage.

Ingestion

In the unlikely event of swallowing: nausea, discomfort and irritation may result. Aspiration into the lungs (direct or during subsequent vomiting) can cause local irritation of lung tissue which may give rise to chemically induced pneumonia - children are more susceptible than adults.

Carcinogenicity

No carcinogenic effects are normally associated with these products - they are manufactured from highly refined base oil stocks to minimise any risk and in accordance with current petroleum industry, UKPIA, CONCAWE and IARC guidance are not classified as carcinogenic materials.

Other Chronic Toxic Effects

There are no reports of long term adverse toxic effects in man attributable to the use of this type of product**.**

13.Recomended First Aid

Eye contact
Flush with plenty of clean water for at least 15 minutes. If irritation persists obtain medical attention.

Skin Contact
Wash with soap or approved skin cleanser and water. Remove heavily contaminated clothing. Where skin rashes or other abnormalities occur as a result of excessive contact, medical advice should be obtained.

Inhalation
In the event of discomforting effects produced by over-exposure, remove to fresh air. If effects persist obtain medical attention. NOTE: While the recommended exposure limit for oil mists is 5 mg/m3 it is generally advisable to control exposures below 2 to 3 mg/m3 in order to minimise nuisance and discomfort complaints.

Ingestion
Milk or water to drink may be beneficial. **DO NOT INDUCE VOMITING.** Main hazard is aspiration into the lungs during or following ingestion, children being more susceptible than adults. If this occurs e.g. during vomiting, send to hospital immediately.

Notes to Doctors
Treat symptomatically. Aspiration may cause severe pneumonitis requiring antibiotic and corticosteroid therapy.

14.Special Protection Information

Respiratory Protection:	Not normally required
Eye/Face Protection:	Eye goggles are suitable
Hand Protection:	PVC/Synthetic rubber gloves are suitable
Body Protection:	Normal Clean industrial overalls
Other Protection:	May need local extraction if mists are generated
Ventilation type:	General ventilation
Additional Handling Data:	Avoid unnecessary skin contact. The use of suitable skin barrier cream can be beneficial. Observe good standards of personal hygiene. Keep exposure to oil mists and fumes to a minimum.

15.Packaging, Labelling and Transport Classifications

UK/EEC Supply Class:	Not classified
UN Classifications/Shipping Name:	Not Classified
UK 'PG' Packaged Goods Regulations:	These products are not classified as being hazardous for transportation.

16.Additional Information

During some service conditions, for example those involving high fluid temperatures or where the product is used in combination with other materials or in any process. It is the responsibility of the user to decide whether the information is suitable and complete for the user's particular use. All physical data and characteristics are given to enable the user to design suitable control and other health and safety measures, they are presented as a guidance for this purpose only, and may NOT necessarily represent typical or specification values.
Updated: Aug 2004

11. MANUFACTURERS INFORMATION

Model:	OP01, OP02, OP03 Enclosed Platform Lift
Manufacturer:	Wessex Lift Co Ltd
Address:	Budds Lane, Romsey, Hampshire, SO51 0HA
Telephone No:	+44(0) 1794 830 303
Fax No:	+44(0) 1794 512621
E-Mail:	info@wessexlifts.co.uk
Web Site:	www.wessexlifts.co.uk

12. MANUFACTURER'S WARRANTY

The manufacturer's warranty begins 12 months from commissioning and hand over.

	Parts	Labour	Planned Services	Anti-Corrosion
Supply only	12 months	n/a	See price list	60 months
Supply & Install	12 months	12 months	See price list	60 months

Additional service and extended warranty packages are available upon request.

Anti-Corrosion Warranty
All new Liberty Open Platform Lifts are covered by a five year anti-corrosion warranty.

All repair work undertaken under the anti-corrosion warranty must be carried out by an authorised repairer. The warranty covers corrosion, which occurs on any surface of the Lifting Platform.

The warranty does not cover corrosion caused by neglect, accidental damage or other external influences.

Maintaining Your Anti-Corrosion Warranty
To ensure that any warranty claims are processed quickly and efficiently, please observe the following guidelines:

1. The Lifting Platform should be thoroughly examined by a technically competent person at intervals not exceeding six months, as recommended in EN 81-41:2010).

2. Paint work or any other damage identified during these inspections, including any to the underside of the Lifting Platform, must be reported promptly to the manufacturer.

3. Claims cannot be accepted for corrosion that occurs as a result of un-repaired or improperly repaired paintwork or neglect.

4. The warranty does not apply to parts, panels or materials that have not been approved by the manufacturer

Maintenance Recommendations
Regular care and maintenance will enhance the appearance of the Lifting Platform; it will extend the life of the paintwork and is essential for ensuring the continued effectiveness of the protection against corrosion.

Although modern paints are durable and resistant to many external hazards, they are not resistant to all. You should, therefore, take particular care with your paintwork; for example birdlime can have an extremely corrosive effective on your paintwork and should be removed as quickly as possible.

EC Declaration of Conformity

The manufacturer of the products covered by this declaration is: -

'Wessex Lift Co Ltd', Budds Lane, Romsey, Hampshire,
SO51 0HA, United Kingdom

Declare that under sole responsibility that the products
Open Platform Lift **'Liberty Open'**
Known as Model(s) **LL800, LL900, LL1100**

Serial No(s) 00001 to 00100

are in conformity with the provisions of the following EC directives(s) when installed in accordance with the installation instructions.

Directive(s):

Machinery Directive: 2006/42EC
Low Voltage Directive: 2006/95/EC
Electromagnetic Compatibility Directive: 2004/108/EC

Conformity Assessment Procedure:

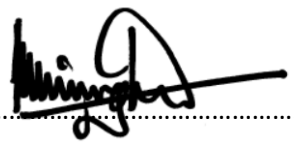
As defined in Regulation 13 of Supply of Machinery (Safety) Regulations 2008;

Conformance of a type sample with the regulations from the EC directives has been certified by the manufacturer.

The technical documentation required to demonstrate that the product meets the requirements of the above directives has been compiled by the signatory below and is available for inspection (at the manufacturers premises) by the relevant enforcement authorities.

The CE mark was first applied at the manufacturers' premises in 2013.

The products described above comply with the essential requirements of the directives specified.

Signed: 

Authority: ……..

Date: ……./……../…….

CE