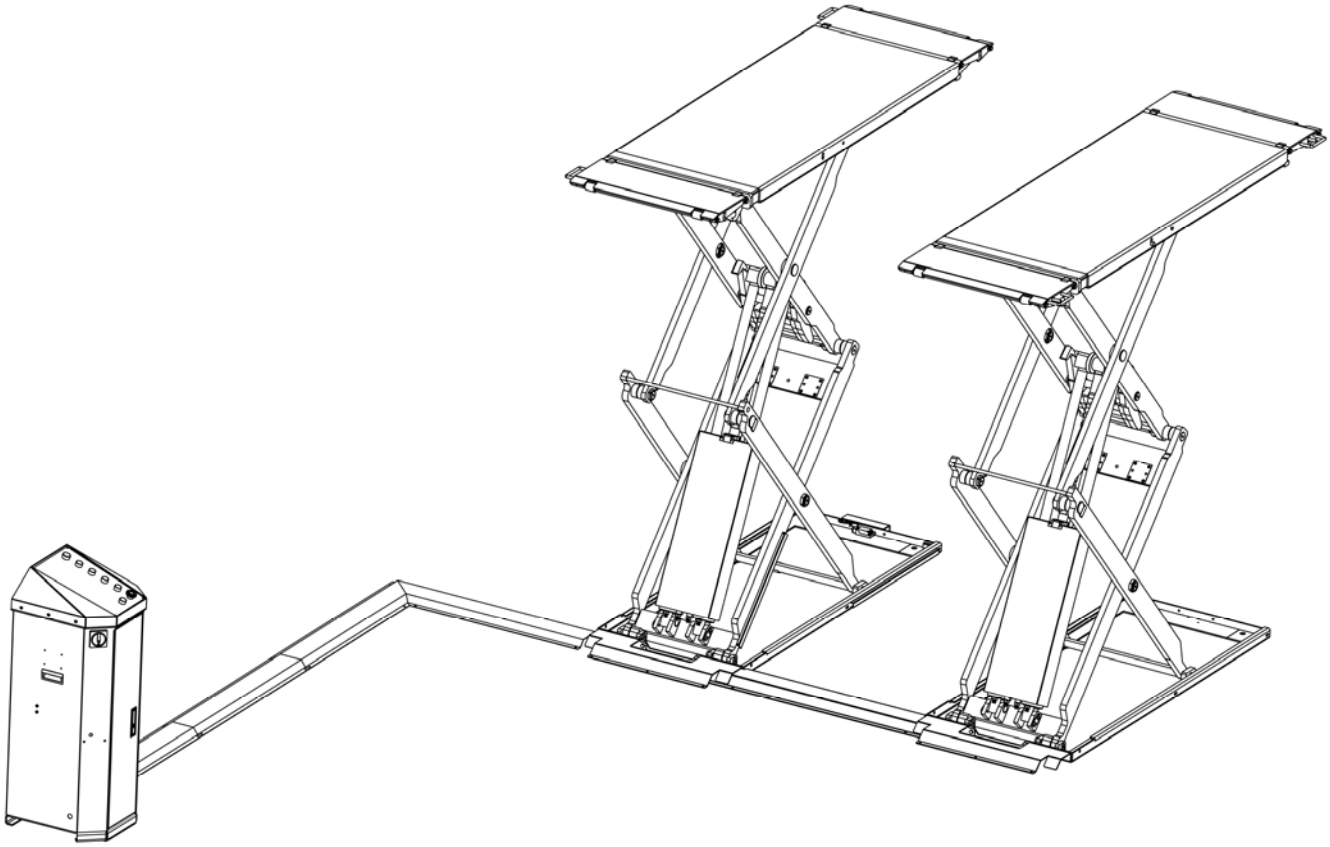
Model No. EE-6501

Short platform scissor lift
Low profile
Electrical release
Lifting capacity: 3500KG
Version 4

Installation, Operation and Parts Manual

EAE



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Please read this entire manual carefully and completely before installation or operation of the lift.

26.01.16

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IMPORTANT NOTES

Before start up, connecting and operating EAE products, it is absolutely essential that the operating instructions/owner's manual and, in particular the safety instructions are studied carefully. By doing so you can eliminate any uncertainties in handling EAE products and thus associated safety risks up front; something which is in the interest of you own safety and will ultimately help avoid damage to the device, When an EAE product is handed over to another person, not only the operating instructions but also the safety instructions and information on its designated use must be handed over to the person.

By using the product you agree the following conditions:

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Warranty

The use of non-approved hardware will result in a modification of our products and thus to the exclusion of any liability or warranty, even if such hardware has been removed again in the interim.

It is not permissible to make any changes to our products and these are not only to be used together with genuine accessories and genuine replacement parts. Otherwise any warranty claims will be invalid.

Liability

The liability of EAE is limit to the amount that the customer has actually paid for this product. This exclusion of liability does not apply to damages caused through willful misconduct or gross negligence on the part of EAE.

All information in this manual is believed to be correct at time of publication.
EAE reserves the right to amend and alter technical data and composition without prior notice.
Please confirm at time of ordering.

SAFETY NOTES

1.1 Operation of lifting platforms

This lift is specially designed for lifting motor vehicles. Users are not allowed to use it for any other purposes. The applicable national regulations, laws and directives must be observed.

Only users aged 18 or above who have been instructed on how to operate the lifting platform and have proven their ability to do so to the owner are to be entrusted with unsupervised operation of lifting platforms. The task of operating the lifting platforms must be granted in writing.

Before loading a vehicle onto the lifting platform, users should study the original operation instructions and familiarize themselves with the operating procedures in several trial runs.

Lift vehicle within the rated load. Don't attempt to raise vehicles with excessive weight.

1.2 Checking of the lifting platforms

Checks are to be based on the following directives and regulations:

- Basic principles for testing lifting platforms
- The basic health and safety requirements stipulated in the directive 2006/42/EC
- Harmonized European standards
- The applicable accident prevention regulations

The checks are to be organized by the user of the lifting platform. The user is responsible for appointing an expert or qualified person to perform checking. It must be ensure that the person chosen satisfies the requirements.

The user bears special responsibility if employees of the company are appointed as experts or qualified persons.

1.2.1 Scope of checking

Regular checking essentially involves performing a visual inspection and a functional test. This includes checking the condition of the components and equipment, checking that the safety systems are complete and functioning properly and that the inspection log book is completely filled in. The scope of exceptional checking depends on the nature and extent of any structural modification or repair work.

1.2.2 Regular checking

After initial commissioning, lifting platforms are to be checked by a qualified person at intervals of not longer than one year.

A qualified person is somebody with the training and experience required to possess sufficient knowledge of lifting platforms and who is sufficiently familiar with the pertinent national regulations, accident prevention regulations and generally acknowledged rules of engineering to be able to assess the safe operating condition of lifting platforms.

1.2.3 Exceptional checking

Lifting platforms with a lift height of more than 2 meters and lifting platforms intended for use with people standing under the load bearing elements of the load are to be checked by an expert prior or reuse following structural modifications and major repairs to load bearing components.

An expert is somebody with the training and experience required to possess specialist knowledge of lifting platforms and who is sufficiently familiar with the pertinent national work safety regulations, accident prevention regulations and generally acknowledged rules of engineering to be able to check and give an expert option on lifting platforms.

1.3 Important safety notices

1.3.1 Recommend for indoor use only. Do not expose the lift to rain, snow or excessive moisture.

1.3.2 Only use this lift on a surface that is stable and capable of sustaining the load. Do not install the lift on any asphalt surface.

1.3.3 Read and understand all safety warnings before operating the lift.

1.3.4 Do not leave the controls while the lift is still in motion.

1.3.5 Keep hands and feet away from any moving parts. Keep feet clear of the lift when lowering.

1.3.6 Only these properly trained personnel can operate the lift.

1.3.7 Do not wear unfit clothes such as large clothes with flounces, tires, etc., which could be caught by moving parts of the lift.

1.3.8 To prevent evitable incidents, surrounding areas of the lift must be tidy and with nothing unconcerned.

1.3.9 The lift is simply designed to lift the entire body of vehicles, with its maximum weight within the lifting capacity.

1.3.10 Always insure the safety locks are engaged before any attempt to work near or under the vehicle. Never remove safety related components from the lift. Do not use if safety related components are damaged or missing.

1.3.11 Do not rock the vehicle while on the lift or remove any heavy component from vehicle that may cause excessive weight shift.

1.3.12 Check at any time the parts of the lift to ensure the agility of moving parts and the performance of synchronization. Ensure regular maintenance and if anything abnormal occurs, stop using the lift immediately and contact our dealers for help.

1.3.13 Lower the lift to its lowest position and do remember to cut off the power source when service finishes.

1.3.14 Do not modify any parts of the lift without manufacturer’s advice.

1.3.15 If the lift is going to be left unused for a long time, users are required to:

a. Disconnect the power;

b. Empty the oil tank;

c. Lubricate the moving parts with hydraulic oil.

WARNING：The warnings, cautions and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

1.4 Warning labels

All safety warning labels are clearly depicted on the lift to ensure that the operator is aware of and avoid the dangers of using the lift in an incorrect manner. The labels must be kept clean and they have to be replaced if detached or damaged. Please read carefully the meaning of each label and remember them for future operation.

1.5 Potential safety risks

1.5.1 Mains voltage


Insulation damage and other faults may result in accessible components being live

Safety measures:

- Only ever use the power cord provided or a tested power cord.
- Replace wires with damaged insulation.
- Do not open the operating unit.

1.5.2 Risk of injury, danger of crushing


In the event of excessive vehicle weight, incorrect mounting of the vehicle or on removing heavy object, there is a risk of the vehicle falling off the lifting platform or tipping up.

Safety measures:

- The lifting platform is only ever to be employed for the intended purpose.
- Carefully study and heed all the information given in section 1.4.
- Observe the warning notices for operation.

1.6 Noise level

Noise emitted during operating the lift should be less than 70dB (A). For your health consideration, it is suggested to place a noise detector in your working area.

PACKING, STORAGE AND TRANSPORTATION

Packing, lifting, handling, transporting operations must be performed only by experienced personnel with appropriate knowledge of the lift and after reading this manual.

2.1 The lift is packed by 2 sections for shipping

Name	*Packed by*	*Dimension(mm)*	*Quantity*
Control cabinet	*Wooden case*	*500*470*1020*	*1*
Lifting platforms and hose covers	*Carton with wooden base*	*2110*720*350*	*2*

2.2 Storage

The packs must be kept in a covered and protected area in a temperature range of -10℃to +40℃. They must not be exposed to direct sunlight, rain or water.

Stacking the packs

We advise against stacking because the packs are not designed for this type of storage. The narrow base, heavy weight and large size of the packs make stacking difficult and potentially dangerous.

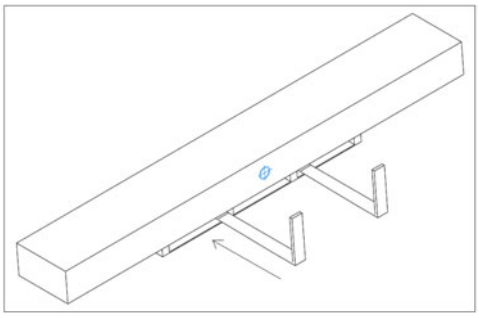
If stacking is unavoidable, use all appropriate precautions:

-never stack to more than 2 meters in height.

-never make stacks of single packs. Always stack pairs of packs in a cross pattern so that the base is bigger and the resulting stack is more stable. Once the stack is complete, restrain it using straps, ropes or other suitable methods.

2.3 Lifting and handling

The packs can be lifted and transported only by using fork trucks.



Opening the packs

When the lift is delivered make sure that it has not been damaged during transportation and that all the parts specified on the packing list are present.

Packs must be opened adopting all the precautions required to avoid injury to persons (Keep at a safe distance when cutting the straps) or damage to parts of the machine. (Be careful that no parts are dropped while you are opening the packing)

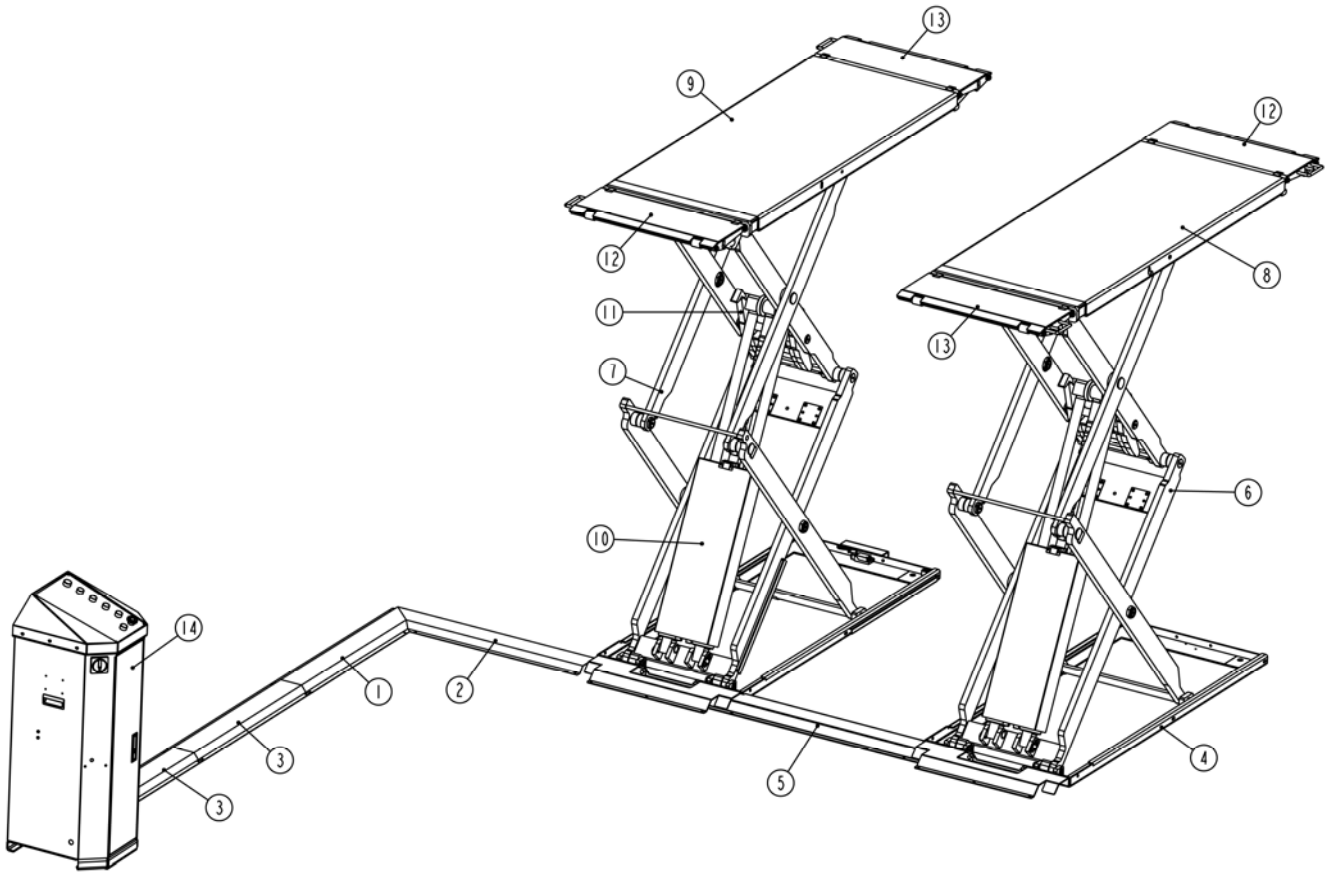
Take special care with the power unit, the control panel and the hydraulic cylinder.

PRODUCT DESCRIPTIONS

3.1 General descriptions

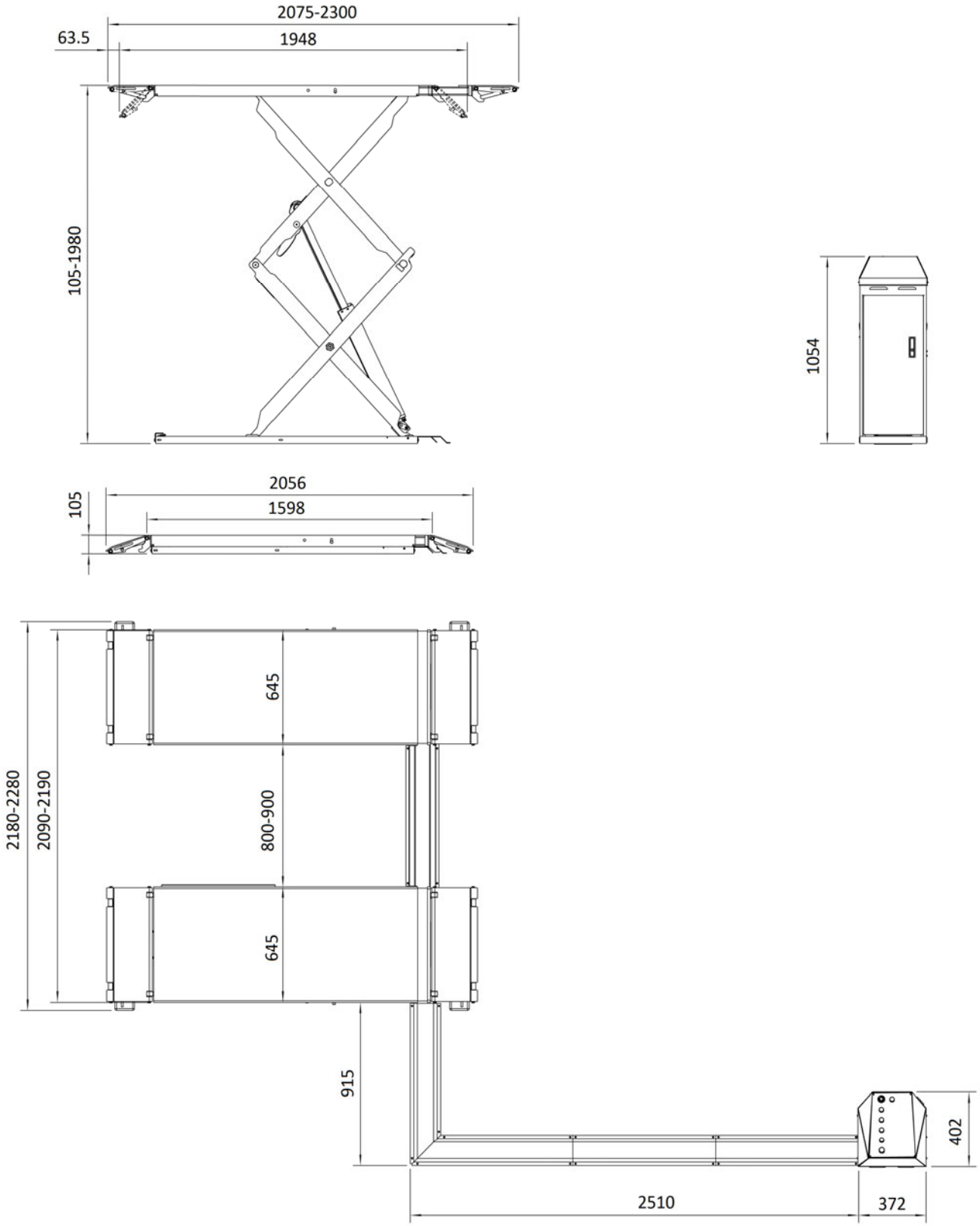
This chassis-support vehicle lift, designed for permanent floor mounting, features two synchronized lifting platforms controlled by a centralized power and control cabinet. Hydraulically powered by a gear pump, the system smoothly elevates the platforms via scissor lift mechanisms and oil cylinders. Integrated adjustable ramps at each platform end provide continuous support for longer vehicles.
A comprehensive safety system ensures operator security, incorporating 24V low-voltage control, a low-height switch with warning buzzer, mechanical latches, a photo-electric sensor for synchronization protection, and flow-restrictive valves for controlled descent.

3.2 Construction of the lift



1.Hose cover B
2.Hose cover C
3.Hose cover A
4.Base frame assembly
5.Central hose cover
6.Scissor arm assembly A
7.Scissor arm assembly B
8.Platform assembly A
9.Platform assembly B
10.Hydraulic cylinder assembly
11.Start plate assembly
12.Ramp A assembly
13.Ramp B assembly
14.Control cabinet

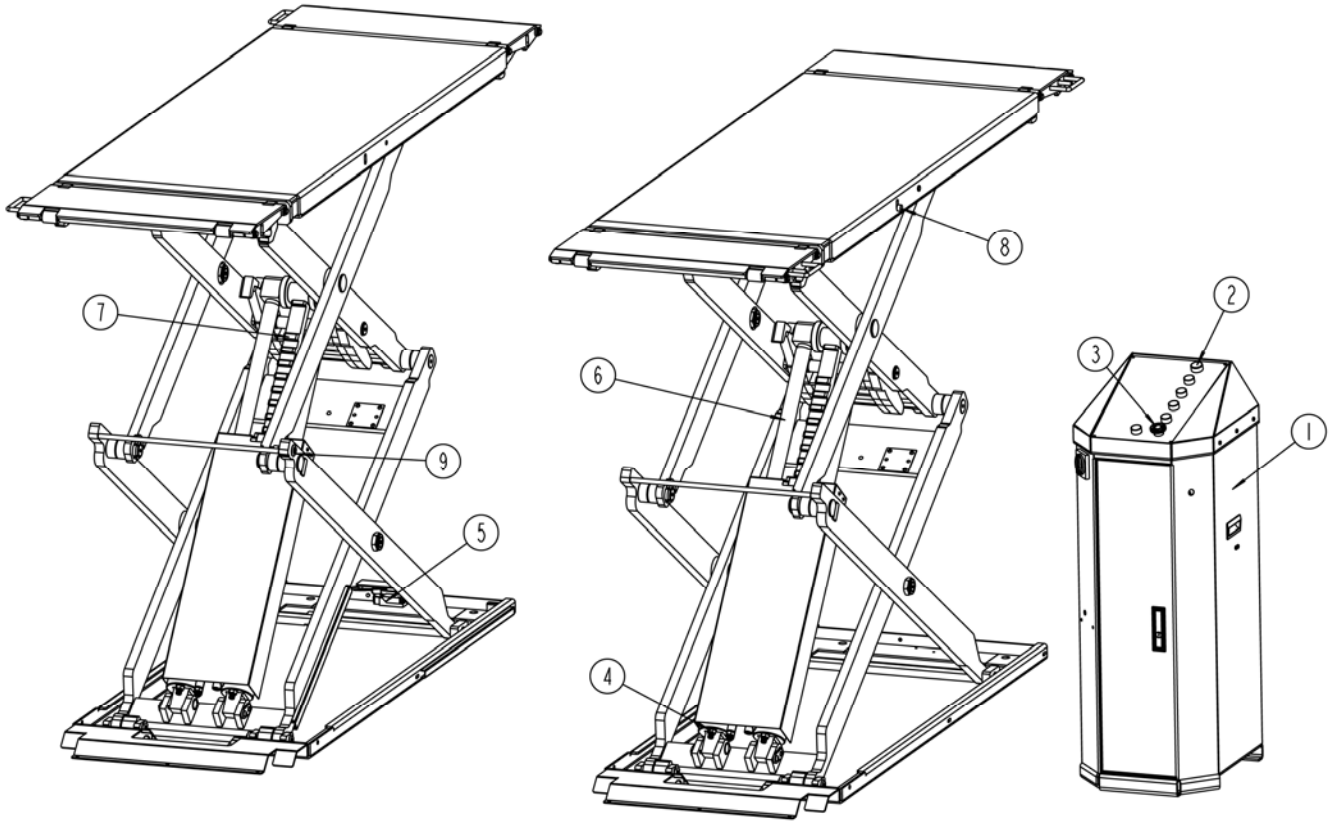
3.3 Dimensions



3.4 Technical data

Rated load capacity	3500kg
Max height of the platform	1980mm
Initial height of the platform	105mm
Full raise time with load	55s (3.0kW/1Ph)
	45s (3.5kW/3Ph)
Full lower time with load	30s-40s (adjustable)
Max hydraulic working pressure	29 MPa
Oil tank volume	10L

3.5 Safety devices descriptions



Pos.	Safety device	Function
1	24V Control Circuit	Provide safe touch voltage for operator controls.
2	Alarm buzzer	Audible alarm for the final travel of lowering.
3	Emergency Stop Button	Disconnect operation power in emergency conditions.
4	Restrictive valve	Ensures a controlled, safe descent. Prevent sudden dropping due to a circuit leak or pressure loss.
5	Safe descent limit switch	Stops descent at a safe height for foot protection Final lowering requires intentional activation of a secondary down button (DOWN II)—a process accompanied by an audible alarm to ensure nearby personnel stay clear of moving parts.
6	Automatic synchronization cylinder	Push UP button to raise the platform to its maximum height to purge air from the system. The cylinder automatically maintains synchronization between the lifting platforms during operations.
7	Mechanical locking device	Secure the platform in position to prevent uncontrolled descent in the event of hydraulic failure.
8	Latching device	Prevent extending bracket from moving.
9	Photo-electric sensor	Monitor platform leveling and stops operation if excessive height deviation occurs to prevent vehicle tip-over.

INSTALLATION INSTRUCTIONS

4.1 Preparations before installation

4.1.1 Space requirements.

• This lift must be installed and used indoors only.

• Do not expose to rain, snow, or damp conditions.

• Operation near explosives or open flammable liquids is strictly prohibited.

Please refer to Section 3.3 for specific dimensions of the lift. The installation site must provide sufficient space for vehicle access and lifting operations, and must comply with all applicable local regulations regarding safety clearances. It is recommended to maintain a minimum clearance of at least 1 meter between all lifting positions of the lift and any fixed structures (e.g., walls).

To stop vehicles colliding with the ceiling, it is advisable to fit an overhead light barrier in low ceiling buildings.

4.1.2 Foundations and connections

The user must have the following work performed before erecting the lift.

- Construction of the foundation following consultation with the manufacturer's customer service or an authorized service agent. Routing of the wiring to the installation location. The user must provide fuse protection for the connection. *Electrical system connection must be done by licensed technicians.* Requirements for power supply cable of the installation site: at least 2.5mm^2 wire core for 3Ph power and 4.0mm^2 wire core for 1Ph power.
- Refer also to the corresponding information on the name plate and in the operation instructions. Before doing electrical connection, make sure the lift is electrically adapt to the local power supply.

4.1.3 Foundations preparations

C25/C30 concrete foundation with a minimum thickness of 150mm.

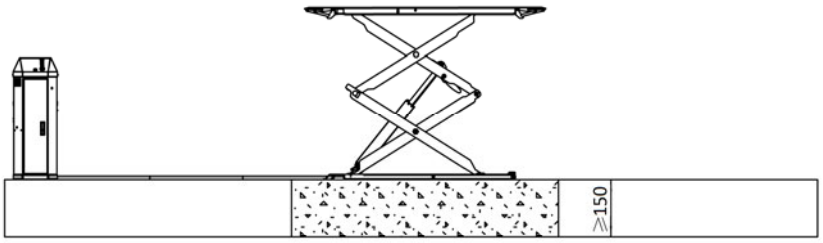
Surface: Horizontal and even. Maximum deviation across the entire base area shall not exceed 5mm.

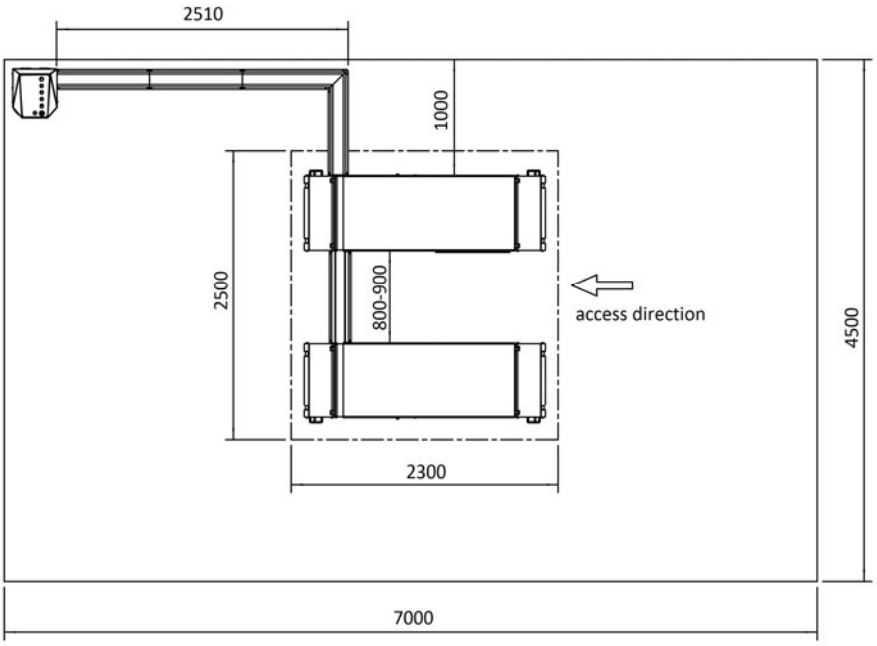
The newly poured concrete requires a curing period of more than 20 days.

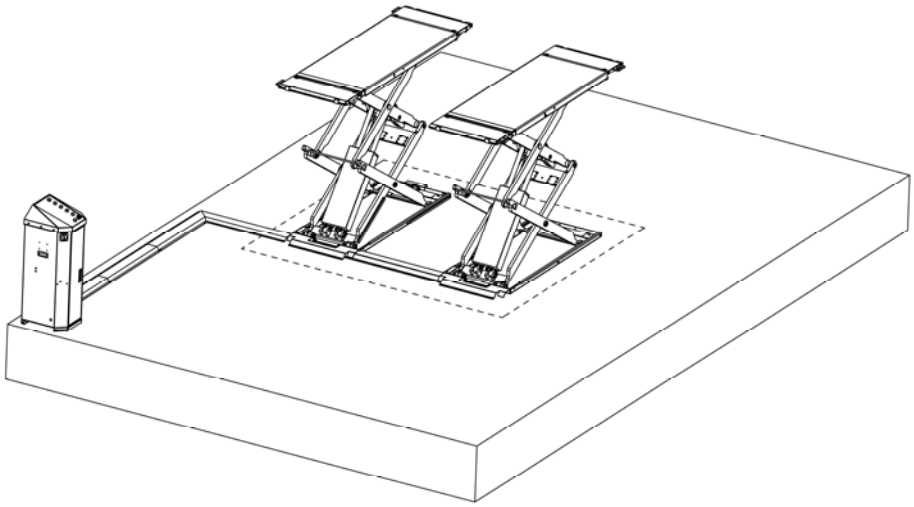
Surface mounting

The area enclosed by the dash line (2300mm*2500mm) shall have a minimum concrete thickness of 150mm.

The edge of the bolt installation hole must be at least 200mm from the edge of the concrete member or any expansion seam.







4.1.4 Tools and equipment needed for installation

Tool name	Specification	Quantity needed
Electrical drill	D16 drill bit.	1
Open spanner	D17-19mm	2
Adjustable spanner	**Opens to 30 mm or wider**	1
Cross socket screw driver	PH2	1
Quick spanner handle adapter/ Ratchet	REB-310	1
Socket spanner	D24mm	1
Levelling device	Accuracy：1mm	1
Hammer	10 pounds	1
Truck lift	Capacity: ≥ 1,000 kg	1
Lifting strap	Capacity: 1,000 kg	2
Torque spanner	MD400	1

4.1.5 Checking parts list

Unfold the package and check if any parts missed as per the following list. Do not hesitate to contact us in case any parts missed, but if you do not contact us and insist installing upon the lack of some parts, we as well as our dealers will not bear any responsibility for this and will charge for any parts subsequently demanded by the buyer.

Power and control cabinet package		
No.	Name	Qty
1	Control cabinet	1
2	Rubber pick-up pad	4
3	Expansion bolt	8
4	Plastic expansion tube	26
5	Cross socket cap head screw	26
6	Operation manual	1
7	Key	1
8	Oil tank label	1
Platform package		
No.	Name	Qty
1	Main platform	1
2	Secondary platform	1
3	Oil hose covers	5

4.2 Installation Checklist

Tighten all hydraulic hose fittings and connections to the specified torque.

Tighten all electrical terminals and conduit connections.

Verify that all structural screws, nuts, and bolts are properly tightened

DO NOT place any vehicle or load on the lift during trial running or initial power-up. The trial run must be performed with the lift platforms unloaded to verify proper operation and alignment.

4.3 General Installation Steps

Step 1: Dismantle the package of the lifting platforms.

Remove the carton and packing films wrapped on the platform.

Attention 1: Take off oil hose protectors when cut off the packing strips.

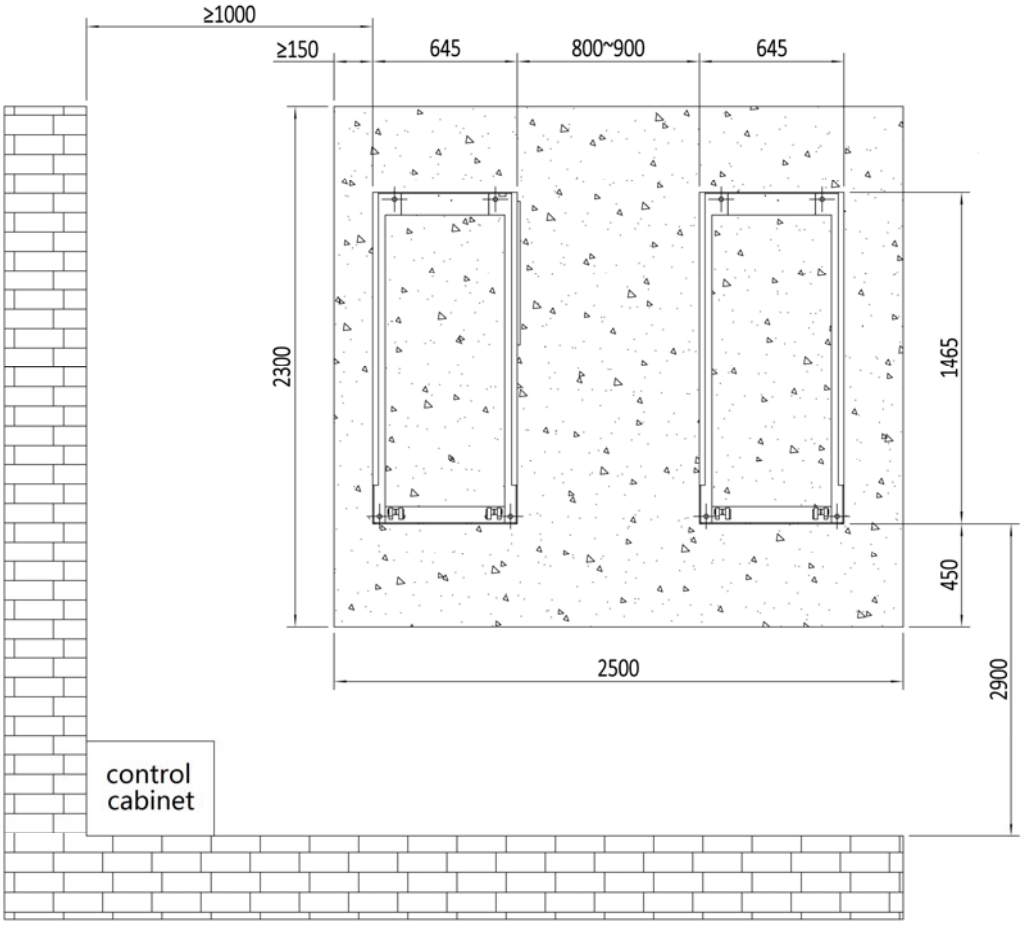
Attention 2: Avoid scratching the painting surface, hoses and other elements.

Step 2: Ascertain the mounting positions.

Refer to the following diagram to ascertain mounting positions.

The edge of the bolt installation hole must be at least 150mm from the edge of the concrete member or any expansion seam.

Check and confirm the relative positions of all anchor holes on the base frames. Use cross-marking lines to accurately mark the drilling center point for each hole.



Step 3: Place the lifting platform at expected installation site.

Raise the upper platform by using a forklift and 2 lifting straps until the mechanical lock is engaged. (Refer to the following **fig. 1 and 2)** Hoist the platform onto the expected installation site. Remove the bolts that fixed the lower platform and its wooden package, then hoist it to the installation site in the same way as the upper platform.

Attention 1: Before hoisting, make sure the hoses and wires are well protected against damage.

Attention 2: It is necessary to hold the platform during the hoisting process. Irrelevant person is not allowed in installation area.

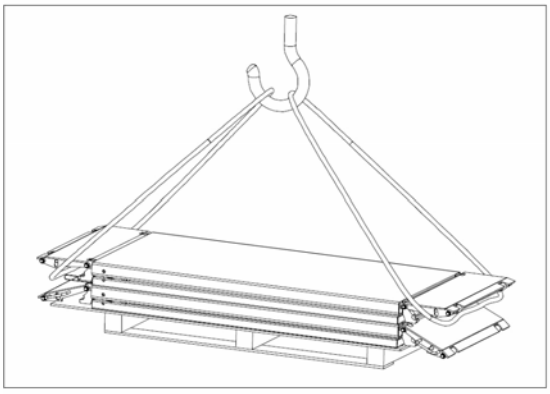


Fig 1

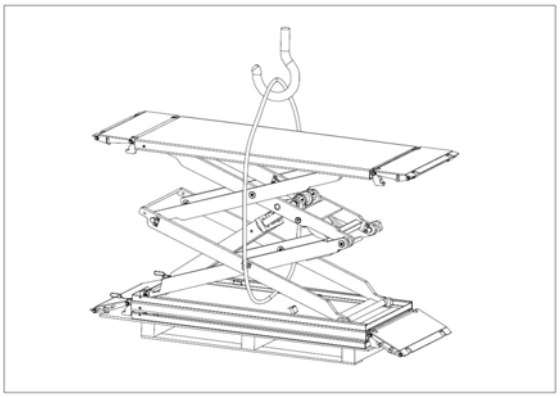


Fig2

Step 4: Open the package of the control cabinet and take out accessories in it.

Step 5: Connect oil hoses.

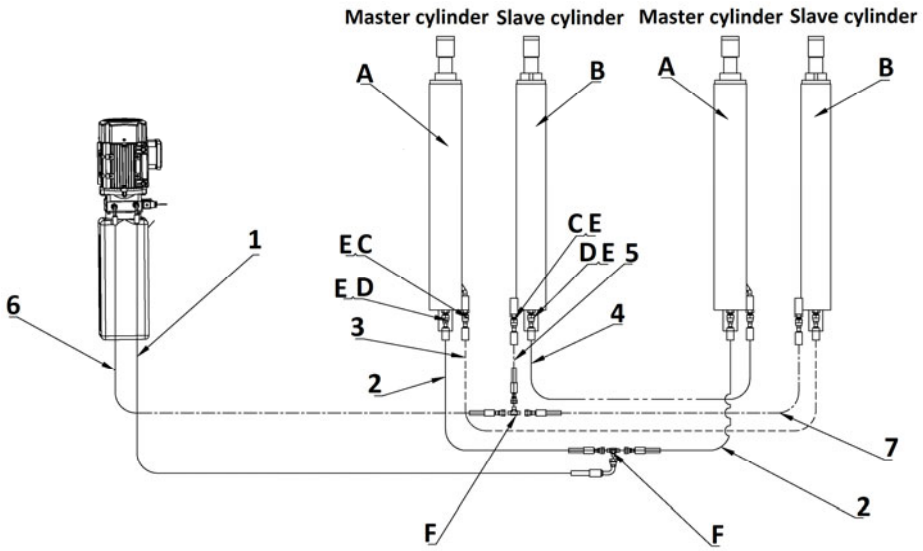
Refer to the following diagram to connect oil hoses.

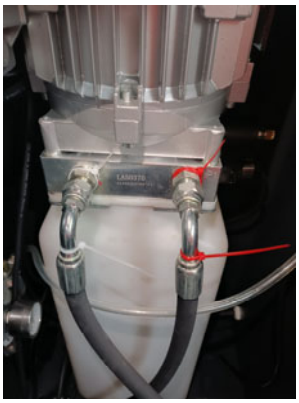
Don't let any solid substance go into the hydraulic line.

Connect as per the marks attached with the hoses and fittings.

It must be taken adequate care that all fittings shall be tightened. Severe leakage will occur if the hose fittings are not tightened.

Screw torque: 25-30Nm.





Step 6: Connect the electrical system.

Attention: ONLY qualified electricians are permitted to do the electrical connection.

Refer to electrical connection diagram (Annex 1.**) before making the connection.**

Read the nameplate and ensure the supply voltage is adapted to the lift.

Refer to Annex 1.

Connect fast connectors for the limit switch, the photo-electric sensor and electromagnets.

Connect power supply cable to the external electricity supply.

(For three phase power supply, if the lift doesn't raise and the motor may turn in the wrong direction, in such event, interchange wires U, V in the control cabinet).

Step 7: Fill with hydraulic oil.

CLEAN AND FRESH OIL ONLY. DON'T FILL THE TANK COMPLETELY FULL.

Lift must be fully lowered before changing or adding hydraulic oil

Prepare 12 liters of anti-abrasive hydraulic oil. It is suggested to use HM NO.46 hydraulic oil.

When the average temperature of the location is below 10℃, use HM NO.32 hydraulic oil.

Firstly, fill 10 liters oil into the oil tank. Add more oil after running the lift for several cycles until the lift can rise to the maximum lifting height.

Change the oil 6 months after initial use and change once per year thereafter.

Step 8: Levelling

Check the installation and connection of the hydraulic and electrical system before levelling operation.

All switches should be correctly installed and connected as per the instructions.

All the oil hoses should be correctly connected. Otherwise, severe risks of damage may occur.

Refer to operation instructions and get familiar with lift controls by running the lift through a few cycles before levelling operation.

⚠ WARNING!

If the platforms have been raised using external equipment, always press the UP button prior to lowering.

Failure to do this may damage the electromagnetic locking system.

Push the UP button to raise the platform to the maximum height position and keep on pushing the UP button for 30 more seconds.

Lower the platform completely to the bottom.

Raise the platform to check the synchronization.

If not being synchronized, continue pushing the UP button for another 5 seconds after the platform has been raised to the maximal height.

Repeat above operations until the two platforms run synchronously.

Step 9: Fix base frames with expansion bolts.

1. Raise the platform to the first latching position. All the mounting holes in the base frame are then accessible. Make sure the locking pawl is engaged.

2. Align the two lifting platforms and use cross-marking lines to accurately mark the drilling center point for each hole.

3. Use a D16 Carbide Drill Bit. Make sure to drill vertically down.

4. Hole Depth > Finish Layer Thickness + Baseplate Thickness + Minimum Anchor Embedment Depth + (5-10mm) Dust Allowance

(Note: This extra "Dust Allowance" ensures that dust at the bottom of the hole does not prevent the bolt from reaching its full embedment depth when fully set, guaranteeing maximum load capacity.)

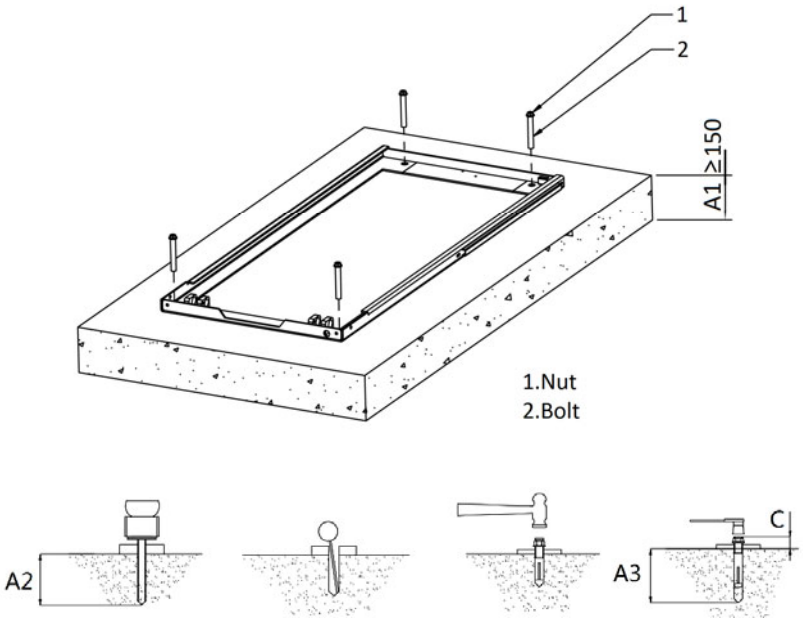
5. Remove all dust and debris from the hole (use compressed air e.g. a blow-up bulb or specialized air pump and a brush)

Warning! Residual dust in the hole may reduce the anchoring strength.

6. Verify all anchoring points and confirm the base frames are correctly positioned.

7. Insert the expansion bolt through the installation hole in base frame from above. Impact and drive anchoring bolt into the hole until its nut and washer contacts the base.

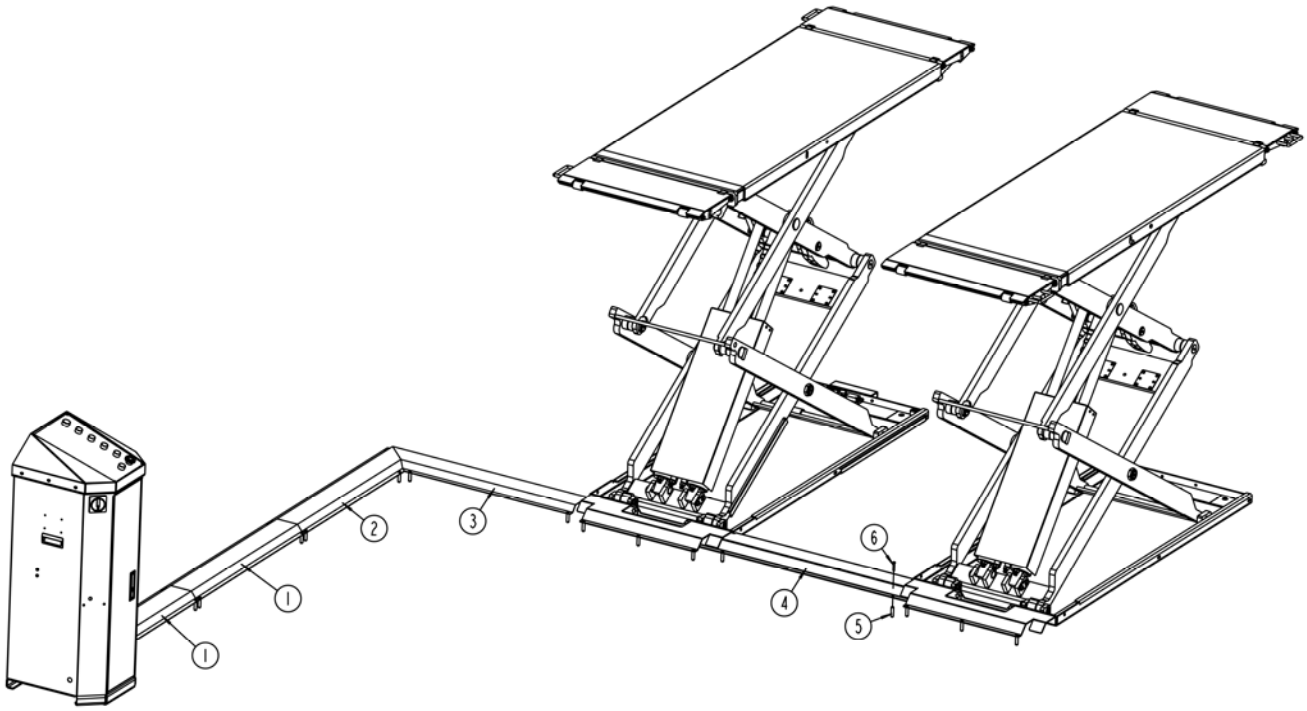
8. Tighten the nut with torque wrench to 60 -80Nm



Bolt specification	A1 (Foundation thickness)	A2 (Drilling depth)	A3 (Anchoring depth)	C
M16x120	≥150mm	110mm	85mm	≤40mm

Step 10: Fix oil hose protection covers.

1. Arrange the covers (pos.1, pos.2, pos.3 and pos.4 in the following fig.) neatly in their position on the ground.
2. Mark the exact anchor point on the ground.
3. Drill a vertical hole into the ground at each marked spot. Drill to the exact depth equal to the length of the plastic expansion tube (pos.5). You can wrap a piece of tape around the drill bit as a depth guide.
4. Use a brush, blower, or similar tool to thoroughly clean all dust and debris out of the hole. This is critical for the anchor to grip properly.
5. Insert the plastic expansion tube (pos.5) fully into the clean hole.
6. Insert the tapping screw (pos.6) through the hose covers and into the center of the plastic expansion tube (pos.5). Tighten it using a cross socket screw driver.
7. Continue tightening until all hose covers are fixed firmly to the ground.



1.	Hose cover A	4.	Hose cover 2
2.	Hose cover B	5.	Plastic expansion tube M10x40
3.	Hose cover C	6.	Cross socket cap head tapping screw

4.4 Items to be checked after installation.

S/N	Check items	YES	NO
1	Screw torque of expansion bolts: 60-80Nm;		
2	Rising speed ≥20mm/s;		
3	Noise under rated load ≤75dB(A);		
4	Grounding resistance: not bigger than 4Ω;		
5	Height difference of the two platform ≤5mm;		
6	Mechanical locks are robust and synchronized when running with rated load ;		
7	All control buttons works as “hold to run” ;		
8	The limit switches work well;		
9	The grounding wire is connected;		
10	The platforms rise and lower smoothly;		
11	There is no abnormal noise when run with load;		
12	There is no oil leakage when run with load;		
13	The expansion bolts, nuts or circlips are well secured or tightened;		
14	The max lifting height can be reached;		
15	All safety advices, name plate and logos are clear.		

OPERATION INSTRUCTIONS

5.1 Precautions

5.1.1 Read and digest the complete operation instructions before operating the lift.

5.1.2 Only authorized persons are permitted to operate the lift.

5.1.3 Do not try to raise the vehicle with excessive length or width.

5.1.4 The space above and below the load as well as of the loading carrying devices shall be free of obstructions.

5.1.5 Position supporting pads to pick-up positions recommended by vehicle manufacturers.

5.1.6 Check the vehicle after raising a short distance to ensure that it is corrected and safely positioned.

5.1.7 The load carrying device shall be observed by the operator throughout the motion of the lift.

5.1.8 Engage the safety locking mechanism before entering under the raised vehicle.

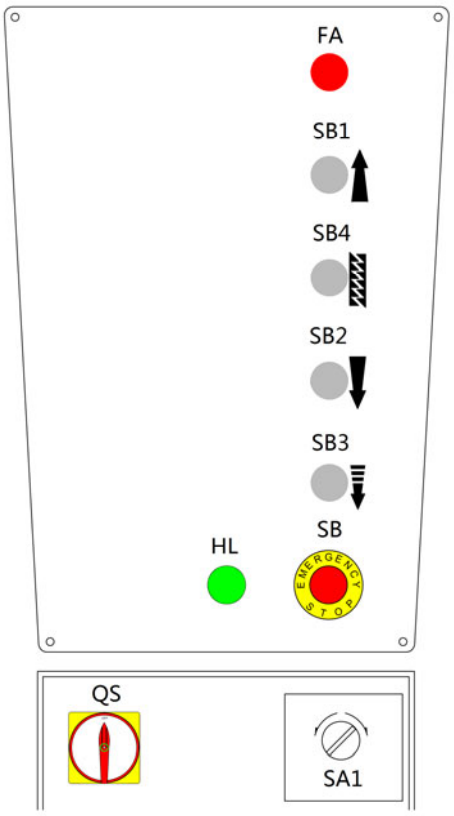
5.1.9 Always use safety stands before removing and installing heavy component which may cause uneven load distribution.

5.1.10 Avoid excessive rocking of vehicle while on the lift.

5.1.11 it is forbidden for people to stand in the field of motion during raising or lowering movement.

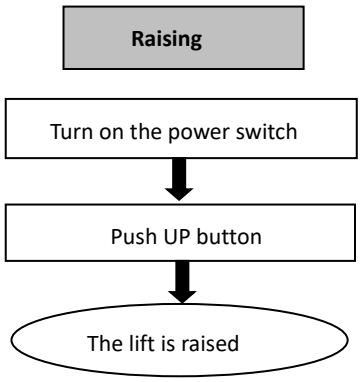
5.1.12 do not climb onto the load or load carrying device when they are raised.

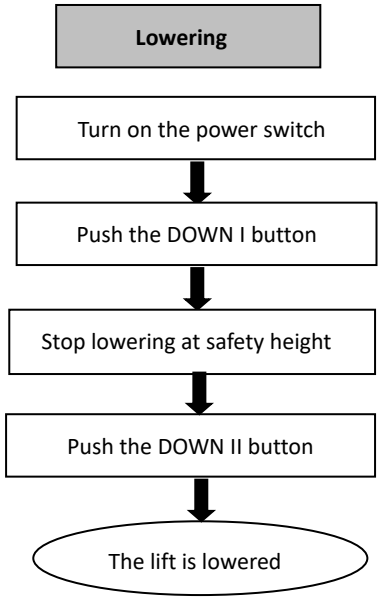
5.2 Operation instructions



Pos.	Name	Function
FA	Alarm buzzer	Acoustic warning
SB1	UP button	Control the rising movement
SB2	DOWN I button	Control the lowering movement
SB3	DOWN II button	Control the lowering movement (for safe descent)
SB4	Safety lock button	Engage the mechanical safety lock
SB	Emergency stop	Disconnect operative power
HL	Power indicator	Indicate if power is on.
QS	Power switch	Control main power
SA1	Rotary switch	Enable or disable the Photo-electric sensor

5.3 Flow chart for operation





5.4 Operation instructions

To avoid personal injury and/or property damage, permit only trained personnel to operate the lift.

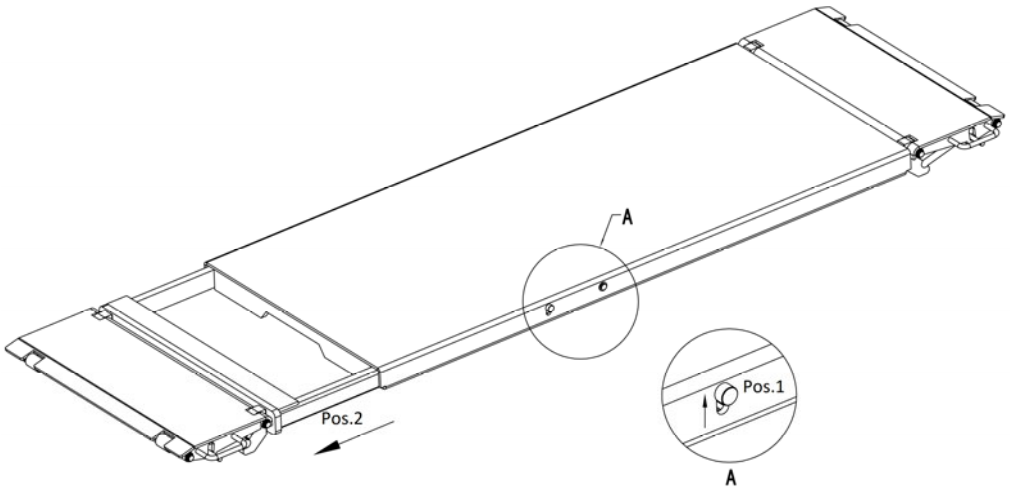
After reviewing these instructions, get familiar with lift controls by running the lift through a few cycles before loading vehicle on lift. Always lift the vehicle using all four supporters. Never raise just one end, one corner or one side of vehicle.

The lift must be only used in a static position for lifting and lowering vehicles.

Caution: Always remember to push the extending brackets back before driving on or off the platform, otherwise there could be risks of damage.

Correct use of the platform extensions.

1. Manually pull up the knob (Pos.1) to release the latching device and pull the extendable bracket until an expected position (Pos.2).
2. Put down the knob (Pos.1) to engage the latching device which prevents the extending device from moving.
3. It is not necessarily raise the knob (Pos.1) to push back the extendable brackets.



Pos.1 Knob for disengaging

Pos.2 Extendable bracket

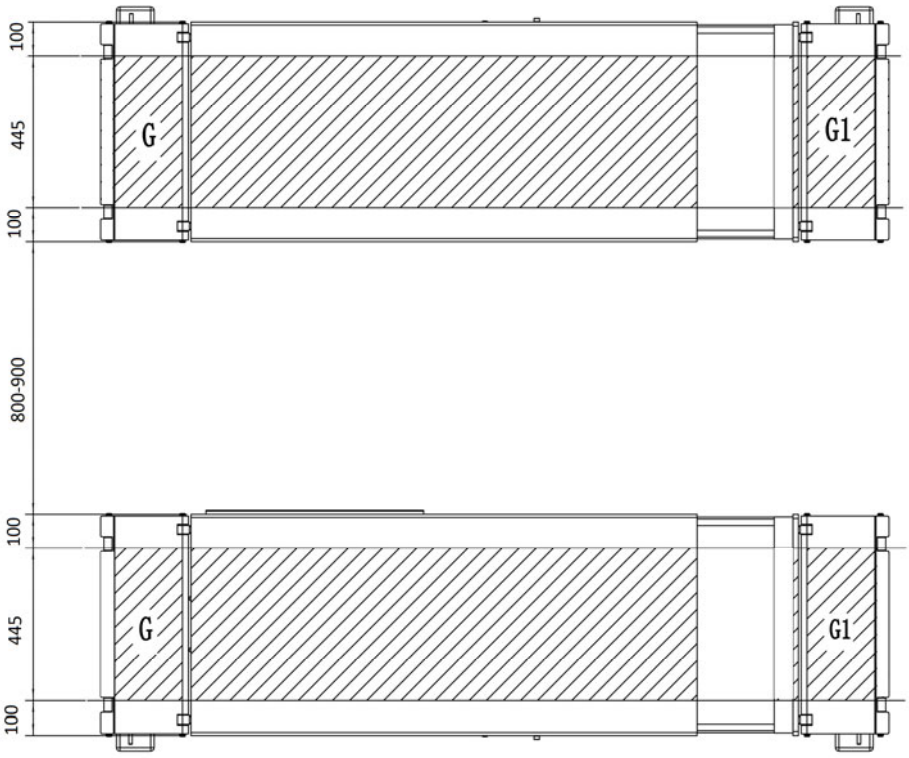
Load Zones and Maximum Load

To ensure stability and safe operation, the vehicle's support pads must be positioned within the designated Load Zones (areas marked with diagonal lines).

Please be noted that:

Main Platform (shaded area): Maximum load capacity (G) = 1,050 kg.

Extendable Side Section: Maximum load capacity (G1) = 1,050 kg



Proper Vehicle Positioning

A stable, centered load is essential for safe operation.

Distribute the vehicle's weight evenly between the front and rear supports. Use the vehicle's B-pillar (the vertical structure between the front and rear doors) as a reference landmark. Position the vehicle so the B-pillar is approximately midway between the front and rear lift supports.

Visually ensure an equal distance from the left-side tires to the left edge of the platform and from the right-side tires to the right edge. Use any centerline markings on the platform as a guide. The vehicle should appear symmetrical relative to the two platforms.

⚠ Safety Warning: Avoid Unbalanced Loading

An unbalanced vehicle can shift suddenly, overload lift components, and cause a serious failure. Do not proceed with lifting if the vehicle fails the following check.

⚠ Safety Warning: Avoid Eccentric Positioning

Significant imbalance or off-center positioning **must be avoided**, as it can:

Compromise stability, increasing the risk of vehicle tip or lift failure.

Cause uneven load distribution, overstressing lift components.

Lifting

1. Ensure all lift pads are securely and correctly positioned at the vehicle manufacturer's **specified lift points**.

2. Verify that no part of the vehicle (bumpers, skirts, doors) overhangs the lift platform in an unsafe manner that could cause imbalance or interference.

3. Double-check that the vehicle appears centered side-to-side and that its weight is balanced front-to-rear (using the B-pillar as a guide).

4. Press the “UP” button (SB1) to raise the lift platform until all pads firmly contact the vehicle's pick-up points. Stop at a low height.

5. **Stability Test at Low Height**

At low lift height (with pads contacting the lift points), gently press down on the front and rear bumpers.
Push down on the front bumper. The front compresses slightly on its suspension, and the rear end remains stable. There is no upward movement in the rear.
Push down on the rear bumper. The rear compresses slightly, and the front end remains stable. There is no upward movement in the front.

6. Once stability is confirmed, press the “UP” button (SB1) again to raise the vehicle to the expected working height.

7. Engage Mechanical Safety Lock.

8. Visually confirm all pads remain in correct contact. Give the vehicle a gentle, horizontal shake at the bumpers. It should be stable with no lateral movement

9. Perform maintenance or repair work underneath the vehicle only after all checks are satisfactory.

Lowering

⚠ Critical Check: Before initiating lowering, ensure all personnel, tools, and equipment are clear of the lift area and from underneath the vehicle. The operator must maintain clear sight of the entire descent path.

1. Press and hold the “DOWN I” button (SB2). The platform will automatically rise slightly to disengage the mechanical safety lock, then begin descending. Release the button to pause, or hold to continue lowering.

2. The descent will automatically pause at a safety height above the floor.

3. Press and hold the “DOWN II” button (SB3) to continue lowering to the floor. This final stage is accompanied by an acoustic warning from the alarm buzzer (FA). Keep the area clear until the platform is fully down.

4. Retract Extended Brackets (If Applicable): If extended brackets were extended to accommodate a long wheelbase vehicle, push them back to their retracted position.

5. Remove supporting pads and other tools from the lift area to provide an unobstructed exit path.

6. Safely drive the vehicle off the lift.

CAUTION!

Excessive height variation at the support points will activate the synchronization protection device, halting all movement. If this occurs, the normal operator must request assistance from maintenance personnel. Do not attempt to override this safety feature.
The following procedure is to be performed by authorized maintenance personnel to restore the lift to normal operation.
If the synchronization fault was caused by hydraulic leakage, you must locate and repair the leak before proceeding. Operating the lift with an active leak is unsafe and will cause the fault to reoccur.

Inspect for Obstructions.

Visually inspect the entire loading platform and the guiding mechanisms.

Remove any foreign objects or obstructions to ensure all moving parts can travel freely.

Deactivate the Safety Circuit.

Open the control cabinet door.

Turn the synchronization protection override switch (**SA1**) to the **OFF** position.

Re-synchronize the Platforms.

Carefully raise the lift until both platforms are level and fully synchronized.

Restore Normal Operation.

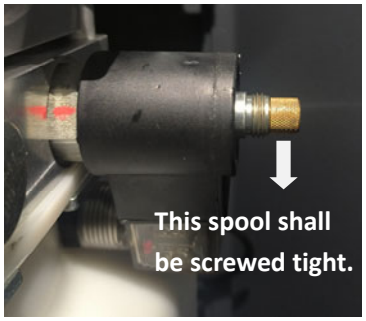
Once the platforms are level, turn switch **SA1** back to the **ON** position.

Close the control cabinet door. The lift is now ready for normal operation.

Note: If the problem persists after following this procedure, a more comprehensive mechanical or electrical inspection by qualified personnel is required.

TROUBLE SHOOTING

ATTENTION: If the trouble could not be fixed by yourself, please do not hesitate to contact us for help .We will offer our service at the earliest time we can. By the way, your troubles will be judged and solved much faster if you could provide us more details or pictures of the trouble.

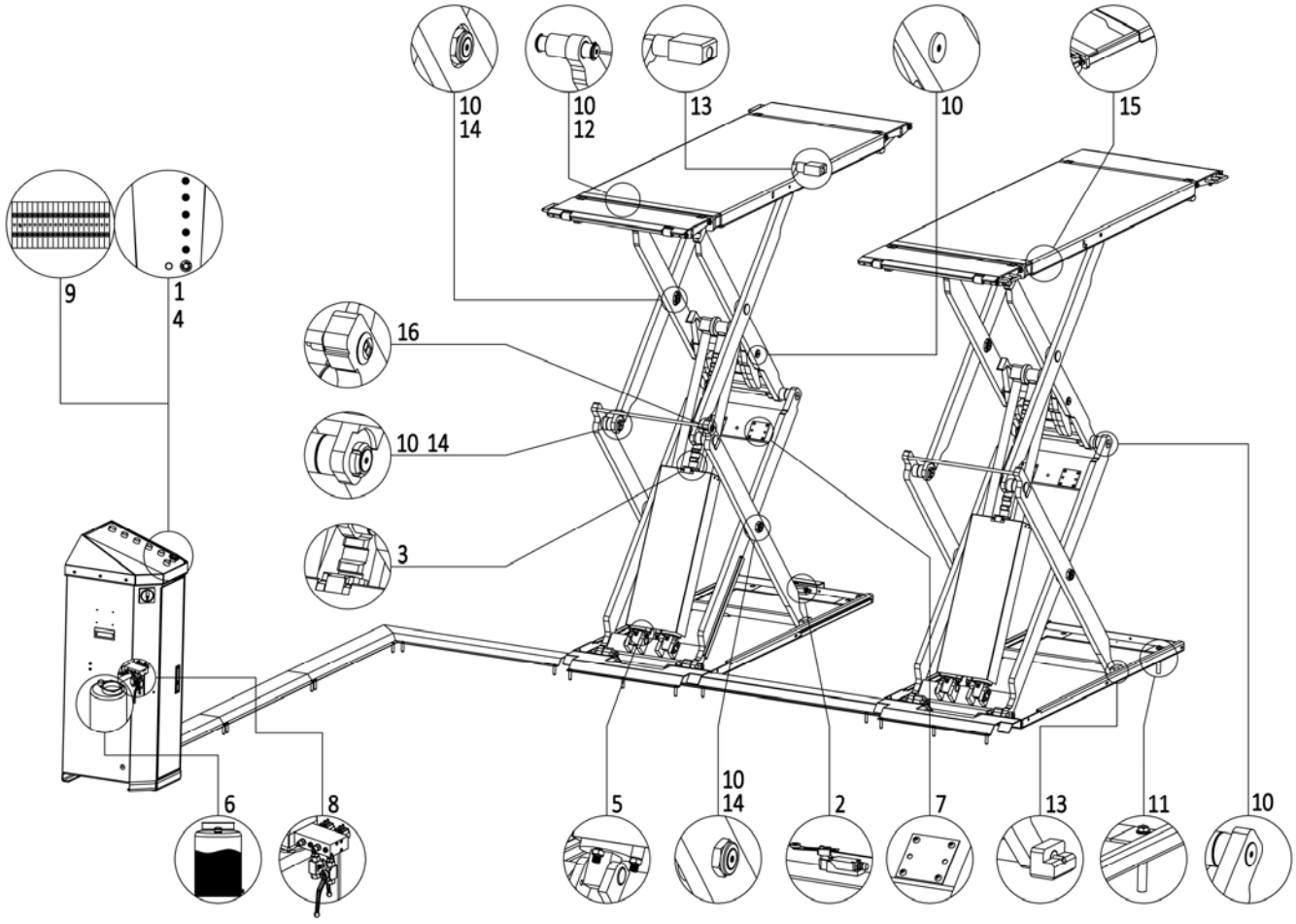
TROUBLES	POSSSIBLE CAUSES	SOLUTIONS
Motor does not run and will not rise.	Loose wire connection.	Check and reconnect the wire.
	Burnt motor.	Replace with a new motor.
Motor runs but will not rise.	The motor run reversely.	Adjust the wire connection.
	Relief valve is not well screwed up or jammed.	Clean or make adjustment.
	Damaged gear pump.	Replace with a new gear pump.
	Insufficient hydraulic oil.	Add oil.
	Loose oil-sucking pipe.	Tighten it.
	The cushion valve was not well screwed up or jammed.	Clean or tighten it.
	The spool, attached with the solenoid unloading valve, for emergency descent was not screwed tight	Tighten the spool. (Pos.4 in the hydraulic scheme, coded as 330311005). 
Platforms go down slowly after being raised.	Untightened hose connectors or leaking hoses.	Tighten the hose-connector or replace with a new hose.
	Untightened oil cylinder.	Replace with the new seal.
	The non-return valve leaks.	Clean or replace it.

TROUBLES	POSSSIBLE CAUSES	SOLUTIONS
	Relief valve fails to work well.	Clean or replace it.
	Solenoid unloading valve fails to work well.	Clean or replace it.
Rise too slow.	Jammed oil filter.	Clean or replace with a new filter.
	Insufficient hydraulic oil.	Add oil.
	Jammed relief valve.	Clean it.
	Too hot hydraulic oil (above 45°）.	Change the oil.
	Abraded cylinder seals.	Replace with the new seal.
	The spool, attached with the solenoid unloading valve, for emergency descent was not screwed tight	Tighten the spool(Pos.4 in the exploded scheme, coded as 330311005)
Lower too slow.	Jammed restrictive valve.	Clean or replace with a new restrictive valve.
	Dirty hydraulic oil.	Replace with fresh and clean oil.
	Jammed oil hose.	Replace with new oil hose.
Not lower	Disconnected wire connection to electromagnets or damaged electromagnets.	Reconnect the wire or replace it.
	Blocked restrictive valve.	Turn valve anticlockwise (Pos.25 in the hydraulic diagram).
	Jammed restrictive valve.	Replace it. (Pos.D in the hydraulic diagram).
	Loose wire connection of the solenoid unloading valve.	Reconnect the wire.

MAINTENANCE

The safe and reliable operation of your lift requires a consistent, effective maintenance program. Adherence to a regular, standardized inspection and maintenance schedule is essential to ensure sustained performance and safety. The Interval of maintenance may be adjusted to the lift's actual workload and operating intensity.

Lubricate moving parts with NO.1 lithium base grease before use.



Pos.	Components	Methods	Period
1	Control buttons	Check if control buttons work as "hold- to -run " and check if they work as the function indicated.	Every day
2	Safe descent limit switch	Push the DOWN I button, inspect and ensure the lifting platform stops descending at a proper height above ground.	Every day
3	Mechanical safety locking unit	Check if both mechanical locks can engage and disengage effectively and synchronously by pushing control buttons.	Every day
4	Alarming buzzer	Push DOWN II button to continue the lowering movement when the lifting platforms automatically stop lowering at safety height above the ground. Check if the buzzer alarms.	Every day

Pos.	Components	Methods	Period
5	Oil hose and its connectors	Inspect to ensure no leakage before using the lift.	Every day
6	Hydraulic oil	Change the oil 6 months after initial use and once per year thereafter. Inspect the hydraulic oil and change the oil if the oil becomes black or there is dirt in the oil tank.	Every year
7	Padding plate for the start roller	Check its tightness and add grease.	Every 3 months
8	Hydraulic block and valves	Inspect if the valves leak or not. Clean or change the valve if any leakage.	Every 3 months
9	Terminals in the control unit	Inspect the wire terminals and screw firmly if any terminals become loose in the control unit.	Every 3 months
10	Shafts	Inject into grease cups for lubrication	Every 3 months
11	Anchored expansion bolts	Check with torque spanner. Torque: 60-80N.m	Every 3 months
12	Circlips of shaft	Inspect if the Circlip goes off its groove. Make sure it is positioned in the groove.	Every 3 months
13	Sliders and their running tracks	Add grease to ensure smooth running. Change over-worn (wear more than 2mm) blocks.	Every 3 months
14	Lock nut	Inspect the wear to the nylon-loop. The end surface of the shaft were originally installed with its end staying over the nylon-loop. Replace the nut with a new one on condition it is worn and the shaft becomes loose.	Every year
15	Extendable bracket	Check if the extendable bracket can be pulled smoothly. Remove the tighten screws and release the latching device to dismantle the bracket, then lubricate the bracket (exclude the ratchet portion) with NO.1 lithium based grease.	Every 6 months
16	Photo-electric sensor	Check for accumulation of dust, dirt, moisture, oil, or chips. Clean as needed. Ensure the sensor is securely mounted and has not loosened or shifted, which could affect alignment.	Every 1 month
	Entire lifting system	Verify smooth operation and confirm synchronization between dual lifting platforms.	Every day

Rust Prevention

a) Always keep the painted surfaces dry and clean.

Permanent contact with liquids must be avoided.

Wipe any spilled liquids off platforms and crossbeams immediately.

Promptly remove debris and deposits known to damage to the paint and cause rust (e.g., de-icing salt, sand/soil/grit, industrial dust, aggressive deposits).

Cleaning Method

Use only lukewarm water with standard washing-up liquid or a mild, non-aggressive detergent. Apply with a sponge or soft brush.

Rinse thoroughly to remove all detergent residue.

Never use high-pressure jet washers, steam cleaners, abrasive cleaners, or chemical products.

Immediately dry the lift completely using a suitable cloth. Spray lightly with a wax-based or oil-based protective spray.

b) Regularly inspect the paintwork.

Avoid allowing sharp or hard metal components to scrape or impact the painted surfaces.

Avoid placing overheated light sources in proximity to the painted surfaces.

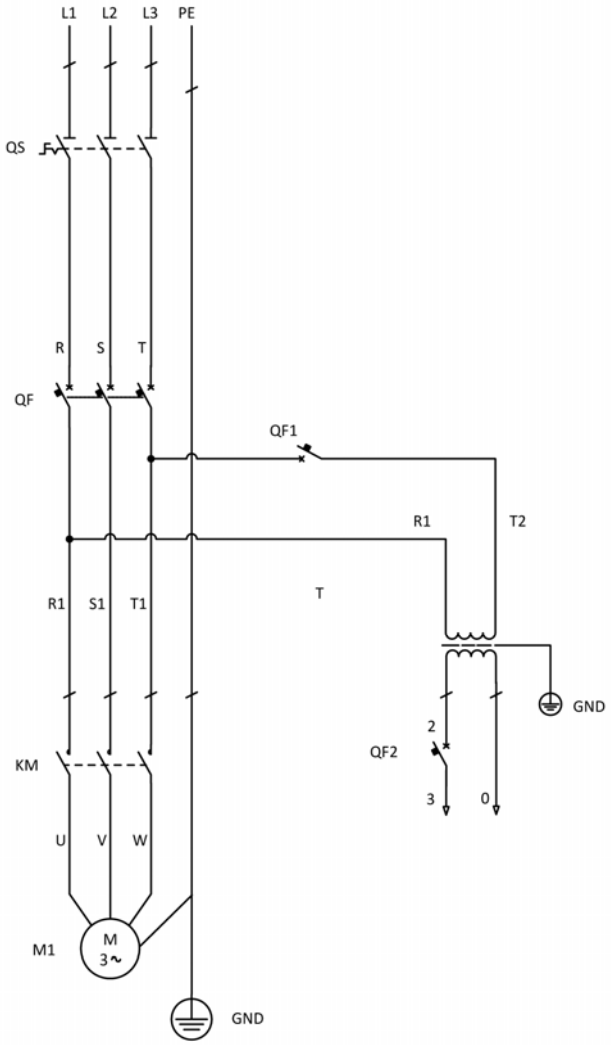
Deep scratches or damaged areas must be repaired promptly to prevent water ingress accelerating oxidation and rust formation.

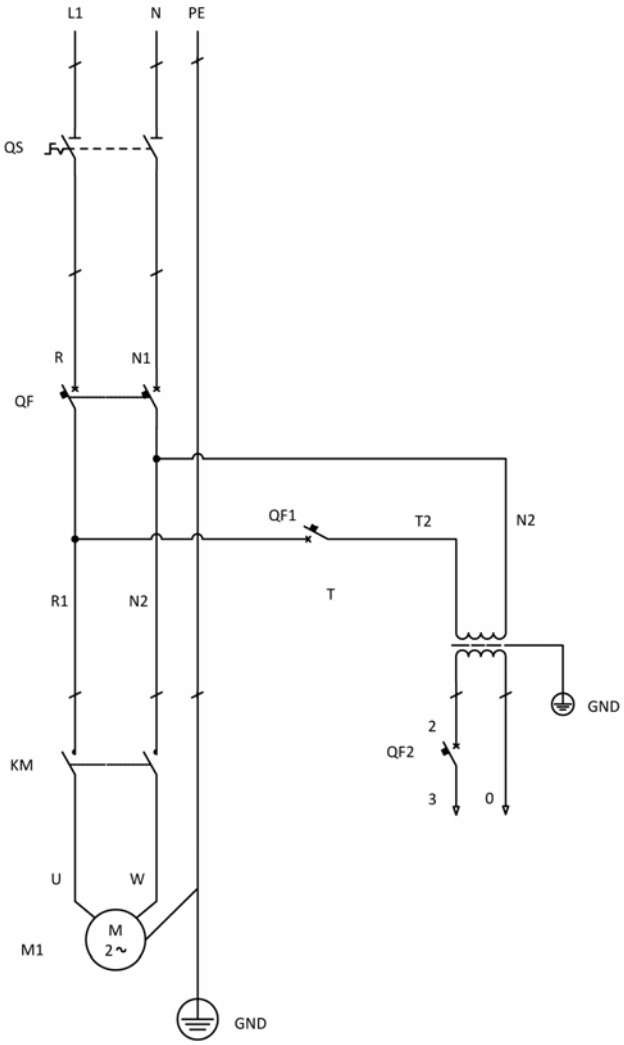
Epoxy resin paint is recommended for repairs.

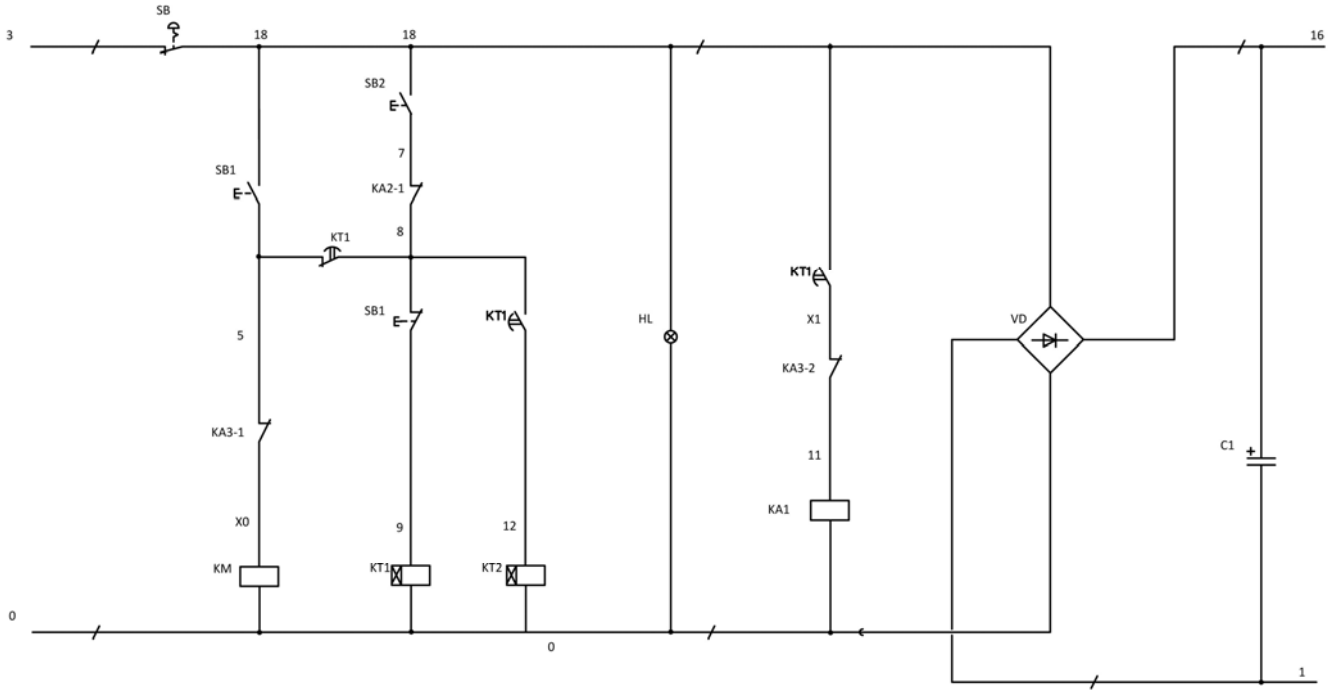
Damage (e.g., rust, fading) resulting from incorrect, poor maintenance or cleaning methods is not covered by guarantee.

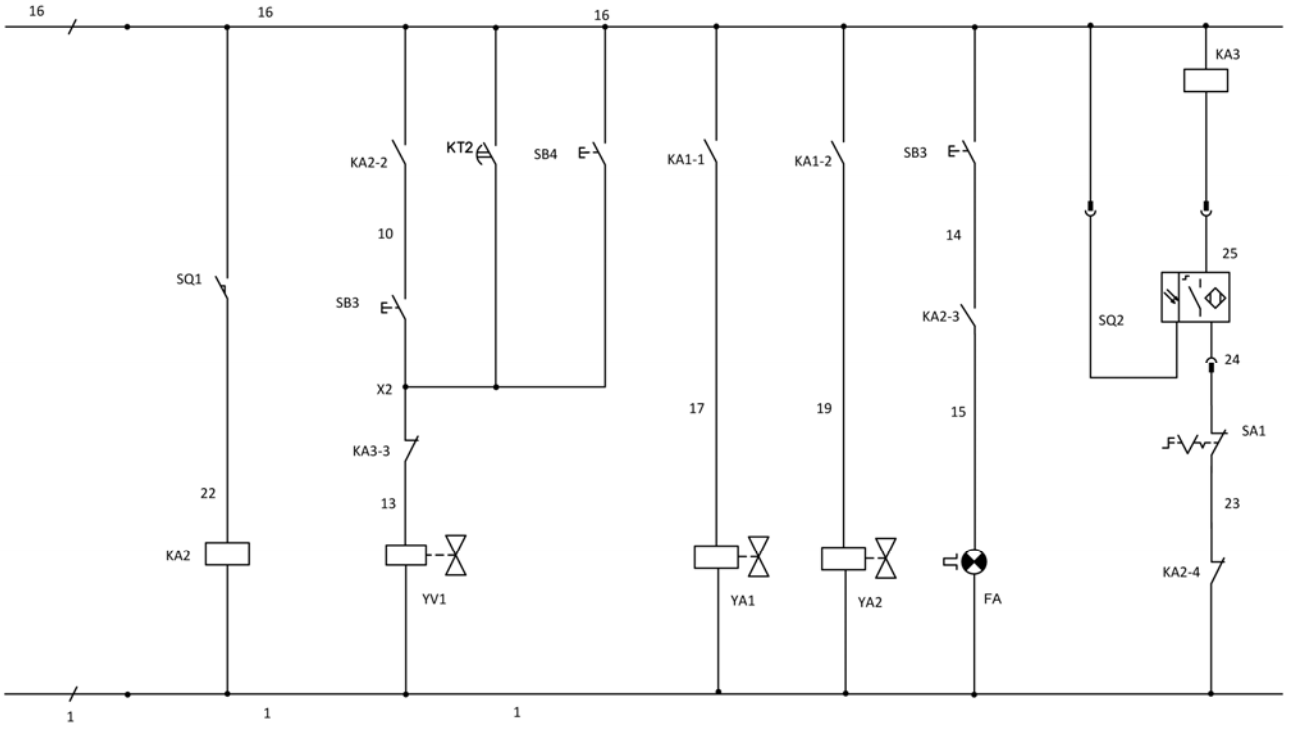
Consistent adherence to these maintenance requirements promotes optimal lift performance, enhances operational safety, and maximizes service life. Damage resulting from incorrect and poor maintenance is not covered by guarantee.

Annex 1, Electrical diagrams and parts list






SB
3
18
18
16
SB2
7
SB1
KA2-1
8
KT1
KT1
HL
X1
VD
5
KA3-2
KA3-1
11
C1
KA1
X0
9
12
KM
KT1
KT2
0
0
1


16
16
16
KA3
KA2-2
KT2
SB4
KA1-1
KA1-2
SB3
14
25
10
SQ1
SB3
KA2-3
SQ2
24
X2
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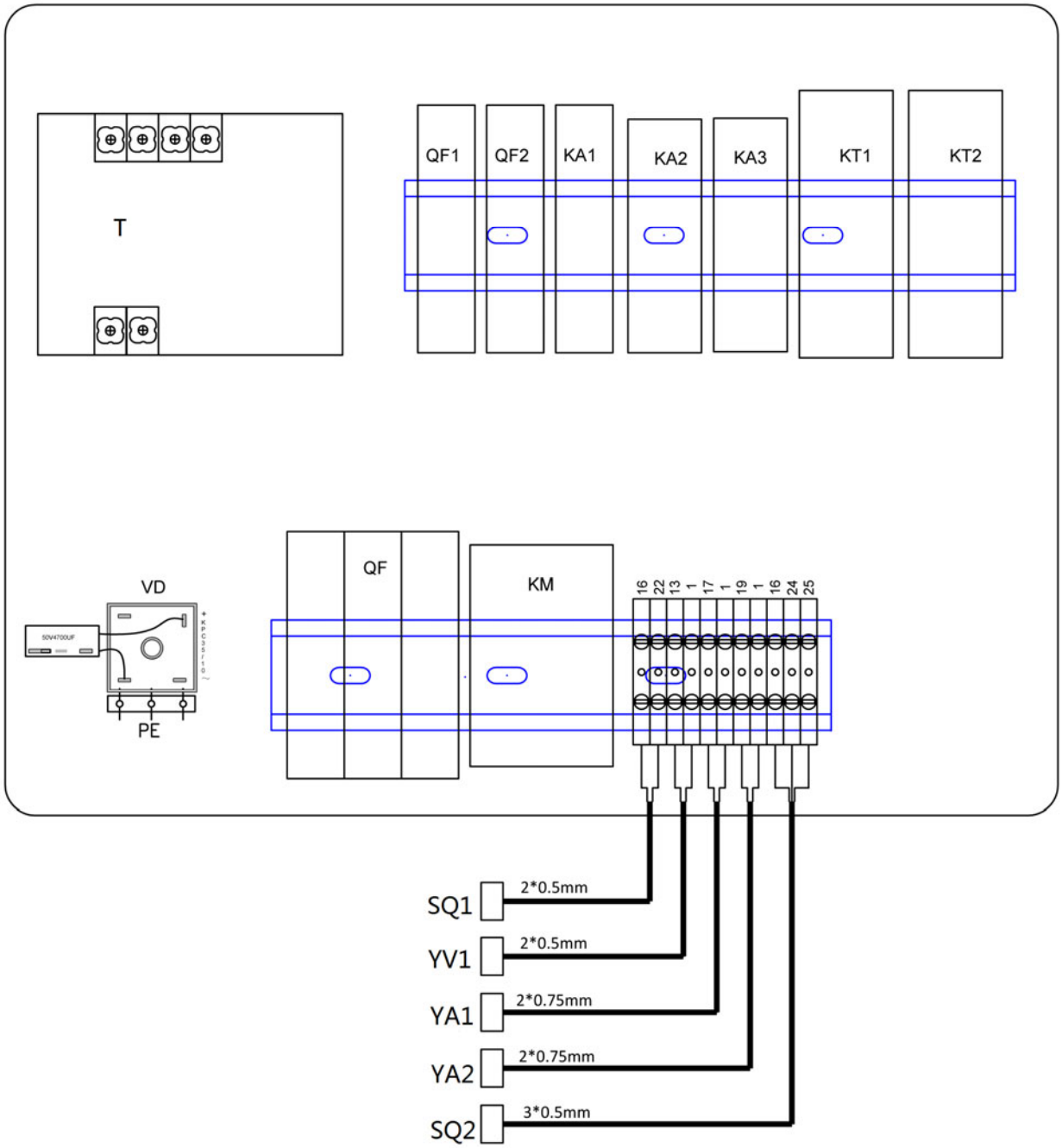
YV1
YA1
YA2
FA
KA2-4
1
1
1

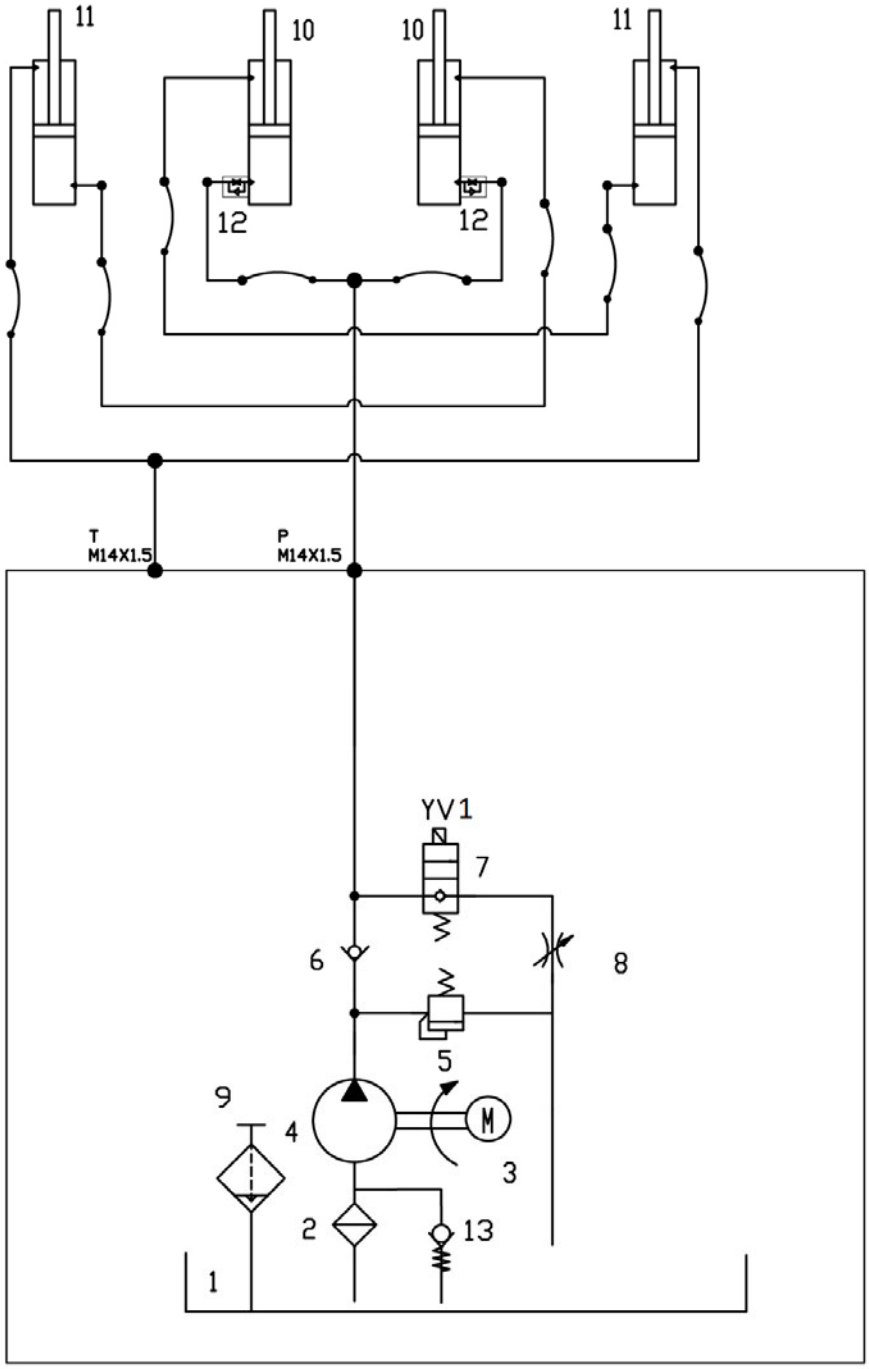


Power supply details (3Ph)		Power supply details (1Ph)	
Isolating main switch	20A	Isolating main switch	20A
Circuit breaker	C16/3P	Circuit breaker	C32/2P
Power cord	4*1.5mm^2	Power cord	3*2.5mm^2

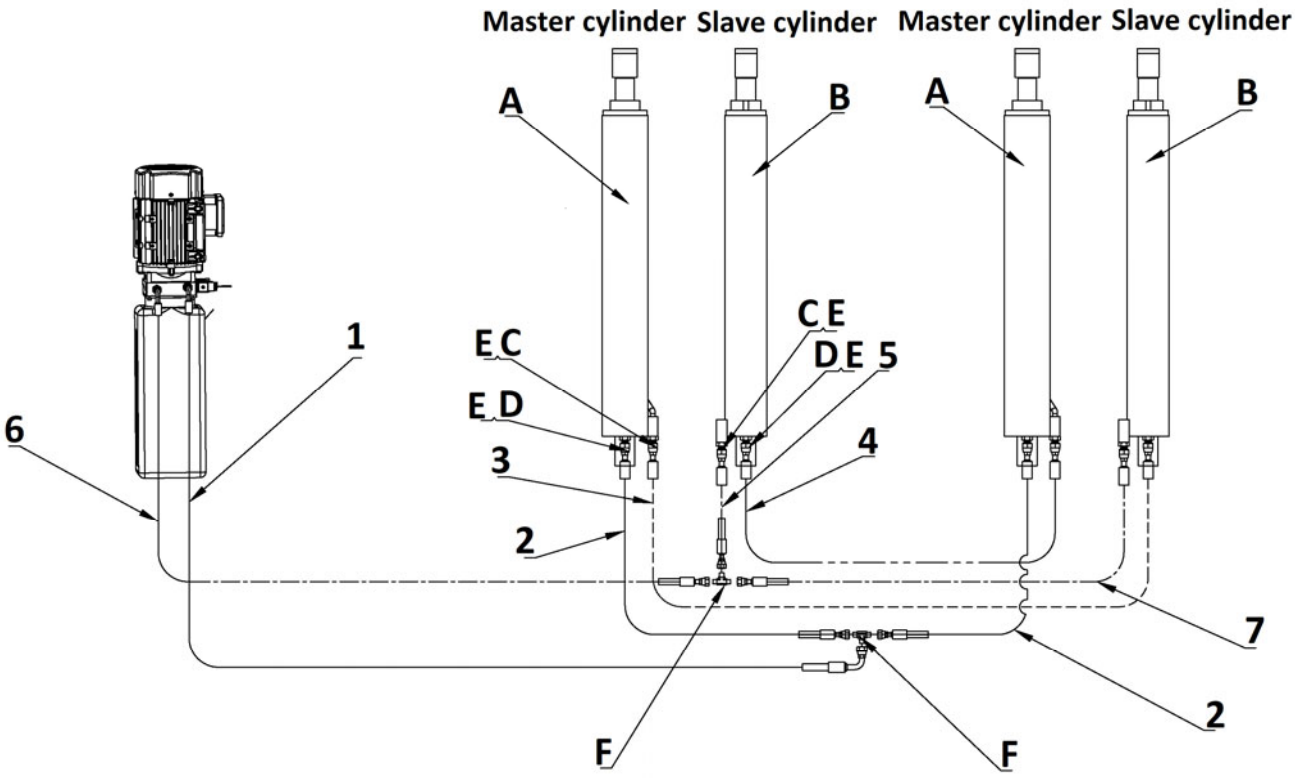
Supply cable	Yellow-Green	Blue	Other colors
3 wires	Earth wire	Neutral wire	Phase wire
Supply cable	**Yellow-Green**	**Other colors**	
4 wires	Earth wire	Phase wire	

Pos.	Code	Description	Specification	Qty
T	320104006	Transformer	JBK5-160VA 380V400V415V-24V	1
QF	320801001	Circuit breaker (3Ph)	CDB6iC16/3P（CB-60A C16）	1
QF1	320803003	Circuit breaker	CDB6iC3/1P	1
QF2	320803005	Circuit breaker	CDB6iC6/1P（CB-60A C6）	1
KM	320901011	AC contactor	CJX2-1810/AC24V(CDC6i-1810/AC24V)	1
SQ1	320301011	Limit switch	TZ8108	1
SQ2	320307071	Photo-electric sensor	KJT-FJ18D-Z-NK-Y	1
YA1 YA2	330310181C	Electromagnet	DCT	2
QS	320304001	Power switch	LW26GS-20-04	1
SB	320402002	Emergency stop	NP2-BS542(CDLA6H-BS542)	1
SB2 SB4	320401042	Button	NP2-EA11（CDLA6H-EA11）	2
SB3	320401038	Button	NP2-EA13（CDLA6H-EA13）	1
SB1	320401041	Button	NP2-EA15（CDLA6H-EA15）	1
SA1	320303019	Rotary switch	NP2-ED25C	1
KA1	320601026	Compact Relay	CDCH8s20 20A 2P 2NO 24V（NCH8-20/20）	1
KA2	320601001	Relay	HH54P-L/DC24V（MY4NJ)（ZYR1-MY4L）	1
	320601011	Relay holder(KA2)	PYF-14A-E（RS-NXJ-4Z/C2 7A 250AC）	1
	320601018	Relay feet fixer		2
KT1 KT2	320602009	Compact time relay	CDJS8 0.5s-100h	2
C	321001004	Capacitor	4700UF/50V	1
VD	321002001	Bridge rectifier	KBPC5A-35A	1
HL	321201001	Power indicator	ND16-22DS-2	1
FA	321202001	Alarm buzzer	AD118-22SM/R/AC/DC/24V	1

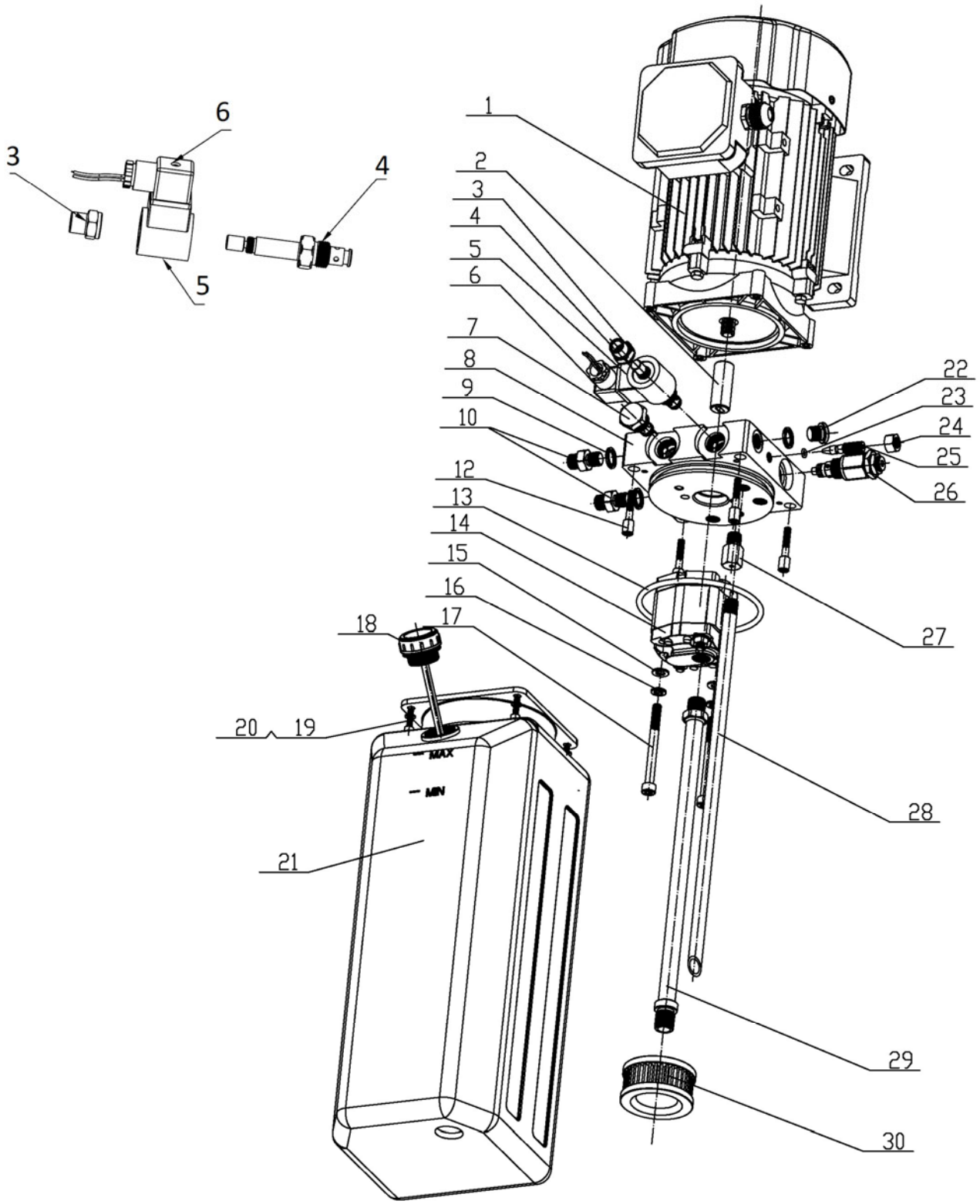
Annex 2, Hydraulic diagrams and parts list



1	Oil tank	7	Solenoid unloading valve
2	Filter	8	Restrictive valve
3	Motor	9	Lid of the tank
4	Gear pump	10	Master cylinder
5	Relief valve	11	Slave cylinder
6	Non-return valve	12	Straight connector with restrictive valve
		13	Cushion valve



Pos.	Code	Description	Specification	Qty
1	624001876	Oil hose	L=4900	1
2	624008322	Oil hose	L=930	2
3	624008323	Oil hose	L=1910mm	1
4	624008321	Oil hose	L=1800	1
5	624008238	Oil hose	L=220	1
6	624008207	Oil hose	L=4300	1
7	624008186	Oil hose	L=1700mm	1
A	625000022	Master cylinder	YG80-92-38-550	2
B	625000023	Slave cylinder	YG70_4-80-38-550	2
C	310101010	Straight connector	G1/4---G1/4	4
D	330305009	Straight connector with restrictive valve	BDPF-G14-G14-I60	4
E	207103025	Composite washer	13_7X20X1_5	8
F	410210181	Three-way connector	6603B-A9-B7	2



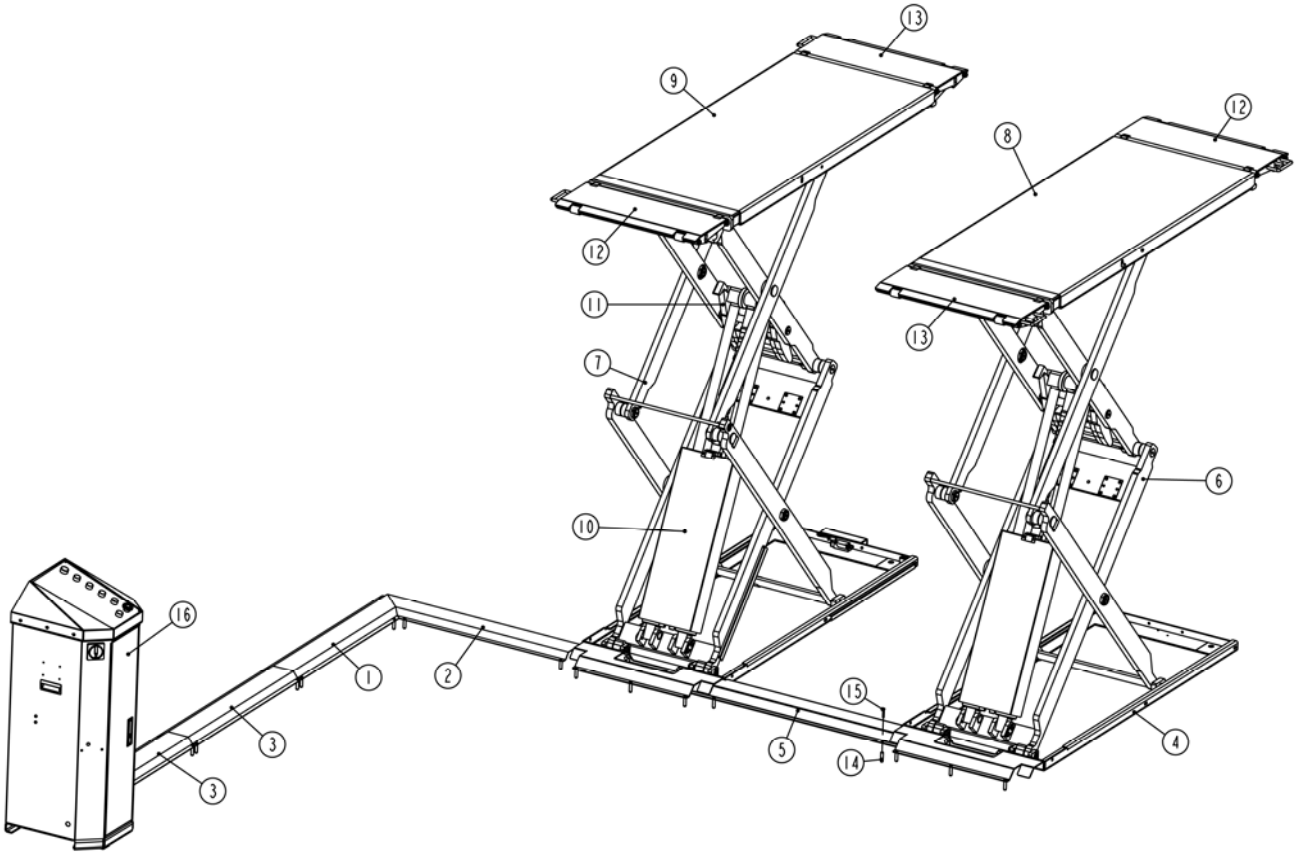
Pos.	Code	Description	Specification	Qty
1+2	320204291+330404006	Motor+coupling (48)	220V~230V-3.0kW -1Ph-50Hz-2P	1
1+2	320204314+330404006	Motor+coupling (48)	220V-3.0kW -1Ph-60Hz-2P	1

Pos.	Code	Description	Specification	Qty
1+2	320204291+ 330404006	Motor+coupling (48)	230V-3.0kW -1Ph-50Hz-2P	1
1+2	320204307+330404006	Motor+coupling (48)	240V-3.0kW -1Ph-50Hz-2P	1
1+2	320204260+330404006	Motor+coupling (48)	380V-3.5kW -3Ph-50Hz-2P	1
1+2	320204261+330404006	Motor+coupling (48)	400V-3.5kW -3Ph-50Hz-2P	1
1+2	320204262+330404006	Motor+coupling (48)	415V-3.5kW -3Ph-50Hz-2P	1
	791150005	Solenoid valve assembly (include part No.3,4,5 and 6)	DC24V	1
3	203204102	Tightening nut	FHLM-1/2-20UNF	1
4	330311005	Spool of the solenoid valve	24DC(Keta)（LSV-08-2NCP-M-2H）	1
5	330308031	Solenoid coil	LC2-0-C-2H,24VDC	1
6	330308032	Plug for the solenoid coil	DIN43650-DC	1
7	330302008	Non-return valve	YBZ-E2D3I1/1-03	1
8	330105005	Hydraulic block	LBZ-T2BK-13	1
9	207103019	Composite washer	M14	3
10	310101008	Power unit connector	M14*1.5-G1/4	2
12	201101100	Bolt	M6*50(NLJLD)	4
13	207101098	Type O seal ring	109*5.3	1
14	330201915	Gear pump(3.5kW 3ph.50Hz)	CBKA-F227/CBK-2.7F	1
	330201005	Gear pump(3.0kW 1ph,50Hz)	CBK-F220/CBK-2.1F	1
	320201308	Gear pump(3.0kW1ph,60Hz)	CBK-F216-G	1
15	204101005	Flat washer	D8-GB95	4
16	204201013	Spring washer	M8	2
17	202109072	Hex socket cylinder head bolt	M8x85-GB70_1	2
18	330502013	Lid of the tank	YBZ-BT-M30*2-B	1
19	202109144	Bolt	M5x18	4
20	204101003	Flat washer	D5-GB95	4
21	330405001	Oil tank	10L	1
22	210101013	Fitting	M14*1.5	1
23	207101099	Type O seal ring	5*1.8	4
24	203102003	Hex nut	M10x1-GB6172_1	1
25	330305015	Restrictive valve	YBZ-E2D3I1/1-11A	2
26	330304010	Relief valve	DANRV-08-50	1
27	330301003	Cushion valve	HCF-Z1/4	1
28	330402001	Oil-back pipe	YH-D	1
29	330401005	Oil-sucking pipe	XYGN-L293	1
30	330403003	Filter	YBZ-E2D3I1/1-10	1

NOTE: The motor is different for differnent voltage or capacity.

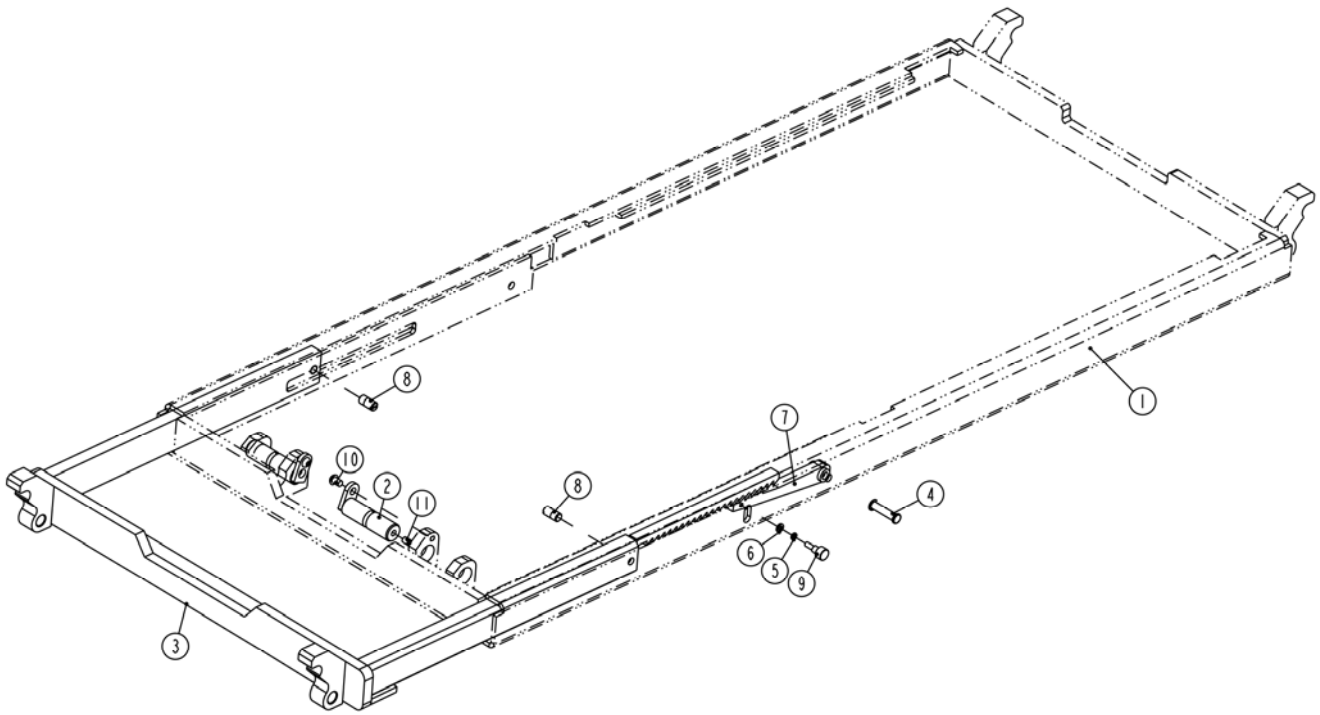
Please check with our customers service people when order spare parts.

Annex 3, Mechanically exploded drawings and parts list



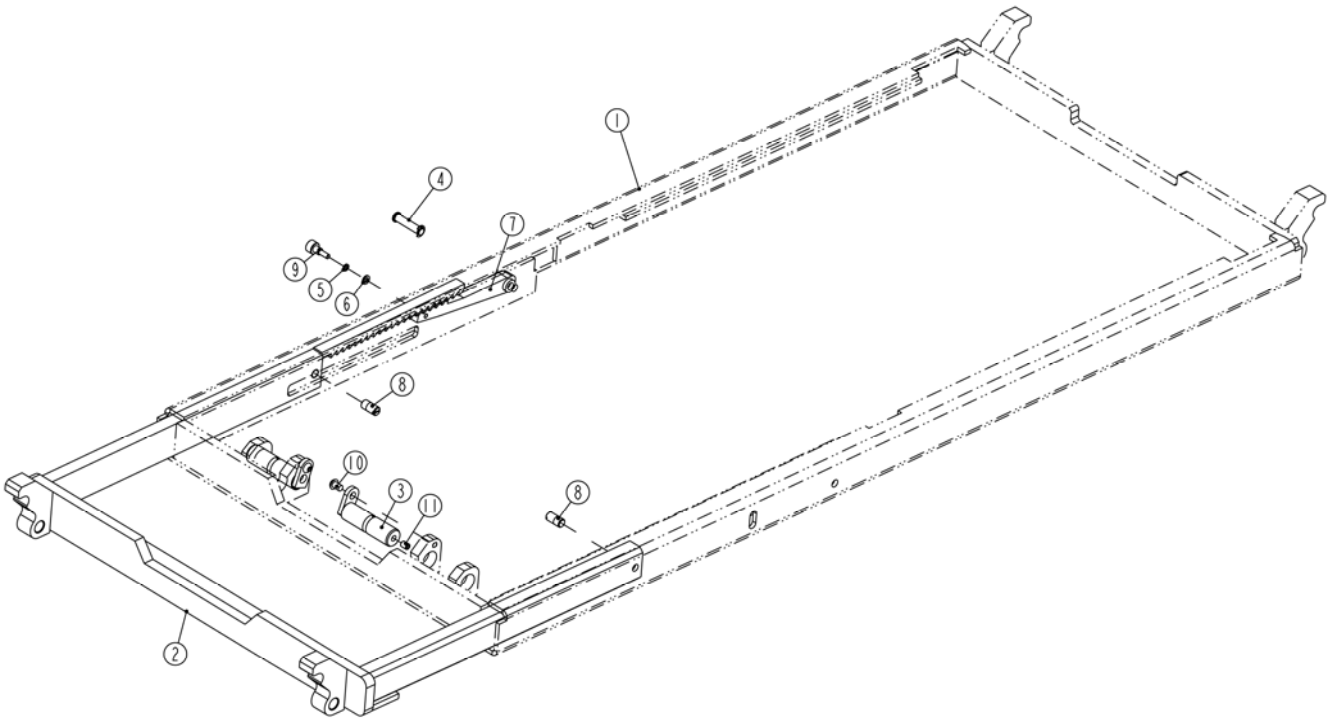
Pos.	Code	Description	Specification	Qty
1	410190033	Hose cover B	6501-A10	1
2	410190043	Hose cover C	6501-A11	1
3	410190023	Hose cover A	6501-A9	2
4	615803435	Base frame assembly	6501V4-A1	1
5	410913134B	Central hose cover	6501V4-A11_B	1
6	615803436	Scissor Arm A assembly	6501V4-A2	1
7	615803437	Scissor Arm B assembly	6501V4-A2B	1
8	615803438	Platform A assembly	6501V4-A3	1
9	615803439	Platform B assembly	6501V4-A3B	1
10	615803442	Hydraulic cylinder assembly	6501V4-A5	2
11	615068681	Start-up plate assembly	LS35-A4	2
12	615068683	Ramp A assembly	LS35-A6	2
13	615068684	Ramp B assembly	LS35-A7	2
14	121010103	Plastic expansion tube	M10X40	20
15	202301008	Cross socket cap head tapping screw	ST48X35C_GB845	20

Support platform B assembly- 615803439

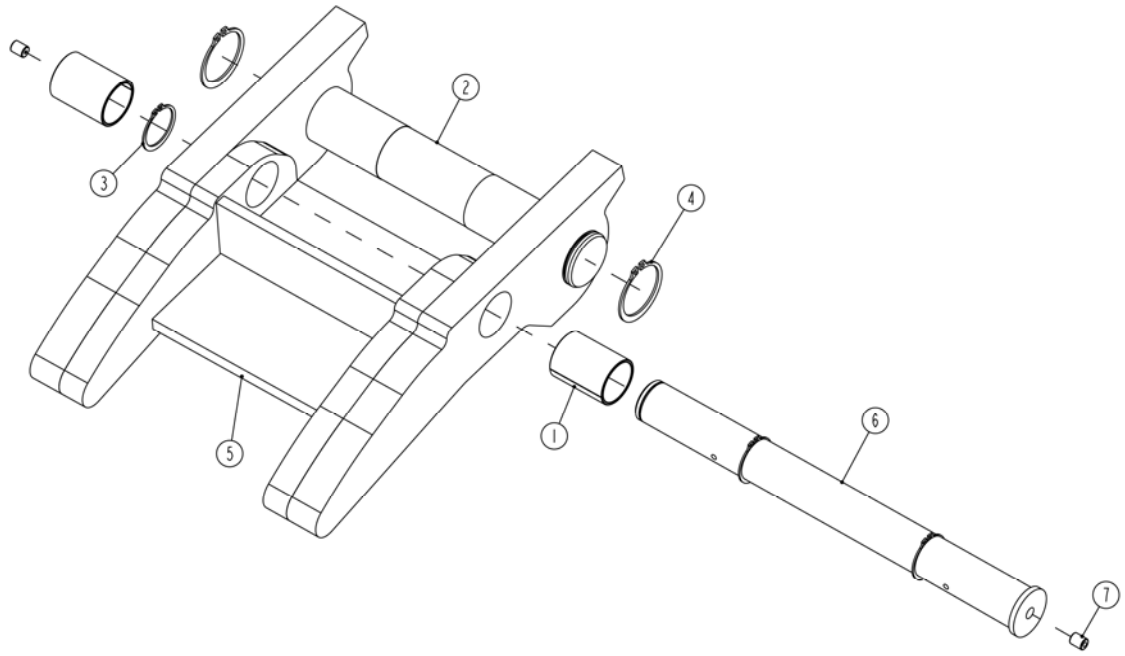


Pos.	Code	Description	Specification	Qty
1	614902153	Welded platform	6501V4-A3-B1	1
2	612019614	Rolling shaft	6501V4-A3-B4	2
3	614019613	Extendable bracket	6501V4-A3B-B2	1
4	208107037	Stainless Steel Shaft with a single circlip groove	D10X45	1
5	204201003	Spring washer	D6-GB93	1
6	204101004	Flat washer	D6-GB95	1
7	612901890	Flexible ratchet	LS35-A3-B4	1
8	206106001	Cylindrical pin	M12X25-GB878	2
9	202209003	Knob for disengaging the two ratchets	M6X15-D16X20	1
10	202110004	Hex socket button head screw	M8X12-GB70_2	2
11	208106002	Pressed oil cup	M8YP-JB9740_4	2

Support platform A assembly

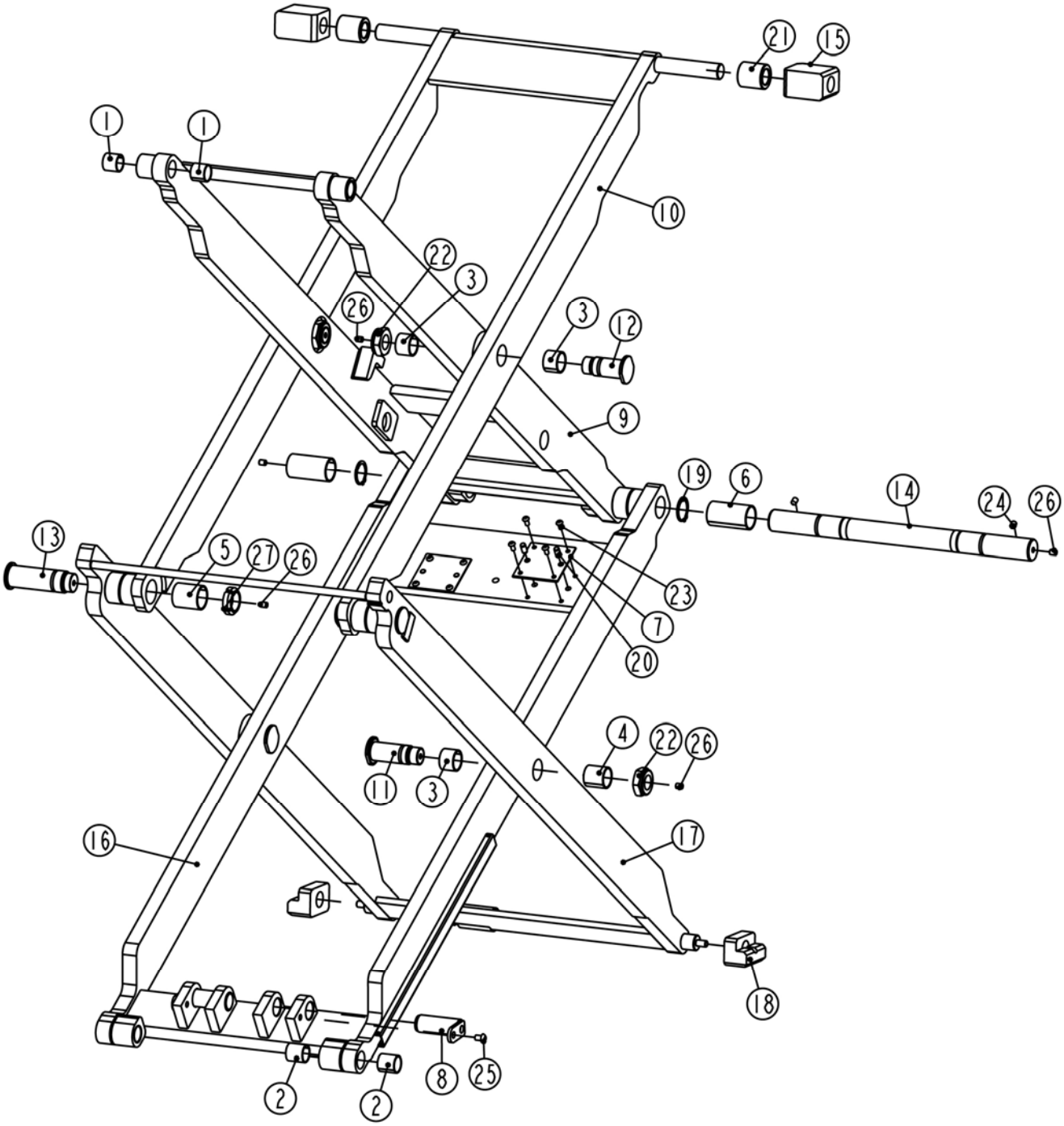


Pos.	Code	Description	Specification	Qty
1	614902153	Welded platform	6501V4-A3-B1	1
2	614019612	Extendable bracket (right side)	6501V4-A3-B2	1
3	612019614	Rolling shaft	6501V4-A3-B4	2
4	208107037	Stainless Steel Shaft with a single circlip groove	D10X45	1
5	204201003	Spring washer	D6-GB93	1
6	204101004	Flat washer	D6-GB95	1
7	612901890	Flexible ratchet	LS35-A3-B4	1
8	206106001	Cylindrical pin	M12X25-GB878	2
9	202209003	Knob for disengaging the two ratchets	M6X15-D16X20	1
10	202110004	Hex socket button head screw	M8X12-GB70_2	2
11	208106002	Pressed oil cup	M8YP-JB9740_4	2



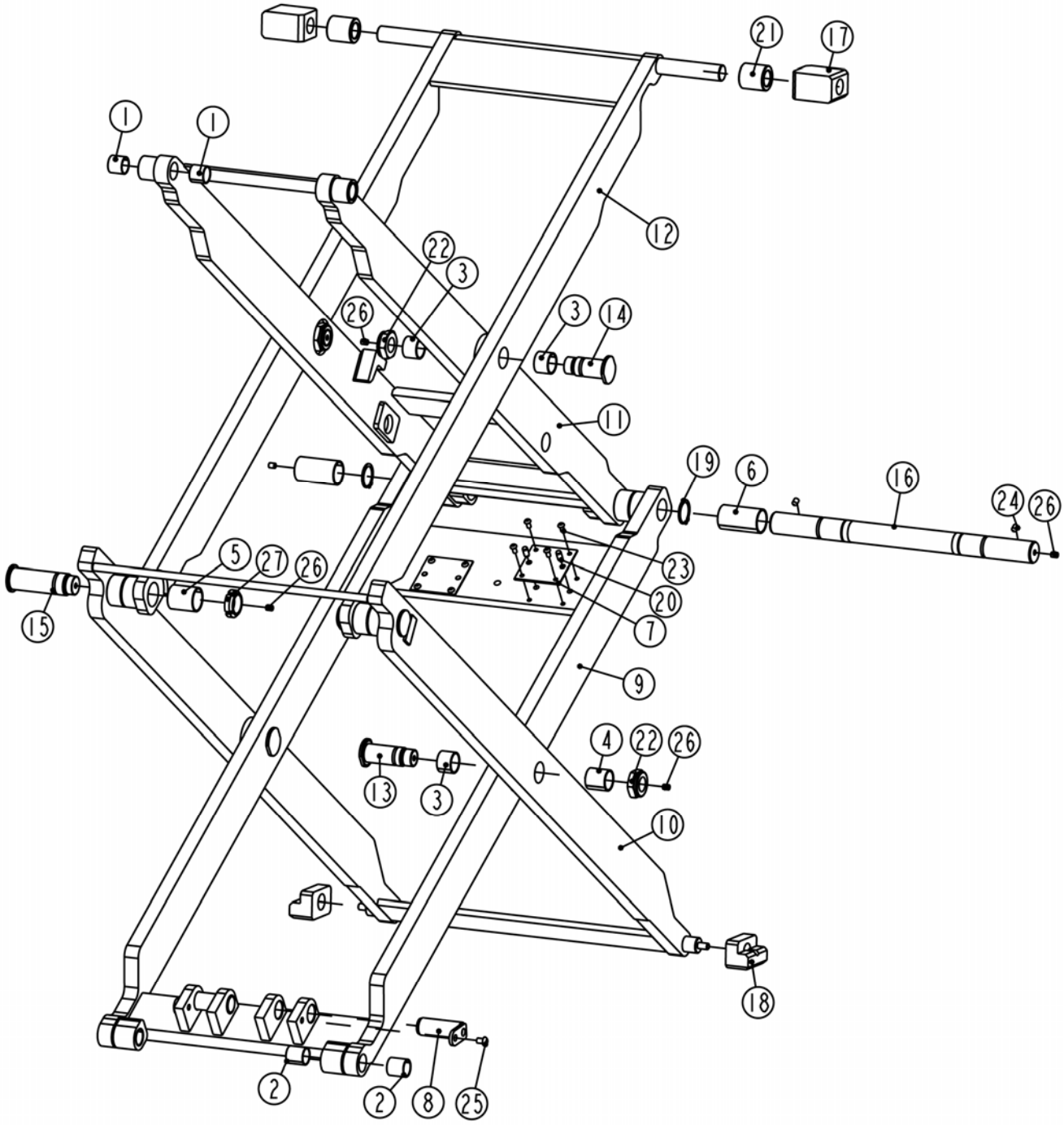
Pos.	Code	Description	Specification	Qty
1	205101022	Bearing	3045-SF-1X	2
2	410195131C	Shaft of oil cylinder	65012-A3-B1	1
3	204301011	Circlip D30	D30-GB894_2	3
4	204301014	Circlip D40	D40-GB894_2	2
5	614901783	Start plate assembly	LS35-A4-B1	1
6	410911834	Start plate shaft	LS35-A4-B2	1
7	208106002	Pressed oil cup M8	M8YP-JB9740_4	2

Scissor bracket B



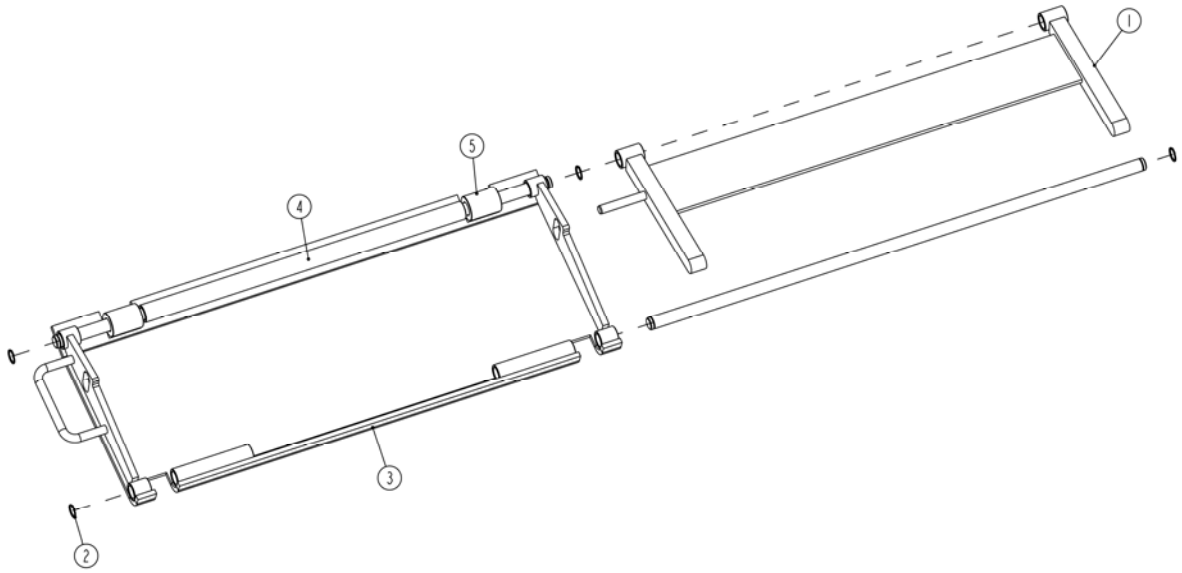
Pos.	Code	Description	Specification	Qty
1	205101010	Bearing	2525-SF-1X	4
2	205101012	Bearing	2530-SF-1X	4
3	205101018	Bearing	3025-SF-2X	6
4	205102001	Bearing	3035-SF-2X	2
5	205102002	Bearing	3545-SF-2X	2
6	205102004	Bearing	3570-SF-2X	2
7	410195581C	Padding plate	65012-A2-B14	2
8	612019008B	Oil cylinder shaft welded assembly	65012-A4-B9	2
9	614902149	Inner welded arm (Upper side)	6501V4-A2-B3	1
10	614902150	Outer welded arm (Upper side)	6501V4-A2-B4	1
11	410913144	Pivot shaft of lower scissor assembly	6501V4-A2-B5	2
12	410913145	Pivot shaft of upper scissor assembly	6501V4-A2-B6	2
13	410913146B	Arm end shaft	6501V4-A2-B7_B	2
14	410913147	Arm through Shaft	6501V4-A2-B8	1
15	420680242	Upper slider	6501V4-A2-B11	2
16	614902151	Inner welded arm B (Lower side)	6501V4-A2B-B1	1
17	614902152	Outer welded arm B (Upper side)	6501V4-A2B-B2	1
18	420194020	Downside slider	65A40-A2-B16	2
19	204301012	Circlip D35	D35-GB894_2	2
20	206101013	Post pin	D8X16-GB119_2	4
21	420680161	Spacing sheath of upside slider	LS35-A2-B12	2
22	203103016	Hex lock nut	M27X3-GB6172_1	4
23	202110003	Hex socket flat head screw	M6X12-GB70_2	8
24	202206007	Hex socket locking screw	M8X12-GB78	2
25	202110004	Hex socket flat head screw	M8X12-GB70_2	2
26	208106002	Pressed oil cup M8	M8YP-JB9740_4	8
27	203204109	Nylon-loop locking nut	YLM-M30	2

Scissor bracket A



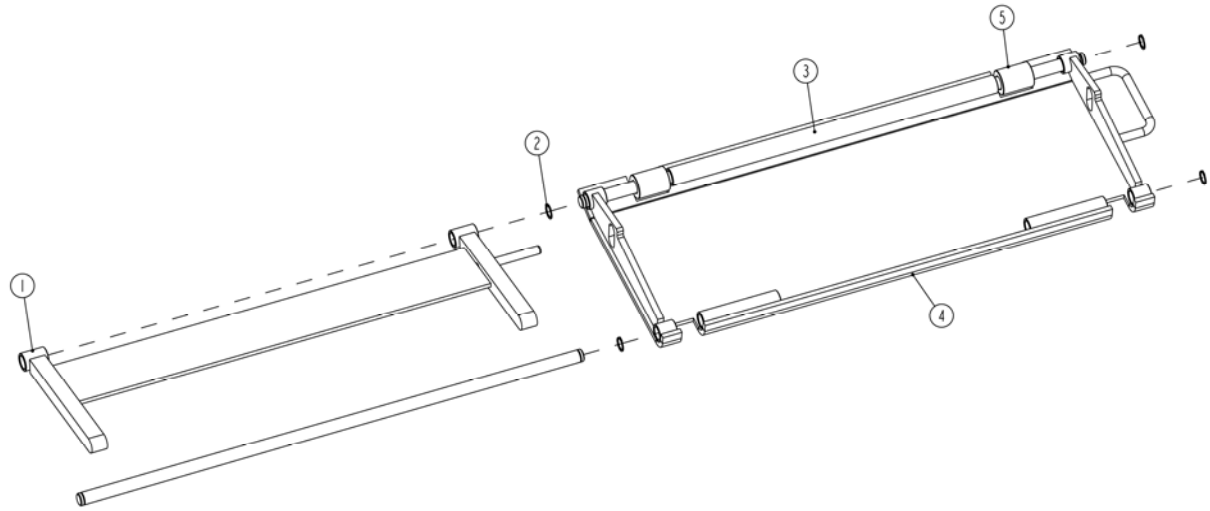
Pos.	Code	Description	Specification	Qty
1	205101010	Bearing	2525-SF-1X	4
2	205101012	Bearing	2530-SF-1X	4
3	205101018	Bearing	3025-SF-2X	6
4	205102001	Bearing	3035-SF-2X	2
5	205102002	Bearing	3545-SF-2X	2
6	205102004	Bearing	3570-SF-2X	2
7	410195581C	Padding plate	65012-A2-B14	2
8	612019008B	Oil cylinder shaft welded assembly	65012-A4-B9	2
9	614902147	Inner welded arm A (Lower side)	6501V4-A2-B1	1
10	614902148	Outer welded arm A (Lower side)	6501V4-A2-B2	1
11	614902149	Inner welded arm (Upper side)	6501V4-A2-B3	1
12	614902150	Outer welded arm (Upper side)	6501V4-A2-B4	1
13	410913144	Pivot shaft of lower scissor assembly	6501V4-A2-B5	2
14	410913145	Pivot shaft of upper scissor assembly	6501V4-A2-B6	2
15	410913146	Arm end shaft	6501V4-A2-B7	2
16	410913147	Arm through Shaft	6501V4-A2-B8	1
17	420680242	Upper slider	6501V4-A2-B11	2
18	420194020	Downside slider	65A40-A2-B16	2
19	204301012	Circlip D35	D35-GB894_2	2
20	206101013	Post pin	D8X16-GB119_2	4
21	420680161	Spacing sheath of upside slider	LS35-A2-B12	2
22	203103016	Hex lock nut	M27X3-GB6172_1	4
23	202110003	Hex socket flat head screw	M6X12-GB70_2	8
24	202206007	Hex socket locking screw	M8X12-GB78	2
25	202110004	Hex socket flat head screw	M8X12-GB70_2	2
26	208106002	Pressed oil cup M8	M8YP-JB9740_4	8
27	203204109	Nylon-loop locking nut	YLM-M30	2

Ramp A assembly

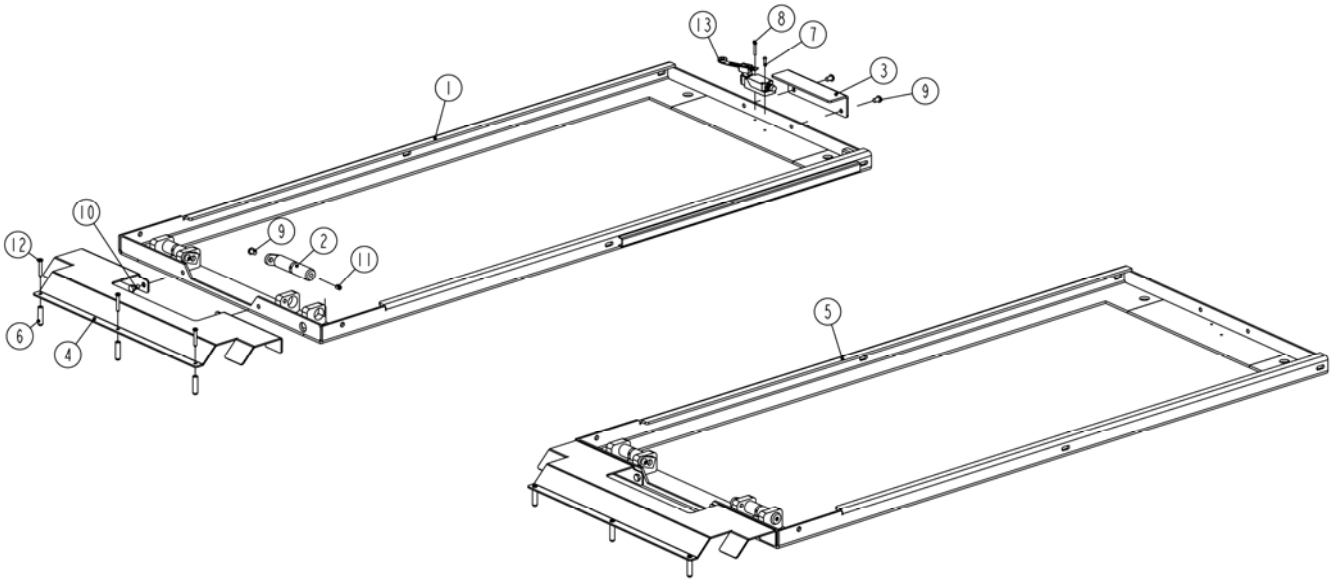


Pos.	Code	Description	Specification	Qty
1	614019507	Supporting rod	65012-A5-B1-C6	1
2	204301004	Circlip D15	D15-GB894_1	4
3	614901781	Ramp A	LS35-A6-B1	1
4	410911831	Rolling wheel shaft	LS35-A6-B2	2
5	420180010	Small rolling wheel	MR30-A22-B5	2

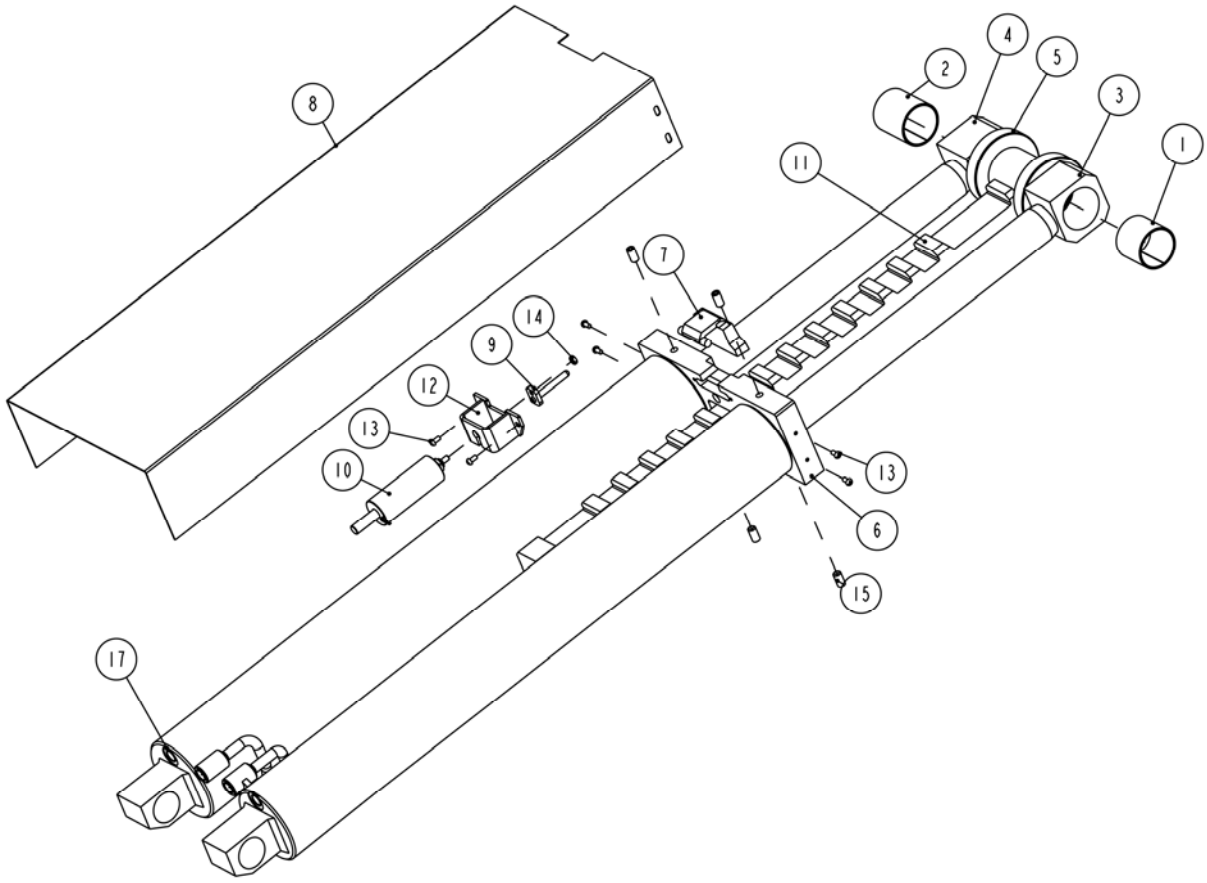
Ramp B assembly



Pos.	Code	Description	Specification	Qty
1	614019507	Supporting rod	65012-A5-B1-C6	1
2	204301004	Circlip	D15-GB894_1	2
3	410911831	Rolling wheel shaft	LS35-A6-B2	3
4	614901782	Ramp B	LS35-A7-B1	4
5	420180010	Small rolling wheel	MR30-A22-B5	5



Pos.	Code	Description	Specification	Qty
1	614902145	Welded base frame A	6501V4-A1-B1	1
2	612019599	Rolling shaft	6501V4-A1-B2	4
3	410913170	Cover over the limit switch	6501V4-A1-B7	1
4	410913132	Cover	6501V4-A10	2
5	614902146	Welded base frame B	6501V4-A1B-B1	1
6	121010103	Plastic expansion tube	M10X40	6
7	202101009	Cross socket cap head screw	M4X14-GB818	1
8	202101010	Cross socket cap head screw	M4X25-GB818	1
9	202110004	Hex socket button head screw	M8X12-GB70_2	6
10	201102011	Hex head full threaded bolt	M8X15-GB5783	4
11	208106002	Pressed oil cup M8	M8YP-JB9740_4	4
12	202301008	Cross socket cap head tapping screw	ST48X35C_GB845	6
13	320301011	Limit switch TZ-8108	TZ-8108	1



Pos.	Code	Description	Specification	Qty
1	205101035	Bearing	4040-SF-2X	1
2	205101060	Bearing	4050-SF-2X	1
3	410190151	Connection B for oil cylinder	6501-A4-B1	1
4	410190141C	Connection A for oil cylinder	6501-A4-B11_C	1
5	410190111	Rolling wheel	6501-A4-B12	2
6	410195431D	Oil cylinder flange	65012-A4-B3	1
7	410193121	Mechanical safety block	65012-A4-B5	1
8	410190093C	Oil cylinder protective cover	65012-A4-B14_C	1
9	612019615	Pushing rod welded assembly	6501V4-A5-B6	1
10	792214022	Electromagnet (with push-in connector)	DCT_B	1
11	612019600	Mechanical safety teeth	LS35-A5-B1	1
12	612901815B	Electromagnet holder welded assembly	LS35-A5-B4_B	1
13	202101007	Cross socket cap head screw	M4X8-GB818	6
14	203101003	Hex nut	M5-GB6170	1
15	202207002	Hex socket locking screw	M8X16-GB80	4
16	625000023	Slave cylinder	YG70_4-80-38-550	1
17	625000022	Master cylinder	YG80-92-38-550	1