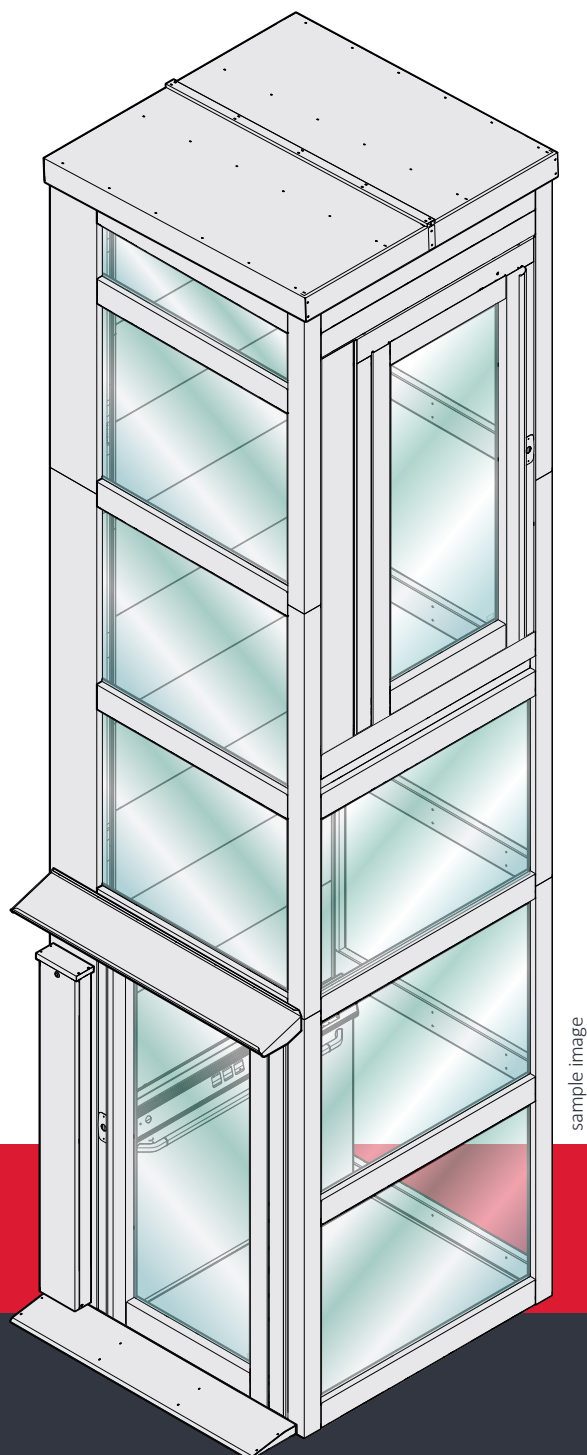


DomoFlex® - IconLift® - SimpLift®

Electric screw driven platform lifts

REPLACING DRIVE UNIT INSTRUCTIONS

(Rev.0)



sample image

0	First edition	09.11.2022
Rev.	Description	Date

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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



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.

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.

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.




Technical specifications may be subject to change without notice due to product improvement development.

The drawings included in this manual are to be considered as indicative and are NOT an exact reference to the product concerned.

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 to the risk of injury to persons, the risk of possible property damage may also be caused at the same time.

WARNING	
	<p>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.</p>

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

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 important information to be scrupulously observed.




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.

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.

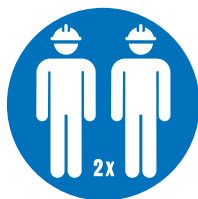
WARNING



SAFETY AND SITE MANAGEMENT - OVERALL DISPOSITIONS:

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).
- 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



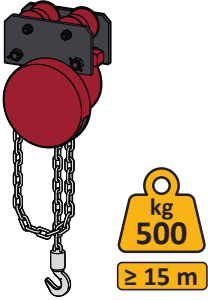
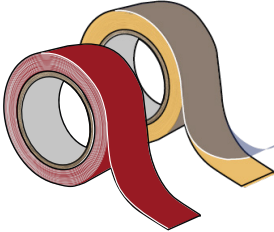
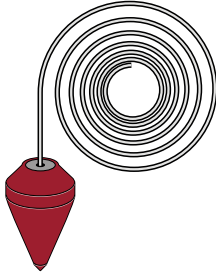


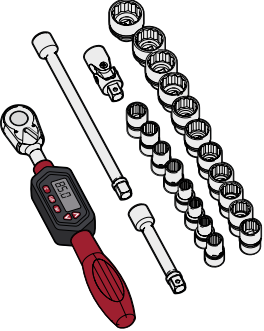
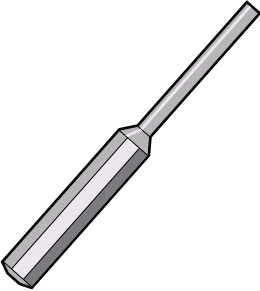
The assembly must be performed by a
MINIMUM 2 people



Use a suitable lifting equipment for handling
the components if the load is greater than
50kg

5. Tools required for installation

BALL POINT LONG HEX KEY WRENCH 	ELECTRICIAN SCREWDRIVER SET 	HAMMER + RUBBER HAMMER 	TAPE MEASURE 
SPIRIT LEVEL 	SCISSORS FOR ELETTRICIANS 	SPANNER + SOCKET WRENCH 	RACKETING RING SPANNER SET 
PLIERS WRENCH 	PORTABLE LAMP 	SAFETY LADDER 5 STEPS 	LIFTING BELTS 
DRILL + ELECTRIC SCREWDRIVER 	DRILL BITS 	CORNER GRINDER 	CUT-OFF AND GRINDING WHEELS 

<div>VACUUM LIFTER WITH MANOMETER</div> <div></div>	<div>MANUAL HOIST</div> <div></div>	<div>INSULATING TAPE + DOUBLE-SIDED ADHESIVE</div> <div></div>	<div>PLUMB BOB</div> <div></div>
<div>DIGITAL MULTIMETER</div> <div></div>	<div>LASER LEVEL</div> <div></div>	<div>CORDLESS RIVETER GUN</div> <div></div>	<div>HSS STEP DRILL BIT</div> <div></div>
<div>TORQUE WRENCH SET WITH EXAGONAL INSERT</div> <div></div>	<div>EJECTOR DRIFT PIN PUNCH</div> <div></div>		

NOTICE



FOLLOW THE TIGHTENING TORQUES INDICATED FOR THREADED COUPLINGS.

In order to avoid the risk of bolt or component loosening or stress, with a deformation and breakage risk, please follow the screw tightening torques indicated in the table.

TIGHTENING TORQUE GUIDE		
SCREW	COUPLE MAX (Nm)	COUPLE MIN (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

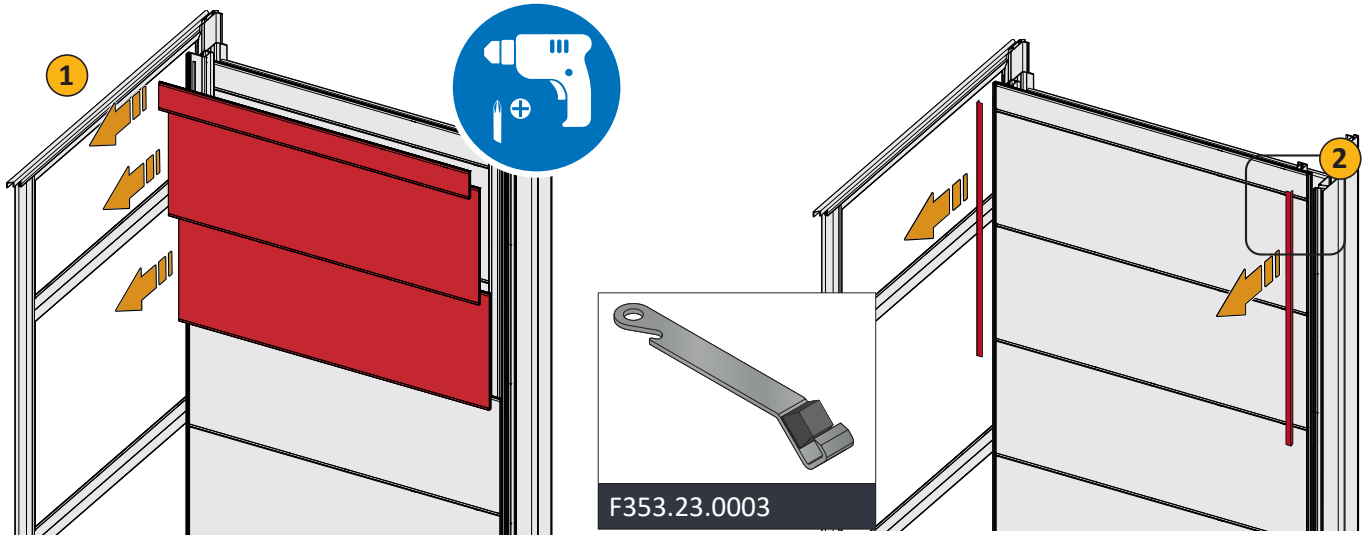
6. Motor unit - replacement

6.01. Mechanics internal infill - removal

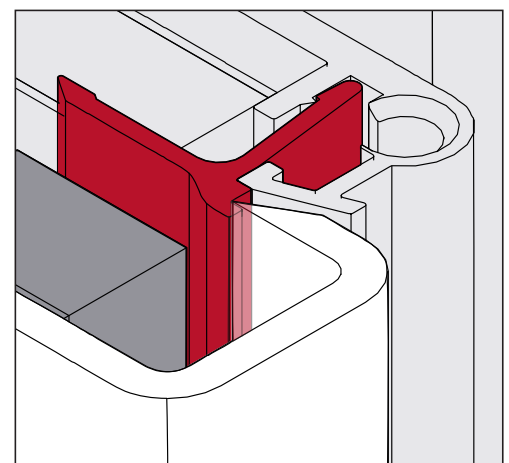
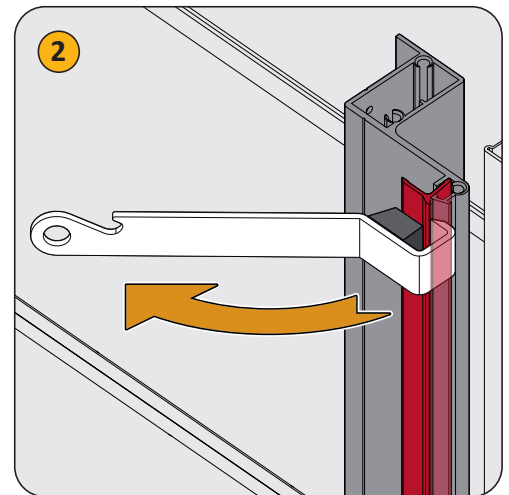
IMPORTANT!





Check whether additional safety fastening has been carried out and remove the screws if any ①.



- Remove the snap-in profiles using the lever provided in the kit ②.
- Remove the infill panels starting from the top ③.

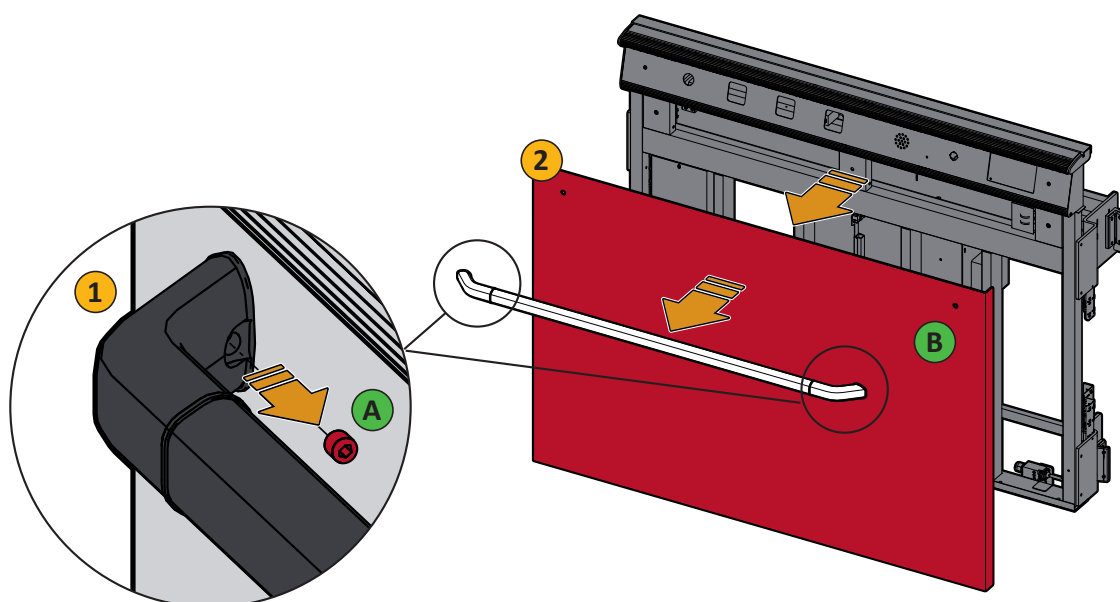


6.02. Platform protection infill and handrail - removal

CAUTION			WEAR APPROPRIATE PPE		
	DANGER OF CRUSHING Move/lift the components using suitable lifting gear .				



① Remove the handrail fixing pins **A** and pull out the handrail.

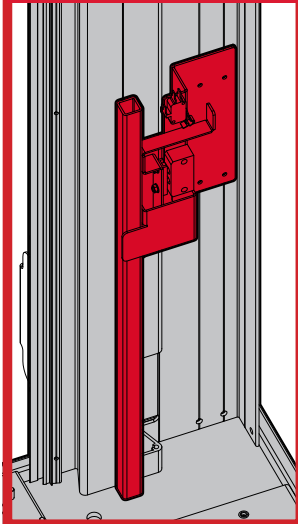
② Remove the protective panel of the mechanics **B** .

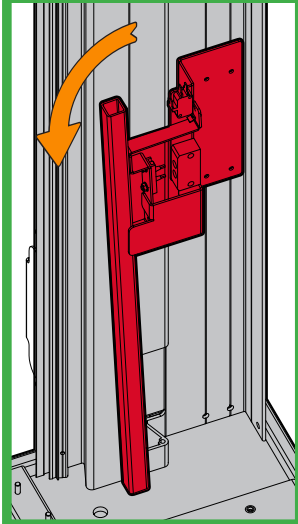


6.03. Sensitive edge (safety device) - DomoFlex and IconLift

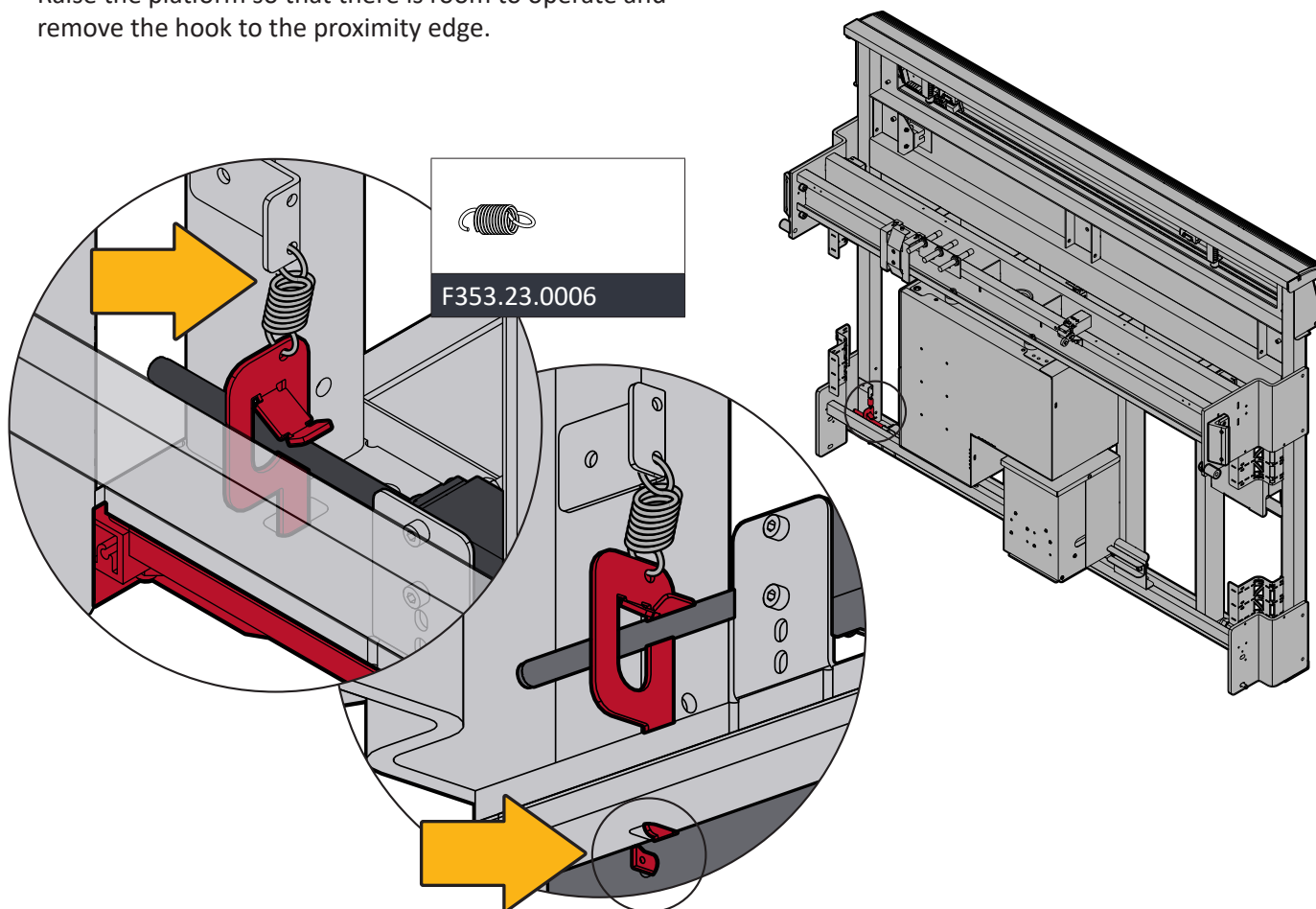
6.03.01 SENSITIVE EDGE CONTACT - DECONNECTION

AVVERTENZA	
	DANGER OF CRUSHING
	MANUALLY OPEN THE SAFE PIT PROP FROM OUTSIDE THE PIT.

DANGER

CLOSED (OFF) SAFE PIT

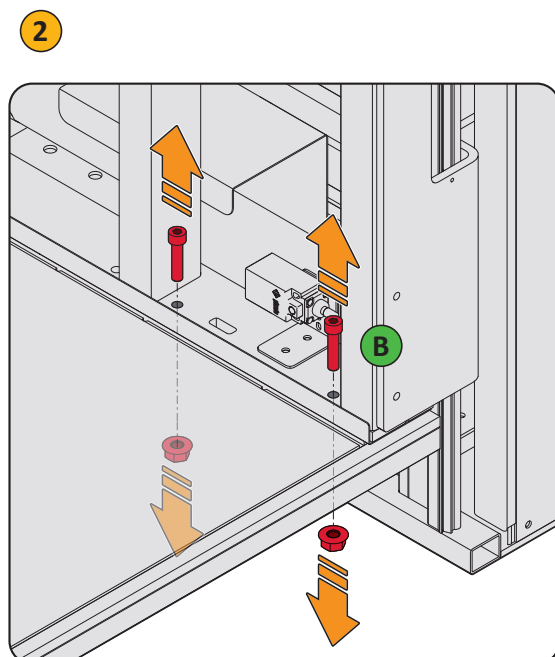
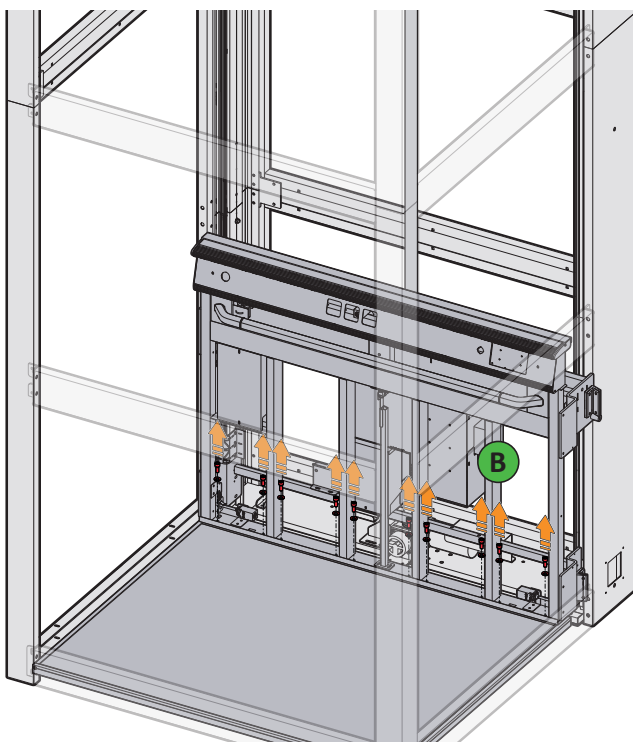
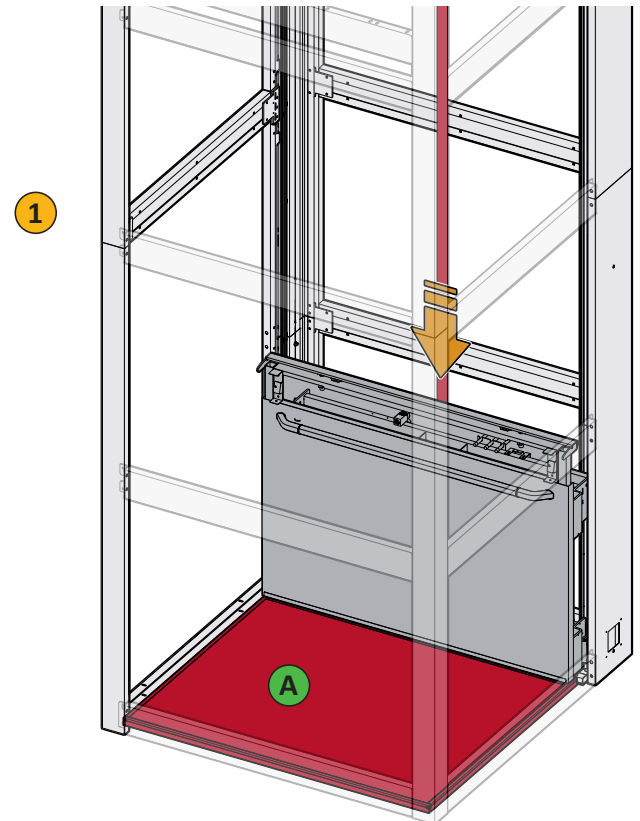
SAFETY

OPEN (ON) SAFE PIT

- Raise the platform so that there is room to operate and remove the hook to the proximity edge.









6.04. Platform carrier - removal

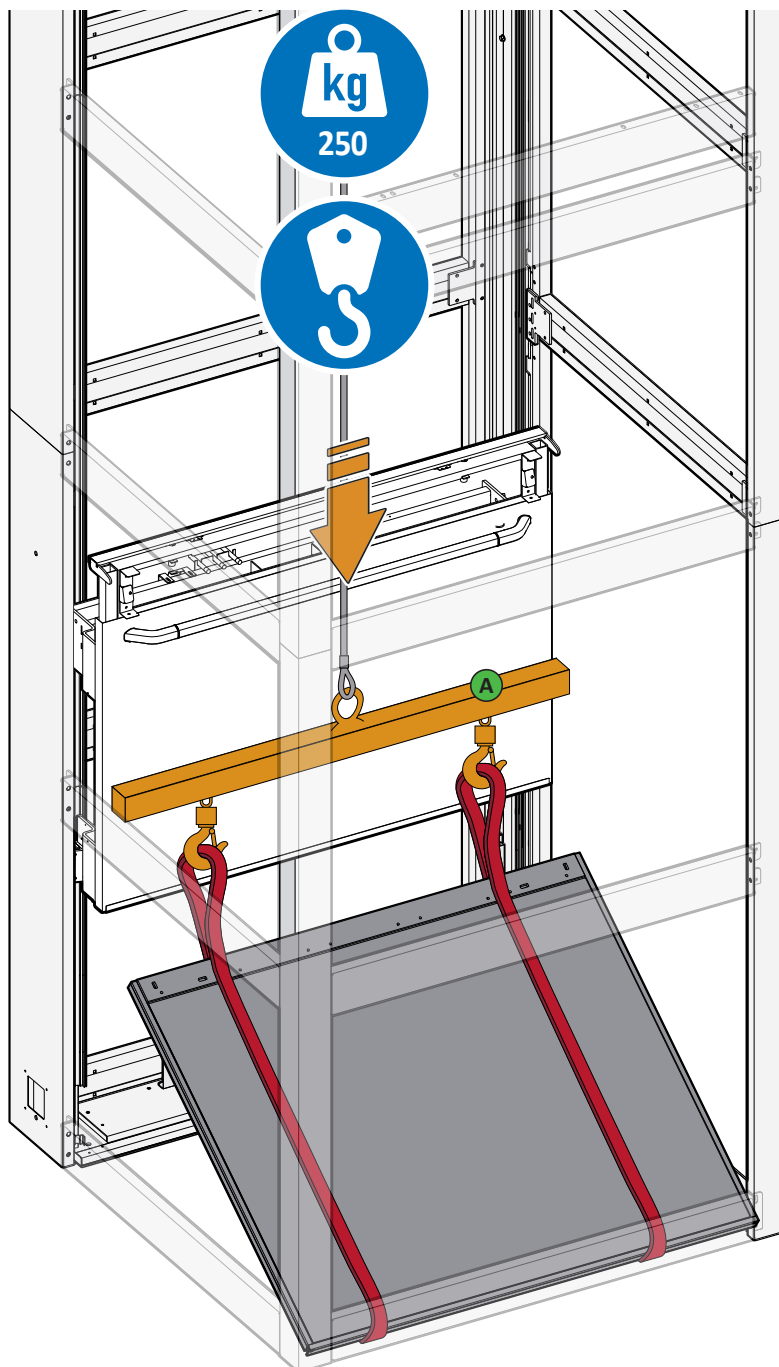
- ① Lower the platform until the platform floor **A** comes into contact with the lowest landing (P0)..
- ② Unscrew and remove all screws securing the platform floor **B**.
- ③ Raise the platform floor along the screw.
- ④ Remove the leveller floor as described in § 6.05.



6.05. Platform floor - handling

CAUTION		WEAR APPROPRIATE PPE		
	DANGER OF CRUSHING Move/lift the components using suitable lifting gear (see Chapter 9).			 

For moving/lifting platform components we recommend the use of a winch/hoist anchored in the head (see Chapter 8) and a lifting sling bar .



6.06. Platform car sling (with mechanics) - removal

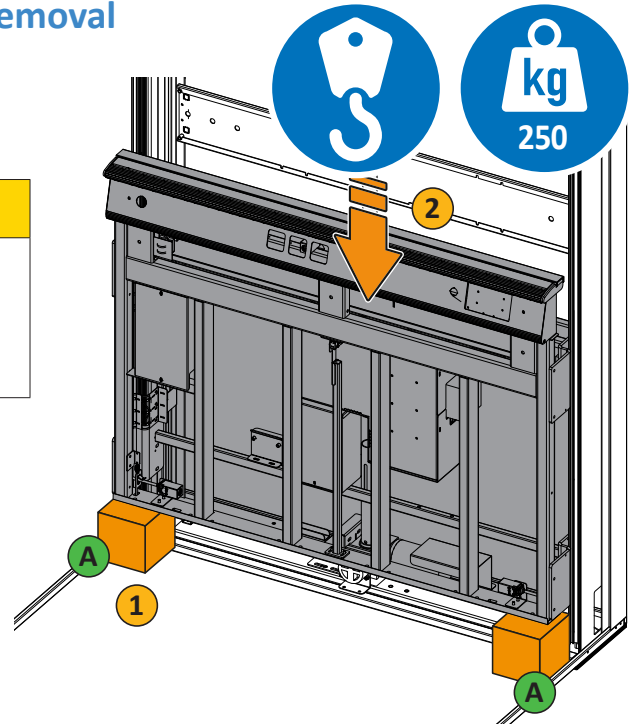
- 1 Place risers **A** (e.g. wooden blocks) under the footplate backrest

IMPORTANT!








The height of blocks on which the platform backboard rests must be AT LEAST 50 mm and MAXIMUM 100 mm in order to be able to easily insert the backboard into its housing.

- 2 Lower the backrest until the footplate floor rests on the risers

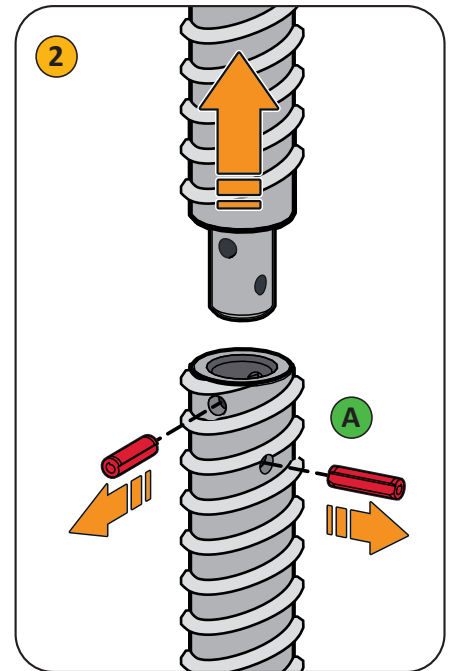
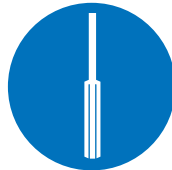
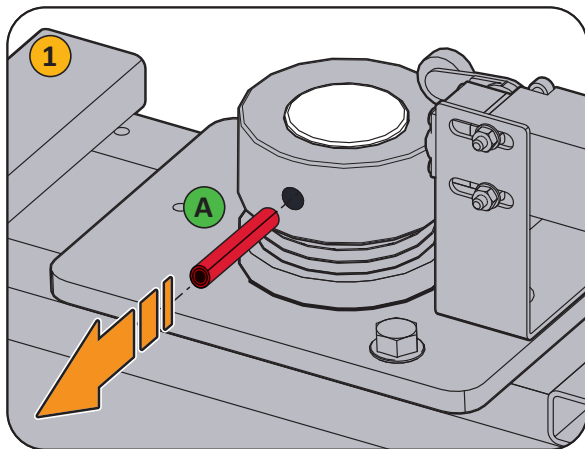


6.07. Transmission screw - removal

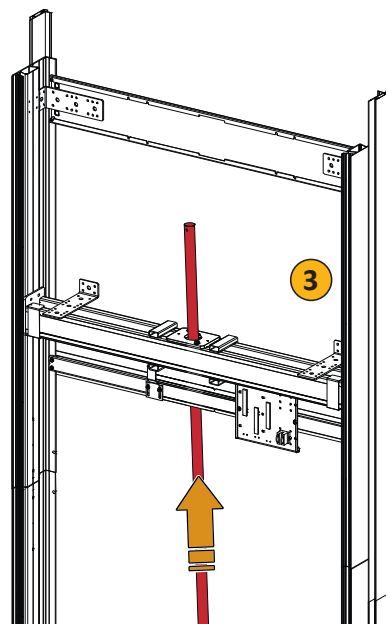
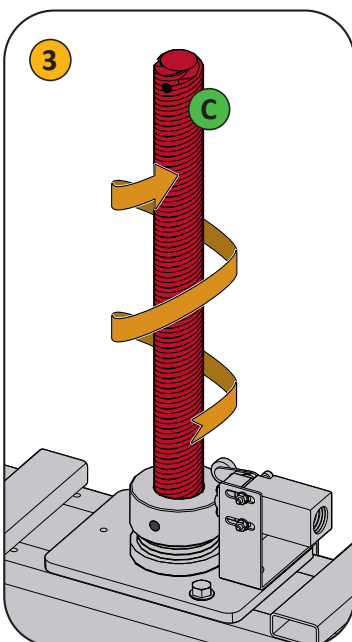
CAUTION			WEAR APPROPRIATE PPE		
	DANGER OF CRUSHING Move/lift the components using suitable lifting gear.				

① Remove the fastening pins in the header screw **A**.

② Remove the fastening studs in the first piece **B**.

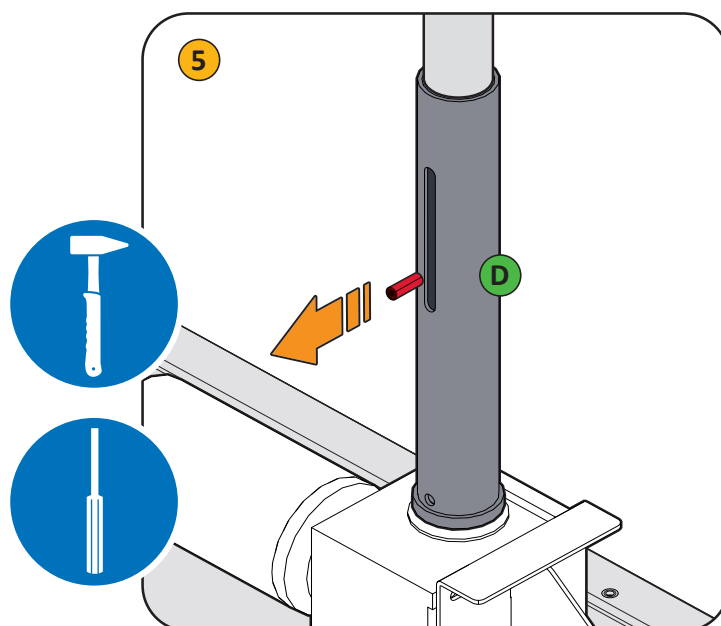


③ Tighten the screw **C** so that the sections are separated and pull it out.

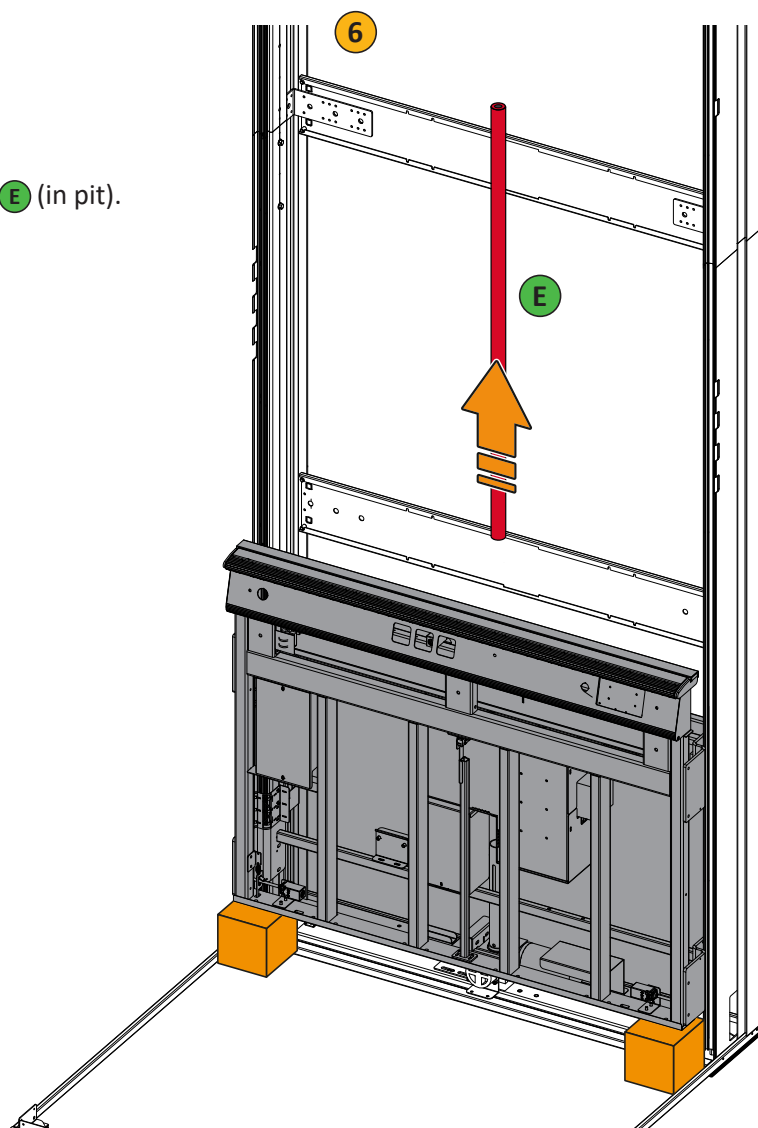


④ Proceed with the next sections until you reach the base..

5 Remove fastening pin in sleeve **D** (in pit).



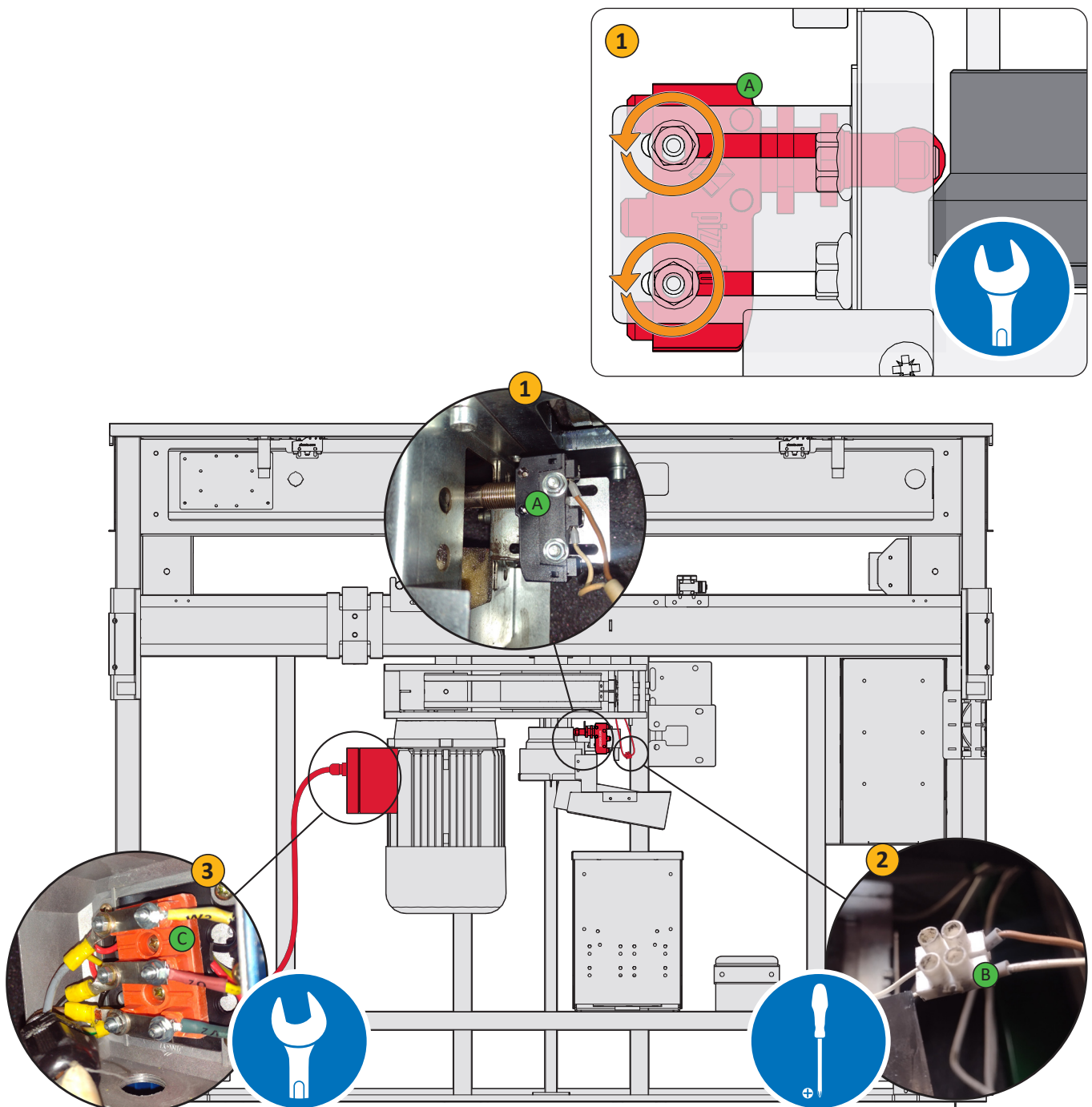
6 Estrarre dal motore lo spezzone di vite rimasto **E** (in pit).








6.08. Platform wall - disconnection of electrical contacts

CAUTION		WEAR APPROPRIATE PPE
	RRISK OF ELECTROCUTION: When working on electrical components, the main switchboard of the system must be switched off..	

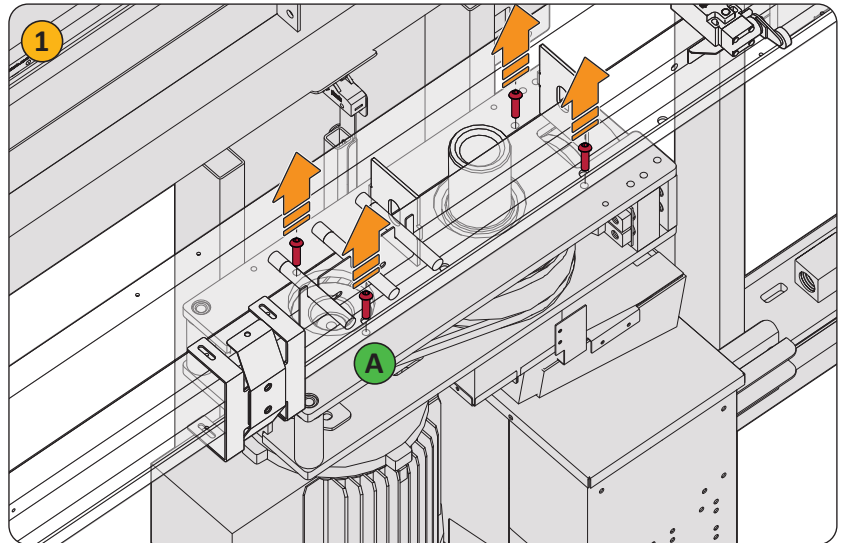
- 1 Remove the wear contact of the nutscrew **A**.
- 2 Disconnect the brake contact **B**.
- 3 Disconnect the motor power supply **C**.



6.09. Motor unit - removal

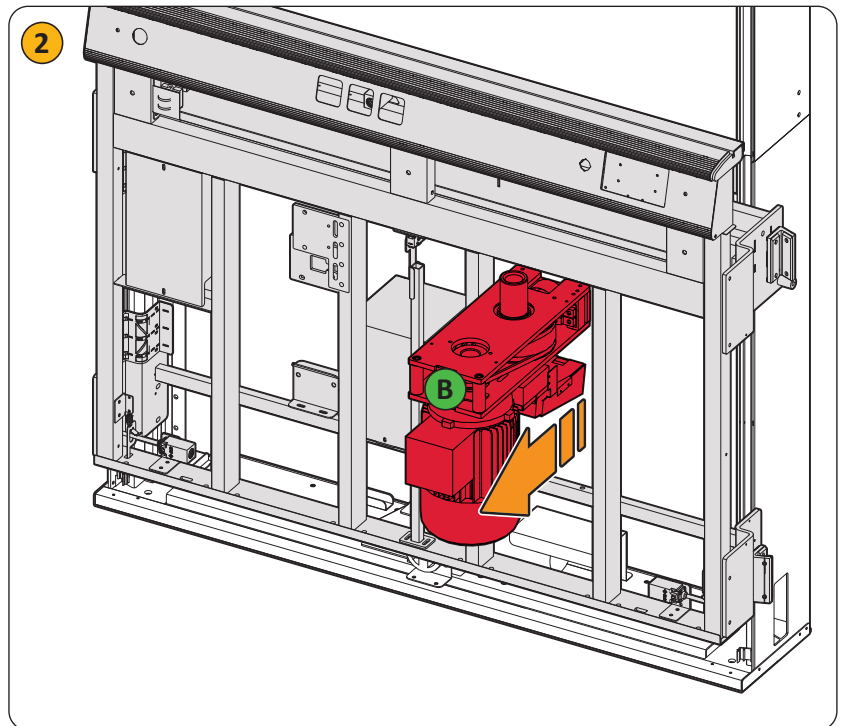
CAUTION		WEAR APPROPRIATE PPE			
	DANGER OF CRUSHING Move/lift the components using suitable lifting gear..				

- ① Remove the four screws securing the motor **A**.



- ② Pull the motor **B** out through the footrest frame.

- ③ Insert the new motor and secure it with the screws previously removed.



IMPORTANT!

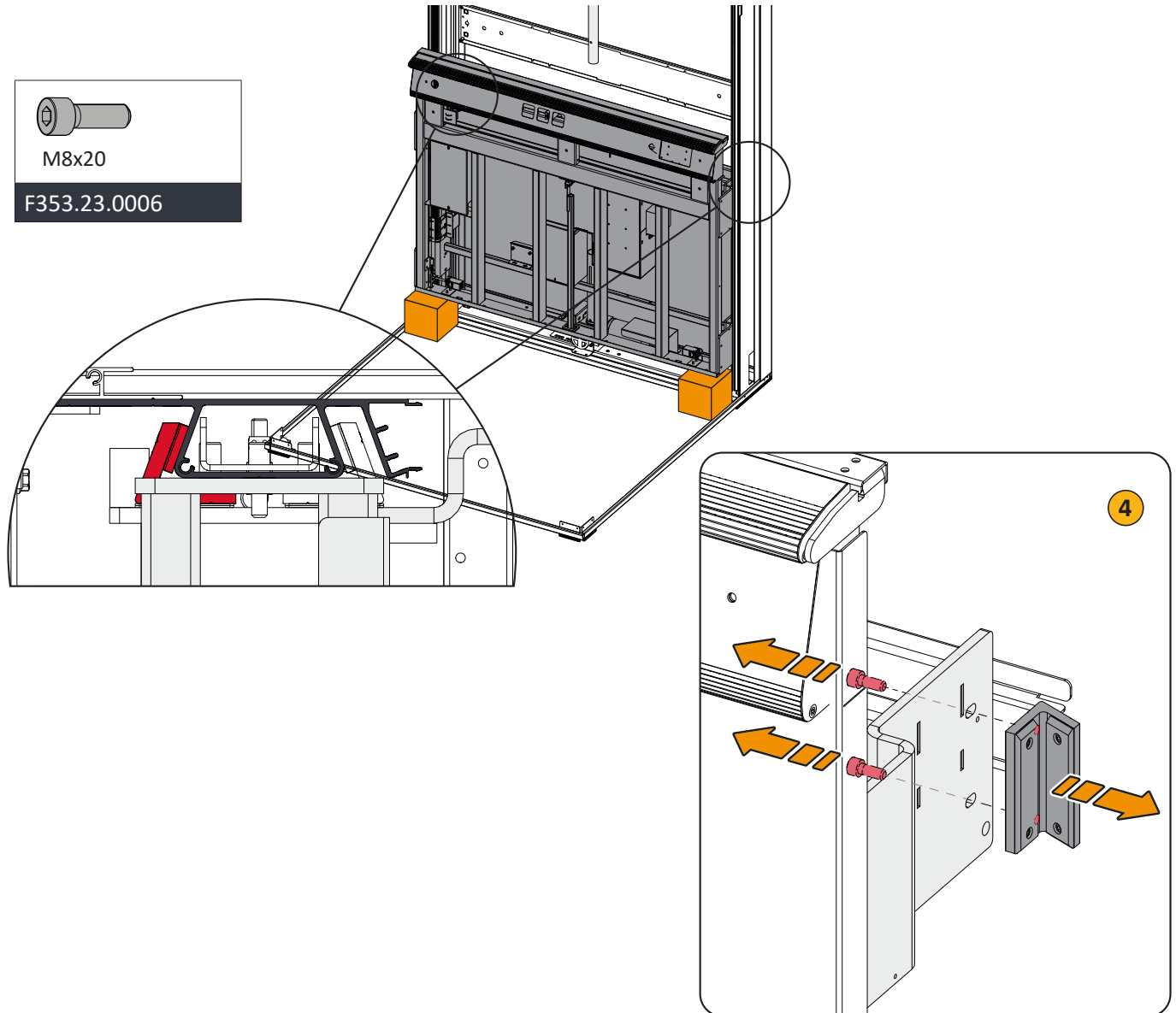


If the footplate is very narrow, it may be necessary to remove the footplate backrest from the rails. In this case, follow the instructions in § 6.09 and 6.10.

6.10. Platform wall - pull-out

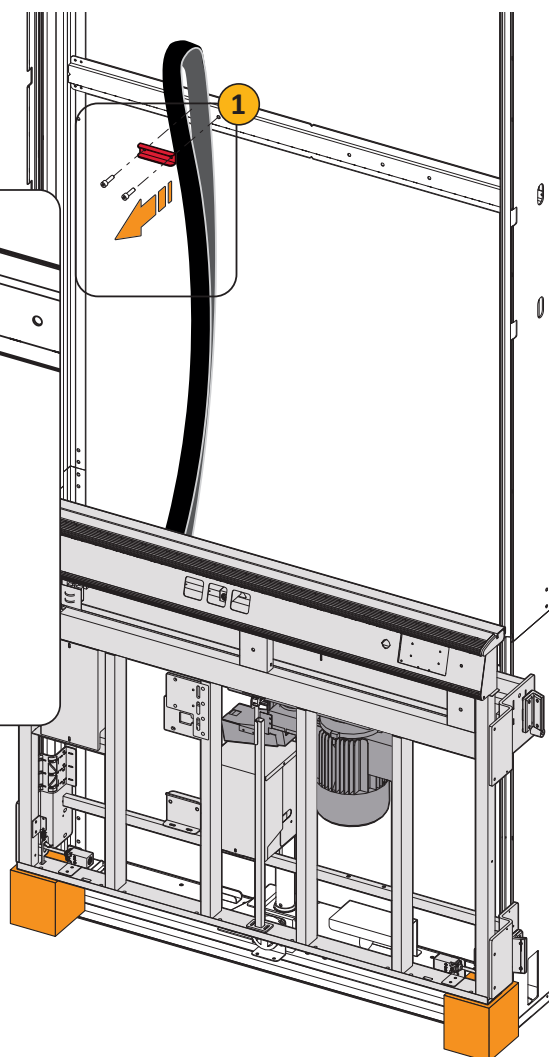
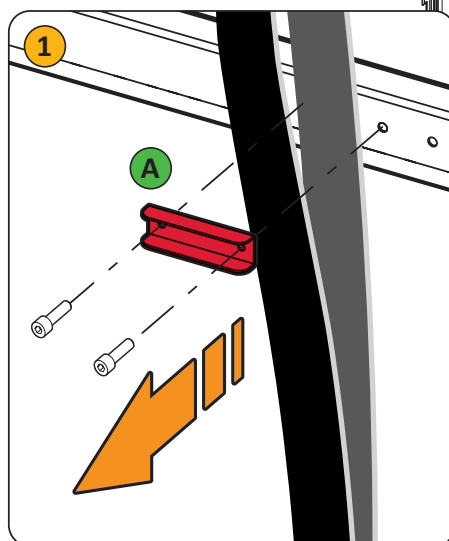
6.10.01 SHOES - REMOVAL

- 1 Remove the upper shoes from the brackets.

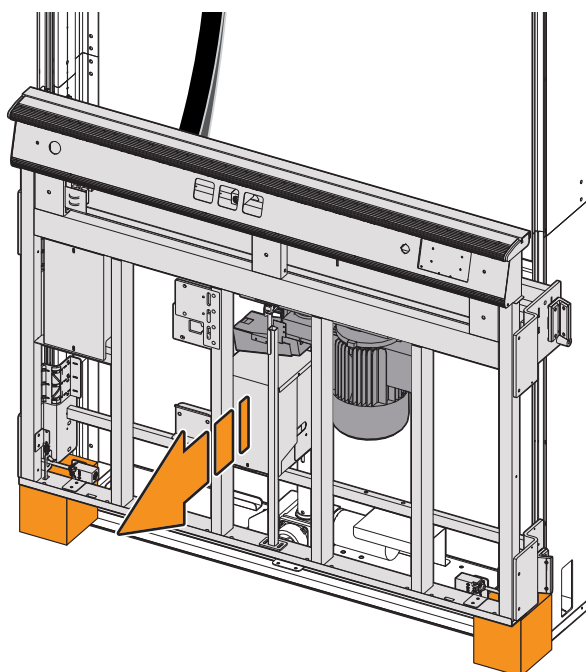


6.10.02 CABLE STOP - REMOVAL

- ① Remove the upper cable clamp of the flat cable **A**, so that the footplate backrest can be removed.



- ② The platformwall can now be removed.





IMPORTANT!

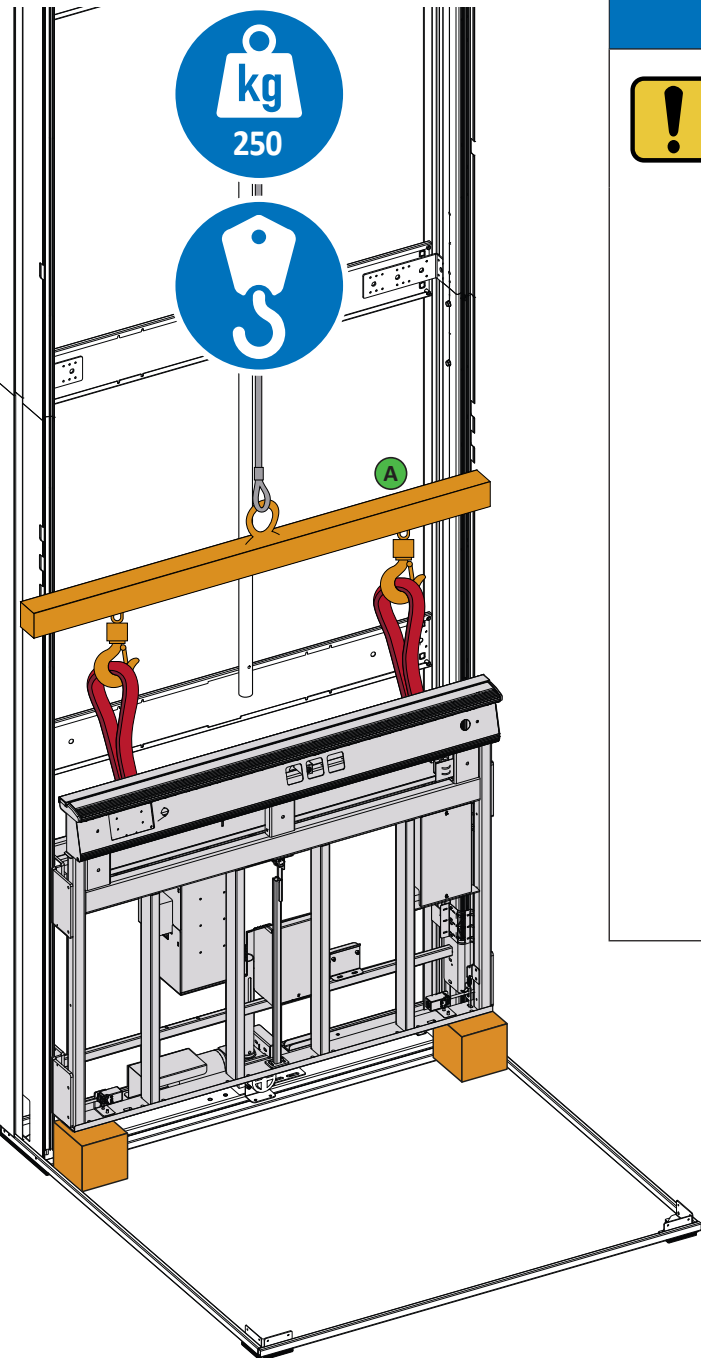



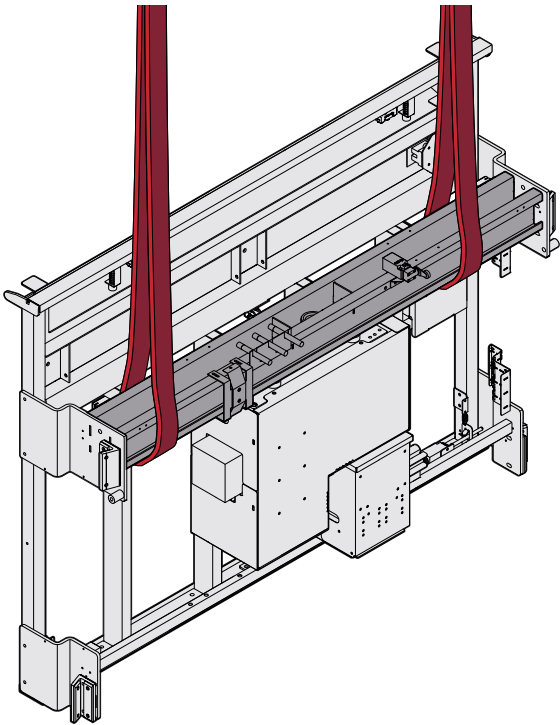
To move the footplate backrest, follow the instructions in § 6.10.

6.11. Platform wall (with mechanics) - handling


CAUTION			WEAR APPROPRIATE PPE		
	DANGER OF CRUSHING Move/lift the components using suitable lifting gear.				

For moving/lifting platform components we recommend the use of a winch/hoist anchored in the head (see Chapter 8) and a lifting sling bar .

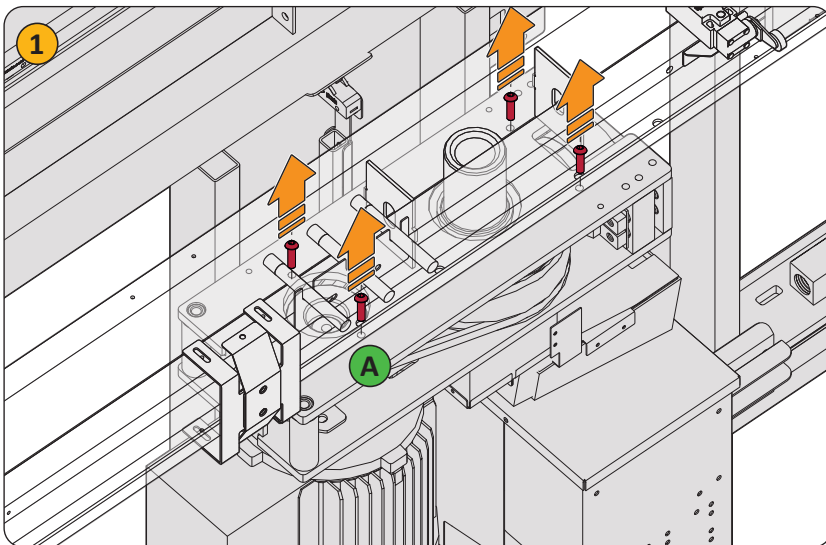


NOTICE	
	Attach the lifting slings to the motor beam and NOT to the hand control in order to avoid damage or deformation of the hand control.
	

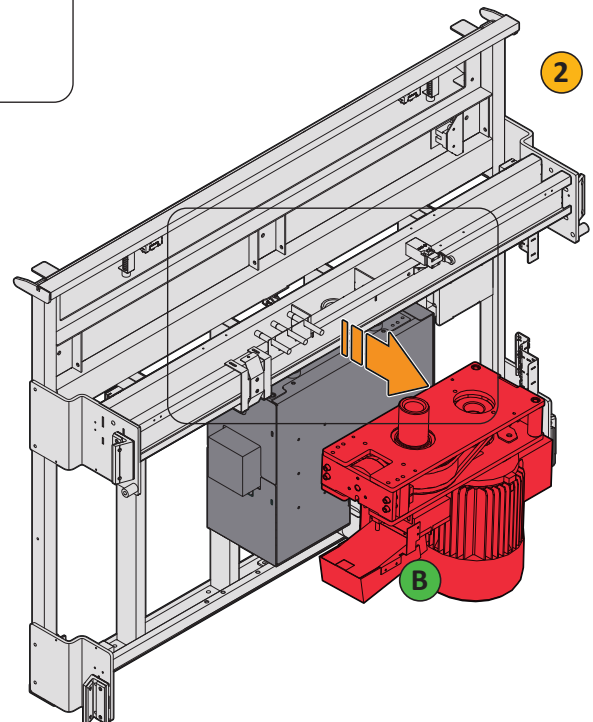
6.12. Motor unit - removal

CAUTION		WEAR APPROPRIATE PPE	
	DANGER OF CRUSHING Move/lift the components using suitable lifting gear..		  

- ① Remove the four screws securing the motor **A**.



- ② Remove the motor unit **B**.



- ③ Insert the new motor and secure it with the screws previously removed.

IMPORTANT!



For reassembly operations, carry out the previous steps in reverse order.
Always refer to the system installation manual::
 DomoFlex and IconLift - IM.TEC.125 - IM.TEC.138
 SimpLift - IM.TEC.139



HOMELIFTS & PLATFORM LIFTS MADE IN ITALY



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