

Middle rise scissor lift

User' s Manual

Precautions



This machine is a kind of lifting and lowering equipment. Correct operative procedures must be applied and lift operators must be skilled. Every operator shall do as follows:

- 1、 Obtain detailed User' s Manual from the seller
- 2、 Pay attention to the warnings and maintenance requirements;
- 3、 Conduct safety operation trainings and master the skills
- 4、 Get professional technical support from the User' s Manual

Any responsibilities shall be borne by the buyer in case of any operation not in accordance with the User' s Manual.

Operators shall lift the machine to the limit switch and apply lubricant oil on the top of oil cylinder to avoid any rusting and abrasion of seal rings.

Special instructions

1. At the arrival of the machine, please check the packing carefully. The buyer could claim against the shipper in the case of any damage to the machine or loss of components.
2. Proper training and careful operation could strengthen safety during operation. Any operator could not operate or repair the machine without reading this manual.
3. Check the power and voltage requirements marked in the motor name plate. Connecting to the power supply shall be done by a professional and qualified electrician.
4. Our factory has no obligations to inform the buyer on any improvement or update of sold products.
5. Please read and fill carefully the “warranty card” and feed back to the dealer and our factory as a necessary document for after-sales services, otherwise it will be regarded as giving up the after-sales service.
6. The gross weight of the lifted vehicle could not exceed the rated lifting capacity.
7. Please read the warning carefully.

Catalogues

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1. Key points

Key points have been mark in this manual. Pay attention to the following warnings.



The Safety Alert Symbol means ATTENTION !
BECOME ALERT! YOUR SAFETY IS INVOLVED!



Failure to follow WARNING instructions could result in severe injury or death to the lift operator, a bystander or a person inspecting or repairing the lift.

CAUTION

A CAUTION indicates special precautions that must be taken to avoid damage to the lift.

NOTE

A NOTE provides key information to make procedures easier or clearer. and also some important things.

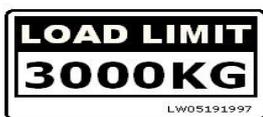
***Note:**

1.1 This manual is an integral part of the lift and shall be kept with the lift.

1.2 We are making constant effort for improvement in design and quality. This manual shall include the latest information, but there could be small difference between the lift and the manual. Please refer to the dealer if you have any query.

2. Safety Instructions

Please read the following marks before operation.



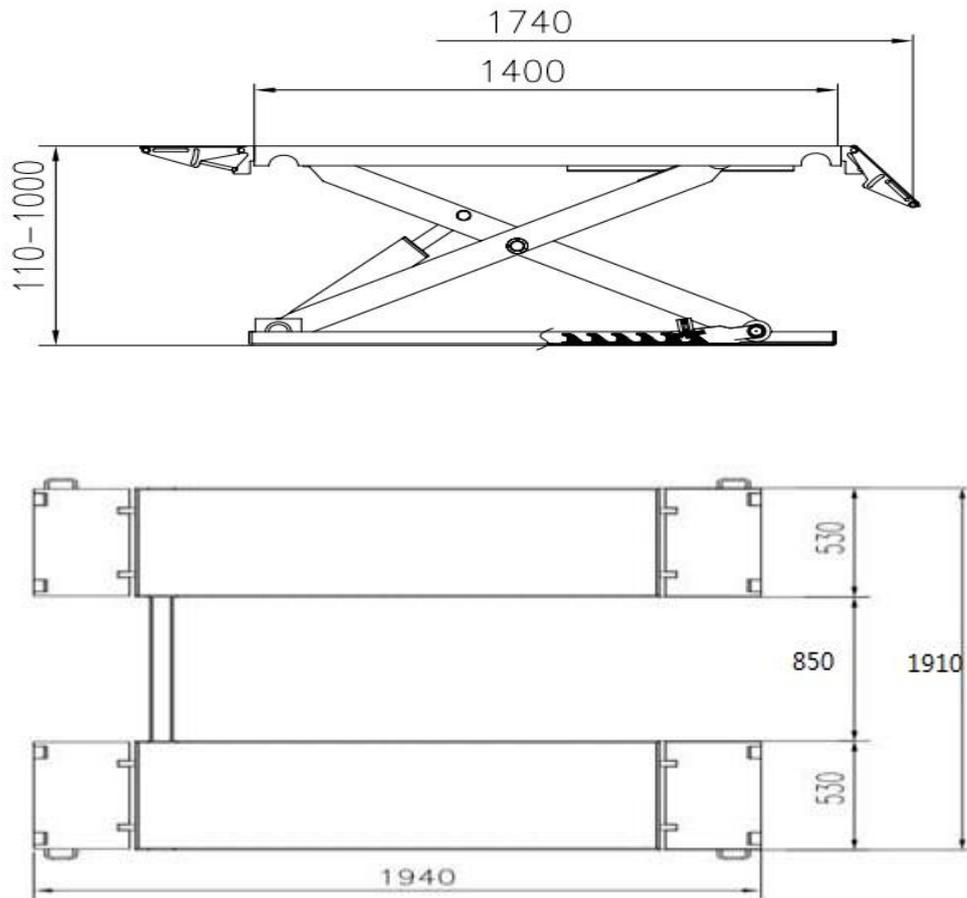
2. Transport and Packing

Air bubble film is applied for packing. The control box is packed in cartons.

- 3.1 Please examine the machine in case of any defects or damages of packing.
- 3.2 Please put the packing materials out of children' s reach to avoid any potential danger.

4. Main technical parameters

Main specifications and technical parameters:	
Max.lifting capacity	3500kg
Max.lifting height	1000mm
Min.height	110mm
lifting time	30sec
Power supply	110v/220v/380v/240V
Noise level	<65dB
Gross weight	525kg
pressure	0.6-0.8Mpa
oil pressure	28Mpa



5. Foundation and requirements

5.1 The lift shall be installed at the place with safety and standard. The ground shall be even and no damage to ensure the running of the lift and the movement of the platforms.

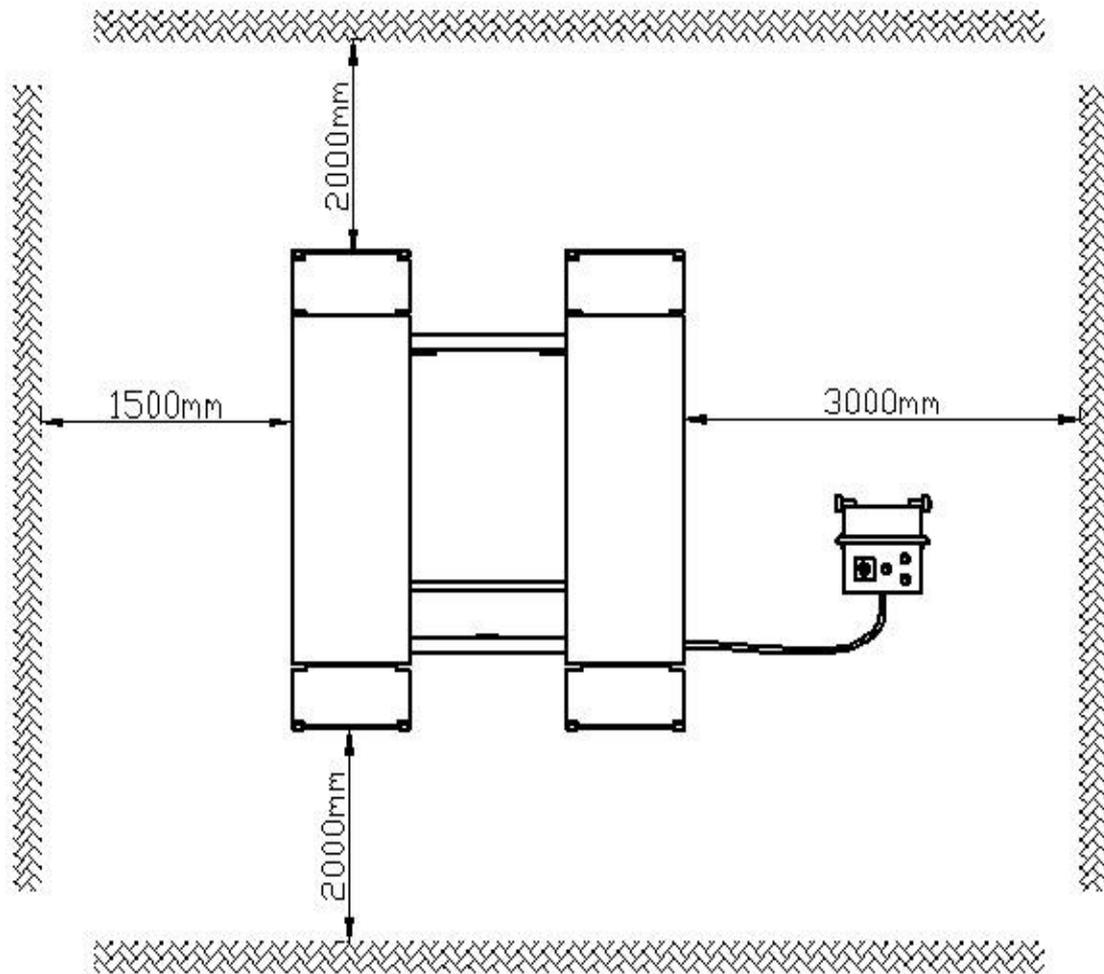
5.2 Moisture-proof measures must be taken to protect from the rain if installed outside.

5.3 The environment shall be:

- ①Relative humidity: 30-95%, no water
- ②temperature: 5-55°C

 The lift must be far away from explosive objects.

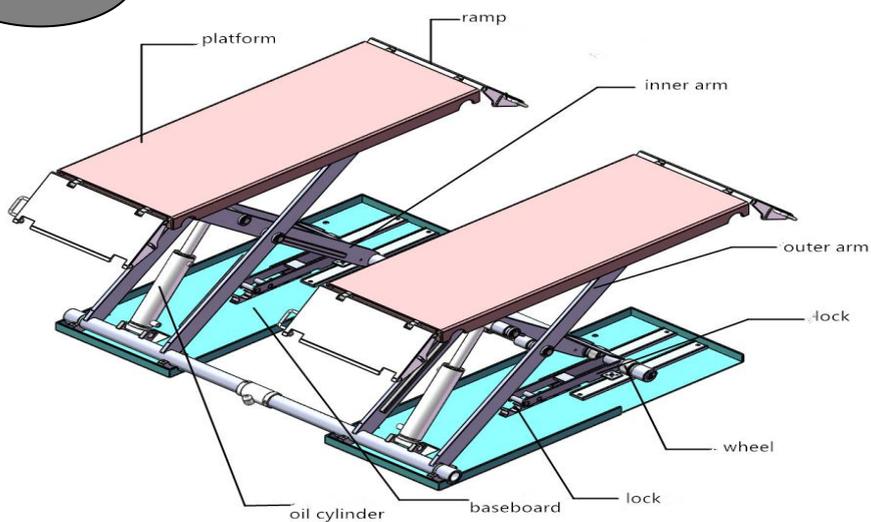
The maximum space occupied by the lift shall be 3200x2000mm. Regarding the minimum distance from the wall, please refer to the picture.



 The above is the working area of the lift. Any people except specially trained and authorized people must be forbidden into this area.

Main part list

Lift



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The above picture lists main components. Regarding the details, please refer to the part list.



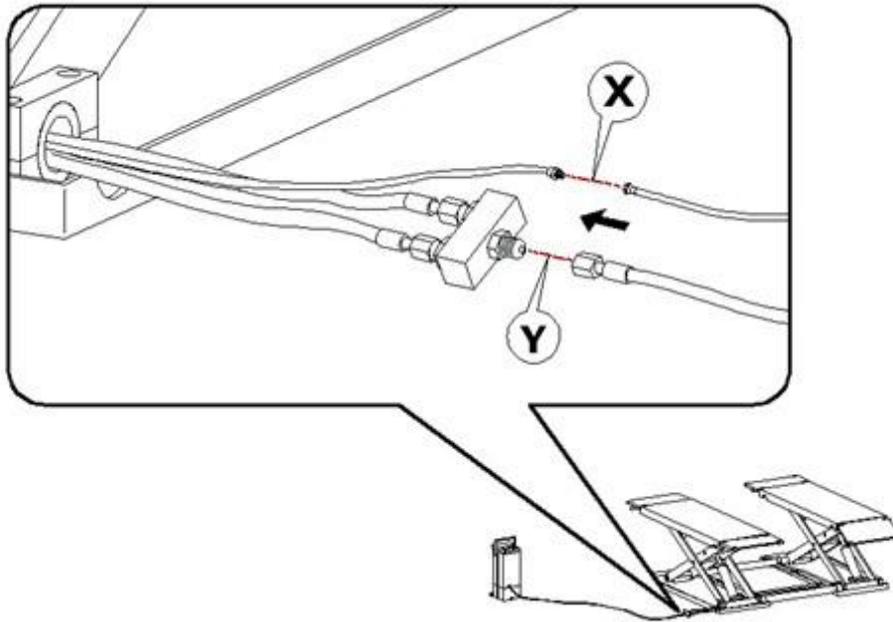
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The above is the control box. Regarding the details, please refer to the Explosive Diagram.

6. Installations

6.1 Line Connection

As shown in the following picture, there are two lines in the control box. (x) Line is a pneumatic line for safety. (Y) Line connects the hydraulic oil line and hydraulic oil cylinder.

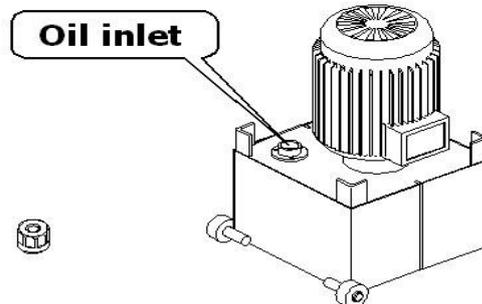


6.2 Add hydraulic oil

Open the motor cabinet and then open the oil tank cover anticlockwise. As shown in the picture, add the hydraulic oil of winter 32#/summer 46#.

CAUTION

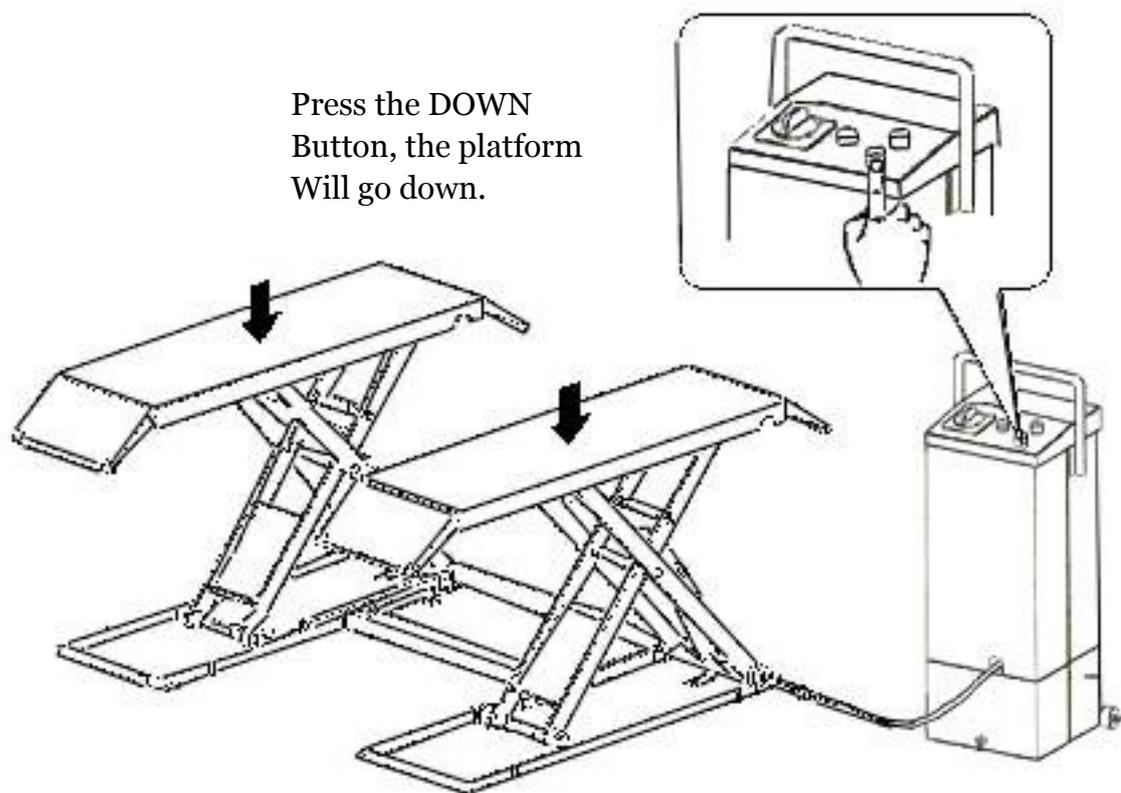
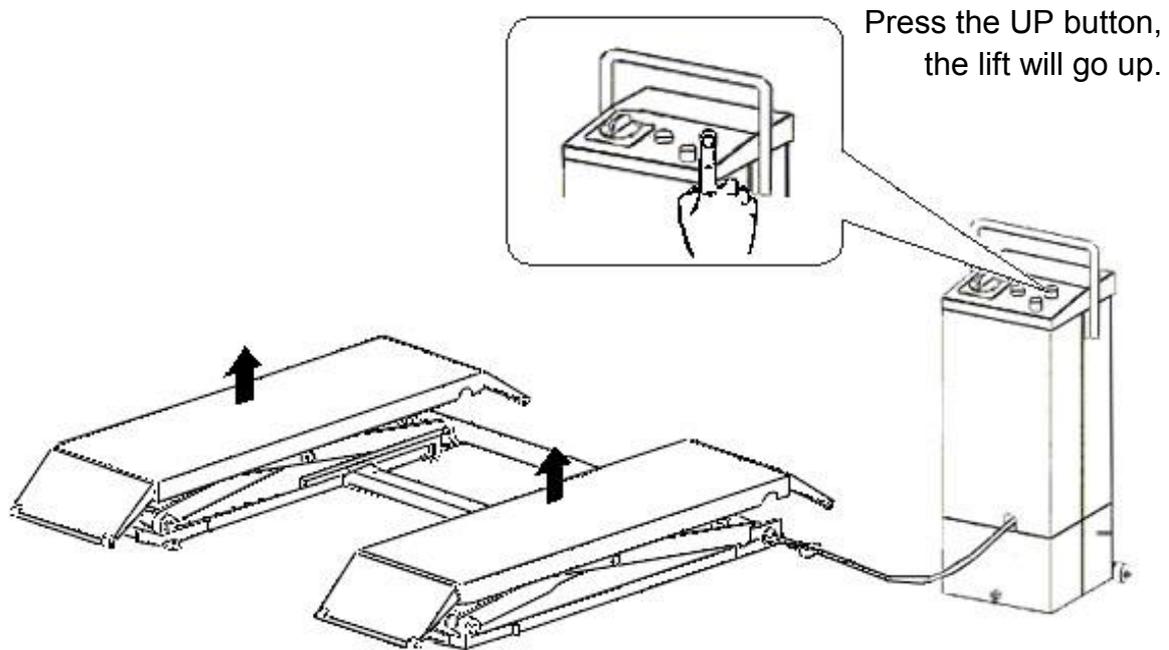
Use only given and eligible hydraulic oil, any other oil will cause severe damage to internal parts, such as the gear-pump, pipes and cylinders.



- ◇ Ensure there is enough hydraulic oil in the tank during operation.
- ◇ Do not add too much hydraulic oil, otherwise the oil level goes up and the oil spills.
- ◇ Check if the oil tank cover is shut down correctly before operation.

7. Operation

Please keep your hands and other parts of your body far away from the operating lift. Potential danger could occur when you wear necklace, bracelet or loose clothes.



Attention:

Any people must be forbidden staying in the lifted vehicles during operation, otherwise he would be injured or dead.

8. Storage

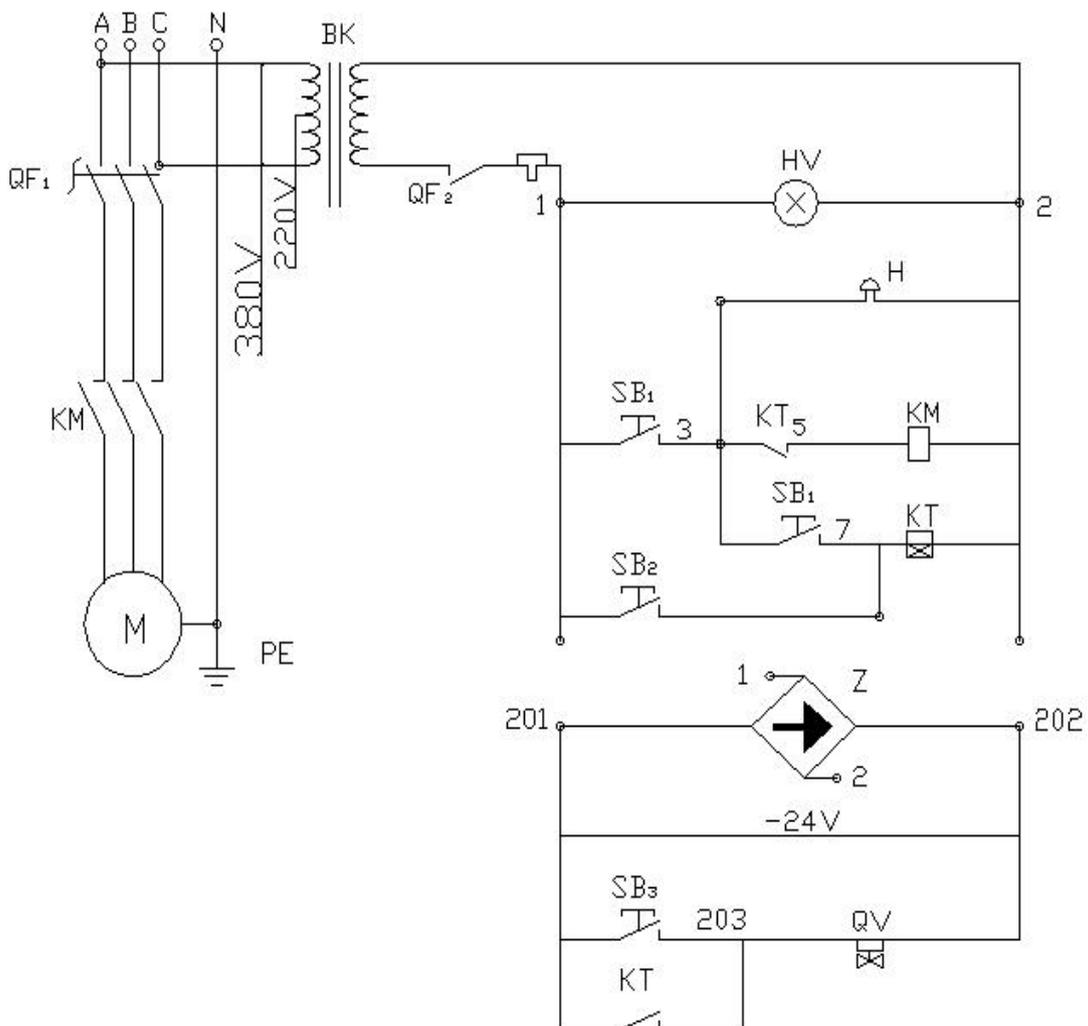
If the machine needs long-term preservation, pay attention to the followings:

- 8.1 Lower the platforms and nothing is allowed to put on the machine.
- 8.2 Cut off all the power supply.
- 8.3 Apply the machine oil on special parts
- 8.4 Protect the parts from dirt and dust.

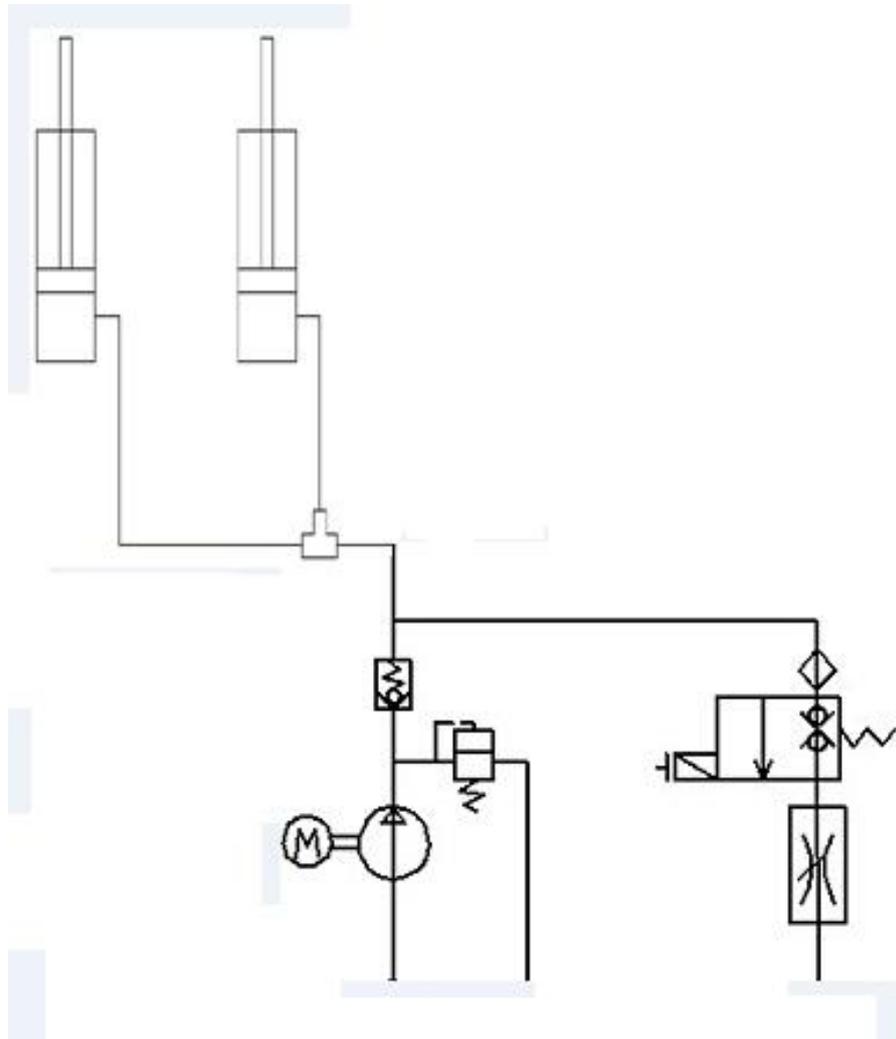
When re-use the lift after a long-term storage, must pay attention to the followings:

- 8.5 add hydraulic oil
- 8.6 connect electric circuit

9. Electric system



10. Hydraulic system



11. Explosive diagram

