

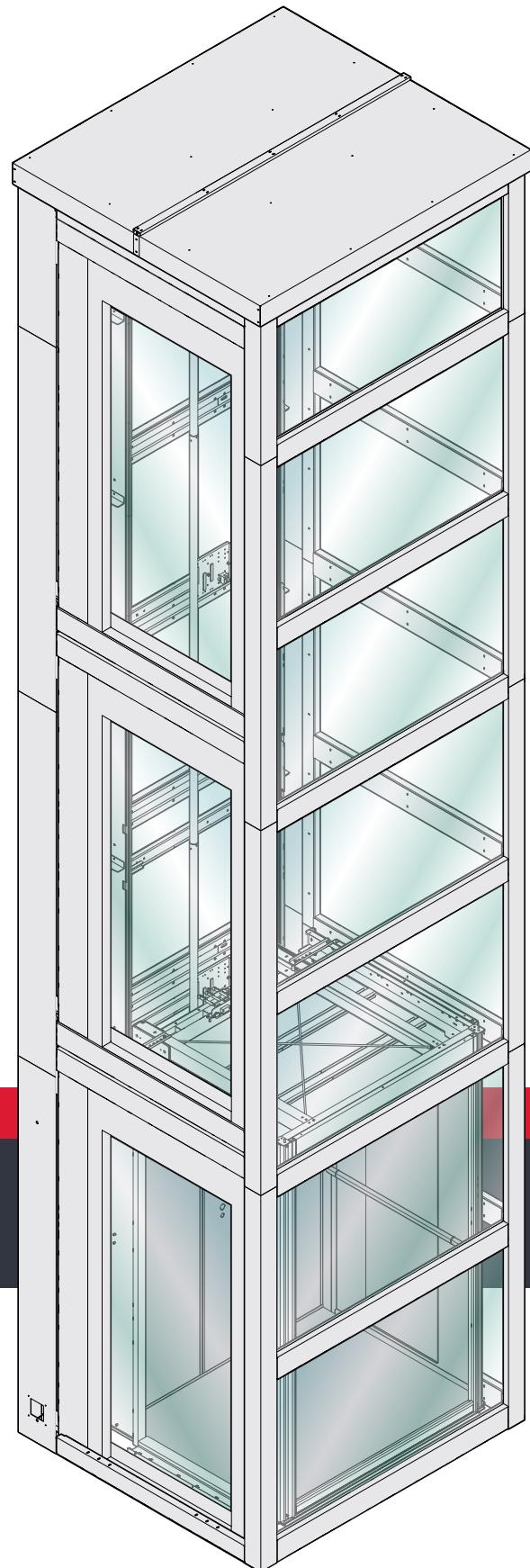
SimpLift®

in Cross 50.2 structure and masonry shaft

*Electric screw driven Homelift
with car*

MAINTENANCE INSTRUCTIONS

(Rev.0)



sample image



AREALIFTING®

THE VERTICAL MOBILITY MANUFACTURER

SimpLift® - Cross 50.2 structure and masonry shaft
ELECTRICAL EQUIPMENT (U.D.E.C.) - INSTALLATION AND DIAGNOSTIC INSTRUCTIONS

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WHITE PAGE

1. Manual reading guide

IMPORTANT!



EN: Translation of the original instructions

This product may only be commissioned if these instructions are available to you in an official EU language that you understand and you have understood the contents. If this is not the case, please contact your Lifting Italia S.r.l. contact partner.

READ THIS MANUAL CAREFULLY

BEFORE INSTALLING AND USING THE PRODUCT

Retain the technical documentation near the lifting platform for the entire lifecycle of the product. In case of change of ownership, the technical documentation must be provided to the new user as an integral part of the product.

1.01. Preliminary information

NOTICE

	<p>This product must be installed and put into operation according to the provisions and regulations in force. Improper installation or improper use of the product can cause damage to people and property, as well as cause the warranty to lapse.</p>
	<p>FOLLOW THE SUGGESTIONS AND RECOMMENDATIONS TO OPERATE IN SAFETY. Any unauthorized modification can compromise the safety of the system, as well as the correct operation and the life of the machine. If you have any doubts regarding the correct understanding of the information and contents contained in this manual, contact LIFTING ITALIA S.r.l. immediately.</p>
	<p>QUALIFIED PERSONNEL. The product covered by this documentation can only be installed by qualified personnel, in compliance with the attached technical documentation, above all in compliance with the safety warnings and the precautions contained therein.</p>

1.02. Personal security and risk recognition

This manual contains safety rules that must be observed to safeguard personal safety and to prevent damage to the property.

The indications to be followed to guarantee personal safety are highlighted by a triangle symbol while those to avoid material damage are not preceded by the triangle. The hazard warnings are shown as follows and indicate the different levels of risk in descending order.

RISK CLASSIFICATION AND RELATIVE GRAVITY OF DAMAGE	
DANGER	The symbol indicates that the failure to comply with appropriate safety measures causes death or serious physical injury.
WARNING	The symbol indicates that the failure to observe the corresponding safety measures can cause death or serious personal injury.
CAUTION	The symbol indicates that failure to observe the relevant safety measures can cause minor or moderate personal injury or damage to the device.
NOTICE	It is not a symbol of security. It indicates that the failure to comply with relevant safety measures can result in property damage.
INFORMATION	It is not a symbol of security. It indicates important information.

If there are multiple levels of risk, the danger warning always indicates the highest one. If a warning is drawn with a triangle to warn of the risk of injury to persons, the risk of possible property damage may also be caused at the same time.

WARNING	
	During installation / maintenance of the platform, the safety functions are temporarily suspended. Therefore all necessary precautions must be taken to avoid personal injury and / or damage to the product.

2. Safety and information Signs

2.01. DANGER Signs

	GENERAL DANGER		ELECTRICITY DANGER		DANGER FLAMMABLE MATERIAL
	DANGER OF FALL BY A LEVEL		DANGER SUSPENDED LOADS		DANGER OF CRUSHING

2.02. PROHIBITION Signs

	GENERIC PROHIBITION		FORBIDDEN TO STEP ON		PROHIBITED TO WALK ON OR STOP IN THIS AREA
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2.03. MANDATORY Signs

	OBLIGATORY TO WEAR THE PROTECTION HELMET		OBLIGATORY TO WEAR SAFETY SHOES		OBLIGATORY WEAR THE PROTECTIVE GLOVES
	OBLIGATORY TO WEAR EYE PROTECTION		OBLIGATION TO WEAR THE AUDIO PROTECTION		

2.04. Information symbols and infographics

	MARK		DRILL AND/OR SCREW		CUTTING AND/OR GRINDING
	MEASURE		APPLY RIVETS		USE SUCTION CUPS
	USE THE HAMMER		LEVELING		USE HOIST

	INFORMATION Symbol that identifies information that is useful to the installer but is not mandatory for the installation, nor does it pose a risk to the user..
	IMPORTANT! Symbol that identifies information that is important but is not mandatory for the installation, nor does it pose a risk to the user.
	ELECTRICAL CONNECTIONS Symbol that identifies the connection of an electrical component.

3. Liability and warranty conditions

RESPONSIBILITY OF THE INSTALLER	
IMPORTANT!	
	<p>Installers are responsible for ensuring compliance with safety procedures at work and any health and safety regulations in force in the country and on the site where the assembly is carried out.</p>
	<p>The persons authorized to carry out installation, maintenance, and rescue operations are those in possession of an elevator maintenance authorization certificate, issued according to the regulations in force in the country where the assembly is carried out.</p>

The elevator / platform (and each of its components) is produced and intended to be installed as described in the attached project drawing and in this manual; any divergence from the prescribed procedure may affect the operation and safety of the system and cause the immediate cancellation of the warranty.
Any modification or variation made to the project and the to the assembly Instructions must be documented in detail and referred to LIFTING ITALIA S.r.l., in order to allow the company an adequate assessment. Under no circumstances can a modified system be activated without the express authorization of LIFTING ITALIA S.r.l.
The elevator / platform must only be used in the way envisaged by the system and illustrated in the relative manuals (transportation of people and / or things, maximum loads, cycles of use, etc.). LIFTING ITALIA S.r.l. assumes no responsibility for damage to persons and property caused by improper use of the system.

	Pictures and images on this manual are for illustration purposes only.
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4. General requirements and installation site management

4.01. General requirements

IMPORTANT!



For more information on safety, liability and warranty conditions, receipt and storage of material on site, packaging, waste disposal, cleaning and storage of the product; refer to the "SAFETY INSTRUCTIONS AND SITE MANAGEMENT" manual.

NOTICE



PRELIMINARY CHECKS.

Once the packaging has been opened, check that the product is intact and has not been damaged during transport. Should any anomalies or damage be found, please dispatch them in writing on the transport document to the transport company, giving written notice to LIFTINGITALIA S.r.l.

WARNING

SAFETY AND SITE MANAGEMENT - OVERALL DISPOSITIONS:	
	<ol style="list-style-type: none"> 1. Always secure tools and any objects against falling; 2. Pay the utmost attention to all the steps described in this; 3. While assembling the parts making up the system or after installation, be careful of any sharp burrs (machining residues). <ul style="list-style-type: none"> • Before proceeding with the installation, it is necessary to remove any rubble and material deposited during the construction of the shaft. • Only nuts and bolts included in the supply must be used. • The bags containing the screws must be opened in correspondence with the respective operating phases indicated in this manual. • The instructions described in this manual refer to a reinforced shaft, to a fastening with mechanical expansion plugs of the stud type. For the use of plugs in masonry other than the reinforced concrete see the attachment to this manual. For the shafts with metal framework, we proceed by replacing the plugs with normal screws. • In these instructions and on the wiring diagram, the stops are indicated with 0, 1, (2, 3 etc.), meaning "0" the lowest stop: the numbers on the push-button panels may be different according to the user's needs (for example - 1, 0, etc.)..

CAUTION

	<p>The assembly must be performed by a MINIMUM 2 people</p>	<p>Use a suitable lifting equipment for handling the components if the load is greater than 50kg</p>
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5. Preliminary verifications

5.01. Preliminary safety checks

WARNING	
	<p>BEFORE STARTING INSTALLATION/MAINTENANCE, IT IS NECESSARY:</p> <ul style="list-style-type: none">• Verify that the mains electrical system is compliant and properly earthed. <u>If this is not the case, interrupt the installation until the customer has brought the installation up to standard.</u>• Ensure the presence of an efficient lighting system at the installation site.• Check the cleanliness of the compartment and pit and that no liquids (water, oil, ...) are present at the bottom.• Ensure that entrances to work areas are properly closed.• Check that all holes and housings for electrical cables are free, inspectable, well finished and dry.• Check that there is adequate ventilation for the smoke exhaust.

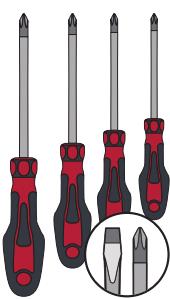
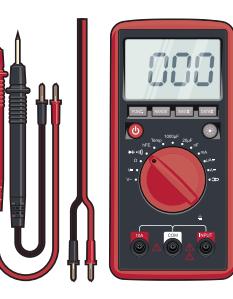
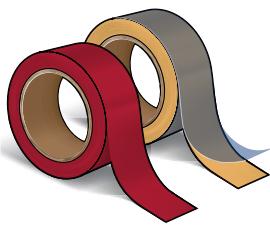
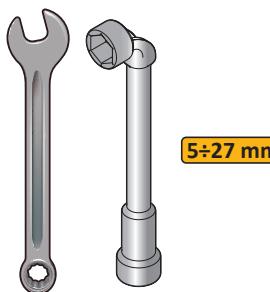
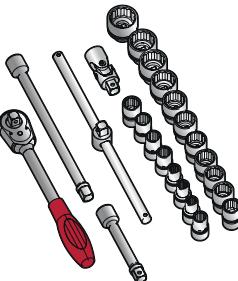
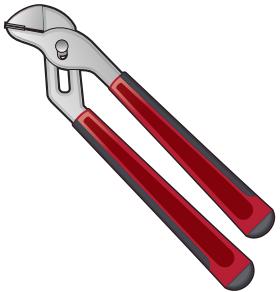
5.02. Preliminary checks of the installation site

NOTICE	
	<p>BEFORE COMMENCING INSTALLATION, CHECK THE FOLLOWING MEASUREMENTS AND COMPARE THEM WITH THOSE ON THE PROJECT DRAWING:</p> <ul style="list-style-type: none">• Width (distance between side walls).• Depth (distance between front and rear wall).• Depth of the pit.• Stroke height.• Header height.• Plumbed compartment and any plumbed parts already installed.• Dimensions of any necessary arrangements (recesses for floor doors, distance between rails, ...).• Determine the finished floor level of each floor. <p><u>Measure compartment width and length at all levels. Carry out dimensional checks independently of the measurements taken by the building constructors.</u></p>

5.03. Obligations of the installer

WARNING	
	<p>BEFORE STARTING THE INSTALLATION:</p> <ul style="list-style-type: none">• Provide a material storage area close to the work area, easily accessible and protected from the weather.• Prepare any lifting equipment to be used.• Check the presence of all materials, using the bill of materials.• Check the condition of all materials upon receipt at the construction site and contact the supplier immediately if any damage or deficiencies are found.• Check materials intended for long-term storage periodically before installation to avoid possible deterioration caused by incorrect storage.• Check the completeness of the attached documentation.

6. Equipment and materials required for maintenance

IMPORTANT!			
	Persons authorised to carry out maintenance and rescue operations are those in possession of a lift maintenance certificate issued in accordance with L 1415/42 and Presidential Decree 1767/51.		
ALLEN KEY SET SPHERICAL HEAD 	HUNTING SETS AS AN ELECTRICIAN 	DIGITAL MULTIMETER 	FLEXIMETER 
INSULATING TAPE + BIADESIVE 	ELECTRICIAN'S SCISSORS 	SPANNER + TUBE WRENCH  5-27 mm	JACK SPANNER SET 
ADJUSTABLE GRIPPER 	PORTABLE LAMP 	SAFETY LADDER AT 5 LEVELS 	HAMMER + RUBBER HAMMER 
DRILL + ELECTRIC SCREWDRIVER 	DRILL BITS  CONCRETE 6 to 22 mm STEEL 2 to 13 mm		

7. Checking the installation

The lifting platform is designed in such a way that the need for periodic maintenance is kept to a minimum. The safety components are all certified in accordance with current regulations and the lift table as a whole is certified according to the Machinery Directive 2006/42/EC. This guarantees product reliability and complete safety for the user.

In addition to the current provisions, which provide for a periodic inspection of the lifts every two years by a Notified Body authorised to carry out checks, it is recommended that maintenance be carried out on the system in accordance with the following, in order to ensure the smooth operation of the platform.

The owner of the plant is obliged to ensure its scheduled maintenance and to notify the maintenance company in the event of irregular operation, or use other than that intended.

7.01. General Information

- a. In these instructions and on the circuit diagram, the stops are indicated with 0, 1, 2, 3, with '0' being the lowest stop: the numbering on the pushbuttons may differ according to the user's requirements (e.g. -1, 0, etc.);
- b. The other reference documents for maintenance are:
 - The project drawing, with reference to the specific plant;
 - The instructions for the electrical part with the relevant circuit diagrams.
- c. Observe the prescribed tightening torques for threaded couplings.

All screws used for the assembly of our products have been tightened to a torque as indicated in the table.

NOTICE		
GUIDE TO TIGHTENING VALUES		
SCREW	MAX TORQUE (Nm)	MIN TORQUE (Nm)
M3	1.2	1.0
M4	2.6	2.1
M5	5.1	4.1
M6	9.0	7.0
M8	21.0	17.0
M10	42.0	34.0
M12	71.0	57.0
M16	175.0	145.0

7.02. Decommissioning the plant

The following are instructions for taking the system out of service.

- a. Make sure the cabin is empty;
- b. Bring the cabin downstairs;
- c. Wait for the busy signal to go off;
- d. Open all circuits in the power supply cabinet;
- e. Check the correct closing of all landing doors where the car is not stationed;
- f. Display out-of-service signs on all floor doors.

At this point, the system is out of service and no more manoeuvres can be carried out.

8. Maintenance Operations

The periodicity and the manner in which the maintenance operations to be carried out by the maintenance company are described in the table at "8.04". This periodicity is referred to a normal use of the platform of 300 strokes per month; more intense use requires an approximation of the operations. The operations foreseen at the time of commissioning are already listed in the installation manual; they must be repeated if more than six months elapse between the completion of installation and commissioning, or if there is a suspension from service of more than six months.

In case of replacement of any element, use only original components, contacting the manufacturer LIFTINGITALIA S.r.l.

NOTICE	
	The following operations must only be performed by qualified personnel in possession of a lift maintenance certificate issued in accordance with L 1415/42 and Presidential Decree 1767/51.

3 MAINTENANCE AREAS HAVE BEEN IDENTIFIED:

- IN FRONT OF THE CONTROL CABINET;
- IN FOSSA;
- ON BOARD THE CABIN.

The maintenance operations in these maintenance areas of "8.04" are summarised in the table below.

Maintenance area	No. of transactions
In front of the control cabinet	2. EMERGENCY POWER SUPPLY 5. EMERGENCY DESCENT 9. UPPER AND LOWER OVERTRAVEL 11. ILLUMINATION
In the pit	6. SLIDING SHOES 7. GUIDES 11. ILLUMINATION 13. POWER LINES 14. CONTACTS IN THE COMPARTMENT 15. PLATES- DIAGRAMS
Above the cabin	1. MOVEMENT OF THE SYSTEM 2. EMERGENCY POWER SUPPLY 3. SENSITIVE EDGES 4. LOCKS 6. SLIDING BLOCKS 7. GUIDES 8. TRANSMISSION SCREW 10. GROUNDING 11. LIGHTING 12. OVERLOAD 13. POWER LINES 14. CONTACTS IN THE COMPARTMENT 15. PLATES- DIAGRAMS 16. SPEED- ACCELERATION- DECELERATION 17. CONTACTORS

When working in one of these three maintenance areas, the following steps must first be taken in order to work safely.

8.01. Maintenance - in front of the control cabinet

WARNING	
	RISK OF ELECTROCUTION Some operations require working with the cabinet open and live.

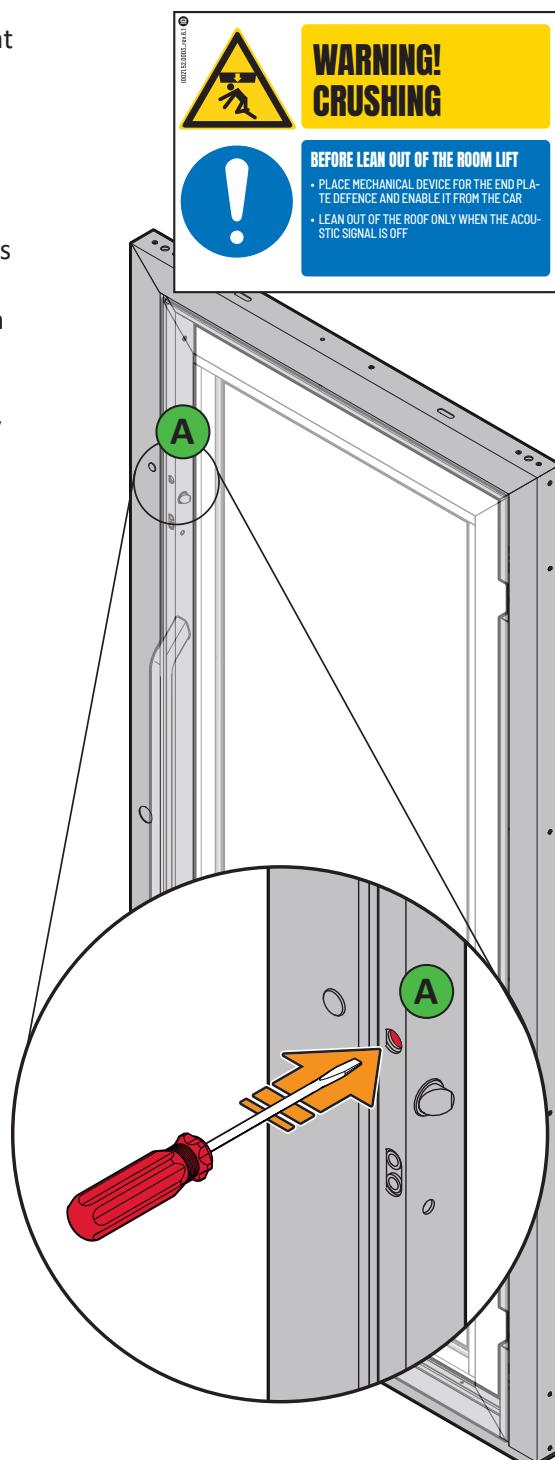
- Cut power by opening the main power switch;
- Only close the switch when it is necessary for handling, taking all the precautions that arise from the presence of live parts.

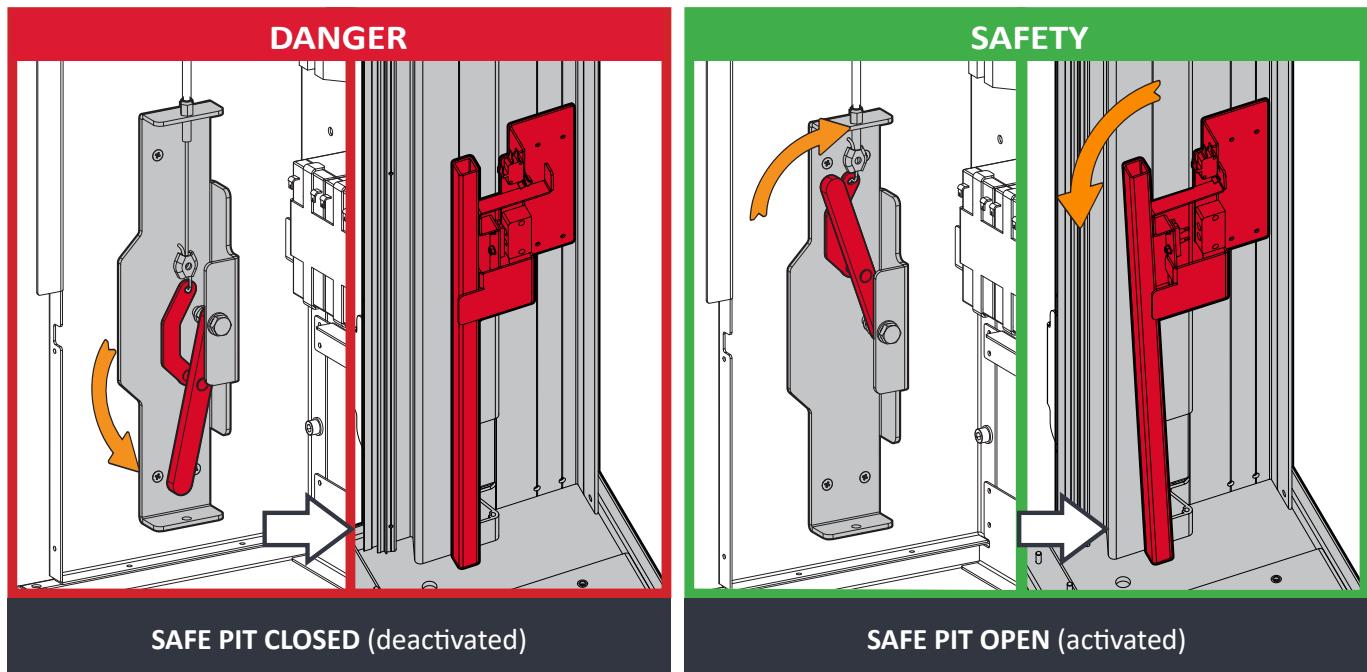
8.02. Maintenance - in the pit

- As indicated by the adhesive plate, the 'Safe Pit' pit safety device must be operated each time the plant pit is accessed, following the steps below:

WARNING	
	DANGER OF CRUSHING - BEFORE ENTERING THE PIT IS MANDATORY: <ul style="list-style-type: none">Operate the pit safety device (Safe.Pit) as indicated in the following instructions.Open the main switch located in the power supply cabinet (ref. IM.TEC.026 § 5.6).Carry out the anti-trapping procedures described in the following instructions (point 4).

- move the cabin to one of the upper floors, ideally at a height of at least 2500mm from the pit floor. In this way it will be possible to easily put the pit protection device into working position;
- open the lower floor door using the release key;
- as soon as the landing door is unlocked, an acoustic and luminous danger signal will be activated, reminding the maintenance technician to engage the pit safety device in the working position using the appropriate control lever;
- In the case of an electric lock, unlock the dead bolt of the lock by acting on the white button **(A)** with the tip of a screwdriver.
- USE DEVICES TO KEEP THE LANDING DOOR OPEN;





6. Position the pit bottom safety device by operating it from the outside;
7. if the pit bottom safety device is not correctly positioned and the acoustic and luminous signal does not go out, this means that the car is in too low a position in relation to the pit bottom, so the landing door must be closed again, the control panel reset and the car must be moved to a higher level. Then repeat the actions of the previous points;
8. when the acoustic and luminous signal goes off, it is possible to safely enter the pit and perform the operations that required access to it;
9. when you have finished working in the pit, exit and close the pit safety device. During this operation, the acoustic and luminous signal will be activated until the device is firmly in the rest position. Then close the floor door again, checking that it is locked.
10. check that all floor doors are closed and locked;
11. reset the control panel in order to put the system back into operation.

SAFE PIT = PIT SAFETY

8.03. Maintenance - on board the cabin

WARNING



RISK OF ELECTROCUTION

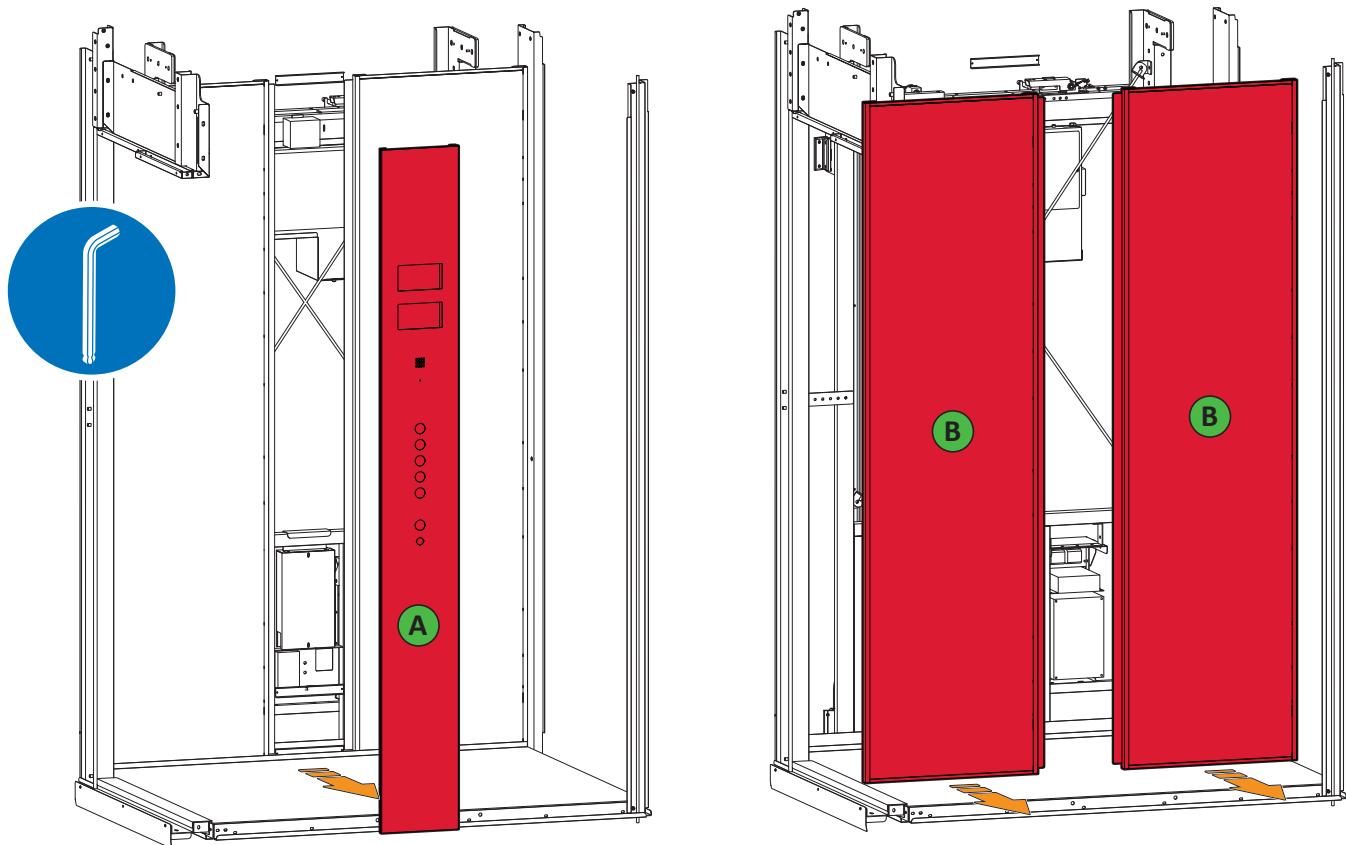
When removing the panel, make sure that the electrical cables connected to the panel control devices are not tensioned.

11.0.01 ACCESS TO THE BACK OF THE MECHANICAL SIDE WALL (COP)

The lifting platform is designed so that the drive unit and skids can be accessed from the cabin (load carrier).

Follow the instructions below:

1. with the cabin stationary on any of the floors, open the main power switch
2. press the STOP switch in the cab and check that the system does not move with the electrical controls;
3. remove the car fixture (COP) **A**;
4. remove the cover panels **B**;
5. carry out the necessary work on the drive unit or the skids;
6. when you have finished working on the motor unit or the skids, replace the cover panels and the fixture (COP) in their original position and secure it with the safety screws;
7. release the STOP in the cab, close the FM switch again and check that the system responds to the commands and functions correctly.



7.0.01 ACCESS TO THE UPPER PART OF THE PLANT

The lift table has been designed in such a way that it is never necessary for the maintenance technician to climb up onto the non-walkable car roof: all the sensors have been fixed above the archway so that the maintenance technician can access them simply by leaning out of the car roof, and the same applies to the positioning of the magnets and the overtravel switch in the compartment. If maintenance is to be carried out that requires access to components located above the car roof.

Follow the instructions below:

1. press the STOP switch in the cab and check that the system does not move with the electrical controls; the STOP will then be reactivated whenever the system needs to be safely stopped;
2. switch off the STOP and move the car to a position where the car floor is approximately 300 mm below the sill of the last upper stop.

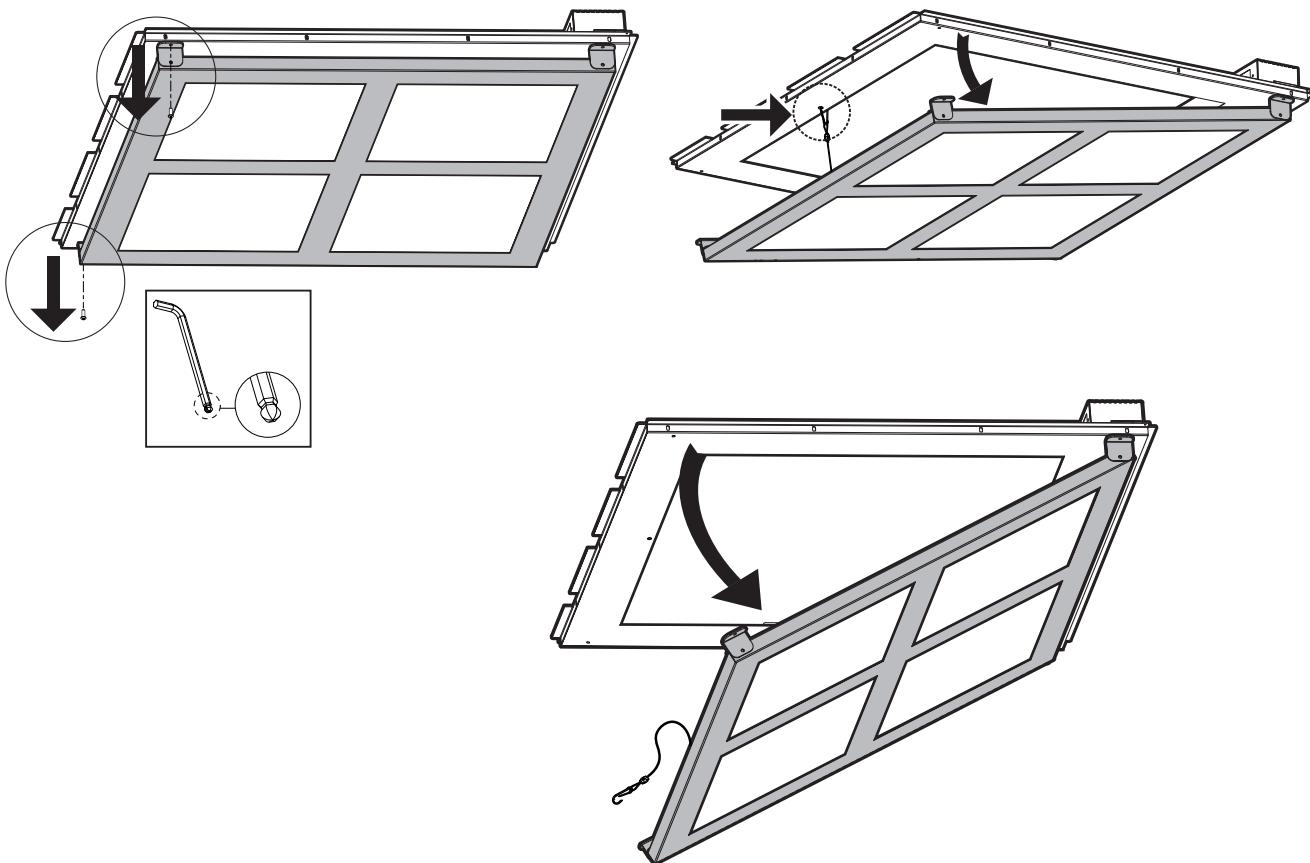
NOTE: In the case of a car without doors this operation is fairly easy, whereas in the case of a car with doors it is necessary to proceed by trial and error. Use the call buttons on the control panel in the cab for this purpose;

3. having reached the desired position, press the STOP switch in the cab and make sure that the system does not move for any reason.
4. Remove the car roof cover panel by unscrewing the two safety screws and pushing the cover panel away from the wall with the control panel.

At this point an acoustic signal will begin to sound warning you not to lean out of the car roof because the safety device in the header has not yet been inserted.

TO OPEN THE CONTRA CEILING

1. remove the fixing screws from one side of the counter-slab
2. release the safety carabiner
3. fold down the counter-shelf completely to gain access to the platform roof.



3.0.01 ACCESS TO THE CABIN ROOF

WARNING



DANGER OF SLIPPING

Do not force any manoeuvres of the system with the maintainer protruding above the car roof, even when descending.

ATTENTION

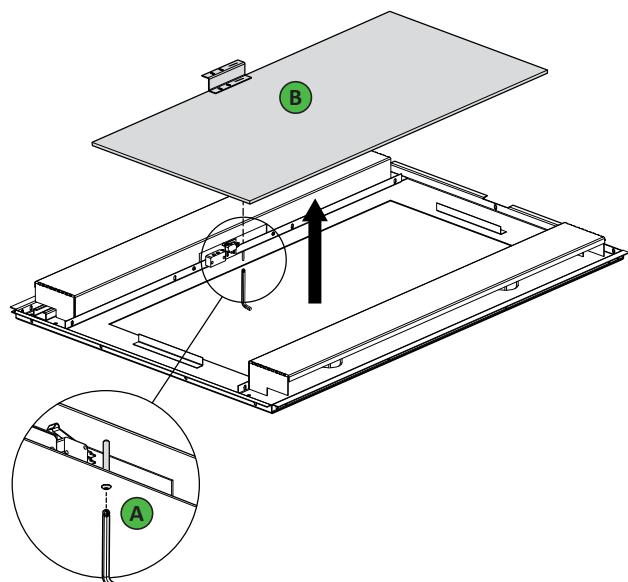


NON-LOAD-BEARING ROOF

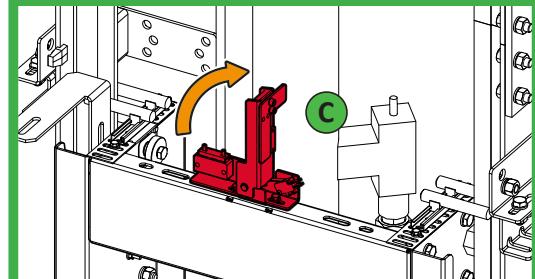
The cabin roof is not suitable for supporting loads. Do not climb on it under any circumstances, not even by placing your feet on the edges.

Follow the instructions below:

1. Unscrew the security screw (A);
2. remove the roof panel of the car roof (B).
3. without protruding from above the roof, place the safety device in the header in the active (vertical) position (C).
 If the acoustic signal goes off, this means that the device has been correctly positioned and you can lean out of the roof.
4. Remaining in the cab, lean out from above the roof, with the help of a compass safety ladder or 5-step platform, to carry out the required maintenance work;
5. if, during maintenance, it is necessary to move the cab from its current position, go back into the cab completely, return the head safety device to its rest position (D) close the overhead guard completely and only then release the STOP button in the cab and move the system;
6. once the maintenance operations have been completed, re-enter the cab completely, return the safety device in the header to its rest position, close the protective canopy completely, release the STOP button in the cab and check that the system responds to the controls and functions correctly.

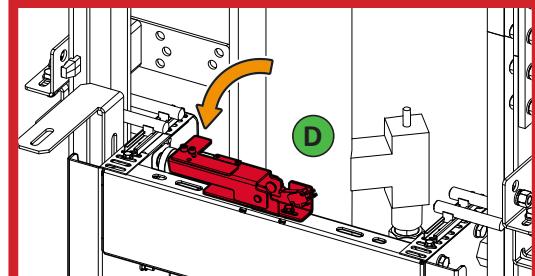


SAFETY



SAFE PIT OPEN (activated)

DANGER



SAFE PIT CLOSED (deactivated)

NOTICE

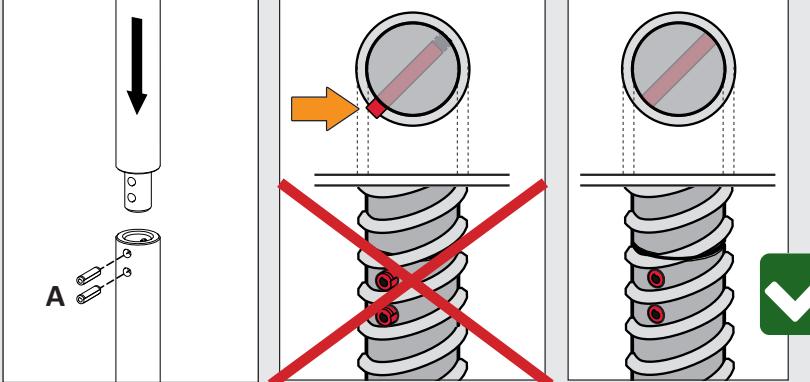


Do not force any system manoeuvres with the protective canopy raised - Risk of collision with compartment elements.

8.04. Maintenance operations - description and frequency

OPERATION	RECOMMENDED FREQUENCY	
	1st Commissioning	Each 6 months
1. PLANT MOVEMENT Check the regular movement and stopping of the system with the given commands. A. from the cab, the system is tested at all stops, uphill and downhill, verifying the regular automatic stop, with a maximum stop height difference of 10 mm above or below the floor; B. from all floors the car call is tested, verifying the regular automatic stop and the operation of the busy and present signals; C. check that, without switching the enabling key, the system does not respond to commands from the corresponding hand control.		
2. EMERGENCY POWER SUPPLY  Check that the emergency power supply is efficient with regard to the alarm, cabin lighting and command sending to the lowest floor. A. bring the cabin to a higher stop; B. switch off the power supply by opening the main power switch located upstream of the switchboard (building's main switchboard); C. the cabin's emergency lighting comes on; D. press the alarm button: the siren should sound; E. press and hold any call button: the cabin descends and stops at the level of the first useful stop for disembarking, the door can be opened (it opens automatically in the case of automatic doors). Should it be necessary to replace the batteries (located inside the switchgear), follow the instructions below. F. open the Force Switch; G. disconnect all battery connectors, taking care not to cause short circuits; H. replace the batteries and reconnect the relevant connectors; I. close the power and cabin light switches and redo the controls from point A. to point E; J. dispose of spent batteries by delivering them to authorised regional centres (they are special hazardous waste).		

OPERATION	RECOMMENDED FREQUENCY	
	1st Commissioning	Each 6 months
3. OPTOELECTRONIC BARRIERS Check the effectiveness of all photocells or opto-electronic barriers: <ul style="list-style-type: none"> WITHOUT doors in the cab: stay in the cab and command the ascent; when outside the repechage distance, intercept the beam of a photocell; the system must stop and remain stationary until the obstacle is removed and the movement is commanded again; repeat with all photocells; repeat within the repechage zone. WITH cabin doors: During automatic closing of the sliding door, intercept the beam of the barrier; the door must reopen. 		
4. LOCKS Lock control of doors on all floors. A. check the regular opening and closing movement, also by operating the emergency key; B. check the correct engagement of the removable bridge on the fixed contact and of the lock bolt in the hole on the door leaf; C. check the independence between the bolt contact and the preliminary approach contact.		
5. EMERGENCY DESCENT Check that the manual emergency lowering manoeuvre device is working properly. A. open the main power switch of the power supply cabinet; B. with the car stationary on the upper floor, press the SB-MEM button; C. open the door with the emergency key and check that the cabin has been lowered; close the door again		
6. SLIDING BLOCKS A. Visually check the integrity of the sliding seal: nominal thickness is 5 mm, permissible wear is 1 mm. In the event of greater wear, replace the skid. B. The clearance of the runner blocks on the rails should be 1-2 mm. Larger distances in the direction of the gauge can be recovered by adjusting the runner blocks; larger distances in the orthogonal direction require replacement of the runner block		
7. GUIDE A. Clean the guides from excess lubricant and dirt with a clean, soft cloth; B. Check that the sliding surfaces are undamaged and undamaged. Any small imperfections can be corrected with 320 grit sandpaper or more; C. Lubricate the guides EXCLUSIVELY with silicone spray lubricant.		

OPERATION	RECOMMENDED FREQUENCY	
	1st Commissioning	Each 6 months
8. TRANSMISSION SCREW		
<p>• Check that the screw is properly lubricated. • If necessary, lubricate and top up the tray using the appropriate oil (ISO VG-220EP or higher grade).</p>		
<p>ATTENTION</p> <p>RISK OF PLANT DAMAGE: Before moving the platform by panel, it is necessary <u>thoroughly clean the guides and screw and oil them completely</u> with oil suitable for the purpose (e.g. iso vg-220 ep or higher).</p>		
		
• In the case of jointed screws, the elastic jointing pins (A) MUST NEVER EXIT THE DIAMETER OF THE SCREW NUT.		
<p>WARNING</p> 		
9. UPPER AND LOWER OVERTRAVEL		
Checking the overtravel contact.		
A. send the empty cabin to the highest floor; B. from the switchboard, access the overtravel test menu (see electrical equipment manual) and control the ascent until the overtravel contact is triggered; C. return the car to the floor using the emergency lowering (SB-MEM button) and resume normal operation; D. repeat overtravel contact intervention with platform at lower level.		
10. GROUNDING		
Check the efficiency of the earthing system and the insulation of the electrical circuit as stated in the machine's electrical equipment manual.		

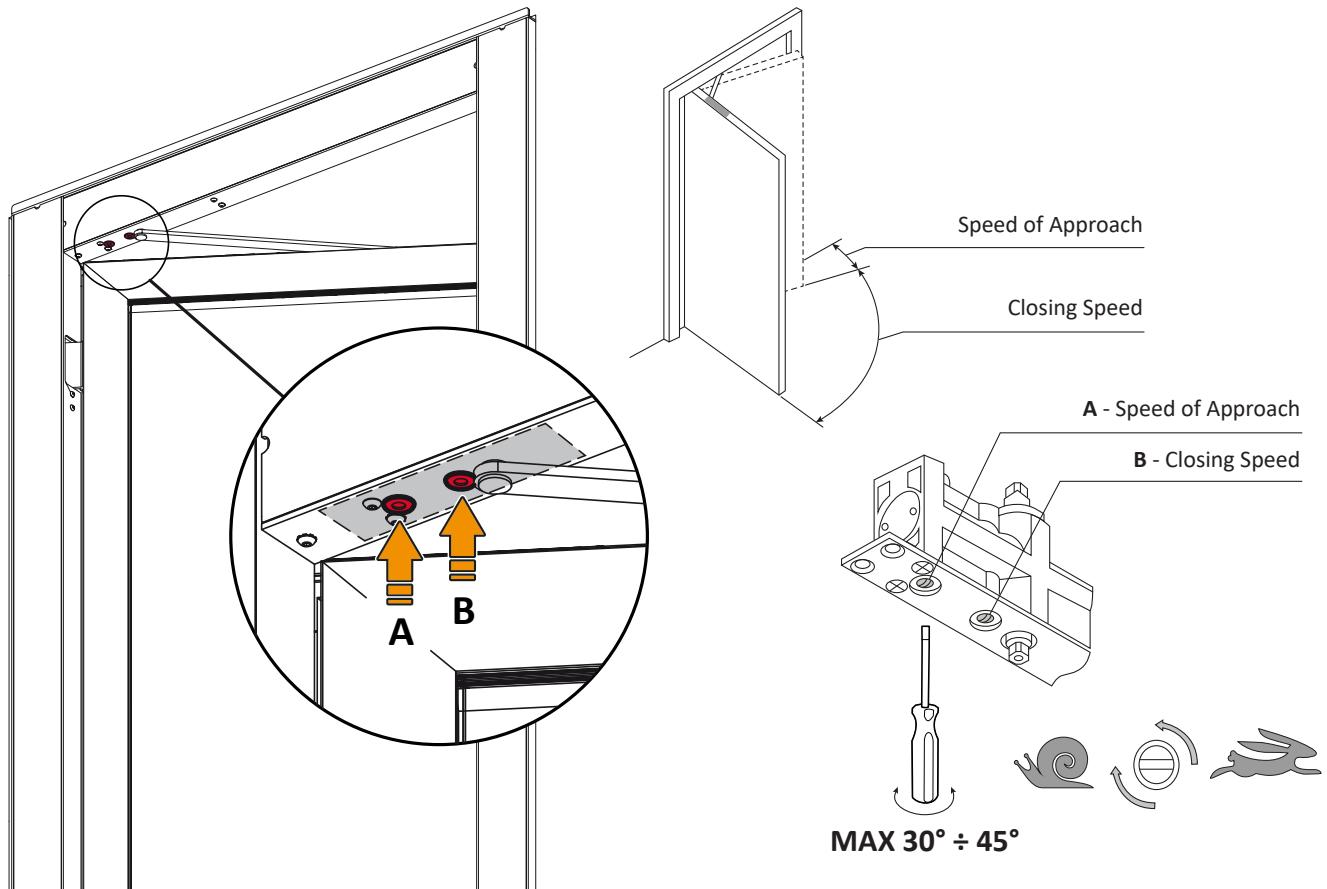
OPERATION	RECOMMENDED FREQUENCY	
	1st Commissioning	Each 6 months
11. ILLUMINATION Check the proper functioning of the car, compartment and control cabinet area lighting.		
12. OVERLOAD Check the overloaded car shunting override. A. loading the cab with the scope; B. bring the cabin to the first floor; C. open the floor door and enter the cabin; D. close the door; E. check that the system does not respond to either internal or external commands.		
13. POWER LINES Check that the electrical lines, both fixed and movable, are intact.		
14. CONTACTS IN THE COMPARTMENT Check the integrity of the lock-out override contacts.		
15. PLATES - DIAGRAMS Make sure that plates, wiring diagrams are present at the various locations: A. plaque in the pit, indicating the danger of access and requesting the insertion of the safety device; B. plaque on the switchboard, indicating the electrical hazard and prohibition of access; C. plaque next to the switchboard, indicating how the emergency manoeuvre is to be carried out; D. plate next to the red emergency lowering button for identification; E. plaque on the landing doors to indicate the use reserved for the disabled (only for public facilities); F. nameplate in the cabin, indicating capacity, capacity and name of the manufacturer and emergency lowering mode in the event of a power failure; G. electrical diagram on the switchboard.		
16. SPEED - ACCELERATION - DECELERATION Check that they are the same as originally set.		
17. CONTACTORS Check the contactors and their efficiency.		
18. SCREW NUT - INSPECTION Check the wear of the nut using the wear register: if the vertical distance between the upper edge of the register and the upper face of the nut > 2 mm, stop the machine immediately and proceed with the replacement of the nut (ref.: IM.TEC.125.EN_DOMOFLEX-2_ICONLIFT_STRUCTURE-SHELL_MONTAGION - § 12.06).		

9. Maintenance of landing doors

9.01. Manual door closers

NOTICE	
	<p>THE ADJUSTMENT OF THE CLOSING SPEED AND FORCE OF THE FINAL HIT, which are usually carried out by means of special screws, ARE IMPORTANT, both to perfectly adapt the action of the closer to the weight of the door to which it is applied, and to ensure effective operation in all seasons. The viscosity of the internal oil changes in relation to the outside temperature. THE ACTION OF THE DOOR CLOSER IS THEREFORE SUBJECT TO NATURAL SEASONAL VARIATIONS THAT MAY REQUIRE SMALL PERIODIC ADJUSTMENTS to keep the effectiveness of the mechanism constant. The door closer has 2 distinct adjustments: the closing speed and the force of the final blow, which is used to overcome the resistance of the lock latch at the moment of actual closure.</p>

- Adjust the force of the final blow and thus the **approach speed** according to the weight of the door, acting on screw A with rotations not exceeding $30^\circ \div 45^\circ$.
- Adjust and periodically check the **Closing Speed**, acting on screw B with rotations not exceeding $30^\circ \div 45^\circ$.



10. Floor doors - use of the emergency key

WARNING	
	Opening the door using the emergency triangular key introduces an element of danger. Proceed with extreme caution.
	A difference in height between the platform floor and the landing floor of more than 30 cm causes a significant danger of falling, either from the cabin onto the landing or from the landing into the compartment. Therefore NEVER operate from the door of an intermediate floor during rescue operations.

To unlock the lock and open the landing door, first open the main switch in the power cabinet, then insert the safety key in the hole provided in the jamb, and turn the key; then open the door carefully, ensuring the position of the platform in relation to the floor.

When work is completed, always ensure that all floor doors are properly closed and locked.

11. Carrying out repairs

WARNING	
	As a rule, an arch that has suffered damage or deformation (e.g. as a result of bending, heating, etc.) cannot be repaired or straightened. Damaged parts must be replaced. Use only LIFTINGITALIA S.r.l. spare parts.
	Repairs must be carried out by experts, with the utmost care to ensure safe operation of the installation.

The following repairs can be carried out on site by qualified fitters or maintenance personnel:

- Sanding off rust (e.g. caused by paintwork damage) and applying a suitable anti-rust paint;
- Replacement of skids;
- Replacement of screw and motor unit, in cab and pit;
- Replacement of electrical parts.

12. Spare Parts



USE ONLY ORIGINAL PARTS

Contact LIFTINGITALIA S.r.l. to obtain the correct codes.

WHITE PAGE



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