



**LIFT ONDA**

DEVICE

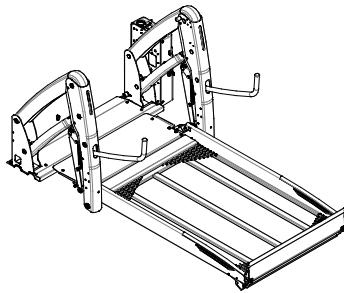
**ONDA OB Series**

**ONDA OW Series**

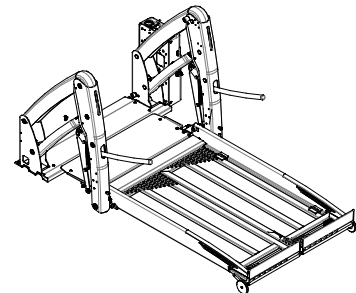
**ONDA OS Series**

MODELS

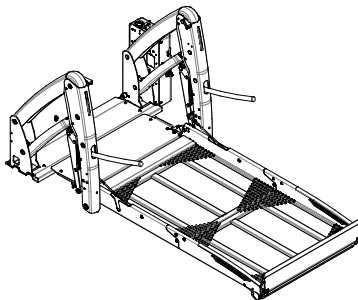
ONDA OB - SERIES



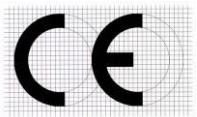
ONDA OW - SERIES



ONDA OS - SERIES



**ORIGINAL INSTRUCTIONS**



**00**  
REVISION  
**2020**  
YEAR

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## 1.1 MANUFACTURER



**AUTOLIFT SRL**

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Tel. +39 0376 550375 – info@autoliftsrl.com

## 1.2 MARKING

The lift device is manufactured in compliance with the relevant EC directives applicable on the date of entering the market. Considered a "medical device" pursuant to article 2, point 1), letter a), first paragraph of directive 2007/47/EC, the device carries a specific identification plate which, in addition to the specific technical data also includes the CE marking, guarantee of the compliance of the device to the directives/standards referred to the enclosed Declaration of Conformity.

The plate, a facsimile of which is shown here, is stamped with the data indicating the specific model and unit.



<b>CUSTOMER NAME:</b>	_____
<b>INSTALLER NAME:</b>	_____
<b>DATE OF INSTALLATION:</b>	_____
<b>SERIAL NUMBER:</b>	_____



**IT IS PROHIBITED TO REMOVE OR TAMPER WITH THE IDENTIFICATION PLATE.**

## 1.3 IDENTIFICATION OF OPERATORS



The lift user is the physical or legal person who purchases it and has it operated by an operator.



The operator, also defined as the **accompanying person**, is the person who uses the device.

Operators working with devices designed to transport persons with motor deficiencies or disabilities must be competent to act in all situations; they must always be mentally aware; they must comply with the physical and mental requirements for ensuring sufficient reactivity in the event of an emergency or a hazard. They shall therefore not only acknowledge all the details given in this manual but shall obligatorily possess the following characteristics.

**PHYSICAL:** good eyesight, hearing, coordination, ability to safely perform all the functions required to use the lift, no disorders or debilitating or disabling infirmities caused by the intake of substances altering the person's emotional state (e.g. drugs and/or alcohol).

**MENTAL:** ability to understand and apply the established rules and safety precautions; they shall be attentive, use common sense to ensure their own safety and that of others; they shall be willing to correctly and responsibly perform the tasks of assistant and operator during the transport, loading and unloading of disabled and other passengers.

**EMOTIONAL:** the operator must be calm and able to cope with stress and use common sense over his own physical and mental conditions; he must be able to manage normal and abnormal situations, understanding his own limits and, at the same time, how to deal with an emergency.

**TRAINING:** this manual, and diagrams and graphs attached, the hazard warning plates and stickers applied to the electro-hydraulic lift must be read, studied and fully understood; the operator must be familiar with the use of the controls and the lift movements, having performed all tests (without loads) required to learn all the operating phases.

**TASKS AND RESPONSIBILITIES:** in this context we refer only to the operator's tasks concerning the use of the lift, which include switching on the power circuit, moving the various parts, assembly and removal of any optional parts, and maintenance. The operator must therefore be fully familiar with the safety regulations and relative devices, the use of the controls and the manual emergency devices.

The operator is personally responsible for the use of the lift and its correct operation, maintenance, the handled load and all actions which are performed within the above-listed tasks.

If any situations occur which could compromise the physical and mental state of the transported person, following the non-compliance or poor knowledge of the operator, he shall personally be civilly and criminally liable towards the injured party.

This applies also to any tampering or modifications by the operator of parts or components of the lift which no longer guarantee its safety and reliability for the transported persons.

Autolift Srl declines all liability in the event of such situations.

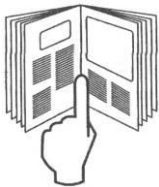


The user is responsible for distributing this manual to all staff working with the lift.



In addition to complying strictly with the instructions given in this manual, operators shall not use the lift and shall report directly to their managers, or if they do not have one, directly to the manufacturer AUTOLIFT srl, concerning any shortcomings or potentially hazardous situation which may occur.

## 1.4 STRUCTURE AND USE OF THE MANUAL



**USERS AND OPERATORS MUST HAVE READ THIS MANUAL PRIOR TO PUTTING THE LIFT INTO SERVICE.**

This manual aims to provide users and operators with all the information they require to ensure that they are able both to use the lift appropriately and are able to manage it as autonomously and safely as possible.

Before performing any operations on the lift, users and operators must carefully read the instructions given in this publication.

In the event of doubt over the correct interpretation of the instructions, contact the AUTOLIFT srl technical department to obtain the required clarifications.

This manual is an integral part of the lift, it must be kept safely by the purchaser and made available for use by the operators.

The contents of this manual comply with the Directive 2007/47/EC and were drafted following the guidelines given in UNI 10893:2000. They also comply with the requirements of UNI EN ISO 10535:2007.

This manual has **38** pages, including the cover, and enclosures (see para.1.6).

Data and drawings are indicative only; with a view to the continuous development and updating of its products, the manufacturer may modify the contents without notice.

It is prohibited to disclose, edit or use this manual for any other purposes.

In drafting the manual, we have chosen to use only a few yet clear pictograms to draw the reader's attention to important concepts and to make consultation simpler and more immediate.



THE INDICATIONS MARKED BY THIS SYMBOL REPRESENT A POTENTIAL HAZARD, WITH THE RISK OF PHYSICAL DANGER FOR THE USERS.



THE INDICATIONS MARKED BY THIS SYMBOL ARE DEEMED PARTICULARLY IMPORTANT FOR THE OPERATION OF THE LIFT.



THE INDICATIONS MARKED WITH THIS SYMBOL ARE IMPORTANT FOR COMMUNICATION BETWEEN THE MANUFACTURER AND THE USER.

## 1.5 ATTACHMENTS LIST

Inspection log.

Wiring diagram.

Hydraulic diagram.

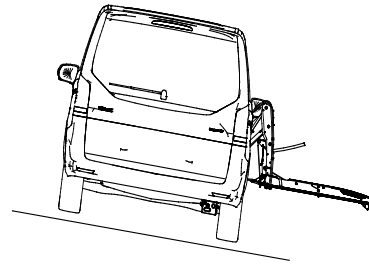
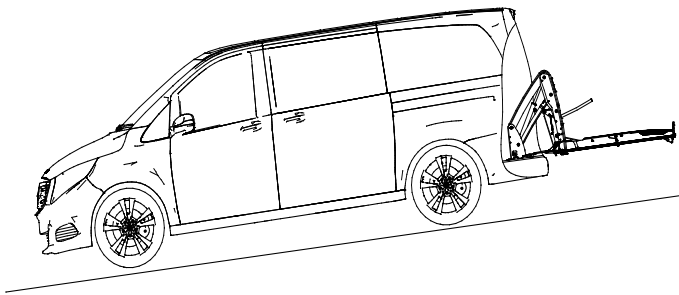
Assembly drawings.

## 1.6 SAFETY – GENERAL RULES



When using the hydraulic lift, a hazardous situation may be caused by parking the vehicle on a slope.

Use the lift with the vehicle parked on flat ground



The vehicle must always be parked safely with the emergency brakes on, before starting to work the lift.



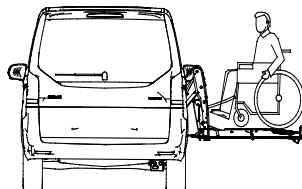
Examine the hydraulic lift carefully before each use. If there are any hazardous conditions or if you notice unusual noises or movements, do not use the lift and contact an Autolift agent or authorised workshop for the necessary inspections and repairs.



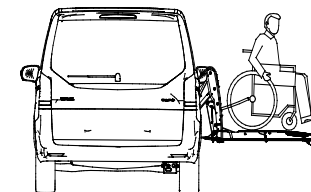
Read and comply with the labels and warning symbols fixed to the hydraulic lift or near the loading area of the vehicle used to transport wheelchairs.



When using the hydraulic lift, the occupant of the wheelchair should where possible face outwards; i.e. with the larger wheels facing the vehicle.



SAFE



UNSAFE



Make sure that the wheelchair is placed securely on the platform and does not extend over the edge or interfere with the operation of the anti-roll device.



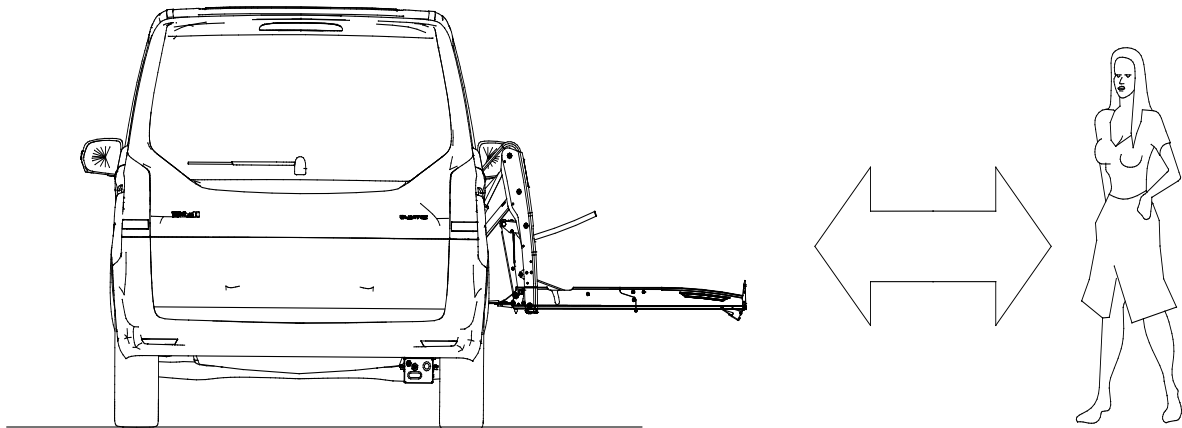
Do not work the platform with a load of over 350 kg.



**DO NOT PLACE ARMS, LEGS OR CLOTHING NEAR THE MOVING OR PROTRUDING PARTS OF THE PLATFORM.  
RISK OF CRUSHING AND SHEARING**

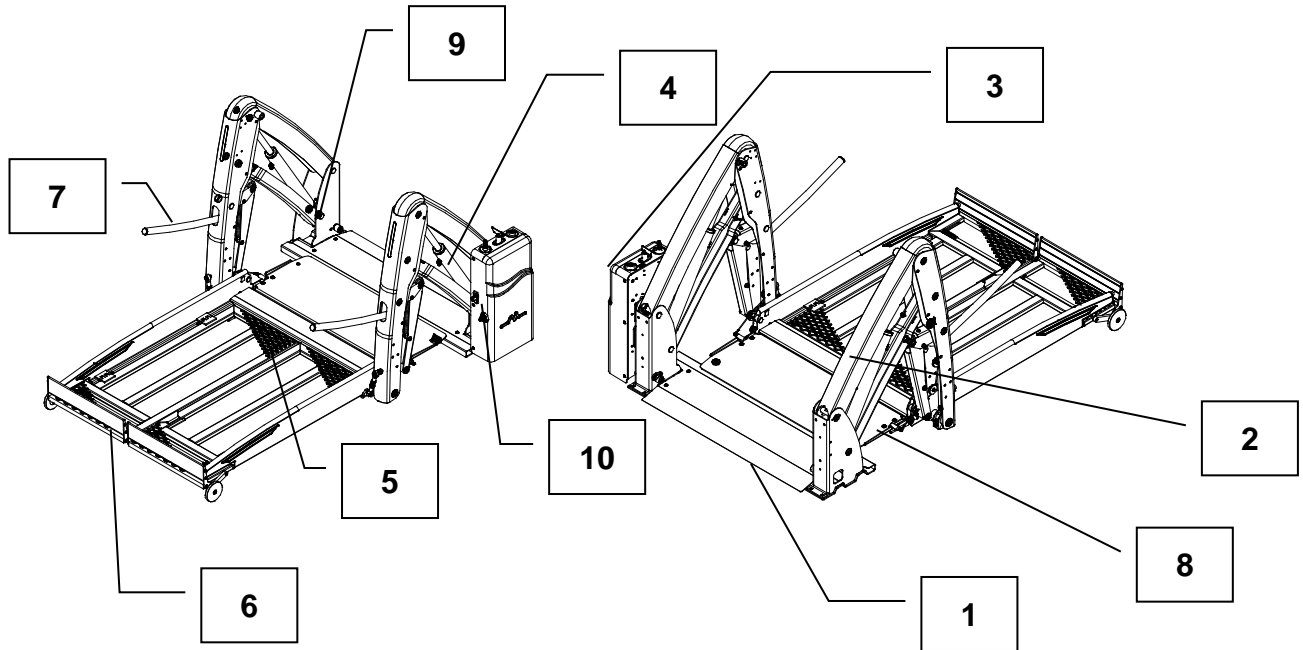


Unauthorised persons must not stand nearby during the use of the lift, and must not stand between the vehicle and the platform, even for quick checks with the platform at a standstill. These checks and adjustments must be performed exclusively by authorised Autolift staff.





## 2.1 COMPONENTS



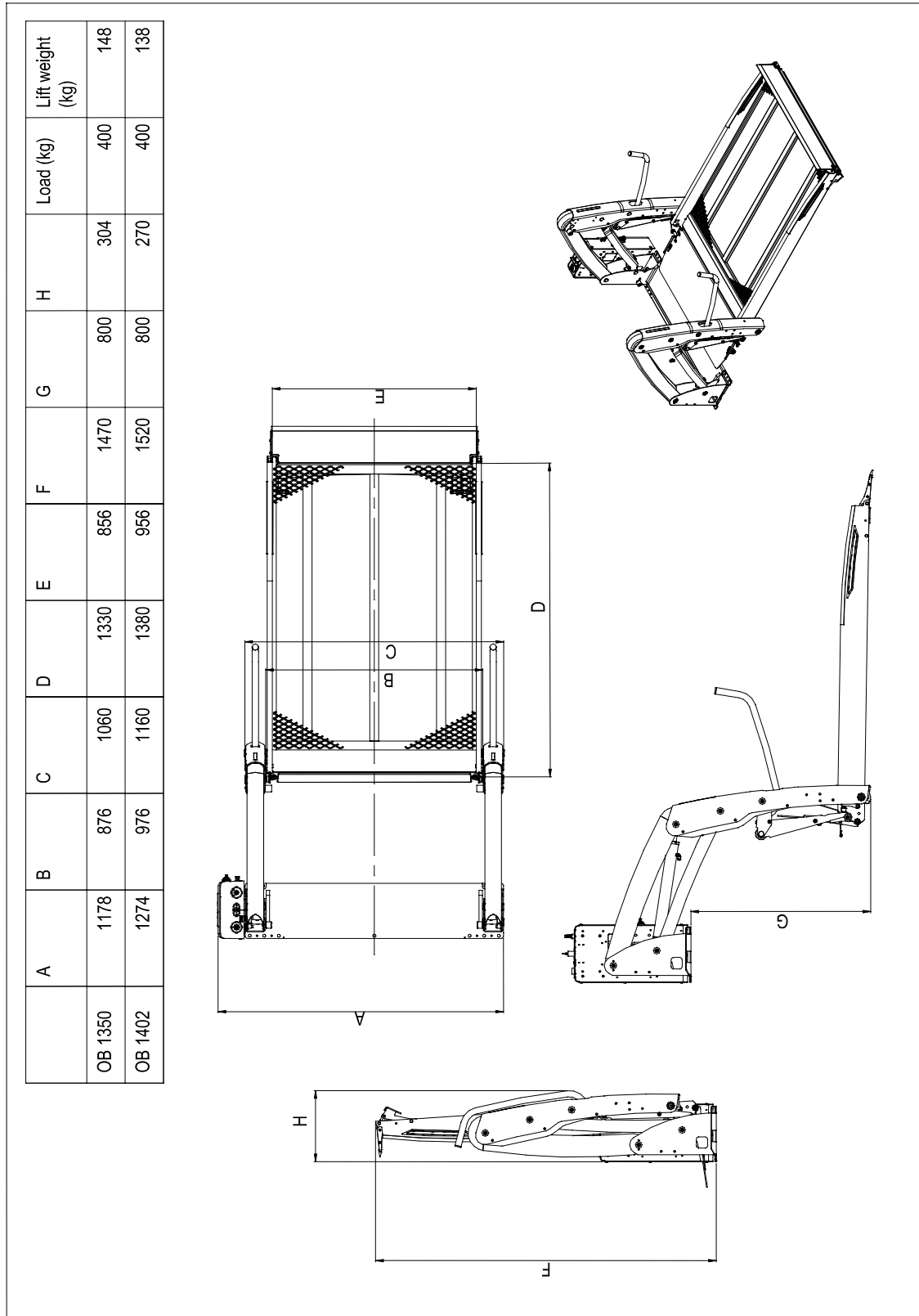
<b>1</b>	Vehicle fixing base
<b>2</b>	Lifting arms
<b>3</b>	Hydraulic power unit
<b>4</b>	Drive cylinders
<b>5</b>	Platform

<b>6</b>	Roll stop plate
<b>7</b>	Handrails
<b>8</b>	Bridge plate
<b>9</b>	Safety microswitch and cam
<b>10</b>	Emergency devices

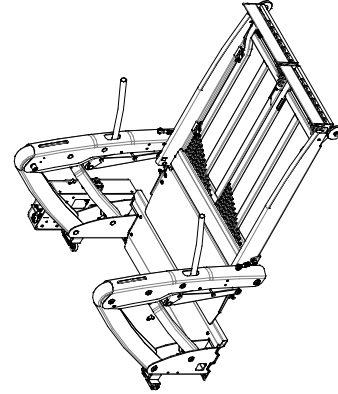
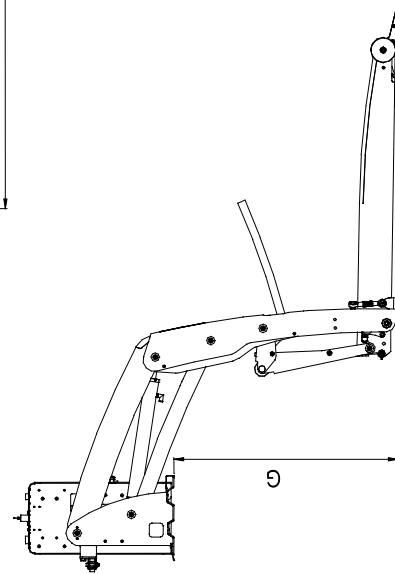
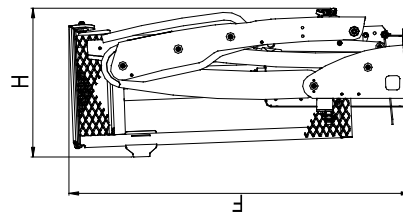
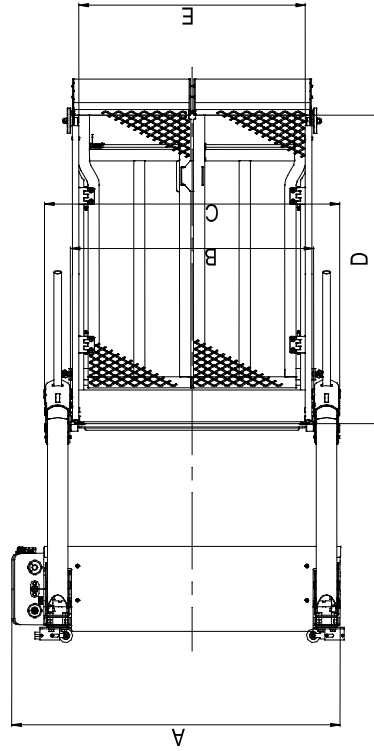


The drawing shown represents all models: OB – OW - OS

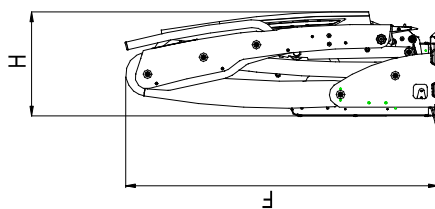
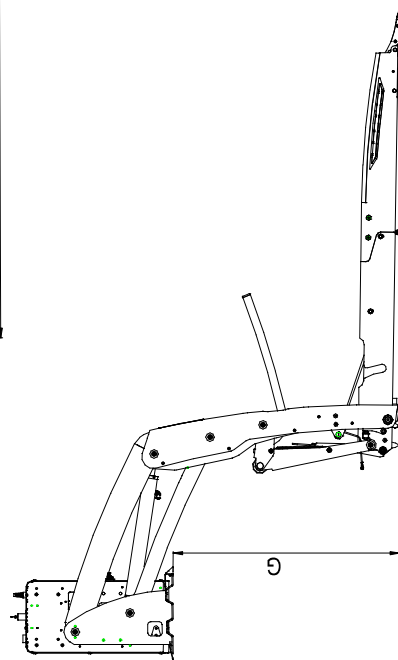
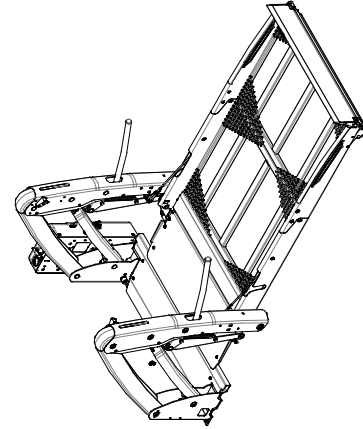
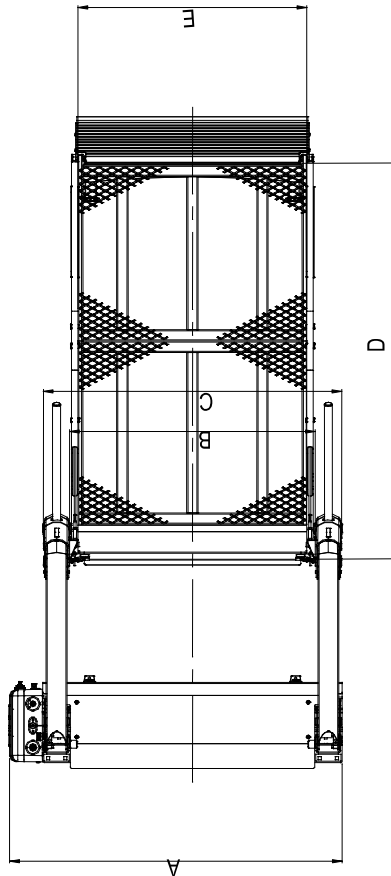
## 2.2 DIMENSIONS



	A	B	C	D	E	F	G	H	Load (kg)	Lift weight (kg)
OW 1060	1175	876	1060	1060	1060	856	1172	800	400	126
OW 1100	1175	876	1060	1110	1110	856	1222	800	400	145
OW 1320	1175	876	1060	1330	1330	856	1442	800	400	155



	A	B	C	D	E	F	G	H	Load (kg)	Lift weight (kg)
OS 1150	1076	772	955	1130	752	1108	796	337	400	122
OS 1395	1180	876	1060	1380	856	1108	796	337	400	149
OS 1495	1180	876	1060	1480	856	1108	796	340	400	155
OS 1500	1270	966	1150	1480	946	1108	796	340	400	160



## 2.3 TECHNICAL DATA

CARATTERISTICA		OB 1350	OB 1402
Capacity	Kg	400	400
Weight	Kg	153	163
Power supply	Volt	12/24	12/24
Max. pressure	bar	70	70
Platform	mm	810x1350	910x1400
Max. overhang	mm	800	800
Aux emergency pump		yes	yes
Airborne noise	dB(A)	< 70	< 70

CARATTERISTICA		OW 1060	OW 1100	OW 1320
Capacity	Kg	400	400	400
Weight	Kg	126	150	160
Power supply	Volt	12/24	12/24	12/24
Max. pressure	bar	70	70	70
Platform	mm	706x1060	810x1100	810x1320
Max. overhang	mm	800	800	800
Aux emergency pump		yes	yes	yes
Airborne noise	dB(A)	< 70	< 70	< 70

CARATTERISTICA		OS 1150	OS 1395	OS 1495	OS 1500
Capacity	Kg	400	400	400	400
Weight	Kg	122	155	166	166
Power supply	Volt	12/24	12/24	12/24	12/24
Max. pressure	bar	70	70	70	70
Platform	mm	706x1150	810x1400	810x1500	900x1500
Max. overhang	mm	800	800	800	800
Aux emergency pump		yes	yes	yes	yes
Airborne noise	dB(A)	< 70	< 70	< 70	<70

## 3.1 INTENDED USE

The lift is designed for installation on the loading floor of a vehicle designed for transportation of the disabled in wheelchairs, within the limits of the performances and capacities indicated in the technical characteristics.

The lift must only be used by an authorised and trained operator, known as the accompanying person, who possesses the knowledge and physical requirements to safely perform operations with disabled persons.

## 3.2 IMPROPER USE

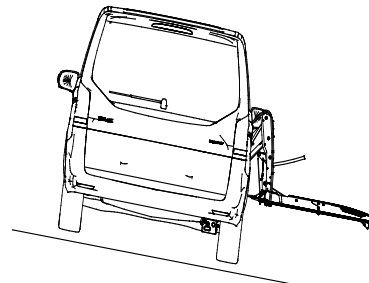
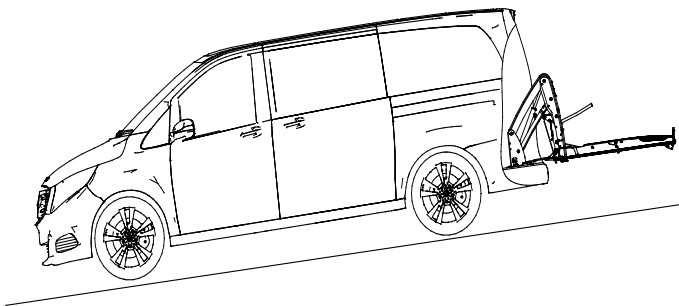
Anything that is not explicitly referred to in chapter 3.1 is considered **IMPROPER USE**.



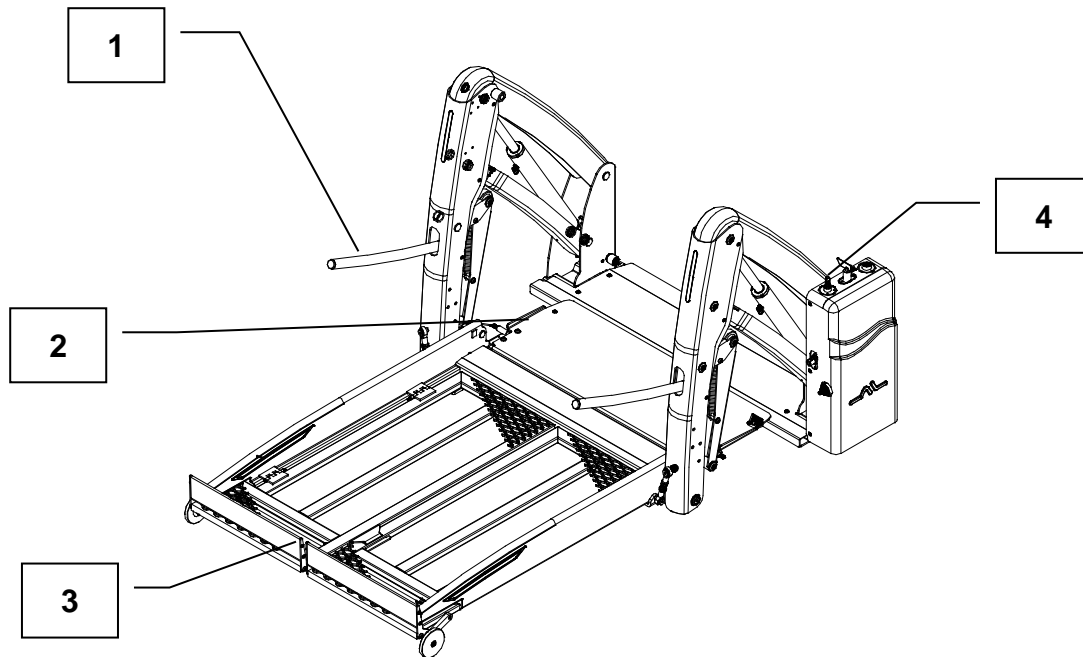
IT IS FORBIDDEN to climb onto the lift or any of its parts and go up or down while standing.

IT IS FORBIDDEN to use the lift to transport animals or objects.

IT IS FORBIDDEN to use the lift with the vehicle not parked on a flat surface.



**THE MANUFACTURER DECLINES ALL RESPONSIBILITY FOR DAMAGE CAUSED TO PERSONS OR PROPERTY OR TO THE LIFT ITSELF DUE TO ANY USE OTHER THAN THAT DESCRIBED IN THIS MANUAL.**



1	Handrail
2	Bridge plate
3	Roll stop plate
4	Hydraulic power unit safety devices: a) Overload limit valve b) Anti-tipping pressure switch



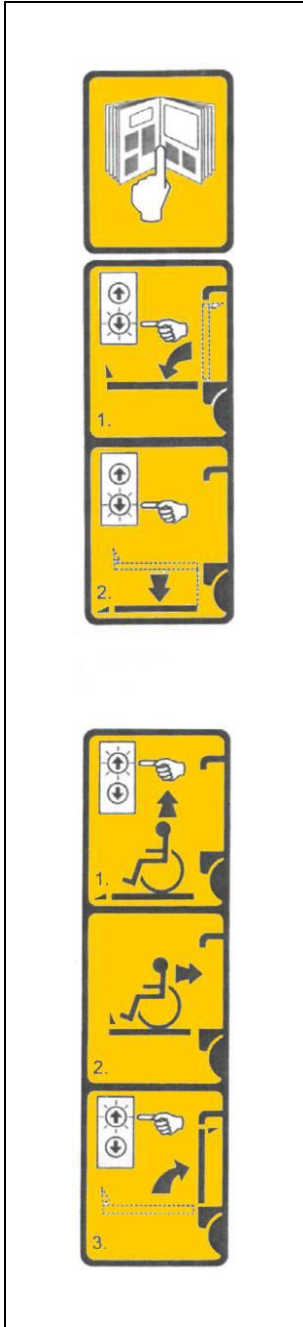
**IT IS FORBIDDEN TO ELIMINATE, REMOVE OR TAMPER WITH THE EXISTING SAFETY SYSTEMS.**



The anti-tipping pressure switch prevents the platform from closing when occupied by a wheelchair.



## THE LIFT HAS THE FOLLOWING MARKINGS



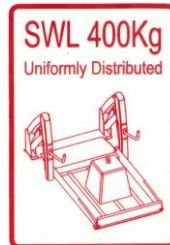
Do not lubricate, clean or adjust the device while moving



Do not remove the guards



Risk of crushing



Capacity, on three sides  
(only for Bsi PAS 12)



IT IS FORBIDDEN TO TAMPER WITH/REMOVE THE MARKINGS.



## 6.1 RECEIPT AND INSPECTION

On receipt of the lift, you must perform the following inspections:

- Check that the supply corresponds to the specifications ordered and the transport document.
- Check that the packaging is intact and that no parts have been broken or damaged during transportation.
- Carefully check that the devices have not been damaged during transportation and that no parts have been removed and/or tampered with.
- Check that all documentation necessary for installation has been provided.



**IF THE DELIVERED DEVICE DOES NOT COMPLY WITH THESE REQUIREMENTS, NOTIFY THE MANUFACTURER IMMEDIATELY.**

## 6.2 STORING AND NON-USE OF THE LIFT

If the lift is not used, proceed as follows:

- Store the lift in a sheltered area away from atmospheric agents.
- All electrical / electronic parts must be kept wrapped to protect from humidity.
- The storage temperature must be between +5°C and +50°C.
- All sliding parts (guides, cylinders...) must be protected from dust and rust.
- Do not store for over 6 months. For longer periods of storage, before putting into service contact the manufacturer to have the lift conditions inspected.



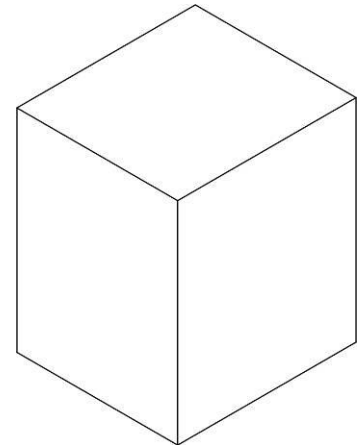
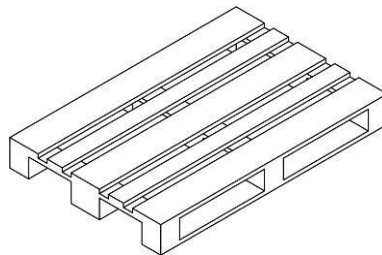
**STORAGE OF THE LIFT IN CONDITIONS THAT DO NOT COMPLY WITH THE ABOVE DESCRIPTION SHALL NULLIFY THE WARRANTY FOR ANY PARTS TO BE REPLACED.**



## 6.3 TRANSPORT

The lift must be transported using a vehicle (van, lorry, etc.) of an appropriate size and capacity.

The lift is shipped by the manufacturer packaged in a cardboard box or wooden crate anchored to a wooden pallet.



	<b>PALLET</b>	<b>VOLUME CC</b>	<b>CARTON PALLET</b>	<b>VOLUME CC</b>
OW 1060	45x120	90x120		120x43x135
OW 1100	45x120	90x120		120x43x135
OW 1320	45x120	90x120		120x43x135
OB 1350	45x120	90x120		120x43x135
OB 1402	45x130	90x130		130x38x165
OS 1150	45x120	90x120		120x43x135
OS 1395	45x120	90x120		120x43x135
OS 1495	45x120	90x120		120x43x165
OS 1500	45x130	90x130		130x38x165

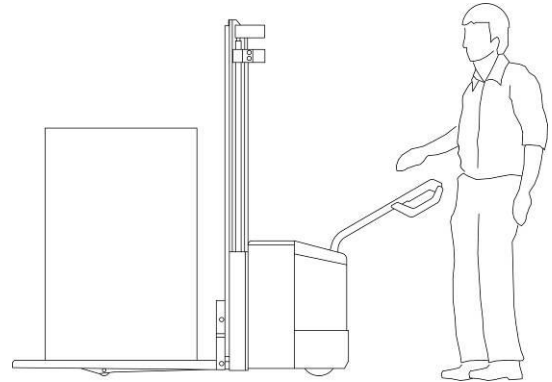


For the weight of each model, refer to the Technical Data chapter

## 6.4 HANDLING

The packaged lift must be handled by a transpallet, fork lift truck, etc.

The means used for safe handling must have a load capacity suited to the load to be transported (see weight indicated in the Technical Data table).



**HANDLING STAFF MUST WEAR: SAFETY SHOES WITH STEEL TOE CAP AND NON-SLIP SOLES.**



**MAKE SURE THAT NO UNAUTHORISED PERSONS ARE STANDING WITHIN THE RADIUS OF ACTION OF THE LIFTING/HANDLING MEANS (FORK LIFT TRUCK, TRANSPALLET, ETC.) DURING THE LIFTING, TRANSPORT AND HANDLING OPERATIONS.**

If a cardboard box has been used for packaging, to unpack the lift, cut the cardboard packaging with a stanley knife (max. blade length 1 cm) on the 4 sides of the base of the packaging, then lift and remove. Otherwise, if a wooden crate has been used, remove the nails from the wooden crate starting from the top and then remove the side walls.



**STAFF REMOVING THE PACKAGING MUST WEAR: SAFETY SHOES WITH STEEL TOE CAP AND NON-SLIP SOLES AND GLOVES.**

## 6.5 INSTALLATION ON A VEHICLE



Installation on a vehicle must be performed exclusively by Autolift staff or authorised installers.

Autolift declines all liability to damage to persons, property or the machine due to installation on a vehicle not performed by authorised persons.

### Installation of the Lift

Please remove the packaging film when the lift is still on the pallet. Please check that the lift correspond to your order and that all parts are delivered-

After that unscrew the lift from the Pallet. Through a fork lift or a crane take the lift from the pallet to the vehicle floor.

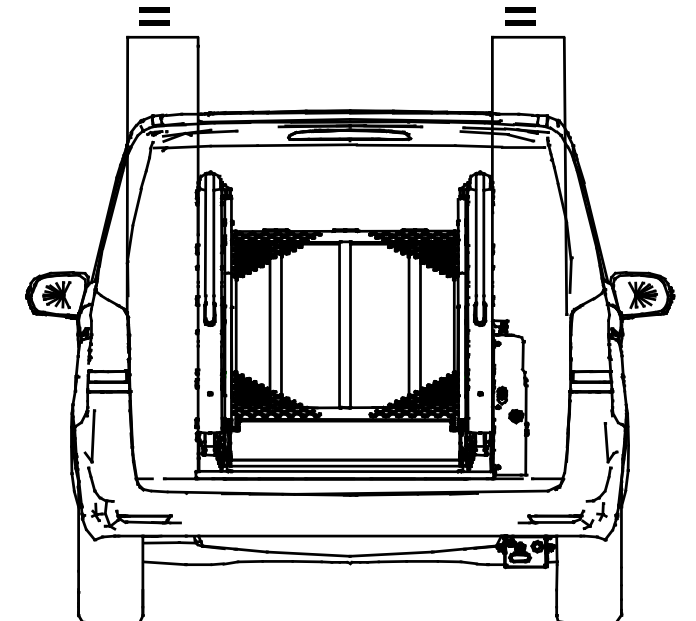
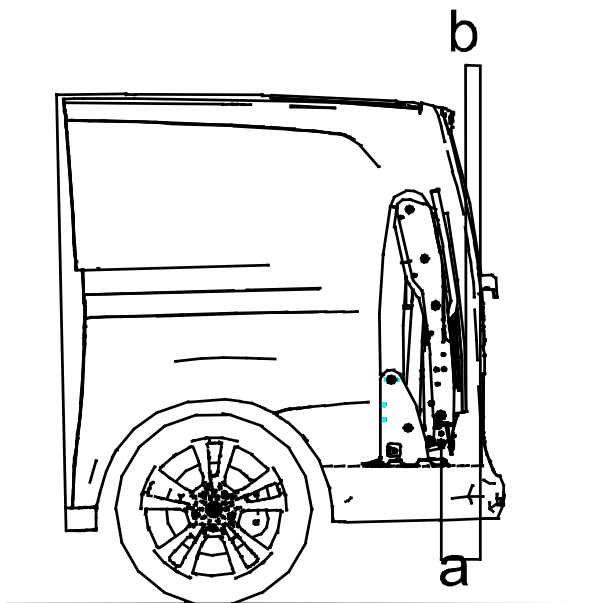
Put the lift in its position, close to the vehicle door.

### WARNING

#### USE TEMPORARY SUPPORTS TO GRANT THE STABILITY OF THE LIFT WHEN IT IS NOT FIXED

Please settle the lift position so that:

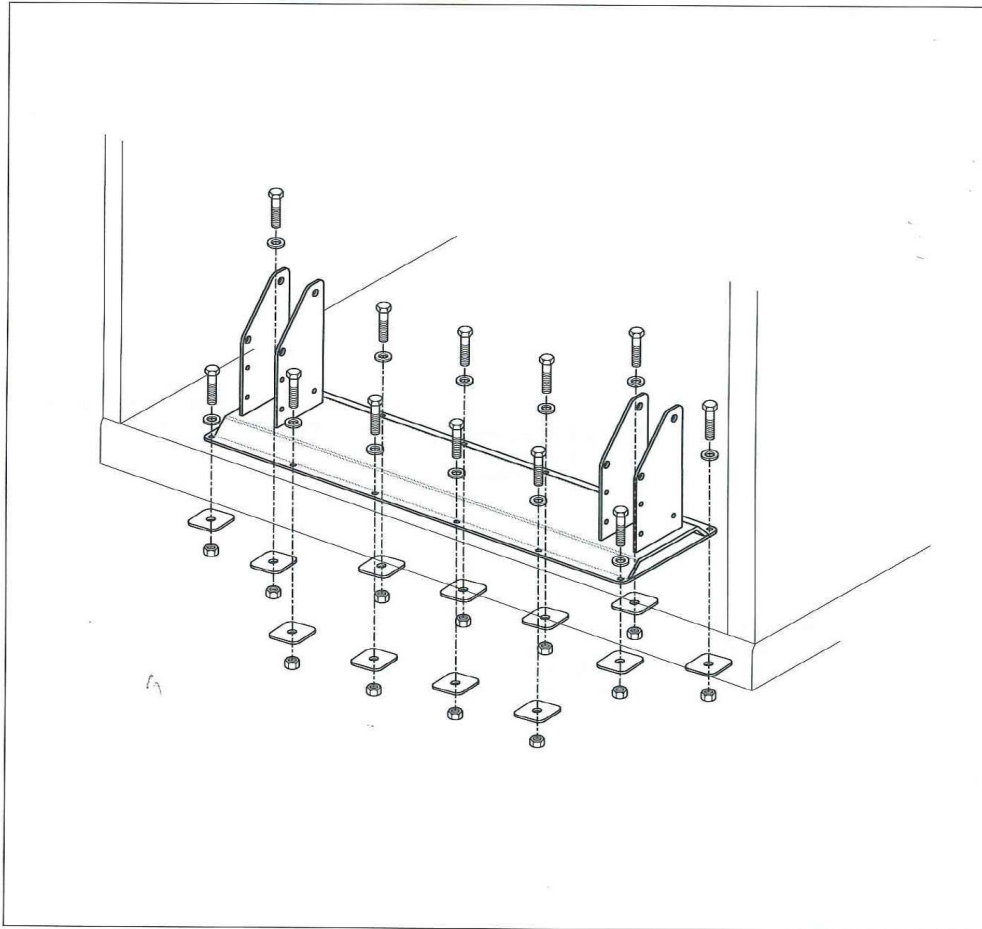
- The distance (a) between the base plate and the internal part of the door is minimum 50cm
- The minimum distance (b) between the handrails or between the platform and the door is min 20mm
- The platform in the centre with reference to the door opening or that it is decentralized in order to keep a minimum space of 30mm between the handrail and the door opening or the open door
- The handpump and its handle are accessible



- Mark the position of the fixing bolts and move the lift forward inside the vehicle
- Make the holes in the floor for the bolts
- Please move the lift to its fixing position and complete the mechanical installation

## BEWARE

**Make sure that the fixing bolts don't interfere with floor supports, suspensions supports or other important parts of the vehicle.**



## MECHANICAL INSTALLATION

- Every fixing points of the base plate must be used . Warranty won't be aknowledge in case that fixing screws are missing
- Use long bolts for the front fixation on both sides of the frame and for the fixing plates to be screwed under the frame.
- If possible, the square washers with short bolts must be placed close to the base of the frame reinforcements
- Reinforce the unsupported areas of the floor, in which you will screw the bolts
- Fill with distance plates the free space between wrinklings in the floor , that could be squeezed when you will tide the bolts or when the lift will be loaded.
- Don't bore the frame flanges, especially in the area in front of the suspension supports
- Together with the bolts please use nuts in nylon or nuts with suitable locking

## BEWARE

**Make sure that the fixing bolts don't interfere with floor supports, suspensions supports or other important parts of the vehicle.**

**Autolift is not responsible for an incorrect installation**

## 6.6 ELECTRIC INSTALLATION

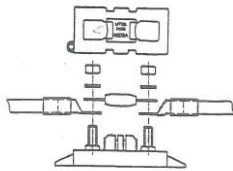
### Power wire

Connect the power wire,(RED) from the power supply to the Plus pole (+) of the battery

Connect a ground wire (BLACK) from the power supply to the minus pole (-) of the battery.

The plus wire (RED) should be protected through a protective sheath (not supplied) and fixed to the vehicle through clamps.

The supplied fuse will be connected between the power wire and battery plus pole (+) – see drawing



The plus wire (RED) should be protected through a protective sheath (not supplied) and fixed to the vehicle through clamps.

### BEWARE

**When possible follow the existing wiring**

**The needed clamps and terminals don't have to be fixed close to brake or fuel hoses; place the wire trying to avoid fuel tank, exhaust system and suspended parts of the vehicle.**

**Avoid wire rubbing against sharp edges. Use Eyelet to introduce wires into the structure**



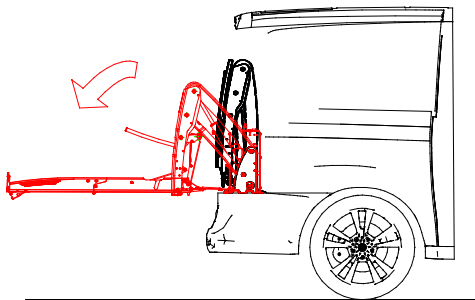
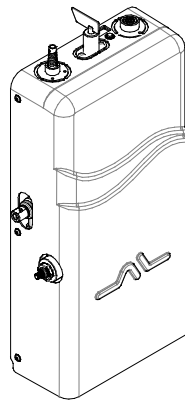
**DON'T FIX THE WIRE TO BRAKE OR HIDRAULIC HOSES.  
CONNECT THE BATTERY JUST AFTER FINISHING ALL PROCEDURES.**

## 7.1 NORMAL USE

The AUTOLIFT SKY electro-hydraulic lift control has a wired portable remote control, equipped with two push buttons indicating the two operating states.

The fundamental purpose of the push-button panel is to control the four distinct lift operations (open - down - up - close) in just two control buttons.

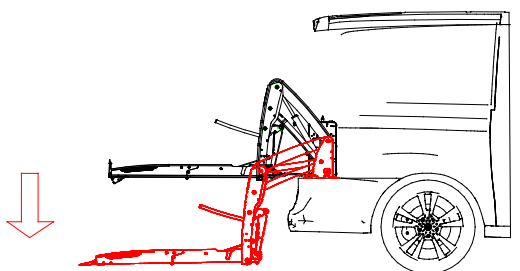
This is done by a special electrical system which uses a timer-operated consent technology. Simply and safely it prevents you from having to change button for every different lift movement and from entering the wrong command.



Hold down the lower button (down arrow) and the lift opens from the vertical storage position to rest in a horizontal position parallel to the floor of the vehicle it is installed on.



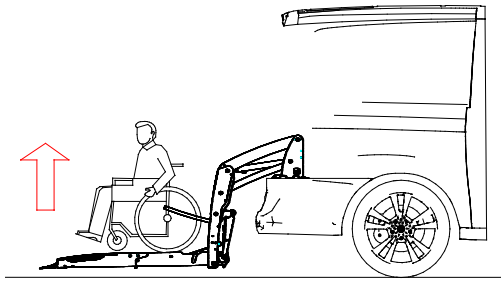
After opening, the lift stops automatically.



To lower the lift to the ground, press the down arrow button again: the platform descends slowly to the ground (the anti-roll device lowers automatically when the platform touches the ground).

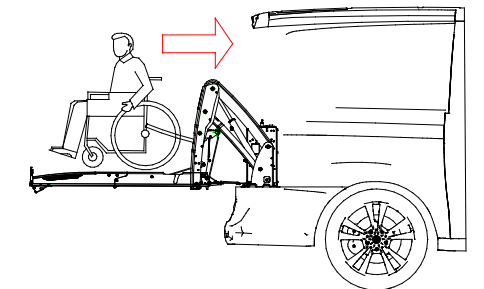




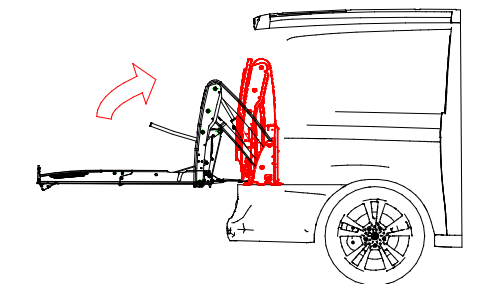


To raise the lift, press and hold down the button with the up arrow, in the upper part of the push-button panel.

The anti-roll device rises automatically when the platform lifts off the ground.



The lift stops automatically when it reaches the height of the floor of the vehicle.



To stow the platform in the vertical position in the installation compartment press the button with the up arrow again.



**WHEN THE OPERATOR INTENDES TO STAND ON THE PLATFORM, POSITION THE WHEEL CHAIR INSIDE THE PLATFORM WITH SUFFICIENT SPACE TO AVOID THE RISK OF FALLING**

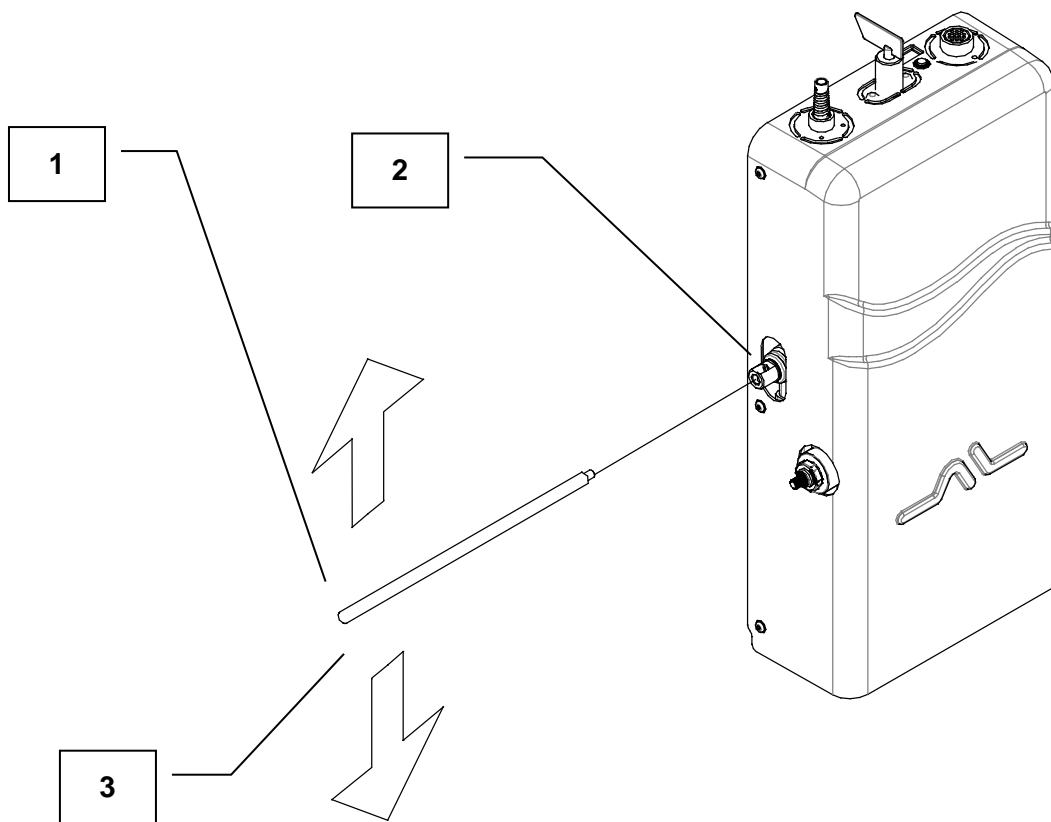


**DO NOT INSERT HANDS OR FINGERS INSIDE THE MECHANISM DURING OPERATION. DANGER OF CRUSHING AND SHEARING**

## 7.2 USE IN EMERGENCY CONDITIONS

### 7.2.1 UP - CLOSING

The back up manual pump is used to drive the lift in case that there is no electric power. This device consists of a manual pump built on the power unit and the handle to activate the pump to lift the platform, screw the pump handle (1) in the manual pump housing (2).

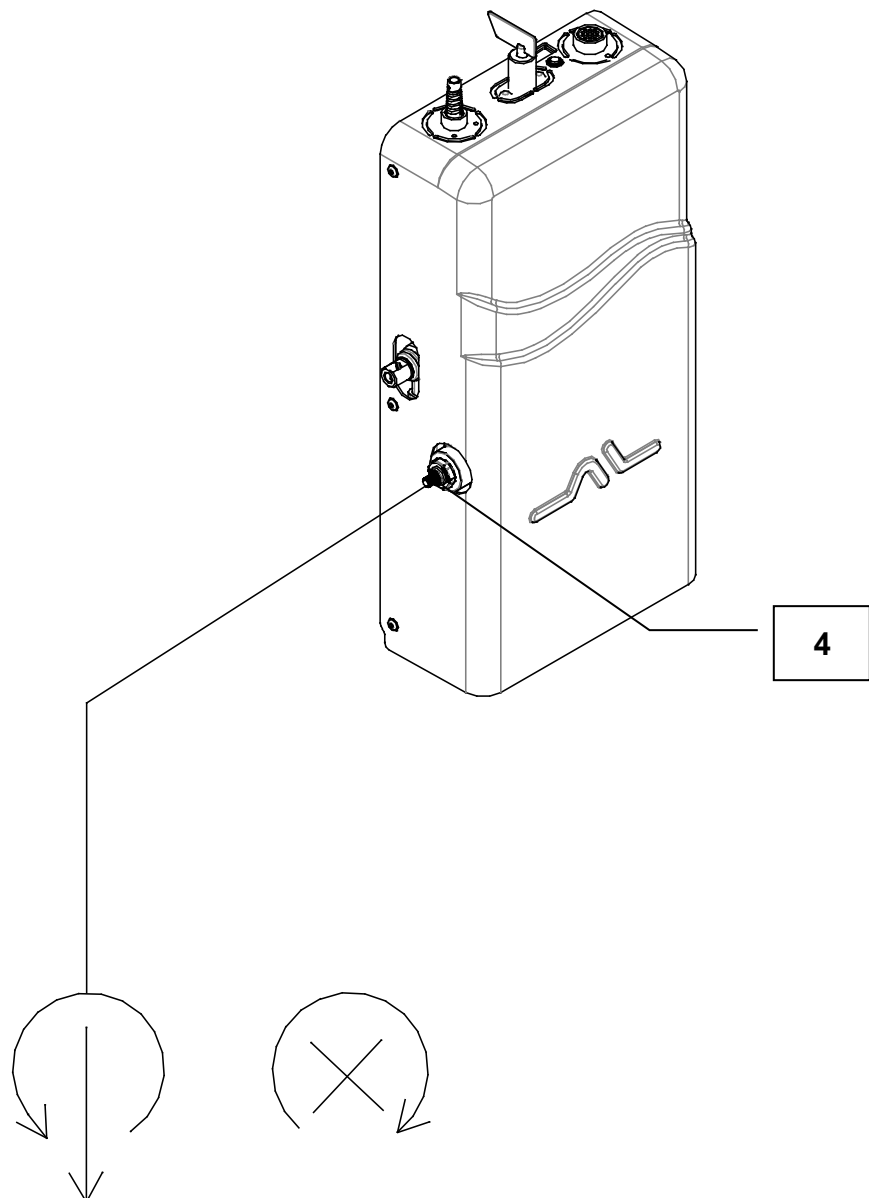


Move the handle up and down (3) to raise the platform up to the point of full closure.

After the operation, replace the handle (1) in its fixing points and contact your Autolift Dealer or authorised converter.

## 7.2.2 OPENING - DOWN

To open and lower the platform use the emergency knob **(4)** that is placed at the side of the hand pump



To open and lower the platform turn anti-clockwise the emergency knob.

After completing the operation , turn back the emergency knob in the original position.

Please double check that the emergency device is well tightened, in order to avoid any possible leakage



## CLEANING

8

Lift

DEVICE

ONDA

MODEL

The lift must be cleaned by hand using a cloth soaked in non-aggressive detergent and then rinsed with a cloth dampened with water.



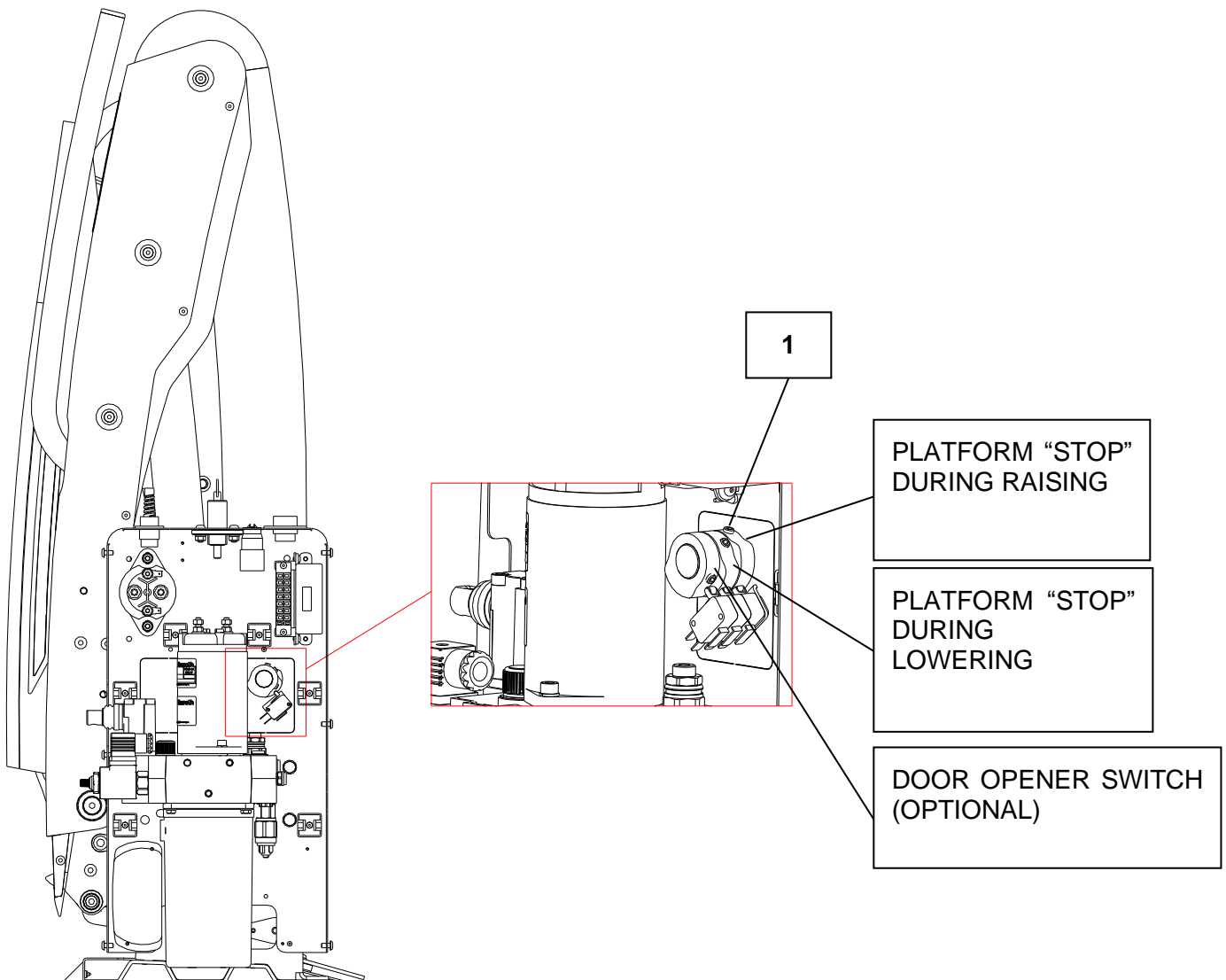
**DO NOT USE AGGRESSIVE DETERGENTS.  
DO NOT USE WATER JETS OR HOT WATER JET CLEANERS.**

## 9.1 SETTING OF THE FLOOR LEVEL

The floor level stop position can be changed, repositioning the microswitch cams

This adjustment will be executed this way:

- Unlock fixing screw (1)
- Rotate Cam
- Tight fixing screw (1)



## 10.1 PERIODIC INSPECTION



**PERIODIC INSPECTIONS MUST ONLY BE PERFORMED BY SUITABLY QUALIFIED PERSONS.**

Every 12 months the user must have the lift inspected by a suitably qualified technician.

The inspections consist of a visual inspection to check the:

1. Load-bearing frame; Roll Stop and Bridge plate
2. Lifting mechanism and relative couplings;
3. Controls;
4. Safety devices;

The inspections must also include:

1. Operating tests;
2. Maintenance;
3. Adjustments.
4. Every periodic inspection must include a load test with (1) lifting cycle at maximum load (simulated).

Any comments concerning the safety of the lift must be recorded in a specific register (see enclosed facsimile) which the user must keep safely for reference in the event of an incident.

The inspection records must also include the following information:

- Inspection date;
- ID details and serial number of the inspected lift;
- Next inspection date;
- Identification and signature of the person responsible for the inspection.

If the periodic inspection highlights any defects, signs of wear or other damage which could compromise the safety of the lift. In the event of an immediate safety hazard, the user must place the lift out of use until the fault has been eliminated.

Defects or damages must be reported to the manufacturer AUTOLIFT srl which will take any appropriate measures.



Inspection must be reported in the appropriate register attached to this document



# MAINTENANCE

10

Lift

DEVICE

ONDA

MODEL

## 10.2 FREQUENCY OF CONTROLS

Operation	Frequency		
	Daily	Monthly	Yearly
Frame check / Bridge and Rollstop and plates	✓		
Operation check	✓		
Controls check	✓		
Oil level check			✓
Emergency devices check		✓	
Plates and labels check			✓
Joints check		✓	
Wiring check		✓	



It's mandatory after major structural repairs to carry out the load test sas indicated in annex F of the EN ISO 1756-2 standard.

Contact the manufacturer about it.



## DEMOLITION AND DISPOSAL

11

Lift

DEVICE

ONDA

MODEL



When disposing of the machine, comply with the procedures imposed by the law in force.

Generally the machine should be disassembled to group homogeneous materials together.

Specific materials such as lubricants, electrical / electronic components, must be disposed of according to specific laws.



**YOU MUST DESTROY THE MACHINE ID PLATES AND ALL OTHER CONNECTED DOCUMENTS.**



The troubleshooting table below helps to solve any operating failures.



For any failure that is not listed below or that is due to mechanical or hydraulic damage, please contact the nearest authorised service point.

FAILURE MODE	CAUSE	SOLUTION
The platform does not move	Main power switch positioned on OFF	Position main power switch on ON
	Hydraulic power pack fuse open	Reset fuse
	Main fuse is blown	Replace main fuse
	Electronic control unit fuse is blown	Replace fuse of the electronic control unit
	Pendant switch is faulty	Replace pendant switch
	Intermittent power on the solenoid line	Restore continuous power to the solenoid line
	Platform hinges blocked (models SKY and BBW)	Lubricate with oil and grease
	Lowering valve solenoid defective	Replace solenoid
	Lowering valve broken	Replace the lowering valve
	Electronic control unit broken	Replace the electrical control unit
The platform movement is not aligned	Cylinder valve occluded	Clean off any dirt
	Cylinder gasket damaged	Replace the gasket
	Hydraulic cylinder damaged	Replace the cylinder
The platform does not stop at the loading surface when opening (item 9 in list of components)	Micro M1 not connected correctly	Correctly connect the control wire
	Intermittent power on the micro M1 line	Restore continuous power to the micro M1 line
	Micro M1 cam not adjusted correctly	Correctly adjust the micro M1 cam
	Micro M1 broken	Replace the micro M1
The platform does not descend	Pendant switch is not connected or faulty	Connect or replace pendant switch
	Intermittent power on the solenoid line	Restore continuous power to the solenoid line
	Lowering valve solenoid defective	Replace solenoid
	Lowering valve broken	Replace the lowering valve
	Flow control valve is occluded	Clean off any dirt
	Electronic control unit broken	Replace the electronic control unit



# TROUBLESHOOTING

# 12

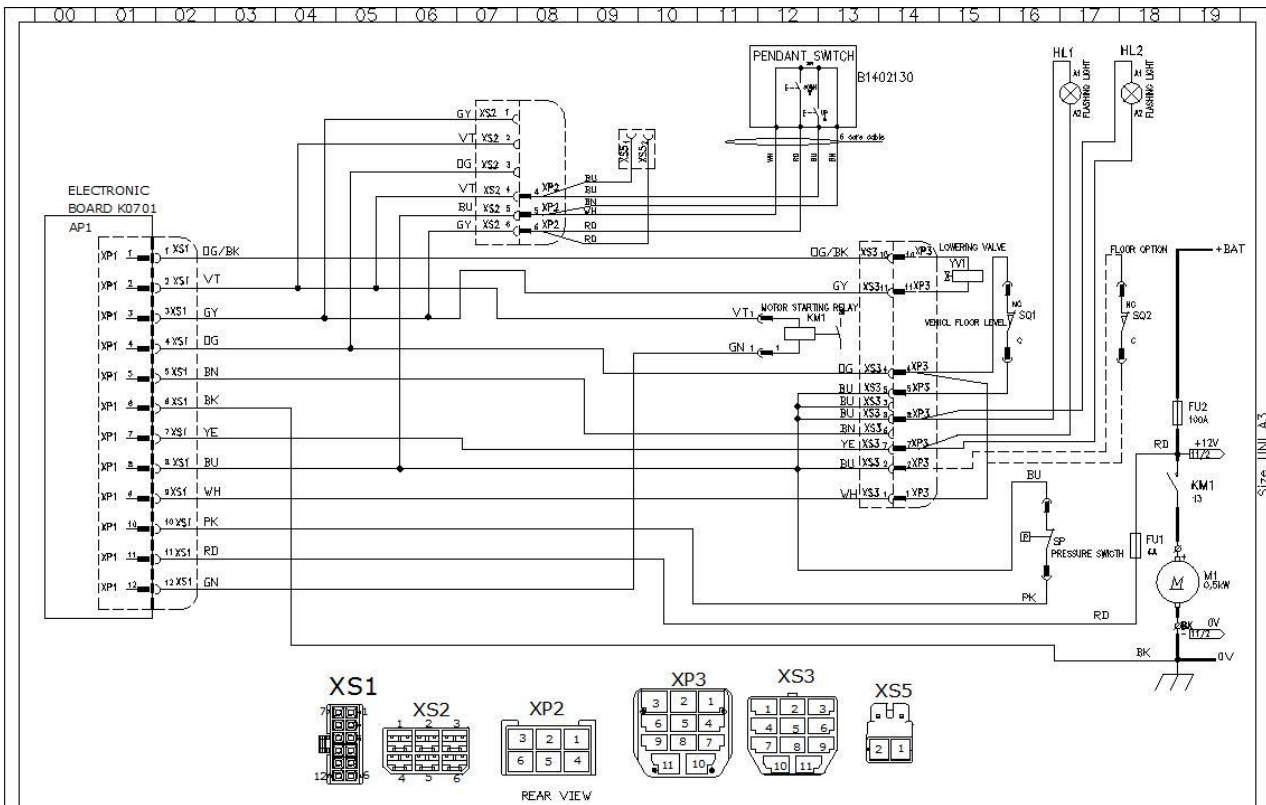
Lift

DEVICE

ONDA

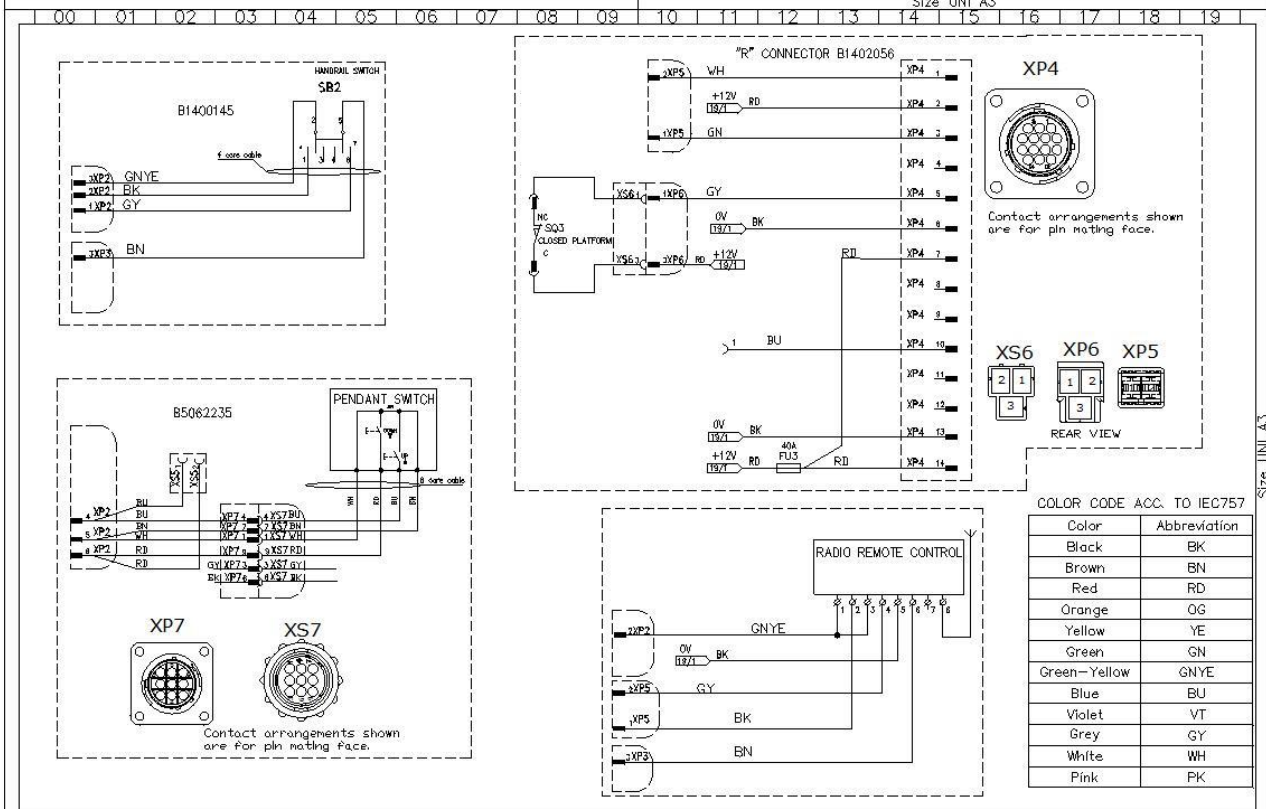
MODEL

FAILURE MODE	CAUSE	SOLUTION
The platform does not rise	Lowering valve emergency screw not tight	Tight emergency screw
	Lowering valve broken	Replace the lowering valve
	Power pack starting relais broken	Replace power pack starting relais
	Hydraulic power pack defective	Replace Hydraulic power pack defective
	Pendant switch is faulty	Replace pendant switch
	Electronic control unit broken	Replace the electronic control unit
	Insufficient battery charge	Charge the battery
	Dirty earth connection	Clean the earth connection
	Hydraulic power pack broken	Replace the hydraulic power pack
The platform does not stop at the loading surface when rising	Micro M1 not connected correctly	Correctly connect micro M1
	Intermittent power on the micro M1 line	Restore continuous power to the micro M1 line
	Micro M1 cam not adjusted correctly	Correctly adjust the micro M1 cam
	Micro M1 broken	Replace the micro M1
The platform does not close	Lowering valve emergency screw not tight	Lowering valve emergency screw not tight
	Pressure switch not adjusted correctly	Adjust the pressure switch
	Lowering valve broken	Replace the lowering valve
	Power pack starting relais broken	Replace power pack starting relais
	Hydraulic power pack defective	Replace Hydraulic power pack defective
	Pendant switch is faulty	Replace pendant switch
	Electronic control unit broken	Replace the electronic control unit
The platform does not close completely	Pressure switch not adjusted correctly	Adjust the pressure switch



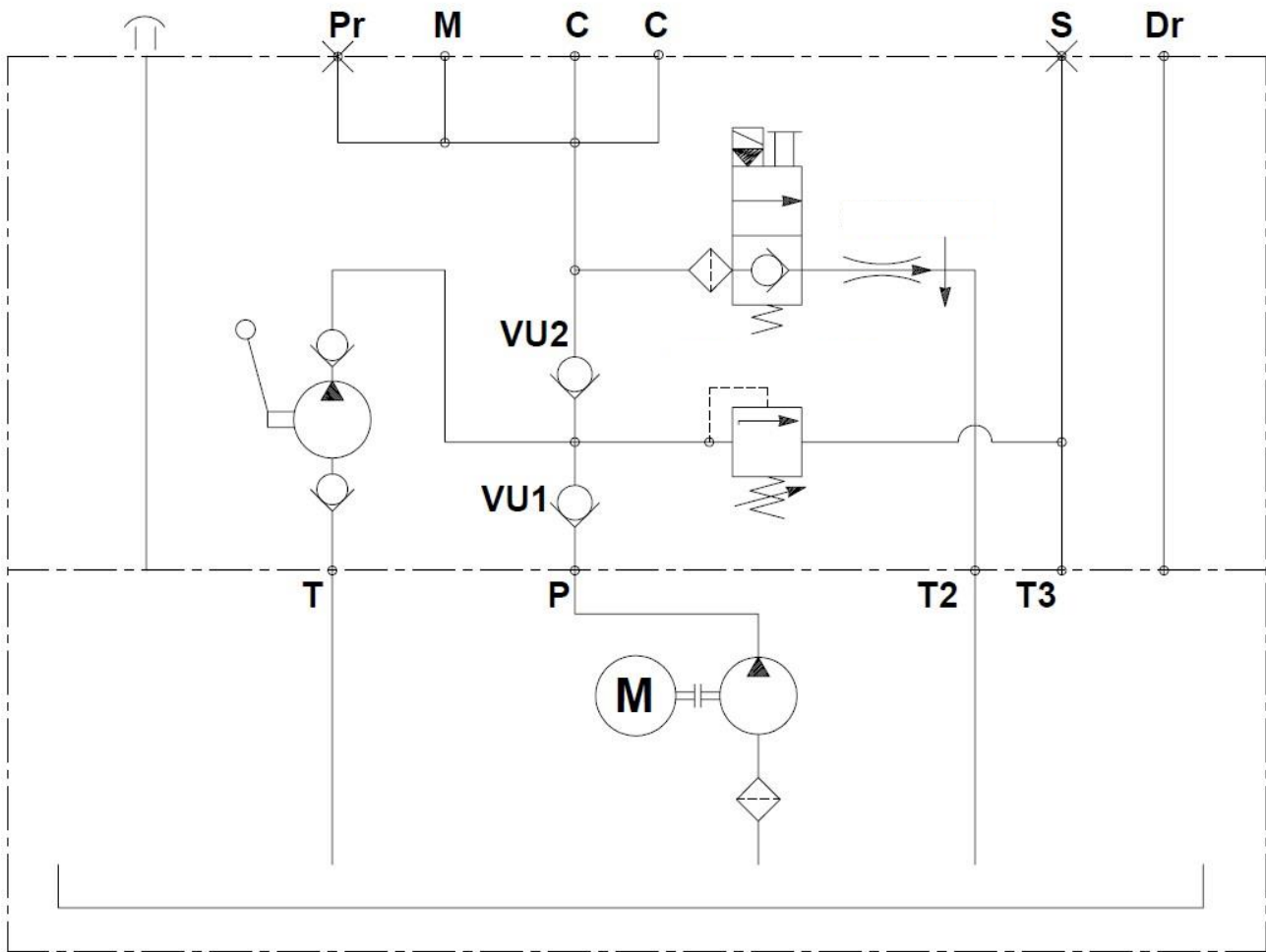
Electrical system: STANDARD WIRING DIAGRAM  
Application: TWIN-ARMS WHEELCHAIR LIFTS

DWG NO: B1402052  
Date: 01/08/19  
Sheet: 1 of 2



Electrical system: OPTIONAL WIRING DIAGRAM  
Application: TWIN-ARMS WHEELCHAIR LIFTS

DWG NO: B1402052  
Date: 01/08/19  
Sheet: 2 of 2





For spare parts, contact the Autolift Srl spare parts department by submitting the following form.



# SPARE PARTS REQUEST FORM

<b>FROM</b>		<b>Mr.</b>	
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**SPARE PARTS DEPARTMENT**  
**Fax +39 (0)376 553728 – mail: info@autoliftsrl.com**

DESCRIPTION	Qty

<b>PRIORITY</b>	URGENT <input type="checkbox"/>	NORMAL <input type="checkbox"/>
<b>SHIPMENT</b>		
<b>PAYMENT</b>		
<b>DESTINATION</b>		
SIGNATURE		DATE