FISSIC LIFT

Installation And Service Manual

Original



TWO-POST LIFT Model:CL4500XH

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I. PRODUCT FEATURES AND SPECIFICATIONS CLEAR FLOOR DIRECT-DRIVED MODEL FEATURES MODEL CL4500XH (See Fig.1)

- · Direct-driving design, minimize the lift wear parts and breakdown ratio.
- \cdot Dual hydraulic direct-drive cylinders, designed and made as US standard, utilizing imported oil seal in cylinder.
- Self-lubricating UHMW Polyethylene sliders and bronze bush.
- · Single-point safety release, and dual safety design.
- · Clear-floor design, provide unobstructed floor space.
- · Overhead safety shut-off device.
- With 4 three stages arms, make lifts easily find the lift point of the car.
- Stackable adapters 1.5", 2.5", 5" as standard.
- Two pieces columns design provide two installation height.



MODEL CL4500XH SPECIFICATIONS

| Model | Lifting Capacity | Lifting Height | Lifting Time | Overall Height | Overall Width | With Between Columns | Minimum Pad Height | Motor |
|--------------|---------------------|----------------|-----------------|----------------|------------------|----------------------------|-----------------------|-------|
| CL4500X H | 4500KG | 2000~2290mm | 64s | 4035/4313mm | 3666mm | 3000mm | 90mm | 3.0HP |

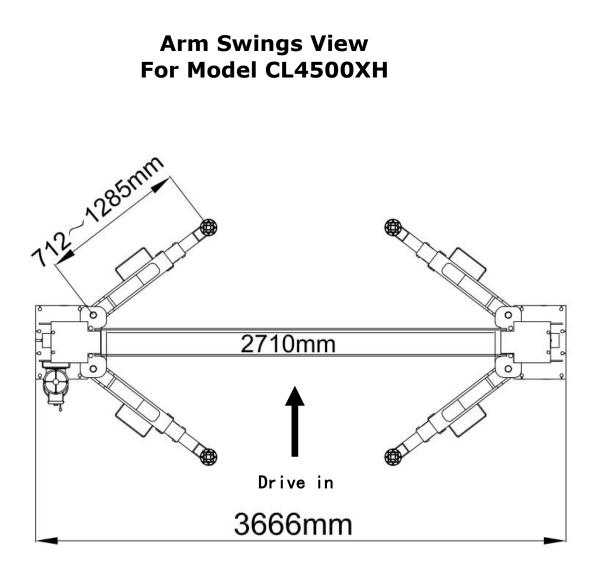


Fig. 2

II. INSTALLATION REQUIREMENT

A. TOOLS REQUIRED

✓ Rotary Hammer Drill (Φ19)



✓ Hammer



✓ Level Bar



✓ English Spanner (12")



✓ Ratchet Spanner With Socket (28[#])



B

Wrench set

(10[#], 13[#], 14[#], 15[#], 17[#], 19[#], 24[#], 27[#])



✓ Carpenter's Chalk



✓ Screw Sets



✓ Tape Measure (7.5m)



✓ Pliers



✓ Socket Head Wrench (3[#], 6[#])



➢ Lock Wrench



Fig. 3

B. Equipment storage and installation requirements.

The equipment should be stored or installed in a shady, normal temperature, ventilated and dry place.

C.The equipment should be unload and transfer by forklift.



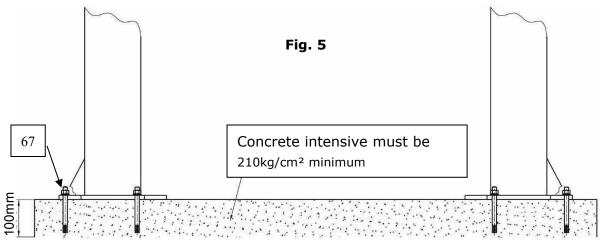




D. SPECIFICATIONS OF CONCRETE (See Fig. 10) Specifications of concrete must be adhered to the specification as following.

Failure to do so may result in lift and/or vehicle falling.

- 1. Concrete must be thickness 100mm minimum and without reinforcing steel bars, and must be dried completely before the installation.
- Concrete must be in good condition and must be of test strength 3,000psi (210kg/cm²) minimum.
- 3. Floors must be level without cracks.



E. POWER SUPPLY

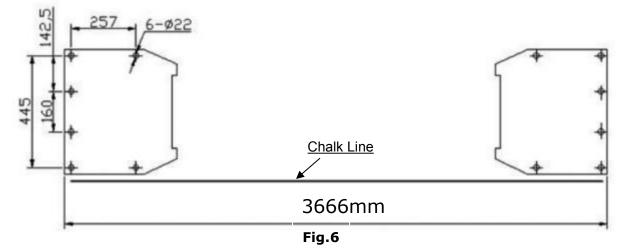
The electrical source must be 2.2KW minimum. The source cable size must be 2.5mm² and in good condition of contacting with floor.

III. STEPS OF INSTALLATION

A. Location of Installation

Check and insure the installation location (concrete, layout, space size etc.) is suitable for lift installation.

B. Use a carpenter's chalk line to establish installation layout of base plate (See Fig. 6).



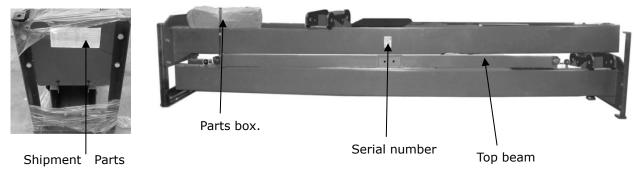
C. Check the parts before assembly

1. Packaged lift and hydraulic power unit (see Fig. 7)





2. Move the lift aside with a fork lift or hoist, and open the outer packing carefully , take off the parts from upper and inside the column, take out the parts box, check the parts according to the shipment parts list **(See Fig. 8)**.





- 3. Loose the screws of the upper package stand, take off the upper column and remove the package stand.
- Move aside the parts and check the parts according to the shipment parts list (See Fig. 9, 10).



5. Open the bag of parts and check the parts of the parts bag according to parts bag

list (See Fig. 11).



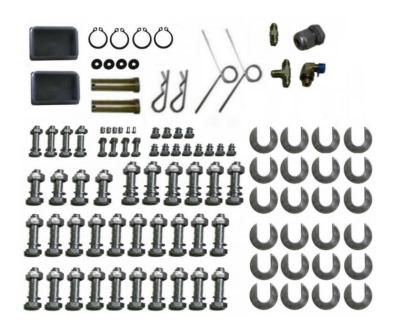


Fig. 11

D. Position power side column

Lay down two columns on the installation site parallel, position the power side column according to the actual installation site. Usually, it is suggested to install power-side column on the right side of vehicles enter direction. **(See Fig. 12).** This lift is designed with 2-section columns. Adjustable height according to the ceiling height and connecting the inner and extensions columns. Ceiling height over 4343mm, can be both low setting/high setting, Ceiling height between 4065-4343mm, only available low setting. Minimum ceiling height: 4065mm

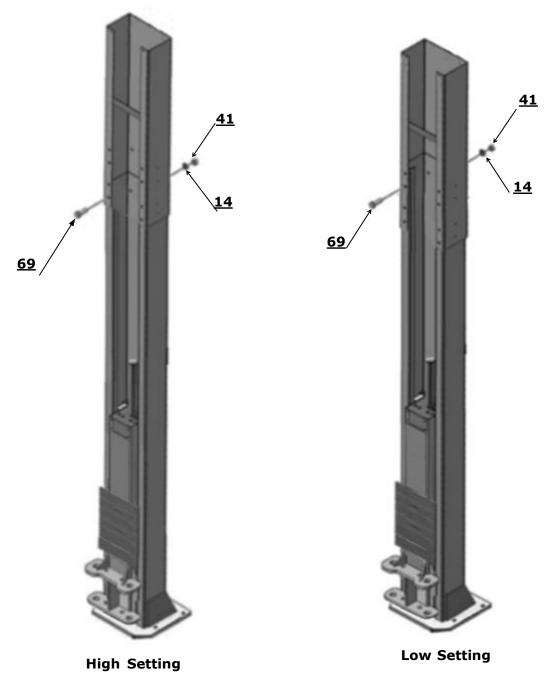
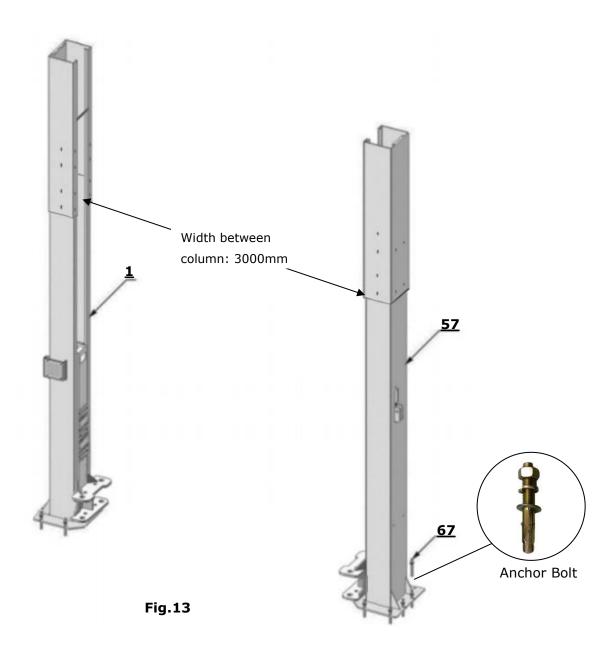


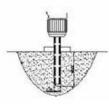
Fig. 12

E. Position columns

Place the columns on the installation layout of base plate. Install the anchor bolts. Do not tighten the anchor bolts **(See Fig.13)**.



Note: Minimum embedment of anchors is 90mm.



Drilling

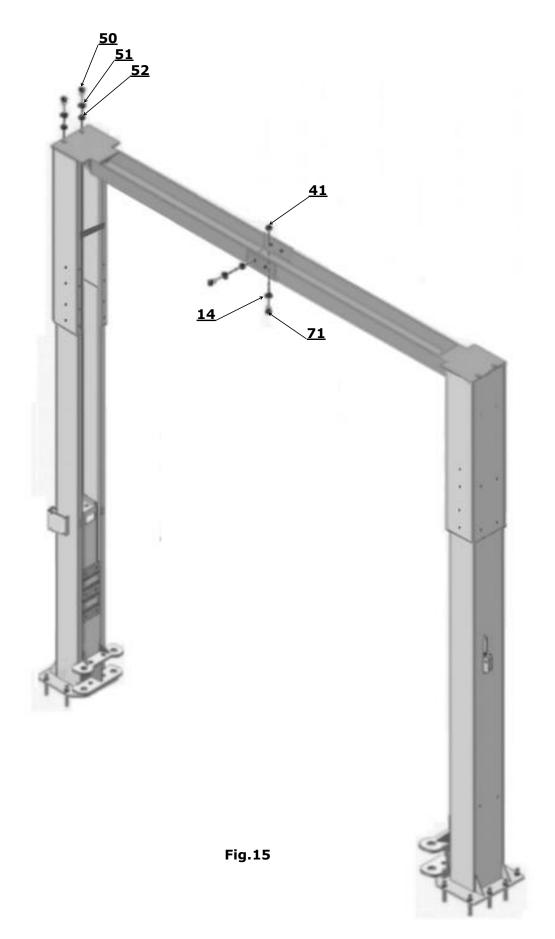


Bolting

Fig.14

Cleaning

F. Mounting the top beam . Fig.15



G. Check the vertical of the columns with level bar, and adjusting with the shims if the columns are not vertical. Tighten the anchor bolts (See Fig.16).

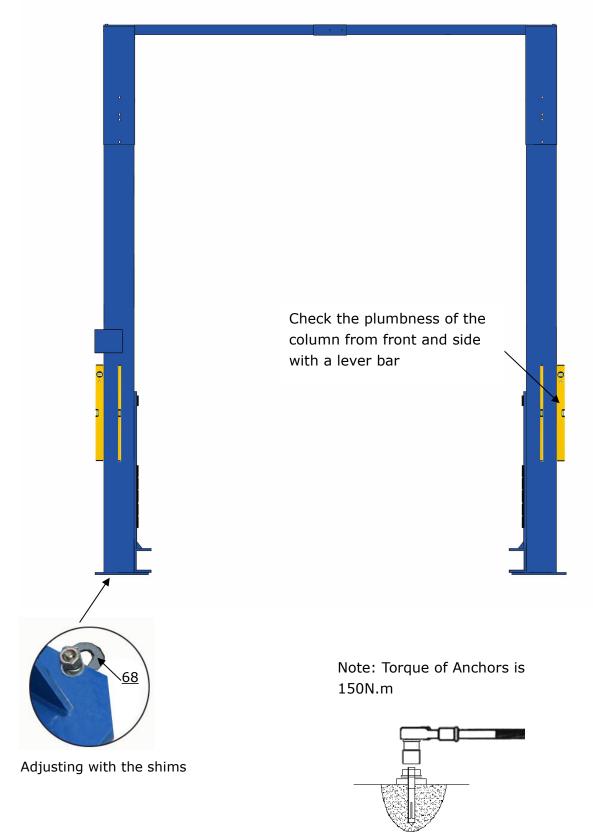
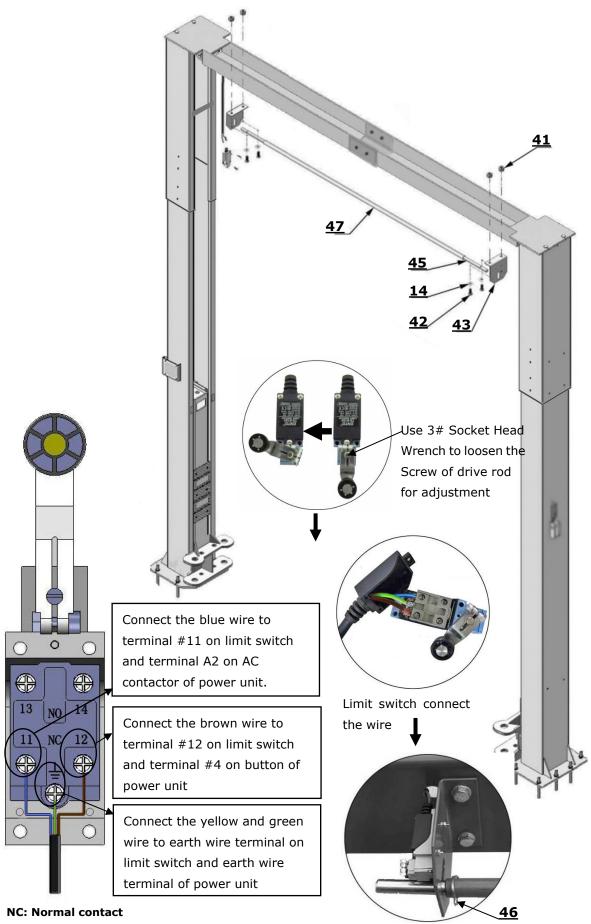


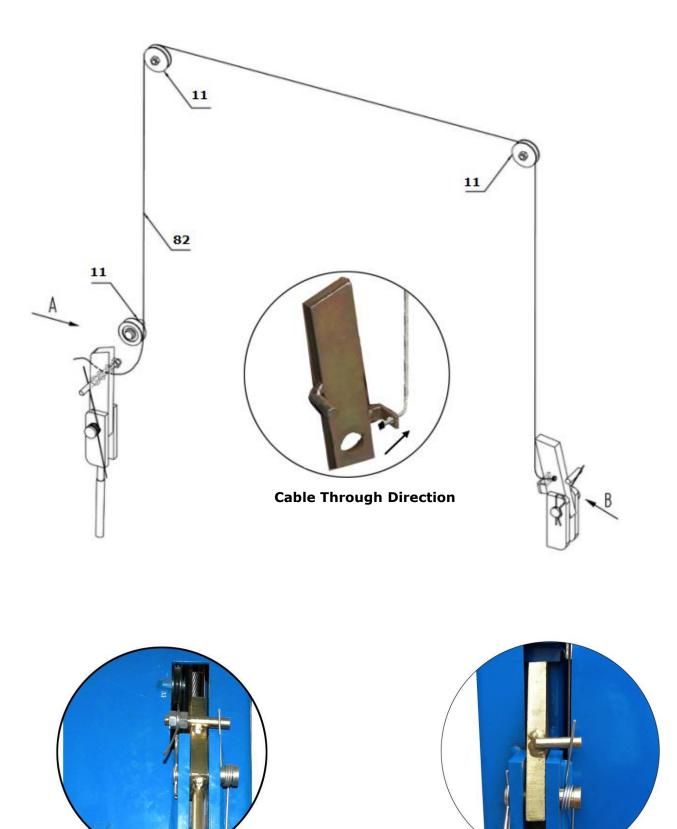
Fig. 16

H. Install the limit switch control bar and limit switch (See Fig. 17).





I. Install safety cable & Safety Device (See Fig. 18).



View B

Fig. 18

View A

J. Lift the carriages up by hand and make them be locked at the same level (See Fig. 19).

Note:Make Sure the carriages is locked by safety guard.

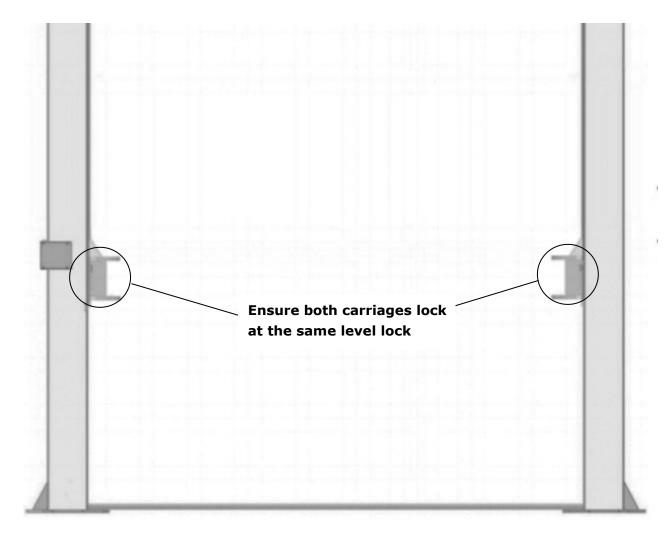
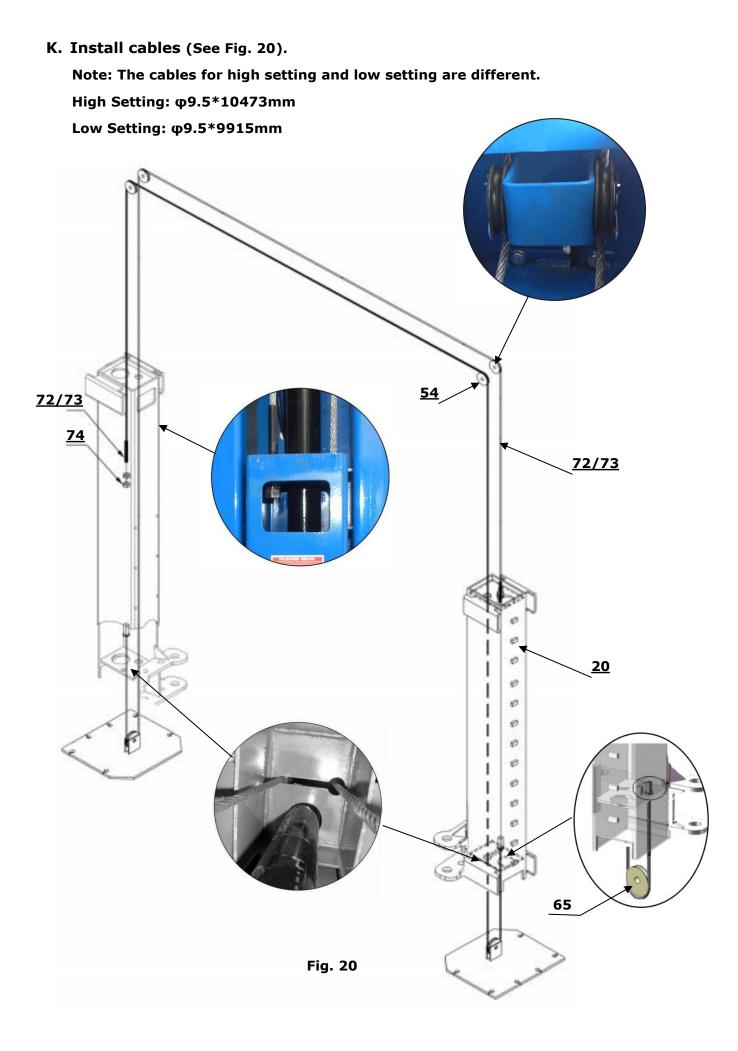


Fig. 19



L. Assembly oil hose, tighten all the fitting for oil hose. See fig.21 No.78 & 79 only for high setting

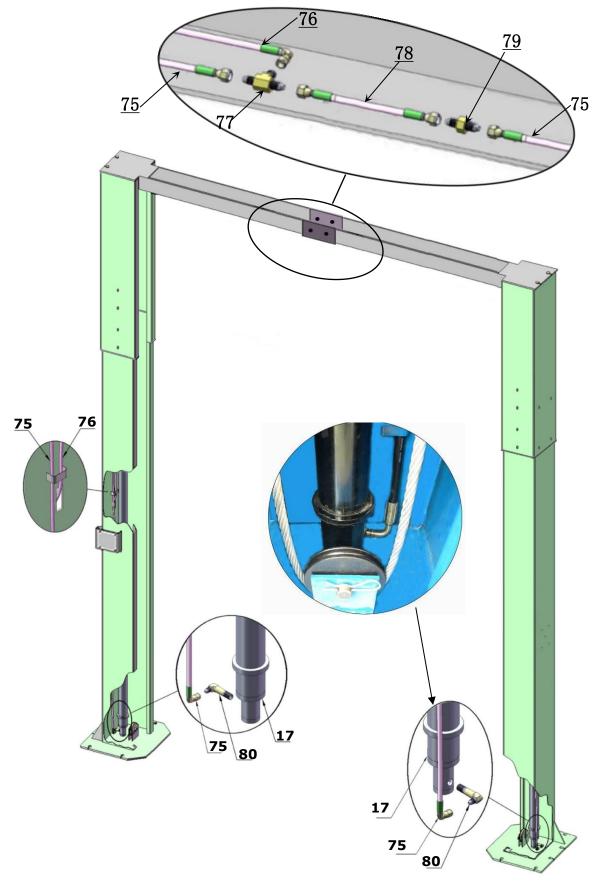
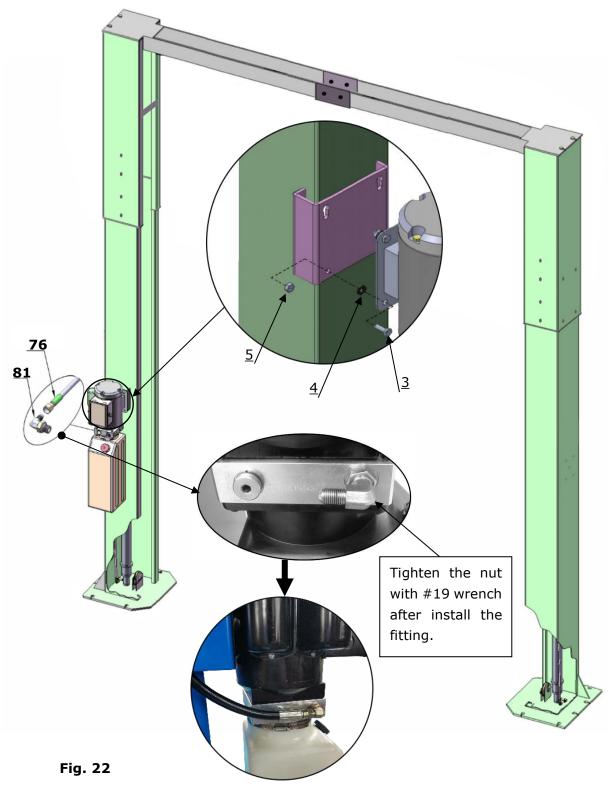


Fig. 21

M. Install power unit and oil hoses (See Fig. 22)

Pay attention to lock the fitting for hose and power unit to prevent oil leakage



N. Tighten all the hydraulic fittings, and fill the reservoir with hydraulic oil. Note: In consideration of Hydraulic Power Unit's durability and keep the equipment running in the perfect condition, please use Hydraulic Oil 46#.

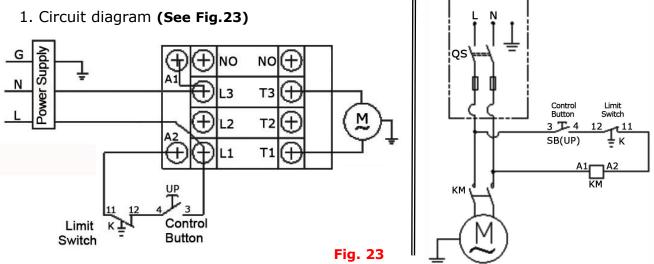
O. Install electrical system

Connect the power source on the data plate of power unit.

Note: 1. For safety of operators, the power wiring must contact the floor well.

2. Pay attention to the direction of rotations when using three phase motors.

Single phase motor.



2. Connection step

a. Connecting the two power supply wires (active wire **L** and neutral wire **N**) to terminals of AC contactor marked L1, L3 respectively.

b. Connecting the limit switch: Removing the wire of connecting terminal 4# of control button and A2 of AC contactor firstly (See Fig. 24), then connecting wire 12#(brown wire) of limit switch with terminal 4# of control button and connecting wire 11#(blue wire) with terminals A2 of AC contactor respectively. Connecting the earth wire of limit switch to the earth wire terminal on the motor. (See Fig.25).
c. Terminals 3# of control button is connected with L1 terminals of AC contactor.

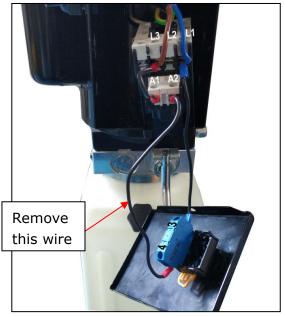
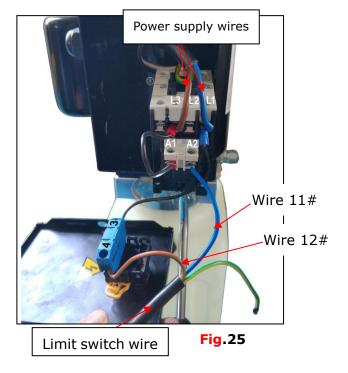
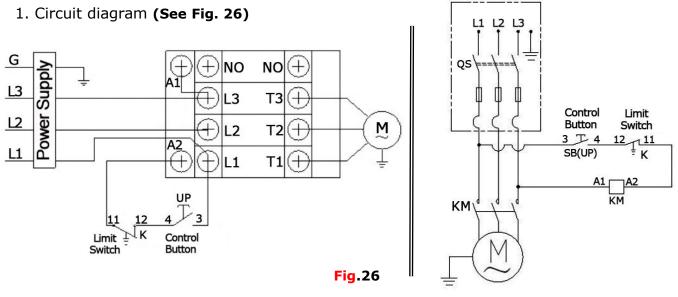


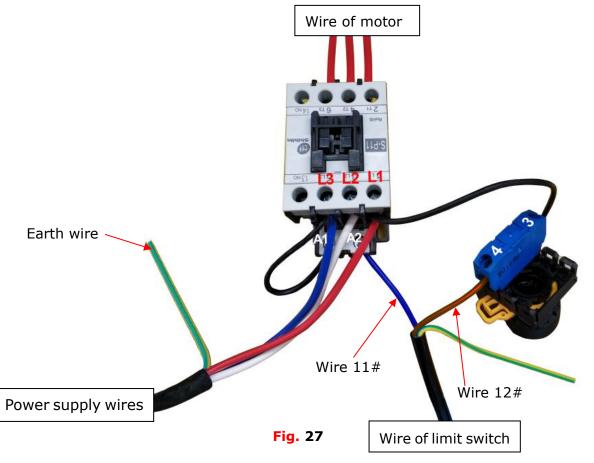
Fig. 24



Three phase motor

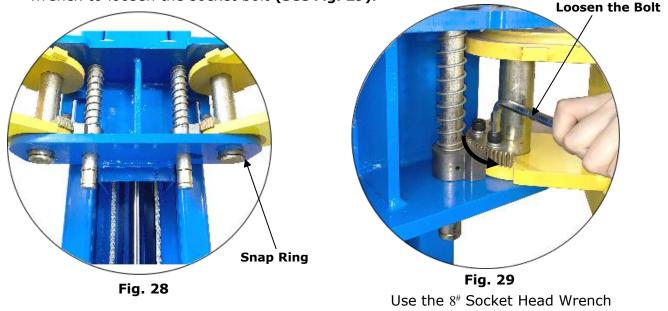


- 3. Connection step (See Fig.27)
 - a. The power supply wires(L1, L2, L3) are connected with terminals of AC contactor marked L1, L2, L3 respectively.
 - b. Terminals 4# of control button is connected with wire 12# (brown wire) of limit switch; wire 11#(blue wire) is connected with A2 terminal of AC contactor, Earth wire(yellow and green wire) of limit switch is connected with the earth wire terminal of the motor.
 - c. Terminals **3#** of control button is connected with **L1** terminals of AC contactor.



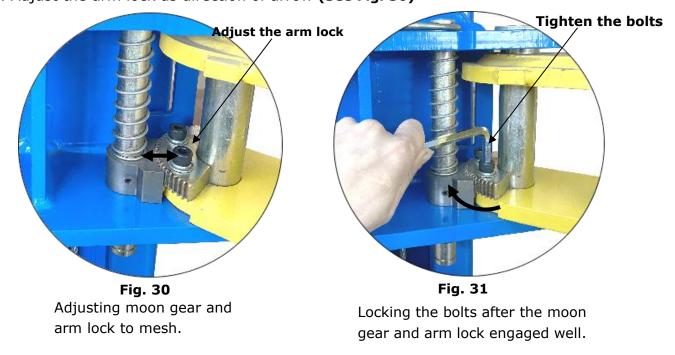
P. Install lifting arms and adjust the arm locks

- 1. Install the lifting arms (See Fig. 28).
- 2. Lowing the carriages down to the lowest position, then use the 8[#] socket head wrench to loosen the socket bolt (See Fig. 29).



to loosen the Socket Bolt.

3. Adjust the arm lock as direction of arrow (See Fig. 30)



4. Adjust moon gear and arm lock to make it to be meshed, then tighten the socket bolts of arm lock (See Fig.31).

IV. TEST RUN

1. Adjustment of synchronous cable (See Fig. 32)

Use wrench to hold the cable fitting, meanwhile using ratche spanner to tighten the cable nut until the two cables are in the same tension.

If the two vehicle carriages do not Synchronized when lifting and lowering, please screw and tighten the cable nut on the lower side carriage.

2. Adjust safety cable

Rise the vehicle carriages and lock them at the same height, strain the safety cable and then release a little, and then tighten the safety cable nuts. Make sure the safety device can always lock the carriages properly.

At last, install the plastic cover of the safety device.

3. Bleeding air from oil cylinder

This hydraulic system is designed with a bleeding plug, located

at the top of the cylinder, Raise the carriages to about 1 meter height **Fig. 33** and loose the bleeding plug, the air would be discharged automatically, then tighten The plug after bleeding air, the lift would work stably and smoothly, otherwise, repeat bleeding air.

4. Adjust the lowering speed

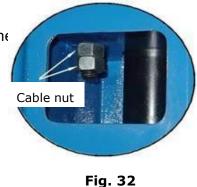
You can adjust the lowering speed of the lift if needing: screw the throttle valve clockwise to decrease the lowering speed, or counterclockwise to increase the lowering speed.



Throttle valve

Adjust clockwise, decrease lowering speed

Counterclockwise, increase lowering speed





Throttle valve

5. Test with load

After finishing the above adjustment, test the lift with load. Raise the lift in low position for several times firstly, make sure the lift can be raised and lowered synchronously, and the safety device can be locked and released synchronously. And then raise the lift to the top position completely. If there is anything improper, repeat the above adjustment.

NOTE: It may be vibrated when lifting at start, lifting it with load for several times, the air would be bled and the vibration would be disappeared automatically.

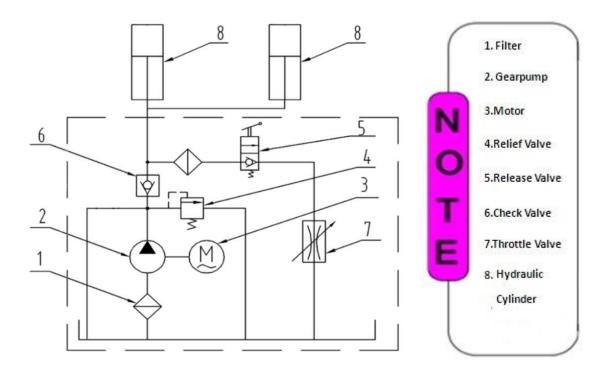


Fig. 35 Hydraulic System

V. OPERATION INSTRUCTIONS

Please read the safety tips carefully before operating the lift

To lift vehicle

- 1. Keep clean of site near the lift;
- 2. Position lift arms to the lowest position;
- 3. To shortest lift arms;
- 4. Open lift arms;
- 5. Position vehicle between columns;
- 6. Move arms to the vehicle's lifting point;

Note: The four lift arms must at the same time contact the vehicle's lifting point where manufacturers recommended

- Push button UP until the lift pads contact underside of vehicle totally. Recheck to make sure vehicle is secure;
- Continue to raise the lift slowly to the desired working height, ensuring the balance of vehicle;
- 9. Push lowering handle to lower lift onto the nearest safety. The vehicle is ready to repair.

To lower vehicle

- 1. Be sure clear of around and under the lift, only leaving operator in lift area;
- 2. Push button **UP** to raise the vehicle slightly, and then release the safety device, lower vehicle by pushing lowering handle.
- 3. Open the arms and position them to the shortest length;
- 4. Drive away the vehicle.

Note: In order to extend the service life of the cylinder and seals, raise the machine to top at least once a day

VI. MAINTENANCE SCHEDULE

Monthly:

- 1. Re-torque the anchor bolts to 150 Nm;
- 2. Check all connectors, bolts and pins to insure proper mounting;
- 3. Lubricate cable with lubricant;
- 4. Make a visual inspection of all hydraulic hoses/lines for possible wear or leakage;
- 5. Check safety device and make sure proper condition;
- 6. Lubricate all rollers and pins with 90wt. Gear oil or equivalent;

Note: All anchor bolts should take full torque. If any of the bolts does not function for any reason, DO NOT use the lift until the bolt has been replaced.

Every six months:

- 1. Make a visual inspection of all moving parts for possible wear, interference or damage.
- 2. Check and adjust as necessary, equalizer tension of the cables to insure level lifting.
- 3. Check the vertical of columns.
- 4. Check rubber pads and replace as necessary.
- 5. Check safety device and make sure proper condition.

Oil cylinder maintenance:

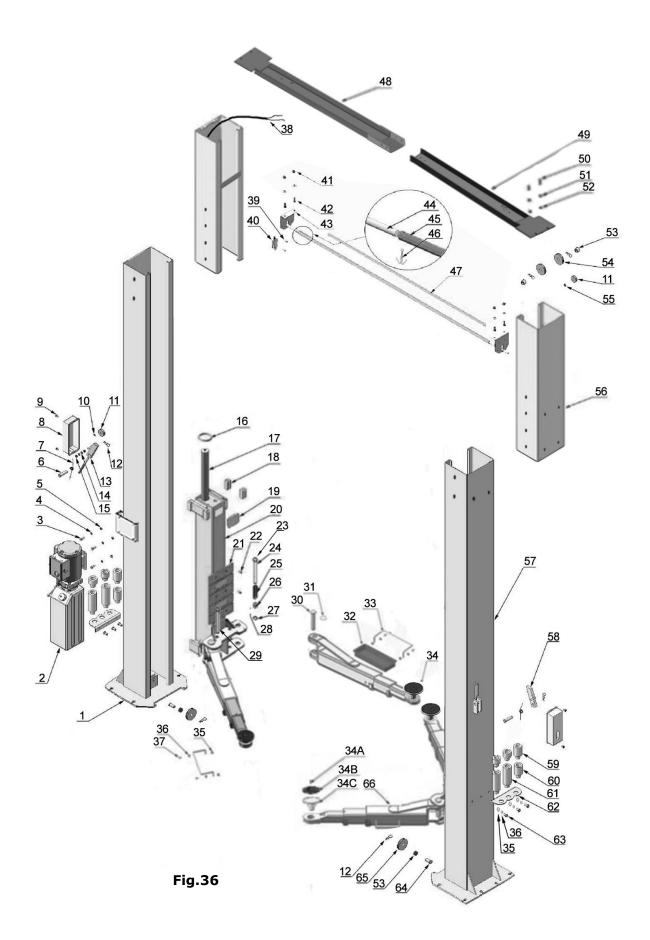
In order to extend the service life of the oil cylinder, please operate according to the following requirements.

- 1. Recommend to use N46 anti-wear hydraulic oil.
- 2. The hydraulic oil of the lifts should be replaced regularly during using. Replace the hydraulic oil 3 months after the first installation, Replace the hydraulic oil once a year afterwards.
- 3. Make at least one full trip raising and lowering per day. For exhausting the air from the system, which could effectively avoid the corrosion of the cylinder and damage to the seals caused by presence of air or water in the system.
- 4. Protect the outer surface of the oil cylinder's piston rod from bumping and scratching, and timely clean up the debris on the oil cylinder dust-ring and the piston rod.

VII.TROUBLE SHOOTING

| TROUBLE | CAUSE | REMEDY |
|--------------------|----------------------------------------|---------------------------------|
| | 1. Button does not work | 1. Replace button |
| | 2. Wiring connections are not in good | 2.Repair all wiring connections |
| Motor does not | condition | |
| run | 3. Motor burned out | 3. Repair or replace motor |
| | 4. Height Limit Switch is damaged | 4.Replace the Limit Switch |
| | 5. AC Contactor burned out | 5. Replace AC Contactor |
| | 1. Motor runs in reverse rotation | 1.Reverse two power wire |
| Motor runs but | 2. Gear Pump out of operation | 2.Repair or replace |
| the lift is not | 3. Release Valve in damage | 3. Repair or replace |
| raised | 4. Relief Valve or Check Valve in | 4.Repair or replace |
| | damage | |
| | 5. Low oil level | 5.Fill tank |
| Lift does not | 1. Release Valve out of work | |
| stay up | 2. Relief Valve or Check Valve leakage | Repair or replace |
| | 3. Cylinder or Fittings leaks | |
| | 1. Oil line is jammed | 1. Clean the oil line |
| Lift raises slowly | 2. Motor running on low voltage | 2. Check electrical system |
| | 3. Oil mixed with Air | 3. Fill tank |
| | 4. Gear Pump leaks | 4. Replace Pump |
| | 5. Overload lifting | 5. Check load |
| | 1. Safety device are locking | 1. Release the safeties |
| Lift cannot lower | 2. Release Valve in damage | 2. Repair or replace |
| | 3. Safety cable broken | 3. Replace |
| | 4. Oil system is jammed | 4. Clean the oil system |

VIII EXPLODED VIEW

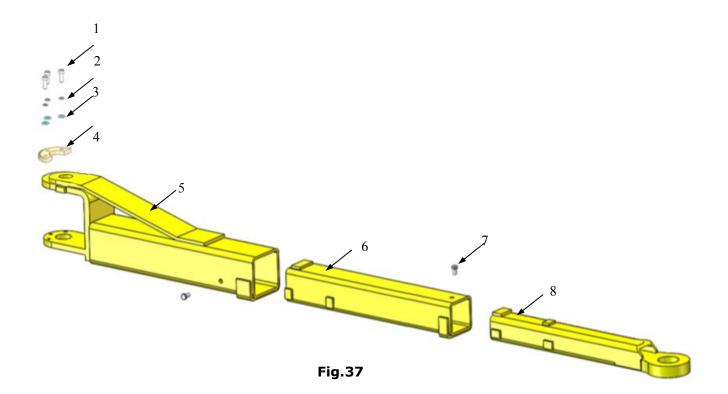


PARTS LIST

| Item | Part# | Description | Qty. |
|------|-------------|-----------------------------------|------|
| 1 | 1102681000A | Power Side Column | 1 |
| 2 | 81513001 | Power Unit 220V/50Hz Single Phase | 1/1 |
| 2 | 81513002 | Power Unit 380V/50Hz 3 Phase | 1/1 |
| 3 | 10209003 | Hex Bolt M8*25 | 4 |
| 4 | 10209004 | Rubber Ring φ8*20*3 | 4 |
| 5 | 10209005 | M8 Self Locking Nut | 4 |
| 6 | 11206002 | Pin for Safety Block | 2 |
| 7 | 10209007 | Snap Ring | 2 |
| 8 | 10209008 | Safety Device Cover | 2 |
| 9 | 10209009 | Cup Head Bolt M6*8 | 4 |
| 10 | 10209010 | φ10Snap Ring | 1 |
| 11 | 10209049 | Plastic Pulley (black) | 3 |
| 12 | 10209012 | φ3.2 Hair Pin | 8 |
| 13 | 11209013 | Power Side Safety Device | 1 |
| 14 | 10206006 | φ12Washer | 12 |
| 15 | 10206023A | Hex Nut M12 | 2 |
| 16 | 11209111 | Protective ring for cylinder | 2 |
| 17 | 10002576001 | Cylinder | 2 |
| 18 | 10209015 | Slider Block | 16 |
| 19 | 10209016 | Plastic Cover for Carriage | 2 |
| 20 | 11209208 | Carriage | 2 |
| 21 | 10209018 | Protective Rubber | 2 |
| 22 | 10209019 | Screw M6*16 | 12 |
| 23 | 10209153 | Pull tab for arm lock bar | 4 |
| 24 | 11217046A | Arm Lock Bar (Left) | 2 |
| 25 | 10217045 | Spring φ26*φ31*φ2.5 | 4 |
| 26 | 10217044-01 | Arm Lock | 4 |
| 27 | 10206032 | Snap Ring φ25 | 4 |
| 28 | 10206036 | Hair Pin φ6*40 | 4 |
| 29 | 11217046 | Arm Lock Bar (Right) | 2 |
| 30 | 11217168 | Arm Pin | 4 |
| 31 | 10520023 | Snap Ring φ38 | 4 |
| 32 | 10206190 | Tool Tray (Short) | 2 |
| 33 | 11206191 | Toe Guard | 4 |
| 34 | 11217114A | Rubber Pad Assy. | 4 |
| 34A | 10420138 | M6*16 Socket Bolt | 4 |
| 34B | 10209134 | Rubber Pad | 4 |
| 34C | 11680030B | Support Frame | 4 |
| 35 | 10209033 | φ8 Washer | 8 |
| 36 | 10209034 | φ8 Lock Washer | 8 |
| 37 | 10201002 | Hex Bolt M8*16 | 8 |
| 38 | 1002685011 | Wire 3*12*3350 | 1 |
| 39 | 10206011 | Cup Head Bolt M5*12 | 2 |
| 40 | 10206013 | Limit Switch | 1 |
| 41 | 10206023 | M12 Self Locking Nut | 10 |
| 42 | 10206041 | Hex Bolt M12*20 | 4 |
| 43 | 11206042 | Control Bar Bracket | 2 |

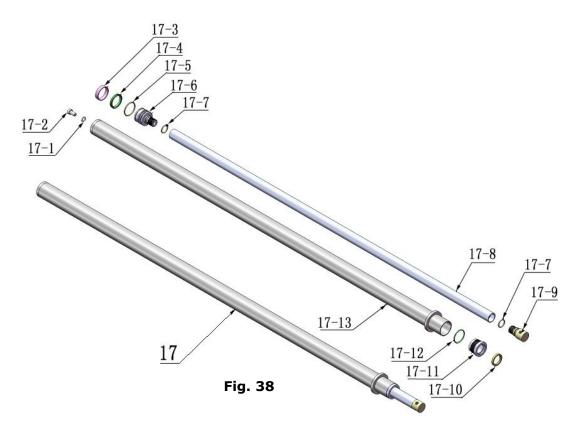
| 44 | 11206025C | Control Bar Connecting Pin | 2 |
|------|---------------|----------------------------------------|------|
| 45 | 11202011 | Control Bar | 1 |
| Item | Part# | Description | Qty. |
| 46 | 10201005 | Split Pin (q4*50) | 2 |
| 47 | 10206025A | Control Bar Foam Tube | 1 |
| 48 | 1102682001A | Top Beam (Power-side) | 1 |
| 49 | 1102682002A | Top Beam (Off-side) | 1 |
| 50 | 10209046 | Hex Bolt M10*35 | 4 |
| 51 | 10209039 | φ10 Lock Washer | 12 |
| 52 | 10209021 | Hex But M10 | 4 |
| 53 | 10209057A | Bronze Bush | 6 |
| 54 | 11206020 | Pulley | 4 |
| 55 | 10209056 | M10 Self Locking Nut | 2 |
| 56 | 1102681002A | Outer Column | 2 |
| 57 | 1102681000B | Off-Side Column | 1 |
| 58 | 11211013 | Off-Side Safety Device | 1 |
| 59 | 11209051B | Stackable Adapter (1.5") | 4 |
| 60 | 11209052B | Stackable Adapter (2.5") | 4 |
| 61 | 11209053B | Stackable Adapter (5.5") | 4 |
| 62 | 11209054A | Adapter Bracket. | 2 |
| 63 | 10680003 | Hex Bolt M8*12 | 4 |
| 64 | 11209044 | Pulley Pin | 2 |
| 65 | 11209045 | Pulley | 2 |
| 66 | 10203156 | Front Arm Assy. | 4 |
| 67 | 10209059 | Anchor Bolts | 12 |
| 68 | 10201090 | Shim (1mm) | 12 |
| 00 | 10620065 | Shim (2mm) | 12 |
| 69 | 10206024 | Hex Bolt M12*25 | 20 |
| 70 | 10209502B | Parts Box | 1 |
| 71 | 10217069 | Hex Bolt M12*30 | 6 |
| 72 | 1002695009 | Cable Φ9.52×10473mm(High setting) | 2 |
| 73 | 1002695005 | Cable Φ9.52×9915mm(Low setting) | 2 |
| 74 | 10209066 | Hex Nut M16 | 8 |
| 75 | 1002695004-01 | Oil Hose 1/4*5598mm | 2 |
| 76 | 1002695003-01 | Oil Hose 1/4*4548mm | 1 |
| 77 | 10211016 | T Fitting | 1 |
| 78 | 1002571009-01 | Oil Hose 1/4*550mm | 1 |
| 79 | 10620079 | Straight Fitting | 1 |
| 80 | 10211017 | 90 ⁰ Fitting for cylinder | 2 |
| 81 | 10209060 | 90 ⁰ Fitting for Power Unit | 1 |
| 82 | 1002685001 | Safety Cable Φ2.5*8500mm | 1 |
| 83 | 10209502B | Parts Box | 1 |

1. Lifting arm assy. (10203156) explosive view



| Item | Part# | Description | Qty. |
|------|----------|---------------|------|
| 1 | 10206048 | Socket bolt | 12 |
| 2 | 10209039 | Lock Washer | 12 |
| 3 | 10209022 | Washer | 12 |
| 4 | 11206049 | Moon gear | 4 |
| 5 | 11203146 | Outer arm | 4 |
| 6 | 11203147 | Middle arm | 4 |
| 7 | 10201149 | Cup head bolt | 8 |
| 8 | 11203148 | Inner arm | 4 |

2. Cylinders (1002576001) explosive view



Part list for cylinder

| | | | 1 |
|-------|------------|--------------------|------|
| Item | Part# | Description | Qty. |
| 17-1 | 10209069 | O ring | 2 |
| 17-2 | 10209070 | Bleeding Plug | 2 |
| 17-3 | 10209071 | Support Ring | 2 |
| 17-4 | 10209072 | Y ring | 2 |
| 17-5 | 10209073 | O ring | 2 |
| 17-6 | 11209074 | Piston | 2 |
| 17-7 | 10209075 | O Ring | 4 |
| 17-8 | 1102576002 | Piston rod | 2 |
| 17-9 | 11209077 | Piston Rod Fitting | 2 |
| 17-10 | 10209078 | Dust wing | 2 |
| 17-11 | 11209079 | cover | 2 |
| 17-12 | 10209080 | O ring | 2 |
| 17-13 | 1102576003 | Bore Weldment | 2 |

3. POWER UNIT (81513001/81513002) explosive view

_1 _5 _7 2000 00 m # \$ 9 9 K _13 _13

220V/50HZ/Single Phase

380V/50HZ/3Phase

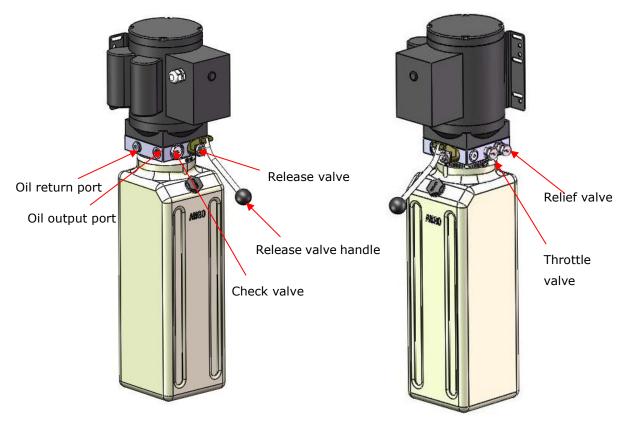
Fig. 39

| Parts for Manual Power Unit 220V/50Hz/Single phase | | | | | | |
|----------------------------------------------------|----------|--------------------|------|------|--|--|
| Item | Part# | Description | Qty. | Note | | |
| 1 | 81400180 | Rubber pad | 2 | | | |
| 2 | 81400250 | Starting capacitor | 1 | | | |
| 3 | 81400200 | Running capacitor | 1 | | | |
| 4 | 10420148 | Screw with washer | 6 | | | |
| 5 | 81400066 | Capacitor cover | 2 | | | |
| 6 | 81400363 | Motor connector | 1 | | | |
| 7 | 80101013 | Manifold block | 1 | | | |
| 8 | 10209149 | Washer | 4 | | | |
| 9 | 81400276 | Plug | 1 | | | |
| 10 | 81400259 | Red plug | 1 | | | |
| 11 | 85090142 | Hex bolt | 4 | | | |
| 12 | 81400280 | Gear pump | 1 | | | |
| 13 | 10209034 | washer | 2 | | | |
| 14 | 81400295 | Hex nut | 2 | | | |
| 5 | 81400365 | O-ring | 1 | | | |
| 16 | 10209152 | Таре | 1 | | | |
| 17 | 85090167 | Magnet | 1 | | | |
| 18 | 81400290 | Filter | 1 | | | |
| 19 | 81400413 | Motor | 1 | | | |
| 20 | 10420070 | Button switch | 1 | | | |
| 21 | 41030055 | AC contractor | 1 | | | |
| 22 | 81400287 | Motor box cover | 1 | | | |
| 23 | 71111170 | AMGO label | 1 | | | |
| 24 | 81400560 | Throttle valve | 1 | | | |
| 25 | 81400266 | Relief valve | 1 | | | |
| 26 | 81400284 | Plug | 1 | | | |
| 27 | 10720118 | Elastic pin | 1 | | | |
| 28 | 81400451 | Release handle | 1 | | | |
| 29 | 10209020 | Plastic ball | 1 | | | |
| 30 | 81400421 | Release valve nut | 1 | | | |
| 31 | 81400422 | Release handle | 1 | | | |
| 32 | 81400449 | valve seat(short) | 1 | | | |
| 33 | 81400567 | Release valve | 1 | | | |
| 34 | 81400566 | Check washer | 1 | | | |
| 35 | 81400288 | Oil suction hose | 1 | | | |
| 36 | 81400289 | Oil return hose | 1 | | | |
| 37 | 81400364 | Hose clamp | 1 | | | |
| 38 | 81400263 | Oil tank cap | 1 | | | |
| 39 | 81400275 | Oil tank | 1 | | | |

PARTS LIST FOR MANUAL POWER UNIT

| Parts for | Manual Po | wer Unit 380V/50Hz/3 phase | | |
|-----------|-----------|-----------------------------|---|--|
| 1 | 71150055 | AMGO Name plate | 1 | |
| 2 | 81400300 | Cup Head Bolt | 2 | |
| 3 | 81400363 | Motor Connecting Shaft | 1 | |
| 4 | 81400362 | Manifold block | 1 | |
| 5 | 10209149 | Washer | 4 | |
| 6 | 81400276 | Iron plug | 1 | |
| 7 | 81400259 | Red rubber plug | 1 | |
| 8 | 85090142 | Hex bolt | 4 | |
| 9 | 81400292 | Gear pump | 1 | |
| 10 | 81400288 | Oil pipe | 1 | |
| 11 | 10209034 | Lock Washer | 2 | |
| 12 | 81400295 | Socket bolt | 2 | |
| 13 | 81400365 | O ring | 1 | |
| 14 | 10209152 | Ties | 1 | |
| 5 | 85090167 | Magnet | 1 | |
| 16 | 81400290 | Filter | 1 | |
| 17 | 81400439 | Motor | 1 | |
| 18 | 81400348 | AC connector | 1 | |
| 19 | 10420148 | Cup head screw | 2 | |
| 20 | 80101022 | Cover of Motor Terminal Box | 1 | |
| 21 | 10420070 | Switch | 1 | |
| 22 | 81400560 | Throttle valve | 1 | |
| 23 | 81400266 | Relief valve | 1 | |
| 24 | 81400284 | Plug | 1 | |
| 25 | 81400452 | Elastic pin | 1 | |
| 26 | 81400451 | Release handle | 1 | |
| 27 | 10209020 | Plastic ball | 1 | |
| 28 | 81400421 | Release valve nut | 1 | |
| 29 | 81400422 | Self-locking shim | 1 | |
| 30 | 81400449 | Valve seat(short) | 1 | |
| 31 | 81400567 | release valve | 1 | |
| 32 | 81400566 | Check valve | 1 | |
| 33 | 81400289 | Oil return pipe | 1 | |
| 34 | 81400364 | Pipe ring | 1 | |
| 35 | 81400263 | Oil tank cap | 1 | |
| 36 | 81400275 | Oil tank | 1 | |

Illustration of hydraulic valve for hydraulic power unit





IX. Lift Disposal

When the car lift cannot meet the requirements for normal use and needs to be disposed, it should follow local laws and regulations.

FLASSIF LIFT

Service manual No.: 72221002 Revise Date: 2021.11