

Model No. EE-6255E

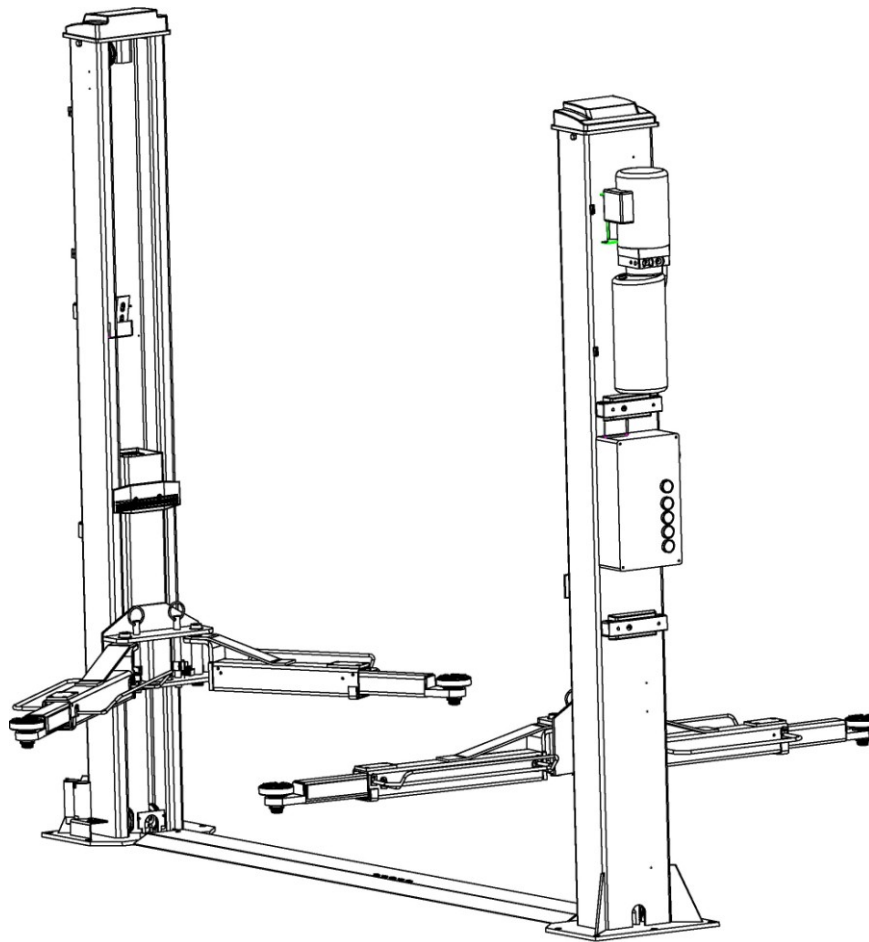
Base Plate Two Post Lift,
Electrical Release
Lifting Capacity 5000KG

**Installation, Operation
and Parts Manual**



EverLift

VEHICLE LIFT SPECIALIST



Distributed by

EAE

www.eae-ae.com

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

INDEX

1. Important safety instructions.....	3~4
1.1 Important notices	
1.2 Qualified personnel	
1.3 Danger notices	
1.4 Training	
1.5 Warning signs	
2. Overview of the lift.....	5
2.1 General descriptions	
2.2 Technical data	
2.3 Construction of the lift	
3. Installation instructions.....	6~14
3.1 Preparations before installation	
3.1.1 Tools and equipments needed	
3.1.2 A list for parts checking	
3.1.3 Ground conditions	
3.2 Precautions for installation	
3.3 Installation	
3.4 Items to be checked after installation	
4. Operation instructions.....	15~16
4.1 Precautions	
4.2 Flow chart for operation	
4.3 Operation instructions	
5. Trouble shooting.....	17
6. Maintenance.....	18
7. Annex.....	19~35
Annex1, Packing list of the whole lift	
Annex2, Overall diagram	
Annex3, Floor plan	
Annex4, Hydraulic working system	
Annex5, Wiring diagram	
Annex6, Separated drawings for the lift	
Annex7, Spare parts list	

IMPORTANT SAFETY INSTRUCTIONS

1.1 Important notices

Ever-Eternal will offer one-year's quality warranty for the whole machine, during which any quality problem will be properly solved to the user's satisfaction. However, we will not take any responsibility for whatever bad consequence resulted from improper installation and operation, overload running or unqualified ground condition.

This 2-posts lift is specially designed for lifting motor vehicles that weighs within its outmost lifting capacity. Users are not allowed to use it for any other purposes. Otherwise, we, as well as our sales agency, will not bear any responsibility for accidents or damages of the lift. Make sure to pay careful attention to the label of the lifting capacity attached on the lift and never try to lift cars with its weight beyond.

Read this manual carefully before operating the machine so as to avoid economic loss or personnel casualty incurred by wrong operation. Without professional advice, users are not permitted to make any modification to the control unit or whatever mechanical unit.

1.2 Qualified personnel

1.2.1 Only these qualified staff, who have been properly trained, can operate the lift.

1.2.2 Electrical connection must be done by a competent electrician.

1.2.3 People who are not concerned are not allowed in the lifting area.

1.3 Danger notices

1.3.1 Do not install the lift on any asphalt surface.

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

1.3.3 The lift, if is not specially designed upon customer's request, is not fit for outdoor use.

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

1.3.5 Only these qualified people, who have been properly trained, can operate the lift.

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

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

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

1.3.9 Always insure the safety latches are engaged before any attempt to work near or under the vehicle.

1.3.10 Make sure to place the lifting pads to the positions as suggested by vehicle makers and when gradually lift the vehicle to the desired height, operators should be certain that the vehicle will not slant, roll-over or slide in lifting process.

1.3.11 Check at any time the parts 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.

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

1.3.13 Do not modify any parts of the lift without manufacturer's advice.

1.3.14 If the lift is going to left used for a long time, users are required to:

- a. Disconnect the power source;
- b. Empty the oil tank;
- c. Lubricate the moving parts with hydraulic oil.



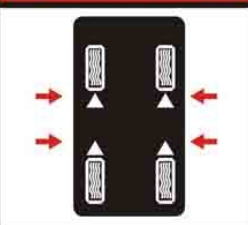
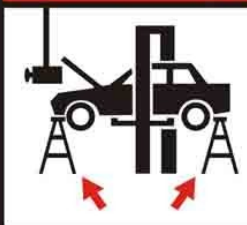

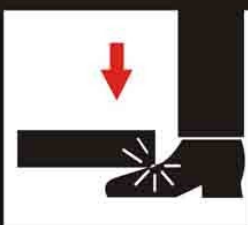





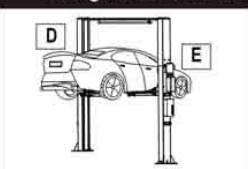
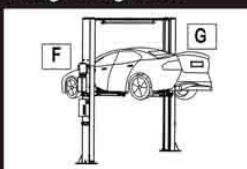
1.4 Training

Only these qualified people, who have been properly trained, can operate the lift. We are quite willing to provide professional training for the users when necessary.

Attention: For environment protection, please dispose the disused oil in a proper way.

1.5 Warning signs

All safety warning signs attached on the machine are for the purpose of drawing the user's attention to safety operation. The labels must be kept clean and need to be replaced when they are worn-out or have dropped. Read the explanations of the labels carefully and try to memorize them.

 <p><i>Remain clear of lift when lowering or lifting vehicle.</i></p>	 <p><i>Clear area if vehicle is in danger of falling.</i></p>	<p>CAUTION</p>  <p><i>Lift vehicle at the manufacturer's points</i></p>	<p>CAUTION</p>  <p><i>Always use safety stands when removing/ installing heavy components</i></p>																																										
 <p><i>Locate the vehicle with center gravity right between two adapters.</i></p>	 <p><i>Keep feet away from adapter while lift lowering.</i></p>	<p>CAUTION</p>  <p><i>Use height extension when necessary to ensure good contact.</i></p>	<p>CAUTION</p>  <p><i>Auxiliary adapters may reduce load capacity.</i></p>																																										
 <p><i>Do not override self-closing lift controls</i></p>	 <p><i>Do not shake vehicle heavily while on lift.</i></p>	 <p><i>Read the manual before installation or operation of the lift</i></p>	<p>WARNING</p> <ol style="list-style-type: none"> 1. Travelling on the load carrying devices is forbidden. 2. After raising a short distance, checked to ensure that it is correctly and safely positioned. 3. It is forbidden to climb onto the load or load carrying devices when they are raised. 																																										
<p>CAUTION</p>  <p><i>Lift is only allowed to be used by trained operator.</i></p>	<p>CAUTION</p>  <p><i>Only authorized personnel allowed in lift area</i></p>	<p>Arms must support the rated load weight as the following diagram.</p> <div style="display: flex; justify-content: space-around;"> <div>  <table border="1"> <thead> <tr> <th>Lifting capacity</th> <th colspan="2">Load distribution</th> </tr> <tr> <th></th> <th>D</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>3.2T</td> <td>1.4±0.1T</td> <td>1.8±0.1T</td> </tr> <tr> <td>3.8T</td> <td>1.7±0.1T</td> <td>2.1±0.1T</td> </tr> <tr> <td>4.0T</td> <td>1.8±0.1T</td> <td>2.2±0.1T</td> </tr> <tr> <td>4.5T</td> <td>2.1±0.1T</td> <td>2.4±0.1T</td> </tr> <tr> <td>5.0T</td> <td>2.3±0.1T</td> <td>2.7±0.1T</td> </tr> </tbody> </table> </div> <div>  <table border="1"> <thead> <tr> <th>Lifting capacity</th> <th colspan="2">Load distribution</th> </tr> <tr> <th></th> <th>F</th> <th>G</th> </tr> </thead> <tbody> <tr> <td>3.2T</td> <td>1.8±0.1T</td> <td>1.4±0.1T</td> </tr> <tr> <td>3.8T</td> <td>2.1±0.1T</td> <td>1.7±0.1T</td> </tr> <tr> <td>4.0T</td> <td>2.2±0.1T</td> <td>1.8±0.1T</td> </tr> <tr> <td>4.5T</td> <td>2.4±0.1T</td> <td>2.1±0.1T</td> </tr> <tr> <td>5.0T</td> <td>2.7±0.1T</td> <td>2.3±0.1T</td> </tr> </tbody> </table> </div> </div>		Lifting capacity	Load distribution			D	E	3.2T	1.4±0.1T	1.8±0.1T	3.8T	1.7±0.1T	2.1±0.1T	4.0T	1.8±0.1T	2.2±0.1T	4.5T	2.1±0.1T	2.4±0.1T	5.0T	2.3±0.1T	2.7±0.1T	Lifting capacity	Load distribution			F	G	3.2T	1.8±0.1T	1.4±0.1T	3.8T	2.1±0.1T	1.7±0.1T	4.0T	2.2±0.1T	1.8±0.1T	4.5T	2.4±0.1T	2.1±0.1T	5.0T	2.7±0.1T	2.3±0.1T
Lifting capacity	Load distribution																																												
	D	E																																											
3.2T	1.4±0.1T	1.8±0.1T																																											
3.8T	1.7±0.1T	2.1±0.1T																																											
4.0T	1.8±0.1T	2.2±0.1T																																											
4.5T	2.1±0.1T	2.4±0.1T																																											
5.0T	2.3±0.1T	2.7±0.1T																																											
Lifting capacity	Load distribution																																												
	F	G																																											
3.2T	1.8±0.1T	1.4±0.1T																																											
3.8T	2.1±0.1T	1.7±0.1T																																											
4.0T	2.2±0.1T	1.8±0.1T																																											
4.5T	2.4±0.1T	2.1±0.1T																																											
5.0T	2.7±0.1T	2.3±0.1T																																											

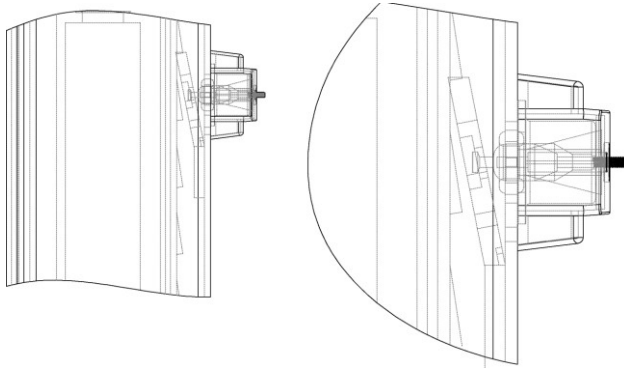
OVERVIEW OF THE LIFT

2.1 General descriptions

This floor plate two posts lift is composed of posts, carriages, lifting arms, cylinders and motor unit, etc.

It is driven by an electro-hydraulic system. The gear pump delivers hydraulic oil to oil cylinders and pushes upwards its piston. The piston drives the chain to raise the carriage and the lifting arms. During lifting process, the safety latch will automatically and firmly bite with the safety teeth block in the posts. Therefore, no slipping will happen in case the hydraulic system breaks down.

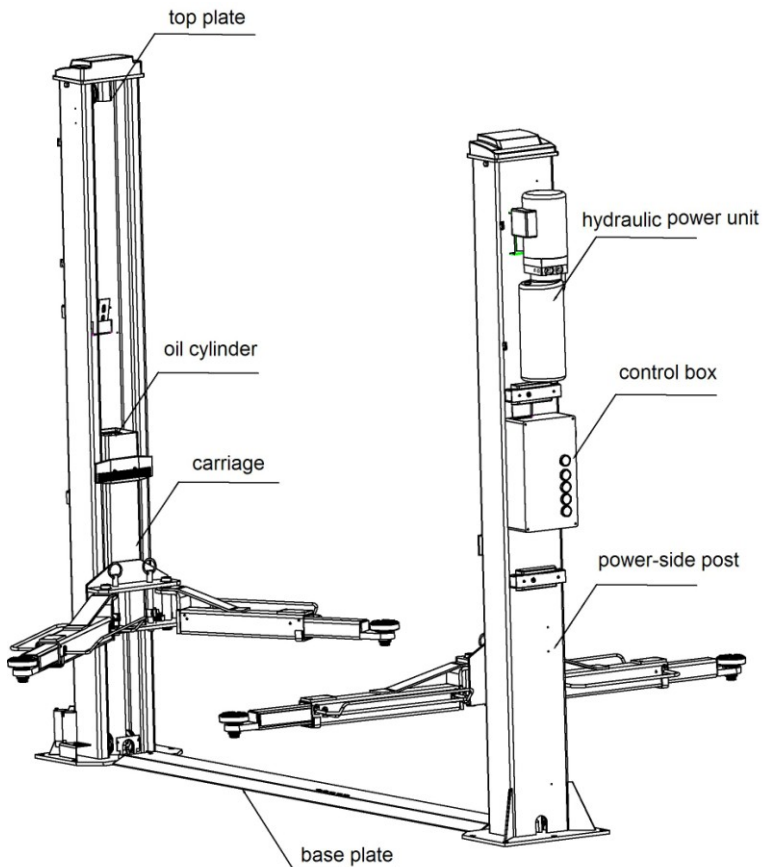
Safety structure



2.2 Technical data

Model	Lifting capacity	Lifting time	Lifting height	Height	Width	Width between posts
EE-6255E	5000kg	50 Sec	1900mm	2912mm	4028mm	3342mm

2.3 Construction of the lift



INSTALLATION INSTRUCTIONS

3.1 Preparations before installation

3.1.1 Tools and equipments needed

- ☐ Appropriate lifting equipment
- ☐ Anti-abrasion hydraulic oil.
- ☐ Rotary Hammer Drill with 3/4" drill bit.
- ☐ Chalk and tape measure, magnetic plump, 8 metersΦ15 level pipe.
- ☐ Sockets and open wrenches, a set of inside hex wrenches, cross and straight screw drivers.
- ☐ Hammer, 4pounds, sharp nose pliers, Φ17,Φ19,Φ22 socket spanners.

3.1.2 List for parts checking ---Annex 1 (Packing list)

Unfold the package and check if any parts missed as per Annex 1. 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, Ever-eternal as well as our dealers will not bear any responsibility for this and will charge for any parts subsequently demanded by the buyer.

3.1.3 Ground conditions

The lift should be fixed on a smooth and solid concrete ground with its strength more than 3000psi, tolerance of flatness less than 5mm and minimum thickness of 200mm. In addition, newly built concrete ground must undergo more than 28days' cure and reinforcement.

3.2 Precautions for installation

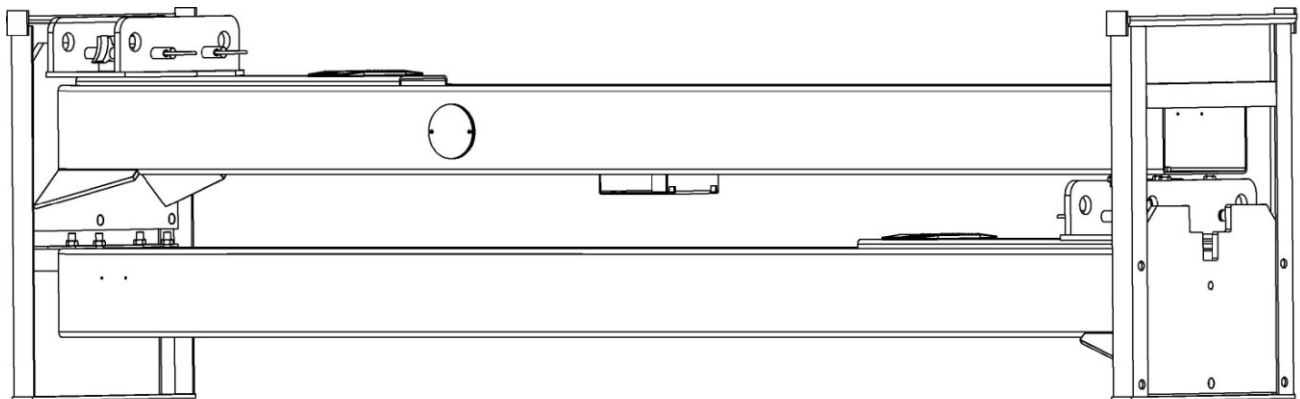
3.2.1 Make sure the two posts stand paralleled and are vertical to the ground. No slanting.

3.2.2 Joints of oil hose and steel cable must be firmly connected in order to avoid the looseness of steel cable and leakage of oil hose.

3.2.3 All bolts should be firmly screwed up.

3.2.4 Do not place any vehicle on the lift in the case of trial running.

3.3 Installation



Step 1: Remove the packaging, take out the carton for accessories and cover plate.

Step 2: Firstly, put something supporting between the two posts or suspend one of the posts by a crane and then remove the bolts on the package.

Attention: Please pay special attention not to let the post fall down for it may cause casualty or bring damages to the accessories fixed in the post.

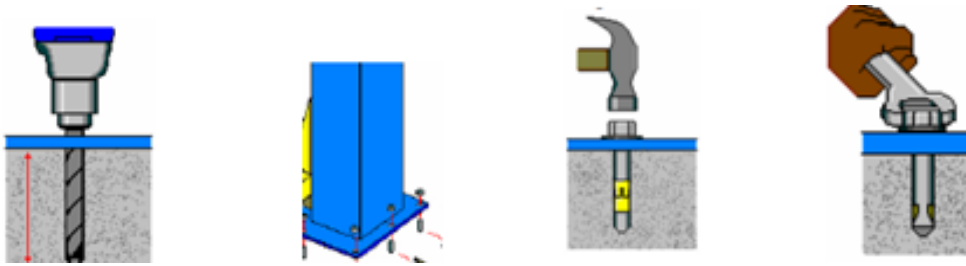
Step3: When the first post has been taken away, place something supporter under the second post and then remove the bolts on the package.

Step 4: Fix the standing position for the two posts. (see Annex 3, floor plan)

1. Unfold the package and decide on which post the power unit will be mounted.
2. Draw an outline of the base plate on the ground with chalk and ascertain the position for the post.

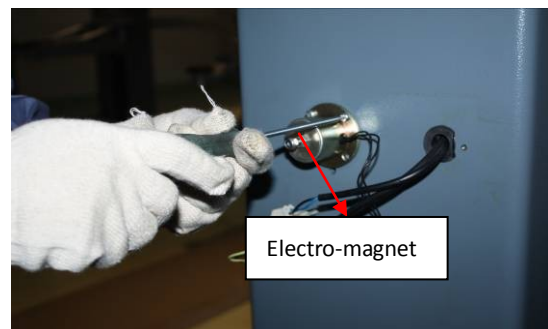
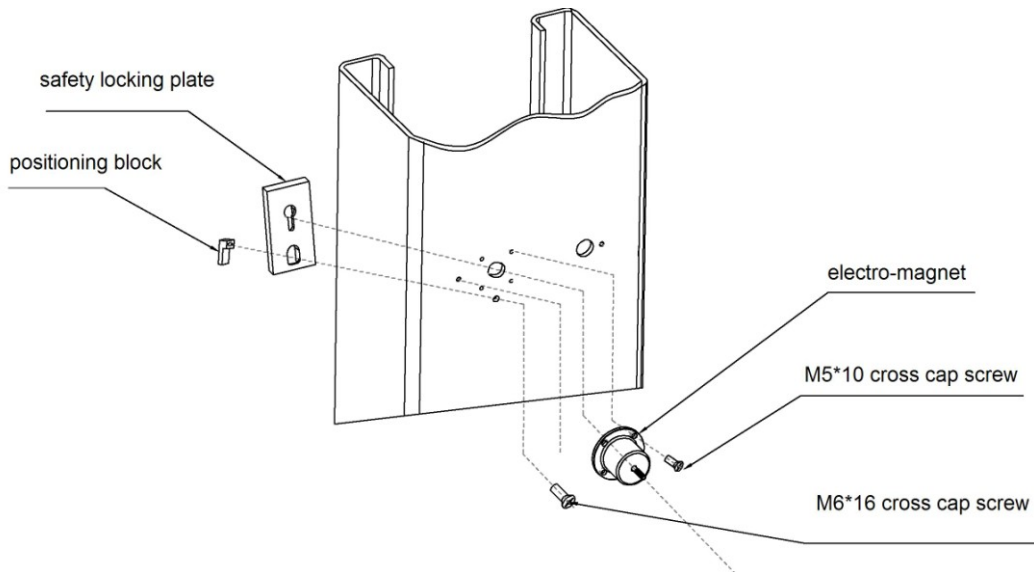
Step 5: Erect the posts, power side post first and then the other post.

1. Drill anchor holes for expansion bolts on the ground with an electrical drill. Make sure to drill vertically.
2. After holes have been drilled, remove thoroughly the debris and dust in them and ascertain that the posts stay upon the circle previously drawn by chalk.



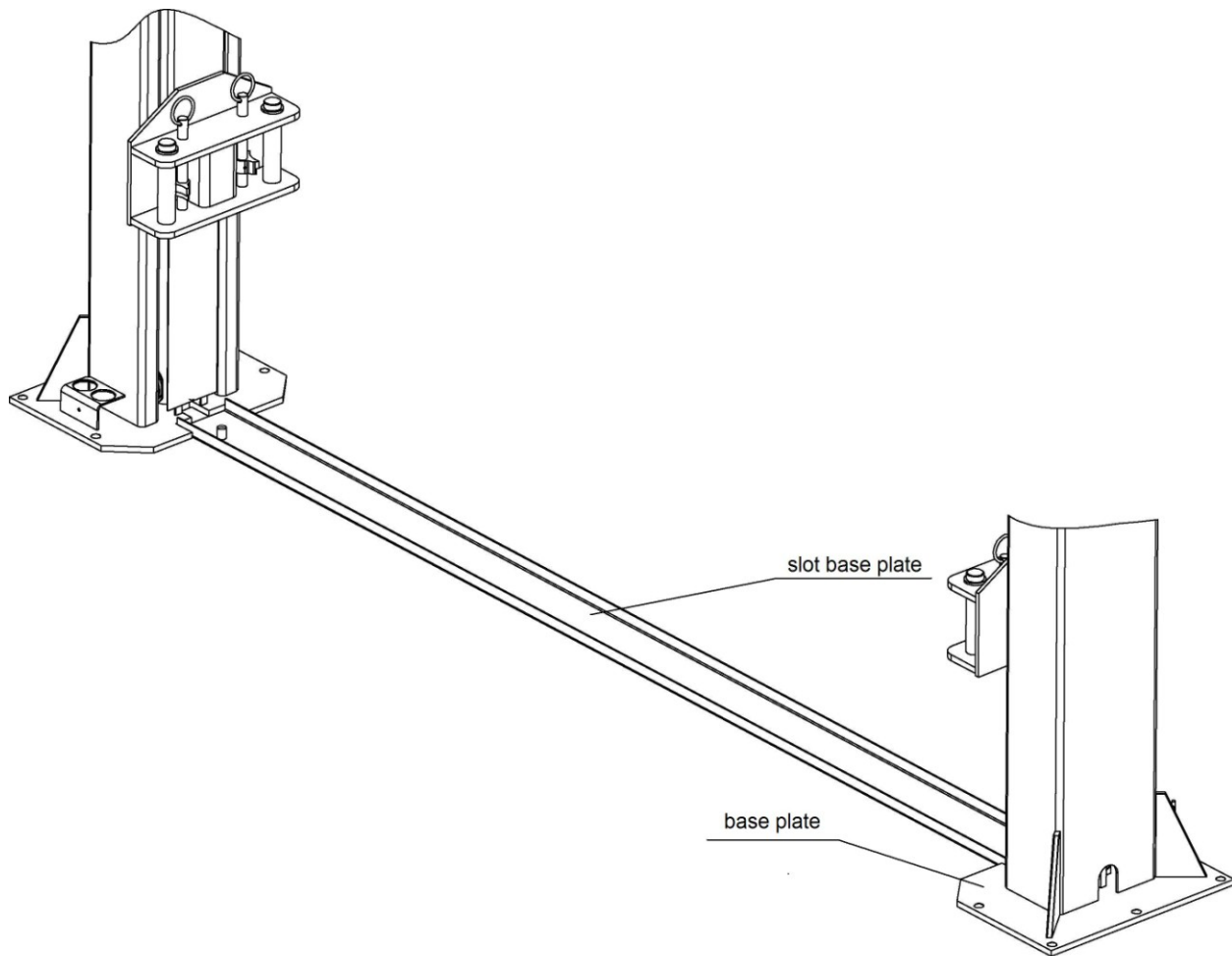
Step 6: Fix mechanical safety lock assemblies.

Fix four safety locking plates and electro-magnets with two of them on each post.



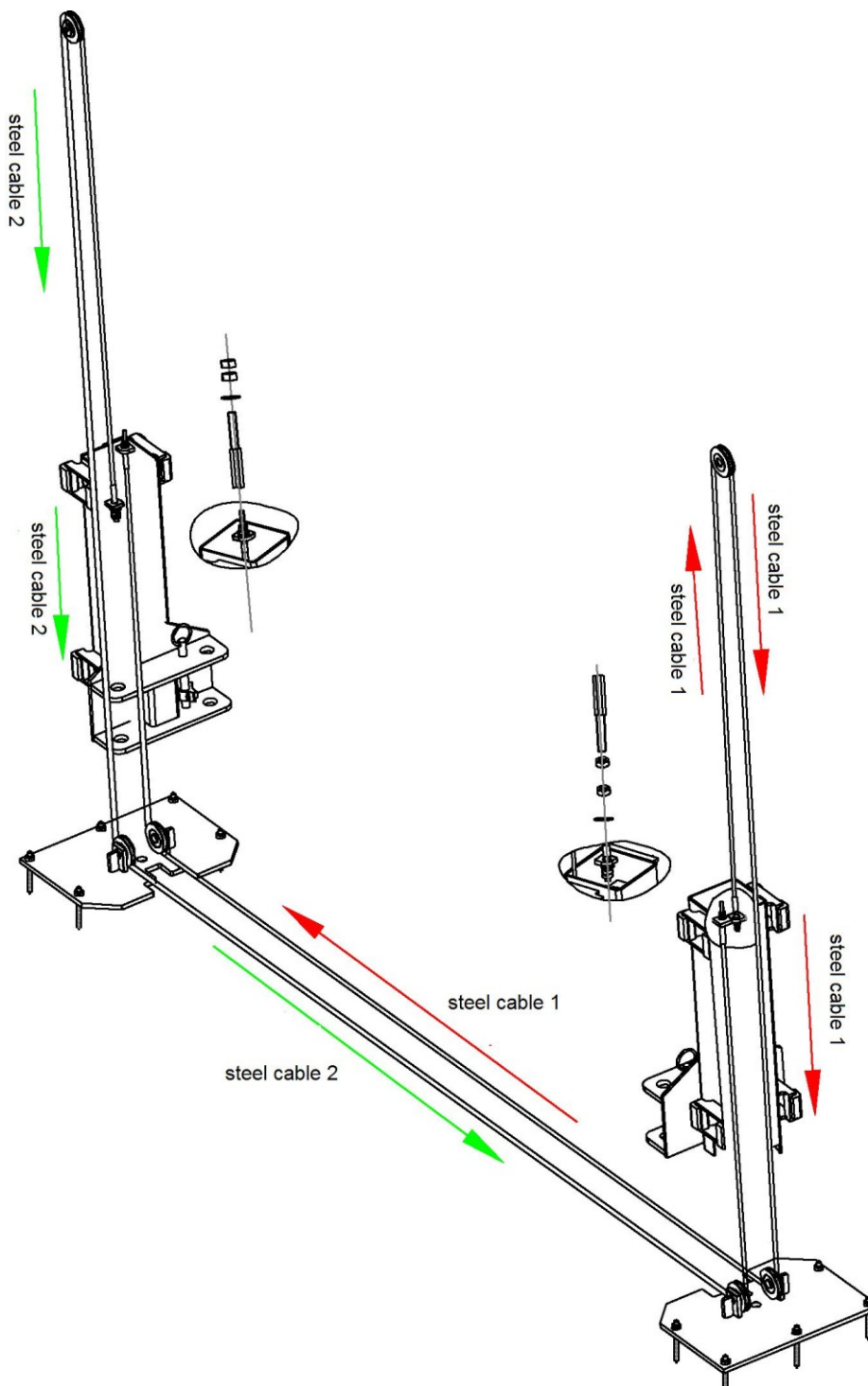
Step 7: Fix the slot base plate.

Manually raise two carriages about 800mm from the ground to have them locked by safety locks and then place the slot base plate between two base plates of the post.

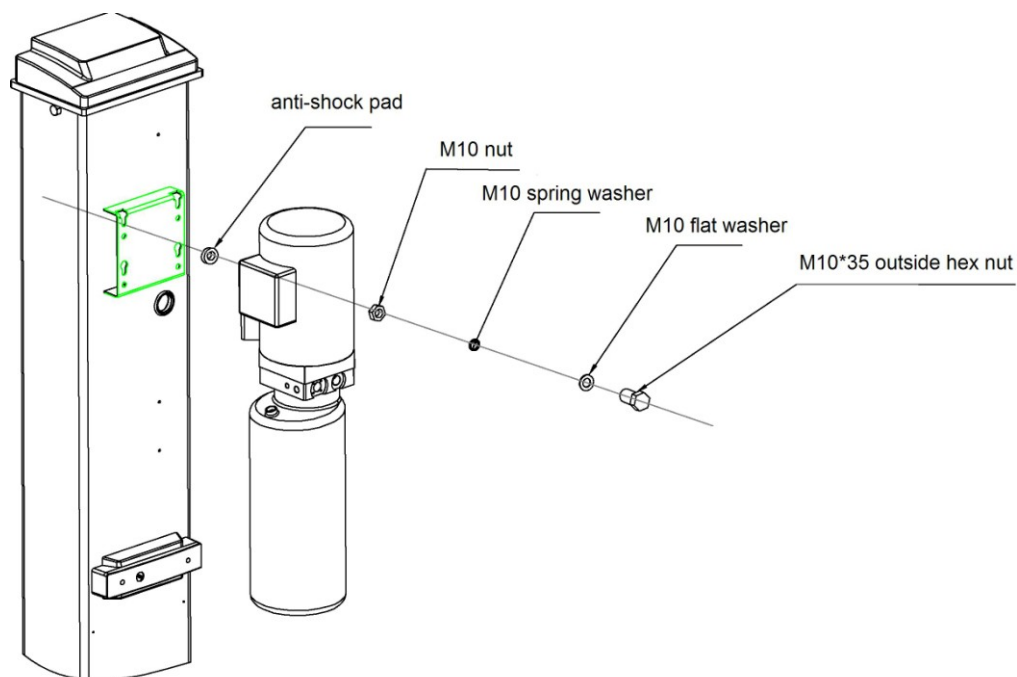


Step8: Connect steel cables.

1. Route and fix according to the following diagram of steel cable connection.
2. Raise carriages on both sides approximately 800mm above the ground. Carriages must be on the same height from the floor.
3. Make sure that the mechanical safety locks in each post are fully engaged before attempting to route cables.
4. After the cable being fixed, adjust and make the cable at both sides be with the same tightness which could be judged by the sound emitted during lifting process. Make judge and adjustment after trial running.
5. Grease after being fixed. (It is a must.)

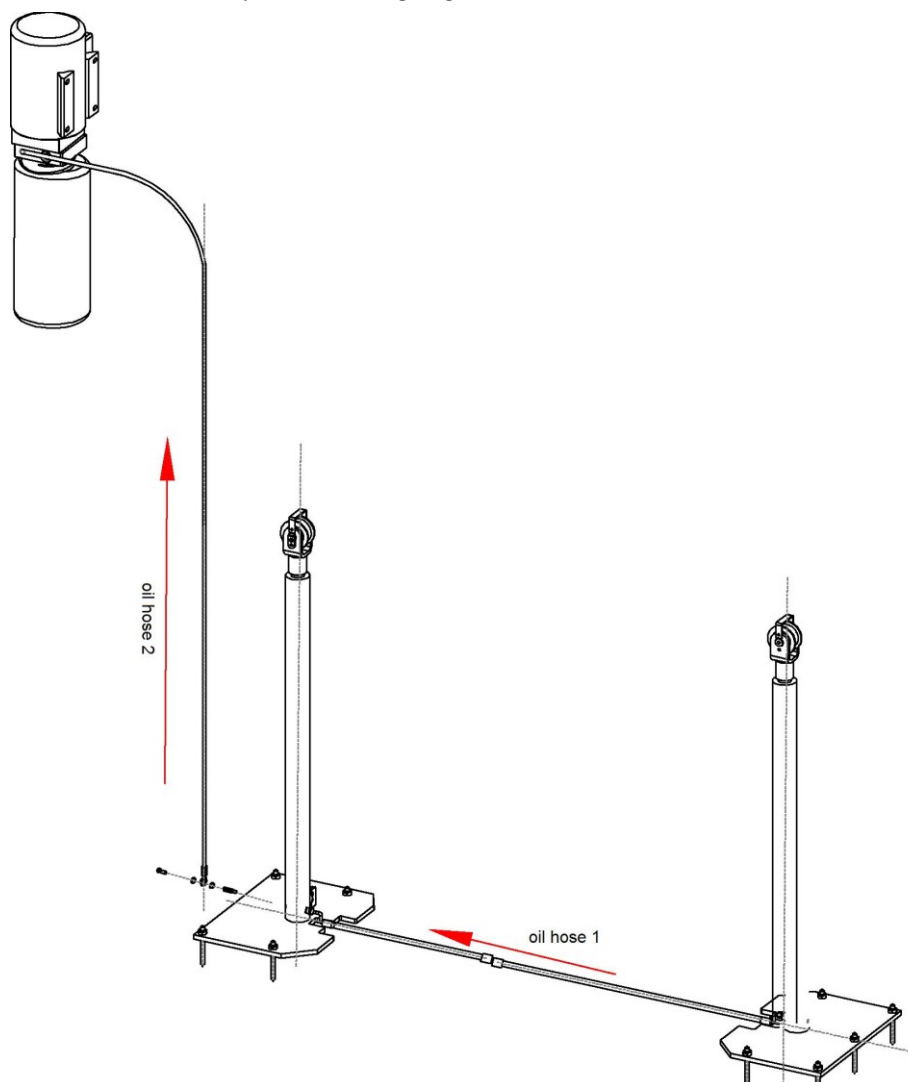


Step9: Mount the power unit onto the power side post.



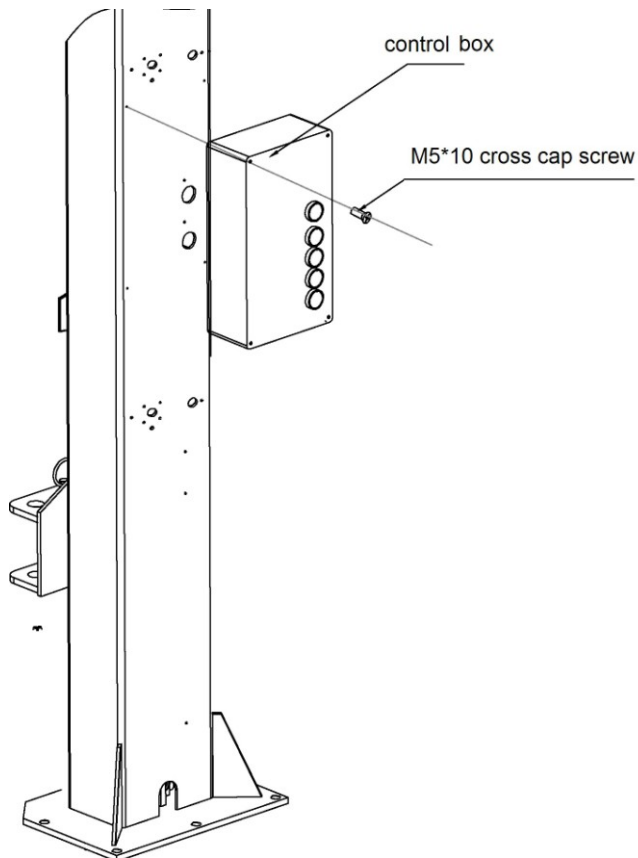
Step10: Connect oil hoses.

Connect the oil hose as per the following diagram.

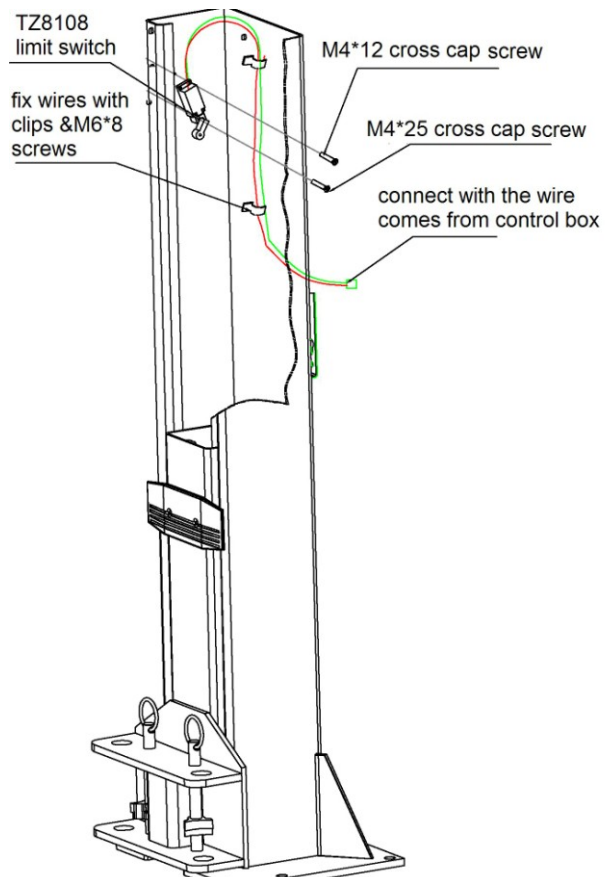


Step11: Connect wires.

1. Mount the control box on to the power side post.



2. Fix the limit switch into the power side post.



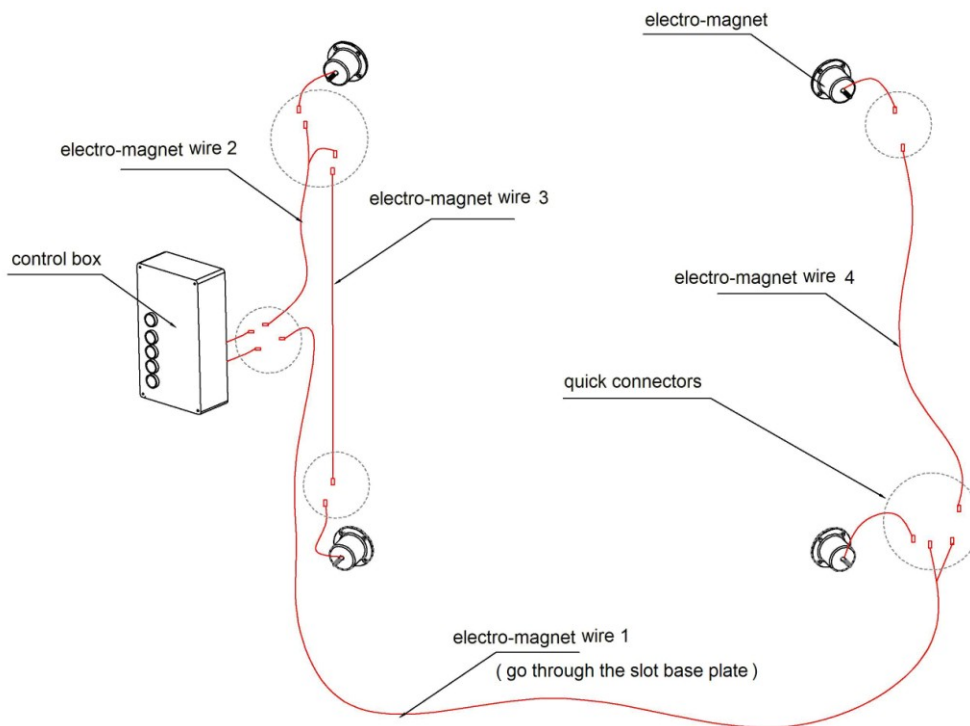
3. Connect quick connectors between electromagnets.



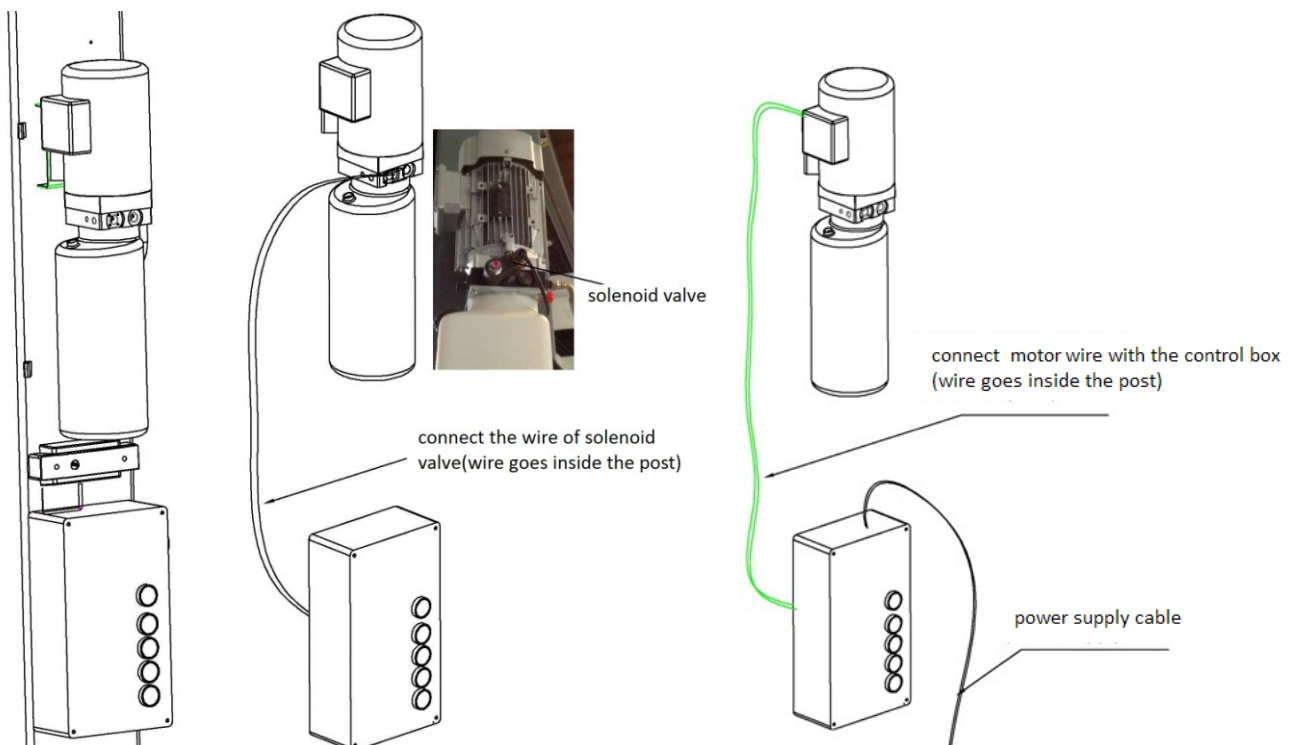
Quick connectors

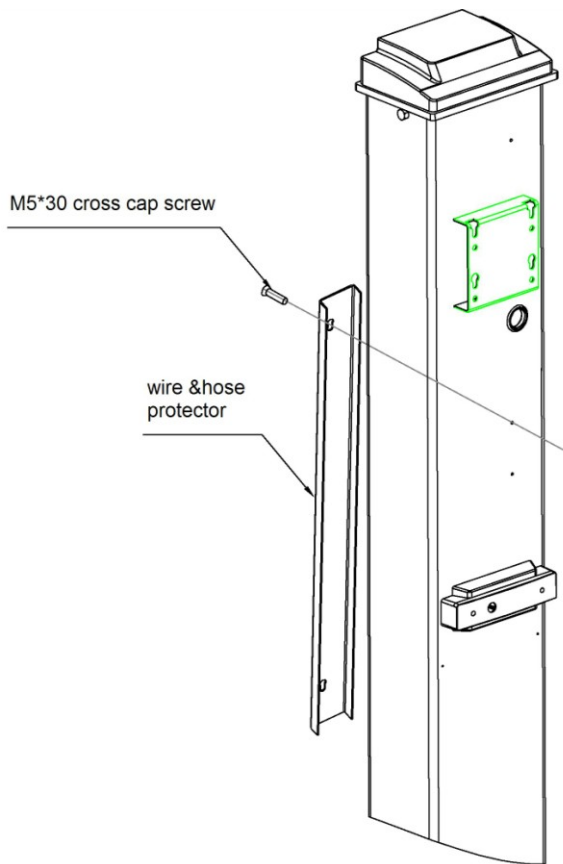


Adjustable bolt



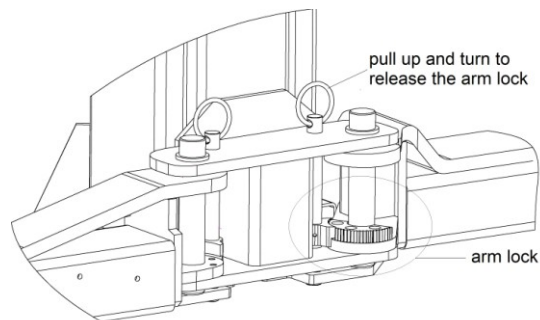
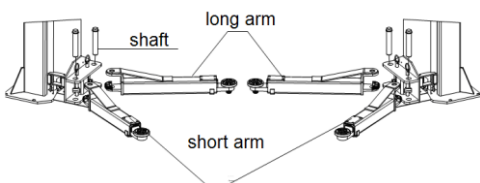
4 . Connect the wire of solenoid valve and motor wire



Step 12: Fix wire & oil hose protectors.**Step13: Install lifting arms.**

Connect the lifting arm and the carriage by shafts.

Install the lifting arms onto the carriages and ensure the arm lock could work.

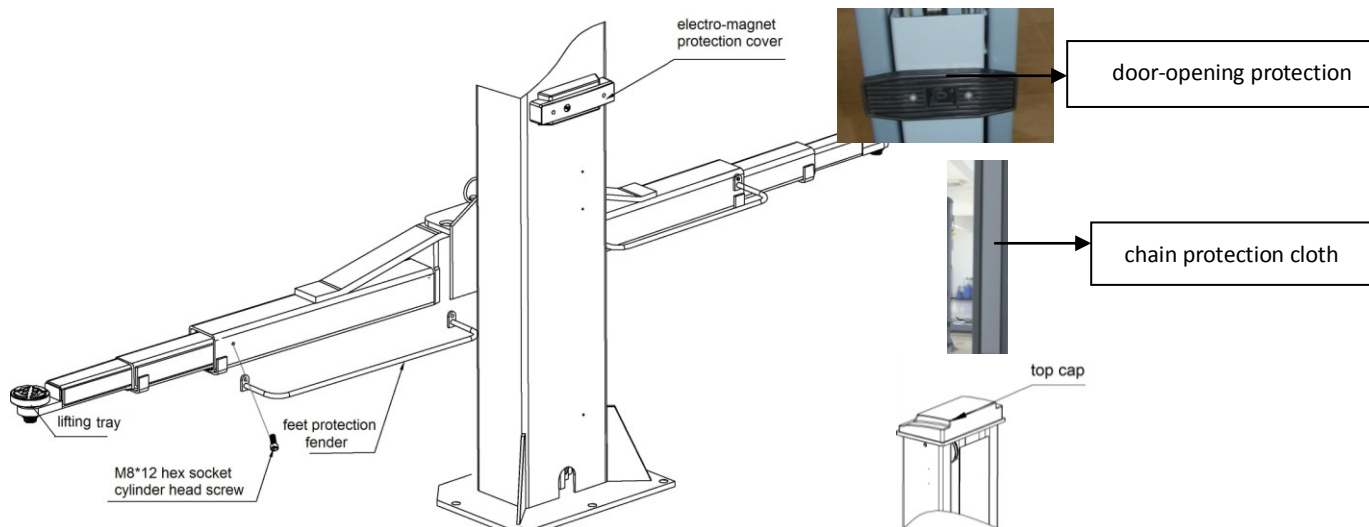
**Step14: Fill with hydraulic oil.**

The volume of oil tank is 10L. To insure the lift work normally, the amount of oil in it should reach $\frac{4}{5}$ of the tank's total volume.
32# anti-abrasion hydraulic oil for winter, 46# for summer.

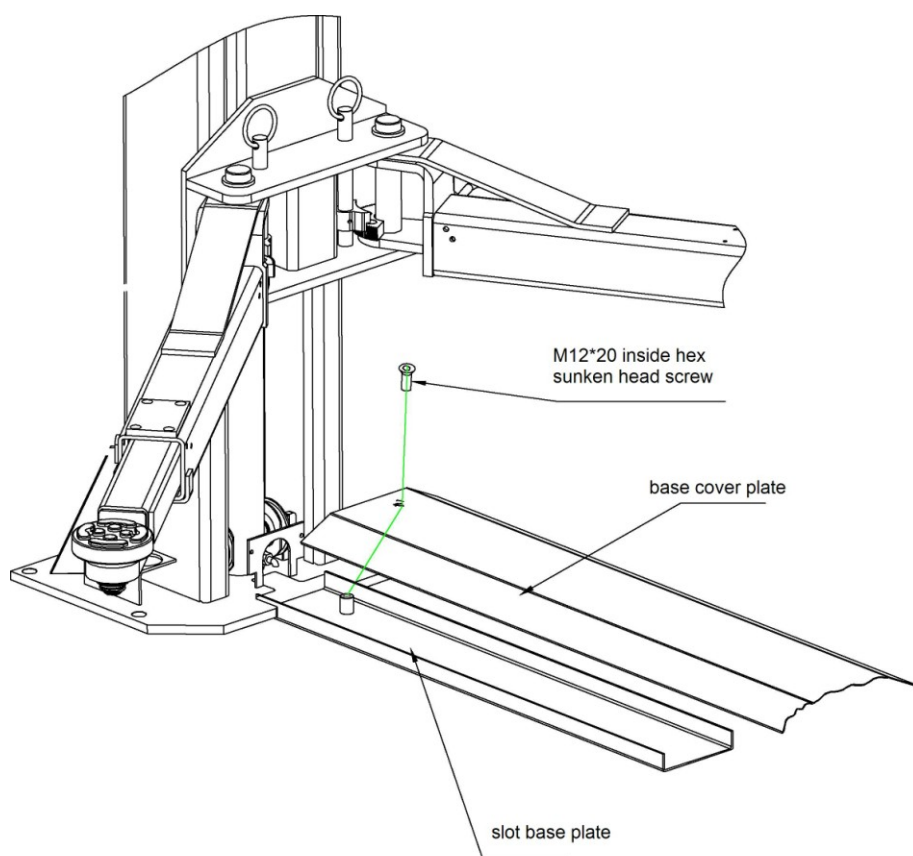
Step15: Trial running.

1. Do refer to the operation instructions in advance and keep in mind that no vehicle left on the lift in the process of trial running.
2. Check if all the connections are in good condition.

Step16: Fix feet protection fenders, chain protection clothes, electro-magnet protection covers, door-opening protections, top caps and lifting trays.



Step17: Fix base cover plate.



3.4 Items to be checked after installation.

S/N	Check items	YES	NO
1	Are the posts vertical to the floor?		
2	Are the two posts paralleled?		
3	Are oil hoses well connected?		
4	Are steel cables well connected?		
5	Are all lifting arms well fixed?		
6	Are electrical connections right?		
7	Are the rest joints firmly screwed?		
8	Are all items need lubricating added with grease?		

OPERATION INSTRUCTIONS

4.1 Precautions

4.1.1 Check all the joints of oil hose. Only when there is no leakage, the lift can start work.

4.1.2 The lift, if its safety device malfunctions, shall not be used.

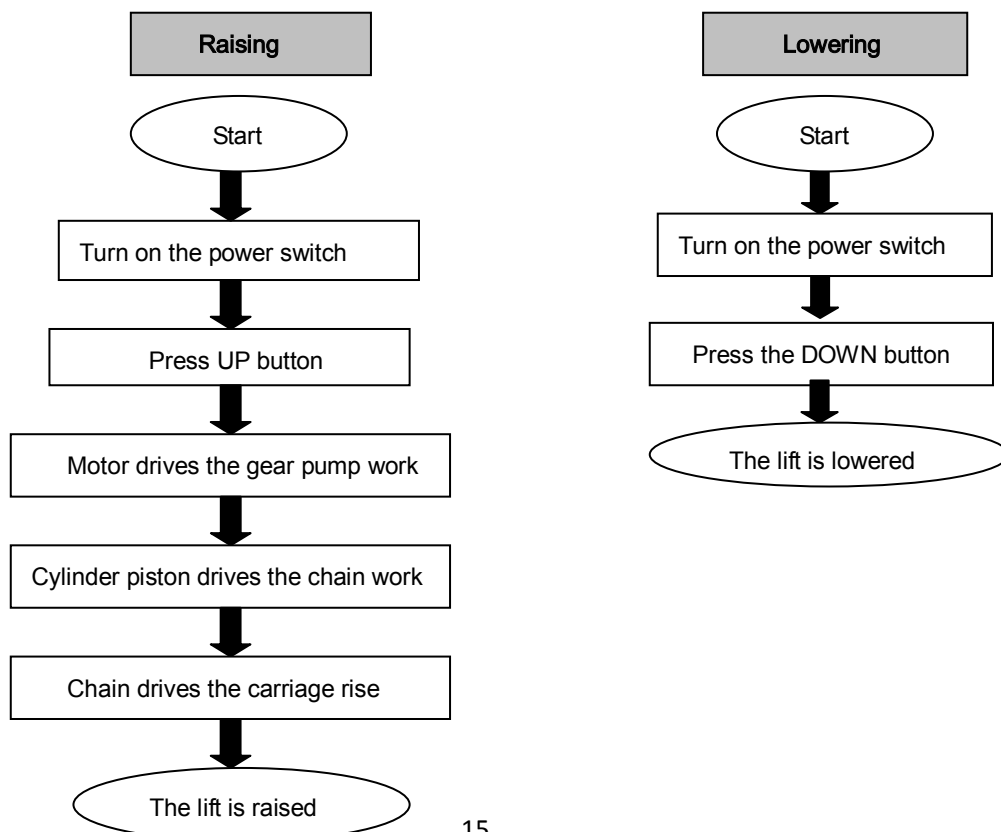
4.1.3 The machine shall not lift or lower an automobile if its center of gravity is not positioned midway of the swing arms. Otherwise, the Ever-Eternal as well as our dealers will not bear any responsibility for any consequence resulted thereby.

4.1.4 Operators and other personnel concerned should stand in a safety area during lifting and lowering process.

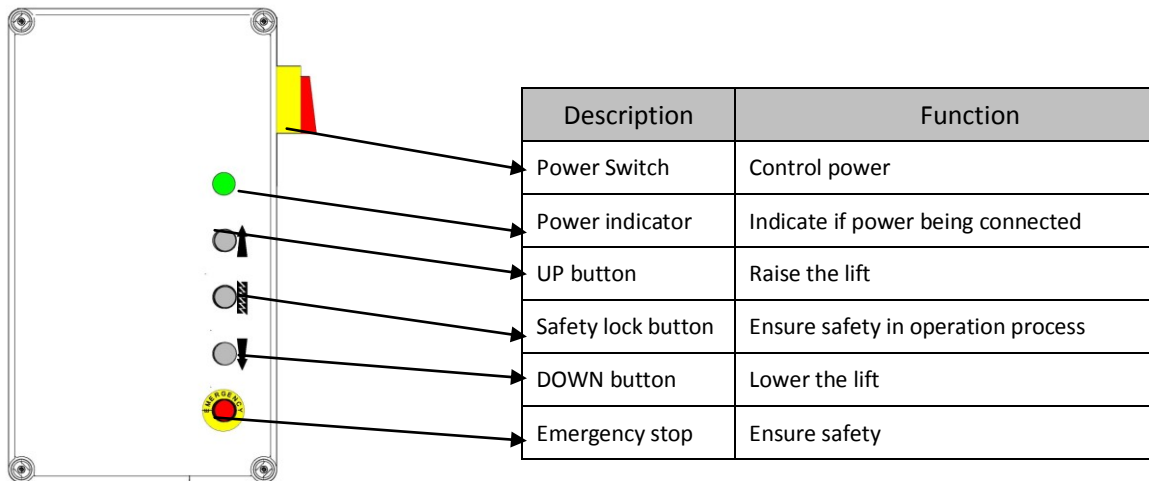
4.1.5 When lifting arms rise to the desired height, switch off the power at once to prevent any mal-operation done by unconcerned people.

4.1.6. Make sure the safety lock of the lift is engaged before start working under the vehicle and no people under the vehicle during lifting and lowering process.

4.2 Flow chart for operation



4.3 Operation instructions



Raise the lift

1. Make sure that you have read and understood the operation manual before operation.
2. Park the vehicle between two posts.
3. Adjust the lifting arms until they reach the supporting positions of the vehicle and make sure the gravity of vehicle located in the center of four lifting arms.
4. Connect the power supply as per requirements on the nameplate attached. and switch on.
5. Press the "UP" button on the control box until pads of lifting arms touched the prop-position of vehicle.
6. Keep on raising the vehicle to let it have a bit clearance from the ground and check again its stability.
7. Raise the vehicle to the desired height, check it is safe or not, press the "Safety Lock" button on the control panel to have the safety lock engaged, turn off the power and then perform maintenance or repair work underneath.

Lower the lift

1. Switch on.
2. Press the "DOWN" button on the control box. Meanwhile the lifting arms automatically go upwards about 5CM which releases the safety lock. The lift lowers.
3. After the lifting arms lower to the lowest position, pull them out from under the vehicle and clear up all the obstacles.
4. Drive the vehicle away.

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, troubles could be judged and solved much faster if more details or pictures could be provided.

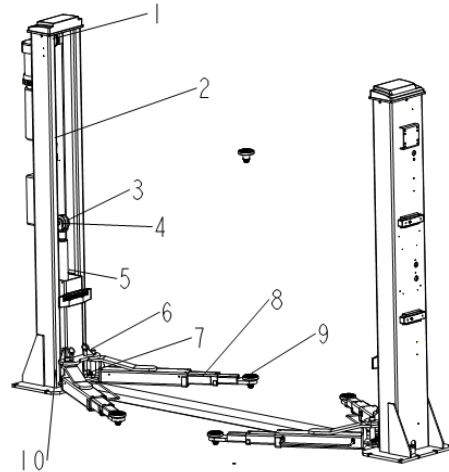
TROUBLES	CAUSE	SOLUTION
Abnormal noise	Abrasion exists on insider surface of the posts.	Grease the inside of the post.
	Trash in the post.	Clear the trash
Motor does not run and will not rise	The wire connection is loose.	Check and make a good connection.
	The motor is blown.	Replace it.
	The limit switch is damaged or the wire connection is loose.	Connect it or adjust or replace the limit switch.
Motor runs but will not raise	The motor run reversely.	Check the wire connection.
	Overflow valve is loose or jammed.	Clean or adjust it.
	The gear pump is damaged.	Replace it.
	Oil level is too low.	Add oil.
	The oil hose became loose or dropped off.	Tighten it.
	The cushion valve became loose or jammed.	Clean or adjusts it.
Carriages go down slowly after being raised	The oil hose leaks.	Check or replace it.
	The oil cylinder is not tightened.	Replace the seal.
	The single valve leaks.	Clean or replace it.
	Solenoid valve fails to work well.	Clean or replace it.
	Steel cable is loose or not with same tightness	Check and adjust the tightness.
Raising too slow	The oil filter is jammed.	Clean or replace it.
	Oil level is too low.	Add oil.
	The overflow valve is not adjusted to the right position.	Adjust it.
	The hydraulic oil is too hot (above 45°) .	Change the oil.
	The seal of the cylinder is abraded.	Replace the seal.
	Inside surface of the posts is not well greased.	Add grease.
Lowering too slow	The throttle valve jammed.	Clean or replace.
	The hydraulic oil is dirty.	Change the oil.
	The anti-surge valve jammed.	Clean it.
	The oil hose jammed.	Replace it.
The steel cable is abraded	No grease when installation or out of lifetime	Replace it.

MAINTENANCE

Easy and low cost routine maintenance can ensure the lift work normally and safely. Following are requirements for routine maintenance. Frequency of routine maintenance is determined by working condition and frequency.

THE FOLLOWING PARTS ARE NEEDED TO BE LUBRICATED

S/N	Description
1	Upper wheel
2	Steel cable
3	Chain wheel
4	Chain
5	Sliding block
6	Pin
7	Arm block
8	Lifting arm
9	Tray
10	Down wheel



6.1. Daily checking items before operation

The user must perform daily check. Daily check of safety lock system is very important – the discovery of device failure before action could save time and prevent great loss, injury or casualty.

- Before operation, judge whether the safety locks are engaged by sound.
- Check whether oil hose well connected and whether it leaks or not.
- Check the connections of chain and steel cable and check the power unit.
- Check whether expansion bolts are firmly screwed.
- Check if arm lock works well or not.

5.2. Weekly checking items

- Check the flexibility of moving parts.
- Check the working conditions of safety parts.
- Check the amount of oil left in the oil tank. Oil is enough if the carriage can be raised to highest position. Otherwise, oil is insufficient.
- Check whether expansion bolts are firmly screwed.

6.3. Monthly checking items

- Check whether expansion bolts are firmly screwed.
- Check the tightness of the hydraulic system and screw firm the joints if it leaks.
- Check the lubrication and abrasion circumstance of axial pins, carriages, lifting arms and other related parts and replace in time with new ones if they failed to work well.
- Check the lubrication and abrasion circumstance of steel cable.

6.4. Yearly checking items

- Empty the oil tank and check the quality of hydraulic oil.
- Wash and clean the oil filter.

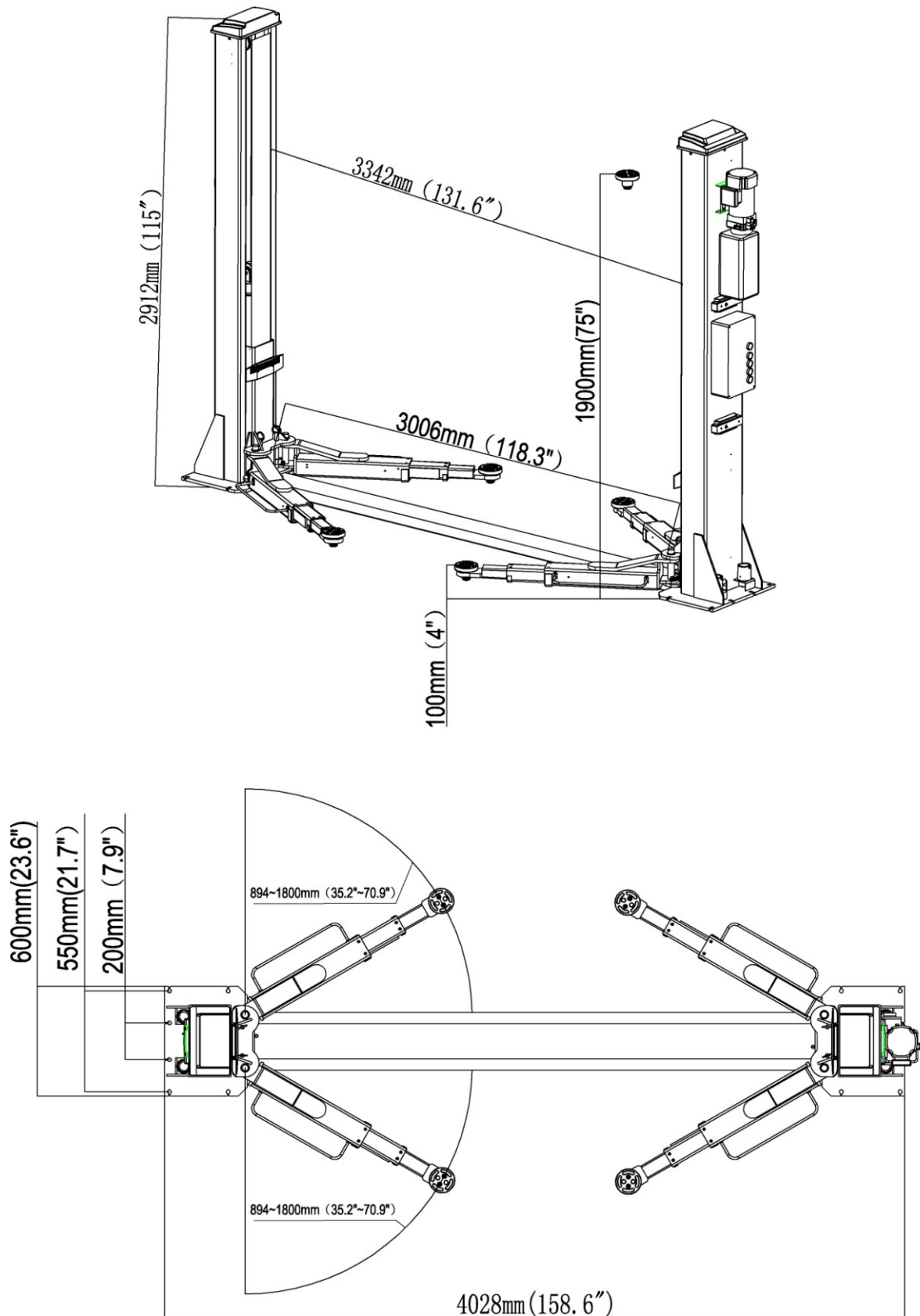
If users strictly follow the above maintenance requirements, the lift will keep in a good working condition and meanwhile accidents could be avoided to a large extent.

ANNEX

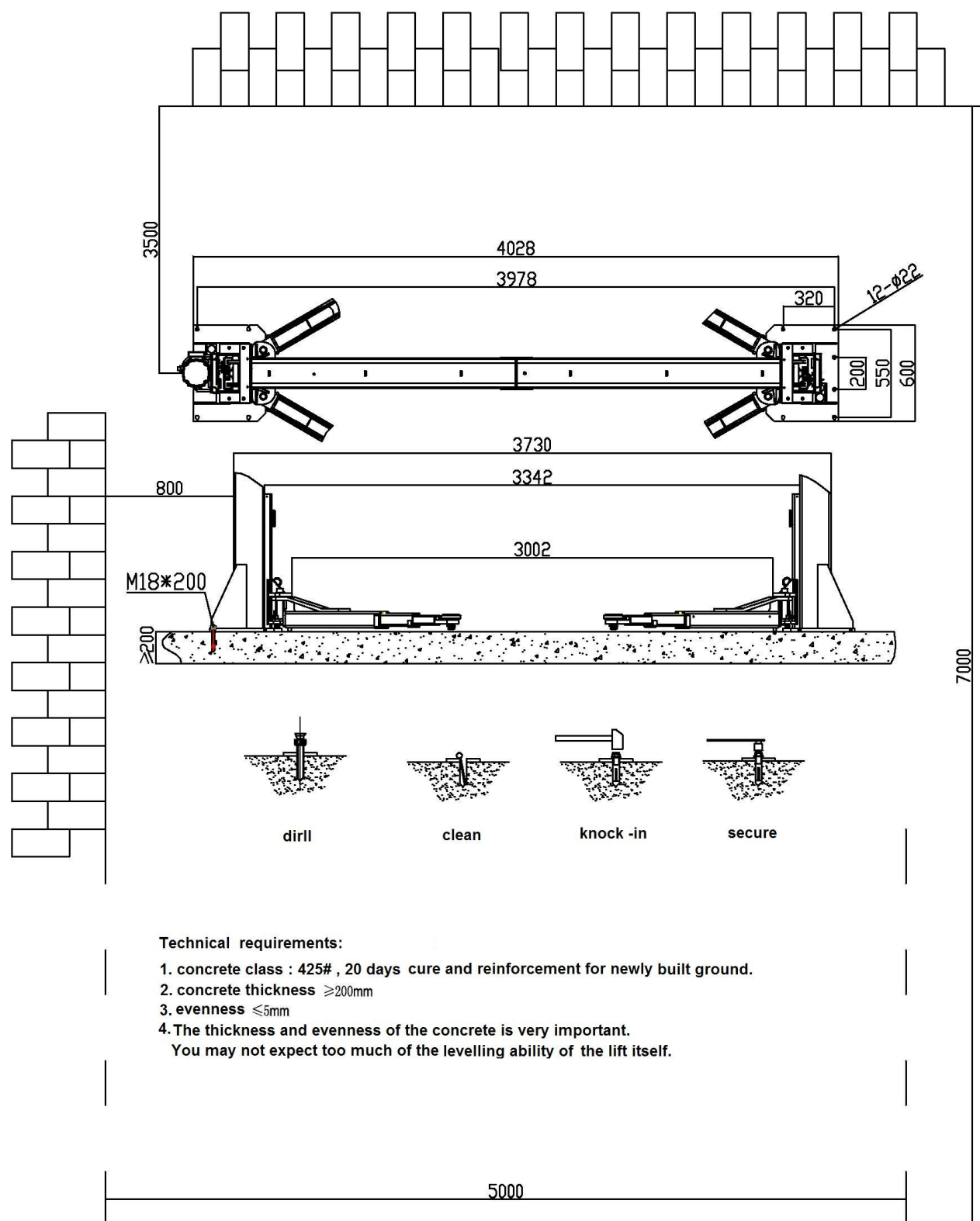
Annex 1, Packing List of the whole lift

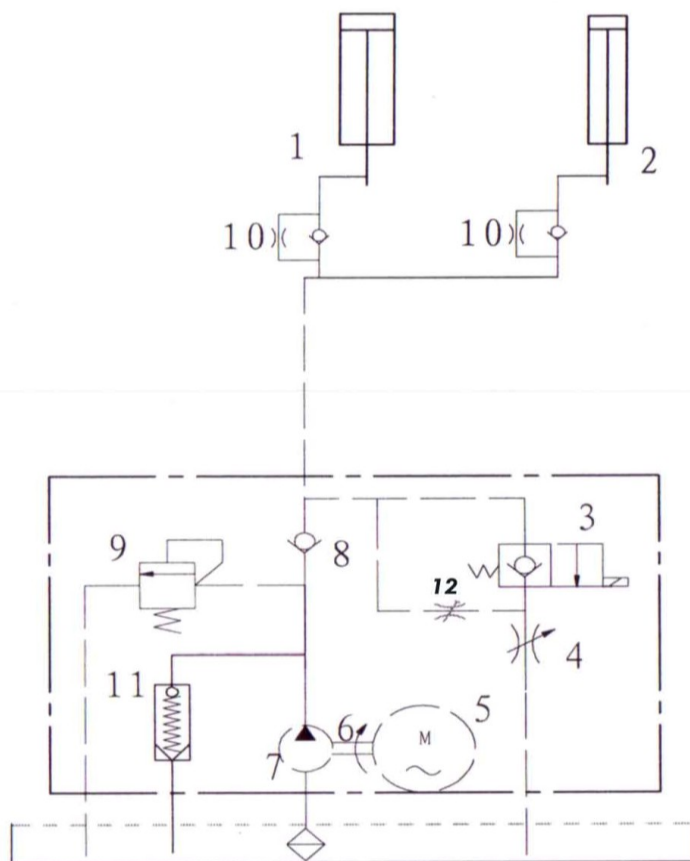
S/N	Material #	Name	Drawing#	Property	Qty
1	615013007	Power side post assembly	6255E-A1	Assembly	1
2	615013008	Post assembly	6255E-A2	Assembly	1
3	615013010	Carriage assembly	6255E-A3	Assembly	2
4	615013011	Lifting arms	6255E-A4	Assembly	4
6	614013008	Slot base plate assembly	6255E-A9	Powder coating parts	1
7	614013012	Base cover plate	6255E-A10	Powder coating parts	1
8		Power system		Assembly	
9		Control box		Assembly	1
10		A package of electromagnet		Package	1
11		Power unit		Assembly	1
12	420130020	Top cap	6255E-A12	ABS	2
Parts in the carton					
	614013009	Feet protection fenders	6255E-A4-B1-C7	Powder coating parts	4
	612013001	Lifting trays	6214EKZ-A4-B4-C	Assembly	4
	615013002B	Protection cloth	6255E-A5	Assembly	2
	624001065	Rubber oil hose L=3380mm	6255E-A7-B4	Assembly	1
	612015005	Shafts	6255E-A13	zinc-plating parts	4
	410040061	Safety locking plate	6254E-A13	45#	4
	420040060	Electromagnet cover	6254E-A15	ABS	4
	612004003	Height adapter	6254E-A11	Welding assembly	4
	410040071	Orientation block	6254E-A17	Q235A	4
	410040023	Hose and line cover	6254E-A18	Q235A	6
	410010051	Rod of protection cloth	6254E-A1-B6	Q235A	4
	201102020	Hex head full swivel screw	M10*35	Standard parts	4
	202111014	Inside hex sunken head screw	M12*20	Standard parts	2
	202110004	Hex socket cylinder head screw	M8*12	Standard parts	8
	202101021	Cross cap screw	M5*10	Standard parts	24
	202101025	Cross cap screw	M5*23	Standard parts	12
	202101027	Cross cap screw	M6*8	Standard parts	4
	202101031	Cross cap screw	M6*16	Standard parts	4
	202103021	Cross cap screw	M8*16	Standard parts	4
	204101004	Class C flat washer	Φ6	Standard parts	8
	204101006	Class C flat washer	Φ10	Standard parts	4
	204201005	Spring washer	Φ10	Standard parts	4
	203101004	Hex nut	M6	Standard parts	8
	203101006	Hex nut	M0	Standard parts	4
	204301013	Type B circlip	Φ38	Standard parts	4
	201201008	Expansion bolt	M18*200	Standard parts	12

Annex2, Overall diagram

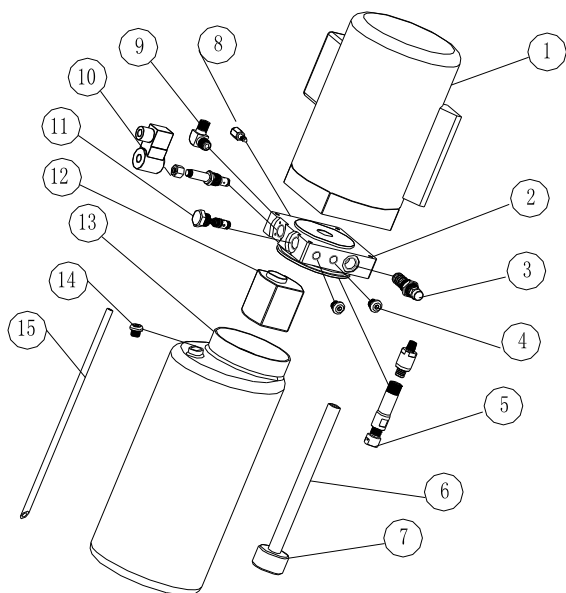


Annex3, Floor plan



Annex 4, Hydraulic working system


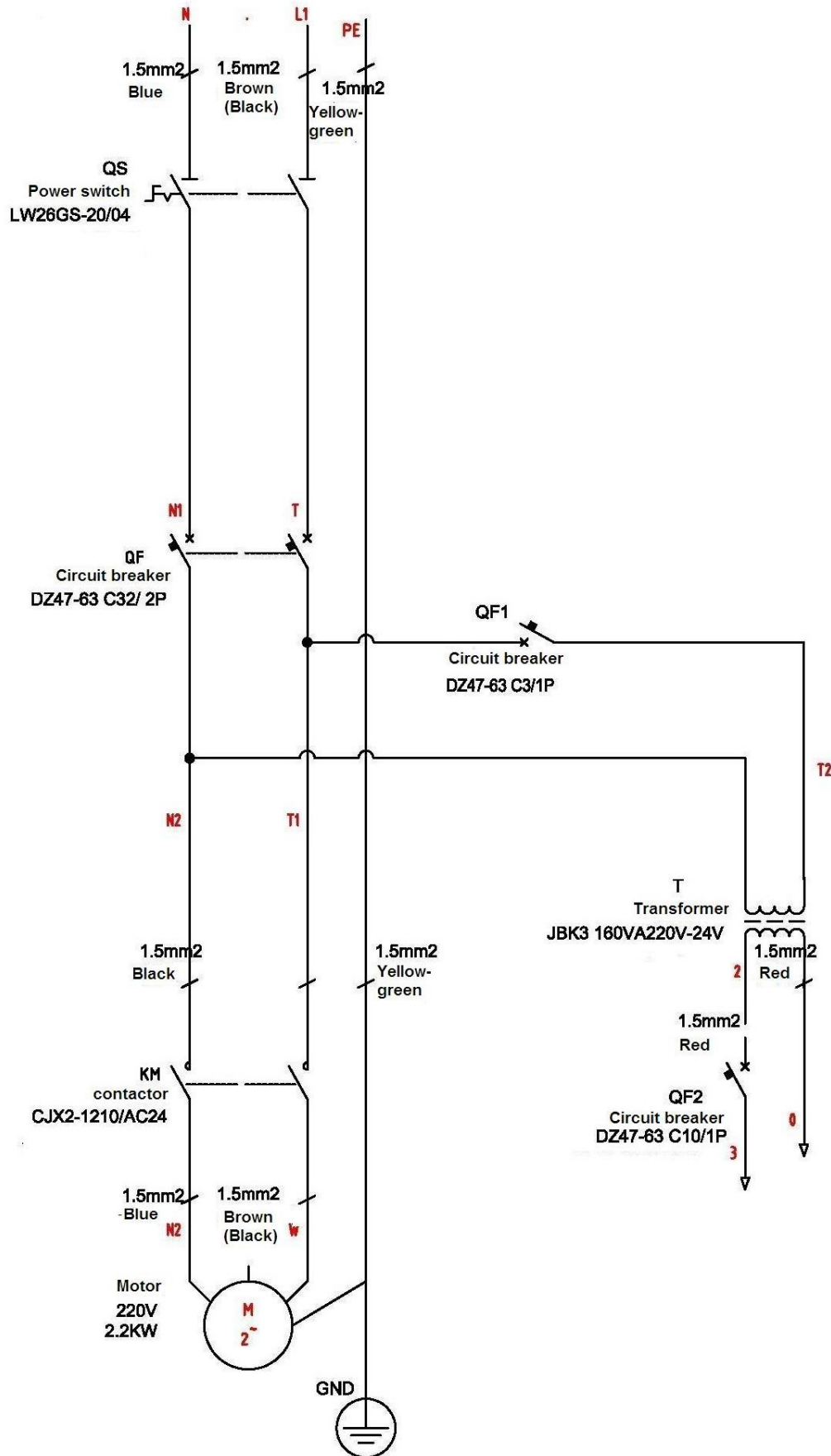
1. Main cylinder
2. Assistant cylinder
3. E-magnetic unloading valve
4. Throttle valve
5. Motor
6. Coupling
7. Gear pump
8. Single-way valve
9. Overflow valve
10. Anti-surge valve
11. Cushion valve
12. Emergent unloading valve



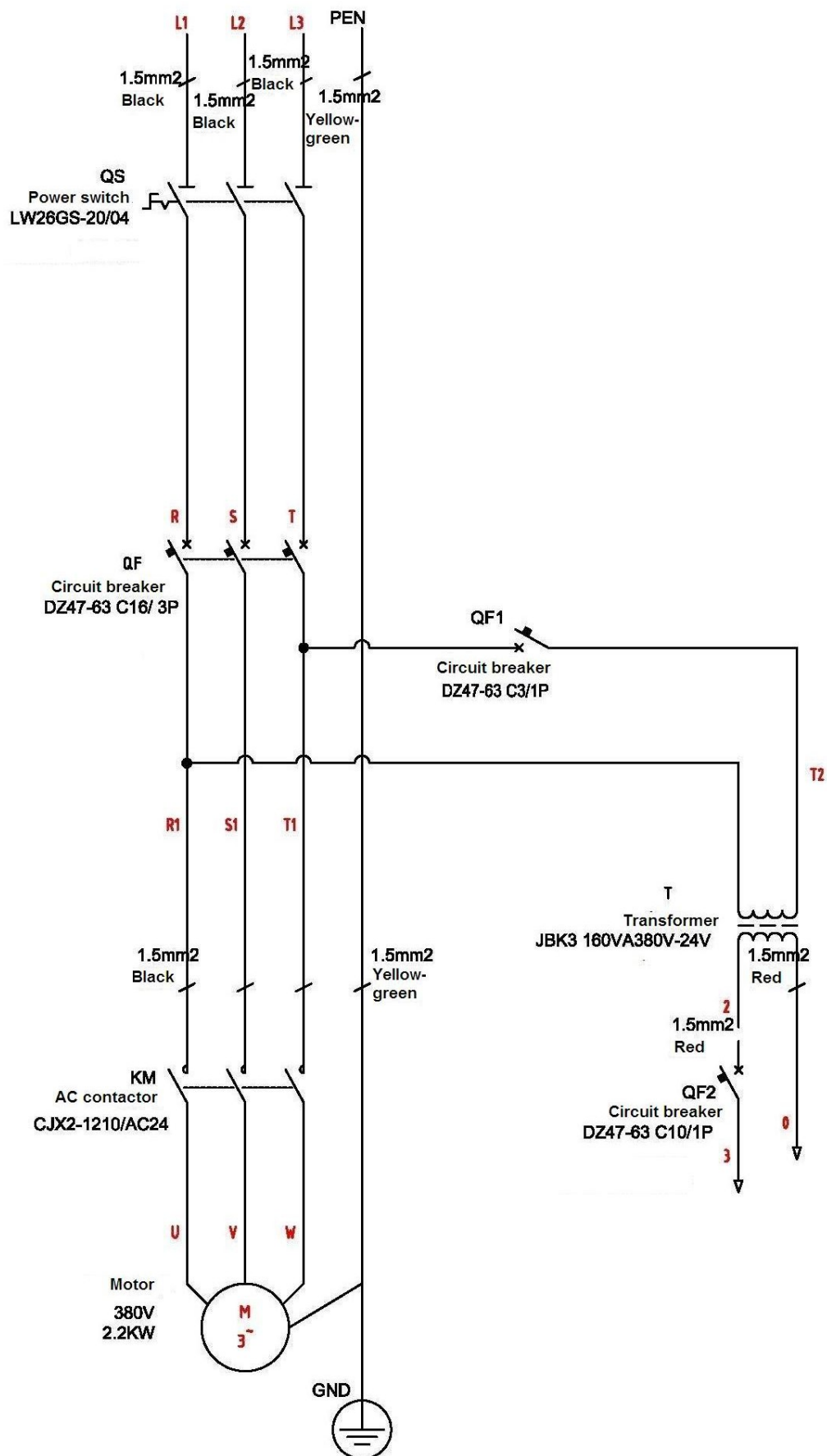
S/N	Name	Qty
1	Motor	1
2	Hydraulic block	1
3	Overflow valve	1
4	Removable plug	2
5	Cushion valve	1
6	Oil absorbing pipe	1
7	Oil filter	1
8	Throttle valve	1
9	Oil pipe tie-in	1
10	E-magnetic unloading valve	1
11	One-way valve	1
12	Gear pump	1
13	Plastic oil tank	1
14	Oil tank cover	1
15	Oil back pipe	1

Annex5, Wiring diagram

Single phase

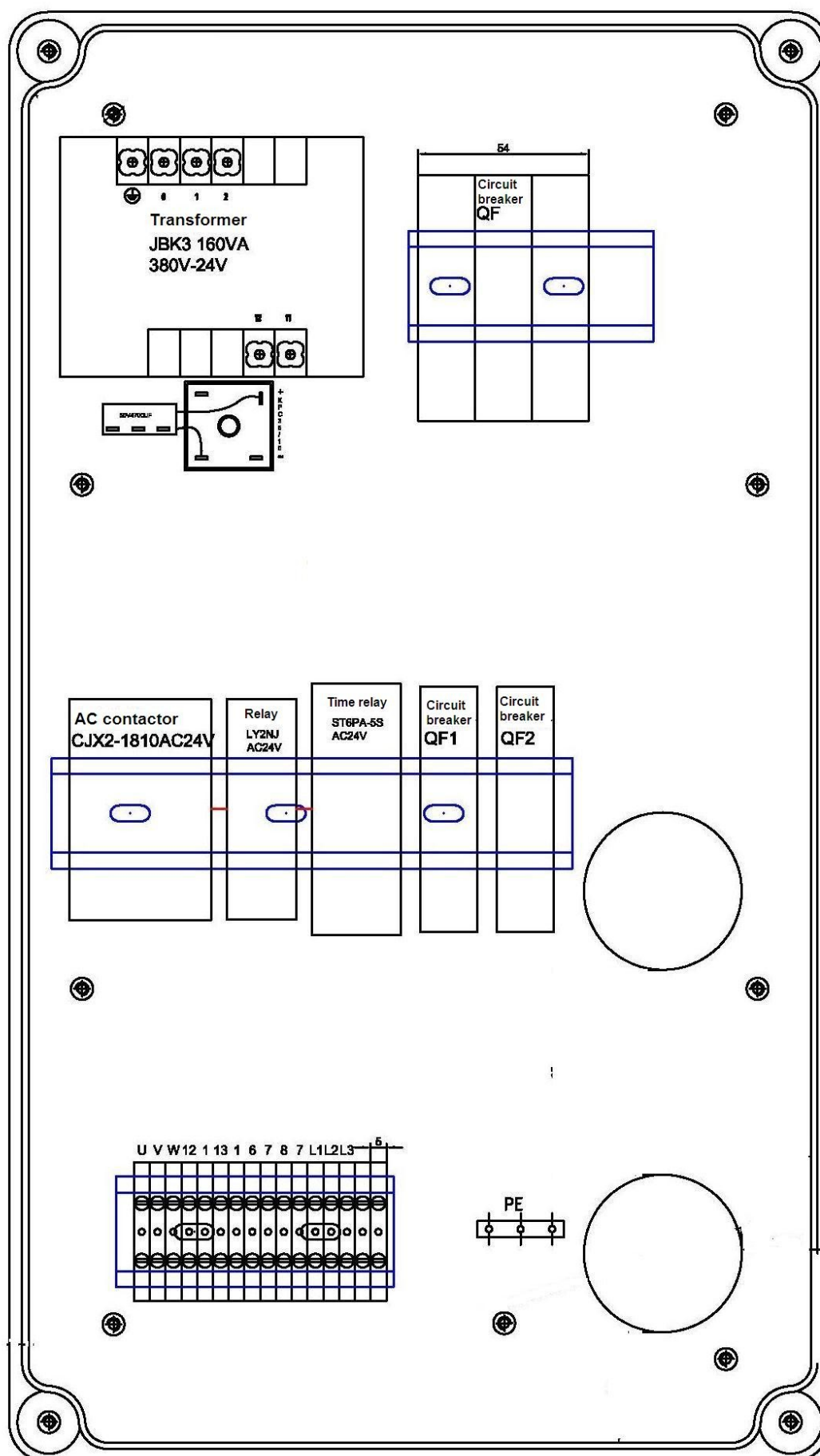


Three phase

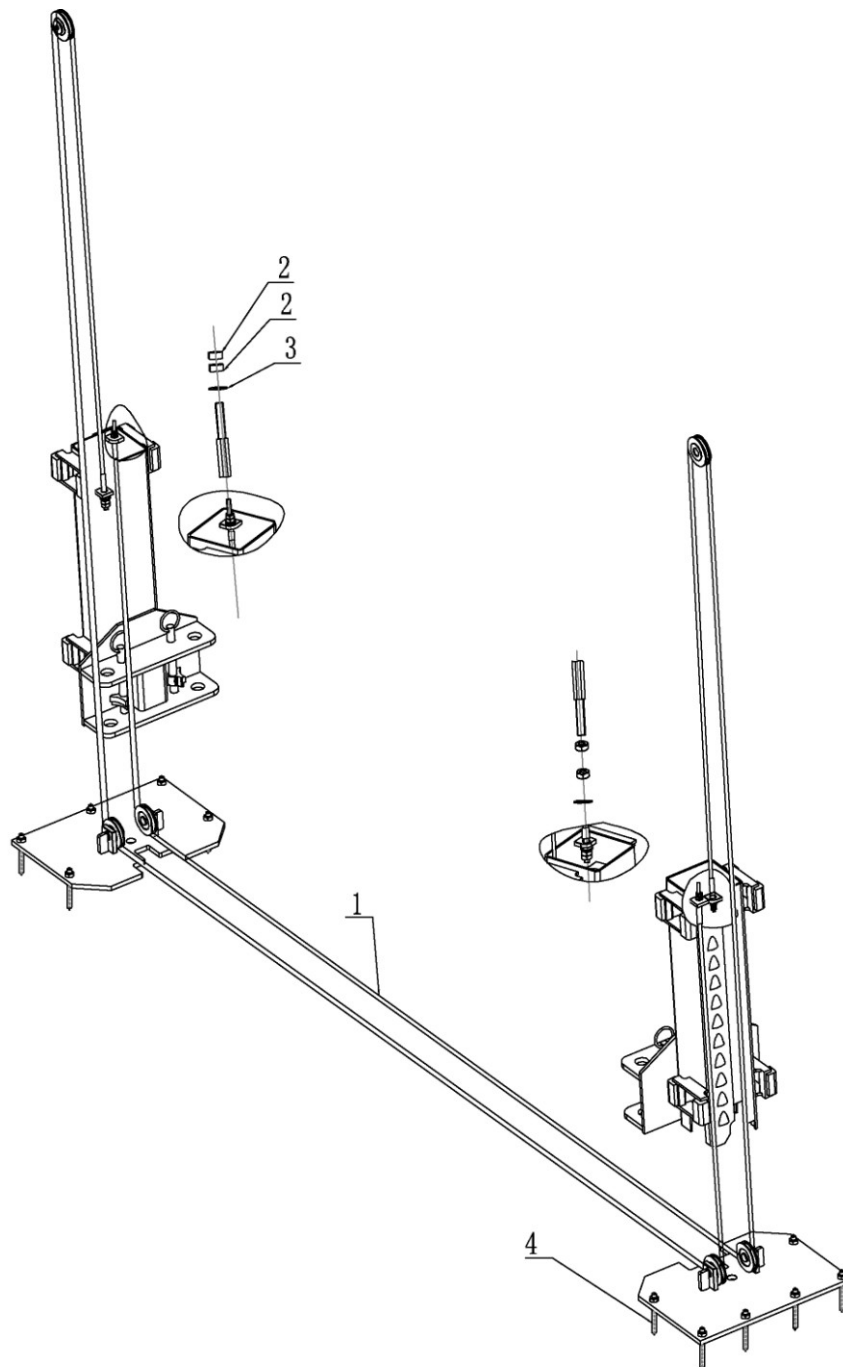




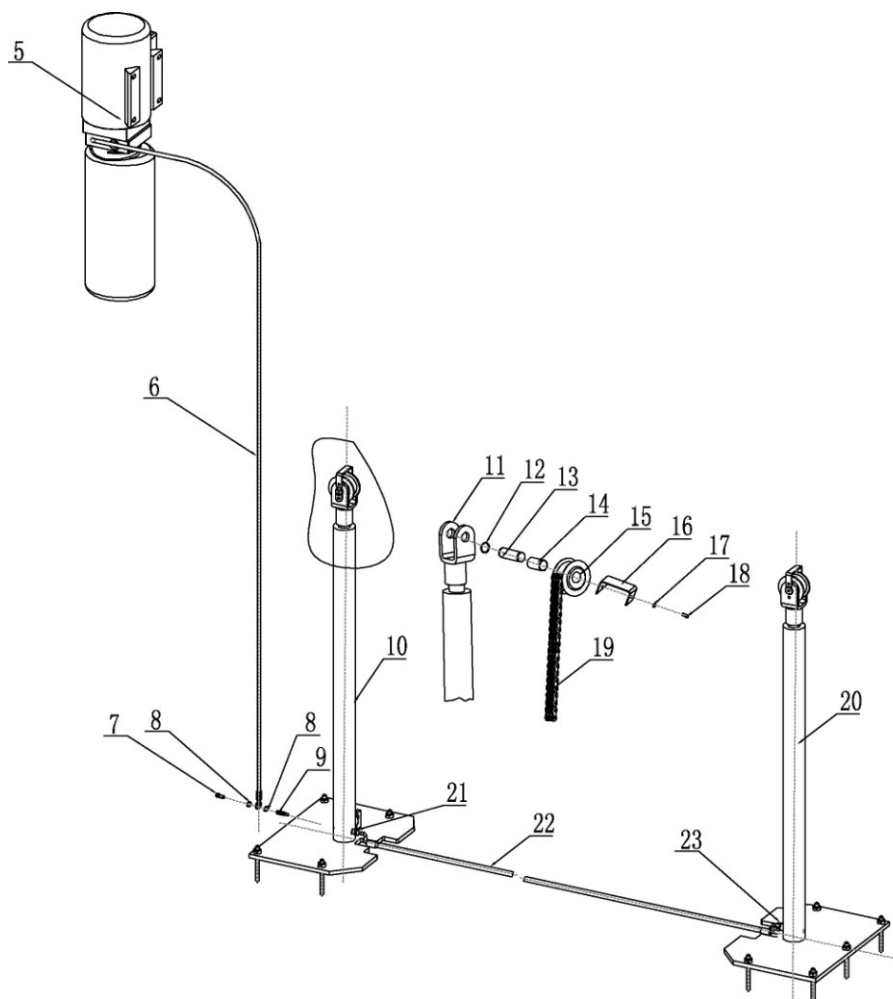




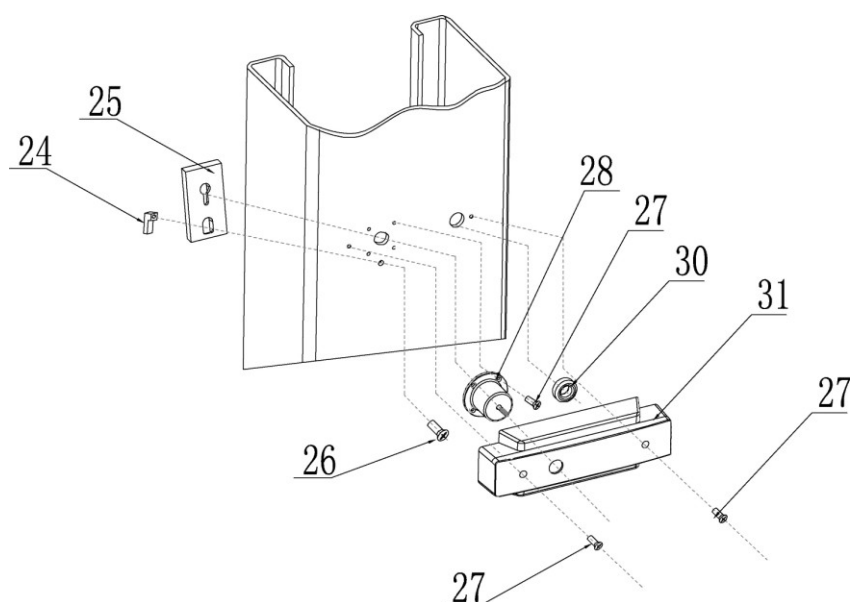
Annex 6, Separated drawings for the lift



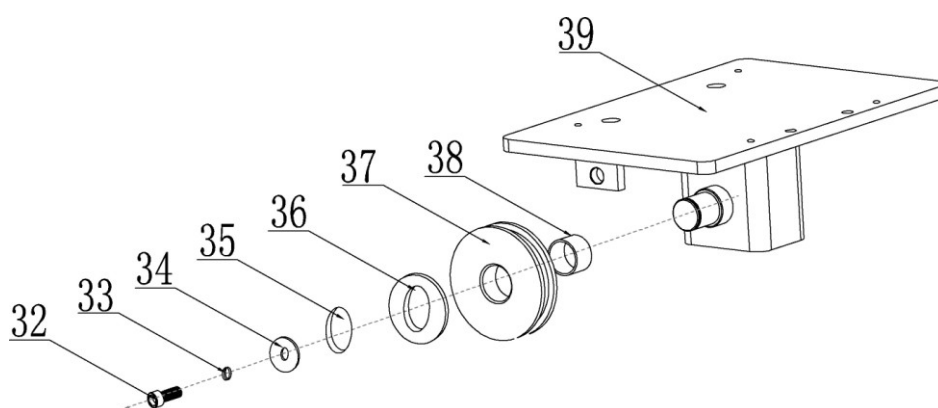
S/N	Material #	Name	Drawing#	Qty	Property	Note
1	615013005	Steel cable L=9380mm	6255E-A8	2	Assembly	
2	203101012	Hex nut M20	GB/T6170-2000	4	Standard	
3	204101011	Class C flat washer M20	GB/T95-1985	8	Standard	
4	201201008	Expansion bolt M18*200		12	Standard	



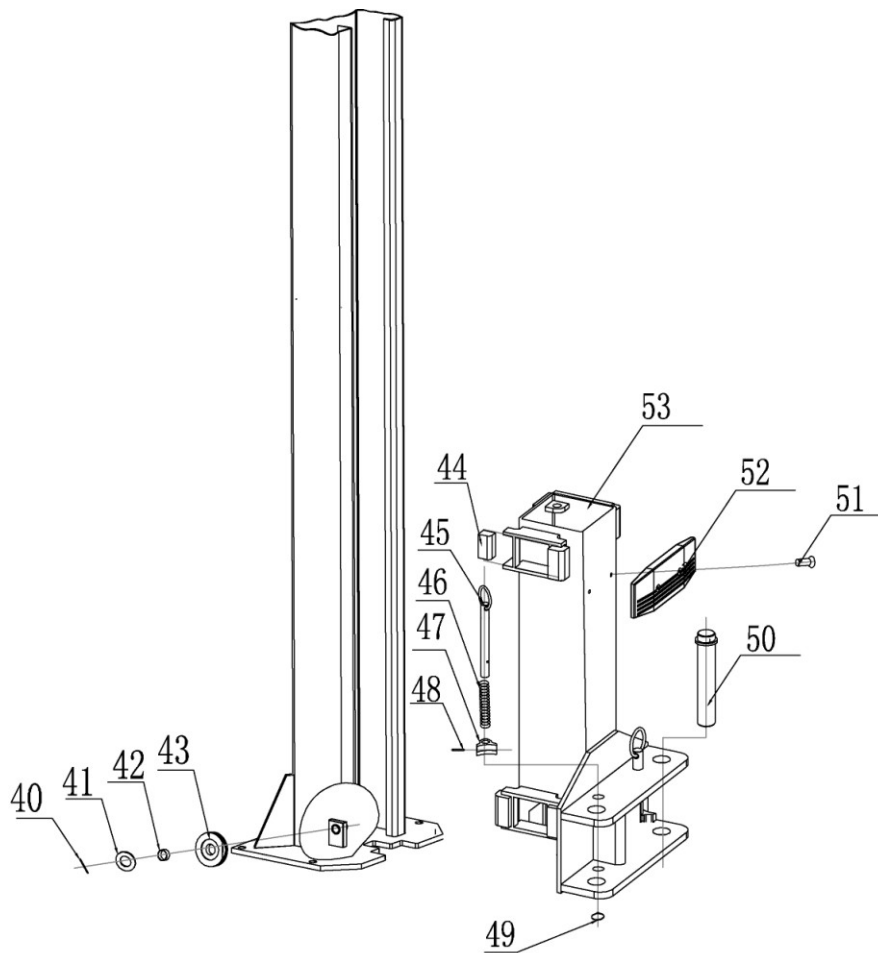
S/N	Material #	Name	Drawing#	Qty	Property	Note
5		Hydraulic power unit		1	Assembly	
6	624002002	PU oil hose L=2555		1	Assembly	
7	615015003	Connector	6255E-A7-B7	2	Assembly	
8	410080010	Copper washer	6214 match with 1/4connectot	4	Standard	
9	615015003	Connector	6255E-A7-B7	2	Assembly	
10	615013003	Oil cylinder	6255E-A7-B1	1	Assembly	
11	612001001	Chain wheel bracket	6254E-A4-B2	2	Welded	
12	204301009	Type B circlip 25	GB/T894.2-1986	4	Standard	
13	410010101	Shaft	6254E-A4-B3	2	Zinc-plating	
14	205101013	Bearing 2548	SF-1	2	Standard	
15	410130071	Wheel	6255E-A7-B5	2	Zinc-plating	
16	410130081	Baffle plate	6255E-A7-B6	2	Zinc-plating	
17	204201003	Spring washer	GB/T93-1987	4	Standard	
18	202109018	Inside hex cap screw	GB/T70.1-2000	4	Standard	
19	208108003	6255E Chain	LH1244	2	Standard	
20	615013004	Oil cylinder	6255E-A7-B2	1	Assembly	
21	615001009	Connector	6254E-A4-B11	1	Q235A	
22	624001065	Rubber oil hose L=3380		1	Assembly	
23	615001008	Short connector	6254E-A4-B10	1	Q235A	



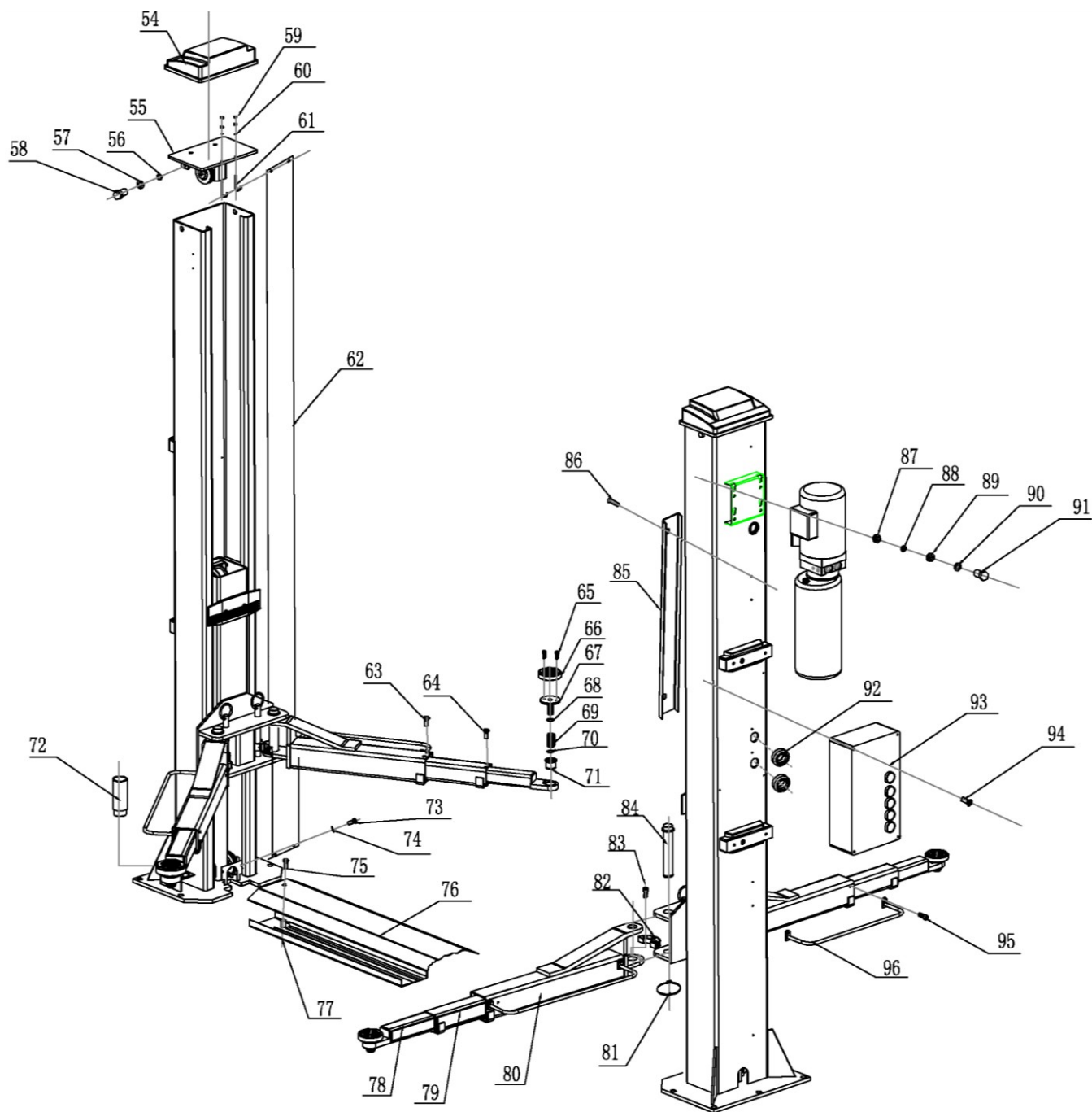
S/N	Material #	Name	Drawing#	Qty	Property	Note
24	410040071	Orientation block	6254E-A17	4	Zinc-plating	
25	410040061	Safety locking plate	6254E-A13	4	Zinc-plating	
26	202101031	Cross cap screw M6*16	GB/T818-2000	4	Standard	
27	202101021	Cross cap screw M5*10	GB/T818-2000	24	Standard	
28	330310005	Electromagnet	6254E-A14	4	Assembly	
30	420040020	φ20 hose protection ring	6254E-A22	2	Rubber	
31	420040100	Electro-magnet protection cover	6254E-A15	4	Plastic	



S/N	Material #	Name	Drawing#	Qty	Property	Note
32	202110005	Inside hex cap screw M8*20	GB/T70.2-2000	2	Standard	
33	204001004	Spring washer M8	GB/T93-1987	2	Standard	
34	410010081	Retaining ring	6254E-A5-B3	2	Zinc-plating	
35	204301009	Type B circlip 25	GB/T894.2-1986	2	Standard	
36	410010031	Washer	6254E-A1-B3	4	Zinc-plating	
37	410130051	UP pulley	6255E-A1-B2	2	Zinc-plating	
38	205101008	Bearing 2518	SF-1	2	Standard	
39	614013002	Top plate	6254E-A5-B2	2	Welded	



S/N	Material #	Name	Drawing#	Qty	Property	Note
40	206201001	Cotter pin $\Phi 2.5 \times 30$	GB/T91-2000	4	Standard	
41	410010031	Washer	6254E-A1-B3	4	Zinc-plating	
42	205101008	Bearing 2518	SF-1	4	Standard	
43	410130051	Pulley	6255E-A1-B2	4	Zinc-plating	
44	420010010	Slider	6254E-A2-B5	16	Nylon	
45	612015006B	Pulling rod	6255E-A3-B4	4	Zinc-plating	
46	410150121	Pressure spring	6254E-A2-B4	4	Zinc-plating	
47	410150111	Teeth block	6254E-A2-B3	4	Zinc-plating	
48	206102006	Spring pin 5×35	GB/T879.1-2000	4	Standard	
49	204301008	Type B circlip 22	GB/T894.2-1986	4	Standard	
50	612015005	Shaft	6255E-A13	4	Zinc-plating	
51	202103021	Cross sunken head screw M8*16	GB/T819.1-2000	4	Standard	
52	420130040B	Rubber pad	6255E-A3-B3	2	Rubber	
53	614013004	Carriage	6255E-A3-B1	2	Welded	



S/N	Material #	Name	Drawing#	Qty	Property	Note
54	420130030	Top cap	6255E-A12	2	Plastic	
55	614013002	Top plate	6255E-A1-B3-C1	2	Assembly	
56	204101007	Class C flat washer M12	GB/T95-1985	6	Standard	
57	204201006	Spring washer M12	GB/T93-1987	6	Standard	
58	201102025	Hex head full swivel bolt M12*20	GB/T5781-2000	6	Standard	
59	203101004	Hex nut M6	GB/T6170-2000	8	Standard	
60	204101004	Class C flat washer M6	GB/T95-1985	4	Standard	
61	410010051	Rod for protection cloth	6254E-A1-B5	4	Standard	

S/N	Material #	Name	Drawing#	Qty	Property	Note
62	615013002B	Protection cloth	6255E-A5	2	Cloth	
63	202103020	Cross sunken head screw M8*12	GB/T819.1-2000	4	Standard	
65	202111007	Inside hex sunken head screw M8*20	GB/T70.3-2000	8	Standard	
66	420130010	Rubber lifting pad	6214EKZ-A4-B4-C4	4	Rubber	
67	612013001	Lifting tray	6214EKZ-A4-B4-C1	4	Welded	
68	204302001	Circlip 35	GB/T895.2-1986	4	Standard	
69	410130031	Swivel sheath	6214EKZ-A4-B4-C2	4	Zinc-plating	
70	204302005	Circlip 42*2.5	GB/T895.2-1986	8	Standard	
71	410130041	Inside swivel sheath	6214EKZ-A4-B4-C3	4	Zinc-plating	
72	612013002	Height adapter	6214EKZ-A4-B5	4	Zinc-plating	
73	202101027	Cross cap screw M6*8	GB/T818-2000	4	Standard	
74	204101004	Class C flat washer M6	GB/T95-1985	4	Standard	
75	202111013	Inside hex sunken head screw M12*16	GB/T70.3-2000	2	Standard	
76	614013012	Base cover plate	6255E-A10	1	Q235A	
77	614013008	Slot base plate	6255E-A9	1	Welded	
78	614013007	Short arm	6255E-A4-B3	4	Welded	
79	614013006	Mid arm	6255E-A4-B2	4	Welded	
80	614013005	Lifting arm assembly	6255E-A4-B1	4	Welded	
81	204301013	Type B circlip 38	GB/T894.2-1986	4	Standard	
82	410150131	Semi-teeth block	6254E-A7-B6	4	Q235A	
83	202109041	Inside hex cylinder head screw M10*20	GB/T70.1-2000	12	Standard	
84	612015005	Shaft	6255E-A13	4	Zinc-plating	
85	410040023B	Hose protection cover	6254E-A18	6	Q235A	
86	202101038	Cross cap screw M5*25	GB/T818-2000	12	Standard	
87	203101006	Hex nut M10	GB/T6170-2000	4	Standard	
88	204201005	Spring washer M10	GB/T93-1987	4	Standard	
89	420040010	Anti-short pad	6254E-A23	4	Rubber	
90	204101006	Class C flat washer M10	GB/T95-1985	4	Standard	
91	201102020	Hex head full swivel bolt M10*35	GB/T5781-2000	4	Standard	
92	420040030	Φ40 hose protection ring	6254E-A21	2	Rubber	
93		Control box	6255E	1	Assembly	
94	202101021	Cross cap screw M5*10	GB/T818-2000	4	Standard	
95	202110004	Inside hex cap screw M8*12	GB/T70.2-2000	8	Standard	
96	614013009	Feet protection fender	6255E-A4-B1-C7	4	Welded	

Annex 7. Spare parts list
Spare parts list---electrical system

S/N	Material #	Name	Spec.	Unit	Qty	Pic.
1	320304001	Power switch	LW26GS-20/04	Pcs	1	
2	320401001	Button	Y090-11BN	Pcs	1	
3	321201001	Power indicator	AD17-22G-AC24	Pcs	1	
4	320101057 320101054	Transformer	JBK-160VA380V-2 4V JBK-160VA220V-2 4V	Pcs	1	
5	320901001	AC contactor	CJX2-1210/AC24	Pcs	1	
6	320801001 320802001	Circuit breaker	DZ47-63 C16/3P DZ47-63 C32/2P	Pcs	1	
7	320803001	Circuit breaker	DZ47-63 C3/1P	Pcs	1	
8	320301011	Limit switch	TZ8108	Pcs	1	
9	320402001	Emergency stop	Y090-11ZS/RED	Pcs	1	
10	321002001	Bridge rectifier	KBPC5A-35A	Pcs	1	
11	321001004	Capacitor	4700UF/50A	Pcs	1	

S/N	Material #	Name	Spec.	Unit	Qty	Pic.
12	320601004	Relay	LY2NJ/AC24	Pcs	1	
13	320601009	Relay holder	PTF-08A	Pcs	1	
14	320602001	Time relay	ST6PA-5S/AC24V	Pcs	1	
15	320602006	Time relay holder	PYF-08AE	Pcs	1	
16	321204002	Control box	260*460*135	Pcs	1	

Spare parts list---mechanical part

S/N	Material #	Name	Drawing#	Qty	Property	Note
1	420010010	Slider	6254E-A2-B5	16	Nylon 1010	
2	420040050B	Rubber lifting pad	6254E-A7-B4-C4	4	Rubber	
3	207101019	O-shape seal ring	Inside diameter 23.6*3.55			
4	207103020	Y-shape seal ring	SD70*60*8			
5	207105005	Anti-dust ring	DHS40(40*48*5/6.5)			